

# Parts Manual



See "General Information"  
for New Parts Manual  
Features.

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## D8R Track-Type Tractor

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9EM1-Up (Machine)  
41Z1-Up (Engine)  
8YX1-Up (Transmission)  
3MP1-Up (Bulldozer)  
4ZP1-99999 (Bulldozer)  
9TP1-Up (Bulldozer)  
BHE1-Up (Bulldozer)  
BHR1-Up (Bulldozer)  
BHW1-Up (Bulldozer)  
CXB1-Up (Bulldozer)  
CXL1-Up (Bulldozer)  
9EH1-99999 (Ripper)  
9FH1-99999 (Ripper)  
CXA1-Up (Ripper)  
CXW1-Up (Ripper)  
95T9500-Up (Torque Converter)  
TCD1-Up (Torque Converter)

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Powered By 3406 Engine

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# Product and Dealer Information

Note: For product identification plate locations, see the section "Product Identification Information" in the Operation and Maintenance Manual.

**Delivery Date:** \_\_\_\_\_

## Product Information

Model: \_\_\_\_\_

Product Identification Number: \_\_\_\_\_

Engine Serial Number: \_\_\_\_\_

Transmission Serial Number: \_\_\_\_\_

Generator Serial Number: \_\_\_\_\_

Attachment Serial Numbers: \_\_\_\_\_

Attachment Information: \_\_\_\_\_

Customer Equipment Number: \_\_\_\_\_

Dealer Equipment Number: \_\_\_\_\_

## Dealer Information

Name: \_\_\_\_\_ Branch: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

### Dealer Contact

### Phone Number

### Hours

Sales: \_\_\_\_\_

Parts: \_\_\_\_\_

Service: \_\_\_\_\_

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# GENERAL INFORMATION

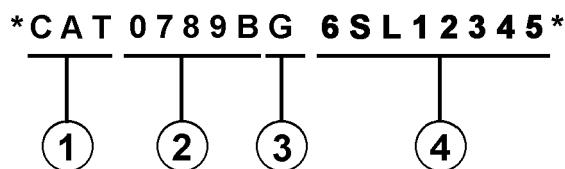
## 1. MACHINE IDENTIFICATION

Caterpillar machines are identified by Product Identification Numbers (PIN). Some components included in a machine may be identified by Serial Numbers (S/N). Typical components that will be serialized include engines, transmissions, bulldozers, and rippers. The machine and engine are further identified by arrangement numbers and in some cases modification numbers. These numbers are shown on the product identification plate(s) and on the master plate in the operator's compartment.

Caterpillar dealers need all of these numbers to determine accurate parts identification.



Effective First Quarter 2001 the Caterpillar Product Identification Number (PIN) will change from 8 to 17 characters. In an effort to provide uniform equipment identification, Caterpillar and other construction equipment manufacturers are moving to comply with the latest version of the product identification numbering standard. Non-road machine PINs are defined by ISO 10261. The new PIN format will apply to all Caterpillar machines and generator sets. The PIN plates and frame marking will display the 17 character PIN. The new format will look like the following:



Where:

1. Caterpillar's World Manufacturing Code (characters 1-3)
2. Machine Descriptor (characters 4-8)
3. Check Character (character 9)
4. Machine Indicator Section (MIS) or Product Sequence Number (characters 10-17). These were previously referred to as the Serial Number.

Machines and generator sets produced before First Quarter 2001 will maintain their 8 character PIN format.

Components such as engines, transmissions, axles, etc. and work tools will continue to use an 8 character Serial Number (S/N).

## 2. ORDERING PARTS



**When replacement parts are required for this product Caterpillar recommends using Caterpillar replacement parts or parts with equivalent specifications including, but not limited to, physical dimensions, type, strength and material.**

**Failure to heed this warning can lead to premature failures, product damage, personal injury or death.**

Quality Caterpillar replacement parts are available from Caterpillar dealers throughout the world. Their parts inventories are up to date and include all parts normally required to protect your investment in Caterpillar machines. Dealers may offer repair kits or remanufactured parts to allow selection of the most effective repair alternative for a particular situation. When ordering parts, your order should specify the quantity, part number, part name, and the serial number/product identification number of the machine for which the parts are needed.

## 3. PARTS MANUAL ORGANIZATION

Product information in this manual is presented as "information elements" that represent all of the components for the specific model. Engine Arrangement and Seat Group are examples of information elements. The information elements are organized alphabetically by part name and secondarily by part number within each major section of the manual.

## 4. TABLE OF CONTENTS



A table of contents (TOC) is found at the beginning of the manual. The TOC lists each section of the manual with a complete list of all information elements organized as they appear in the manual. Page numbers are provided for quick reference to detailed parts identification illustrations and serviceable component lists.

## 5. MAINTENANCE PARTS INDEX

The Maintenance Parts Index, located near the beginning of the manual, references most frequently used maintenance part numbers, providing description, quantity, usage and page number. This information is organized alphabetically by part description.

# GENERAL INFORMATION

## 6. INDEX

The index located near the front of the manual is an alphabetical listing of all information elements included in the manual. Page numbers are provided for quick reference to detailed parts identification illustrations and serviceable consist lists.

## 7. PART NUMBER INDEX

A numerical index listing all part numbers and the corresponding page number(s) appears at the back of the manual.

## 8. CAPTIONS

Captions located at the top of each page of an information element identify the part number and part name along with additional descriptive information. PIN and S/N information found in each caption should be used to select correct information for a specific machine. Field replacement options, identification of optional attachment components, and where used ("part of") information is also provided.

### SIS New Feature

The first line of a caption is shown in larger type font to indicate the beginning of an information element. Captions for additional pages that may be required to illustrate an information element will be shown in standard type font and will include the term (*contd.*) .

## 9. NON-SERVICED PARTS

### SIS New Feature

In some instances it is necessary to display non-serviced parts that are a link to a lower level serviceable consist lists. These non-serviced part numbers are shown in *italic* type indicating that they are not available.

## 10. PARTS LIST REFERENCE NUMBERS

### SIS New Feature

Numbers shown in the Ref No column correspond to numbers used in the associated graphic(s). An alphabetic suffix may be added to a reference number to identify lower level consist items. Numbers shown in the Graphic Ref column refer to the graphic number identifier displayed in the lower left corner of each illustration. The Graphic Ref number may be used in combination with the item Ref No to determine the correct part number. There may be intentional omission of a Ref No in a consist list as information is updated to reflect the latest serviceable part numbers.

## 11. INDENTED PART NAMES

When a part name is indented in a parts list, it is part of (included in) the group or assembly under which it is indented.

## 12. ILLUSTRATION REFERENCE LETTERS

When necessary, illustrations contain reference letters (A, B, C etc.) that are intended to track lines and harnesses from one point to another. They are also used to show where to reconnect illustrations that have been separated.

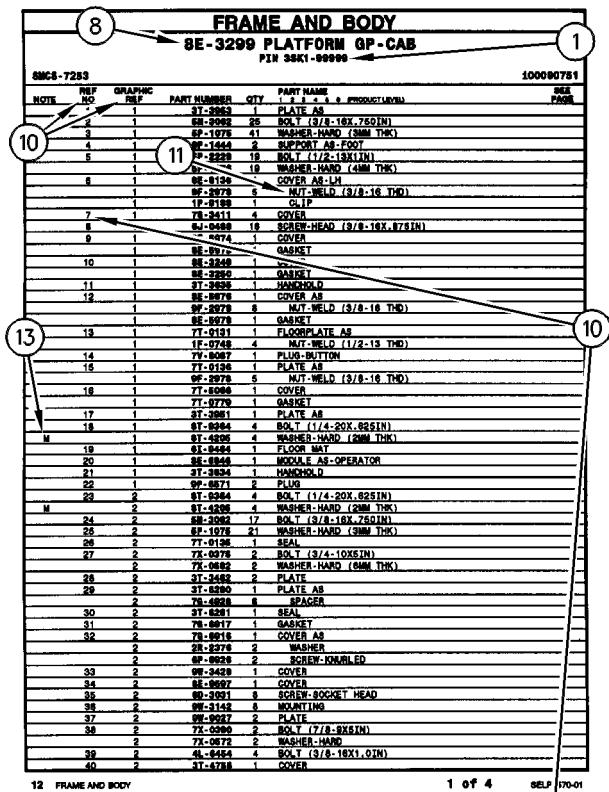
## 13. ABBREVIATIONS AND SYMBOLS

- O.D. – Outside Diameter
- I.D. – Inside Diameter
- A – Not Part Of This Group
- B – Use As Required
- C – Change From Previous Type
- D – Order By The Meter
- E – Order By The Centimeter
- F – Not Shown
- G – Order By The Inch
- I – See Hose Fabrication Guide
- M – Metric Part
- R – Remfg Part May Be Available
- Y – Separate Illustration
- Z – Not Serviced Separately

## NOTE:

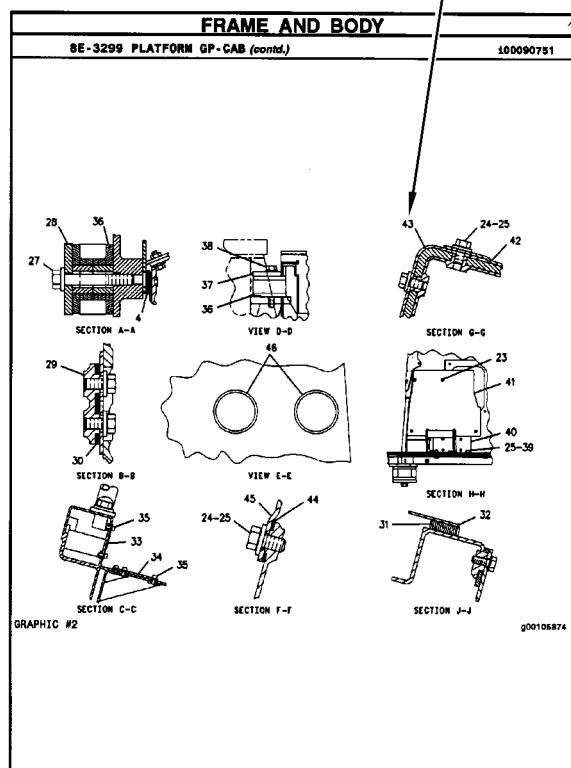
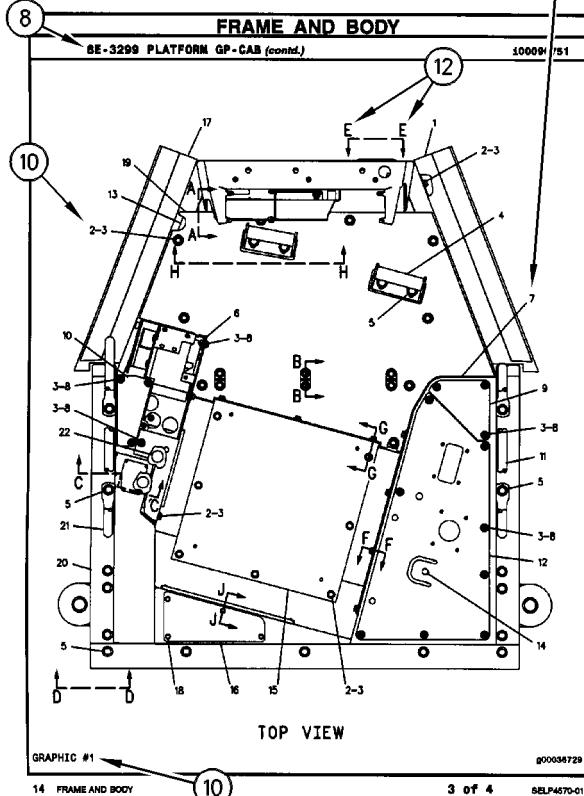
Continuing improvement and advancement of product design may cause changes to your machine which may not be included in this publication. Whenever a question arises regarding your Caterpillar product or this publication, please consult your Caterpillar dealer for the latest available information.

## **GENERAL INFORMATION**



FRAME AND BODY					
8E-3298 PLATFORM GP-CAB (cont'd.)					100090781
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME
41	2		8E-2818	1	COVER
42	2		42-2132	1	SHROUD
43	2		77-8719	1	GASKET
44	2		78-8724	1	GASKET
45	2		78-8723	1	COVER
46	2		8Y-1989	2	PLUG-BUTTON

M-METRIC PART



# REPAIR ALTERNATIVES

## REMANUFACTURED COMPONENTS

As an option when making repairs consider Caterpillar Remanufactured Components. Components that are available through the Caterpillar Remanufactured Program are identified three ways in the parts book:

- with the letter R in the note field of the parts list
- with an R\* at the beginning of the first line of the caption
- with an \*R at the end of the first line of the caption

Typical components included in the Remanufacturing Program include:

ALTERNATORS  
CONNECTING RODS  
CRANKSHAFTS - UNDERSIZE  
CRANKSHAFTS - UPGRADE TO NEW  
CYLINDER HEADS  
ELECTRONIC CONTROL MODULES (ECM)  
ELECTRONIC SENSORS  
FUEL INJECTORS  
FUEL NOZZLES  
FUEL PUMPS  
GOVERNORS  
OIL PUMPS  
PISTONS  
SHORT BLOCKS  
STARTERS  
TURBOCHARGERS - COMPLETE  
TURBOCHARGER CARTRIDGES  
WATER PUMPS

Caterpillar Remanufactured engines for many engine arrangements are also available.

# MAINTENANCE PARTS



DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
<b>AIR INLET AND EXHAUST SYSTEM</b>				
ELEMENT-FILTER	7M-1674	1	LINES GP-AIR	199
FILTER ELEMENT AS-AIR	6I-2505	1	AIR CLEANER GP	182
	6I-2506	1	AIR CLEANER GP	182
FILTER ELEMENT AS-PRIMARY AIR	6I-2505	1	AIR CLEANER GP	178
FILTER ELEMENT AS-SEC AIR	6I-2506	1	AIR CLEANER GP	178
GASKET	2N-8204	6	AFTERCOOLER GP	176
INDICATOR-AIR FILTER SERVICE	8N-2694	1	AIR CLEANER GP	180
		1	AIR CLEANER GP	184
		1	INDICATOR AR-AIR CLEANER	192
		1	INDICATOR AR-AIR CLEANER	194
<b>BASIC ENGINE</b>				
FITTING-GREASE	3B-8485	1	BELT TIGHTENER GP	22
		1	DRIVE GP-FAN	66
		1	DRIVE GP-FAN	68
FITTING-GREASE (1/8-27 THD)	3B-8489	1	BELT TIGHTENER GP	20
GASKET	4N-1151	2	PAN GP-OIL	86
KIT-ROD BEARING (INCL 6 STANDARD SIZE BEARINGS)	117-5973	1	PISTON & ROD GP	88
PLUG-DRAIN	5F-0304	1	HOUSING GP-FLYWHEEL	76
PLUG-O-RING (7/16-20 THD)	9S-4190	2	CYLINDER BLOCK GP	40
		2	CYLINDER BLOCK GP	52
PLUG-OIL DRAIN	4P-0513	1	PAN GP-OIL	84
V-BELT-BANDED	9Q-3668	1	DRIVE GP-FAN	66
	9Q-3670	1	DRIVE GP-FAN	68
V-BELT SET (INCLUDES 3 BELTS)	118-2018	1	DRIVE GP-FAN	66
	129-2416	1	DRIVE GP-FAN	68
<b>COOLING SYSTEM</b>				
CAP	111-7421	2	TANK GP-WATER	174
CAP AS-RADIATOR	031-1119	1	TANK GP-COOLANT	170
		1	TANK GP-COOLANT	171
CAP-DUST	6V-0852	1	LINES GP-WATER	150
CIRCUIT BREAKER AS (15 AMP)	6T-3643	1	FAN AR-VARIABLE	130
		1	FAN AR-VARIABLE	134
FILTER	4N-1400	1	PUMP GP-WATER	158
FILTER-WATER PUMP	136-3742	1	PUMP GP-WATER	157
		1	PUMP GP-WATER	160
FITTING-GREASE	3B-8485	1	FAN AR-VARIABLE	130
		1	FAN AR-VARIABLE	134
FUSE (1/4 AMP)	137-2082	1	FAN AR-VARIABLE	131
		1	FAN AR-VARIABLE	135
FUSE (15 AMP)	8M-8948	1	FAN AR-VARIABLE	131
		1	FAN AR-VARIABLE	135
PLUG-DRAIN	8M-1869	1	LINES GP-WATER	150
REGULATOR-WATER TEMPERATURE (92 DEG C.)	4W-4794	1	LINES GP-WATER	146
		1	LINES GP-WATER	152
V-BELT	129-5119	1	FAN AR-VARIABLE	130
		1	FAN AR-VARIABLE	134

# MAINTENANCE PARTS

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DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
<b>ELECTRICAL AND STARTING SYSTEM</b>				
BATTERY (MAINTENANCE FREE) (12 VOLT)	3T-5760	4	BATTERY & WIRING GP	340
BATTERY-MAINTENANCE FREE (12 VOLT)(750 AMP)	3T-5760	4	BATTERY & WIRING GP	324
BATTERY-MAINTENANCE FREE (12V)(750 AMP)	3T-5760	4	BATTERY & WIRING GP	308
		4	BATTERY & WIRING GP	316
BATTERY (12 VOLT)(750 AMP)	3T-5760	4	BATTERY & WIRING GP	332
BATTERY (750 AMP)(12 VOLT)	3T-5760	4	BATTERY & WIRING GP	348
CAP-FUSE HOLDER	7N-2867	1	BATTERY & WIRING GP	311
		1	BATTERY & WIRING GP	319
CIRCUIT BREAKER (60 AMP)	6T-3645	1	BATTERY & WIRING GP	335
CIRCUIT BREAKER (60 AMP) (60 AMP)	6T-3645	1	BATTERY & WIRING GP	327
CYLINDER AS (ETHER)	7N-0296	1	STARTING AID GP-ETHER	404
ELEMENT AS-JACKET WATER HEATER	6T-3764	1	HEATER GP-JACKET WATER	364
	9G-6655	1	HEATER GP-JACKET WATER	363
FUSE (10 AMP)	3K-8782	6	BATTERY & WIRING GP	311
		6	BATTERY & WIRING GP	319
		6	BATTERY & WIRING GP	327
		6	BATTERY & WIRING GP	335
		6	BATTERY & WIRING GP	343
		6	BATTERY & WIRING GP	351
FUSE (15 AMP)	8M-8948	3	BATTERY & WIRING GP	311
		3	BATTERY & WIRING GP	319
		3	BATTERY & WIRING GP	327
		3	BATTERY & WIRING GP	335
		3	BATTERY & WIRING GP	343
		3	BATTERY & WIRING GP	351
		1	LIGHTING AR	374
FUSE (20 AMP)	8M-0456	1	LIGHTING AR	376
		1	LIGHTING AR	378
KEY	5P-8500	1	BATTERY BOX GP	358
	8H-5306	1	SWITCH GP-DISCONNECT	418
KNOB-HORN	7T-9515	1	BATTERY & WIRING GP	325
		1	BATTERY & WIRING GP	333
LAMP	9X-3463	1	LAMP GP-FLOOD	369
LAMP (24 VOLTS)(65 WATTS)	9X-3463	1	LAMP GP-FLOOD	370
LAMP (24 VOLT)(65 WATT)	9X-3463	1	LAMP GP-FLOOD	367
		1	LAMP GP-FLOOD	368
		1	LAMP GP-FLOOD	371
LAMP (24 VOLT)(65 WATT) (FLOOD)	9X-3463	1	LAMP GP-FLOOD	372
LAMP (28 VOLT)	7N-9943	1	LAMP GP-DOME	366
LENS AS-FLOOD	107-5853	1	LAMP GP-FLOOD	367
		1	LAMP GP-FLOOD	368
LENS AS-FLOODLAMP	158-0248	1	LAMP GP-FLOOD	371
		1	LAMP GP-FLOOD	372
LENS-DOME LAMP	7T-0020	1	LAMP GP-DOME	366
PADLOCK GP	5P-8502	2	BATTERY BOX GP	358

# MAINTENANCE PARTS

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DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
<b>FRAME AND BODY</b>				
CAP	2B-0176	2	GUARD GP-RADIATOR	612
CAP-PUSH ON	6P-2216	53	LINER GP-SOUND SUPPRESSION	620
CIRCUIT BREAKER AS (15 AMP)	6T-3643	1	GUARD AR-BOTTOM	584
KEY	5P-8500	1	ENCLOSURE GP-ENGINE	557
		1	ENCLOSURE GP-ENGINE	561
		1	ENCLOSURE GP-ENGINE	565
		1	ENCLOSURE GP-ENGINE	569
		2	ENCLOSURE GP-HYDRAULIC TANK	572
PADLOCK GP	5P-8502	2	ENCLOSURE GP-ENGINE	557
		2	ENCLOSURE GP-ENGINE	561
		2	ENCLOSURE GP-ENGINE	565
		2	ENCLOSURE GP-ENGINE	569
		1	ENCLOSURE GP-HYDRAULIC TANK	572
SLEEVE	8Y-6364	1	GUARD GP-RADIATOR	612
		1	ENCLOSURE GP-HYDRAULIC TANK	572
<b>FUEL SYSTEM</b>				
CAP AS-FUEL TANK	7X-7700	1	TANK GP-FUEL	280
		1	TANK GP-FUEL	282
		1	TANK GP-FUEL	286
CAP AS-FUEL TANK FILLER	101-8909	1	ADAPTER GP-FAST FILL FUEL	224
CAP-DUST	9D-0630	1	ADAPTER GP-FAST FILL FUEL	226
COVER-DUST	9D-0630	1	ADAPTER GP-FAST FILL FUEL	224
ELEMENT AS-FUEL FILTER (PRIMARY)	9M-2341	1	PUMP GP-FUEL PRM & PRIM FILTER	272
FILTER AS-FUEL	1R-0749	1	FILTER GP-FUEL	237
FILTER AS (WATER SEPARATOR & FUEL)	1R-0769	1	FILTER GP-WATER SEP & FUEL	238
GASKET (FUEL PRIMING PUMP)	1P-0436	1	FILTER GP-WATER SEP & FUEL	240
		1	LINES GP-FUEL FILTER	254
		1	PUMP GP-FUEL PRIMING	271
GASKET (PRIM FUEL FILT)	8H-2778	1	PUMP GP-FUEL PRM & PRIM FILTER	272
KEY	5P-8500	1	LINES GP-FUEL	248
		1	TANK GP-FUEL	280
		1	TANK GP-FUEL	282
KIT-CAP FILTER	9X-2205	1	TANK GP-FUEL	280
PADLOCK GP	5P-8502	1	LINES GP-FUEL	248
		1	LINES GP-FUEL	250
		1	TANK GP-FUEL	280
		1	TANK GP-FUEL	282
		1	TANK GP-FUEL	284
SCREEN AS	8N-6680	1	PUMP GP-GOV & FUEL INJ	278
SCREEN-SUMP (FUEL TANK)	5G-4109	1	LINES GP-FUEL	250
SEAL-O-RING (110.49MM ID)	9X-8600	1	ADAPTER GP-FAST FILL FUEL	224
		1	TANK GP-FUEL	280
SLEEVE	8Y-6364	1	LINES GP-FUEL	248
STRAINER-FUEL	9P-7121	1	TANK GP-FUEL	284
STRAINER-FUEL TANK	9P-7121	1	TANK GP-FUEL	280
		1	TANK GP-FUEL	282
<b>HYDRAULIC SYSTEM</b>				
CAP-DUST	6V-0852	1	FILTER GP-OIL	782
		1	FILTER GP-OIL	783
		2	LINES GP-PUMP	801

# MAINTENANCE PARTS

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DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
CAP-FILLER	7H-1447	1	TANK & FILTER GP-HYDRAULIC	854
CAP-FILLER (HYDRAULIC)	7H-1447	1	TANK & FILTER GP-HYDRAULIC	859
ELEMENT AS-HYDRAULIC (DISPOSABLE)	1R-0735	1	TANK & FILTER GP-HYDRAULIC	854
ELEMENT AS-HYDRAULIC FILTER (REVERSE FLOW) (HIGHER PERFORMANCE)	139-1537	1	TANK & FILTER GP-HYDRAULIC	854
ELEMENT AS-HYDRAULIC (HYDRAULIC-DISPOSABLE)	1R-0735	1	TANK & FILTER GP-HYDRAULIC	850
ELEMENT-FILTER (FIRE RESISTANT FLUID)	104-6931	1	TANK & FILTER GP-HYDRAULIC	854
ELEMENT-FILTER (HYD.-FIRE RESISTANT FLUID)	104-6931	1	TANK & FILTER GP-HYDRAULIC	850
ELEMENT-FILTER (HYRAULIC OIL)	4T-3131	1	FILTER GP-OIL	782
FILTER ELEMENT AS-OIL (HYDRAULIC)	132-8875	1	FILTER GP-OIL	783
FILTER ELEMENT AS-OIL (HYDRAULIC) (HIGHER PERFORMANCE)	139-1537	1	TANK & FILTER GP-HYDRAULIC	858
FILTER ELEMENT AS-OIL (HYDRAULIC/REVERSE FLOW) (DISPOSABLE)	1R-0735	1	TANK & FILTER GP-HYDRAULIC	858
FILTER ELEMENT AS-OIL (REVERSE FLOW) (FIRE RESISTANT FLUID)	104-6931	1	TANK & FILTER GP-HYDRAULIC	858
FILTER ELEMENT-HYDRAULIC (HIGHER PERFORMANCE)	139-1537	1	TANK & FILTER GP-HYDRAULIC	850
FITTING-GREASE	3B-8489	2	CYLINDER GP-RIPPER LIFT	766
		2	CYLINDER GP-RIPPER LIFT	768
		2	CYLINDER GP-RIPPER TILT	772
		2	CYLINDER GP-RIPPER TILT	776
		1	CYLINDER GP-TILT	780
FITTING-GREASE (1/8-27 THD)	3B-8489	2	CYLINDER GP-RIPPER LIFT	764
		2	CYLINDER GP-RIPPER TILT	774
GASKET	9H-6454	1	TANK & FILTER GP-HYDRAULIC	859
KEY	5P-8500	1	LINES GP-PUMP	801
PADLOCK GP	5P-8502	1	LINES GP-PUMP	801
		1	LINES GP-PUMP	805
PLUG-DRAIN	9J-7031	1	LINES GP-PUMP	809
		1	TANK & FILTER GP-HYDRAULIC	854
		1	TANK & FILTER GP-HYDRAULIC	858
SCREEN	6E-1752	1	TANK & FILTER GP-HYDRAULIC	854
		1	TANK & FILTER GP-HYDRAULIC	858
SEAL-O-RING (123.19MM ID)	2S-8439	1	FILTER GP-OIL	782
STRAINER AS	5D-7927	1	TANK & FILTER GP-HYDRAULIC	854
		1	TANK & FILTER GP-HYDRAULIC	858
STRAINER AS (HYDRUALIC TANK FILL)	5D-7927	1	TANK & FILTER GP-HYDRAULIC	850

# MAINTENANCE PARTS

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DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
<b>IMPLEMENT</b>				
FITTING	3B-8489	4	FRAME GP-RIPPER	910
FITTING-GREASE	3B-8489	2	BRACE GP-BULLDOZER	892
		4	FRAME GP-RIPPER	914
		4	FRAME GP-RIPPER	916
FITTING-GREASE (1/8-27 THD)	3B-8489	4	FRAME GP-RIPPER	912
		2	MOUNTING GP-CYLINDER	925
<b>LUBRICATION SYSTEM</b>				
BREATHER AS (CRANKCASE)	4N-4668	1	BREATHER GP	100
CAP AS (1-3/16-12 THD)	6V-9832	1	OIL CHANGE GP-HIGH SPEED	114
CAP-DUST	6V-0852	1	FILTER GP-ENGINE OIL	104
	8C-3445	1	FILTER GP-ENGINE OIL	104
CAP-FILLER	6G-9333	1	FILLER GP-ENGINE OIL	103
CAP-OIL FILLER	6G-9333	1	FILLER GP-ENGINE OIL	102
FILTER AS-ENGINE OIL	1R-0716	1	FILTER GP-ENGINE OIL	104
HOSE (76 CM)	5P-1255		FUMES DISPOSAL GP	107
HOSE (9 CM)	5P-1255		FUMES DISPOSAL GP	107
<b>MACHINE ARRANGEMENT</b>				
V-BELT	9Q-3668	1	WASTE HANDLING AR	6

# MAINTENANCE PARTS

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DESCRIPTION	PART NUMBER	QTY	WHERE USED	
<b>OPERATOR STATION</b>				
BLADE AS-WIPER (DOORS)	6V-5849	2	WIPER GP-WINDOW	1198
BLADE AS-WIPER (FRONT & REAR)	6V-5851	2	WIPER GP-WINDOW	1202
BLADE AS-WIPER (FRONT WINDOW)	6V-5851	1	WIPER GP-WINDOW	1198
BLADE AS-WIPER (REAR WINDOW)	6V-5853	1	WIPER GP-WINDOW	1198
BLADE AS-WIPER (RH & LH DOORS)	6V-5849	2	WIPER GP-WINDOW	1202
CAP-AIR CONDITIONER VALVE	2L-1224	1	CONDENSER GP-REFRIGERANT	1022
CAP-AIR CONDITIONER VALVE (7/16 X 20 THD)	2L-1224	1	CONDENSER GP-REFRIGERANT	1024
CAP-SEAL (AIR CONDITIONER)(HIGH SIDE)	3E-4052	1	LINES GP-AIR CONDITIONER	1068
CAP-SEAL (AIR CONDITIONER)(LOW SIDE)	3E-4051	1	LINES GP-AIR CONDITIONER	1073
CAP-VENTED	8E-8292	1	TANK GP-WINDOW WASHER	1166
CIRCUIT BREAKER AS (15 AMP)	6T-3643	1	TANK GP-WINDOW WASHER	1168
CIRCUIT BREAKER AS (15 AMP)	6T-3643	1	CONDENSER & MOUNTING GP	1015
CIRCUIT BREAKER AS (20 AMP)	3T-8728	1	CONDENSER & MOUNTING GP	1073
CIRCUIT BREAKER GP (20 AMP)	6T-3644	1	PRESSURIZER GP-CAB	1116
FILTER-AIR (CAB FRESH AIR)	6T-0988	1	PRESSURIZER GP-CAB	1120
FILTER AS (CAB REC AIR)	6T-5068	1	PRESSURIZER GP-CAB	1116
FILTER AS (CAB REC AIR)	6T-5068	1	PRESSURIZER GP-CAB	1120
FILTER (CAB FRESH AIR)	6T-0988	1	PRESSURIZER GP-CAB	1116
KEY	5P-8500	1	GUARD GP-VANDALISM	1030
LAMP	7N-9943	1	LINER GP-CAB	1054
LAMP AS (DASH PANEL)	7G-9730	2	INSTRUMENT GP	1046
LAMP (28 VOLT)	7N-9967	2	INSTRUMENT GP	1046
	7X-2058	4	INSTRUMENT GP	1050
	7X-2058	4	INSTRUMENT GP	1047
LAMP (28 VOLT) (FAULT LIGHT)	7N-1996	1	INSTRUMENT GP	1051
LAMP (28 VOLT) (FAULT LIGHT)	7N-1996	1	INSTRUMENT GP	1046
LENS-RED	6T-7058	1	INSTRUMENT GP	1050
PADLOCK GP	5P-8502	1	INSTRUMENT GP	1046
SEAT BELT GP (RETRACTABLE)	122-4617	1	GUARD GP-VANDALISM	1030
SEAT BELT GP (RETRACTABLE)	122-4617	1	SEAT GP-SUSPENSION	1153
SLEEVE	8Y-6364	1	SEAT GP-SUSPENSION	1156
SLEEVE-CABLE SPLICE	5P-7958	1	GUARD GP-VANDALISM	1138
V-BELT	2S-9506	1	SEAT GP	1008
V-BELT (AIR CONDITIONING)	2S-9506	1	COMPRESSOR GP-REFRIGERANT	1010
			COMPRESSOR GP-REFRIGERANT	

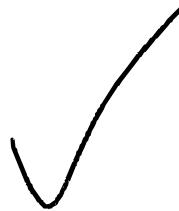
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<b>POWER TRAIN</b>				
BREATHER (PRESSURE RELIEF)	9G-5127	1	LINES GP-POWER TRAIN OIL	470
		1	LINES GP-POWER TRAIN OIL	476
		1	LINES GP-POWER TRAIN OIL	483
CAP AS-FILLER	6N-2985	1	LINES GP-POWER TRAIN OIL	471
		1	LINES GP-POWER TRAIN OIL	476
		1	LINES GP-POWER TRAIN OIL	483
CAP-DUST	6V-0852	2	CASE & PARTS GP-PLANETARY	438
		2	CASE & PARTS GP-PLANETARY	440
		1	FILTER GP-OIL	447
		1	LINES GP-POWER TRAIN OIL	477
		1	LINES GP-POWER TRAIN OIL	483
	8C-3447	1	LINES GP-POWER TRAIN OIL	470
		1	LINES GP-POWER TRAIN OIL	476
		2	LINES GP-POWER TRAIN OIL	482
FILTER ELEMENT AS-HYDRAULIC (DISPOSABLE)	1R-0741	1	FILTER GP-OIL	447
FILTER ELEMENT AS-HYDRAULIC (FIRE RESISTANT FLUID)	4T-3132	1	FILTER GP-OIL	447
FILTER ELEMENT AS-HYDRAULIC (HIGH PERFORMANCE)	132-8876	1	FILTER GP-OIL	447
PLUG-DRAIN	4B-7739	1	TORQUE CONVERTER GP	516
SCREEN AS	3T-6471	1	LINES GP-POWER TRAIN OIL	483
	9P-0214	1	LINES GP-POWER TRAIN OIL	482
SCREEN-SUCTION	8S-9130	1	CASE & PARTS GP-PLANETARY	438
		1	CASE & PARTS GP-PLANETARY	440
<b>STEERING AND BRAKING SYSTEM</b>				
CAP AS	6V-9829	2	LINES GP-STEERING	717
CAP AS (11/16-16 THD)	6V-9829	2	LINES GP-STEERING	720
CAP-DUST	6V-0852	7	LINES GP-STEERING	717
		7	LINES GP-STEERING	720
		1	VALVE GP-BRAKE CONTROL	726
		1	VALVE GP-BRAKE CONTROL	728
		1	VALVE GP-MAKEUP & PRIORITY	736
<b>UNDERCARRIAGE</b>				
BREATHER	9G-5127	1	LUBRICATION GP-PIVOT SHAFT	678
CAP AS-OIL LEVEL	8E-3410	1	LUBRICATION GP-PIVOT SHAFT	678
FITTING-GREASE	3B-8489	2	EQUALIZER BAR GP	640
PLUG-DRAIN	4T-2069	6	FRAME GP-TELESCOPING RECOIL	648
		6	FRAME GP-TELESCOPING RECOIL	652
		6	FRAME GP-TELESCOPING RECOIL	657
		6	FRAME GP-TELESCOPING RECOIL	660
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CAP AS-FUEL TANK FILLER .....	224	CASE & FRAME GP .....	538
CAP AS-OIL LEVEL .....	678		542
CAP AS-RADIATOR .....	170	CASE & PARTS GP-PLANETARY .....	438
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CAP AS (1-3/16-12 THD) .....	114	CIRCUIT BREAKER AS (15 AMP) .....	130
CAP AS (11/16-16 THD) .....	720		134
CAP-DUST .....	104		584
	150		1015
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	476	CIRCUIT BREAKER GP (20 AMP) .....	1120
	477	CIRCUIT BREAKER (60 AMP) .....	335
	482	CIRCUIT BREAKER (60 AMP) (60 AMP) .....	327
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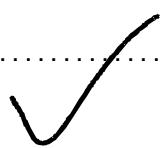


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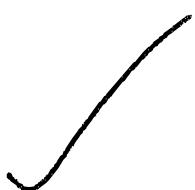
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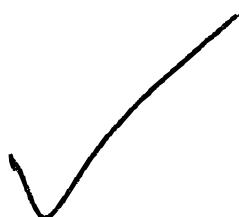
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# MACHINE ARRANGEMENT

**102-4373 COLD WEATHER AR**

S/N: 9EM1-UP

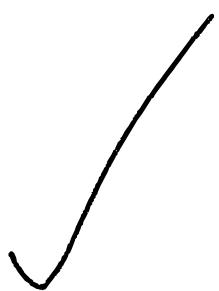
AN ATTACHMENT

SMCS-7000

i01541356

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	107-9357	2	IDLER GP-TRACK (ARTIC)						671
Y	107-9358	2	IDLER GP-TRACK (ARTIC)						672
Y	197-7638	8	ROLLER GP-TRACK-DOUBLE FLANGE						683
Y	197-7637	8	ROLLER GP-TRACK-SINGLE FLANGE						687

Y-SEPARATE ILLUSTRATION



# MACHINE ARRANGEMENT

**1Z-0846 GAUGE AR**

S/N: 9EM1-UP

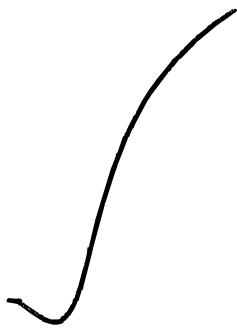
AN ATTACHMENT

SMCS-7000

i01323234

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	1Q-3494	1	CASE & FRAME GP						538
Y	1Q-3054	2	FINAL DRIVE GP						448
Y	129-1330	1	GAUGE AR						3

Y-SEPARATE ILLUSTRATION



# MACHINE ARRANGEMENT

**129 - 1330 GAUGE AR**

S/N: 9EM1-UP

LGP

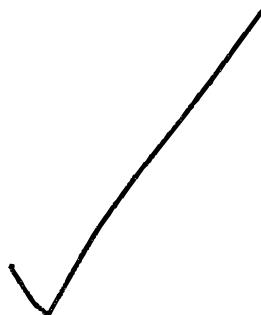
**PART OF 1Z-0846 GAUGE AR  
AN ATTACHMENT**

**SMCS-7000**

**i01323267**

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	1Q-3056	1	AXLE GP-POWER TRAIN						425
	1Q-3136	1	EQUALIZER BAR AS						
	117-4013	2	BEARING-SELF ALIGNING						
	130-3139	2	BEARING-SLEEVE						
	5L-4751	4	RING-RETAINING						
	7G-8664	1	SEAL (80.46MM ID)						
	7G-8666	1	SEAL (79.87MM ID)						
	1Q-3039	2	RETAINER AS						
	7T-1153	1	PLATE						
	7T-1151	1	SEAL						
	9X-7505	4	SEAL AS						
	1Q-3042	1	SHAFT-PIVOT						

Y - SEPARATE ILLUSTRATION



# MACHINE ARRANGEMENT

## 116-1301 WASTE HANDLING AR

S/N: 9EM1-UP

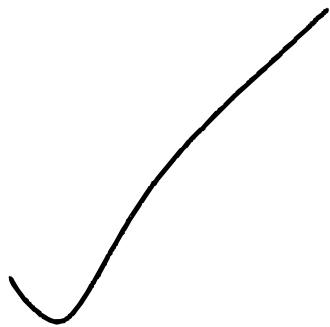
AN ATTACHMENT

SMCS-7000

i01542330

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	119-4333	1	WASTE HANDLING AR						6
Y	129-2014	2	FRAME AS-FRONT						577
			S/N: 9EM1-299						
Y	176-6763	2	FRAME AS-FRONT						578
			S/N: 9EM300-1212						
Y	170-5758	2	FRAME AS-TRACK ROLLER						642
			S/N: 9EM1213-UP						
Y	133-9140	1	GUARD AR-FINAL DRIVE						588
Y	166-4428	1	GUARD AR-IDLER						591
Y	116-6790	1	LIGHTING AR						376

Y - SEPARATE ILLUSTRATION



# MACHINE ARRANGEMENT

## 119-4333 WASTE HANDLING AR

S/N: 9EM1-UP

PART OF 116-1301, 129-1275 WASTE HANDLING AR  
AN ATTACHMENT

SMCS-7000

i01623204

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
Y	1	1	119-5125	1	WASTE HANDLING AR	8
	2	1	<b>1Q-2130</b>	1	HANDLE AS	
Y	3	1	118-7442	1	GRILL GP-RADIATOR	580
CY	4	1	159-5984	1	GUARD GP-BOTTOM	598
	5	1	<b>1Q-2423</b>	2	HANDLE AS	
Y	6	1	118-7441	1	GUARD AS-RADIATOR	592
	7	1	<b>8T-4835</b>	6	BOLT (1/2-13X2 IN)	
	8	1	<b>8T-4223</b>	6	WASHER-HARD (13.5X25.5X3MM THK)	
	9	1	<b>9Z-9129</b>	2	BAR	
	10	1	<b>109-5196</b>	2	FILM-WASTE HANDLER	
	11	1	<b>9Z-9128</b>	2	BAR	
	12	1	<b>1Z-9278</b>	2	BAR	
	13	1	<b>9Z-9127</b>	2	BAR	
	14	1	<b>1Z-9277</b>	2	BAR	
	15	1	<b>1Q-2983</b>	1	BAR	
	16	1	<b>1Q-3000</b>	1	BAR	
	17	1	<b>1Q-3685</b>	2	PLATE	
BD	18	1	<b>5P-7211</b>	1	SEAL	
	19	1	<b>144-6711</b>	1	PLATE AS-RH	
		1	<b>1Z-9277</b>	1	BAR	
		1	<b>1F-0750</b>	8	NUT-WELD (3/8-16 THD)	
	20	1	<b>144-6712</b>	1	PLATE AS-LH	
		1	<b>1Z-9277</b>	1	BAR	
		1	<b>1F-0750</b>	12	NUT-WELD (3/8-16 THD)	
		1	<b>6K-2198</b>	1	BOSS	
	21	1	<b>202-1331</b>	1	PLATE AS	
F	1	<b>8S-2385</b>	1	STACK AS-AIR		
YF	1	111-0342	1	ALTERNATOR AR-CHARGING		290
YF	1	1Z-0746	1	GUARD GP-SEAL		616
F	1	<b>9Q-3668</b>	1	V-BELT		

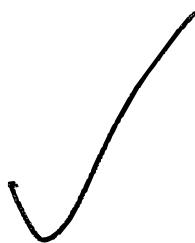
B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

D-ORDER BY THE METER

F-NOT SHOWN

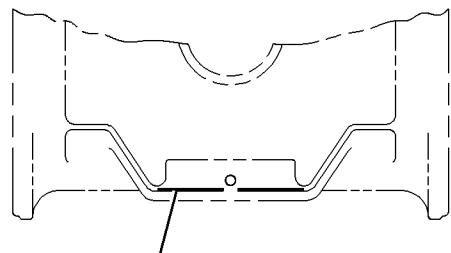
Y-SEPARATE ILLUSTRATION



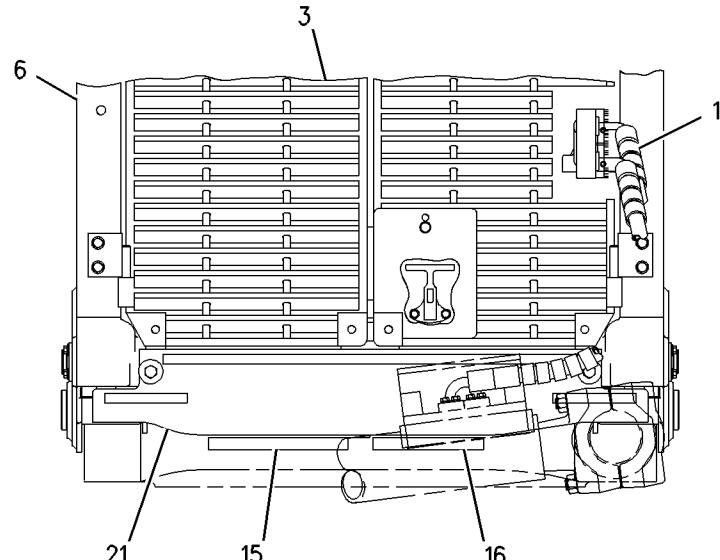
# MACHINE ARRANGEMENT

119-4333 WASTE HANDLING AR (contd.)

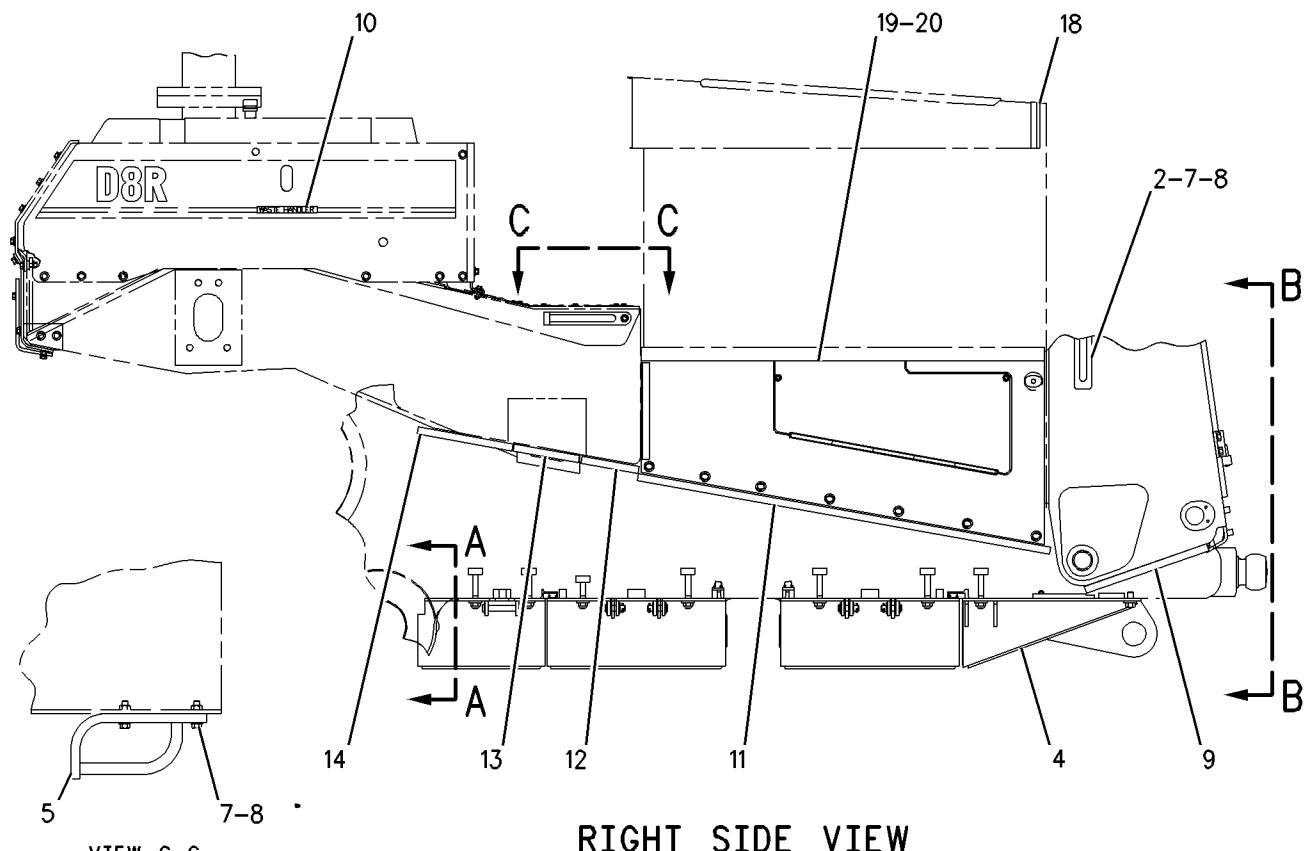
i01623204



SECTION A-A



VIEW A-A



RIGHT SIDE VIEW

GRAPHIC #1

g00859450

# MACHINE ARRANGEMENT

## 119-5125 WASTE HANDLING AR

S/N: 9EM1-UP

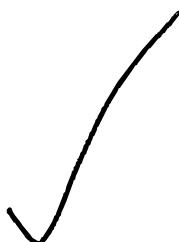
PART OF 119-4333 WASTE HANDLING AR  
AN ATTACHMENT

SMCS-7000

i01223764

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE
			1 2 3 4 5 6		
	165-0020	2	HOSE		
			84CM LENGTH EACH		
			1 - 90 DEGREE & 1 - 60 DEGREE COUPLING		
I	119-5154	1	HOSE AS		
			97 CM LENGTH		
			90 DEGREE COUPLING EACH END		
I	119-5153	1	HOSE AS		
			91 CM LENGTH		
			90 DEGREE COUPLING EACH END		

I - SEE HOSE FABRICATION GUIDE



# MACHINE ARRANGEMENT

## 129-1275 WASTE HANDLING AR

S/N: 9EM1-UP

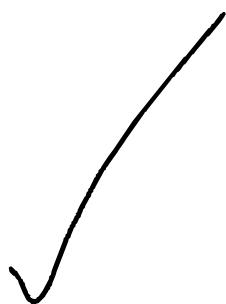
FOR USE WITH NON-SUSPENDED UNDERCARRIAGE AR  
AN ATTACHMENT

SMCS-7000

i01512601

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	119-4333	1	WASTE HANDLING AR						6
Y	133-9140	1	GUARD AR-FINAL DRIVE						588
			-OR-						
Y	159-8838	1	GUARD AR-FINAL DRIVE						589
Y	166-4427	1	GUARD AR-IDLER						590
Y	116-6790	1	LIGHTING AR						376

Y-SEPARATE ILLUSTRATION



# MACHINE ARRANGEMENT

## 183-5405 WASTE HANDLING AR

S/N: 9EM1-UP

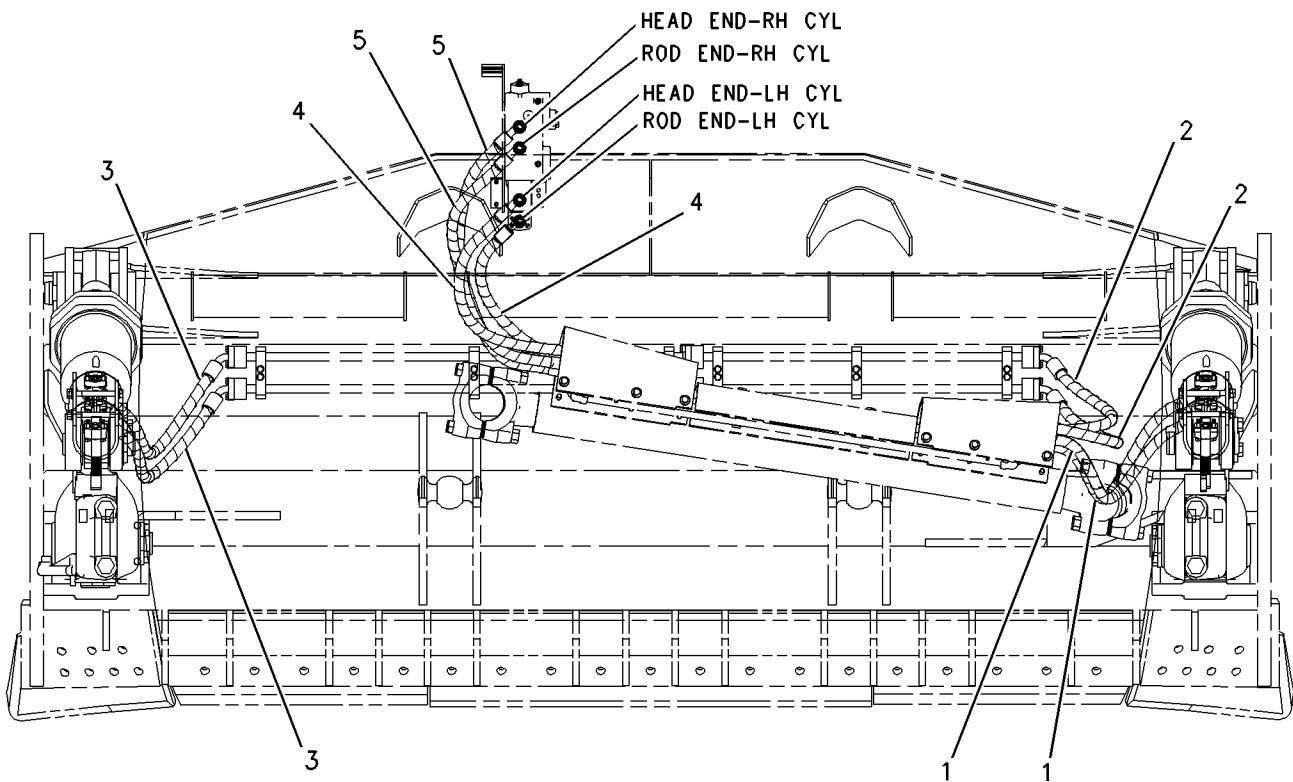
WASTE DISPOSAL  
AN ATTACHMENT

SMCS-7000

i01534181

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
I	1	1	9Z-9246	2	HOSE AS						
I	2	1	183-5406	2	HOSE AS						
I	3	1	183-5408	2	HOSE AS						
I	4	1	183-5409	2	HOSE AS						
I	5	1	183-5410	2	HOSE AS						

I - SEE HOSE FABRICATION GUIDE



REAR VIEW

GRAPHIC #1

g00652037

# ENGINE ARRANGEMENT

**105-9697 ENGINE AR**

S/N: 41Z1-UP



**SMCS-1000**

**i01654541**

NOTE	PART NUMBER	QTY	PART NAME	SEE PAGE
			1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	122-1147	1	AFTERCooler GP	176
Y	9Y-2989	1	BREather GP	100
Y	7W-3798	1	CAMSHAFT GP	24
Y	7W-2206	1	COOLER GP-ENGINE OIL	126
YR	<b>4W-9822</b>	1	CORE GP-OIL COOLER	127
Y	7W-5445	1	COVER GP-CYLINDER BLOCK	25
Y	1W-8341	1	COVER GP-FLYWHEEL HOUSING	26
			S/N: 41Z17392-UP	
Y	2W-5528	1	COVER GP-FRONT HOUSING	28
Y	7N-4077	1	COVER GP-FUEL TRANSFER	233
Y	7N-4467	1	COVER GP-VALVE MECHANISM	36
Y	4N-0741	1	CRANKSHAFT GP	38
YR	<b>7E-4697</b>	1	CYLINDER BLOCK GP	40
			S/N: 41Z1-7196, 7198-7269	
Y	152-9153	1	CYLINDER BLOCK GP	52
			S/N: 41Z7197, 7270-UP	
YR	<b>110-5095</b>	1	CYLINDER HEAD GP	58
			S/N: 41Z1-20912	
Y	214-1665	1	CYLINDER HEAD GP	62
Y	4P-5893	1	DAMPER GP	65
Y	110-1282	1	DRIVE GP-GOVERNOR & FUEL PUMP	234
Y	4N-6006	1	FASTENER GP-FRONT HOUSING	70
Y	1W-7376	1	FASTENER GP-FUEL INJ PUMP	235
Y	4N-2481	1	FASTENER GP-OIL PUMP MOUNTING	101
Y	129-7739	1	FILLER GP-ENGINE OIL	103
Y	7C-4941	1	FILTER GP-ENGINE OIL	104
Y	1W-4757	1	FILTER GP-FUEL	237
Y	1W-7505	1	FLYWHEEL GP	71
Y	2W-2653	1	GAUGE GP-OIL LEVEL (DIPSTICK)	108
Y	8N-9246	1	GEAR GP-FRONT	72
Y	9Y-2187	1	GEAR GP-REAR	74
Y	100-2879	1	HOUSING GP-FLYWHEEL	76
Y	7W-3656	1	HOUSING GP-FRONT	78
Y	<b>121-7999</b>	1	LIFTING GP-ENGINE	82
			S/N: 41Z1-19833	
Y	200-7985	1	LIFTING GP-ENGINE	83
			S/N: 41Z19834-UP	
Y	<b>6I-1574</b>	1	LINES GP-AFTERCooler WATER	142
Y	<b>102-0708</b>	1	LINES GP-AIR	198
Y	<b>4W-3821</b>	1	LINES GP-ENGINE OIL	110
Y	<b>119-9019</b>	1	LINES GP-FUEL FILTER	252
			S/N: 41Z1-17009	
Y	<b>183-2347</b>	1	LINES GP-FUEL FILTER	254
			S/N: 41Z17010-UP	
Y	<b>111-0272</b>	1	LINES GP-FUEL INJECTION	260
			S/N: 41Z1-12894	
Y	<b>163-8025</b>	1	LINES GP-FUEL INJECTION	262
			S/N: 41Z12895-UP	
Y	<b>7W-3935</b>	1	LINES GP-FUEL RATIO CONTROL	264
Y	<b>4W-0200</b>	1	LINES GP-TURBOCHARGER OIL	112
Y	<b>7W-0159</b>	1	LINES GP-WATER	146
			S/N: 41Z1-17009	
Y	<b>183-2416</b>	1	LINES GP-WATER	152
			S/N: 41Z17010-UP	
Y	<b>7C-0067</b>	1	MANIFOLD GP-EXHAUST	200
Y	<b>7W-0158</b>	1	PAN GP-OIL	84

# ENGINE ARRANGEMENT

**105-9697 ENGINE AR (contd.)**

**i01654541**

NOTE	PART NUMBER	QTY	PART NAME	SEE PAGE
			1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	108-8865	6	PISTON & ROD GP S/N: 41Z1-12894	88
Y	163-0920	6	PISTON & ROD GP S/N: 41Z12895-UP	90
Y	128-7985	1	PROTECTION GP-FUEL SYSTEM	265
YR	<b>4N-0735</b>	1	PUMP GP-ENGINE OIL S/N: 41Z1-7196, 7198-7269, 12895-13326	120
YR	<b>4N-8735</b>	1	PUMP GP-ENGINE OIL S/N: 41Z7197, 7270-12894	121
YR	<b>161-4112</b>	1	PUMP GP-ENGINE OIL S/N: 41Z13327-19777	122
YR	<b>198-1508</b>	1	PUMP GP-ENGINE OIL S/N: 41Z19778-UP	123
Y	8N-6201	1	PUMP GP-FUEL PRM & PRIM FILTER S/N: 41Z1-17009	272
Y	183-2341	1	PUMP GP-FUEL PRM & PRIM FILTER S/N: 41Z17010-UP	273
Y	2W-4381	1	PUMP & MTG GP-FUEL TRANSFER	266
Y	104-4407	1	PUMP GP-GOV & FUEL INJ S/N: 41Z1-2703	276
Y	137-1607	1	PUMP GP-GOV & FUEL INJ S/N: 41Z2704-UP	278
Y	9N-3288	1	PUMP GP-WATER S/N: 41Z1-13656	154
Y	9Y-5647	1	PUMP GP-WATER S/N: 41Z13567-UP	157
Y	4N-2473	1	SUPPORT GP-ENGINE	93
Y	6I-4687	1	SWITCH GP-FLOW	420
Y	4N-2273	1	TRUNNION GP-ENGINE S/N: 41Z1-17251	96
Y	192-0542	1	TRUNNION GP-ENGINE S/N: 41Z17252-UP	97
Y	109-1680	1	TURBOCHARGER GP S/N: 41Z1-17174	217
Y	187-3578	1	TURBOCHARGER GP S/N: 41Z17175-UP	221
Y	4W-2461	1	VALVE MECHANISM GP S/N: 41Z1-20912	98
Y	214-1666	1	VALVE MECHANISM GP S/N: 41Z20913-UP	99
<b>AVAILABLE GASKET KIT(S) :</b>				
	<b>124-3004</b>		KIT-GASKET (AFTERCOOLER & LINES)	
	<b>132-1402</b>		KIT-GASKET (CENTRAL & LOWER STRUCTURE)	
	<b>132-1999</b>		KIT-GASKET (FRONT STRUCTURE)	
	<b>132-2008</b>		KIT-GASKET (FUEL SYSTEM)	
	<b>132-1405</b>		KIT-GASKET (OIL COOLER & LINES)	
	<b>132-1406</b>		KIT-GASKET (REAR STRUCTURE)	
	<b>131-2102</b>		KIT-GASKET (SINGLE CYLINDER)	
	<b>118-3732</b>		KIT-GASKET (SINGLE CYLINDER LINER)	
	<b>132-1408</b>		KIT-GASKET (TURBOCHARGER)	
	<b>128-2922</b>		KIT-GASKET (WATER PUMP)	

R - REMFG PART MAY BE AVAILABLE  
Y - SEPARATE ILLUSTRATION

# ENGINE ARRANGEMENT

## 111-0592 ENGINE AR

S/N: 41Z1-UP

### PART OF 141-8019 SUPPRESSION AR-SOUND AN ATTACHMENT

**SMCS-1000**

**i01653463**

NOTE	PART NUMBER	QTY	PART NAME	SEE PAGE
			1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	122-1147	1	AFTERCooler GP	176
Y	9Y-2989	1	BREather GP	100
Y	7W-3798	1	CAMSHAFT GP	24
Y	7W-2206	1	COOLER GP-ENGINE OIL	126
YR	<b>4W-9822</b>	1	CORE GP-OIL COOLER	127
Y	7W-5445	1	COVER GP-CYLINDER BLOCK	25
Y	108-2527	1	COVER GP-FRONT HOUSING	30
Y	7N-4077	1	COVER GP-FUEL TRANSFER	233
Y	105-4925	1	COVER GP-SOUND SUPPRESSION	32
Y	106-6578	1	COVER GP-SOUND SUPPRESSION	33
Y	104-4825	1	COVER GP-SOUND SUPPRESSION	31
Y	107-7375	1	COVER GP-SOUND SUPPRESSION	34
Y	7N-4467	1	COVER GP-VALVE MECHANISM	36
Y	4N-0741	1	CRANKSHAFT GP	38
YR	7E-4697	1	CYLINDER BLOCK GP	40
			S/N: 41Z1-7269	
Y	152-9153	1	CYLINDER BLOCK GP	52
			S/N: 41Z7270-UP	
YR	110-5095	1	CYLINDER HEAD GP	58
			S/N: 41Z1-20912	
Y	214-1665	1	CYLINDER HEAD GP	62
			S/N: 41Z20913-UP	
Y	4P-5893	1	DAMPER GP	65
Y	110-1282	1	DRIVE GP-GOVERNOR & FUEL PUMP	234
Y	4N-6006	1	FASTENER GP-FRONT HOUSING	70
Y	1W-7376	1	FASTENER GP-FUEL INJ PUMP	235
Y	4N-2481	1	FASTENER GP-OIL PUMP MOUNTING	101
Y	108-1889	1	FILLER GP-ENGINE OIL	102
Y	7C-4941	1	FILTER GP-ENGINE OIL	104
Y	1W-4757	1	FILTER GP-FUEL	237
Y	1W-7505	1	FLYWHEEL GP	71
Y	2W-2653	1	GAUGE GP-OIL LEVEL (DIPSTICK)	108
Y	8N-9246	1	GEAR GP-FRONT	72
Y	9Y-2187	1	GEAR GP-REAR	74
Y	100-2879	1	HOUSING GP-FLYWHEEL	76
Y	108-2525	1	HOUSING GP-FRONT	80
Y	<b>121-7999</b>	1	LIFTING GP-ENGINE	82
			S/N: 41Z1-19833	
Y	200-7985	1	LIFTING GP-ENGINE	83
			S/N: 41Z19834-UP	
Y	102-0708	1	LINES GP-AIR	198
Y	4W-3821	1	LINES GP-ENGINE OIL	110
Y	119-9019	1	LINES GP-FUEL FILTER	252
			S/N: 41Z1-17009	
Y	183-2347	1	LINES GP-FUEL FILTER	254
			S/N: 41Z17010-UP	
Y	111-0272	1	LINES GP-FUEL INJECTION	260
			S/N: 41Z1-12894	
Y	163-8025	1	LINES GP-FUEL INJECTION	262
			S/N: 41Z12895-UP	
Y	7W-3935	1	LINES GP-FUEL RATIO CONTROL	264
Y	4W-0200	1	LINES GP-TURBOCHARGER OIL	112
Y	107-7377	1	LINES GP-WATER	148
Y	7W-0159	1	LINES GP-WATER	146
			S/N: 41Z1-17009	

# ENGINE ARRANGEMENT

**111-0592 ENGINE AR (contd.)**

**i01653463**

NOTE	PART NUMBER	QTY	PART NAME	SEE PAGE
			1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	183-2416	1	LINES GP-WATER S/N: 41Z17010-UP	152
Y	7C-0067	1	MANIFOLD GP-EXHAUST	200
Y	107-7378	1	PAN GP-OIL	86
Y	108-8865	6	PISTON & ROD GP S/N: 41Z1-12894	88
Y	163-0920	6	PISTON & ROD GP S/N: 41Z12895-UP	90
Y	128-7985	1	PROTECTION GP-FUEL SYSTEM	265
YR	4N-0735	1	PUMP GP-ENGINE OIL S/N: 41Z1-7269, 12895-13326	120
YR	4N-8735	1	PUMP GP-ENGINE OIL S/N: 41Z7270-12894	121
YR	161-4112	1	PUMP GP-ENGINE OIL S/N: 41Z13327-20591	122
YR	198-1508	1	PUMP GP-ENGINE OIL S/N: 41Z20592-UP	123
Y	8N-6201	1	PUMP GP-FUEL PRM & PRIM FILTER S/N: 41Z1-17009	272
Y	183-2341	1	PUMP GP-FUEL PRM & PRIM FILTER S/N: 41Z17010-UP	273
Y	2W-4381	1	PUMP & MTG GP-FUEL TRANSFER	266
Y	104-4407	1	PUMP GP-GOV & FUEL INJ —OR—	276
Y	137-1607	1	PUMP GP-GOV & FUEL INJ	278
Y	9N-3288	1	PUMP GP-WATER	154
Y	4N-2473	1	SUPPORT GP-ENGINE	93
Y	6I-4687	1	SWITCH GP-FLOW	420
Y	4N-2273	1	TRUNNION GP-ENGINE S/N: 41Z1-17251	96
Y	192-0542	1	TRUNNION GP-ENGINE S/N: 41Z17252-UP	97
Y	109-1680	1	TURBOCHARGER GP S/N: 41Z1-17171	217
Y	187-3578	1	TURBOCHARGER GP S/N: 41Z17172-UP	221
Y	4W-2461	1	VALVE MECHANISM GP S/N: 41Z1-20912	98
Y	214-1666	1	VALVE MECHANISM GP S/N: 41Z20913-UP	99
GASKET KITS WILL BE PROVIDED WHEN AVAILABLE				

R - REMFG PART MAY BE AVAILABLE  
Y - SEPARATE ILLUSTRATION

# ENGINE ARRANGEMENT

## 111-0593 ENGINE AR

S/N: 41Z1-UP

**PART OF 121-0325 SHIELD AR-THERMO  
AN ATTACHMENT**

**SMCS-1000**

**i01600865**

NOTE	PART NUMBER	QTY	PART NAME	SEE PAGE
			1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	122-1147	1	AFTERCooler GP	176
Y	9Y-2989	1	BREather GP	100
Y	7W-3798	1	CAMSHAFT GP	24
Y	7W-2206	1	COOLER GP-ENGINE OIL	126
YR	<b>4W-9822</b>	1	CORE GP-OIL COOLER	127
Y	7W-5445	1	COVER GP-CYLINDER BLOCK	25
Y	2W-5528	1	COVER GP-FRONT HOUSING	28
Y	7N-4077	1	COVER GP-FUEL TRANSFER	233
Y	7W-7353	1	COVER GP-VALVE MECHANISM	37
Y	4N-0741	1	CRANKSHAFT GP	38
Y	152-9153	1	CYLINDER BLOCK GP	52
YR	110-5095	1	CYLINDER HEAD GP	58
Y	4P-5893	1	DAMPER GP	65
Y	110-1282	1	DRIVE GP-GOVERNOR & FUEL PUMP	234
Y	4N-6006	1	FASTENER GP-FRONT HOUSING	70
Y	1W-7376	1	FASTENER GP-FUEL INJ PUMP	235
Y	4N-2481	1	FASTENER GP-OIL PUMP MOUNTING	101
Y	129-7739	1	FILLER GP-ENGINE OIL	103
Y	7C-4941	1	FILTER GP-ENGINE OIL	104
Y	1W-4757	1	FILTER GP-FUEL	237
Y	1W-7505	1	FLYWHEEL GP	71
Y	2W-2653	1	GAUGE GP-OIL LEVEL (DIPSTICK)	108
Y	8N-9246	1	GEAR GP-FRONT	72
Y	9Y-2187	1	GEAR GP-REAR	74
Y	100-2879	1	HOUSING GP-FLYWHEEL	76
Y	7W-3656	1	HOUSING GP-FRONT	78
Y	<b>121-7999</b>	1	LIFTING GP-ENGINE	82
			S/N: 41Z1-17251	
Y	200-7985	1	LIFTING GP-ENGINE	83
			S/N: 41Z17252-UP	
Y	6I-1574	1	LINES GP-AFTERCooler WATER	142
Y	102-0708	1	LINES GP-AIR	198
Y	4W-3821	1	LINES GP-ENGINE OIL	110
Y	119-9019	1	LINES GP-FUEL FILTER	252
			S/N: 41Z1-17009	
Y	183-2347	1	LINES GP-FUEL FILTER	254
			S/N: 41Z17010-UP	
Y	163-8025	1	LINES GP-FUEL INJECTION	262
Y	7W-3935	1	LINES GP-FUEL RATIO CONTROL	264
Y	7C-1662	1	LINES GP-TURBOCHARGER OIL	113
Y	1W-3934	1	LINES GP-TURBOCHARGER WATER	144
Y	7W-0159	1	LINES GP-WATER	146
			S/N: 41Z1-17009	
Y	183-2416	1	LINES GP-WATER	152
			S/N: 41Z17010-UP	
Y	7C-0067	1	MANIFOLD GP-EXHAUST	200
Y	7W-0158	1	PAN GP-OIL	84
Y	163-0920	6	PISTON & ROD GP	90
Y	128-7985	1	PROTECTION GP-FUEL SYSTEM	265
YR	<b>161-4112</b>	1	PUMP GP-ENGINE OIL	122
			S/N: 41Z17010-20591	
Y	<b>198-1508</b>	1	PUMP GP-ENGINE OIL	123
			S/N: 41Z20592-UP	
Y	8N-6201	1	PUMP GP-FUEL PRM & PRIM FILTER	272
			S/N: 41Z1-17009	

# ENGINE ARRANGEMENT

**111-0593 ENGINE AR (contd.)**

**i01600865**

NOTE	PART NUMBER	QTY	PART NAME	SEE PAGE
			1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	183-2341	1	PUMP GP-FUEL PRM & PRIM FILTER S/N: 41Z17010-UP	273
Y	2W-4381	1	PUMP & MTG GP-FUEL TRANSFER	266
Y	137-1607	1	PUMP GP-GOV & FUEL INJ	278
Y	9N-3288	1	PUMP GP-WATER	154
Y	4N-2473	1	SUPPORT GP-ENGINE	93
Y	6I-4687	1	SWITCH GP-FLOW	420
Y	4N-2273	1	TRUNNION GP-ENGINE S/N: 41Z1-17251	96
Y	192-0542	1	TRUNNION GP-ENGINE S/N: 41Z17252-UP	97
Y	109-2199	1	TURBOCHARGER GP S/N: 41Z1-17171	218
Y	188-5094	1	TURBOCHARGER GP S/N: 41Z17172-UP	222
Y	4W-2461	1	VALVE MECHANISM GP	98

GASKET KITS WILL BE PROVIDED WHEN AVAILABLE

R-REMFG PART MAY BE AVAILABLE

Y-SEPARATE ILLUSTRATION

# ENGINE ARRANGEMENT

## 111-0594 ENGINE AR

S/N: 41Z1-UP

PART OF 124-8394 SHIELD AR-THERMO  
AN ATTACHMENT

**SMCS-1000**

**i01600937**

NOTE	PART NUMBER	QTY	PART NAME	SEE PAGE
			1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	122-1147	1	AFTERCooler GP	176
Y	9Y-2989	1	BREather GP	100
Y	7W-3798	1	CAMSHAFT GP	24
Y	7W-2206	1	COOLER GP-ENGINE OIL	126
YR	<b>4W-9822</b>	1	CORE GP-OIL COOLER	127
Y	7W-5445	1	COVER GP-CYLINDER BLOCK	25
Y	108-2527	1	COVER GP-FRONT HOUSING	30
Y	7N-4077	1	COVER GP-FUEL TRANSFER	233
Y	107-7375	1	COVER GP-SOUND SUPPRESSION	34
Y	104-4825	1	COVER GP-SOUND SUPPRESSION	31
Y	106-6578	1	COVER GP-SOUND SUPPRESSION	33
Y	105-4925	1	COVER GP-SOUND SUPPRESSION	32
Y	7W-7353	1	COVER GP-VALVE MECHANISM	37
Y	4N-0741	1	CRANKSHAFT GP	38
YR	7E-4697	1	CYLINDER BLOCK GP	40
YR	110-5095	1	CYLINDER HEAD GP	58
Y	4P-5893	1	DAMPER GP	65
Y	110-1282	1	DRIVE GP-GOVERNOR & FUEL PUMP	234
Y	4N-6006	1	FASTENER GP-FRONT HOUSING	70
Y	1W-7376	1	FASTENER GP-FUEL INJ PUMP	235
Y	4N-2481	1	FASTENER GP-OIL PUMP MOUNTING	101
Y	108-1889	1	FILLER GP-ENGINE OIL	102
Y	7C-4941	1	FILTER GP-ENGINE OIL	104
Y	1W-4757	1	FILTER GP-FUEL	237
Y	1W-7505	1	FLYWHEEL GP	71
Y	2W-2653	1	GAUGE GP-OIL LEVEL (DIPSTICK)	108
Y	8N-9246	1	GEAR GP-FRONT	72
Y	9Y-2187	1	GEAR GP-REAR	74
Y	100-2879	1	HOUSING GP-FLYWHEEL	76
Y	108-2525	1	HOUSING GP-FRONT	80
Y	<b>121-7999</b>	1	LIFTING GP-ENGINE	82
			S/N: 41Z1-19833	
Y	200-7985	1	LIFTING GP-ENGINE	83
			S/N: 41Z19834-UP	
Y	102-0708	1	LINES GP-AIR	198
Y	4W-3821	1	LINES GP-ENGINE OIL	110
Y	119-9019	1	LINES GP-FUEL FILTER	252
			S/N: 41Z1-17009	
Y	183-2347	1	LINES GP-FUEL FILTER	254
			S/N: 41Z17010-UP	
Y	111-0272	1	LINES GP-FUEL INJECTION	260
Y	7W-3935	1	LINES GP-FUEL RATIO CONTROL	264
Y	7C-1662	1	LINES GP-TURBOCHARGER OIL	113
Y	1W-3934	1	LINES GP-TURBOCHARGER WATER	144
Y	107-7377	1	LINES GP-WATER	148
Y	7W-0159	1	LINES GP-WATER	146
			S/N: 41Z1-17009	
Y	183-2416	1	LINES GP-WATER	152
			S/N: 41Z17010-UP	
Y	7C-0067	1	MANIFOLD GP-EXHAUST	200
Y	7W-0158	1	PAN GP-OIL	84
Y	108-8865	6	PISTON & ROD GP	88
Y	128-7985	1	PROTECTION GP-FUEL SYSTEM	265
YR	<b>161-4112</b>	1	PUMP GP-ENGINE OIL	122
			S/N: 41Z7270-20591	

# ENGINE ARRANGEMENT

**111-0594 ENGINE AR (contd.)**

**i01600937**

NOTE	PART NUMBER	QTY	PART NAME	SEE PAGE
			1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	<b>198-1508</b>	1	PUMP GP-ENGINE OIL S/N: 41Z20592-UP	123
Y	<b>8N-6201</b>	1	PUMP GP-FUEL PRM & PRIM FILTER S/N: 41Z1-17009	272
Y	<b>183-2341</b>	1	PUMP GP-FUEL PRM & PRIM FILTER S/N: 41Z17010-UP	273
Y	<b>2W-4381</b>	1	PUMP & MTG GP-FUEL TRANSFER	266
Y	<b>137-1607</b>	1	PUMP GP-GOV & FUEL INJ	278
Y	<b>9N-3288</b>	1	PUMP GP-WATER	154
Y	<b>4N-2473</b>	1	SUPPORT GP-ENGINE	93
Y	<b>6I-4687</b>	1	SWITCH GP-FLOW	420
Y	<b>4N-2273</b>	1	TRUNNION GP-ENGINE S/N: 41Z1-17251	96
Y	<b>192-0542</b>	1	TRUNNION GP-ENGINE S/N: 41Z17252-UP	97
Y	<b>109-2199</b>	1	TURBOCHARGER GP S/N: 41Z1-17171	218
Y	<b>188-5094</b>	1	TURBOCHARGER GP S/N: 41Z17172-UP	222
Y	<b>4W-2461</b>	1	VALVE MECHANISM GP	98

GASKET KITS WILL BE PROVIDED WHEN AVAILABLE

R-REMFG PART MAY BE AVAILABLE  
Y-SEPARATE ILLUSTRATION

# BASIC ENGINE

## 118-2044 BELT TIGHTENER GP

S/N: 9EM1-970

SMCS-1358

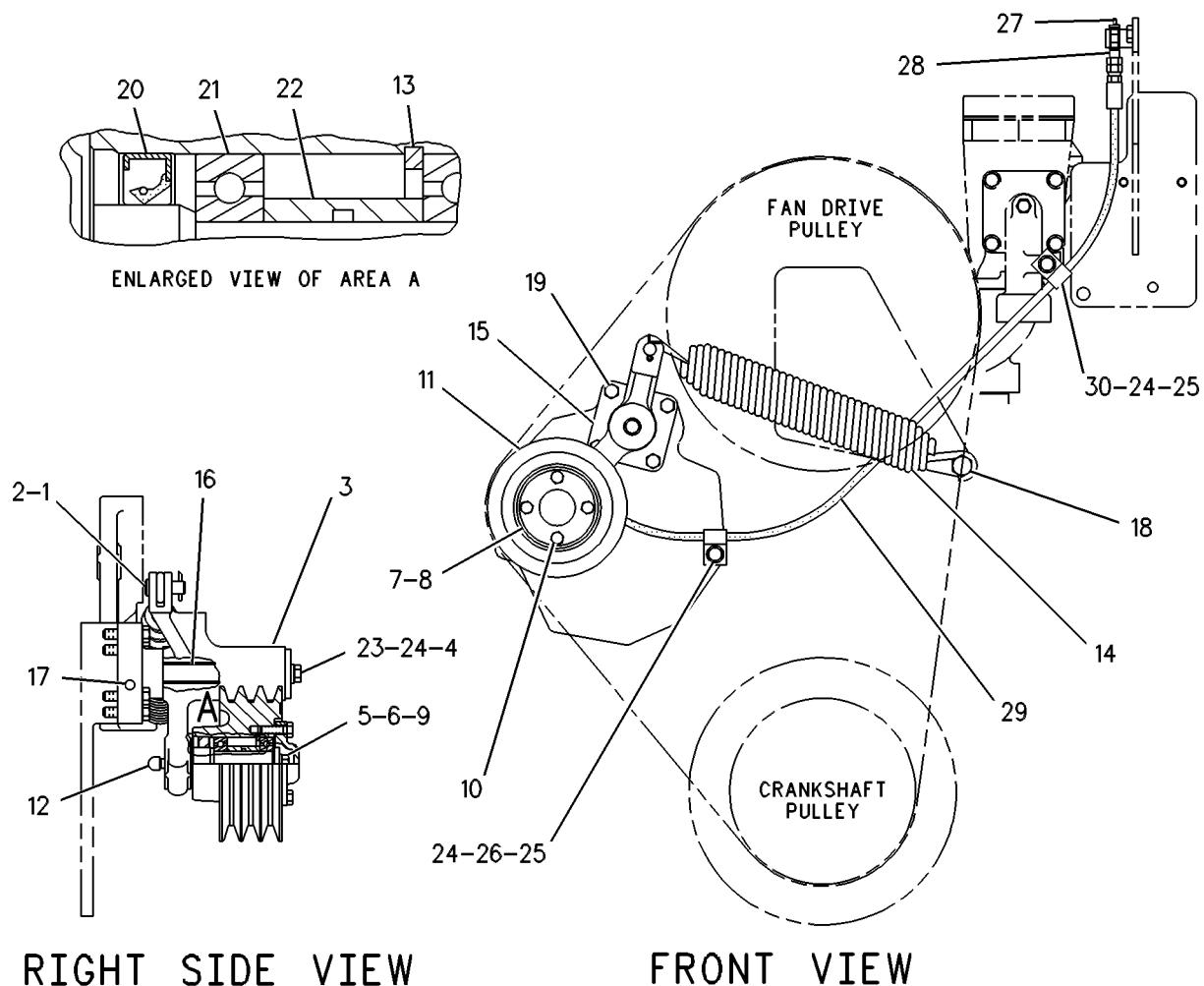
i00569594

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		0S-0175	1	PIN-CLEVIS						
2	1		3B-4617	1	COTTER						
3	1		2W-2169	1	ARM AS-BELT						
	1		4N-0955	1	DOWEL						
	1		4S-5367	1	BUSHING AS						
4	1		2M-2742	1	PLATE-RETAINER						
5	1		0L-1351	1	BOLT (3/8-16X.875IN)						
6	1		5M-2894	1	WASHER (2.5MM THK)						
7	1		2S-6151	1	GASKET						
8	1		2S-6150	1	COVER-PULLEY						
9	1		2S-6160	1	WASHER-HARD (5MM THK)						
10	1		4M-6425	4	BOLT (5/16-18X1IN)						
11	1		4N-2697	1	PULLEY-TIGHTENER						
12	1		3B-6552	1	ELBOW						
13	1		8B-2327	1	RING-RETAINER						
14	1		7N-5959	1	SPRING						
15	1		4N-2690	1	SHAFT AS						
16	1		1S-9209	1	SHAFT-TIGHTENER						
17	1		4N-0955	1	DOWEL						
18	1		2W-3376	1	SCREW						
19	1		4L-9337	4	BOLT (3/8-16X1.50IN)						
20	1		5M-9735	1	SEAL-LIP						
21	1		6B-1124	2	BALL BEARING						
22	1		1S-8687	1	SPACER						
23	1		5S-7379	1	BOLT (3/8-16X.875IN)						
24	1		8T-4896	3	WASHER-HARD (2.5MM THK)						
25	1		5P-9297	2	CLIP (9.52MM ID)						
26	1		9B-7237	1	BOLT (3/8-16X1.25IN)						
27	1		3B-8489	1	FITTING-GREASE (1/8-27 THD)						
28	1		8L-6557	1	CONNECTOR						
29	1		9G-0682	1	HOSE AS						
30	1		5M-3062	1	BOLT (3/8-16X.750IN)						

# BASIC ENGINE

118-2044 BELT TIGHTENER GP (*contd.*)

i00569594



GRAPHIC #1

g00249703

# BASIC ENGINE

## 183-3107 BELT TIGHTENER GP

S/N: 9EM971-UP

SMCS-1358

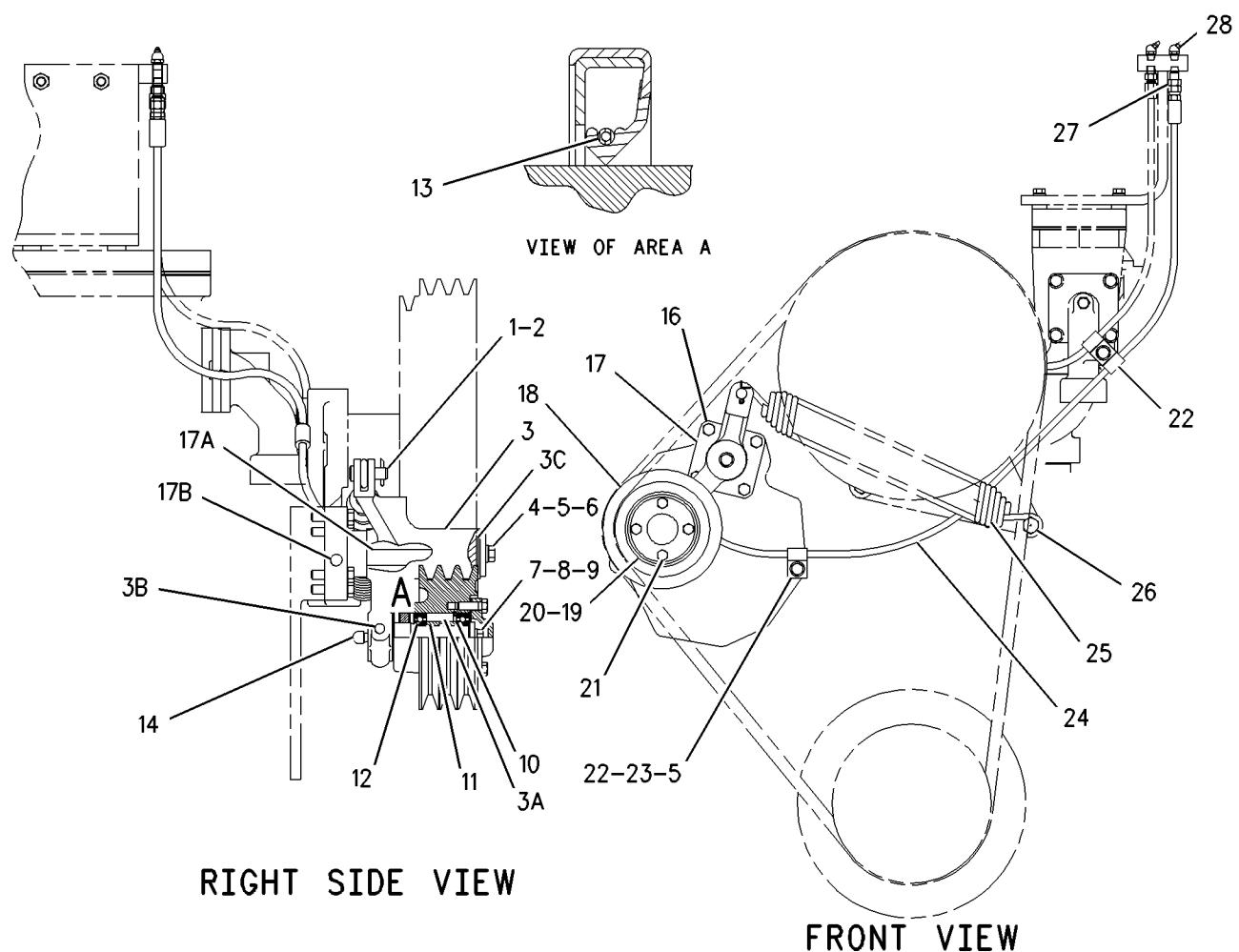
i01368612

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		0S-0175	1	PIN-CLEVIS						
2	1		3B-4617	1	COTTER						
3	1		2W-2169	1	ARM AS-BELT						
3A	1		2S-6196	1	SHAFT-PULLEY						
3B	1		4N-0955	1	DOWEL						
3C	1		4S-5367	1	BUSHING AS						
4	1		5S-7379	1	BOLT (3/8-16X.875 IN)						
5	1		8T-4896	2	WASHER-HARD (10.2X18.5X2.5MM THK)						
6	1		2M-2742	1	PLATE-RETAINER						
7	1		0L-1351	1	BOLT (3/8-16X.875 IN)						
8	1		5M-2894	1	WASHER-HARD (10.2X18.5X2.5MM THK)						
9	1		2S-6160	1	WASHER-HARD (10.2X32X5MM THK)						
10	1		8B-2327	1	RING-RETAINING						
11	1		1S-8687	1	SPACER						
12	1		6B-1124	2	BALL BEARING						
13	1		5M-9735	1	SEAL-LIP						
14	1		3B-6552	1	ELBOW (90 DEGREES)						
16	1		4L-9337	4	BOLT (3/8-16X1.5 IN)						
17	1		4N-2690	1	SHAFT AS						
17A	1		4N-0955	1	DOWEL						
18	1		4N-2697	1	PULLEY-TIGHTENER						
19	1		2S-6150	1	COVER-PULLEY						
20	1		2S-6151	1	GASKET						
21	1		4M-6425	4	BOLT (5/16-18X1 IN)						
22	1		5P-9297	2	CLIP						
23	1		9B-7237	1	BOLT (3/8-16X1.25 IN)						
24	1		9P-9812	1	HOSE AS						
25	1		7N-5959	1	SPRING						
26	1		2W-3376	1	SCREW						
27	1		8L-6557	1	CONNECTOR						
28	1		3B-8485	1	FITTING-GREASE						

# BASIC ENGINE

183-3107 BELT TIGHTENER GP (*contd.*)

i01368612



RIGHT SIDE VIEW

FRONT VIEW

GRAPHIC #1

g00745131

# BASIC ENGINE

## 7W-3798 CAMSHAFT GP

S/N: 41Z1-UP

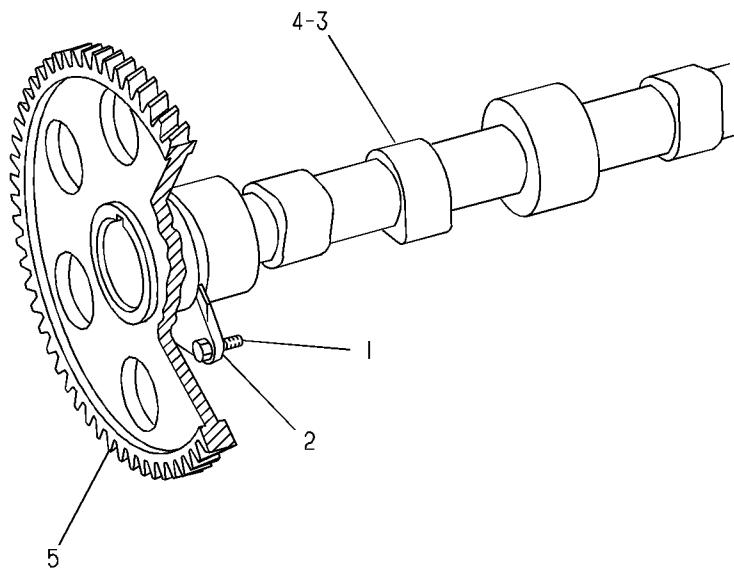
PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1210, 1211, 1212

i00148993

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		OS-0509	2	BOLT (3/8-16X.75IN)						
2	1		4N-0342	1	PLATE-CAMSHAFT THRUST						
R	3	1	100-7408	1	CAMSHAFT AS						
4	1		1B-8705	1	KEY-WOODRUFF						
5	1		8N-8254	1	GEAR-CAMSHAFT (64 TEETH)						

R - REMFG PART MAY BE AVAILABLE



GRAPHIC #1

g00108229

# BASIC ENGINE

## 7W-5445 COVER GP-CYLINDER BLOCK

S/N: 41Z1-UP

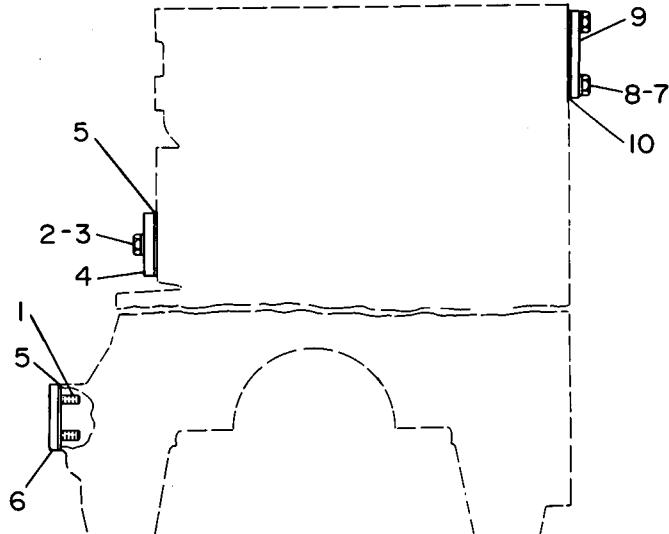
PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1201

i00569694

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		030-7571	2	BOLT (3/8-16X1.0IN)						
2	1		5M-2894	2	WASHER (2.5MM THK)						
3	1		OS-1594	2	BOLT (3/8-16X1IN)						
4	1		4W-9890	1	COVER						
5	1		4N-0699	2	GASKET						
6	1		7W-5444	1	COVER						
B	7	1	5M-2894	2	WASHER (2.5MM THK)						
B	8	1	OS-1594	2	BOLT (3/8-16X1IN)						
B	9	1	4N-0996	1	COVER						
B	10	1	4N-0699	1	GASKET						

B-USE AS REQUIRED



GRAPHIC #1

g00177811

# BASIC ENGINE

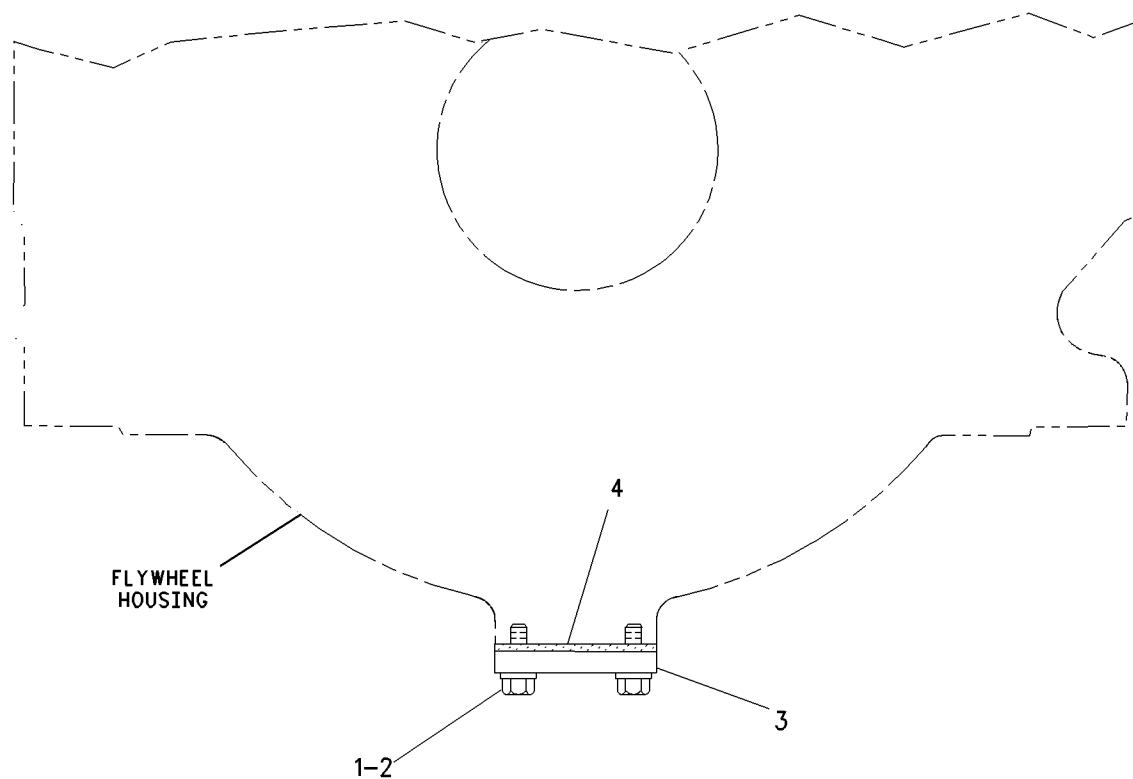
## 1W-8341 COVER GP - FLYWHEEL HOUSING

S/N: 41Z17392-UP  
PART OF 105-9697 ENGINE AR

SMCS-1157

i01370591

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		0S-1594	2	BOLT (3/8-16X1 IN)						
2	1		5M-2894	2	WASHER-HARD (10.2X18.5X2.5MM THK)						
3	1		1M-0130	1	COVER						
4	1		4M-6480	1	GASKET						



GRAPHIC #1

g00728617

# BASIC ENGINE

## 2W-5528 COVER GP - FRONT HOUSING

S/N: 41Z1-UP

PART OF 105-9697, 111-0593 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1151, 1162, 1166

i00569924

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		4N-2695	1	GASKET-COVER						
2	1		6N-4339	1	COVER-WATER PUMP						
3	1		5M-2894	12	WASHER (2.5MM THK)						
4	1		0S-1594	3	BOLT (3/8-16X1IN)						
5	1		1A-5964	4	BOLT (3/8-16X4.5IN)						
6	1		5P-1393	2	STUD-TAPERLOCK						
7	1		5P-8245	2	WASHER (3MM THK)						
C	8	1	1F-7958	2	NUT-FULL (1/2-13 THD)						
C	9	1	1H-7339	1	SEAL-O-RING (75.79MM ID)						
C	10	1	4P-1650	1	COVER						
C	11	1	9S-8752	10	NUT-FULL (3/8-16 THD)						
	12	1	6V-4259	2	BOLT-SHALLOW HEAD						
	13	1	7W-0042	1	COVER						
	14	1	8S-9191	2	BOLT (3/8-16X4IN)						
	15	1	2W-0459	1	GASKET						
B	16	1	0S-1594	1	BOLT (3/8-16X1IN)						
	17	1	1A-5183	1	BOLT (3/8-16X4.75IN)						

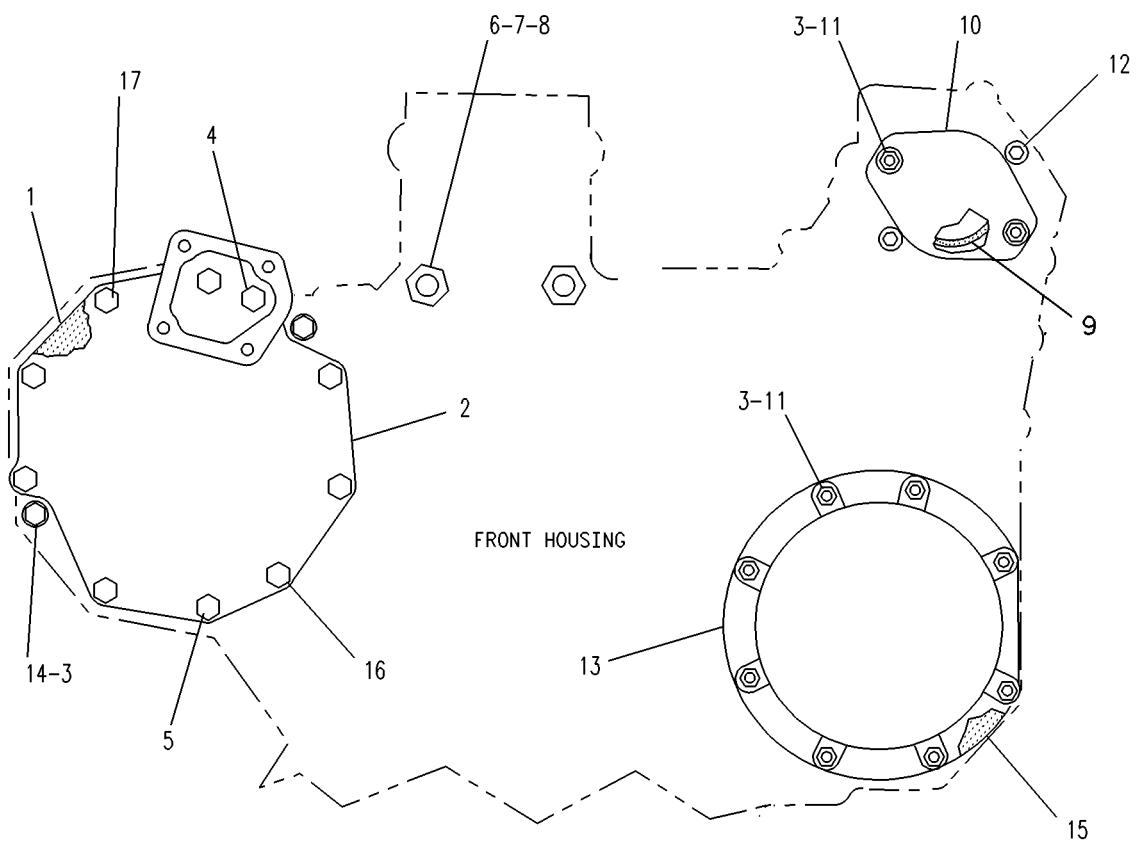
B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

# BASIC ENGINE

2W-5528 COVER GP - FRONT HOUSING (*contd.*)

i00569924



GRAPHIC #1

g00220543

# BASIC ENGINE

## 108-2527 COVER GP - FRONT HOUSING

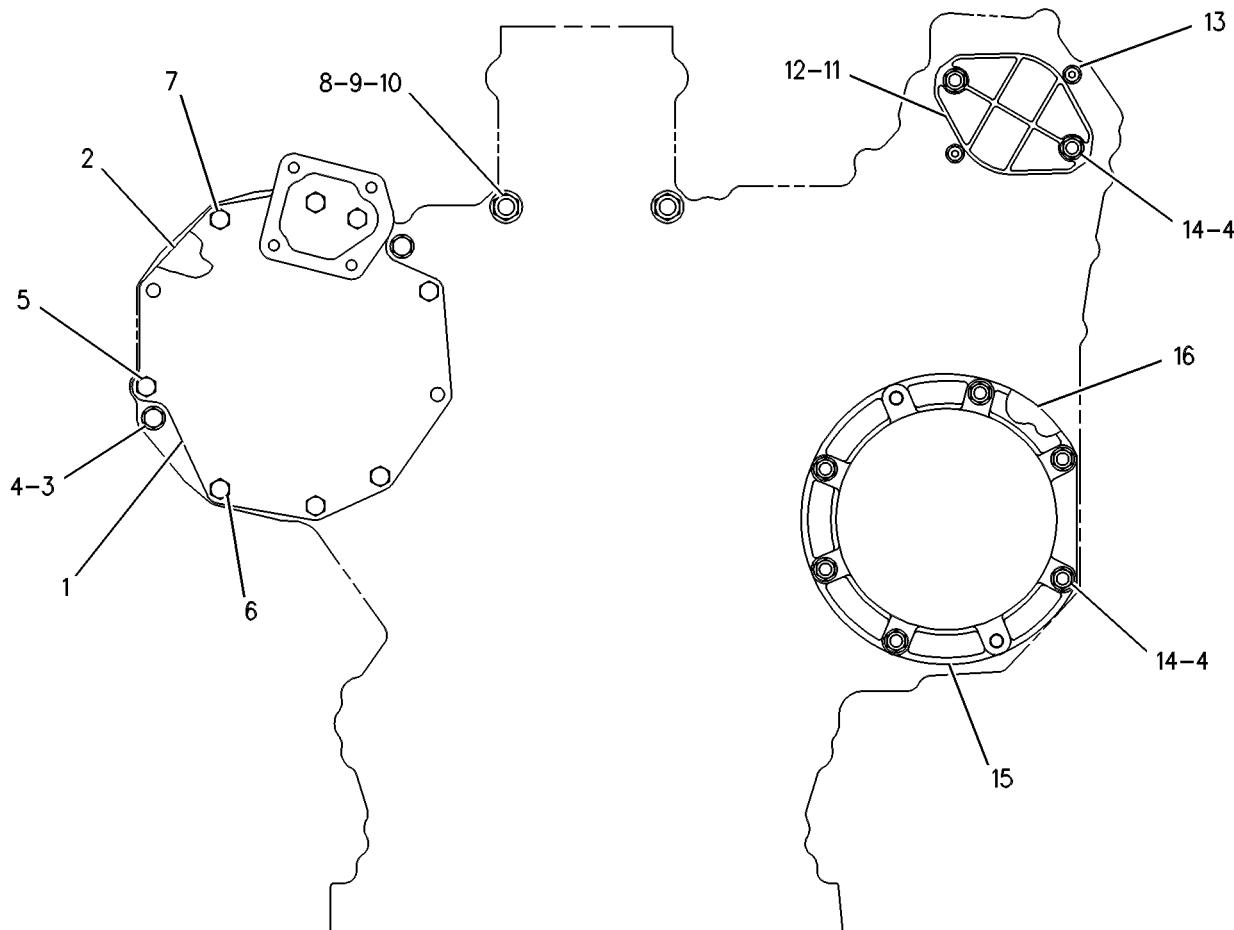
S/N: 41Z1-UP

PART OF 111-0592, 111-0594 ENGINE AR  
AN ATTACHMENT

SMCS-1151, 1162, 1166

i01231027

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		6N-4339	1	COVER-WATER PUMP						
2	1		4N-2695	1	GASKET-COVER						
3	1		8S-9191	2	BOLT (3/8-16X4IN)						
4	1		5M-2894	10	WASHER (2.5MM THK)						
5	1		0S-1594	4	BOLT (3/8-16X1 IN)						
6	1		1A-5964	3	BOLT (3/8-16X4.5IN)						
7	1		1A-5183	1	BOLT (3/8-16X4.75IN)						
8	1		5P-1393	2	STUD-TAPERLOCK						
9	1		5P-8245	2	WASHER-HARD (3MM THK)						
10	1		1F-7958	2	NUT-FULL (1/2-13 THD)						
11	1		4P-1650	1	COVER						
12	1		1H-7339	1	SEAL-O-RING (75.79MM ID)						
13	1		6V-4259	2	BOLT-SHALLOW HEAD (3/8-16X1/2IN)						
14	1		9S-8752	8	NUT (3/8-16 THD)						
15	1		7W-9467	1	COVER						
16	1		2W-0459	1	GASKET						



FRONT VIEW

GRAPHIC #1

g00249686

# BASIC ENGINE

## 104-4825 COVER GP - SOUND SUPPRESSION

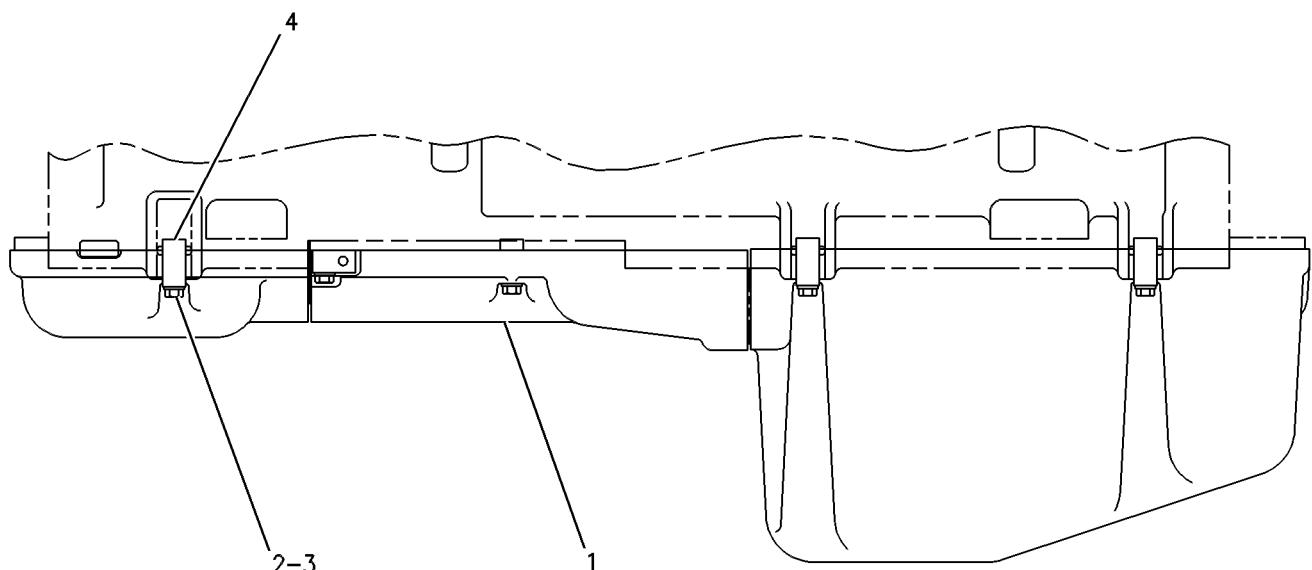
S/N: 41Z1-UP

PART OF 111-0592, 111-0594 ENGINE AR  
AN ATTACHMENT

SMCS-1801

i01230993

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		104-4820	1	PANEL AS-SOUND SUPPRESSION						
			1	8	SPACER						
2	1		OL-1143	8	BOLT (3/8-16X2.50IN)						
3	1		5M-2894	8	WASHER (2.5MM THK)						
4	1		100-4853	6	BRACKET						



GRAPHIC #1

g00249593

# BASIC ENGINE

## 105-4925 COVER GP - SOUND SUPPRESSION

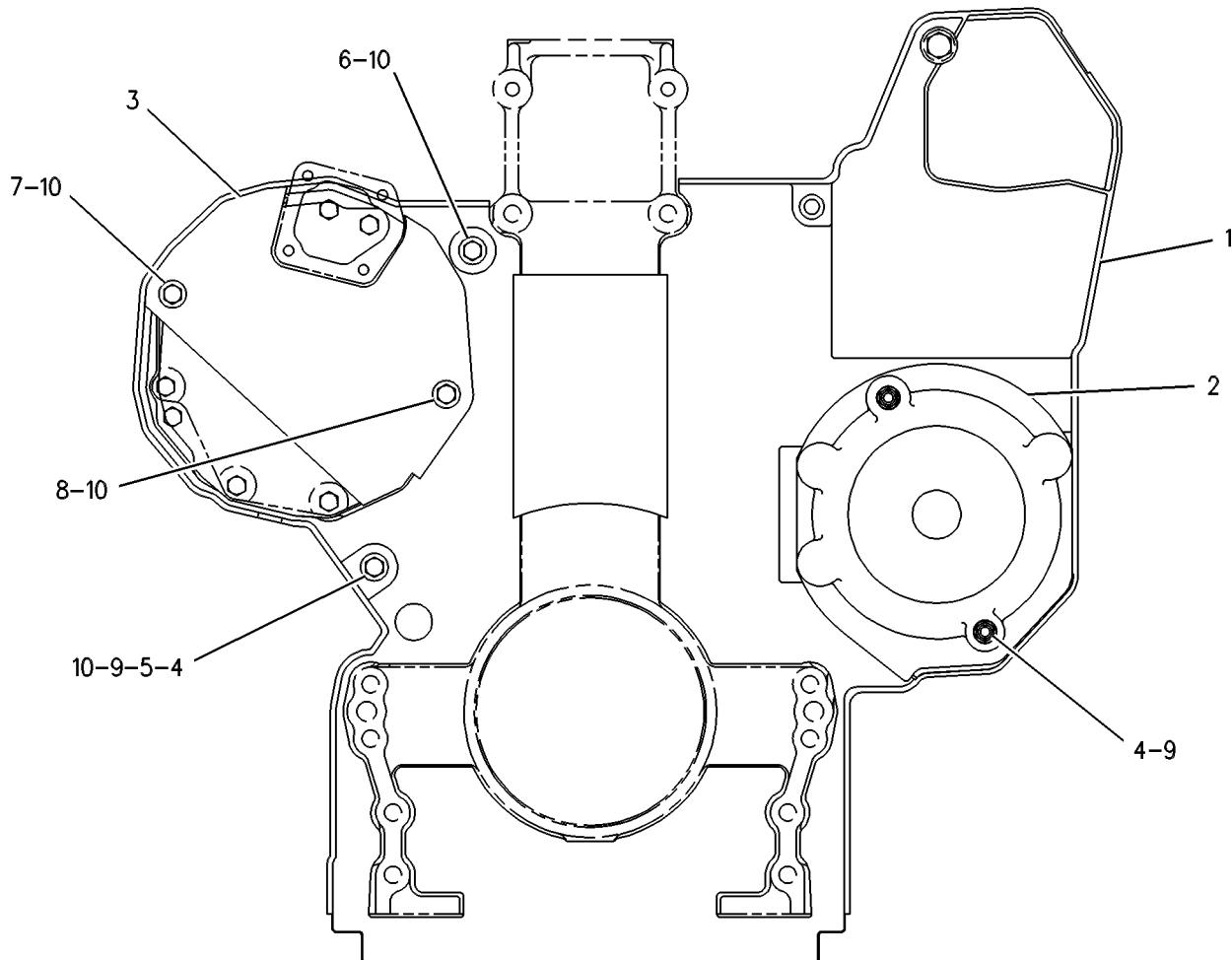
S/N: 41Z1-UP

PART OF 111-0592, 111-0594 ENGINE AR  
AN ATTACHMENT

SMCS-1801

i01230997

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		104-7335	1	COVER AS-SOUND SUPPRESSION						
2	1		105-4858	1	COVER AS-SOUND SUPPRESSION						
3	1		105-4860	1	COVER AS-SOUND SUPPRESSION						
4	1		5M-2894	3	WASHER (2.5MM THK)						
5	1		0T-0055	1	BOLT (3/8-16X4.25IN)						
6	1		1A-5964	1	BOLT (3/8-16X4.5IN)						
7	1		5F-4899	1	BOLT (3/8-16X5.5IN)						
8	1		1C-2251	1	BOLT (3/8-16X1.87IN)						
9	1		9S-8752	3	NUT (3/8-16 THD)						
10	1		9L-9132	4	WASHER (2.5MM THK)						



GRAPHIC #1

g00249587

# BASIC ENGINE

## 106-6578 COVER GP - SOUND SUPPRESSION

S/N: 41Z1-UP

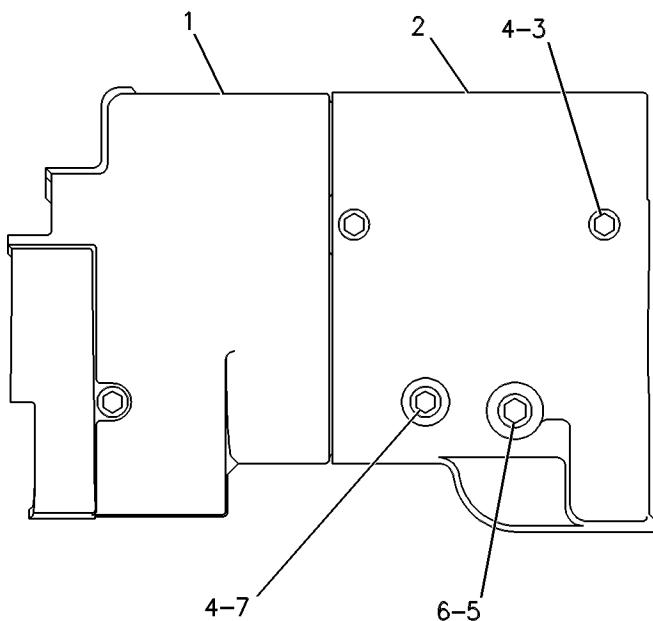
PART OF 111-0592, 111-0594 ENGINE AR  
AN ATTACHMENT

SMCS-1801

i01231002

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		106-6389	1	COVER AS-SOUND SUPPRESSION						
2	1		106-6388	1	COVER AS-SOUND SUPPRESSION						
B	3	1	1H-5514	2	BOLT (5/16-18X1.625IN)						
	4	1	3E-4352	4	WASHER-HARD (2.5MM THK)						
	5	1	3B-1915	1	BOLT (3/8-16X1.375IN)						
	6	1	9L-9132	1	WASHER (2.5MM THK)						
	7	1	1H-5514	2	BOLT (5/16-18X1.625IN)						

B-USE AS REQUIRED



GRAPHIC #1

g00249584

# BASIC ENGINE

## 107-7375 COVER GP-SOUND SUPPRESSION

S/N: 41Z1-UP

PART OF 111-0592, 111-0594 ENGINE AR  
AN ATTACHMENT

SMCS-1801

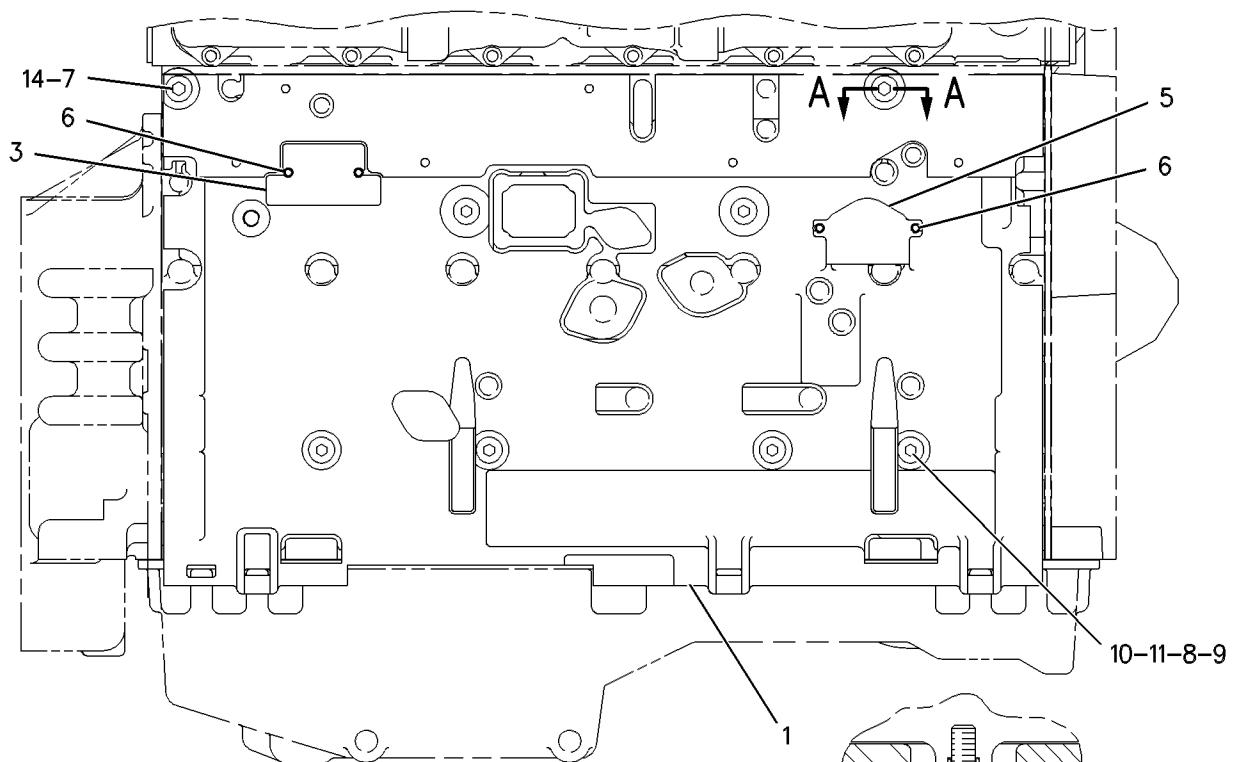
i01231013

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		152-8806	1	PANEL AS-SOUND SUPPRESSION						
2	1		153-3287	1	PANEL AS-SOUND SUPPRESSION						
3	1		107-7365	1	COVER AS						
4	1		5P-8247	2	WASHER-HARD (3.5MM THK)						
5	1		107-7371	1	COVER AS-UPPER						
6	1		5P-7921	4	SCREW-WASHER HEAD						
7	1		0L-1351	2	BOLT (3/8-16X.875IN)						
8	1		1P-7115	11	GROMMET AS						
9	1		2D-6416	11	WASHER (0.119MM THK)						
10	1		1B-7182	6	BOLT (5/16-18X1.25IN)						
11	1		9M-1974	11	WASHER-HARD (2MM THK)						
12	1		1B-2790	5	BOLT (5/16-18X1.375IN)						
13	1		5B-0841	2	BOLT (5/8-18X1.75IN)						
14	1		5M-2894	2	WASHER (2.5MM THK)						

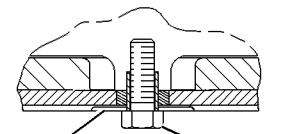
# BASIC ENGINE

107-7375 COVER GP - SOUND SUPPRESSION (contd.)

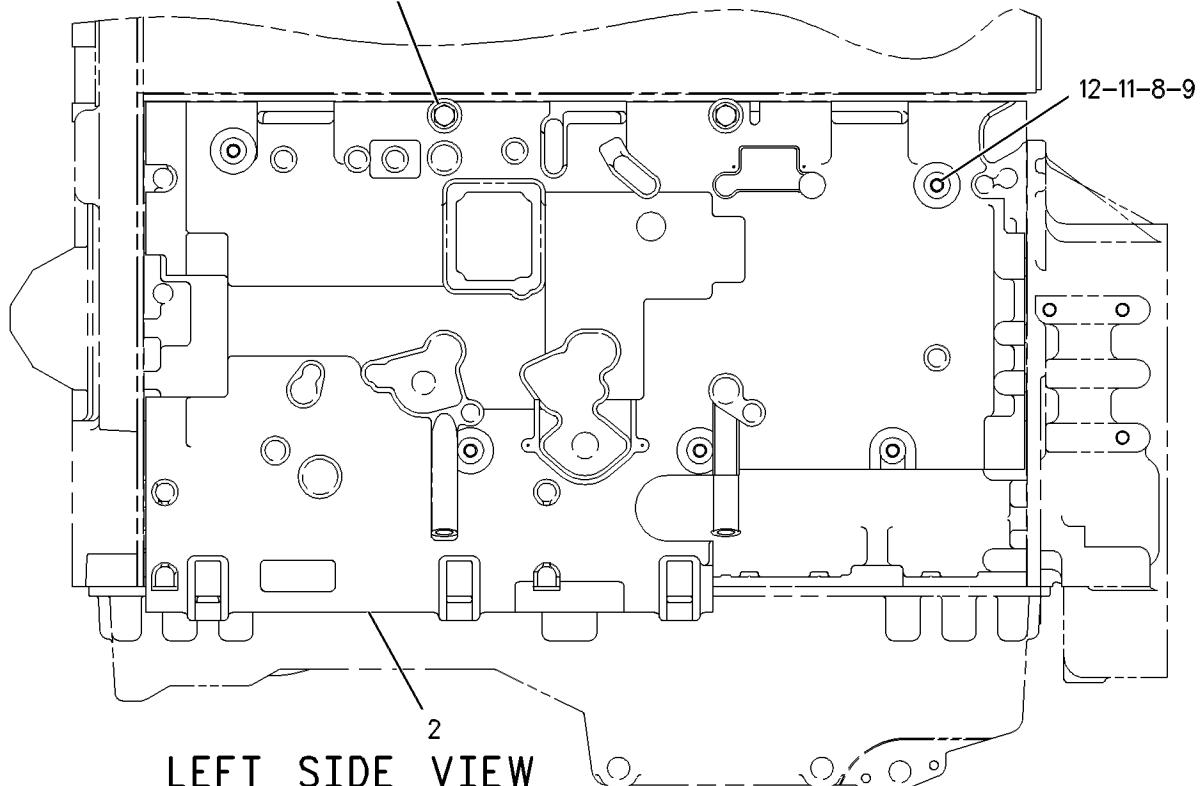
i01231013



RIGHT SIDE VIEW



SECTION A-A



LEFT SIDE VIEW

GRAPHIC #1

g00394837

# BASIC ENGINE

## 7N-4467 COVER GP - VALVE MECHANISM

S/N: 41Z1-UP

PART OF 105-9697, 111-0592 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1107, 1120

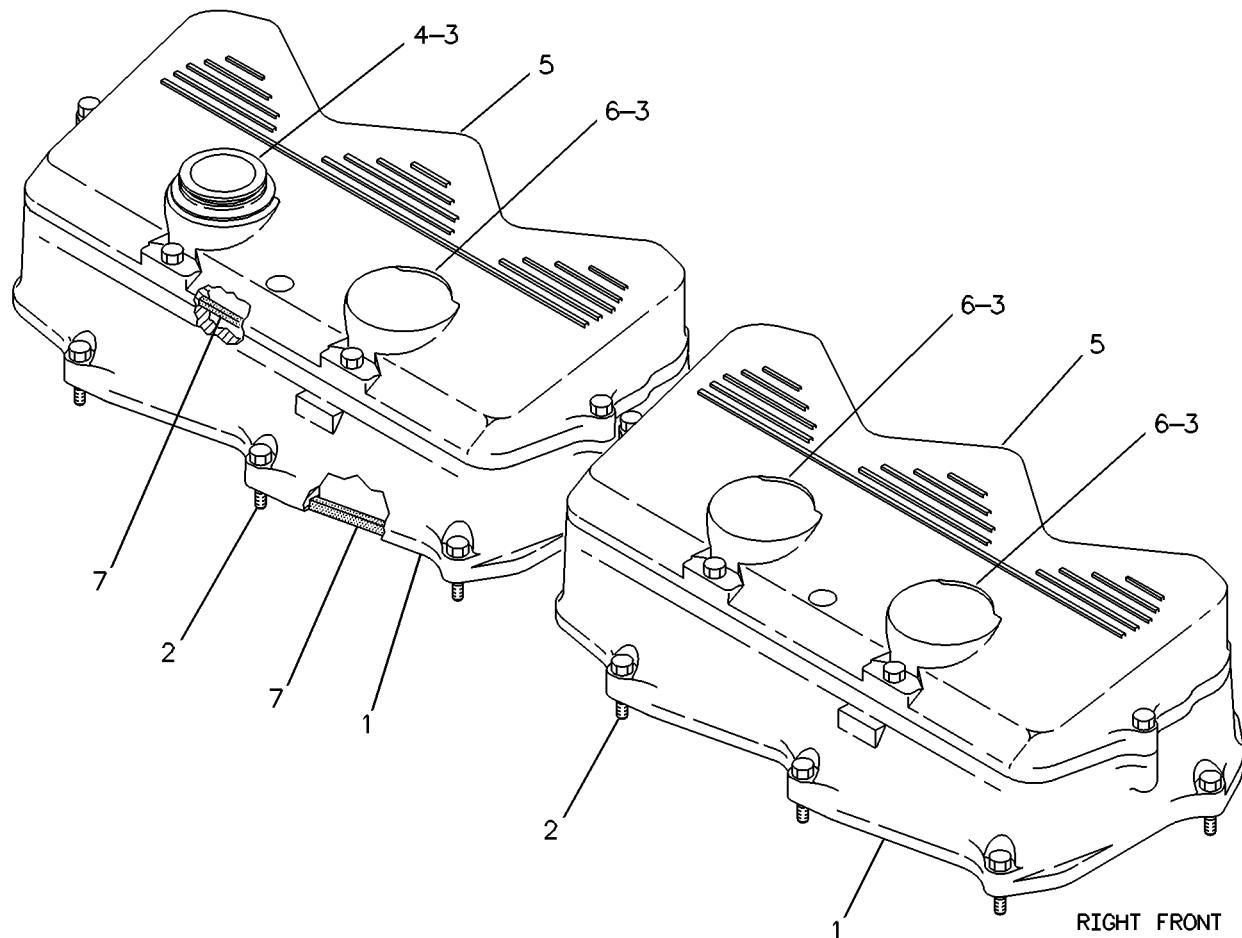
i01067832

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
C	1	1	7E-0329	2	BASE						
	2	1	9L-8925	26	BOLT (5/16-18X1.25IN)						
C	3	1	8C-5196	4	SEAL-O-RING (53.64MM ID)						
	4	1	7C-6514	1	ADAPTER						
C	5	1	7E-0330	2	COVER						
C	6	1	7C-9621	3	PLUG						
BD	7	1	5P-5678		SEAL						

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

D-ORDER BY THE METER



GRAPHIC #1

g00118718

# BASIC ENGINE

## 7W-7353 COVER GP - VALVE MECHANISM

S/N: 41Z1-UP

PART OF 111-0593, 111-0594 ENGINE AR  
AN ATTACHMENT

SMCS-1107, 1120

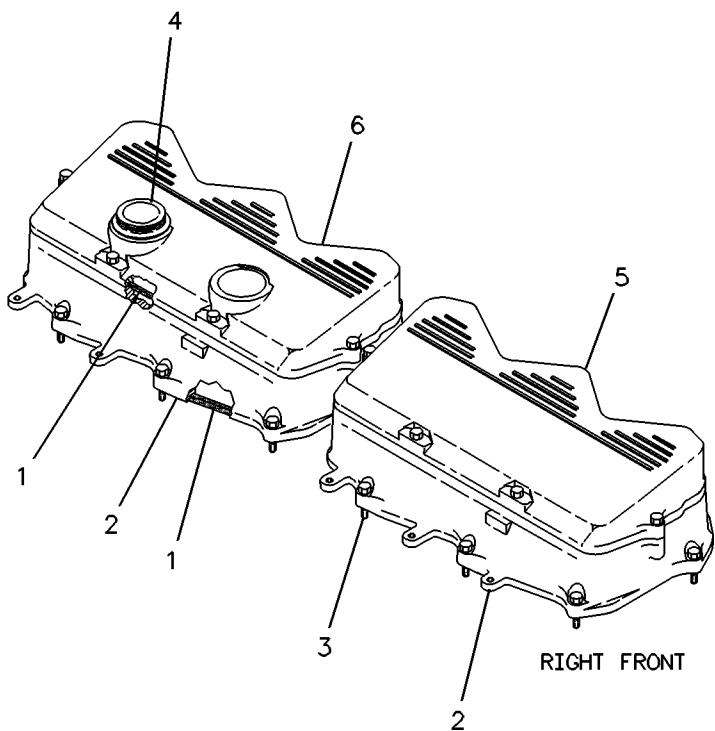
i00149015

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
BD	1	1	5P-5678		SEAL						
	2	1	7W-7352	2	BASE-ARM COVER						
	3	1	9L-8925	26	BOLT (5/16-18X1.25IN)						
C	4	1	7C-6514	1	ADAPTER						
C		1	8C-5196	1	SEAL -O-RING						
C	5	1	4N-4537	1	COVER-ROCKER ARM						
C	6	1	7C-9669	1	COVER-ARMATURE						

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

D-ORDER BY THE METER



GRAPHIC #1

g00111027

# BASIC ENGINE

## 4N-0741 CRANKSHAFT GP

S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

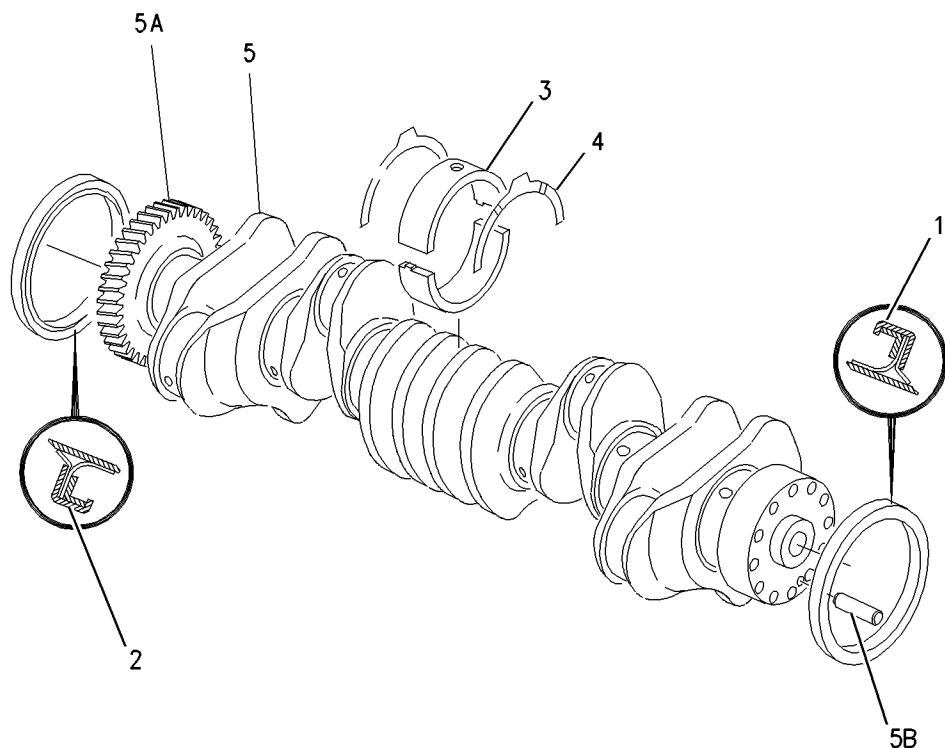
SMCS-1202, 1203, 1204, 1230, 1231, 1232

i01502183

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		2W-1734	1	SEAL GP-CRANKSHAFT						
2	1		2W-1733	1	SEAL GP-CRANKSHAFT						
3	1		4W-5492	7	BEARING-MAIN (STANDARD)						
A	1		4W-5698	7	BEARING-MAIN (.025IN US)						
A	1		4W-5699	7	BEARING-MAIN (.050IN US)						
A	1		4W-5700	7	BEARING-MAIN (.025IN OS)						
A	1		4W-5701	7	BEARING-MAIN (.025IN US, .025IN OS)						
4	1		7E-9262	2	PLATE-THRUST						
R	5		6I-1453	1	CRANKSHAFT AS						
5A	1		1W-9302	1	GEAR-CRANKSHAFT (80 TEETH)						
	1		7S-5005	1	DOWEL						
5B	1		4N-0684	1	DOWEL						

A-NOT PART OF THIS GROUP

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1

g00725396

# BASIC ENGINE

## 202-1257 CYLINDER BLOCK AS

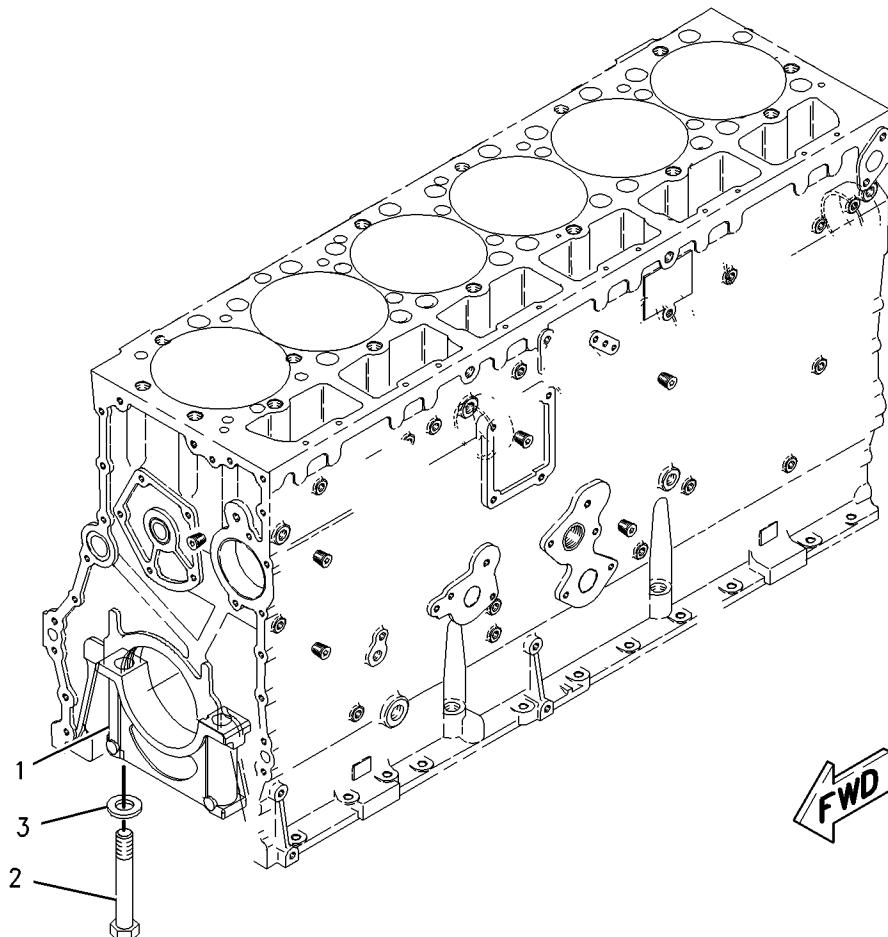
S/N: 41Z19817-UP

PART OF 152-7642 CYLINDER BLOCK GP

SMCS-1117, 1201, 1211, 1216, 1217, 1221, 1222, 1223,  
1224, 1238, 1239, 1240, 1331

i01625640

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
					1	2	3	4	5	6	
1	1		167-8081	7	CAP - CRANKSHAFT BEARING						
2	1		167-8083	14	BOLT						
3	1		9H-1031	14	WASHER-HARD (24X41.5X6MM THK)						



GRAPHIC #1

g00816962

# BASIC ENGINE

## 7E-4697 CYLINDER BLOCK GP\*R

S/N: 41Z1-7196, 7198-7269

PART OF 105-9697 ENGINE AR

FIELD REPLACEMENT ORDER 108-3916-PAGE 44

SMCS-1201

i01198612

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7E-3632	6	TUBE AS-OIL JET						
C	2	1	8T-6757	3	PLUG-PIPE (1/8-27 NPTF)						
	3	1	7W-6534	1	PLUG-PIPE (3/8-18 NPTF THD)						
	4	1	9S-8009	1	PLUG-O-RING (1 3/16-12 THD)						
C	5	1	8T-6763	3	PLUG-PIPE (1/4-18 NPTF THD)						
	6	1	1S-9540	2	DOWEL (30.23 MM X 9.37 MM)						
	7	1	3S-5496	2	SEAL-O-RING (9.53MM ID)						
C	8	1	7W-6492	1	PLUG-PIPE (1/2-14 NPTF THD)						
	9	1	030-7571	4	BOLT (3/8-16X1.0IN)						
	10	1	4W-8585	1	COVER						
	11	1	7W-6081	1	GASKET						
	12	1	9X-7378	1	SEAL-O-RING (8.92MM ID)						
	13	1	4N-0683	4	DOWEL						
	14	1	4N-1650	2	DOWEL						
C	15	1	6I-2981	1	PLATE-BLOCK						
C	16	1	6I-4024	1	GASKET-PLATE						
	17	1	8S-9094	1	PLUG-ORIFICE						
B	18	1	9S-4190	2	PLUG-O-RING (7/16-20 THD)						
B	19	1	114-4427	2	SEAL-O-RING (19.18MM ID)						
C	20	1	7X-7732	6	PLUG-PIPE (3/8-18 NPTF THD)						
	21	1	7E-6479	6	BOLT-OIL JET						
	22	1	4N-0685	6	BEARING-SLEEVE (1.00IN. WIDTH)						
	23	1	4N-6658	1	BEARING-SLEEVE (1.30IN. WIDTH)						
C	24	1	8T-6764	1	PLUG-PIPE (1/8-27 NPTF THD)						
	25	1	108-3913	1	CYLINDER BLOCK AS						
	26	1	9L-5854	6	BAND-FILLER (5.125MM ID)						
	27	1	110-2220	6	SEAL-LINER (141MM ID)						
27A	1	142-7072	6	SEAL-LINER (140.20MM ID)							
27B	1	142-6217	6	SEAL-LINER (140.20MM ID)							
	28	1	3P-1323	14	BOLT						
	29	1	9H-1031	14	WASHER-HARD (6.0MM THK)						
	30	1	2W-6000	6	LINER-CYLINDER						
	31	1	4N-5857	7	CAP						
	32	1	119-5155	1	SEAL-O-RING (26.59MM ID)						
	33	1	100-7399	2	PLUG						
	34	1	3E-6747	2	SEAL-O-RING (32.99MM ID)						
	35	1	9S-4182	1	PLUG (7/16-20 THD)						
FA	1	101-0523	6		INSERT-LINER SEAT (5.21MM THK) (0.05MM US)						

A-NOT PART OF THIS GROUP

B-USE AS REQUIRED

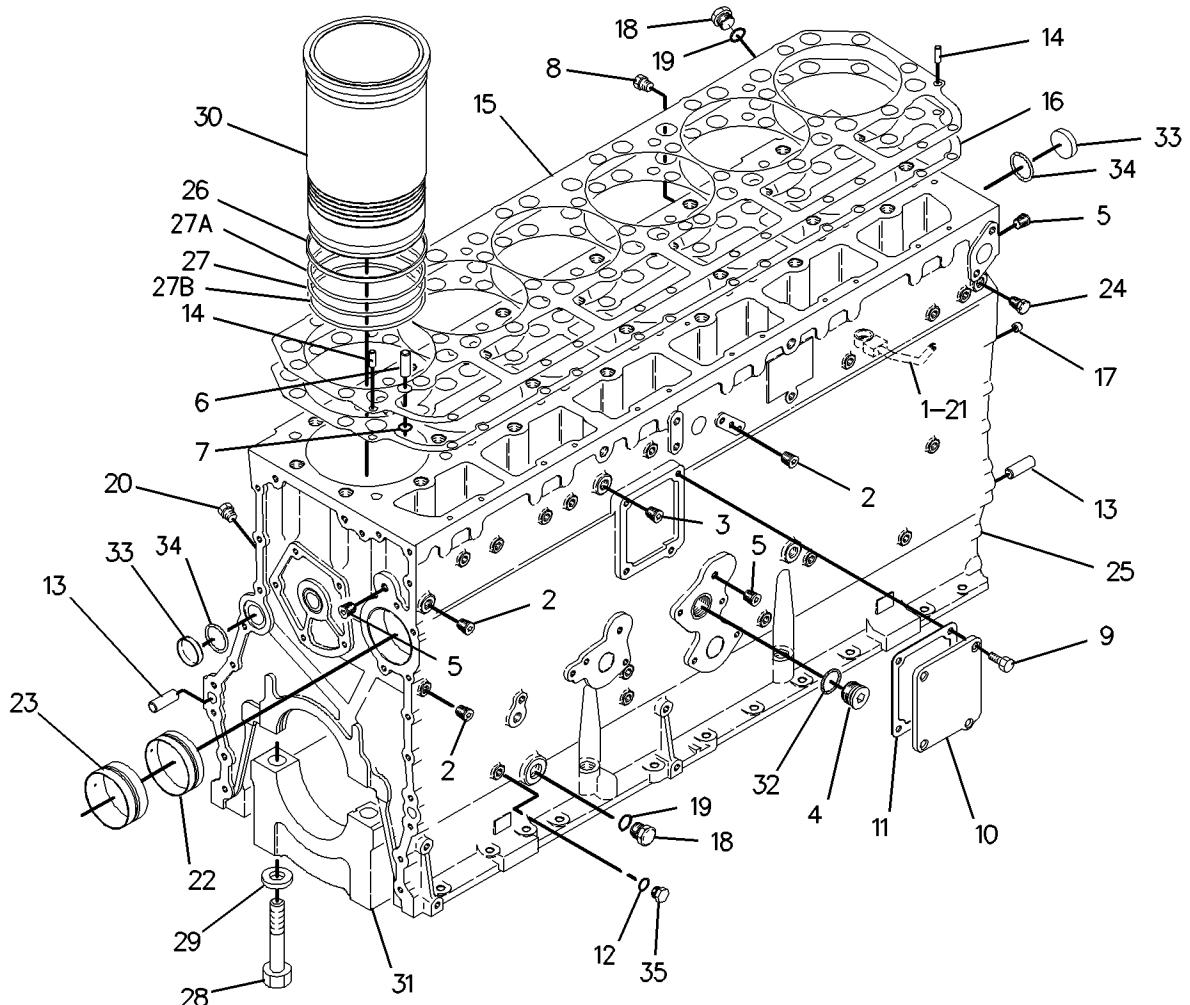
C-CHANGE FROM PREVIOUS TYPE

F-NOT SHOWN

# BASIC ENGINE

7E-4697 CYLINDER BLOCK GP (*contd.*)

i01198612



GRAPHIC #1

g00641070

# BASIC ENGINE

## 7E-4697 CYLINDER BLOCK GP\*R

S/N: 41Z20592-UP

PART OF 111-0594 ENGINE AR

FIELD REPLACEMENT ORDER 108-3916-PAGE 44  
AN ATTACHMENT

SMCS-1201

i00987841

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
C	1	1	151-5928	6	TUBE AS-OIL JET						
	2	1	8T-6757	3	PLUG-PIPE (1/8-27 NPTF THD)						
	3	1	7W-6534	1	PLUG-PIPE (3/8-18 NPTF THD)						
	4	1	9S-8009	1	PLUG-O-RING (1 3/16-12 THD)						
	5	1	8T-6763	3	PLUG-PIPE (1/4-18 NPTF THD)						
	6	1	1S-9540	2	DOWEL (30.23 MM X 9.37 MM)						
	7	1	3S-5496	2	SEAL-O-RING (9.53MM ID)						
	8	1	7W-6492	1	PLUG-PIPE (1/2-14 NPTF THD)						
	9	1	030-7571	4	BOLT (3/8-16X1.0IN)						
	10	1	4W-8585	1	COVER						
	11	1	7W-6081	1	GASKET						
	12	1	9X-7378	1	SEAL-O-RING (8.92MM ID)						
	13	1	4N-0683	4	DOWEL						
	14	1	4N-1650	2	DOWEL						
	15	1	6I-2981	1	PLATE-BLOCK						
	16	1	6I-4024	1	GASKET-PLATE						
	17	1	8S-9094	1	PLUG-ORIFICE						
B	18	1	9S-4190	2	PLUG-O-RING (7/16-20 THD)						
B	19	1	114-4427	2	SEAL-O-RING (19.18MM ID)						
	20	1	7X-7732	6	PLUG-PIPE (3/8-18 NPTF THD)						
C	21	1	151-5925	6	BOLT-OIL JET						
	22	1	4N-0685	6	BEARING-SLEEVE (1.00IN. WIDTH)						
	23	1	4N-6658	1	BEARING-SLEEVE (1.30IN. WIDTH)						
	24	1	8T-6764	1	PLUG-PIPE (1/8-27 NPTF THD)						
CY	25	1	152-7646	1	CYLINDER BLOCK GP						51
	26	1	119-5155	1	SEAL-O-RING (26.59MM ID)						
	27	1	100-7399	2	PLUG						
	28	1	3E-6747	2	SEAL-O-RING (32.99MM ID)						
	29	1	9S-4182	1	PLUG (7/16-20 THD)						
FA		1	101-0523	6	INSERT-LINER SEAT (0.05MM US)						

A-NOT PART OF THIS GROUP

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

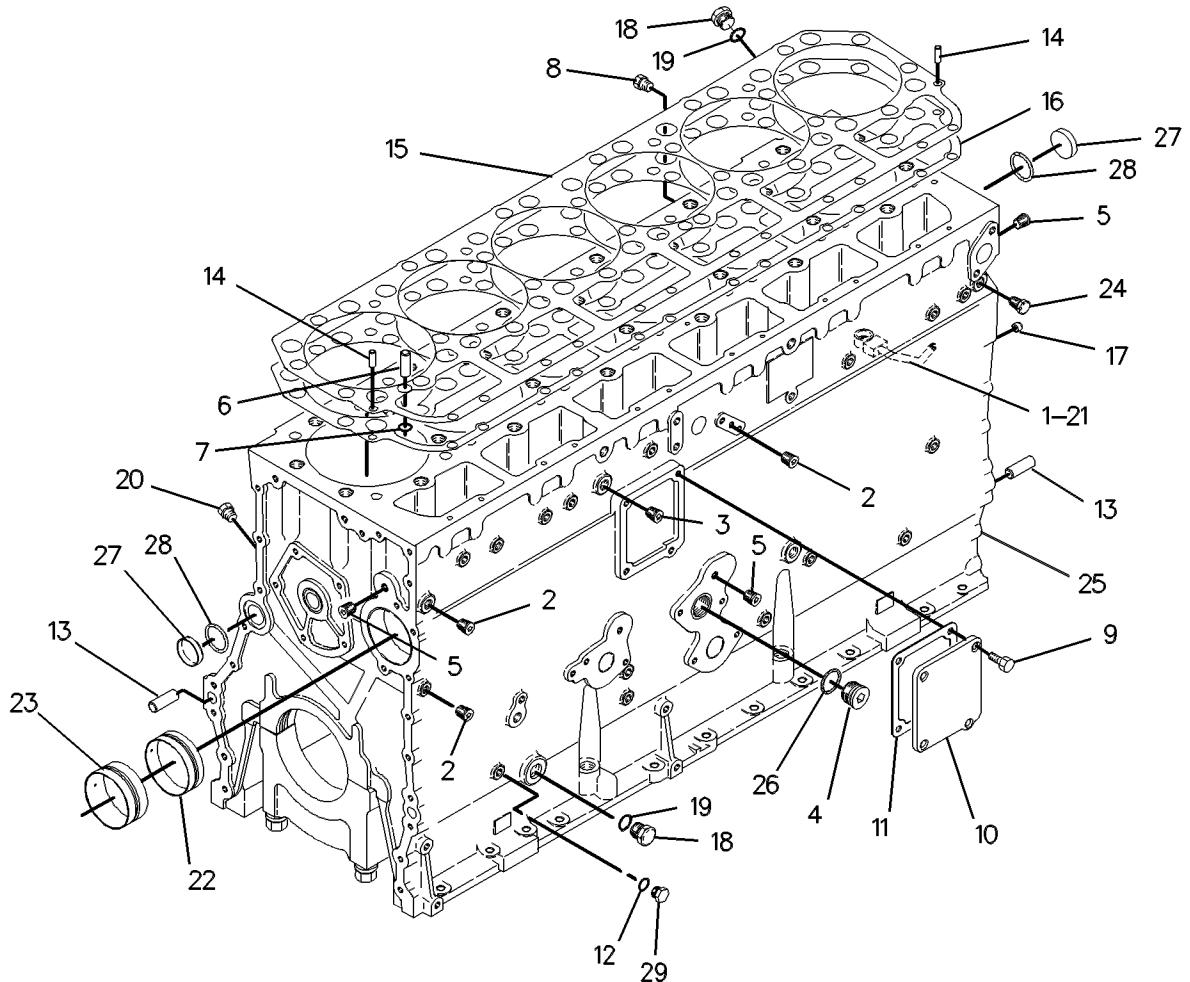
F-NOT SHOWN

Y-SEPARATE ILLUSTRATION

# **BASIC ENGINE**

## **7E - 4697 CYLINDER BLOCK GP (contd.)**

i00987841



## GRAPHIC #1

g00336273

# BASIC ENGINE

## 108-3916 CYLINDER BLOCK GP

S/N: 41Z1-8064

SMCS-1201

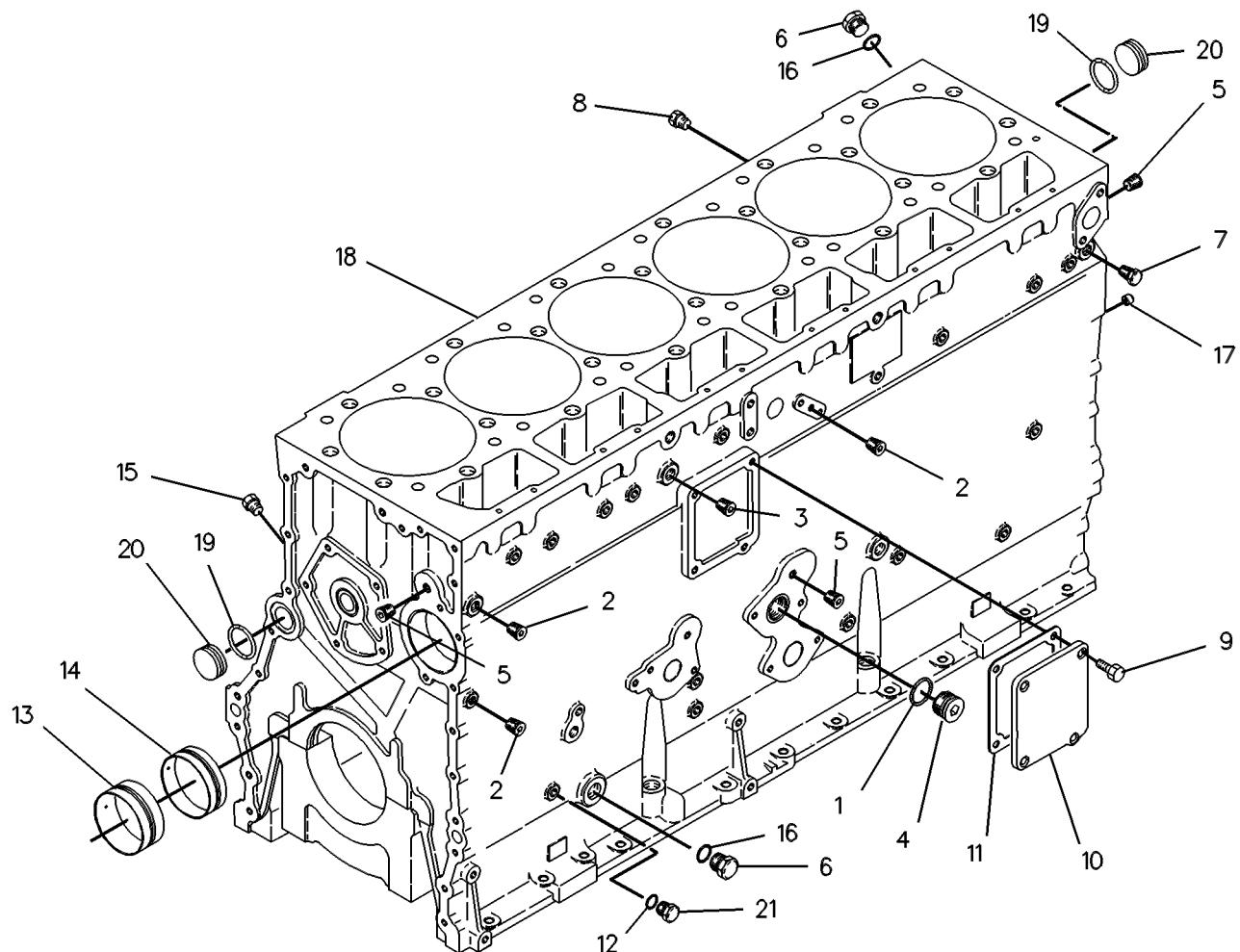
i01066240

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6		
1	1		119-5155	1	SEAL-O-RING (26.59MM ID)							
2	1		8T-6757	3	PLUG-PIPE (1/8-27 NPTF)							
3	1		7W-6534	1	PLUG-PIPE (3/8-18 NPTF THD)							
4	1		9S-8009	3	PLUG-O-RING (1 3/16-12 THD)							
5	1		8T-6763	3	PLUG-PIPE (1/4-18 NPTF THD)							
6	1		9S-4190	2	PLUG-O-RING (7/16-20 THD)							
7	1		8T-6764	1	PLUG-PIPE (1/8-27 NPTF THD)							
8	1		7W-6492	1	PLUG-PIPE (1/2-14 NPTF THD)							
9	1		030-7571	4	BOLT (3/8-16X1.0IN)							
10	1		4W-8585	1	COVER							
11	1		7W-6081	1	GASKET							
12	1		9X-7378	1	SEAL-O-RING (8.92MM ID)							
13	1		4N-6658	1	BEARING-SLEEVE (1.30IN. WIDTH)							
14	1		4N-0685	6	BEARING-SLEEVE (1.00IN. WIDTH)							
15	1		7X-7732	6	PLUG-PIPE (3/8-18 NPTF THD)							
16	1		114-4427	2	SEAL-O-RING (19.18MM ID)							
17	1		8S-9094	1	PLUG-ORIFICE							
18	1		108-3914	1	CYLINDER BLOCK AS							
19	1		3E-6747	2	SEAL-O-RING (32.99MM ID)							
20	1		100-7399	2	PLUG							
21	1		9S-4182	1	PLUG (7/16-20 THD)							

# **BASIC ENGINE**

**108-3916 CYLINDER BLOCK GP (contd.)**

i01066240



## GRAPHIC #1

g00291663

# BASIC ENGINE

## 152-7642 CYLINDER BLOCK GP

S/N: 41Z8065-19816

SMCS-1201

i01611707

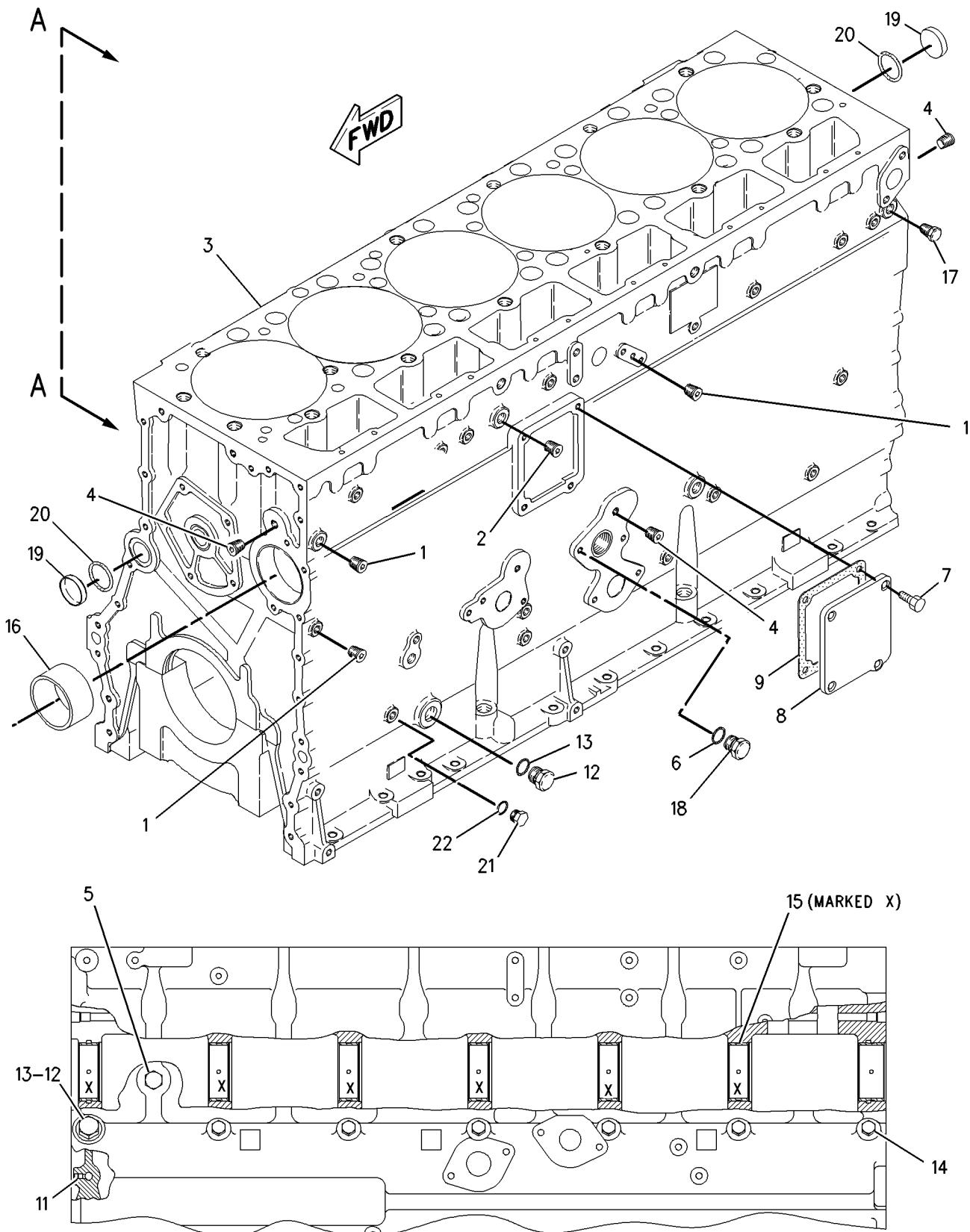
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
	1	1	8T-6757	3	PLUG-PIPE						
	2	1	7W-6534	1	PLUG-PIPE (3/8X1/2)						
Y	3	1	152-7644	1	CYLINDER BLOCK GP						50
	4	1	8T-6763	3	PLUG-PIPE						
	5	1	7W-6492	1	PLUG-PIPE						
	6	1	119-5155	1	SEAL-O-RING						
	7	1	030-7571	4	BOLT (3/8-16X1 IN)						
	8	1	4W-8585	1	COVER						
	9	1	7W-6081	1	GASKET						
	11	1	8S-9094	1	PLUG-ORIFICE						
	12	1	9S-4190	2	PLUG-O-RING						
	13	1	114-4427	2	SEAL-O-RING						
	14	1	8T-6767	6	PLUG-PIPE						
	15	1	4N-0685	6	BEARING-SLEEVE						
	16	1	4N-6658	1	BEARING-SLEEVE						
	17	1	8T-6764	1	PLUG-PIPE						
	18	1	9S-8009	1	PLUG-O-RING						
	19	1	100-7399	2	PLUG						
	20	1	3E-6747	2	SEAL-O-RING						
	21	1	9S-4182	1	PLUG-O-RING						
	22	1	9X-7378	1	SEAL-O-RING						

Y - SEPARATE ILLUSTRATION

# **BASIC ENGINE**

## **152-7642 CYLINDER BLOCK GP (*contd.*)**

i01611707



VIEW A-A

## GRAPHIC #1

g00834239

# BASIC ENGINE

## 152-7642 CYLINDER BLOCK GP

S/N: 41Z19817-UP

SMCS-1201

i01625685

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
	1	1	8T-6757	3	PLUG-PIPE						
	2	1	7W-6534	1	PLUG-PIPE (3/8X1/2)						
CY	3	1	202-1257	1	CYLINDER BLOCK AS						39
	4	1	8T-6763	3	PLUG-PIPE						
	5	1	7W-6492	1	PLUG-PIPE						
	6	1	119-5155	1	SEAL-O-RING						
	7	1	030-7571	4	BOLT (3/8-16X1 IN)						
	8	1	4W-8585	1	COVER						
	9	1	7W-6081	1	GASKET						
	11	1	8S-9094	1	PLUG-ORIFICE						
	12	1	9S-4190	2	PLUG-O-RING						
	13	1	114-4427	2	SEAL-O-RING						
	14	1	8T-6767	6	PLUG-PIPE						
	15	1	4N-0685	6	BEARING-SLEEVE						
	16	1	4N-6658	1	BEARING-SLEEVE						
	17	1	8T-6764	1	PLUG-PIPE						
	18	1	9S-8009	1	PLUG-O-RING						
	19	1	100-7399	2	PLUG						
	20	1	3E-6747	2	SEAL-O-RING						
	21	1	9S-4182	1	PLUG-O-RING						
	22	1	9X-7378	1	SEAL-O-RING						

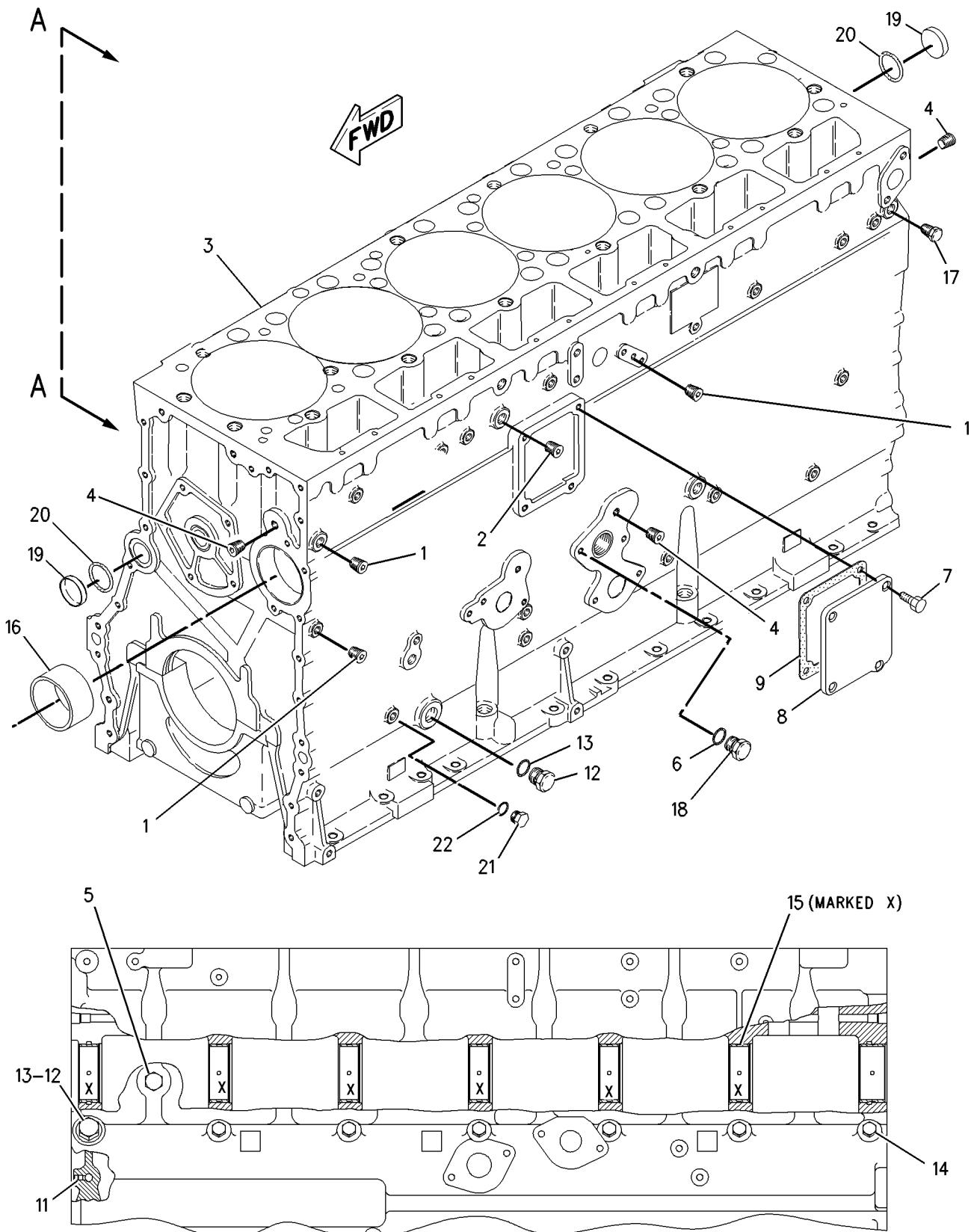
C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION

# **BASIC ENGINE**

## **152-7642 CYLINDER BLOCK GP (*contd.*)**

i01625685



VIEW A-A

## GRAPHIC #1

g00842330

# BASIC ENGINE

## 152-7644 CYLINDER BLOCK GP

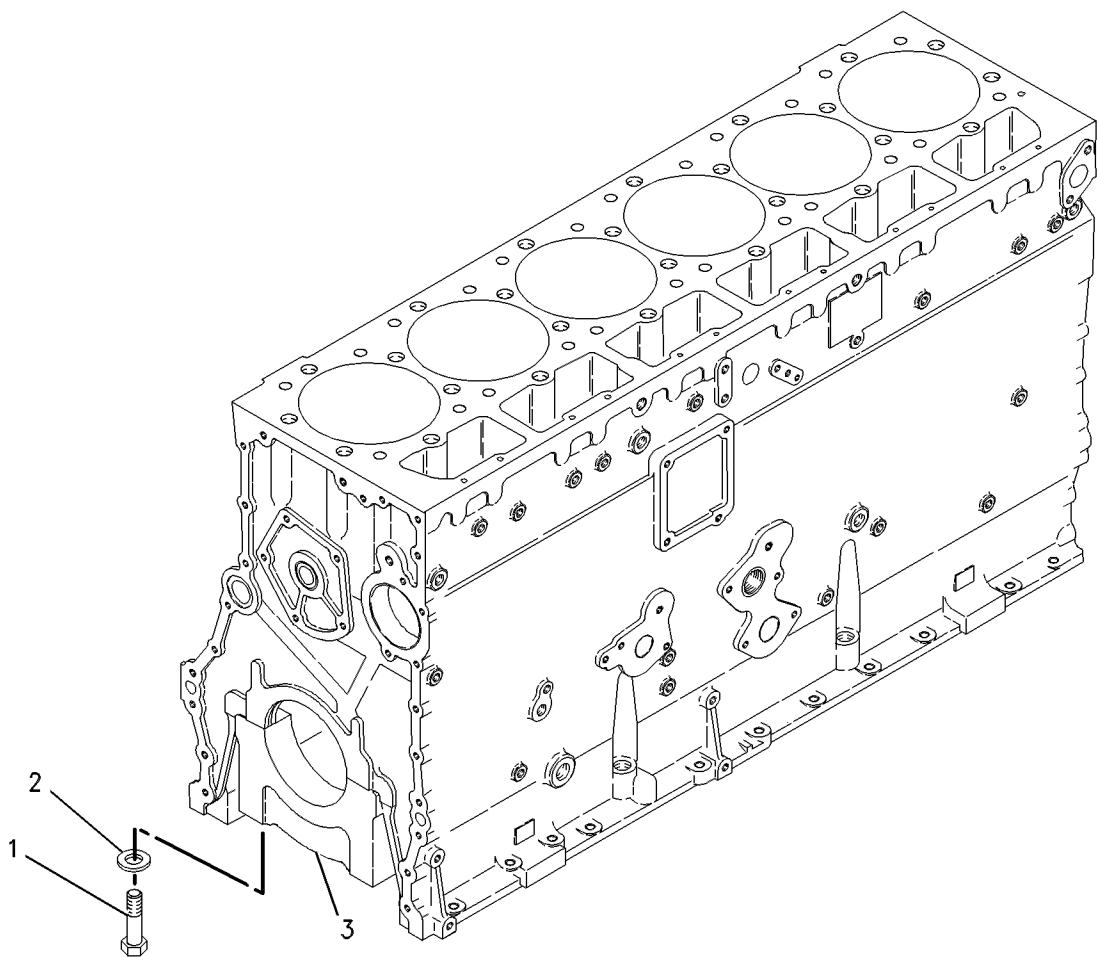
S/N: 41Z8065-19816

PART OF 152-7642 CYLINDER BLOCK GP

SMCS-1201

i00753702

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		3P-1323	14	BOLT-BEARING CAP (7/8-14X7.75IN)						
2	1		9H-1031	14	WASHER-HARD (6.0MM THK)						
3	1		4N-0795	7	CAP-CRANKSHAFT BEARING						



GRAPHIC #1

g00328091

# BASIC ENGINE

## 152-7646 CYLINDER BLOCK GP

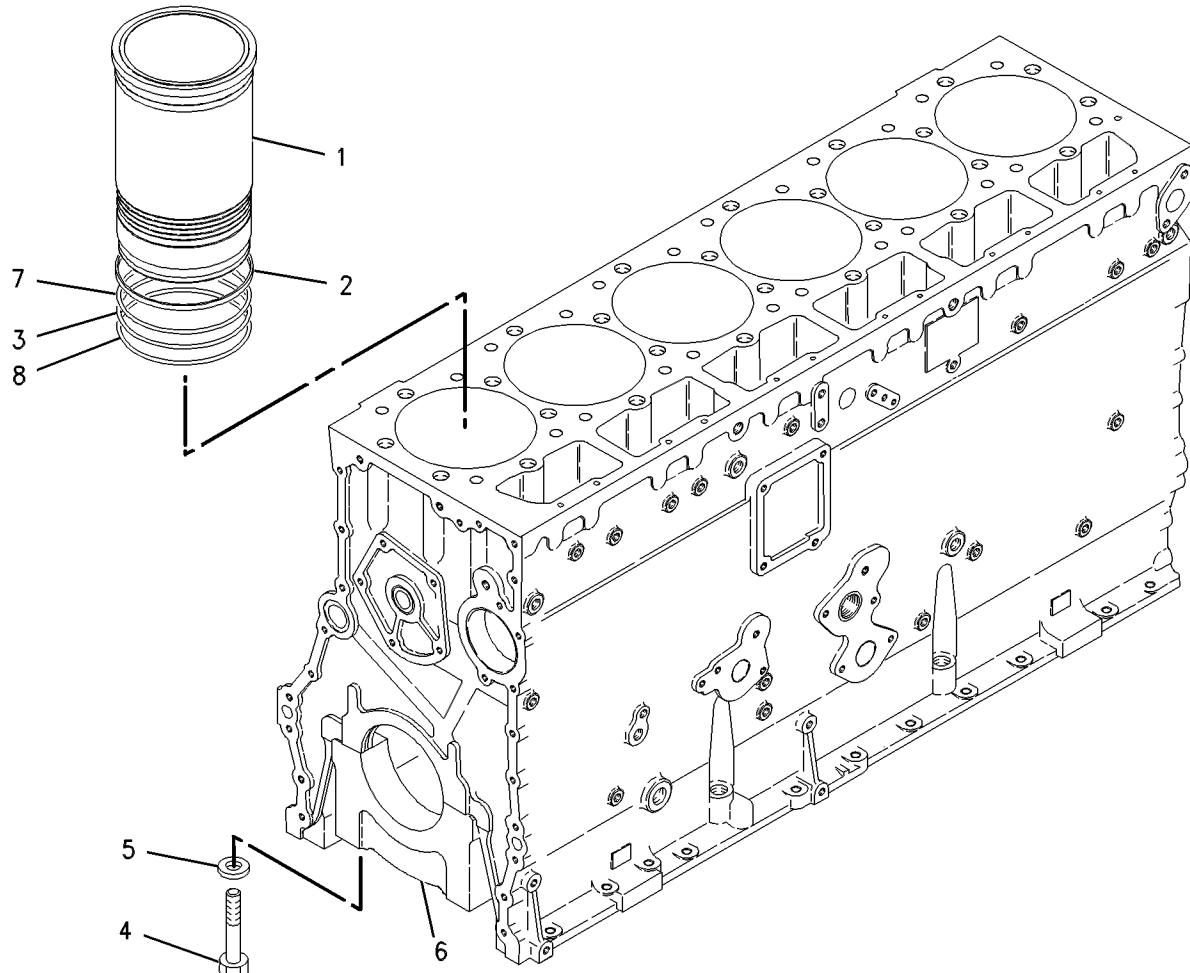
S/N: 41Z8065-UP

PART OF 152-9153, 7E-4697 CYLINDER BLOCK GP  
ALSO AN ATTACHMENT

SMCS-1201

i01023367

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		2W-6000	6	LINER-CYLINDER						
2	1		9L-5854	6	BAND-FILLER (5.125MM ID)						
3	1		110-2220	6	SEAL-LINER (141MM ID)						
4	1		3P-1323	14	BOLT (7/8-14X7.75IN)						
5	1		9H-1031	14	WASHER-HARD (6.0MM THK)						
6	1		4N-5857	7	CAP (MAIN BEARING)						
7	1		142-7072	6	SEAL-LINER (140.20MM ID)						
8	1		142-6217	6	SEAL-LINER (140.20MM ID)						



GRAPHIC #1

g00519629

# BASIC ENGINE

## 152-9153 CYLINDER BLOCK GP

S/N: 41Z7270-8064  
PART OF 105-9697 ENGINE AR

SMCS-1201

i01198568

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
	1	1	7E-3632	6	TUBE AS-OIL JET							
C	2	1	8T-6757	3	PLUG-PIPE (1/8-27 NPTF)							
	3	1	7W-6534	1	PLUG-PIPE (3/8-18 NPTF THD)							
	4	1	9S-8009	1	PLUG-O-RING (1 3/16-12 THD)							
C	5	1	8T-6763	3	PLUG-PIPE (1/4-18 NPTF THD)							
	6	1	1S-9540	2	DOWEL (30.23 MM X 9.37 MM)							
	7	1	3S-5496	2	SEAL-O-RING (9.53MM ID)							
C	8	1	7W-6492	1	PLUG-PIPE (1/2-14 NPTF THD)							
	9	1	030-7571	4	BOLT (3/8-16X1.0IN)							
	10	1	4W-8585	1	COVER							
	11	1	7W-6081	1	GASKET							
	12	1	9X-7378	1	SEAL-O-RING (8.92MM ID)							
	13	1	4N-0683	4	DOWEL							
	14	1	4N-1650	2	DOWEL							
C	15	1	6I-2981	1	PLATE-BLOCK							
C	16	1	6I-4024	1	GASKET-PLATE							
	17	1	8S-9094	1	PLUG-ORIFICE							
B	18	1	9S-4190	2	PLUG-O-RING (7/16-20 THD)							
B	19	1	114-4427	2	SEAL-O-RING (19.18MM ID)							
C	20	1	7X-7732	6	PLUG-PIPE (3/8-18 NPTF THD)							
	21	1	150-1156	6	BOLT-OIL JET							
	22	1	4N-0685	6	BEARING-SLEEVE (1.00IN. WIDTH)							
	23	1	4N-6658	1	BEARING-SLEEVE (1.30IN. WIDTH)							
C	24	1	8T-6764	1	PLUG-PIPE (1/8-27 NPTF THD)							
	25	1	108-3913	1	CYLINDER BLOCK AS							
	26	1	9L-5854	6	BAND-FILLER (5.125MM ID)							
	27	1	110-2220	6	SEAL-LINER (141MM ID)							
27A	1		142-7072	6	SEAL-LINER (140.20MM ID)							
27B	1		142-6217	6	SEAL-LINER (140.20MM ID)							
	28	1	3P-1323	14	BOLT							
	29	1	9H-1031	14	WASHER-HARD (6.0MM THK)							
	30	1	2W-6000	6	LINER-CYLINDER							
	31	1	4N-0795	7	CAP-CRANKSHAFT BEARING							
	32	1	119-5155	1	SEAL-O-RING (26.59MM ID)							
	33	1	100-7399	2	PLUG							
	34	1	3E-6747	2	SEAL-O-RING (32.99MM ID)							
	35	1	9S-4182	1	PLUG (7/16-20 THD)							
FA	1		101-0523	6	INSERT-LINER SEAT (5.21MM THK) (0.05MM US)							

A-NOT PART OF THIS GROUP

B-USE AS REQUIRED

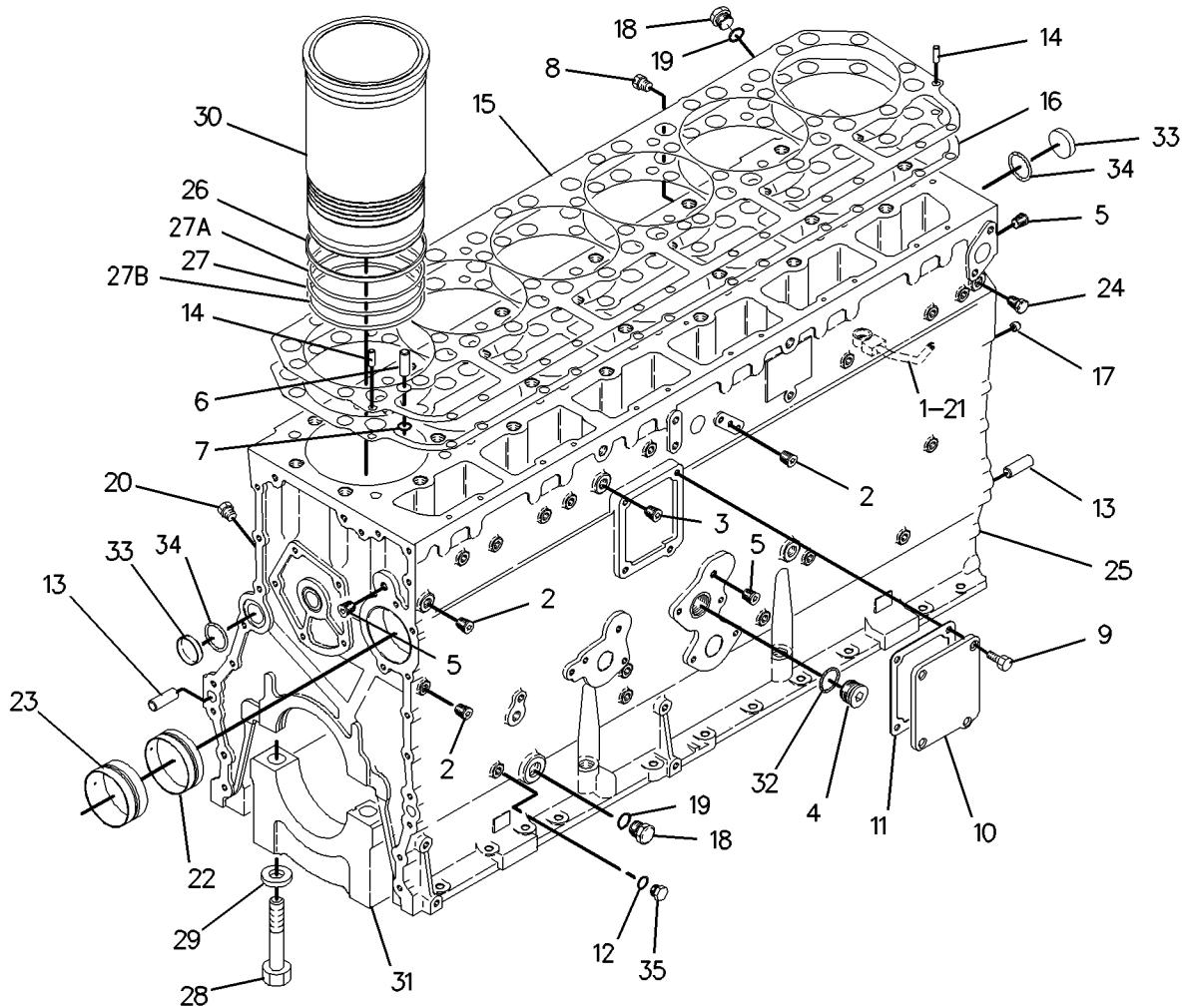
C-CHANGE FROM PREVIOUS TYPE

F-NOT SHOWN

# BASIC ENGINE

152-9153 CYLINDER BLOCK GP (*contd.*)

i01198568



GRAPHIC #1

g00641028

# BASIC ENGINE

## 152-9153 CYLINDER BLOCK GP

S/N: 41Z8065-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1201

i01071727

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
2	1		8T-6757	3	PLUG-PIPE	(1/8-27 NPTF)					
3	1		7W-6534	1	PLUG-PIPE	(3/8-18 NPTF THD)					
4	1		9S-8009	1	PLUG-O-RING	(1 3/16-12 THD)					
5	1		8T-6763	3	PLUG-PIPE	(1/4-18 NPTF THD)					
6	1		1S-9540	2	DOWEL	(30.23 MM X 9.37 MM)					
7	1		3S-5496	2	SEAL-O-RING	(9.53MM ID)					
8	1		7W-6492	1	PLUG-PIPE	(1/2-14 NPTF THD)					
9	1		030-7571	4	BOLT	(3/8-16X1.0IN)					
10	1		4W-8585	1	COVER						
11	1		7W-6081	1	GASKET						
12	1		9X-7378	1	SEAL-O-RING	(8.92MM ID)					
13	1		4N-0683	4	DOWEL						
14	1		4N-1650	2	DOWEL						
15	1		6I-2981	1	PLATE-BLOCK						
16	1		6I-4024	1	GASKET-PLATE						
17	1		8S-9094	1	PLUG-ORIFICE						
B	18	1	9S-4190	2	PLUG-O-RING	(7/16-20 THD)					
B	19	1	114-4427	2	SEAL-O-RING	(19.18MM ID)					
20	1		7X-7732	6	PLUG-PIPE	(3/8-18 NPTF THD)					
22	1		4N-0685	6	BEARING-SLEEVE	(1.00IN. WIDTH)					
23	1		4N-6658	1	BEARING-SLEEVE	(1.30IN. WIDTH)					
24	1		8T-6764	1	PLUG-PIPE	(1/8-27 NPTF THD)					
YC	25	1	152-7646	1	CYLINDER BLOCK GP						51
	26	1	119-5155	1	SEAL-O-RING	(26.59MM ID)					
	27	1	100-7399	2	PLUG						
	28	1	3E-6747	2	SEAL-O-RING	(32.99MM ID)					
	29	1	9S-4182	1	PLUG	(7/16-20 THD)					
FA	1		101-0523	6	INSERT-LINER SEAT	(0.05MM US)					

A-NOT PART OF THIS GROUP

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

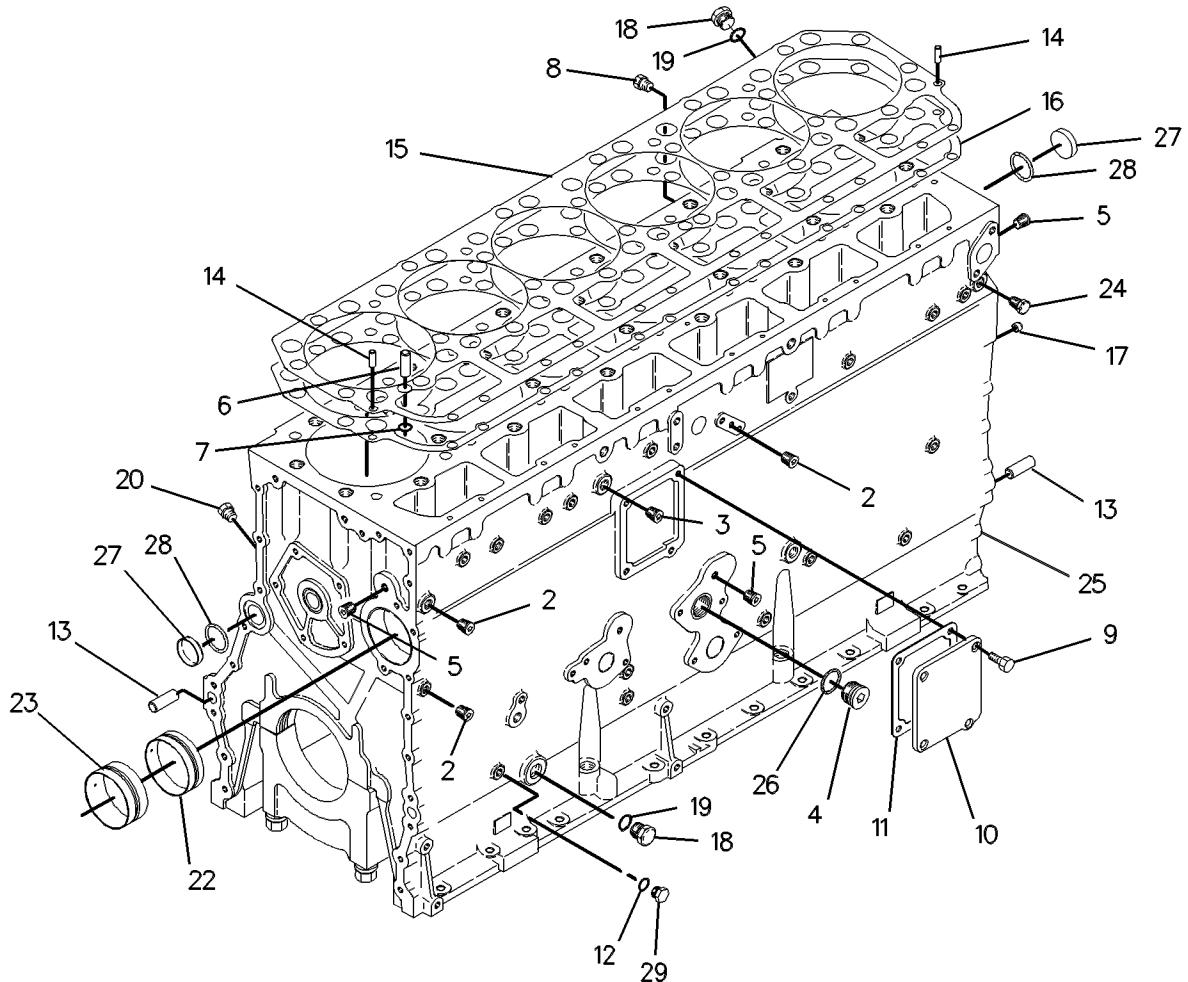
F-NOT SHOWN

Y-SEPARATE ILLUSTRATION

# **BASIC ENGINE**

**152-9153 CYLINDER BLOCK GP (contd.)**

i01071727



## GRAPHIC #1

g00505881

# BASIC ENGINE

## 7W-2203 CYLINDER HEAD GP

S/N: 41Z1-UP

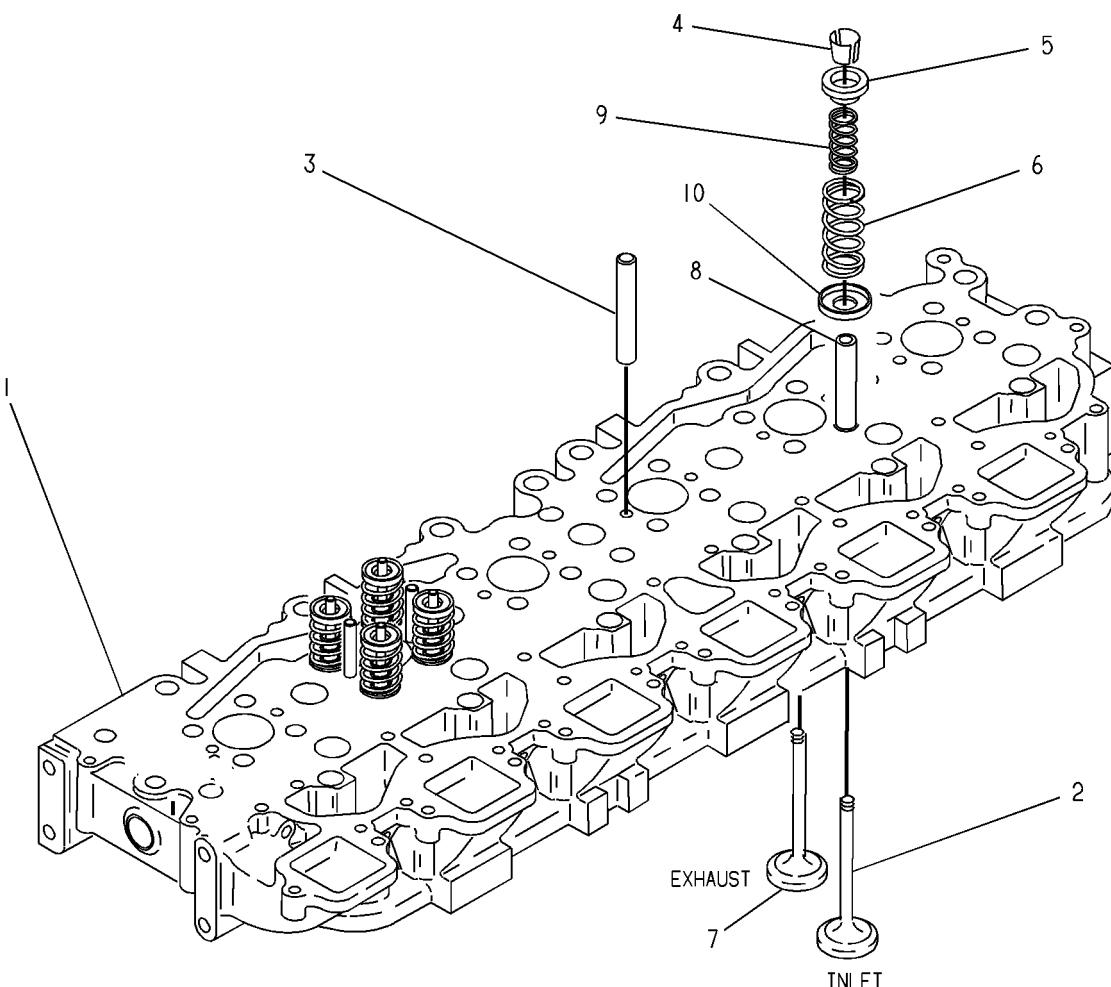
PART OF 110-5095 CYLINDER HEAD GP  
ALSO AN ATTACHMENT

SMCS-1100, 1103, 1104, 1105, 1106, 1108, 1109,  
1115, 1117, 1121, 1124, 1125

i00755883

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	110-5099	1	CYLINDER HEAD GP						61
	2	1	115-2368	12	VALVE-INLET						
	3	1	2N-5775	12	DOWEL						
	4	1	2A-4429	48	LOCK-RETAINER						
	5	1	4W-2474	24	ROTOCOIL AS						
	6	1	4W-2471	24	SPRING-VALVE						
	7	1	115-2367	12	VALVE-EXHAUST						
	8	1	122-7374	24	GUIDE-VALVE						
	9	1	4W-2472	24	SPRING-VALVE						
	10	1	4W-2473	24	WASHER-VALVE SPRING GUIDE						

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00097948

# BASIC ENGINE

## 110-5095 CYLINDER HEAD GP\*R

S/N: 41Z1-20912

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1100, 1103, 1104, 1105, 1106, 1108, 1109,  
1115, 1117, 1121, 1124, 1125

i01066239

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	7W-2203	1	CYLINDER HEAD GP						56
	2	1	3S-5496	2	SEAL-O-RING (9.53MM ID)						
	3	1	100-6920	6	ADAPTER-NOZZLE						
	4	1	8M-5249	6	SEAL-O-RING						
	5	1	4N-7253	6	GASKET-CHAMBER						
	6	1	5F-4899	12	BOLT (3/8-16X5.5IN)						
	7	1	6L-7442	6	STUD-TAPERLOCK (5/16-18X1.08IN)						
	8	1	3E-6772	24	SEAL-WATER						
	9	1	124-1855	20	BOLT-12 POINT HEAD						
	10	1	6I-3066	1	GASKET-CYLINDER HEAD						
	11	1	8T-6767	1	PLUG-PIPE (3/8-18 NPTF THD)						
	12	1	5H-1504	20	WASHER-HARD (5MM THK)						
	13	1	7W-6492	3	PLUG-PIPE (1/2-14 NPTF THD)						
B	14	1	7W-6492	1	PLUG-PIPE (1/2-14 NPTF THD) (USE WITHOUT AIR COMPRESSOR)						
	15	1	4S-6137	1	STUD-TAPERLOCK (3/8-16X3.1IN)						
	16	1	106-1792	11	STUD-TAPERLOCK (3/8-16X3.93IN)						
	17	1	107-5670	6	SLEEVE AS						
AB		1	5P-3931		COMPOUND-ANTI-SEIZE						

A-NOT PART OF THIS GROUP

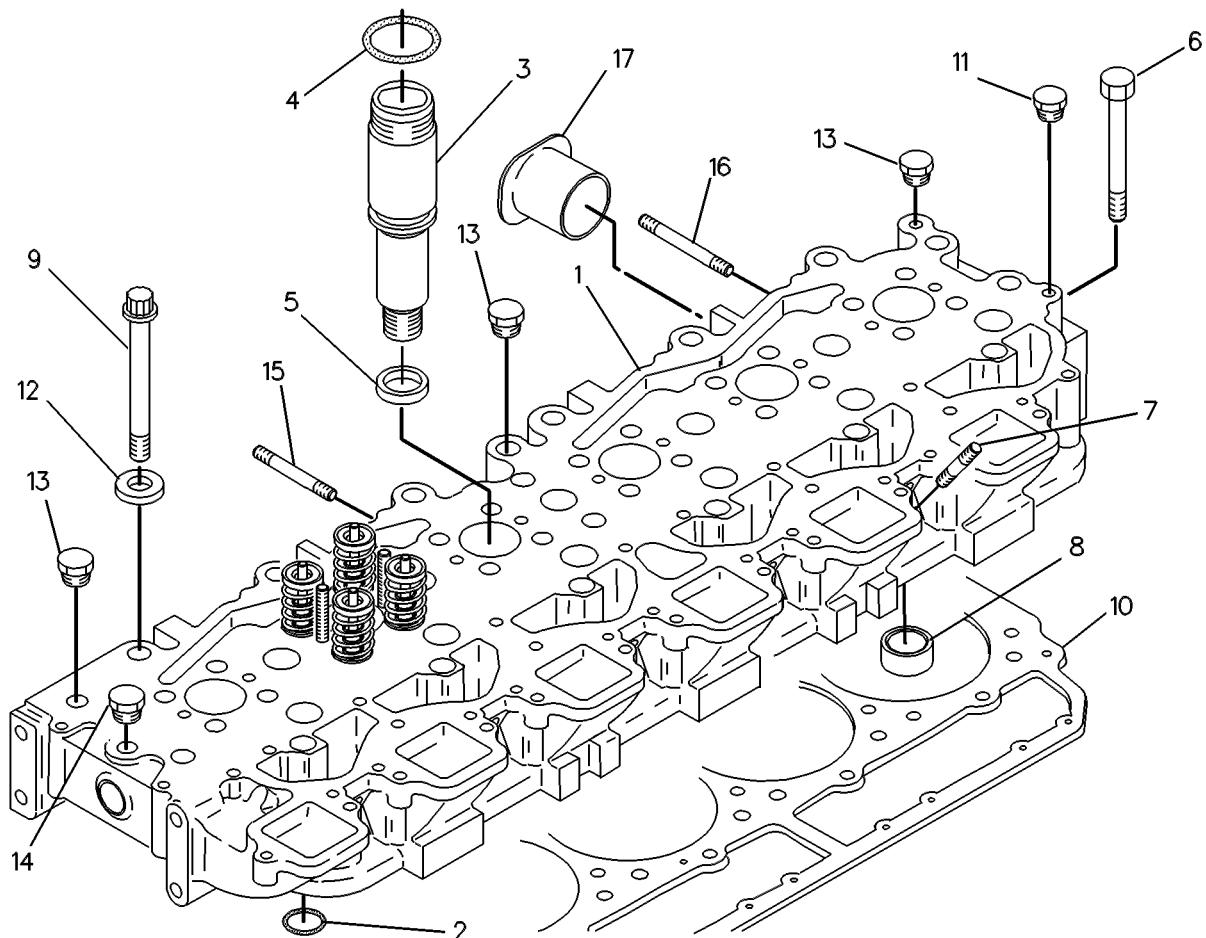
B-USE AS REQUIRED

Y-SEPARATE ILLUSTRATION

# BASIC ENGINE

110-5095 CYLINDER HEAD GP (*contd.*)

i01066239



GRAPHIC #1

g00108864

# BASIC ENGINE

## 110-5096 CYLINDER HEAD GP\*R

S/N: 41Z1-UP

### FIELD REPLACEMENT FOR 110-5099-PAGE 61

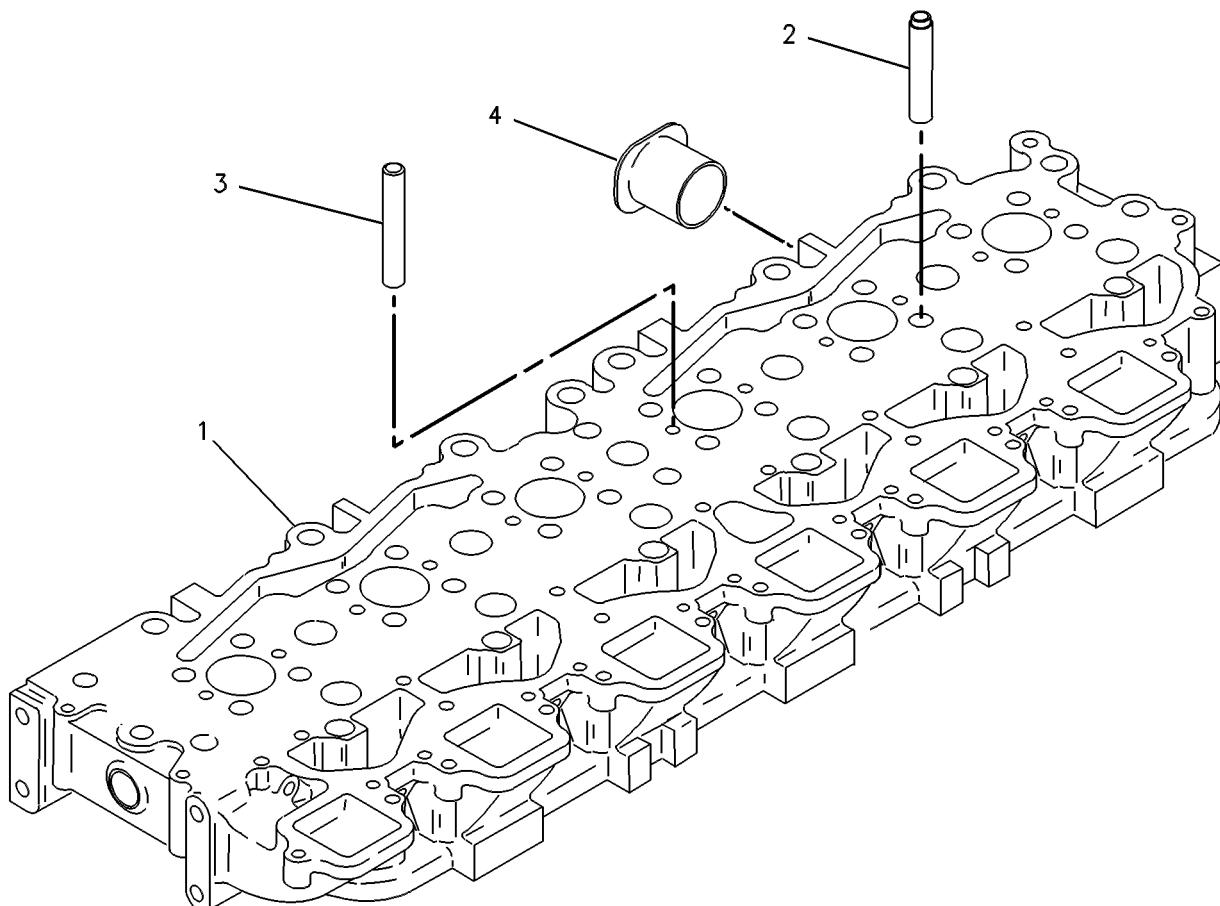
SMCS-1100, 1103, 1104, 1105, 1106, 1108, 1109,  
1115, 1117, 1121, 1124, 1125

i01630114

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
Y	1	1	110-5099	1	CYLINDER HEAD GP	61
	2	1	122-7374	24	GUIDE - VALVE	
	3	1	2N-5775	12	DOWEL	
B	4	1	194-8124	6	SLEEVE AS (EXHAUST PORT)	

B-USE AS REQUIRED

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00109211

# BASIC ENGINE

## 110-5099 CYLINDER HEAD GP

S/N: 41Z1-UP

PART OF 110-5096, 214-1667, 7W-2203 CYLINDER HEAD GP

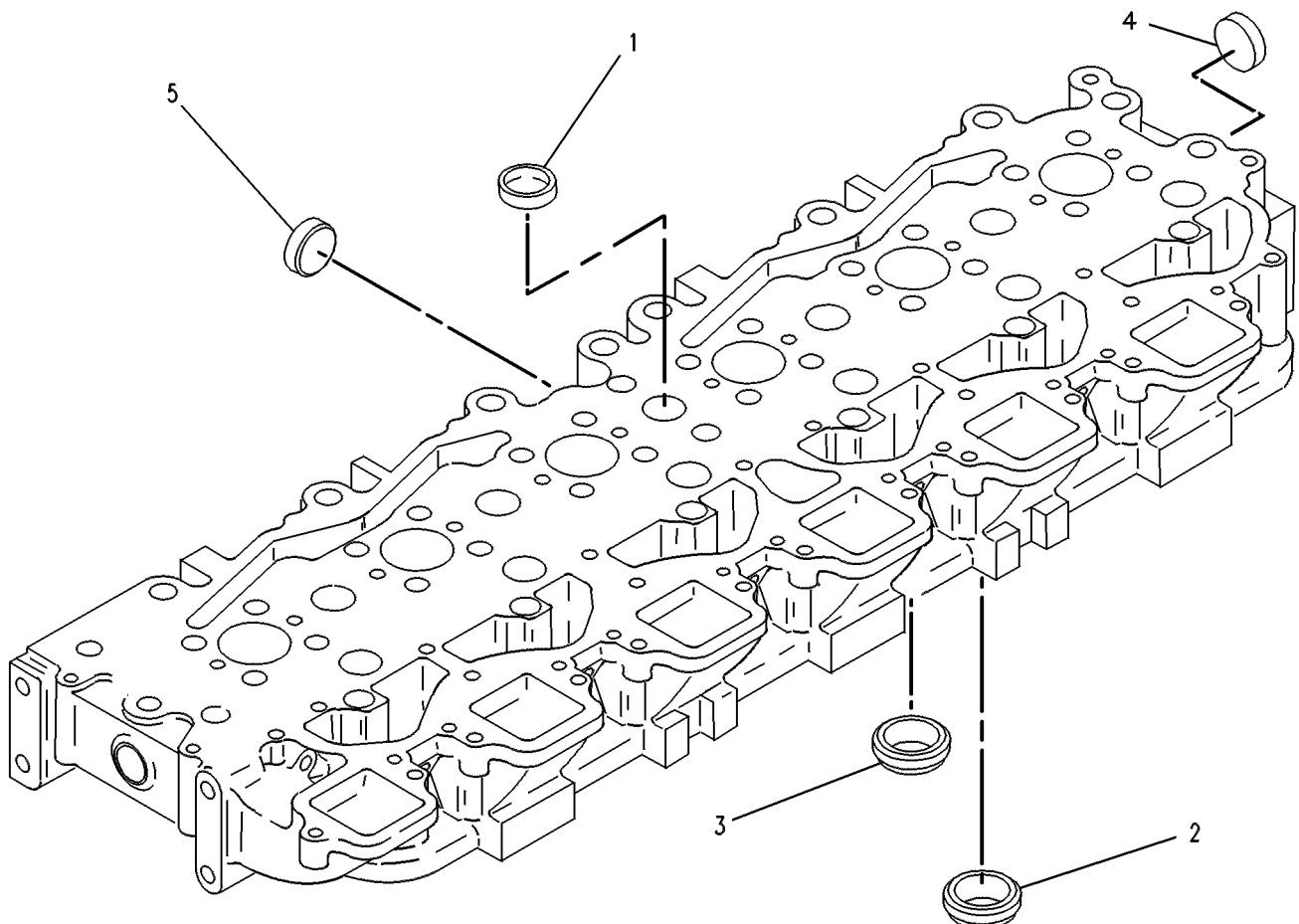
FIELD REPLACEMENT ORDER 110-5096-PAGE 60

ALSO AN ATTACHMENT

SMCS-1100, 1103, 1104, 1105, 1106, 1108, 1109,  
1115, 1117, 1121, 1124, 1125

i00144269

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		3B-0645	12	PLUG-CUP						
2	1		4N-5893	12	INSERT-INLET VALVE						
3	1		1W-5283	12	INSERT-VALVE SEAT						
4	1		2M-6471	1	PLUG-CUP						
5	1		3B-0623	10	PLUG-CUP						



GRAPHIC #1

g00108648

# BASIC ENGINE

## 214-1665 CYLINDER HEAD GP

S/N: 41Z20913-UP

PART OF 105-9697, 111-0592 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1100, 1103, 1104, 1105, 1106, 1108, 1109,  
1115, 1117, 1121, 1124, 1125

i01654198

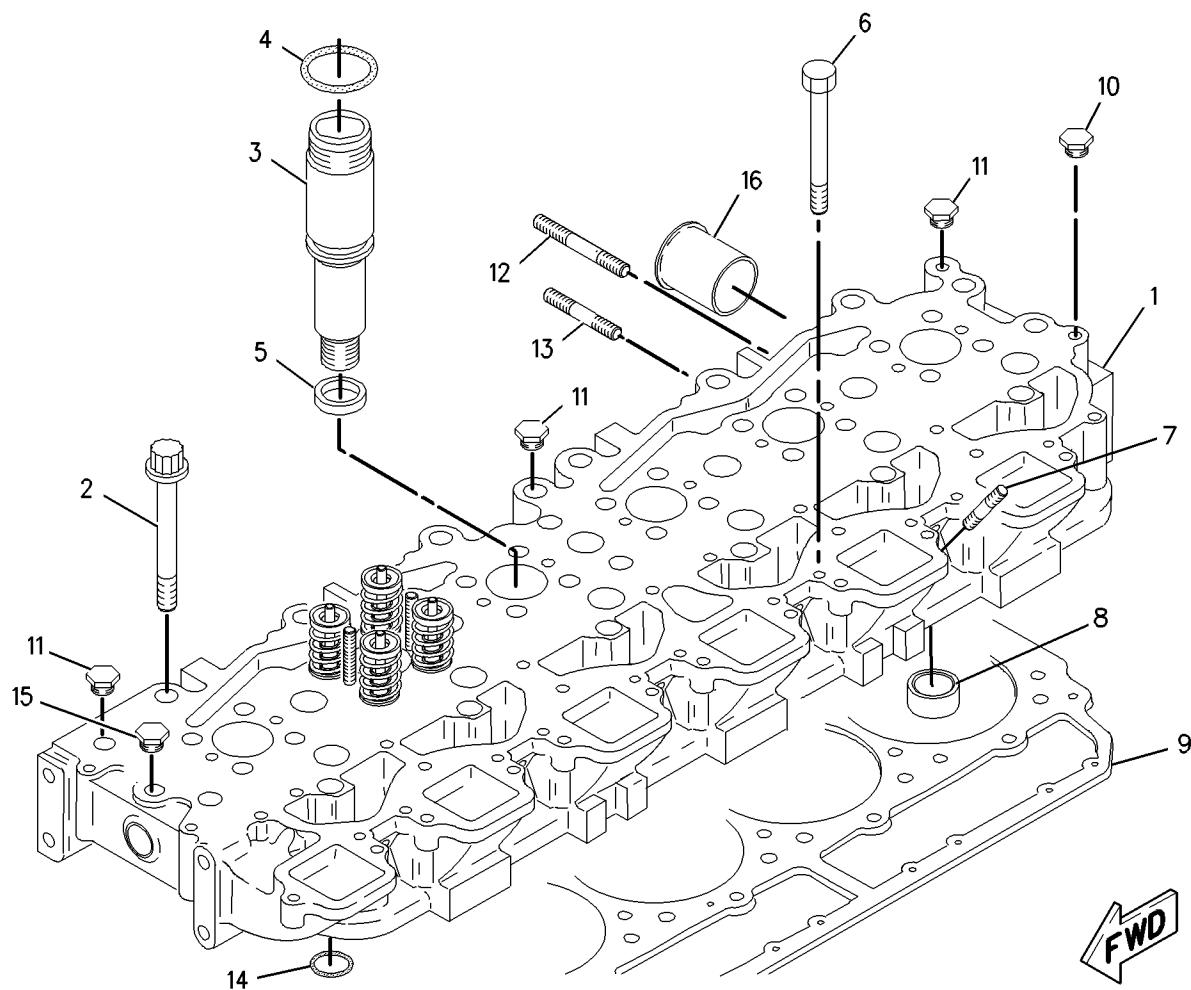
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6 (PRODUCT LEVEL)		
Y	1	1	214-1667	1	CYLINDER HEAD GP							64
	2	1	5H-1504	20	WASHER-HARD (20X33.5X5MM THK)							
		1	124-1855	20	BOLT-12 POINT HEAD (3/4-16X194MM)							
	3	1	100-6920	6	ADAPTER-NOZZLE							
	4	1	8M-5249	6	SEAL-O-RING							
	5	1	4N-7253	6	GASKET-CHAMBER							
	6	1	5F-4899	12	BOLT (3/8-16X5.5 IN)							
	7	1	6L-7442	6	STUD-TAPERLOCK (5/16-18X1.08IN)							
	8	1	3E-6772	24	SEAL-WATER							
	9	1	6I-3066	1	GASKET-CYLINDER HEAD							
	10	1	8T-6767	1	PLUG-PIPE (3/8-18X.56 IN)							
	11	1	7W-6492	3	PLUG-PIPE (1/2-14 NPTF THD)							
	12	1	106-1792	11	STUD-TAPERLOCK (3/8-16X3.93IN)							
	13	1	4S-6137	1	STUD-TAPERLOCK (3/8-16X3.1IN)							
	14	1	3S-5496	2	SEAL-O-RING							
	15	1	7W-6492	1	PLUG-PIPE (1/2-14 NPTF THD)							
	16	1	194-8124	6	SLEEVE AS (EXHAUST PORT)							

Y-SEPARATE ILLUSTRATION

# BASIC ENGINE

214-1665 CYLINDER HEAD GP (*contd.*)

i01654198



GRAPHIC #1

g00848685

# BASIC ENGINE

## 214-1667 CYLINDER HEAD GP

S/N: 41Z20913-UP

PART OF 214-1665 CYLINDER HEAD GP

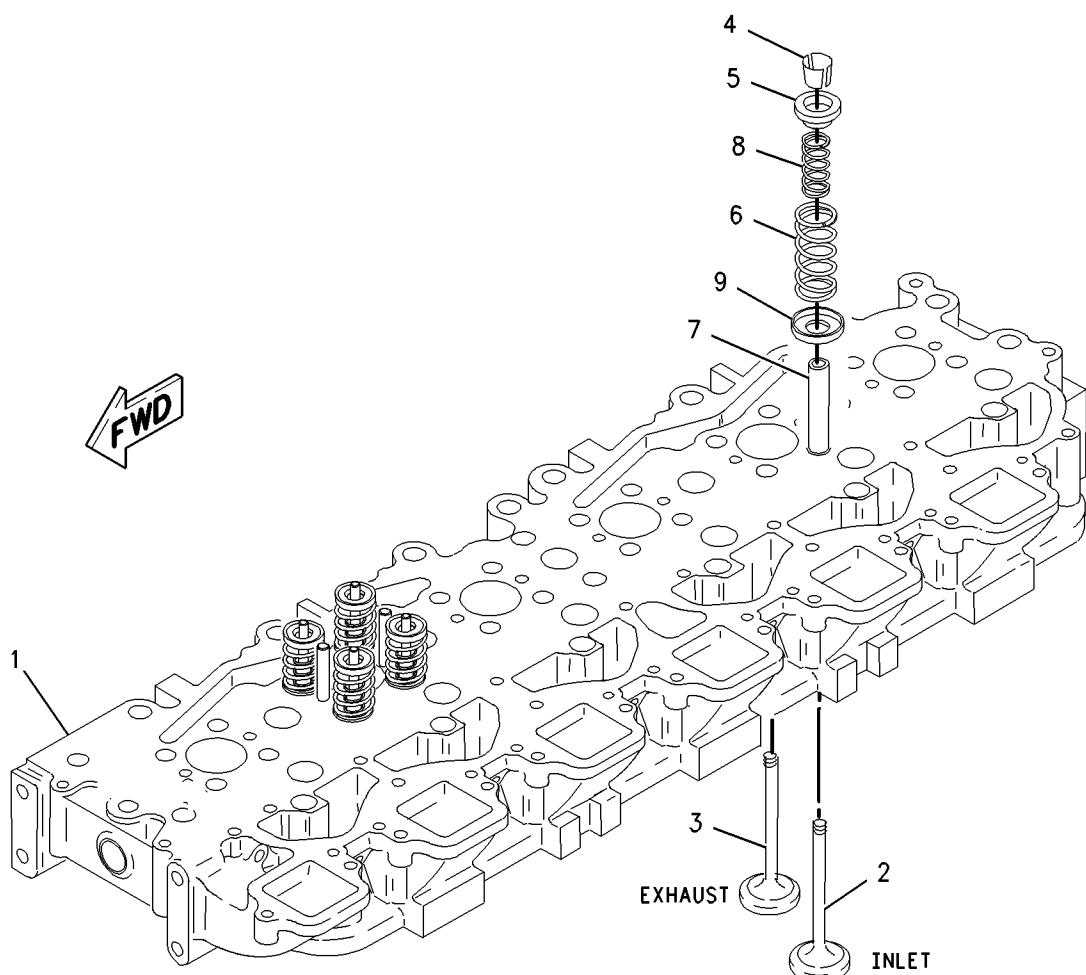
ALSO AN ATTACHMENT

SMCS-1100, 1103, 1104, 1105, 1106, 1108, 1109,  
1115, 1117, 1121, 1124, 1125

i01655214

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
Y	1	1	110-5099	1	CYLINDER HEAD GP						61
	2	1	122-0322	12	VALVE-INLET						
	3	1	122-0321	12	VALVE-EXHAUST						
	4	1	2A-4429	48	LOCK-RETAINER						
	5	1	4W-2474	24	ROTOCOIL AS						
	6	1	4W-2471	24	SPRING-VALVE						
	7	1	122-7374	24	GUIDE-VALVE						
	8	1	4W-2472	24	SPRING-VALVE						
	9	1	4W-2473	24	WASHER-VALVE SPRING GUIDE						

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00848816

# BASIC ENGINE

## 4P-5893 DAMPER GP

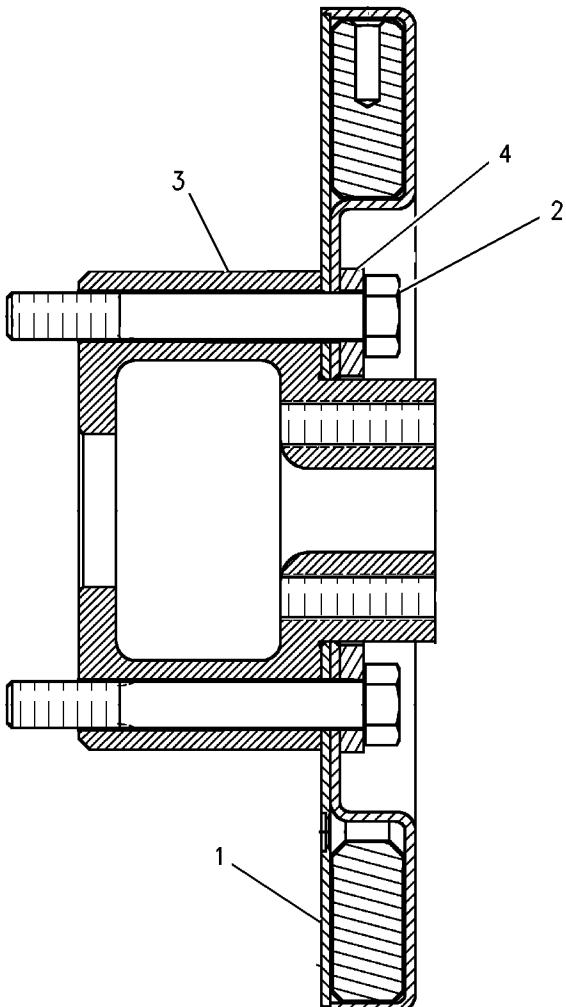
S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1205

i01502950

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		167-8126	1	DAMPER AS						
2	1		1A-3203	6	BOLT (5/8-18X4.75IN)						
3	1		4N-2109	1	ADAPTER-DAMPER						
4	1		168-2100	1	SPACER						



GRAPHIC #1

g00643655

# BASIC ENGINE

## 109-9811 DRIVE GP-FAN

S/N: 9EM1-UP

SMCS-1357, 1358, 1359, 1390

i01472961

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		7E-3641	1	PULLEY-FAN DRIVE (3 GROOVE)						
2	1		4P-3877	1	BRACKET AS-FAN						
	1		4P-3875	1	SHAFT-FAN						
3	1		4N-4534	1	PULLEY-CRANKSHAFT (4 GROOVE)						
4	1		OS-1566	4	BOLT (5/8-11X1.5 IN)						
5	1		118-2018	1	V-BELT SET (INCLUDES 3 BELTS) (STANDARD APPLICATIONS)						
					-OR-						
A	1		9Q-3668	1	V-BELT-BANDED (DEBRIS LADEN APPLICATIONS)						
6	1		1D-4602	1	BOLT (5/8-11X9.5 IN)						
7	1		5F-0149	1	SEAL-O-RING						
8	1		4P-3878	1	HUB-FAN PULLEY						
9	1		1W-4564	1	WASHER-RETAINING						
10	1		3B-1915	6	BOLT (3/8-16X1.37 IN)						
11	1		9W-3620	2	CONE-BEARING						
12	1		4P-3874	1	SPACER						
13	1		110-6936	1	SUPPORT						
14	1		8T-8919	2	BOLT (1/2-13X1.75 IN)						
15	1		6V-8188	2	NUT (1/2-13 THD)						
16	1		9W-3621	2	CUP-BEARING						
17	1		8T-4835	4	BOLT (1/2-13X2 IN)						
18	1		8B-8255	1	SEAL-LIP						
19	1		OS-1588	6	BOLT (3/8-16X1.25 IN)						
20	1		5M-8009	1	PIN-SPRING						
21	1		9Y-7889	1	SPACER						
22	1		8S-2388	1	HOSE AS-FLEXIBLE						
23	1		119-4763	1	ADAPTER						
24	1		3B-8485	1	FITTING-GREASE						
25	1		8L-6557	1	CONNECTOR						
26	1		5P-9297	1	CLIP						
27	1		5M-3062	1	BOLT (3/8-16X0.75 IN)						
28	1		8T-4896	1	WASHER-HARD (10.2X18.5X2.5MM THK)						
AB	1		9S-3263		COMPOUND-THREAD LOCK						

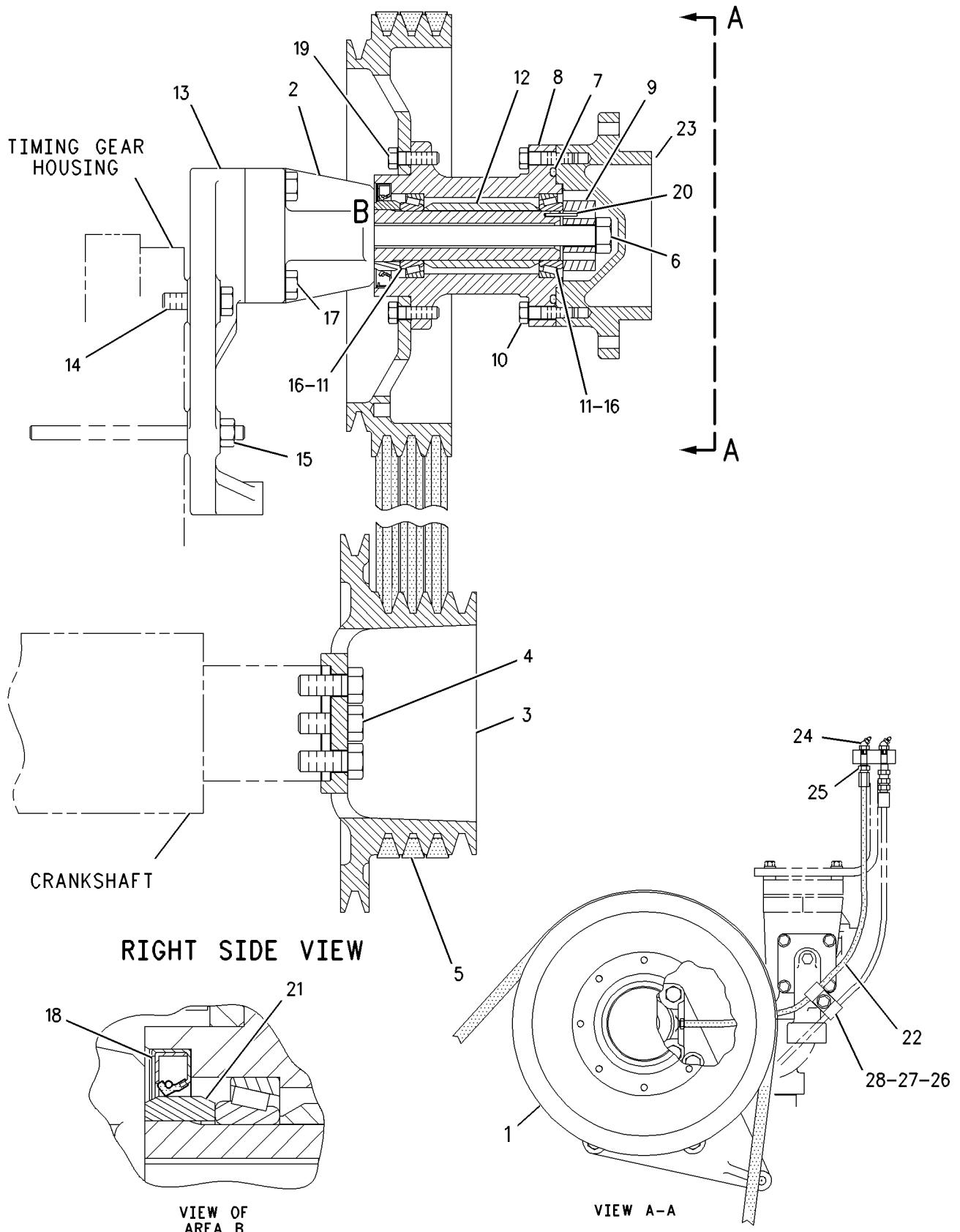
A-NOT PART OF THIS GROUP

B-USE AS REQUIRED

# **BASIC ENGINE**

**109 - 9811 DRIVE GP - FAN (contd.)**

i01472961



## GRAPHIC #1

g00712715

SEBP2536-30

2 of 2

BASIC ENGINE 67

# BASIC ENGINE

## 125-8523 DRIVE GP-FAN

S/N: 9EM1-UP

PART OF 124-4818 FAN AR-EJECTOR  
AN ATTACHMENT

SMCS-1357, 1358, 1359, 1390

i01488409

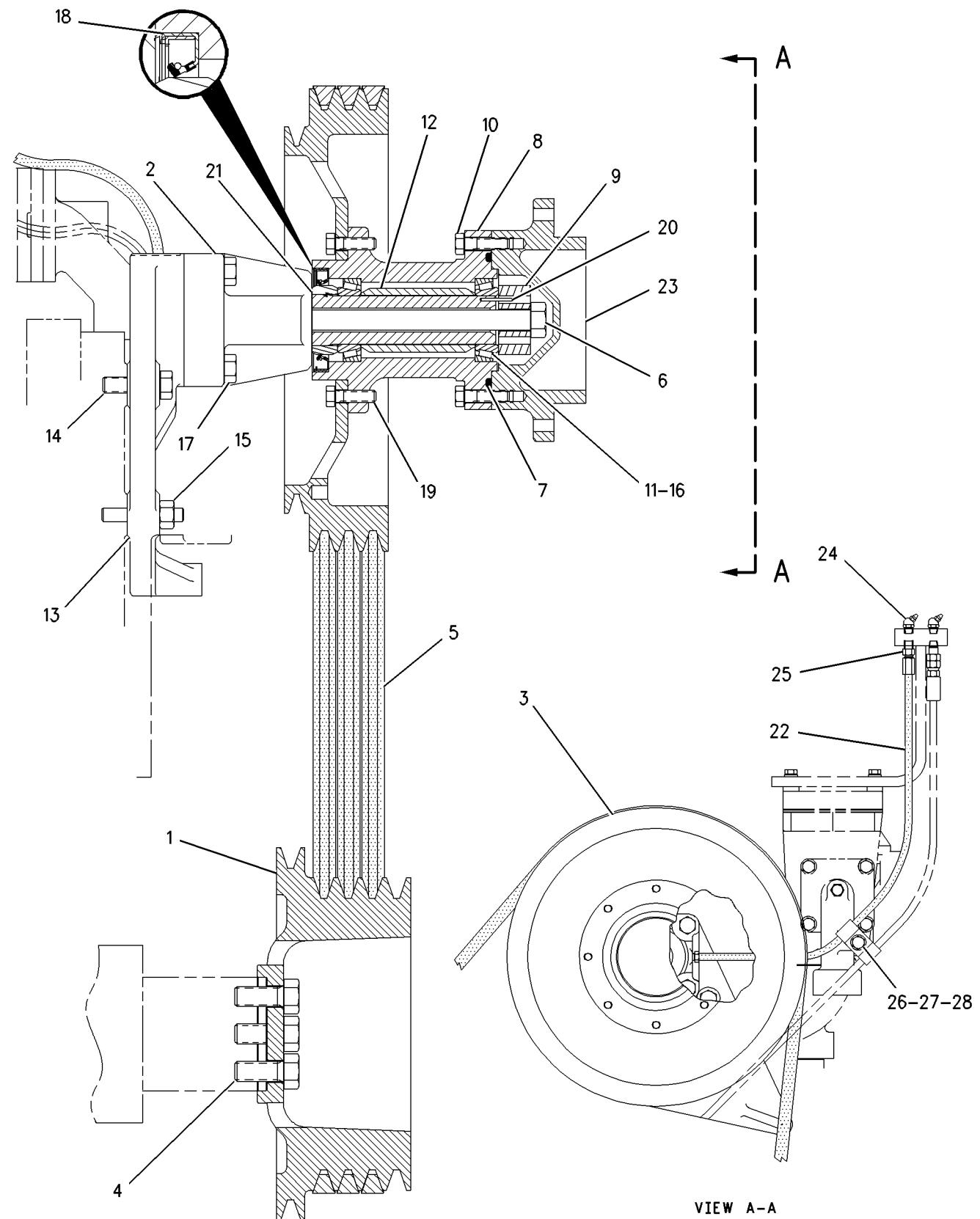
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		4W-8595	1	PULLEY-CRANKSHAFT						
2	1		4P-3877	1	BRACKET AS-FAN						
	1		4P-3875	1	SHAFT-FAN						
3	1		4N-8596	1	PULLEY-FAN DRIVE						
4	1		OS-1566	4	BOLT (5/8-11X1.5 IN)						
5	1		129-2416	1	V-BELT SET (INCLUDES 3 BELTS) (STANDARD APPLICATIONS)						
					-OR-						
A	1		9Q-3670	1	V-BELT-BANDED (DEBRIS LADEN APPLICATIONS)						
6	1		1D-4602	1	BOLT (5/8-11X9.5 IN)						
7	1		5F-0149	1	SEAL-O-RING						
8	1		4P-3878	1	HUB-FAN PULLEY						
9	1		1W-4564	1	WASHER-RETAINING						
10	1		3B-1915	6	BOLT (3/8-16X1.37 IN)						
11	1		9W-3620	2	CONE-BEARING						
12	1		4P-3874	1	SPACER						
13	1		110-6936	1	SUPPORT						
14	1		8T-8919	2	BOLT (1/2-13X1.75 IN)						
15	1		6V-8188	2	NUT (1/2-13 THD)						
16	1		9W-3621	2	CUP-BEARING						
17	1		8T-4835	4	BOLT (1/2-13X2 IN)						
18	1		8B-8255	1	SEAL-LIP						
19	1		OS-1588	6	BOLT (3/8-16X1.25 IN)						
20	1		5M-8009	1	PIN-SPRING						
21	1		9Y-7889	1	SPACER						
22	1		8S-2388	1	HOSE AS-FLEXIBLE						
23	1		119-4763	1	ADAPTER						
24	1		3B-8485	1	FITTING-GREASE						
25	1		8L-6557	1	CONNECTOR						
26	1		5P-9297	1	CLIP						
27	1		5M-3062	1	BOLT (3/8-16X0.75 IN)						
28	1		8T-4896	1	WASHER-HARD (10.2X18.5X2.5MM THK)						

A-NOT PART OF THIS GROUP

# BASIC ENGINE

125-8523 DRIVE GP-FAN (contd.)

i01488409



GRAPHIC #1

g00690338

# BASIC ENGINE

## 4N-6006 FASTENER GP - FRONT HOUSING

S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

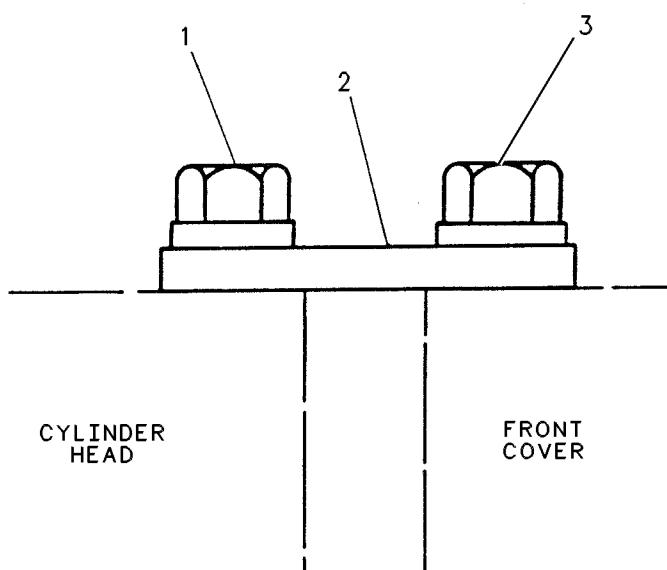
SMCS-1151

i00142506

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
C	1	1	1A-2029	3	BOLT (3/8-16X1.125IN)						
C		1	5M-2894	3	WASHER (2.5MM THK)						
	2	1	4N-4107	1	PLATE						
CB	3	1	1A-2029	1	BOLT (3/8-16X1.125IN)						
CB		1	5M-2894	1	WASHER (2.5MM THK)						

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

g00111249

# BASIC ENGINE

## 1W-7505 FLYWHEEL GP

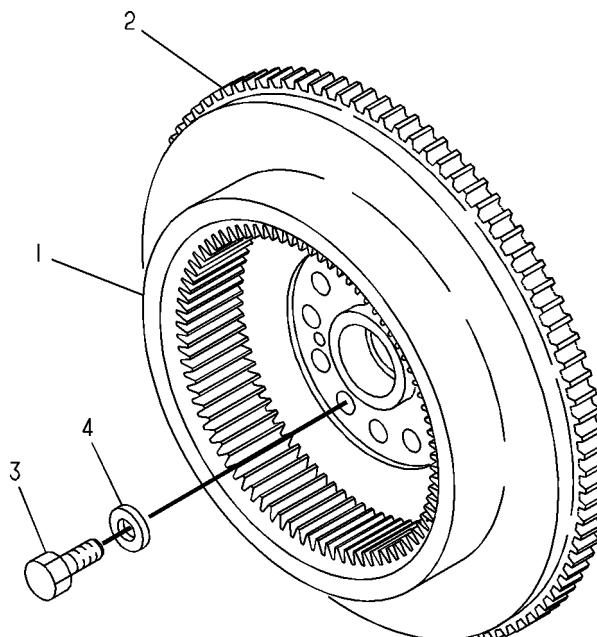
S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1156, 1158

i00569910

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		2W-9750	1	FLYWHEEL AS						
2	1		4N-2514	1	GEAR (113 TEETH)						
3	1		0S-1602	12	BOLT (5/8-18X3.5IN)						
4	1		4D-3704	12	WASHER-HARD (5MM THK)						



GRAPHIC #1

g00177852

# BASIC ENGINE

## 8N-9246 GEAR GP - FRONT

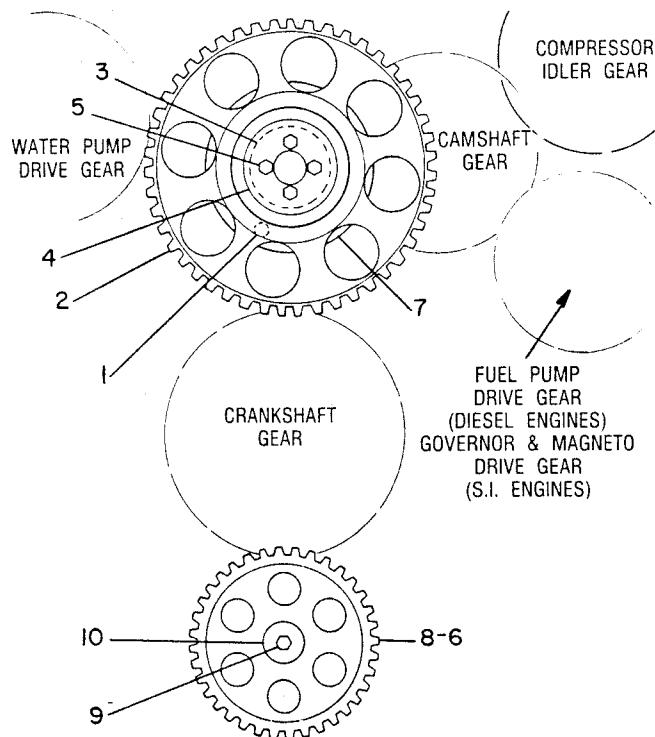
S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1206

i00149348

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		3G-2292	5	BOLT -LOCKING						
2	1		2W-7455	1	GEAR AS-IDLER (42 & 105 TEETH)						
	1		1B-8705	1	KEY-WOODRUFF						
3	1		4N-0343	1	BEARING-SLEEVE						
4	1		112-9217	1	PLATE-THRUST						
5	1		126-1756	4	BOLT -LOCKING						
6	1		1B-8705	1	KEY-WOODRUFF						
7	1		6I-0093	1	SHAFT-IDLER						
8	1		7E-5661	1	GEAR-OIL PUMP DRIVE (69 TEETH)						
9	1		0S-1571	1	BOLT (3/8-16X1.75IN)						
10	1		1P-7346	1	WASHER						



GRAPHIC #1

g00108337

# **MEMORANDA**

# BASIC ENGINE

## 9Y-2187 GEAR GP-REAR

S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1204

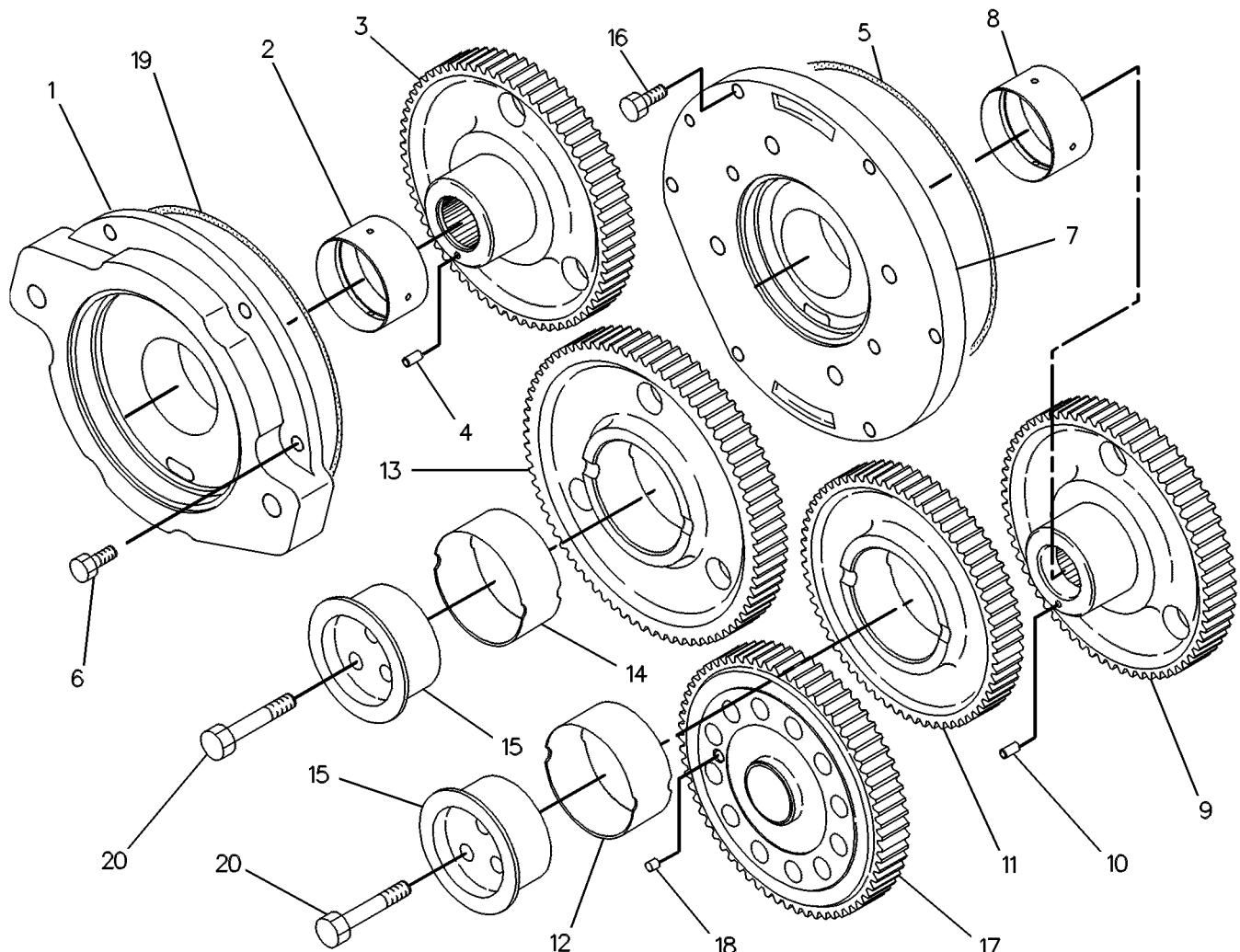
i00569712

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		132-3201	1	ADAPTER AS-PUMP						
2	1		8M-9315	1	BEARING-SLEEVE						
3	1		131-8674	1	GEAR AS-DRIVE (57 TEETH)						
4	1		4F-6024	1	PIN						
5	1		6V-5141	1	SEAL-O-RING						
6	1		OS-1588	6	BOLT (3/8-16X1.25IN)						
7	1		101-3670	1	ADAPTER AS-PUMP						
8	1		8M-9315	1	BEARING-SLEEVE						
9	1		9Y-5618	1	GEAR AS-DRIVE (68 TEETH)						
10	1		4F-6024	1	PIN						
11	1		9Y-1985	1	GEAR AS-IDLER (55 TEETH)						
12	1		1W-4738	1	BEARING-SLEEVE						
13	1		9Y-1981	1	GEAR AS-IDLER (78 TEETH)						
14	1		1W-4738	1	BEARING-SLEEVE						
15	1		9Y-2092	2	RETAINER-IDLER						
16	1		3B-1915	6	BOLT (3/8-16X1.375IN)						
17	1		9Y-2094	1	GEAR AS-CRANKSHAFT (68 TEETH)						
18	1		4N-0684	1	DOWEL						
19	1		3F-1547	1	SEAL-O-RING						
20	1		1A-1460	6	BOLT (1/2-13X2IN)						

# BASIC ENGINE

9Y-2187 GEAR GP-REAR (*contd.*)

i00569712



GRAPHIC #1

g00234914

# BASIC ENGINE

## 100-2879 HOUSING GP - FLYWHEEL

S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1157

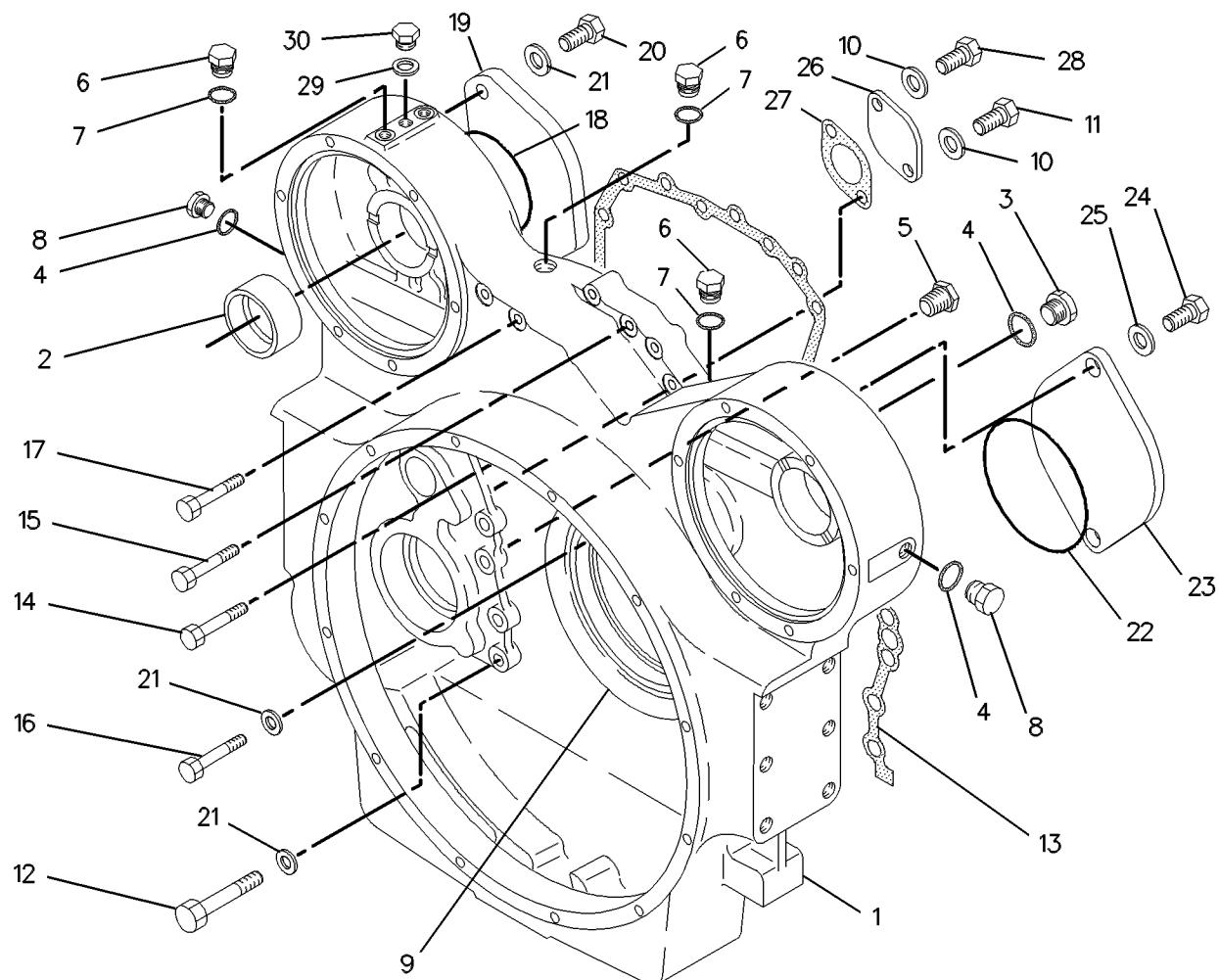
i01502954

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		100-2878	1	HOUSING AS-FLYWHEEL						
2	1		8M-9315	2	BEARING-SLEEVE						
3	1		9S-8005	2	PLUG						
4	1		3K-0360	4	SEAL-O-RING						
5	1		8T-6765	2	PLUG-PIPE						
6	1		9S-4182	4	PLUG-O-RING						
7	1		3J-7354	4	SEAL-O-RING						
8	1		9S-4185	2	PLUG-O-RING						
9	1		1W-3136	1	BAFFLE						
10	1		5M-2894	2	WASHER-HARD (10.2X18.5X2.5MM THK)						
11	1		0S-1594	1	BOLT (3/8-16X1 IN)						
12	1		9K-7290	8	BOLT-12 POINT HEAD (1/2-13X3.25IN)						
13	1		155-5619	1	GASKET-FLYWHEEL						
14	1		165-3930	6	BOLT-HEX HEAD (3/8-16X1.625IN)						
15	1		165-3932	5	BOLT-HEX HEAD (3/8-16X2IN)						
16	1		5J-5793	1	BOLT-12 POINT HEAD (1/2-13X1.75 IN)						
17	1		165-3936	2	BOLT-HEX HEAD (3/8-16X4.5IN)						
18	1		4M-0189	1	SEAL-O-RING						
19	1		116-3046	1	COVER						
20	1		0S-1585	2	BOLT (1/2-13X1.50 IN)						
21	1		5P-8245	11	WASHER-HARD (13.5X25.5X3MM THK)						
22	1		5P-8286	1	SEAL-O-RING						
23	1		101-3934	1	COVER						
24	1		4B-4043	2	BOLT (5/8-11X1.375 IN)						
25	1		5P-8247	2	WASHER-HARD (17X32X3.5MM THK)						
26	1		2P-2772	1	COVER						
27	1		4N-0933	1	GASKET						
28	1		0S-1619	1	BOLT (3/8-16X3 IN)						
29	1		2A-1162	1	GASKET						
30	1		5F-0304	1	PLUG-DRAIN						

# BASIC ENGINE

100-2879 HOUSING GP-FLYWHEEL (contd.)

i01502954



GRAPHIC #1

g00638618

# BASIC ENGINE

## 7W-3656 HOUSING GP - FRONT

S/N: 41Z1-UP

PART OF 105-9697, 111-0593 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1151, 1162, 1166

i00571772

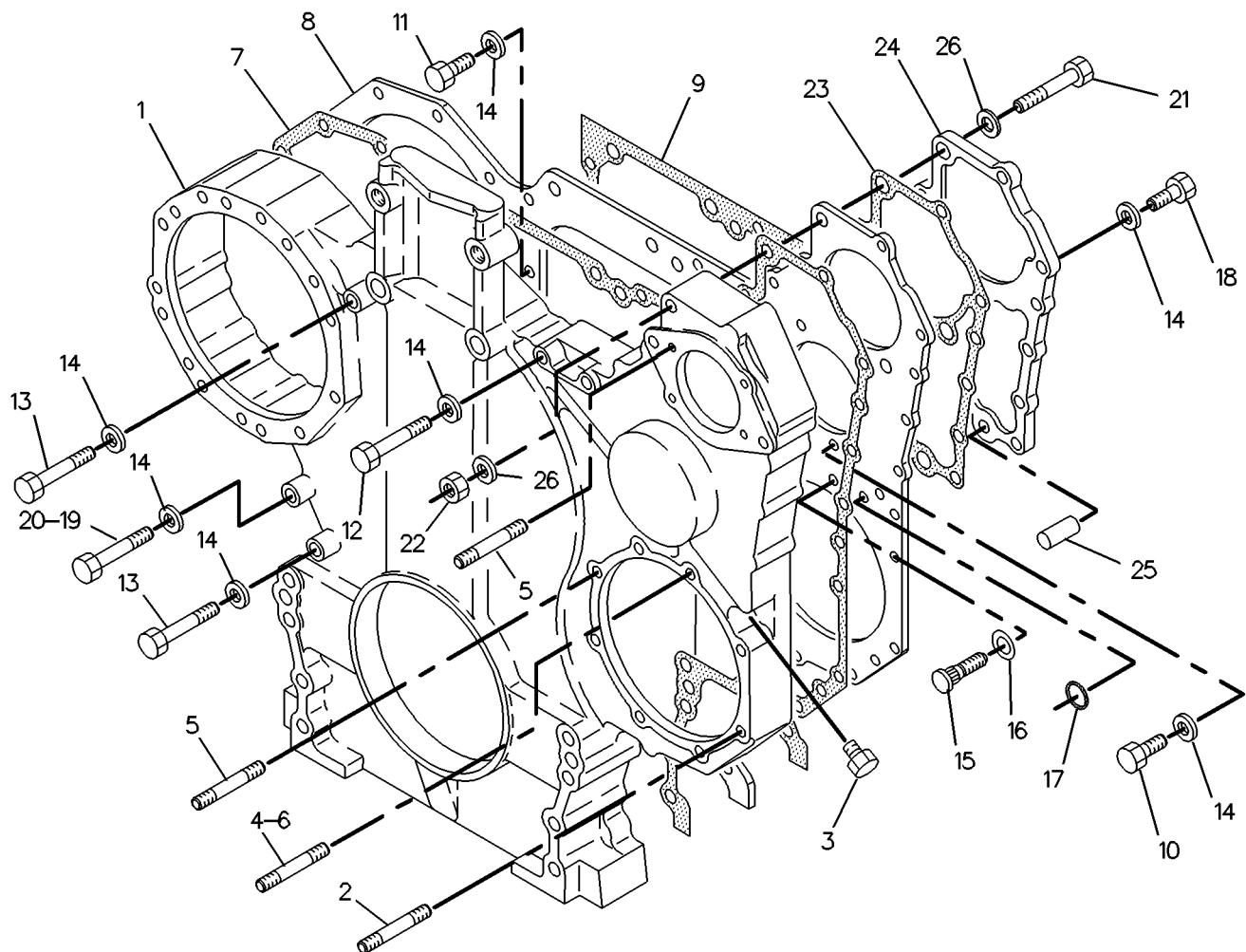
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		1W-1469	1	HOUSING AS-GEAR						
2	1		2M-4779	5	STUD-TAPERLOCK						
3	1		5M-6214	1	PLUG-PIPE (1/8-27 THD)						
B	4	1	6F-7012	1	STUD						
	5	1	6F-7012	4	STUD						
B	6	1	6H-0406	1	STUD						
7	1		124-6016	1	GASKET						
8	1		1W-1471	1	PLATE-FRONT						
9	1		140-3130	1	GASKET						
10	1		1A-2029	7	BOLT (3/8-16X1.125IN)						
11	1		5P-4255	8	BOLT-LOCKING						
12	1		0L-1352	2	BOLT (3/8-16X3.25IN)						
13	1		0T-0055	2	BOLT (3/8-16X4.25IN)						
14	1		5M-2894	22	WASHER (2.5MM THK)						
15	1		1N-3181	2	STUD						
16	1		6B-2250	2	GASKET						
17	1		8M-4447	1	SEAL (12.29MM ID)						
18	1		2A-4639	7	BOLT (3/8-16X1.625IN)						
19	1		8S-9191	1	BOLT (3/8-16X4IN)						
20	1		9S-8752	1	NUT-FULL (3/8-16 THD)						
21	1		1B-2886	1	BOLT (1/2-13X3.75IN)						
22	1		1F-7958	1	NUT-FULL (1/2-13 THD)						
23	1		1W-1898	1	GASKET						
24	1		7W-6992	1	COVER AS						
25	1		9M-4007	1	DOWEL						
26	1		5P-8245	2	WASHER (3MM THK)						

B- USE AS REQUIRED

# **BASIC ENGINE**

**7W-3656 HOUSING GP - FRONT (contd.)**

i00571772



## GRAPHIC #1

g00206647

# BASIC ENGINE

## 108-2525 HOUSING GP - FRONT

S/N: 41Z1-UP

PART OF 111-0592, 111-0594 ENGINE AR  
AN ATTACHMENT

SMCS-1151, 1162, 1166

i01231025

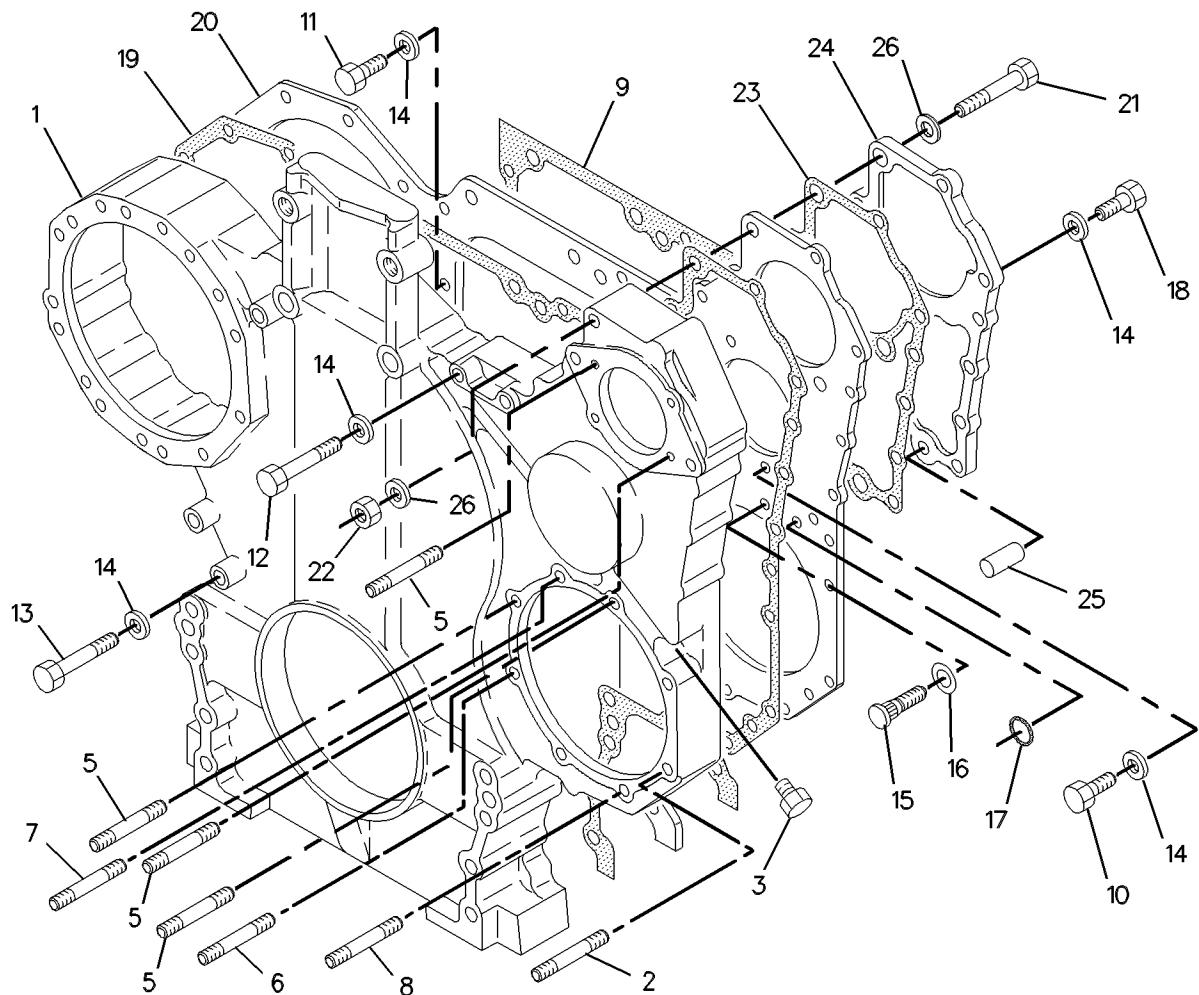
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
	1	1	108-3634	1	HOUSING AS						
B	2	1	2M-4779	2	STUD-TAPERLOCK						
	3	1	8T-6764	1	PLUG-PIPE (1/8-27 NPTF THD)						
	5	1	3K-3256	4	STUD (3/8IN NC X 1-11/16)						
B	6	1	1J-8668	2	STUD-TAPERLOCK						
	7	1	4F-9081	1	STUD						
	8	1	2M-2488	1	STUD-TAPERLOCK						
	9	1	166-9142	1	GASKET						
	10	1	1A-2029	7	BOLT (3/8-16X1.125IN)						
	11	1	5P-4255	8	BOLT-LOCKING (3/8-16 X 1.0 IN)						
	12	1	0L-1352	1	BOLT (3/8-16X3.25IN)						
	13	1	0T-0055	1	BOLT (3/8-16X4.25IN)						
	14	1	5M-2894	18	WASHER (2.5MM THK)						
	15	1	1N-3181	2	STUD						
	16	1	6B-2250	2	GASKET						
	17	1	8M-4447	1	SEAL-O-RING (12.29MM ID)						
	18	1	2A-4639	7	BOLT (3/8-16X1.625IN)						
	19	1	166-9146	1	GASKET						
	20	1	1W-1471	1	PLATE-FRONT						
	21	1	1B-2886	1	BOLT (1/2-13X3.75IN)						
	22	1	1F-7958	1	NUT-FULL (1/2-13 THD)						
	23	1	1W-1898	1	GASKET						
	24	1	7W-6992	1	COVER AS						
	25	1	9M-4007	1	DOWEL						
	26	1	5P-8245	2	WASHER-HARD (3MM THK)						

B-USE AS REQUIRED

# **BASIC ENGINE**

**108 - 2525 HOUSING GP - FRONT (contd.)**

i01231025



## GRAPHIC #1

g00551941

# BASIC ENGINE

## 121-7999 LIFTING GP-ENGINE

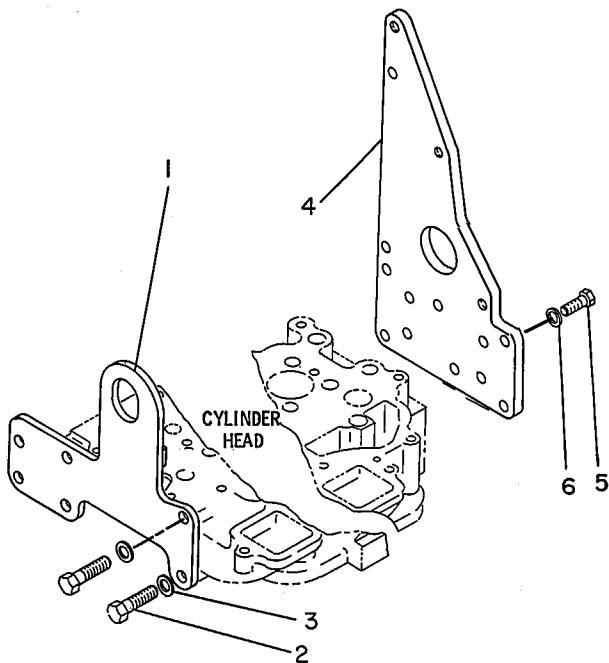
S/N: 41Z1-19833

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1122

i00569713

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		7C-3301	1	EYE AS-LIFTING						
	1		7T-1099	1	LINK						
2	1		0S-1595	2	BOLT (1/2-13X1.25IN)						
3	1		5P-8245	2	WASHER (3MM THK)						
4	1		121-7998	1	PLATE						
5	1		1A-2029	10	BOLT (3/8-16X1.125IN)						
6	1		5M-2894	10	WASHER (2.5MM THK)						



GRAPHIC #1

g00229228

# BASIC ENGINE

## 200-7985 LIFTING GP-ENGINE

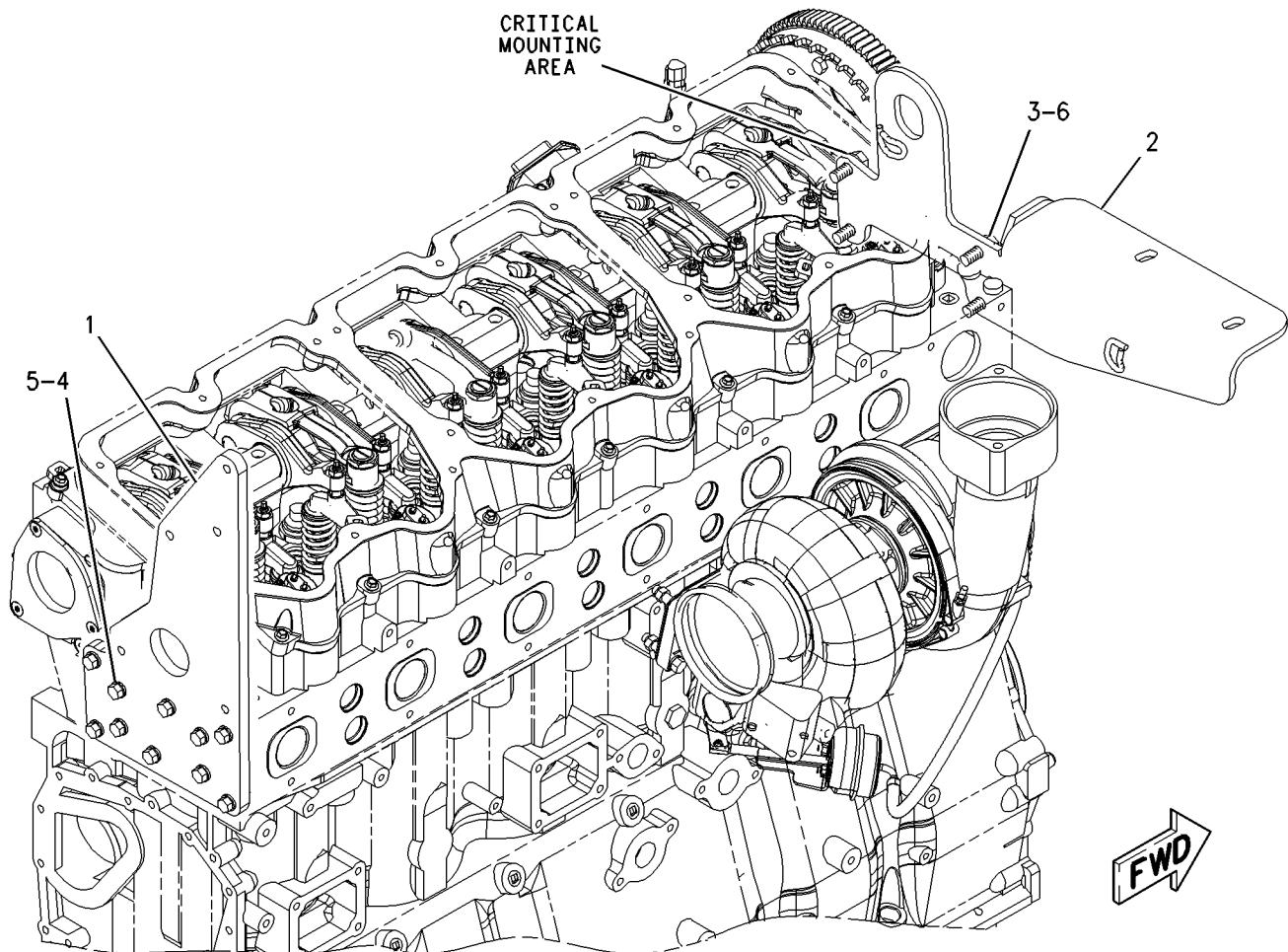
S/N: 41Z19834-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1122

i01519644

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		121-7998	1	PLATE						
2	1		200-5927	1	SUPPORT AS						
	1		7T-1099	2	LINK						
3	1		0S-1595	4	BOLT (1/2-13X1.25 IN)						
4	1		1A-2029	10	BOLT (3/8-16X1.125 IN)						
5	1		5M-2894	10	WASHER-HARD (10.2X18.5X2.5MM THK)						
6	1		5P-8245	4	WASHER-HARD (13.5X25.5X3MM THK)						



GRAPHIC #1

g00790064

# BASIC ENGINE

## 7W-0158 PAN GP-OIL

S/N: 41Z1-UP

PART OF 105-9697, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1302

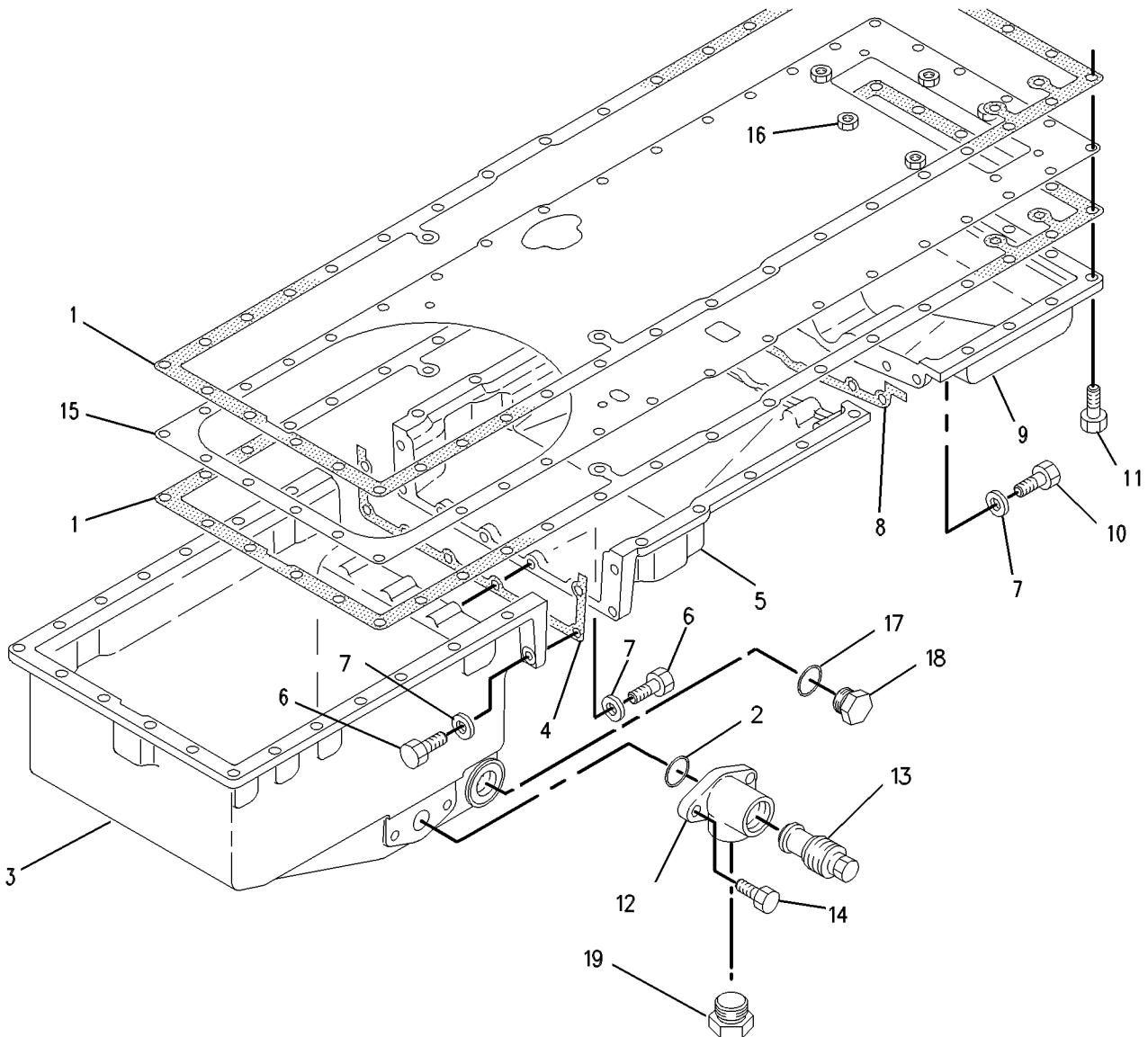
i01502967

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		4N-3661	2	GASKET-OIL PAN						
2	1		6V-3830	1	SEAL-O-RING						
3	1		116-7885	1	PAN-FRONT OIL						
4	1		4N-7266	1	GASKET-OIL PAN						
5	1		7W-0844	1	PAN-CENTER OIL						
6	1		OS-1591	8	BOLT (3/8-16X1.5 IN)						
7	1		5M-2894	14	WASHER-HARD (10.2X18.5X2.5MM THK)						
8	1		7W-0845	1	GASKET						
9	1		7W-0843	1	PAN-REAR OIL						
10	1		OS-1588	6	BOLT (3/8-16X1.25 IN)						
11	1		2P-3203	39	BOLT-WASHER HEAD (3/8-16X1.25 IN)						
12	1		4P-0519	1	ADAPTER AS-DRAIN						
13	1		4P-0513	1	PLUG-OIL DRAIN						
14	1		OS-1587	2	BOLT (1/2-13X1.75 IN)						
15	1		1W-6632	1	PLATE AS-OIL PAN						
16	1		9F-2978	5	NUT-WELD (3/8-16 THD)						
17	1		7M-8485	1	SEAL-O-RING						
18	1		9S-4181	1	PLUG-STRAIGHT THREAD						
19	1		3B-0551	1	PLUG-PIPE						

# BASIC ENGINE

7W-0158 PAN GP-OIL (*contd.*)

i01502967



GRAPHIC #1

g00590371

# BASIC ENGINE

**107-7378 PAN GP-OIL**

S/N: 41Z1-UP

PART OF 111-0592, 111-0594 ENGINE AR  
AN ATTACHMENT

SMCS-1302

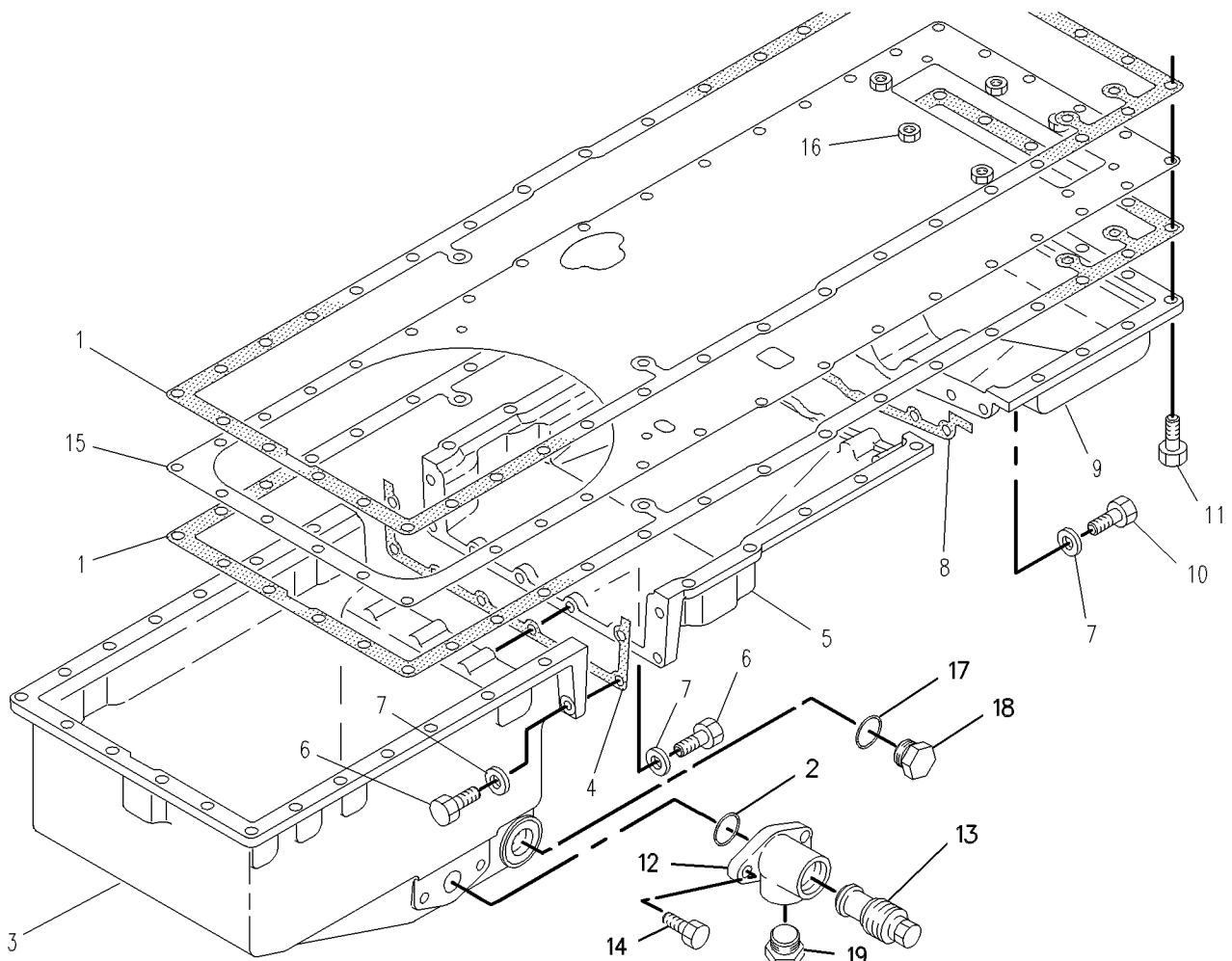
i01230888

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		4N-1151	2	GASKET						
2	1		6V-3830	1	SEAL-O-RING (34.29MM ID)						
3	1		116-7885	1	PAN-FRONT OIL						
4	1		4N-7266	1	GASKET-OIL PAN						
5	1		7W-0844	1	PAN-CENTER OIL						
6	1		0S-1591	8	BOLT (3/8-16X1.5 IN)						
7	1		5M-2894	14	WASHER (2.5MM THK)						
8	1		7W-0845	1	GASKET						
9	1		7W-0843	1	PAN-REAR OIL						
10	1		0S-1588	6	BOLT (3/8-16X1.25IN)						
11	1		2P-3203	31	BOLT-WASHER HEAD (3/8 X 1.25)						
12	1		4P-0519	1	ADAPTER AS-DRAIN						
13	1		109-5839	1	PLUG-OIL DRAIN						
	1		109-5840	1	ADAPTER-PLUG						
14	1		0S-1587	2	BOLT (1/2-13X1.75IN)						
15	1		1W-6632	1	PLATE AS-OIL PAN						
16	1		1F-0750	5	NUT-WELD (3/8-16 THD)						
17	1		7M-8485	1	SEAL-O-RING (29.74MM ID)						
18	1		9S-4181	1	PLUG-STRAIGHT THREAD (1-5/16-12 THD)						
19	1		090-9019	1	PLUG-PIPE						

# BASIC ENGINE

107-7378 PAN GP-OIL (*contd.*)

i01230888



GRAPHIC #1

g00591630

# BASIC ENGINE

## 108-8865 PISTON & ROD GP

S/N: 41Z1-12894

PART OF 105-9697, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1213, 1214, 1215, 1218, 1219, 1225, 1239

i00143349

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
	1	1	8N-1608	1	PIN-PISTON						
	2	1	7E-5665	2	RETAINER-PIN						
R	3	1	7E-5996	1	ROD AS-CONNECTING						
M	4	1	7E-4195	2	BOLT-CONNECTING ROD						
		1	7N-2043	2	DOWEL						
	5	1	9Y-7735	1	BEARING-ROD (STANDARD)						
A	1		7E-0558	1	BEARING-ROD (.635 MM US)						
A	1		7E-0559	1	BEARING-ROD (1.27 MM US)						
	6	1	116-8154	1	BODY AS-PISTON						
	7	1	7N-7078	1	RING-OIL						
	8	1	2P-2817	1	RING-PISTON						
	9	1	1W-9460	1	RING-PISTON						
AB	1		2P-2506		COMPOUND-THREAD						

AVAILABLE REPAIR KIT(S) :

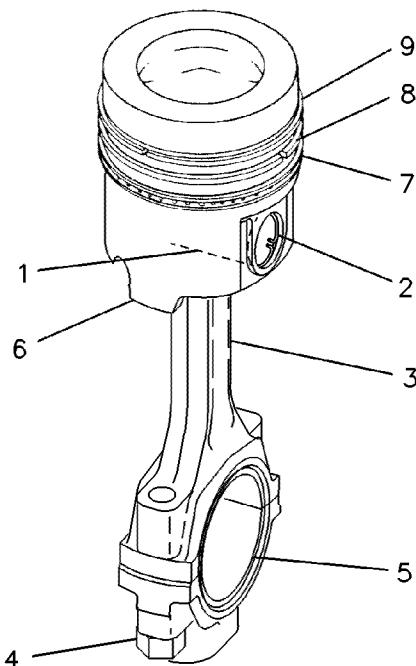
117-5973 1 KIT-ROD BEARING (INCL 6 STANDARD SIZE BEARINGS)

A-NOT PART OF THIS GROUP

B-USE AS REQUIRED

M-METRIC PART

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1

g00108430

# BASIC ENGINE

## 163-0920 PISTON & ROD GP

S/N: 41Z12895-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1213, 1214, 1215, 1218, 1219, 1225, 1239

i01513580

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
	1	1	130-0241	1	SKIRT-PISTON						
	2	1	168-4540	1	CROWN AS-PISTON						
	3	1	168-7246	1	PIN-PISTON						
	4	1	7E-1177	2	RETAINER-PIN						
R	5	1	9Y-6054	1	ROD AS-CONNECTING						
		1	6I-2726	1	BEARING-SLEEVE						
M	1	7E-4195	2	2	BOLT-CONNECTING ROD						
		1	7N-2043	2	DOWEL						
	6	1	9Y-7735	1	BEARING-ROD (STANDARD)						
AB	1	7E-0558	1	1	BEARING-ROD (.635 MM US)						
AB	1	7E-0559	1	1	BEARING-ROD (1.27 MM US)						
7	1	172-3284	1	1	RING-PISTON (OIL CONTROL)						
8	1	164-4187	1	1	RING-PISTON (INTERMEDIATE)						
9	1	134-3761	1	1	RING-PISTON (TOP)						
10	1	168-4539	1	1	TUBE AS-OIL JET						
11	1	151-5925	1	1	BOLT-OIL JET						

A-NOT PART OF THIS GROUP

B-USE AS REQUIRED

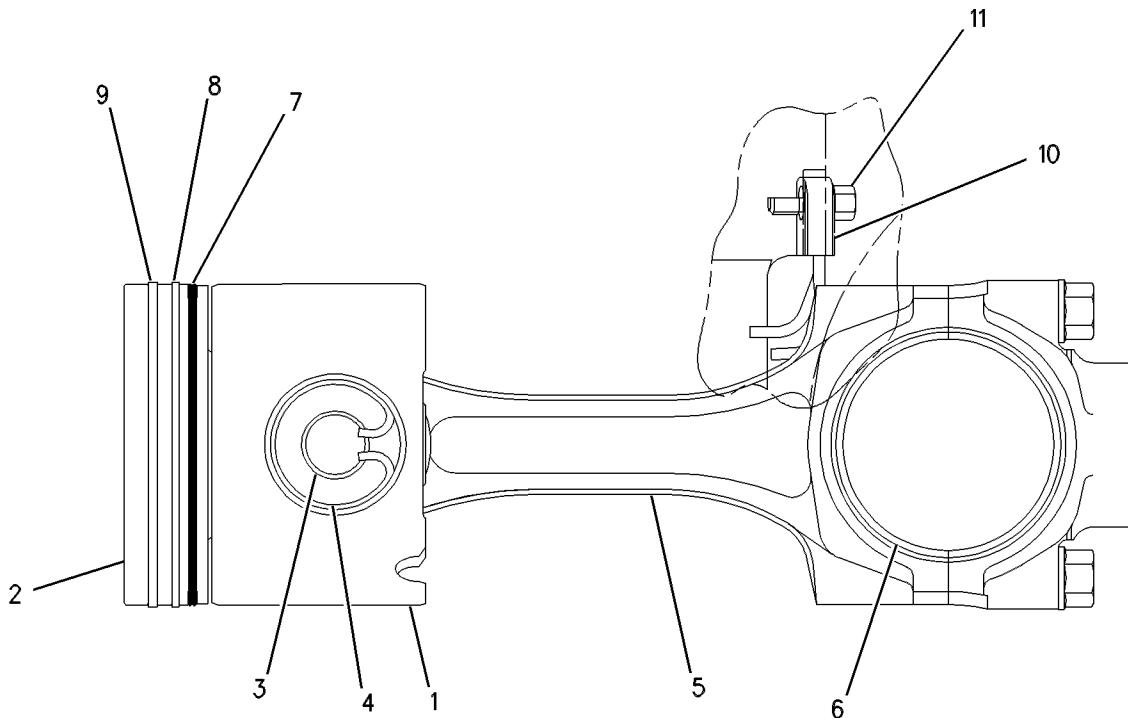
M-METRIC PART

R-REMFG PART MAY BE AVAILABLE

# BASIC ENGINE

163-0920 PISTON & ROD GP (*contd.*)

i01513580



GRAPHIC #1

g00506562

# BASIC ENGINE

## 4N-1045 ROCKER ARM GP

S/N: 41Z1-UP

PART OF 214-1666, 4W-2461 VALVE MECHANISM GP  
ALSO AN ATTACHMENT

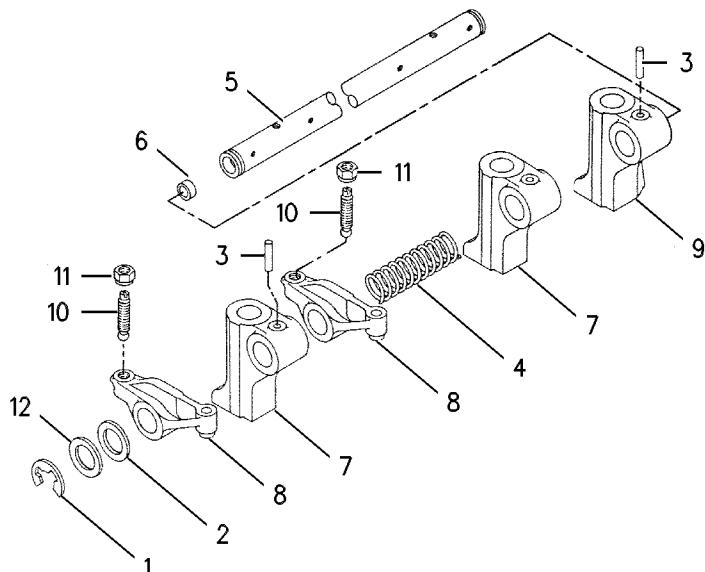
SMCS-1102, 1123

i00142479

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6		
	1	1	006-7403	2	RING-RETAINING							
	2	1	2N-7228	2	WASHER							
	3	1	4N-0955	2	DOWEL							
	4	1	2N-7229	2	SPRING							
	5	1	4N-0839	1	SHAFT AS-ROCKER ARM							
C	6	1	0L-1022	2	PLUG-CUP							
	7	1	9Y-4384	2	BRACKET-SHAFT							
	8	1	4N-5614	6	ROCKER ARM AS							
	9	1	9Y-4383	1	BRACKET-SHAFT							
	10	1	108-5603	6	SCREW-ROCKER ADJUSTMENT							
	11	1	9L-7712	6	NUT (3/8-24 THD)							
B	12	1	2N-7228	2	WASHER							

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

g00109280

# BASIC ENGINE

## 4N-2473 SUPPORT GP-ENGINE

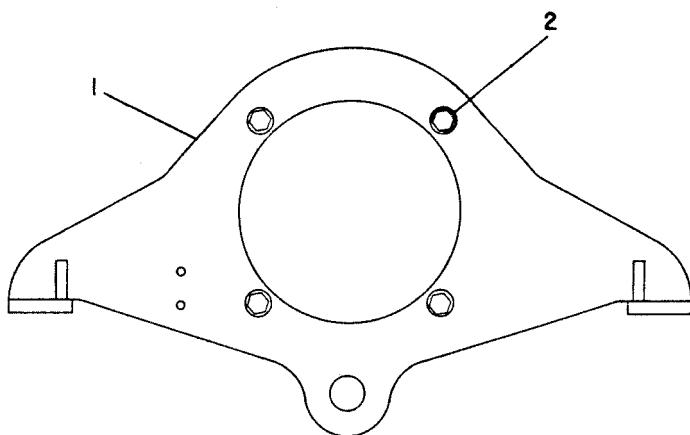
S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1152, 1153, 1154

i01065459

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		4N-4631	1	SUPPORT AS-ENGINE						
2	1		0S-1589	4	BOLT (5/8-11X1.75IN)						
	1		4D-3704	4	WASHER-HARD (5MM THK)						



GRAPHIC #1

g00141591

# BASIC ENGINE

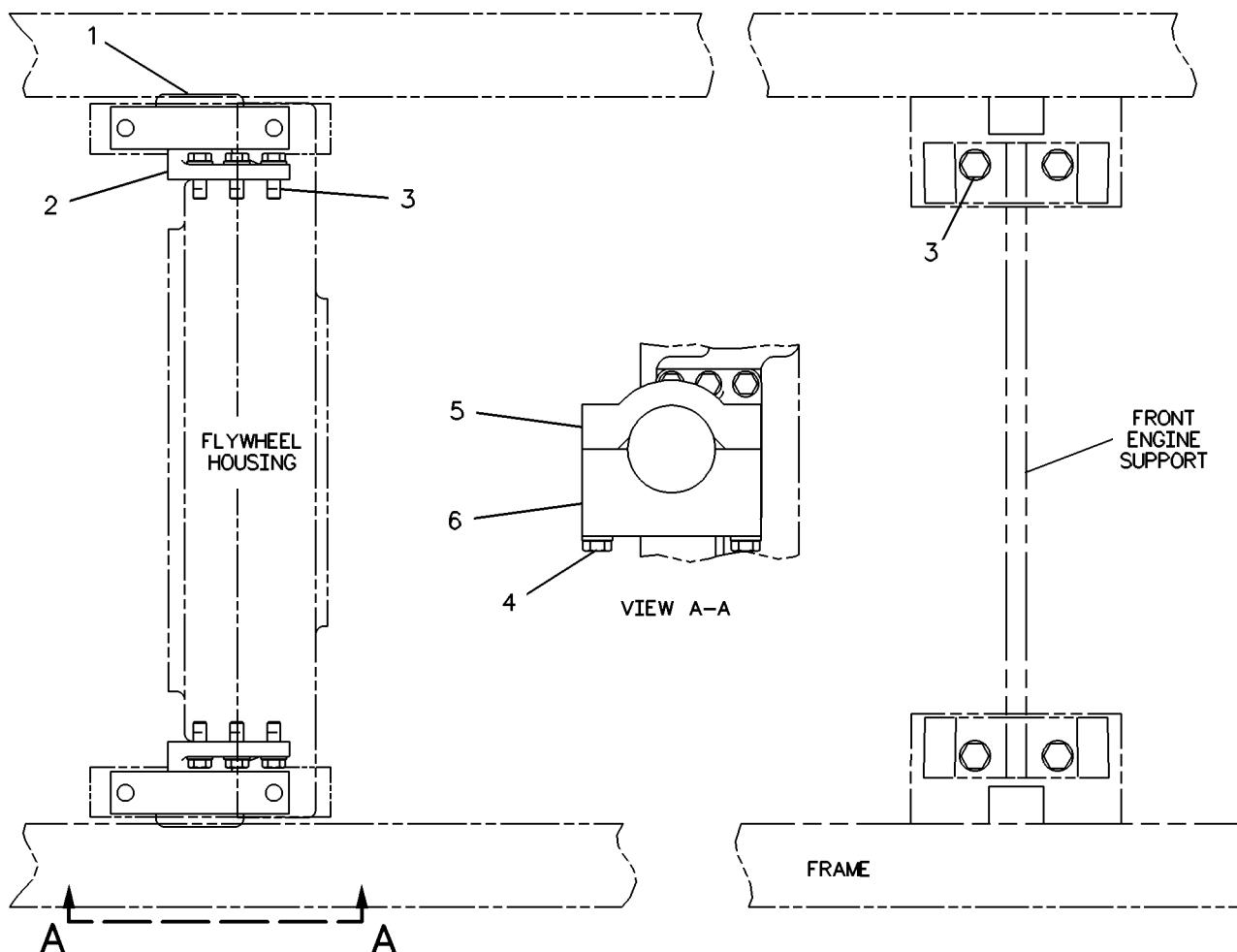
## 9Y-8837 SUPPORT GP-ENGINE

S/N: 9EM1-UP

SMCS-1152, 1153, 1154

i00569719

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		6Y-2065	2	MOUNT AS						
2	1		7E-0658	2	SUPPORT-ENGINE						
3	1		OS-1589	18	BOLT (5/8-11X1.75IN)						
	1		5P-8247	18	WASHER-HARD (3.5MM THK)						
4	1		1D-5976	4	BOLT (7/8-9X7IN)						
	1		5P-8249	4	WASHER (4.0MM THK)						
5	1		7E-0660	2	CAP						
6	1		7E-0659	2	SUPPORT						



GRAPHIC #1

g00222306

# BASIC ENGINE

## 141-8019 SUPPRESSION AR-SOUND

S/N: 9EM1-UP  
FOR USE WITH CAB  
AN ATTACHMENT

SMCS-1801

i01613093

NOTE	PART NUMBER	QTY	PART NAME	SEE PAGE						
			1	2	3	4	5	6	(PRODUCT LEVEL)	
Y	108-1722	1	ENCLOSURE GP-ENGINE							556
Y	111-0592	1	ENGINE AR							14
Y	108-1731	1	LINER GP-SOUND SUPPRESSION							620
Y	7W-6425	1	MUFFLER GP							202
			-OR-							
Y	202-1345	1	MUFFLER GP							204
	130-5158	1	FILM							
			LOCATE FILM ON RH SIDE OF DASH ABOVE LOUVER.							
			LOCATE TO BE SEEN THRU CAB DOOR							
	130-5101	1	FILM-OPERATOR SOUND							
			LOCATE FILM ON RH SIDE OF DASH ABOVE LOUVER.							
			LOCATE TO BE SEEN THRU CAB DOOR							

Y-SEPARATE ILLUSTRATION

# BASIC ENGINE

## 4N-2273 TRUNNION GP - ENGINE

S/N: 41Z1-17251

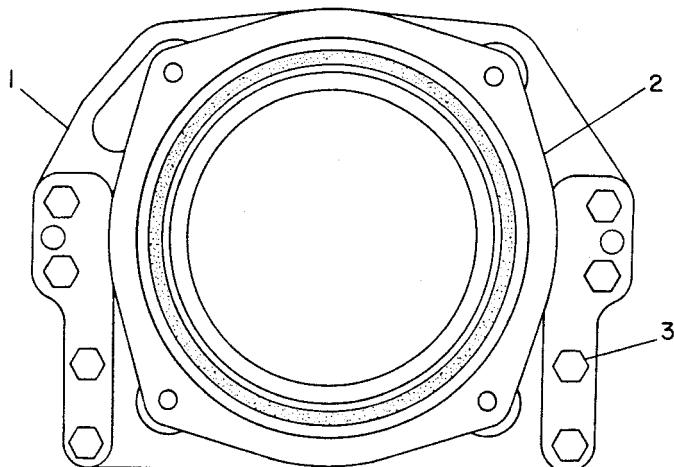
PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1152, 1153, 1154

i01065463

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
C	1	1	4W-6150	1	ADAPTER-SUPPORT						
	2	1	2P-7473	1	MOUNT AS						
C	3	1	2B-2006	8	BOLT (1/2-13X4.75IN)						

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

g00108254

# BASIC ENGINE

## 192-0542 TRUNNION GP-ENGINE

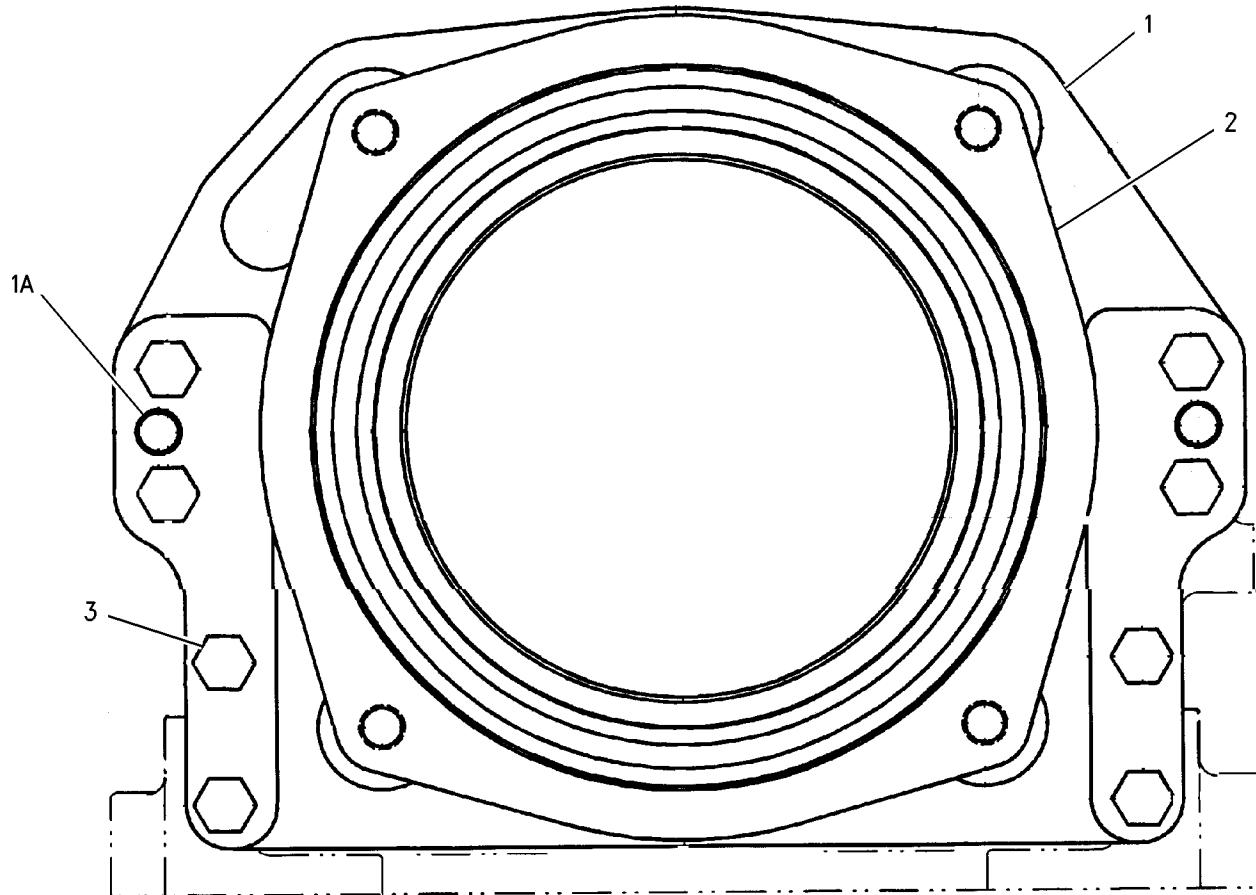
S/N: 41Z17252-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1152, 1153, 1154

i01370417

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		1W-3014	1	ADAPTER AS						
1A	1		4N-0683	2		DOWEL (15.88 X 31.88MM)					
2	1		7N-1210	1	MOUNT AS						
3	1		9X-8876	8	BOLT (1/2-13X4.75 IN)						



GRAPHIC #1

g00712631

# BASIC ENGINE

## 4W-2461 VALVE MECHANISM GP

S/N: 41Z1-20912

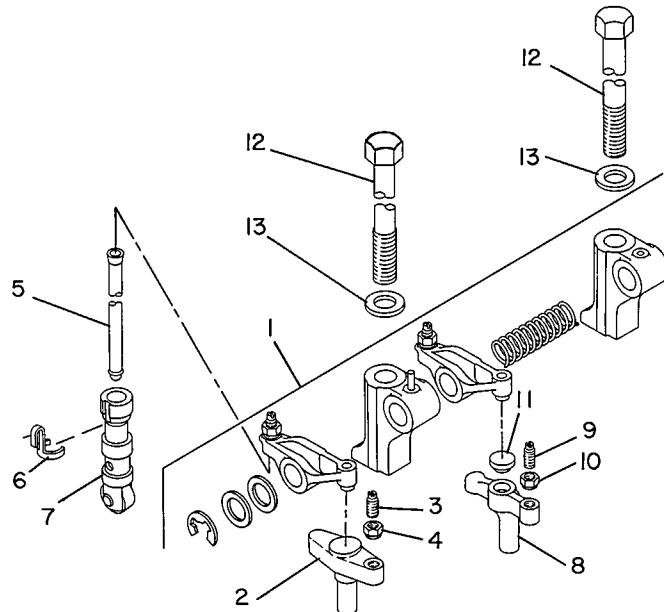
PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1102, 1112, 1121, 1123, 1208, 1209

i00142497

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
Y	1	1	4N-1045	2	ROCKER ARM GP	92
	2	1	101-1818	6	BRIDGE AS-EXHAUST (EACH INCLUDES)	
	3	1	2N-5842	1	SCREW	
	4	1	9L-7712	6	NUT (3/8-24 THD)	
	5	1	4W-5998	12	PUSHROD AS	
	6	1	6N-6872	12	SPRING-GUIDE	
	7	1	101-7788	12	LIFTER AS-VALVE	
	8	1	101-1816	6	BRIDGE AS-INLET (EACH INCLUDES)	
	9	1	2N-5842	1	SCREW	
	10	1	9L-7712	1	NUT (3/8-24 THD)	
	11	1	4N-5607	1	SEAT-WEAR	
	12	1	2P-9845	6	BOLT (3/4-16X11.5IN)	
	13	1	5H-1504	6	WASHER-HARD (5MM THK)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00108407

# BASIC ENGINE

## 214-1666 VALVE MECHANISM GP

S/N: 41Z20913-UP

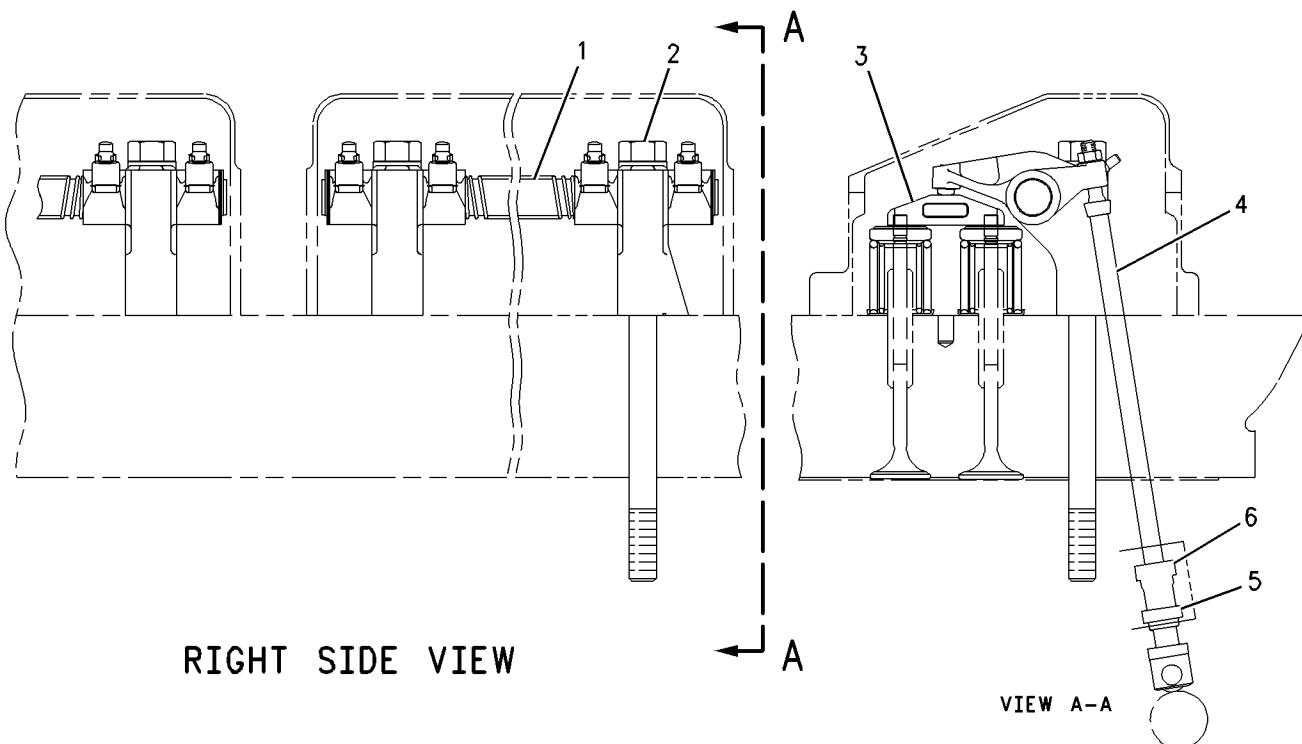
PART OF 105-9697, 111-0592 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1102, 1112, 1121, 1123, 1208, 1209

i01654226

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
Y	1	1	4N-1045	2	ROCKER ARM GP						92
	2	1	2P-9845	6	BOLT (3/4-16X11.5 IN)						
		1	5H-1504	6	WASHER-HARD (20X33.5X5MM THK)						
	3	1	100-6889	12	BRIDGE-VALVE						
	4	1	4W-5998	12	PUSHROD AS						
	5	1	101-7788	12	LIFTER AS-VALVE						
	6	1	6N-6872	12	SPRING-GUIDE						

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00849379

# LUBRICATION SYSTEM

## 9Y-2989 BREather GP

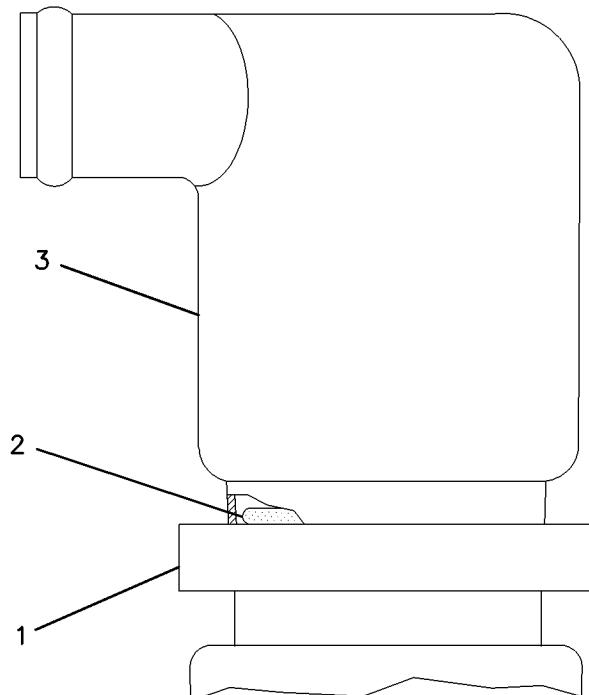
S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1317

i01585379

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		2N-8109	1	CLAMP						
2	1		4F-7390	1	SEAL-O-RING						
3	1		4N-4668	1	BREather AS (CRANKCASE)						



GRAPHIC #1

g00099372

# LUBRICATION SYSTEM

## 4N-2481 FASTENER GP-OIL PUMP MOUNTING

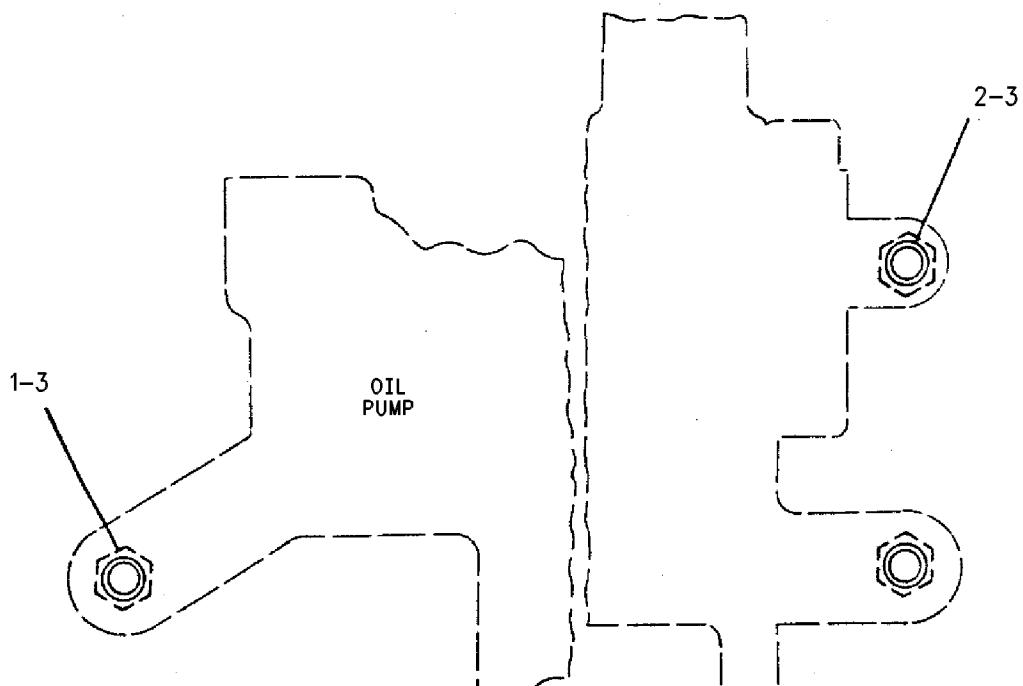
S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1304

i01502981

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		OL-1143	2	BOLT (3/8-16X2.50 IN)						
2	1		OS-1590	1	BOLT (3/8-16X2 IN)						
3	1		5M-2894	3	WASHER-HARD (10.2X18.5X2.5MM THK)						



GRAPHIC #1

g00604525

# LUBRICATION SYSTEM

## 108-1889 FILLER GP-ENGINE OIL

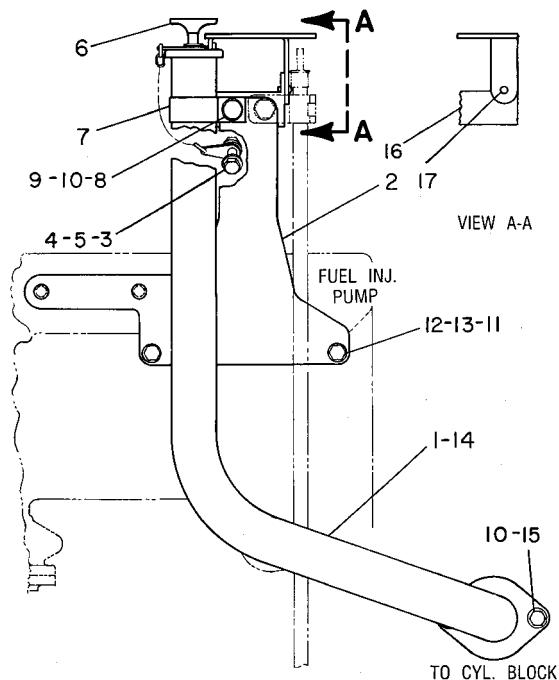
S/N: 41Z1-UP

PART OF 111-0592, 111-0594 ENGINE AR  
AN ATTACHMENT

SMCS-1316

i01231022

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE					
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		7C-7765	1	TUBE AS-FILLER						
2	1		120-8338	1	BRACKET AS						
3	1		0S-1615	1	BOLT (1/4-20X.75 IN)						
4	1		9S-8750	1	NUT-FULL (1/4-20 THD)						
5	1		5P-0537	2	WASHER (2MM THK)						
6	1		6G-9333	1	CAP-OIL FILLER						
7	1		8M-7581	1	CLAMP						
8	1		0S-1571	1	BOLT (3/8-16X1.75IN)						
9	1		9S-8752	1	NUT (3/8-16 THD)						
10	1		5M-2894	4	WASHER (2.5MM THK)						
11	1		9W-4216	2	SPACER						
12	1		1D-4538	2	BOLT (5/16-18X2.25IN)						
13	1		9M-1974	2	WASHER-HARD (2MM THK)						
14	1		7C-0307	1	GASKET						
15	1		0S-1594	2	BOLT (3/8-16X1 IN)						
16	1		7C-6574	1	BRACKET AS						
17	1		6N-2011	2	RIVET						



GRAPHIC #1

g00196572

# LUBRICATION SYSTEM

## 129-7739 FILLER GP-ENGINE OIL

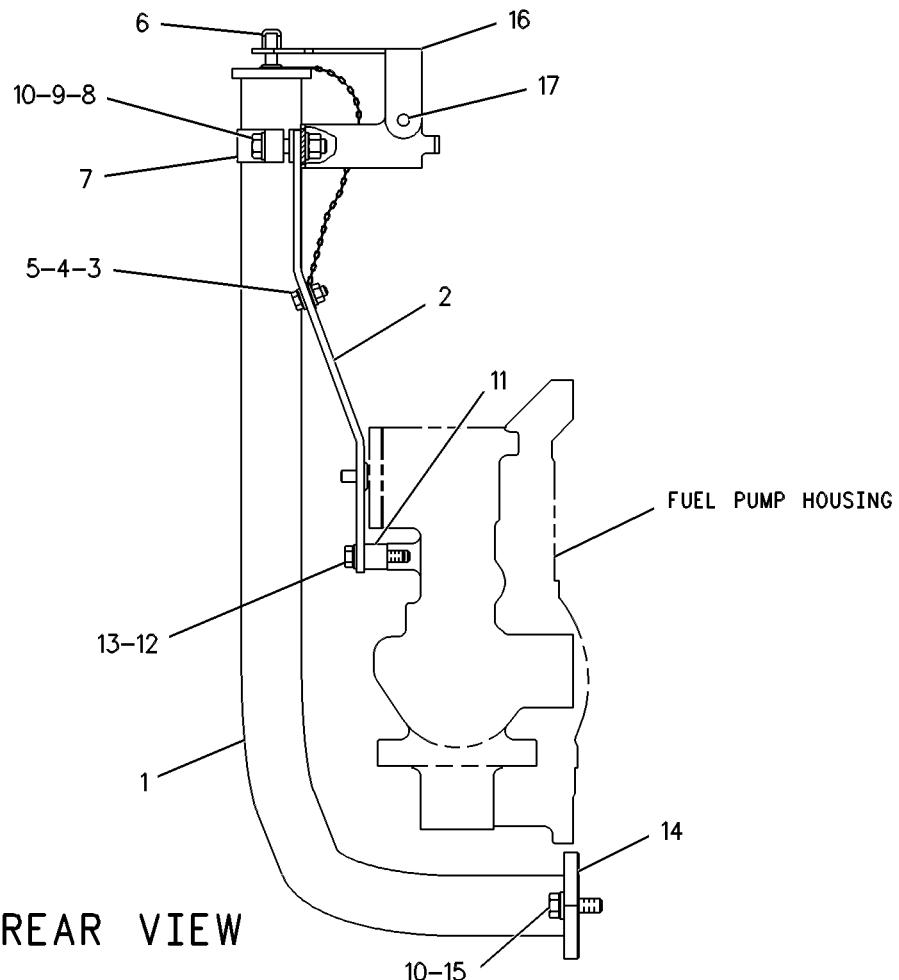
S/N: 41Z1-UP

PART OF 105-9697, 111-0593 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1316

i01640502

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		7C-7765	1	TUBE AS-FILLER						
2	1		128-5941	1	BRACKET AS						
3	1		0S-1615	1	BOLT (1/4-20X0.75 IN)						
4	1		9S-8750	1	NUT-FULL (1/4-20 THD)						
5	1		5P-0537	2	WASHER-HARD (7.2X14.5X2MM THK)						
6	1		6G-9333	1	CAP-FILLER						
7	1		8M-7581	1	CLAMP						
8	1		0S-1571	1	BOLT (3/8-16X1.75 IN)						
9	1		9S-8752	1	NUT-FULL (3/8-16 THD)						
10	1		5M-2894	4	WASHER-HARD (10.2X18.5X2.5MM THK)						
11	1		1K-5888	2	SPACER (.42X.67X.63 IN THK)						
12	1		1B-2790	2	BOLT (5/16-18X1.375 IN)						
13	1		9M-1974	2	WASHER-HARD (8.8X16X2MM THK)						
14	1		7C-0307	1	GASKET						
15	1		1A-2029	2	BOLT (3/8-16X1.125 IN)						
16	1		7C-6574	1	BRACKET AS						
17	1		6N-2011	2	RIVET						



GRAPHIC #1

g00269908

# LUBRICATION SYSTEM

## 7C-4941 FILTER GP-ENGINE OIL

S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1306, 1308, 1318

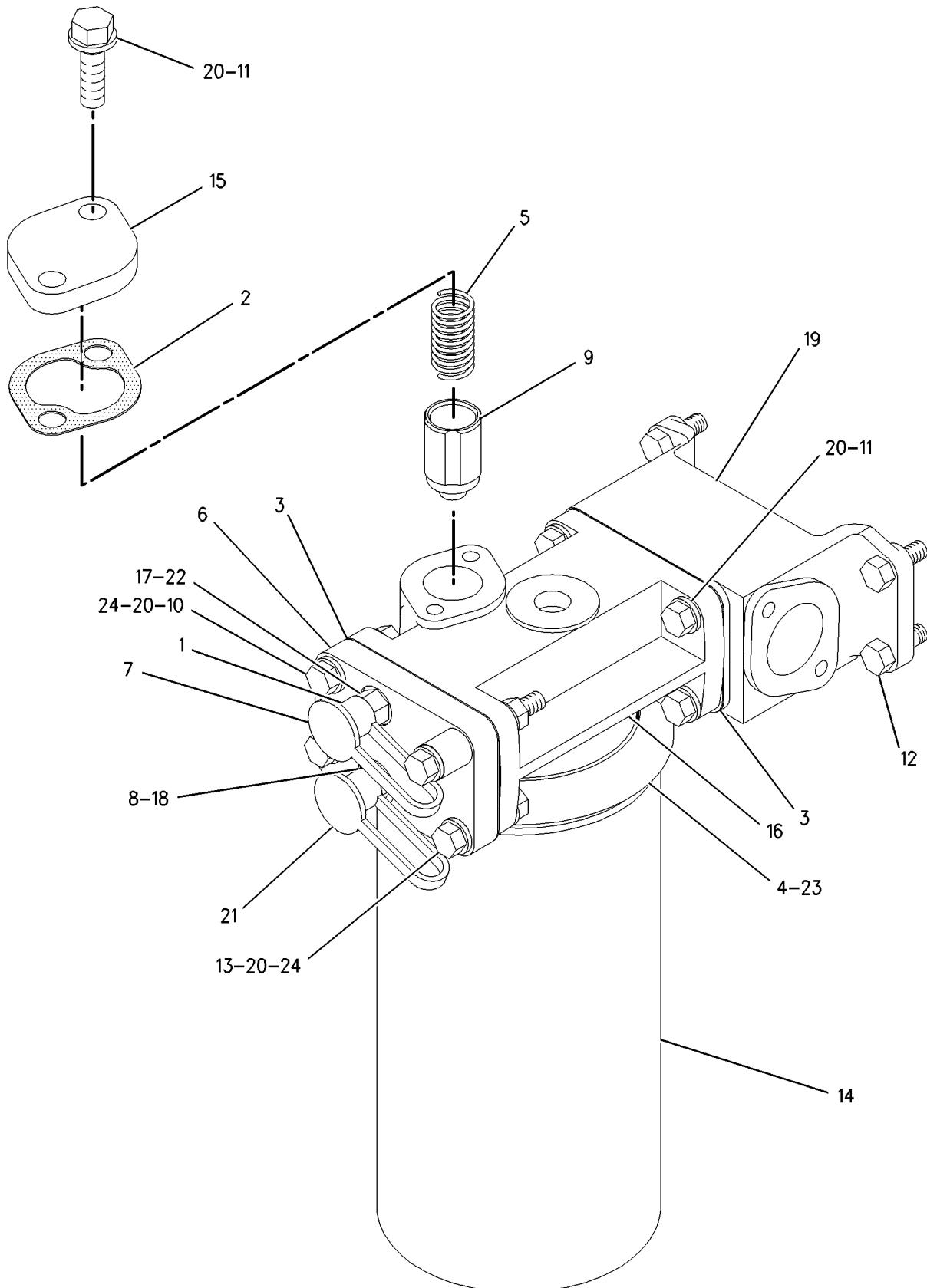
i01502936

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		2B-0941	1	SPACER (10.5X19X19MM THK)						
2	1		2P-3760	1	GASKET						
3	1		2P-4305	2	GASKET						
4	1		4N-7082	1	SHIELD-OIL FILTER						
5	1		4N-8150	1	SPRING						
6	1		7C-4038	1	COVER						
7	1		8C-3445	1	CAP-DUST						
8	1		8C-3446	1	VALVE AS-FLUID SAMPLING						
9	1		9M-0853	1	PLUNGER-RELIEF VALVE						
10	1		OS-1571	4	BOLT (3/8-16X1.75 IN)						
11	1		OS-1588	6	BOLT (3/8-16X1.25 IN)						
12	1		OS-1594	4	BOLT (3/8-16X1 IN)						
13	1		OS-1619	1	BOLT (3/8-16X3 IN)						
14	1		1R-0716	1	FILTER AS-ENGINE OIL						
15	1		2P-3761	1	COVER						
16	1		2P-4301	1	BASE AS						
	1		2P-4304	1	STUD-TAPERLOCK						
17	1		3J-1907	1	SEAL-O-RING						
18	1		3J-7354	1	SEAL-O-RING						
19	1		4N-0827	1	ADAPTER-FILTER						
20	1		5M-2894	14	WASHER-HARD (10.2X18.5X2.5MM THK)						
21	1		6V-0852	1	CAP-DUST						
22	1		6V-3965	1	FITTING AS (QUICK DISCONNECT)						
23	1		7F-9090	2	SCREW-DRIVE (NO 8X3/8 IN)						
24	1		9S-8752	4	NUT-FULL (3/8-16 THD)						

# LUBRICATION SYSTEM

7C-4941 FILTER GP-ENGINE OIL (contd.)

i01502936



GRAPHIC #1

g00737689

# LUBRICATION SYSTEM

## 109-9944 FUMES DISPOSAL GP

S/N: 9EM1-970

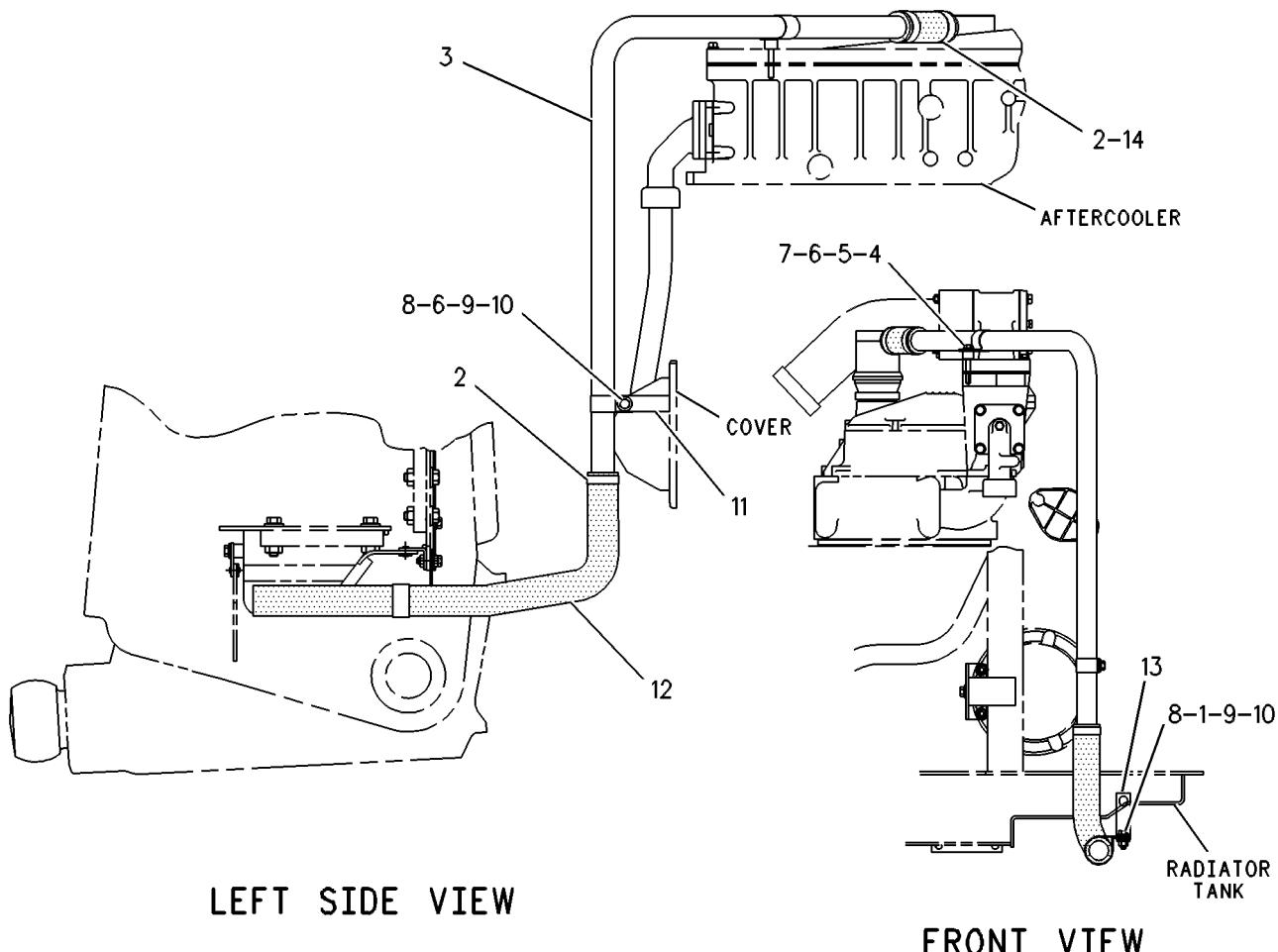
SMCS-1317

i01065796

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	7D-1553	1	CLIP (47.62MM ID)	
	2	1	9M-2904	3	CLAMP-HOSE	
BE	3	1	116-2128	1	TUBE	
	4	1	5P-2955	1	BOLT (5/16-18X2.50IN)	
	5	1	5P-4116	1	WASHER	
	6	1	2S-2053	2	CLIP (34.92MM ID)	
	7	1	1L-5081	1	SPACER (9/16IN THK)	
	8	1	4L-6454	2	BOLT	
	9	1	5P-1075	4	WASHER	
	10	1	6V-8801	2	NUT	
	11	1	112-9069	1	BRACKET	
BE	12	1	5P-1255		HOSE	
	13	1	4N-7250	1	SUPPORT	
BE	14	1	5P-1255		HOSE	

B-USE AS REQUIRED

E-ORDER BY THE CENTIMETER



GRAPHIC #1

g00268648

# LUBRICATION SYSTEM

## 183-2352 FUMES DISPOSAL GP

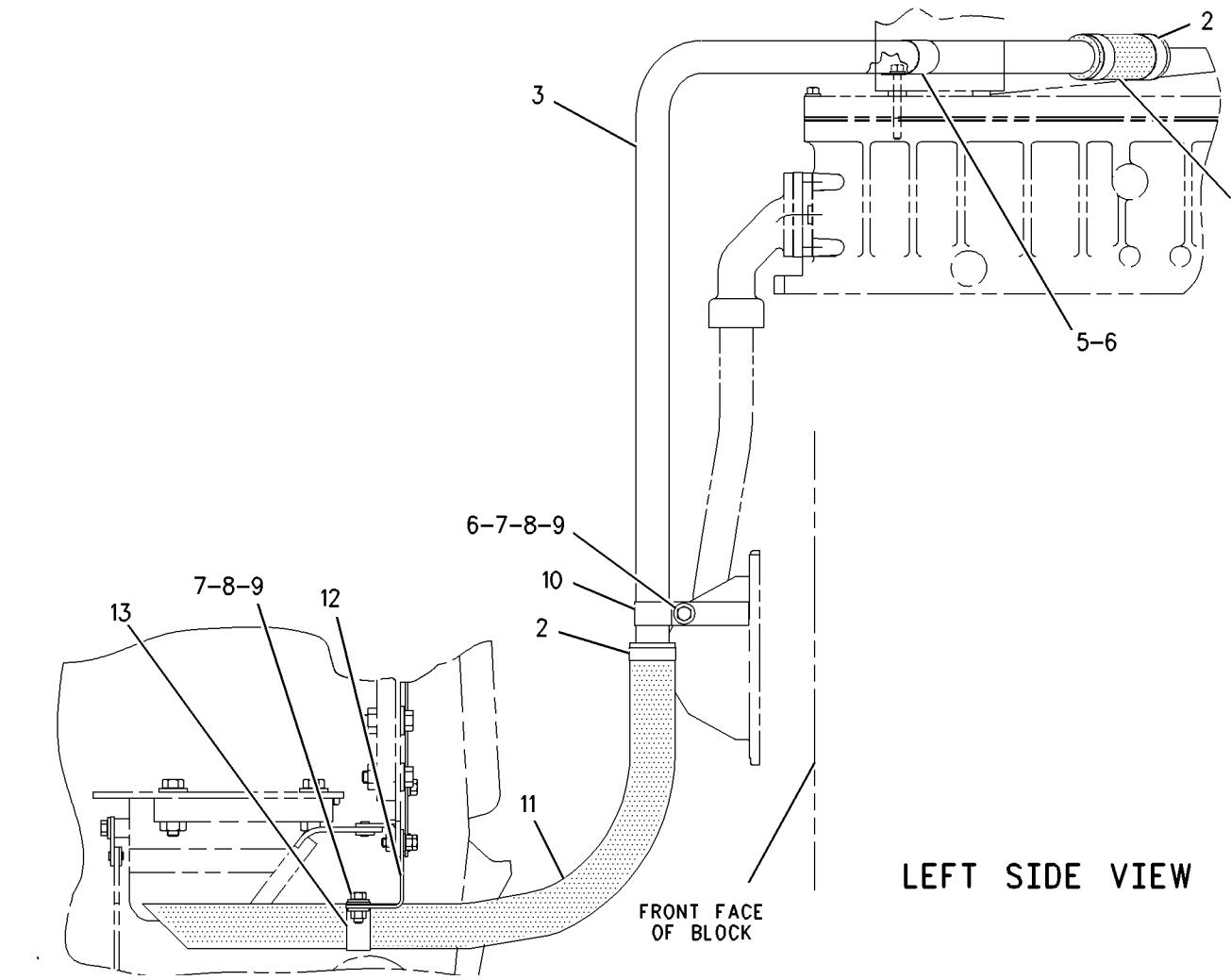
S/N: 9EM971-UP

SMCS-1317

i01399422

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
E	1	1	5P-1255	1	HOSE (9 CM)							
2	1		9M-2904	3	CLAMP-HOSE							
3	1		116-2128	1	TUBE							
5	1		5P-4116	1	WASHER-HARD (8.8X20.5X2MM THK)							
6	1		2S-2053	2	CLIP (34.92MM ID)							
7	1		4L-6454	2	BOLT (3/8-16X1 IN)							
8	1		5P-1075	4	WASHER-HARD (10.2X22.5X3MM THK)							
9	1		6V-8801	2	NUT (3/8-16 THD)							
10	1		112-9069	1	BRACKET							
E	11	1	5P-1255	1	HOSE (76 CM)							
12	1		4N-7250	1	SUPPORT							
13	1		7D-1553	1	CLIP							

E-ORDER BY THE CENTIMETER



GRAPHIC #1

g00737419

# LUBRICATION SYSTEM

## 2W-2653 GAUGE GP-OIL LEVEL (DIPSTICK)-LH

S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

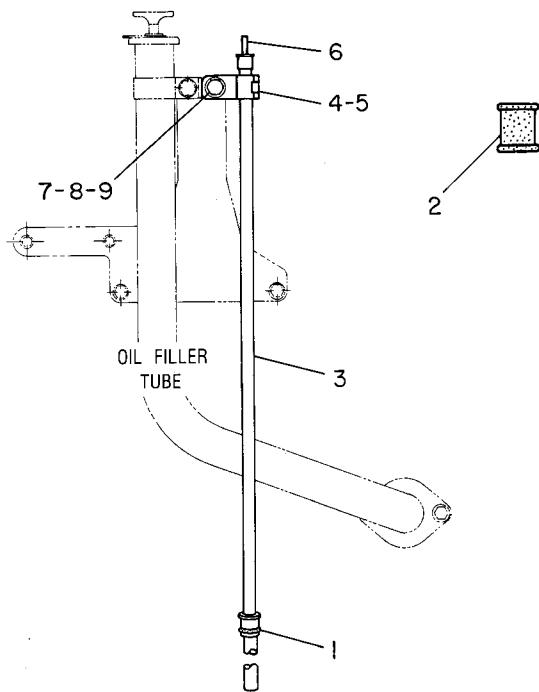
SMCS-1326

i00569920

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE					
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		118-5068	1	SEAL-O-RING (15.54MM ID)						
J	2	1	4N-0999	3	PLUG						
C	3	1	7C-7764	1	GUIDE AS-GAUGE						
4	1		6V-4435	1	CLIP (SLOT)						
5	1		6V-4436	1	CLIP (TAB)						
C	6	1	7C-7809	1	GAUGE AS-OIL LEVEL (DIPSTICK)						
7	1		3B-1915	1	BOLT (3/8-16X1.375IN)						
8	1		9S-8752	1	NUT-FULL (3/8-16 THD)						
9	1		5M-2894	2	WASHER (2.5MM THK)						

C-CHANGE FROM PREVIOUS TYPE

J-USE TO PLUG OPTIONAL DIPSTICK LOCATION HOLES IN BLOCK



GRAPHIC #1

g00184356

# LUBRICATION SYSTEM

## 4W-3821 LINES GP - ENGINE OIL

S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1307

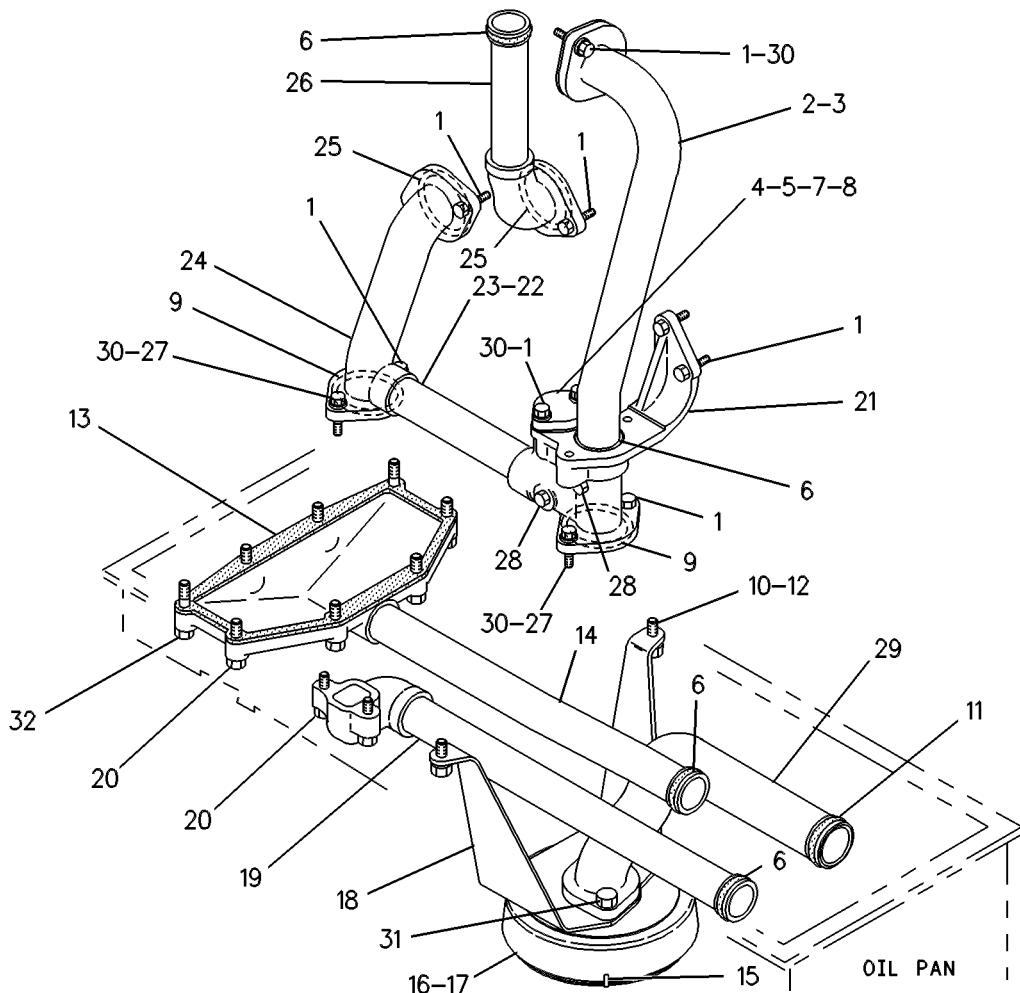
i00570539

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		OS-1594	12	BOLT (3/8-16X1IN)	
2	1		1W-6135	1	TUBE AS-OIL FILTER INLET	
3	1		4N-0933	1	GASKET	
4	1		2P-3761	1	COVER	
5	1		2P-3760	1	GASKET	
6	1		109-0078	4	SEAL-O-RING (33.47MM ID)	
7	1		4N-8150	1	SPRING	
8	1		1P-1367	1	PLUNGER	
9	1		109-0076	2	SEAL-O-RING (50.17MM ID)	
10	1		0L-1351	2	BOLT (3/8-16X.875IN)	
11	1		109-0072	1	SEAL-O-RING (40.64MM ID)	
12	1		9X-6458	2	WASHER-HARD (3MM THK)	
13	1		4N-7489	1	SCREEN-INLET	
14	1		4N-7497	1	TUBE AS-INLET	
15	1		4N-0914	1	CLIP (SUCTION SCREEN)	
16	1		4N-0913	1	SCREEN AS-BELL	
17	1		8N-2104	1	BELL AS-SUCTION	
	1		9F-2978	2	NUT-WELD (3/8-16 THD)	
18	1		4N-6229	1	SUPPORT-BELL	
19	1		4N-0995	1	TUBE AS	
20	1		OS-1591	8	BOLT (3/8-16X1.5IN)	
21	1		4N-1215	1	BODY-COOLER BYPASS	
22	1		2N-3350	2	SEAL-O-RING	
23	1		4N-1216	1	TUBE-COOLER BYPASS	
24	1		4N-0826	1	ELBOW-COOLER INLET	
25	1		109-0073	2	SEAL-O-RING (43.82MM ID)	
26	1		1W-6137	1	TUBE AS	
27	1		OS-1588	2	BOLT (3/8-16X1.25IN)	
28	1		5M-6213	2	PLUG	
29	1		4N-6228	1	PIPE AS-PUMP SUCTION	
30	1		5M-2894	6	WASHER (2.5MM THK)	
31	1		1A-2029	2	BOLT (3/8-16X1.125IN)	
32	1		OS-1590	2	BOLT (3/8-16X2IN)	

# LUBRICATION SYSTEM

4W-3821 LINES GP-ENGINE OIL (contd.)

i00570539



GRAPHIC #1

g00255085

# LUBRICATION SYSTEM

## 4W-0200 LINES GP - TURBOCHARGER OIL

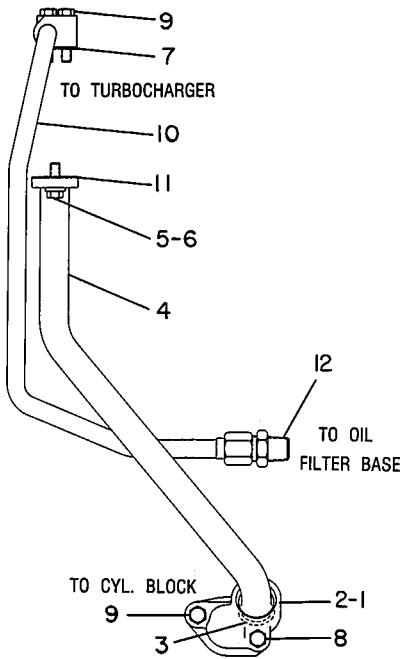
S/N: 41Z1-UP

PART OF 105-9697, 111-0592 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1052, 1307

i00570533

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		4N-0699	1	GASKET							
2	1		4N-2040	1	ELBOW-DRAIN							
3	1		114-2687	1	SEAL-O-RING (23.16MM ID)							
4	1		4W-0201	1	TUBE AS							
5	1		0S-1594	2	BOLT (3/8-16X1IN)							
6	1		5M-2894	2	WASHER (2.5MM THK)							
7	1		1S-6595	1	GASKET							
8	1		0S-1619	1	BOLT (3/8-16X3IN)							
9	1		0S-1571	3	BOLT (3/8-16X1.75IN)							
10	1		4W-0203	1	TUBE AS							
11	1		1S-4810	1	GASKET-OIL DRAIN							
12	1		9M-6522	1	CONNECTOR-FLARED							



GRAPHIC #1

g00108243

# LUBRICATION SYSTEM

## 7C - 1662 LINES GP - TURBOCHARGER OIL

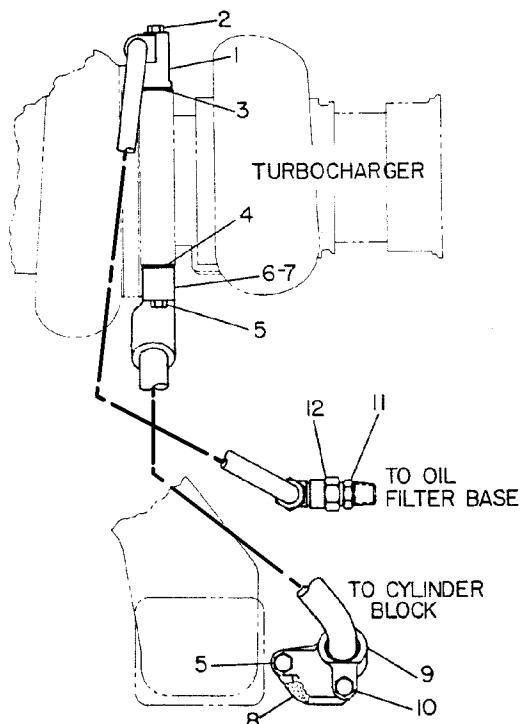
S/N: 41Z1-UP

PART OF 111-0593, 111-0594 ENGINE AR  
AN ATTACHMENT

SMCS-1052, 1307

i00144918

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		4P-5479	1	TUBE AS						
2	1		OL-1143	2	BOLT (3/8-16X2.5IN)						
3	1		4H-9541	1	GASKET						
4	1		7N-7559	1	GASKET						
5	1		OS-1571	3	BOLT (3/8-16X1.75IN)						
6	1		7C-1661	1	TUBE AS-DRAIN						
7	1		114-2687	1	SEAL-O-RING (23.16MM ID)						
8	1		4N-0699	1	GASKET						
9	1		4N-2040	1	ELBOW-DRAIN						
10	1		OS-1619	1	BOLT (3/8-16X3IN)						
11	1		9M-6522	1	CONNECTOR-FLARED						
12	1		030-7972	1	ELBOW						



GRAPHIC #1

g00111201

# LUBRICATION SYSTEM

## 108-4313 OIL CHANGE GP-HIGH SPEED

S/N: 9EM1-UP

AN ATTACHMENT

SMCS-1325

i01263819

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	2P-1286	1	LOCKNUT-BULKHEAD	
	2	1	2V-2043	1	LOCKNUT-FLARED	
	3	1	6V-9832	1	CAP AS (1-3/16-12 THD)	
	4	1	8P-9679	1	SPACER	
	5	1	110-8319	1	RECEIVER AS (TRANSMISSION OIL)	
		1	110-8318	1	CAP	
	6	1	110-8827	1	RECEIVER AS (ENGINE OIL)	
		1	110-8826	1	CAP	
	7	1	112-3378	1	BRACKET	
I	8	1	112-3380	1	HOSE AS	
	9	1	143-9512	1	TUBE AS	
	10	1	148-8317	1	CONNECTOR AS	
		1	3D-2824	1	SEAL-O-RING (23.47MM ID)	
		1	5K-9090	1	SEAL-O-RING (23.52MM ID)	
		1	6V-8714	1	CONNECTOR-SEAL	
	11	1	148-8339	2	CONNECTOR AS (EACH INCLUDES)	
		1	6V-8716	1	CONNECTOR-SEAL	
		1	6V-9746	1	SEAL-O-RING (18.94MM ID)	
		1	7M-8485	1	SEAL-O-RING (29.74MM ID)	
	12	1	148-8355	1	ELBOW AS	
		1	5K-9090	1	SEAL-O-RING (23.52MM ID)	
		1	6V-9005	1	ELBOW-45 DEGREE	
		1	7M-8485	1	SEAL-O-RING (29.74MM ID)	
	13	1	148-8392	1	ELBOW AS	
		1	6V-9746	1	SEAL-O-RING (18.94MM ID)	
		1	6V-9853	1	ELBOW-SWIVEL (1 3/16-12 THD)	
	14	1	148-8449	1	TEE AS-SWIVEL	
		1	6V-9746	2	SEAL-O-RING (18.94MM ID)	
		1	6V-9839	1	TEE	
	15	1	4D-7388	1	CLIP (34.92MM ID)	
	16	1	4L-6454	1	BOLT (3/8-16X1 IN)	
	17	1	4L-6459	1	BOLT (3/8-16X2.5IN)	
	18	1	5N-2840	1	CLIP (31.75MM ID)	
	19	1	5P-1075	2	WASHER-HARD (3MM THK)	
AF	1	126-7538	1		NOZZLE AS (TRANSMISSION OIL)	
AF	1	126-7539	1		NOZZLE AS (ENGINE OIL)	

A-NOT PART OF THIS GROUP

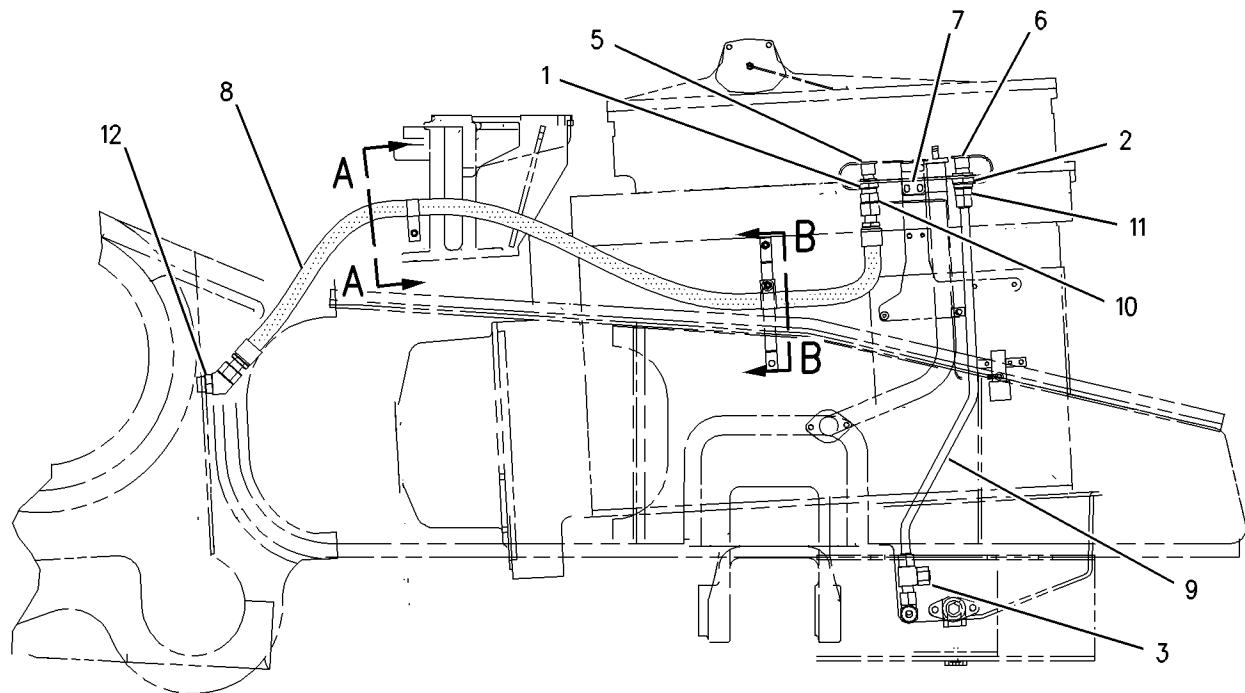
F-NOT SHOWN

I-SEE HOSE FABRICATION GUIDE

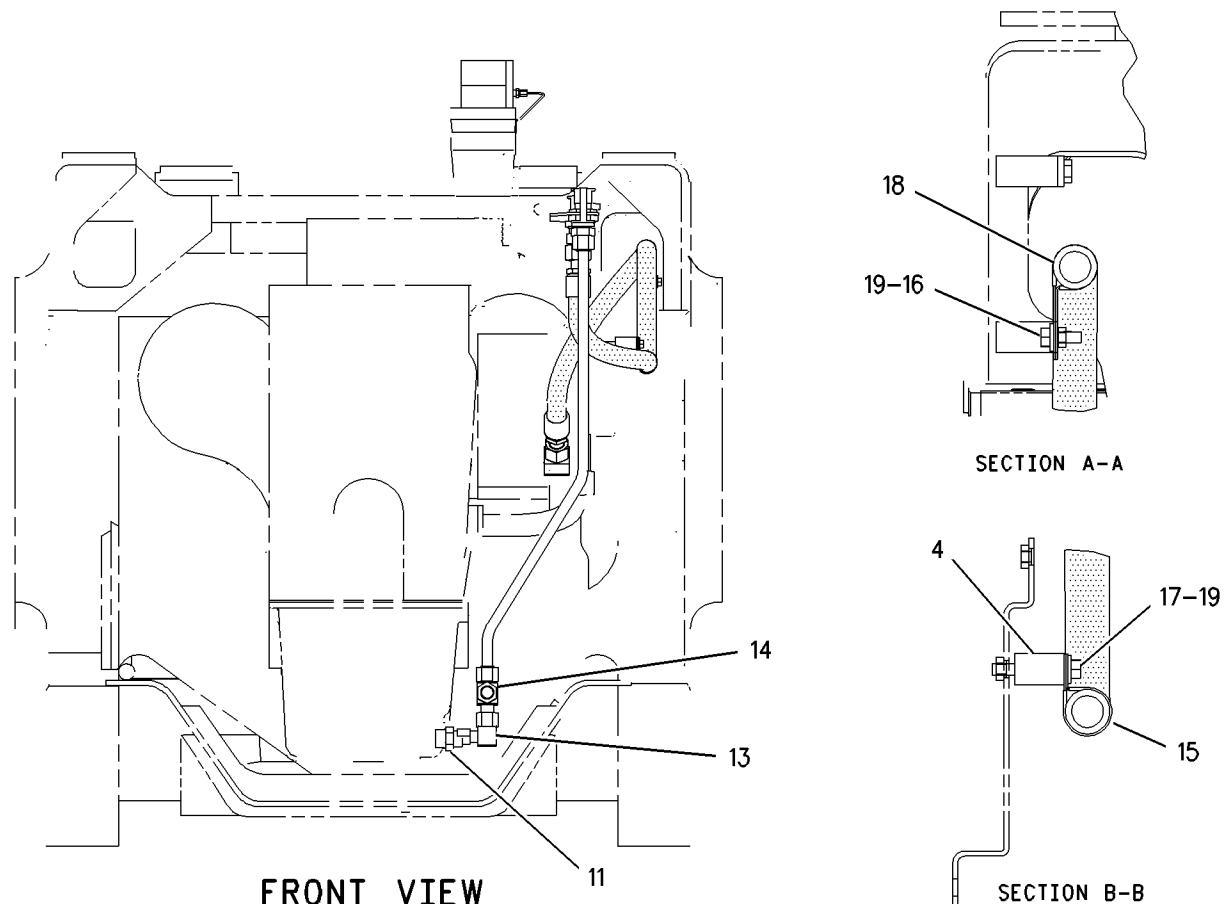
# LUBRICATION SYSTEM

108-4313 OIL CHANGE GP-HIGH SPEED (contd.)

i01263819



RIGHT SIDE VIEW



GRAPHIC #1

g00672345

# LUBRICATION SYSTEM

## 115-8394 PRELUBRICATION AR-ENGINE

S/N: 9EM1-UP

AN ATTACHMENT

SMCS-1319

i01469269

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	2	8M-2772	1	CLIP	
	2	2	5P-8167	1	BOLT (3/8-16X0.625 IN)	
	3	1,2	8T-4896	4	WASHER-HARD (10.2X18.5X2.5MM THK)	
	4	2	3B-7721	1	BUSHING-REDUCER	
	5	2	105-9152	1	SWITCH AS-PRESSURE (OIL)	
		2	3E-3365	1	WEDGE-RECEPTACLE LOCK (2 PIN)	
		2	8T-8729	2	PIN-CONNECTOR	
		2	102-8802	1	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE & WEDGE)	
	6	2	6D-4244	2	CLIP	
	7	1	179-0006	1	SWITCH AS-MAGNETIC (PRESSURE TIMER)	
		1	1B-2578	2	NUT (3/8-16 THD)	
		1	4D-1326	2	LOCKWASHER	
		1	4L-6499	2	WASHER (0.38X0.88X0.02 IN THK)	
		1	6V-8378	2	NUT (10-32 THD)	
		1	7X-0620	2	WASHER-HARD (5.5X13X1.6MM THK)	
		1	8F-1434	2	LOCKWASHER	
	8	1,2	148-8393	2	ELBOW AS (EACH INCLUDES)	
		1,2	6V-9852	1	ELBOW-SWIVEL	
		1,2	7J-9108	1	SEAL-O-RING	
I	9	1	118-3617	1	HOSE AS	
	10	1	6V-9832	1	CAP AS	
Y	11	1	124-9780	1	STARTING MOTOR GP-PRELUB SYS	412
	12	1	4N-1059	1	GASKET	
	13	1	8S-2332	3	BOLT-12 POINT HEAD (5/8-11X1.75 IN)	
	14	1	8T-9364	4	BOLT (1/4-20X0.625 IN)	
	15	1	148-8449	1	TEE GP-SWIVEL	
		1	6V-9839	1	TEE-SWIVEL	
		1	6V-9746	2	SEAL-O-RING	
	16	2	123-5150	1	VALVE-CHECK	
I	17	1	120-6545	1	HOSE AS-ORFS	
	18	1,2	2M-9780	2	SEAL-O-RING	
	19	1	7J-9108	1	SEAL-O-RING	
	20	1	2P-4305	1	GASKET	
	21	1	127-5084	1	COVER	
	22	1	7K-1181	5	STRAP-CABLE	
	23	2	125-0473	1	FILM-NOTICE (PRE-LUBRICATION PUMP)	
	24	1	3T-0049	1	CLIP	
	25	1	8T-4205	4	WASHER-HARD (7.2X14.5X2MM THK)	
	26	1	148-8322	1	CONNECTOR GP	
		1	6V-8640	1	CONNECTOR-SEAL	
		1	2M-9780	1	SEAL-O-RING	
		1	6V-9746	1	SEAL-O-RING	
	27	1	148-8342	1	CONNECTOR GP	
		1	6V-8632	1	CONNECTOR	
		1	3K-0360	1	SEAL-O-RING	
		1	7J-9108	1	SEAL-O-RING	
	28	1	140-3108	1	TIMER	
	29	2	0S-1590	4	BOLT (3/8-16X2 IN)	
	30	1	8M-2770	1	CLIP	
	31	1	187-9044	1	HARNESS AS	
	32	1	4P-7581	1	CLIP	
	33	1	4L-9337	1	BOLT (3/8-16X1.5 IN)	
	34	1	4P-8134	1	CLIP	
	35	1	177-3662	1	PLATE AS	

# LUBRICATION SYSTEM

115-8394 PRELUBRICATION AR-ENGINE (*contd.*)

i01469269

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
37	1		129-2327	1	ELBOW						
38	1		129-6268	1	HARNESS AS						
39	1		1Q-3553	1	RETAINER						
40	1		6K-8180	1	GROMMET						
41	1		148-8339	1	CONNECTOR GP						
	1		6V-8716	1	CONNECTOR						
	1		6V-9746	1	SEAL-O-RING						
	1		7M-8485	1	SEAL-O-RING						
42	1		5P-4115	2	WASHER-HARD (7.2X19X2MM THK)						
43	1		5S-7379	2	BOLT (3/8-16X0.875 IN)						
44	1		8T-9367	2	BOLT (1/4-20X2 IN)						

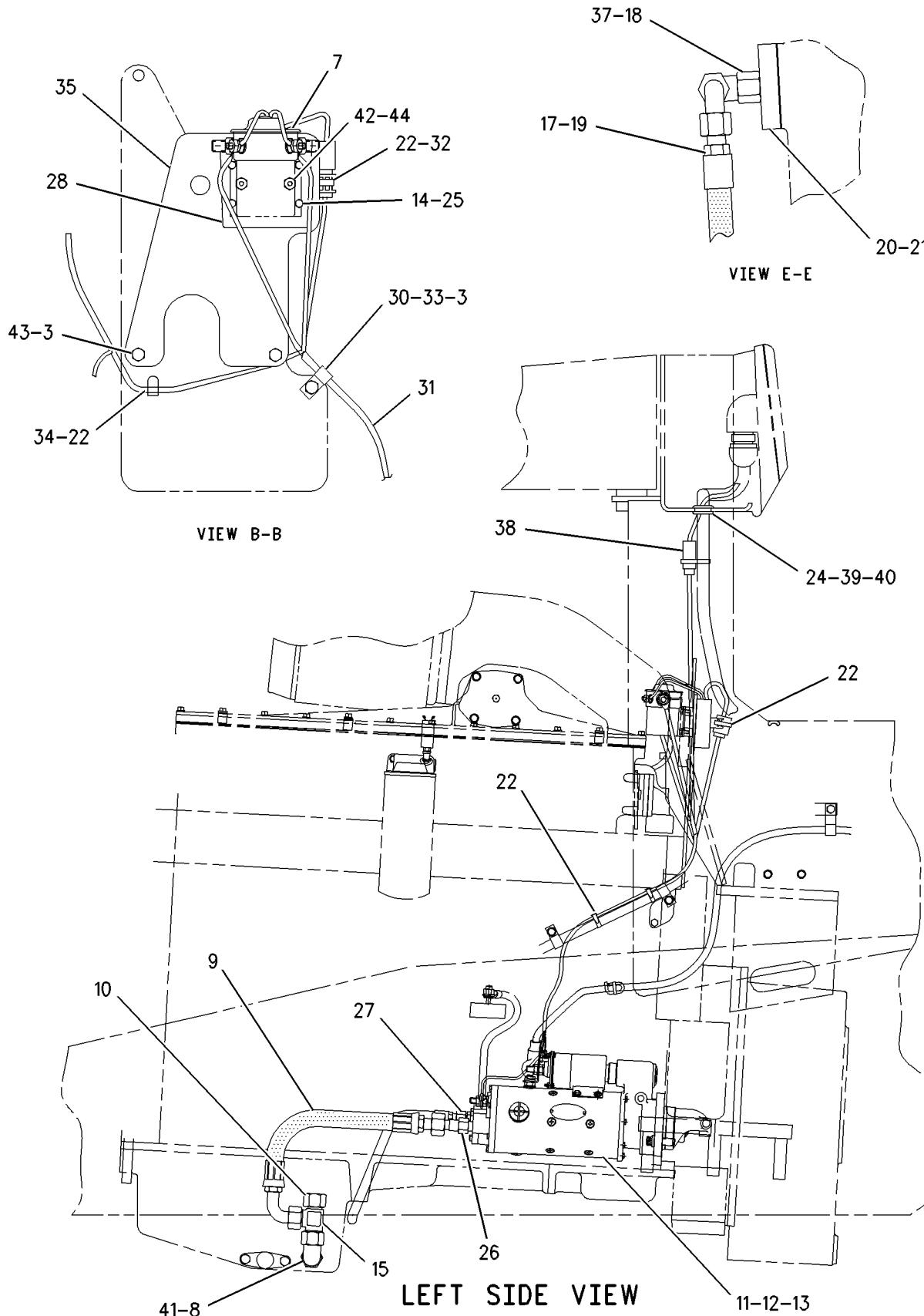
I-SEE HOSE FABRICATION GUIDE

Y-SEPARATE ILLUSTRATION

# LUBRICATION SYSTEM

115-8394 PRELUBRICATION AR-ENGINE (contd.)

i01469269



GRAPHIC #1

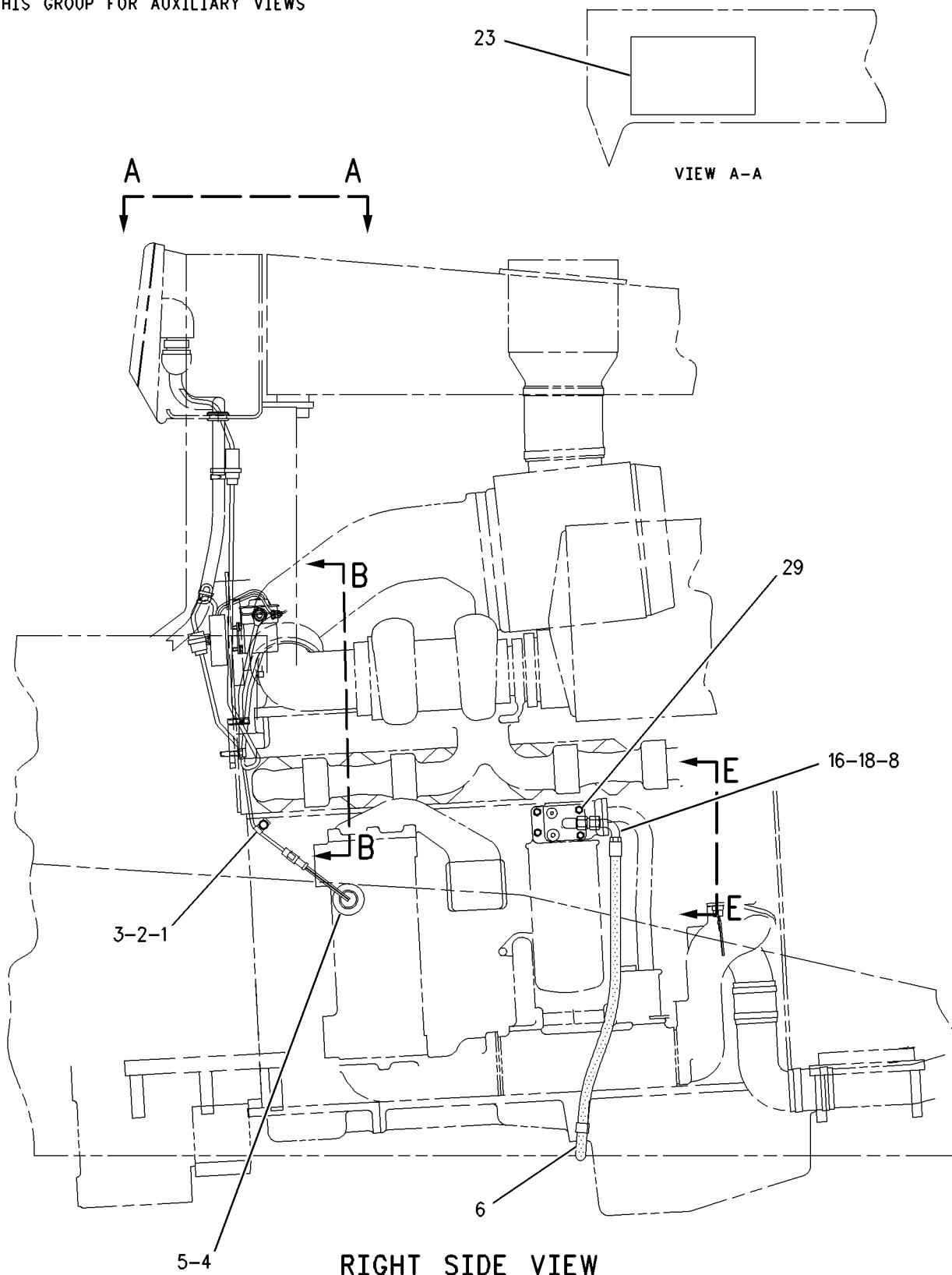
g00752672

# LUBRICATION SYSTEM

115-8394 PRELUBRICATION AR-ENGINE (contd.)

i01469269

REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS



RIGHT SIDE VIEW

GRAPHIC #2

g00701203

# LUBRICATION SYSTEM

## 4N-0735 PUMP GP - ENGINE OIL\*<sup>R</sup>

S/N: 41Z1-7196, 7198-7269, 12895-13326

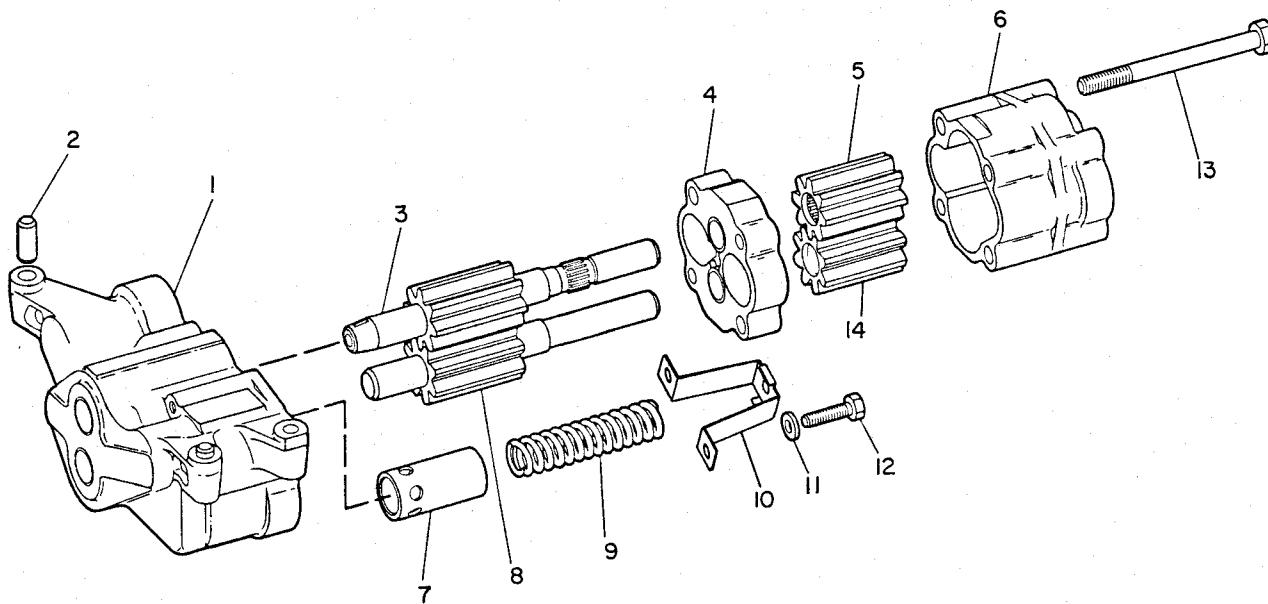
PART OF 105-9697 ENGINE AR

SMCS-1304, 1315

i00570488

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
	1	1	4N-0513	1	BODY AS-OIL PUMP							
C	1		7N-2156	2	BEARING-SLEEVE (27.013MM OD)							
	2	1	8M-8489	2	DOWEL (12.54MM DIA)							
	3	1	4P-8891	1	SHAFT AS-PUMP							
	4	1	4N-5339	1	SPACER AS-OIL PUMP							
		1	7N-2155	1	BEARING							
	5	1	7W-7142	1	GEAR (8 TEETH)							
	6	1	4N-0587	1	BODY AS-PUMP							
		1	7N-2213	2	BEARING							
	7	1	6N-1931	1	PLUNGER-RELIEF							
	8	1	4P-8892	1	SHAFT AS-PUMP							
	9	1	2S-2760	1	SPRING							
C	10	1	9Y-1800	1	RETAINER							
	11	1	5M-2894	2	WASHER (2.5MM THK)							
	12	1	1M-0644	2	BOLT (3/8-16X2-1/4 IN)							
	13	1	5F-4899	4	BOLT (3/8-16X5.5IN)							
	14	1	7W-6529	1	GEAR (8 TEETH)							

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

g00125664

# LUBRICATION SYSTEM

## 4N-8735 PUMP GP-ENGINE OIL\*R

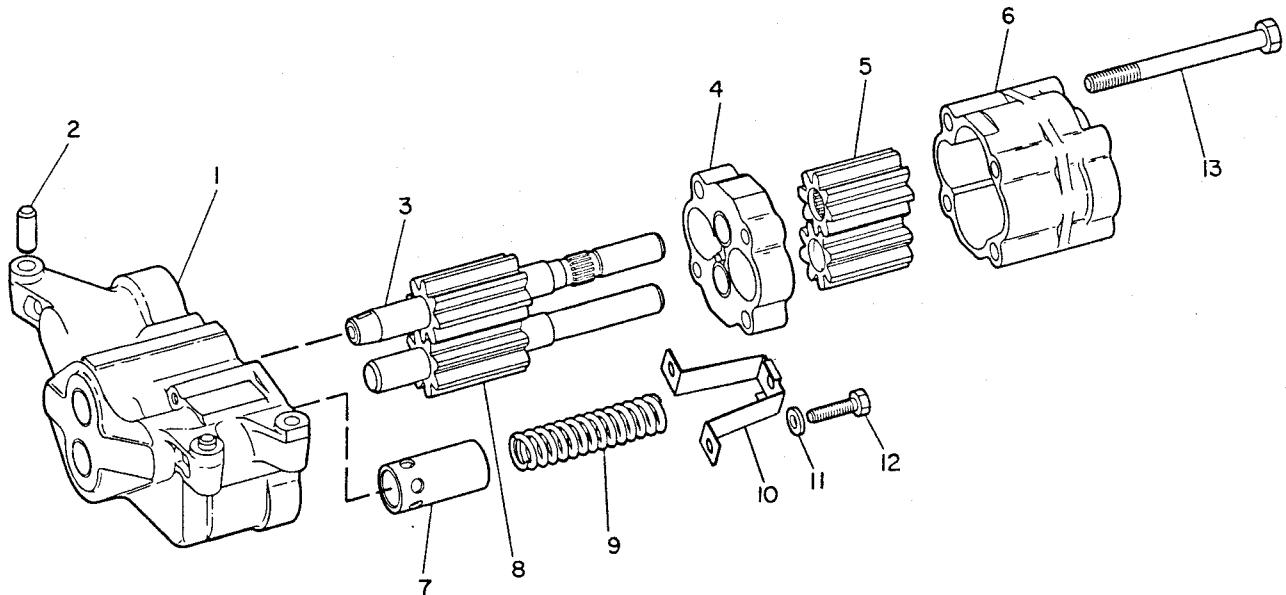
S/N: 41Z7270-12894

PART OF 105-9697 ENGINE AR

SMCS-1304, 1315

i00718912

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
1	1		4N-0513	1	BODY AS-OIL PUMP							
			1	4N-5342	2	BEARING-SLEEVE						
2	1		8M-8489	2	DOWEL (12.54MM DIA)							
3	1		4P-8891	1	SHAFT AS-PUMP							
4	1		4N-5339	1	SPACER AS-OIL PUMP							
			1	4N-5341	2	BEARING						
5	1		4N-5029	2	GEAR (8 TEETH)							
6	1		4N-0587	2	BODY AS-PUMP							
7	1		6N-1931	1	PLUNGER-RELIEF							
8	1		4P-8892		SHAFT AS-PUMP							
9	1		2S-2760	1	SPRING							
10	1		9Y-1792	1	RETAINER							
11	1		5M-2894	2	WASHER (2.5MM THK)							
12	1		1M-0644	2	BOLT (3/8-16X2-1/4 IN)							
13	1		5F-4899	4	BOLT (3/8-16X5.5IN)							



GRAPHIC #1

g00192651

# LUBRICATION SYSTEM

## 161-4112 PUMP GP - ENGINE OIL

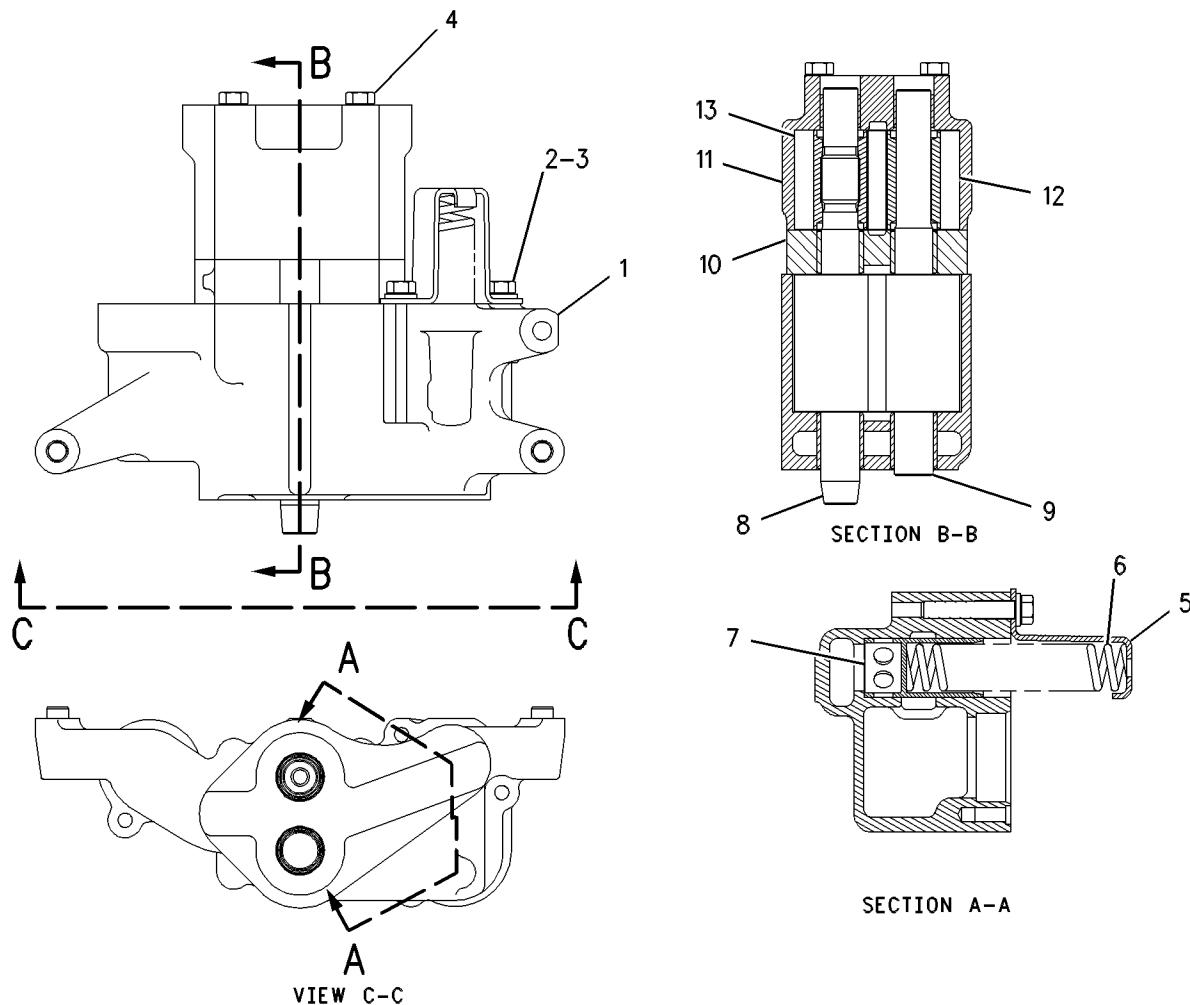
S/N: 41Z13327-19777

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1304, 1315

i01223987

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		4N-0513	1	BODY AS-OIL PUMP						
	1		7N-2156	2	BEARING-SLEEVE (27.013MM OD)						
	1		8M-8489	2	DOWEL (12.54MM DIA)						
2	1		1M-0644	2	BOLT (3/8-16X2-1/4 IN)						
3	1		5M-2894	2	WASHER (2.5MM THK)						
4	1		5F-4899	4	BOLT (3/8-16X5.5IN)						
5	1		9Y-1800	1	RETAINER						
6	1		2S-2760	1	SPRING						
7	1		6N-1931	1	PLUNGER-RELIEF						
8	1		162-2679	1	SHAFT AS-PUMP						
9	1		162-2682	1	SHAFT AS-PUMP						
10	1		4N-5339	1	SPACER AS-OIL PUMP						
11	1		4N-0587	1	BODY AS-PUMP						
12	1		7W-6529	1	GEAR						
13	1		7W-7142	1	GEAR						



GRAPHIC #1

g00547589

# LUBRICATION SYSTEM

## 198-1508 PUMP GP-ENGINE OIL

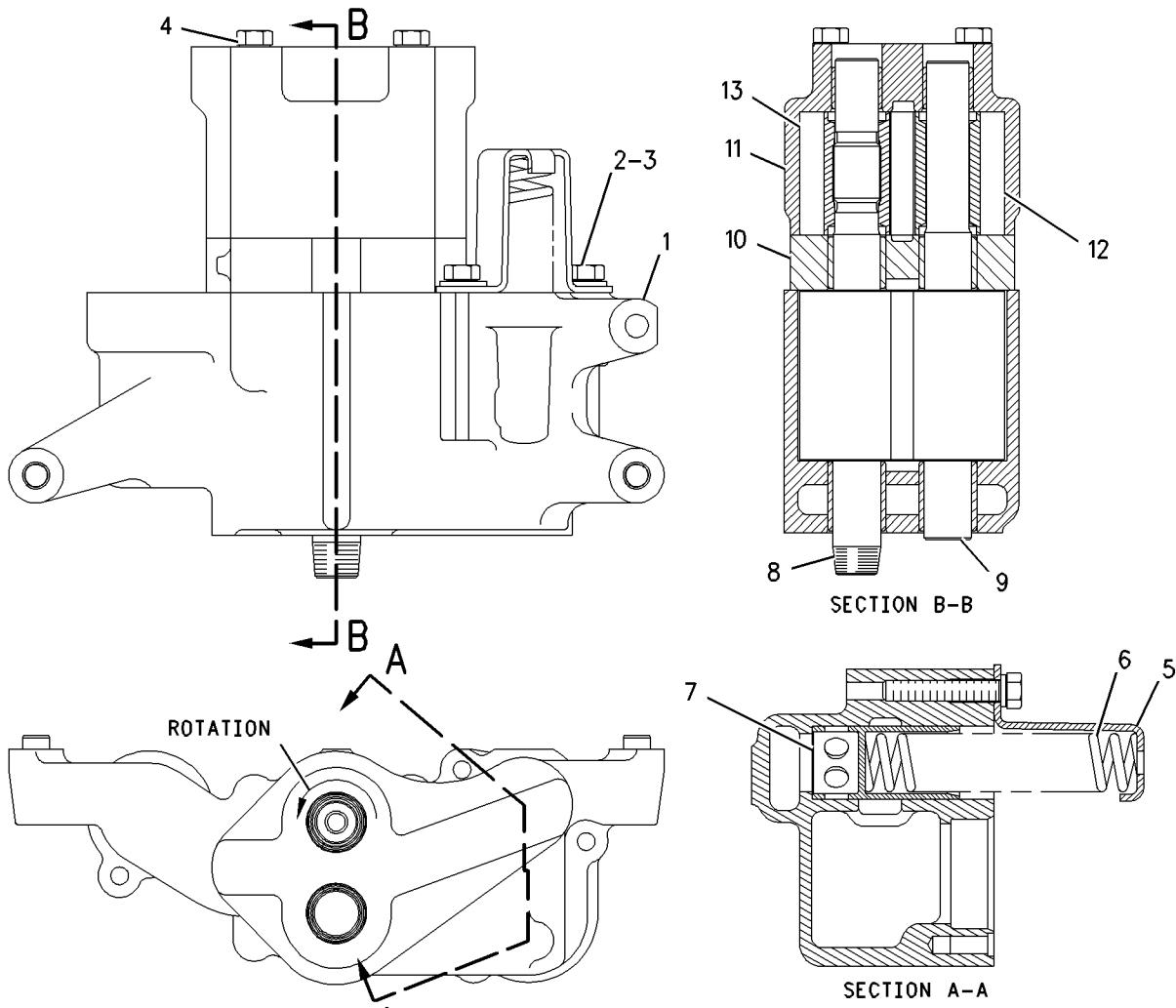
S/N: 41Z19778-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1304, 1315

i01526327

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		4N-0513	1	BODY AS-OIL PUMP						
	1		7N-2156	2	BEARING-SLEEVE						
	1		8M-8489	2	DOWEL						
2	1		1M-0644	2	BOLT (3/8-16X2-1/4 IN)						
3	1		5M-2894	2	WASHER-HARD (10.2X18.5X2.5MM THK)						
4	1		5F-4899	4	BOLT (3/8-16X5.5 IN)						
5	1		9Y-1792	1	RETAINER						
6	1		2S-2760	1	SPRING						
7	1		6N-1931	1	PLUNGER-RELIEF						
8	1		162-2679	1	SHAFT AS-PUMP						
9	1		162-2682	1	SHAFT AS-PUMP						
10	1		4N-5339	1	SPACER AS-OIL PUMP						
	1		7N-2155	2	BEARING-SLEEVE						
11	1		4N-0587	1	BODY AS-PUMP						
	1		7N-2213	2	BEARING-SLEEVE						
12	1		7W-6529	1	GEAR (8 TEETH)						
13	1		7W-7142	1	GEAR (8 TEETH)						



GRAPHIC #1

g00786556

# COOLING SYSTEM

## 117-7534 COOLANT CONDITIONER GP

S/N: 9EM1-970

SMCS-1352

i00569580

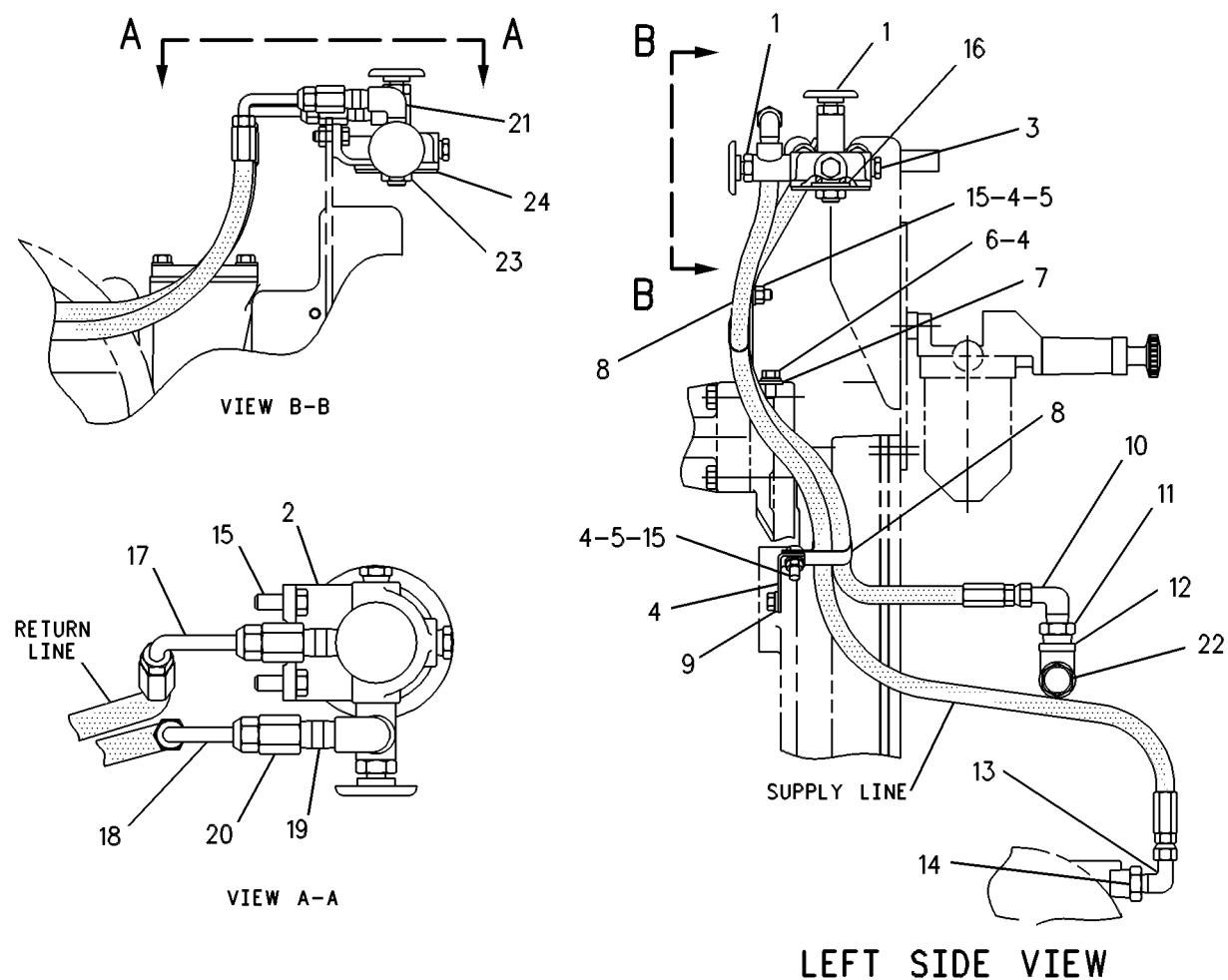
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		<b>9N-3666</b>	2	VALVE AS						
2	1		<b>9N-3668</b>	1	BASE AS						
	1		<b>9N-3645</b>	1	STUD-TAPERLOCK						
3	1		<b>3J-5390</b>	2	PLUG (3/8-18 THD)						
4	1		<b>8T-4896</b>	6	WASHER-HARD (2.5MM THK)						
5	1		<b>6V-8801</b>	2	NUT (3/8-16 THD)						
6	1		<b>5M-3062</b>	1	BOLT (3/8-16X.750IN)						
7	1		<b>9N-1394</b>	1	BRACKET (LARGE)						
8	1		<b>4D-7733</b>	2	CLIP						
9	1		<b>9L-6331</b>	1	BRACKET (SMALL)						
10	1		<b>7D-8793</b>	1	ELBOW-FLARED						
11	1		<b>8B-2664</b>	1	BUSHING-REDUCER						
12	1		<b>1L-8444</b>	1	TEE						
13	1		<b>2N-8037</b>	1	ELBOW						
14	1		<b>6B-4661</b>	1	BUSHING-REDUCER						
15	1		<b>4L-6454</b>	4	BOLT (3/8-16X1.0IN)						
16	1		<b>8T-4994</b>	1	WASHER (5MM THK)						
I	17	1	<b>6N-1046</b>	1	HOSE AS-END						
I	18	1	<b>118-5618</b>	1	HOSE AS						
19	1		<b>3B-7742</b>	2	NIPPLE-PIPE						
20	1		<b>053-0088</b>	2	CONNECTOR-FLARED						
21	1		<b>003-2143</b>	1	ELBOW						
22	1		<b>004-7270</b>	1	NIPPLE						
23	1		<b>6V-9168</b>	1	NUT (11/16-16 THD)						
24	1		<b>7U-6358</b>	1	SHIM						

I - SEE HOSE FABRICATION GUIDE

# COOLING SYSTEM

117-7534 COOLANT CONDITIONER GP (*contd.*)

i00569580



GRAPHIC #1

g00271705

# COOLING SYSTEM

## 7W-2206 COOLER GP-ENGINE OIL

S/N: 41Z1-UP

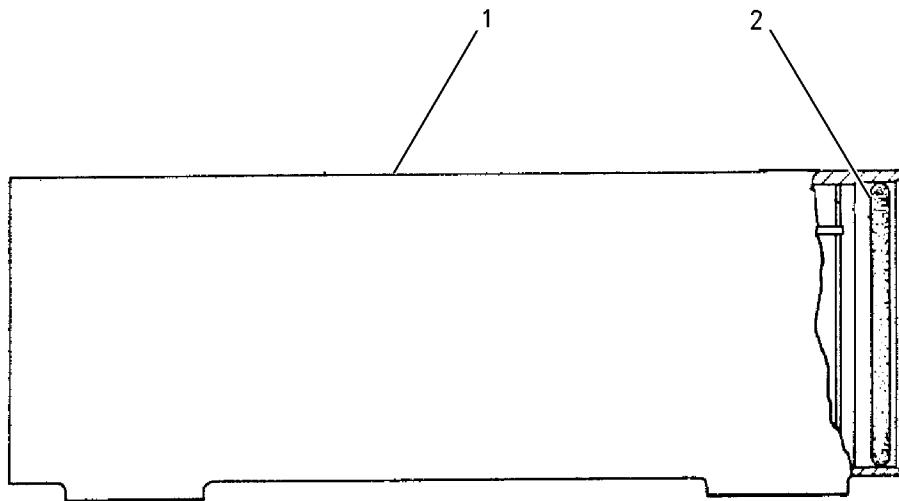
PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1378

i01503055

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
R	1	1	7C-3039	1	CORE AS						
	2	1	109-0077	2	SEAL-O-RING						

R - REMFG PART MAY BE AVAILABLE



GRAPHIC #1

g00604532

# COOLING SYSTEM

## 4W-9822 CORE GP-OIL COOLER\*R

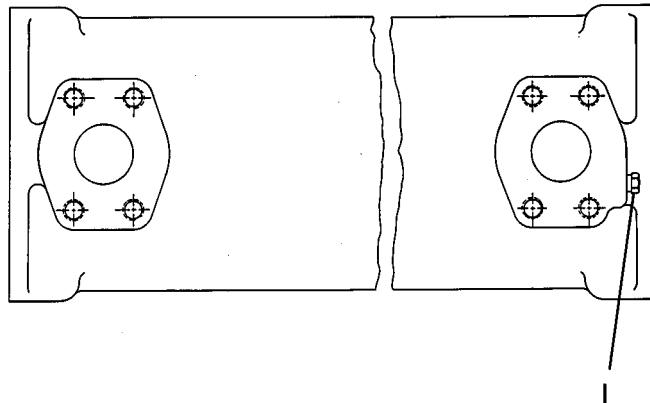
S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1374, 1375, 1378

i00570568

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		5M-6214	1	PLUG-PIPE (1/8-27 THD)						



GRAPHIC #1

g00177858

# COOLING SYSTEM

## 124-4818 FAN AR-EJECTOR

S/N: 9EM1-UP

AN ATTACHMENT

SMCS-1356

i01223561

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	125-8523	1	DRIVE GP-FAN						68
Y	124-7521	1	FAN GP-EJECTOR						139
Y	124-7520	1	RADIATOR GP						166

Y-SEPARATE ILLUSTRATION

# COOLING SYSTEM

## 128-4949 FAN AR-VARIABLE

S/N: 9EM1-1032

PART OF 133-2882 RADIATOR AR  
AN ATTACHMENT

**SMCS-1356**

**i01475052**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
	1	1, 2	7K-1181	19	STRAP-CABLE							
	2	1	1Q-3511	1	PANEL AS-FUSE							
	3	1	1F-0750	2	NUT-WELD (3/8-16 THD)							
	4	1	9F-6445	5	NUT-WELD (1/4-20 THD)							
	5	1	110-2982	1	WIRE AS							
	6	1	6T-3643	1	CIRCUIT BREAKER AS (15 AMP)							
		1	6V-8376	2	SCREW-MACHINE (8-32X0.25 IN)							
		1	9B-7233	2	LOCKWASHER							
	7	2	4V-6981	2	SCREW-BUTTON HEAD (1/4-20X0.75 IN)							
	8	2	8T-4205	2	WASHER-HARD (7.2X14.5X2MM THK)							
	9	2	6V-8185	2	NUT (1/4-20 THD)							
	10	2	6K-8180	1	GROMMET							
	11	2	9V-2818	1	GROMMET							
	12	2	1Q-3613	2	PLATE-WARNING							
	13	2	114-4698	32	BOLT (3/8-16X1 IN)							
	14	2	6V-8188	2	NUT (1/2-13 THD)							
	15	2	8T-9530	8	TACK-FASTENER							
	16	2	2Q-3371	1	SENSOR-TEMPERATURE							
	17	2	1Q-2333	1	PANEL AS							
		2	1Q-3454	1	PLATE							
		2	4V-6981	1	SCREW-BUTTON HEAD (1/4-20X0.75 IN)							
		2	6V-8185	1	NUT (1/4-20 THD)							
		2	8C-3108	1	PLUG							
		2	8T-4205	1	WASHER-HARD (7.2X14.5X2MM THK)							
B	18	1	115-7920	1	BLOCK-TENSIONER							
C	19	1	8S-2388	1	HOSE AS-FLEXIBLE							
	20	1	9L-5125	1	ELBOW							
	21	1	3B-8485	1	FITTING-GREASE							
	22	2	123-8348	1	MONITOR-REMOTE DISPLAY							
	23	1	5C-6565	2	BOLT (1/2-13X1.25 IN)							
	24	2	129-5119	1	V-BELT							
	25	2	149-8664	8	KIT-BLADE (EACH INCLUDES BLADES AND BOLTS)							
	26	2	123-2267	1	HUB AS							
	27	1	141-7930	1	WIRE AS							
C	28	1	159-1627	2	WIRE AS							
	29	2	126-2869	1	CLAMP							
	30	1	126-6232	1	WIRE AS							
	31	1	112-3261	1	GROMMET							
	32	2	141-7944	1	WIRE AS							
	33	1	5P-1076	2	WASHER-HARD (13.5X30X4MM THK)							
C	34	1	157-2701	1	FENDER AS-LH							
		1	8F-9836	2	LUG (3/8-16 THD)							
		1	8K-0248	1	BLOCK							
		1	8T-5911	6	NUT-WELD (1/2-13 THD)							
	35	1	8T-5912	19	NUT-WELD (3/8-16 THD)							
	36	1	7T-1099	9	LINK							
	37	1	5M-4514	1	PIPE							
	38	1	1F-0748	3	NUT-WELD (1/2-13 THD)							
C	39	1	8B-4624	1	SHIM (.032 IN THK)							
C	40	1	3B-4610	1	COTTER							
C	41	1	164-2962	1	DOOR AS							
		1	134-0221	1	HINGE							
	42	2	1Q-3553	1	RETAINER							
	43	1	1Q-0538	1	FILM-FACE							

# COOLING SYSTEM

**128-4949 FAN AR-VARIABLE (contd.)**

**i01475052**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	44	1	<b>9X-8486</b>	2	SCREW-MACHINE (8-32X0.75 IN)	
	45	2	<b>8T-8919</b>	2	BOLT (1/2-13X1.75 IN)	
	46	1	<b>127-1622</b>	1	BOX - CONTROL	
		1	<b>8M-8948</b>	1	FUSE (15 AMP)	
		1	<b>137-2082</b>	1	FUSE (1/4 AMP)	
	47	2	<b>4W-8595</b>	1	PULLEY-CRANKSHAFT	
C	48	1	<b>6D-1746</b>	1	BOLT (1/2-13X1.32 IN)	
C	49	1	<b>5P-9297</b>	1	CLIP	
C	50	1	<b>5M-3062</b>	1	BOLT (3/8-16X0.75 IN)	
C	51	1	<b>8T-4896</b>	1	WASHER-HARD (10.2X18.5X2.5MM THK)	

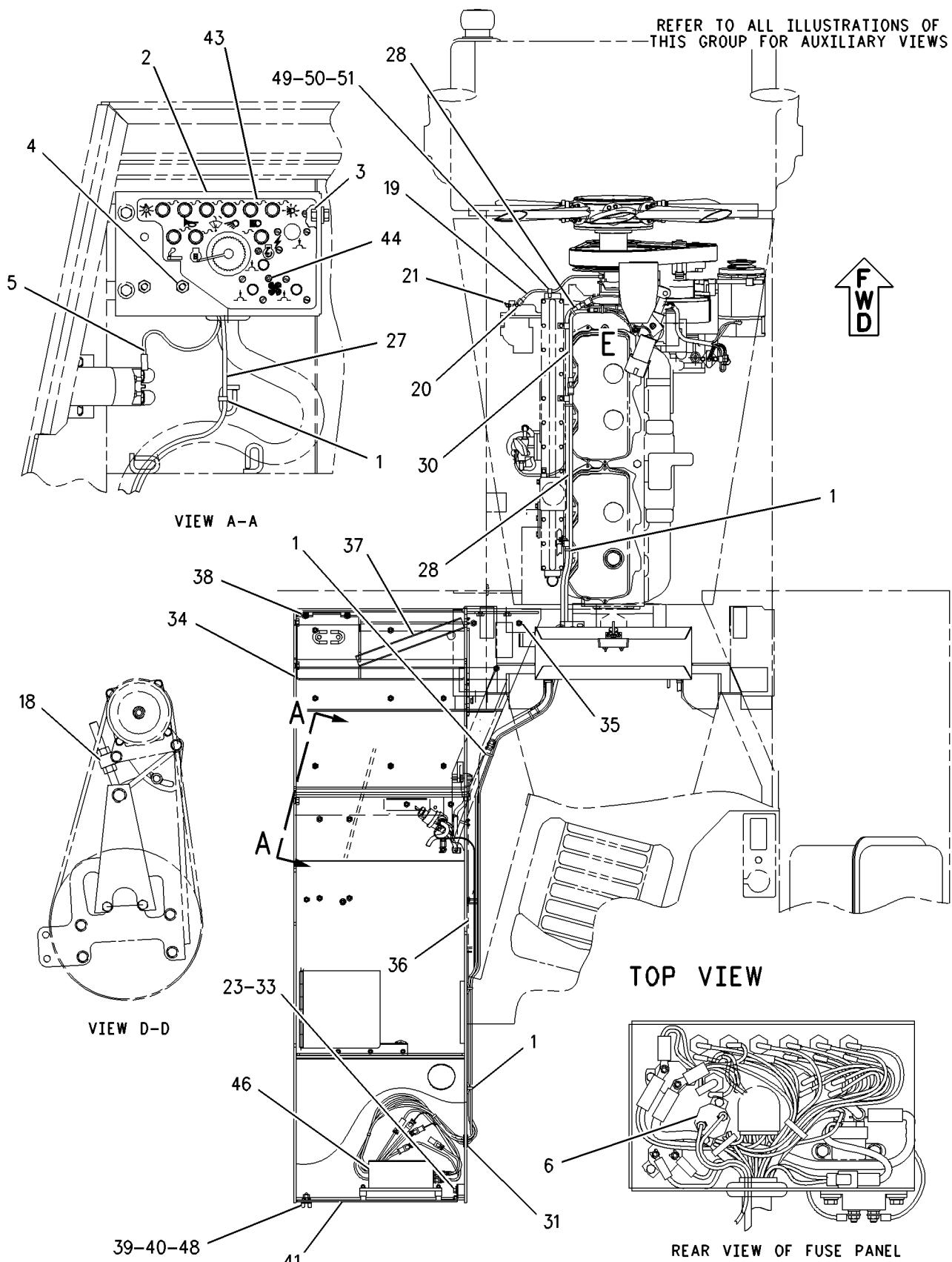
B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

# COOLING SYSTEM

128-4949 FAN AR-VARIABLE (contd.)

i01475052

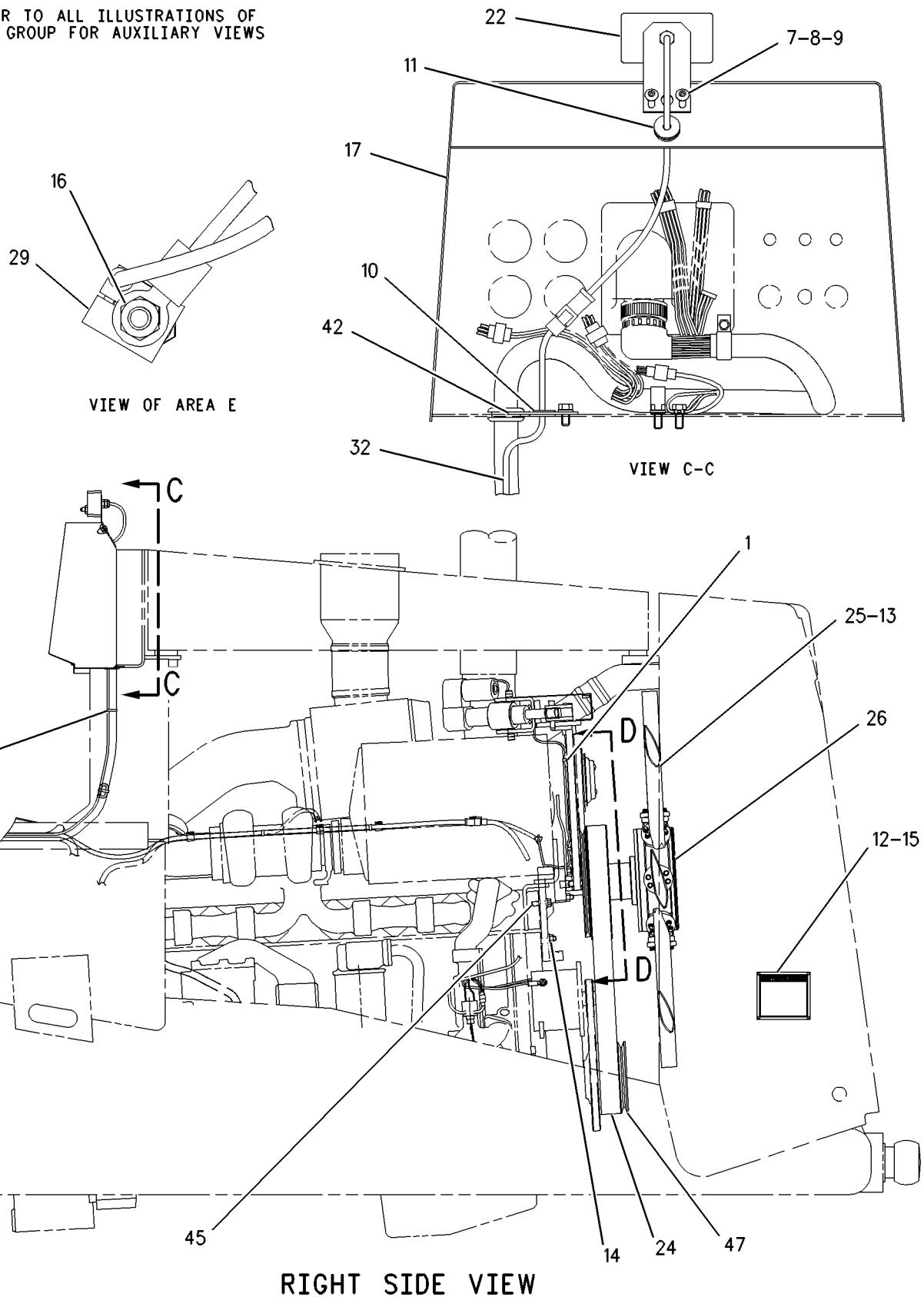


# COOLING SYSTEM

128-4949 FAN AR-VARIABLE (contd.)

i01475052

REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS



GRAPHIC #2

g00599295

# COOLING SYSTEM

## 128-4949 FAN AR-VARIABLE

S/N: 9EM1033-UP

PART OF 133-2882 RADIATOR AR  
AN ATTACHMENT

**SMCS-1356**

**i01475056**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
	1	1, 2	7K-1181	19	STRAP-CABLE							
C	2	1	5P-9297	1	CLIP							
C	3	1	5M-3062	1	BOLT (3/8-16X0.75 IN)							
C	4	1	8T-4896	1	WASHER-HARD (10.2X18.5X2.5MM THK)							
	5	1	110-2982	1	WIRE AS							
	6	1	6T-3643	1	CIRCUIT BREAKER AS (15 AMP)							
		1	6V-8376	2	SCREW-MACHINE (8-32X0.25 IN)							
		1	9B-7233	2	LOCKWASHER							
	7	2	4V-6981	2	SCREW-BUTTON HEAD (1/4-20X0.75 IN)							
	8	2	8T-4205	2	WASHER-HARD (7.2X14.5X2MM THK)							
	9	2	6V-8185	2	NUT (1/4-20 THD)							
	10	2	6K-8180	1	GROMMET							
	11	2	9V-2818	1	GROMMET							
	12	2	1Q-3613	2	PLATE-WARNING							
	13	2	114-4698	32	BOLT (3/8-16X1 IN)							
	14	2	6V-8188	2	NUT (1/2-13 THD)							
	15	2	8T-9530	8	TACK-FASTENER							
	16	2	2Q-3371	1	SENSOR-TEMPERATURE							
	17	2	1Q-2333	1	PANEL AS							
		2	1Q-3454	1	PLATE							
		2	4V-6981	1	SCREW-BUTTON HEAD (1/4-20X0.75 IN)							
		2	6V-8185	1	NUT (1/4-20 THD)							
		2	8C-3108	1	PLUG							
		2	8T-4205	1	WASHER-HARD (7.2X14.5X2MM THK)							
B	18	1	115-7920	1	BLOCK-TENSIONER							
C	19	1	8S-2388	1	HOSE AS-FLEXIBLE							
	20	1	9L-5125	1	ELBOW							
	21	1	3B-8485	1	FITTING-GREASE							
	22	2	123-8348	1	MONITOR-REMOTE DISPLAY							
	23	1	5C-6565	2	BOLT (1/2-13X1.25 IN)							
	24	2	129-5119	1	V-BELT							
	25	2	149-8664	8	KIT-BLADE (EACH INCLUDES BLADES AND BOLTS)							
	26	2	123-2267	1	HUB AS							
	27	1	141-7930	1	WIRE AS							
C	28	1	159-1627	2	WIRE AS							
	29	2	126-2869	1	CLAMP							
	30	1	126-6232	1	WIRE AS							
	31	1	112-3261	1	GROMMET							
	32	2	141-7944	1	WIRE AS							
	33	1	5P-1076	2	WASHER-HARD (13.5X30X4MM THK)							
C	34	1	157-2701	1	FENDER AS-LH							
		1	8F-9836	2	LUG (3/8-16 THD)							
		1	8K-0248	1	BLOCK							
		1	8T-5911	6	NUT-WELD (1/2-13 THD)							
	35	1	8T-5912	19	NUT-WELD (3/8-16 THD)							
	36	1	7T-1099	9	LINK							
	37	1	5M-4514	1	PIPE							
	38	1	1F-0748	3	NUT-WELD (1/2-13 THD)							
C	39	1	8B-4624	1	SHIM (.032 IN THK)							
C	40	1	3B-4610	1	COTTER							
C	41	1	164-2962	1	DOOR AS							
		1	134-0221	1	HINGE							
	42	2	1Q-3553	1	RETAINER							
	43	1	1Q-0538	1	FILM-FACE							

# COOLING SYSTEM

128-4949 FAN AR-VARIABLE (contd.)

i01475056

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE
					1 2 3 4 5 6		
44	1		9X-8486	2	SCREW-MACHINE (8-32X0.75 IN)		
45	2		8T-8919	2	BOLT (1/2-13X1.75 IN)		
46	1		127-1622	1	BOX - CONTROL		
	1		8M-8948	1	FUSE (15 AMP)		
	1		137-2082	1	FUSE (1/4 AMP)		
47	2		4W-8595	1	PULLEY-CRANKSHAFT		
C	48	1	6D-1746	1	BOLT (1/2-13X1.32 IN)		

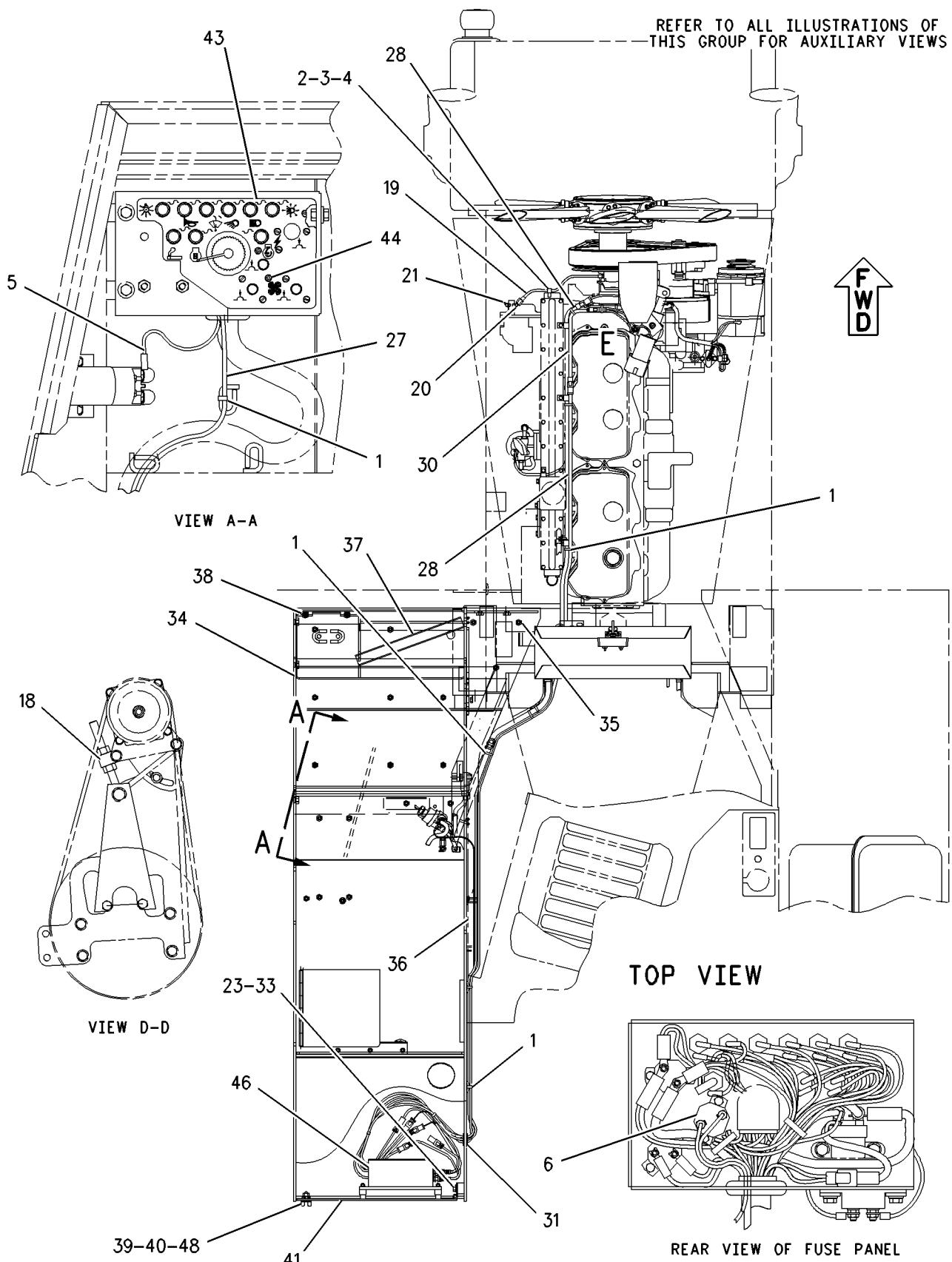
B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

# COOLING SYSTEM

128-4949 FAN AR-VARIABLE (contd.)

i01475056



GRAPHIC #1

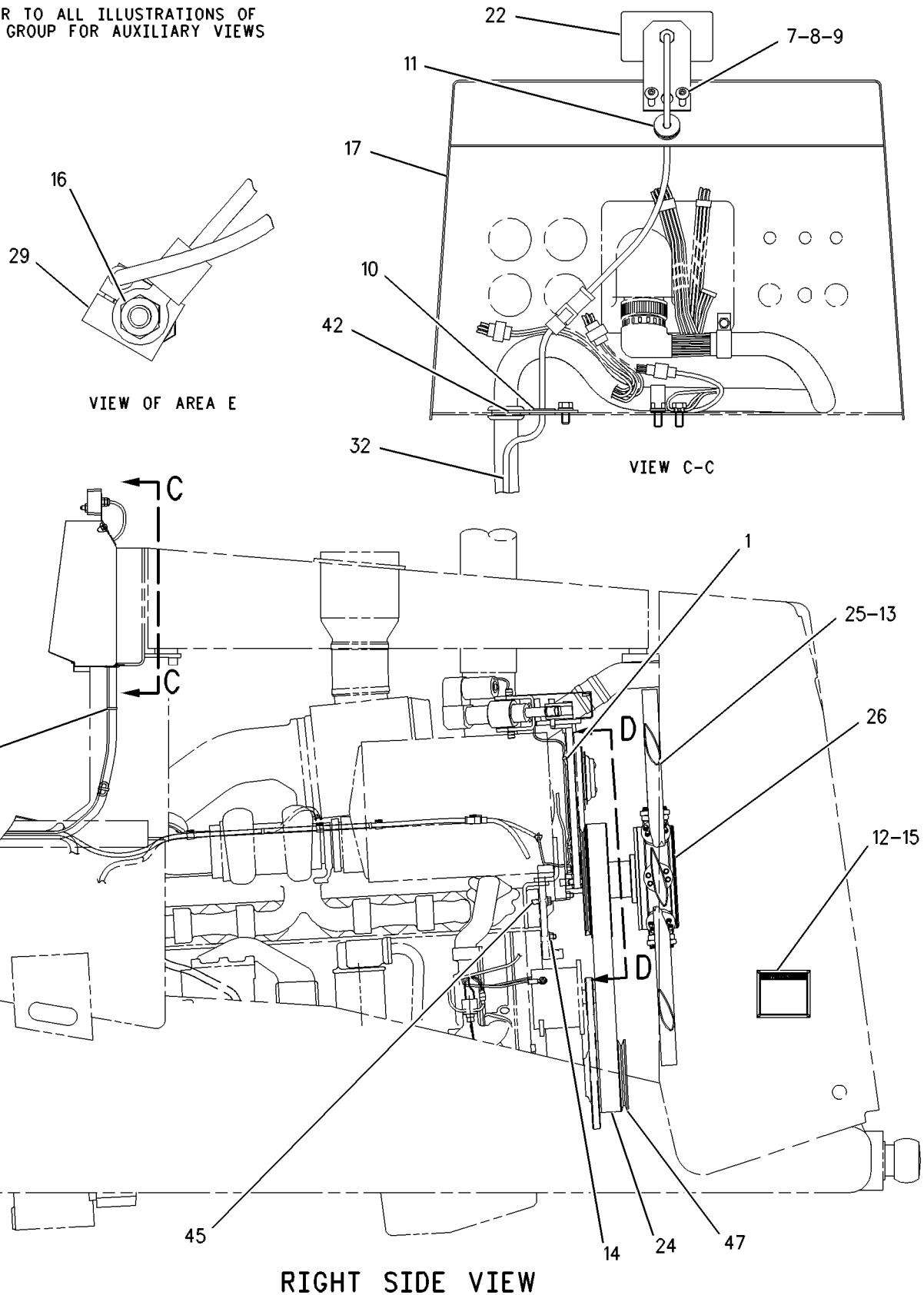
g00751652

# COOLING SYSTEM

128-4949 FAN AR-VARIABLE (contd.)

i01475056

REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS



GRAPHIC #2

g00599295

# COOLING SYSTEM

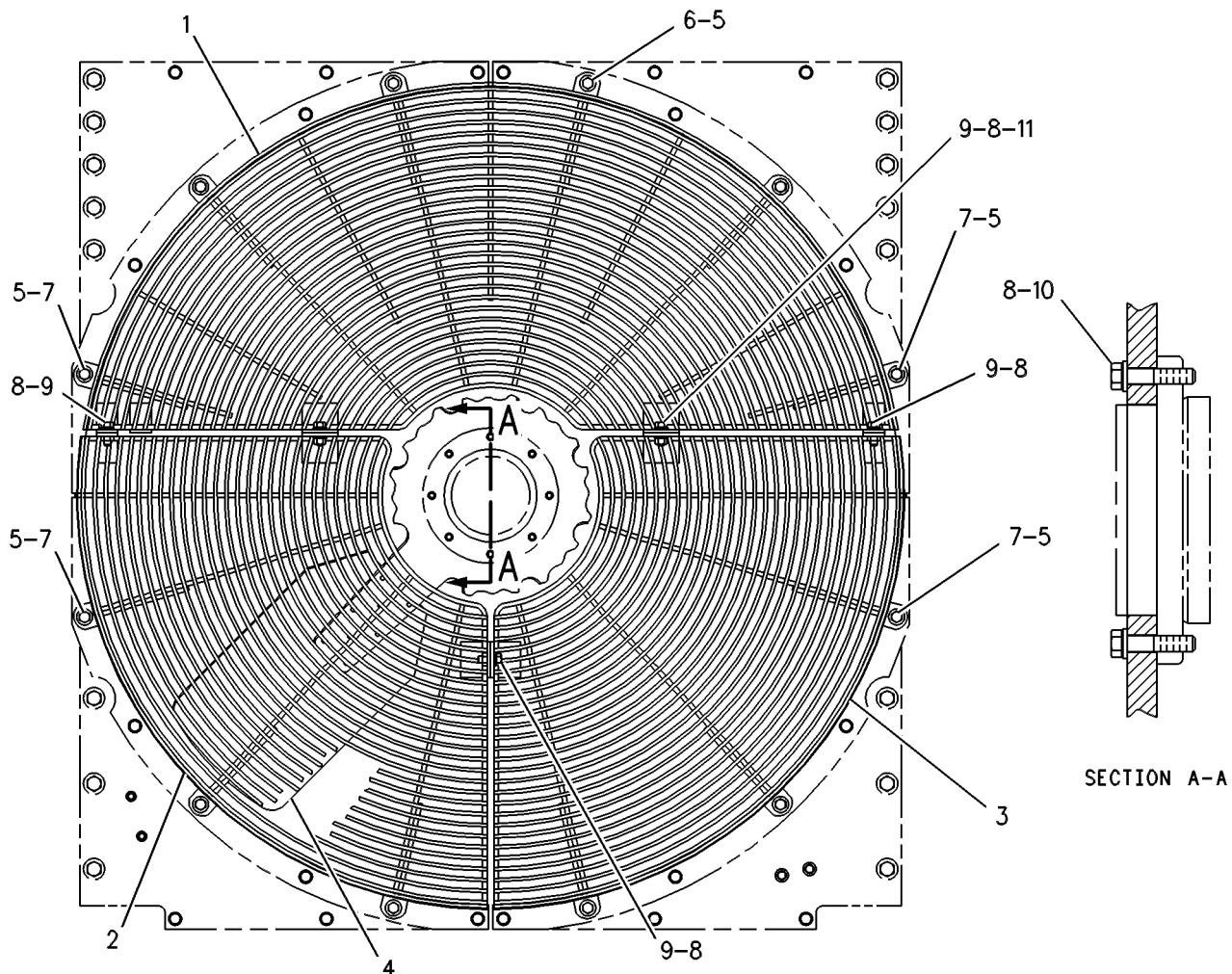
## 118-0219 FAN GP-BLOWER

S/N: 9EM1-UP

SMCS-1356, 1360

i01143913

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		114-2031	1	GUARD AS-FAN	
2	1		114-2032	1	GUARD AS-FAN	
	1		1F-0750	2	NUT-WELD (3/8-16 THD)	
3	1		114-2033	1	GUARD AS-FAN	
	1		1F-0750	1	NUT-WELD (3/8-16 THD)	
4	1		173-0419	1	SPIDER AS-FAN	
5	1		5P-1075	12	WASHER-HARD (3MM THK)	
6	1		9B-7237	8	BOLT (3/8-16X1.25IN)	
7	1		8T-2501	4	BOLT (3/8-16X2.0IN)	
8	1		8T-4896	15	WASHER-HARD (2.5MM THK)	
9	1		4L-6454	5	BOLT (3/8-16X1.0IN)	
10	1		5S-7383	8	BOLT (3/8-16X1.75IN)	
11	1		6V-8801	2	NUT (3/8-16 THD)	



GRAPHIC #1

g00249605

# COOLING SYSTEM

## 124-7521 FAN GP-EJECTOR

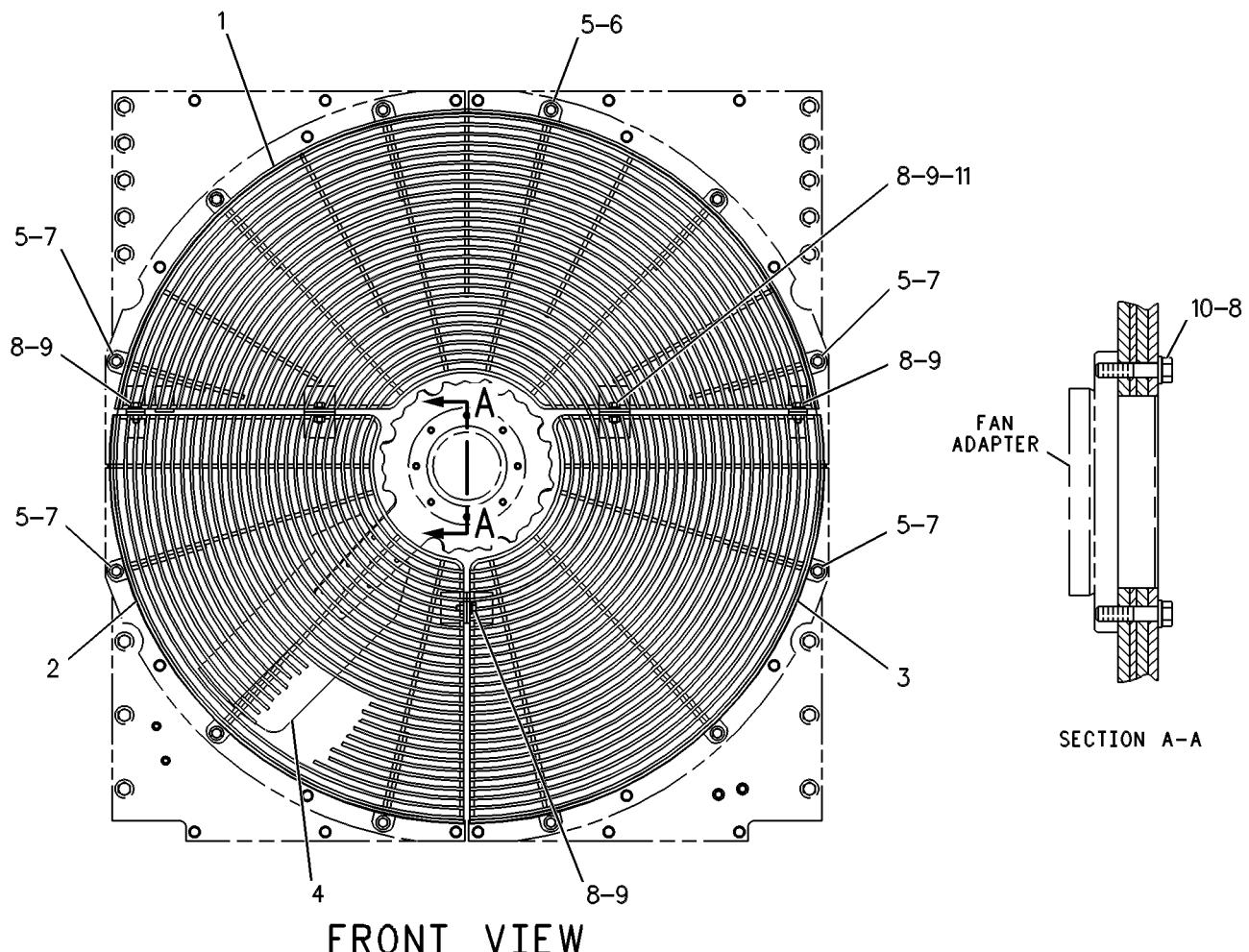
S/N: 9EM1-UP

PART OF 124-4818 FAN AR-EJECTOR  
AN ATTACHMENT

SMCS-1356, 1360

i01223596

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		114-2031	1	GUARD AS-FAN						
2	1		114-2032	1	GUARD AS-FAN						
	1		1F-0750	2	NUT-WELD (3/8-16 THD)						
3	1		114-2033	1	GUARD AS-FAN						
	1		1F-0750	1	NUT-WELD (3/8-16 THD)						
4	1		125-3949	1	SPIDER AS-FAN						
5	1		5P-1075	12	WASHER-HARD (3MM THK)						
6	1		9B-7237	8	BOLT (3/8-16X1.25IN)						
7	1		8T-2501	4	BOLT (3/8-16X2.0IN)						
8	1		8T-4896	15	WASHER-HARD (2.5MM THK)						
9	1		4L-6454	5	BOLT (3/8-16X1 IN)						
10	1		5S-7383	8	BOLT (3/8-16X1.75IN)						
11	1		6V-8801	2	NUT (3/8-16 THD)						



GRAPHIC #1

g00249947

# COOLING SYSTEM

## 115-9591 FAN GP - REVERSIBLE

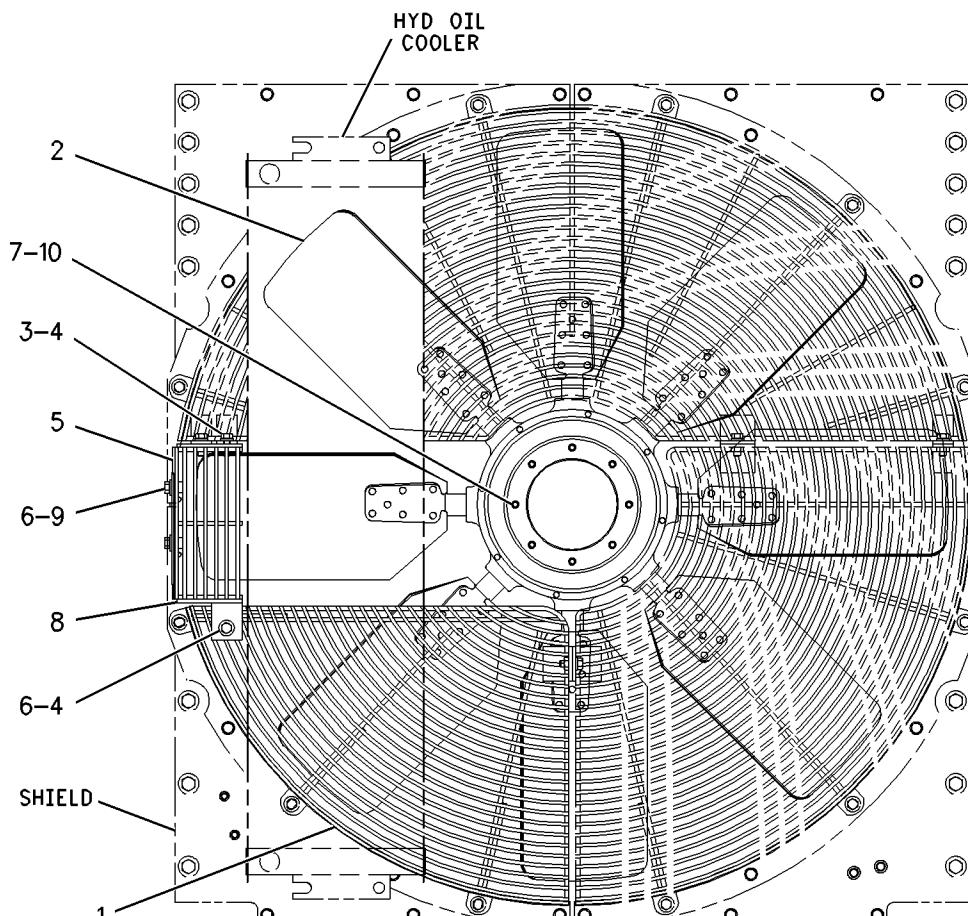
S/N: 9EM1-UP

AN ATTACHMENT

SMCS-1356, 1360

i01231417

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
1	1		114-4392	1	GUARD AS							
			1F-0750	1	NUT-WELD (3/8-16 THD)							
2	1		147-9672	1	FAN AS-REVERSIBLE							
3	1		8T-4896	1	WASHER-HARD (2.5MM THK)							
4	1		4L-6454	2	BOLT (3/8-16X1 IN)							
5	1		2W-5825	1	PLATE							
6	1		5P-1075	3	WASHER-HARD (3MM THK)							
7	1		0S-1571	8	BOLT (3/8-16X1.75IN)							
8	1		134-3937	1	GUARD AS-FAN							
			1F-0750	2	NUT-WELD (3/8-16 THD)							
9	1		5S-7379	2	BOLT (3/8-16X.875IN)							
10	1		5M-2894	8	WASHER (2.5MM THK)							



REAR VIEW

GRAPHIC #1

g00626971

# COOLING SYSTEM

## 6I-1574 LINES GP-AFTERCooler WATER

S/N: 41Z1-UP

PART OF 105-9697, 111-0593 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1380

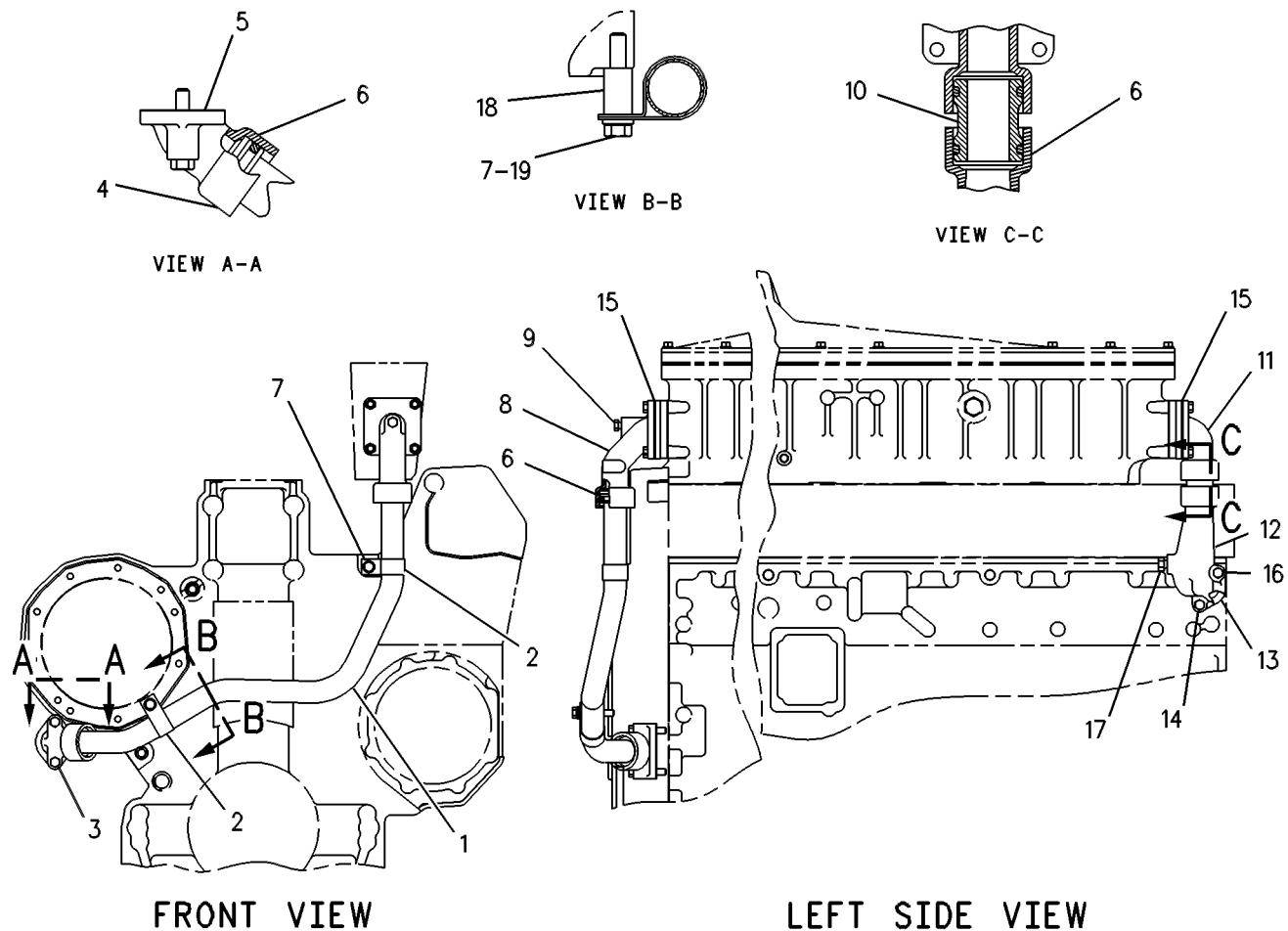
i00881578

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		153-2724	1	TUBE AS						
2	1		2S-2053	2	CLIP (34.92MM ID)						
3	1		0S-1590	2	BOLT (3/8-16X2IN)						
4	1		4N-2617	1	ELBOW-SUPPLY						
5	1		4N-0933	1	GASKET						
6	1		109-0078	4	SEAL-O-RING (33.47MM ID)						
7	1		5M-2894	2	WASHER (2.5MM THK)						
8	1		4N-7806	1	ELBOW-INLET						
9	1		8T-6765	1	PLUG-PIPE (1/4-18 NPTF THD)						
10	1		4N-4196	1	PIPE-OUTLET						
11	1		4N-7796	1	ELBOW-OUTLET						
12	1		6I-1575	1	ELBOW-OUTLET						
13	1		4N-0699	1	GASKET						
14	1		1A-2029	1	BOLT (3/8-16X1.125IN)						
15	1		6L-9589	2	GASKET						
16	1		3B-1915	1	BOLT (3/8-16X1.375IN)						
17	1		8T-6767	1	PLUG-PIPE (3/8-18 NPTF THD)						
18	1		8B-0544	1	SPACER						
19	1		0L-2070	1	BOLT (3/8-16X2.25IN)						

# COOLING SYSTEM

6I-1574 LINES GP-AFTERCooler Water (contd.)

i00881578



GRAPHIC #1

g00122770

# COOLING SYSTEM

## 1W-3934 LINES GP - TURBOCHARGER WATER

S/N: 41Z1-UP

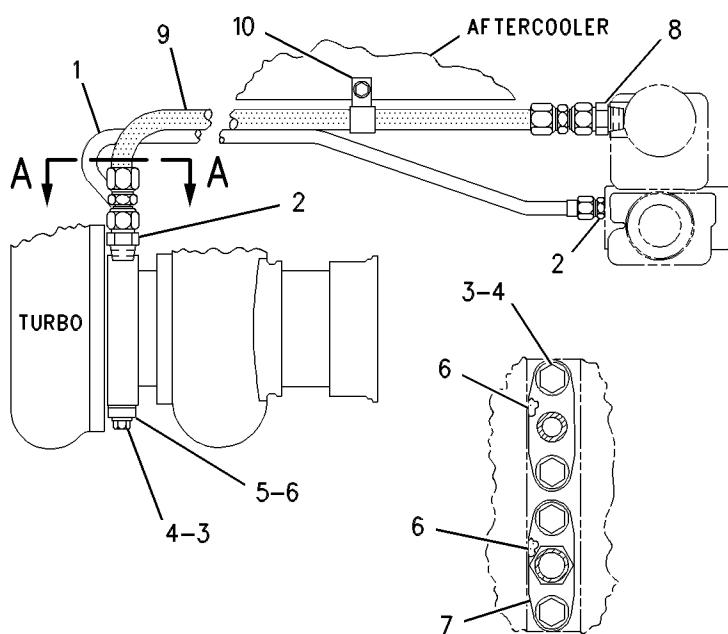
PART OF 111-0593, 111-0594 ENGINE AR  
AN ATTACHMENT

SMCS-1052, 1380

i00890692

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
1	1		153-1287	1	TUBE AS-WATER							
2	1		8M-0755	2	CONNECTOR							
3	1		0S-1594	8	BOLT (3/8-16X1IN)							
4	1		5M-2894	8	WASHER (2.5MM THK)							
5	1		7N-7878	2	PLATE-COVER							
6	1		7N-7628	4	GASKET							
7	1		8N-0788	1	COVER							
8	1		3R-5387	1	CONNECTOR							
I	9	1	2G-4561	1	HOSE AS							
	10	1	6D-4246	1	CLIP (SLOT)							

I- SEE HOSE FABRICATION GUIDE



SECTION A-A

GRAPHIC #1

g00339383

# COOLING SYSTEM

## 7W-0159 LINES GP-WATER

S/N: 41Z1-17009

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1355, 1380, 1393

i00571758

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	0S-1590	1	BOLT (3/8-16X2IN)	
	2	1	0L-1351	2	BOLT (3/8-16X.875IN)	
	3	1	4N-1199	2	CLIP	
	4	1	7W-0509	1	BONNET-COOLER	
	5	1	4N-0641	1	GASKET	
	6	1	8T-6761	1	PLUG-PIPE (1-11-1/2 NPTF THD)	
	7	1	0S-1594	10	BOLT (3/8-16X1IN)	
	8	1	125-5816	1	BONNET-OIL COOLER	
	9	1	7X-7731	3	PLUG-PIPE (3/4-14 NPTF THD)	
	10	1	0S-1591	4	BOLT (3/8-16X1.5IN)	
	11	1	7N-1572	1	COVER-WATER PUMP	
	12	1	109-0076	1	SEAL-O-RING (50.17MM ID)	
	13	1	7W-3587	1	ELBOW-BYPASS	
	14	1	4W-4794	1	REGULATOR-WATER TEMPERATURE (92 DEG C.)	
	15	1	5P-8245	2	WASHER (3MM THK)	
	16	1	7W-0570	1	BLOCK	
	17	1	7C-0307	1	GASKET	
	18	1	8M-0755	1	CONNECTOR	
	19	1	4N-1156	1	GASKET-REGULATOR COVER	
	20	1	0S-1619	3	BOLT (3/8-16X3IN)	
	21	1	109-0077	1	SEAL-O-RING (100.97MM ID)	
	22	1	125-0434	1	SEAL	
	23	1	4N-6257	1	ADAPTER	
C	24	1	8T-6767	1	PLUG-PIPE (3/8-18 NPTF THD)	
	25	1	1A-2029	1	BOLT (3/8-16X1.125IN)	
	26	1	5M-2894	8	WASHER (2.5MM THK)	
	27	1	4W-9887	1	BONNET-OUTLET	
	28	1	1D-4566	1	BOLT (1/2-13X3.5IN)	
	29	1	0S-1587	5	BOLT (1/2-13X1.75IN)	
	30	1	0L-1329	2	BOLT (1/2-13X3IN)	
	31	1	6H-1717	2	BOLT (1/2-13X1.125IN)	
C	32	1	1D-4569	2	BOLT (1/2-13X4.25IN)	
	33	1	2S-0795	2	GASKET	
	34	1	7W-0569	1	BRACKET	
	35	1	2W-6602	1	COVER AS-REGULATOR HOUSING	
		1	3J-5390	1	PLUG (3/8-18 THD)	
		1	2H-1193	1	FERRULE	
		1	5M-6213	1	PLUG (1/4 NPTF THD)	
	36	1	3S-9643	1	SEAL-LIP	
	37	1	7J-0482	1	ELBOW	
BC	38	1	8T-6767	1	PLUG-PIPE (3/8-18 NPTF THD)	
	39	1	0L-2070	2	BOLT (3/8-16X2.25IN)	

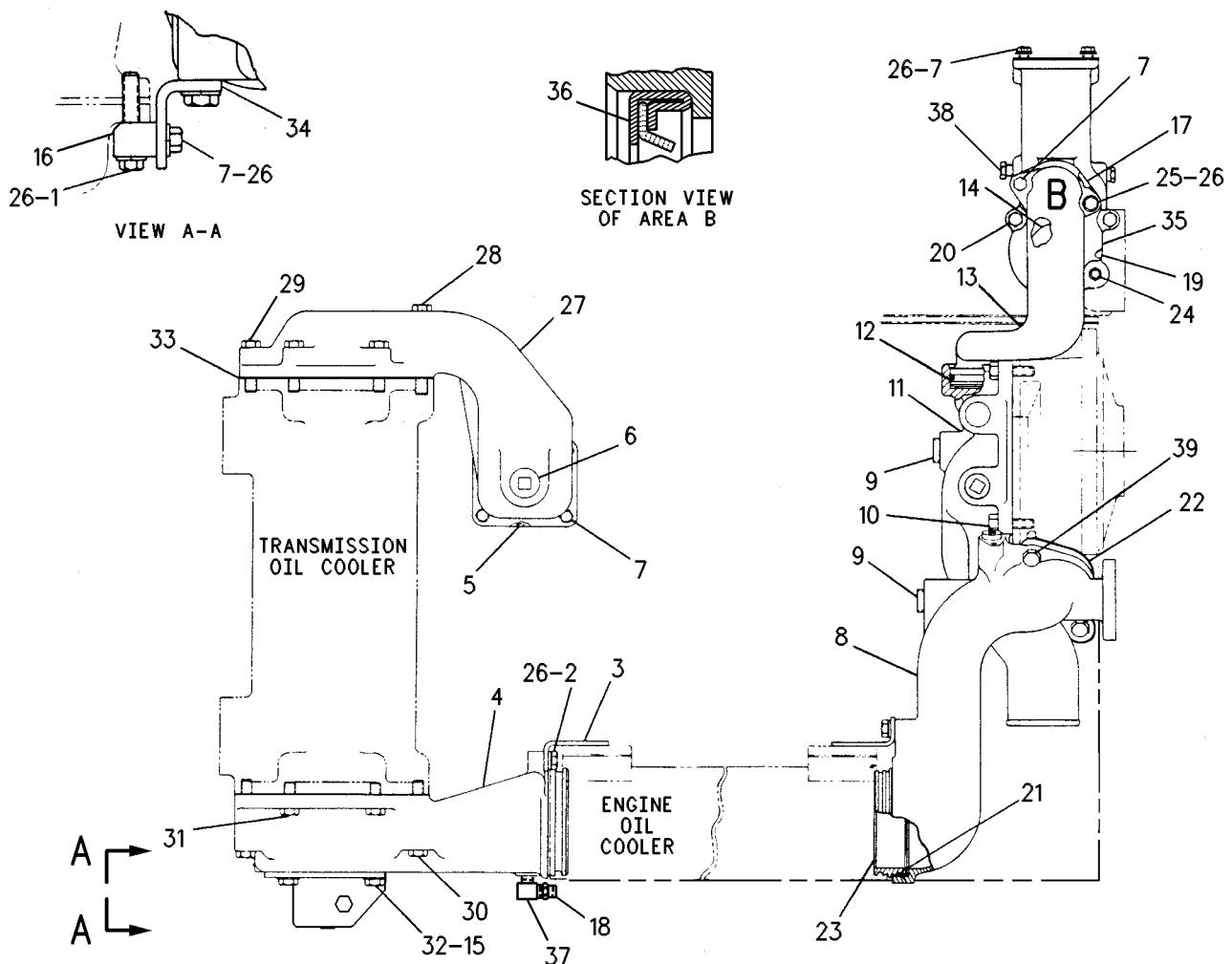
B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

# COOLING SYSTEM

7W-0159 LINES GP - WATER (contd.)

i00571758



# COOLING SYSTEM

## 107-7377 LINES GP-WATER

S/N: 41Z1-UP

PART OF 111-0592, 111-0594 ENGINE AR  
AN ATTACHMENT

SMCS-1355, 1380, 1393

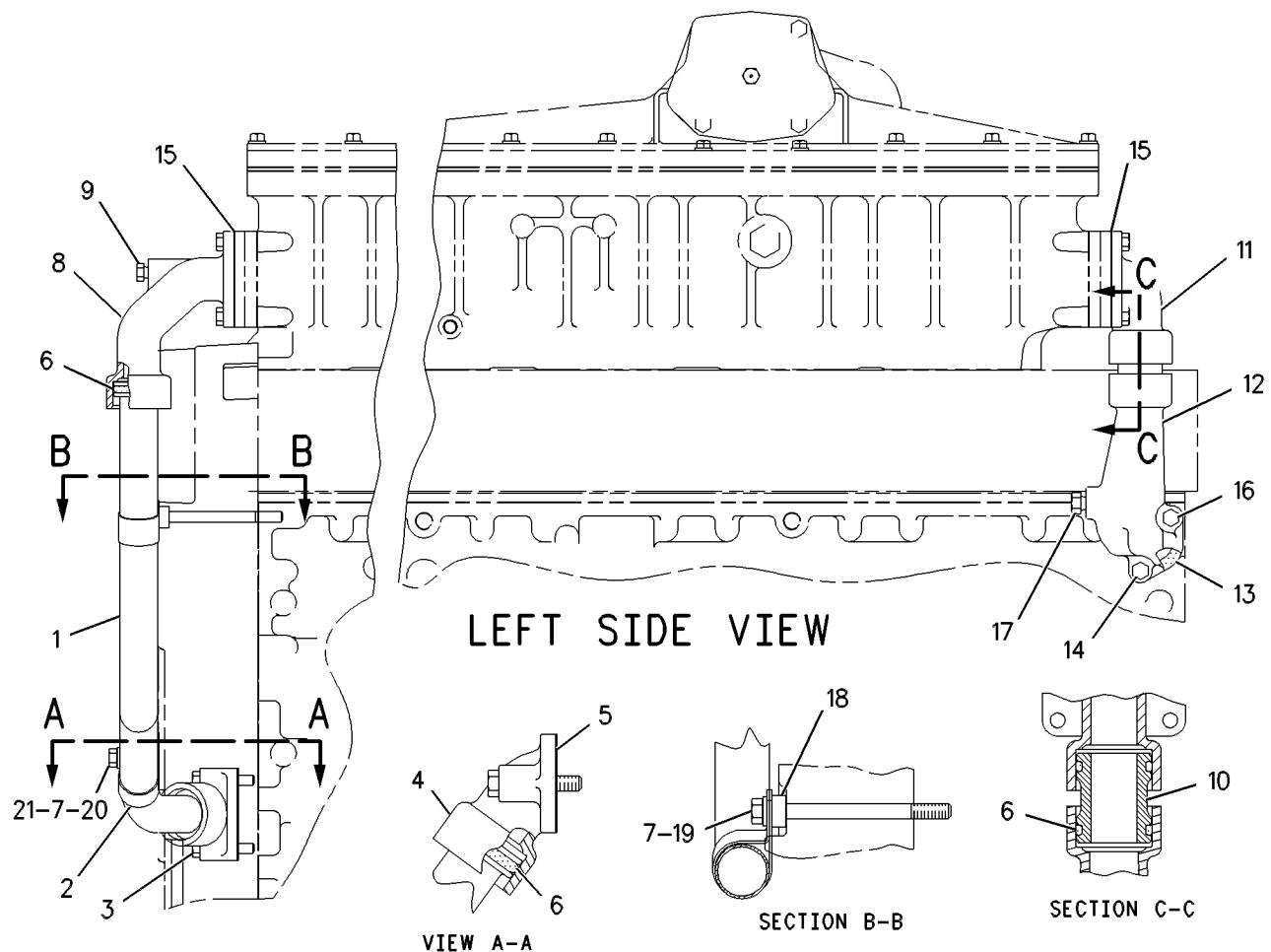
i01231015

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		148-0379	1	TUBE						
2	1		2S-2053	2	CLIP (34.92MM ID)						
3	1		0S-1590	2	BOLT (3/8-16X2 IN)						
4	1		4N-2617	1	ELBOW-SUPPLY						
5	1		4N-0933	1	GASKET						
6	1		109-0078	4	SEAL-O-RING (33.47MM ID)						
7	1		5M-2894	2	WASHER (2.5MM THK)						
8	1		105-4926	1	ELBOW-INLET						
9	1		8T-6765	1	PLUG-PIPE (1/4-18 NPTF THD)						
10	1		4N-4196	1	PIPE-OUTLET						
11	1		4N-7796	1	ELBOW-OUTLET						
12	1		6I-1575	1	ELBOW-OUTLET						
13	1		4N-0699	1	GASKET						
14	1		1A-2029	1	BOLT (3/8-16X1.125IN)						
15	1		6L-9589	2	GASKET						
16	1		3B-1915	1	BOLT (3/8-16X1.375IN)						
17	1		8T-6767	1	PLUG-PIPE (3/8-18 NPTF THD)						
18	1		7W-9094	1	SPACER (9MM THK)						
19	1		1A-5183	1	BOLT (3/8-16X4.75IN)						
20	1		0L-2070	1	BOLT (3/8-16X2.25IN)						
21	1		6F-8515	1	SPACER (1.12IN THK)						

# COOLING SYSTEM

107-7377 LINES GP-WATER (contd.)

i01231015



GRAPHIC #1

g00311679

# COOLING SYSTEM

## 117-6503 LINES GP-WATER

S/N: 9EM1-UP

SMCS-1355, 1380, 1393

i01540291

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	<b>108-8703</b>	1	ELBOW						
	2	1	<b>8T-2502</b>	4	BOLT (3/8-16X1.125 IN)						
	3	1	<b>4F-4873</b>	1	GASKET						
E	4	1	<b>5P-1262</b>	2	HOSE (63.5MM ID) (11.43CM EACH)						
	5	1	<b>5P-4868</b>	4	CLAMP (HOSE)						
	6	1	<b>108-8705</b>	1	TUBE AS						
	7	1	<b>108-8706</b>	1	BRACKET						
	8	1	<b>4L-6454</b>	2	BOLT (3/8-16X1 IN)						
	9	1	<b>5P-1075</b>	1	WASHER-HARD (10.2X22.5X3MM THK)						
	10	1	<b>6V-0852</b>	1	CAP-DUST						
	11	1	<b>154-9023</b>	1	VALVE-SAMPLING						
	12	1	<b>8T-4896</b>	3	WASHER-HARD (10.2X18.5X2.5MM THK)						
	13	1	<b>108-8707</b>	1	ELBOW						
	14	1	<b>7J-0482</b>	2	ELBOW						
	15	1	<b>8M-0755</b>	2	CONNECTOR						
I	16	1	<b>2N-1347</b>	1	HOSE AS-END						
	17	1	<b>8T-8917</b>	8	BOLT (1/2-13X1.25 IN)						
	18	1	<b>4N-1419</b>	2	GASKET-OUTLET						
	19	1	<b>108-8708</b>	1	ELBOW						
	20	1	<b>8T-6767</b>	1	PLUG-PIPE						
	21	1	<b>4L-6459</b>	2	BOLT (3/8-16X2.5 IN)						
	22	1	<b>8M-7057</b>	1	ADAPTER-PLUG						
	23	1	<b>5P-4495</b>	1	TEE-FLARED						
I	24	1	<b>033-4953</b>	1	HOSE AS						
	25	1	<b>8M-1869</b>	1	PLUG-DRAIN						
	26	1	<b>108-8709</b>	1	TUBE						
	27	1	<b>8T-6675</b>	4	CLAMP-HOSE						
E	28	1	<b>5P-1265</b>	2	HOSE (76.2MM ID) (11.43CM EACH)						
	29	1	<b>3S-8664</b>	2	CLIP						
	30	1	<b>8M-7066</b>	1	GASKET						
	31	1	<b>7W-6492</b>	1	PLUG-PIPE						
	32	1	<b>8T-6762</b>	1	PLUG-PIPE						
	33	1	<b>3J-7354</b>	1	SEAL-O-RING						

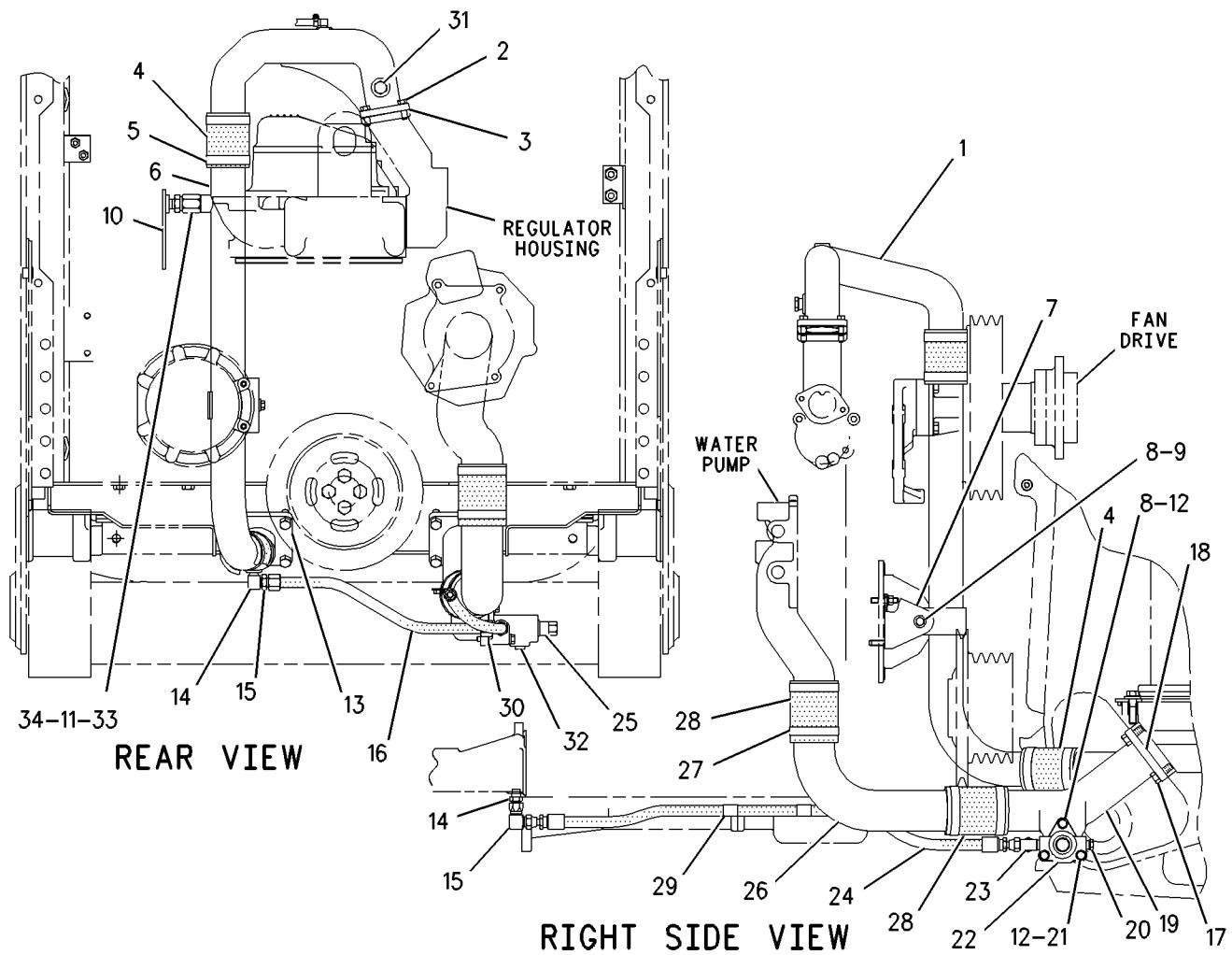
E-ORDER BY THE CENTIMETER

I-SEE HOSE FABRICATION GUIDE

# COOLING SYSTEM

117-6503 LINES GP-WATER (contd.)

i01540291



GRAPHIC #1

g00774496

# COOLING SYSTEM

## 183-2416 LINES GP-WATER

S/N: 41Z17010-UP

**PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT**

**SMCS-1355, 1380, 1393**

**i01551353**

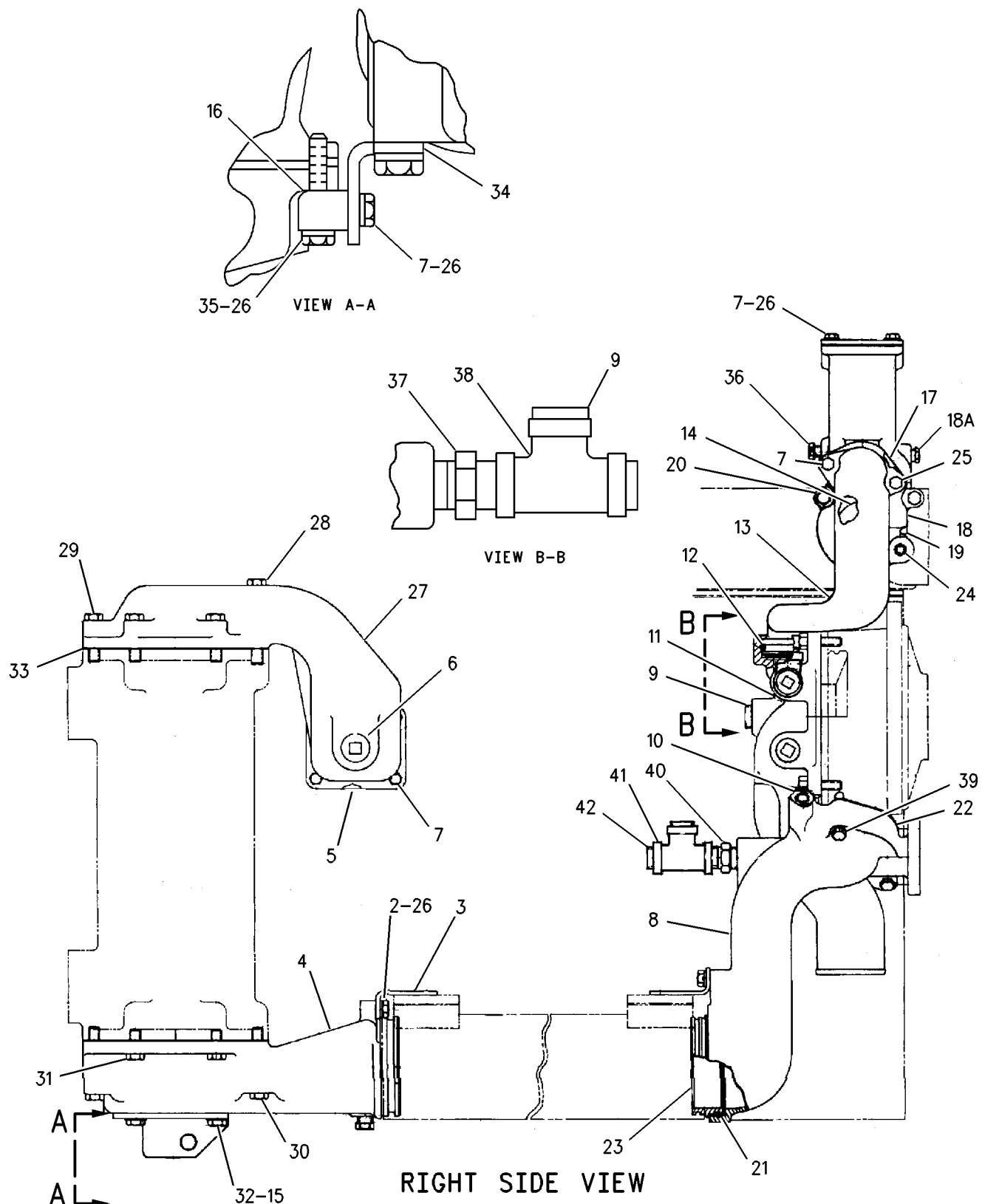
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
2	1		OL-1351	2	BOLT	(3/8-16X0.875 IN)					
3	1		4N-1199	2	CLIP						
4	1		202-0464	1	BONNET						
5	1		4N-0641	1	GASKET						
6	1		8T-6761	1	PLUG-PIPE						
7	1		OS-1594	10	BOLT	(3/8-16X1 IN)					
8	1		125-5816	1	BONNET-OIL COOLER						
9	1		7X-7731	3	PLUG-PIPE						
10	1		OS-1591	4	BOLT	(3/8-16X1.5 IN)					
11	1		7N-1572	1	COVER-WATER PUMP						
12	1		109-0076	1	SEAL-O-RING						
13	1		7W-3587	1	ELBOW-BYPASS						
14	1		4W-4794	1	REGULATOR-WATER TEMPERATURE (92 DEG C.)						
15	1		5P-8245	2	WASHER-HARD (13.5X25.5X3MM THK)						
16	1		7W-0570	1	BLOCK						
17	1		7C-0307	1	GASKET						
18	1		2W-6602	1	COVER AS-REGULATOR HOUSING						
	1		2H-1193	1	FERRULE						
	1		3S-9643	1	SEAL-LIP						
18A	1		5M-6213	1	PLUG-PIPE						
19	1		4N-1156	1	GASKET-REGULATOR COVER						
20	1		OS-1619	3	BOLT	(3/8-16X3 IN)					
21	1		109-0077	1	SEAL-O-RING						
22	1		125-0434	1	SEAL-INTEGRAL						
23	1		4N-6257	1	ADAPTER						
24	1		8T-6767	1	PLUG-PIPE						
25	1		1A-2029	1	BOLT	(3/8-16X1.125 IN)					
26	1		5M-2894	8	WASHER-HARD	(10.2X18.5X2.5MM THK)					
27	1		4W-9887	1	BONNET-OUTLET						
28	1		1D-4566	1	BOLT	(1/2-13X3.5 IN)					
29	1		OS-1587	5	BOLT	(1/2-13X1.75 IN)					
30	1		OL-1329	2	BOLT	(1/2-13X3 IN)					
31	1		6H-1717	2	BOLT	(1/2-13X1.125 IN)					
32	1		1D-4569	2	BOLT	(1/2-13X4.25 IN)					
33	1		2S-0795	2	GASKET						
34	1		7W-0569	1	BRACKET						
35	1		OS-1590	1	BOLT	(3/8-16X2 IN)					
B	36	1	8T-6767	1	PLUG-PIPE						
37	1		004-7270	1	FITTING (PIPE)						
38	1		1L-8444	1	TEE (3/4-14 NPT)						
39	1		OL-2070	2	BOLT	(3/8-16X2.25 IN)					
40	1		6B-4661	1	BUSHING-REDUCER						
41	1		8L-6005	1	TEE-PIPE						
42	1		7X-7732	2	PLUG-PIPE						

B-USE AS REQUIRED

# COOLING SYSTEM

183-2416 LINES GP-WATER (contd.)

i01551353



GRAPHIC #1

g00704025

# COOLING SYSTEM

## 9N-3288 PUMP GP-WATER

S/N: 41Z1-1013

PART OF 105-9697 ENGINE AR

SMCS-1361, 1363, 1364, 1373, 1384, 1389, 1394

i00148887

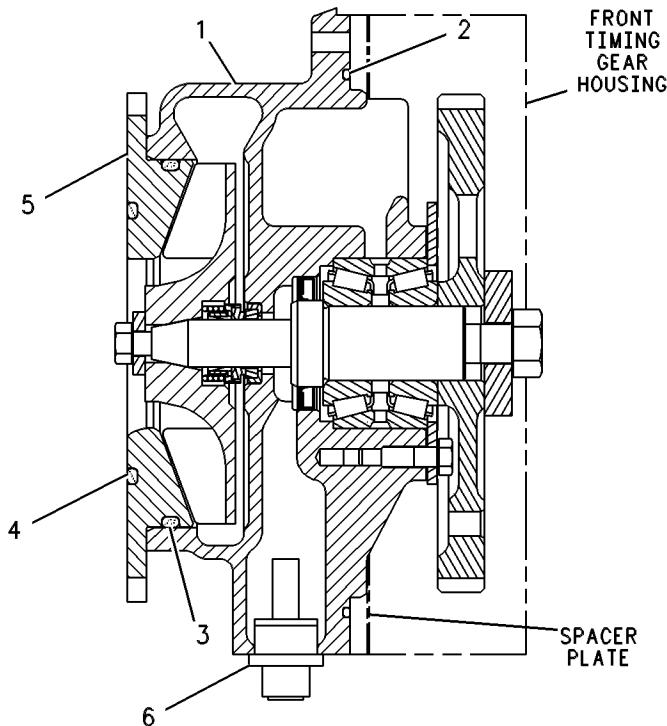
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
YR	1	1	102-5939	1	PUMP GP-WATER	158
	2	1	122-3772	1	SEAL-O-RING (215.49MM ID)	
	3	1	9M-3786	1	SEAL-O-RING (139.06MM ID)	
	4	1	109-0077	1	SEAL-O-RING (100.97MM ID)	
	5	1	7C-9222	1	ADAPTER-INLET	
	6	1	127-0890	1	STANDPIPE	

AVAILABLE REPAIR KIT(S):

105-4985	1	KIT-WATER PUMP REBUILD
----------	---	------------------------

R - REMFG PART MAY BE AVAILABLE

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

g00108938

# COOLING SYSTEM

## 9N-3288 PUMP GP-WATER

S/N: 41Z1014-2317

PART OF 105-9697 ENGINE AR

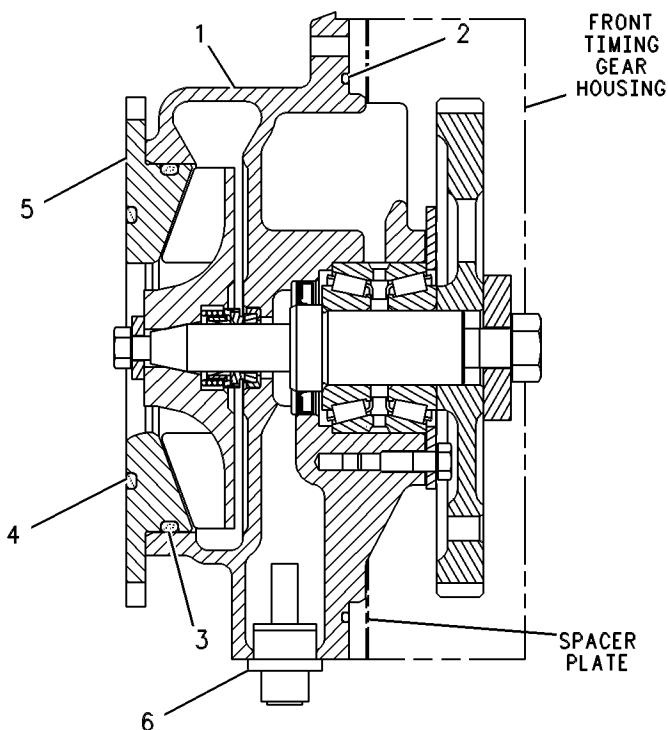
SMCS-1361, 1363, 1364, 1373, 1384, 1389, 1394

i00148889

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6		
CY	1	1	134-1341	1	PUMP GP-WATER							159
	2	1	122-3772	1	SEAL-O-RING (215.49MM ID)							
	3	1	9M-3786	1	SEAL-O-RING (139.06MM ID)							
	4	1	109-0077	1	SEAL-O-RING (100.97MM ID)							
	5	1	7C-9222	1	ADAPTER-INLET							
	6	1	127-0890	1	STANDPIPE							

C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00108938

# COOLING SYSTEM

## 9N-3288 PUMP GP-WATER

S/N: 41Z2318-13656

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1361, 1363, 1364, 1373, 1384, 1389, 1394

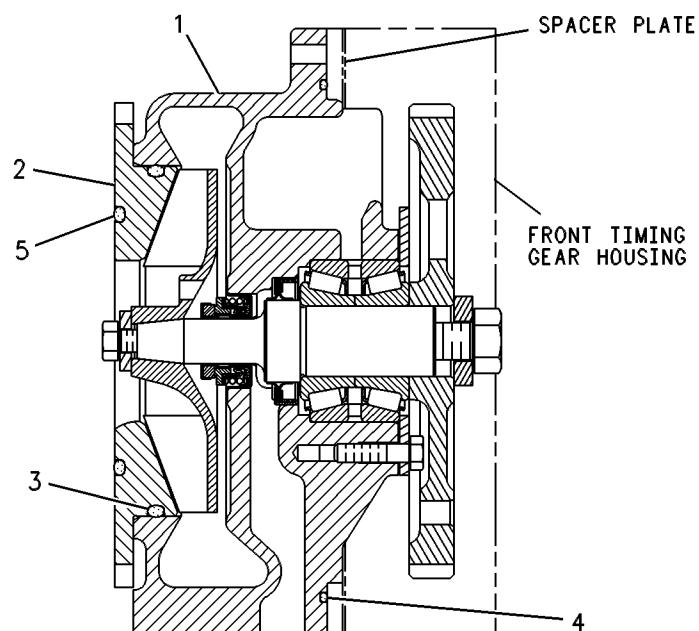
i00148892

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
CYR	1	1	135-4926	1	PUMP GP-WATER	160
	2	1	7C-9222	1	ADAPTER - INLET	
	3	1	9M-3786	1	SEAL - O-RING (139.06MM ID)	
	4	1	122-3772	1	SEAL - O-RING (215.49MM ID)	
	5	1	109-0077	1	SEAL - O-RING (100.97MM ID)	

C-CHANGE FROM PREVIOUS TYPE

R-REMFG PART MAY BE AVAILABLE

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00109502

# COOLING SYSTEM

## 9Y-5647 PUMP GP-WATER

S/N: 41Z13657-UP

PART OF 105-9697 ENGINE AR

SMCS-1361, 1363, 1364, 1373, 1384, 1389, 1394

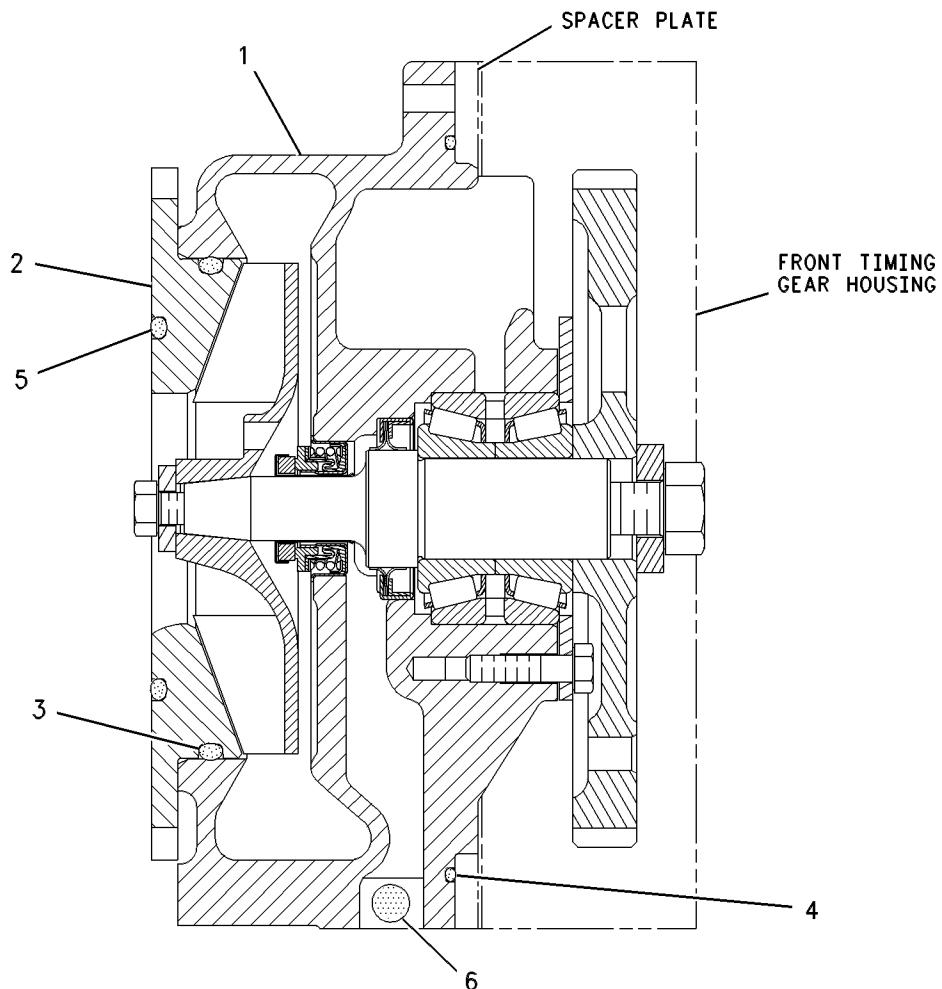
i01099477

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
CYR	1	1	135-4926	1	PUMP GP-WATER							160
	2	1	4P-2383	1	ADAPTER - INLET							
	3	1	9M-3786	1	SEAL - O-RING (139.06MM ID)							
	4	1	122-3772	1	SEAL - O-RING (215.49MM ID)							
	5	1	109-0077	1	SEAL - O-RING (100.97MM ID)							
	6	1	136-3742	1	FILTER - WATER PUMP							

C-CHANGE FROM PREVIOUS TYPE

R-REMFG PART MAY BE AVAILABLE

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00582155

# COOLING SYSTEM

## 102-5939 PUMP GP-WATER

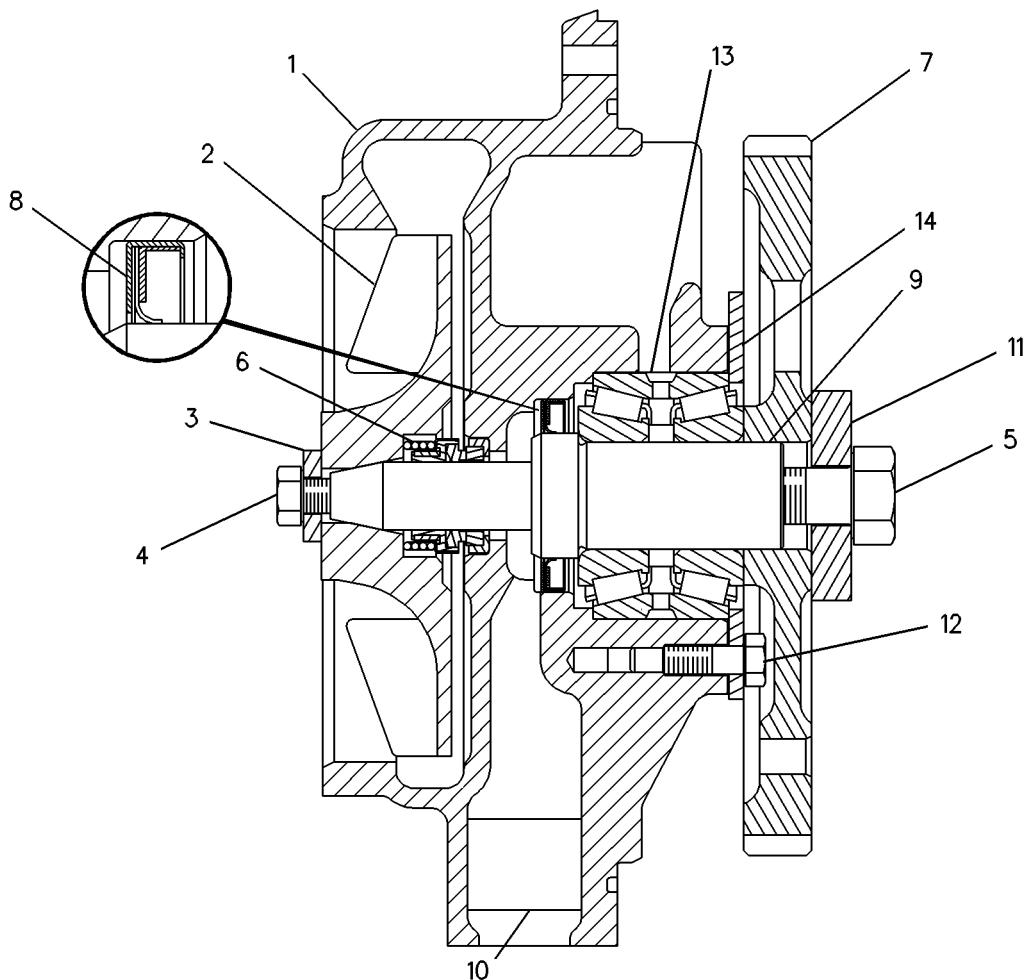
S/N: 41Z1-1013

### PART OF 9N-3288 PUMP GP-WATER

SMCS-1361, 1363, 1364, 1373, 1384, 1389, 1394

i00149000

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
1	1		102-5946	1	HOUSING-PUMP							
2	1		7C-5479	1	IMPELLER-PUMP							
3	1		9M-6527	1	WASHER-HARD (5.0MM THK)							
4	1		0S-1591	1	BOLT (3/8-16X1.5IN)							
5	1		1A-1135	1	BOLT (5/8-11X2IN)							
6	1		101-0700	1	SEAL GP							
7	1		4N-0350	1	GEAR-WATER PUMP DRIVE (74 T)							
8	1		8C-3100	1	SEAL-LIP							
9	1		7W-1821	1	SHAFT-WATER PUMP							
10	1		4N-1400	1	FILTER							
11	1		2P-3696	1	RETAINER							
12	1		1B-7182	4	BOLT (5/16-18X1.25IN)							
13	1		102-8478	1	BEARING AS-ROLLER							
14	1		102-5945	1	RETAINER							



GRAPHIC #1

g00111222

# COOLING SYSTEM

## 134-1341 PUMP GP-WATER

S/N: 41Z1014-2317

PART OF 9N-3288 PUMP GP-WATER

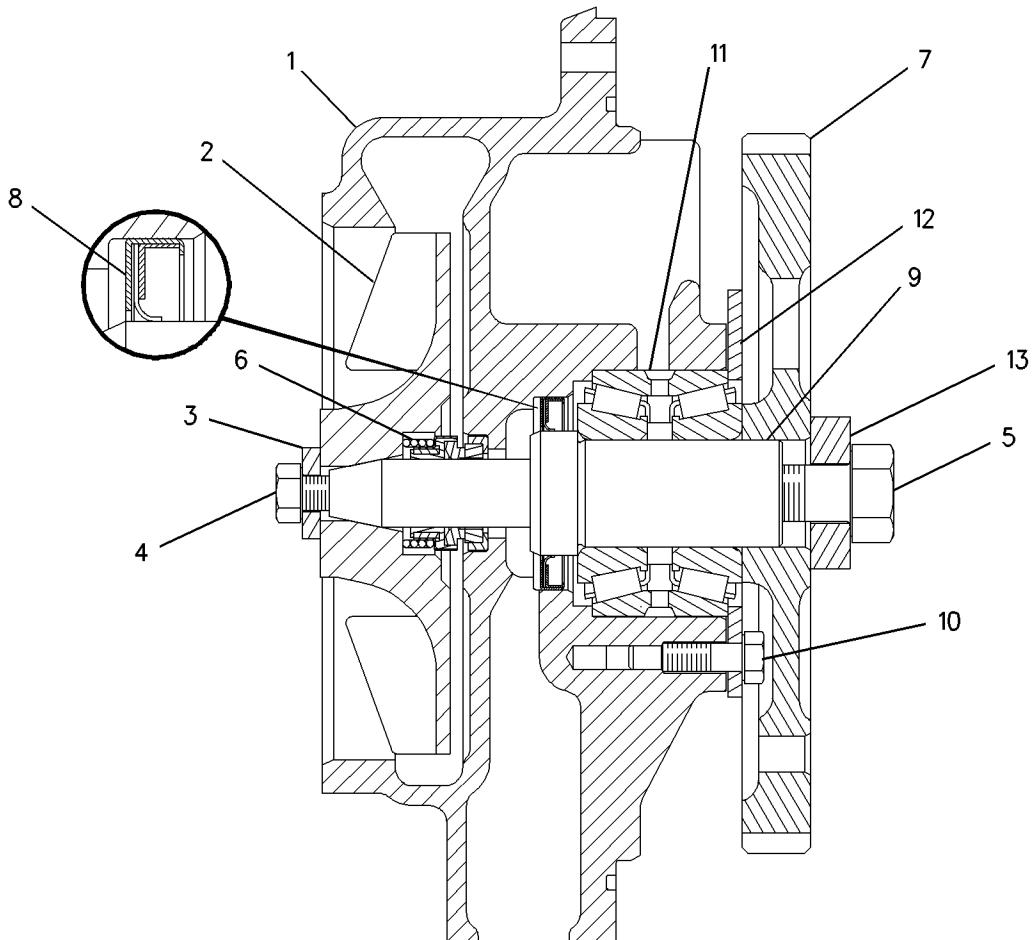
SMCS-1361, 1363, 1364, 1373, 1384, 1389, 1394

i01567878

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6 (PRODUCT LEVEL)		
1	1		102-5946	1	HOUSING - PUMP							
2	1		9Y-3778	1	IMPELLER - PUMP							
W	3	1	9M-6527	1	WASHER-HARD (10.2X25.5X5MM THK)							
W	4	1	OS-1591	1	BOLT (3/8-16X1.5 IN)							
W	5	1	1A-1135	1	BOLT (5/8-11X2 IN)							
W	6	1	131-3815	1	SEAL GP							
W	7	1	4N-0350	1	GEAR-WATER PUMP DRIVE (74 TEETH)							
W	8	1	8C-3100	1	SEAL-LIP							
W	9	1	135-4928	1	SHAFT-WATER PUMP							
W	10	1	1B-7182	4	BOLT (5/16-18X1.25 IN)							
W	11	1	108-7930	1	BEARING AS-ROLLER							
W	12	1	105-3785	1	RETAINER							
W	13	1	5S-0581	1	WASHER-HARD (17X38X8MM THK)							
AVAILABLE REPAIR KIT(S) :												
AW			129-3069	1	KIT-WATER PUMP REBUILD							

A-NOT PART OF THIS GROUP

W-KIT MARKED W INCLUDES PARTS MARKED W



GRAPHIC #1

g00814266

# COOLING SYSTEM

**135-4926 PUMP GP-WATER\*R**

S/N: 41Z2318-UP

PART OF 9N-3288, 9Y-5647 PUMP GP-WATER  
ALSO AN ATTACHMENT

SMCS-1361, 1363, 1364, 1373, 1384, 1389, 1394

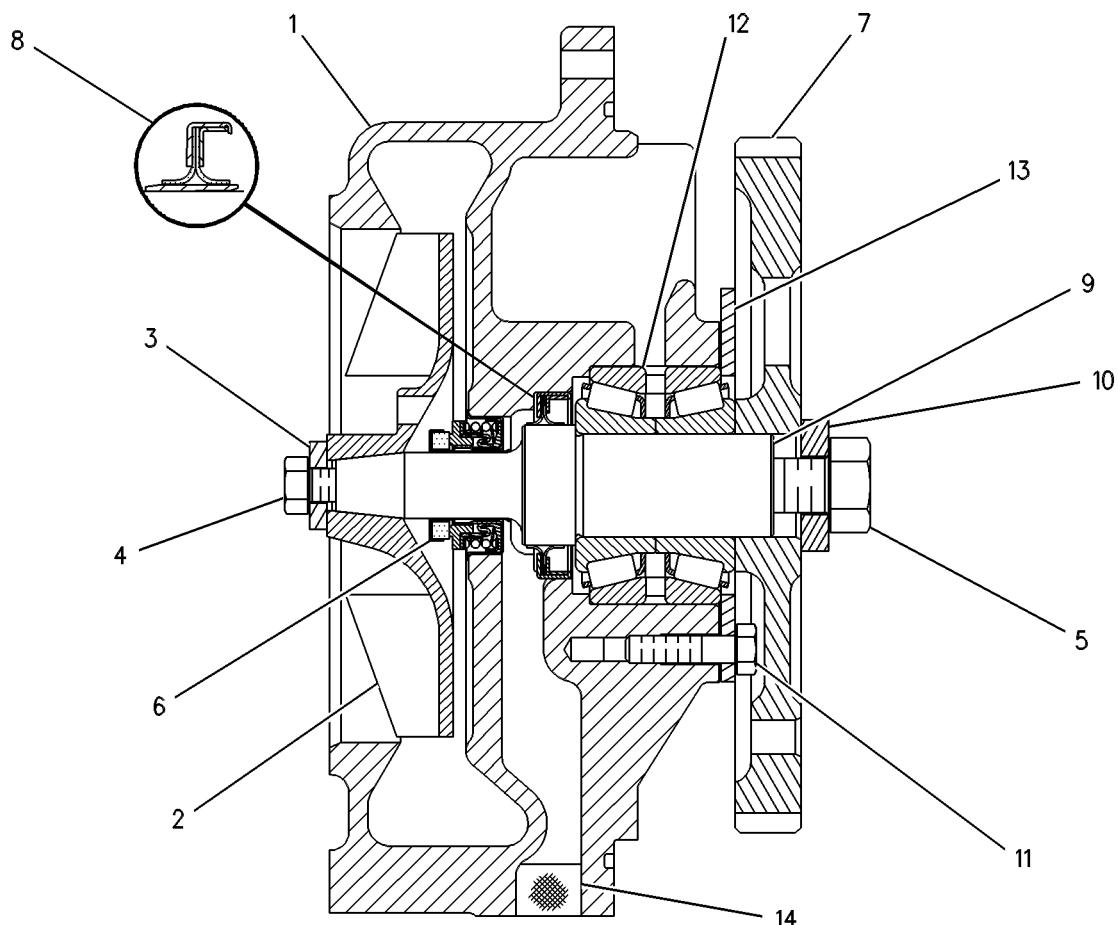
i00815383

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6 (PRODUCT LEVEL)		
	1	1	136-1106	1	HOUSING-WATER PUMP							
	2	1	129-9907	1	IMPELLER-PUMP							
J	3	1	9M-6527	1	WASHER-HARD (5.0MM THK)							
	4	1	0S-1591	1	BOLT (3/8-16X1.5IN)							
	5	1	1A-1135	1	BOLT (5/8-11X2IN)							
J	6	1	128-0317	1	SEAL GP							
	7	1	4N-0350	1	GEAR-WATER PUMP DRIVE (74 T)							
J	8	1	153-1256	1	SEAL-LIP TYPE							
J	9	1	135-4928	1	SHAFT-WATER PUMP							
J	10	1	5S-0581	1	WASHER-HARD (8MM THK)							
	11	1	1B-7182	4	BOLT (5/16-18X1.25IN)							
J	12	1	108-7930	1	BEARING AS-ROLLER							
J	13	1	136-1107	1	RETAINER							
J	14	1	136-3742	1	FILTER-WATER PUMP							
AVAILABLE REPAIR KIT(S) :												
	138-6744	1	KIT-PUMP REBUILD (INCLUDES PARTS MARKED J AND FILTER-COOLANT)									
	128-2922	1	KIT-GASKET (INCLUDES SEALS-O-RING AND GASKETS)									

# COOLING SYSTEM

135-4926 PUMP GP-WATER (*contd.*)

i00815383



GRAPHIC #1

g00109501

# COOLING SYSTEM

## 133-2882 RADIATOR AR

S/N: 9EM1-UP

FOR USE WITH LAMINATED THERMOSHIELD & CAB. CANNOT BE USED WITH FAN MODIFICATION OR  
FAN SPEED CHANGE; RADIATOR MOUNTED AIR CONDITIONER CONDENSER  
AN ATTACHMENT

SMCS-1353

i01239471

NOTE	PART NUMBER	QTY	PART NAME	1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			CORE AS-RADIATOR		
	124-7505	7	CORE AS-RADIATOR		
	124-7506	2	CORE AS-RADIATOR		
Y	128-4949	1	FAN AR-VARIABLE		130

Y-SEPARATE ILLUSTRATION

# COOLING SYSTEM

## 109-9979 RADIATOR GP

S/N: 9EM1-UP

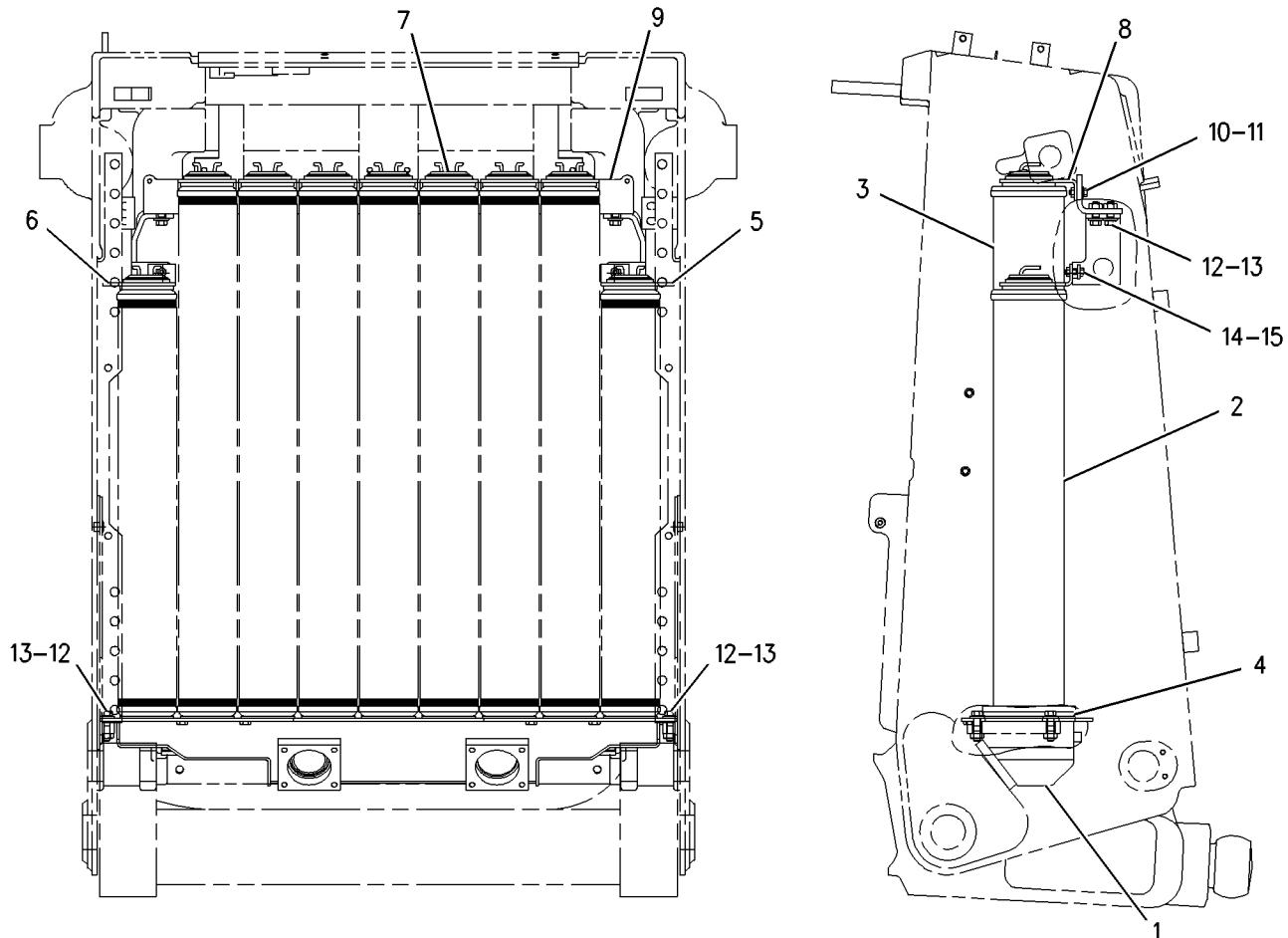
PART OF 109-9980 RADIATOR GP

SMCS-1351

i01470087

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1	116-3749	1	1	TANK AS-RADIATOR						
E	1	125-6743			SEAL-RUBBER (103CM)						
2	1	113-9539	2		CORE AS-RADIATOR						
3	1	109-3622	7		CORE AS-RADIATOR						
4	1	6I-2431	9		SEAL						
5	1	109-3609	1		RETAINER AS						
6	1	109-3610	1		RETAINER AS						
7	1	6I-2435	9		SPACER						
8	1	108-0697	7		RETAINER AS						
9	1	109-3611	1		BRACKET AS						
10	1	8T-2502	14		BOLT (3/8-16X1.125 IN)						
11	1	5P-1075	14		WASHER-HARD (10.2X22.5X3MM THK)						
12	1	5P-2566	8		BOLT (1/2-13X1.5 IN)						
13	1	5P-1076	8		WASHER-HARD (13.5X30X4MM THK)						
14	1	9B-7237	2		BOLT (3/8-16X1.25 IN)						
15	1	8T-2561	2		WASHER-HARD (10.5X28.5X5MM THK)						

E-ORDER BY THE CENTIMETER



REAR VIEW

RIGHT SIDE VIEW

GRAPHIC #1

g00737258

# COOLING SYSTEM

## 109-9980 RADIATOR GP

S/N: 9EM1-UP

SMCS-1351

i01053291

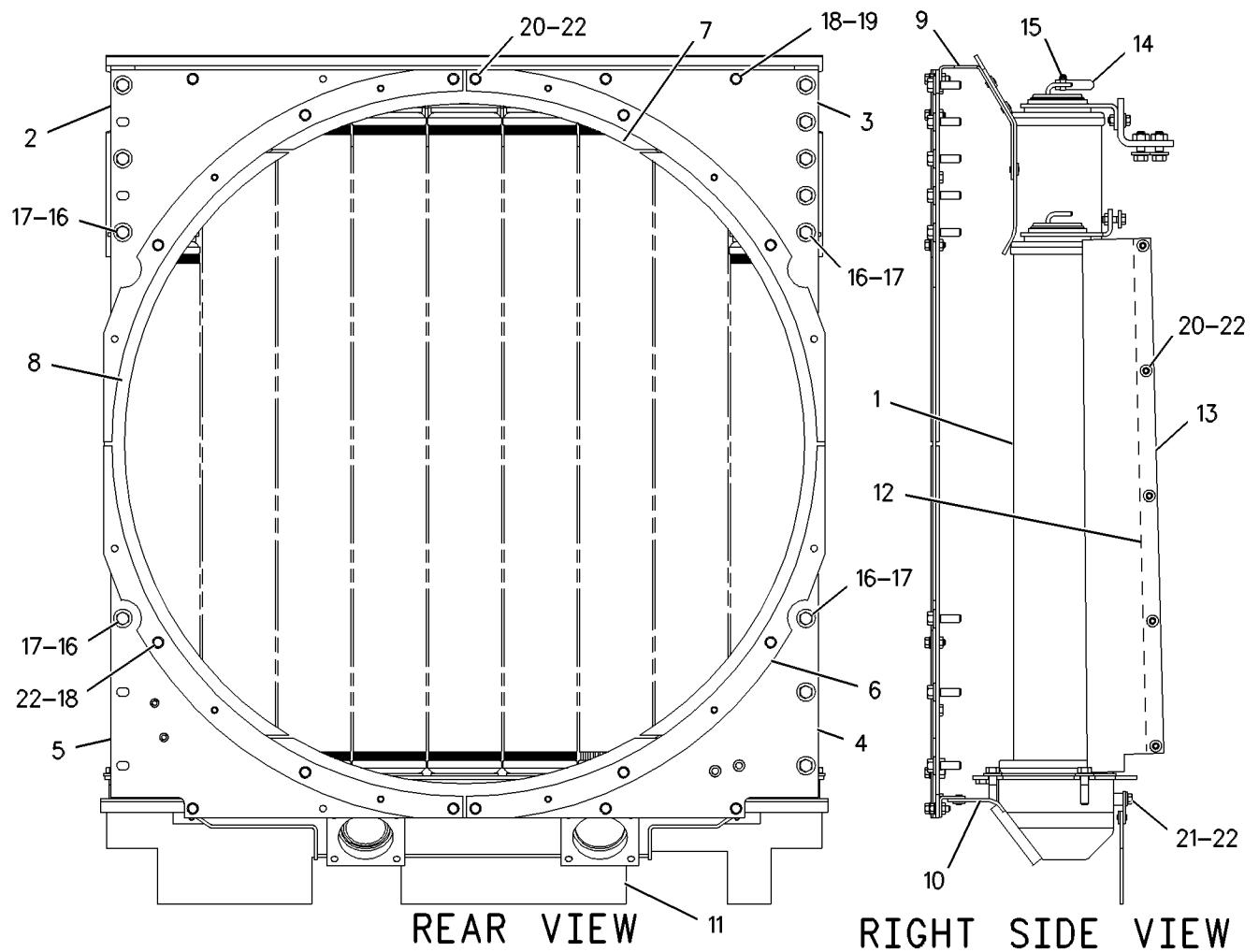
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
Y	1	1	109-9979	1	RADIATOR GP							163
	2	1	113-7336	1	SHIELD AS-TOP							
		1	1F-0750	4	NUT-WELD (3/8-16 THD)							
3	1	113-7335	1	1	SHIELD AS-TOP							
		1	1F-0750	4	NUT-WELD (3/8-16 THD)							
4	1	108-1799	1	1	SHIELD AS							
	1	1F-0748	2	1	NUT-WELD (1/2-13 THD)							
	1	1F-0750	4	1	NUT-WELD (3/8-16 THD)							
5	1	108-1798	1	1	SHIELD AS							
	1	1F-0750	6	1	NUT-WELD (3/8-16 THD)							
6	1	110-0285	4	1	STRIP							
7	1	108-0957	2	1	BAFFLE AS							
					(EACH INCLUDES)							
	1	7G-5186	6	1	SPACER							
8	1	108-0958	2	1	BAFFLE AS							
					(EACH INCLUDES)							
	1	7G-5186	6	1	SPACER							
9	1	115-9360	1	1	BAFFLE AS							
	1	1F-0750	7	1	NUT-WELD (3/8-16 THD)							
	1	6B-4594	16	1	RIVET (4.85MM DIA)							
10	1	109-3615	1	1	BAFFLE AS							
	1	1F-0750	6	1	NUT-WELD (3/8-16 THD)							
	1	6B-4594	6	1	RIVET (4.85MM DIA)							
11	1	109-3614	1	1	BAFFLE AS							
	1	6B-4594	7	1	RIVET (4.85MM DIA)							
12	1	112-3462	2	1	STRIP							
13	1	166-3773	2	1	BAFFLE AS							
					(EACH INCLUDES)							
	1	7G-5186	5	1	SPACER							
14	1	106-4572	6	1	HOSE (6.35MM ID)							
15	1	1P-4278	12	1	CLAMP							
16	1	8T-8919	12	1	BOLT (1/2-13X1.75IN)							
17	1	5P-1076	12	1	WASHER-HARD (4MM THK)							
18	1	4L-6454	16	1	BOLT (3/8-16X1.0IN)							
19	1	8T-4896	8	1	WASHER-HARD (2.5MM THK)							
20	1	9B-7237	14	1	BOLT (3/8-16X1.25IN)							
21	1	5S-7379	6	1	BOLT (3/8-16X.875IN)							
22	1	5P-1075	28	1	WASHER-HARD (3MM THK)							

Y - SEPARATE ILLUSTRATION

# COOLING SYSTEM

109-9980 RADIATOR GP (*contd.*)

i01053291



GRAPHIC #1

g00537539

# COOLING SYSTEM

## 124-7520 RADIATOR GP

S/N: 9EM1-UP

PART OF 124-4818 FAN AR-EJECTOR  
AN ATTACHMENT

SMCS-1351

i01223574

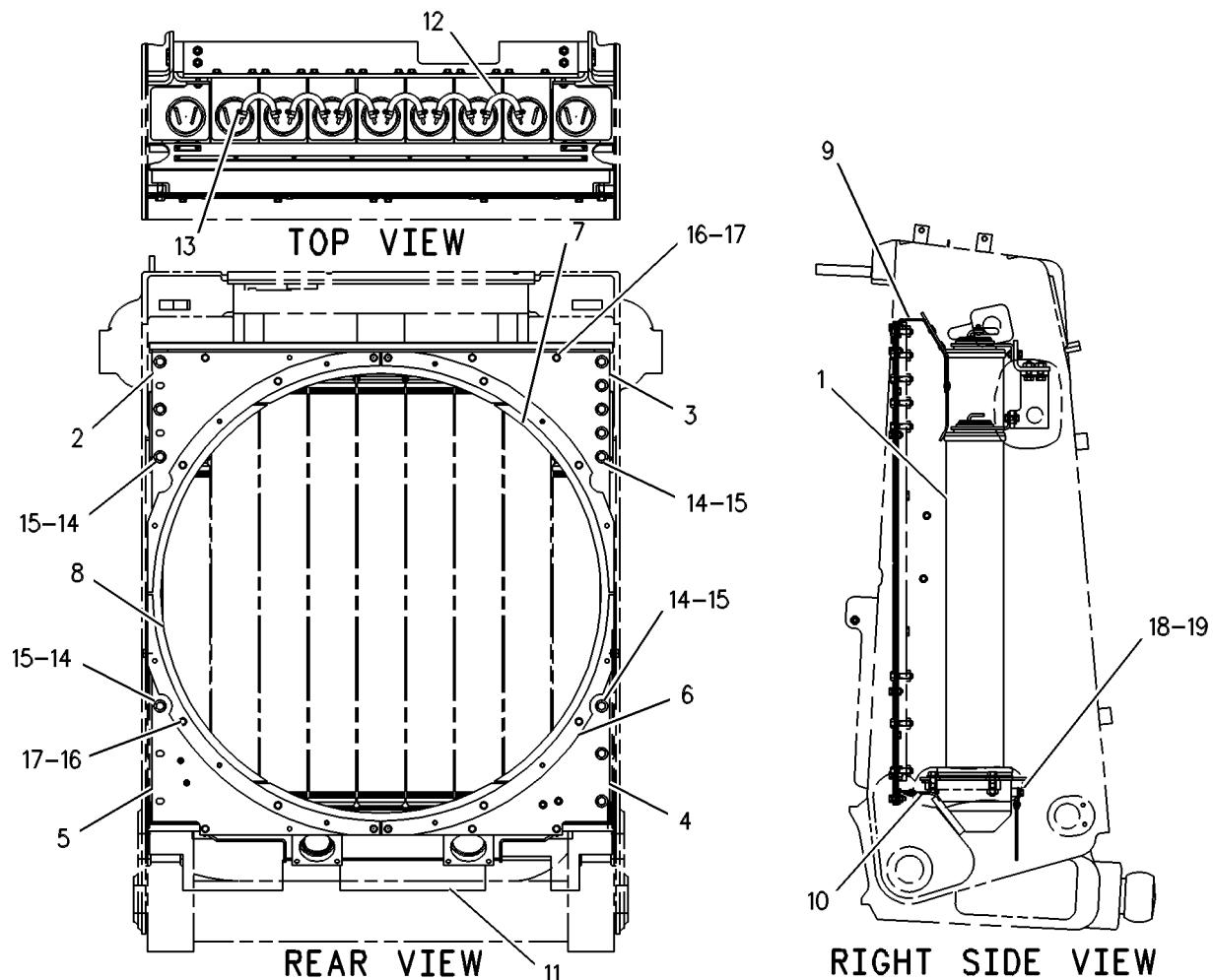
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
Y	1	1	125-8530	1	RADIATOR GP							168
	2	1	<b>113-7336</b>	1	SHIELD AS-TOP							
		1	<b>1F-0750</b>	4	NUT-WELD (3/8-16 THD)							
3	1	<b>113-7335</b>	1	1	SHIELD AS-TOP							
		1	<b>1F-0750</b>	4	NUT-WELD (3/8-16 THD)							
4	1	<b>108-1799</b>	1	1	SHIELD AS							
	1	<b>1F-0748</b>	2	1	NUT-WELD (1/2-13 THD)							
	1	<b>1F-0750</b>	4	1	NUT-WELD (3/8-16 THD)							
5	1	<b>108-1798</b>	1	1	SHIELD AS							
	1	<b>1F-0750</b>	6	1	NUT-WELD (3/8-16 THD)							
6	1	<b>110-0285</b>	4	1	STRIP							
7	1	<b>108-0957</b>	2	1	BAFFLE AS							
	1	<b>7G-5186</b>	6	1	SPACER							
8	1	<b>108-0958</b>	2	1	BAFFLE AS							
	1	<b>7G-5186</b>	6	1	SPACER							
9	1	<b>115-9360</b>	1	1	BAFFLE AS							
	1	<b>1F-0750</b>	7	1	NUT-WELD (3/8-16 THD)							
	1	<b>6B-4594</b>	16	1	RIVET (4.85MM DIA)							
10	1	<b>109-3615</b>	1	1	BAFFLE AS							
	1	<b>1F-0750</b>	6	1	NUT-WELD (3/8-16 THD)							
	1	<b>6B-4594</b>	6	1	RIVET (4.85MM DIA)							
11	1	<b>109-3614</b>	1	1	BAFFLE AS							
	1	<b>6B-4594</b>	7	1	RIVET (4.85MM DIA)							
12	1	<b>106-4572</b>	6	1	HOSE							
13	1	<b>1P-4278</b>	12	1	CLAMP (HOSE)							
14	1	<b>8T-8919</b>	12	1	BOLT (1/2-13X1.75IN)							
15	1	<b>5P-1076</b>	12	1	WASHER-HARD (4MM THK)							
16	1	<b>4L-6454</b>	20	1	BOLT (3/8-16X1 IN)							
17	1	<b>8T-4896</b>	20	1	WASHER-HARD (2.5MM THK)							
18	1	<b>5S-7379</b>	4	1	BOLT (3/8-16X.875IN)							
19	1	<b>5P-1075</b>	4	1	WASHER-HARD (3MM THK)							

Y - SEPARATE ILLUSTRATION

# COOLING SYSTEM

124-7520 RADIATOR GP (*contd.*)

i01223574



GRAPHIC #1

g00249939

# COOLING SYSTEM

## 125-8530 RADIATOR GP

S/N: 9EM1-UP

PART OF 124-7520 RADIATOR GP  
AN ATTACHMENT

**SMCS-1351**

**i01488407**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		<b>116-3749</b>	1	TANK AS-RADIATOR							
			<b>1F-0750</b>	5	NUT-WELD (3/8-16 THD)							
BE	1		<b>125-6743</b>		SEAL-RUBBER (103 CM)							
2	1		<b>178-9316</b>	7	CORE AS-RADIATOR							
3	1		<b>185-7976</b>	2	CORE AS-RADIATOR							
4	1		<b>6I-2431</b>	9	SEAL							
5	1		<b>109-3609</b>	1	RETAINER AS							
			<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)							
6	1		<b>109-3610</b>	1	RETAINER AS							
			<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)							
7	1		<b>6I-2435</b>	9	SPACER							
8	1		<b>108-0697</b>	7	RETAINER AS							
			<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)							
9	1		<b>109-3611</b>	1	BRACKET AS							
			<b>8T-5911</b>	4	NUT-WELD (1/2-13 THD)							
10	1		<b>8T-2502</b>	14	BOLT (3/8-16X1.125 IN)							
11	1		<b>5P-1075</b>	14	WASHER-HARD (10.2X22.5X3MM THK)							
12	1		<b>5P-2566</b>	4	BOLT (1/2-13X1.5 IN)							
13	1		<b>5P-1076</b>	8	WASHER-HARD (13.5X30X4MM THK)							
14	1		<b>9B-7237</b>	2	BOLT (3/8-16X1.25 IN)							
15	1		<b>8M-7145</b>	2	WASHER (10.2X28.5X5MM THK)							
16	1		<b>8T-4835</b>	4	BOLT (1/2-13X2 IN)							

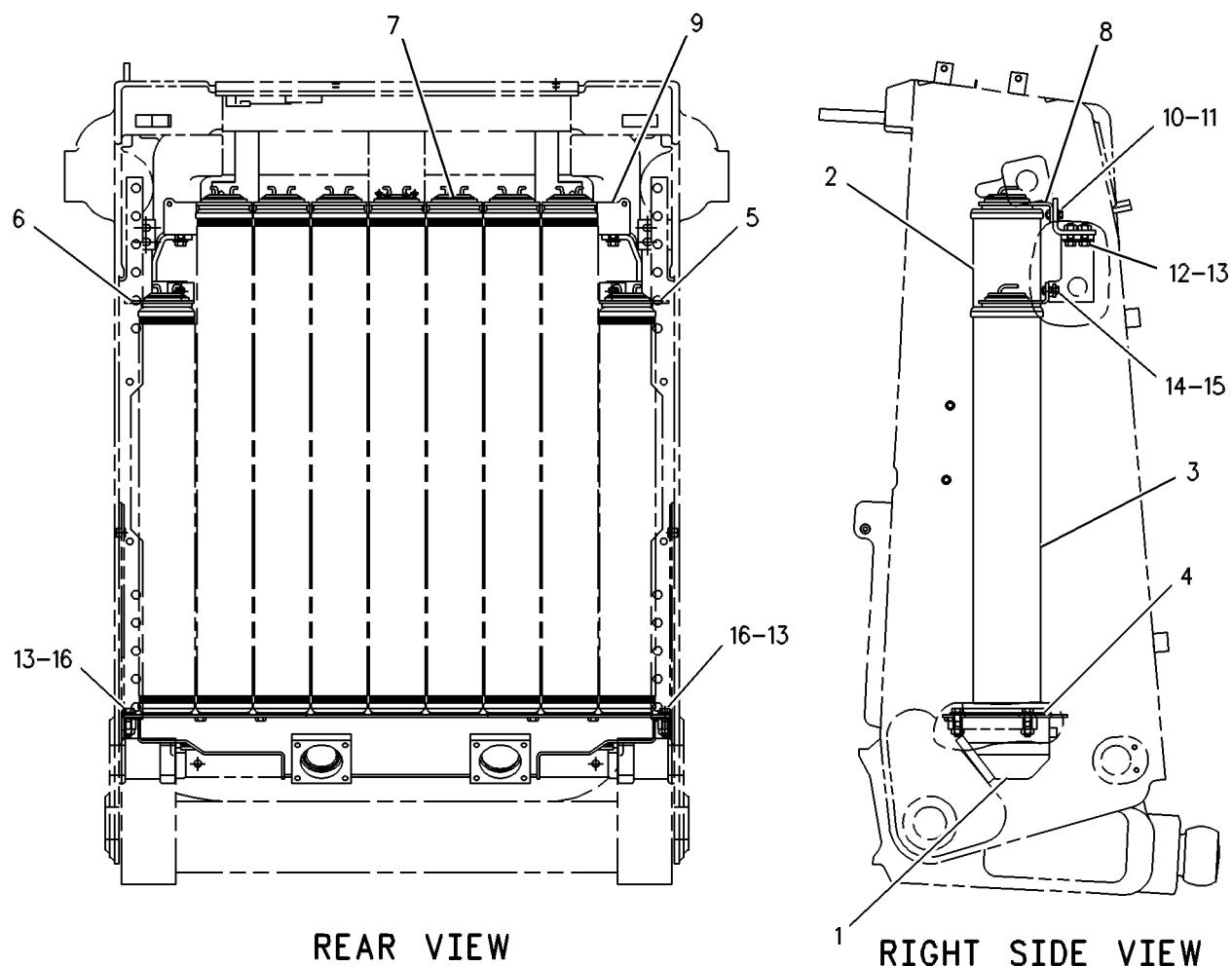
B-USE AS REQUIRED

E-ORDER BY THE CENTIMETER

# COOLING SYSTEM

125-8530 RADIATOR GP (*contd.*)

i01488407



GRAPHIC #1

g00249943

# COOLING SYSTEM

**131-4398 TANK GP-COOLANT**

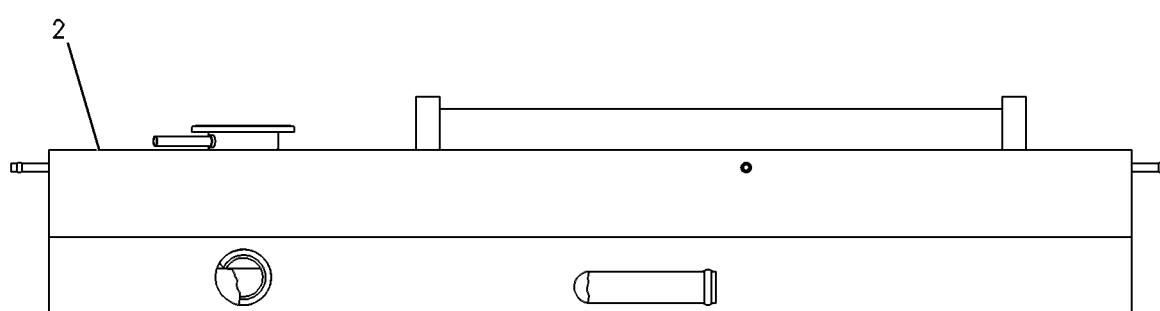
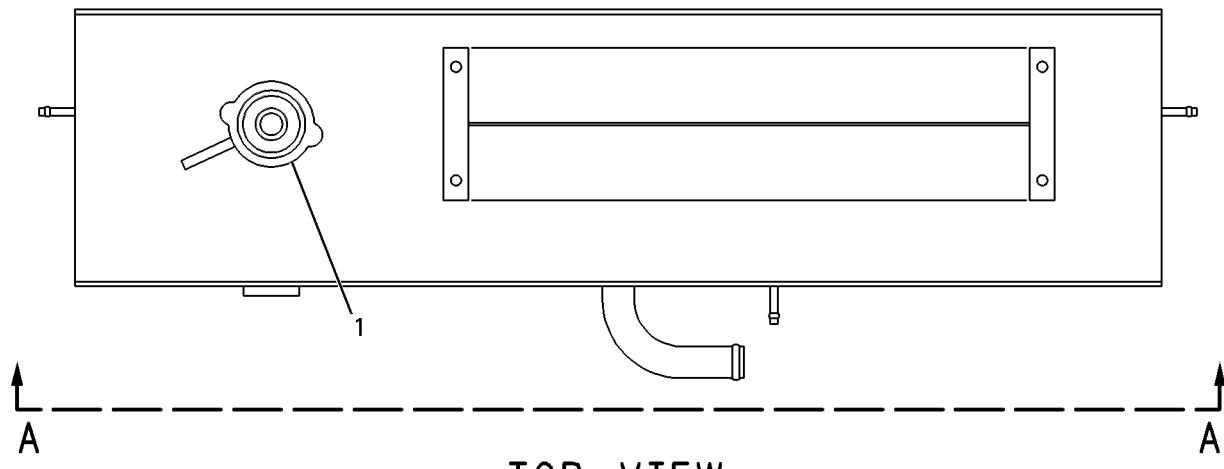
S/N: 9EM1-779

PART OF 117-5058 TANK GP-WATER

SMCS-1354, 1377

i00569806

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		031-1119	1	CAP AS-RADIATOR						
2	1		115-9373	1	TANK AS						
	1		8N-8846	1	NECK-FILLER						



GRAPHIC #1

g00256796

# COOLING SYSTEM

**165-6940 TANK GP-COOLANT**

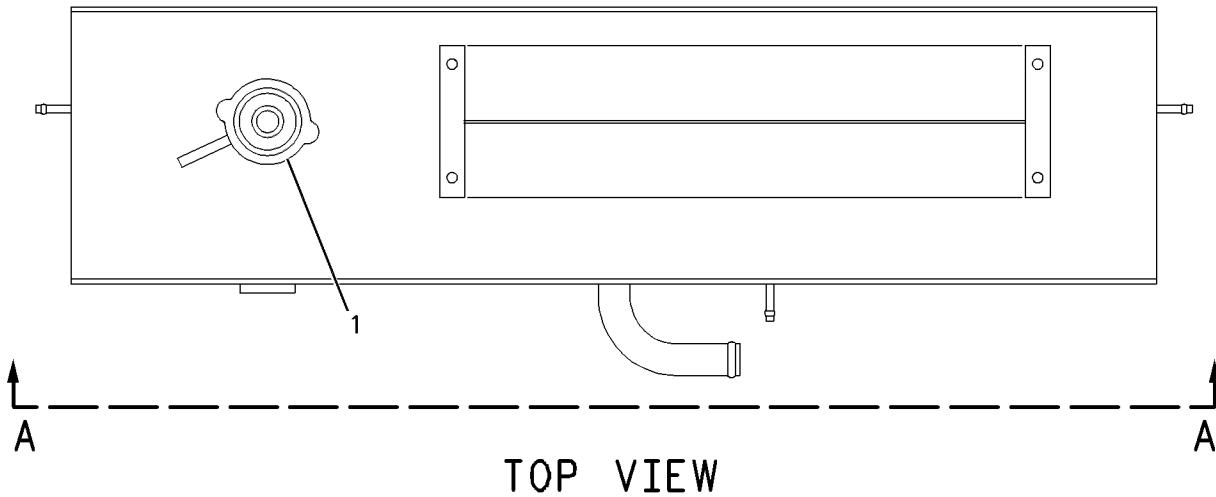
S/N: 9EM780-UP

PART OF 117-5058 TANK GP-WATER

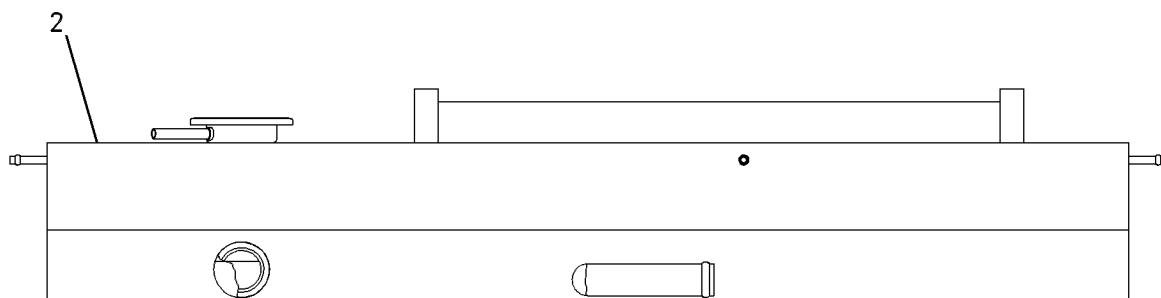
SMCS-1354, 1377

i01369585

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1	031-1119	1	1	CAP AS-RADIATOR						
2	1	188-0755	1	1	TANK AS-COOLANT						



TOP VIEW



VIEW A-A

GRAPHIC #1

g00547744

# COOLING SYSTEM

## 117-5058 TANK GP-WATER

S/N: 9EM1-779

SMCS-1377

i01219803

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
	1	1	<b>106-4572</b>	2	HOSE							
	2	1	<b>111-7421</b>	2	CAP							
	3	1	<b>9Y-9236</b>	1	BODY AS-GAUGE							
	4	1	<b>7M-8485</b>	1	SEAL-O-RING (29.74MM ID)							
	5	1	<b>113-6364</b>	2	BAFFLE AS (EACH INCLUDES)							
			<b>7G-5186</b>	2	SPACER							
	6	1	<b>113-6363</b>	2	STRIP							
	7	1	<b>4L-6454</b>	4	BOLT (3/8-16X1 IN)							
	8	1	<b>8T-4896</b>	5	WASHER-HARD (2.5MM THK)							
	9	1	<b>5P-1075</b>	4	WASHER-HARD (3MM THK)							
E	10	1	<b>5P-1251</b>		HOSE (145CM)							
	11	1	<b>110-2445</b>	2	CLAMP-HOSE							
	12	1	<b>4P-7429</b>	2	CLIP (13.5MM ID)							
	13	1	<b>9X-6772</b>	3	STRAP-CABLE							
	14	1	<b>7W-1890</b>	1	ELBOW-90 DEGREE							
	15	1	<b>5P-4536</b>	1	ELBOW (90 DEGREE)							
E	16	1	<b>5P-1465</b>		HOSE (71CM)							
	17	1	<b>8T-2502</b>	4	BOLT (3/8-16X1.125IN)							
	18	1	<b>1P-4278</b>	16	CLAMP (HOSE)							
	19	1	<b>4P-8134</b>	1	CLIP (10.5MM ID)							
	20	1	<b>5S-7379</b>	1	BOLT (3/8-16X.875IN)							
	21	1	<b>109-6550</b>	2	TEE							
	22	1	<b>7D-7233</b>	1	CLIP (38.1MM ID)							
	23	1	<b>7N-1277</b>	1	BRACKET AS							
E	24	1	<b>8C-3681</b>		HOSE							
	25	1	<b>110-6139</b>	2	HOSE-JUMPER							
Y	26	1	131-4398	1	TANK GP-COOLANT							170
BE	27	1	<b>5P-1465</b>		HOSE							

B-USE AS REQUIRED

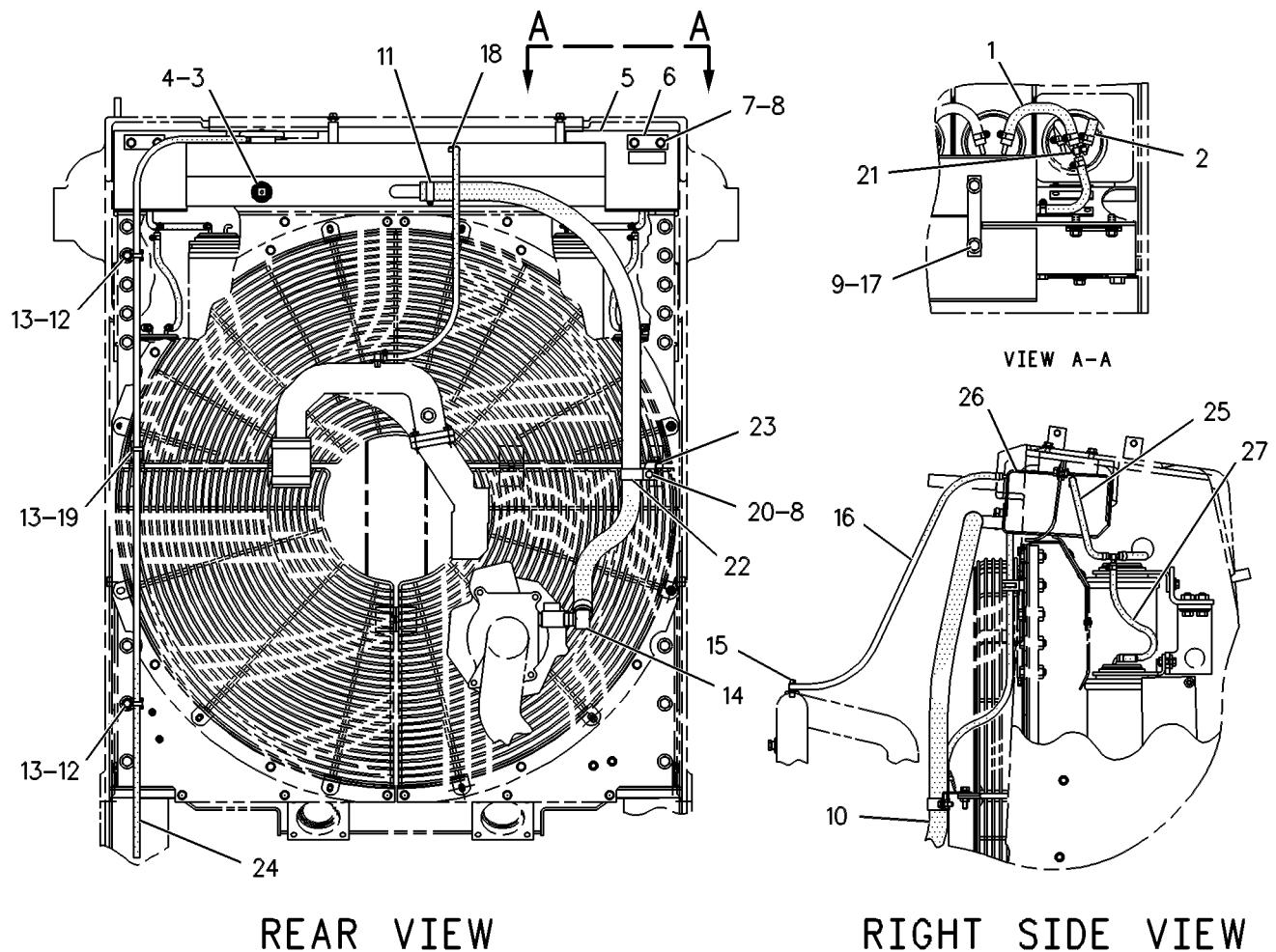
E-ORDER BY THE CENTIMETER

Y-SEPARATE ILLUSTRATION

# COOLING SYSTEM

117-5058 TANK GP-WATER (contd.)

i01219803



GRAPHIC #1

g00256793

# COOLING SYSTEM

## 117-5058 TANK GP-WATER

S/N: 9EM780-UP

SMCS-1377

i01508033

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		<b>106-4572</b>	2	HOSE						
2	1		<b>111-7421</b>	2	CAP						
3	1		<b>9Y-9236</b>	1	BODY AS-GAUGE						
4	1		<b>7M-8485</b>	1	SEAL-O-RING						
5	1		<b>113-6364</b>	2	BAFFLE AS (EACH INCLUDES)						
			<b>7G-5186</b>	2	SPACER (13X19X4.5MM THK)						
6	1		<b>113-6363</b>	2	STRIP						
7	1		<b>4L-6454</b>	4	BOLT (3/8-16X1 IN)						
8	1		<b>8T-4896</b>	5	WASHER-HARD (10.2X18.5X2.5MM THK)						
9	1		<b>5P-1075</b>	4	WASHER-HARD (10.2X22.5X3MM THK)						
E	10	1	<b>5P-1251</b>		HOSE (145CM)						
	11	1	<b>110-2445</b>	2	CLAMP-HOSE						
	12	1	<b>4P-7429</b>	2	CLIP						
	13	1	<b>9X-6772</b>	3	STRAP-CABLE						
	14	1	<b>7W-1890</b>	1	ELBOW						
	15	1	<b>5P-4536</b>	1	ELBOW						
E	16	1	<b>5P-1465</b>		HOSE (71CM)						
E	16A	1	<b>5P-1465</b>	2	HOSE (30CM EACH)						
	17	1	<b>8T-2502</b>	4	BOLT (3/8-16X1.125 IN)						
	18	1	<b>1P-4278</b>	16	CLAMP-HOSE						
	19	1	<b>4P-8134</b>	1	CLIP						
	20	1	<b>5S-7379</b>	1	BOLT (3/8-16X0.875 IN)						
	21	1	<b>192-5425</b>	2	TEE						
	22	1	<b>7D-7233</b>	1	CLIP						
	23	1	<b>7N-1277</b>	1	BRACKET AS						
E	24	1	<b>8C-3681</b>		HOSE (180CM)						
C	25	1	<b>164-3759</b>	2	HOSE						
CY	26	1	<b>165-6940</b>	1	TANK GP-COOLANT						171
	28	1	<b>3J-7354</b>	5	SEAL-O-RING						
	29	1	<b>6V-1355</b>	3	ELBOW						
	30	1	<b>9S-4182</b>	2	PLUG-O-RING						

C-CHANGE FROM PREVIOUS TYPE

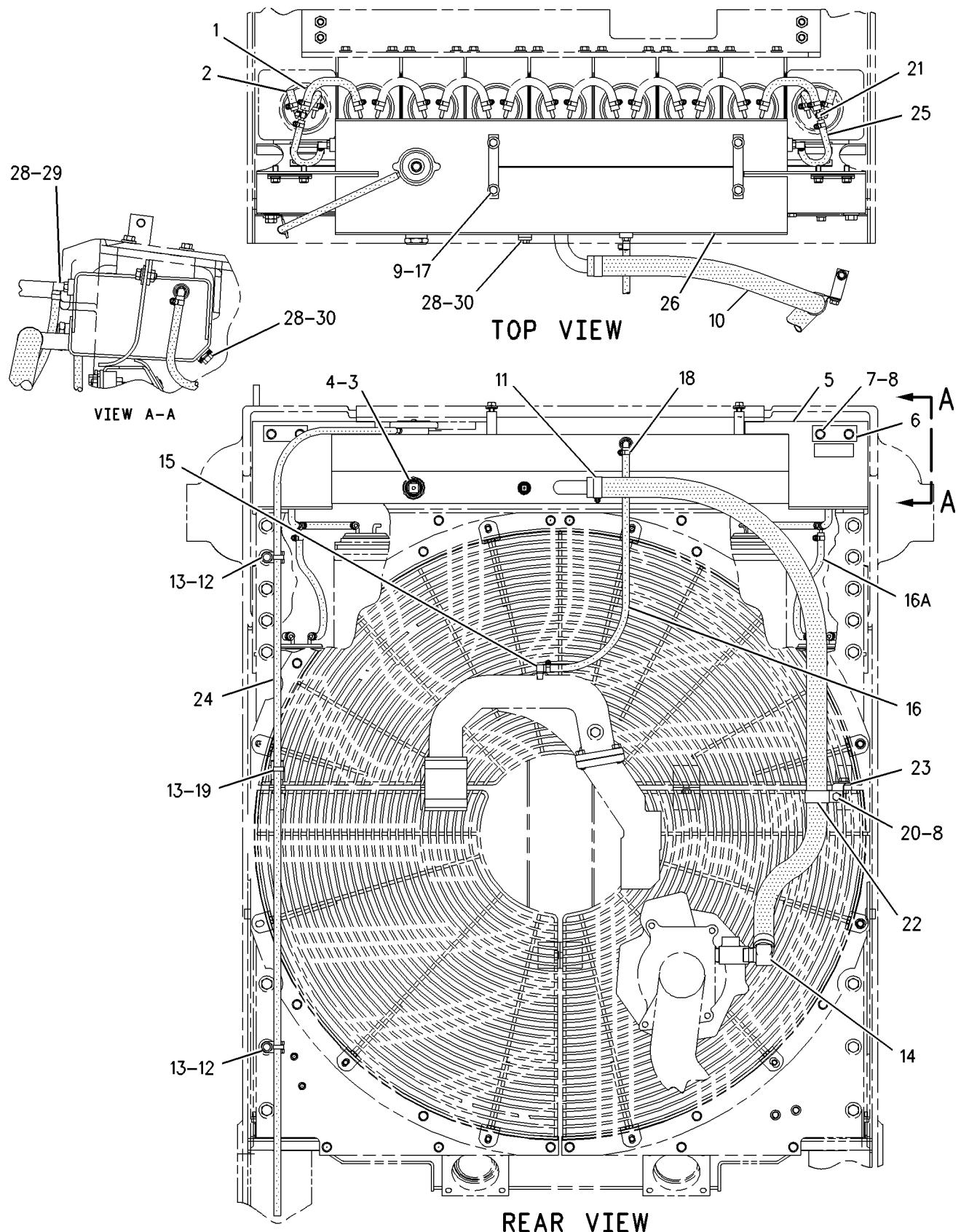
E-ORDER BY THE CENTIMETER

Y-SEPARATE ILLUSTRATION

# COOLING SYSTEM

117-5058 TANK GP-WATER (contd.)

i01508033



GRAPHIC #1

g00783109

# AIR INLET AND EXHAUST SYSTEM

## 122-1147 AFTERCOOLER GP

S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1063, 1064, 1079

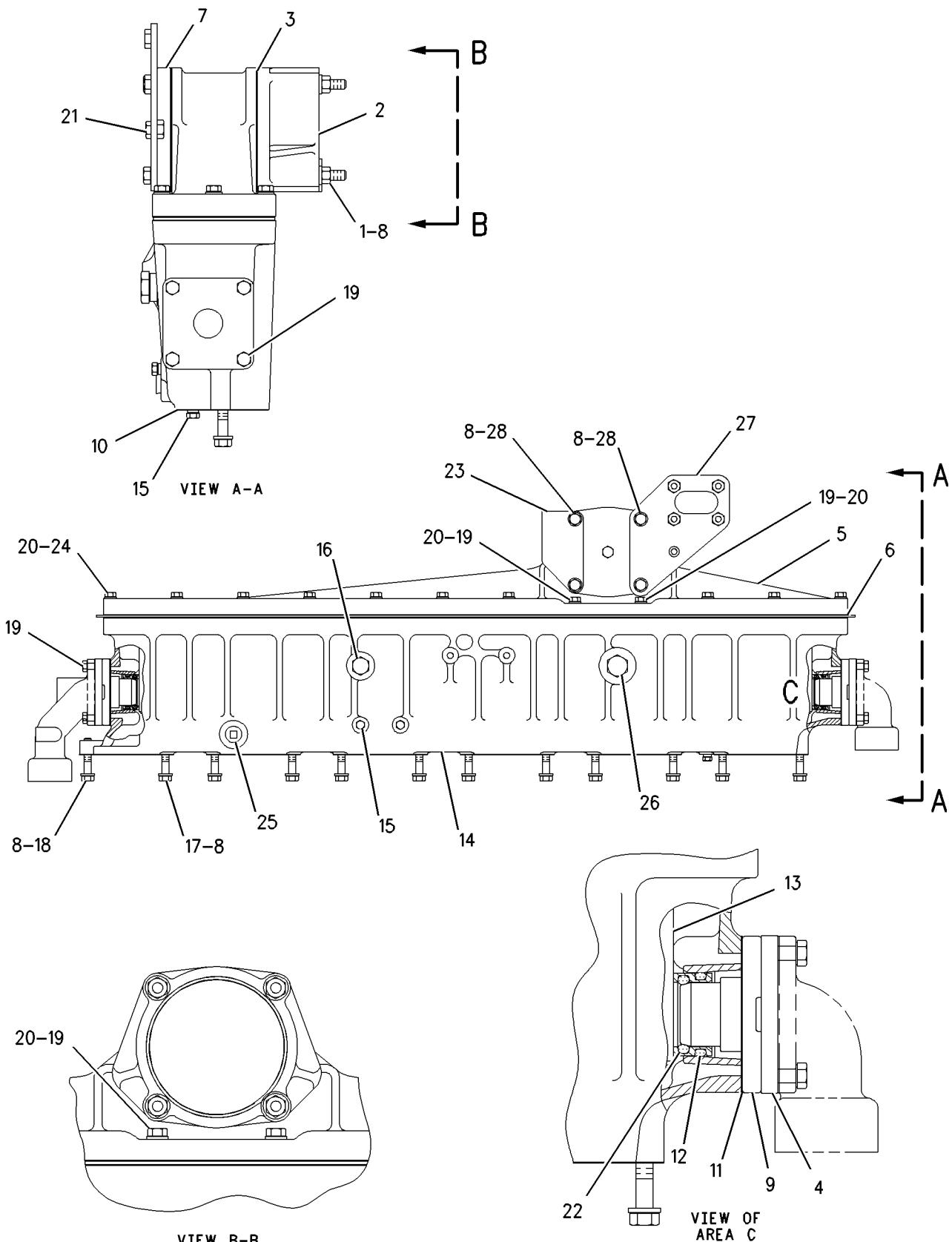
i01591910

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		9S-8752	4	NUT-FULL	(3/8-16 THD)					
2	1		8N-8100	1	ADAPTER						
3	1		7W-0688	2	GASKET-ADAPTER						
4	1		4W-4775	2	ADAPTER						
5	1		8N-8099	1	COVER-AFTERCoolER						
6	1		153-5484	2	GASKET-AFTERCoolER						
7	1		1W-0512	1	COVER-AFTERCoolER						
8	1		5M-2894	20	WASHER-HARD	(10.2X18.5X2.5MM THK)					
9	1		4N-4193	2	ADAPTER						
10	1		2N-8204	6	GASKET						
11	1		6L-9589	2	GASKET						
12	1		109-0078	2	SEAL-O-RING						
13	1		1W-4879	1	CORE AS-AFTERCoolER						
14	1		8N-8098	1	HOUSING-AFTERCoolER						
15	1		8T-6764	3	PLUG-PIPE						
16	1		7W-6492	1	PLUG-PIPE						
17	1		031-0219	11	BOLT-LOCKING	(3/8-16X1.75IN)					
18	1		5D-9844	1	BOLT-LOCKING	(3/8-16X2 IN)					
19	1		1B-9575	12	BOLT	(5/16-18X1.75 IN)					
20	1		9M-1974	26	WASHER-HARD	(8.8X16X2MM THK)					
21	1		8T-6765	1	PLUG-PIPE						
22	1		5P-7204	2	SEAL-O-RING						
23	1		122-1145	1	SUPPORT AS						
	1		1F-0750	3	NUT-WELD	(3/8-16 THD)					
24	1		2B-2694	22	BOLT	(5/16-18X2 IN)					
25	1		8T-6762	1	PLUG-PIPE						
26	1		3E-7430	1	PLUG-PIPE						
27	1		101-8846	1	PLATE AS						
	1		1F-0750	5	NUT-WELD	(3/8-16 THD)					
28	1		6B-1557	4	BOLT	(3/8-16X7.5 IN)					

# AIR INLET AND EXHAUST SYSTEM

122-1147 AFTERCOOLER GP (contd.)

i01591910



GRAPHIC #1

g00828752

# AIR INLET AND EXHAUST SYSTEM

## 122-1146 AIR CLEANER GP

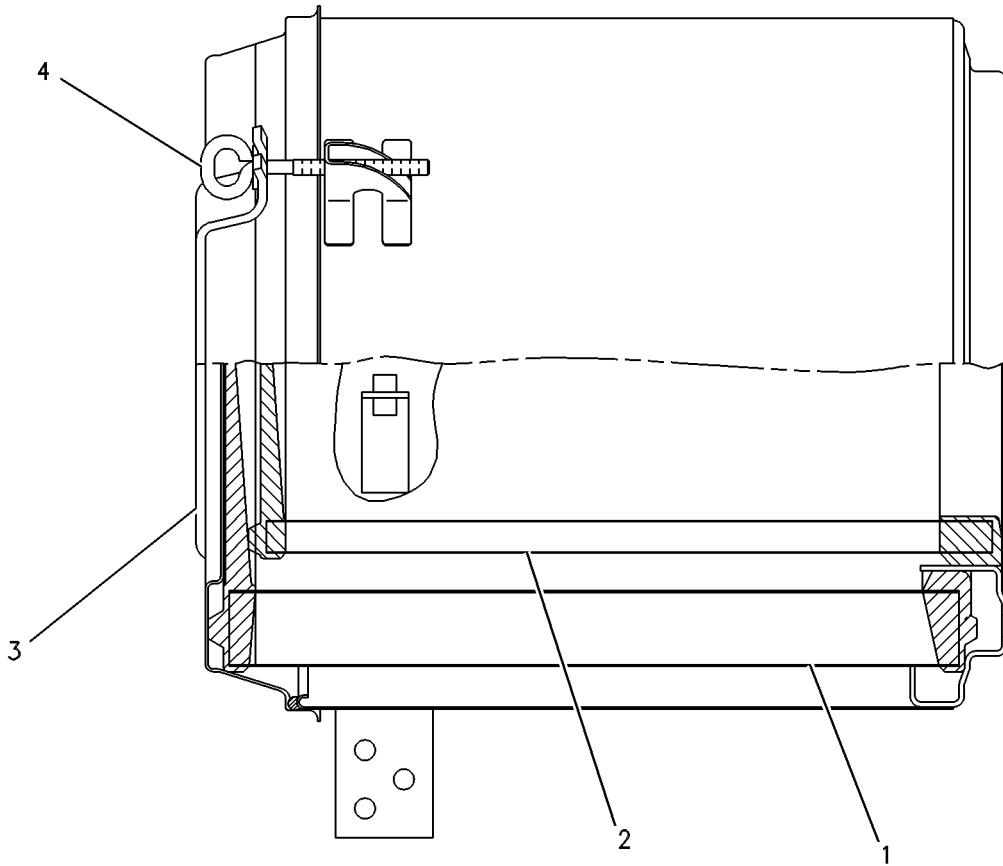
S/N: 9EM1-UP

PART OF 122-2210 AIR CLEANER GP

SMCS-1051, 1054

i00569729

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		6I-2505	1	FILTER ELEMENT AS-PRIMARY AIR						
2	1		6I-2506	1	FILTER ELEMENT AS-SEC AIR						
3	1		1P-8481	1	CUP AS-AIR CLEANER						
	1		6N-7692	1	GASKET						
4	1		3S-4115	2	BOLT AS						



GRAPHIC #1

g00249708

# AIR INLET AND EXHAUST SYSTEM

## 122-2210 AIR CLEANER GP

S/N: 9EM1-754

SMCS-1051, 1054

i00569749

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6		
Y	1	1	122-1146	1	AIR CLEANER GP							178
	2	1	1P-9390	1	GASKET-OUTLET							
	3	1	8T-4896	14	WASHER-HARD (2.5MM THK)							
	4	1	2K-4973	10	LOCKNUT (3/8-16 THD)							
	5	1	121-4865	1	BODY AS							
	6	1	5M-3062	4	BOLT (3/8-16X.750IN)							
	7	1	5P-4869	2	CLAMP-HOSE							
	8	1	121-4863	1	HOSE							
	9	1	7S-8817	1	PRECLEANER AS							
		1	0S-1591	1	BOLT (3/8-16X1.5IN)							
		1	1D-4717	1	NUT (3/8-16 THD)							
	10	1	4L-6454	3	BOLT (3/8-16X1.0IN)							
	11	1	0A-2926	1	NIPPLE							
	12	1	8N-2694	1	INDICATOR-AIR FILTER SERVICE							
	13	1	5L-3233	1	FITTING							
	14	1	3B-6487	1	COUPLING							
	15	1	3B-6552	1	ELBOW							
BD	16	1	5P-5630		TUBE							
	17	1	5P-2948	2	CONNECTOR-TUBE							
	18	1	5P-1075	3	WASHER-HARD (3MM THK)							

B-USE AS REQUIRED

D-ORDER BY THE METER

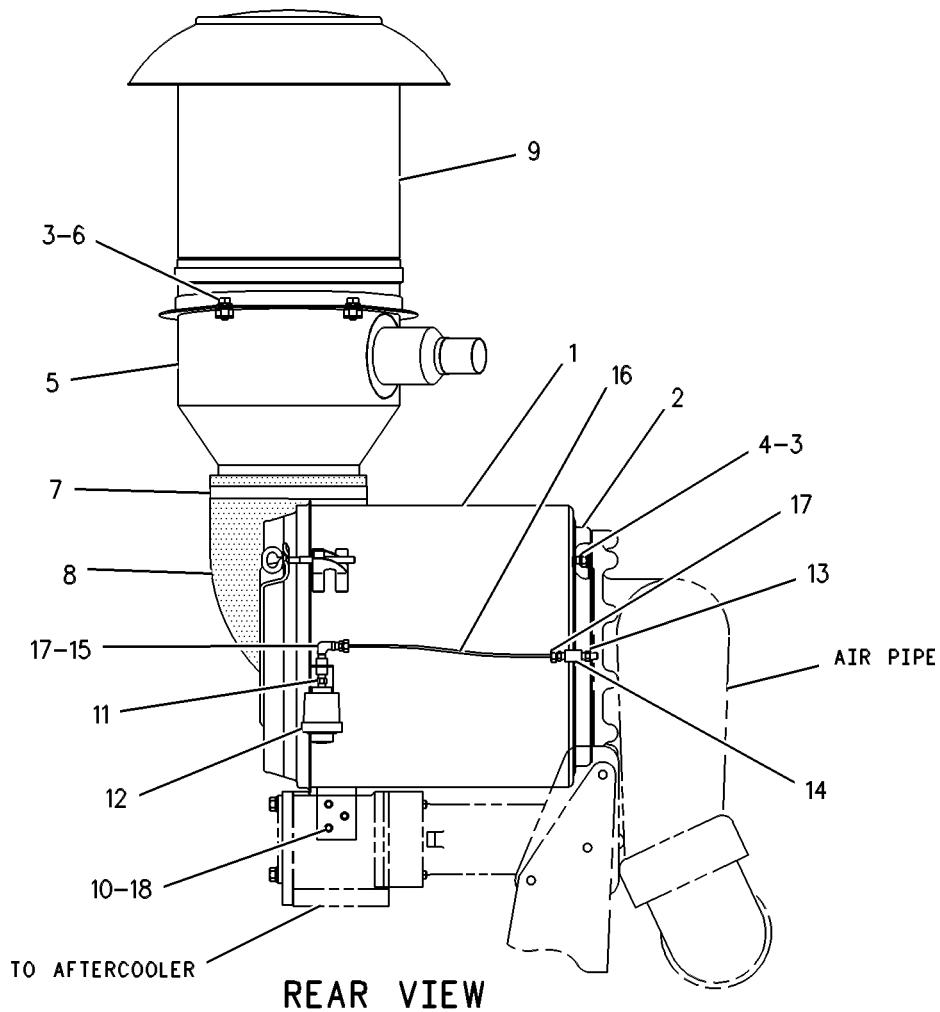
L-SOLD BY THE DECIMETER

Y-SEPARATE ILLUSTRATION

# AIR INLET AND EXHAUST SYSTEM

122-2210 AIR CLEANER GP (*contd.*)

i00569749



GRAPHIC #1

g00256788

# AIR INLET AND EXHAUST SYSTEM

## 173-0617 AIR CLEANER GP

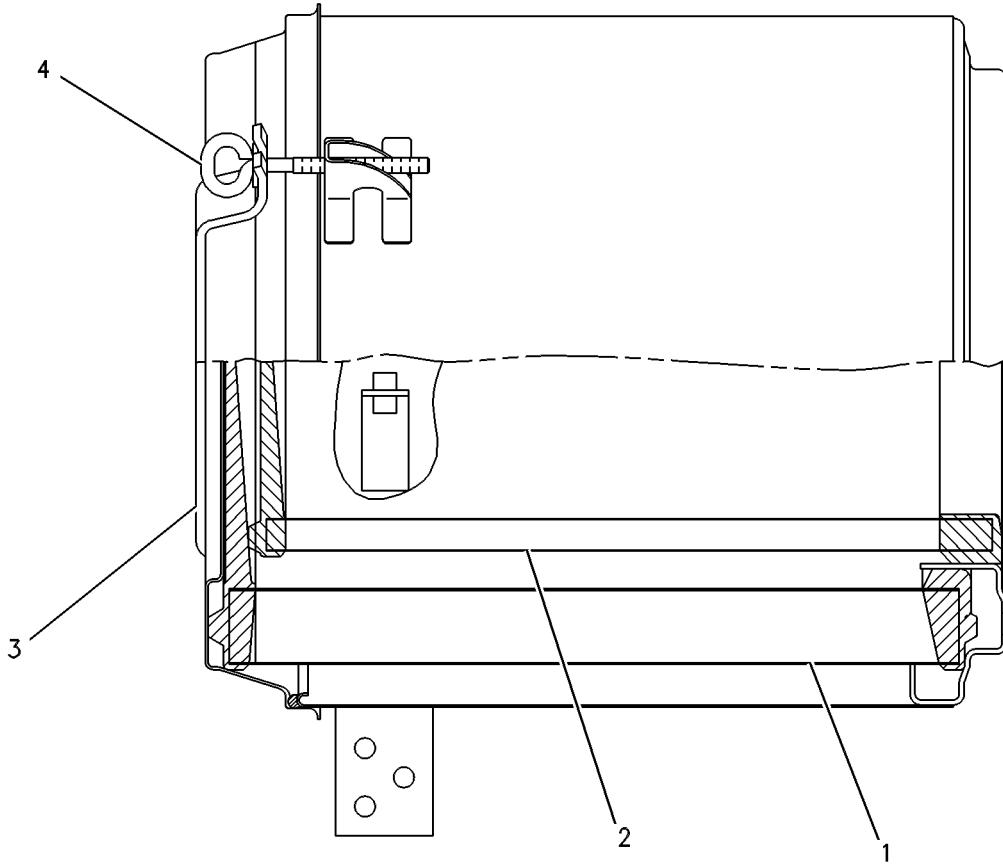
S/N: 9EM755-UP

PART OF 173-0618 AIR CLEANER GP

SMCS-1051, 1054

i01113794

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		6I-2505	1	FILTER ELEMENT AS-AIR						
2	1		6I-2506	1	FILTER ELEMENT AS-AIR						
3	1		1P-8481	1	CUP AS-AIR CLEANER						
	1		6N-7692	1	GASKET						
4	1		3S-4115	2	BOLT AS						



GRAPHIC #1

g00249708

# AIR INLET AND EXHAUST SYSTEM

## 173-0618 AIR CLEANER GP

S/N: 9EM755-UP

SMCS-1051, 1054

i01151664

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		0A-2926	1	NIPPLE							
2	1		1P-9390	1	GASKET-OUTLET							
3	1		3B-6552	1	ELBOW (90 DEGREES)							
4	1		5L-3233	1	FITTING							
5	1		5P-2948	2	CONNECTOR-TUBE							
6	1		5P-4869	2	CLAMP-HOSE							
7	1		7S-8817	1	PRECLEANER AS							
	1		0S-1591	1	BOLT (3/8-16X1.5 IN)							
	1		1D-4717	1	NUT (3/8-16 THD)							
8	1		8N-2694	1	INDICATOR-AIR FILTER SERVICE							
9	1		121-4863	1	HOSE							
10	1		121-4865	1	BODY AS							
11	1		173-0615	1	BAND							
12	1		173-0616	1	BAND							
Y	13	1	173-0617	1	AIR CLEANER GP							182
	14	1	124-9022	1	SCREW-BUTTON HEAD							
	15	1	2K-4973	11	LOCKNUT (3/8-16 THD)							
	16	1	3B-6487	1	COUPLING							
	17	1	5M-3062	4	BOLT (3/8-16X.75IN)							
	18	1	5P-1075	3	WASHER-HARD (3MM THK)							
	19	1	8T-4896	16	WASHER-HARD (2.5MM THK)							
	20	1	9B-7237	3	BOLT (3/8-16X1.25IN)							
BD	21	1	5P-5630		TUBE							

B-USE AS REQUIRED

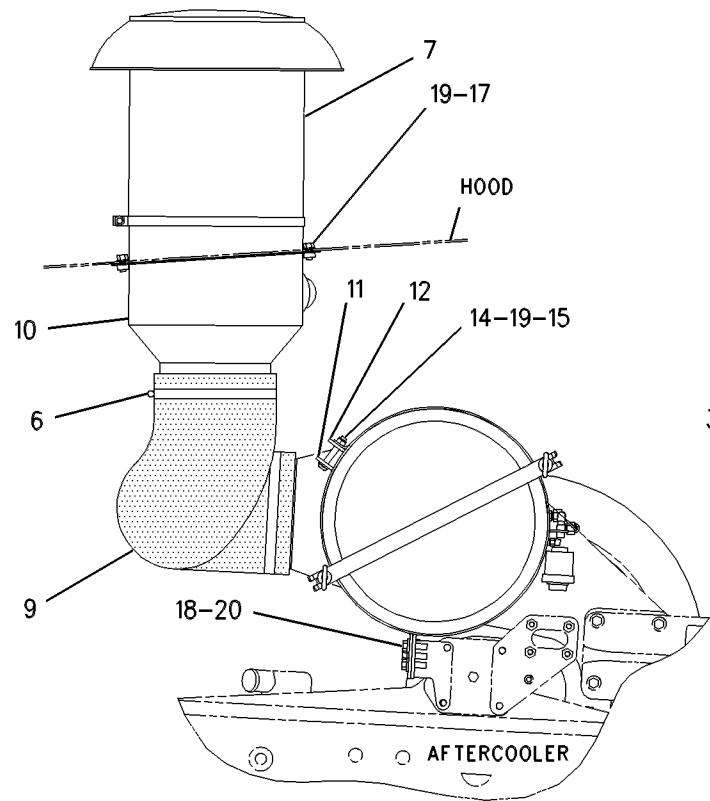
D-ORDER BY THE METER

Y-SEPARATE ILLUSTRATION

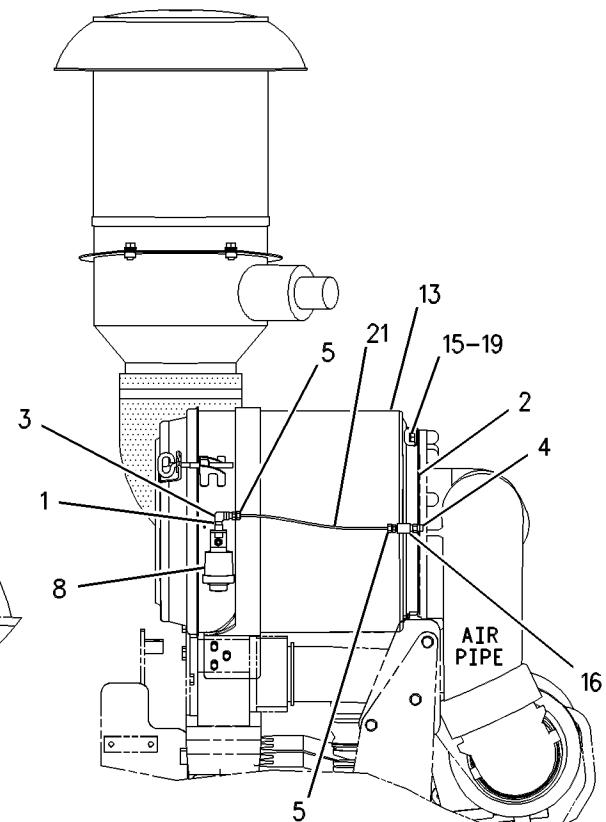
# AIR INLET AND EXHAUST SYSTEM

173-0618 AIR CLEANER GP (*contd.*)

i01151664



LEFT SIDE VIEW



REAR VIEW

GRAPHIC #1

g00592876

# AIR INLET AND EXHAUST SYSTEM

## 109-2196 CARTRIDGE GP - TURBOCHARGER

S/N: 41Z1-UP

PART OF 107-2060 TURBOCHARGER GP  
ALSO AN ATTACHMENT

SMCS-1053, 1056, 1077

i00570508

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6 (PRODUCT LEVEL)		
1	1		109-2725	1	NUT							
2	1		141-2010	1	WHEEL-COMPRESSOR							
3	1		5S-4556	1	INSERT							
4	1		5S-4546	1	RING-RETAINING							
5	1		4P-3627	1	HOUSING AS							
	1		5S-5199	1	PIN-GROOVED							
6	1		4N-7597	1	BEARING AS							
7	1		4W-7352	1	SLEEVE-SPACER							
8	1		4W-7355	1	PLATE-BACKING							
9	1		4W-7354	1	RING-PISTON (SEAL-PISTON RING)							
10	1		136-8317	1	SHAFT AS-TURBINE							
11	1		4W-7346	2	RING-THRUST							
12	1		5S-4549	1	DEFLECTOR-OIL							
13	1		5P-5757	1	SEAL-O-RING							
14	1		4W-7349	1	SLEEVE-FLINGER							
15	1		4M-8013	1	RING-PISTON							
16	1		9M-8915	4	RING-RETAINING							
AB	1		9S-3263		COMPOUND-LOCK							
AVAILABLE REPAIR KIT(S) :												
	4W-7344		1		KIT-BEARING							
					(STD ID, STD OD)							
	7C-2243		1		KIT-BEARING							
					(STD ID, 0.25MM OS OD)							
	7C-2245		1		KIT-BEARING							
					(0.25MM US ID, 0.25MM OS OD)							
	7C-2246		1		KIT-BEARING							
					(0.25MM US ID, STD OD)							
	7C-2247		1		KIT-BEARING							
					(0.25MM US ID, 0.51MM OS OD)							

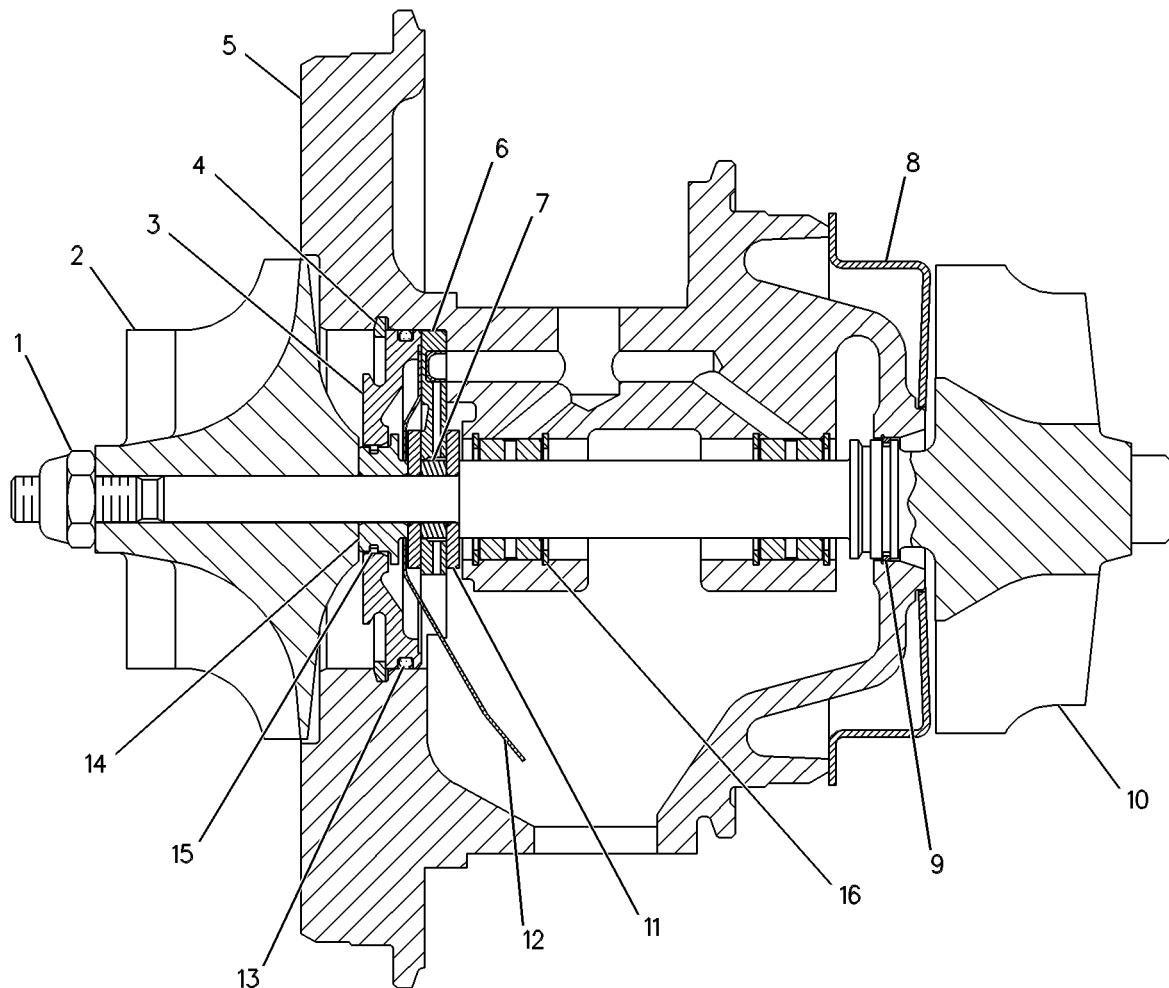
A-NOT PART OF THIS GROUP

B-USE AS REQUIRED

# AIR INLET AND EXHAUST SYSTEM

109-2196 CARTRIDGE GP - TURBOCHARGER (*contd.*)

i00570508



GRAPHIC #1

g00108884

# AIR INLET AND EXHAUST SYSTEM

## 109-2197 CARTRIDGE GP - TURBOCHARGER\*R

S/N: 41Z1-17171

PART OF 107-2061 TURBOCHARGER GP  
AN ATTACHMENT

SMCS-1053, 1056, 1077

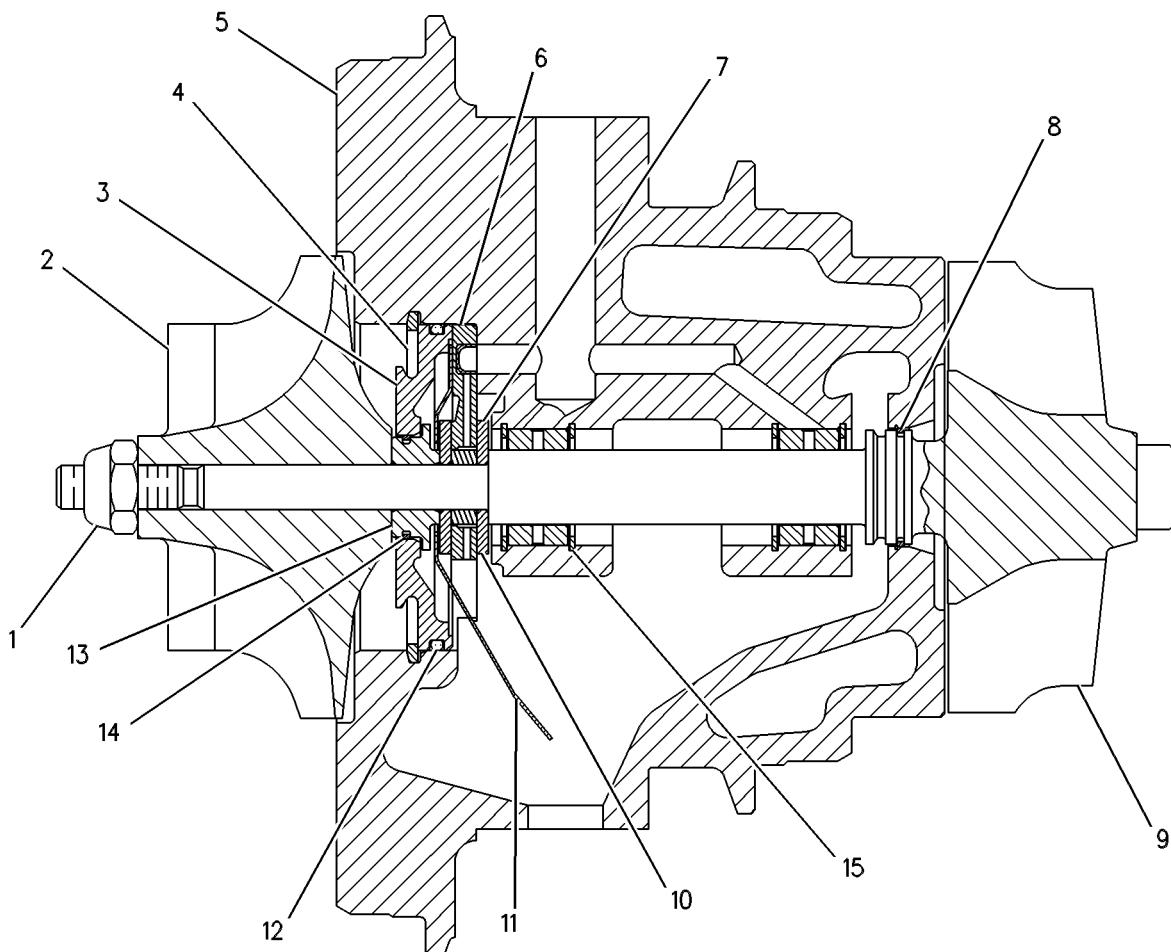
i01224002

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6		
1	1		109-2725	1	NUT							
2	1		141-2010	1	WHEEL-COMPRESSOR							
3	1		5S-4556	1	INSERT							
4	1		5S-4546	1	RING-RETAINING							
5	1		4P-7503	1	HOUSING AS							
	1		5S-5199	1	PIN-GROOVED							
6	1		4N-7597	1	BEARING AS							
7	1		4W-7352	1	SLEEVE-SPACER							
8	1		4W-7354	1	RING-SEAL							
9	1		136-8317	1	SHAFT AS-TURBINE							
10	1		4W-7346	2	RING-THRUST							
11	1		5S-4549	1	DEFLECTOR-OIL							
12	1		5P-5757	1	SEAL-O-RING (64.77MM ID)							
13	1		4W-7349	1	SLEEVE-FLINGER							
14	1		4M-8013	1	RING-PISTON							
15	1		9M-8915	4	RING-RETAINING							
X	1		OR-6807	1	CARTRIDGE GP - TURBOCHARGER							
AVAILABLE REPAIR KIT(S):												
	4W-7344			1	KIT-BEARING (STD ID,STD OD)							
	7C-2243			1	KIT-BEARING (STD ID,0.25MM OS OD)							
	7C-2245			1	KIT-BEARING (0.25MM US ID, 0.25MM OS OD)							
	7C-2246			1	KIT-BEARING (0.25MM US ID,STD OD)							
	7C-2247			1	KIT-BEARING (0.25MM US ID, 0.51MM OS OD)							
X-REBUILT PART (OPTIONAL SERVICE REPLACEMENT)												

# AIR INLET AND EXHAUST SYSTEM

109-2197 CARTRIDGE GP - TURBOCHARGER (*contd.*)

i01224002



GRAPHIC #1

g00249713

# AIR INLET AND EXHAUST SYSTEM

## 122-3347 DUST EJECTOR GP

S/N: 9EM1-UP

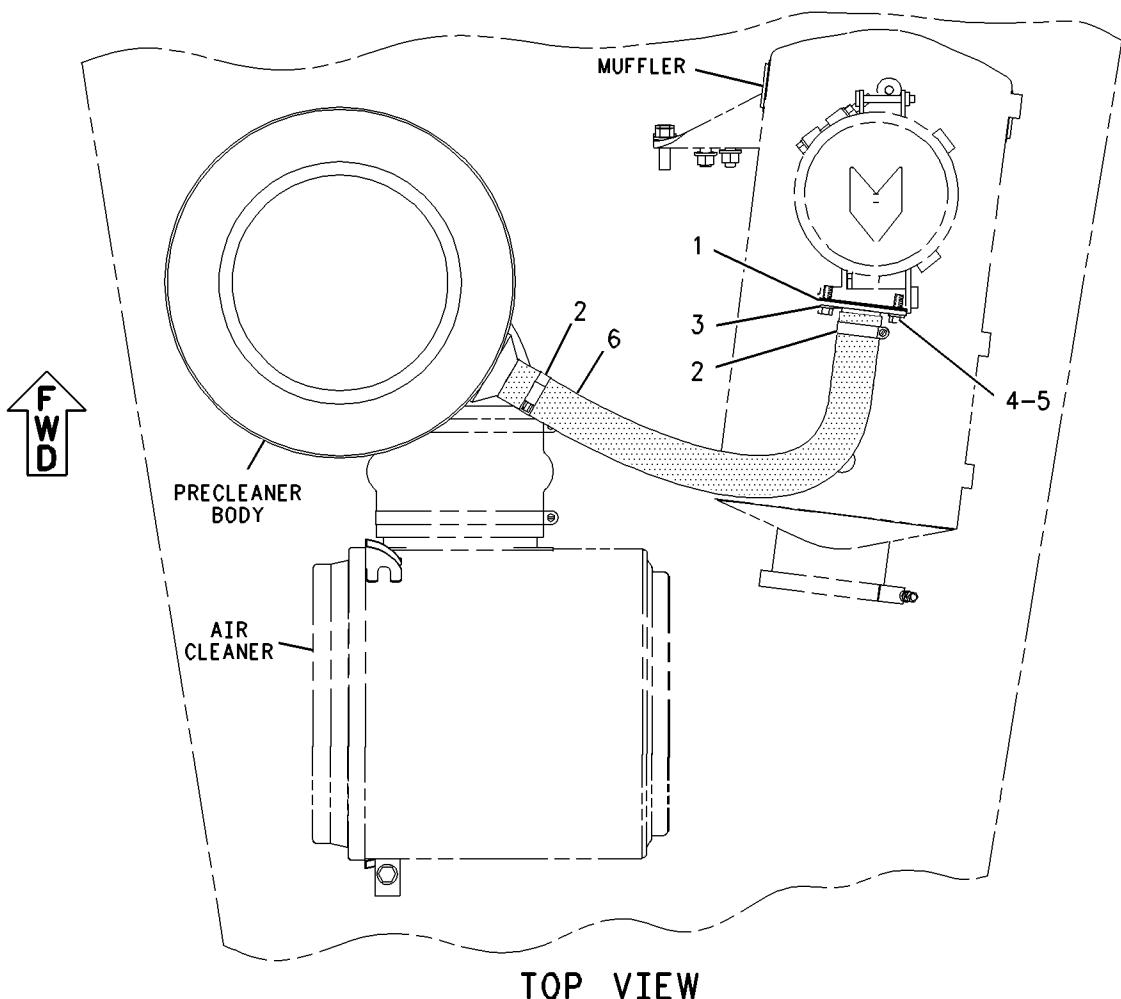
SMCS-1068

i01341049

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		7W-2735	1	GASKET							
2	1		9M-2904	2	CLAMP - HOSE							
3	1		122-4490	1	ADAPTER AS - HOSE							
4	1		OS-1594	2	BOLT (3/8-16X1 IN)							
5	1		5M-2894	2	WASHER-HARD (10.2X18.5X2.5MM THK)							
BE	6	1	5P-2817		HOSE							

B-USE AS REQUIRED

E-ORDER BY THE CENTIMETER



GRAPHIC #1

g00709941

# AIR INLET AND EXHAUST SYSTEM

## 102-4360 INDICATOR AR-AIR CLEANER

S/N: 9EM1-UP

AIR CLEANER (DASH MOUNTED) OPEN ROPS  
PART OF 123-6615 PRECLEANER AR  
AN ATTACHMENT

SMCS-7452

i01248491

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE					
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8N-2694	1	INDICATOR-AIR FILTER SERVICE						
	2	1	3B-6552	1	ELBOW (90 DEGREES)						
	3	1	103-4916	1	PIPE AS						
	4	1	3B-6487	1	COUPLING						
	5	1	5P-7907	1	CONNECTOR						
	6	1	5P-6313	2	NUT -FLARELESS						
	7	1	5P-6314	2	SLEEVE -FLARELESS						
BD	8	1	5P-5630		TUBE (1.9M)						
	9	1	4V-6981	1	SCREW-BUTTON HEAD (1/4-20X.75IN)						
	10	1	8T-4205	1	WASHER-HARD (2MM THK)						
	11	1	6V-8185	1	NUT (1/4-20 THD)						
	12	1	103-3711	1	RETAINER						
	13	1	2V-1937	1	GROMMET						
B	14	1	7K-1181	5	STRAP-CABLE (4IN DIA)						
	15	1	1Q-3770	1	PLATE AS						
	16	1	5P-6315	1	ELBOW-FLARELESS						

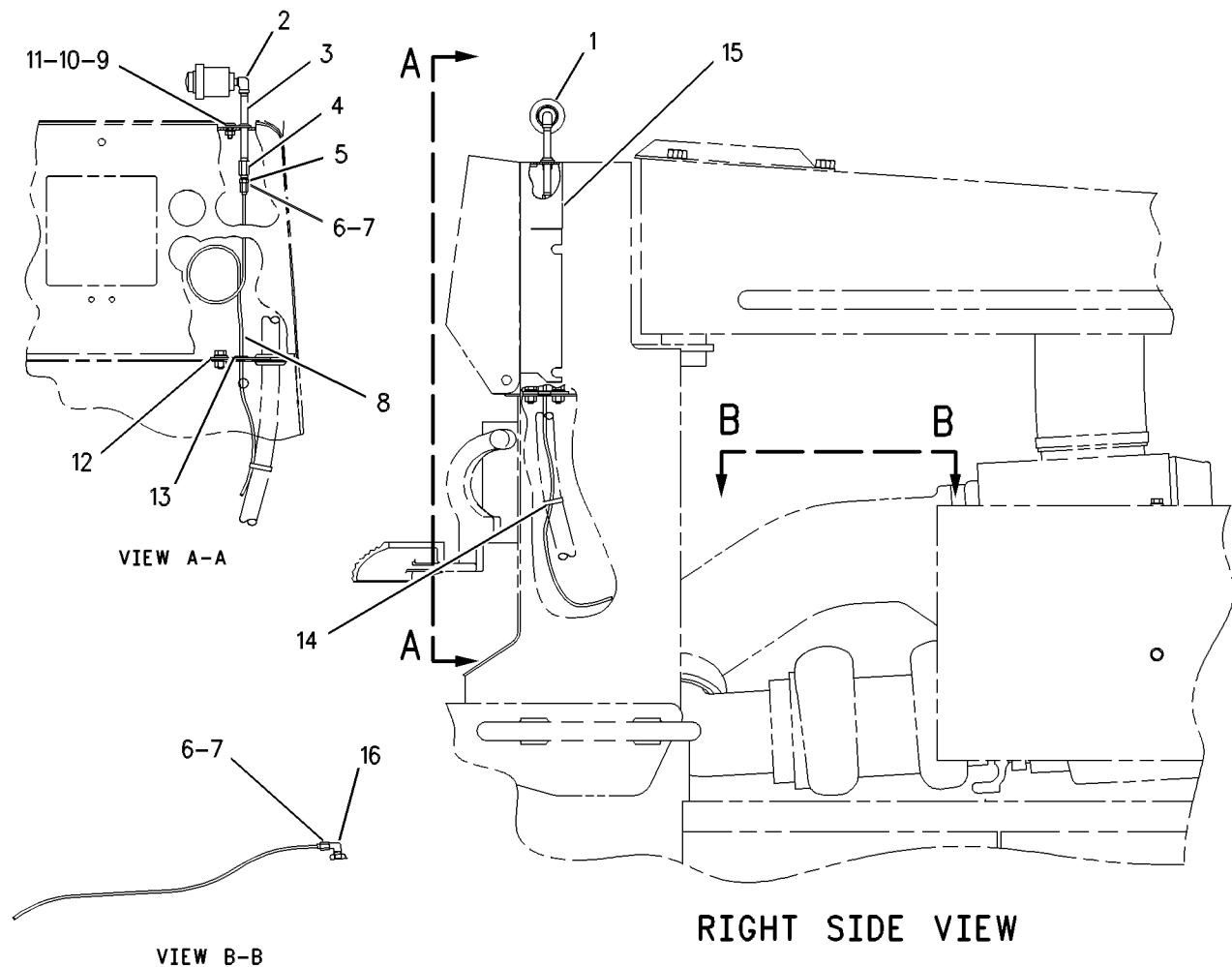
B-USE AS REQUIRED

D-ORDER BY THE METER

# AIR INLET AND EXHAUST SYSTEM

102-4360 INDICATOR AR-AIR CLEANER (*contd.*)

i01248491



GRAPHIC #1

g00505612

# AIR INLET AND EXHAUST SYSTEM

## 103-3716 INDICATOR AR-AIR CLEANER

S/N: 9EM1-UP

AIR CLEANER (DASH MOUNTED)

PART OF 123-6614, 123-9039 PRECLEANER AR  
AN ATTACHMENT

SMCS-7452

i01327871

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
	1	1	1Q-2333	1	PANEL AS							
	2	1	4V-6981	3	SCREW-BUTTON HEAD (1/4-20X.75IN)							
	3	1	6V-8185	3	NUT (1/4-20 THD)							
	4	1	8C-3108	1	PLUG							
	5	1	5P-7907	1	CONNECTOR							
	6	1	5P-6313	2	NUT-FLARELESS (5/16-24 THD)							
	7	1	5P-6314	2	SLEEVE-FLARELESS							
BD	8	1	5P-5630		TUBE (19DM)							
	9	1	4V-6981	1	SCREW-BUTTON HEAD (1/4-20X.75IN)							
	10	1	8T-4205	1	WASHER-HARD (2MM THK)							
	11	1	6V-8185	1	NUT (1/4-20 THD)							
	12	1	5P-6315	1	ELBOW-FLARELESS (90 DEG)							
	13	1	2V-1937	1	GROMMET							
B	14	1	7K-1181	5	STRAP-CABLE (4IN DIA)							
	15	1	8N-2694	1	INDICATOR-AIR FILTER SERVICE							
	16	1	103-3711	1	RETAINER							
	17	1	3B-6552	1	ELBOW (90 DEGREES)							
	18	1	103-4916	1	PIPE AS							
	19	1	3B-6487	1	COUPLING							

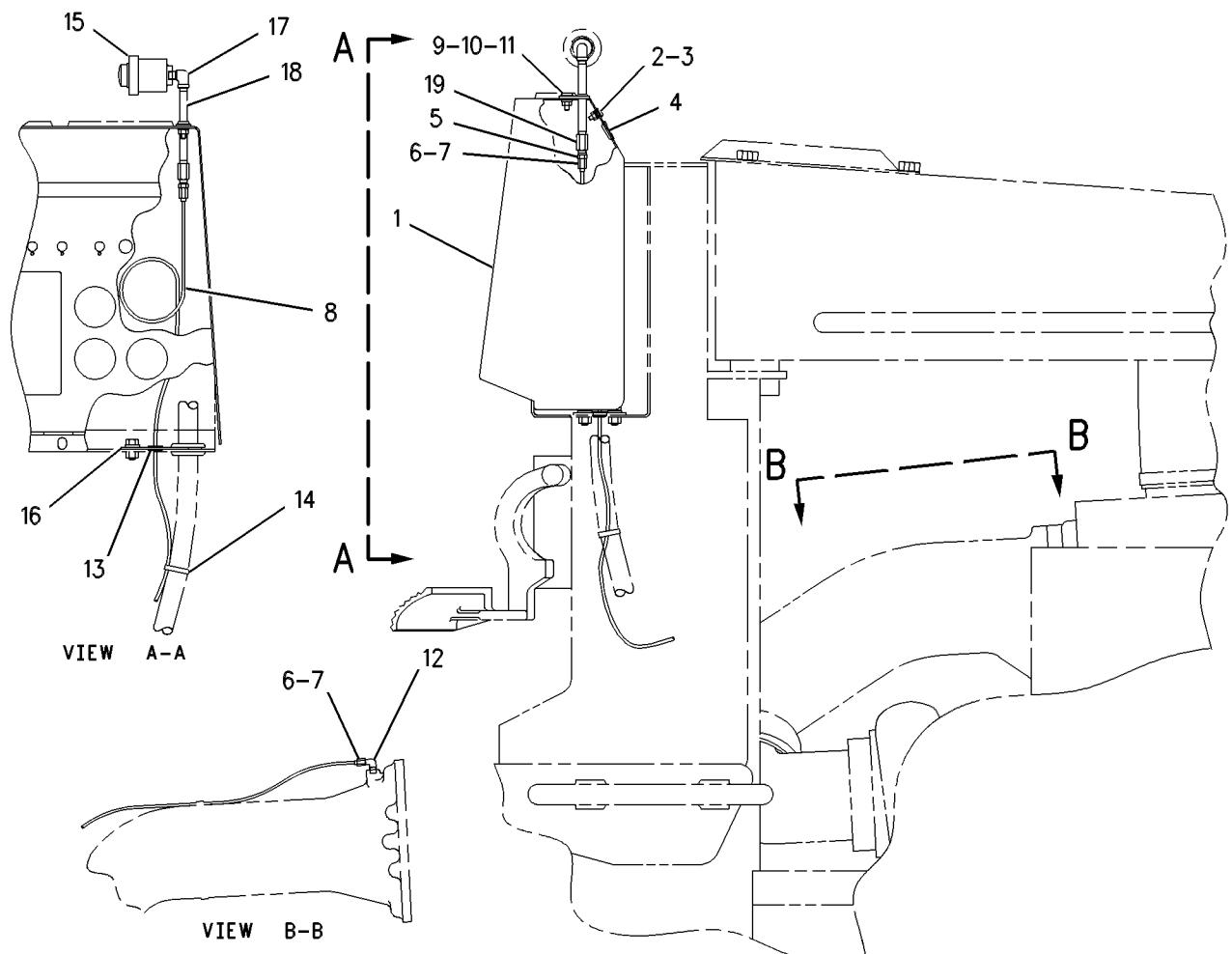
B-USE AS REQUIRED

D-ORDER BY THE METER

# AIR INLET AND EXHAUST SYSTEM

103-3716 INDICATOR AR-AIR CLEANER (*contd.*)

i01327871



GRAPHIC #1

g00512148

# AIR INLET AND EXHAUST SYSTEM

## 173-2103 KIT-AIR CLEANER

S/N: 9EM1-UP

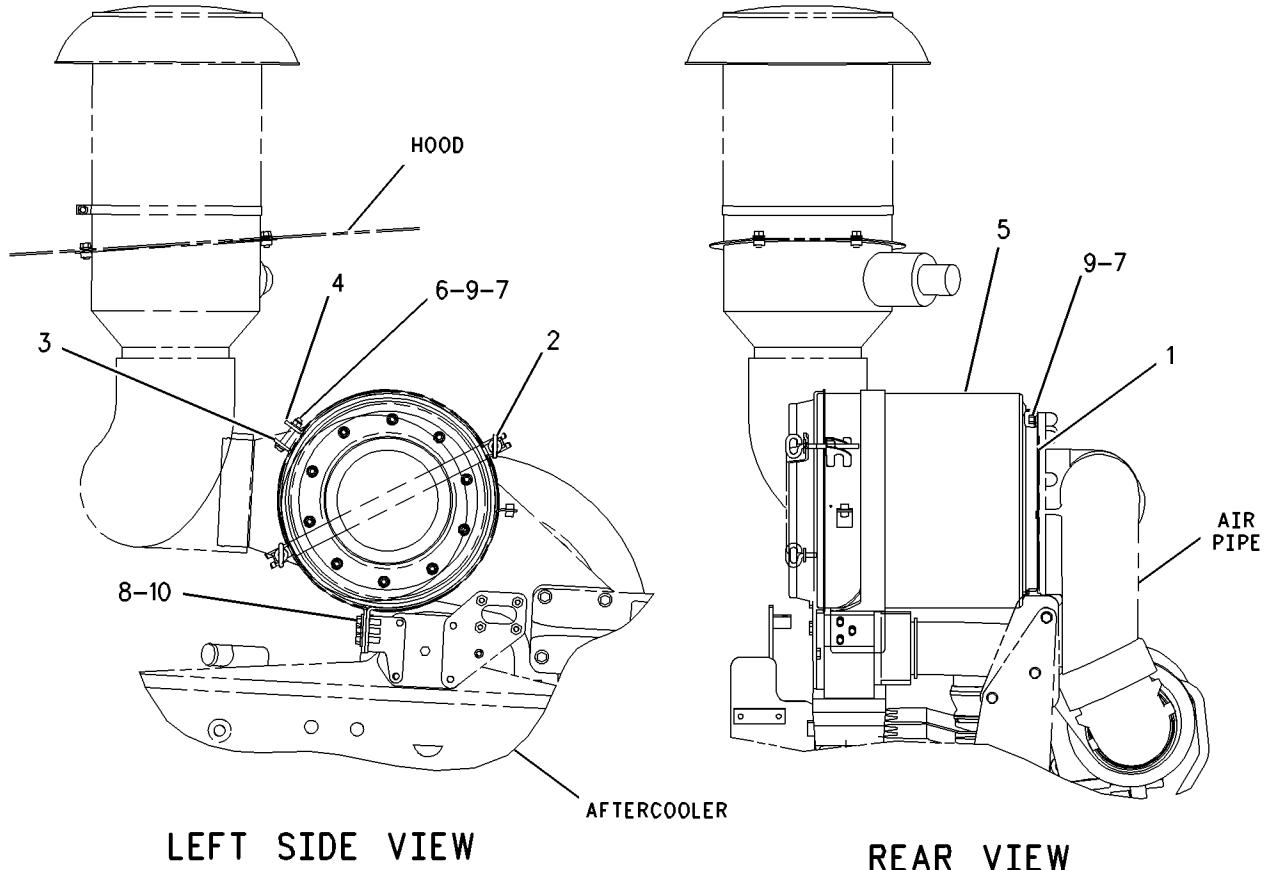
PROVIDES FIELD REWORK KIT TO ADDRESS CANISTER CRACKING DUE TO LOAD TRANSMITTED  
FROM RETAINER BRACKET  
FOR USE WITH 122-2210-PAGE 180  
FIELD INSTALLATION

SMCS-1051

i01260305

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
1	1		1P-9390	1	GASKET-OUTLET							
2	1		3S-4115	2	BOLT AS							
3	1		173-0615	1	CLAMP-BAND							
4	1		173-0616	1	CLAMP-BAND							
Z	5	1		1	BODY AS							
6	1		124-9022	1	SCREW-BUTTON HEAD (3/8-16X2.25IN)							
7	1		2K-4973	11	LOCKNUT (3/8-16 THD)							
8	1		5P-1075	3	WASHER-HARD (3MM THK)							
9	1		8T-4896	12	WASHER-HARD (10.2X18.5X2.5MM THK)							
10	1		9B-7237	3	BOLT (3/8-16X1.25 IN)							

Z-NOT SERVICED SEPARATELY



GRAPHIC #1

g00671314

# AIR INLET AND EXHAUST SYSTEM

## 153-1278 KIT-SCREEN

S/N: 9EM1-UP

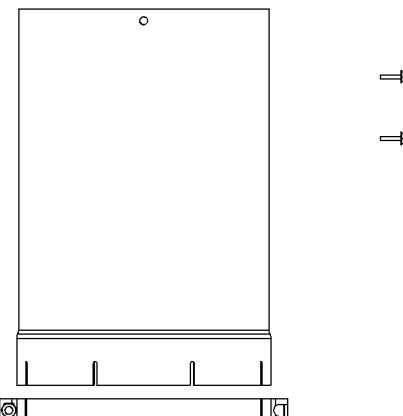
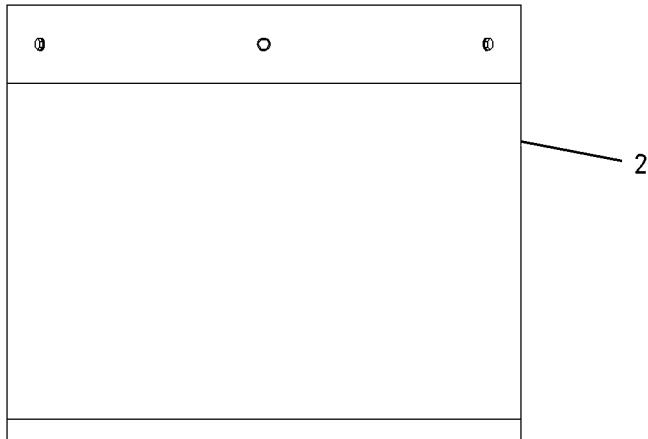
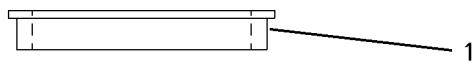
FOR TURBINE PRECLEANER  
FIELD INSTALLATION

SMCS-1055

i01515795

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
					1	2	3	4	5	6	
Z	1	1	107-7495	1	DAMPER						
	Z	2	1	1	PRESCREEN AS						

Z-NOT SERVICED SEPARATELY



GRAPHIC #1

g00685352

# AIR INLET AND EXHAUST SYSTEM

## 102-0708 LINES GP-AIR

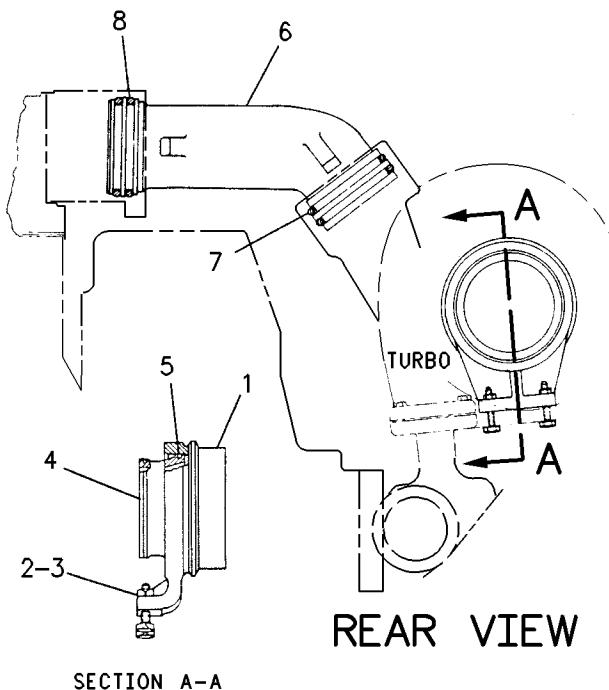
S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1058

i00569743

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		7W-8634	1	SUPPORT-EXHAUST PIPE						
2	1		2N-2765	2	BOLT-HIGH TEMPERATURE						
3	1		2N-2766	2	LOCKNUT (3/8-16 NPTF THD)						
4	1		9L-5839	1	COUPLING-EXHAUST						
5	1		5L-8854	2	RING-SEALING						
6	1		1W-3092	1	ELBOW-OUTLET						
7	1		4L-8337	2	SEAL-O-RING (81MM ID)						
8	1		5S-1188	2	SEAL-O-RING						



GRAPHIC #1

g00232581

# AIR INLET AND EXHAUST SYSTEM

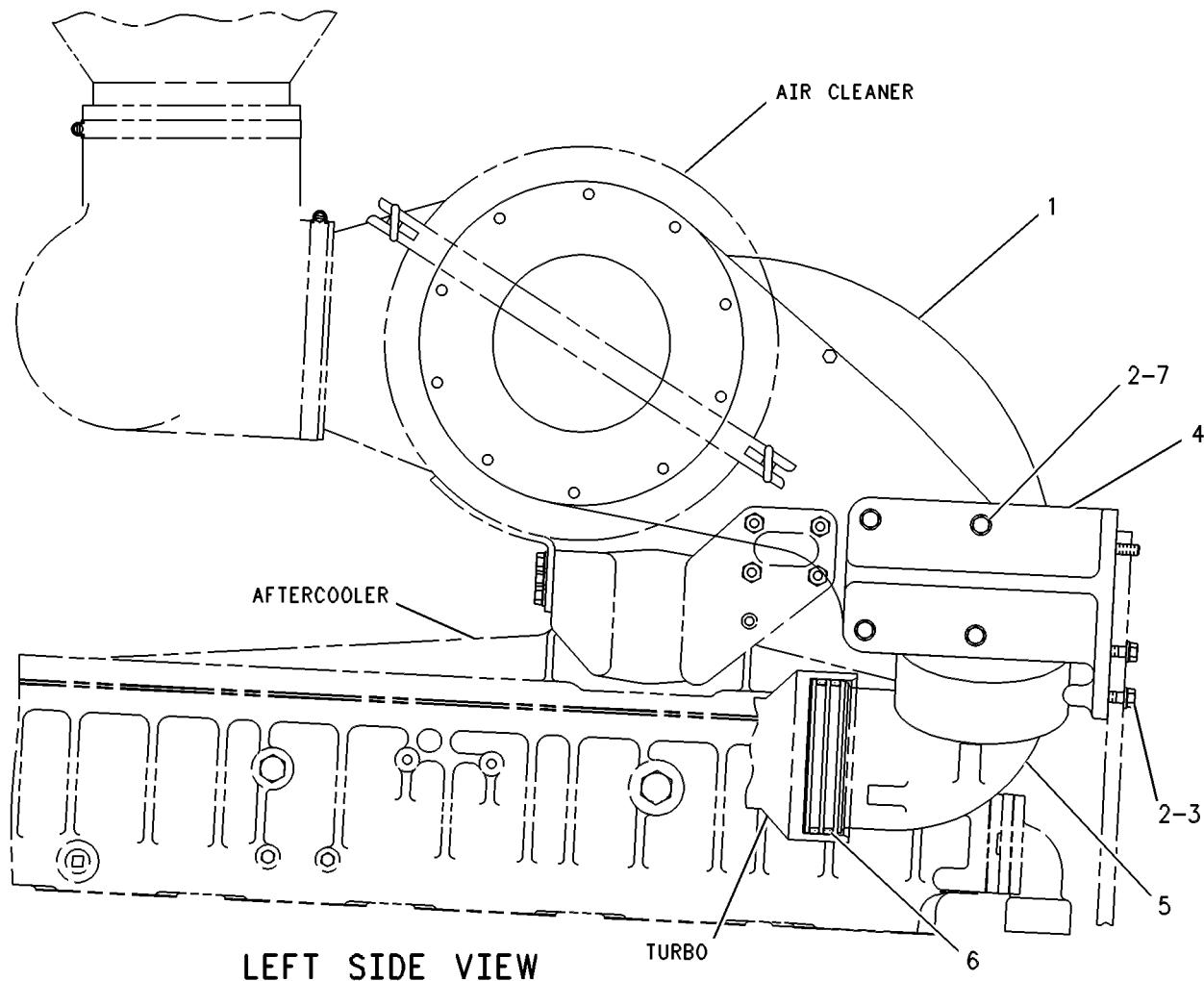
**122-0564 LINES GP-AIR**

S/N: 9EM1-UP

SMCS-1058

i00569718

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1	1	122-0565	1	PIPE AS						
	1	1	2M-1538	10	STUD-TAPERLOCK						
	1	1	7M-1674	1	ELEMENT-FILTER						
	1	1	8T-6764	1	PLUG-PIPE (1/8-27 NPTF THD)						
2	1	1	4L-9337	7	BOLT (3/8-16X1.50IN)						
3	1	1	8T-4896	3	WASHER-HARD (2.5MM THK)						
4	1	1	121-4862	1	SUPPORT						
5	1	1	7N-6908	1	ELBOW						
6	1	1	2M-5173	4	SEAL-O-RING						
7	1	1	5P-1075	4	WASHER-HARD (3MM THK)						



GRAPHIC #1

g00256790

# AIR INLET AND EXHAUST SYSTEM

## 7C-0067 MANIFOLD GP - EXHAUST

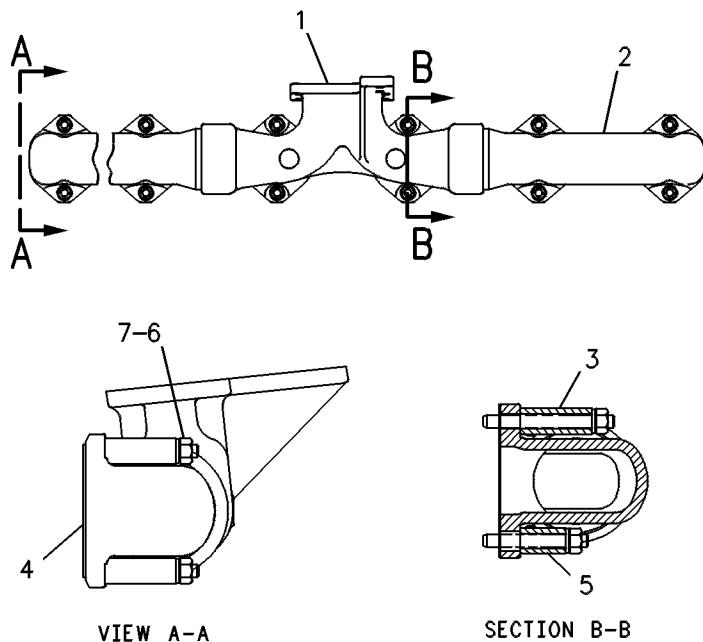
S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1059

i00144915

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		104-5283	1	MANIFOLD - EXHAUST						
2	1		101-7352	2	MANIFOLD - EXHAUST						
3	1		108-3612	11	SPACER (53MM THK)						
4	1		129-9452	6	GASKET - EXHAUST MANIFOLD						
5	1		2S-3770	1	SPACER (33.5MM THK)						
6	1		2N-2766	12	LOCKNUT (3/8-16 NPTF THD)						
7	1		5M-2894	12	WASHER (2.5MM THK)						



GRAPHIC #1

g00108760

# AIR INLET AND EXHAUST SYSTEM

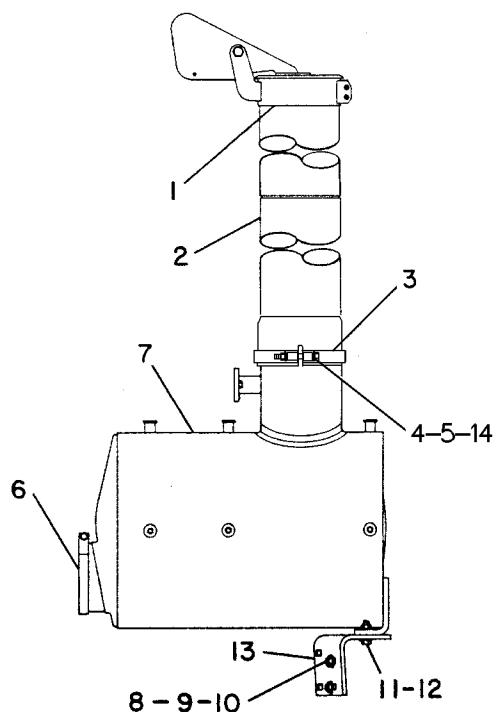
## 2W-0584 MUFFLER GP

S/N: 9EM1-1313

SMCS-1062

i01024576

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		7S-4411	1	CAP AS-RAIN						
2	1		7C-2991	1	EJECTOR AS						
3	1		7N-5686	1	CLAMP						
4	1		OS-1608	1	BOLT (3/8-16X3.75IN)						
5	1		1B-5355	1	NUT-FULL (3/8-16THD)						
6	1		1W-3088	1	CLAMP						
7	1		164-9633	1	MUFFLER AS						
8	1		OS-1585	4	BOLT (1/2-13X1.50IN)						
9	1		1D-4719	2	NUT-FULL (1/2-13 THD)						
10	1		5P-8245	6	WASHER (3MM THK)						
11	1		1A-2029	2	BOLT (3/8-16X1.125IN)						
12	1		9L-9132	2	WASHER (2.5MM THK)						
13	1		7W-4123	1	SUPPORT AS						
14	1		5M-2894	2	WASHER (2.5MM THK)						



GRAPHIC #1

g00202395

# AIR INLET AND EXHAUST SYSTEM

## 7W-6425 MUFFLER GP

S/N: 9EM1-UP

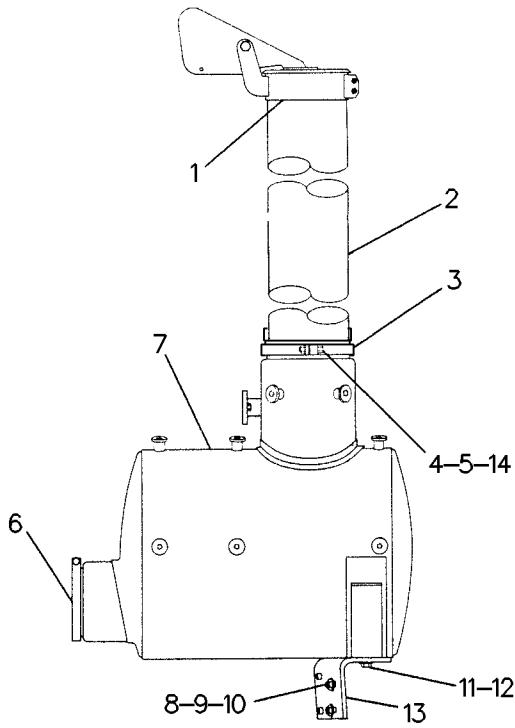
PART OF 126-1652 SHIELD AR-THERMO, 141-8019 SUPPRESSION AR-SOUND  
AN ATTACHMENT

SMCS-1062

i01223926

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		7S-4411	1	CAP AS-RAIN	
2	1		7C-1175	1	EJECTOR AS	
3	1		7N-5686	1	CLAMP	
4	1		0S-1608	1	BOLT (3/8-16X3.75IN)	
5	1		1B-5355	1	NUT-FULL (3/8-16THD)	
6	1		1W-3088	1	CLAMP	
7	1		164-9634	1	MUFFLER AS	
8	1		0S-1585	4	BOLT (1/2-13X1.50IN)	
9	1		1D-4719	2	NUT-FULL (1/2-13 THD)	
10	1		5P-8245	6	WASHER-HARD (3MM THK)	
11	1		1A-2029	2	BOLT (3/8-16X1.125IN)	
12	1		9L-9132	2	WASHER (2.5MM THK)	
C	13	1	7W-4123	1	SUPPORT AS	
	1		7T-1099	1	LINK	
	14	1	5M-2894	2	WASHER (2.5MM THK)	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

g00211377

# AIR INLET AND EXHAUST SYSTEM

**202-1345 MUFFLER GP**

S/N: 9EM1-UP

THERMO

PART OF 141-8019 SUPPRESSION AR-SOUND  
AN ATTACHMENT

SMCS-1062

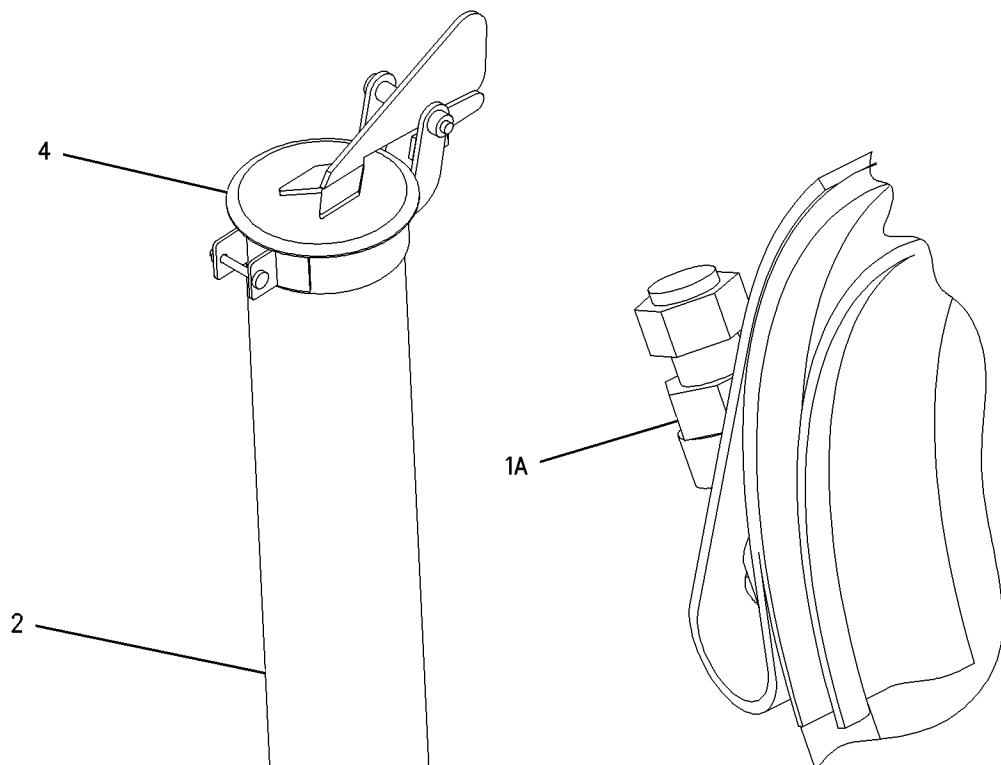
i01480851

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		<b>1W-3088</b>	1	CLAMP						
1A	1		<b>8T-0122</b>	1	NUT-FULL (HIGH TEMPERATURE)						
2	1		<b>7C-1175</b>	1	EJECTOR AS						
3	1		<b>7N-5686</b>	1	CLAMP						
4	1		<b>7S-4411</b>	1	CAP AS-RAIN						
5	1		<b>200-3200</b>	1	MUFFLER AS						
6	1		<b>0S-1608</b>	1	BOLT (3/8-16X3.75 IN)						
7	1		<b>1A-2029</b>	2	BOLT (3/8-16X1.125 IN)						
8	1		<b>1B-5355</b>	1	NUT-FULL (3/8-16THD)						
9	1		<b>5M-2894</b>	2	WASHER-HARD (10.2X18.5X2.5MM THK)						
10	1		<b>9L-9132</b>	2	WASHER (10.2X25.5X2.5MM THK)						

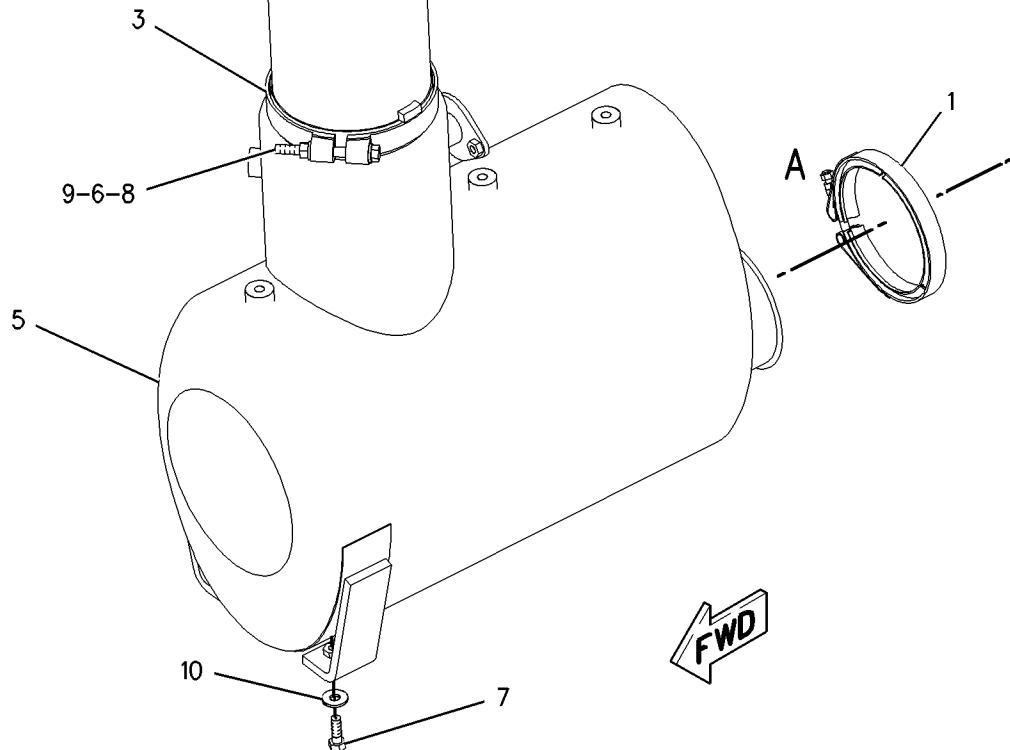
# AIR INLET AND EXHAUST SYSTEM

202-1345 MUFFLER GP (*contd.*)

i01480851



VIEW OF AREA A



GRAPHIC #1

g00769921

# AIR INLET AND EXHAUST SYSTEM

## 123-6614 PRECLEANER AR

S/N: 9EM1-UP

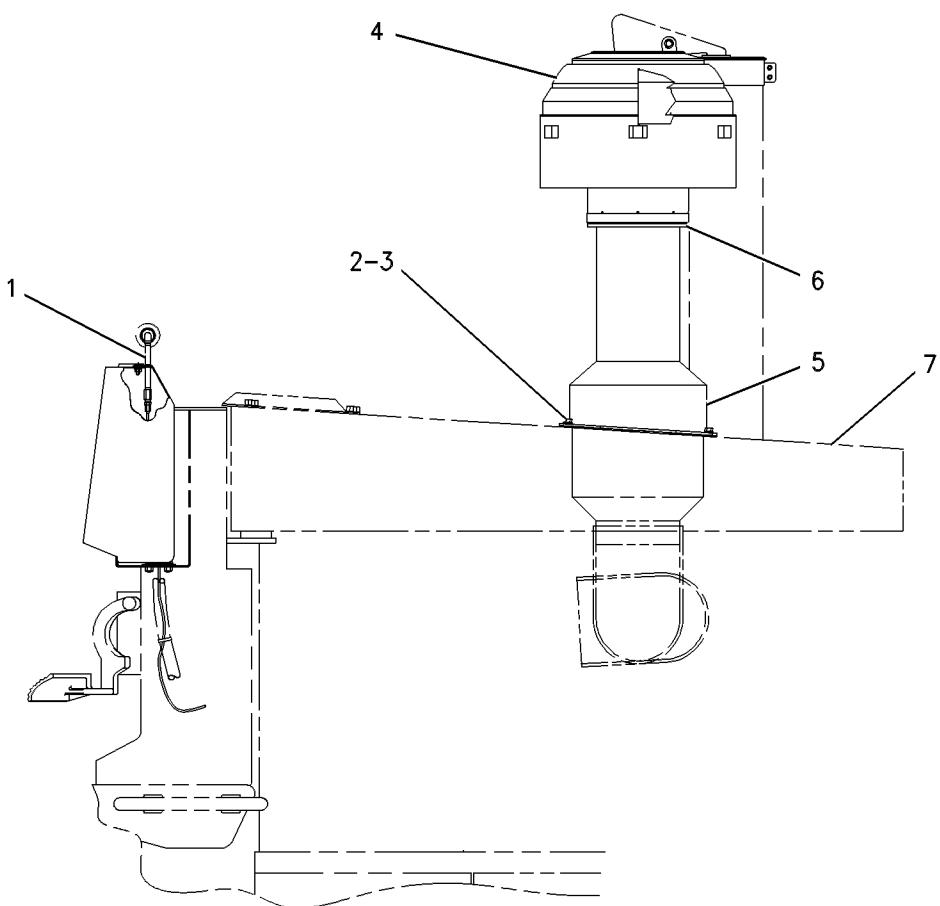
TURBINE (NO SCREEN) EROPS  
CANNOT BE USED WITH DISPOSAL AR  
AN ATTACHMENT

SMCS-1055

i01239311

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE					
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	103-3716	1	INDICATOR AR-AIR CLEANER						194
	2	1	4L-6454	4	BOLT (3/8-16X1 IN)						
	3	1	8T-4896	4	WASHER-HARD (2.5MM THK)						
	4	1	143-1224	1	PRECLEANER AS						
	5	1	123-6617	1	PIPE AS						
	6	1	107-7495	1	DAMPER						
	7	1	145-5985	1	HOOD AS						

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

g00526736

# AIR INLET AND EXHAUST SYSTEM

## 123-6615 PRECLEANER AR

S/N: 9EM1-UP

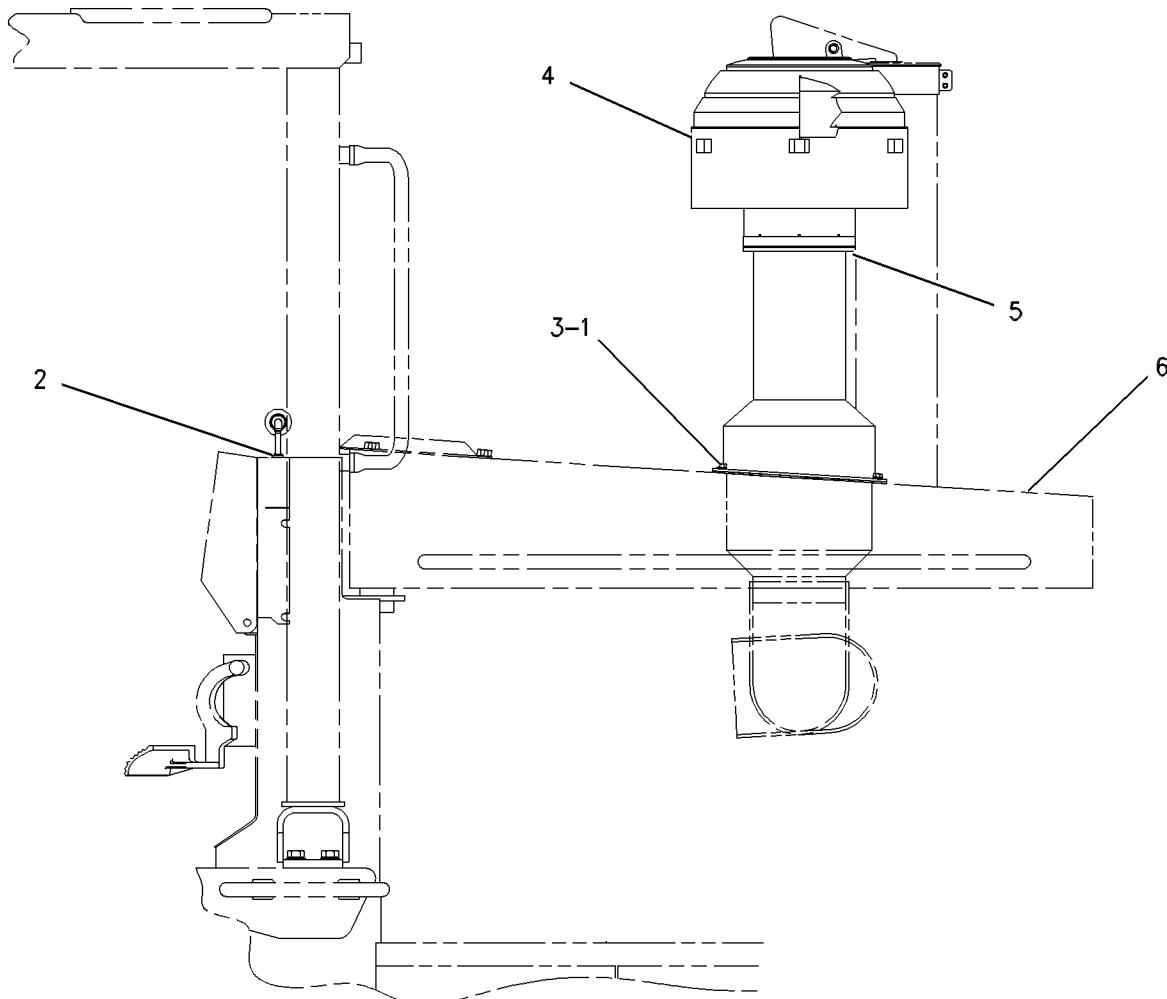
TURBINE (NO SCREEN) OPEN ROPS  
CANNOT BE USED WITH CAB ARRANGEMENT  
AN ATTACHMENT

SMCS-1055

i01248490

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
					1	2	3	4	5	6	
	1	1	8T-4896	4	WASHER-HARD (2.5MM THK)						
Y	2	1	102-4360	1	INDICATOR AR-AIR CLEANER						192
	3	1	4L-6454	4	BOLT (3/8-16X1 IN)						
	4	1	143-1224	1	PRECLEANER AS						
	5	1	107-7495	1	DAMPER						
	6	1	145-5985	1	HOOD AS						

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00505603

# AIR INLET AND EXHAUST SYSTEM

## 123-9039 PRECLEANER AR

S/N: 9EM1-UP

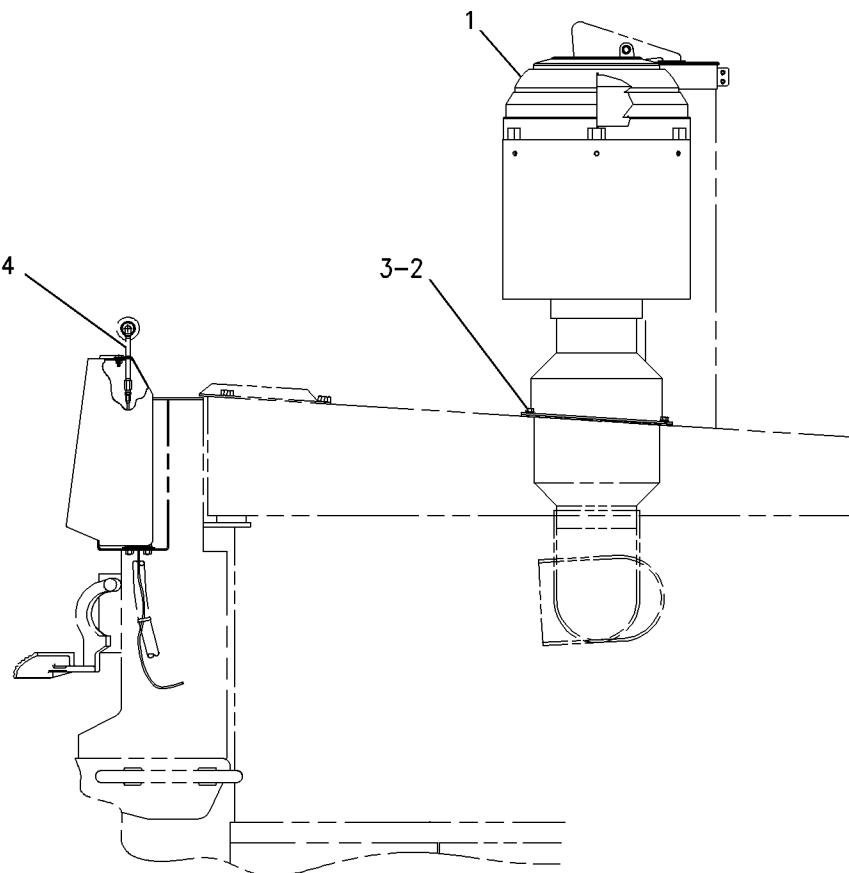
TURBINE (WITH SCREEN)  
AN ATTACHMENT

SMCS-1055

i01238651

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		143-1225	1	PRECLEANER AS	
	1		139-1507	1	PRESCREEN AS	
	1		107-7495	2	DAMPER	
	1		130-3281	1	PRECLEANER GP	
	1		174-4895	2	CLAMP	
2	1		4L-6454	4	BOLT (3/8-16X1 IN)	
3	1		8T-4896	4	WASHER-HARD (2.5MM THK)	
Y	4	1	103-3716	1	INDICATOR AR-AIR CLEANER	194

Y - SEPARATE ILLUSTRATION



RIGHT SIDE VIEW

GRAPHIC #1

g00666159

# AIR INLET AND EXHAUST SYSTEM

## 130-3281 PRECLEANER GP

S/N: 9EM1-UP

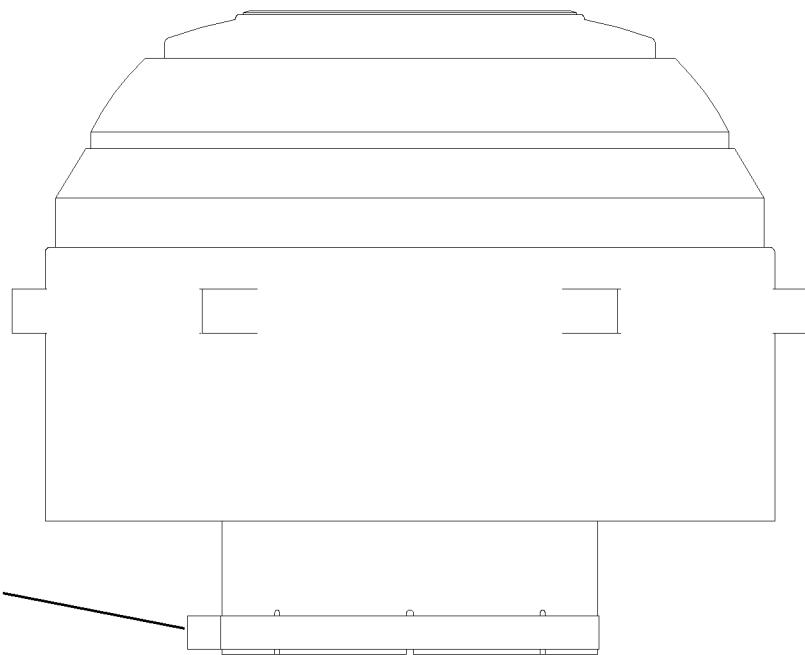
AIR-TURBINE

FIELD INSTALLATION

SMCS-1055

i01472843

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
					1	2	3	4	5	6	
1	1		174-4895	2	CLAMP						



GRAPHIC #1

g00658715

# AIR INLET AND EXHAUST SYSTEM

## 121-0325 SHIELD AR-THERMO

S/N: 9EM1-UP

AN ATTACHMENT

SMCS-1067, 1073

i01223904

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	111-0593	1	ENGINE AR						16
Y	126-1652	1	SHIELD AR-THERMO						212

Y-SEPARATE ILLUSTRATION

# AIR INLET AND EXHAUST SYSTEM

**124-8394 SHIELD AR-THERMO**

S/N: 9EM1-UP

AN ATTACHMENT

SMCS-1067, 1073

i01228617

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	111-0594	1	ENGINE AR						18
Y	126-1652	1	SHIELD AR-THERMO						212

Y - SEPARATE ILLUSTRATION

# AIR INLET AND EXHAUST SYSTEM

## 126-1652 SHIELD AR-THERMO

S/N: 9EM1-UP

PART OF 121-0325, 124-8394 SHIELD AR-THERMO  
AN ATTACHMENT

SMCS-1067, 1073

i01364368

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	7W-6425	1	MUFFLER GP						202
	192-2095	1	SHIELD						
Y	191-3675	1	SHIELD GP-MANIFOLD						214

Y-SEPARATE ILLUSTRATION

# AIR INLET AND EXHAUST SYSTEM

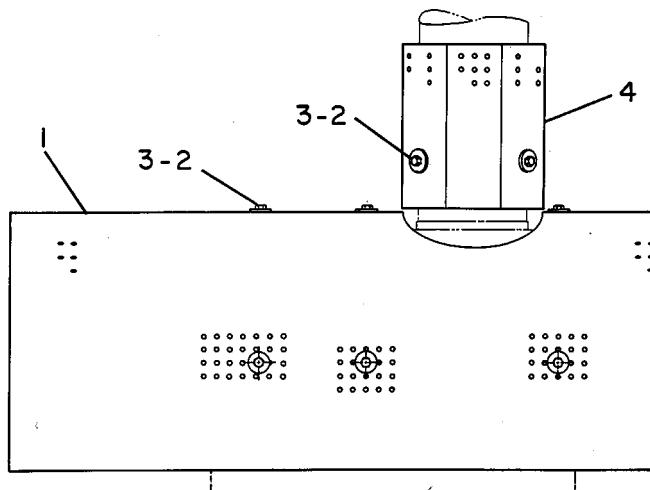
## 7E-8735 SHIELD GP - EXHAUST

S/N: 9EM1-1313

SMCS-1067

i00570824

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		7E-8734	1	SHIELD						
2	1		OT-0102	8	BOLT (3/8-16X0.625IN)						
3	1		6N-8863	8	WASHER (2.5MM THK)						
4	1		7C-1187	1	SHIELD						



GRAPHIC #1

g00177910

# AIR INLET AND EXHAUST SYSTEM

## 191-3675 SHIELD GP-MANIFOLD

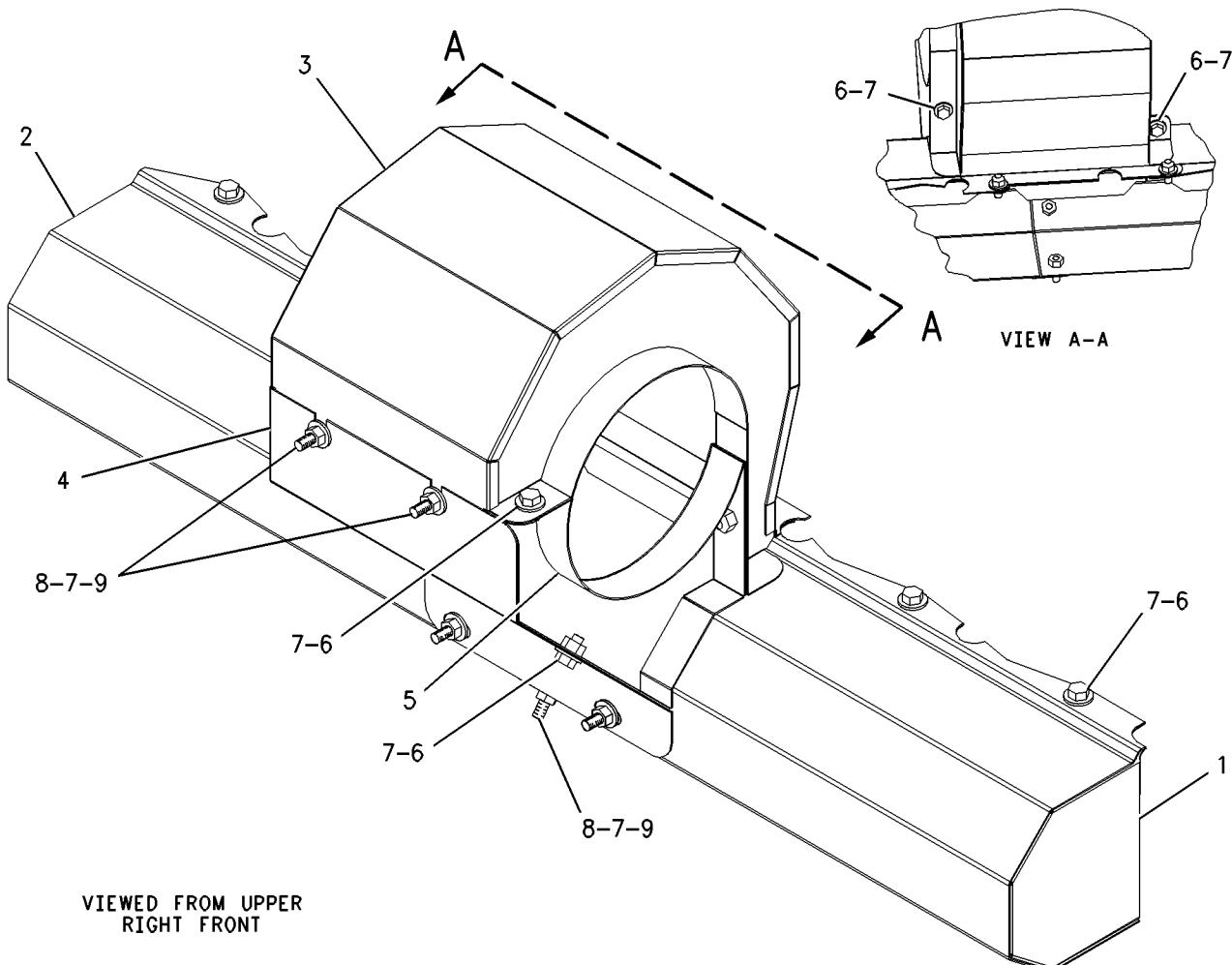
S/N: 9EM1-UP

PART OF 126-1652 SHIELD AR-THERMO  
AN ATTACHMENT

SMCS-1067

i01364095

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		7W-7986	1	SHIELD AS-MANIFOLD						
			1	6V-5044	1	NUT-WELD (5/16-18 THD)					
2	1		7W-7987	1	SHIELD AS-MANIFOLD						
			1	6V-5044	3	NUT-WELD (5/16-18 THD)					
3	1		191-1132	1	SHIELD AS-TURBOCHARGER						
			1	6V-5044	2	NUT-WELD (5/16-18 THD)					
4	1		191-1133	1	SHIELD AS-TURBOCHARGER						
			1	6V-5044	1	NUT-WELD (5/16-18 THD)					
5	1		191-1134	1	SHIELD AS-TURBOCHARGER						
			1	6V-5044	3	NUT-WELD (5/16-18 THD)					
6	1		5K-0906	8	BOLT (5/16-18X0.63 IN)						
7	1		5P-4116	16	WASHER (2MM THK)						
8	1		6V-2712	8	STUD						
9	1		6V-8189	8	NUT (5/16-18 THD)						



GRAPHIC #1

g00720089

# AIR INLET AND EXHAUST SYSTEM

## 107-2060 TURBOCHARGER GP\*R

S/N: 41Z1-UP

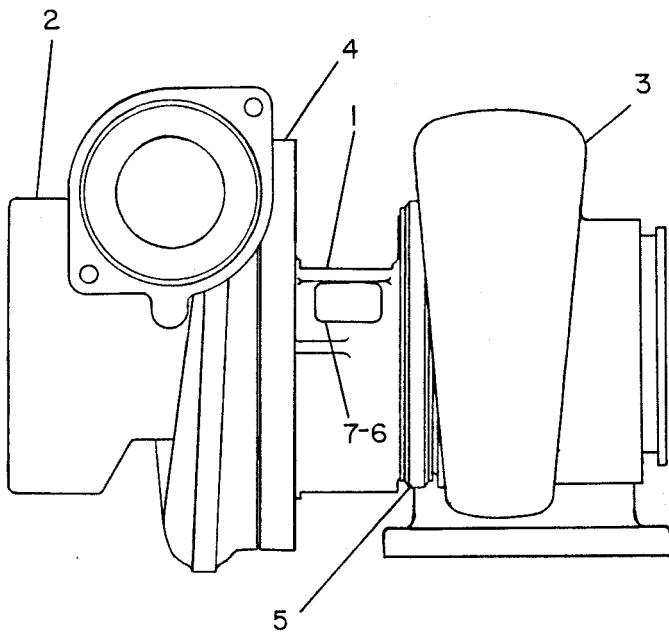
PART OF 109-1680 TURBOCHARGER GP  
ALSO AN ATTACHMENT

SMCS-1052, 1053, 1056, 1060, 1065, 1066, 1077

i00569846

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6		
Y	1	1	109-2196	1	CARTRIDGE GP-TURBOCHARGER							186
	2	1	4P-7501	1	HOUSING-COMPRESSOR							
	3	1	109-2198	1	HOUSING-TURBINE							
	4	1	7W-7778	1	CLAMP AS (COMPRESSOR)							
		1	7M-9918	1	LOCKNUT							
	5	1	5S-4517	1	CLAMP AS (HOUSING)							
		1	7M-9918	1	LOCKNUT							
	6	1	8H-3710	2	SCREW-TAPPING							
	7	1	1W-4795	1	PLATE-IDENTIFICATION							

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00081884

# AIR INLET AND EXHAUST SYSTEM

## 107-2061 TURBOCHARGER GP\*R

S/N: 41Z1-17171

PART OF 109-2199 TURBOCHARGER GP  
AN ATTACHMENT

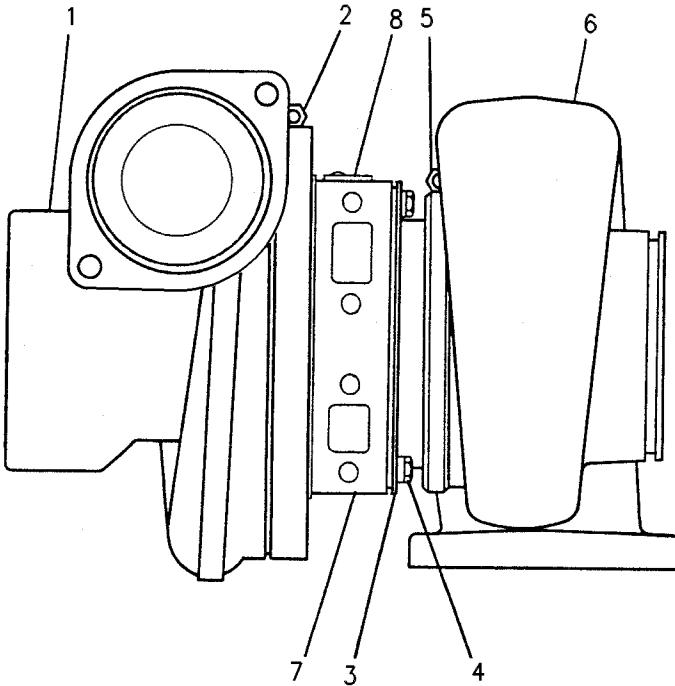
SMCS-1052, 1053, 1056, 1060, 1065, 1066, 1077

i01224000

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		4P-7501	1	HOUSING-COMPRESSOR						
2	1		7W-7778	1	CLAMP AS (COMPRESSOR)						
	1		7M-9918	1	LOCKNUT						
3	1		7N-7672	2	PLATE (0.351CM THK)						
	1		7N-7673	2	PLATE (0.249CM THK)						
4	1		2A-0762	4	BOLT (1/4-20X.625IN)						
	1		5P-0537	4	WASHER (2MM THK)						
5	1		5S-4517	1	CLAMP AS (TURBINE) (TURBINE)						
	1		7M-9918	1	LOCKNUT						
6	1		109-2198	1	HOUSING-TURBINE						
YR	7	1	109-2197	1	CARTRIDGE GP-TURBOCHARGER						188
	8	1	1W-4795	1	PLATE-IDENTIFICATION						
	1		8H-3710	1	SCREW-TAPPING						

R - REMFG PART MAY BE AVAILABLE

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

g00249715

# AIR INLET AND EXHAUST SYSTEM

## 109 - 1680 TURBOCHARGER GP

S/N: 41Z1-17174

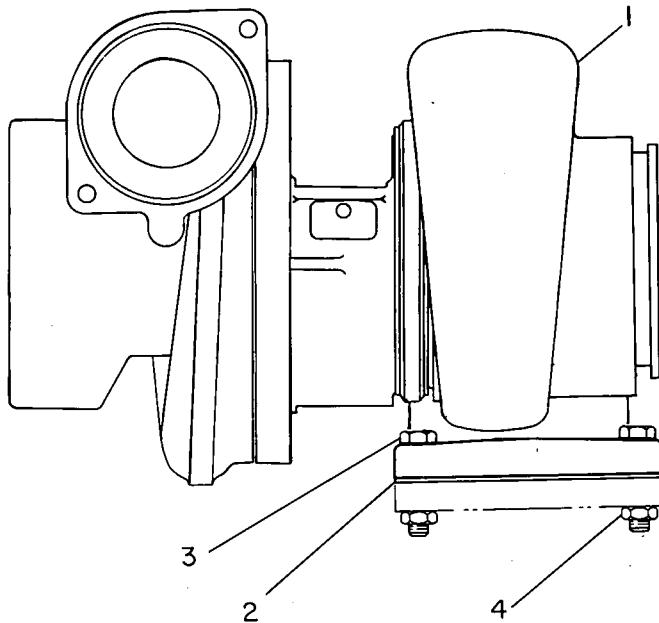
PART OF 105-9697, 111-0592 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1052, 1053, 1056, 1060, 1065, 1066, 1077

i00570503

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
YR	1	1	107-2060	1	TURBOCHARGER GP						215
	2	1	1S-4295	1	GASKET - TURBOCHARGER						
	3	1	2N-2765	4	BOLT-HIGH TEMPERATURE						
	4	1	2N-2766	4	LOCKNUT (3/8-16 NPTF THD)						

R-REMFG PART MAY BE AVAILABLE  
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00108290

# AIR INLET AND EXHAUST SYSTEM

## 109-2199 TURBOCHARGER GP

S/N: 41Z1-17171

PART OF 111-0593, 111-0594 ENGINE AR  
AN ATTACHMENT

SMCS-1052, 1053, 1056, 1060, 1065, 1066, 1077

i01223993

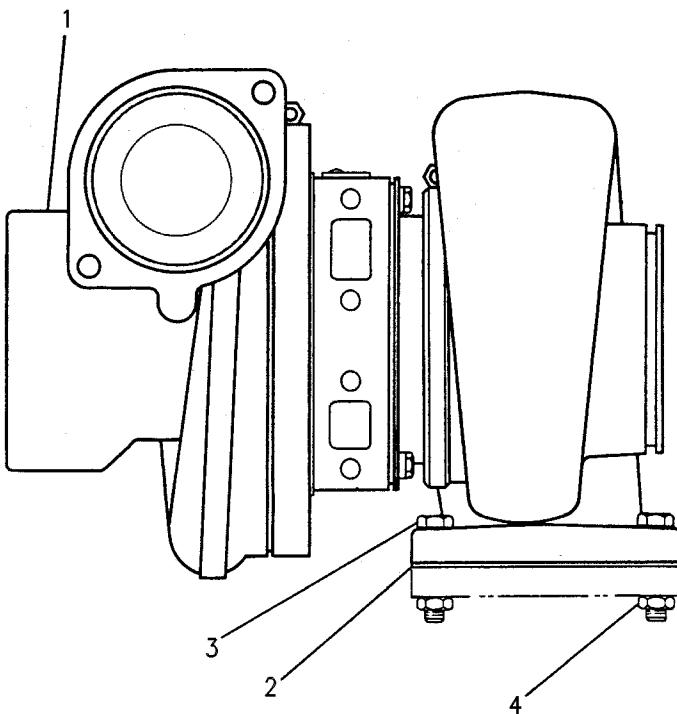
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
YR	1	1	107-2061	1	TURBOCHARGER GP						216
	2	1	1S-4295	1	GASKET -TURBOCHARGER						
	3	1	2N-2765	4	BOLT-HIGH TEMPERATURE (3/8-16X1.75IN)						
	4	1	2N-2766	4	LOCKNUT (3/8-16 THD)						
AB		1	5P-3931		COMPOUND-ANTI-SEIZE						

A-NOT PART OF THIS GROUP

B-USE AS REQUIRED

R-REMFG PART MAY BE AVAILABLE

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00249721

# AIR INLET AND EXHAUST SYSTEM

## 178-9572 TURBOCHARGER GP

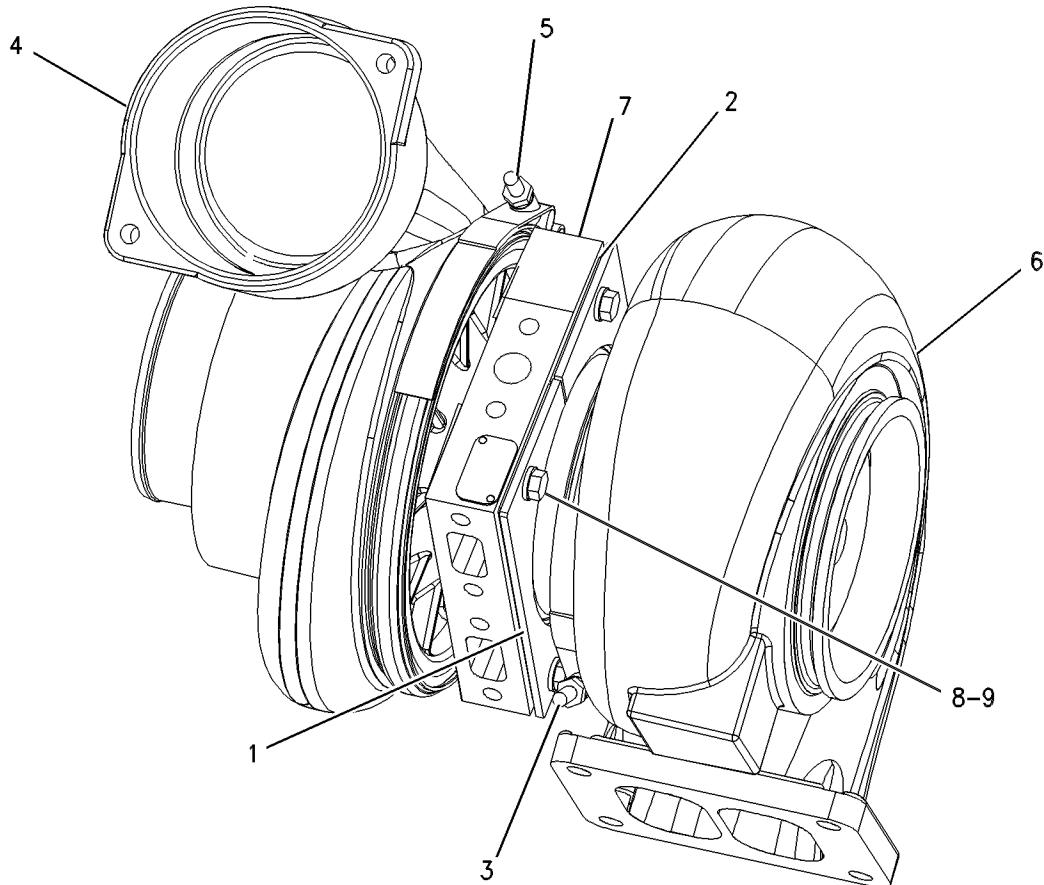
S/N: 41Z17172-UP

PART OF 188-5094 TURBOCHARGER GP  
AN ATTACHMENT

SMCS-1052, 1053, 1056, 1060, 1065, 1066, 1077

i01371212

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		7N-7672	2	PLATE						
2	1		7N-7673	2	PLATE						
3	1		9N-2038	1	CLAMP AS (TURBINE)						
4	1		178-9573	1	COVER-COMPRESSOR						
5	1		137-4550	1	CLAMP AS-COMPRESSOR						
6	1		148-9104	1	HOUSING-TURBINE						
7	1		167-9270	1	CARTRIDGE GP-TURBOCHARGER						
8	1		2A-0762	4	BOLT (1/4-20X.625IN)						
9	1		5P-0537	4	WASHER-HARD (7.2X14.5X2MM THK)						



GRAPHIC #1

g00661224

# AIR INLET AND EXHAUST SYSTEM

## 179-5922 TURBOCHARGER GP\*R

S/N: 41Z17175-UP

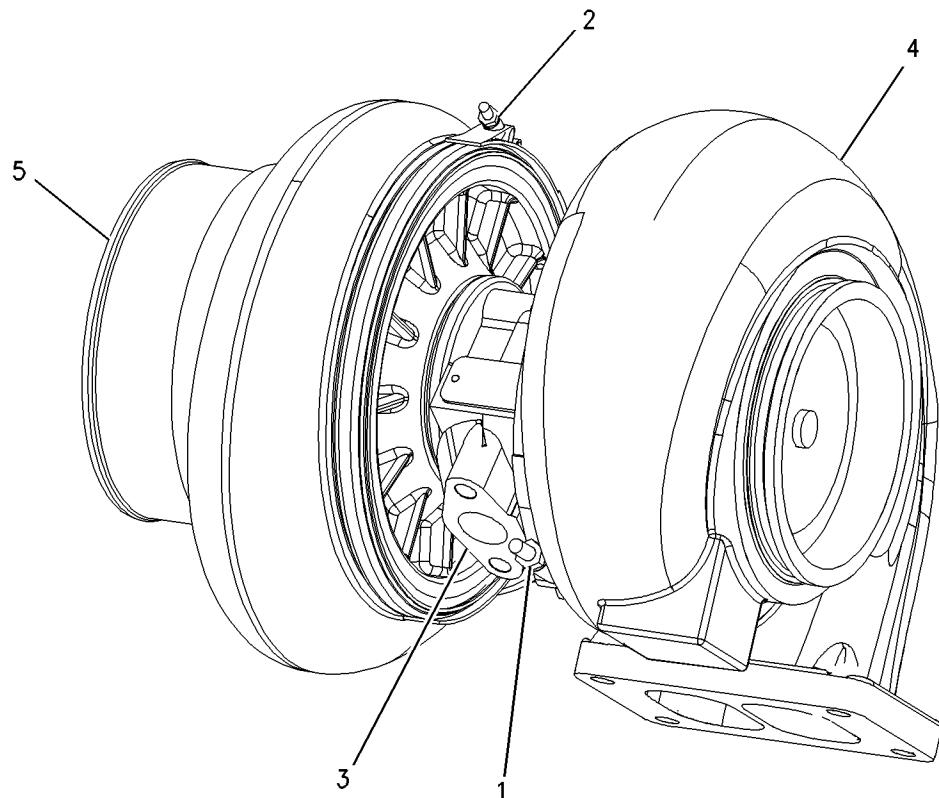
PART OF 187-3578 TURBOCHARGER GP

ALSO AN ATTACHMENT

SMCS-1052, 1053, 1056, 1060, 1065, 1066, 1077

i01684325

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		9N-2038	1	CLAMP AS (TURBINE)						
2	1		137-4550	1	CLAMP AS-COMPRESSOR						
3	1		202-4081	1	CARTRIDGE GP-TURBOCHARGER						
4	1		148-9104	1	HOUSING-TURBINE						
5	1		178-9573	1	COVER-COMPRESSOR						



GRAPHIC #1

g00704534

# AIR INLET AND EXHAUST SYSTEM

## 187-3578 TURBOCHARGER GP

S/N: 41Z17175-UP

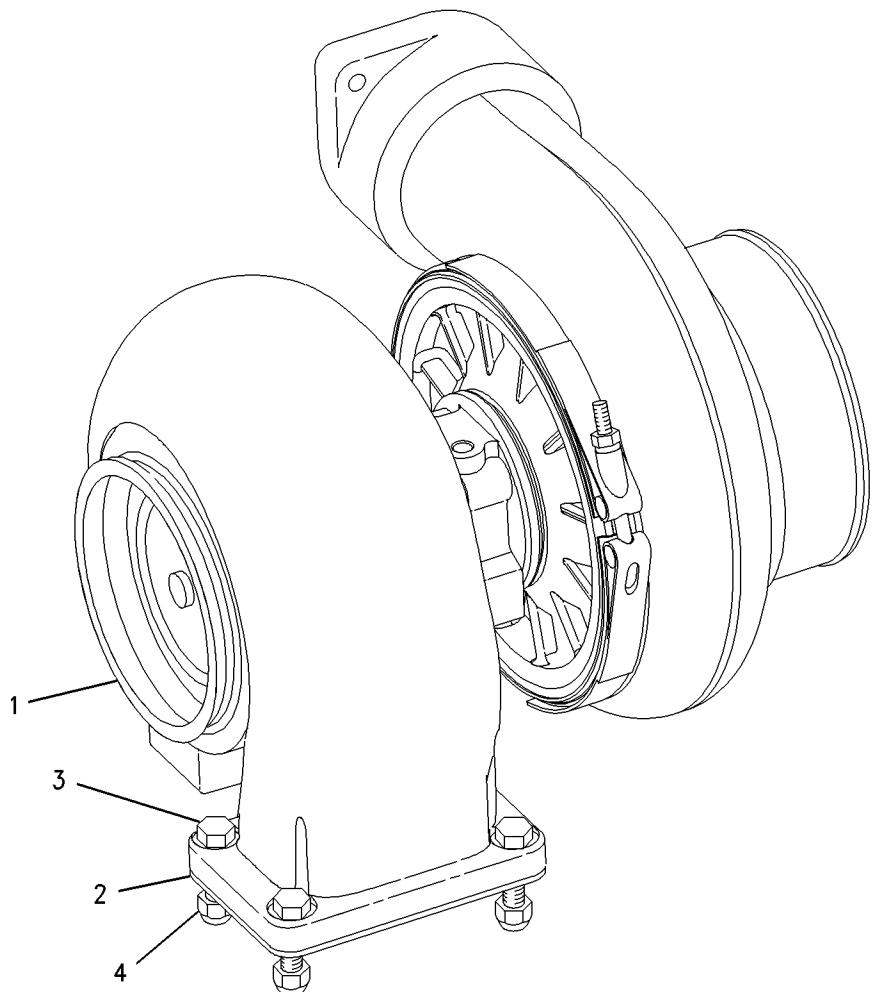
PART OF 105-9697, 111-0592 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1052, 1053, 1056, 1060, 1065, 1066, 1077

i01369321

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
Y	1	1	179-5922	1	TURBOCHARGER GP	220
	2	1	1S-4295	1	GASKET - TURBOCHARGER	
	3	1	2N-2765	4	BOLT-HIGH TEMPERATURE (3/8-16X1.75IN)	
	4	1	2N-2766	4	LOCKNUT (3/8-16 THD)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00725124

# AIR INLET AND EXHAUST SYSTEM

## 188-5094 TURBOCHARGER GP

S/N: 41Z17172-UP

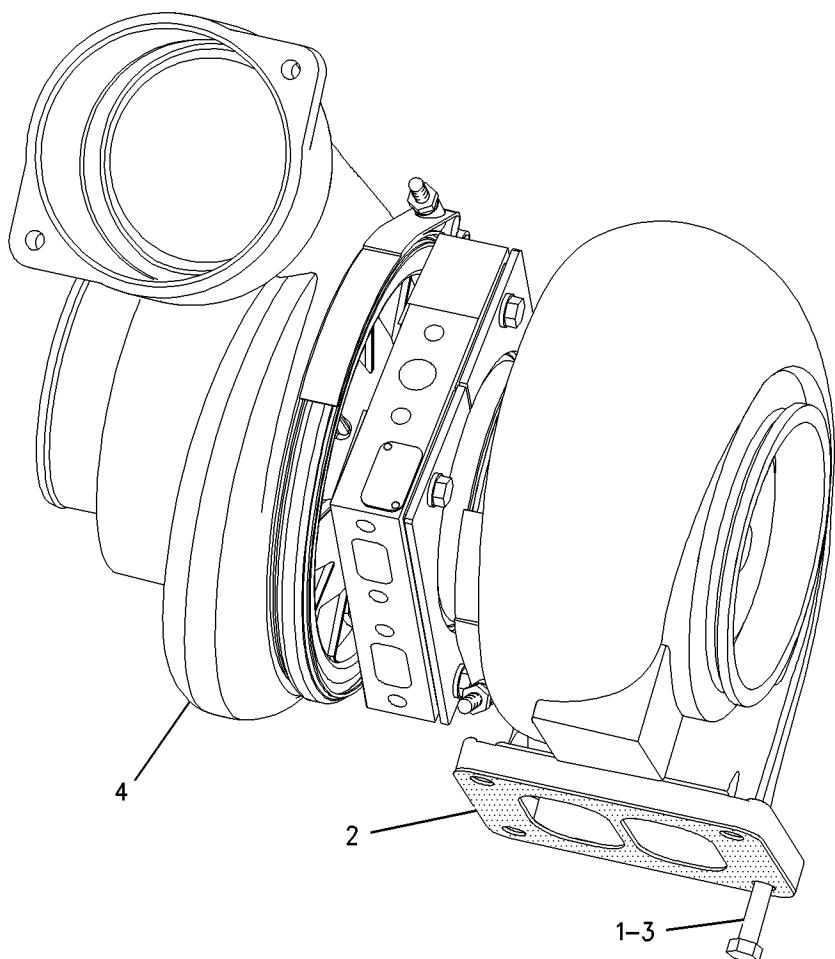
PART OF 111-0593, 111-0594 ENGINE AR  
AN ATTACHMENT

SMCS-1052, 1053, 1056, 1060, 1065, 1066, 1077

i01371204

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		2N-2765	4	BOLT-HIGH TEMPERATURE (3/8-16X1.75IN)						
2	1		1S-4295	1	GASKET-TURBOCHARGER						
3	1		2N-2766	4	LOCKNUT (3/8-16 THD)						
Y	4	1	178-9572	1	TURBOCHARGER GP						219

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00705859

# FUEL SYSTEM

## 2G-9000 ADAPTER GP-FAST FILL FUEL

S/N: 9EM1-UP

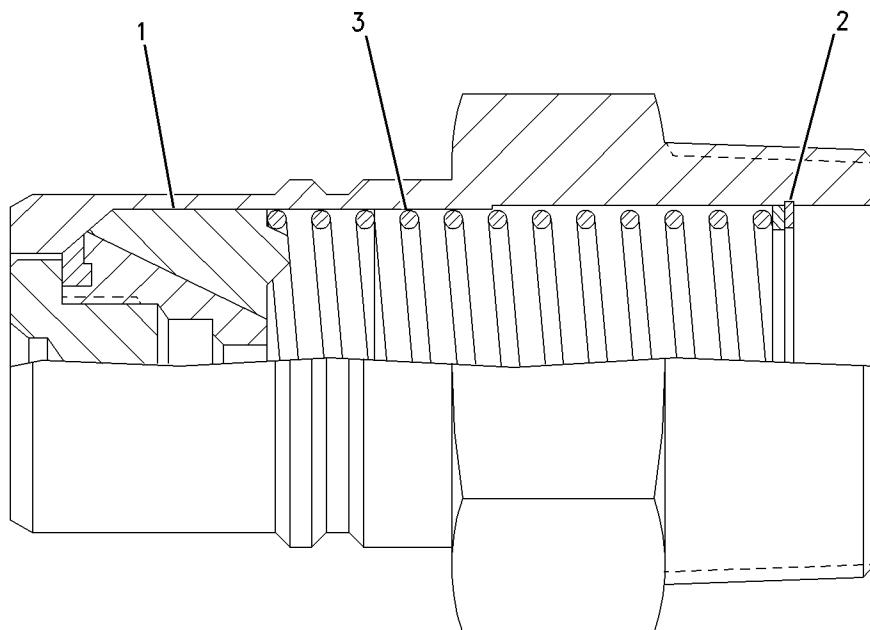
PART OF 187-5276, 8E-5382 ADAPTER GP-FAST FILL FUEL  
AN ATTACHMENT

SMCS-1710

i01489087

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
Z	1	1		1	PLUNGER						
Z	2	1		1	RING-RETAINING						
Z	3	1		1	SPRING						

Z-NOT SERVICED SEPARATELY



GRAPHIC #1

g00735689

# FUEL SYSTEM

## 8E-5382 ADAPTER GP-FAST FILL FUEL

S/N: 9EM1-1212

AN ATTACHMENT

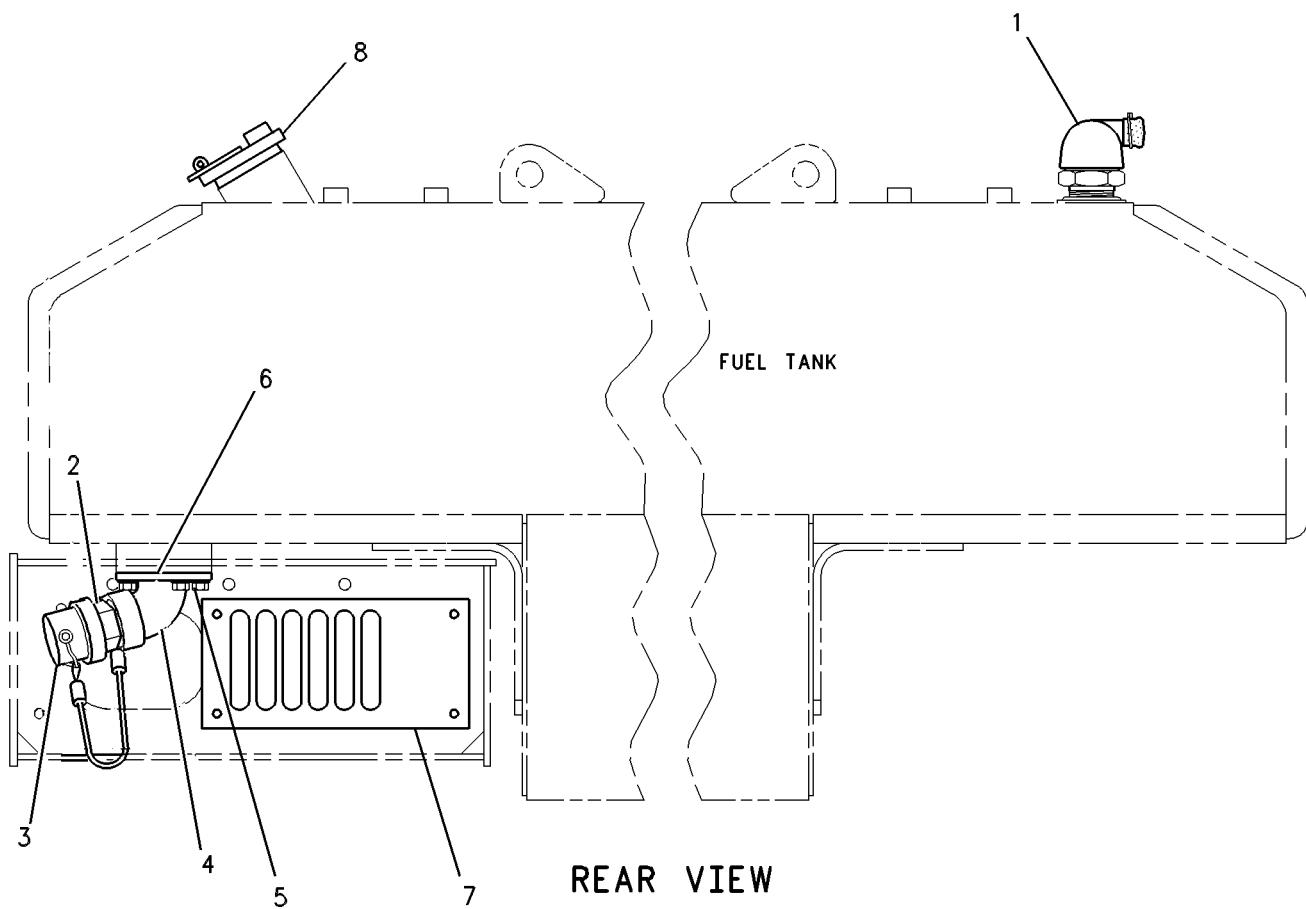
SMCS-1710

i01137934

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)		
J	1	1	6G-7803	1	VENT AS								
Y	2	1	2G-9000	1	ADAPTER GP-FAST FILL FUEL								223
3	1		9D-0630	1	COVER-DUST								
4	1		9W-4189	1	ELBOW								
5	1		8T-8917	4	BOLT (1/2-13X1.25IN)								
6	1		1H-5728	1	SEAL-O-RING (63MM ID)								
7	1		6Y-8556	1	DOOR								
8	1		101-8909	1	CAP AS-FUEL TANK FILLER								
	1		9X-8600	1	SEAL-O-RING (110.49MM ID)								
AVAILABLE REPAIR KIT(S):													
J			5T-8645	1	KIT-VENT								
					(INCLUDES BALL CAGE, CLAMP, ROLL PINS, SCREEN, COVER, 2 HOLLOW BALLS, SOLID BALL, BODY SEAL, VALVE SEAL & 2 O-RING SEALS)								

J-REPAIR KIT MARKED J AVAILABLE FOR PART MARKED J

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00255044

# **MEMORANDA**

# FUEL SYSTEM

## 187-5276 ADAPTER GP-FAST FILL FUEL

S/N: 9EM1213-UP

AN ATTACHMENT

SMCS-1710

i01489078

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	2G-9000	1	ADAPTER GP-FAST FILL FUEL						223
	2	1	6Y-8556	1	DOOR						
	3	1	9D-0630	1	CAP-DUST						
	4	1	163-5455	1	VALVE AS						
	5	1	188-5095	1	VENT AS						
	6	1	193-1598	1	ELBOW						
I	7	1	193-5768	1	HOSE AS						
	8	1	1H-8128	1	SEAL-O-RING						
	9	1	1J-9671	2	SEAL-O-RING						
	10	1	2D-4534	6	BOLT-SOCKET HEAD (3/8-16X1 IN)						
	11	1	4J-0527	1	SEAL-O-RING						
	12	1	4L-6454	10	BOLT (3/8-16X1 IN)						
	13	1	5H-6734	1	SEAL-O-RING						
	14	1	5P-1075	4	WASHER-HARD (10.2X22.5X3MM THK)						
	15	1	5P-2618	2	CONNECTOR						
	16	1	8T-4223	4	WASHER-HARD (13.5X25.5X3MM THK)						
	17	1	8T-4896	12	WASHER-HARD (10.2X18.5X2.5MM THK)						
	18	1	8T-9389	4	BOLT (1/2-13X2.75 IN)						

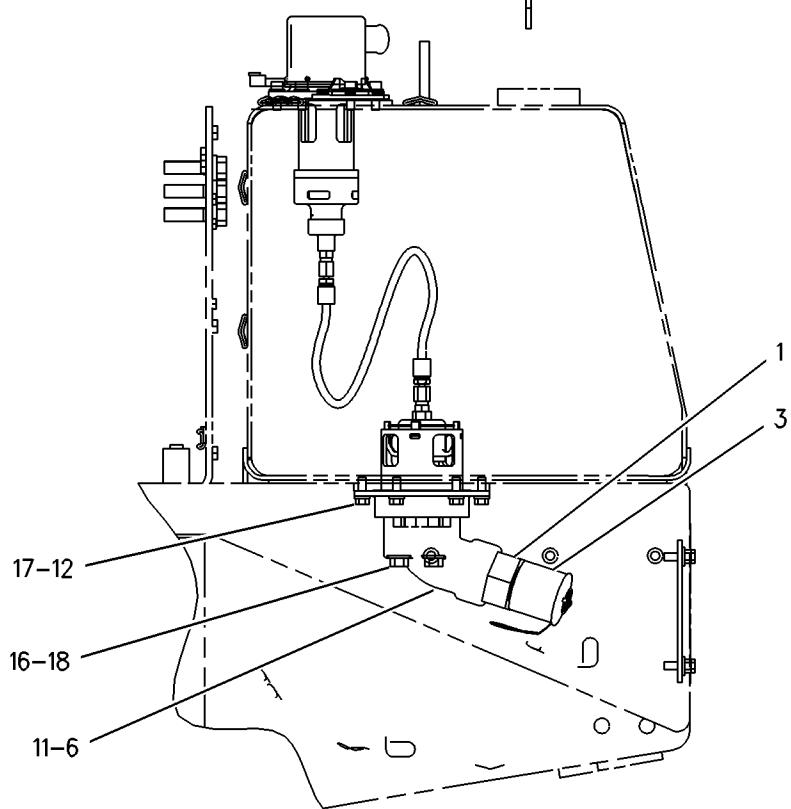
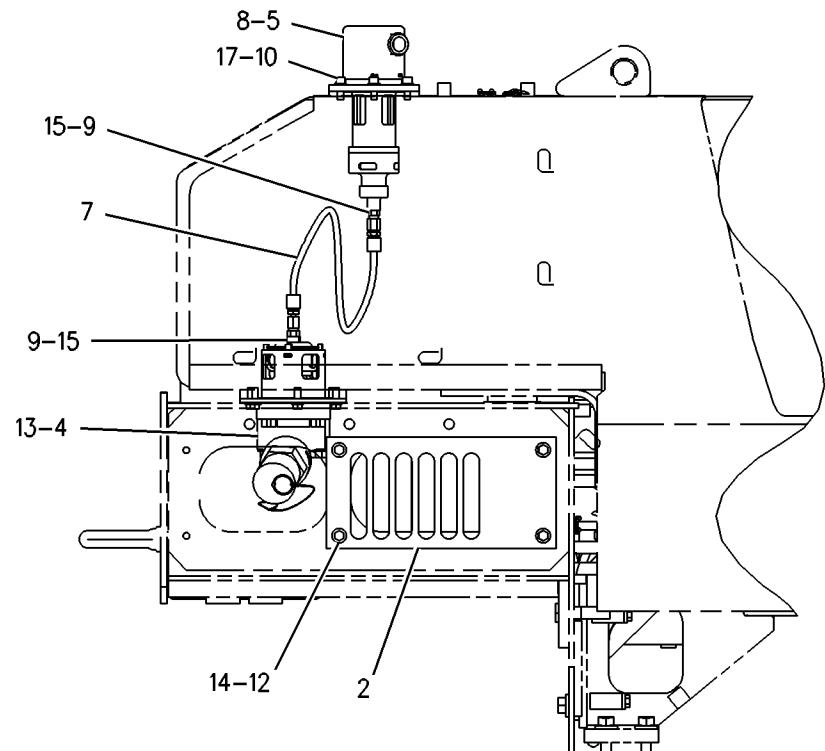
I-SEE HOSE FABRICATION GUIDE

Y-SEPARATE ILLUSTRATION

# FUEL SYSTEM

187-5276 ADAPTER GP-FAST FILL FUEL (contd.)

i01489078



GRAPHIC #1

g00758396

# FUEL SYSTEM

## 124-5658 CONTROL GP-FUEL RATIO

S/N: 41Z1-UP

PART OF 104-4407, 137-1607 PUMP GP-GOV & FUEL INJ  
ALSO AN ATTACHMENT

SMCS-1278

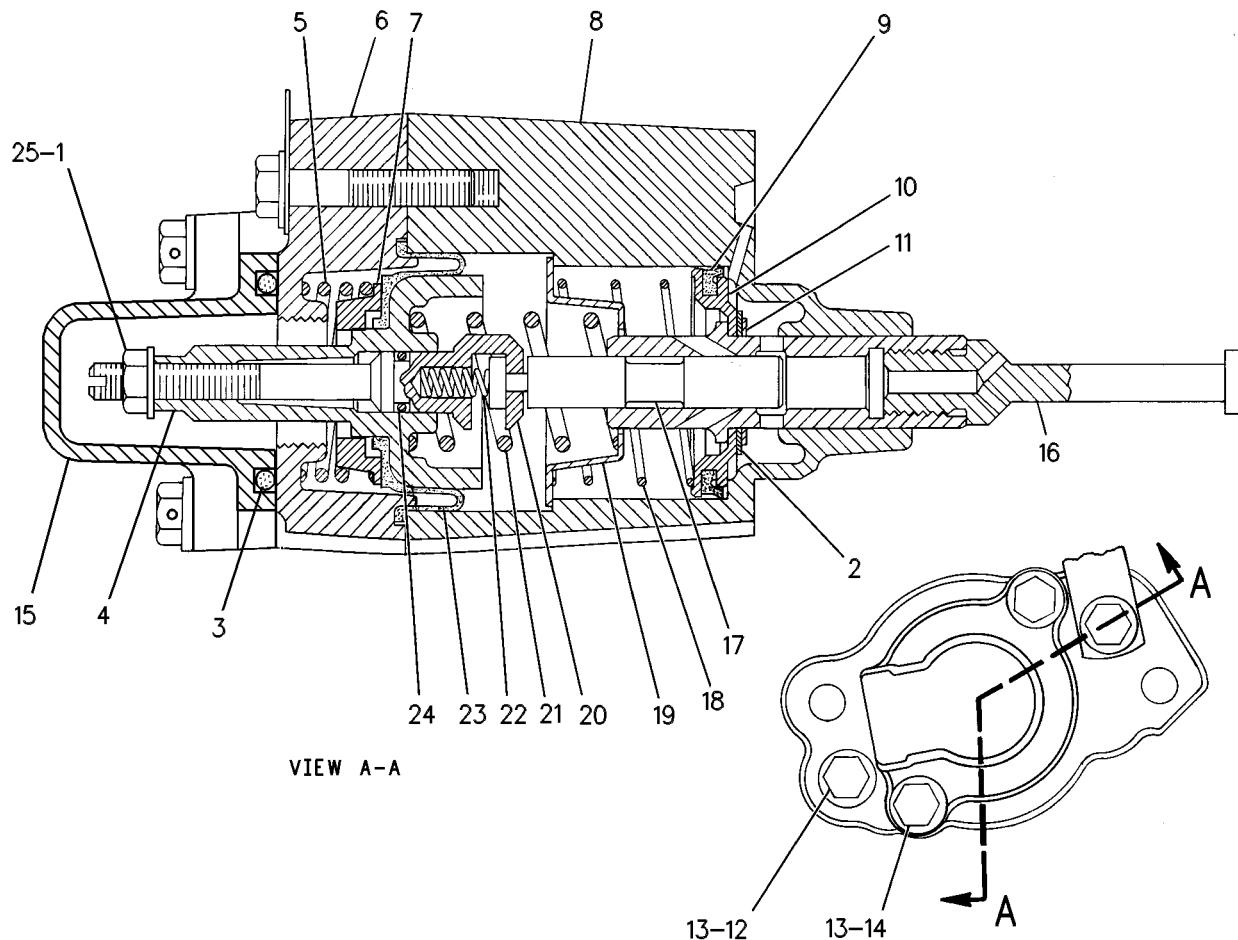
i01112534

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		<b>9S-8748</b>	1	NUT-FULL (1/4-28 THD)	
2	1		<b>2W-9315</b>	2	WASHER-SPRING	
3	1		<b>5P-8210</b>	1	SEAL-O-RING (31.34MM ID)	
4	1		<b>4W-0924</b>	1	RETAINER	
5	1		<b>7W-2826</b>	1	SPRING	
6	1		<b>4P-7275</b>	1	COVER	
7	1		<b>106-6493</b>	1	WASHER (35MM OD)	
8	1		<b>7N-9062</b>	1	HOUSING	
9	1		<b>8N-5763</b>	1	SEAL	
10	1		<b>8N-5764</b>	1	PISTON	
11	1		<b>8F-4610</b>	1	RING-RETAINING	
12	1		<b>2A-5546</b>	2	BOLT (1/4-20X1.375IN)	
13	1		<b>5P-0537</b>	4	WASHER (2MM THK)	
14	1		<b>5P-6945</b>	2	BOLT (1/4-20X1.25IN)	
15	1		<b>4P-7274</b>	1	COVER	
16	1		<b>2W-9316</b>	1	VALVE AS	
17	1		<b>7N-9036</b>	1	VALVE-INTERNAL	
18	1		<b>8N-5765</b>	1	SPRING	
19	1		<b>7N-9035</b>	1	RETAINER	
20	1		<b>7W-2015</b>	1	EXTENSION-VALVE	
21	1		<b>124-5657</b>	1	SPRING-FUEL RATIO CONTROL	
22	1		<b>9N-1754</b>	1	SPRING	
23	1		<b>6I-1564</b>	1	DIAPHRAGM	
24	1		<b>3E-6760</b>	1	SEAL-O-RING (7.65MM ID)	
25	1		<b>115-3358</b>	1	WASHER (12.7MM OD)	

# FUEL SYSTEM

124-5658 CONTROL GP - FUEL RATIO (*contd.*)

i01112534



GRAPHIC #1

g00108895

# FUEL SYSTEM

## 7T-2511 CONTROL GP-GOVERNOR

S/N: 9EM1-UP

SMCS-1265

i01065638

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		2A-1736	1	HANDLE (GOV.-HIGH IDLE)	
2	1		8G-2075	1	LEVER	
3	1		6V-2867	2	BOOT-ROD END	
	1		6V-2866	4	SPACER	
4	1		4B-6493	1	SPRING-ROD	
5	1		8G-3110	1	LEVER	
6	1		1B-8706	2	KEY-WOODRUFF	
7	1		4L-9337	2	BOLT	
8	1		3E-4374	1	STUD	
9	1		1A-9252	1	END-ADJUSTMENT ROD	
10	1		8C-3121	1	BOLT	
	1		6V-8189	1	NUT	
11	1		8D-4119	1	LEVER	
12	1		145-8932	1	ROD	
13	1		6V-8183	2	NUT-FULL (3/8-24 THD)	
14	1		2K-0400	1	END-YOKE ROD	
15	1		4L-6459	1	BOLT	
16	1		6V-8801	4	NUT	
17	1		2K-4973	1	LOCKNUT	
18	1		4K-5824	1	BOSS	
19	1		5P-1075	1	WASHER	
20	1		8T-4896	1	WASHER	
21	1		6Y-7410	1	COVER AS	
22	1		8F-7702	4	SEAL-LIP (19.05MM ID)	
23	1		5H-7152	1	SPRING	
24	1		8H-9186	2	SPRING	
C	25	1	030-8537	1	BOLT-LOCKING	
	26	1	8T-1177	2	BEARING-ROLLER	
	27	1	8T-9375	1	BOLT (3/8-16X1.75)	
	28	1	5L-4041	4	BOLT-12 POINT HEAD (1/4-20X1.5IN)	
	29	1	091-9915	1	WASHER-HARD	
	30	1	9G-1913	1	PLATE	
	31	1	8E-4757	1	SHAFT-GOVERNOR CONTROL	
	32	1	7M-6955	2	GASKET	
	33	1	8E-4745	1	SPRING-DISC	
	34	1	3W-3828	1	HOUSING	
	35	1	7G-7681	1	SHAFT AS	
		1	2S-6091	3	DOWEL	
	36	1	6Y-0145	1	PLATE-LOCKING	
	37	1	8H-9182	2	ROLLER-GOVERNOR CONTROL	
	38	1	3W-4078	1	LEVER	
		1	9B-7237	1	BOLT	
	39	1	8T-0192	1	BOLT (3/8-16X2.25IN)	
	40	1	8T-5353	1	DOWEL (9.4MM DIA X 19.5MM OAL)	
	41	2	1A-4790	2	WASHER	
	42	2	8T-0741	2	SEAL-LIP (15.88MM ID)	
	43	2	8T-0798	2	BEARING-ROLLER	
	44	2	3W-0602	1	SHAFT-GOVERNOR CONTROL	
		2	3B-4618	1	PIN-COTTER	
	45	2	4K-8603	1	PLUG-CUP (25.73MM ID)	
	46	2	3W-0593	1	ROD	
		2	4D-4064	2	ROD END	
		2	3S-2713	2	NUT-FULL (3/8-24 THD)	
	47	2	7T-4954	1	SHAFT-GOVERNOR CONTROL	
	48	2	8H-0455	1	LEVER	
	49	2	1B-8706	2	KEY-WOODRUFF	
	50	2	4L-9337	1	BOLT	

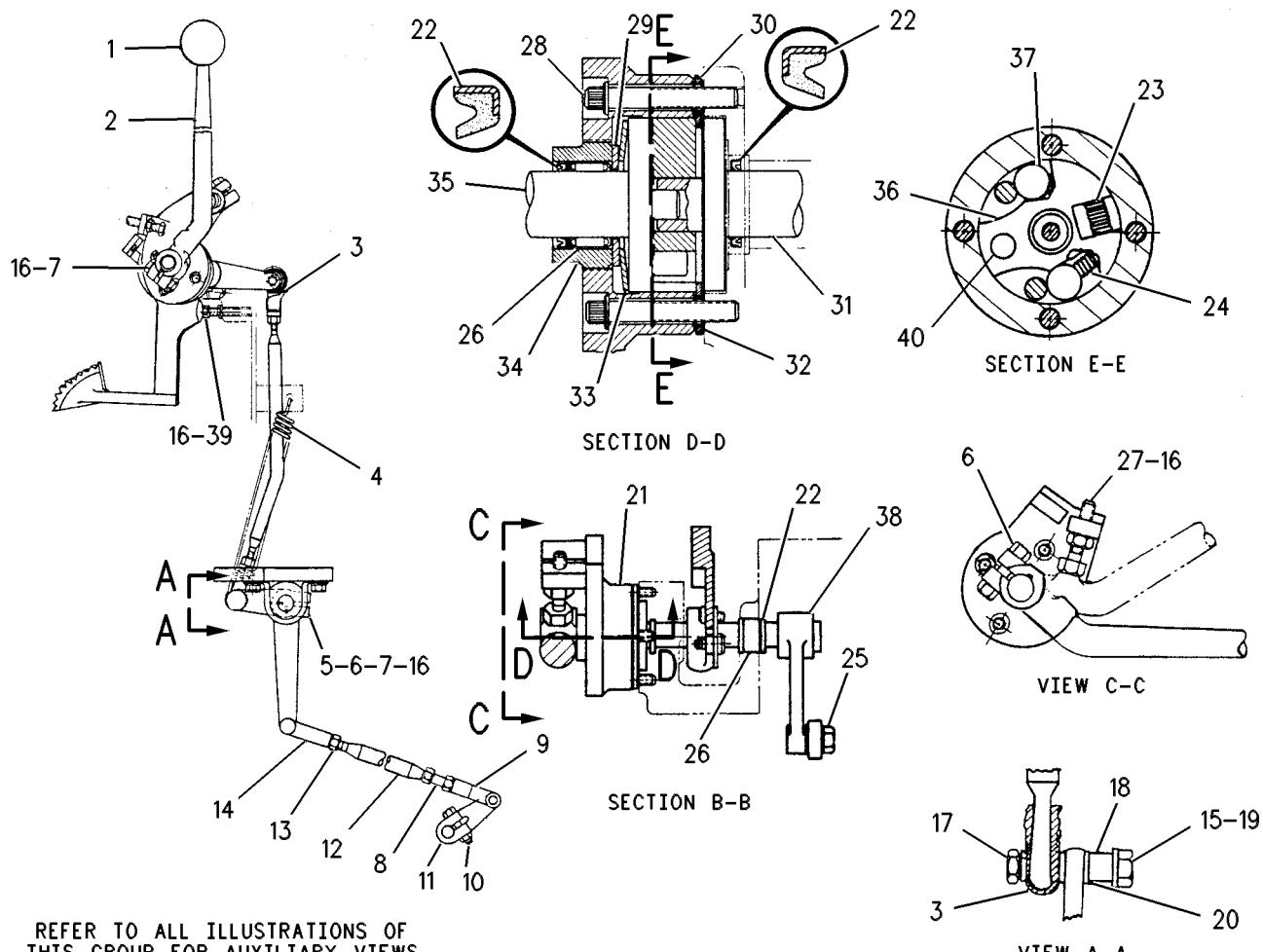
# FUEL SYSTEM

## 7T-2511 CONTROL GP-GOVERNOR (contd.)

i01065638

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
51	2		6V-8801	1	NUT							
52	2		1B-0676	2	PIN							
	2		3B-4615	2	PIN							
53	2		5M-3062	4	BOLT							
54	2		8T-4896	10	WASHER							
55	2		4D-4829	2	BEARING AS							
					(EACH INCLUDES)							
	2		4D-9933	1	BASE							
	2		4J-1434	1	COLLAR							
	2		4D-9924	1	CAP							
56	2		4L-6454	6	BOLT							
57	2		7T-4953	2	PLATE							
58	2		9B-7237	1	BOLT							
59	2		9S-1303	2	PIN							
	2		3B-4610	2	COTTER							
	2		8M-6701	2	WASHER							
60	2		3W-4567	1	PEDAL							
61	2		8G-5240	1	LEVER							
62	2		8T-9375	1	BOLT (3/8-16X1.75)							
63	2		9G-2324	1	BAR							

C-CHANGE FROM PREVIOUS TYPE



REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

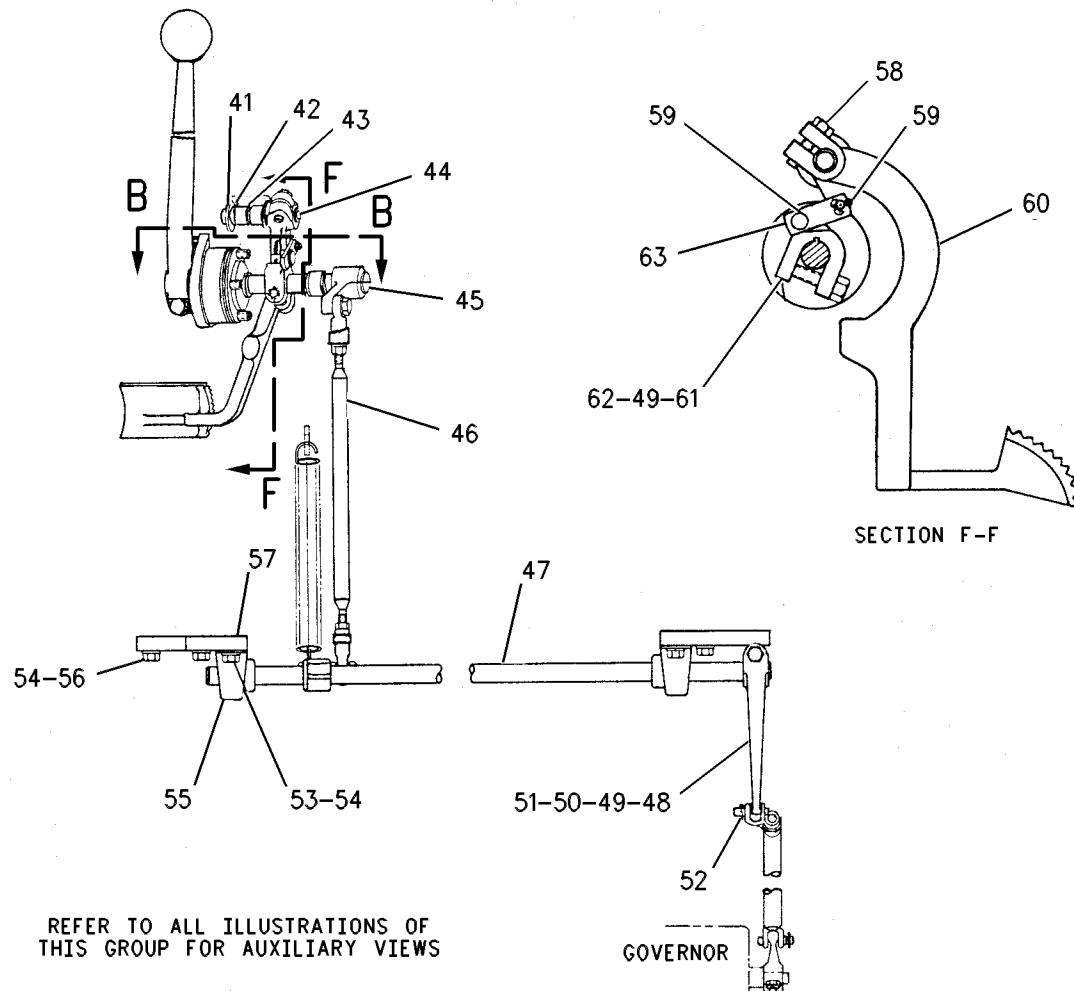
GRAPHIC #1

g00465297

# FUEL SYSTEM

7T-2511 CONTROL GP-GOVERNOR (*contd.*)

i01065638



GRAPHIC #2

g00377679

# FUEL SYSTEM

## 7N-4077 COVER GP - FUEL TRANSFER

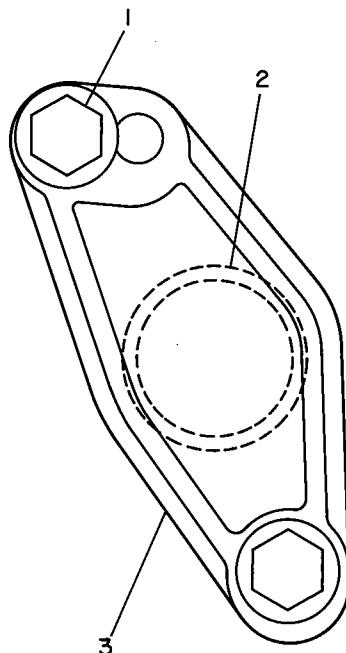
S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1256

i01065804

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE			
					1	2	3	4	5	6
1	1		0S-1617	2	BOLT (5/16-18X.75IN)					
			1	2	WASHER-HARD (2MM THK)					
2	1		4M-8303	1	SEAL-O-RING (20.29MM ID)					
3	1		8N-8082	1	COVER					



GRAPHIC #1

g00158875

# FUEL SYSTEM

## 110-1282 DRIVE GP-GOVERNOR & FUEL PUMP

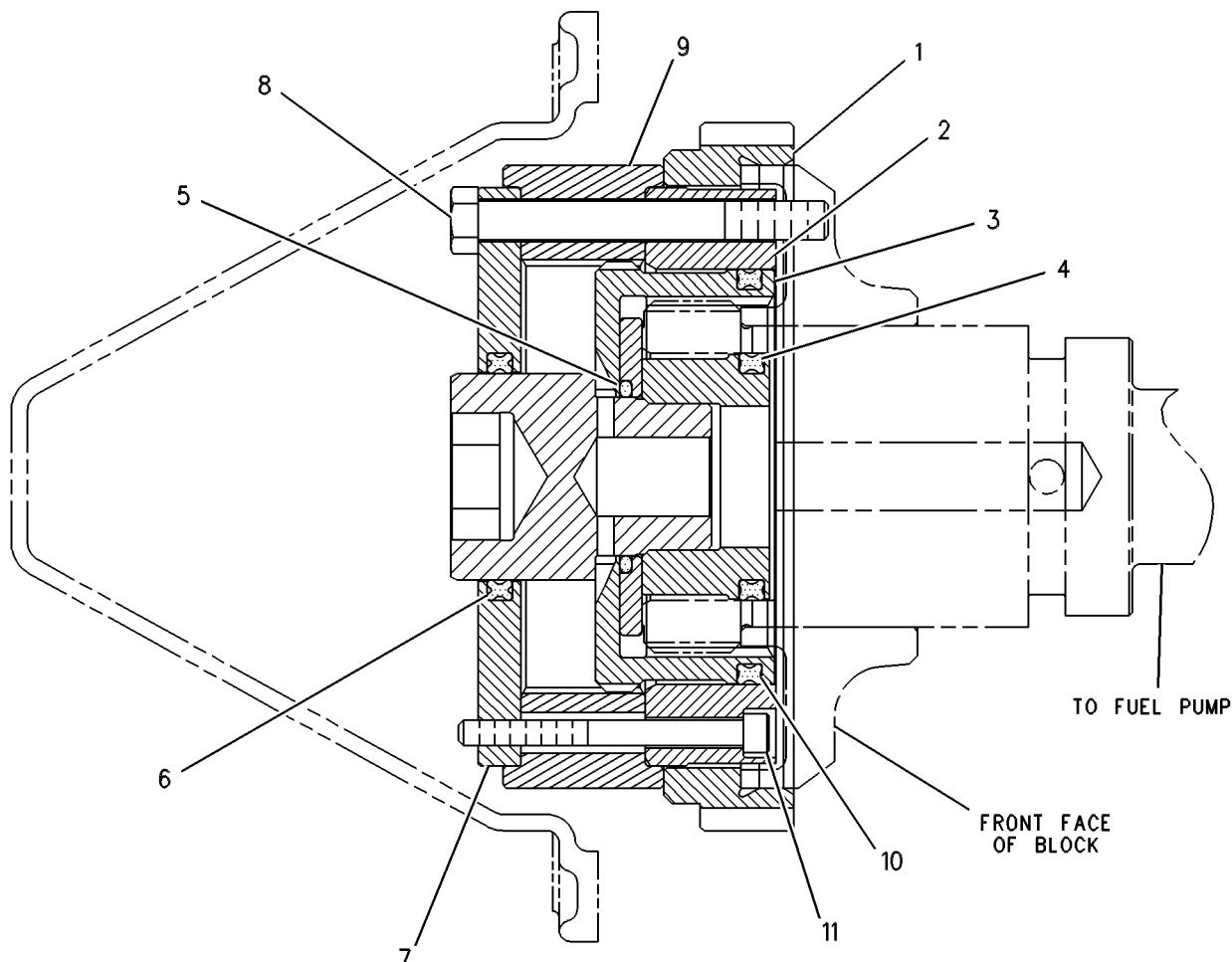
S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1288

i00570592

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		7W-0993	1	GEAR-PUMP DRIVE (64 TEETH)						
2	1		100-2848	1	RING-GUIDE						
3	1		110-1284	1	CARRIER AS						
4	1		4W-2754	1	SEAL-QUAD RING (LOBED)						
5	1		061-7540	1	SEAL-O-RING (37.69MM ID)						
6	1		4W-2754	1	SEAL-QUAD RING						
7	1		100-2849	1	PLATE						
8	1		OT-0065	8	BOLT (3/8-16X3.5IN)						
9	1		100-2851	1	RING-DRIVE						
10	1		9X-7715	1	SEAL-LOBED						
11	1		6J-2819	8	BOLT-SOCKET HEAD						



GRAPHIC #1

g00108893

# FUEL SYSTEM

## 1W-7376 FASTENER GP - FUEL INJ PUMP

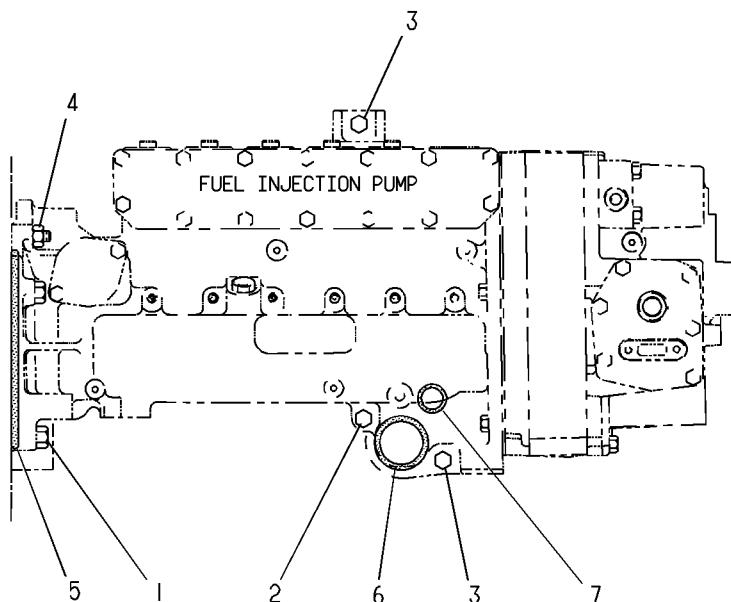
S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1251

i00685518

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		0S-1571	2	BOLT (3/8-16X1.75IN)						
2	1		5P-0076	1	BOLT-12 POINT HEAD (3/8-16X1.50IN)						
3	1		034-4288	2	BOLT-12 POINT HEAD						
4	1		9S-8752	2	NUT-FULL (3/8-16 THD)						
5	1		6V-3319	1	SEAL-O-RING (158.34MM ID)						
6	1		5P-5846	1	SEAL-O-RING (40.64MM ID)						
7	1		2N-3350	1	SEAL-O-RING (21.59MM ID)						



GRAPHIC #1

g00108375

# FUEL SYSTEM

## 9Y-4913 FASTENER GP - FUEL INJ PUMP

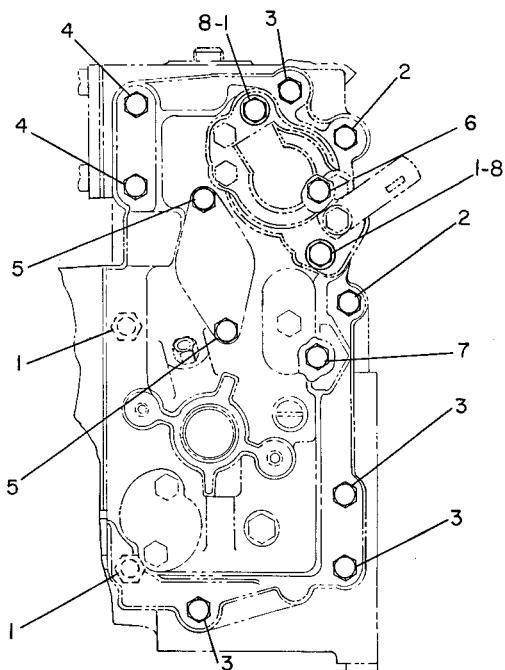
S/N: 41Z1-UP

PART OF 104-4407, 137-1607 PUMP GP-GOV & FUEL INJ  
ALSO AN ATTACHMENT

SMCS-1251

i00144793

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		6V-5894	4	BOLT						
2	1		7B-2742	2	BOLT (1/4-20X1.25IN)						
3	1		8S-4710	4	BOLT (1/4-20X4IN)						
4	1		1B-2716	2	BOLT (1/4-20X5IN)						
5	1		4F-7957	2	BOLT (1/4-20X.875IN)						
6	1		8F-8178	1	BOLT (1/4-20X3.25IN)						
7	1		7X-0869	1	BOLT-LOCKING						
8	1		5P-0537	2	WASHER (2MM THK)						



GRAPHIC #1

g00108351

# FUEL SYSTEM

## 1W-4757 FILTER GP-FUEL

S/N: 41Z1-UP

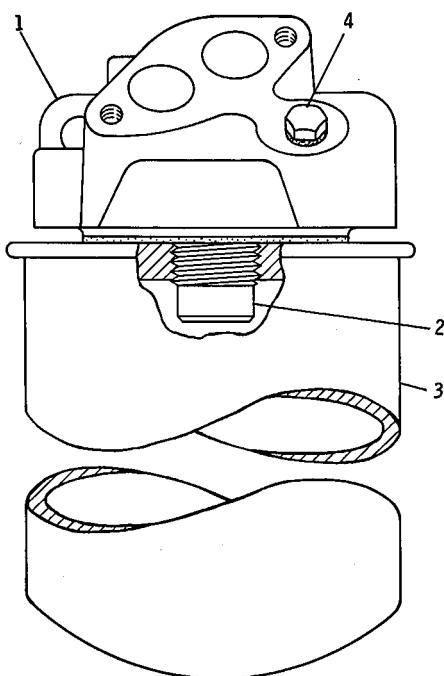
PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1261

i00569905

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		1W-3892	1	BASE AS-FUEL FILTER						
2	1		9S-4167	1	STUD-HOLLOW						
C	3	1	1R-0749	1	FILTER AS-FUEL						
4	1		9S-4191	1	PLUG-O-RING (9/16-18 THD)						
	1		3J-1907	1	SEAL-O-RING (11.89MM ID)						

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

g00096868

# FUEL SYSTEM

## 176-5618 FILTER GP-WATER SEP & FUEL

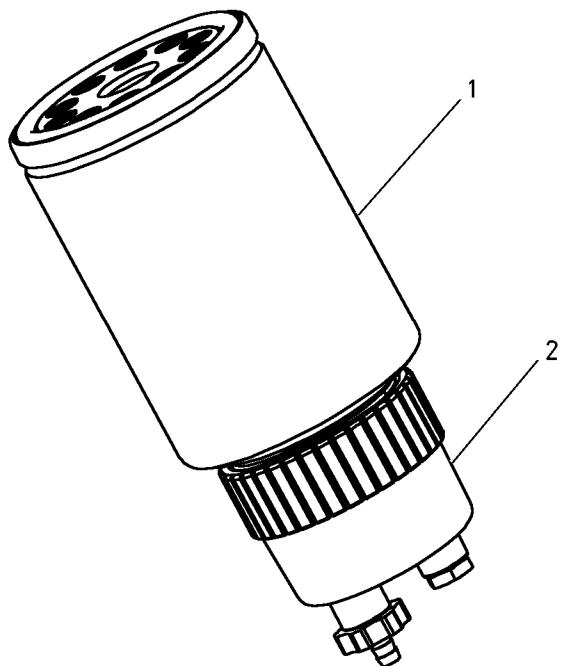
S/N: 41Z17010-UP

PART OF 183-2344 FILTER GP-WATER SEP & FUEL  
ALSO AN ATTACHMENT

SMCS-1261, 1263

i01369570

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		1R-0769	1	FILTER AS (WATER SEPARATOR & FUEL)						
2	1		173-7126	1	BOWL AS						
1			5F-9144	1	SEAL-O-RING (7.65MM ID)						
1			6V-5049	1	SEAL-O-RING (11.89MM ID)						



GRAPHIC #1

g00691582

# FUEL SYSTEM

## 183-2344 FILTER GP-WATER SEP & FUEL

S/N: 41Z17010-UP

PART OF 183-2341 PUMP GP-FUEL PRM & PRIM FILTER  
ALSO AN ATTACHMENT

SMCS-1261, 1263

i01369564

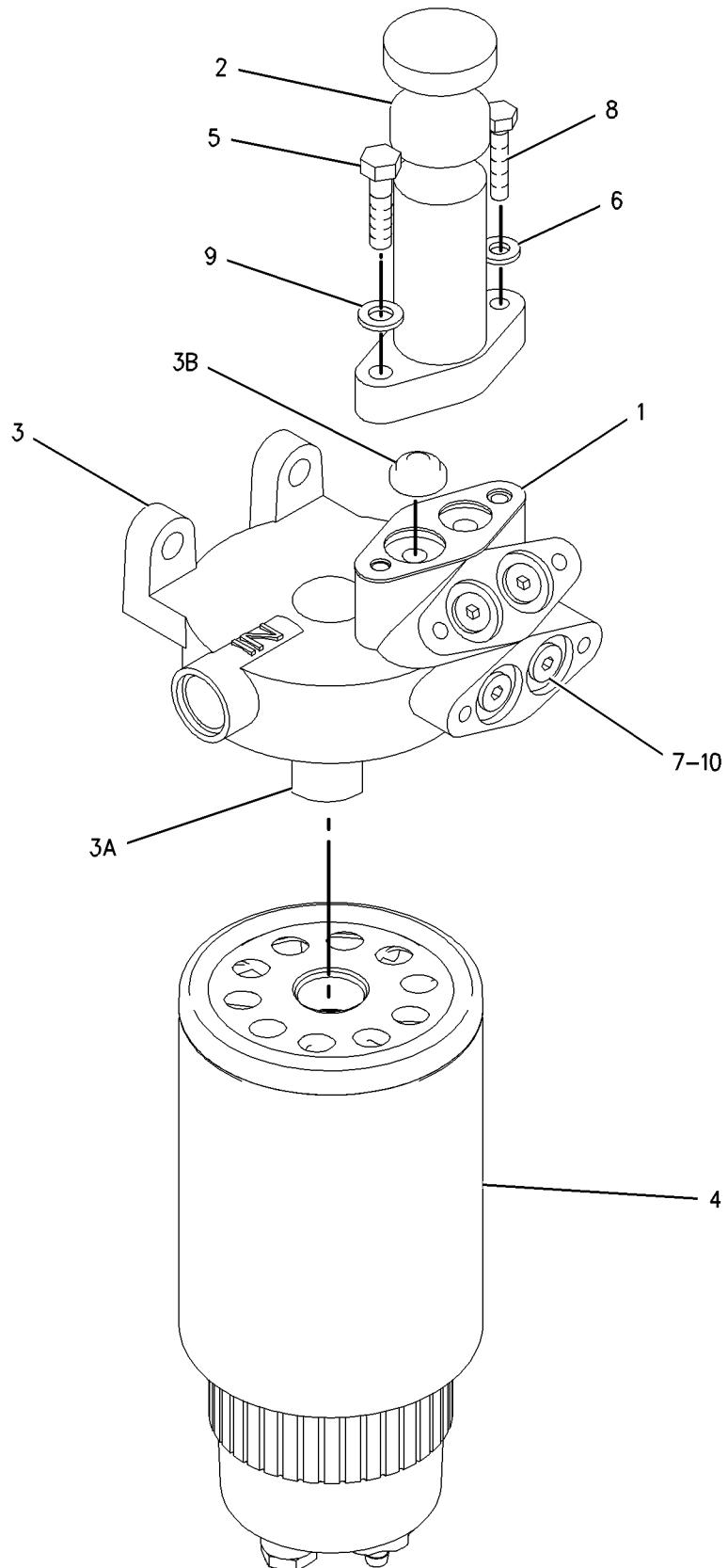
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE					
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		1P-0436	1	GASKET (FUEL PRIMING PUMP)						
2	1		105-2508	1	PUMP AS-FUEL PRIMING						
3	1		128-8557	1	BASE AS-FILTER						
3A	1		9S-4167	1	STUD-HOLLOW						
3B	1		7E-5346	1	VALVE AS						
Y	4	1	176-5618	1	FILTER GP-WATER SEP & FUEL						238
	5	1	1B-7182	1	BOLT (5/16-18X1.25IN)						
	6	1	5P-0537	1	WASHER-HARD (7.2X14.5X2MM THK)						
	7	1	6V-5048	4	SEAL-O-RING (8.92MM ID)						
	8	1	7B-2742	1	BOLT (1/4-20X1.25 IN)						
	9	1	9M-1974	1	WASHER-HARD (8.8X16X2MM THK)						
	10	1	9S-8002	4	PLUG-O-RING						

Y-SEPARATE ILLUSTRATION

# FUEL SYSTEM

183-2344 FILTER GP - WATER SEP & FUEL (*contd.*)

i01369564



GRAPHIC #1

g00738833

# FUEL SYSTEM

## 7C-4797 GOVERNOR GP

S/N: 41Z1-UP

PART OF 104-4407, 137-1607 PUMP GP-GOV & FUEL INJ  
ALSO AN ATTACHMENT

SMCS-1264

i01568490

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	2		4W-5735	1	LEVER AS-PIVOT	
1A	2		115-1249	1	SETSCREW-SOCKET	
1B	2		8L-5832	1	NUT-HEX (10-32 THD)	
1C	3		4W-5734	1	LEVER AS	
1D	3		6V-6835	1	SETSCREW-SOCKET	
1E	3		8L-5832	1	NUT-HEX (10-32 THD)	
2	2		2W-2216	1	SPRING-LINK	
3	2		1N-3800	1	SLEEVE-RACK CONTROL	
4	2		2M-7819	2	RING-RETAINING	
5	2		1N-3802	1	SEAT-SPRING	
6	2		8N-9678	1	PISTON AS-SERVO	
6A	3		7C-0790	1	CYLINDER AS	
6B	3		1W-4098	1	PISTON-GOVERNOR SERVO	
6C	3		7W-0250	1	SLEEVE	
6D	3		5P-9757	1	SEAL-O-RING	
6E	3		8N-2505	1	VALVE-GOVERNOR SERVO	
7	2		031-0216	3	BOLT (1/4-20X0.75 IN)	
8	2		7M-7219	1	BEARING-THRUST	
9	2		4N-2953	1	LOCK RING	
10	2		133-8890	2	RACE-NEEDLE BEARING	
11	2		4W-6868	1	RISER-GOVERNOR	
12	2		8N-9680	1	HOUSING AS-GOVERNOR	
12A	4		8S-6814	1	PIN	
12B	4		4F-6024	2	PIN	
13	3		2W-7400	1	SPRING	
14	2		7N-7269	1	DASHPOT AS-GOVERNOR	
14A	2		4N-6408	1	PISTON AS	
14B	4		4N-6407	1	SPOOL-DASHPOT	
14C	4		4N-6406	1	RING-SPACER	
14D	4		4N-6404	1	RING-RETAINING	
14E	2		4N-6410	1	SPRING-DASHPOT	
14F	2		7N-7268	1	SEAT-SPRING	
14G	2		1N-3861	1	SHIELD-GOVERNOR SPRING	
15	2		4N-0432	1	BALL BEARING	
16	2		6N-3504	1	SEAT-GOVERNOR SPRING	
17	2		7N-7270	2	SLEEVE-SPRING	
19	2		7E-3986	1	CARRIER-WEIGHT	
20	2		119-8699	4	WEIGHT-GOVERNOR	
21	2		9Y-7037	4	BOLT (1/4-20X1.25 IN)	
22	2		4N-9019	1	DOWEL	
23	2		8N-2510	1	SHAFT-WEIGHT CARRIER	
24	2		1S-5440	4	DOWEL	
25	3		9Y-4701	1	SETSCREW-SOCKET (34.92MM LG)	
					-OR-	
	3		5H-6552	1	SETSCREW-SOCKET (31.75MM LG)	
26	3		8L-5832	1	NUT-HEX (10-32 THD)	
27	3		1W-4243	1	SPRING-BUMPER	
28	3		8N-3256	1	COLLAR-LOAD STOP	
29	3		7W-5836	1	BOLT AS-STOP	
29A	3		7W-5835	1	COLLAR	
30	3		8N-3956	1	BLOCK AS-STOP	
30A	3		8N-3303	1	DOWEL	
31	3		6D-3897	1	BOLT (M8X32X12.7MM)	
32	3		6L-5551	2	BOLT-SOCKET HEAD (1/4-20X2.25 IN)	
33	2		7N-8821	2	RING-RETAINING	

# FUEL SYSTEM

**7C-4797 GOVERNOR GP (contd.)**

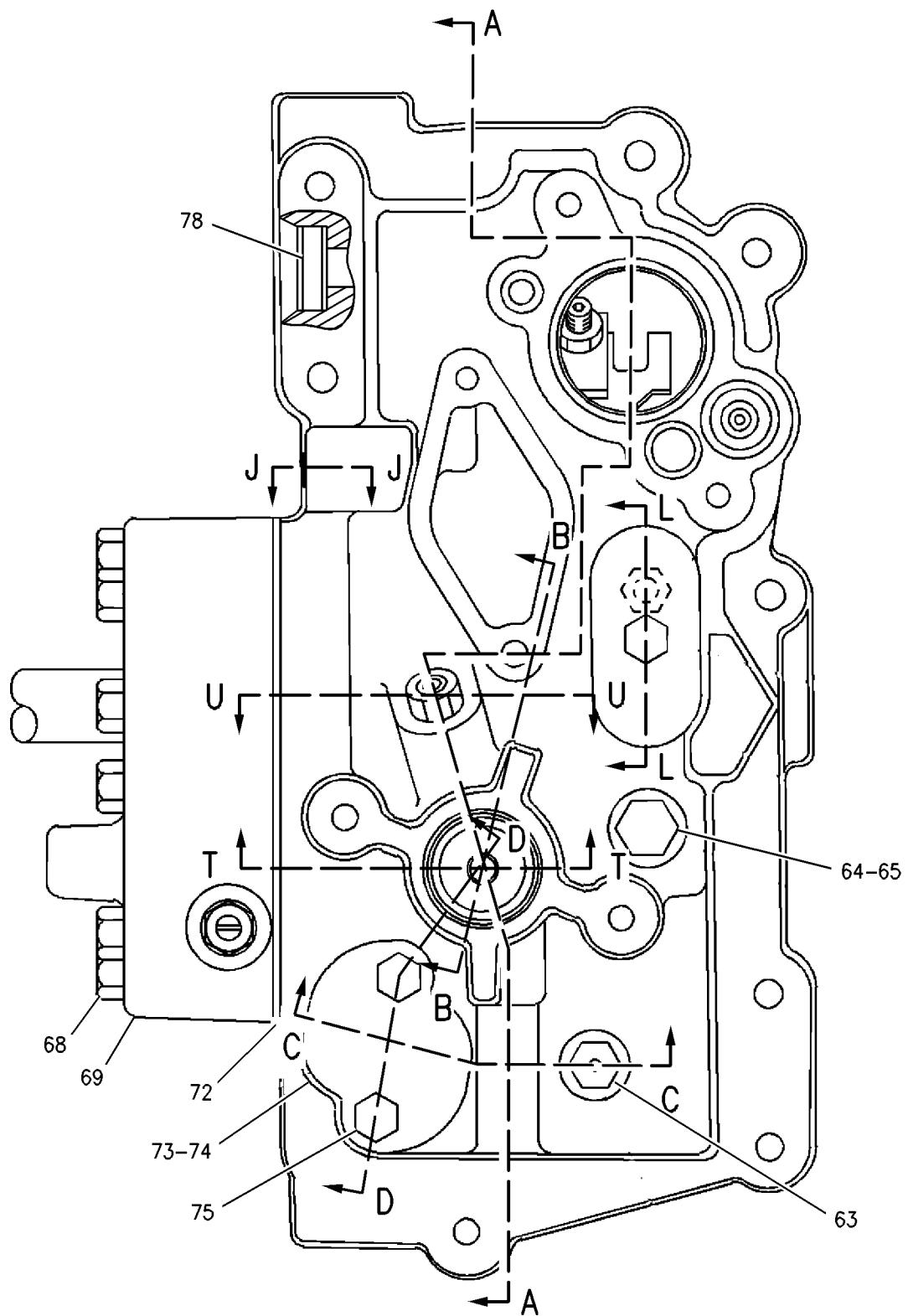
i01568490

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
34	2		<b>3K-5733</b>	1	SPRING							
35	3		<b>2W-6102</b>	1	LEVER-SPRING SEAT							
36	3		<b>7N-1052</b>	1	DOWEL							
37	3		<b>1W-5339</b>	1	SHAFT AS-GOVERNOR							
38	3		<b>5H-2532</b>	1	KEY-WOODRUFF							
39	3		<b>1W-3961</b>	1	SPACER (6.75X14X13MM THK)							
40	3		<b>7N-2176</b>	1	PIN-DETENT							
41	3		<b>7N-2171</b>	4	RING-RETAINING							
42	3		<b>7N-2172</b>	2	PIN							
43	2		<b>2N-0828</b>	2	WASHER (SPRING)							
44	2		<b>4N-5621</b>	1	SHAFT-SHUTOFF							
45	3		<b>1W-3962</b>	1	SPACER (6.75X14X10MM THK)							
46	3		<b>1J-9671</b>	1	SEAL-O-RING							
47	3		<b>9S-8003</b>	1	PLUG-O-RING							
48	3		<b>030-9615</b>	4	SCREW-NYLOK							
49	3		<b>8N-3760</b>	1	COVER							
50	3		<b>8N-3761</b>	1	GASKET							
51	3		<b>4N-8445</b>	1	BOLT (1/4-20X1.25IN)							
52	3		<b>1N-3935</b>	1	COVER							
53	3		<b>5B-3180</b>	1	NUT (5/16-18 THD)							
54	3		<b>144-0479</b>	1	GASKET-COVER (IDLE-SPEED ADJ)							
55	3		<b>1N-3887</b>	1	SETSCREW-SOCKET							
56	2		<b>1W-5341</b>	1	LEVER-SHUTOFF							
57	2		<b>0S-1588</b>	1	BOLT (3/8-16X1.25 IN)							
58	2		<b>4N-5484</b>	1	VALVE-NEEDLE							
59	2		<b>4N-5485</b>	1	BODY-VALVE							
60	2		<b>6H-9691</b>	1	SEAL-O-RING							
61	2		<b>5F-9144</b>	1	SEAL-O-RING							
62	2		<b>7W-4247</b>	1	HOUSING AS-GOVERNOR							
62A	4		<b>8N-2499</b>	1	SPRING-GUIDE							
62B	4		<b>4N-0260</b>	1	SEAL-LIP							
62C	4		<b>3D-8317</b>	1	RING-RETAINING							
62D	4		<b>8N-3945</b>	1	BUSHING-TERMINAL							
63	1		<b>3P-0009</b>	1	INSULATOR-STUD							
64	1		<b>2B-2695</b>	1	BOLT (5/16-18X0.875 IN)							
65	1		<b>4K-9890</b>	1	WASHER (8.6X17.27X1.626 IN THK)							
66	3		<b>7W-4272</b>	1	NUT-SEALING (5/16-18 THD)							
67	3		<b>8N-3087</b>	1	STOP-IDLE DETENT							
68	1		<b>1B-2713</b>	6	BOLT (1/4-20X1.75IN)							
69	1		<b>7W-1749</b>	1	COVER AS							
69A	4		<b>138-9507</b>	1	SEAL-LIP TYPE							
69B	3		<b>8S-6814</b>	2	PIN							
70	3		<b>7N-2594</b>	1	SETSCREW-SLOTTED							
71	3		<b>8H-9204</b>	1	WASHER-FELT							
72	1		<b>8N-3776</b>	1	GASKET-COVER (GOVERNOR DETENT)							
73	1		<b>8N-3762</b>	1	COVER							
74	1		<b>144-0478</b>	1	GASKET							
75	1		<b>0S-1347</b>	2	BOLT (1/4-20X.75 IN)							
76	2		<b>144-0480</b>	1	GASKET							
77	3		<b>2W-9305</b>	2	PLATE-THROTTLE							
78	1		<b>2F-2290</b>	1	PLUG-CORE							
79	2		<b>2P-9556</b>	1	WASHER (1.17X1.5X0.06 IN THK)							

# FUEL SYSTEM

7C-4797 GOVERNOR GP (*contd.*)

i01568490



REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

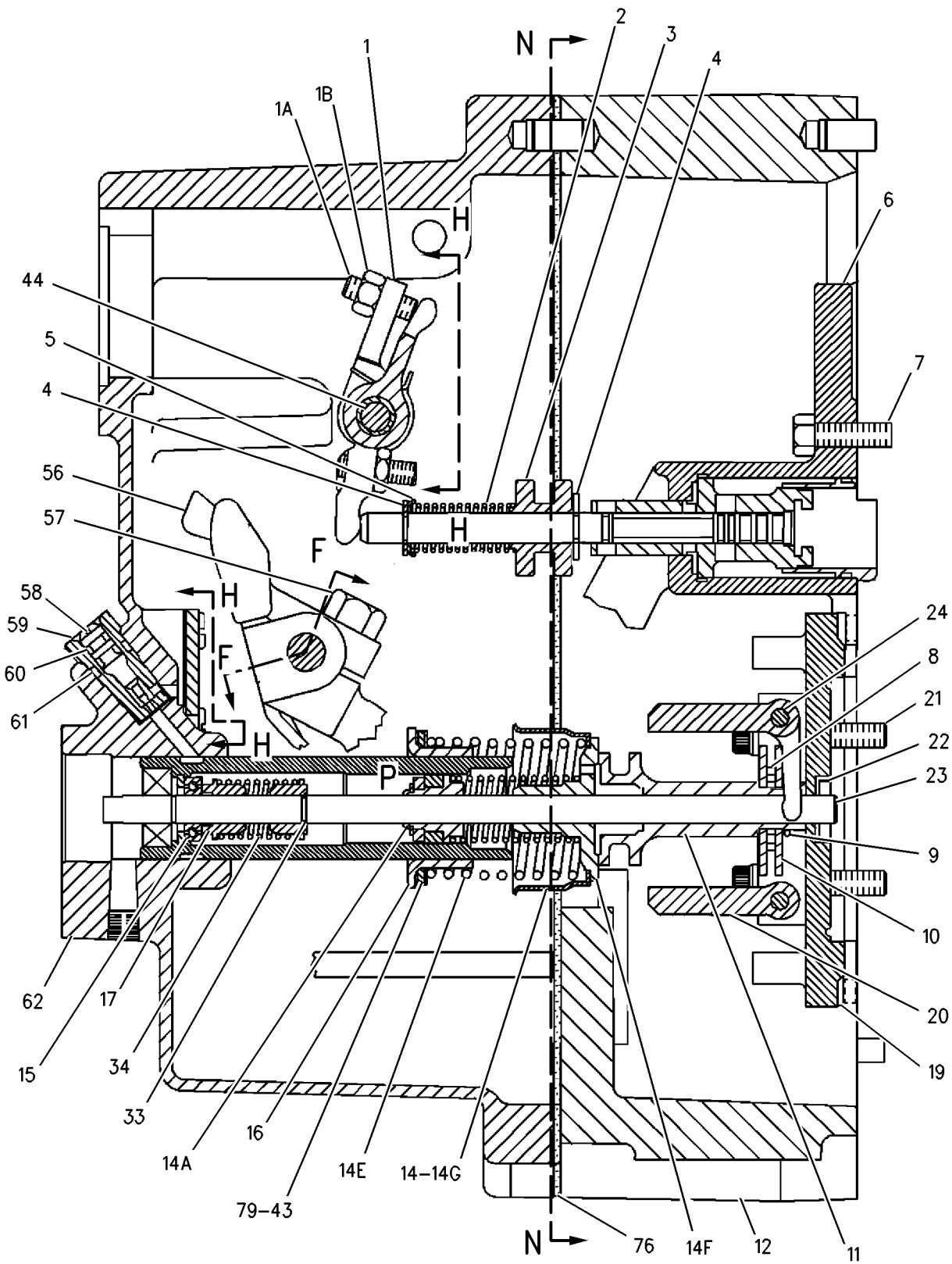
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g00771048

# FUEL SYSTEM

7C-4797 GOVERNOR GP (contd.)

i01568490



REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

SECTION A-A

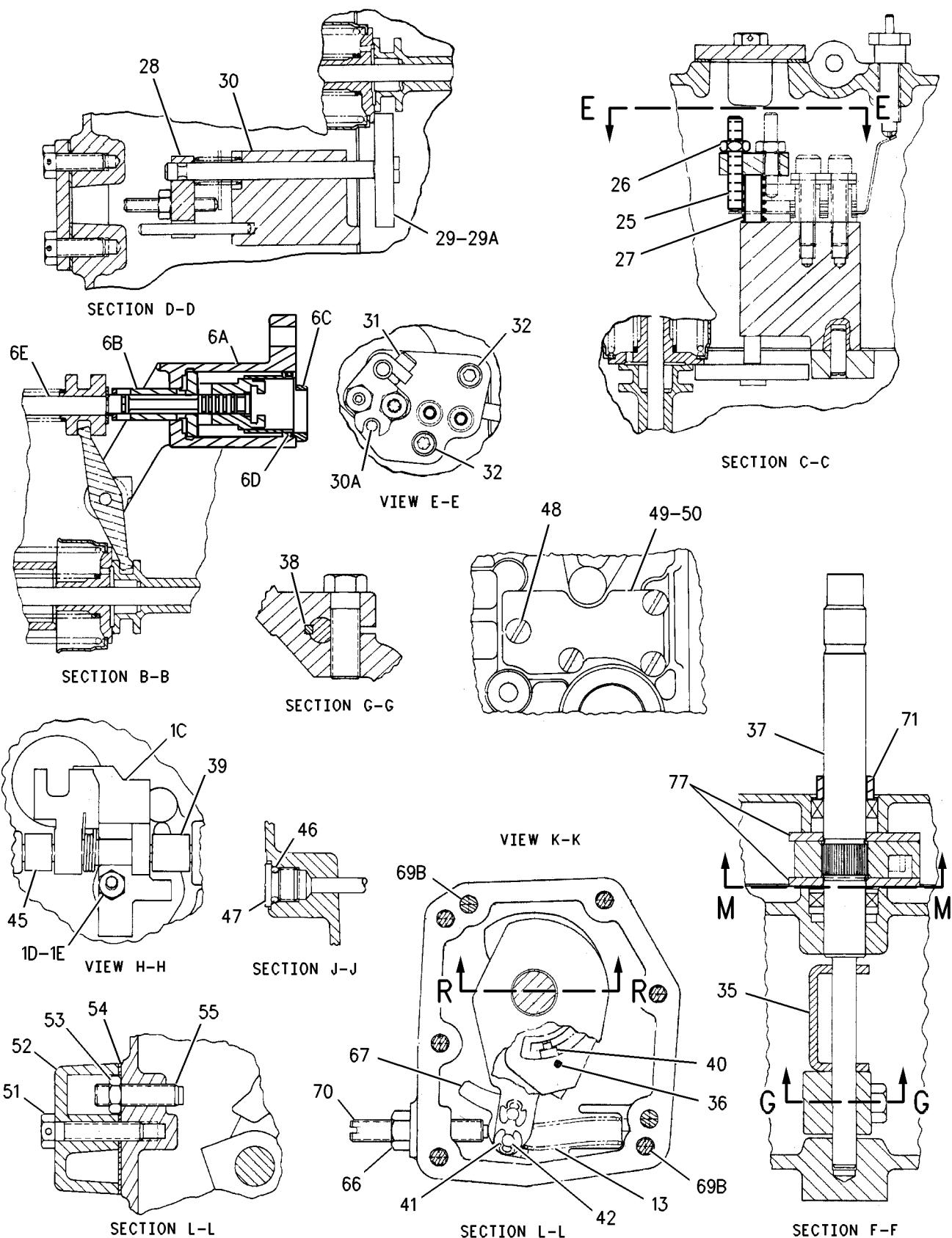
GRAPHIC #2

g00771049

# FUEL SYSTEM

7C-4797 GOVERNOR GP (contd.)

i01568490



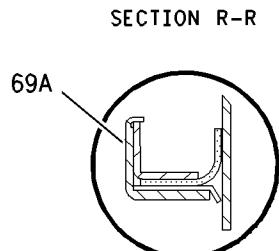
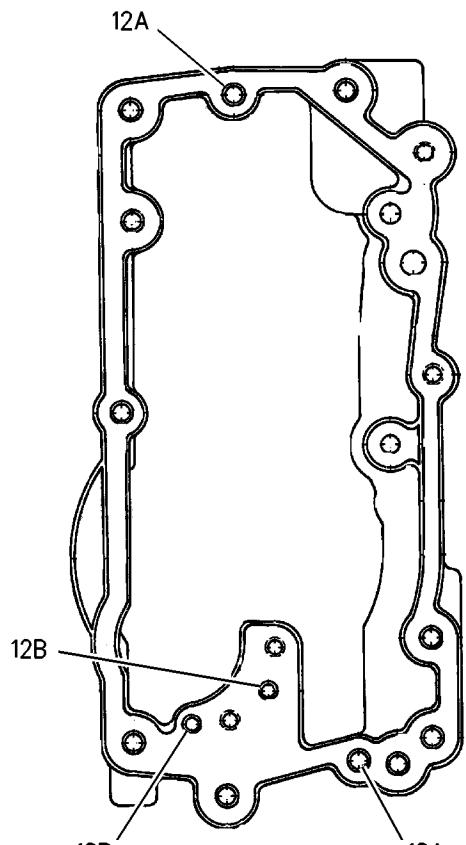
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g00771051

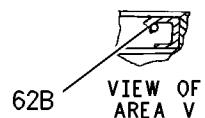
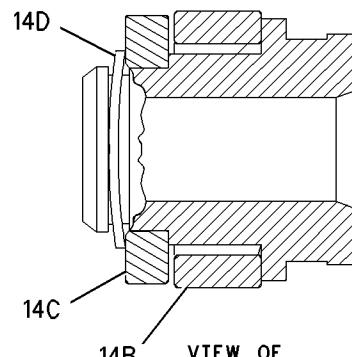
# FUEL SYSTEM

7C-4797 GOVERNOR GP (contd.)

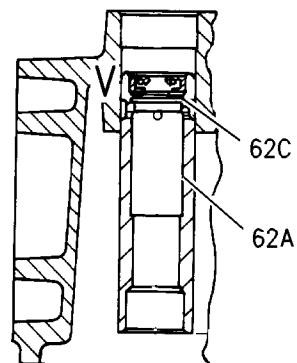
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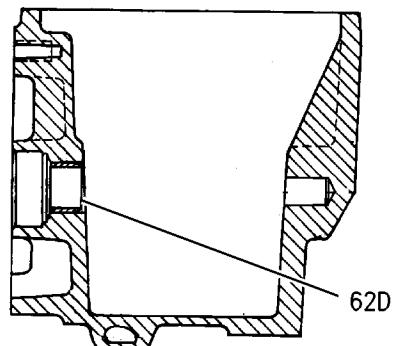
VIEW OF  
AREA S



VIEW OF  
AREA V



SECTION T-T



SECTION U-U

# FUEL SYSTEM

## 8E-4731 LINES GP-FUEL

S/N: 9EM1-970

SMCS-1274

i01066394

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
I	1	1	7T-8614	1	HOSE AS							
I	2	1	7T-8578	1	HOSE AS							
	3	1	3K-0360	6	SEAL-O-RING (16.36MM ID)							
	4	1	6V-8625	2	ELBOW-90 DEGREE (3/4-16 THD)							
		1	6V-8398	2	SEAL-O-RING (12.47MM ID)							
	5	1	8T-0119	1	ELBOW-90 DEGREE							
BE	6	1	5P-1442		HOSE (60 CM LG)							
	7	1	6V-8397	2	SEAL-O-RING (9.27MM ID)							
	8	1	6V-9200	1	ELBOW-FACE SEAL							
		1	3J-7354	1	SEAL-O-RING (8.92MM ID)							
	9	1	5P-6944	1	ADAPTER-STRAIGHT THREAD							
	10	1	5M-3062	6	BOLT (3/8-16X.75IN)							
		1	8T-4896	6	WASHER-HARD (2.5MM THK)							
	11	1	5P-1046	1	CONNECTOR							
	12	1	5P-8502	1	PADLOCK GP							
A	1		5P-8500	1	KEY							
A	1		8Y-6364	1	SLEEVE							
	13	1	7W-9156	1	ELBOW AS							
		1	1W-3153	1	ORIFICE							
	14	1	3J-1907	2	SEAL-O-RING (11.89MM ID)							
	15	1	8T-0081	1	VALVE-BALL							
	16	1	5G-4109	1	SCREEN-SUMP							
	17	1	8T-6639	1	VALVE-BALL							
	18	1	8E-4406	1	BRACKET AS							
		1	9F-2978	1	NUT-WELD (3/8-16 THD)							
	19	1	7D-1089	4	CLIP							
	20	1	1S-0994	1	CLIP (20.64MM ID)							
	21	1	8M-2773	1	CLIP (17.46MM ID)							

A-NOT PART OF THIS GROUP

B-USE AS REQUIRED

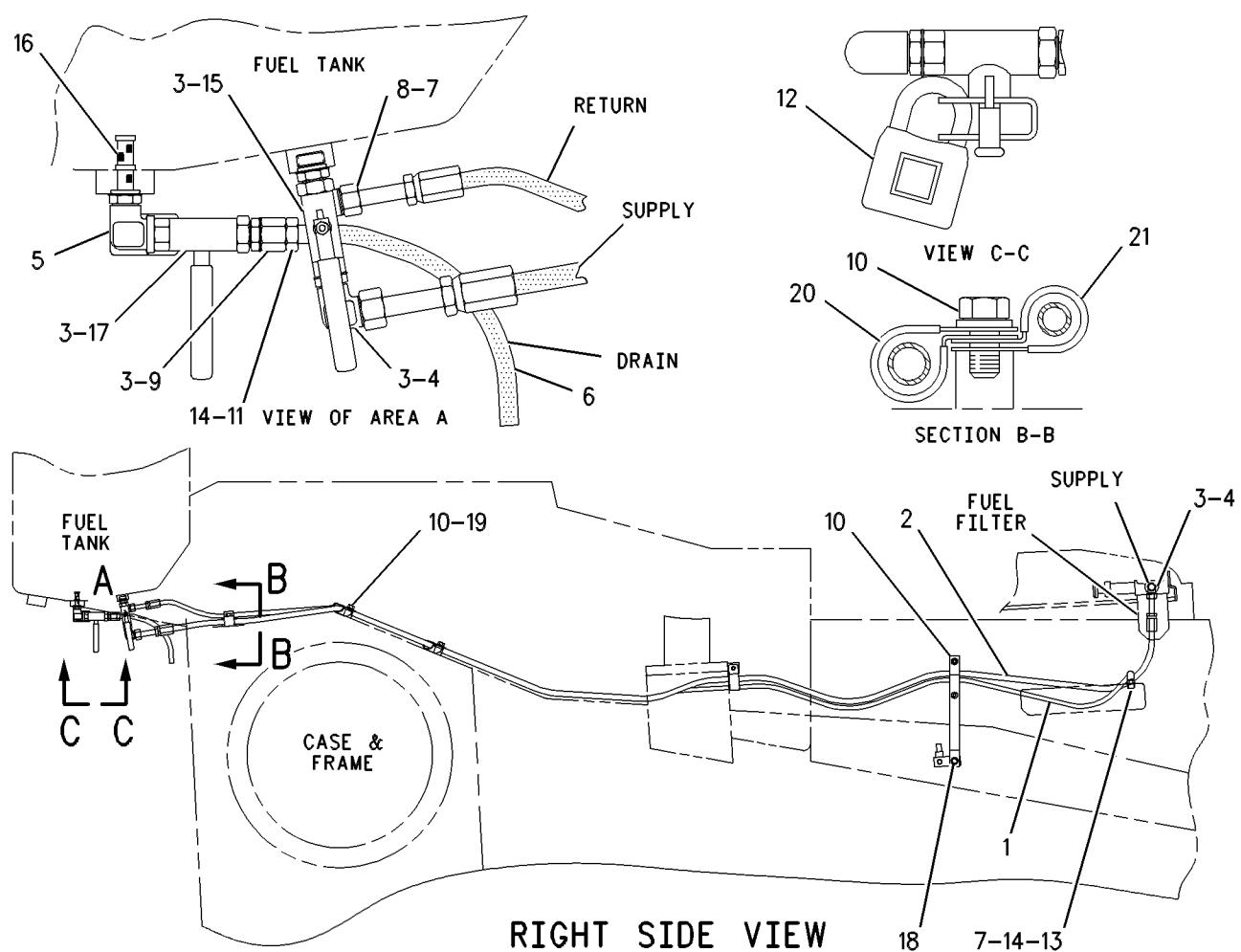
E-ORDER BY THE CENTIMETER

I-SEE HOSE FABRICATION GUIDE

# FUEL SYSTEM

8E-4731 LINES GP-FUEL (contd.)

i01066394



GRAPHIC #1

g00528756

# FUEL SYSTEM

## 8E-4731 LINES GP-FUEL

S/N: 9EM971-UP

SMCS-1274

i01368812

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6	
I	1	1	7T-8614	1	HOSE AS	
C	2	1	183-2353	1	HOSE AS	
	3	1	3K-0360	3	SEAL-O-RING (16.36MM ID)	
	4	1	6V-8625	2	ELBOW-90 DEGREE	
	4A	1	6V-8398	2	SEAL-O-RING (12.47MM ID)	
	4B	1	3K-0360	2	SEAL-O-RING (16.36MM ID)	
	5	1	8T-0119	1	ELBOW-90 DEGREE	
E	6	1	5P-1442		HOSE (50CM)	
	7	1	6V-8397	1	SEAL-O-RING (9.27MM ID)	
	8	1	6V-9200	1	ELBOW-FACE SEAL (90 DEGREES)	
	8A	1	3J-7354	1	SEAL-O-RING (8.92MM ID)	
	8B	1	6V-8397	1	SEAL-O-RING (9.27MM ID)	
	9	1	5P-6944	1	ADAPTER-STRAIGHT THREAD	
	9A	1	3K-0360	1	SEAL-O-RING (16.36MM ID)	
	10	1	5M-3062	6	BOLT (3/8-16X.75 IN)	
		1	8T-4896	6	WASHER-HARD (10.2X18.5X2.5MM THK)	
	11	1	5P-1046	1	CONNECTOR	
	12	1	5P-8502	1	PADLOCK GP	
A	1	5P-8500	1		KEY	
A	1	8Y-6364	1		SLEEVE	
13	1	7W-9156	1		ELBOW AS	
	1	1W-3153	1		ORIFICE	
14	1	3J-1907	2		SEAL-O-RING (11.89MM ID)	
15	1	8T-0081	1		VALVE-BALL	
16	1	5G-4109	1		SCREEN-SUMP (FUEL TANK)	
17	1	8T-6639	1		VALVE-BALL	
18	1	8E-4406	1		BRACKET AS	
	1	9F-2978	1		NUT-WELD (3/8-16 THD)	
19	1	7D-1089	4		CLIP	
C	20	1	1S-0994	2	CLIP (20.64MM ID)	
	21	1	8M-2773	1	CLIP	

A-NOT PART OF THIS GROUP

C-CHANGE FROM PREVIOUS TYPE

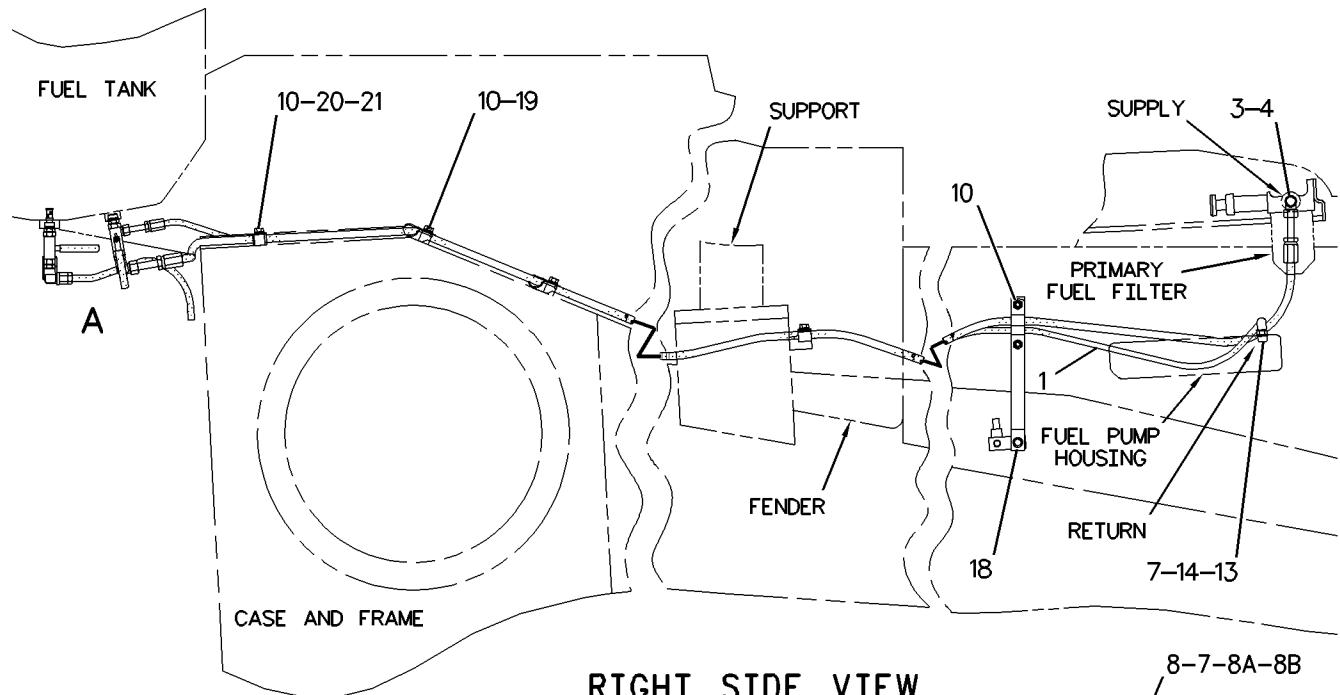
E-ORDER BY THE CENTIMETER

I-SEE HOSE FABRICATION GUIDE

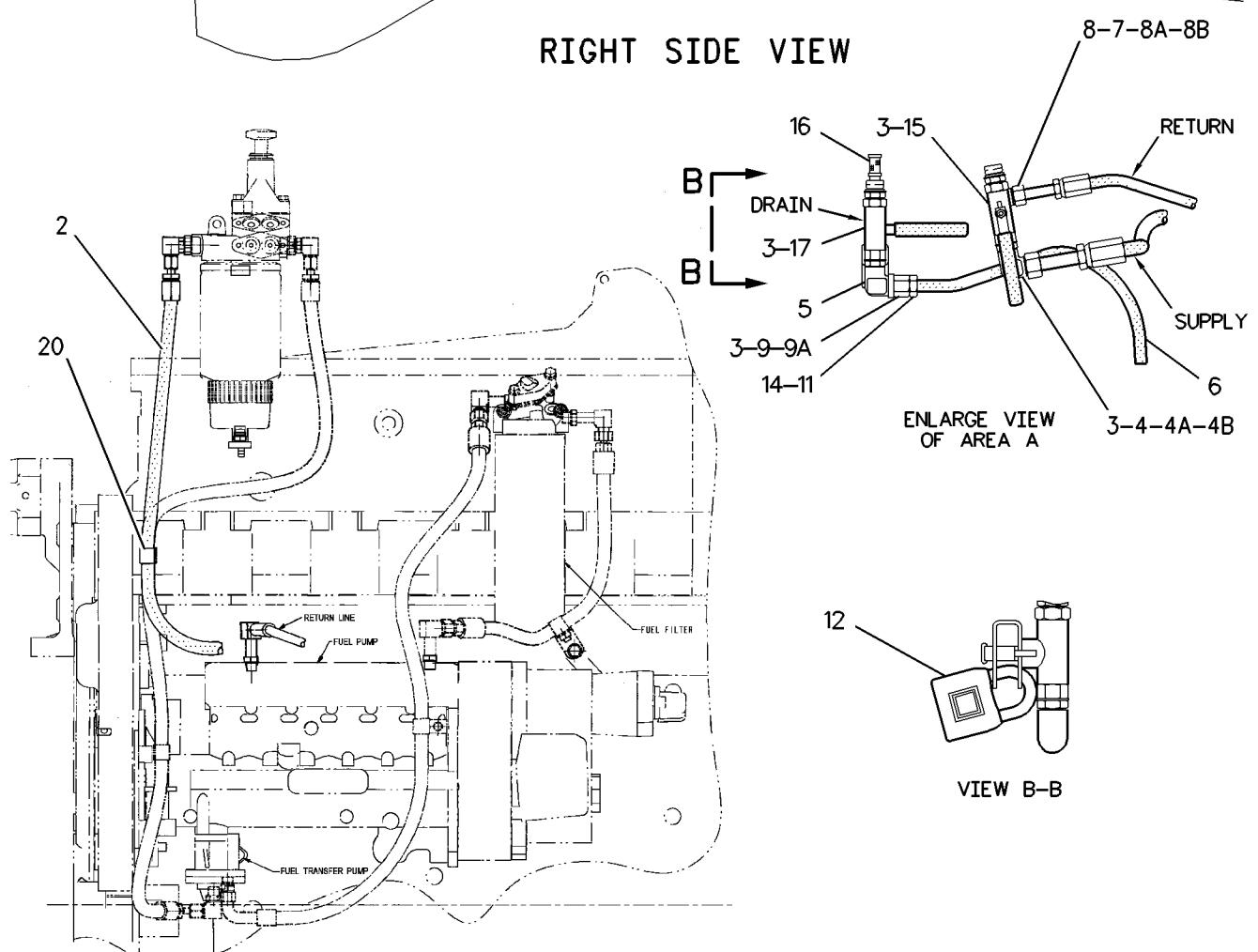
# FUEL SYSTEM

8E-4731 LINES GP-FUEL (contd.)

i01368812



RIGHT SIDE VIEW



LEFT SIDE VIEW OF ENGINE

GRAPHIC #1

g00722190

# FUEL SYSTEM

## 119-9019 LINES GP - FUEL FILTER

S/N: 41Z1-17009

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1261, 1274

i00569687

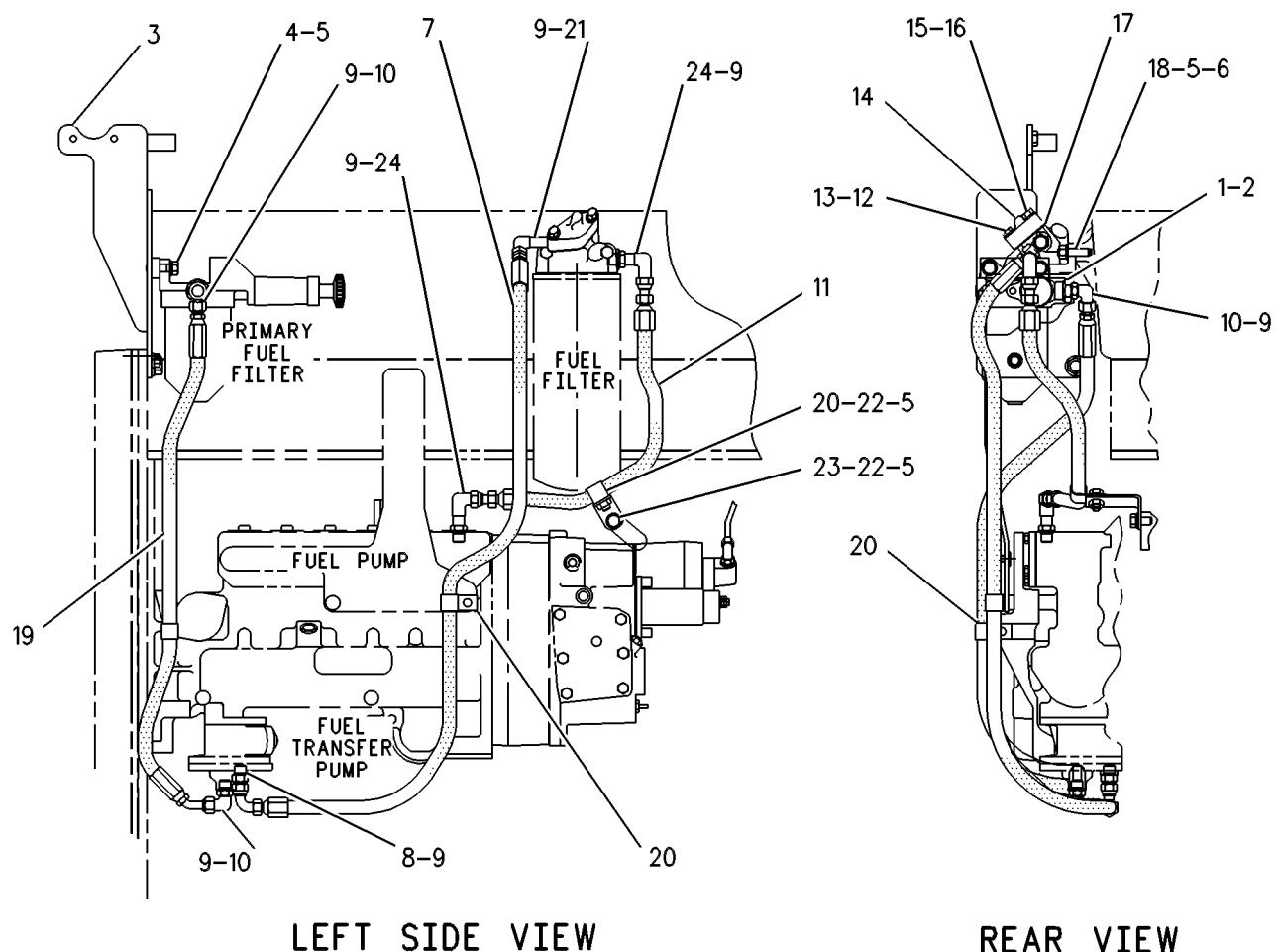
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
	1	1	5P-1404	1	ADAPTER-O-RING							
	2	1	6V-4589	1	SEAL-O-RING (19.18MM ID)							
	3	1	114-2375	1	BRACKET AS							
		1	1F-0750	2	NUT-WELD (3/8-16 THD)							
	4	1	0S-1588	2	BOLT (3/8-16X1.25IN)							
	5	1	5M-2894	6	WASHER (2.5MM THK)							
	6	1	9S-8752	2	NUT-FULL (3/8-16 THD)							
I	7	1	4P-0902	1	HOSE AS							
	8	1	2R-6806	1	CONNECTOR (9/16-18 STR THD)							
	9	1	6V-5049	6	SEAL-O-RING (11.89MM ID)							
	10	1	030-7947	2	ELBOW (9/16-18 STR THD)							
I	11	1	9L-5158	1	HOSE AS-END							
	12	1	7B-2742	1	BOLT (1/4-20X1.25IN)							
	13	1	5P-0537	1	WASHER (2MM THK)							
	14	1	6N-4414	1	COVER-FILTER BASE							
	15	1	1B-2790	1	BOLT (5/16-18X1.375IN)							
	16	1	9M-1974	1	WASHER-HARD (2MM THK)							
	17	1	1P-0436	1	GASKET							
	18	1	2M-4779	2	STUD-TAPERLOCK							
I	19	1	9Y-0028	1	HOSE AS-END							
	20	1	8M-2773	3	CLIP (17.46MM ID)							
	21	1	2P-7214	1	ELBOW							
	22	1	0S-0509	2	BOLT (3/8-16X.75IN)							
	23	1	3W-6180	1	BRACKET AS							
		1	1F-0750	1	NUT-WELD (3/8-16 THD)							
	24	1	030-8156	2	ELBOW							

I - SEE HOSE FABRICATION GUIDE

# FUEL SYSTEM

119-9019 LINES GP - FUEL FILTER (contd.)

i00569687



LEFT SIDE VIEW

REAR VIEW

GRAPHIC #1

g00249405

# FUEL SYSTEM

## 183-2347 LINES GP - FUEL FILTER

S/N: 41Z17010-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1261, 1274

i01365510

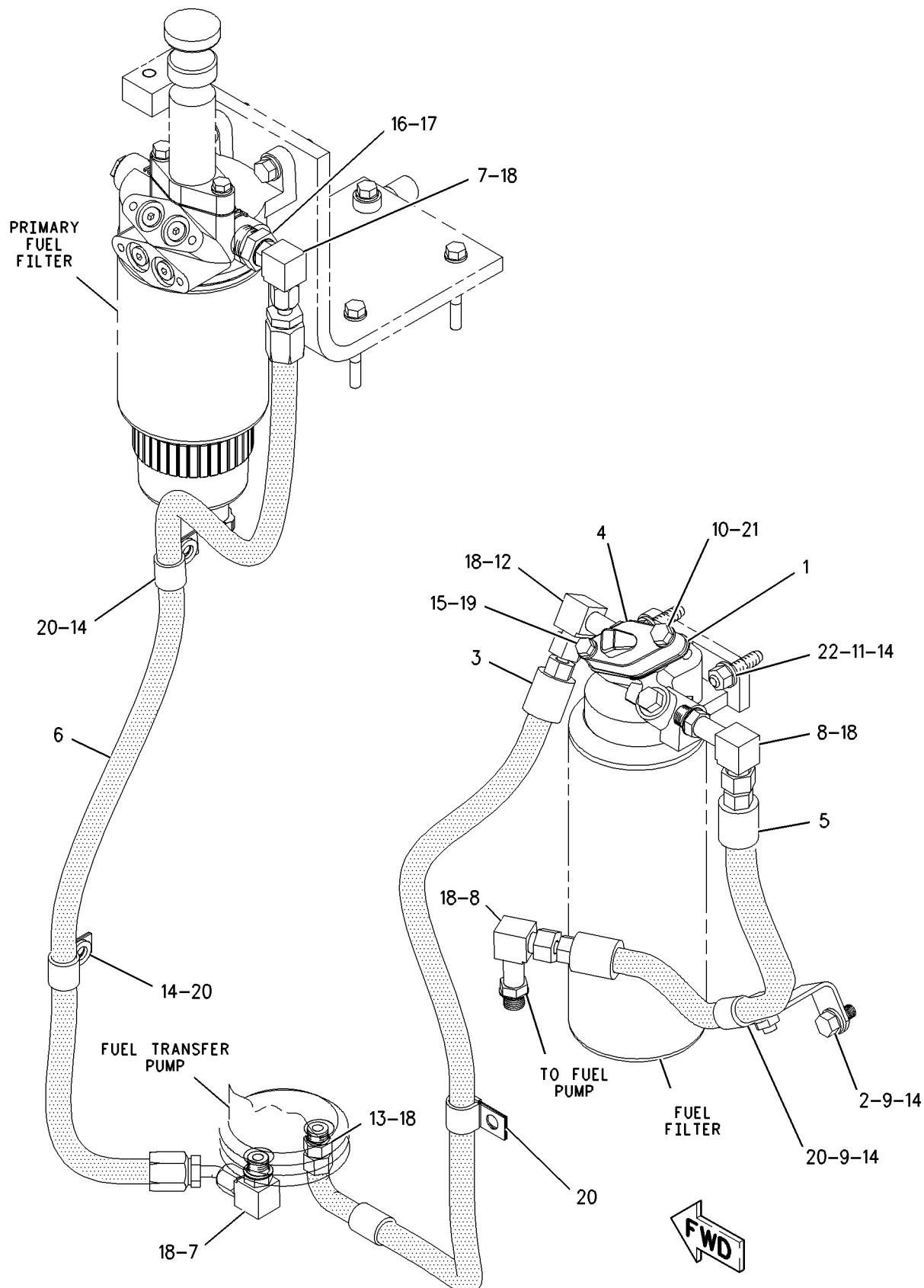
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	1P-0436	1	GASKET (FUEL PRIMING PUMP)	
	2	1	3W-6180	1	BRACKET AS	
		1	1F-0750	1	NUT-WELD (3/8-16 THD)	
I	3	1	4P-0902	1	HOSE AS	
	4	1	6N-4414	1	COVER-FILTER BASE	
I	5	1	9L-5158	1	HOSE AS-END	
I	6	1	193-3176	1	HOSE AS	
	7	1	030-7947	2	ELBOW	
	8	1	030-8156	2	ELBOW	
	9	1	0S-0509	2	BOLT (3/8-16X.75 IN)	
	10	1	1B-2790	1	BOLT (5/16-18X1.375 IN)	
	11	1	2M-4779	2	STUD-TAPERLOCK	
	12	1	2P-7214	1	ELBOW (9/16-18 STR THD)	
	13	1	2R-6806	1	CONNECTOR (9/16-18 STR THD)	
	14	1	5M-2894	7	WASHER-HARD (2.5MM THK)	
	15	1	5P-0537	1	WASHER-HARD (2MM THK)	
	16	1	5P-1404	1	ADAPTER-O-RING (STRAIGHT THREAD)	
	17	1	6V-4589	1	SEAL-O-RING (19.18MM ID)	
	18	1	6V-5049	6	SEAL-O-RING (11.89MM ID)	
	19	1	7B-2742	1	BOLT (1/4-20X1.25 IN)	
	20	1	8M-2773	4	CLIP	
	21	1	9M-1974	1	WASHER-HARD (2MM THK)	
	22	1	9S-8752	2	NUT-FULL (3/8-16 THD)	

I- SEE HOSE FABRICATION GUIDE

# FUEL SYSTEM

183-2347 LINES GP-FUEL FILTER (contd.)

i01365510



GRAPHIC #1

g00722145

# FUEL SYSTEM

## 4P-9658 LINES GP-FUEL INJECTION

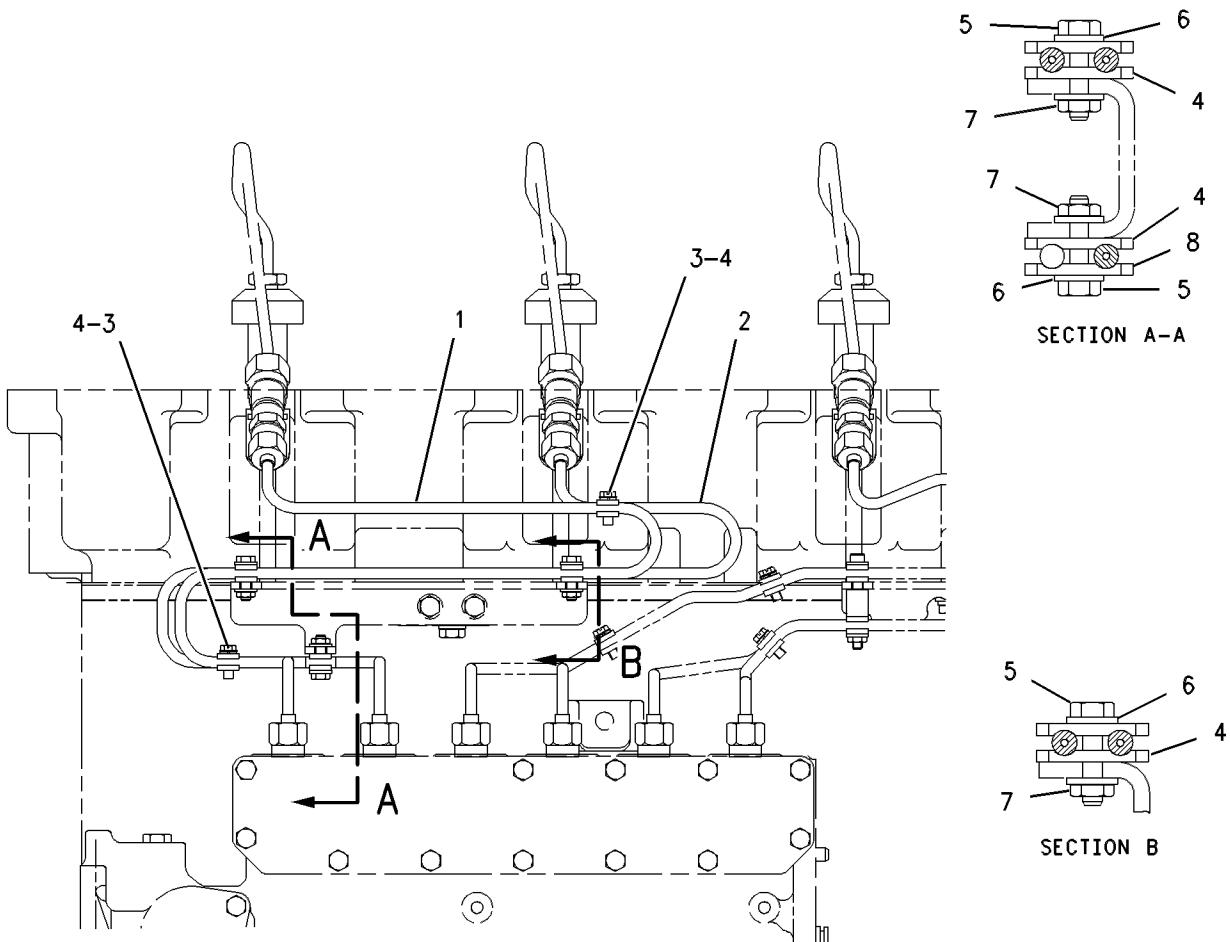
S/N: 41Z1-UP

PART OF 111-0272, 163-8025 LINES GP-FUEL INJECTION  
ALSO AN ATTACHMENT

SMCS-1252, 1254

i01427790

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		4P-9661	1	LINE AS-FUEL INJECTION							
2	1		4P-9662	1	LINE AS-FUEL INJECTION							
3	1		1W-9169	2	CLAMP (TAPPED)							
	1		5P-4939	2	SCREW-MACHINE (5/16-10X0.625 IN)							
4	1		1W-9168	7	CLAMP (UNTAPPED)							
5	1		7M-9831	3	SCREW-MACHINE							
6	1		6V-7699	6	WASHER-HARD (5.5X13X1.6MM THK)							
7	1		4B-2047	3	NUT (10-24 THD)							
8	1		1W-9167	1	CLAMP AS-FUEL LINE							



GRAPHIC #1

g00613341

# FUEL SYSTEM

## 4P-9659 LINES GP-FUEL INJECTION

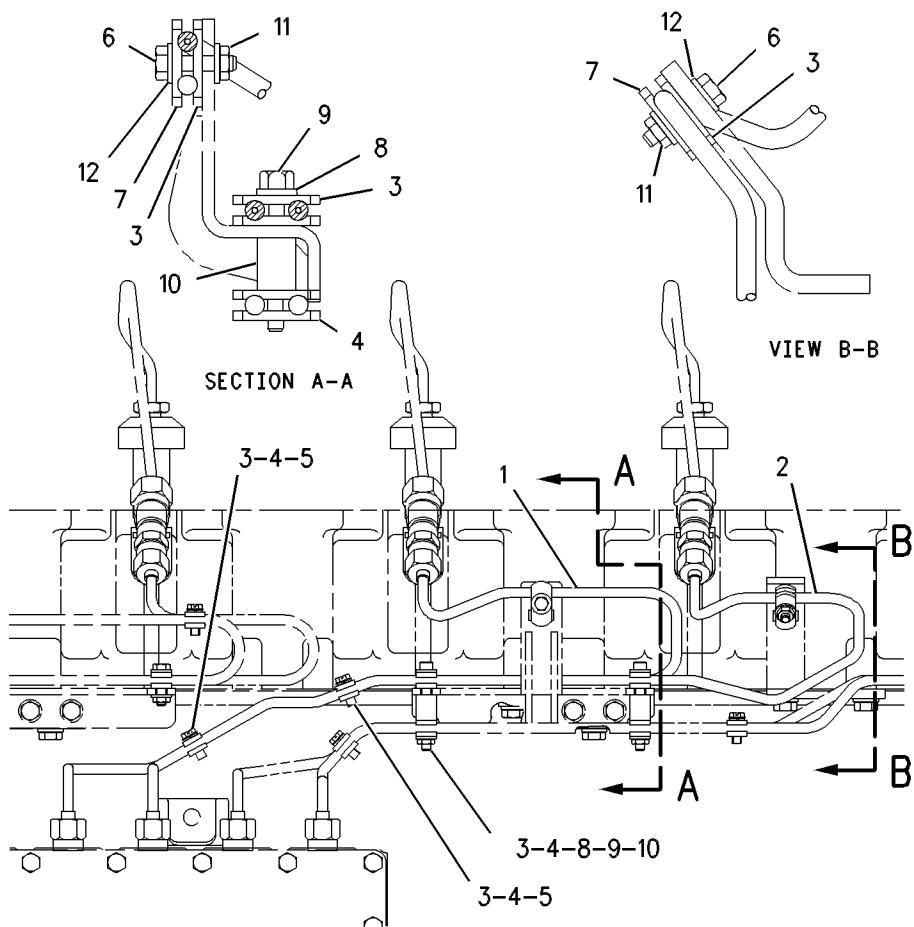
S/N: 41Z1-UP

PART OF 111-0272, 163-8025 LINES GP-FUEL INJECTION  
ALSO AN ATTACHMENT

SMCS-1252, 1254

i01408287

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
1	1		191-7943	1	LINE AS-FUEL INJECTION							
2	1		191-7944	1	LINE AS-FUEL INJECTION							
3	1		1W-9168	8	CLAMP (UNTAPPED)							
4	1		1W-9169	4	CLAMP (TAPPED)							
5	1		5P-4939	2	SCREW-MACHINE (5/16-10X0.625 IN)							
6	1		7M-9910	2	SCREW-MACHINE							
7	1		1W-9167	2	CLAMP AS-FUEL LINE							
8	1		4B-4274	2	WASHER (5.5X13X1.2MM THK)							
9	1		104-3038	2	SCREW-MACHINE							
10	1		144-3517	2	CLAMP AS							
11	1		4B-2047	2	NUT (10-24 THD)							
12	1		6V-7699	4	WASHER-HARD (5.5X13X1.6MM THK)							



GRAPHIC #1

g00604629

# FUEL SYSTEM

## 4P-9660 LINES GP-FUEL INJECTION

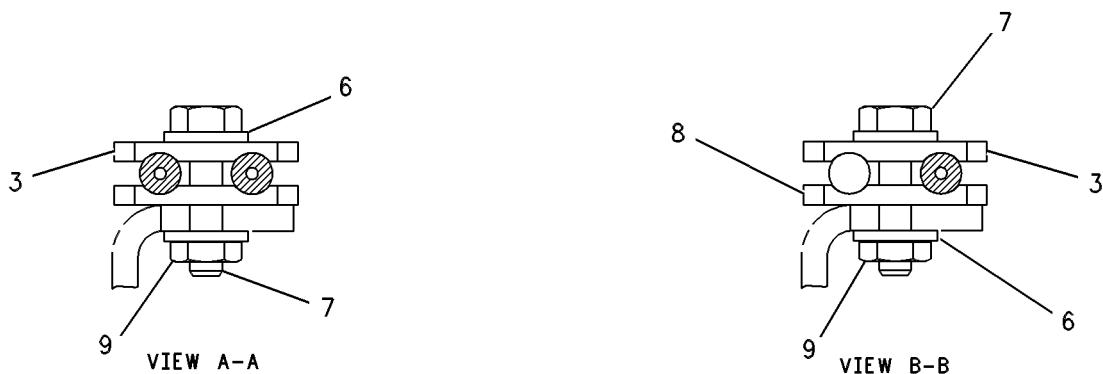
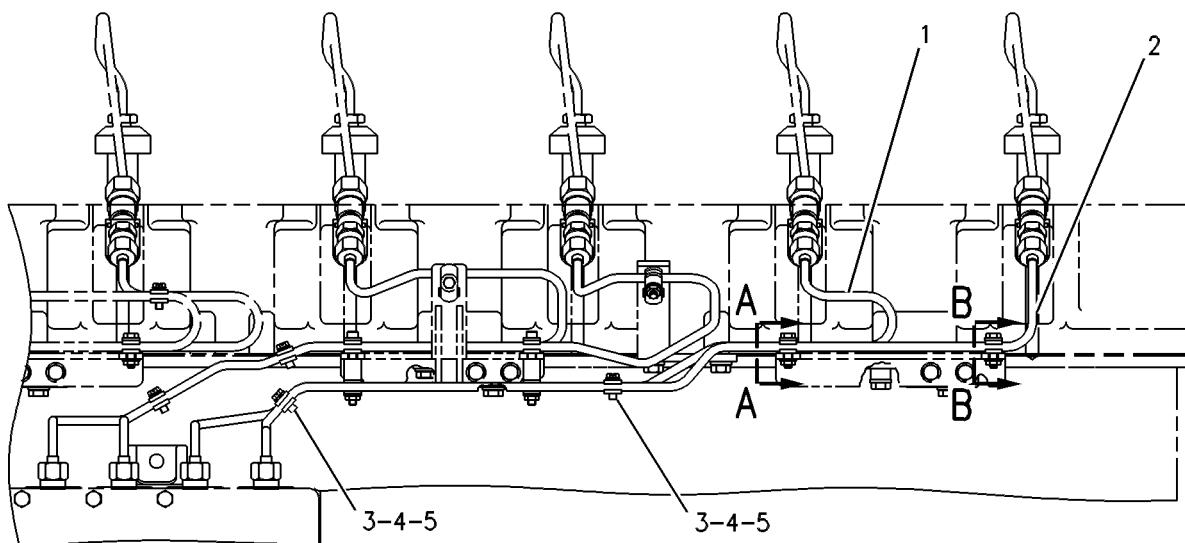
S/N: 41Z1-UP

PART OF 111-0272, 163-8025 LINES GP-FUEL INJECTION  
ALSO AN ATTACHMENT

SMCS-1252, 1254

i01408201

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		191-7945	1	LINE AS-FUEL INJECTION							
2	1		191-7946	1	LINE AS-FUEL INJECTION							
3	1		1W-9168	5	CLAMP (UNTAPPED)							
4	1		1W-9169	2	CLAMP (TAPPED)							
5	1		5P-4939	2	SCREW-MACHINE (5/16-10X0.625 IN)							
6	1		6V-7699	4	WASHER-HARD (5.5X13X1.6MM THK)							
7	1		7M-9831	2	SCREW-MACHINE							
8	1		1W-9167	1	CLAMP AS-FUEL LINE							
9	1		4B-2047	2	NUT (10-24 THD)							



GRAPHIC #1

g00286206

# FUEL SYSTEM

## 111-0272 LINES GP - FUEL INJECTION

S/N: 41Z1-12894

PART OF 105-9697, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1252, 1254

i00570603

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
Y	1	1	4P-9658	1	LINES GP-FUEL INJECTION	256
Y	2	1	4P-9659	1	LINES GP-FUEL INJECTION	257
Y	3	1	4P-9660	1	LINES GP-FUEL INJECTION	258
	4	1	<b>4P-1396</b>	6	ADAPTER AS (EACH INCLUDES)	
	5	1	<b>8M-4437</b>	1	SEAL-O-RING	
R	6	1	<b>100-7562</b>	6	NOZZLE AS (EACH INCLUDES)	
	7	1	<b>9L-9098</b>	1	SEAL-CARBON STOP (3/8 IN OD)	
	8	1	<b>7W-4482</b>	1	WASHER (9.76MM ID)	
M	9	1	<b>9X-2836</b>	1	SCREW-BUTTON HEAD	
		1	<b>114-3364</b>	1	WASHER (SEALING)	
	10	1	<b>7W-2315</b>	6	RETAINER	
	11	1	<b>8H-9204</b>	6	WASHER-FELT	
	12	1	<b>9L-9814</b>	6	LOCKNUT	
	13	1	<b>141-2676</b>	1	BRACKET AS	
	14	1	<b>7C-9198</b>	3	BLOCK	
	15	1	<b>0S-1617</b>	2	BOLT (5/16-18X.75IN)	
	16	1	<b>141-2672</b>	2	BRACKET	
	17	1	<b>0S-1615</b>	6	BOLT (1/4-20X.75IN)	
		1	<b>5P-0537</b>	6	WASHER (2MM THK)	
	18	1	<b>1A-9579</b>	3	BOLT (5/16-18X1.5IN)	
	19	1	<b>0S-1618</b>	2	BOLT (5/16X18X1IN)	
	20	1	<b>9M-1974</b>	8	WASHER-HARD (2MM THK)	
	21	1	<b>054-4984</b>	1	SPACER	
	22	1	<b>7C-3427</b>	6	LINE AS-FUEL INJ (EACH INCLUDES)	
		1	<b>1H-1023</b>	1	SEAL-O-RING (9.25MM ID)	
	23	1	<b>1B-2790</b>	1	BOLT (5/16-18X1.375IN)	
	24	1	<b>141-2674</b>	1	BRACKET	
	25	1	<b>141-2675</b>	1	BRACKET	

M-METRIC PART

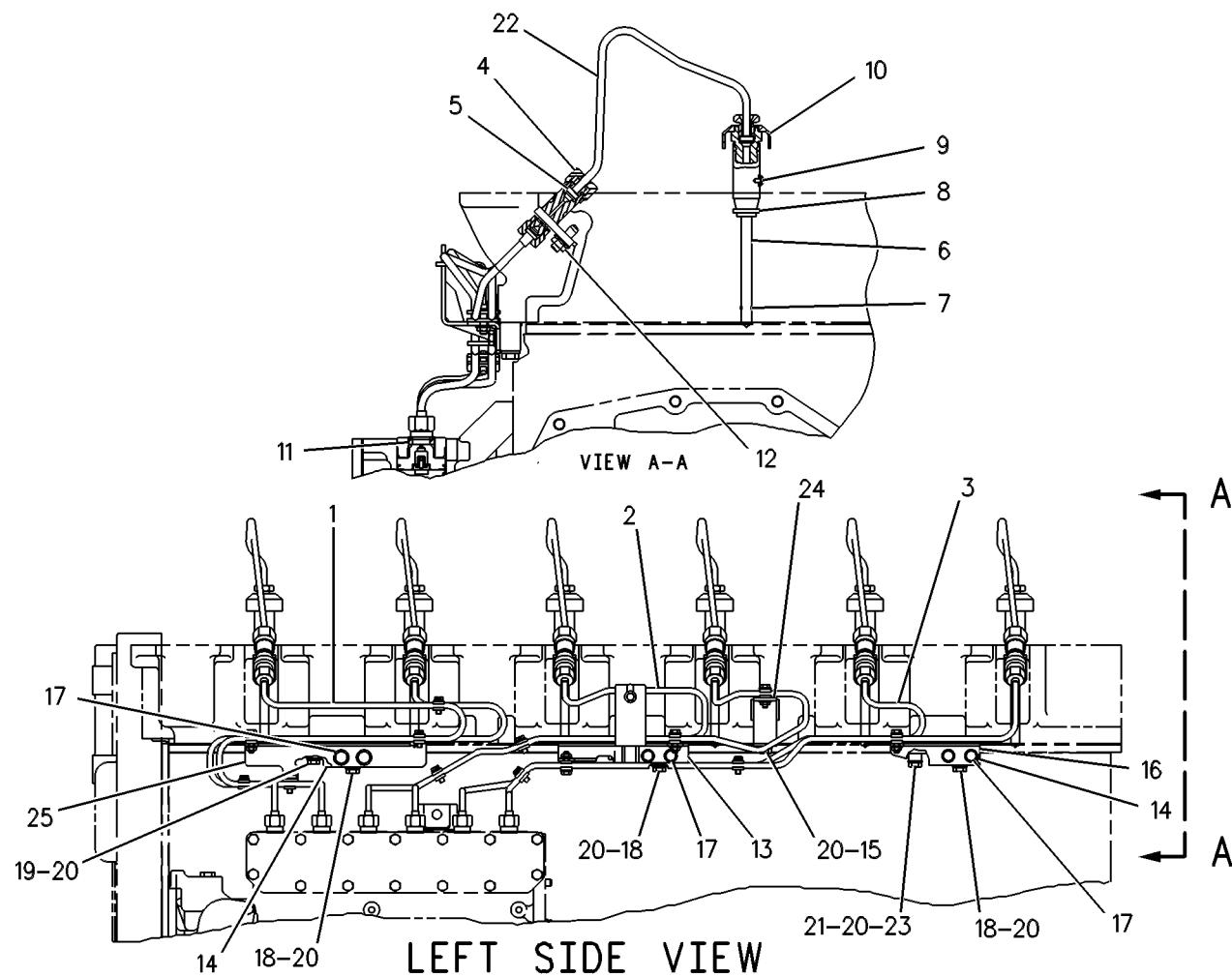
R-REMFG PART MAY BE AVAILABLE

Y-SEPARATE ILLUSTRATION

# FUEL SYSTEM

111-0272 LINES GP - FUEL INJECTION (contd.)

i00570603



GRAPHIC #1

g00277248

# FUEL SYSTEM

## 163-8025 LINES GP - FUEL INJECTION

S/N: 41Z12895-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1252, 1254

i01057334

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
Y	1	1	4P-9658	1	LINES GP - FUEL INJECTION	256
Y	2	1	4P-9659	1	LINES GP - FUEL INJECTION	257
Y	3	1	4P-9660	1	LINES GP - FUEL INJECTION	258
	4	1	<b>4P-1396</b>	6	ADAPTER AS (EACH INCLUDES)	
		1	<b>117-1385</b>	1	SEAL-O-RING (13.94MM ID)	
	5	1	<b>129-1351</b>	6	NOZZLE AS - FUEL VALVE	
		1	<b>7W-4487</b>	1	WASHER (9.76MM ID)	
		1	<b>9L-9098</b>	1	SEAL-CARBON STOP (3/8 IN OD)	
M	1	<b>9X-2836</b>	1		SCREW-BUTTON HEAD	
		1	<b>114-3364</b>	1	WASHER (SEALING)	
6	1	<b>7C-3427</b>	6		LINE AS-FUEL INJ (EACH INCLUDES)	
		1	<b>8L-2779</b>	1	SEAL-O-RING (9.25MM ID)	
7	1	<b>7W-2315</b>	6		RETAINER	
8	1	<b>9L-9814</b>	6		LOCKNUT (5/16-18 THD)	
9	1	<b>8H-9204</b>	6		WASHER-FELT	
10	1	<b>7C-9198</b>	3		BLOCK	
11	1	<b>0S-1615</b>	6		BOLT (1/4X.75 IN)	
12	1	<b>5P-0537</b>	6		WASHER (2MM THK)	
13	1	<b>1A-9579</b>	3		BOLT (5/16-18X1.5IN)	
14	1	<b>9M-1974</b>	8		WASHER-HARD (2MM THK)	
15	1	<b>0S-1618</b>	2		BOLT (5/16-18X1.0IN)	
16	1	<b>054-4984</b>	1		SPACER	
17	1	<b>1B-2790</b>	1		BOLT (5/16-18X1.375IN)	
18	1	<b>0S-1617</b>	2		BOLT (5/16-18X.75IN)	
19	1	<b>141-2675</b>	1		BRACKET	
20	1	<b>141-2676</b>	1		BRACKET AS	
21	1	<b>141-2674</b>	1		BRACKET	
22	1	<b>141-2672</b>	1		BRACKET	

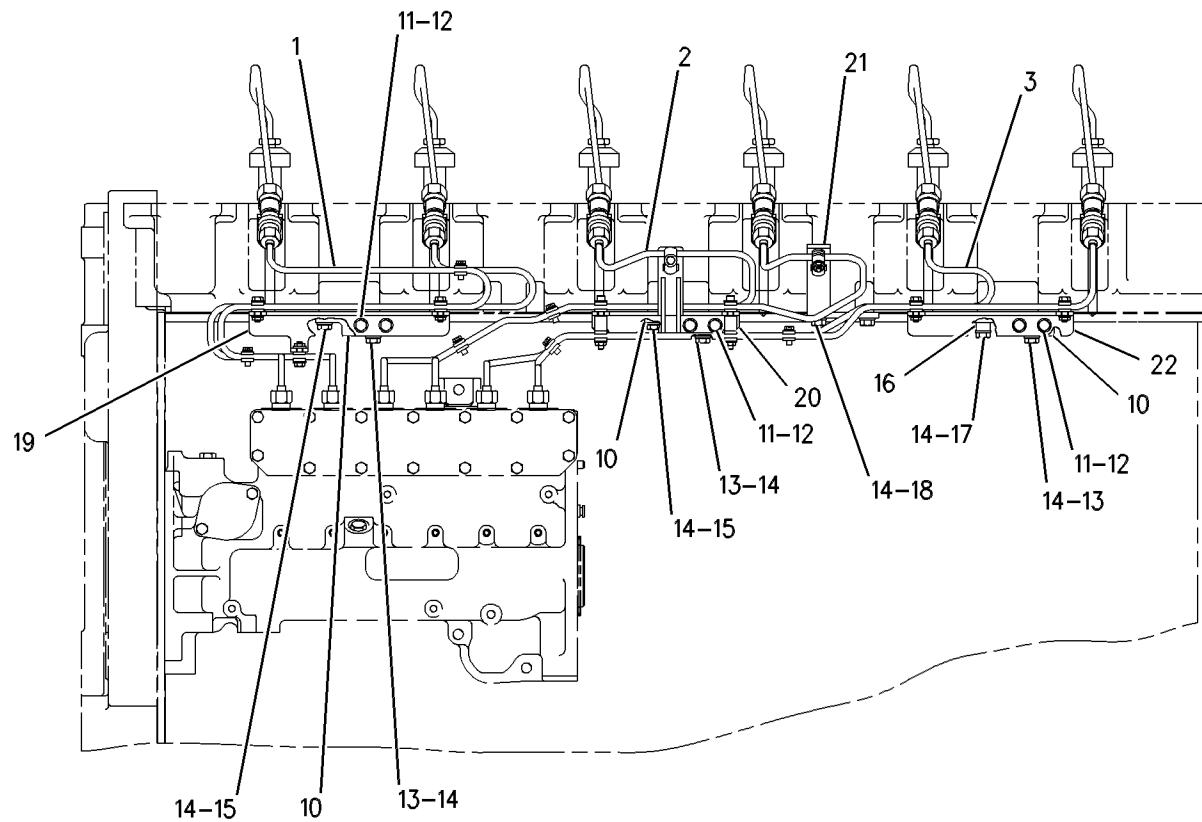
M-METRIC PART

Y-SEPARATE ILLUSTRATION

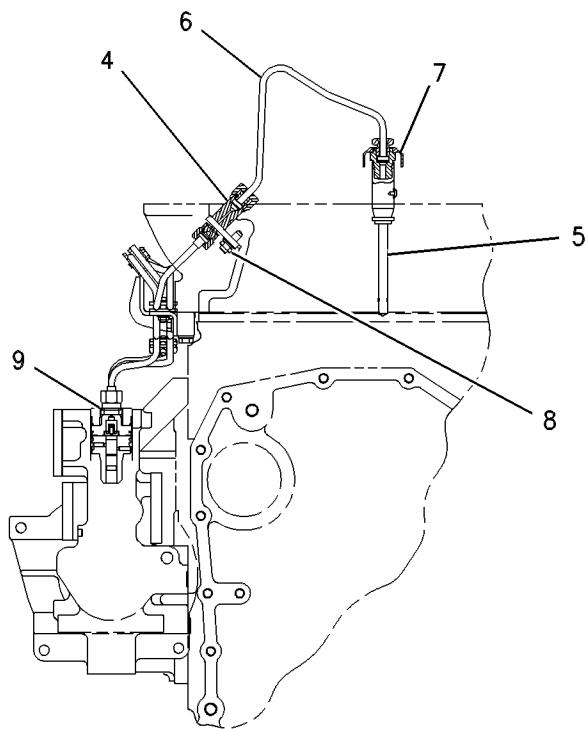
# FUEL SYSTEM

163-8025 LINES GP-FUEL INJECTION (contd.)

i01057334



LEFT SIDE VIEW



REAR VIEW

GRAPHIC #1

g00506498

# FUEL SYSTEM

## 7W-3935 LINES GP - FUEL RATIO CONTROL

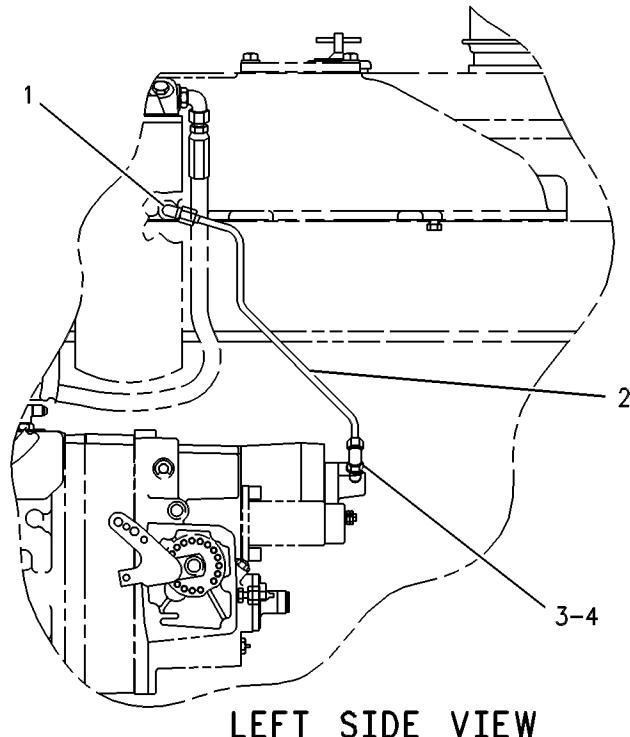
S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1278

i00149003

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		2N-1287	1	ELBOW- FLARED						
2	1		123-2886	1	TUBE AS						
3	1		030-7946	1	ELBOW (7/16-20 STR THD)						
4	1		3J-7354	1	SEAL-O-RING (8.92MM ID)						



GRAPHIC #1

g00108868

# FUEL SYSTEM

## 128-7985 PROTECTION GP-FUEL SYSTEM

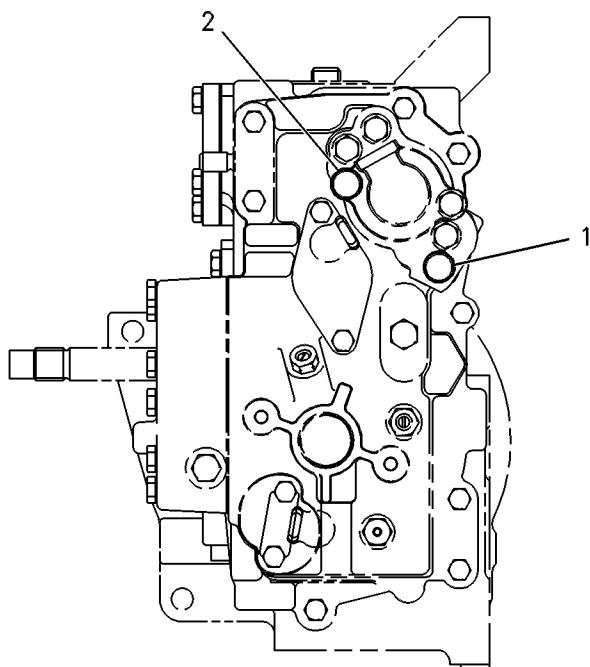
S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1251, 1264

i00139386

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE			
					1	2	3	4	5	6
1	1		128-7796	1	BOLT-TAMPERPROOF (95.25MM)					
2	1		128-7794	1	BOLT-TAMPERPROOF (28.58MM)					



GRAPHIC #1

g00109196

# FUEL SYSTEM

## 2W-4381 PUMP & MTG GP-FUEL TRANSFER

S/N: 41Z1-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

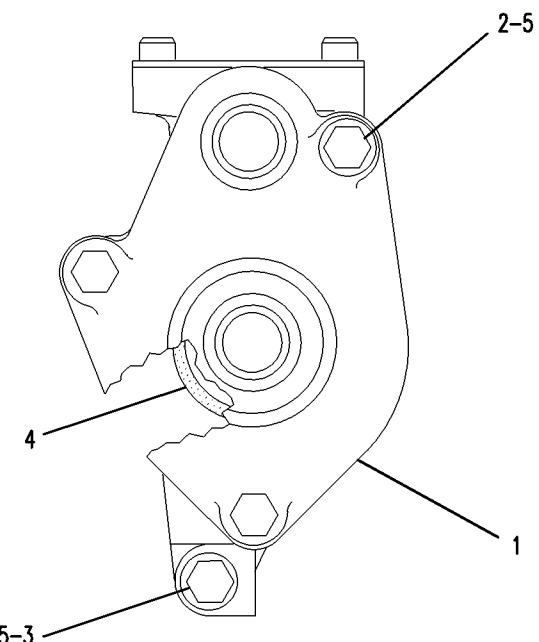
SMCS-1255, 1256

i00142516

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
YR	1	1	1W-1700	1	PUMP GP-FUEL TRANSFER						274
	2	1	4B-9365	1	BOLT (1/4-20X3IN)						
	3	1	0S-1615	1	BOLT (1/4-20X.75IN)						
	4	1	4J-8997	1	SEAL (28.17MM ID)						
	5	1	5P-0537	2	WASHER (2MM THK)						

R - REMFG PART MAY BE AVAILABLE

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

g00108359

# **MEMORANDA**

# FUEL SYSTEM

## 104-4409 PUMP GP-FUEL INJECTION

S/N: 41Z1-UP

PART OF 104-4407, 137-1607 PUMP GP-GOV & FUEL INJ  
ALSO AN ATTACHMENT

SMCS-1251, 1253, 1272, 1281, 1290, 1292, 1299

i00569755

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		7E-5887	1	HOUSING AS-FUEL PUMP	
2	1		4F-2099	1	DOWEL	
3	1		1S-1953	1	BEARING-RACK	
4	1		7E-6002	1	BEARING-SLEEVE	
5	1		7E-6003	1	BEARING-SLEEVE	
6	1		7E-6004	1	BEARING-SLEEVE	
7	1		4P-7045	6	DOWEL	
8	1		1W-3285	1	BEARING-RACK	
9	1		4P-8480	6	PIN-PUMP GUIDE	
10	1		1W-5785	1	COVER	
11	1		8N-9367	1	RACK-REGULATOR	
12	1		9S-8001	1	PLUG-O-RING (5/16-24 THD)	
13	1		109-9685	1	SEAL-O-RING	
14	1		8E-5237	2	RACE-THRUST	
15	1		7L-3326	1	BEARING-THRUST	
16	1		9N-1545	2	RACE-THRUST	
17	1		3S-8022	1	BEARING-THRUST	
18	1		4P-2948	1	RING-GUIDE	
19	1		107-5952	1	CAMSHAFT-FUEL PUMP	
20	1		8N-9371	1	COVER	
21	1		4F-7957	4	BOLT (1/4-20X.875IN)	
22	1		8J-4351	2	SEAL-O-RING (44.04MM ID)	
23	1		113-7794	6	BUSHING	
24	1		3J-7354	2	SEAL-O-RING (8.92MM ID)	
25	1		144-0482	1	GASKET	
26	1		7W-0683	1	COVER-GALLERY	
27	1		0S-1615	14	BOLT (1/4-20X.75IN)	
28	1		9S-4182	2	PLUG (7/16-20 THD)	
29	1		131-3719	6	SEAL-O-RING	
CY	30	1	108-6633	6	PUMP GP-FUEL INJECTION	270
	31	1	109-3206	1	SEAL-O-RING (10.52MM ID)	
	32	1	9S-8003	1	PLUG-O-RING (1/2-20 THD)	
	33	1	5P-7813	2	SEAL-O-RING (7.65MM ID)	
	34	1	9S-8007	2	PLUG-O-RING (3/8-24 THD)	
	35	1	7E-6011	6	LIFTER AS	
	36	1	7E-9907	6	SPACER-FUEL PUMP TIMING	

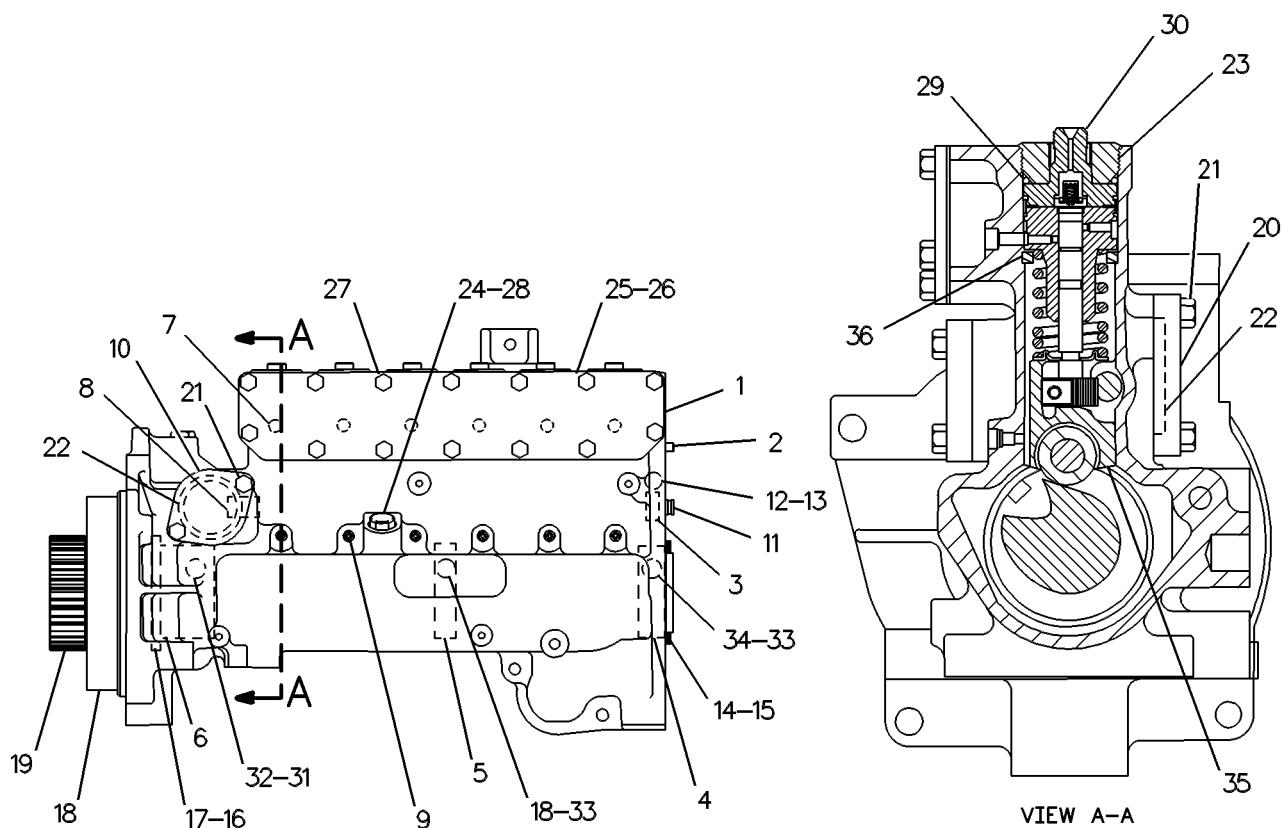
C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION

# FUEL SYSTEM

104-4409 PUMP GP-FUEL INJECTION (*contd.*)

i00569755



GRAPHIC #1

g00108905

# FUEL SYSTEM

## 108-6633 PUMP GP - FUEL INJECTION

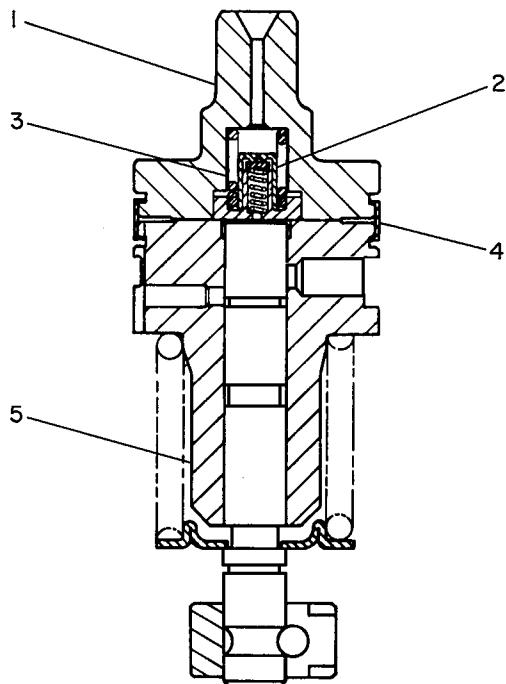
S/N: 41Z1-UP

PART OF 104-4409 PUMP GP-FUEL INJECTION  
ALSO AN ATTACHMENT

SMCS-1251, 1253, 1272, 1281, 1290, 1292, 1299

i00976299

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		108-2102	1	BONNET-VALVE						
2	1		4P-7688	1	VALVE AS-CHECK						
3	1		8N-5993	1	SPRING-FLOW CHECK						
4	1		108-2104	1	PLUNGER & BARREL AS						
5	1		1N-3257	1	RING-RETAINER						



GRAPHIC #1

g00108418

# FUEL SYSTEM

## 8N-6200 PUMP GP - FUEL PRIMING

S/N: 41Z1-17009

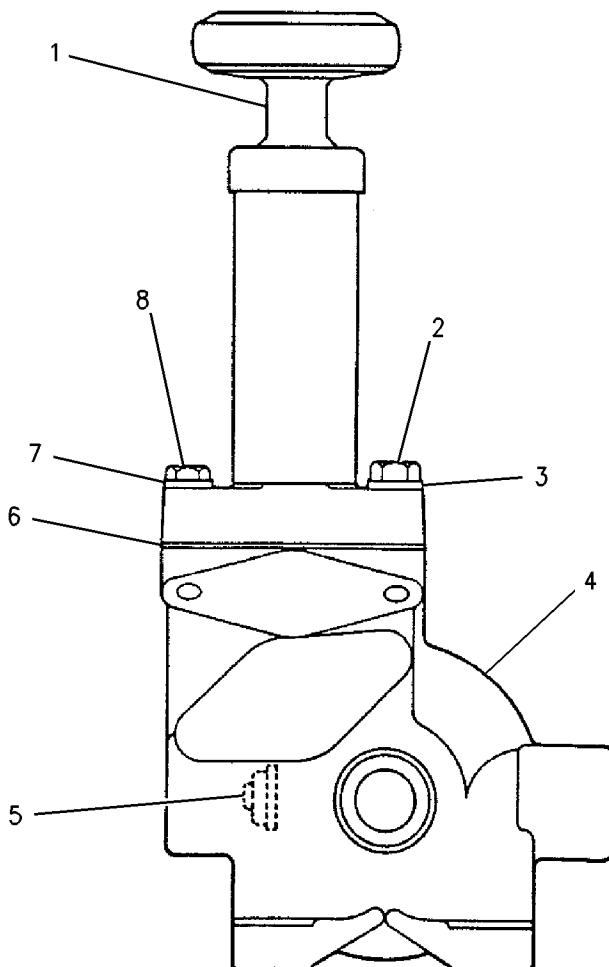
SUPPORT

PART OF 8N-6201 PUMP GP - FUEL PRM & PRIM FILTER  
ALSO AN ATTACHMENT

SMCS-1258

i01632850

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		105-2508	1	PUMP AS-FUEL PRIMING						
2	1		1B-7182	1	BOLT (5/16-18X1.25 IN)						
3	1		9M-1974	1	WASHER-HARD (8.8X16X2MM THK)						
4	1		2W-6688	1	BASE AS-FUEL FILTER						
	1		8N-6199	1	BASE-PUMP & FILTER						
5	1		7E-5346	1	VALVE AS						
6	1		1P-0436	1	GASKET (FUEL PRIMING PUMP)						
7	1		5P-0537	1	WASHER-HARD (7.2X14.5X2MM THK)						
8	1		7B-2742	1	BOLT (1/4-20X1.25 IN)						



GRAPHIC #1

g00647693

# FUEL SYSTEM

## 8N-6201 PUMP GP - FUEL PRM & PRIM FILTER

S/N: 41Z1-17009

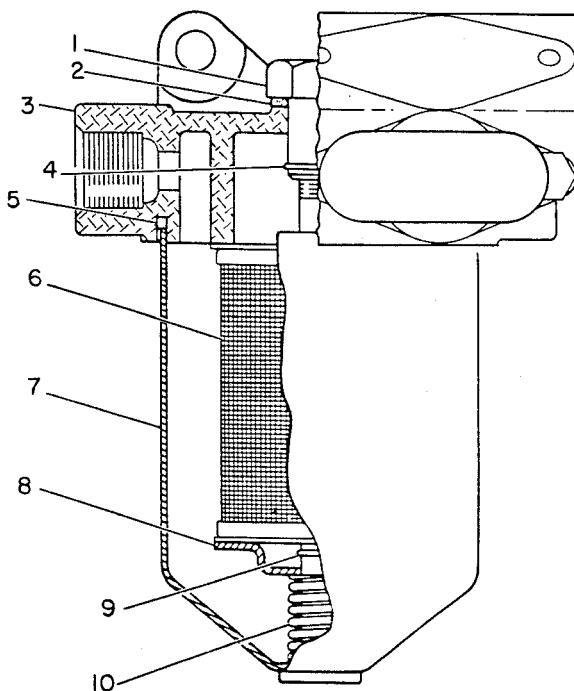
PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1258, 1260, 1261

i00152203

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		8H-2807	1	NUT						
2	1		2J-0157	1	SEAL-O-RING (15.47MM ID)						
Y	3	1	8N-6200	1	PUMP GP-FUEL PRIMING						271
4	1		1L-3769	1	RING-RETAINING						
5	1		8H-2778	1	GASKET (PRIM FUEL FILT)						
6	1		9M-2341	1	ELEMENT AS-FUEL FILTER (PRIMARY)						
7	1		8H-2810	1	CASE AS-FILTER						
8	1		7H-9678	1	RETAINER-ELEMENT						
9	1		2H-3429	1	RING-RETAINING						
10	1		7S-9323	1	SPRING						

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00108197

# FUEL SYSTEM

## 183-2341 PUMP GP-FUEL PRM & PRIM FILTER

S/N: 41Z17010-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

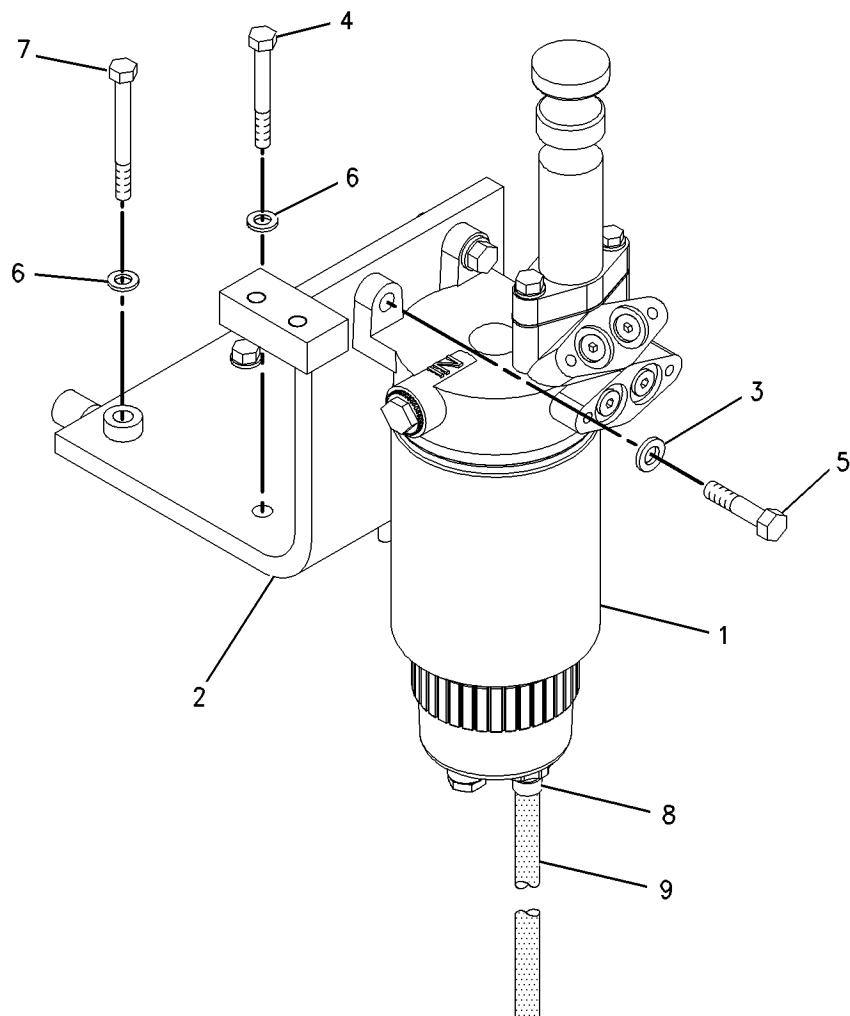
SMCS-1258, 1260, 1261

i01499061

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
Y	1	1	183-2344	1	FILTER GP-WATER SEP & FUEL							240
	2	1	183-2350	1	BRACKET AS							
		1	1F-0750	2	NUT-WELD (3/8-16 THD)							
	3	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5MM THK)							
	4	1	5P-2955	3	BOLT (5/16-18X2.50 IN)							
	5	1	7X-0288	2	BOLT (3/8-16X1.625 IN)							
	6	1	9M-1974	4	WASHER-HARD (8.8X16X2MM THK)							
	7	1	4M-6424	1	BOLT (5/16-18X3 IN)							
	8	1	1P-4278	1	CLAMP-HOSE							
D	9	1	5P-5991		HOSE (0.67M)							

D-ORDER BY THE METER

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00778151

# FUEL SYSTEM

## 1W-1700 PUMP GP-FUEL TRANSFER

S/N: 41Z1-UP

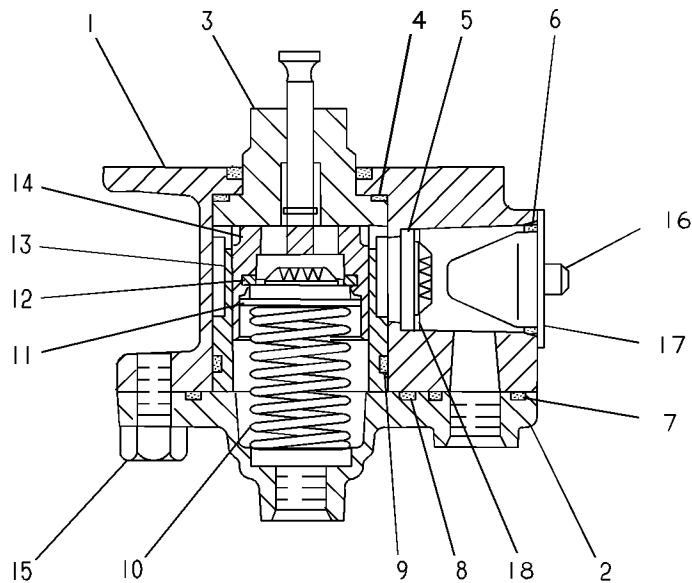
PART OF 2W-4381 PUMP & MTG GP-FUEL TRANSFER  
ALSO AN ATTACHMENT

SMCS-1255, 1256

i00139479

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	1W-1698	1	HOUSING-TRANSFER PUMP	
	2	1	1W-1699	1	COVER	
	3	1	1W-5910	1	GUIDE & TAPPET AS	
	4	1	6J-2419	1	SEAL-O-RING (36.17MM ID)	
C	5	1	7E-2464	3	VALVE AS	
	6	1	3D-2824	1	SEAL-O-RING (23.47MM ID)	
	7	1	6F-6672	1	SEAL-O-RING (17.12MM ID)	
	8	1	3D-2898	1	SEAL-O-RING	
	9	1	5P-8215	1	SEAL-O-RING (39.34MM ID)	
	10	1	7W-0134	1	SPRING-PUMP	
	11	1	8N-2637	1	WASHER	
C	12	1	7E-3667	1	SPACER	
	13	1	8N-2641	1	SLEEVE	
	14	1	1W-1669	1	PISTON	
	15	1	0S-1615	2	BOLT (1/4-20X.75IN)	
	16	1	6D-8498	2	SCREW-HEAD	
	17	1	8N-2640	1	COVER	
C	18	1	7E-4656	1	RETAINER	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

g00108421

# FUEL SYSTEM

## 104-4407 PUMP GP-GOV & FUEL INJ

S/N: 41Z1-2703

PART OF 105-9697 ENGINE AR

SMCS-1251, 1253, 1255, 1256, 1264, 1272, 1281, 1286,  
1287, 1289, 1292, 1299, 1908

i01680384

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6	
Y	1	1	104-4409	1	PUMP GP-FUEL INJECTION	268
	2	1	5P-6620	1	SEAL-O-RING	
		1	2D-6392	1	SEAL-O-RING	
		1	8N-6680	1	SCREEN AS	
3	1		8N-9594	1	SPRING-GOVERNOR	
4	1		5H-6552	1	SETSCREW-SOCKET (31.75MM LG)	
		1	8L-5832	1	NUT-HEX (10-32 THD)	
	5	1	8N-9382	1	GASKET	
CY	6	1	124-5658	1	CONTROL GP-FUEL RATIO	228
	7	1	2W-5448	1	COVER	
		1	7E-6785	1	GASKET	
Y	8	1	2W-8628	1	TORQUE CONTROL GP	288
Y	9	1	7C-4797	1	GOVERNOR GP	242
Y	10	1	9Y-4913	1	FASTENER GP-FUEL INJ PUMP	236
	11	1	8N-3094	1	SPRING-DETENT	
	12	1	033-5879	1	SEAL-O-RING	
	13	1	8J-8343	1	SEAL-O-RING	
	14	1	8M-8515	1	SEAL-O-RING	

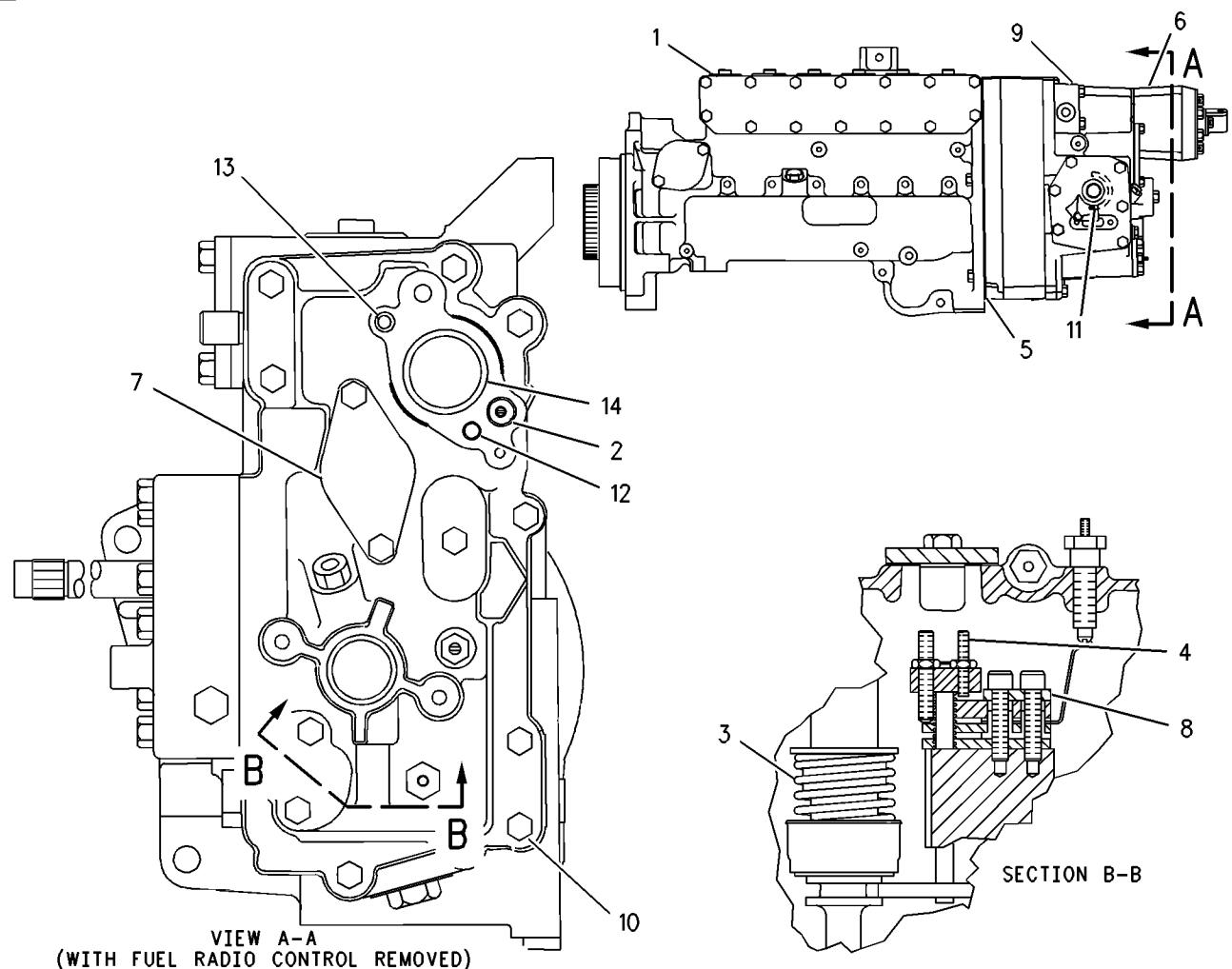
C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION

# FUEL SYSTEM

104-4407 PUMP GP-GOV & FUEL INJ (contd.)

i01680384



VIEW A-A  
(WITH FUEL RADIO CONTROL REMOVED)

GRAPHIC #1

g00866865

# FUEL SYSTEM

## 137-1607 PUMP GP-GOV & FUEL INJ

S/N: 41Z2704-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR

ALSO AN ATTACHMENT

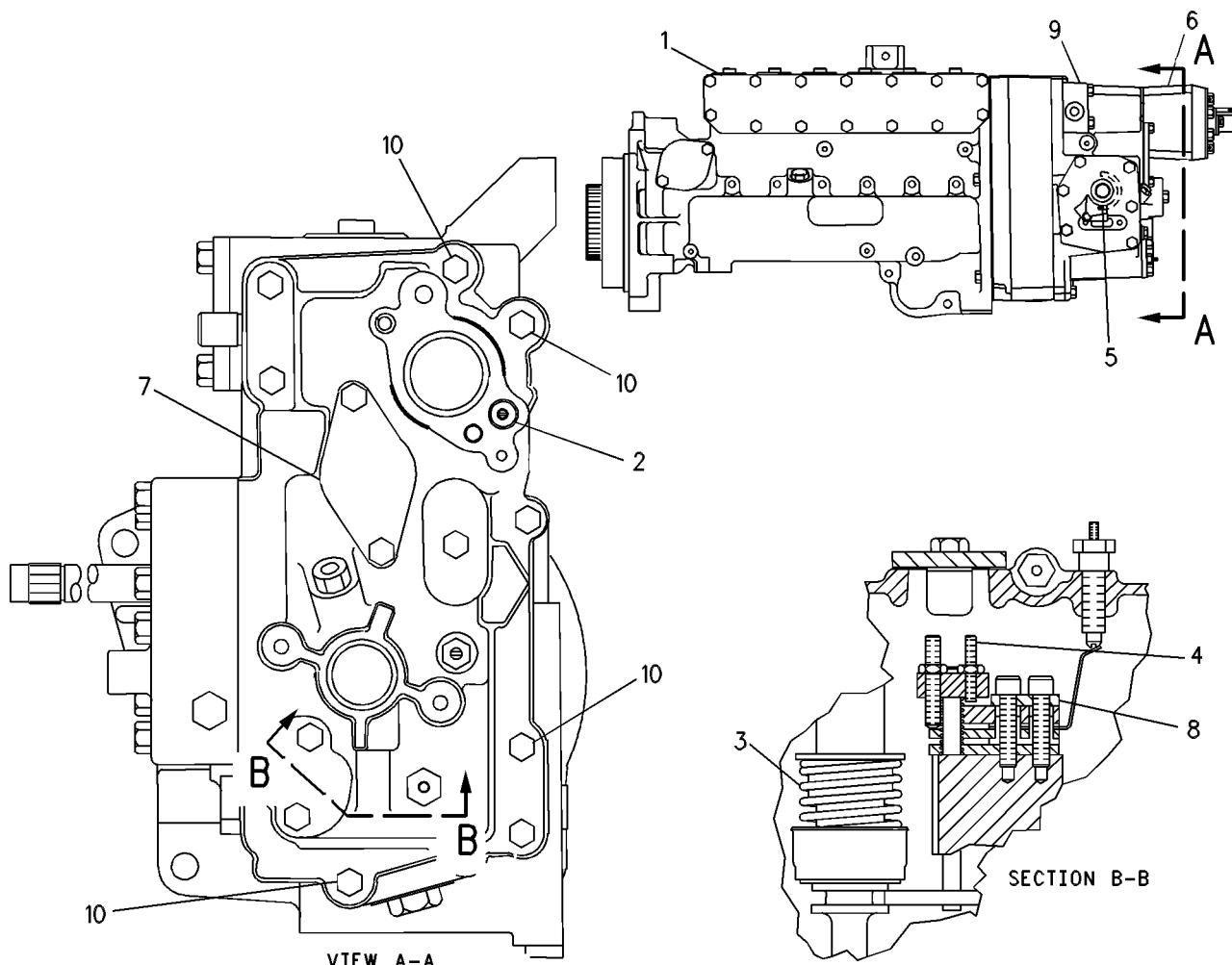
TYPE 1

SMCS-1251, 1253, 1255, 1256, 1264, 1272, 1281, 1286,  
1287, 1289, 1292, 1299, 1908

i00569825

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
Y	1	1	104-4409	1	PUMP GP-FUEL INJECTION							268
	2	1	2D-6392	1	SEAL-O-RING (6.07MM ID)							
		1	8N-6680	1	SCREEN AS							
	3	1	8L-9790	1	SPRING-GOVERNOR							
	4	1	5H-6552	1	SETSCREW-SOCKET (31.75MM LG)							
		1	4B-2049	1	NUT (10-32 THD)							
	5	1	8N-3094	1	SPRING-DETENT							
Y	6	1	124-5658	1	CONTROL GP-FUEL RATIO							228
	7	1	2W-5448	1	COVER							
Y	8	1	2W-8628	1	TORQUE CONTROL GP							288
Y	9	1	7C-4797	1	GOVERNOR GP							242
Y	10	1	9Y-4913	1	FASTENER GP-FUEL INJ PUMP							236

Y- SEPARATE ILLUSTRATION



GRAPHIC #1

g00271601

# FUEL SYSTEM

## 137-1607 PUMP GP-GOV & FUEL INJ

S/N: 41Z2704-UP

PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT  
TYPE 2

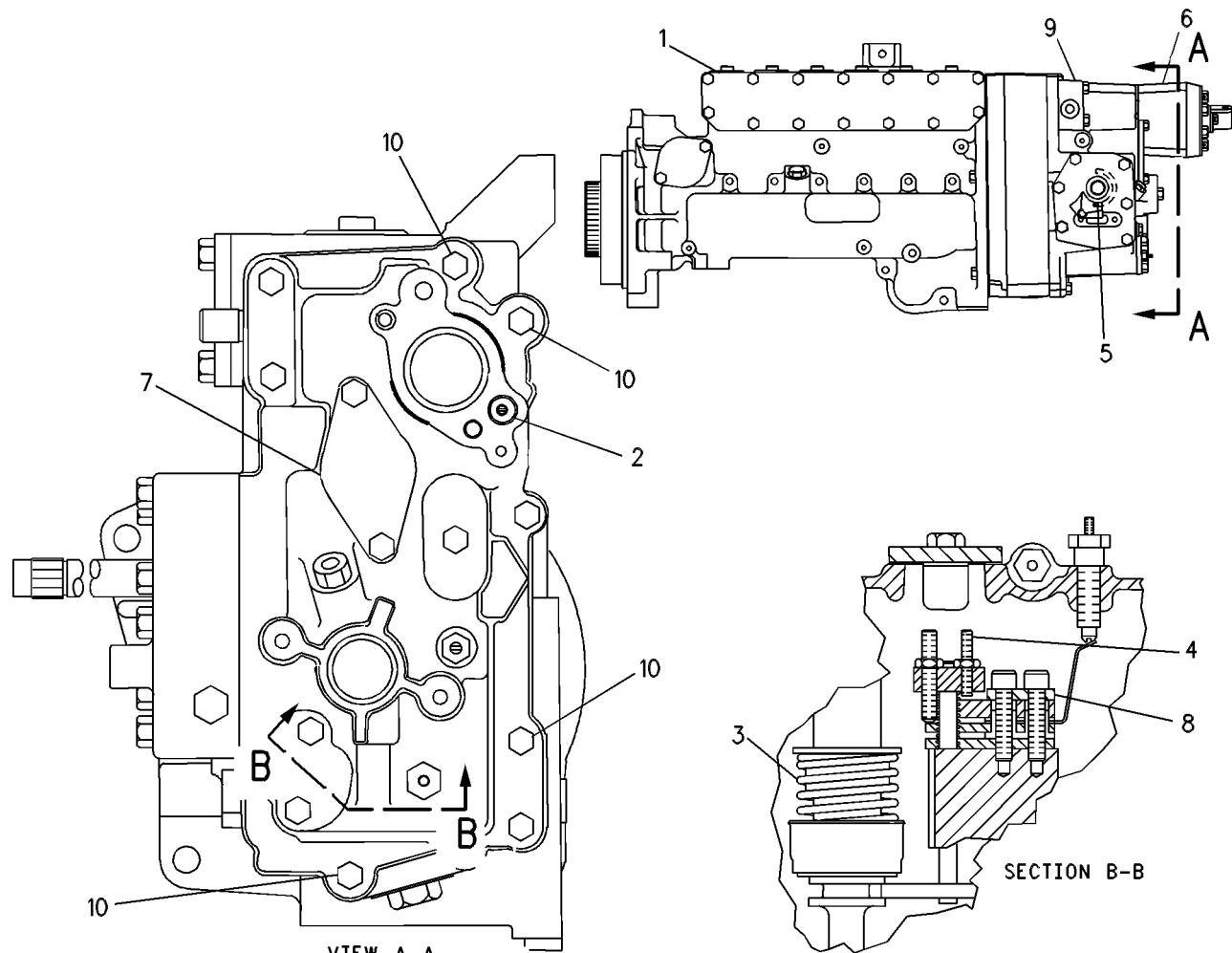
SMCS-1251, 1253, 1255, 1256, 1264, 1272, 1281, 1286,  
1287, 1289, 1292, 1299, 1908

i01449435

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
Y	1	1	104-4409	1	PUMP GP-FUEL INJECTION							268
	2	1	2D-6392	1	SEAL-O-RING (6.07MM ID)							
		1	8N-6680	1	SCREEN AS							
	3	1	8L-9790	1	SPRING-GOVERNOR							
	4	1	5H-6552	1	SETSCREW-SOCKET (31.75MM LG)							
		1	4B-2049	1	NUT (10-32 THD)							
	5	1	8N-3094	1	SPRING-DETENT							
Y	6	1	124-5658	1	CONTROL GP-FUEL RATIO							228
	7	1	2W-5448	1	COVER							
CY	8	1	2W-6660	1	TORQUE CONTROL GP							287
Y	9	1	7C-4797	1	GOVERNOR GP							242
Y	10	1	9Y-4913	1	FASTENER GP-FUEL INJ PUMP							236

C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00271601

# FUEL SYSTEM

## 105-8501 TANK GP-FUEL

S/N: 9EM1-836

610 LITERS (161.2 GALLONS)

SMCS-1273

i00569801

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		1H-5728	1	SEAL-O-RING (63MM ID)							
			9G-1815	1	COVER							
2	1		2G-0493	4	WASHER-RETAINING							
			7X-0582	4	WASHER-HARD (6MM THK)							
			8C-8842	4	BOLT (3/4-10X4.0IN)							
3	1		118-0690	1	SENDER AS-LEVEL (FUEL)							
			112-9863	1	KIT-DIAL SENSOR							
			7N-7779	1	SOCKET							
			7N-7780	1	PIN-CONNECTOR							
			7N-9737	1	HOUSING-PLUG							
BE	1		9X-1813		SLEEVE							
			6C-3060	1	GASKET (62MM ID)							
4	1		9P-7121	1	STRAINER-FUEL TANK							
5	1		6I-8659	1	BRACKET							
6	1		6N-7523	4	WASHER							
7	1		8T-9364	6	BOLT (1/4-20X.625IN)							
8	1		7X-7700	1	CAP AS-FUEL TANK							
			9X-2205	1	KIT-CAP FILTER							
			9X-8600	1	SEAL-O-RING (110.49MM ID)							
9	1		108-7993	1	TANK AS-FUEL TANK							
10	1		4F-9653	1	SEAL-O-RING (46.99MM ID)							
11	1		4H-9027	1	PLUG-PIPE (2-11 1/2 NPTF THD)							
12	1		5C-6565	4	BOLT (1/2-13X1.25IN)							
			8T-4223	4	WASHER-HARD (3MM THK)							
13	1		5P-8502	1	PADLOCK GP							
A	1		5P-8500	1	KEY							
A	1		8Y-6364	1	SLEEVE							
14	1		6T-1698	8	MOUNTING							

A-NOT PART OF THIS GROUP

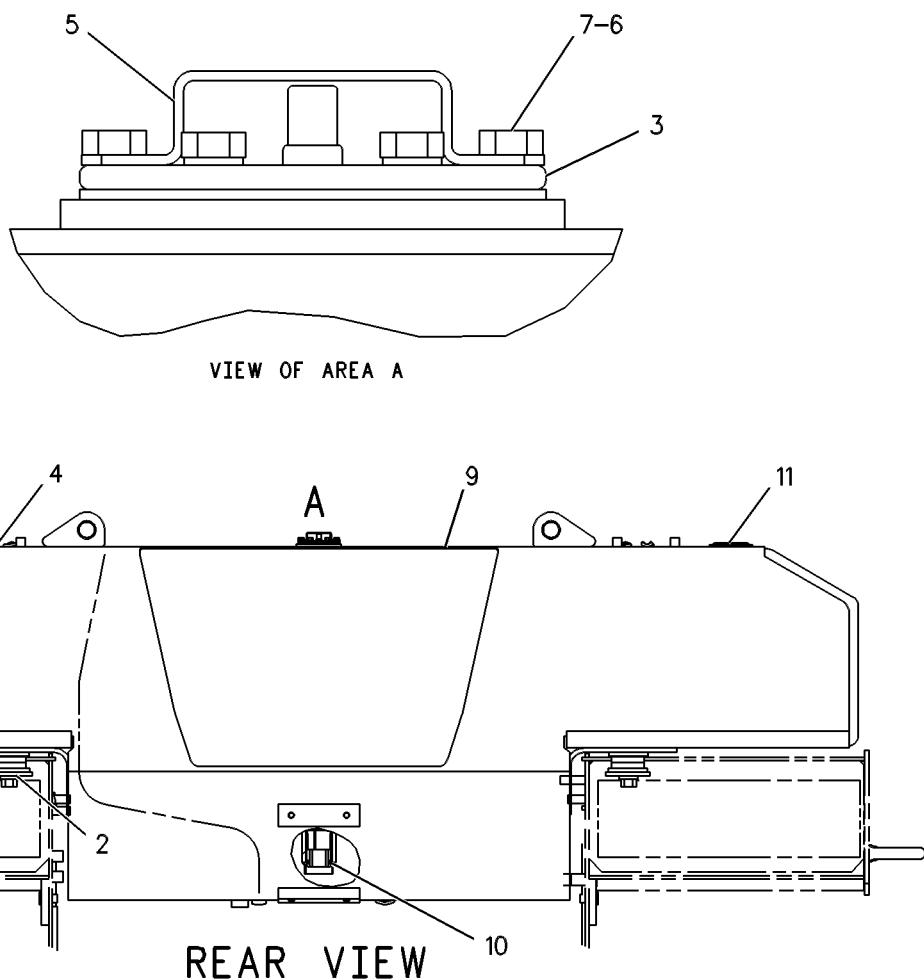
B-USE AS REQUIRED

E-ORDER BY THE CENTIMETER

# FUEL SYSTEM

105-8501 TANK GP-FUEL (contd.)

i00569801



GRAPHIC #1

g00249161

# FUEL SYSTEM

## 105 - 8501 TANK GP - FUEL

S/N: 9EM837-1091  
610 LITERS (161.2 GALLONS)

SMCS-1273

i01273653

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	1H-5728	1	SEAL-O-RING (63MM ID)	
		1	9G-1815	1	COVER	
2	1	2G-0493	4	WASHER-RETAINING (11MM THK)		
	1	7X-0582	4	WASHER-HARD (6MM THK)		
	1	8C-8842	4	BOLT (3/4-10X4.0IN)		
C	3	160-1823	1	SENDER AS-FUEL		
	1	138-0444	1	KIT-DIAL SENSOR		
	1	3E-3365	1	WEDGE-RECEPTACLE LOCK (2 PIN)		
	1	8T-8729	2	PIN-CONNECTOR		
	1	102-8802	1	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE AS & WEDGE)		
	1	3E-3365	1	WEDGE-RECEPTACLE LOCK (2 PIN)		
	1	8T-8729	2	PIN-CONNECTOR		
	1	6C-3060	1	GASKET (62MM ID)		
4	1	9P-7121	1	STRAINER-FUEL TANK		
5	1	6T-1698	8	MOUNTING		
C	6	6N-7523	6	WASHER (1.57MM THK)		
7	1	8T-9364	6	BOLT (1/4-20X.625IN)		
8	1	7X-7700	1	CAP AS-FUEL TANK		
	1	9X-2205	1	KIT-CAP FILTER		
	1	9X-8600	1	SEAL-O-RING (110.49MM ID)		
C	9	185-5235	1	TANK AS-FUEL		
10	1	5P-8502	1	PADLOCK GP		
A	1	8Y-6364	1	SLEEVE		
A	1	5P-8500	1	KEY		
11	1	4H-9027	1	PLUG-PIPE (2-11 1/2 NPTF THD)		
12	1	5C-6565	4	BOLT (1/2-13X1.25IN)		
	1	8T-4223	4	WASHER-HARD (3MM THK)		

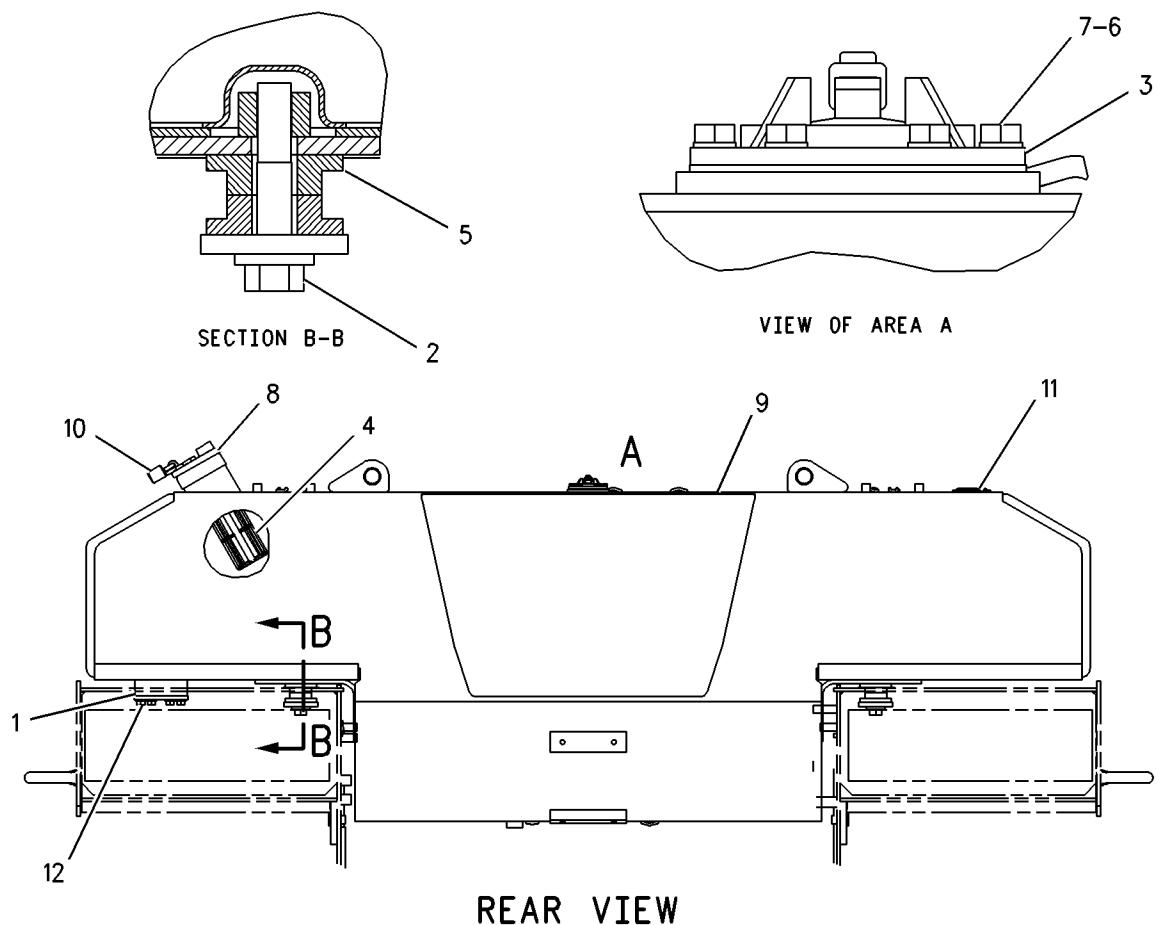
A-NOT PART OF THIS GROUP

C-CHANGE FROM PREVIOUS TYPE

# FUEL SYSTEM

105-8501 TANK GP-FUEL (contd.)

i01273653



GRAPHIC #1

g00660827

# FUEL SYSTEM

## 159-8106 TANK GP-FUEL

S/N: 9EM1092-UP

SMCS-1273

i01614776

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6 (PRODUCT LEVEL)		
1	1		<b>2G-0493</b>	4	WASHER-RETAINING (20X82.55X11MM THK)							
2	1		<b>5P-8502</b>	1	PADLOCK GP							
A	1		<b>5P-8500</b>	1	KEY							
A	1		<b>8Y-6364</b>	1	SLEEVE							
3	1		<b>6N-7523</b>	6	WASHER (6.48X11.9X1.57MM THK)							
L	4	1	<b>160-1823</b>	1	SENDER AS-FUEL							
Y	5	1	205-4274	1	TANK GP-FUEL						286	
6	1		<b>6C-3060</b>	1	GASKET							
7	1		<b>6T-1698</b>	8	MOUNTING							
8	1		<b>7X-0582</b>	4	WASHER-HARD (20X44.5X6MM THK)							
9	1		<b>8C-8842</b>	4	BOLT (3/4-10X4 IN)							
10	1		<b>8T-9364</b>	6	BOLT (1/4-20X0.625 IN)							
11	1		<b>9P-7121</b>	1	STRAINER-FUEL							
AVAILABLE REPAIR KIT(S):												
L			<b>138-0444</b>	1	KIT-DIAL SENSOR (INCLUDES SENSOR, SCREWS, RECEPTACLE, PINS & WEDGE)							

A-NOT PART OF THIS GROUP

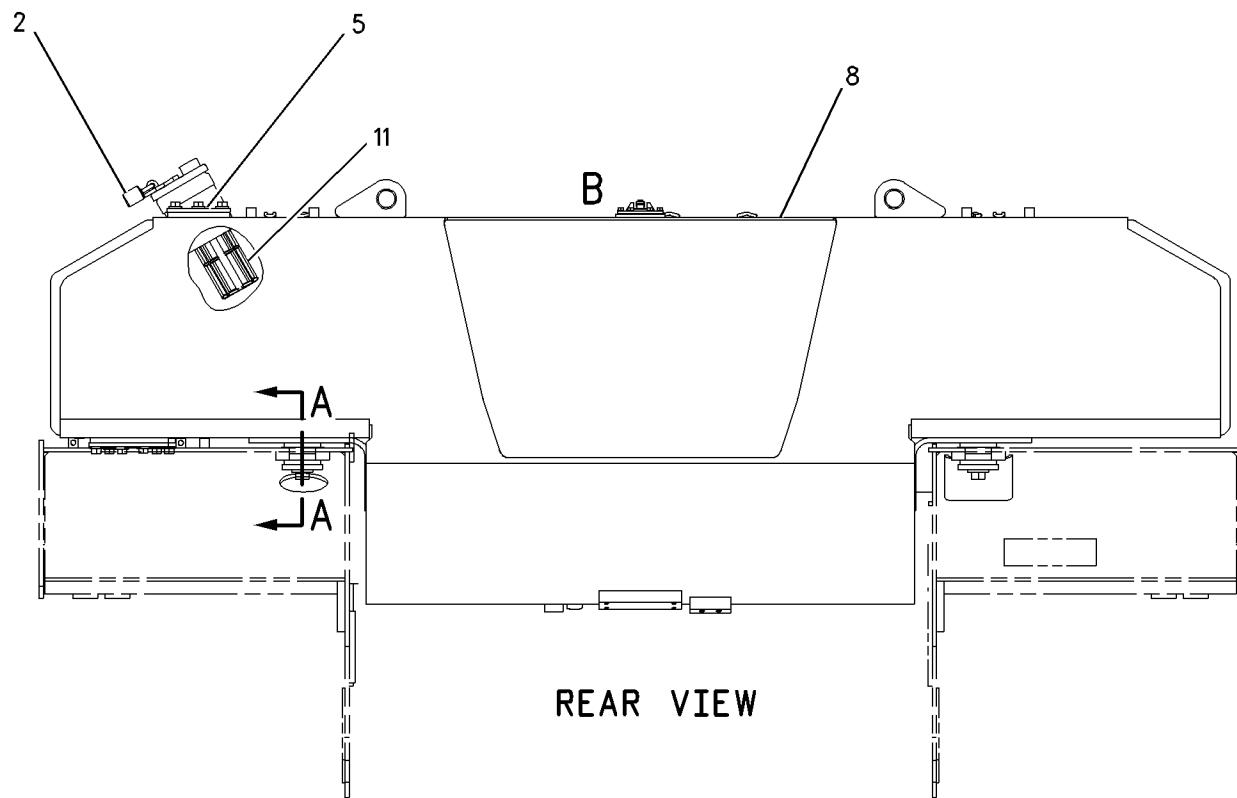
L-REPAIR KIT MARKED L AVAILABLE FOR PART MARKED L

Y-SEPARATE ILLUSTRATION

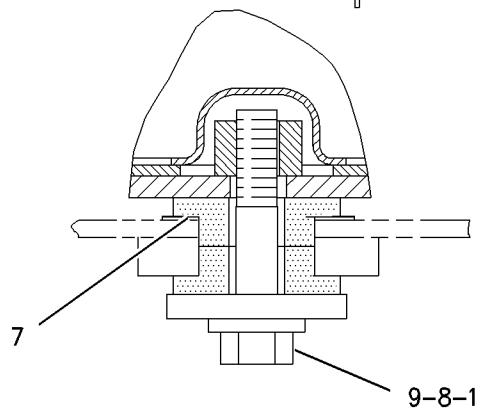
# FUEL SYSTEM

159-8106 TANK GP-FUEL (contd.)

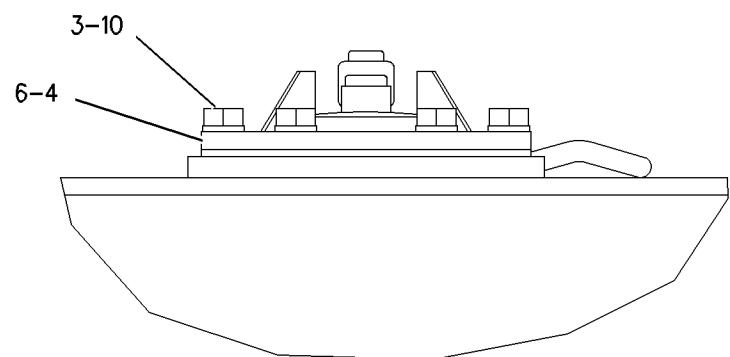
i01614776



REAR VIEW



SECTION A-A



VIEW OF AREA B

GRAPHIC #1

g00836996

# FUEL SYSTEM

## 205-4274 TANK GP-FUEL

S/N: 9EM1-UP

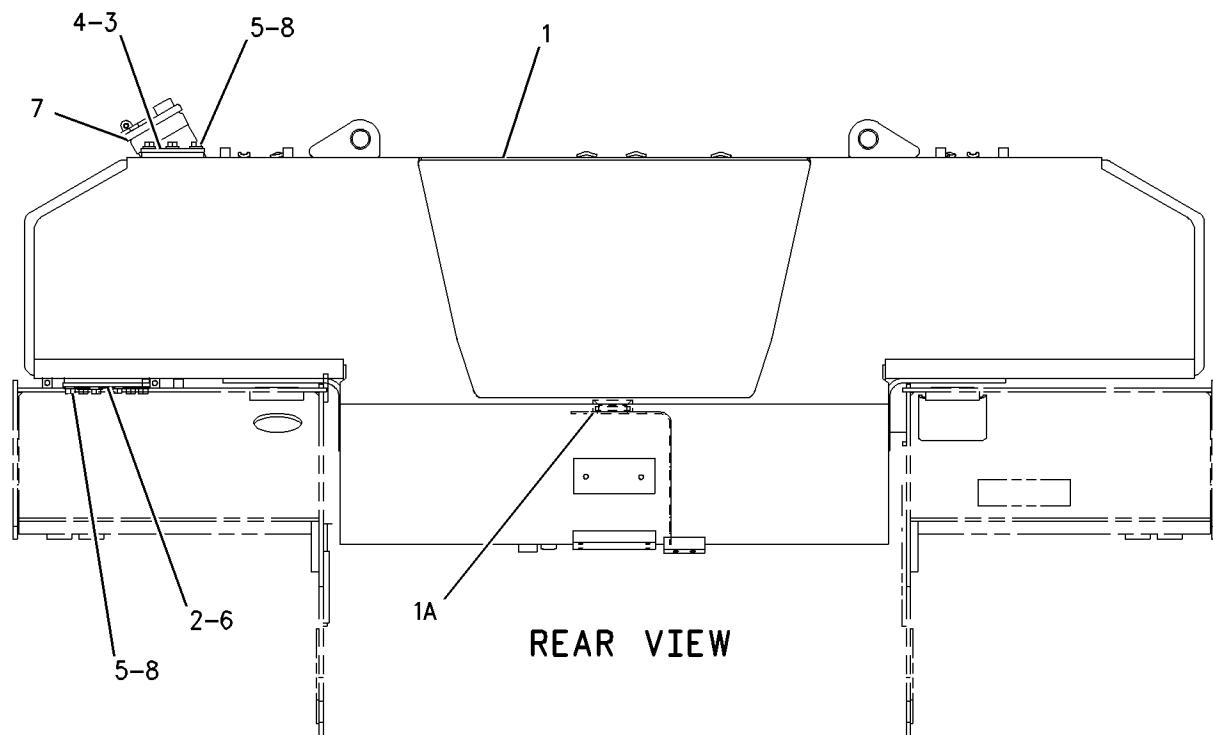
PART OF 159-8106 TANK GP-FUEL

SMCS-1273

i01614772

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		164-3414	1	TANK AS						
1A	1		167-2307	1	SEAL-U-CUP						
2	1		164-3417	1	COVER						
3	1		187-1679	1	COVER						
4	1		1H-8128	1	SEAL-O-RING						
	1		5K-1770	1	SEAL-O-RING						
5	1		4L-6454	12	BOLT (3/8-16X1 IN)						
6	1		5H-6734	1	SEAL-O-RING						
J	7	1	7X-7700	1	CAP AS-FUEL TANK						
	1		9X-8600	1	SEAL-O-RING						
8	1		8T-4896	12	WASHER-HARD (10.2X18.5X2.5MM THK)						
AVAILABLE REPAIR KIT(S):											
J			9X-2205	1	KIT-CAP FILTER (FUEL TANK) (INCLUDES FILTER AS, SCREW, GASKETS, & VALVE)						

J-KIT MARKED J SERVICES PART MARKED J



GRAPHIC #1

g00843312

# FUEL SYSTEM

## 2W-6660 TORQUE CONTROL GP

S/N: 41Z17175-UP

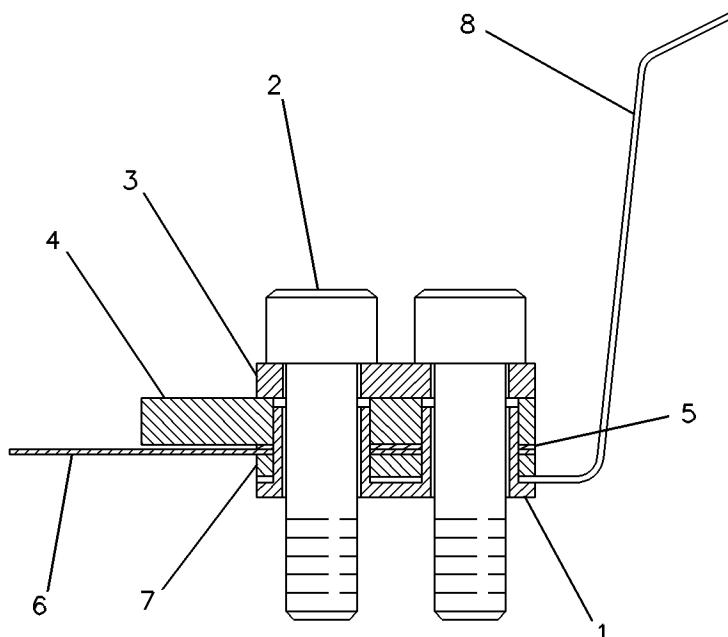
PART OF 137-1607 PUMP GP-GOV & FUEL INJ  
ALSO AN ATTACHMENT

SMCS-1257

i00143014

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
	1	1	1P-6452	1	INSULATOR						
C	2	1	6L-5897	2	BOLT (1/4-20X7/8IN)						
	3	1	8M-9062	1	RETAINER-SPRING (3.05MM THK)						
C	4	1	2W-7234	1	BAR-LOAD STOP (4.0MM THK)						
	5	1	2P-2685	1	SPACER (.635MM THK)						
	6	1	8N-7520	1	SPRING-TORQUE (.559MM THK)						
	7	1	7N-1796	1	SPACER (1.549MM THK)						
C	8	1	7W-8405	1	CONTACT						

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

g00108412

# FUEL SYSTEM

## 2W-8628 TORQUE CONTROL GP

S/N: 41Z1-17174

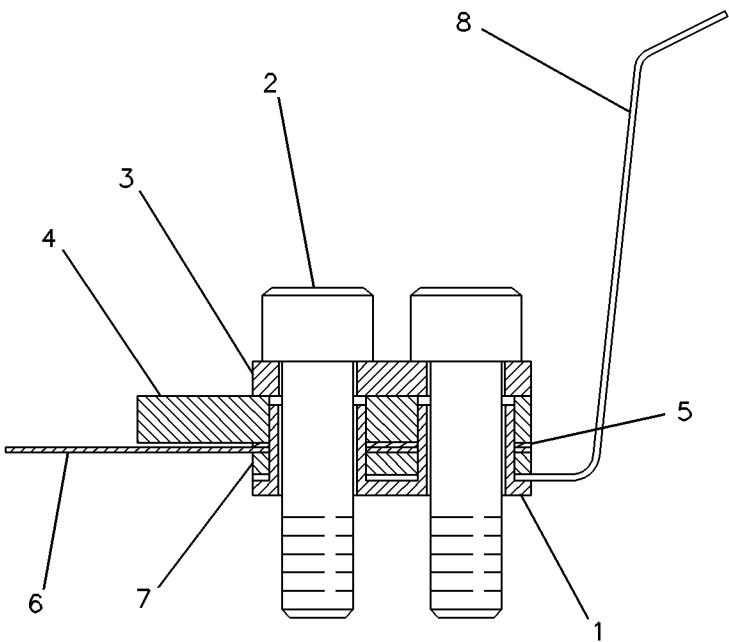
PART OF 104-4407, 137-1607 PUMP GP-GOV & FUEL INJ  
ALSO AN ATTACHMENT

SMCS-1257

i00570473

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	1P-6452	1	INSULATOR	
C	2	1	6L-5897	2	BOLT (1/4-20X7/8IN)	
	3	1	8M-9062	1	RETAINER-SPRING (3.05MM THK)	
C	4	1	2W-7234	1	BAR-LOAD STOP (4.0MM THK)	
	5	1	2P-2685	1	SPACER (.635MM THK)	
	6	1	8N-7518	1	SPRING-TORQUE (.711 MM THK)	
	7	1	7N-1796	1	SPACER (1.549MM THK)	
C	8	1	7W-8405	1	CONTACT	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

g00108412

# ELECTRICAL AND STARTING SYSTEM

**9G-9813 ALARM GP**

S/N: 9EM1-UP

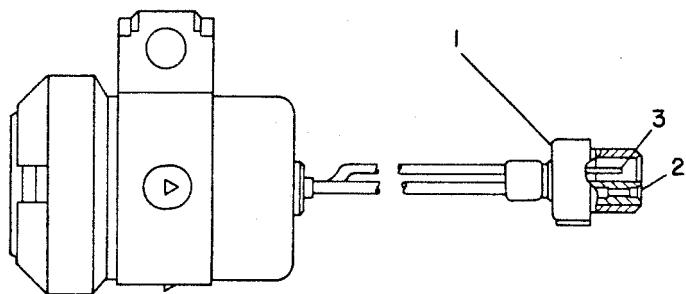
24 VOLT

PART OF 120-6535 BATTERY & WIRING GP

SMCS-7402

i01238331

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
					1	2	3	4	5	6	
1	1		7N-9737	1	HOUSING-PLUG						
2	1		7N-7779	1	SOCKET						
3	1		7N-7780	1	PIN-CONNECTOR (BLADE)						



GRAPHIC #1

g00081694

# ELECTRICAL AND STARTING SYSTEM

## 111-0342 ALTERNATOR AR-CHARGING

S/N: 9EM1-UP

75 AMP

PART OF 119-4333 WASTE HANDLING AR  
AN ATTACHMENT

SMCS-1405

i01504558

NOTE	PART NUMBER	QTY	PART NAME	SEE PAGE
			1 2 3 4 5 6 (PRODUCT LEVEL)	
YR	3E-7577	1	ALTERNATOR GP-CHARGING	292
	4M-5282	1	BOLT (1/4-20X1.50 IN)	
	171-2210	1	CIRCUIT BREAKER AS (80 AMP)	
	6V-8187	2	NUT (1/4-28 THD)	
	1H-3244	2	LOCKWASHER	
	8T-4205	2	WASHER-HARD (7.2X14.5X2MM THK)	
	4P-7581	1	CLIP	
	115-8476	1	FILM-DASH (PANEL)	
	5L-4507	4	SCREW-MACHINE (10-32X0.875 IN)	
	9G-8661	1	SPACER	
	7K-1181	1	STRAP-CABLE	
	5P-4115	1	WASHER-HARD (7.2X19X2MM THK)	
	4B-4274	4	WASHER (5.5X13X1.2MM THK)	
	1Q-2807	1	WIRE AS	

R-REMFG PART MAY BE AVAILABLE

Y-SEPARATE ILLUSTRATION

# ELECTRICAL AND STARTING SYSTEM

## 3E - 7577 ALTERNATOR GP - CHARGING\*<sup>R</sup>

S/N: 9EM1-UP

24 VOLT, 75 AMP

PART OF 111-0342 ALTERNATOR AR-CHARGING  
AN ATTACHMENT

SMCS-1405, 1410, 1425

i01667467

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6 (PRODUCT LEVEL)		
1	1		9S-2011	1	SCREW-MACHINE	(1/4-20 X .500 IN)						
2	1		1H-3244	1	LOCKWASHER							
3	1		2K-4821	1	LOCKNUT (5/8-18 THD)							
4	1		7F-7621	1	WASHER (0.635X1.25X0.09 IN THK)							
5	1		9S-2260	1	PLATE-COVER							
6	1		9S-2255	1	COVER							
7	1		9S-2262	1	GASKET							
8	1		9S-2544	6	SCREW-HEX HEAD (8-32X11.13MM)							
9	1		9B-7233	10	LOCKWASHER							
10	1		9S-2437	5	SCREW-TAPPING (10-24X19.05MM)							
11	1		8F-1434	5	LOCKWASHER							
12	1		5P-3418	1	BEARING-ROLLER							
13	1		5P-3419	1	RACE-BEARING INNER							
14	1		9S-2396	1	BUSHING-TERMINAL							
15	1		9S-2393	3	DIODE-NEGATIVE							
16	1		9N-0943	1	PLUG-BEARING WELL							
17	1		9F-2247	1	PLUG-PIPE							
18	1		9S-2292	1	HEAT SINK AS							
19	1		100-6656	1	DIODE AS-ALTERNATOR							
20	1		9S-9830	4	SCREW-FORMING (#8-32 X 19.05MM)							
21	1		8C-9660	4	WASHER (4.6X7.9X0.8MM THK)							
22	1		9S-2300	4	INSULATOR							
23	1		9S-2301	1	INSULATION							
24	1		9S-2248	1	COIL & SUPPORT AS							
25	1		9N-3388	3	LOCKSCREW							
26	1		3T-6354	1	REGULATOR AS (24 VOLT)							
27	1		7N-9023	1	SCREW AS (8-32 X 26.9MM)							
28	1		6N-1872	2	SCREW AS (8-32 X 1.25 IN)							
29	1		4B-2043	4	NUT (8-32 THD)							
30	1		100-6657	1	PLATE-ALTERNATOR							
31	1		9S-2302	1	ROTOR AS							
32	1		9S-2005	1	GROMMET							
33	1		2L-8075	3	TERMINAL (14-16 GA) (4.17MM)							
34	1		100-6658	1	WIRE AS-ALTERNATOR							
35	1		9S-2389	1	STUD AS							
36	1		9L-6770	1	CAP							
37	1		2P-5616	1	FRAME-DRIVE END							
38	1		9S-2390	1	RETAINER							
39	1		9X-2500	4	SCREW-HEX FLANGE (10-24 X 38.1MM)							
40	1		9S-2009	4	SCREW-HEAD (10-24 X 3.625 IN)							
41	1		100-6532	1	COLLAR-ALTERNATOR							
42	1		5P-7807	1	BALL BEARING							
43	1		100-6531	1	FAN-ALTERNATOR							
44	1		9S-3451	1	STATOR AS							
45	1		9S-2006	1	INSULATOR							
46	1		9S-2005	1	GROMMET							
47	1		9S-2014	3	CLIP							
AVAILABLE REPAIR KIT(S) :												
9S-2013 1 KIT-RELAY TERMINAL (INCL BUSHING, O-RING & HARDWARE)												
9S-2012 1 KIT-OUTPUT TERMINAL (INCL GASKETS, TERMINALS & HARDWARE)												

# ELECTRICAL AND STARTING SYSTEM

## 3E-7577 ALTERNATOR GP-CHARGING (contd.)

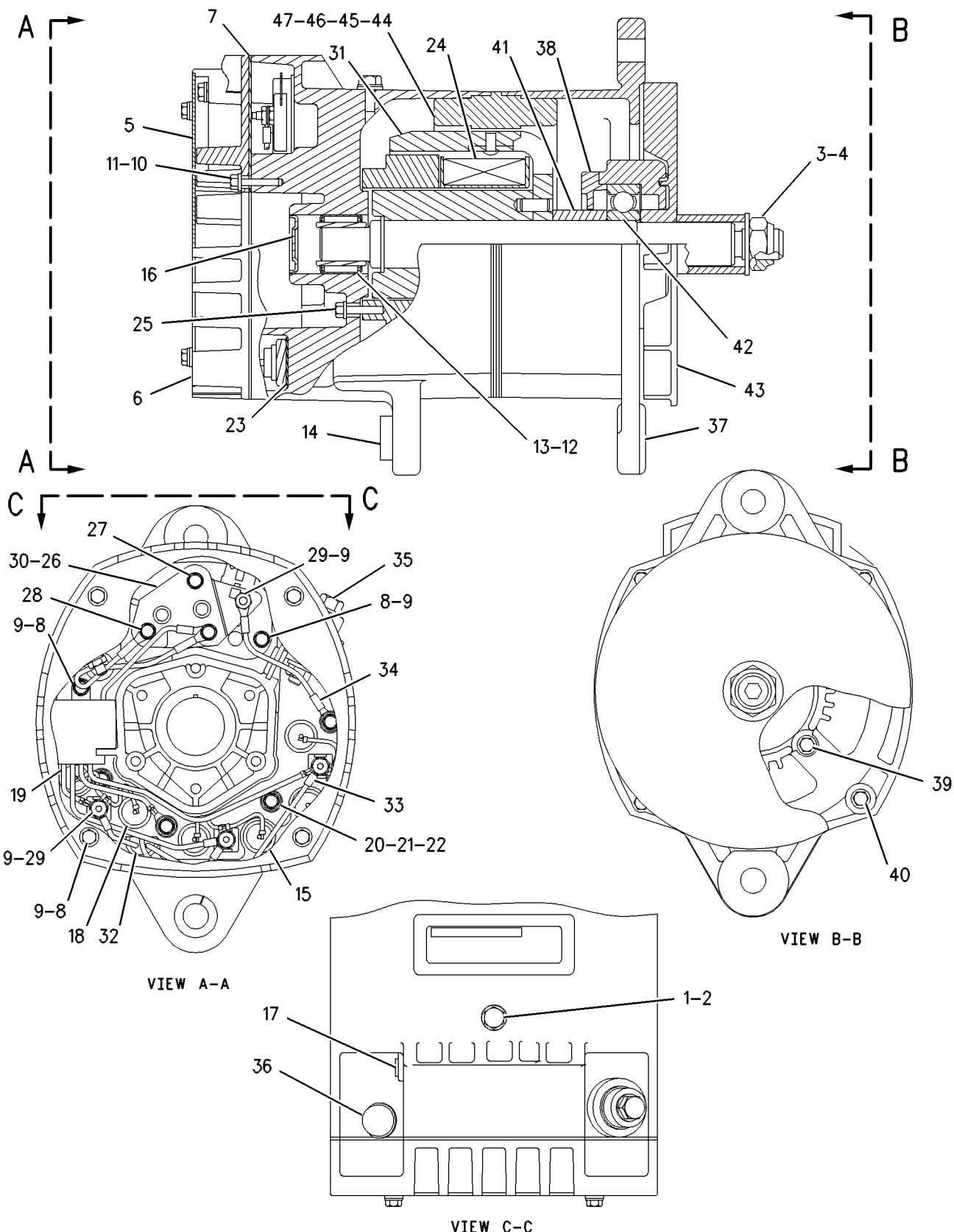
i01667467

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE
					1 2 3 4 5 6		
	9S-2290		3		KIT-DIODE JUNCTION STUD (INCL INSULATOR & STUD)		
	9S-2291		3		KIT-POSITIVE DIODE (INCLUDES DIODE)		

# ELECTRICAL AND STARTING SYSTEM

3E-7577 ALTERNATOR GP-CHARGING (contd.)

i01667467



GRAPHIC #1

g00545706

# ELECTRICAL AND STARTING SYSTEM

## 7C-9021 ALTERNATOR GP - CHARGING

S/N: 9EM1-1038

SMCS-1405, 1410, 1425

i00570806

NOTE NO	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6		
CYR	1	1	100-5047	1	ALTERNATOR GP-CHARGING							304
	2	1	4L-6459	1	BOLT (3/8-16X2.5IN)							
	3	1	8T-4122	1	WASHER (3.5MM THK)							
	4	1	7C-9001	1	V-BELT							
	5	1	4N-8225	1	PULLEY-ALTERNATOR							
	6	1	1S-4589	1	ROD							
	7	1	9S-3784	1	BLOCK							
	8	1	7X-0448	1	NUT (5/8-11 THD)							
	9	1	7X-0345	1	BOLT (5/8-11X1.75IN)							
	10	1	7X-0301	2	BOLT							
	11	1	7W-2407	1	BRACKET							
	12	1	7X-0290	1	BOLT (3/8-16X3.50IN)							
	13	1	8T-4223	2	WASHER-HARD (3MM THK)							
	14	1	6V-8801	1	NUT (3/8-16 THD)							
	15	1	8T-4896	2	WASHER-HARD (2.5MM THK)							
	16	1	5P-2566	1	BOLT (1/2-13X1.50IN)							
	17	1	8T-8919	1	BOLT (1/2-13X1.75IN)							
	18	1	4D-6565	1	WIRE AS							

C-CHANGE FROM PREVIOUS TYPE

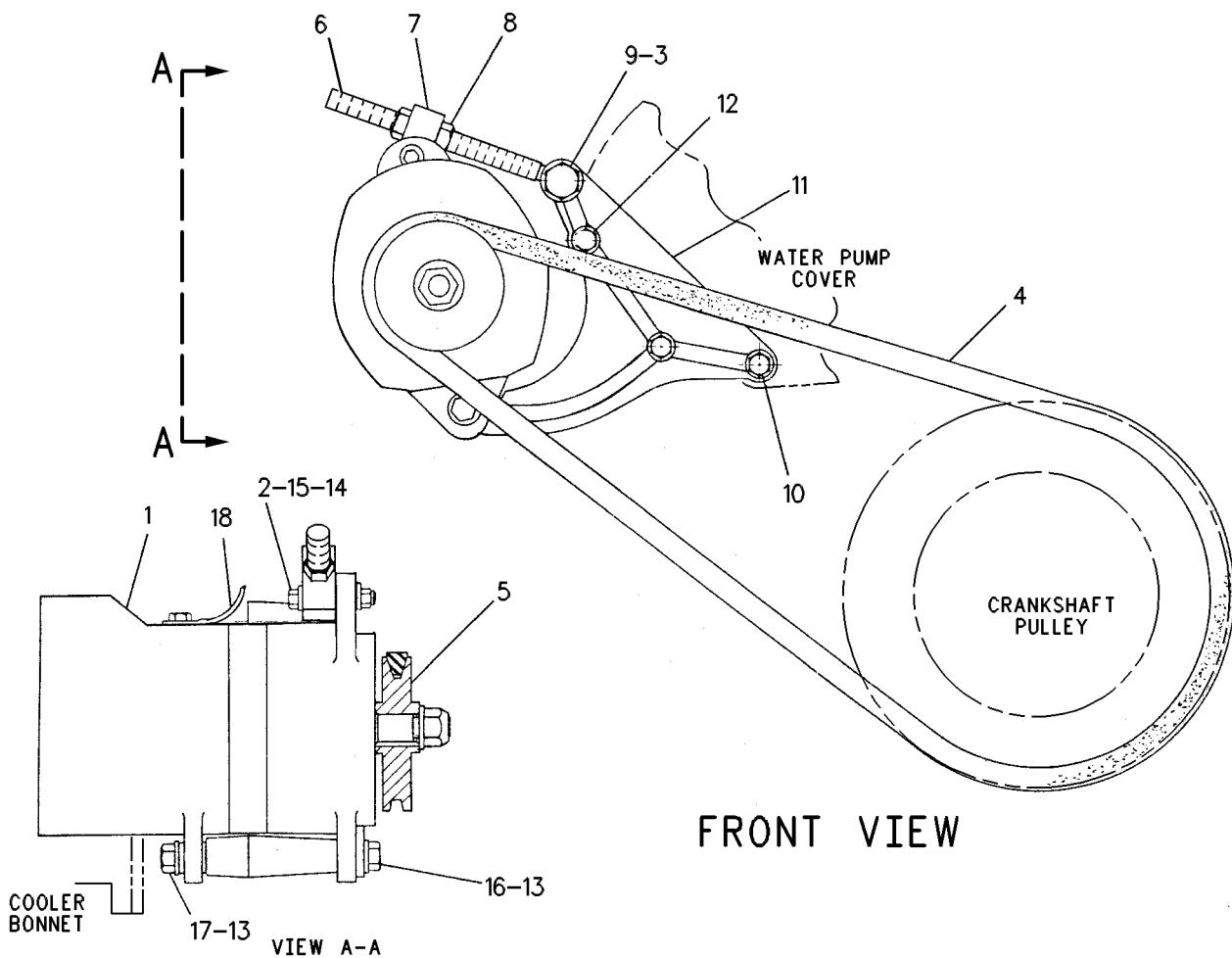
R-REMFG PART MAY BE AVAILABLE

Y-SEPARATE ILLUSTRATION

# ELECTRICAL AND STARTING SYSTEM

7C-9021 ALTERNATOR GP - CHARGING (contd.)

i00570806



GRAPHIC #1

g00255132

# **ELECTRICAL AND STARTING SYSTEM**

# **7C - 9021 ALTERNATOR GP - CHARGING**

S/N: 9EM1039-UP

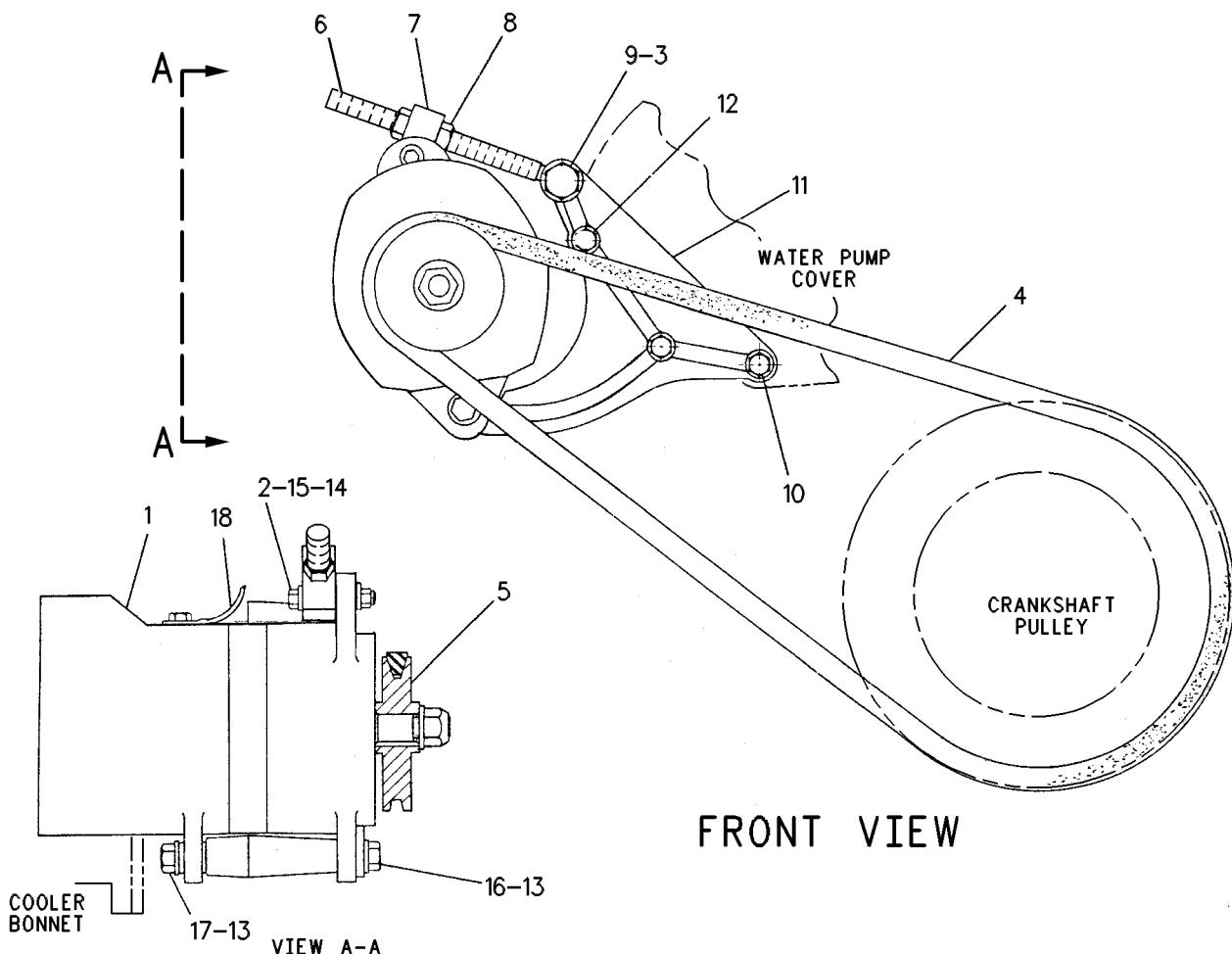
**SMCS-1405, 1410, 1425**

i01589428

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
CY	1	1	169-3345	1	ALTERNATOR GP-CHARGING							306
	2	1	4L-6459	1	BOLT (3/8-16X2.5 IN)							
	3	1	8T-4122	1	WASHER-HARD (17X32X3.5MM THK)							
	4	1	7C-9001	1	V-BELT							
	5	1	4N-8225	1	PULLEY-ALTERNATOR							
	6	1	1S-4589	1	ROD							
	7	1	9S-3784	1	BLOCK							
	8	1	7X-0448	1	NUT (5/8-11 THD)							
	9	1	7X-0345	1	BOLT (5/8-11X1.75 IN)							
	10	1	7X-0301	2	BOLT (3/8-16X7 IN)							
	11	1	7W-2407	1	BRACKET							
	12	1	7X-0290	1	BOLT (3/8-16X3.50 IN)							
	13	1	8T-4223	2	WASHER-HARD (13.5X25.5X3MM THK)							
	14	1	6V-8801	1	NUT (3/8-16 THD)							
	15	1	8T-4896	2	WASHER-HARD (10.2X18.5X2.5MM THK)							
	16	1	5P-2566	1	BOLT (1/2-13X1.5 IN)							
	17	1	8T-8919	1	BOLT (1/2-13X1.75 IN)							
	18	1	4D-6565	1	WIRE AS							

## C - CHANGE FROM PREVIOUS TYPE

### **Y - SEPARATE ILLUSTRATION**



FRONT VTFW

## GRAPHIC #1

g00255132

# ELECTRICAL AND STARTING SYSTEM

## 100-5045 ALTERNATOR GP-CHARGING

S/N: 9EM1-1038

24 VOLT, 50 AMP

PART OF 100-5047 ALTERNATOR GP-CHARGING

SMCS-1405, 1410, 1425

i01455979

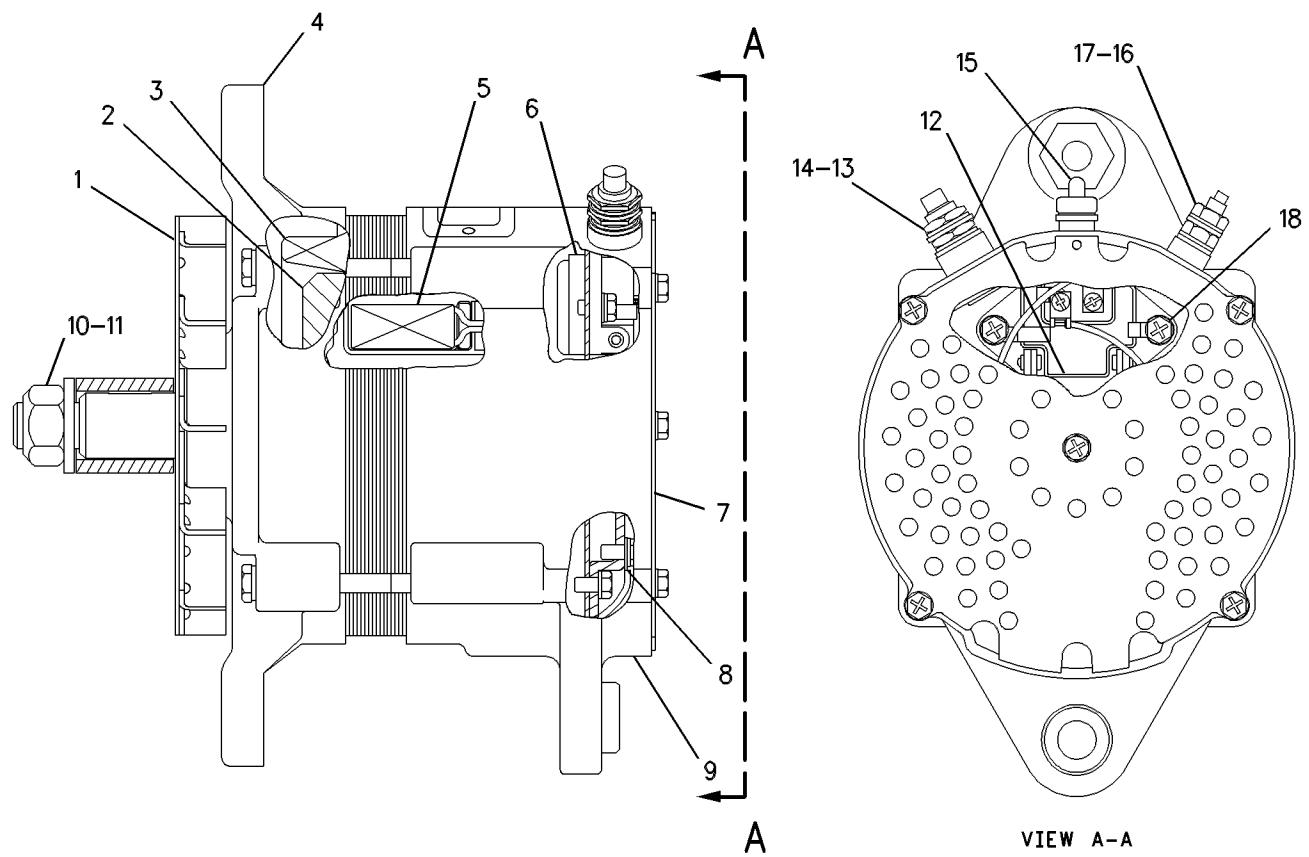
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		7T-2793	1	FAN AS	
2	1		7T-2790	1	ROTOR AS	
3	1		7T-6418	1	STATOR AS	
4	1		7T-2792	1	FRAME AS	
5	1		7T-6417	1	COIL AS	
6	1		7T-2798	1	REGULATOR AS	
7	1		7T-2797	1	COVER	
8	1		7T-6416	1	HOLDER AS	
9	1		7T-2795	1	FRAME AS	
10	1		2K-4821	1	LOCKNUT	
11	1		5P-8247	1	WASHER-HARD (17X32X3.5MM THK)	
12	1		7T-2801	1	CONDENSER	
13	1		7X-0447	1	NUT (7/16-14 THD)	
14	1		2H-3920	1	LOCKWASHER	
15	1		9L-6770	1	CAP (ALTERNATOR)	
16	1		6V-8185	1	NUT (1/4-20 THD)	
17	1		1H-3244	1	LOCKWASHER	
18	1		7T-2802	1	WIRE AS	
F			1B-8705	1	KEY-WOODRUFF	
AVAILABLE REPAIR KIT(S) :						
	7T-2799			1	KIT-BEARING (INCLUDES BEARINGS)	
	7T-2800			1	KIT-TERMINAL (INCLUDES INSULATORS, LOCKWASHER AND WASHERS)	
	7T-2803			1	KIT-HARDWARE (INCLUDES SCREW ASSEMBLIES AND BOLT ASSEMBLIES)	
	7T-2804			1	KIT-TERMINAL (INCLUDES CAP, BOLT. WIRE AS AND BUSHING)	
	7T-2805			1	KIT-TERMINAL (INCLUDES NUT, LOCKWASHER, WASHER AND INSULATORS)	
	7T-2816			1	KIT-HARDWARE (INCLUDES WASHER, SPACERS, RING, PLATE AS, WASHER, PLATE AND BOLT AS)	

F-NOT SHOWN

# ELECTRICAL AND STARTING SYSTEM

100-5045 ALTERNATOR GP - CHARGING (contd.)

i01455979



GRAPHIC #1

g00545708

# ELECTRICAL AND STARTING SYSTEM

## 100-5046 ALTERNATOR GP-CHARGING\*R

S/N: 9EM1-1038

24 VOLT, 50 AMP

PART OF 100-5047 ALTERNATOR GP-CHARGING

SMCS-1405, 1410, 1425

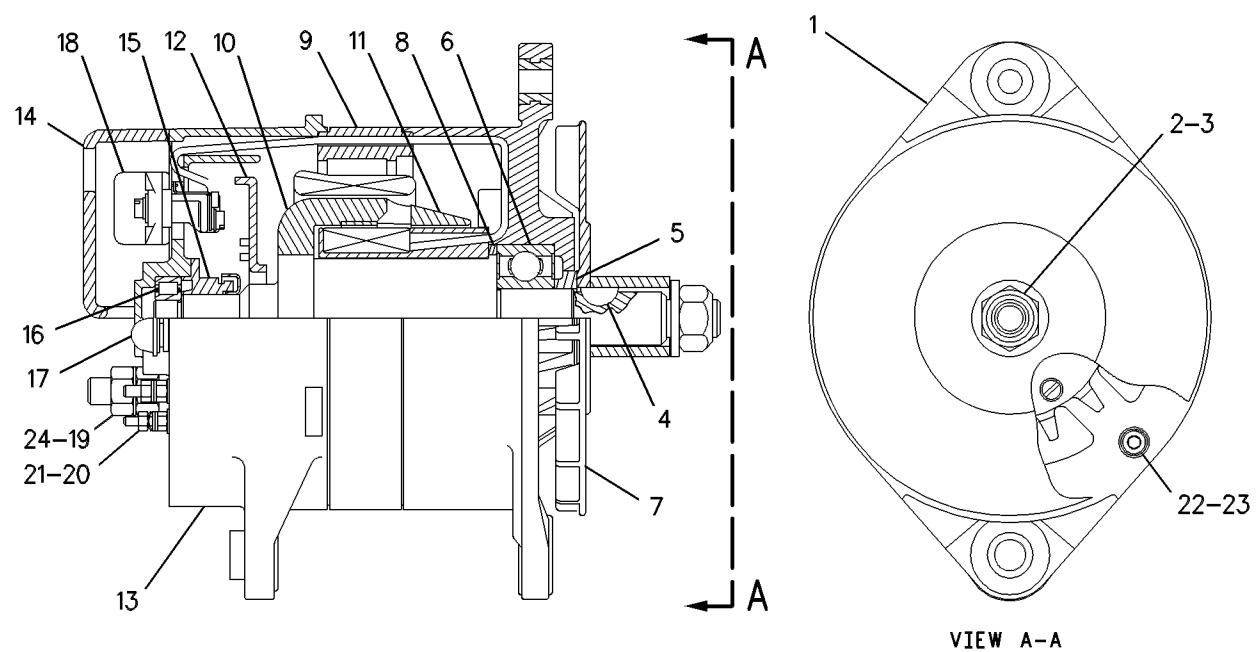
i01455982

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		9G-7566	1	FRAME-DRIVE END	
2	1		2K-4821	1	LOCKNUT	
3	1		5P-8247	1	WASHER-HARD (17X32X3.5MM THK)	
4	1		1B-8705	1	KEY-WOODRUFF	
5	1		9G-7549	1	SPACER (9.5MM THK)	
6	1		9G-7551	1	BEARING	
7	1		9G-7564	1	FAN	
8	1		9G-7548	1	RING	
9	1		3T-1886	1	STATOR AS	
10	1		3T-1885	1	COIL AS-FIELD	
11	1		9G-7560	1	ROTOR AS	
12	1		3T-1887	1	DIODE AS	
13	1		9G-7568	1	FRAME AS-REAR	
14	1		9G-7562	1	COVER AS	
15	1		9G-7553	1	RING-COVER	
16	1		9G-7552	1	BEARING	
17	1		9L-6770	1	CAP (ALTERNATOR)	
18	1		9G-7567	1	REGULATOR AS	
19	1		7X-0447	1	NUT (7/16-14 THD)	
M	20	1	5C-2874	1	NUT (M5X.8 THD)	
	21	1	7X-0620	1	WASHER-HARD (5.5X13X1.6MM THK)	
M	22	1	9X-6001	4	BOLT-HEX HEAD (M5X0.3X150MM)	
	23	1	8T-0328	4	WASHER-HARD (5.5X10X1MM THK)	
	24	1	8T-5360	1	WASHER (12X22.5X2.5MM THK)	
AVAILABLE REPAIR KIT(S) :						
		9G-7554	1	KIT-TERMINAL GROUND (INCLUDES LOCKWASHERS AND HEX NUTS)		
		9G-7555	1	KIT-OUTPUT TERMINAL (INCLUDES BUSHINGS, LOCKWASHERS, AND HEX NUTS)		
		9G-7556	1	KIT-CAPACITOR (INCLUDES CAPACITOR, LOCKWASHER AND SCREW)		
		9G-7559	1	KIT-RELAY TERMINAL (INCLUDES END SPLICER, INSULATING TUBE, HEX NUT, PIN TERMINAL, LOCKWASHER, WASHER, INSULATING WASHER, INSULATING BUSHING AND PROTECTION CAP)		
		9G-7565	1	KIT-REGULATOR TERMINAL (INCLUDES WASHERS, INSULATING WASHER, INSULATING BUSHING, HEX NUT AND LOCKWASHERS)		
M-METRIC PART						

# ELECTRICAL AND STARTING SYSTEM

100-5046 ALTERNATOR GP - CHARGING (contd.)

i01455982



GRAPHIC #1

g00545709

# ELECTRICAL AND STARTING SYSTEM

## 100-5047 ALTERNATOR GP - CHARGING\*R

S/N: 9EM1-1038

24 VOLT, 50 AMP

PART OF 7C-9021 ALTERNATOR GP - CHARGING

SMCS-1405, 1410, 1425

i00943864

NOTE	PART NUMBER	QTY	PART NAME	SEE PAGE
			1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	100-5045	1	ALTERNATOR GP - CHARGING -OR-	300
YR	100-5046	1	ALTERNATOR GP - CHARGING	302

R-REMFG PART MAY BE AVAILABLE

Y-SEPARATE ILLUSTRATION

# ELECTRICAL AND STARTING SYSTEM

## 169-3345 ALTERNATOR GP-CHARGING

S/N: 9EM1039-UP

24 VOLT-50 AMPERE

PART OF 7C-9021 ALTERNATOR GP-CHARGING

SMCS-1405, 1410, 1425

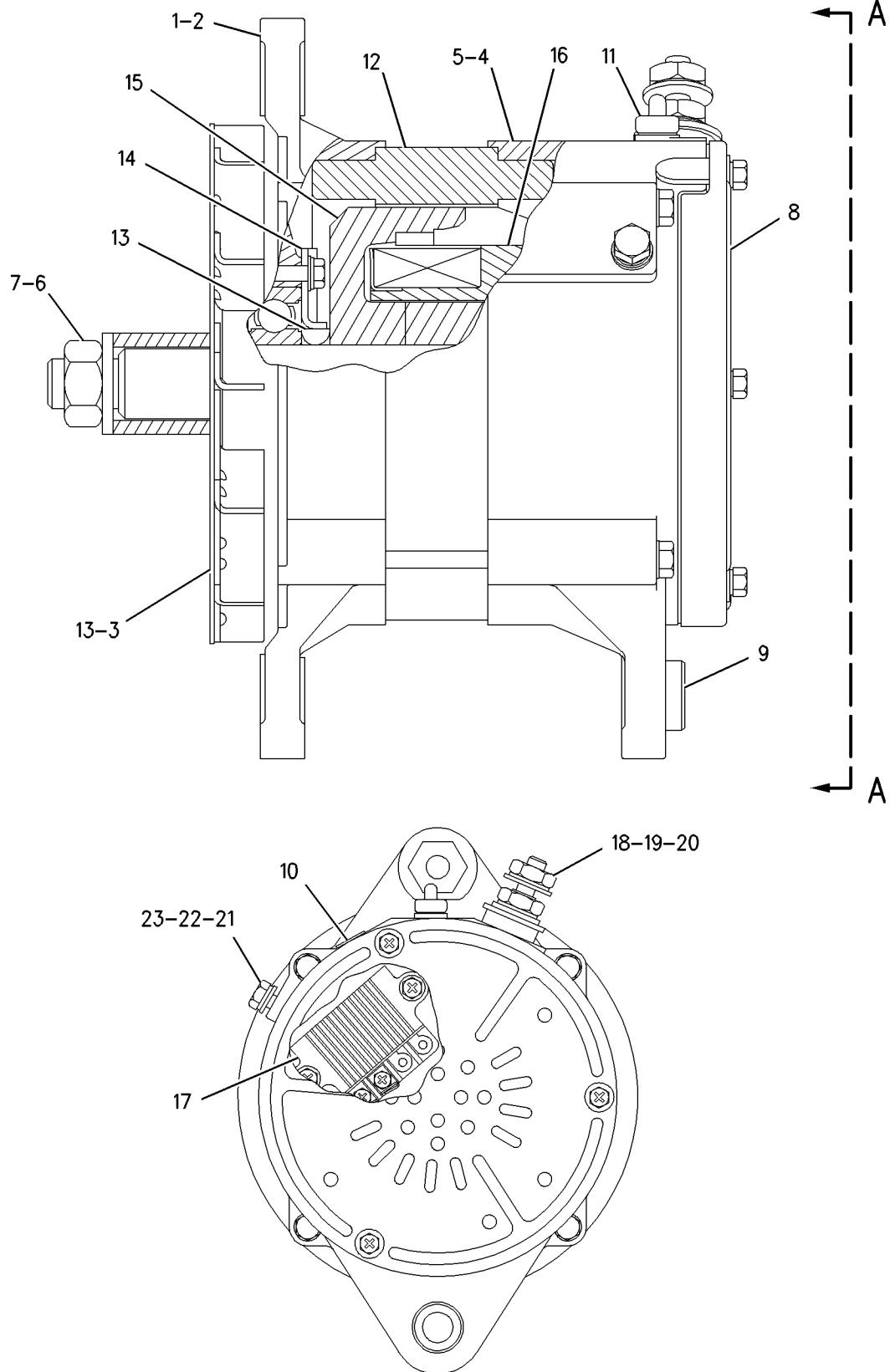
i01589423

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE					
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		185-2653	1	FRAME						
2	1		185-2652	1	FRAME AS						
3	1		185-2639	1	FAN AS						
4	1		185-2640	1	FRAME AS						
5	1		185-2645	1	FRAME						
6	1		2K-4821	1	LOCKNUT (5/8-18 THD)						
7	1		5P-8247	1	WASHER-HARD (17X32X3.5MM THK)						
8	1		185-2651	1	COVER						
9	1		185-2646	1	BUSHING						
10	1		185-2647	1	GROMMET						
11	1		9L-6770	1	CAP						
12	1		190-0065	1	STATOR AS-ALTERNATOR						
13	1		185-2638	2	COLLAR						
14	1		185-2654	1	PLATE						
15	1		185-2650	1	ROTOR AS						
16	1		185-2644	1	COIL AS						
17	1		185-2648	1	REGULATOR AS						
18	1		6V-8189	1	NUT (5/16-18 THD)						
19	1		8T-4224	1	WASHER-HARD (8.8X16X2MM THK)						
20	1		3F-9556	1	LOCKWASHER						
21	1		5S-7349	1	BOLT (1/4-20X0.5 IN)						
22	1		8T-4205	1	WASHER-HARD (7.2X14.5X2MM THK)						
23	1		1H-3244	1	LOCKWASHER						
AVAILABLE REPAIR KIT(S) :											
			185-2655	1	KIT-BEARING (ALTERNATOR) (INCLUDES 2 BEARINGS)						
			185-2656	1	KIT-TERMINAL (ALTERNATOR) (INCLUDES HOLDER AS, PLATE, INSULATOR, PIN, BOLT KITS, GROMMET AND NUT)						
			185-2657	1	KIT-TERMINAL (ALTERNATOR) (INCLUDES INSULATORS, WASHERS AND NUTS)						
			185-2658	1	KIT-HARDWARE (ALTERNATOR) (INCLUDES BOLT KITS)						

# ELECTRICAL AND STARTING SYSTEM

169-3345 ALTERNATOR GP - CHARGING (contd.)

i01589423



VIEW A-A

GRAPHIC #1

g00724069

# ELECTRICAL AND STARTING SYSTEM

## 120-6535 BATTERY & WIRING GP

S/N: 9EM1-456

SMCS-1401, 1402, 1408

i00943644

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
	1	1	3T-2357	1	SWITCH AS-HORN							
		1	2H-3922	1	LOCKWASHER (1.27MM THK) (INTERNAL TOOTH-LARGE)							
		1	3B-4501	1	LOCKWASHER (1.02MM THK) (SPLIT)							
		1	5L-7200	1	SCREW (8-32X.375IN)							
		1	6V-8363	2	SCREW (10-32X.312IN)							
		1	6V-8370	1	NUT -HEX							
		1	7T-9515	1	KNOB-HORN							
		1	8F-1434	2	LOCKWASHER (0.51MM THK) (INTERNAL TOOTH-SMALL)							
		1	9X-0199	1	BOOT-SWITCH							
	2	1	6Y-4522	1	HARNESS AS							
	3	1	7K-1181	12	STRAP-CABLE (4.00IN DIA)							
	4	1	3T-3048	2	CLIP AS (10.2MM ID)							
	5	1	5P-9297	1	CLIP (9.52MM ID)							
	6	1	3J-1907	4	SEAL-O-RING (11.89MM ID)							
	7	1	8N-3844	2	SENDER-TEMPERATURE (HYDRAULIC OIL)							
	8	1	3T-5825	1	SWITCH AS (POWER TRAIN TEMPERATURE)							
		1	6V-8376	2	SCREW-MACHINE (8-32X.25IN)							
		1	9B-7233	2	LOCKWASHER (NO.8)							
	9	1	3K-0360	2	SEAL-O-RING (16.36MM ID)							
	10	1	6T-2217	1	RESISTOR AS							
		1	7N-7780	1	PIN-CONNECTOR (BLADE)							
		1	7N-7779	1	SOCKET							
	11	1	5P-1075	1	WASHER-HARD (3MM THK)							
	12	1	5M-3062	1	BOLT (3/8-16X.75IN)							
	13	1	1S-1015	1	CLIP (20.46MM ID)							
	14	1	6T-2724	1	BRACKET AS							
		1	1F-0750	1	NUT-WELD (3/8-16 THD)							
	15	1	5P-9085	1	CLIP (7.94MM ID)							
	16	1	9G-9150	1	CLIP (10.2MM ID)							
	17	1	9B-7237	1	BOLT (3/8-16X1.25IN)							
	18	1	3T-3046	1	CLIP AS							
	19	1	3T-3047	2	CLIP AS (20MM ID)							
Y	20	1	7N-0718	1	SWITCH GP-DISCONNECT (BATTERY)							418
	21	1	125-4490	1	CLIP							
	22	1	102-9235	1	SOCKET AS-POWER							
		1	8T-8729	2	PIN-CONNECTOR							
		1	3E-3365	1	WEDGE							
	23	1	6T-4949	1	SWITCH AS (EMS OIL PRESSURE)							
		1	7N-7779	1	SOCKET							
		1	7N-7780	1	PIN-CONNECTOR (BLADE)							
		1	7N-9738	1	HOUSING-RECEPTACLE							
	24	1	6V-0484	1	ADAPTER-O-RING							
		1	2M-9780	1	SEAL-O-RING (19.18MM ID)							
	25	1	4T-9905	1	ADAPTER							
	26	1	8T-4223	1	WASHER-HARD (3MM THK)							
	27	1	6V-8188	1	NUT (1/2-13 THD)							
	28	1	2V-6166	1	CABLE AS							
E		1	5P-0747		CABLE (OOGA) (41 CM)							
		1	1S-7251	2	TERMINAL (FOR 1/2IN BOLT)							
	29	1	8N-2248	1	SWITCH AS-TEMPERATURE (HYDRAULIC OIL)							
		1	6V-8376	2	SCREW-MACHINE (8-32X.25IN)							
		1	9B-7233	2	LOCKWASHER (NO.8)							
	30	1	8T-9364	2	BOLT (1/4-20X.625IN)							
	31	1	8T-4205	2	WASHER-HARD (2MM THK)							
	32	2	8E-3860	1	HOLD-DOWN AS							
		2	7T-1099	2	LINK							
	33	2	3T-5760	4	BATTERY-MAINTENANCE FREE (12V) (750 AMP)							

# ELECTRICAL AND STARTING SYSTEM

**120-6535 BATTERY & WIRING GP (contd.)**

**i00943644**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
34	2		8P-1601	5	ROD							
	2		3K-6060	5	LOCKNUT (3/8-16 THD)							
35	2		5P-1075	6	WASHER-HARD (3MM THK)							
36	2		6Y-9377	1	WIRE AS							
37	2		3B-4615	5	PIN-COTTER							
38	2		3P-2179	1	CABLE AS							
E	2		5P-0747		CABLE (00GA) (15CM)							
	2		9G-0003	1	COVER (BLACK)							
	2		9G-0004	1	COVER (RED)							
	2		8C-5917	1	TERMINAL AS (POS)							
	2		8T-9757	1	TERMINAL AS (NEG)							
					(EACH TERMINAL AS INCLUDES)							
	2		1M-6119	1	BOLT-BATTERY TERMINAL (5/16-18X1.375IN)							
	2		1M-6120	1	NUT-BATTERY TERMINAL (5/16-18 THD)							
39	2		8E-5908	1	CABLE AS							
	2		9G-8909	1	COVER (BLACK) (RING)							
	2		1S-7252	1	TERMINAL (FOR 3/8IN BOLT)							
E	2		5P-0747		CABLE (00GA) (31CM)							
E	2		5P-0747		CABLE (00GA) (64.5CM)							
	2		7T-4925	1	COVER-TERMINAL (BLACK) (BATTERY) (2 OPENINGS)							
	2		9G-0005	1	COVER-TERMINAL (BLACK) (BATTERY) (SINGLE OPENING)							
	2		9S-5755	1	TERMINAL AS (NEG) (2 OPENINGS)							
	2		8C-5918	1	TERMINAL AS (NEG) (SINGLE OPENING)							
					(EACH TERMINAL AS INCLUDES)							
	2		1M-6119	1	BOLT-BATTERY TERMINAL (5/16-18X1.375IN)							
	2		1M-6120	1	NUT-BATTERY TERMINAL (5/16-18 THD)							
40	2		8E-5907	1	CABLE AS							
	2		1S-4915	2	LINER-CONDUIT							
	2		1S-7251	1	TERMINAL (FOR 1/2IN BOLT)							
E	2		5P-0695		CONDUIT (91CM)							
E	2		5P-0761		CABLE (00GA) (19CM)							
E	2		5P-0761		CABLE (00GA) (118CM)							
	2		7T-4924	1	COVER-TERMINAL (BATTERY) (RED) (2 OPENINGS)							
	2		8N-0869	1	COVER (RED) (RING TERMINAL)							
BE	2		8T-2225		TUBE							
	2		9G-0004	1	COVER (RED) (BATTERY) (SINGLE OPENING)							
	2		9S-5754	1	TERMINAL AS-POSITIVE UNION (2 OPENINGS)							
	2		8C-5917	1	TERMINAL AS (POS) (SINGLE OPENING)							
					(EACH TERMINAL AS INCLUDES)							
	2		1M-6119	1	BOLT-BATTERY TERMINAL (5/16-18X1.375IN)							
	2		1M-6120	1	NUT-BATTERY TERMINAL (5/16-18 THD)							
41	2		100-4336	1	CLIP (20.62MM ID)							
Y	42	2	9W-0742	1	JUNCTION BLOCK GP							365
43	2		8T-9383	2	BOLT (1/2-13X0.75IN)							
44	2		8T-4223	4	WASHER-HARD (3MM THK)							
45	2		8N-0869	1	COVER (RED)							
46	2		8M-2770	1	CLIP (12.7MM ID)							
47	2		6I-8612	1	HARNESS AS							
48	2		8T-4896	18	WASHER-HARD (2.5MM THK)							
49	2		5S-7379	8	BOLT (3/8-16X.875IN)							
50	2		8S-2634	1	COVER AS							
	2		2P-2975	2	SEAL-O-RING (17.17MM ID)							
	2		6I-9412	1	RECEPTACLE AS-AUXILIARY START							
	2		1S-4915	2	LINER-CONDUIT							
	2		1S-7251	2	TERMINAL (FOR 1/2IN BOLT)							
E	2		5P-0695		CONDUIT (91CM)							
E	2		5P-0761		CABLE (00GA) (117CM) (RED)							
E	2		5P-0747		CABLE (00GA) (70CM) (BLACK)							
BE	2		8T-2225		TUBE							

# ELECTRICAL AND STARTING SYSTEM

**120-6535 BATTERY & WIRING GP (contd.)**

**i00943644**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
51	2		<b>9W-3187</b>	1	SWITCH AS-PRESSURE (FUEL)	
	2		<b>6V-8376</b>	2	SCREW-MACHINE (8-32X.25IN)	
	2		<b>9B-7233</b>	2	LOCKWASHER (NO.8)	
52	2		<b>3J-1907</b>	1	SEAL-O-RING (11.89MM ID)	
53	2		<b>7N-9785</b>	1	SWITCH-TEMPERATURE (COOLANT)	
	2		<b>6V-8376</b>	2	SCREW-MACHINE (8-32X.25IN)	
	2		<b>9B-7233</b>	2	LOCKWASHER (NO.8)	
54	2		<b>3S-3216</b>	1	BRACKET	
55	2		<b>7K-1181</b>	37	STRAP-CABLE (4.00IN DIA)	
56	2		<b>8N-1693</b>	1	SWITCH AS-TEMPERATURE (ETHER AID ARMING)	
	2		<b>6V-8376</b>	2	SCREW-MACHINE (8-32X.25IN)	
	2		<b>9B-7233</b>	2	LOCKWASHER (NO.8)	
57	2		<b>9W-9873</b>	1	HARNESS AS	
58	2		<b>3T-3045</b>	3	CLIP AS (12MM ID)	
59	2		<b>8C-3569</b>	1	SWITCH AS-TEMPERATURE (ENGINE OIL)	
	2		<b>7N-7779</b>	1	SOCKET	
	2		<b>7N-7780</b>	1	PIN-CONNECTOR (BLADE)	
	2		<b>7N-9737</b>	1	HOUSING-PLUG (1 PIN, 1 SOCKET)	
60	2		<b>3T-3048</b>	6	CLIP AS (10.2MM ID)	
61	2		<b>3T-3047</b>	1	CLIP AS (20MM ID)	
62	2		<b>1K-9007</b>	1	GROMMET	
63	2		<b>3T-1444</b>	1	ALARM AS-BACKUP	
64	2		<b>7X-0291</b>	2	BOLT (3/8-16X3.75IN)	
65	2		<b>6V-8801</b>	1	NUT (3/8-16 THD)	
66	2		<b>9G-9150</b>	1	CLIP (10.2MM ID)	
67	2		<b>1S-0994</b>	2	CLIP (20.64MM ID)	
68	2		<b>1S-0994</b>	2	CLIP (20.64MM ID)	
69	2		<b>9W-2531</b>	1	CABLE AS	
	2		<b>1S-4915</b>	2	LINER-CONDUIT	
	2		<b>1S-7251</b>	2	TERMINAL (FOR 1/2IN BOLT)	
E	2		<b>5P-0695</b>		CONDUIT (105CM)	
E	2		<b>5P-0761</b>		CABLE (OOGA) (120CM)	
	2		<b>8N-0869</b>	2	COVER (RED)	
BE	2		<b>8T-2225</b>		TUBE	
70	2		<b>5M-3062</b>	1	BOLT (3/8-16X.75IN)	
71	2		<b>9V-3760</b>	1	STRIP	
72	2		<b>5C-6266</b>	1	BOLT (5/8-11X1IN)	
	2		<b>7X-0515</b>	1	WASHER (5MM THK)	
73	2		<b>8S-0948</b>	1	CLIP (20.64MM ID)	
74	2		<b>7X-0289</b>	1	BOLT (3/8-16X1.875IN)	
75	2		<b>3T-1480</b>	2	WIRE AS	
76	2		<b>6T-9661</b>	1	CABLE AS	
	2		<b>1S-7251</b>	1	TERMINAL (FOR 1/2IN BOLT) (STRAIGHT)	
E	2		<b>5P-0747</b>		CABLE (OOGA) (85CM)	
	2		<b>8S-3020</b>	1	TERMINAL-CABLE (90 DEGREE)	
77	2		<b>6V-8188</b>	1	NUT (1/2-13 THD)	
78	2		<b>1H-5166</b>	1	CLIP	
79	2		<b>8E-0599</b>	1	HARNESS AS-ENGINE	
80	2		<b>5P-4116</b>	3	WASHER (2MM THK)	
	2		<b>3S-8664</b>	3	CLIP (19.05MM ID)	
81	2		<b>4D-7794</b>	2	CLIP (10.0MM ID)	
82	2		<b>4P-8134</b>	1	CLIP	
83	3		<b>7K-1181</b>	18	STRAP-CABLE (4.00IN DIA)	
84	3		<b>9M-4972</b>	2	CLIP (28.58MM ID)	
85	3		<b>8E-1014</b>	1	RETAINER	
86	3		<b>6P-6641</b>	1	GROMMET	
87	3		<b>5S-7379</b>	2	BOLT (3/8-16X.875IN)	
88	3		<b>8T-4896</b>	9	WASHER-HARD (2.5MM THK)	
89	3		<b>5M-3062</b>	3	BOLT (3/8-16X.75IN)	

# ELECTRICAL AND STARTING SYSTEM

**120-6535 BATTERY & WIRING GP (contd.)**

**i00943644**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	90	3	9M-8406	1	CLIP (15.8MM ID)	
	91	3	4K-8864	1	CLIP (14.2MM ID)	
	92	3	6V-8801	1	NUT (3/8-16 THD)	
	93	3	9L-6331	1	BRACKET	
	94	3	9M-5711	1	PLUG-PROTECTION	
	95	3	3D-9799	2	SCREW-MACHINE	
	96	3	5P-1075	3	WASHER-HARD (3MM THK)	
	97	3	5P-8167	6	BOLT (3/8-16X.625IN)	
	98	3	8M-8948	3	FUSE (15 AMP)	
	99	3	6I-9472	1	FILM-FACE	
	100	3	3K-8782	6	FUSE (10 AMP)	
	101	3	4K-5122	9	HOLDER AS-FUSE (EACH INCLUDES)	
		3	7N-2867	1	CAP-FUSE HOLDER	
	102	3	8N-1537	1	LOCKWASHER-TOOTH	
		3	9G-4360	1	CAP-CONNECTOR	
	103	3	3T-3045	1	CLIP AS (12MM ID)	
	104	3	3T-3048	1	CLIP AS (10.2MM ID)	
Y	105	3	9G-9813	1	ALARM GP	289
	106	3	5P-6264	1	GROMMET	
	107	3	8T-4205	4	WASHER-HARD (2MM THK)	
	108	3	5S-7349	2	BOLT (1/4-20X0.5IN)	
Y	109	3	3E-0075	1	SWITCH GP-MAGNETIC (START RELAY)	421
	110	3	8T-9364	2	BOLT (1/4-20X.625IN)	
	111	3	3T-0376	1	SWITCH AS-MAGNETIC (MAIN RELAY)	
		3	4F-2294	2	NUT-JAM (5/16-24 THD)	
		3	6V-8186	2	NUT-FULL (5/16-24 THD)	
		3	6V-8378	2	NUT (10-32 THD)	
	112	3	8D-1470	1	GROMMET (35.92MM ID)	
	113	3	6I-9474	1	PANEL AS	
		3	1F-0750	2	NUT-WELD (3/8-16 THD)	
		3	9F-6445	2	NUT (1/4-20 THD)	
	114	3	9S-0173	1	CIRCUIT BREAKER AS (60 AMP)	
		3	6V-8378	2	NUT (10-32 THD)	
		3	8F-1434	2	LOCKWASHER (0.51MM THK)	
	115	3	6V-3265	3	CLIP (9.52MM ID)	
	116	3	6Y-2510	1	HARNESS AS	
	117	3	7T-0970	1	HORN AS (24 VOLT) (HIGH TONE)	
M	3	8C-7581	2	SCREW-MACHINE (M4X0.70X8MM)		
		3	9B-7233	2	LOCKWASHER (NO.8)	
	118	3	7T-0969	1	HORN AS (24 VOLT) (LOW TONE)	
M	3	8C-7581	1	SCREW-MACHINE (M4X0.70X8MM)		
		3	9B-7233	2	LOCKWASHER (NO.8)	
	119	2	8E-5909	1	CABLE AS	
E	2	5P-0747		CABLE (00GA) (19.5CM)		
	2	9G-0003	1	COVER (BLACK)		
	2	9G-0004	1	COVER (RED)		
	2	8C-5917	1	TERMINAL AS (POS)		
	2	8T-9757	1	TERMINAL AS (NEG)		
				(EACH TERMINAL AS INCLUDES)		
	2	1M-6119	1	BOLT-BATTERY TERMINAL (5/16-18X1.375IN)		
	2	1M-6120	1	NUT-BATTERY TERMINAL (5/16-18 THD)		

B-USE AS REQUIRED

E-ORDER BY THE CENTIMETER

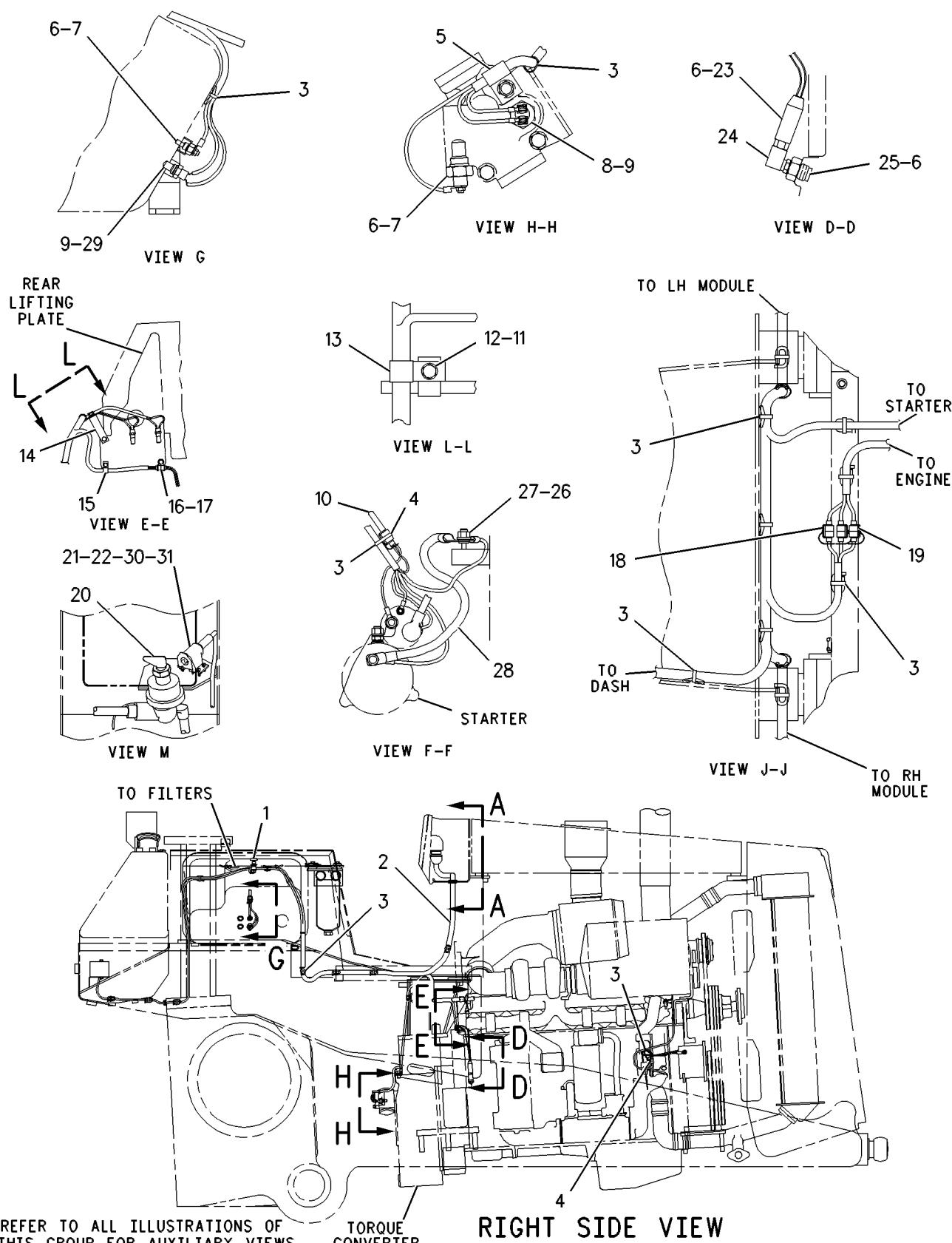
M-METRIC PART

Y-SEPARATE ILLUSTRATION

# ELECTRICAL AND STARTING SYSTEM

120-6535 BATTERY & WIRING GP (contd.)

i00943644



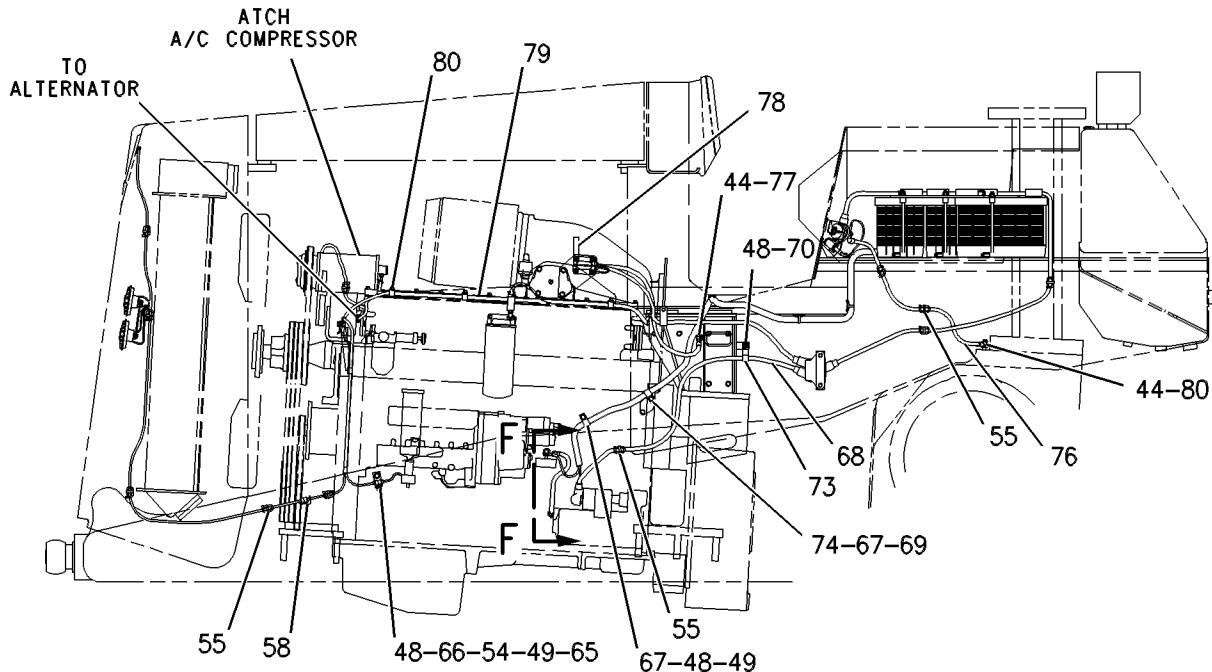
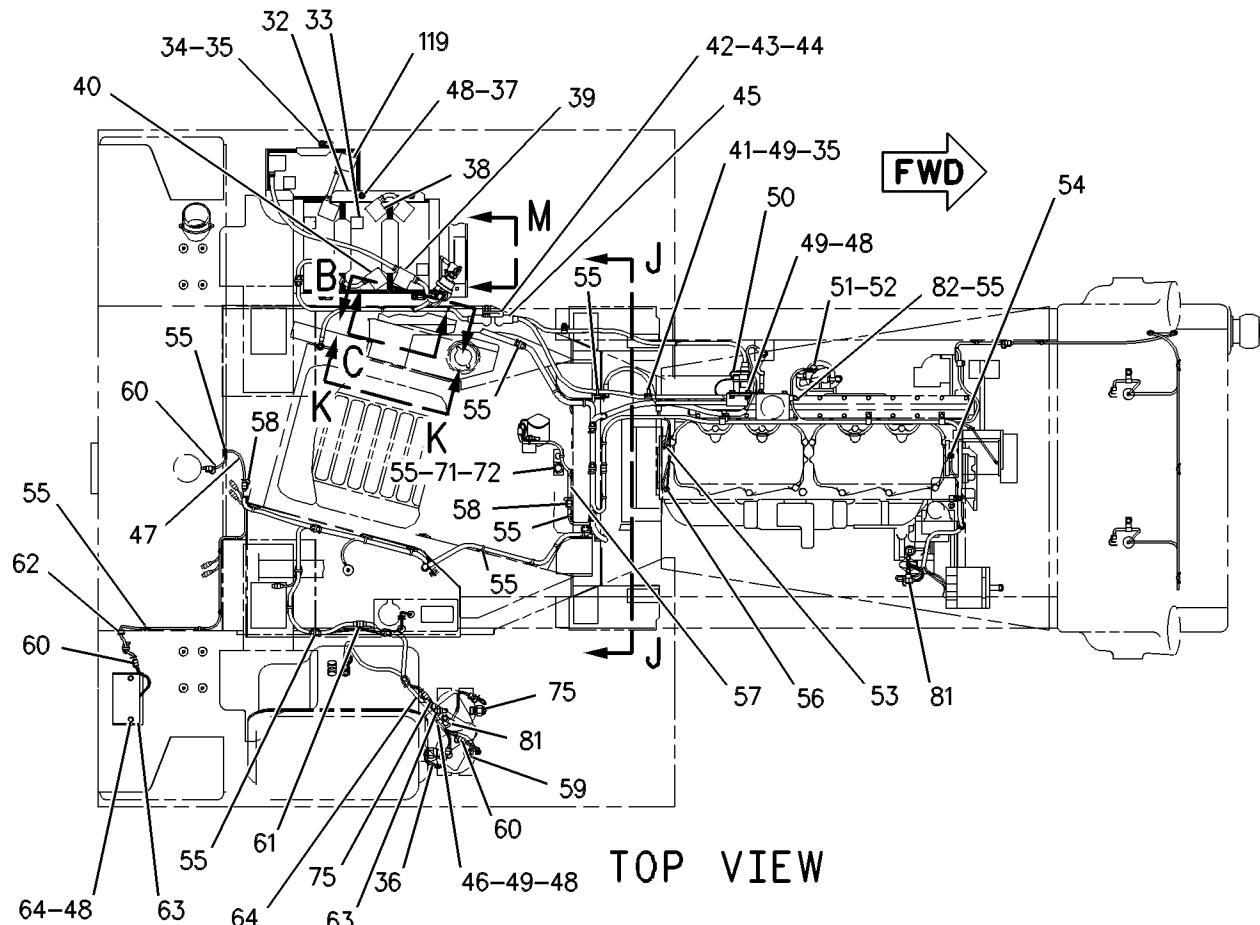
GRAPHIC #1

g00480497

# ELECTRICAL AND STARTING SYSTEM

120-6535 BATTERY & WIRING GP (contd.)

i00943644



REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

LEFT SIDE VIEW

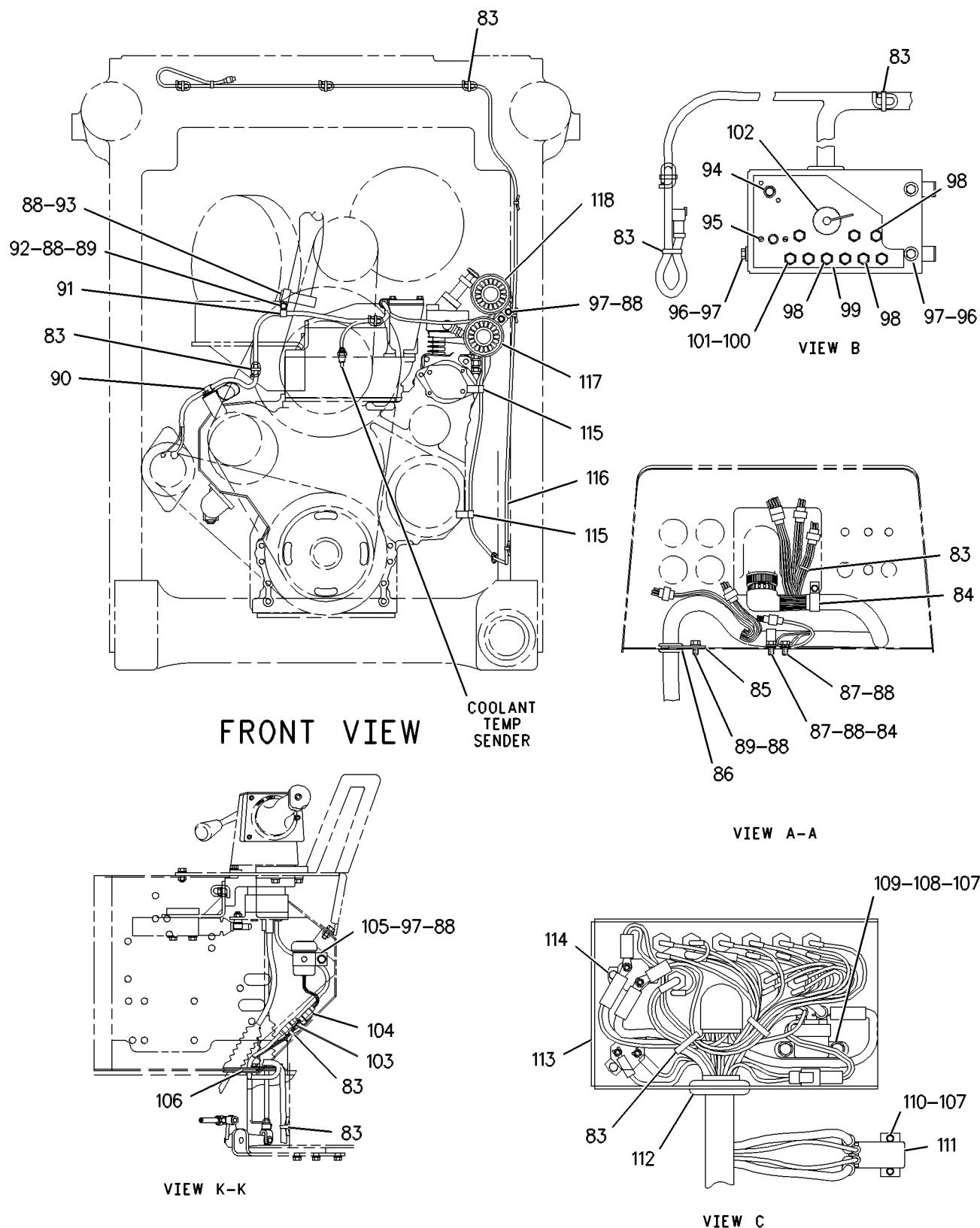
GRAPHIC #2

g00480563

# ELECTRICAL AND STARTING SYSTEM

120-6535 BATTERY & WIRING GP (*contd.*)

i00943644



GRAPHIC #3

g00480565

# ELECTRICAL AND STARTING SYSTEM

## 120-6535 BATTERY & WIRING GP

S/N: 9EM457-782

SMCS-1401, 1402, 1408

i00943645

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
	1	1	3T-2357	1	SWITCH AS-HORN							
		1	2H-3922	1	LOCKWASHER (1.27MM THK) (INTERNAL TOOTH-LARGE)							
		1	3B-4501	1	LOCKWASHER (1.02MM THK) (SPLIT)							
		1	5L-7200	1	SCREW (8-32X.375IN)							
		1	6V-8363	2	SCREW (10-32X.312IN)							
		1	6V-8370	1	NUT -HEX							
		1	7T-9515	1	KNOB-HORN							
		1	8F-1434	1	LOCKWASHER (0.51MM THK) (INTERNAL TOOTH-SMALL)							
		1	9X-0199	1	BOOT-SWITCH							
	2	1	6Y-4522	1	HARNESS AS							
C	3	1	7K-1181	13	STRAP-CABLE (4.00IN DIA)							
	4	1	3T-3048	2	CLIP AS (10.2MM ID)							
	5	1	5P-9297	1	CLIP (9.52MM ID)							
	6	1	3J-1907	4	SEAL-O-RING (11.89MM ID)							
	7	1	8N-3844	2	SENDER-TEMPERATURE (HYDRAULIC OIL)							
	8	1	3T-5825	1	SWITCH AS (POWER TRAIN TEMPERATURE)							
		1	6V-8376	2	SCREW-MACHINE (8-32X.25IN)							
		1	9B-7233	2	LOCKWASHER (NO.8)							
	9	1	3K-0360	2	SEAL-O-RING (16.36MM ID)							
	10	1	6T-2217	1	RESISTOR AS							
		1	7N-7780	1	PIN-CONNECTOR (BLADE)							
		1	7N-7779	1	SOCKET							
	11	1	5P-1075	1	WASHER-HARD (3MM THK)							
	12	1	5M-3062	1	BOLT (3/8-16X.75IN)							
	13	1	1S-1015	1	CLIP (20.46MM ID)							
	14	1	6T-2724	1	BRACKET AS							
		1	1F-0750	1	NUT-WELD (3/8-16 THD)							
	15	1	5P-9085	1	CLIP (7.94MM ID)							
	16	1	9G-9150	1	CLIP (10.2MM ID)							
	17	1	9B-7237	1	BOLT (3/8-16X1.25IN)							
	18	1	3T-3046	1	CLIP AS							
	19	1	3T-3047	2	CLIP AS (20MM ID)							
Y	20	1	7N-0718	1	SWITCH GP-DISCONNECT (BATTERY)							418
	21	1	125-4490	1	CLIP							
	22	1	102-9235	1	SOCKET AS-POWER							
		1	8T-8729	2	PIN-CONNECTOR							
		1	3E-3365	1	WEDGE							
	23	1	6T-4949	1	SWITCH AS (EMS OIL PRESSURE)							
		1	7N-7779	1	SOCKET							
		1	7N-7780	1	PIN-CONNECTOR (BLADE)							
		1	7N-9738	1	HOUSING-RECEPTACLE							
C	24	1	6V-8077	1	ELBOW-45 DEGREE (STRAIGHT THD)							
		1	2M-9780	1	SEAL-O-RING (19.18MM ID)							
	25	1	4T-9905	1	ADAPTER							
	26	1	8T-4223	1	WASHER-HARD (3MM THK)							
	27	1	6V-8188	1	NUT (1/2-13 THD)							
	28	1	2V-6166	1	CABLE AS							
E		1	5P-0747		CABLE (00GA) (41CM)							
		1	1S-7251	2	TERMINAL (FOR 1/2IN BOLT)							
	29	1	8N-2248	1	SWITCH AS-TEMPERATURE (HYDRAULIC OIL)							
	30	1	8T-9364	2	BOLT (1/4-20X.625IN)							
	31	1	8T-4205	2	WASHER-HARD (2MM THK)							
	32	2	8E-3860	1	HOLD-DOWN AS							
		2	7T-1099	2	LINK							
	33	2	3T-5760	4	BATTERY-MAINTENANCE FREE (12V) (750 AMP)							
	34	2	8P-1601	5	ROD							
		2	3K-6060	5	LOCKNUT (3/8-16 THD)							

# ELECTRICAL AND STARTING SYSTEM

**120-6535 BATTERY & WIRING GP (contd.)**

**i00943645**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
C	35	2	5P-1075	5	WASHER-HARD (3MM THK)	
	36	2	6Y-9377	1	WIRE AS	
	37	2	3B-4615	5	PIN-COTTER	
	38	2	8V-0622	1	CABLE AS	
E	2	5P-0761			CABLE (00GA) (14CM)	
	2	9G-0003			COVER (BLACK)	
	2	9G-0004			COVER (RED)	
	2	8C-5917			TERMINAL AS (POS)	
	2	8T-9757			TERMINAL AS (NEG)	
					(EACH TERMINAL AS INCLUDES)	
	2	1M-6119			BOLT-BATTERY TERMINAL (5/16-18X1.375IN)	
	2	1M-6120			NUT-BATTERY TERMINAL (5/16-18 THD)	
39	2	8E-5908			CABLE AS	
	2	9G-8909			COVER (BLACK) (RING)	
	2	1S-7252			TERMINAL (FOR 3/8IN BOLT)	
E	2	5P-0747			CABLE (00GA) (31CM)	
E	2	5P-0747			CABLE (00GA) (64.5CM)	
	2	7T-4925			COVER-TERMINAL (BLACK) (BATTERY) (2 OPENINGS)	
	2	9G-0005			COVER-TERMINAL (BLACK) (BATTERY) (SINGLE OPENING)	
	2	8C-5918			TERMINAL AS (NEG) (SINGLE OPENING)	
	2	9S-5755			TERMINAL AS (NEG) (2 OPENINGS)	
					(EACH TERMINAL AS INCLUDES)	
	2	1M-6119			BOLT-BATTERY TERMINAL (5/16-18X1.375IN)	
	2	1M-6120			NUT-BATTERY TERMINAL (5/16-18 THD)	
40	2	8E-5907			CABLE AS	
	2	1S-4915			LINER-CONDUIT	
	2	1S-7251			TERMINAL (FOR 1/2IN BOLT)	
E	2	5P-0695			CONDUIT (91CM)	
E	2	5P-0761			CABLE (00GA) (19CM)	
E	2	5P-0761			CABLE (00GA) (118CM)	
	2	7T-4924			COVER-TERMINAL (BATTERY) (RED) (2 OPENINGS)	
	2	8N-0869			COVER (RED) (RING TERMINAL)	
BE	2	8T-2225			TUBE	
	2	9G-0004			COVER (RED) (BATTERY) (SINGLE OPENING)	
	2	9S-5754			TERMINAL AS-POSITIVE UNION (2 OPENINGS)	
	2	8C-5917			TERMINAL AS (POS) (SINGLE OPENING)	
					(EACH TERMINAL AS INCLUDES)	
	2	1M-6119			BOLT-BATTERY TERMINAL (5/16-18X1.375IN)	
	2	1M-6120			NUT-BATTERY TERMINAL (5/16-18 THD)	
C	41	2	8T-2502	1	BOLT (3/8-16X1.13IN)	
Y	42	2	9W-0742	1	JUNCTION BLOCK GP	365
	43	2	8T-9383	2	BOLT (1/2-13X0.75IN)	
	44	2	8T-4223	4	WASHER-HARD (3MM THK)	
	45	2	8N-0869	1	COVER (RED)	
	46	2	8M-2770	1	CLIP (12.7MM ID)	
	47	2	6I-8612	1	HARNESS AS	
	48	2	8T-4896	18	WASHER-HARD (2.5MM THK)	
C	49	2	5S-7379	6	BOLT (3/8-16X.875IN)	
50	2	8S-2634			COVER AS	
	2	2P-2975			SEAL-O-RING (17.17MM ID)	
	2	6I-9412			RECEPTACLE AS-AUXILIARY START	
	2	1S-4915			LINER-CONDUIT	
	2	1S-7251			TERMINAL (FOR 1/2IN BOLT)	
E	2	5P-0695			CONDUIT (91CM)	
E	2	5P-0761			CABLE (00GA) (117CM) (RED)	
E	2	5P-0747			CABLE (00GA) (70CM) (BLACK)	
BE	2	8T-2225			TUBE	
C	51	2	3E-2024	1	SWITCH AS-PRESSURE (FUEL)	
	2	3E-3365			WEDGE	

# ELECTRICAL AND STARTING SYSTEM

**120-6535 BATTERY & WIRING GP (contd.)**

**i00943645**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	2		<b>8T-8729</b>	2	PIN-CONNECTOR	
	2		<b>102-8802</b>	1	KIT-RECEPTACLE (INCL RECEPTACLE AS & WEDGE)	
52	2		<b>3J-1907</b>	1	SEAL-O-RING (11.89MM ID)	
53	2		<b>7N-9785</b>	1	SWITCH-TEMPERATURE (COOLANT)	
	2		<b>6V-8376</b>	2	SCREW-MACHINE (8-32X.25IN)	
	2		<b>9B-7233</b>	2	LOCKWASHER (NO.8)	
54	2		<b>3S-3216</b>	1	BRACKET	
55	2		<b>7K-1181</b>	39	STRAP-CABLE (4.00IN DIA)	
56	2		<b>8N-1693</b>	1	SWITCH AS-TEMPERATURE (ETHER AID ARMING)	
	2		<b>6V-8376</b>	2	SCREW-MACHINE (8-32X.25IN)	
	2		<b>9B-7233</b>	2	LOCKWASHER (NO.8)	
57	2		<b>9W-9873</b>	1	HARNESS AS	
58	2		<b>3T-3045</b>	3	CLIP AS (12MM ID)	
59	2		<b>8C-3569</b>	1	SWITCH AS-TEMPERATURE (ENGINE OIL)	
	2		<b>7N-7779</b>	1	SOCKET	
	2		<b>7N-7780</b>	1	PIN-CONNECTOR (BLADE)	
	2		<b>7N-9737</b>	1	HOUSING-PLUG (1 PIN, 1 SOCKET)	
60	2		<b>3T-3048</b>	6	CLIP AS (10.2MM ID)	
61	2		<b>3T-3047</b>	1	CLIP AS (20MM ID)	
62	2		<b>1K-9007</b>	1	GROMMET	
63	2		<b>3T-1444</b>	1	ALARM AS-BACKUP	
	2		<b>9G-6259</b>	1	WIRE AS-ALARM	
64	2		<b>7X-0291</b>	2	BOLT (3/8-16X3.75IN)	
65	2		<b>6V-8801</b>	1	NUT (3/8-16 THD)	
66	2		<b>9G-9150</b>	1	CLIP (10.2MM ID)	
67	2		<b>1S-0994</b>	2	CLIP (20.64MM ID)	
68	2		<b>1S-0994</b>	2	CLIP (20.64MM ID)	
69	2		<b>9W-2531</b>	1	CABLE AS	
	2		<b>1S-4915</b>	2	LINER-CONDUIT	
	2		<b>1S-7251</b>	2	TERMINAL (FOR 1/2IN BOLT)	
E	2		<b>5P-0695</b>		CONDUIT (105CM)	
	2		<b>8N-0869</b>	2	COVER (RED)	
BE	2		<b>8T-2225</b>		TUBE	
70	2		<b>5M-3062</b>	1	BOLT (3/8-16X.75IN)	
71	2		<b>9V-3760</b>	1	STRIP	
72	2		<b>5C-6266</b>	1	BOLT (5/8-11X1IN)	
	2		<b>7X-0515</b>	1	WASHER (5MM THK)	
73	2		<b>8S-0948</b>	1	CLIP (20.64MM ID)	
74	2		<b>7X-0289</b>	1	BOLT (3/8-16X1.875IN)	
75	2		<b>3T-1480</b>	2	WIRE AS	
76	2		<b>6T-9661</b>	1	CABLE AS	
	2		<b>1S-7251</b>	1	TERMINAL (FOR 1/2IN BOLT) (STRAIGHT)	
E	2		<b>5P-0747</b>		CABLE (00GA) (85CM)	
	2		<b>8S-3020</b>	1	TERMINAL-CABLE (90 DEGREE)	
77	2		<b>6V-8188</b>	1	NUT (1/2-13 THD)	
78	2		<b>1H-5166</b>	1	CLIP	
79	2		<b>8E-0599</b>	1	HARNESS AS-ENGINE	
80	2		<b>5P-4116</b>	3	WASHER (2MM THK)	
	2		<b>3S-8664</b>	3	CLIP (19.05MM ID)	
81	2		<b>4D-7794</b>	2	CLIP (10.0MM ID)	
C	82	2	<b>4P-8134</b>	2	CLIP	
C	83	2	<b>1K-5888</b>	1	SPACER	
84	3		<b>7K-1181</b>	18	STRAP-CABLE (4.00IN DIA)	
85	3		<b>9M-4972</b>	2	CLIP (28.58MM ID)	
86	3		<b>8E-1014</b>	1	RETAINER	
87	3		<b>6P-6641</b>	1	GROMMET	
88	3		<b>5S-7379</b>	2	BOLT (3/8-16X.875IN)	
C	89	3	<b>8T-4896</b>	10	WASHER-HARD (2.5MM THK)	
C	90	3	<b>5M-3062</b>	4	BOLT (3/8-16X.75IN)	

# ELECTRICAL AND STARTING SYSTEM

**120-6535 BATTERY & WIRING GP (contd.)**

**i00943645**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	91	3	9M-8406	1	CLIP (15.8MM ID)	
	92	3	4K-8864	1	CLIP (14.2MM ID)	
C	93	3	6V-8801	2	NUT (3/8-16 THD)	
C	94	3	9L-6331	2	BRACKET	
	95	3	9M-5711	1	PLUG-PROTECTION	
	96	3	3D-9799	2	SCREW-MACHINE	
	97	3	5P-1075	3	WASHER-HARD (3MM THK)	
	98	3	5P-8167	6	BOLT (3/8-16X.625IN)	
	99	3	8M-8948	3	FUSE (15 AMP)	
	100	3	6I-9472	1	FILM-FACE	
	101	3	3K-8782	6	FUSE (10 AMP)	
	102	3	4K-5122	9	HOLDER AS-FUSE (EACH INCLUDES)	
		3	7N-2867	1	CAP-FUSE HOLDER	
	103	3	8N-1537	1	LOCKWASHER-TOOTH	
		3	9G-4360	1	CAP-CONNECTOR	
	104	3	3T-3045	1	CLIP AS (12MM ID)	
	105	3	3T-3048	1	CLIP AS (10.2MM ID)	
Y	106	3	9G-9813	1	ALARM GP	289
	107	3	5P-6264	1	GROMMET	
	108	3	8T-4205	4	WASHER-HARD (2MM THK)	
	109	3	5S-7349	2	BOLT (1/4-20X0.5IN)	
Y	110	3	3E-0075	1	SWITCH GP-MAGNETIC (START RELAY)	421
	111	3	8T-9364	2	BOLT (1/4-20X.625IN)	
	112	3	3T-0376	1	SWITCH AS-MAGNETIC (MAIN RELAY)	
		3	4F-2294	2	NUT-JAM (5/16-24 THD)	
		3	6V-8186	2	NUT-FULL (5/16-24 THD)	
		3	6V-8378	2	NUT (10-32 THD)	
	113	3	8D-1470	1	GROMMET (35.92MM ID)	
	114	3	6I-9474	1	PANEL AS	
		3	1F-0750	2	NUT-WELD (3/8-16 THD)	
		3	9F-6445	2	NUT (1/4-20 THD)	
	115	3	9S-0173	1	CIRCUIT BREAKER AS (60 AMP)	
		3	6V-8378	2	NUT (10-32 THD)	
		3	8F-1434	2	LOCKWASHER (0.51MM THK)	
C	116	3	6V-3265	2	CLIP (9.52MM ID)	
	117	3	6Y-2510	1	HARNESS AS	
	118	3	7T-0970	1	HORN AS (24 VOLT) (HIGH TONE)	
M		3	8C-7581	2	SCREW-MACHINE (M4X0.70X8MM)	
		3	9B-7233	2	LOCKWASHER (NO.8)	
	119	3	7T-0969	1	HORN AS (24 VOLT) (LOW TONE)	
M		3	8C-7581	1	SCREW-MACHINE (M4X0.70X8MM)	
		3	9B-7233	2	LOCKWASHER (NO.8)	
C	120	3	4D-7794	1	CLIP (10.0MM ID)	
	121	2	8E-5909	1	CABLE AS	
E		2	5P-0747		CABLE (00GA) (19.5CM)	
		2	9G-0003	1	COVER (BLACK)	
		2	9G-0004	1	COVER (RED)	
		2	8C-5917	1	TERMINAL AS (POS)	
		2	8T-9757	1	TERMINAL AS (NEG)	
					(EACH TERMINAL AS INCLUDES)	
		2	1M-6119	1	BOLT-BATTERY TERMINAL (5/16-18X1.375IN)	
		2	1M-6120	1	NUT-BATTERY TERMINAL (5/16-18 THD)	

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

E-ORDER BY THE CENTIMETER

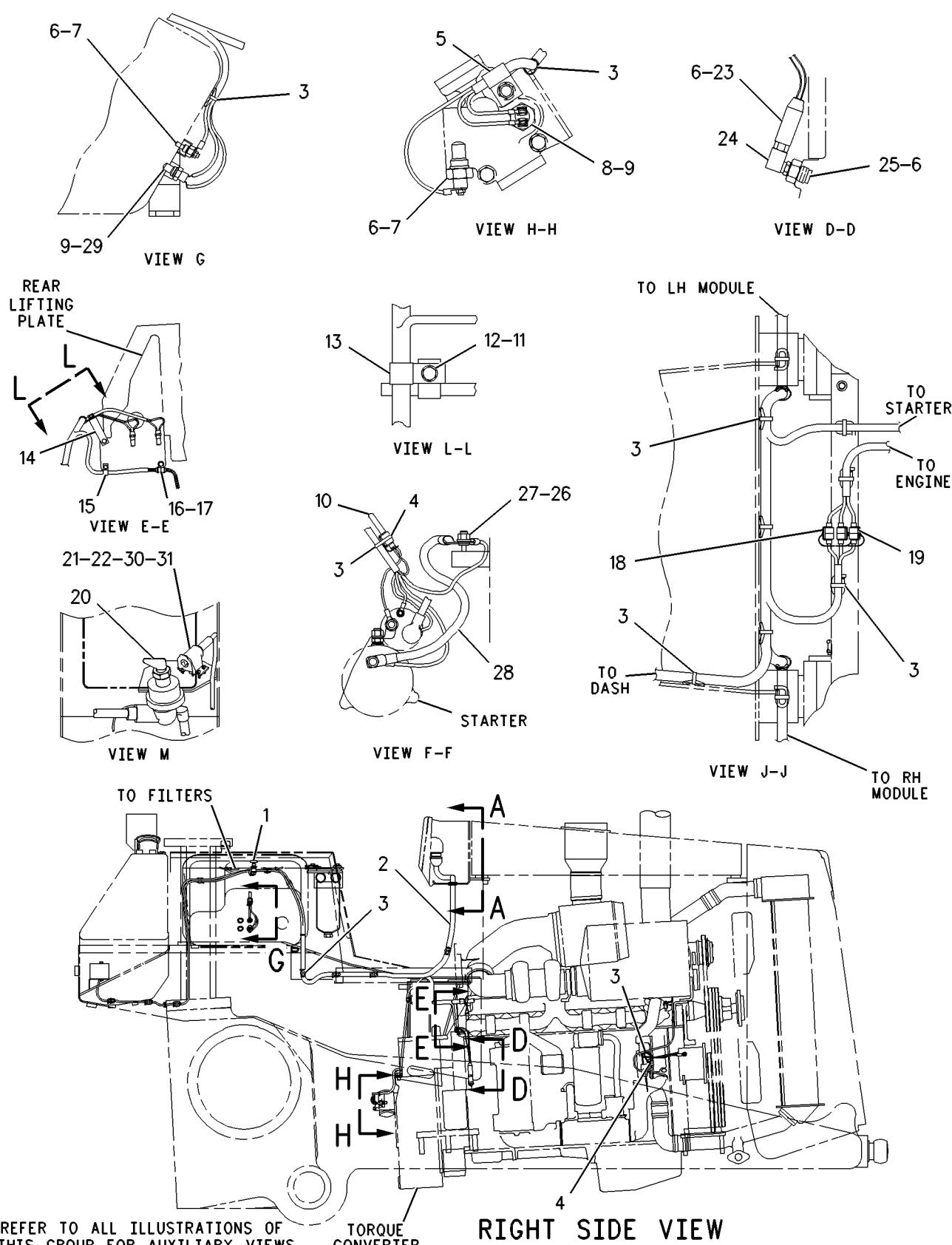
M-METRIC PART

Y-SEPARATE ILLUSTRATION

# ELECTRICAL AND STARTING SYSTEM

120-6535 BATTERY & WIRING GP (contd.)

i00943645



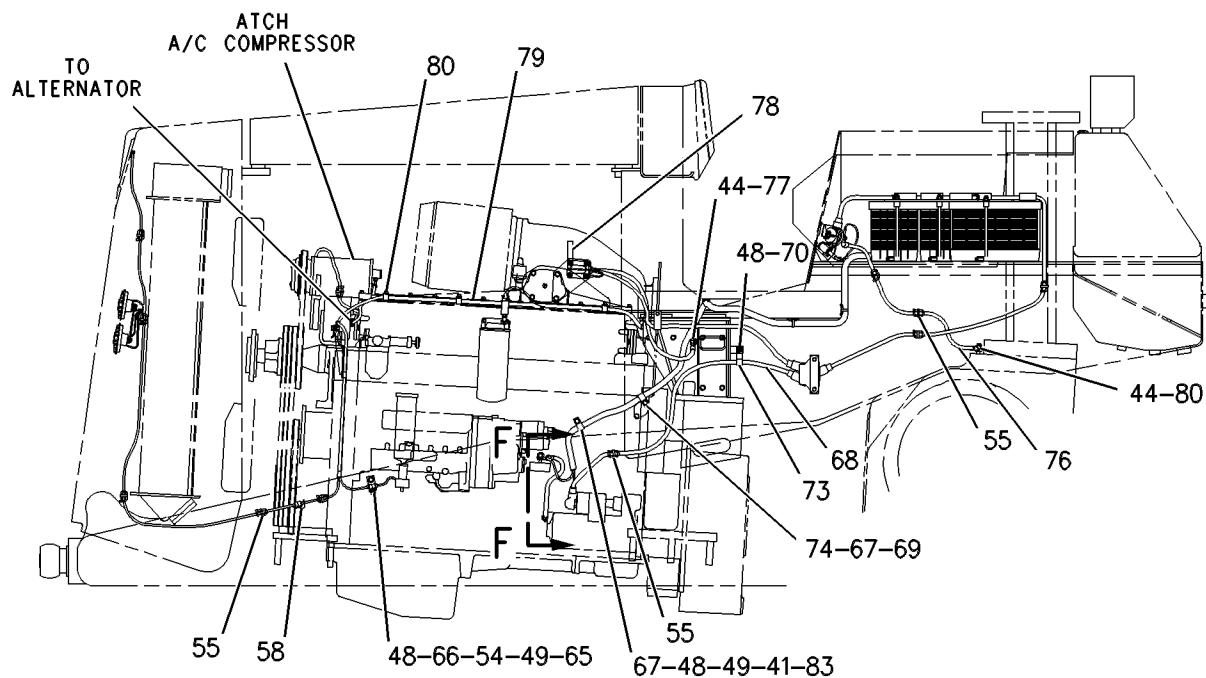
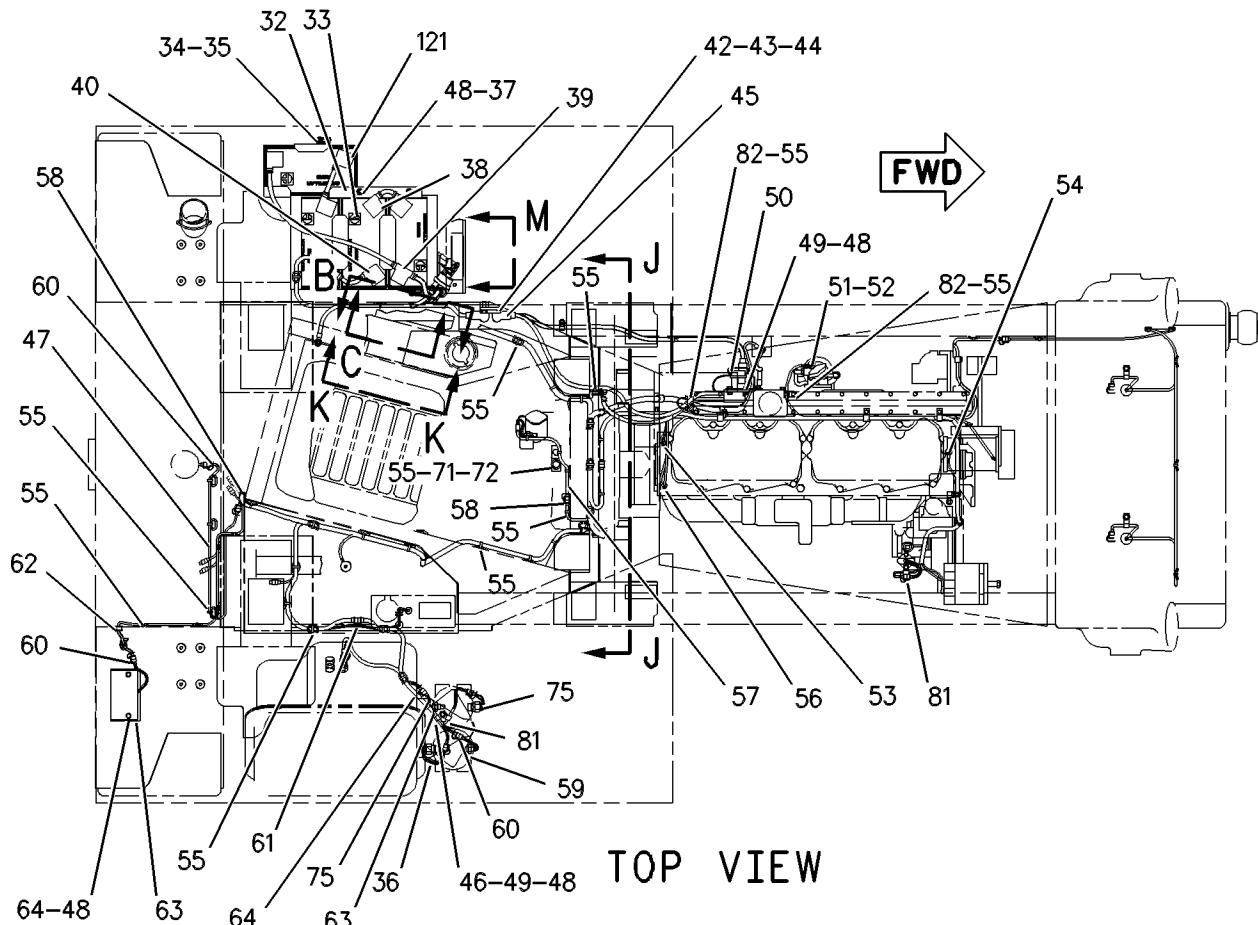
GRAPHIC #1

g00480497

# ELECTRICAL AND STARTING SYSTEM

120-6535 BATTERY & WIRING GP (contd.)

i00943645



REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

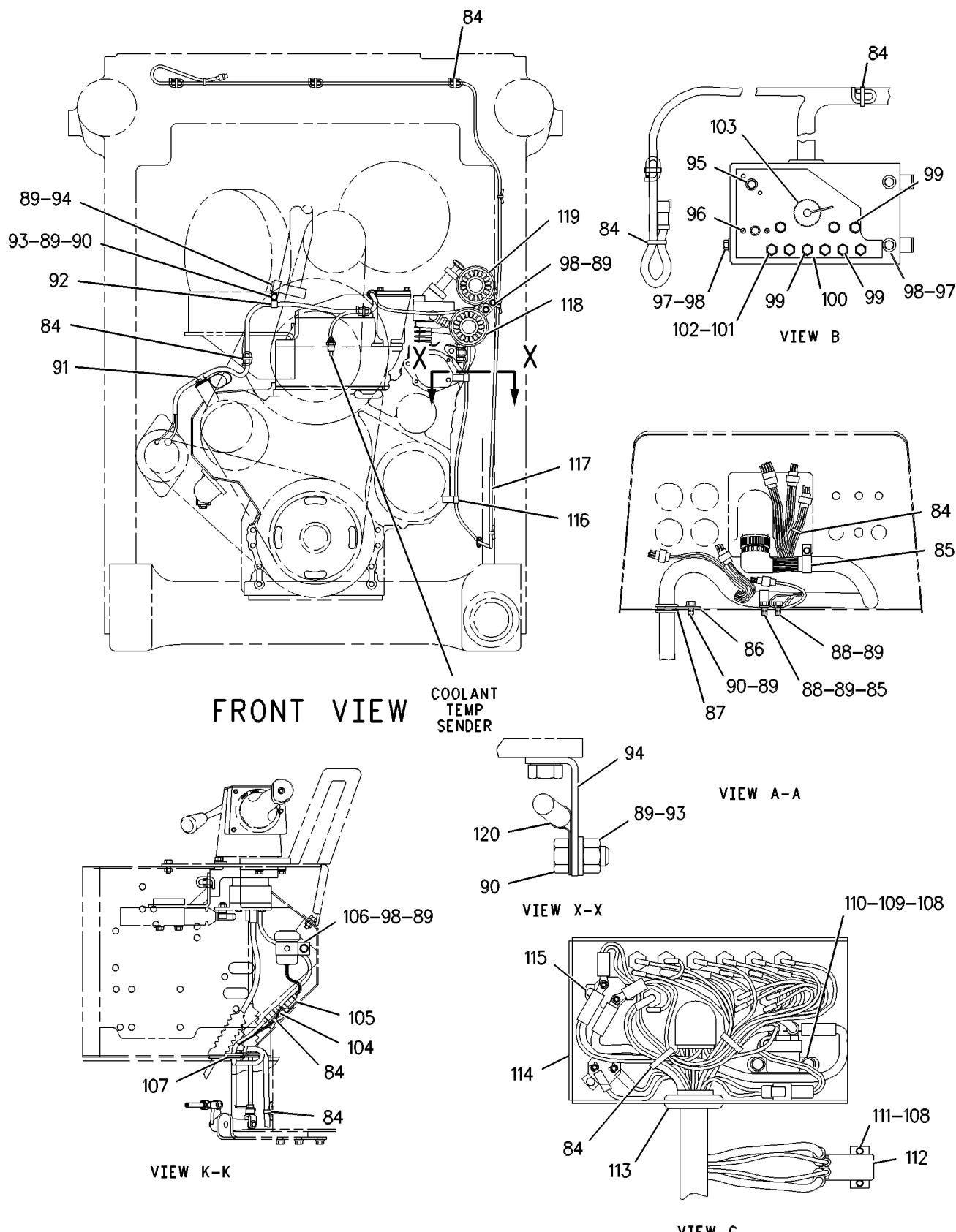
GRAPHIC #2

g00481073

# ELECTRICAL AND STARTING SYSTEM

120-6535 BATTERY & WIRING GP (*contd.*)

i00943645



GRAPHIC #3

g00481074

# ELECTRICAL AND STARTING SYSTEM

## 120-6535 BATTERY & WIRING GP

S/N: 9EM783-897

SMCS-1401, 1402, 1408

i01219637

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		8E-3860	1	HOLD-DOWN AS	
			7T-1099	2	LINK	
2	1		3T-5760	4	BATTERY-MAINTENANCE FREE (12 VOLT) (750 AMP)	
3	1		8P-1601	5	ROD	
4	1, 2, 3		5P-1075	9	WASHER-HARD (3MM THK)	
5	1		6Y-9377	1	WIRE AS	
6	1		3B-4615	5	PIN-COTTER	
7	1		8V-0622	1	CABLE AS	
E	1		5P-0761		CABLE (OOGA) (RED) (14CM)	
	1		9G-0003	1	COVER (BLACK)	
	1		9G-0004	1	COVER (RED)	
	1		8C-5917	1	TERMINAL AS	
	1		8T-9757	1	TERMINAL AS	
	1		1M-6119	1	BOLT (5/16-18X1.375IN)	
	1		1M-6120	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
8	1		8E-5908	1	CABLE AS	
9	1		9G-8909	1	COVER (BLACK) (RING)	
	1		1S-7252	1	TERMINAL (FOR 3/8IN BOLT)	
E	10	1	5P-0747		CABLE (OOGA) (BLACK) (31CM)	
E	11	1	5P-0747		CABLE (OOGA) (BLACK) (64.5CM)	
12	1		7T-4925	1	COVER-TERMINAL (BLACK) (BATTERY) (2 OPENINGS)	
13	1		9G-0005	1	COVER-TERMINAL (BLACK) (BATTERY) (SINGLE OPENING)	
	1		8C-5918	1	TERMINAL AS (NEG) (SINGLE OPENING)	
14	1		9S-5755	1	TERMINAL AS (2 OPENINGS) (EACH TERMINAL AS INCLUDES)	
	1		1M-6119	1	BOLT (5/16-18X1.375IN)	
	1		1M-6120	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
15	1		8E-5907	1	CABLE AS	
	1		1S-4915	2	LINER-CONDUIT	
BE	1		8T-2225		TUBE	
E	16	1	5P-0761		CABLE (OOGA) (RED) (19CM)	
E	1		5P-0695		CONDUIT (91CM)	
E	17	1	5P-0761		CABLE (OOGA) (RED) (118CM)	
18	1		1S-7251	1	TERMINAL (FOR 1/2IN BOLT)	
	1		8N-0869	1	COVER (RED) (RING TERMINAL)	
19	1		9G-0004	1	COVER (RED) (BATTERY) (SINGLE OPENING)	
20	1		7T-4924	1	COVER-TERMINAL (BATTERY) (RED) (2 OPENINGS)	
	1		9S-5754	1	TERMINAL AS (2 OPENINGS)	
21	1		8C-5917	1	TERMINAL AS (SINGLE OPENING) (EACH TERMINAL AS INCLUDES)	
	1		1M-6119	1	BOLT (5/16-18X1.375IN)	
	1		1M-6120	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
22	1		3Y-2888	1	CONNECTOR	
23	1, 2		3J-1907	5	SEAL-O-RING (11.89MM ID)	
24	1		8L-5008	1	ELBOW-PIPE	
25	1		7N-9785	1	SWITCH-TEMPERATURE (COOLANT)	
	1		6V-8376	2	SCREW-MACHINE (8-32X.25IN)	
	1		9B-7233	2	LOCKWASHER (NO.8)	
26	1		5P-4116	3	WASHER (2MM THK)	
27	1		6N-5926	1	SENDER-TEMPERATURE	
28	1		3E-6425	1	SWITCH AS-TEMPERATURE (ETHER AID ARMING)	
	1		8T-8729	2	PIN-CONNECTOR	
	1		3E-3365	1	WEDGE-RECEPTACLE LOCK	
	1		8T-8730	2	SOCKET-CONNECTOR	
	1		102-8807	1	KIT-CONNECTING PLUG (2 PIN) (INCLUDES WEDGE AND PLUG AS)	

# ELECTRICAL AND STARTING SYSTEM

**120-6535 BATTERY & WIRING GP (contd.)**

**i01219637**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
	1		6V-8376	2	SCREW-MACHINE (8-32X.25IN)							
	1		9B-7233	2	LOCKWASHER (NO.8)							
B	29	1,2,3	7K-1181	70	STRAP-CABLE (4IN DIA)							
	30	1	9W-9873	1	HARNESS AS							
	31	1,3	3T-3045	4	CLIP AS (12MM ID)							
	32	1	3E-9350	1	SWITCH AS-TEMPERATURE (POWER TRAIN OIL)							
	1		3E-3365	1	WEDGE-RECEPTACLE LOCK							
	1		8T-8729	2	PIN-CONNECTOR							
	1		102-8807	1	KIT-CONNECTING PLUG (2 PIN) (INCLUDES WEDGE AND PLUG AS)							
	1		6V-8376	2	SCREW-MACHINE (8-32X.25IN)							
	1		9B-7233	2	LOCKWASHER (NO.8)							
	1		8T-8730	2	SOCKET-CONNECTOR							
	33	1	6Y-4523	1	HARNESS AS-RH							
	34	1	8C-3569	1	SWITCH AS-TEMPERATURE (ENGINE OIL)							
	1		7N-7779	1	SOCKET							
	1		7N-7780	1	PIN-CONNECTOR (BLADE)							
	1		7N-9737	1	HOUSING-PLUG							
	35	1,2	3T-3048	9	CLIP AS (10.2MM ID)							
	36	1	3T-1815	1	ALARM GP							
	1		9G-6259	1	WIRE AS-ALARM							
	37	1	7X-0291	2	BOLT (3/8-16X3.75IN)							
	38	1,3	6V-8801	3	NUT (3/8-16 THD)							
	39	1	1K-9007	1	GROMMET							
	40	1	9V-3760	1	STRIP							
	41	1	5C-6266	1	BOLT (5/8-11X1IN)							
	42	1	7X-0515	1	WASHER (5MM THK)							
CY	43	1	9X-7781	1	SWITCH GP-BYPASS							416
C	44	1,2	3T-3047	4	CLIP AS (20MM ID)							
	45	2	3T-2357	1	SWITCH AS-HORN							
	2		3B-4501	1	LOCKWASHER (1.02MM THK) (SPLIT)							
	2		5L-7200	1	SCREW (8-32X.375IN)							
	2		7T-9515	1	KNOB-HORN							
	2		9X-0199	1	BOOT-SWITCH							
	46	2	6V-8370	1	NUT-HEX (3/4-32 THD)							
	2		2H-3922	1	LOCKWASHER (19.9X31.3X1.3MM THK) (INTERNAL TOOTH-LARGE)							
	47	2	8F-1434	2	LOCKWASHER (5.07MM ID) (INTERNAL TOOTH-SMALL)							
	2		6V-8363	2	SCREW (10-32X.312IN)							
	48	2	6Y-4522	1	HARNESS AS							
	49	2	5P-9085	1	CLIP (7.94MM ID) (7.94MM ID)							
	50	1,2	9G-9150	2	CLIP (10.2MM ID)							
	51	2	9B-7237	1	BOLT (3/8-16X1.25IN)							
	52	2	6T-2724	1	BRACKET AS							
	2		1F-0750	1	NUT-WELD (3/8-16 THD)							
	53	2	1S-1015	1	CLIP (20.46MM ID)							
	54	3	6V-3265	2	CLIP (9.52MM ID)							
	55	2	8N-3844	2	SENDER-TEMPERATURE (HYDRAULIC OIL)							
	56	2	3T-5825	1	SWITCH AS (POWER TRAIN TEMPERATURE)							
	2		6V-8376	2	SCREW-MACHINE (8-32X.25IN)							
	2		9B-7233	2	LOCKWASHER (NO.8)							
	57	2	3K-0360	2	SEAL-O-RING (16.36MM ID)							
	58	2	5P-9297	1	CLIP (9.52MM ID)							
	59	1,2	6V-8188	3	NUT (1/2-13 THD)							
	60	1	1S-0994	2	CLIP (20.64MM ID)							
	61	1	9W-2531	1	CABLE AS							
	1		1S-4915	2	LINER-CONDUIT							
	1		1S-7251	2	TERMINAL (FOR 1/2IN BOLT)							
E	1		5P-0695		CONDUIT (105CM)							

# ELECTRICAL AND STARTING SYSTEM

**120-6535 BATTERY & WIRING GP (contd.)**

i01219637

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
E	1		<b>5P-0761</b>		CABLE (00GA) (RED) (120CM)	
	1		<b>8N-0869</b>	2	COVER (RED)	
BE	1		<b>8T-2225</b>		TUBE	
62	1		<b>3S-8664</b>	3	CLIP (19.05MM ID)	
63	1		<b>2B-0941</b>	1	SPACER (19MM THK)	
64	1		<b>8E-0599</b>	1	HARNESS AS-ENGINE	
65	1		<b>6T-9661</b>	1	CABLE AS	
	1		<b>1S-7251</b>	1	TERMINAL (FOR 1/2IN BOLT) (STRAIGHT)	
E	1		<b>5P-0747</b>		CABLE (00GA) (BLACK) (85CM)	
	1		<b>8S-3020</b>	1	TERMINAL-CABLE (90 DEGREE)	
66	2		<b>6T-2217</b>	1	RESISTOR AS	
	2		<b>7N-9737</b>	1	HOUSING-PLUG	
	2		<b>7N-7780</b>	1	PIN-CONNECTOR (BLADE)	
	2		<b>7N-7779</b>	1	SOCKET	
67	2		<b>4T-9905</b>	1	ADAPTER	
68	2		<b>6V-8077</b>	1	ELBOW-45 DEGREE (STRAIGHT THD)	
69	2		<b>2V-6166</b>	1	CABLE AS	
E	2		<b>5P-0747</b>		CABLE (00GA) (BLACK) (41 CM)	
	2		<b>1S-7251</b>	2	TERMINAL (FOR 1/2IN BOLT)	
70	2		<b>2M-9780</b>	1	SEAL-O-RING (19.18MM ID)	
71	2		<b>6T-4949</b>	1	SWITCH AS (EMS OIL PRESSURE)	
	2		<b>7N-7779</b>	1	SOCKET	
	2		<b>7N-7780</b>	1	PIN-CONNECTOR (BLADE)	
	2		<b>7N-9738</b>	1	HOUSING-RECEPTACLE	
72	3		<b>7T-0969</b>	1	HORN AS (24 VOLT) (LOW TONE)	
	3		<b>096-6166</b>	2	WASHER-HARD (1MM THK)	
M	3		<b>8C-7581</b>	2	SCREW-MACHINE (M4X0.70X8MM)	
	3		<b>9B-7233</b>	2	LOCKWASHER (NO.8)	
73	3		<b>5P-8167</b>	6	BOLT (3/8-16X.625IN)	
74	3		<b>7T-0970</b>	1	HORN AS (24 VOLT) (HIGH TONE)	
	3		<b>096-6166</b>	2	WASHER-HARD (1MM THK)	
M	3		<b>8C-7581</b>	2	SCREW-MACHINE (M4X0.70X8MM)	
	3		<b>9B-7233</b>	2	LOCKWASHER (NO.8)	
75	3		<b>9L-6331</b>	2	BRACKET	
76	3		<b>4K-8864</b>	1	CLIP (14.2MM ID)	
77	3		<b>6Y-2510</b>	1	HARNESS AS	
78	3		<b>6P-6641</b>	1	GROMMET	
79	3		<b>8E-1014</b>	1	RETAINER	
80	3		<b>9M-4972</b>	2	CLIP (28.58MM ID)	
81	3		<b>8D-1470</b>	1	GROMMET (35.92MM ID)	
82	3		<b>6I-9474</b>	1	PANEL AS	
	3		<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)	
	3		<b>9F-6445</b>	5	NUT-WELD (1/4-20 THD)	
Y	83	3	<b>3E-0075</b>	1	SWITCH GP-MAGNETIC (START RELAY)	421
	84	3	<b>5S-7349</b>	2	BOLT (1/4-20X0.5IN)	
85	2,3		<b>8T-4205</b>	6	WASHER-HARD (2MM THK)	
86	3		<b>5P-6264</b>	1	GROMMET	
Y	87	3	<b>9G-9813</b>	1	ALARM GP	289
	88	3	<b>9M-5711</b>	1	PLUG-PROTECTION	
89	3		<b>9G-4360</b>	1	CAP-CONNECTOR	
90	1		<b>8E-5909</b>	1	CABLE AS	
E	1		<b>5P-0747</b>		CABLE (00GA) (BLACK) (19.5CM)	
	1		<b>9G-0003</b>	1	COVER (BLACK)	
	1		<b>9G-0004</b>	1	COVER (RED)	
	1		<b>8C-5917</b>	1	TERMINAL AS	
	1		<b>8T-9757</b>	1	TERMINAL AS	
					(EACH TERMINAL AS INCLUDES)	
1			<b>1M-6119</b>	1	BOLT (5/16-18X1.375IN)	
1			<b>1M-6120</b>	1	NUT-BATTERY TERMINAL (5/16-18 THD)	

# ELECTRICAL AND STARTING SYSTEM

**120-6535 BATTERY & WIRING GP (contd.)**

**i01219637**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	91	3	8N-1537	1	LOCKWASHER	
	92	3	3D-9799	2	SCREW-MACHINE (8-32X.875IN)	
	93	3	3K-8782	6	FUSE (10 AMP)	
	94	3	4K-5122	9	HOLDER AS-FUSE	
	95	3	8M-8948	3	FUSE (15 AMP)	
	96	2	8N-2248	1	SWITCH AS-TEMPERATURE (HYDRAULIC OIL)	
		2	6V-8376	2	SCREW-MACHINE (8-32X.25IN)	
		2	9B-7233	2	LOCKWASHER (NO.8)	
	97	1	3T-1480	2	WIRE AS	
C	98	1,3	4D-7794	2	CLIP (10.0MM ID)	
	99	3	9M-8406	1	CLIP (15.8MM ID)	
C	100	1	8M-2770	2	CLIP (12.7MM ID)	
	101	1	3S-3216	1	BRACKET	
	102	1	8S-0948	1	CLIP (20.64MM ID)	
	103	1	8T-2502	1	BOLT (3/8-16X1.125IN)	
	104	2	102-9235	1	SOCKET AS-POWER	
		2	102-8802	1	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE AS & PART MARKED J)	
		2	8T-8729	2	PIN-CONNECTOR	
		2	3E-3365	1	WEDGE-RECEPTACLE LOCK	
	105	2	125-4490	1	CLIP	
C	106	3	165-4026	1	SWITCH AS-MAGNETIC (MAIN RELAY)	
		3	4F-2294	2	NUT-JAM (5/16-24 THD)	
		3	6V-8186	2	NUT-FULL (5/16-24 THD)	
		3	6V-8378	2	NUT (10-32 THD)	
	107	2,3	8T-9364	4	BOLT (1/4-20X.625IN)	
	108	1	3K-6060	5	LOCKNUT (3/8-16 THD)	
	109	3	6T-3645	1	CIRCUIT BREAKER (60 AMP) (60 AMP)	
		3	8T-0328	2	WASHER-HARD (1MM THK)	
		3	6V-8378	2	NUT (10-32 THD)	
		3	8F-1434	2	LOCKWASHER (5.07MM ID)	
	110	1	7X-0289	1	BOLT (3/8-16X1.875IN)	
	111	1	4P-8134	2	CLIP (10.5MM ID)	
Y	112	2	7N-0718	1	SWITCH GP-DISCONNECT (BATTERY)	418
Y	113	1	9W-0742	1	JUNCTION BLOCK GP	365
	114	1	8T-9383	2	BOLT (1/2-13X0.75IN)	
	115	2	8T-4223	5	WASHER-HARD (3MM THK)	
	116	1	8N-0869	1	COVER (RED)	
	117	3	6I-9472	1	FILM-FACE	
	118	1	6I-8612	1	HARNESS AS	
C	119	1,3	8T-4896	29	WASHER-HARD (2.5MM THK)	
C	120	1,3	5S-7379	9	BOLT (3/8-16X.875IN)	
	121	1	8S-2634	1	COVER AS	
		1	2P-2975	2	SEAL-O-RING (17.17MM ID)	
	122	1	6I-9412	1	RECEPTACLE AS-AUXILIARY START	
		1	1S-4915	2	LINER-CONDUIT	
		1	1S-7251	2	TERMINAL (FOR 1/2IN BOLT)	
E		1	5P-0695		CONDUIT (91CM)	
E		1	5P-0761		CABLE (00GA) (RED) (117CM)	
E		1	5P-0747		CABLE (00GA) (BLACK) (70CM)	
		1	6V-2722	1	TUBE-SHRINKABLE	
BE		1	8T-2225		TUBE	
	123	1	3E-2024	1	SWITCH AS-PRESSURE (FUEL)	
		1	3E-3365	1	WEDGE-RECEPTACLE LOCK	
		1	8T-8729	2	PIN-CONNECTOR	
		1	102-8802	1	KIT-RECEPTACLE (2 PIN) (INCLUDES WEDGE AND PLUG AS)	
		1	8T-8730	2	SOCKET-CONNECTOR	
	124	1	1H-5166	1	CLIP	

# ELECTRICAL AND STARTING SYSTEM

120-6535 BATTERY & WIRING GP (*contd.*)

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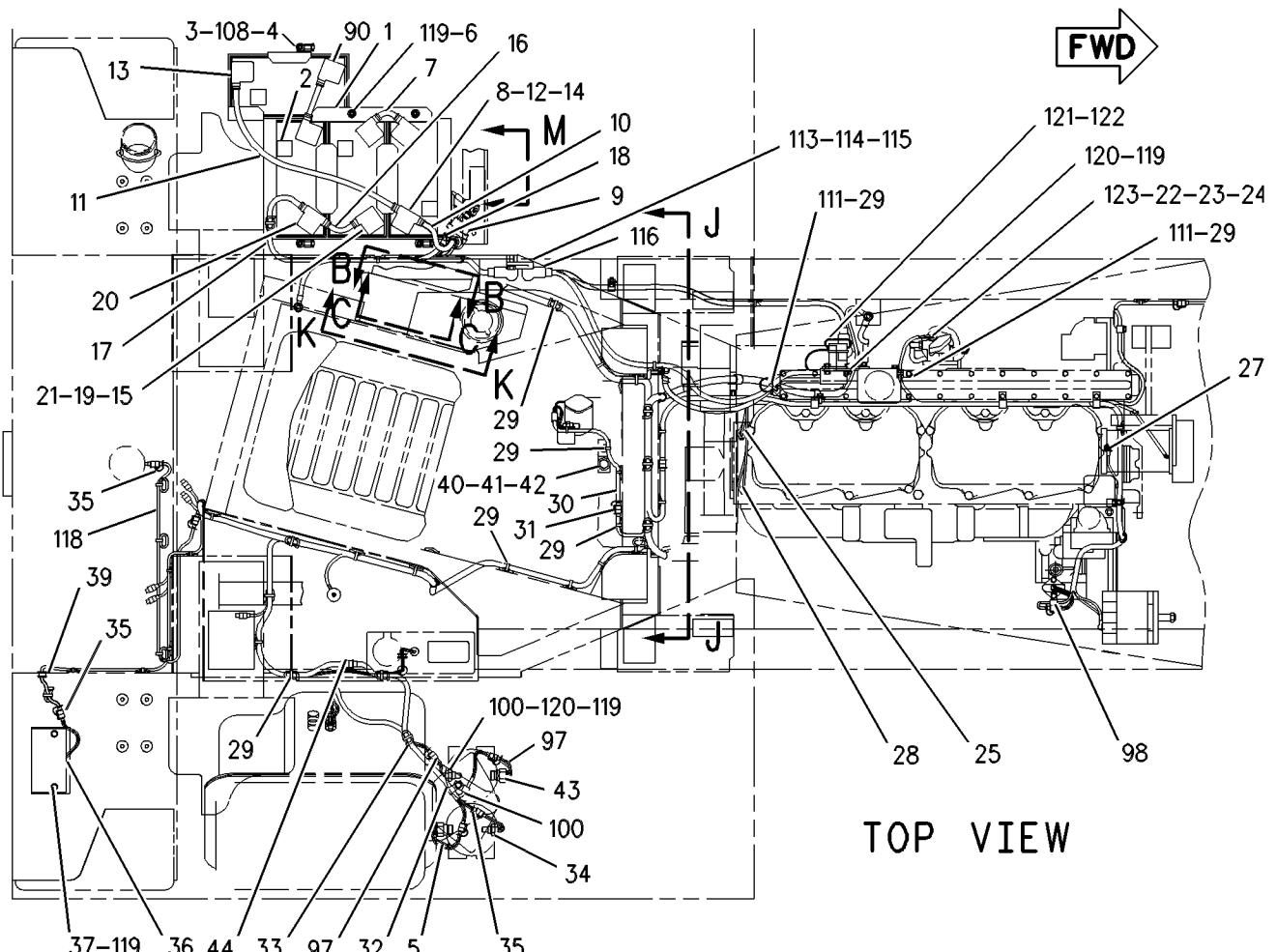
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)
					1	2	3	4	5	6	
	125	1, 2, 3	5M-3062	6	BOLT	(3/8-16X.75IN)					
	126	1	1K-5888	1	SPACER						

B-USE AS REQUIRED  
C-CHANGE FROM PREVIOUS TYPE  
E-ORDER BY THE CENTIMETER  
M-METRIC PART  
Y-SEPARATE ILLUSTRATION

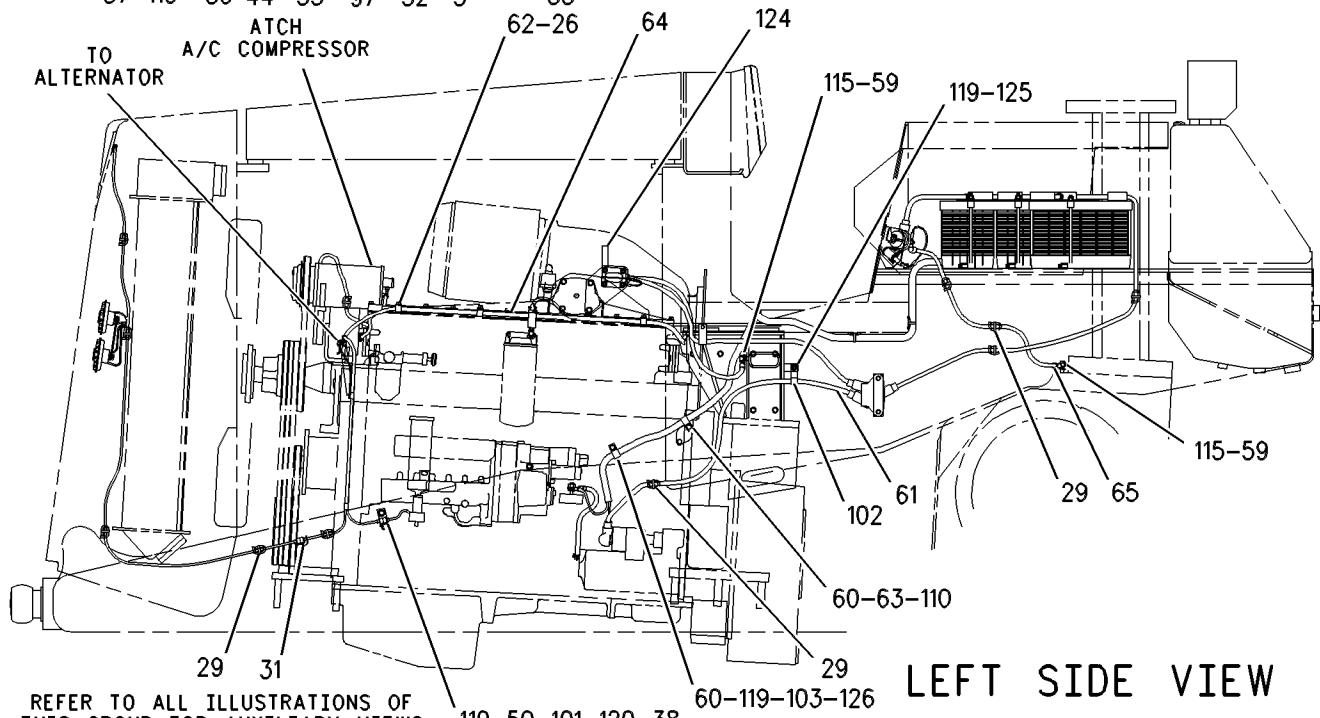
# ELECTRICAL AND STARTING SYSTEM

## **120-6535 BATTERY & WIRING GP (contd.)**

i01219637



TOP VIEW



REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

119-50-101-120-38 60-119-103-126

## LEFT SIDE VIEW

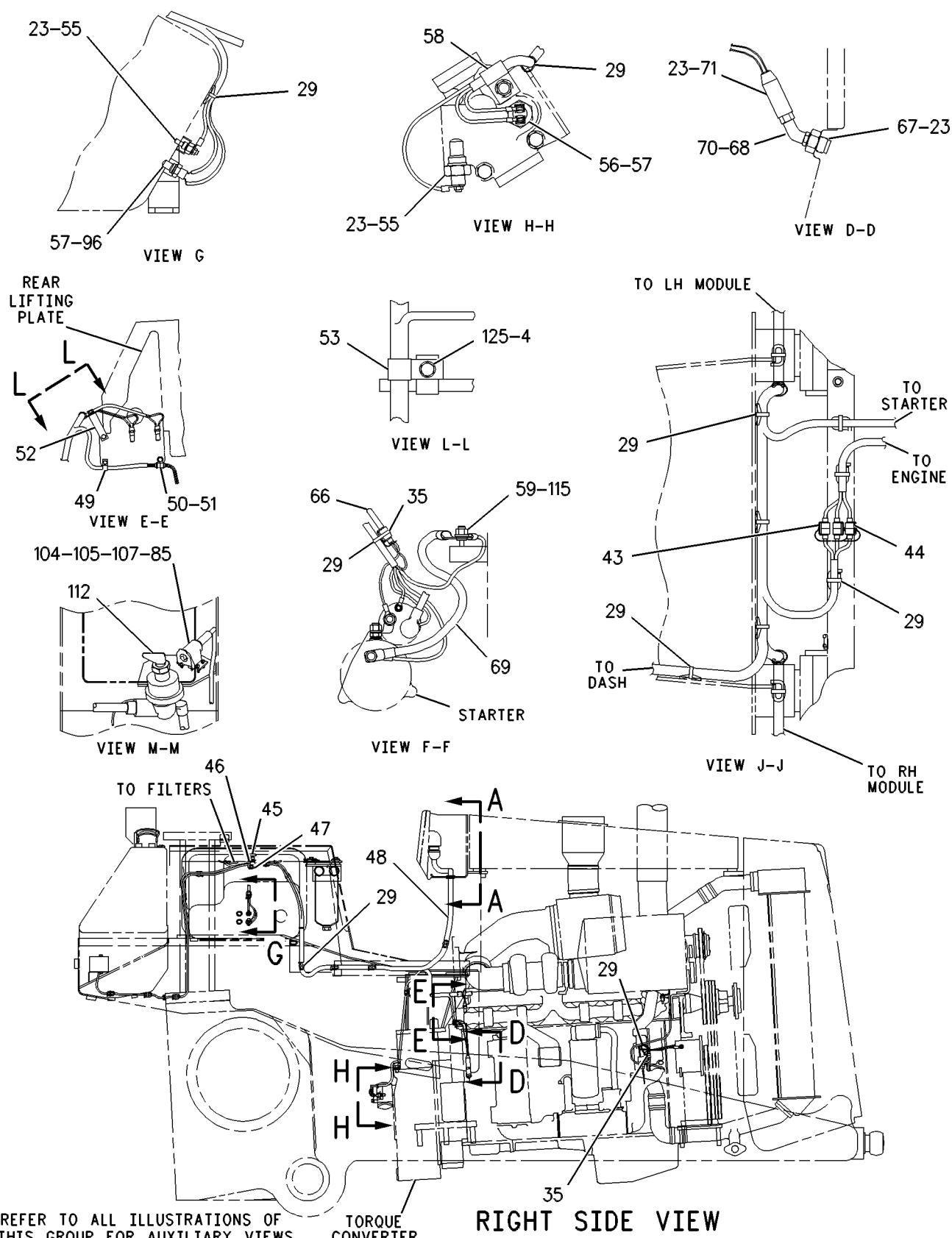
## GRAPHIC #1

g00594853

# ELECTRICAL AND STARTING SYSTEM

120-6535 BATTERY & WIRING GP (contd.)

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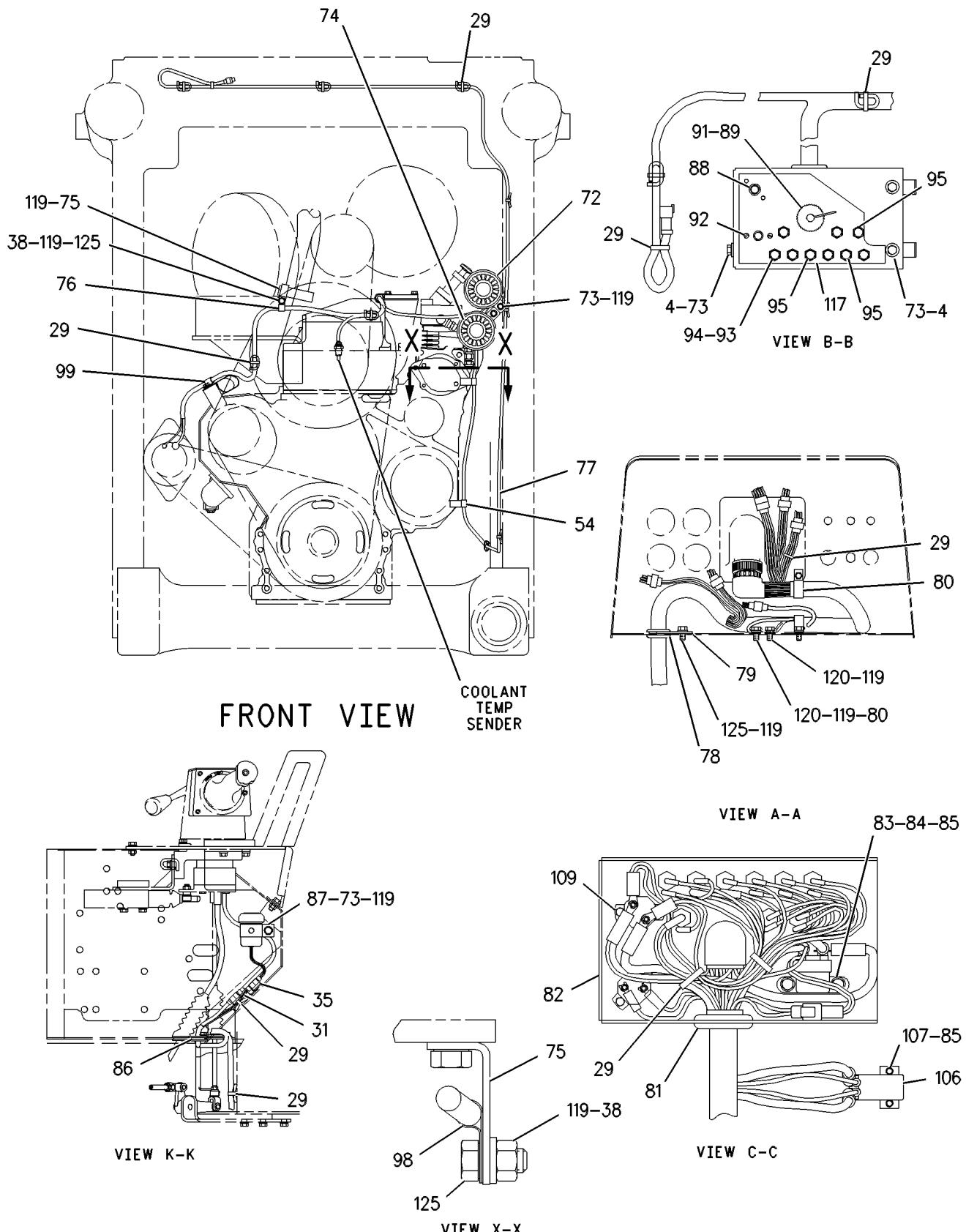
GRAPHIC #2

g00491882

# ELECTRICAL AND STARTING SYSTEM

120-6535 BATTERY & WIRING GP (contd.)

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GRAPHIC #3

g00595152

# ELECTRICAL AND STARTING SYSTEM

## 120-6535 BATTERY & WIRING GP

S/N: 9EM898-1032

SMCS-1401, 1402, 1408

i01327622

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		8E-3860	1	HOLD-DOWN AS	
			7T-1099	2	LINK	
2	1		3T-5760	4	BATTERY (12 VOLT) (750 AMP)	
3	1		8P-1601	5	ROD	
4	1, 2, 3		5P-1075	9	WASHER-HARD (3MM THK)	
5	1		1K-5888	1	SPACER	
6	1		3B-4615	5	PIN-COTTER	
7	1		8V-0622	1	CABLE AS	
E	1		5P-0761		CABLE (OOGA) (RED) (14CM)	
	1		9G-0003	1	COVER-TERMINAL (BLACK) (LH NEG)	
	1		9G-0004	1	COVER-TERMINAL (RED) (RH POS)	
	1		8C-5917	1	TERMINAL AS-BATTERY (POSITIVE)	
	1		8T-9757	1	TERMINAL AS-BATTERY (NEGATIVE)	
	1		1M-6119	1	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)	
	1		1M-6120	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
8	1		8E-5908	1	CABLE AS	
9	1		9G-8909	1	COVER-TERMINAL (BLACK)	
	1		1S-7252	1	TERMINAL-RING (FOR 3/8IN BOLT)	
E	10	1	5P-0747		CABLE (OOGA) (BLACK) (31CM)	
E	11	1	5P-0747		CABLE (OOGA) (BLACK) (64.5CM)	
12	1		7T-4925	1	COVER-TERMINAL (BLACK) (BATTERY) (2 OPENINGS)	
13	1		9G-0005	1	COVER-TERMINAL (BLACK) (RH NEG) (BATTERY) (SINGLE OPENING)	
	1		8C-5918	1	TERMINAL AS (NEG) (SINGLE OPENING)	
14	1		9S-5755	1	TERMINAL AS (2 OPENINGS) (EACH TERMINAL AS INCLUDES)	
	1		1M-6119	1	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)	
	1		1M-6120	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
15	1		8E-5907	1	CABLE AS	
	1		1S-4915	2	LINER-CONDUIT	
BE	1		8T-2225		TUBE-SHRINKABLE	
E	16	1	5P-0761		CABLE (OOGA) (RED) (19CM)	
E	1		5P-0695		CONDUIT (91CM)	
E	17	1	5P-0761		CABLE (OOGA) (RED) (118CM)	
18	1		1S-7251	1	TERMINAL-RING (FOR 1/2 IN BOLT)	
	1		8N-0869	1	COVER-TERMINAL (RED) (RING TERMINAL)	
19	1		9G-0004	1	COVER-TERMINAL (RED) (RH POS) (BATTERY) (SINGLE OPENING)	
20	1		7T-4924	1	COVER-TERMINAL (BATTERY) (RED) (2 OPENINGS)	
	1		9S-5754	1	TERMINAL AS (POSITIVE) (2 OPENINGS)	
21	1		8C-5917	1	TERMINAL AS-BATTERY (POSITIVE) (SINGLE OPENING) (EACH TERMINAL AS INCLUDES)	
	1		1M-6119	1	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)	
	1		1M-6120	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
22	1		3Y-2888	1	CONNECTOR	
23	1, 2		3J-1907	5	SEAL-O-RING (11.89MM ID)	
24	1		8L-5008	1	ELBOW-PIPE (45 DEG)	
25	1		7N-9785	1	SWITCH-TEMPERATURE (COOLANT)	
	1		6V-8376	2	SCREW-MACHINE (8-32X.25 IN)	
	1		9B-7233	2	LOCKWASHER (NO.8)	
26	1		5P-4116	3	WASHER (2MM THK)	
27	1		6N-5926	1	SENDER-TEMPERATURE	
28	1		3E-6425	1	SWITCH AS-TEMPERATURE (ETHER AID ARMING)	
	1		8T-8729	2	PIN-CONNECTOR	
	1		8T-8730	2	SOCKET-CONNECTOR	
	1		102-8807	1	KIT-CONNECTING PLUG (2 PIN) (INCLUDES WEDGE AND PLUG AS)	

# ELECTRICAL AND STARTING SYSTEM

**120-6535 BATTERY & WIRING GP (contd.)**

**i01327622**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
	1		<b>6V-8376</b>	2	SCREW-MACHINE (8-32X.25 IN)							
	1		<b>9B-7233</b>	2	LOCKWASHER (NO.8)							
BC	29	1,2,3	<b>7K-1181</b>	74	STRAP-CABLE (4IN DIA)							
	30	1	<b>9W-9873</b>	1	HARNESS AS							
	31	1,3	<b>3T-3045</b>	4	CLIP AS (12MM ID)							
	32	1	<b>3E-9350</b>	1	SWITCH AS-TEMPERATURE (POWER TRAIN OIL)							
	1		<b>8T-8729</b>	2	PIN-CONNECTOR							
	1		<b>102-8807</b>	1	KIT-CONNECTING PLUG (2 PIN) (INCLUDES WEDGE AND PLUG AS)							
	1		<b>6V-8376</b>	2	SCREW-MACHINE (8-32X.25 IN)							
	1		<b>9B-7233</b>	2	LOCKWASHER (NO.8)							
	1		<b>8T-8730</b>	2	SOCKET-CONNECTOR							
C	33	1	<b>184-1101</b>	1	HARNESS AS							
	34	1	<b>8C-3569</b>	1	SWITCH AS-TEMPERATURE (ENGINE OIL)							
	1		<b>7N-7779</b>	1	SOCKET-CONNECTOR							
	1		<b>7N-7780</b>	1	PIN-CONNECTOR (BLADE)							
	1		<b>7N-9737</b>	1	HOUSING-PLUG							
C	35	1,2	<b>3T-3048</b>	7	CLIP AS (10.2MM ID)							
	36	1	<b>3T-1815</b>	1	ALARM-BACKUP							
	1		<b>9G-6259</b>	1	WIRE AS-ALARM							
	37	1	<b>7X-0291</b>	2	BOLT (3/8-16X3.75 IN)							
	38	1,3	<b>6V-8801</b>	3	NUT (3/8-16 THD)							
	39	1	<b>1K-9007</b>	1	GROMMET							
	40	1	<b>9V-3760</b>	1	STRIP							
	41	1	<b>5C-6266</b>	1	BOLT (5/8-11X1IN)							
	42	1	<b>7X-0515</b>	1	WASHER (5MM THK)							
CY	43	1	<b>164-7577</b>	1	SWITCH GP-BYPASS							417
	44	1,2	<b>3T-3047</b>	4	CLIP AS (20MM ID)							
	45	2	<b>3T-2357</b>	1	SWITCH AS-HORN							
	2		<b>3B-4501</b>	1	LOCKWASHER (NO.8) (SPLIT)							
	2		<b>5L-7200</b>	1	SCREW (8-32X.375 IN)							
	2		<b>7T-9515</b>	1	KNOB-HORN							
	2		<b>9X-0199</b>	1	BOOT-SWITCH							
46	2		<b>6V-8370</b>	1	NUT-HEX (3/4-32 THD)							
	2		<b>2H-3922</b>	1	LOCKWASHER (19.9X31.3X1.3MM THK) (INTERNAL TOOTH-LARGE)							
47	2		<b>8F-1434</b>	2	LOCKWASHER (0.51MM THK) (INTERNAL TOOTH-SMALL)							
	2		<b>6V-8363</b>	2	SCREW (10-32X.312 IN)							
48	2		<b>6Y-4522</b>	1	HARNESS AS							
49	2		<b>5P-9085</b>	1	CLIP (7.94MM ID)							
50	1,2		<b>9G-9150</b>	2	CLIP (10.2MM ID)							
51	2		<b>9B-7237</b>	1	BOLT (3/8-16X1.25 IN)							
52	2		<b>6T-2724</b>	1	BRACKET AS							
	2		<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)							
53	2		<b>1S-1015</b>	1	CLIP (20.46MM ID)							
54	3		<b>6V-3265</b>	2	CLIP							
55	2		<b>8N-3844</b>	2	SENDER-TEMPERATURE (HYDRAULIC OIL)							
56	2		<b>3T-5825</b>	1	SWITCH AS (POWER TRAIN TEMPERATURE)							
	2		<b>6V-8376</b>	2	SCREW-MACHINE (8-32X.25 IN)							
	2		<b>9B-7233</b>	2	LOCKWASHER (NO.8)							
57	2		<b>3K-0360</b>	2	SEAL-O-RING (16.36MM ID)							
58	2		<b>5P-9297</b>	1	CLIP (9.52MM ID)							
59	1,2		<b>6V-8188</b>	3	NUT (1/2-13 THD)							
60	1		<b>1S-0994</b>	2	CLIP (20.64MM ID)							
61	1		<b>9W-2531</b>	1	CABLE AS							
	1		<b>1S-4915</b>	2	LINER-CONDUIT							
	1		<b>1S-7251</b>	2	TERMINAL-RING (FOR 1/2 IN BOLT)							
E	1		<b>5P-0695</b>		CONDUIT (105CM)							
E	1		<b>5P-0761</b>		CABLE (00GA) (RED) (120CM)							
	1		<b>8N-0869</b>	2	COVER-TERMINAL (RED)							

# ELECTRICAL AND STARTING SYSTEM

**120-6535 BATTERY & WIRING GP (contd.)**

**i01327622**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
BE	1		<b>8T-2225</b>	1	TUBE-SHRINKABLE	
62	1		<b>3S-8664</b>	3	CLIP (19.05MM ID)	
63	1		<b>2B-0941</b>	1	SPACER (19MM LG X 19MM DIA)	
64	1		<b>8E-0599</b>	1	HARNESS AS-ENGINE	
65	1		<b>6T-9661</b>	1	CABLE AS	
	1		<b>1S-7251</b>	1	TERMINAL-RING (FOR 1/2 IN BOLT) (STRAIGHT)	
E	1		<b>5P-0747</b>		CABLE (OOGA) (BLACK) (85CM)	
	1		<b>8S-3020</b>	1	TERMINAL-CABLE (90 DEGREE)	
66	2		<b>6T-2217</b>	1	RESISTOR AS	
	2		<b>7N-9737</b>	1	HOUSING-PLUG	
	2		<b>7N-7780</b>	1	PIN-CONNECTOR (BLADE)	
	2		<b>7N-7779</b>	1	SOCKET-CONNECTOR	
67	2		<b>4T-9905</b>	1	ADAPTER	
68	2		<b>6V-8077</b>	1	ELBOW-45 DEGREE (STRAIGHT THD)	
69	2		<b>2V-6166</b>	1	CABLE AS	
E	2		<b>5P-0747</b>		CABLE (OOGA) (BLACK) (41 CM)	
	2		<b>1S-7251</b>	2	TERMINAL-RING (FOR 1/2 IN BOLT)	
70	2		<b>2M-9780</b>	1	SEAL-O-RING (19.18MM ID)	
71	2		<b>6T-4949</b>	1	SWITCH AS (EMS OIL PRESSURE)	
	2		<b>7N-7779</b>	1	SOCKET-CONNECTOR	
	2		<b>7N-7780</b>	1	PIN-CONNECTOR (BLADE)	
	2		<b>7N-9738</b>	1	HOUSING-RECEPTACLE	
72	3		<b>7T-0969</b>	1	HORN AS (24 VOLT) (LOW TONE)	
	3		<b>096-6166</b>	2	WASHER-HARD (1MM THK)	
M	3		<b>8C-7581</b>	2	SCREW-MACHINE (M4X0.70X8MM)	
	3		<b>9B-7233</b>	2	LOCKWASHER (NO.8)	
73	3		<b>5P-8167</b>	6	BOLT (3/8-16X.625 IN)	
74	3		<b>7T-0970</b>	1	HORN AS (24 VOLT) (HIGH TONE)	
	3		<b>096-6166</b>	2	WASHER-HARD (1MM THK)	
M	3		<b>8C-7581</b>	2	SCREW-MACHINE (M4X0.70X8MM)	
	3		<b>9B-7233</b>	2	LOCKWASHER (NO.8)	
75	3		<b>9L-6331</b>	2	BRACKET	
76	3		<b>4K-8864</b>	1	CLIP	
77	3		<b>6Y-2510</b>	1	HARNESS AS	
78	3		<b>6P-6641</b>	1	GROMMET	
79	3		<b>8E-1014</b>	1	RETAINER	
80	3		<b>9M-4972</b>	2	CLIP (28.58MM ID)	
81	3		<b>8D-1470</b>	1	GROMMET (35.92MM ID)	
82	3		<b>6I-9474</b>	1	PANEL AS	
	3		<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)	
	3		<b>9F-6445</b>	5	NUT-WELD (1/4-20 THD)	
Y	83	3	<b>3E-0075</b>	1	SWITCH GP-MAGNETIC (START RELAY)	421
84	3		<b>5S-7349</b>	2	BOLT (1/4-20X0.5 IN)	
85	2,3		<b>8T-4205</b>	6	WASHER-HARD (2MM THK)	
86	3		<b>5P-6264</b>	1	GROMMET	
Y	87	3	<b>9G-9813</b>	1	ALARM GP	289
88	3		<b>9M-5711</b>	1	PLUG-PROTECTION	
89	3		<b>9G-4360</b>	1	CAP-CONNECTOR	
90	1		<b>8E-5909</b>	1	CABLE AS	
E	1		<b>5P-0747</b>		CABLE (OOGA) (BLACK) (19.5CM)	
	1		<b>9G-0003</b>	1	COVER-TERMINAL (BLACK) (LH NEG)	
	1		<b>9G-0004</b>	1	COVER-TERMINAL (RED) (RH POS)	
	1		<b>8C-5917</b>	1	TERMINAL AS-BATTERY (POSITIVE)	
	1		<b>8T-9757</b>	1	TERMINAL AS-BATTERY (NEGATIVE)	
					(EACH TERMINAL AS INCLUDES)	
	1		<b>1M-6119</b>	1	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)	
	1		<b>1M-6120</b>	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
91	3		<b>8N-1537</b>	1	LOCKWASHER	
92	3		<b>3D-9799</b>	2	SCREW-MACHINE (8-32X.875IN)	

# ELECTRICAL AND STARTING SYSTEM

**120-6535 BATTERY & WIRING GP (contd.)**

**i01327622**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE
					1 2 3 4 5 6		
	93	3	3K-8782	6	FUSE (10 AMP)		
	94	3	4K-5122	9	HOLDER AS-FUSE		
	95	3	8M-8948	3	FUSE (15 AMP)		
	96	2	8N-2248	1	SWITCH AS-TEMPERATURE (HYDRAULIC OIL)		
		2	6V-8376	2	SCREW-MACHINE (8-32X.25 IN)		
		2	9B-7233	2	LOCKWASHER (NO.8)		
C	97	1	3T-1480	1	WIRE AS		
	98	1,3	4D-7794	2	CLIP (10.0MM ID)		
	99	3	9M-8406	1	CLIP (15.8MM ID)		
C	100	1	4P-7581	1	CLIP		
	101	1	3S-3216	1	BRACKET		
	102	1	8S-0948	1	CLIP (20.64MM ID)		
	103	1	8T-2502	1	BOLT (3/8-16X1.125 IN)		
	104	2	102-9235	1	SOCKET AS-POWER		
		2	102-8802	1	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE AS & WEDGE)		
		2	8T-8729	2	PIN-CONNECTOR		
	105	2	125-4490	1	CLIP		
	106	3	165-4026	1	SWITCH AS-MAGNETIC (MAIN RELAY)		
		3	4F-2294	2	NUT-JAM (5/16-24 THD)		
		3	6V-8186	2	NUT-FULL (5/16-24 THD)		
		3	6V-8378	2	NUT (10-32 THD)		
	107	2,3	8T-9364	4	BOLT (1/4-20X.625 IN)		
	108	1	3K-6060	5	LOCKNUT (3/8-16 THD)		
	109	3	6T-3645	1	CIRCUIT BREAKER (60 AMP)		
		3	8T-0328	2	WASHER-HARD (1MM THK)		
		3	6V-8378	2	NUT (10-32 THD)		
		3	8F-1434	2	LOCKWASHER (0.51MM THK)		
	110	1	7X-0289	1	BOLT (3/8-16X1.875IN)		
	111	1	4P-8134	2	CLIP		
Y	112	2	7N-0718	1	SWITCH GP-DISCONNECT (BATTERY)		418
Y	113	1	9W-0742	1	JUNCTION BLOCK GP		365
	114	1	8T-9383	2	BOLT (1/2-13X0.75IN)		
	115	2	8T-4223	5	WASHER-HARD (3MM THK)		
	116	1	8N-0869	1	COVER-TERMINAL (RED)		
	117	3	6I-9472	1	FILM-FACE		
	118	1	6I-8612	1	HARNESS AS		
	119	1,3	8T-4896	29	WASHER-HARD (10.2X18.5X2.5MM THK)		
	120	1,3	5S-7379	9	BOLT (3/8-16X.875 IN)		
	121	1	8S-2634	1	COVER AS		
		1	2P-2975	2	SEAL-O-RING (17.17MM ID)		
	122	1	6I-9412	1	RECEPTACLE AS-AUXILIARY START		
		1	1S-4915	2	LINER-CONDUIT		
		1	1S-7251	2	TERMINAL-RING (FOR 1/2 IN BOLT)		
E	1	5P-0695			CONDUIT (91CM)		
E	1	5P-0761			CABLE (00GA) (RED) (117CM)		
E	1	5P-0747			CABLE (00GA) (BLACK) (70CM)		
	1	6V-2722	1		TUBE-SHRINKABLE		
BE	1	8T-2225			TUBE-SHRINKABLE		
	123	1	3E-2024	1	SWITCH AS-PRESSURE (FUEL)		
		1	8T-8729	2	PIN-CONNECTOR		
		1	102-8802	1	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE AS & WEDGE)		
		1	8T-8730	2	SOCKET-CONNECTOR		
	124	1	1H-5166	1	CLIP		
	125	1,2,3	5M-3062	6	BOLT (3/8-16X.75 IN)		

# ELECTRICAL AND STARTING SYSTEM

120-6535 BATTERY & WIRING GP (*contd.*)

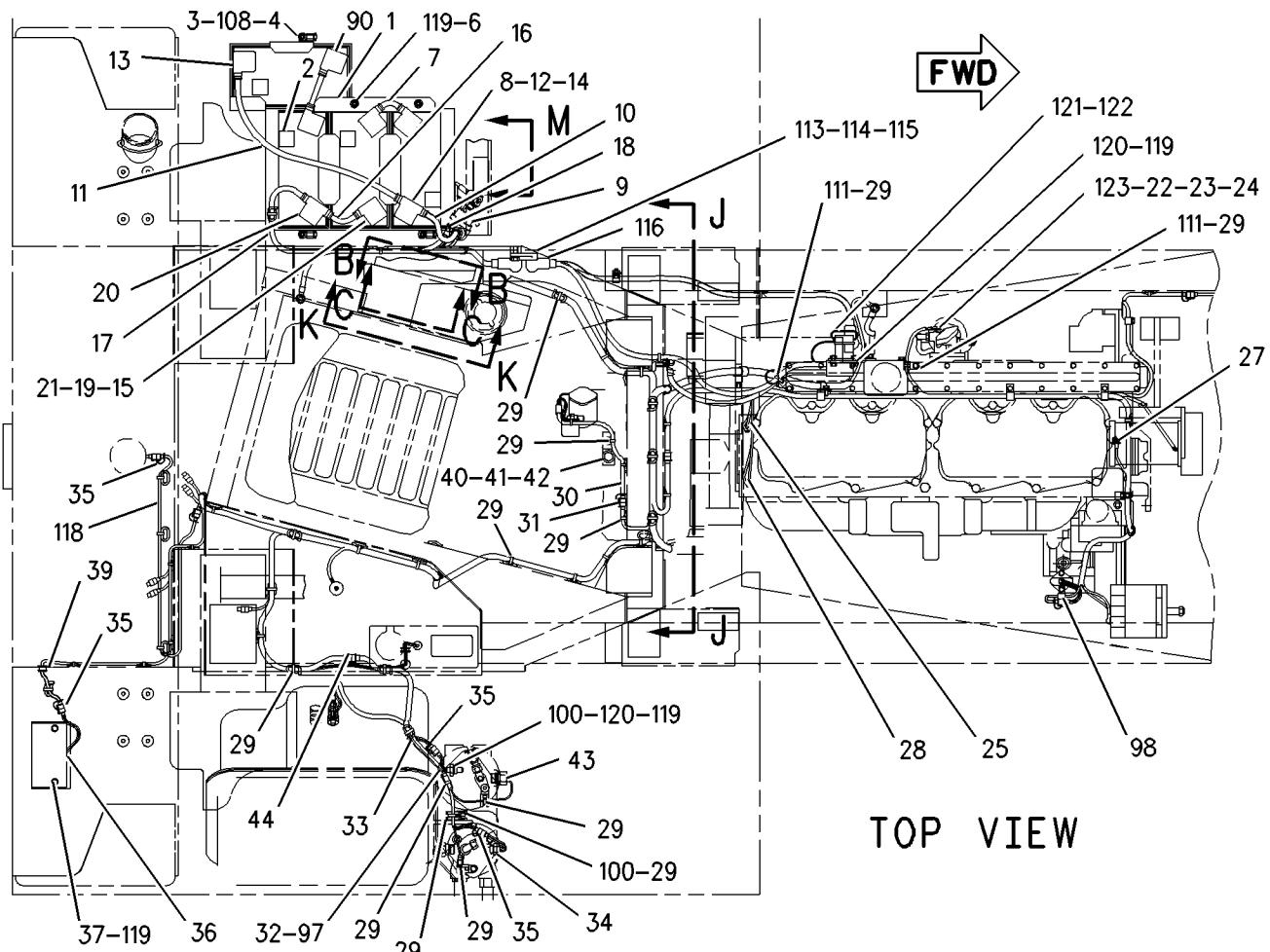
i01327622

B - USE AS REQUIRED  
C - CHANGE FROM PREVIOUS TYPE  
E - ORDER BY THE CENTIMETER  
M - METRIC PART  
Y - SEPARATE ILLUSTRATION

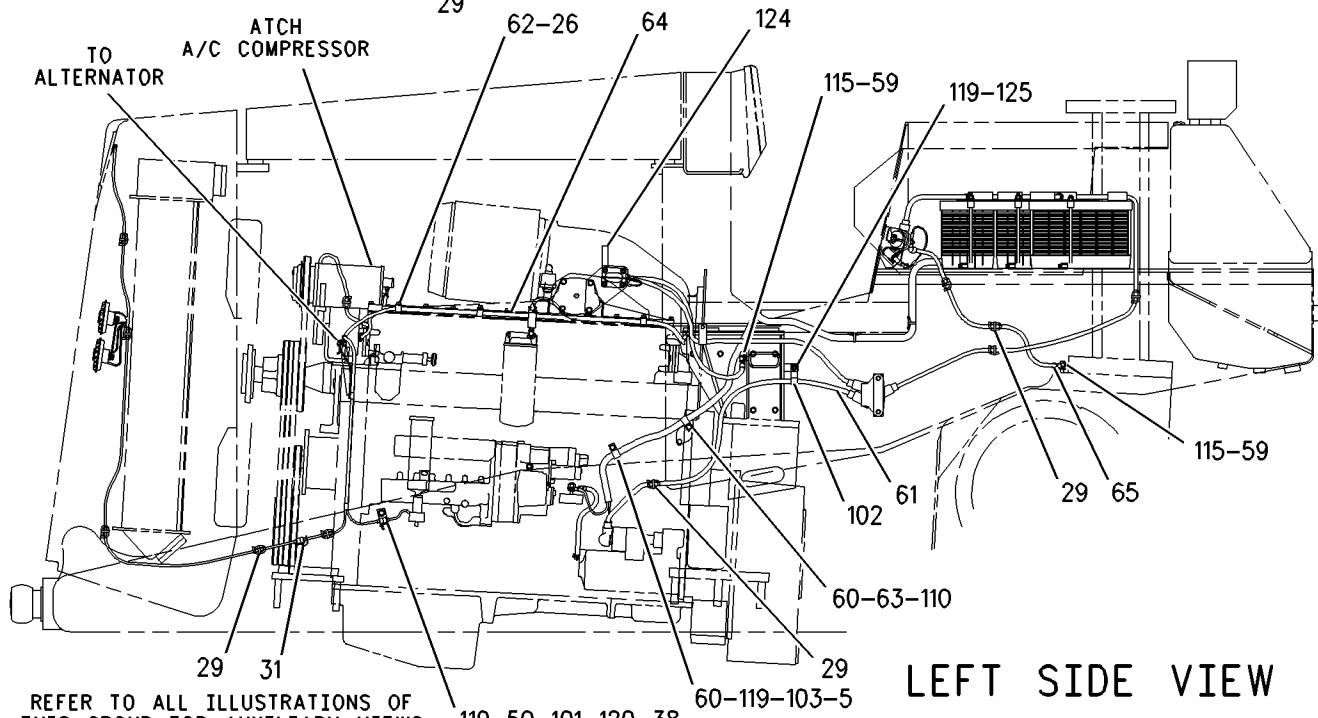
# ELECTRICAL AND STARTING SYSTEM

120-6535 BATTERY & WIRING GP (contd.)

i01327622



TOP VIEW



LEFT SIDE VIEW

REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

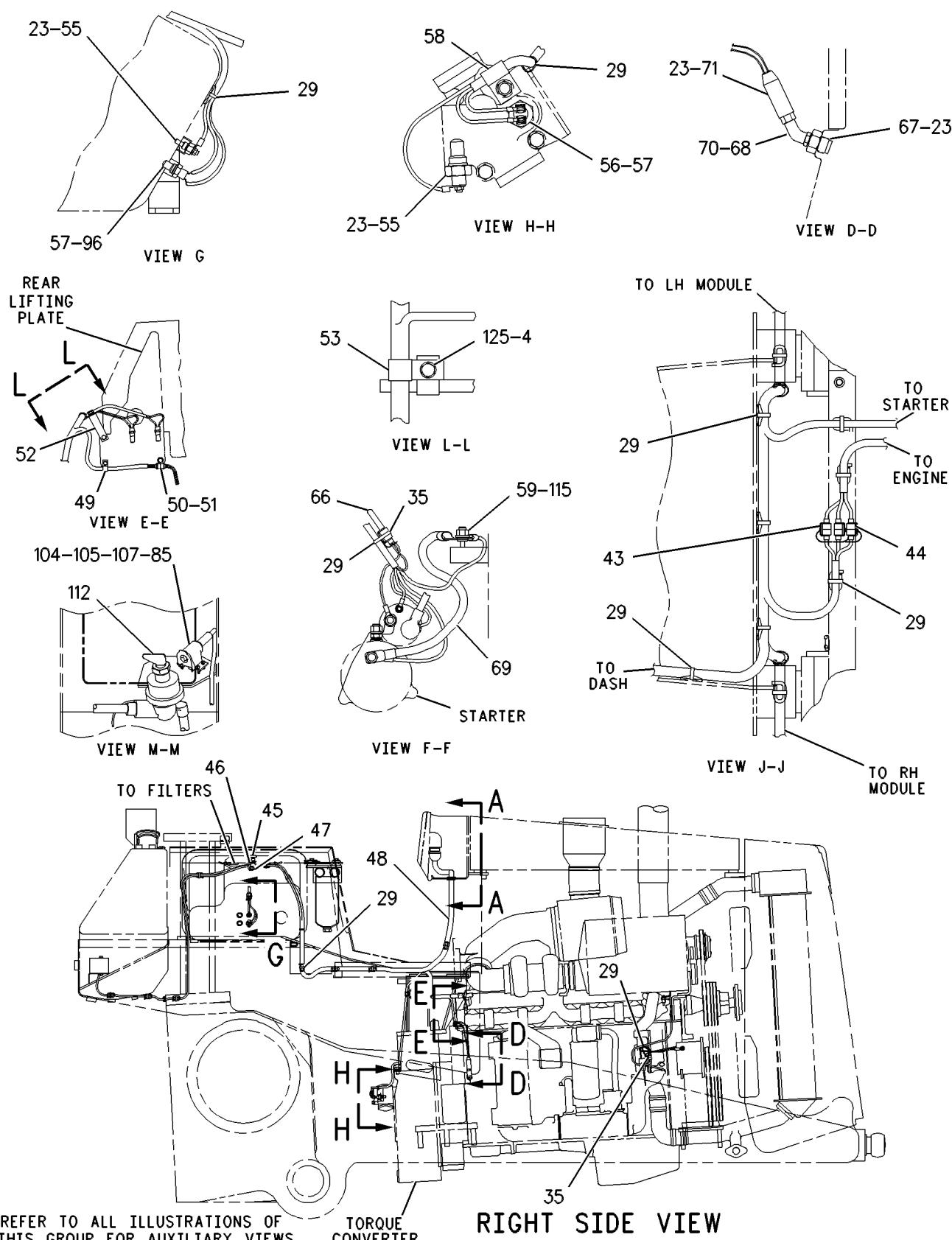
GRAPHIC #1

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# ELECTRICAL AND STARTING SYSTEM

120-6535 BATTERY & WIRING GP (contd.)

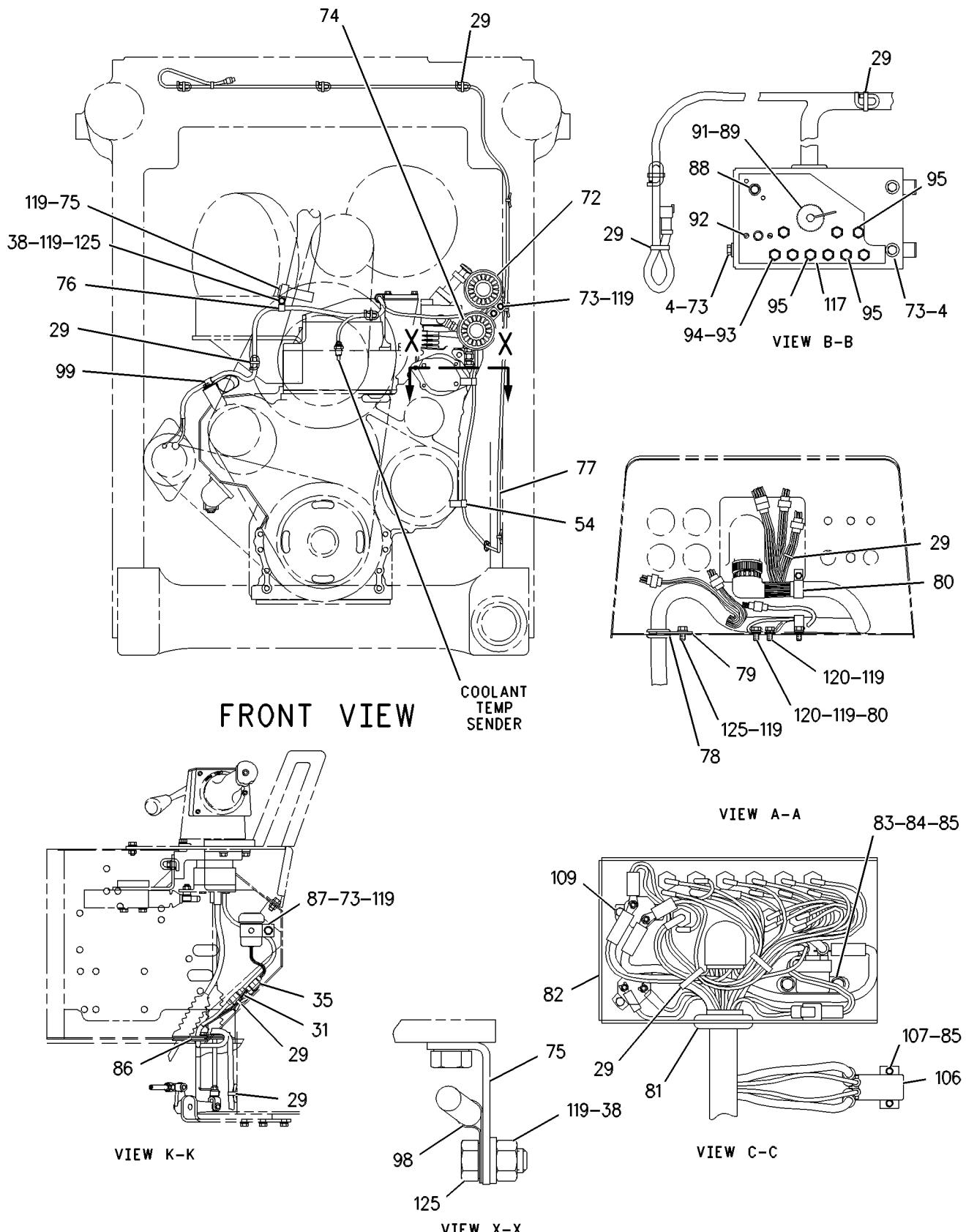
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# ELECTRICAL AND STARTING SYSTEM

120-6535 BATTERY & WIRING GP (contd.)

i01327622



GRAPHIC #3

g00595152

# ELECTRICAL AND STARTING SYSTEM

## 120-6535 BATTERY & WIRING GP

S/N: 9EM1033-1262

**SMCS-1401, 1402, 1408**

**i01434435**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		<b>8E-3860</b>	1	HOLD-DOWN AS	
			<b>7T-1099</b>	2	LINK	
2	1		<b>3T-5760</b>	4	BATTERY (MAINTENANCE FREE) (12 VOLT)	
3	1		<b>8P-1601</b>	5	ROD	
4	1,2,3		<b>5P-1075</b>	9	WASHER-HARD (10.2X22.5X3MM THK)	
5	1		<b>1K-5888</b>	1	SPACER (.42X.67X.63 IN THK)	
6	1		<b>3B-4615</b>	5	PIN-COTTER	
7	1		<b>8V-0622</b>	1	CABLE AS	
E	1		<b>5P-0761</b>		CABLE (00GA) (RED) (14CM)	
	1		<b>9G-0003</b>	1	COVER-TERMINAL (BLACK)	
	1		<b>9G-0004</b>	1	COVER-TERMINAL (RED)	
	1		<b>8C-5917</b>	1	TERMINAL AS-BATTERY (POSITIVE)	
	1		<b>8T-9757</b>	1	TERMINAL AS-BATTERY (NEGATIVE)	
	1		<b>1M-6119</b>	1	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)	
	1		<b>1M-6120</b>	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
8	1		<b>8E-5908</b>	1	CABLE AS	
9	1		<b>9G-8909</b>	1	COVER-TERMINAL (BLACK)	
	1		<b>1S-7252</b>	1	TERMINAL-RING (FOR 3/8IN BOLT)	
E	10	1	<b>5P-0747</b>		CABLE (00GA) (BLACK) (31CM)	
E	11	1	<b>5P-0747</b>		CABLE (00GA) (BLACK) (64.5CM)	
12	1		<b>7T-4925</b>	1	COVER-TERMINAL (BLACK) (BATTERY) (2 OPENINGS)	
13	1		<b>9G-0005</b>	1	COVER-TERMINAL (BLACK) (RH NEG) (BATTERY) (SINGLE OPENING)	
	1		<b>8C-5918</b>	1	TERMINAL AS (NEG) (SINGLE OPENING)	
14	1		<b>9S-5755</b>	1	TERMINAL AS (2 OPENINGS) (EACH TERMINAL AS INCLUDES)	
	1		<b>1M-6119</b>	1	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)	
	1		<b>1M-6120</b>	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
15	1		<b>8E-5907</b>	1	CABLE AS	
	1		<b>1S-4915</b>	2	LINER-CONDUIT	
BE	1		<b>8T-2225</b>		TUBE-SHRINKABLE	
E	16	1	<b>5P-0761</b>		CABLE (00GA) (RED) (19CM)	
E	1		<b>5P-0695</b>		CONDUIT (91CM)	
E	17	1	<b>5P-0761</b>		CABLE (00GA) (RED) (118CM)	
18	1		<b>1S-7251</b>	1	TERMINAL-RING (FOR 1/2 IN BOLT)	
	1		<b>8N-0869</b>	1	COVER-TERMINAL (RED) (RING TERMINAL)	
19	1		<b>9G-0004</b>	1	COVER-TERMINAL (RED) (BATTERY) (SINGLE OPENING)	
20	1		<b>7T-4924</b>	1	COVER-TERMINAL (BATTERY) (RED) (2 OPENINGS)	
	1		<b>9S-5754</b>	1	TERMINAL AS (POSITIVE) (2 OPENINGS)	
21	1		<b>8C-5917</b>	1	TERMINAL AS-BATTERY (POSITIVE) (SINGLE OPENING) (EACH TERMINAL AS INCLUDES)	
	1		<b>1M-6119</b>	1	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)	
	1		<b>1M-6120</b>	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
22	1		<b>3Y-2888</b>	1	CONNECTOR	
23	1,2		<b>3J-1907</b>	5	SEAL-O-RING (11.89MM ID)	
24	1		<b>8L-5008</b>	1	ELBOW-PIPE	
25	1		<b>7N-9785</b>	1	SWITCH AS-TEMPERATURE (COOLANT)	
	1		<b>6V-8376</b>	2	SCREW-MACHINE (8-32X0.25 IN)	
	1		<b>9B-7233</b>	2	LOCKWASHER	
26	1		<b>5P-4116</b>	3	WASHER-HARD (8.8X20.5X2MM THK)	
27	1		<b>6N-5926</b>	1	SENDER-TEMPERATURE	
28	1		<b>3E-6425</b>	1	SWITCH AS-TEMPERATURE (ETHER AID ARMING)	
	1		<b>8T-8729</b>	2	PIN-CONNECTOR	
	1		<b>3E-3365</b>	1	WEDGE-RECEPTACLE LOCK (2 PIN)	
	1		<b>8T-8730</b>	2	SOCKET-CONNECTOR	

# ELECTRICAL AND STARTING SYSTEM

**120-6535 BATTERY & WIRING GP (contd.)**

**i01434435**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
	1		<b>102-8807</b>	1	KIT-CONNECTING PLUG (2 PIN) (INCLUDES WEDGE AND PLUG AS)							
	1		<b>6V-8376</b>	2	SCREW-MACHINE (8-32X0.25 IN)							
	1		<b>9B-7233</b>	2	LOCKWASHER							
BC	29	1,2,3	<b>7K-1181</b>	75	STRAP-CABLE							
	30	1	<b>9W-9873</b>	1	HARNESS AS							
	31	1,3	<b>3T-3045</b>	4	CLIP AS							
	32	1	<b>3E-9350</b>	1	SWITCH AS-TEMPERATURE (POWER TRAIN OIL)							
		1	<b>3E-3365</b>	1	WEDGE-RECEPTACLE LOCK (2 PIN)							
		1	<b>8T-8729</b>	2	PIN-CONNECTOR							
		1	<b>102-8807</b>	1	KIT-CONNECTING PLUG (2 PIN) (INCLUDES WEDGE & PLUG AS)							
		1	<b>6V-8376</b>	2	SCREW-MACHINE (8-32X0.25 IN)							
		1	<b>9B-7233</b>	2	LOCKWASHER							
		1	<b>8T-8730</b>	2	SOCKET-CONNECTOR							
C	33	1	<b>184-1101</b>	1	HARNESS AS (FENDER-RH)							
		1	<b>155-2270</b>	2	KIT-CONNECTING PLUG (2 PIN) (EACH INCLUDES PLUG AS & WEDGE)							
	34	1	<b>8C-3569</b>	1	SWITCH AS-TEMPERATURE (ENGINE OIL)							
		1	<b>7N-7779</b>	1	SOCKET-CONNECTOR							
		1	<b>7N-7780</b>	1	PIN-CONNECTOR (BLADE)							
		1	<b>7N-9737</b>	1	HOUSING-PLUG							
C	35	1,2,3	<b>3T-3048</b>	6	CLIP AS							
	36	1	<b>3T-1815</b>	1	ALARM-BACKUP							
		1	<b>9G-6259</b>	1	WIRE AS-ALARM							
	37	1	<b>7X-0291</b>	2	BOLT (3/8-16X3.75 IN)							
C	38	1,3	<b>6V-8801</b>	4	NUT (3/8-16 THD)							
	39	1	<b>1K-9007</b>	1	GROMMET							
	40	1	<b>9V-3760</b>	1	STRIP							
	41	1	<b>5C-6266</b>	1	BOLT (5/8-11X1 IN)							
	42	1	<b>7X-0515</b>	1	WASHER-HARD (17X35X5MM THK)							
CY	43	1,2	<b>164-7577</b>	1	SWITCH GP-BYPASS							417
	44	1,2	<b>3T-3047</b>	4	CLIP AS							
	45	2	<b>3T-2357</b>	1	SWITCH AS-HORN							
		2	<b>3B-4501</b>	1	LOCKWASHER (SPLIT)							
		2	<b>5L-7200</b>	1	SCREW (8-32X0.375 IN)							
		2	<b>7T-9515</b>	1	KNOB-HORN							
		2	<b>9X-0199</b>	1	BOOT-SWITCH							
	46	2	<b>6V-8370</b>	1	NUT-HEX (3/4-32 THD)							
		2	<b>2H-3922</b>	1	LOCKWASHER (INTERNAL TOOTH-LARGE)							
	47	2	<b>8F-1434</b>	2	LOCKWASHER (INTERNAL TOOTH-SMALL)							
		2	<b>6V-8363</b>	2	SCREW (10-32X0.312 IN)							
C	48	2	<b>1Q-3512</b>	1	HARNESS AS (OPERATOR MODULE)							
		1	<b>102-8802</b>	1	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE AS & WEDGE)							
		1	<b>102-8805</b>	1	KIT-RECEPTACLE (6 PIN) (INCLUDES RECEPTACLE AS & WEDGE)							
		1	<b>155-2270</b>	2	KIT-CONNECTING PLUG (2 PIN) (EACH INCLUDES PLUG AS & WEDGE)							
		1	<b>155-2274</b>	1	KIT-CONNECTING PLUG (6 PIN) (INCLUDES PLUG AS & WEDGE)							
		1	<b>155-2270</b>	1	KIT-CONNECTING PLUG (2 PIN) (INCLUDES PLUG AS & WEDGE)							
	49	2	<b>5P-9085</b>	1	CLIP							
	50	1,2	<b>9G-9150</b>	2	CLIP							
	51	2	<b>9B-7237</b>	1	BOLT (3/8-16X1.25 IN)							
	52	2	<b>6T-2724</b>	1	BRACKET AS							
		2	<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)							
	53	2	<b>1S-1015</b>	1	CLIP							

# ELECTRICAL AND STARTING SYSTEM

**120-6535 BATTERY & WIRING GP (contd.)**

**i01434435**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	54	3	<b>6V-3265</b>	2	CLIP	
	55	2	<b>8N-3844</b>	2	SENDER- TEMPERATURE (HYDRAULIC OIL)	
	56	2	<b>3T-5825</b>	1	SWITCH AS (POWER TRAIN TEMPERATURE)	
		2	<b>6V-8376</b>	2	SCREW-MACHINE (8-32X0.25 IN)	
		2	<b>9B-7233</b>	2	LOCKWASHER	
	57	2	<b>3K-0360</b>	2	SEAL-O-RING (16.36MM ID)	
	58	2	<b>5P-9297</b>	1	CLIP	
	59	1,2	<b>6V-8188</b>	3	NUT (1/2-13 THD)	
C	60	1	<b>1S-0994</b>	1	CLIP	
	61	1	<b>9W-2531</b>	1	CABLE AS	
		1	<b>1S-4915</b>	2	LINER-CONDUIT	
		1	<b>1S-7251</b>	2	TERMINAL-RING (FOR 1/2 IN BOLT)	
E	1	<b>5P-0695</b>			CONDUIT (105CM)	
E	1	<b>5P-0761</b>			CABLE (00GA) (RED) (120CM)	
		1	<b>8N-0869</b>	2	COVER-Terminal (RED)	
BE	1	<b>8T-2225</b>			TUBE-SHRINKABLE	
	62	1	<b>3S-8664</b>	3	CLIP	
	63	1	<b>2B-0941</b>	1	SPACER (10.5X19X19MM THK)	
	64	1	<b>8E-0599</b>	1	HARNESS AS-ENGINE	
		1	<b>155-2270</b>	3	KIT-CONNECTING PLUG (2 PIN) (EACH INCLUDES PLUG AS, WEDGE & SEAL-INTERFACE)	
		1	<b>102-8802</b>	2	KIT-RECEPTACLE (2 PIN) (EACH INCLUDES RECEPTACLE AS & WEDGE)	
	65	1	<b>6T-9661</b>	1	CABLE AS	
		1	<b>1S-7251</b>	1	TERMINAL-RING (FOR 1/2 IN BOLT) (STRAIGHT)	
E	1	<b>5P-0747</b>			CABLE (00GA) (BLACK) (85CM)	
		1	<b>8S-3020</b>	1	TERMINAL-CABLE (90 DEGREE)	
66	2	<b>6T-2217</b>		1	RESISTOR AS	
	2	<b>7N-9737</b>		1	HOUSING-PLUG	
	2	<b>7N-7780</b>		1	PIN-CONNECTOR (BLADE)	
	2	<b>7N-7779</b>		1	SOCKET-CONNECTOR	
67	2	<b>4T-9905</b>		1	ADAPTER	
68	2	<b>6V-8077</b>		1	ELBOW	
69	2	<b>2V-6166</b>		1	CABLE AS	
E	2	<b>5P-0747</b>			CABLE (00GA) (BLACK) (41CM)	
	2	<b>1S-7251</b>		2	TERMINAL-RING (FOR 1/2 IN BOLT)	
70	2	<b>2M-9780</b>		1	SEAL-O-RING (19.18MM ID)	
71	2	<b>6T-4949</b>		1	SWITCH AS (EMS OIL PRESSURE)	
	2	<b>7N-7779</b>		1	SOCKET-CONNECTOR	
	2	<b>7N-7780</b>		1	PIN-CONNECTOR (BLADE)	
	2	<b>7N-9738</b>		1	HOUSING-RECEPTACLE	
72	3	<b>7T-0969</b>		1	HORN AS (24 VOLT) (LOW TONE)	
	3	<b>096-6166</b>		2	WASHER-HARD (4.5X9X1MM THK)	
M	3	<b>8C-7581</b>		2	SCREW-MACHINE (M4X0.7X8MM)	
	3	<b>9B-7233</b>		2	LOCKWASHER	
C	73	3	<b>5P-8167</b>	7	BOLT (3/8-16X0.625 IN)	
	74	3	<b>7T-0970</b>	1	HORN AS (24 VOLT) (HIGH TONE)	
	3	<b>096-6166</b>		2	WASHER-HARD (4.5X9X1MM THK)	
M	3	<b>8C-7581</b>		2	SCREW-MACHINE (M4X0.7X8MM)	
	3	<b>9B-7233</b>		2	LOCKWASHER	
75	3	<b>9L-6331</b>		2	BRACKET	
76	3	<b>4K-8864</b>		1	CLIP	
77	3	<b>6Y-2510</b>		1	HARNESS AS (GUARD)	
78	3	<b>6P-6641</b>		1	GROMMET	
79	3	<b>8E-1014</b>		1	RETAINER	
80	3	<b>9M-4972</b>		2	CLIP	
81	3	<b>8D-1470</b>		1	GROMMET (35.92MM ID)	
C	82	3	<b>1Q-3511</b>	1	PANEL AS-FUSE	
	3	<b>1F-0750</b>		2	NUT-WELD (3/8-16 THD)	

# ELECTRICAL AND STARTING SYSTEM

**120-6535 BATTERY & WIRING GP (contd.)**

**i01434435**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	3		<b>9F-6445</b>	5	NUT-WELD (1/4-20 THD)	
Y	83	3	<b>3E-0075</b>	1	SWITCH GP-MAGNETIC (START RELAY)	421
	84	3	<b>5S-7349</b>	2	BOLT (1/4-20X0.5 IN)	
	85	2,3	<b>8T-4205</b>	6	WASHER-HARD (7.2X14.5X2MM THK)	
	86	3	<b>5P-6264</b>	1	GROMMET	
Y	87	3	<b>9G-9813</b>	1	ALARM GP	289
	88	3	<b>9M-5711</b>	1	PLUG-PROTECTION	
	89	3	<b>9G-4360</b>	1	CAP-CONNECTOR	
	90	1	<b>8E-5909</b>	1	CABLE AS	
E	1		<b>5P-0747</b>		CABLE (OOGA) (BLACK) (19.5CM)	
	1		<b>9G-0003</b>	1	COVER-TERMINAL (BLACK)	
	1		<b>9G-0004</b>	1	COVER-TERMINAL (RED)	
	1		<b>8C-5917</b>	1	TERMINAL AS-BATTERY (POSITIVE)	
	1		<b>8T-9757</b>	1	TERMINAL AS-BATTERY (NEGATIVE) (EACH TERMINAL AS INCLUDES)	
	1		<b>1M-6119</b>	1	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)	
	1		<b>1M-6120</b>	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
	91	3	<b>8N-1537</b>	1	LOCKWASHER	
C	92	3	<b>6V-5645</b>	2	SCREW-MACHINE (10-32X0.87 IN)	
	93	3	<b>3K-8782</b>	6	FUSE (10 AMP)	
	94	3	<b>4K-5122</b>	9	HOLDER AS-FUSE	
	95	3	<b>8M-8948</b>	3	FUSE (15 AMP)	
	96	2	<b>8N-2248</b>	1	SWITCH AS-TEMPERATURE (HYDRAULIC OIL)	
	2		<b>6V-8376</b>	2	SCREW-MACHINE (8-32X0.25 IN)	
	2		<b>9B-7233</b>	2	LOCKWASHER	
C	97	1	<b>3T-1480</b>	1	WIRE AS	
	98	1,3	<b>4D-7794</b>	2	CLIP	
	99	3	<b>9M-8406</b>	1	CLIP	
C	100	1	<b>4P-7581</b>	1	CLIP	
	101	1	<b>3S-3216</b>	1	BRACKET	
	102	1	<b>8S-0948</b>	1	CLIP	
C	103	1	<b>5S-7382</b>	1	BOLT (3/8-16X1.375 IN)	
	104	2	<b>102-9235</b>	1	SOCKET AS-POWER	
	2		<b>102-8802</b>	1	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE AS & WEDGE)	
	2		<b>8T-8729</b>	2	PIN-CONNECTOR	
	2		<b>3E-3365</b>	1	WEDGE-RECEPTACLE LOCK (2 PIN)	
	105	2	<b>125-4490</b>	1	CLIP	
	106	3	<b>165-4026</b>	1	SWITCH AS-MAGNETIC	
	3		<b>4F-2294</b>	2	NUT-JAM (5/16-24 THD)	
	3		<b>6V-8186</b>	2	NUT-FULL (5/16-24 THD)	
	3		<b>6V-8378</b>	2	NUT (10-32 THD)	
	107	2,3	<b>8T-9364</b>	4	BOLT (1/4-20X0.625 IN)	
	108	1	<b>3K-6060</b>	5	LOCKNUT	
C	109	3	<b>171-2208</b>	1	CIRCUIT BREAKER GP (60 AMP)	
	3		<b>8T-0328</b>	2	WASHER-HARD (5.5X10X1MM THK)	
	3		<b>6V-8378</b>	2	NUT (10-32 THD)	
	3		<b>8F-1434</b>	2	LOCKWASHER	
	110	1	<b>7X-0289</b>	1	BOLT (3/8-16X1.875 IN)	
C	111	1	<b>4P-8134</b>	3	CLIP	
Y	112	2	<b>7N-0718</b>	1	SWITCH GP-DISCONNECT (BATTERY)	418
Y	113	1	<b>9W-0742</b>	1	JUNCTION BLOCK GP	365
	114	1	<b>8T-9383</b>	2	BOLT (1/2-13X0.75 IN)	
	115	1,2	<b>8T-4223</b>	5	WASHER-HARD (13.5X25.5X3MM THK)	
	116	1	<b>8N-0869</b>	1	COVER-TERMINAL (RED)	
	117	3	<b>6I-9472</b>	1	FILM-FACE	
	118	1	<b>6I-8612</b>	1	HARNESS AS (OPERATOR MODULE)	
	1		<b>102-8802</b>	1	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE AS & WEDGE)	

# ELECTRICAL AND STARTING SYSTEM

**120-6535 BATTERY & WIRING GP (contd.)**

**i01434435**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1		<b>155-2270</b>	1	KIT-CONNECTING PLUG (2 PIN) (INCLUDES PLUG AS & WEDGE)	
C	119	1, 3	<b>8T-4896</b>	32	WASHER-HARD (10.2X18.5X2.5MM THK)	
C	120	1, 3	<b>5S-7379</b>	10	BOLT (3/8-16X0.875 IN)	
	121	1	<b>8S-2634</b>	1	COVER AS	
		1	<b>2P-2975</b>	2	SEAL-O-RING (17.17MM ID)	
	122	1	<b>6I-9412</b>	1	RECEPTACLE AS-AUXILIARY START	
		1	<b>1S-4915</b>	2	LINER-CONDUIT	
		1	<b>1S-7251</b>	2	TERMINAL-RING (FOR 1/2 IN BOLT)	
E	1		<b>5P-0695</b>		CONDUIT (91CM)	
E	1		<b>5P-0761</b>		CABLE (00GA) (RED) (117CM)	
E	1		<b>5P-0747</b>		CABLE (00GA) (BLACK) (70CM)	
		1	<b>6V-2722</b>	1	TUBE-SHRINKABLE	
BE	1		<b>8T-2225</b>		TUBE-SHRINKABLE	
	123	1	<b>3E-2024</b>	1	SWITCH AS-PRESSURE (FUEL)	
		1	<b>3E-3365</b>	1	WEDGE-RECEPTACLE LOCK (2 PIN)	
		1	<b>8T-8729</b>	2	PIN-CONNECTOR	
		1	<b>102-8802</b>	1	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE AS & WEDGE)	
		1	<b>8T-8730</b>	2	SOCKET-CONNECTOR	
	124	1	<b>1H-5166</b>	1	CLIP	
	125	1, 2, 3	<b>5M-3062</b>	6	BOLT (3/8-16X0.75 IN)	
C	126	1	<b>3B-7255</b>	1	BUSHING-REDUCING	
C	127	1	<b>112-9069</b>	1	BRACKET	

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

E-ORDER BY THE CENTIMETER

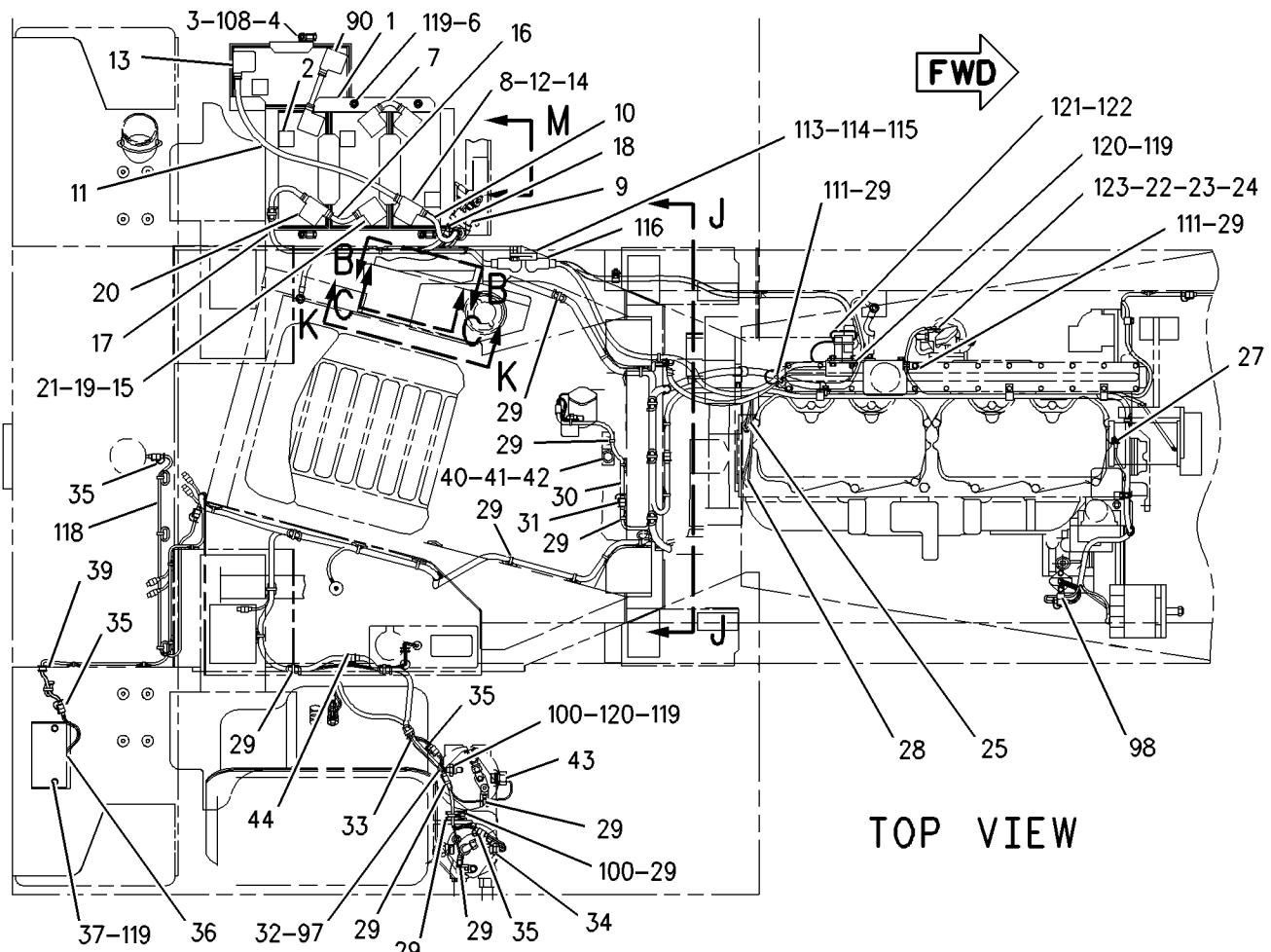
M-METRIC PART

Y-SEPARATE ILLUSTRATION

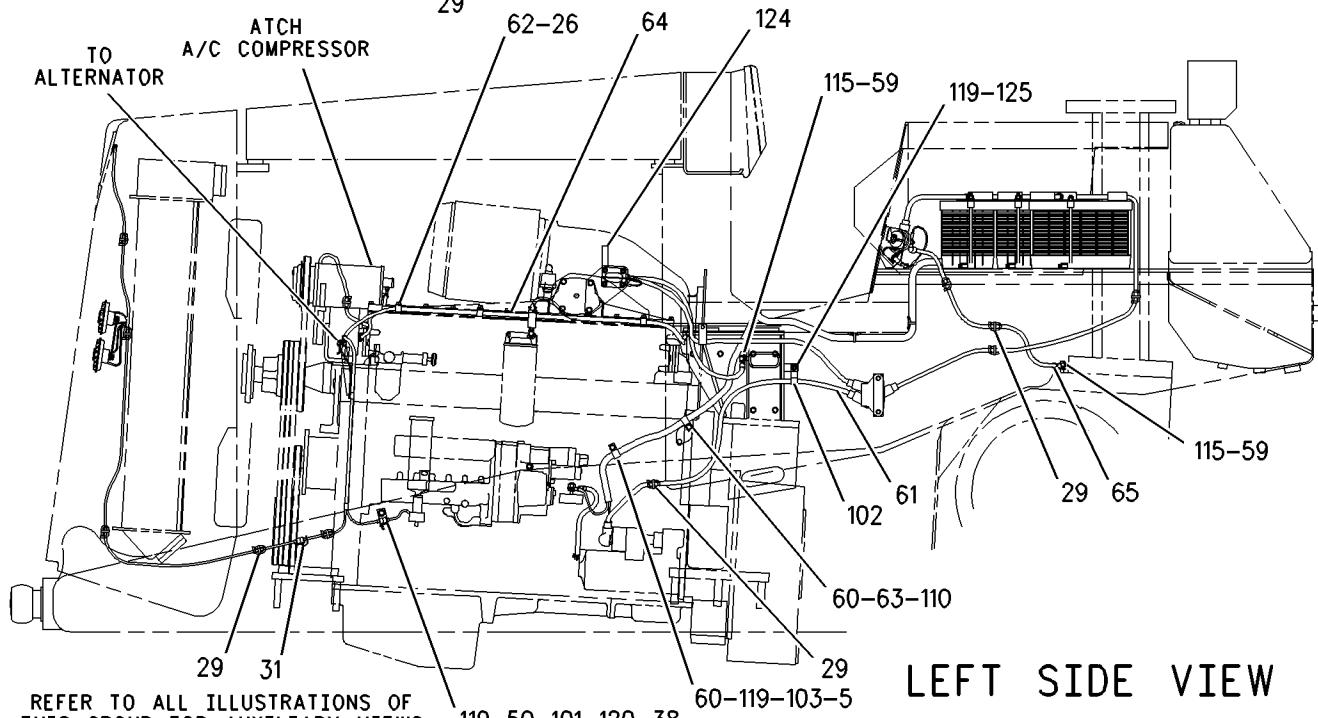
# ELECTRICAL AND STARTING SYSTEM

120-6535 BATTERY & WIRING GP (contd.)

i01434435



TOP VIEW



LEFT SIDE VIEW

REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

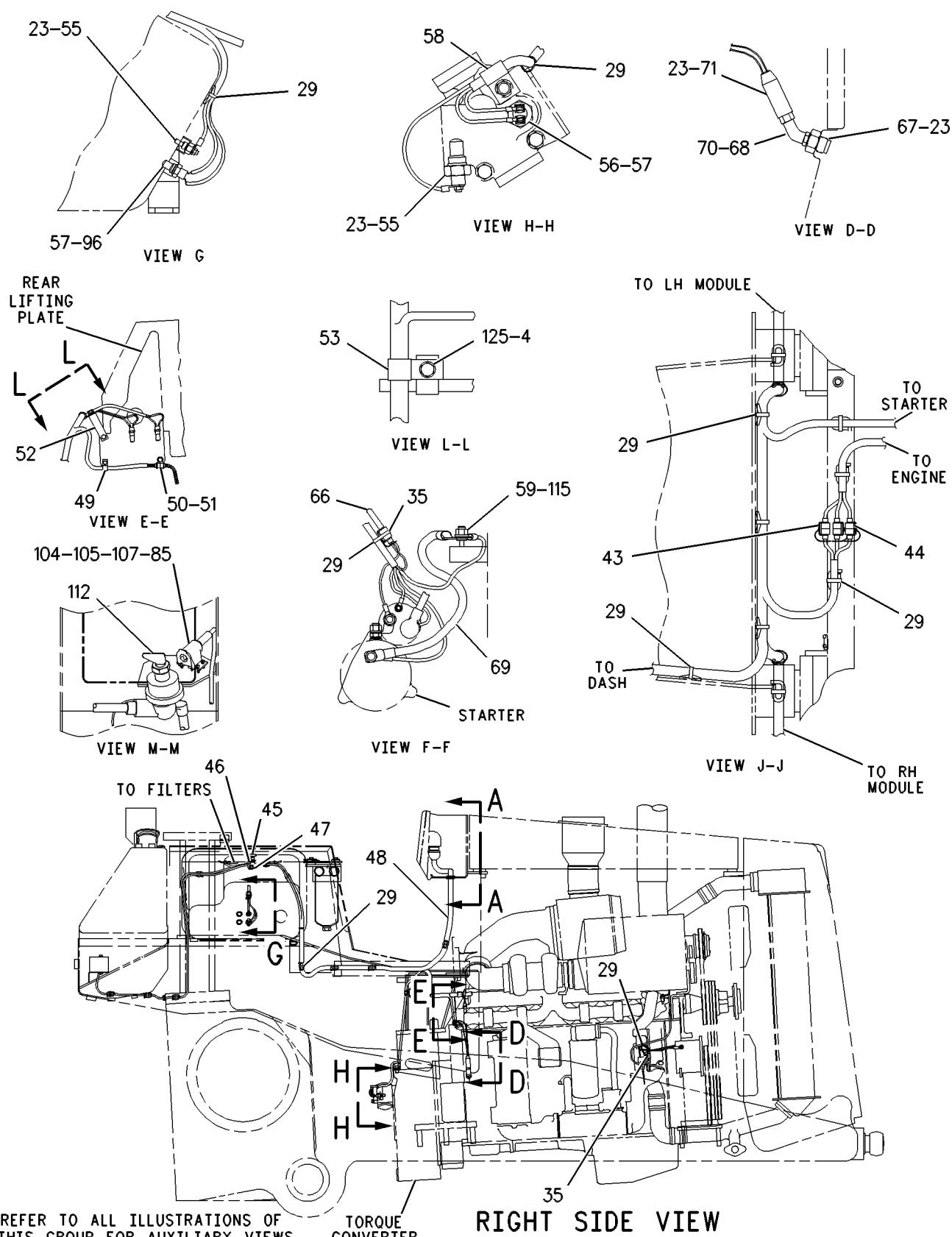
GRAPHIC #1

g00684963

# ELECTRICAL AND STARTING SYSTEM

120-6535 BATTERY & WIRING GP (contd.)

i01434435



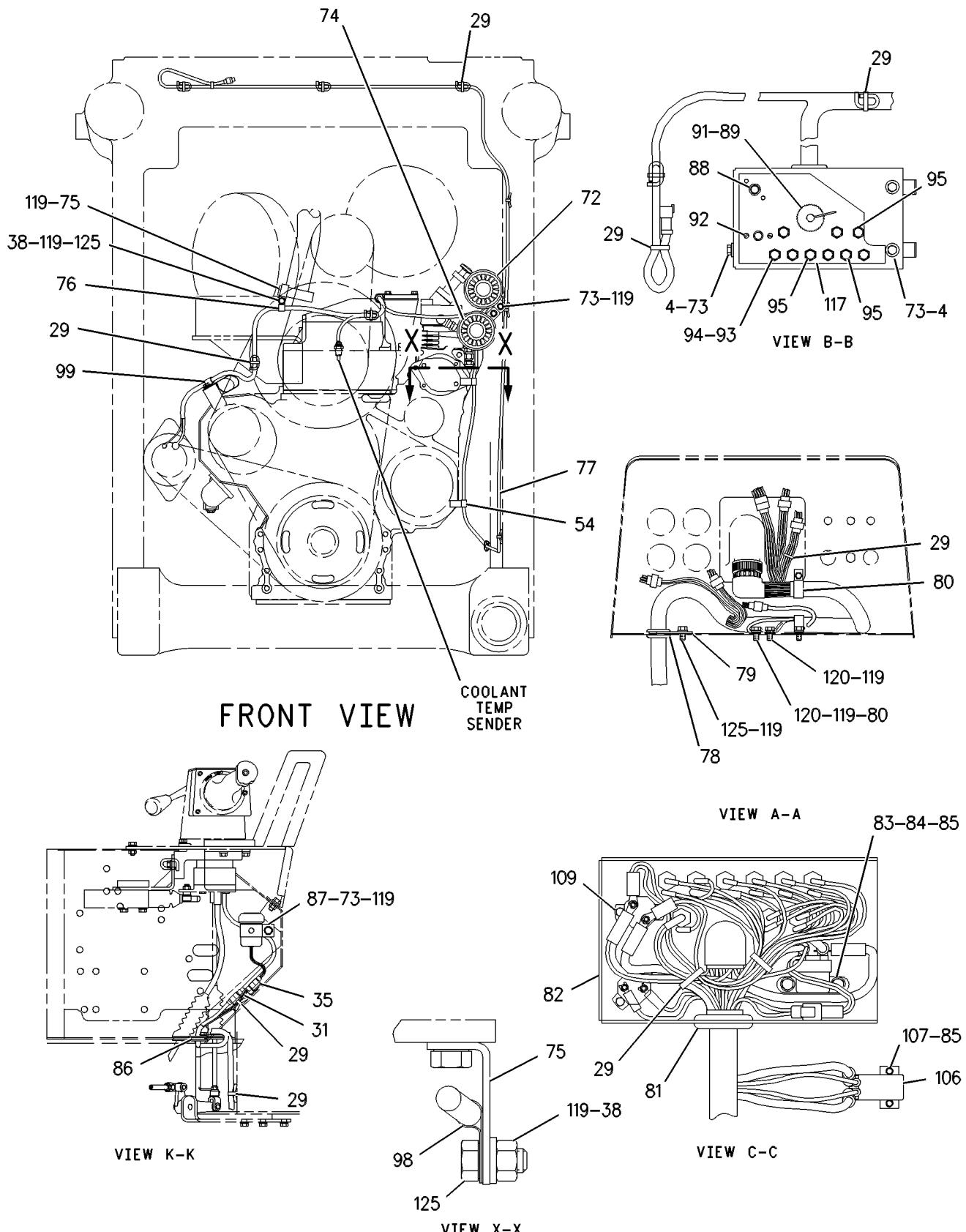
GRAPHIC #2

g00491882

# ELECTRICAL AND STARTING SYSTEM

120-6535 BATTERY & WIRING GP (contd.)

i01434435



GRAPHIC #3

g00595152

# ELECTRICAL AND STARTING SYSTEM

## 120-6535 BATTERY & WIRING GP

S/N: 9EM1263-UP

SMCS-1401, 1402, 1408

i01612798

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		8E-3860	1	HOLD-DOWN AS	
			7T-1099	2	LINK	
2	1		3T-5760	4	BATTERY (750 AMP) (12 VOLT)	
3	1		8P-1601	5	ROD	
4	1, 2, 3		5P-1075	9	WASHER-HARD (10.2X22.5X3MM THK)	
5	1		1K-5888	1	SPACER (.42X.67X.63 IN THK)	
6	1		3B-4615	5	PIN-COTTER	
7	1		8V-0622	1	CABLE AS	
E	1		5P-0761		CABLE (00GA) (RED) (14CM)	
	1		9G-0003	1	COVER-TERMINAL (BLACK)	
	1		9G-0004	1	COVER-TERMINAL (RED)	
	1		8C-5917	1	TERMINAL AS-BATTERY (POSITIVE)	
	1		8T-9757	1	TERMINAL AS-BATTERY (NEGATIVE)	
	1		1M-6119	1	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)	
	1		1M-6120	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
8	1		8E-5908	1	CABLE AS	
9	1		9G-8909	1	COVER-TERMINAL (BLACK)	
	1		1S-7252	1	TERMINAL-RING (FOR 3/8 IN BOLT)	
E	10	1	5P-0747		CABLE (00GA) (BLACK) (31CM)	
E	11	1	5P-0747		CABLE (00GA) (BLACK) (64.5CM)	
12	1		7T-4925	1	COVER-TERMINAL (BLACK) (BATTERY) (2 OPENINGS)	
13	1		9G-0005	1	COVER-TERMINAL (BLACK) (RH NEG) (BATTERY) (SINGLE OPENING)	
	1		8C-5918	1	TERMINAL AS (NEG) (SINGLE OPENING)	
14	1		9S-5755	1	TERMINAL AS (2 OPENINGS) (EACH TERMINAL AS INCLUDES)	
	1		1M-6119	1	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)	
	1		1M-6120	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
15	1		8E-5907	1	CABLE AS	
	1		1S-4915	2	LINER-CONDUIT	
BE	1		8T-2225		TUBE-HEAT SHRINK	
E	16	1	5P-0761		CABLE (00GA) (RED) (19CM)	
E	1		5P-0695		CONDUIT (91CM)	
E	17	1	5P-0761		CABLE (00GA) (RED) (118CM)	
18	1		1S-7251	1	TERMINAL-RING (FOR 1/2 IN BOLT)	
	1		8N-0869	1	COVER-TERMINAL (RED) (RING TERMINAL)	
19	1		9G-0004	1	COVER-TERMINAL (RED) (BATTERY) (SINGLE OPENING)	
20	1		7T-4924	1	COVER-TERMINAL (BATTERY) (RED) (2 OPENINGS)	
	1		9S-5754	1	TERMINAL AS (POSITIVE) (2 OPENINGS)	
21	1		8C-5917	1	TERMINAL AS-BATTERY (POSITIVE) (SINGLE OPENING) (EACH TERMINAL AS INCLUDES)	
	1		1M-6119	1	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)	
	1		1M-6120	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
22	1		3Y-2888	1	CONNECTOR	
23	1, 2		3J-1907	5	SEAL-O-RING	
24	1		8L-5008	1	ELBOW-PIPE	
25	1		203-3222	1	SWITCH AS-TEMPERATURE (COOLANT)	
	1		6V-8376	2	SCREW-MACHINE (8-32X0.25 IN)	
	1		9B-7233	2	LOCKWASHER	
26	1		5P-4116	3	WASHER-HARD (8.8X20.5X2MM THK)	
27	1		6N-5926	1	SENDER-TEMPERATURE	
28	1		3E-6425	1	SWITCH AS-TEMPERATURE (ETHER AID ARMING)	
	1		8T-8729	2	PIN-CONNECTOR	
	1		3E-3365	1	WEDGE-RECEPTACLE LOCK (2 PIN)	
	1		8T-8730	2	SOCKET-CONNECTOR	

# ELECTRICAL AND STARTING SYSTEM

**120-6535 BATTERY & WIRING GP (contd.)**

**i01612798**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
	1		<b>102-8807</b>	1	KIT-CONNECTING PLUG (2 PIN) (INCLUDES WEDGE AND PLUG AS)							
	1		<b>6V-8376</b>	2	SCREW-MACHINE (8-32X0.25 IN)							
	1		<b>9B-7233</b>	2	LOCKWASHER							
BC	29	1,2,3,4	<b>7K-1181</b>	76	STRAP-CABLE							
	30	4	<b>9W-9873</b>	1	HARNESS AS							
	31	3,4	<b>3T-3045</b>	3	CLIP AS							
	32	4	<b>3E-9350</b>	1	SWITCH AS-TEMPERATURE (POWER TRAIN OIL)							
		4	<b>3E-3365</b>	1	WEDGE-RECEPTACLE LOCK (2 PIN)							
		4	<b>8T-8729</b>	2	PIN-CONNECTOR							
		4	<b>102-8807</b>	1	KIT-CONNECTING PLUG (2 PIN) (INCLUDES WEDGE AND PLUG AS)							
		4	<b>6V-8376</b>	2	SCREW-MACHINE (8-32X0.25 IN)							
		4	<b>9B-7233</b>	2	LOCKWASHER							
		4	<b>8T-8730</b>	2	SOCKET-CONNECTOR							
	33	4	<b>184-1101</b>	1	HARNESS AS (FENDER)							
	34	1	<b>8C-3569</b>	1	SWITCH AS-TEMPERATURE (ENGINE OIL)							
		1	<b>7N-7779</b>	1	SOCKET-CONNECTOR							
		1	<b>7N-7780</b>	1	PIN-CONNECTOR							
		1	<b>7N-9737</b>	1	HOUSING-PLUG							
C	35	1,2,3,4	<b>3T-3048</b>	5	CLIP AS							
CY	36	1	<b>123-6449</b>	1	WARNING GP-BACKUP							424
		1	<b>9G-6259</b>	1	WIRE AS-ALARM							
	37	1	<b>7X-0291</b>	2	BOLT (3/8-16X3.75 IN)							
	38	1,3	<b>6V-8801</b>	4	NUT (3/8-16 THD)							
	39	1	<b>1K-9007</b>	1	GROMMET							
	40	4	<b>4P-7582</b>	1	CLIP							
	41	4	<b>5C-6266</b>	1	BOLT (5/8-11X1 IN)							
	42	4	<b>7X-0515</b>	1	WASHER-HARD (17X35X5MM THK)							
Y	43	2,4	<b>164-7577</b>	1	SWITCH GP-BYPASS							417
	44	1,2	<b>3T-3047</b>	4	CLIP AS							
		1,2	<b>3T-0010</b>	1	STRAP							
	45	2	<b>3T-2357</b>	1	SWITCH GP (HORN)							
		2	<b>3B-4501</b>	1	LOCKWASHER (SPLIT)							
		2	<b>5L-7200</b>	1	SCREW (8-32X0.375 IN)							
		2	<b>7T-9515</b>	1	KNOB-HORN							
		2	<b>9X-0199</b>	1	BOOT-SWITCH							
	46	2	<b>6V-8370</b>	1	NUT-HEX (3/4-32 THD)							
		2	<b>2H-3922</b>	1	LOCKWASHER (INTERNAL TOOTH-LARGE)							
	47	2	<b>8F-1434</b>	2	LOCKWASHER (INTERNAL TOOTH-SMALL)							
		2	<b>6V-8363</b>	2	SCREW (10-32X0.312 IN)							
C	48	2	<b>1Q-3512</b>	1	HARNESS AS (MODULE)							
	49	2	<b>5P-9085</b>	1	CLIP							
	50	1,2	<b>9G-9150</b>	2	CLIP							
	51	2	<b>9B-7237</b>	1	BOLT (3/8-16X1.25 IN)							
	52	2	<b>6T-2724</b>	1	BRACKET AS							
	53	2	<b>1S-1015</b>	1	CLIP							
	54	3	<b>6V-3265</b>	2	CLIP							
	55	2	<b>8N-3844</b>	2	SENDER-TEMPERATURE (HYDRAULIC OIL)							
	56	2	<b>3T-5825</b>	1	SWITCH AS (POWER TRAIN TEMPERATURE)							
		2	<b>6V-8376</b>	2	SCREW-MACHINE (8-32X0.25 IN)							
		2	<b>9B-7233</b>	2	LOCKWASHER							
	57	2	<b>3K-0360</b>	2	SEAL-O-RING							
	58	2	<b>5P-9297</b>	1	CLIP							
	59	1,2	<b>6V-8188</b>	3	NUT (1/2-13 THD)							
	60	1	<b>1S-0994</b>	1	CLIP							
	61	1	<b>9W-2531</b>	1	CABLE AS							
		1	<b>1S-4915</b>	2	LINER-CONDUIT							
		1	<b>1S-7251</b>	2	TERMINAL-RING (FOR 1/2 IN BOLT)							

# ELECTRICAL AND STARTING SYSTEM

**120-6535 BATTERY & WIRING GP (contd.)**

i01612798

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
E	1		<b>5P-0695</b>		CONDUIT (105CM)							
E	1		<b>5P-0761</b>		CABLE (OOGA) (RED) (120CM)							
	1		<b>8N-0869</b>	2	COVER-TERMINAL (RED)							
BE	1		<b>8T-2225</b>		TUBE-HEAT SHRINK							
62	1		<b>3S-8664</b>	3	CLIP							
63	1		<b>2B-0941</b>	1	SPACER (10.5X19X19MM THK)							
64	1		<b>8E-0599</b>	1	HARNESS AS-ENGINE							
65	1		<b>6T-9661</b>	1	CABLE AS							
	1		<b>1S-7251</b>	1	TERMINAL-RING (FOR 1/2 IN BOLT) (STRAIGHT)							
E	1		<b>5P-0747</b>		CABLE (OOGA) (BLACK) (85CM)							
	1		<b>8S-3020</b>	1	TERMINAL-CABLE (90 DEGREE)							
66	2		<b>6T-2217</b>	1	RESISTOR AS							
	2		<b>7N-9737</b>	1	HOUSING-PLUG							
	2		<b>7N-7780</b>	1	PIN-CONNECTOR							
	2		<b>7N-7779</b>	1	SOCKET-CONNECTOR							
67	2		<b>4T-9905</b>	1	ADAPTER							
68	2		<b>6V-8077</b>	1	ELBOW							
69	2		<b>2V-6166</b>	1	CABLE AS							
E	2		<b>5P-0747</b>		CABLE (OOGA) (BLACK) (41 CM)							
	2		<b>1S-7251</b>	2	TERMINAL-RING (FOR 1/2 IN BOLT)							
70	2		<b>2M-9780</b>	1	SEAL-O-RING							
71	2		<b>6T-4949</b>	1	SWITCH AS (EMS OIL PRESSURE)							
	2		<b>7N-7779</b>	1	SOCKET-CONNECTOR							
	2		<b>7N-7780</b>	1	PIN-CONNECTOR							
	2		<b>7N-9738</b>	1	HOUSING-RECEPTACLE							
C	72	3	<b>174-7876</b>	1	HORN AS (24 VOLT) (LOW TONE)							
	3		<b>096-6166</b>	2	WASHER-HARD (4.5X9X1MM THK)							
M	3		<b>8C-7581</b>	2	SCREW-MACHINE (M4X0.7X8MM)							
	3		<b>9B-7233</b>	2	LOCKWASHER							
73	3		<b>5P-8167</b>	5	BOLT (3/8-16X0.625 IN)							
C	74	3	<b>174-7875</b>	1	HORN AS (24 VOLT) (HIGH TONE)							
	3		<b>096-6166</b>	2	WASHER-HARD (4.5X9X1MM THK)							
M	3		<b>8C-7581</b>	2	SCREW-MACHINE (M4X0.7X8MM)							
	3		<b>9B-7233</b>	2	LOCKWASHER							
75	3		<b>9L-6331</b>	2	BRACKET							
76	3		<b>4K-8864</b>	1	CLIP							
77	3		<b>183-3441</b>	1	HARNESS AS (RADIATOR GUARD)							
78	3		<b>6P-6641</b>	1	GROMMET							
79	3		<b>8E-1014</b>	1	RETAINER							
80	3		<b>9M-4972</b>	2	CLIP							
81	3		<b>8D-1470</b>	1	GROMMET							
82	3		<b>1Q-3511</b>	1	PANEL AS-FUSE							
	3		<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)							
	3		<b>9F-6445</b>	5	NUT-WELD (1/4-20 THD)							
Y	83	3	<b>3E-0075</b>	1	SWITCH GP-MAGNETIC (START RELAY)							421
84	3		<b>5S-7349</b>	2	BOLT (1/4-20X0.5 IN)							
85	2,3		<b>8T-4205</b>	6	WASHER-HARD (7.2X14.5X2MM THK)							
86	3		<b>5P-6264</b>	1	GROMMET							
Y	87	3	<b>9G-9813</b>	1	ALARM GP (NEUTRAL START)							289
88	3		<b>9M-5711</b>	1	PLUG-PROTECTION							
89	3		<b>9G-4360</b>	1	CAP-CONNECTOR							
90	1		<b>8E-5909</b>	1	CABLE AS							
E	1		<b>5P-0747</b>		CABLE (OOGA) (BLACK) (19.5CM)							
	1		<b>9G-0003</b>	1	COVER-TERMINAL (BLACK)							
	1		<b>9G-0004</b>	1	COVER-TERMINAL (RED)							
	1		<b>8C-5917</b>	1	TERMINAL AS-BATTERY (POSITIVE)							
	1		<b>8T-9757</b>	1	TERMINAL AS-BATTERY (NEGATIVE)							
					(EACH TERMINAL AS INCLUDES)							
1			<b>1M-6119</b>	1	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)							

# ELECTRICAL AND STARTING SYSTEM

**120-6535 BATTERY & WIRING GP (contd.)**

**i01612798**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
	1		1M-6120	1	NUT-BATTERY TERMINAL (5/16-18 THD)							
91	3		8N-1537	1	LOCKWASHER							
92	3		6V-5645	2	SCREW-MACHINE (10-32X0.87 IN)							
93	3		3K-8782	6	FUSE (10 AMP)							
94	3		4K-5122	9	HOLDER AS-FUSE (EACH INCLUDES)							
	3		139-0178	1	CAP							
95	3		8M-8948	3	FUSE (15 AMP)							
96	2		203-3223	1	SWITCH AS-TEMPERATURE (HYDRAULIC OIL)							
	2		6V-8376	2	SCREW-MACHINE (8-32X0.25 IN)							
	2		9B-7233	2	LOCKWASHER							
97	4		3T-1480	1	WIRE AS							
98	1,3		4D-7794	2	CLIP							
99	3		9M-8406	1	CLIP							
100	4		4P-7581	1	CLIP							
101	1		3S-3216	1	BRACKET							
102	1		8S-0948	1	CLIP							
103	1		5S-7382	1	BOLT (3/8-16X1.375 IN)							
104	2		102-9235	1	SOCKET AS-POWER (24 VOLT OUTLET)							
	2		102-8802	1	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE AS & PART MARKED J )							
	2		8T-8729	2	PIN-CONNECTOR							
J	2		3E-3365	1	WEDGE-RECEPTACLE LOCK (2 PIN)							
105	2		125-4490	1	CLIP							
106	3		165-4026	1	SWITCH AS-MAGNETIC (MAIN RELAY)							
	3		4F-2294	2	NUT-JAM (5/16-24 THD)							
	3		6V-8186	2	NUT-FULL (5/16-24 THD)							
	3		6V-8378	2	NUT (10-32 THD)							
107	2,3		8T-9364	4	BOLT (1/4-20X0.625 IN)							
108	1		3K-6060	5	LOCKNUT (3/8-16 THD)							
109	3		171-2208	1	CIRCUIT BREAKER GP (60 AMP)							
	3		8T-0328	2	WASHER-HARD (5.5X10X1MM THK)							
	3		6V-8378	2	NUT (10-32 THD)							
	3		8F-1434	2	LOCKWASHER							
110	1		7X-0289	1	BOLT (3/8-16X1.875 IN)							
111	1		4P-8134	3	CLIP							
Y	112	2	7N-0718	1	SWITCH GP-DISCONNECT (BATTERY)							418
Y	113	1	9W-0742	1	JUNCTION BLOCK GP							365
114	1		8T-9383	2	BOLT (1/2-13X0.75 IN)							
115	1,2		8T-4223	5	WASHER-HARD (13.5X25.5X3MM THK)							
116	1		8N-0869	1	COVER-TERMINAL (RED)							
117	3		6I-9472	1	FILM-FACE							
118	1		6I-8612	1	HARNESS AS (FUEL LEVEL)							
119	3,4		8T-4896	32	WASHER-HARD (10.2X18.5X2.5MM THK)							
120	3,4		5S-7379	12	BOLT (3/8-16X0.875 IN)							
121	1		8S-2634	1	COVER AS							
	1		2P-2975	2	SEAL-O-RING							
122	1		6I-9412	1	RECEPTACLE AS-AUXILIARY START							
	1		1S-4915	2	LINER-CONDUIT							
	1		1S-7251	2	TERMINAL-RING (FOR 1/2 IN BOLT)							
E	1		5P-0695		CONDUIT (91CM)							
E	1		5P-0761		CABLE (00GA) (RED) (117CM)							
E	1		5P-0747		CABLE (00GA) (BLACK) (70CM)							
	1		6V-2722	1	TUBE-HEAT SHRINK							
BE	1		8T-2225		TUBE-HEAT SHRINK							
123	1		3E-2024	1	SWITCH AS-PRESSURE (FUEL)							
	1		3E-3365	1	WEDGE-RECEPTACLE LOCK (2 PIN)							
	1		8T-8729	2	PIN-CONNECTOR							

# ELECTRICAL AND STARTING SYSTEM

120-6535 BATTERY & WIRING GP (*contd.*)

i01612798

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1		102-8802	1	KIT-RECEPTACLE (2 PIN) (INCLUDES WEDGE AND RECEPTACLE AS)						
	1		8T-8730	2	SOCKET-CONNECTOR						
124	1		1H-5166	1	CLIP						
125	1, 2, 3		5M-3062	6	BOLT (3/8-16X0.75 IN)						
126	1		3B-7255	1	BUSHING-REDUCING						
127	1		112-9069	1	BRACKET						

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

E-ORDER BY THE CENTIMETER

J-KIT MARKED J INCLUDES PARTS MARKED J

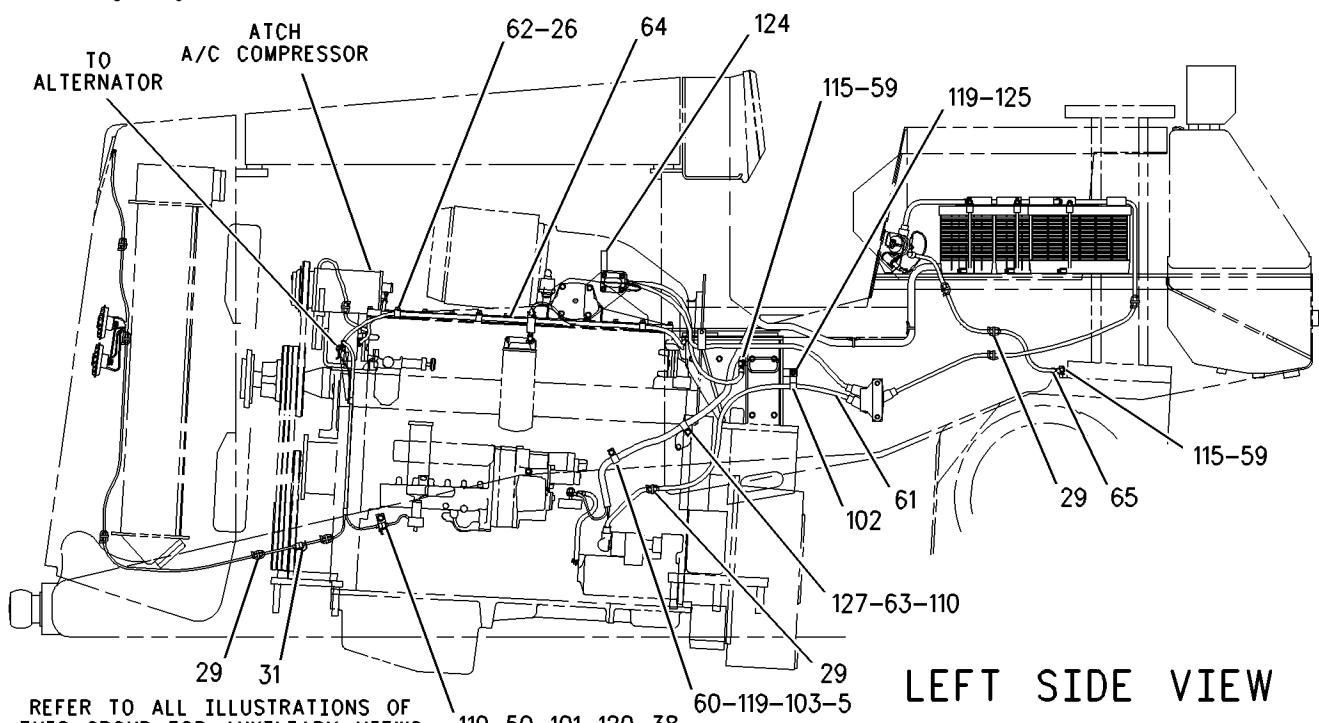
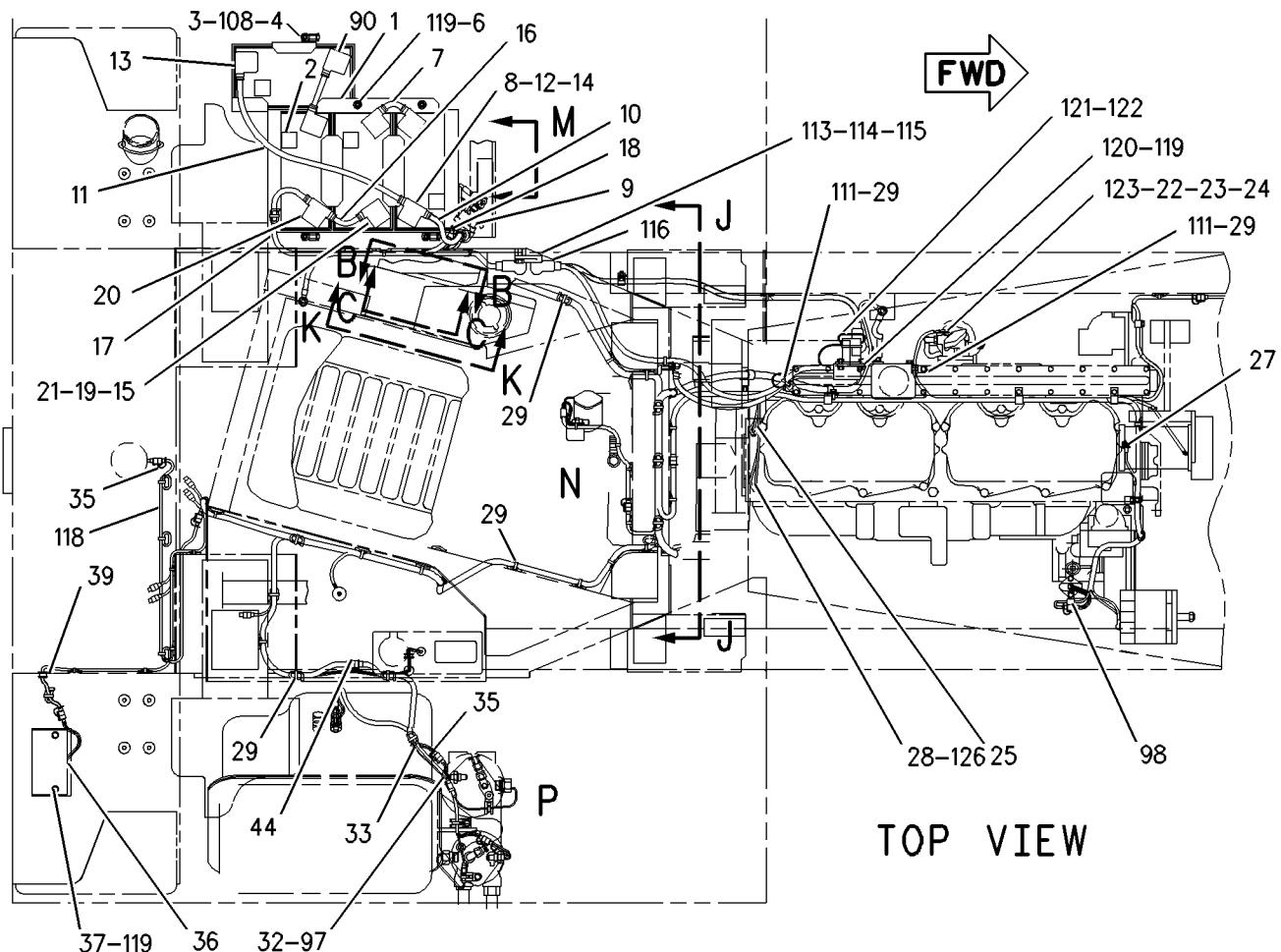
M-METRIC PART

Y-SEPARATE ILLUSTRATION

# ELECTRICAL AND STARTING SYSTEM

120-6535 BATTERY & WIRING GP (contd.)

i01612798



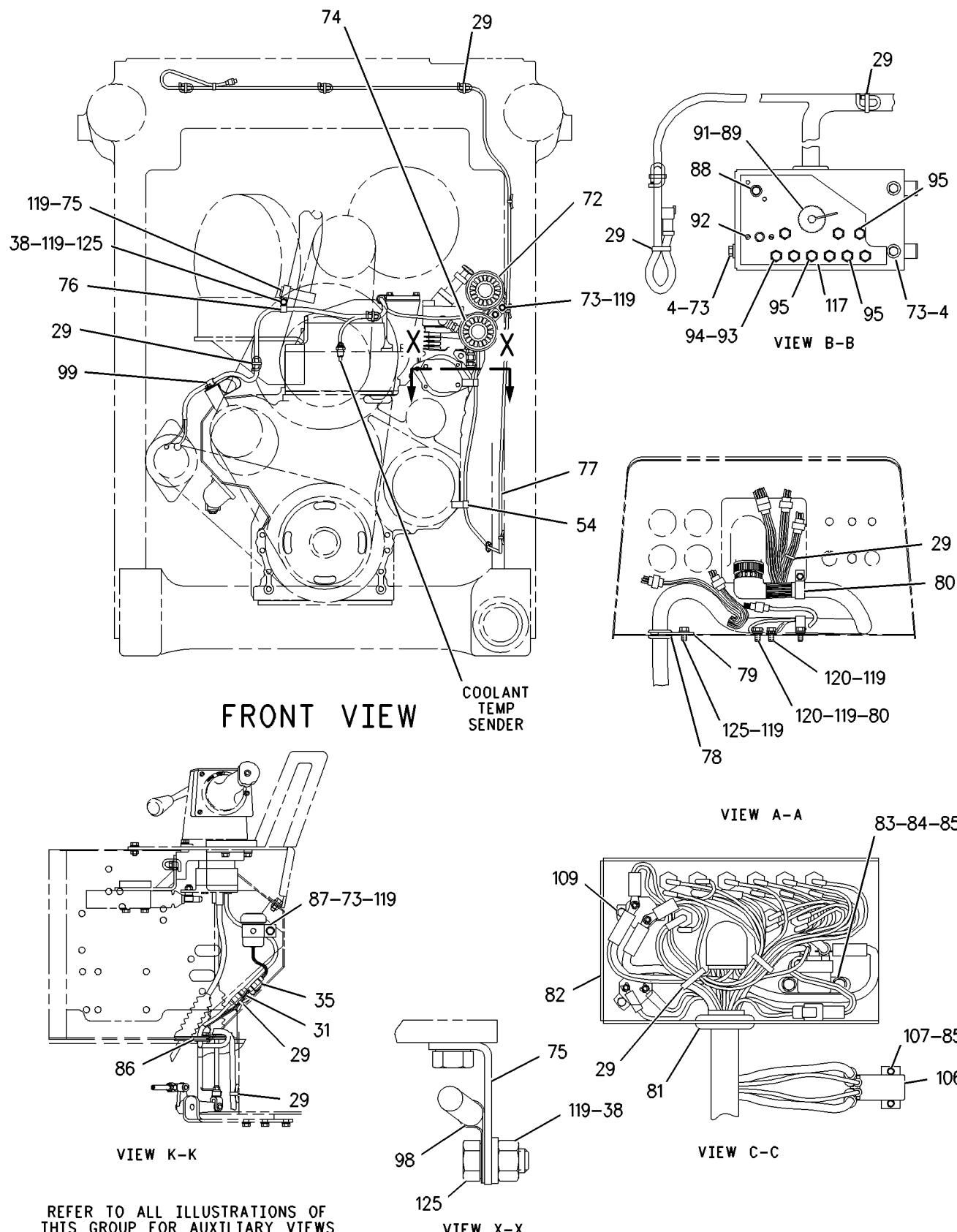
GRAPHIC #1

g00868560

# ELECTRICAL AND STARTING SYSTEM

120-6535 BATTERY & WIRING GP (*contd.*)

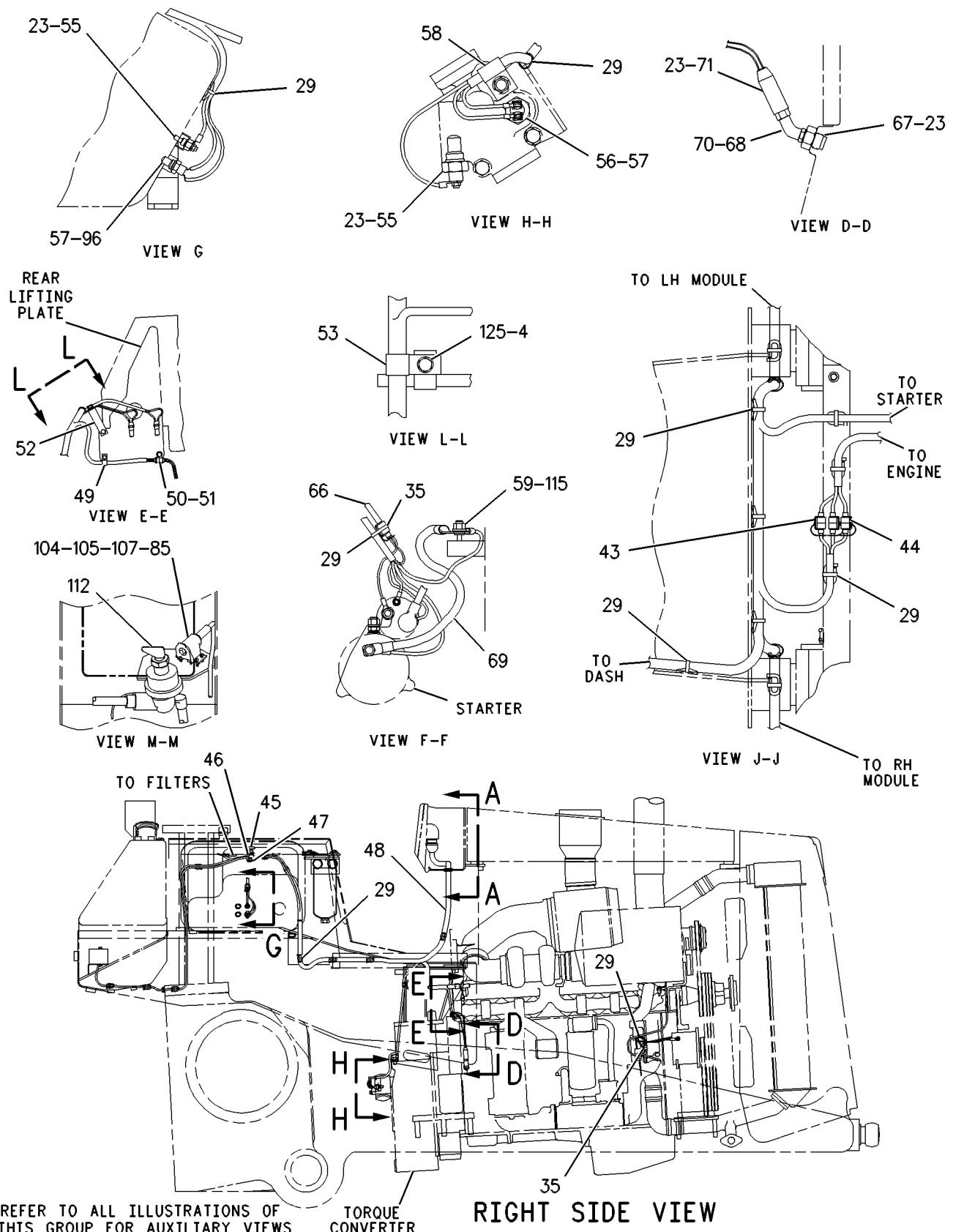
i01612798



# ELECTRICAL AND STARTING SYSTEM

120-6535 BATTERY & WIRING GP (contd.)

i01612798



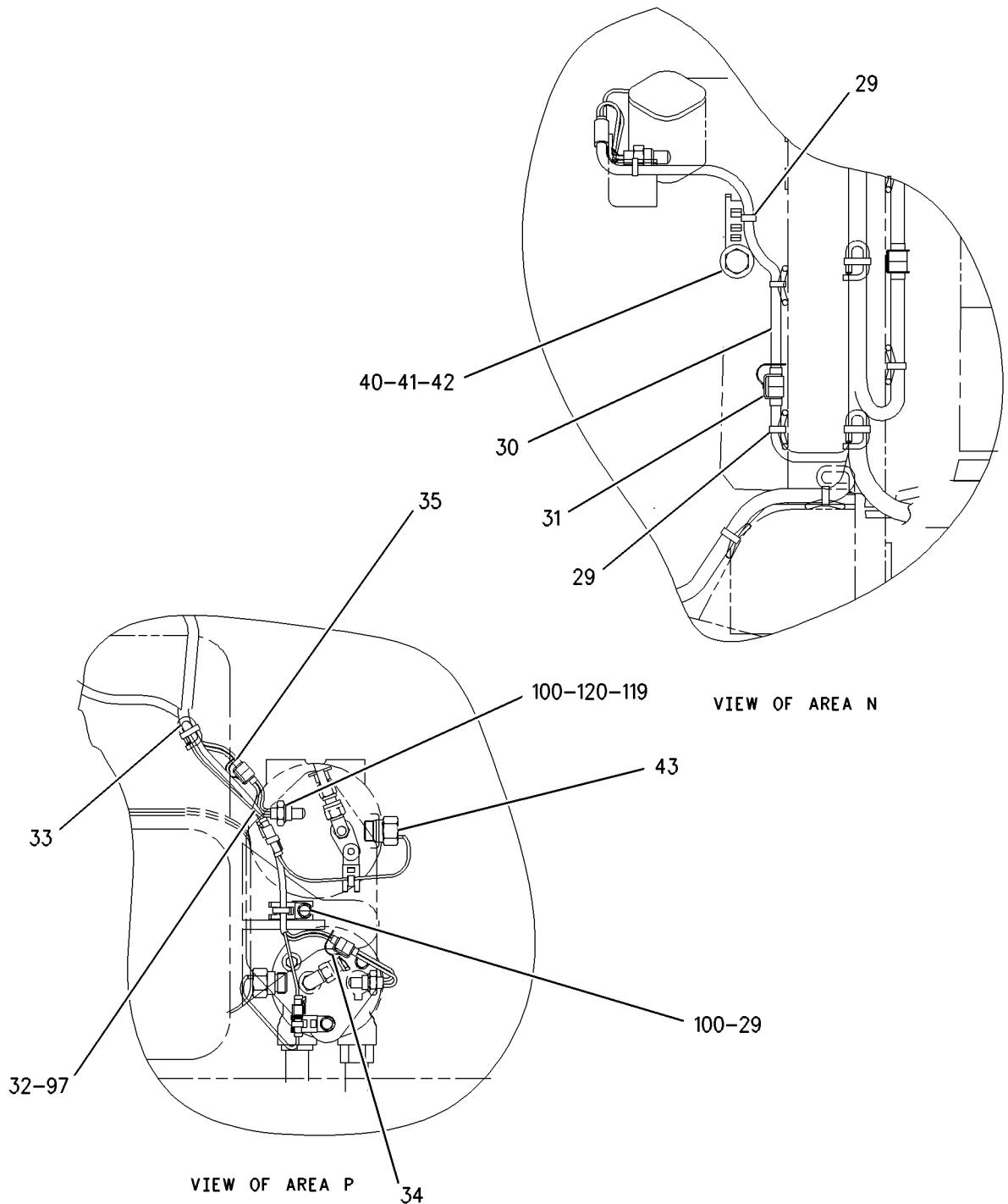
GRAPHIC #3

g00491882

# ELECTRICAL AND STARTING SYSTEM

120-6535 BATTERY & WIRING GP (*contd.*)

i01612798



REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

GRAPHIC #4

g00857810

# ELECTRICAL AND STARTING SYSTEM

## 6Y-3509 BATTERY BOX GP

S/N: 9EM1-UP

SMCS-1401

i01323288

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		<b>6Y-3962</b>	1	COVER AS	
			<b>1F-0748</b>	1	NUT-WELD (1/2-13 THD)	
			<b>1S-6385</b>	1	LUG	
2	1		<b>6Y-8735</b>	1	DOOR	
3	1		<b>6K-1049</b>	1	HINGE	
4	1		<b>8P-0612</b>	2	BRACKET	
5	1		<b>5S-7379</b>	4	BOLT (3/8-16X.875 IN)	
6	1		<b>5P-1075</b>	34	WASHER-HARD (3MM THK)	
7	1		<b>5M-3062</b>	26	BOLT (3/8-16X.75 IN)	
8	1		<b>8T-4896</b>	8	WASHER-HARD (10.2X18.5X2.5MM THK)	
9	1		<b>6D-1746</b>	2	BOLT	
10	1		<b>9W-5551</b>	1	DOOR AS	
11	1		<b>3B-4610</b>	2	COTTER	
12	1		<b>5P-8502</b>	2	PADLOCK GP	
					(EACH INCLUDES)	
A	1		<b>8Y-6364</b>	1	SLEEVE	
A	1		<b>5P-8500</b>	1	KEY	
13	1		<b>9W-5561</b>	1	PLATE AS	
14	1		<b>8T-4223</b>	1	WASHER-HARD (3MM THK)	
15	1		<b>6Y-3964</b>	1	SUPPORT AS	
	1		<b>1F-0750</b>	7	NUT-WELD (3/8-16 THD)	
	1		<b>7G-4262</b>	1	HINGE	
16	1		<b>4L-6454</b>	9	BOLT (3/8-16X1 IN)	
17	1		<b>7T-7523</b>	1	PLATE AS	
	1		<b>1F-0748</b>	1	NUT-WELD (1/2-13 THD)	
18	1		<b>6Y-3971</b>	1	PLATE AS	
19	1		<b>6Y-4088</b>	1	STRIKER AS	
20	1		<b>2V-5019</b>	1	SPRING	
21	1		<b>5S-7349</b>	1	BOLT (1/4-20X0.5 IN)	
	1		<b>8T-0334</b>	1	WASHER-HARD	
	1		<b>6V-8185</b>	1	NUT (1/4-20 THD)	
22	1		<b>9M-3835</b>	2	LATCH-RUBBER	
23	1		<b>2M-5795</b>	2	PIN-CLEVIS	
	1		<b>5V-1496</b>	2	RETAINER	
24	1		<b>6Y-3957</b>	1	SUPPORT AS	
	1		<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)	
25	1		<b>6Y-3973</b>	1	LINK	
26	1		<b>8T-4222</b>	2	WASHER-PLATED (2.5MM THK)	
27	1		<b>8E-3623</b>	1	BRACKET AS	
	1		<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)	
28	1		<b>9W-7543</b>	1	HINGE	
29	1		<b>8E-3621</b>	1	BRACKET AS	
	1		<b>1F-0750</b>	3	NUT-WELD (3/8-16 THD)	
30	1		<b>9W-7547</b>	1	PLATE	
31	1		<b>6Y-3960</b>	1	COVER AS	
	1		<b>1F-0750</b>	13	NUT-WELD (3/8-16 THD)	
	1		<b>6B-1976</b>	2	ANGLE-BOTTOM	
	1		<b>9M-3838</b>	2	BRACKET	
32	1		<b>6J-0488</b>	9	SCREW-HEAD (3/8-16X.875 IN)	
33	1		<b>6V-8801</b>	2	NUT (3/8-16 THD)	
B	34	1	<b>8B-4624</b>	1	SHIM (.032IN THK)	

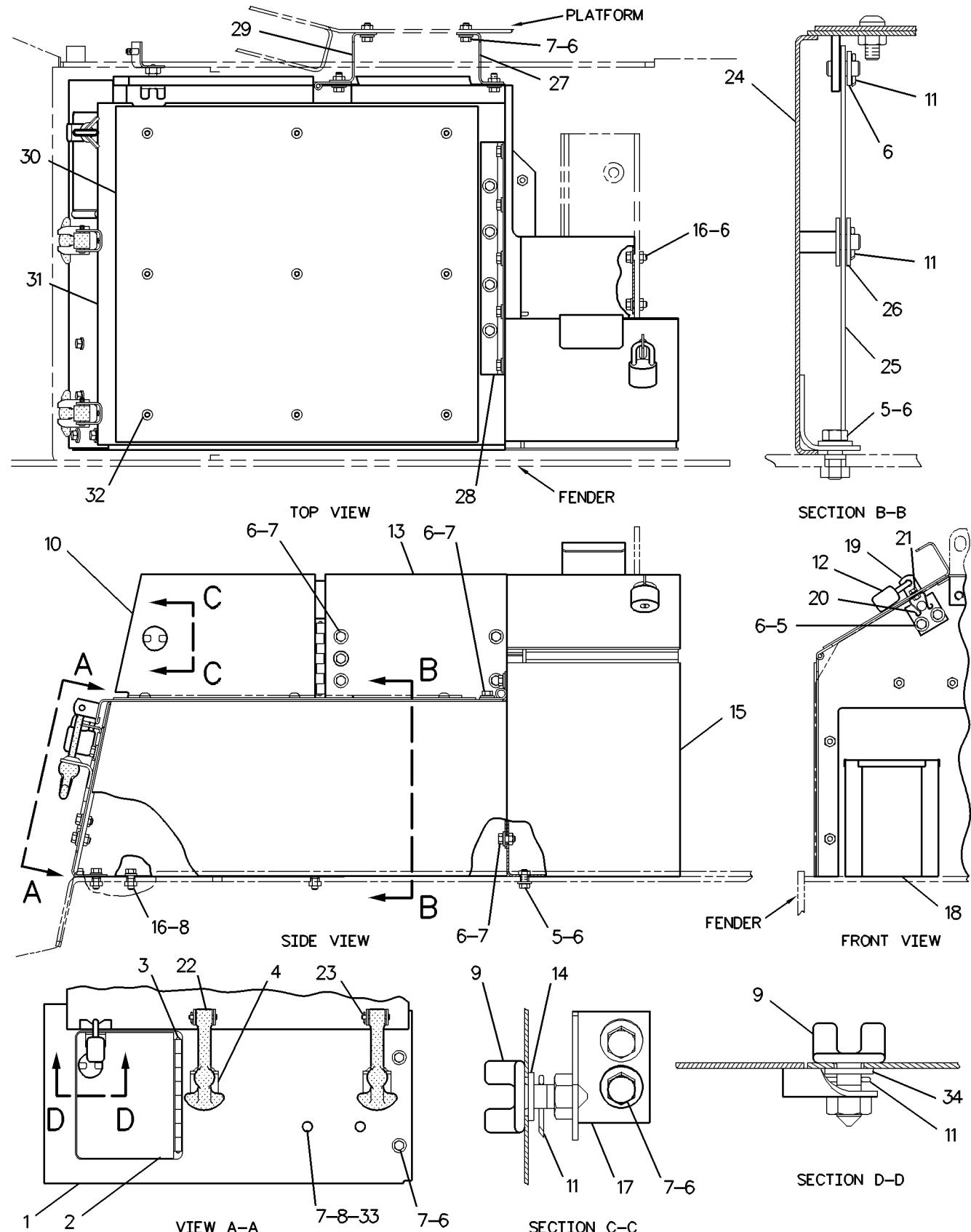
A-NOT PART OF THIS GROUP

B-USE AS REQUIRED

# ELECTRICAL AND STARTING SYSTEM

6Y-3509 BATTERY BOX GP (contd.)

i01323288



GRAPHIC #1

g00700757

# ELECTRICAL AND STARTING SYSTEM

## 100-5052 CONTROL GP-ELECTRONIC FILTER

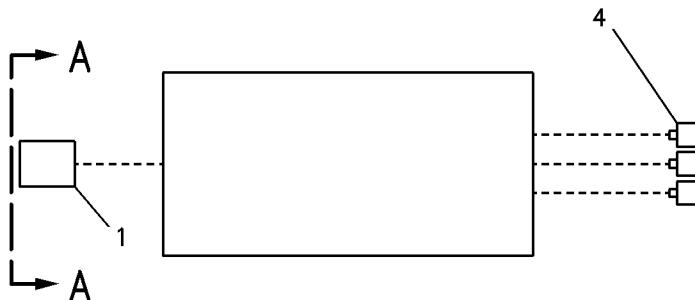
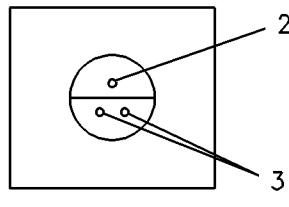
S/N: 9EM1-UP

PART OF 8E-5451, 8E-5452 INSTRUMENT GP  
ALSO AN ATTACHMENT

SMCS-5485

i00569720

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		7N-7781	1	HOUSING-RECEPTACLE						
2	1		7N-7779	1	SOCKET						
3	1		7N-7780	2	PIN-CONNECTOR						
4	1		124-8821	3	TERMINAL						



GRAPHIC #1

g00228188

# ELECTRICAL AND STARTING SYSTEM

**121-0366 CONVERSION GP**

S/N: 9EM1-UP

NON ETHER STARTING AID  
AN ATTACHMENT

SMCS-1400, 1450

i00755425

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
	2Y-2882	1	PLUG						

# ELECTRICAL AND STARTING SYSTEM

## 6I-9020 CONVERTER GP-ELECTRICAL

S/N: 9EM1-UP

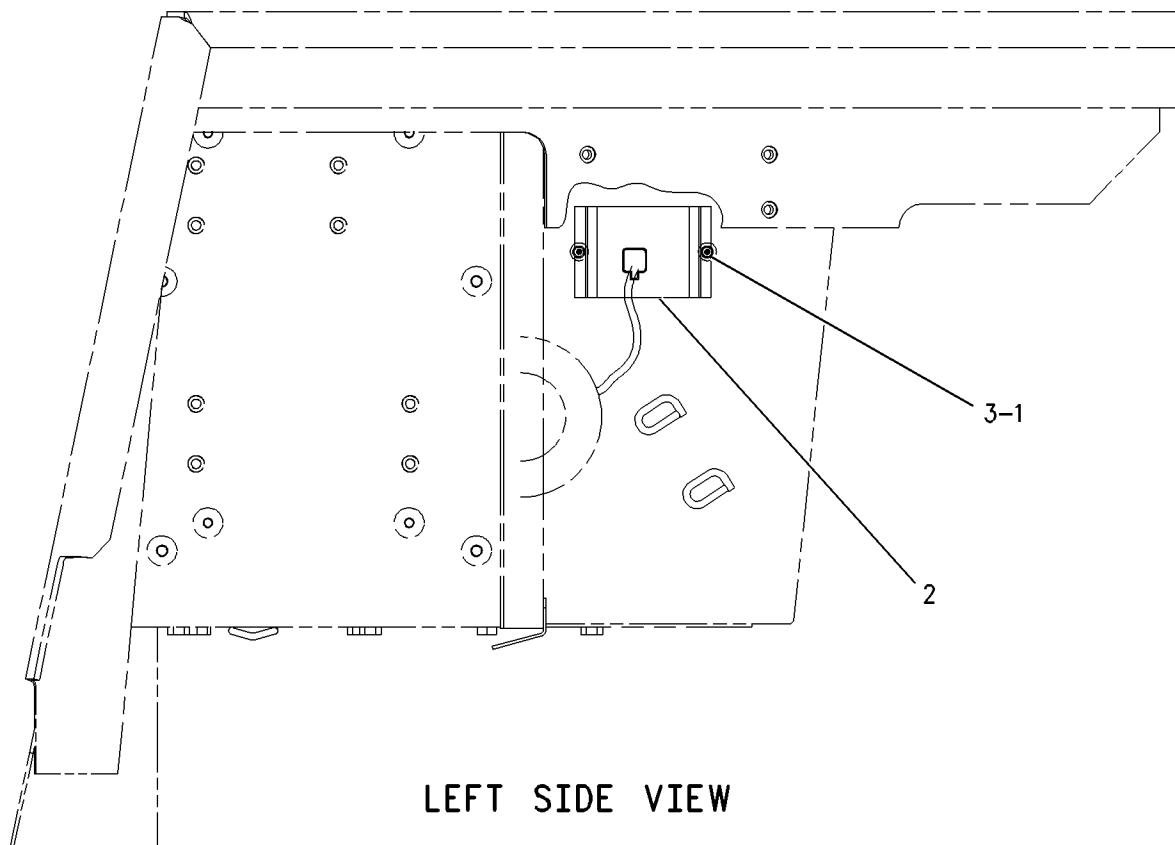
12 VOLT

PART OF 200-8097 CAB AR  
AN ATTACHMENT

SMCS-1421

i01617274

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		8F-1434	2	LOCKWASHER						
2	1		205-4285	1	CONVERTER GP-ELECTRICAL (24 VOLT TO 12 VOLT)						
3	1		2N-3479	2	SCREW (10-24X0.5 IN)						



LEFT SIDE VIEW

GRAPHIC #1

g00851125

# ELECTRICAL AND STARTING SYSTEM

## 132-0976 HEATER GP-JACKET WATER

S/N: 9EM1-UP

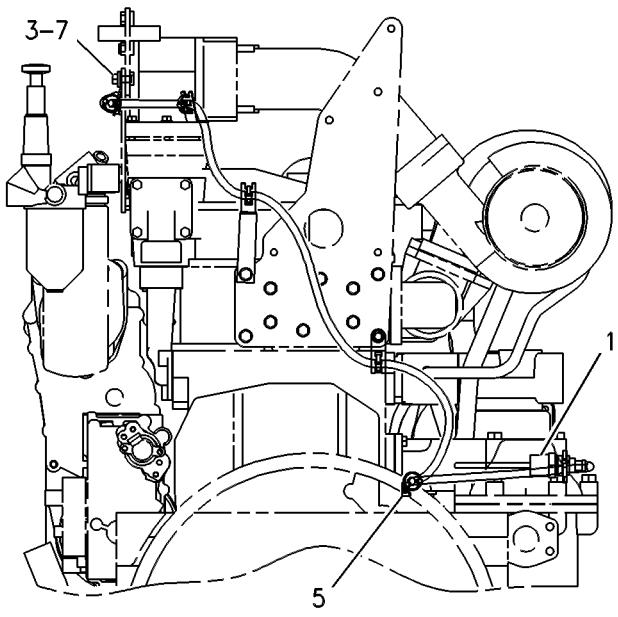
120 VOLT

AN ATTACHMENT

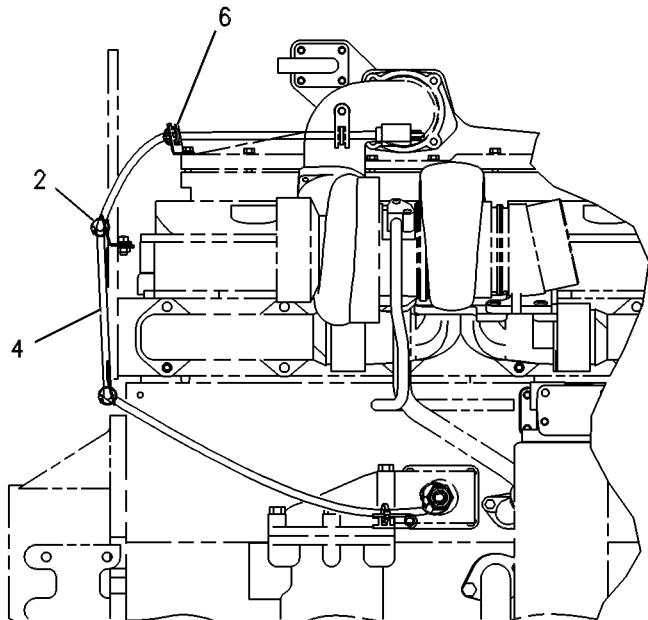
SMCS-1383

i01027621

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		9G-6655	1	ELEMENT AS-JACKET WATER HEATER							
2	1		9X-6772	6	STRAP-CABLE							
3	1		5P-1075	1	WASHER-HARD (3MM THK)							
4	1		131-9291	1	CORD AS-JACKET WATER HEATER							
5	1		4P-7581	1	CLIP							
6	1		4P-8134	1	CLIP							
7	1		5M-3062	1	BOLT (3/8-16X.75IN)							



REAR VIEW



RIGHT SIDE VIEW

GRAPHIC #1

g00276067

# ELECTRICAL AND STARTING SYSTEM

## 132-6541 HEATER GP-JACKET WATER

S/N: 41Z1-UP

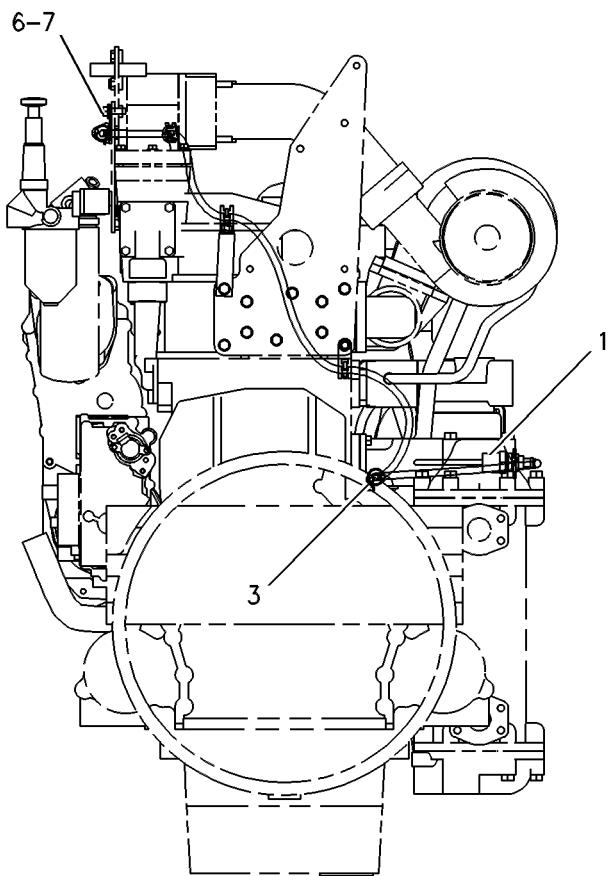
240 VOLT/1500 WATT

AN ATTACHMENT

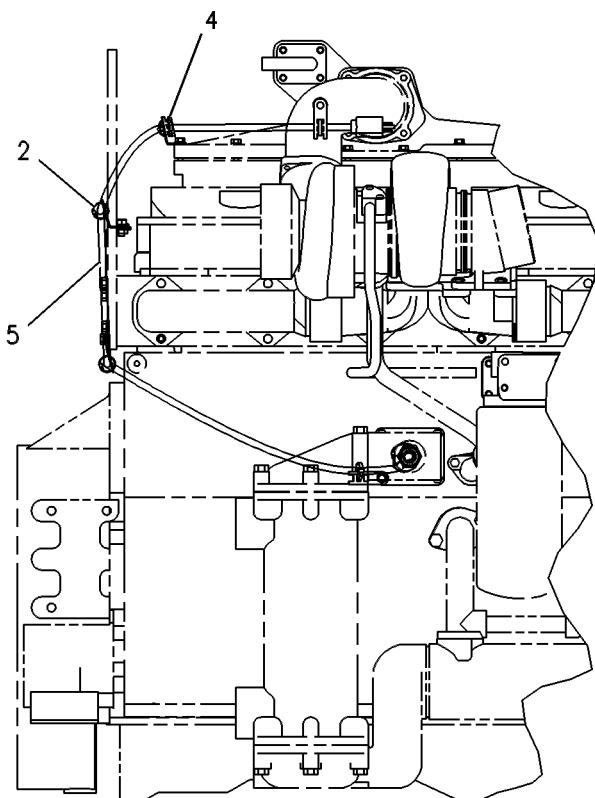
SMCS-1383

i01364539

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		6T-3764	1	ELEMENT AS-JACKET WATER HEATER						
2	1		9X-6772	6	STRAP-CABLE (1.97 IN DIA)						
3	1		4P-7581	3	CLIP						
4	1		4P-8134	2	CLIP						
5	1		132-6542	1	CORD AS-JACKET WATER HEATER						
6	1		5M-3062	1	BOLT (3/8-16X.75 IN)						
7	1		5P-1075	1	WASHER-HARD (3MM THK)						



REAR VIEW



RIGHT SIDE VIEW

GRAPHIC #1

g00276881

# ELECTRICAL AND STARTING SYSTEM

## 9W-0742 JUNCTION BLOCK GP

S/N: 9EM1-UP

PART OF 120-6535 BATTERY & WIRING GP

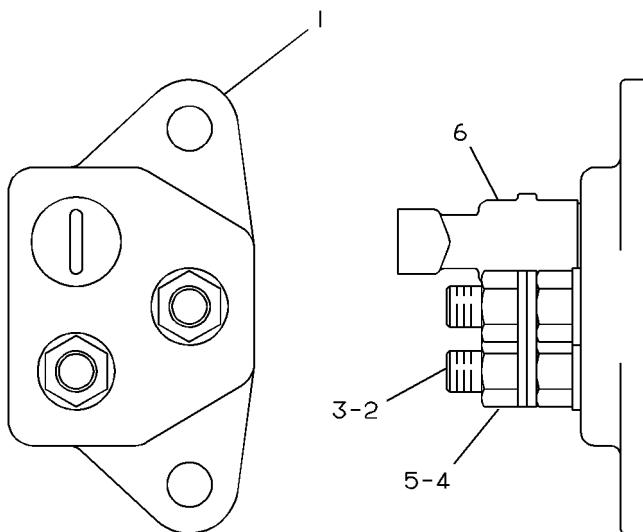
SMCS-1408

i00571914

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		8C-6358	1	JUNCTION BLOCK AS						
2	1		8T-3519	3	BOLT-BRONZE						
3	1		8C-6921	3	NUT-SPACER (1/2-13 THD)						
4	1		8T-3518	6	NUT-FULL						
5	1		7F-0560	6	WASHER (2.57MM THK)						
BD	6	1	6V-2722		TUBE-SHRINKABLE						

B-USE AS REQUIRED

D-ORDER BY THE METER



GRAPHIC #1

g00082186

# ELECTRICAL AND STARTING SYSTEM

## 3E-6389 LAMP GP-DOME

S/N: 9EM1-UP

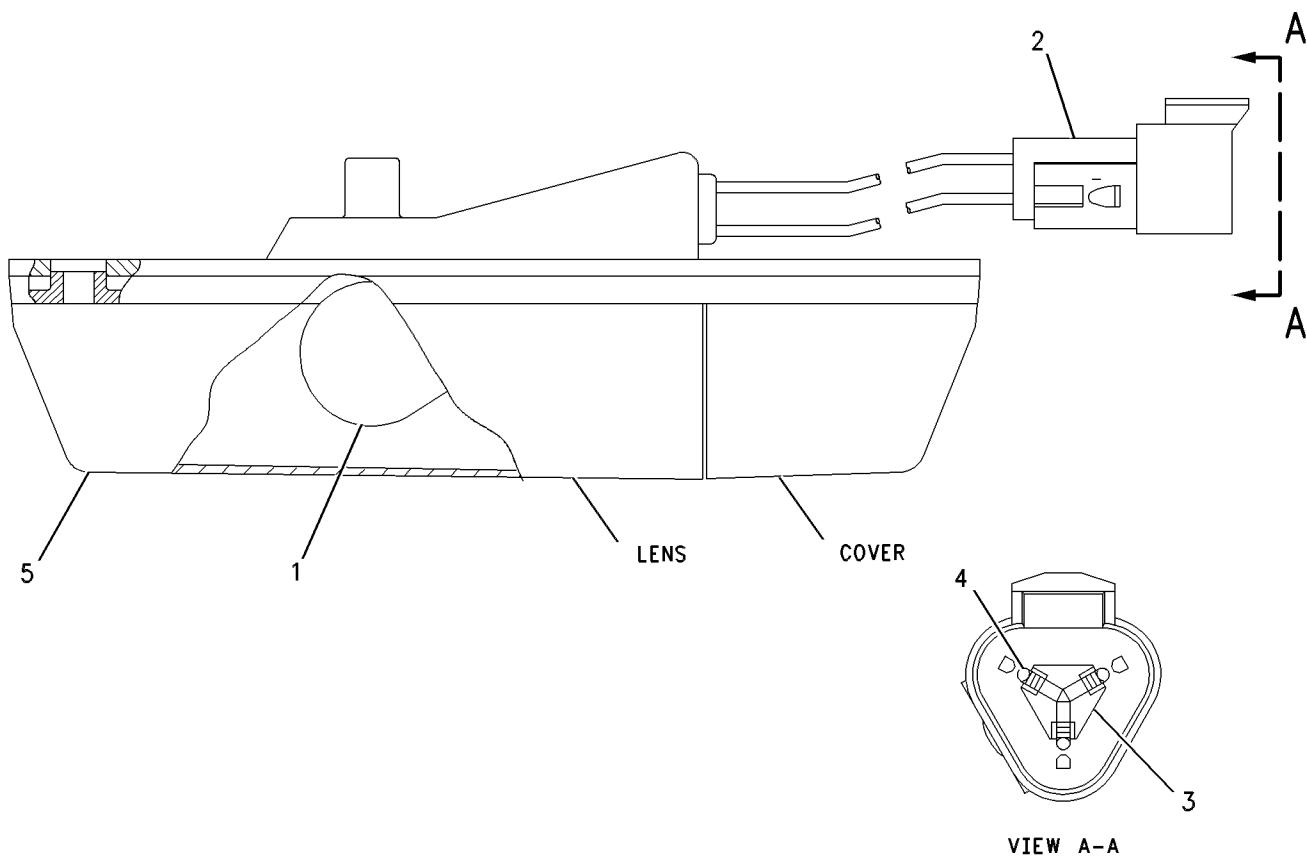
24 VOLT. WITH SWITCH

PART OF 189-2634 LINER GP-CAB  
AN ATTACHMENT

SMCS-1429

i01501995

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		7N-9943	1	LAMP (28 VOLT)						
2	1		102-8803	1	KIT-RECEPTACLE (3 PIN) (INCLUDES RECEPTACLE AS & WEDGE)						
1			3E-3371	1	WEDGE-RECEPTACLE LOCK (3 PIN)						
1			8T-8729	3	PIN-CONNECTOR						
3	1		7T-0020	1	LENS-DOME LAMP						



GRAPHIC #1

g00647928

# ELECTRICAL AND STARTING SYSTEM

## 106-8964 LAMP GP-FLOOD

S/N: 9EM1-743; 3MP1-UP; 4ZP1-99999

24 VOLT. SUSPENDED

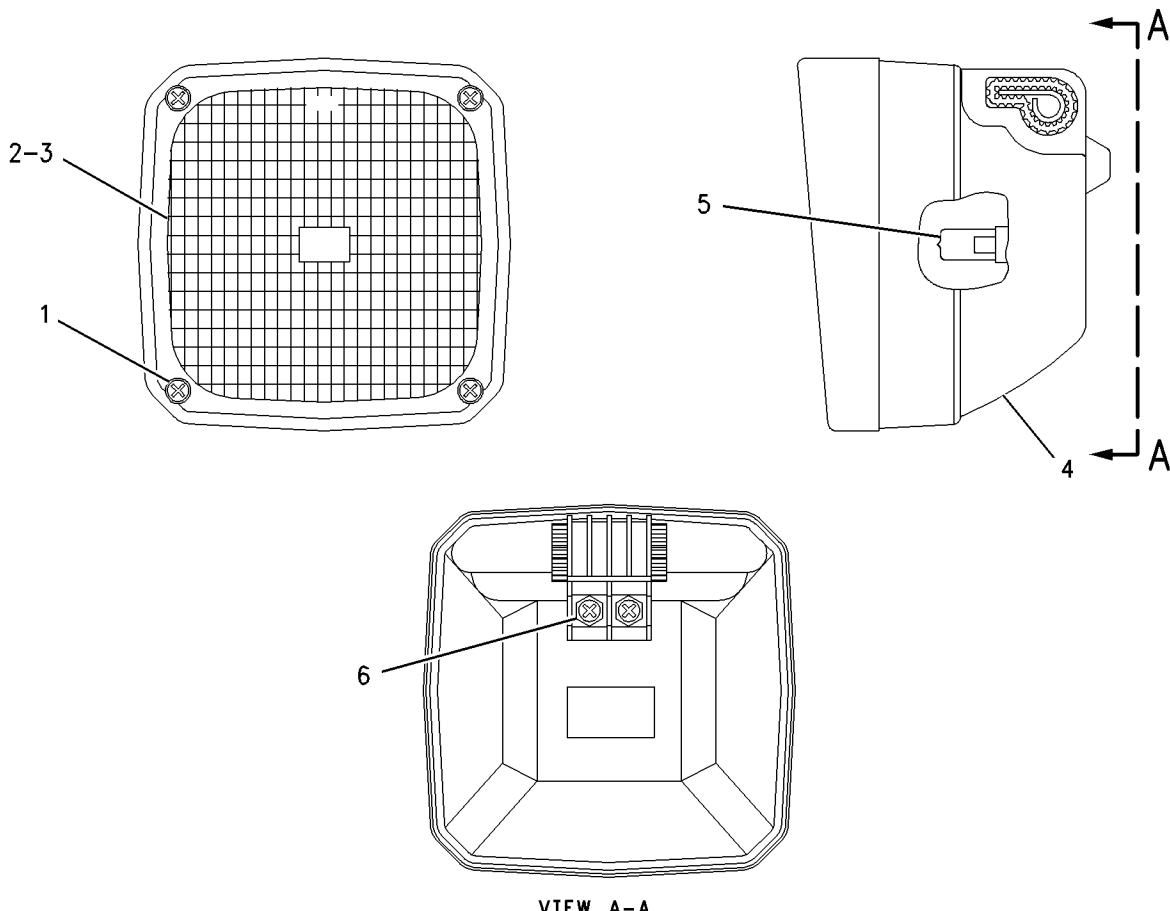
PART OF 109-1543 LIGHTING GP-FLOOD, 115-8392 LIGHTING GP-FRONT  
FIELD REPLACEMENT ORDER 2-8T-8730 SOCKET-CONNECTOR, 1-155-2270  
KIT-CONNECTING PLUG, 1-165-0699 KIT-MOUNTING BRACKET  
ALSO AN ATTACHMENT

SMCS-1434

i01320828

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
1	1		107-5851	4	SCREW							
2	1		107-5853	1	LENS AS-FLOOD							
3	1		107-5852	1	SEAL							
4	1		107-5854	1	BODY AS-LAMP							
5	1		9X-3463	1	LAMP (24 VOLT) (65 WATT)							
M	6	1	8T-0337	2	SCREW-MACHINE (M4X0.7X12MM)							

M - METRIC PART



GRAPHIC #1

g00657078

# ELECTRICAL AND STARTING SYSTEM

## 107-6689 LAMP GP-FLOOD

S/N: 9EM1-UP

24 VOLT. VERTICAL

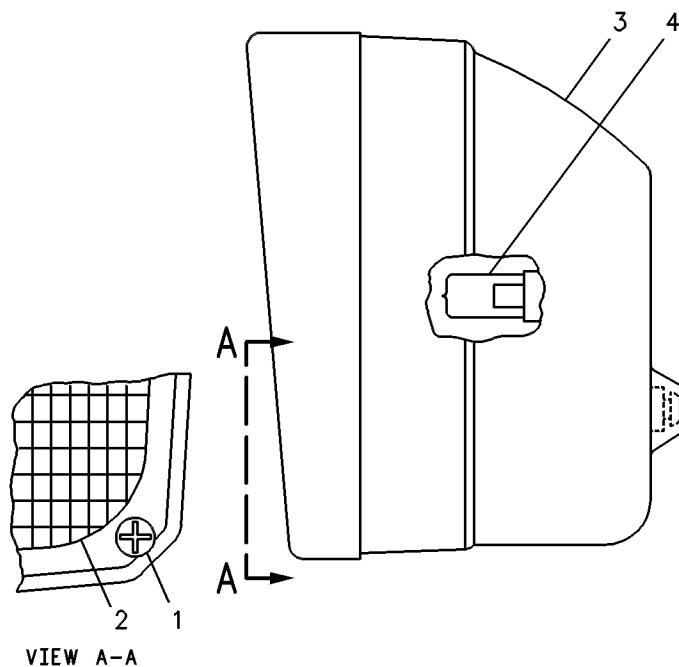
PART OF 6Y-4581 LIGHTING GP-RIPPER  
AN ATTACHMENT

SMCS-1434

i01320831

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		107-5851	4	SCREW						
2	1		107-5853	1	LENS AS -FLOOD						
	1		107-5852	1	SEAL						
3	1		107-5854	1	BODY AS -LAMP						
M	1		8T-0337	2	SCREW-MACHINE (M4X0.7X12MM)						
4	1		9X-3463	1	LAMP (24 VOLT) (65 WATT)						

M-METRIC PART



GRAPHIC #1

g00084818

# ELECTRICAL AND STARTING SYSTEM

**112-9378 LAMP GP-FL00D**

S/N: 9EM1-431

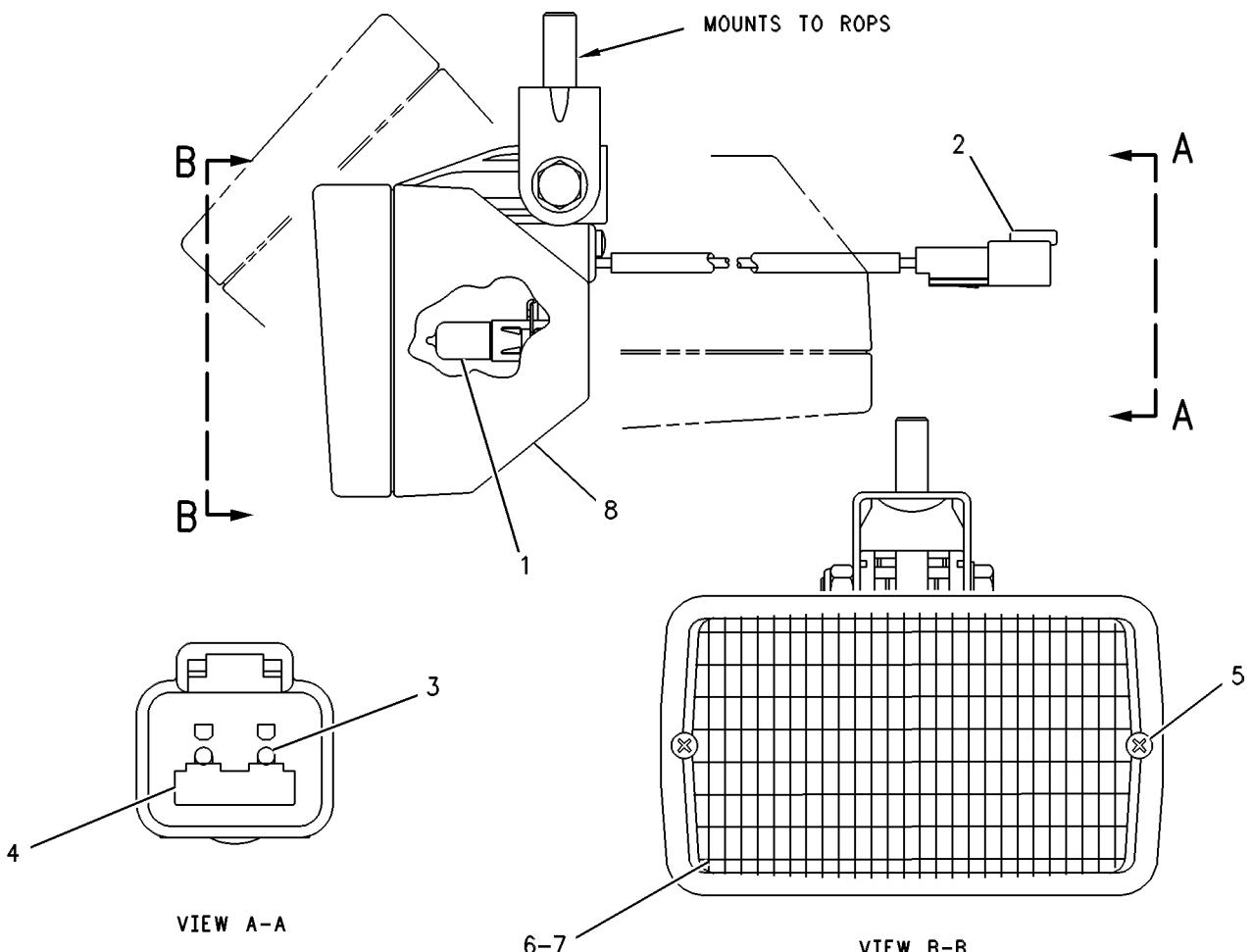
24 VOLT. SUSPENDED

PART OF 109-1543 LIGHTING GP-FLOOD

SMCS-1434

i00682709

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
1	1		9X-3463	1	LAMP							
2	1		102-8802	1	KIT-RECEPTACLE							
3	1		8T-8729	2	PIN-CONNECTOR							
4	1		3E-3365	1	WEDGE							
5	1		144-5282	2	SCREW							
6	1		144-5283	1	SEAL							
7	1		144-5284	1	LENS AS							
8	1		144-5744	1	BODY AS							



GRAPHIC #1

g00289186

# ELECTRICAL AND STARTING SYSTEM

**135-5549 LAMP GP-FLOOD**

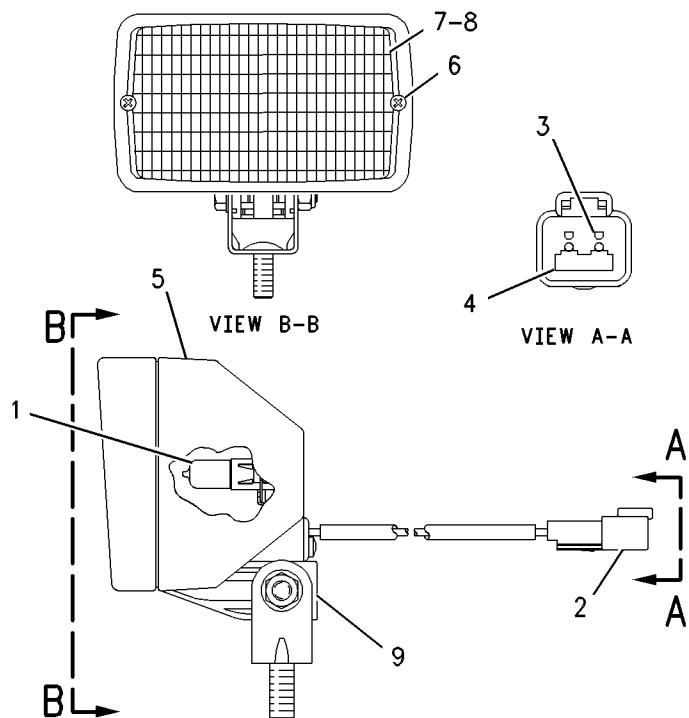
S/N: 9EM432-UP

PART OF 109-1543 LIGHTING GP-FLOOD

SMCS-1434

i01110336

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		9X-3463	1	LAMP (24 VOLTS) (65 WATTS)						
2	1		102-8802	1	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE AS & WEDGE)						
3	1		8T-8729	2	PIN-CONNECTOR						
4	1		3E-3365	1	WEDGE						
5	1		144-5744	1	BODY AS						
6	1		144-5282	2	SCREW						
7	1		144-5283	1	SEAL						
8	1		144-5284	1	LENS AS						
9	1		164-7556	1	CLIP						



GRAPHIC #1

g00533250

# ELECTRICAL AND STARTING SYSTEM

## 147-0319 LAMP GP-FLOOD

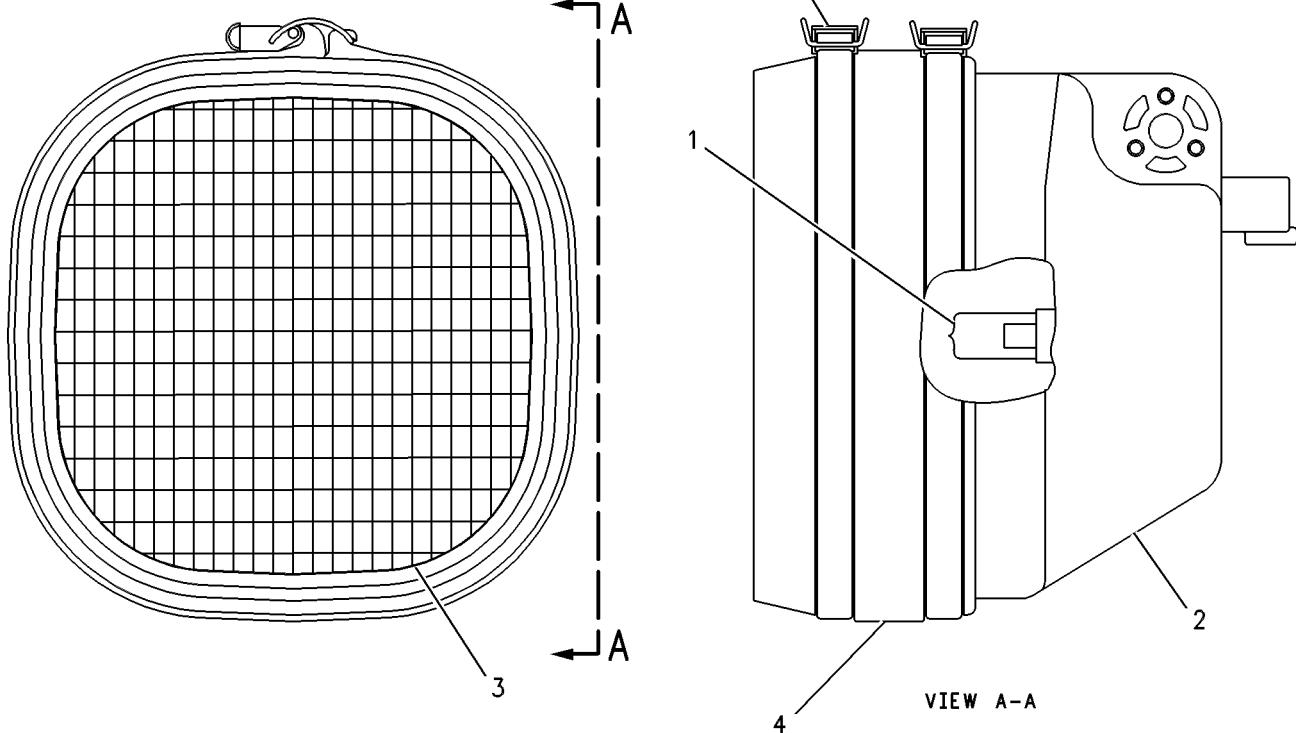
S/N: BHE1-UP; 9EM744-UP; 3MP1-UP; 4ZP1-99999; BHR1-UP

PART OF 116-6790 LIGHTING AR, 152-8427 LIGHTING GP, 109-1543, 125-2001 LIGHTING  
GP-FLOOD  
ALSO AN ATTACHMENT

SMCS-1434

i01434582

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		9X-3463	1	LAMP (24 VOLT) (65 WATT)						
2	1		158-0250	1	BODY AS-LAMP						
3	1		158-0248	1	LENS AS-FLOODLAMP						
4	1		158-0252	1	BEZEL						
5	1		188-8849	2	CLAMP						



GRAPHIC #1

g00458549

# ELECTRICAL AND STARTING SYSTEM

## 153-2073 LAMP GP-FLOOD

S/N: 9EM1-UP

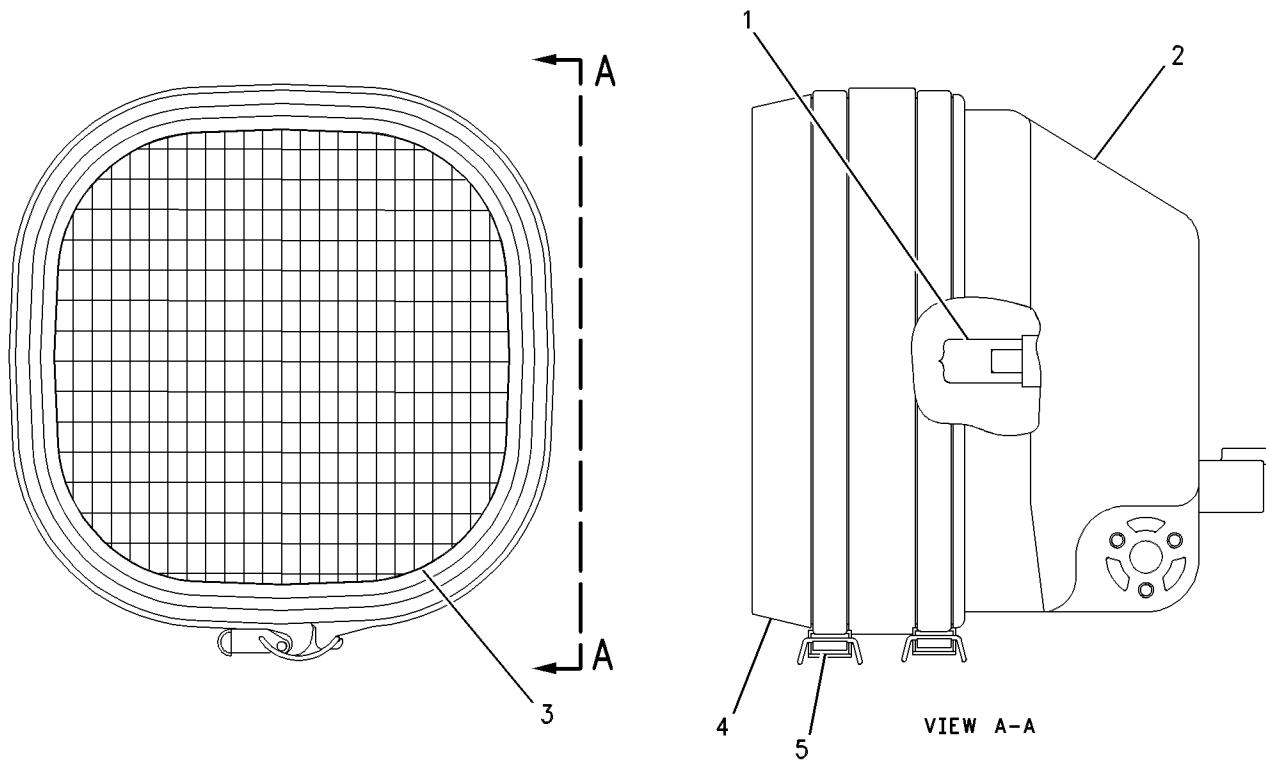
24 VOLT. VERTICAL

PART OF 126-4186, 126-4197 LIGHTING AR, 6Y-4581 LIGHTING GP-RIPPER  
AN ATTACHMENT

SMCS-1434

i01447088

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		9X-3463	1	LAMP (24 VOLT) (65 WATT) (FLOOD)						
2	1		158-0250	1	BODY AS-LAMP						
3	1		158-0248	1	LENS AS-FLOODLAMP						
4	1		158-0252	1	BEZEL						
5	1		188-8849	2	CLAMP						



GRAPHIC #1

g00449633

# ELECTRICAL AND STARTING SYSTEM

## 1Z-0897 LIGHTING AR

S/N: 9EM1-UP

4 LAMP

FOR USE WITH BULLDOZER LIFT CYLINDERS, WASTE DISPOSAL AR-CAB OR OROPS  
AN ATTACHMENT

SMCS-1429

i01223518

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6 (PRODUCT LEVEL)		
Y	1	1	152-8427	2	LIGHTING GP							386
	2	1	6S-4039	2	GROMMET							
	3	1	153-0984	2	HARNESS AS							
	4	1	8T-4896	8	WASHER-HARD (2.5MM THK)							
	5	1	6V-8801	20	NUT (3/8-16 THD)							
	6	1	5P-1075	32	WASHER-HARD (3MM THK)							
	7	1	9X-6772	6	STRAP-CABLE							
	8	1	115-1027	2	BRACKET							
	9	1	4D-7794	6	CLIP (10.0MM ID)							
	10	1	3T-3048	2	CLIP AS (10.2MM ID)							
	11	1	6K-4934	4	CLIP							
		1	6K-4935	4	BRACKET							
	12	1	5P-8522	2	GROMMET							
	13	1	4P-7581	2	CLIP (10.5MM ID)							
	14	1	5S-7379	2	BOLT (3/8-16X.875IN)							
	15	1	4L-6454	18	BOLT (3/8-16X1 IN)							
FJ	1		8M-8948	1	FUSE (15 AMP)							

F-NOT SHOWN

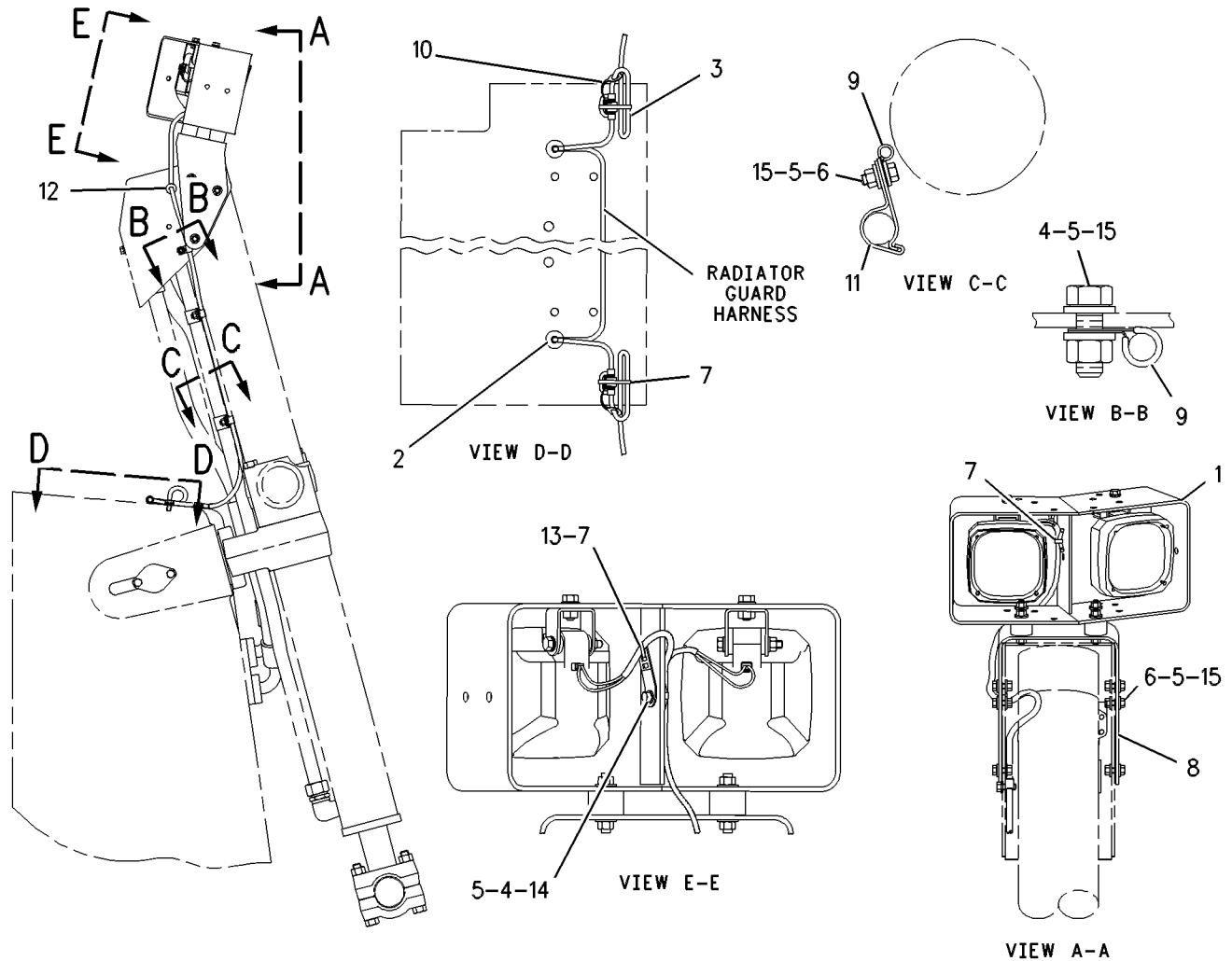
J-FUSE LOCATED IN FRONT LIGHT CIRCUIT

Y-SEPARATE ILLUSTRATION

# ELECTRICAL AND STARTING SYSTEM

1Z-0897 LIGHTING AR (contd.)

i01223518



GRAPHIC #1

g00470981

# ELECTRICAL AND STARTING SYSTEM

## 116-6790 LIGHTING AR

S/N: 9EM1-UP

6 LAMP

PART OF 116-1301, 129-1275 WASTE HANDLING AR  
FOR USE WITH WASTE DISPOSAL AR-CAB  
AN ATTACHMENT

SMCS-1429

i01223787

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		130-3232	1	PLATE-RH							
2	1		130-3233	1	PLATE-LH							
3	1		8T-9399	2	BOLT (3/4-10X2.25IN)							
4	1		3T-3048	1	CLIP AS (10.2MM ID)							
5	1		5P-8522	2	GROMMET							
6	1		9W-4361	8	MOUNT							
B	7	1	9X-6772	18	STRAP-CABLE (1.97IN DIA)							
	8	1	129-8331	2	PLATE AS							
		1	7T-1099	4	LINK							
CY	9	1	147-0319	6	LAMP GP-FLOOD (24 VOLT) (SUSPENDED)							371
	10	1	111-8314	6	BRACKET AS							
	11	1	114-2368	2	GUARD AS							
					(EACH INCLUDES)							
		1	7T-1099	1	LINK							
	12	1	114-9363	2	GUARD AS							
					(EACH INCLUDES)							
		1	7T-1099	1	LINK							
	13	1	115-1024	1	BRACKET AS-RH							
		1	1F-0750	2	NUT-WELD (3/8-16 THD)							
	14	1	115-1025	1	BRACKET AS-LH							
		1	1F-0750	2	NUT-WELD (3/8-16 THD)							
	15	1	5P-1075	24	WASHER-HARD (3MM THK)							
	16	1	7X-0582	4	WASHER-HARD (6MM THK)							
	17	1	8T-4224	12	WASHER-HARD (8.8X16X2MM THK)							
	18	1	8T-4896	10	WASHER-HARD (2.5MM THK)							
	19	1	8T-4994	2	WASHER (5MM THK)							
	20	1	153-0977	1	HARNESS AS							
	21	1	5M-3062	10	BOLT (3/8-16X.75IN)							
	22	1	5P-2955	6	BOLT (5/16-18X2.50IN)							
	23	1	5S-7379	8	BOLT (3/8-16X.875IN)							
	24	1	6V-8189	6	NUT (5/16-18 THD)							
	25	1	6V-8801	16	NUT (3/8-16 THD)							
	26	1	7X-0365	4	BOLT (3/4-10X1.50IN)							
B	27	1	7X-0366	4	BOLT (3/4-10X2IN)							
	28	1	134-3733	2	PLATE							
	29	1	5C-6565	4	BOLT (1/2-13X1.25IN)							
		1	5P-1076	4	WASHER-HARD (4MM THK)							
	30	1	8M-0456	1	FUSE (20 AMP)							
F	1	3T-1730	1		SWITCH AS-TOGGLE (LIGHTS)							
					ON DASH INSIDE OPERATORS COMPARTMENT							
	1	6V-8374	4		SCREW-MACHINE (6-32X.25IN)							
	1	3L-8187	4		LOCKWASHER (NO.6-INT)							
	1	6T-3631	2		NUT-HEX (15/32-32 THD)							
	1	6T-3632	1		LOCKWASHER (12MM ID)							
	1	6T-3633	1		LOCKRING (12.3MM ID)							

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

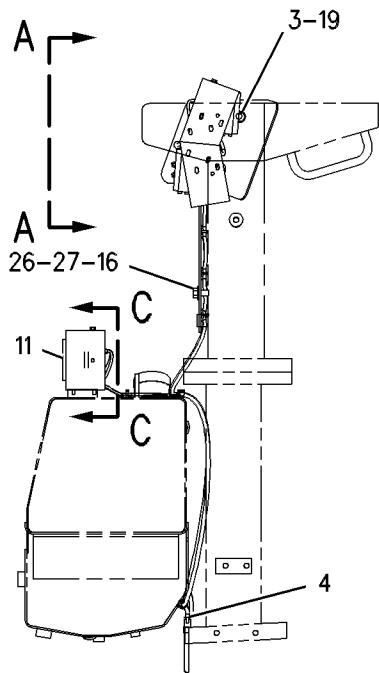
F-NOT SHOWN

Y-SEPARATE ILLUSTRATION

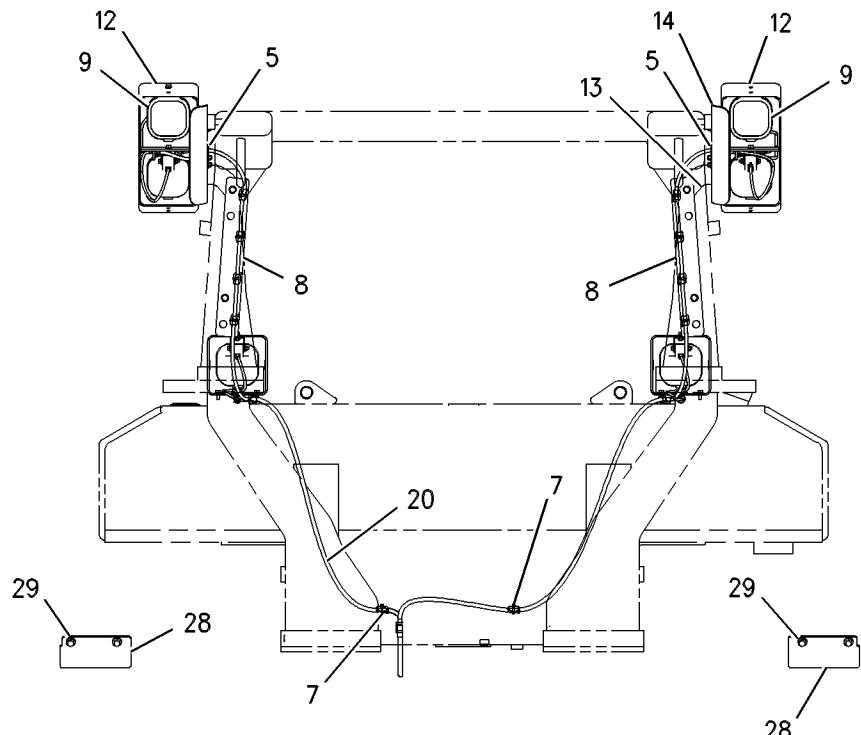
# ELECTRICAL AND STARTING SYSTEM

116-6790 LIGHTING AR (contd.)

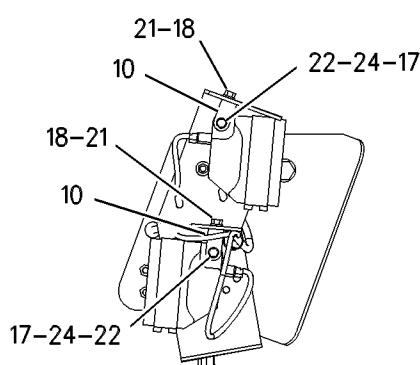
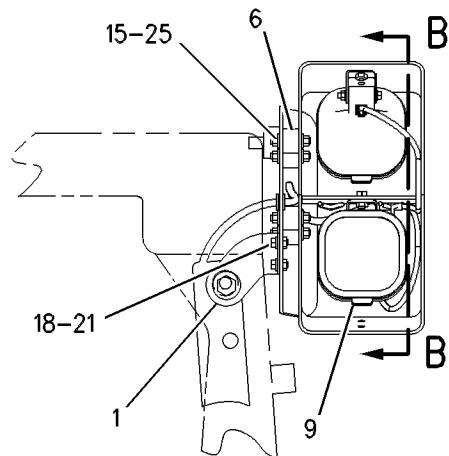
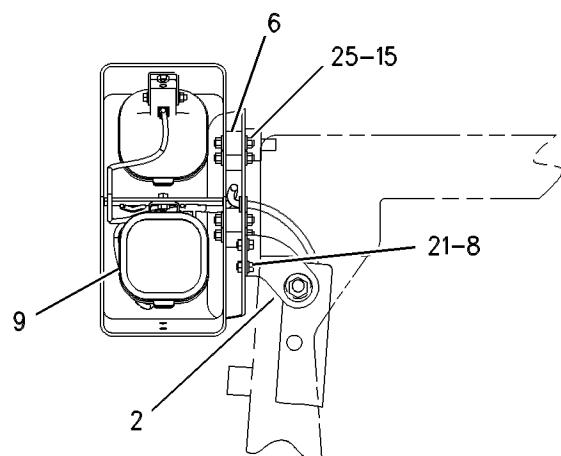
i01223787



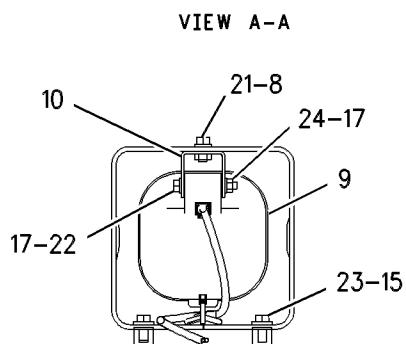
RIGHT SIDE VIEW



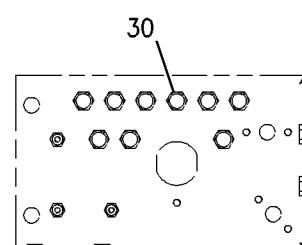
FRONT VIEW



SECTION B-B



VIEW C-C



FUSE PANEL

GRAPHIC #1

g00658008

# ELECTRICAL AND STARTING SYSTEM

## 126-2658 LIGHTING AR-2 LAMP

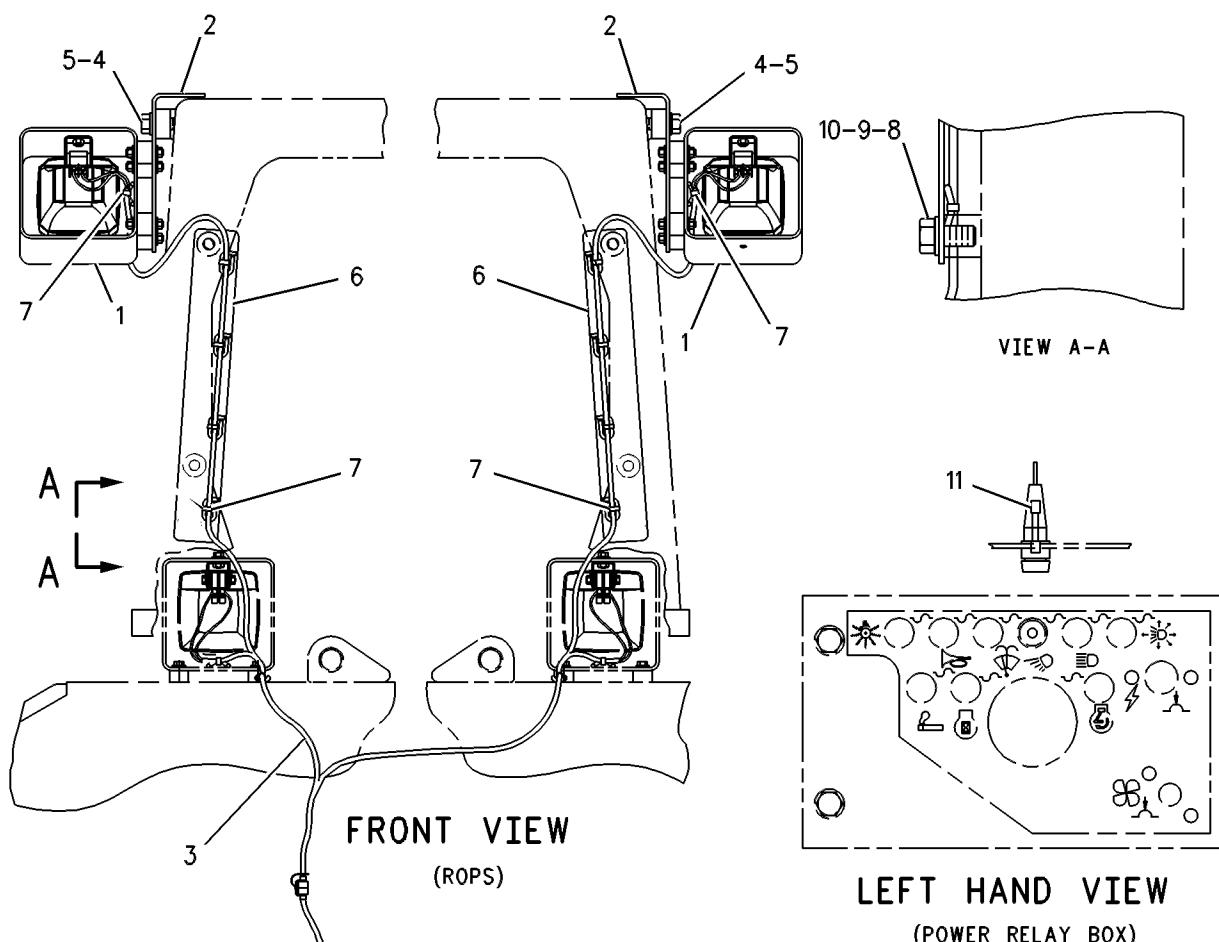
S/N: 9EM1-UP  
FOR USE WITH CAB  
AN ATTACHMENT

SMCS-1429

i01258276

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
Y	1	1	125-2001	2	LIGHTING GP-FLOOD	394
	2	1	115-1038	2	BRACKET AS	
	3	1	153-0977	1	HARNESS AS	
	4	1	8T-9399	2	BOLT (3/4-10X2.25IN)	
	5	1	8T-4994	2	WASHER (5MM THK)	
	6	1	129-8331	2	PLATE AS	
	7	1	9X-6772	12	STRAP-CABLE (1.97IN DIA)	
	8	1	7X-0365	4	BOLT (3/4-10X1.50IN)	
	9	1	7X-0582	4	WASHER-HARD (6MM THK)	
	10	1	7X-0366	4	BOLT (3/4-10X2IN)	
	11	1	8M-0456	1	FUSE (20 AMP)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00467836

# ELECTRICAL AND STARTING SYSTEM

## 126-2727 LIGHTING AR

S/N: 9EM1-UP

AN ATTACHMENT

SMCS-1429

i01241695

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		<b>115-1024</b>	1	BRACKET AS-RH	
			<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)	
2	1		<b>8T-4896</b>	4	WASHER-HARD (2.5MM THK)	
3	1		<b>5C-6565</b>	4	BOLT (1/2-13X1.25IN)	
			<b>5P-1076</b>	4	WASHER-HARD (4MM THK)	
Y	4	1	<b>125-2001</b>	2	LIGHTING GP-FLOOD	394
	5	1	<b>8T-4994</b>	2	WASHER (5MM THK)	
6	1		<b>115-1025</b>	1	BRACKET AS-LH	
			<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)	
7	1		<b>134-3733</b>	2	PLATE	
B	8	1	<b>7X-0366</b>	4	BOLT (3/4-10X2IN)	
9	1		<b>7K-1181</b>	14	STRAP-CABLE (4IN DIA)	
10	1		<b>153-0977</b>	1	HARNESS AS	
11	1		<b>129-8331</b>	2	PLATE AS	
					(EACH INCLUDES)	
	1		<b>7T-1099</b>	4	LINK	
12	1		<b>7X-0365</b>	4	BOLT (3/4-10X1.50IN)	
13	1		<b>7X-0582</b>	4	WASHER-HARD (6MM THK)	
14	1		<b>8T-9399</b>	2	BOLT (3/4-10X2.25IN)	
15	1		<b>130-3233</b>	1	PLATE-LH	
16	1		<b>5M-3062</b>	4	BOLT (3/8-16X.75IN)	
17	1		<b>130-3232</b>	1	PLATE-RH	
18	1		<b>8P-8540</b>	2	GROMMET (9.52MM ID)	
19	1		<b>3T-3048</b>	1	CLIP AS (10.2MM ID)	

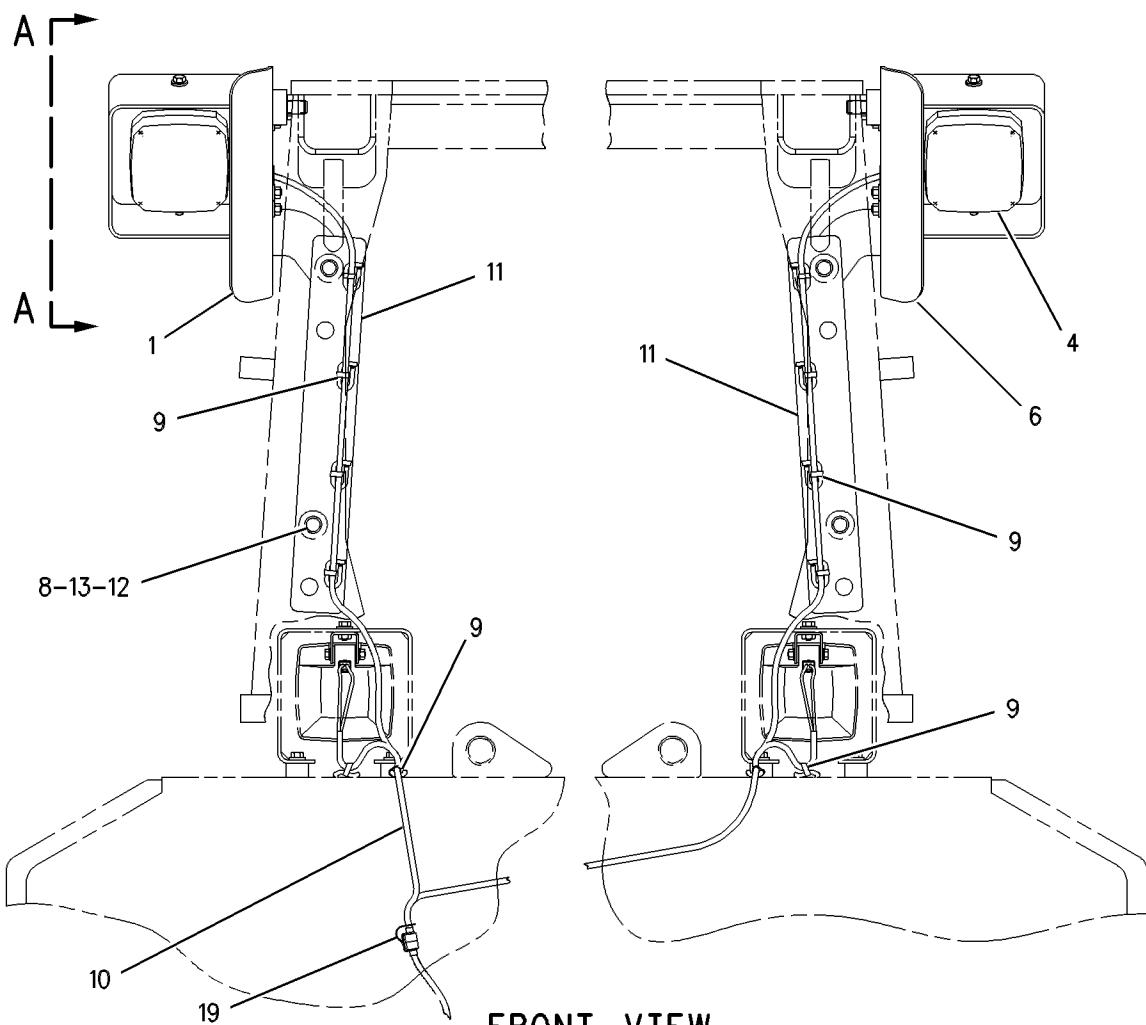
B-USE AS REQUIRED

Y-SEPARATE ILLUSTRATION

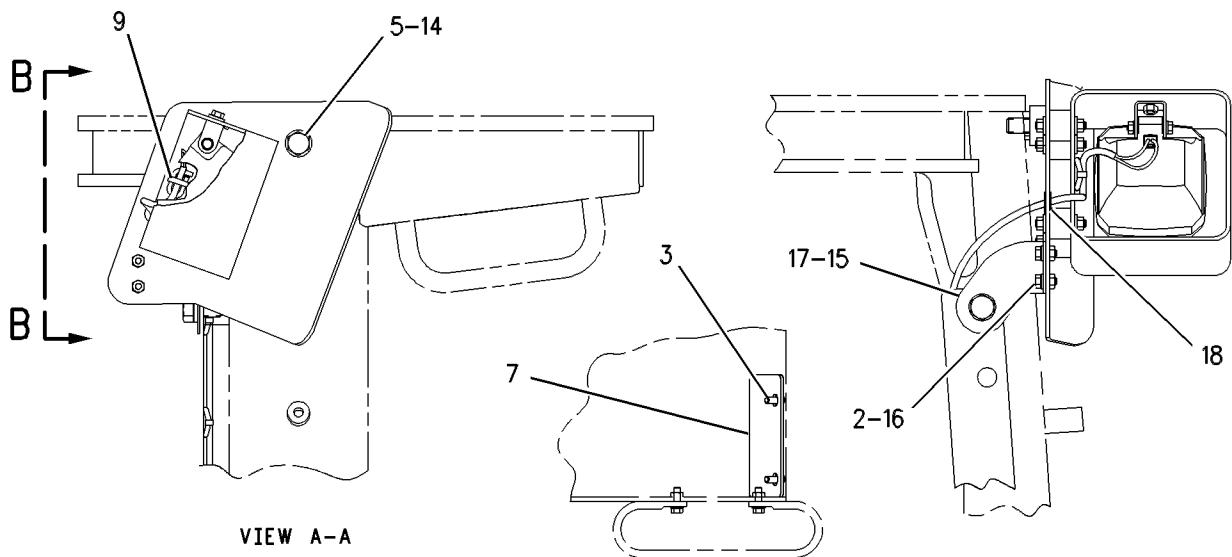
# ELECTRICAL AND STARTING SYSTEM

126-2727 LIGHTING AR (contd.)

i01241695



FRONT VIEW



TOP VIEW OF FRONT  
OF RIGHT HAND FENDER

GRAPHIC #1

g00465185

# ELECTRICAL AND STARTING SYSTEM

## 126-4186 LIGHTING AR

S/N: 9EM1-UP

AN ATTACHMENT

SMCS-1429

i01447069

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
					1	2	3	4	5	6	
	1	1	<b>4D-1212</b>	2	GROMMET						
Y	2	1	<b>150-1958</b>	1	SWEET GP						624
	3	1	<b>129-8331</b>	2	PLATE AS (EACH INCLUDES)						
			<b>7T-1099</b>	4	LINK						
	4	1	<b>153-1064</b>	1	HARNESS AS						
			<b>155-2270</b>	4	KIT-CONNECTING PLUG (2 PIN) (INCLUDES PLUG AS & WEDGE)						
	5	1	<b>134-3733</b>	2	PLATE						
	6	1	<b>5C-6565</b>	4	BOLT (1/2-13X1.25 IN)						
	7	1	<b>5P-1076</b>	4	WASHER-HARD (13.5X30X4MM THK)						
	8	1	<b>9X-6772</b>	26	STRAP-CABLE						
	9	1	<b>7X-0582</b>	4	WASHER-HARD (20X44.5X6MM THK)						
	10	1	<b>7X-0365</b>	4	BOLT (3/4-10X1.5 IN)						
B	11	1	<b>7X-0366</b>	4	BOLT (3/4-10X2 IN)						
Y	12	1	<b>153-2073</b>	2	LAMP GP-FLOOD (24 VOLT) (VERTICAL)						372
	13	1	<b>8T-4896</b>	2	WASHER-HARD (10.2X18.5X2.5MM THK)						
	14	1	<b>5M-3062</b>	2	BOLT (3/8-16X0.75 IN)						
	15	1	<b>111-8314</b>	2	BRACKET AS						
	16	1	<b>5P-2955</b>	4	BOLT (5/16-18X2.50 IN)						
	17	1	<b>8T-4224</b>	4	WASHER-HARD (8.8X16X2MM THK)						
	18	1	<b>6V-8189</b>	2	NUT (5/16-18 THD)						

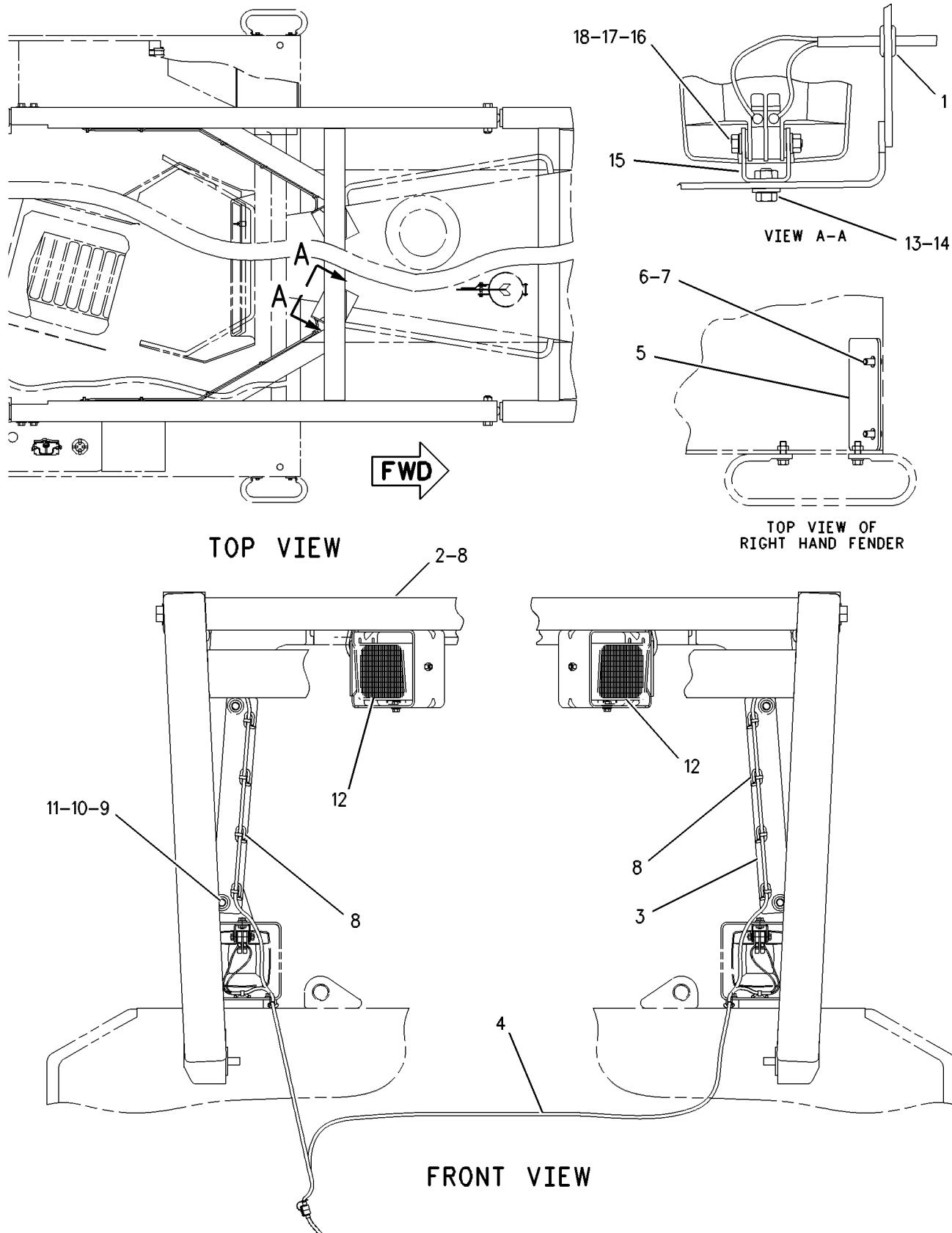
B-USE AS REQUIRED

Y-SEPARATE ILLUSTRATION

# ELECTRICAL AND STARTING SYSTEM

126-4186 LIGHTING AR (contd.)

i01447069



GRAPHIC #1

g00465816

# ELECTRICAL AND STARTING SYSTEM

## 126-4197 LIGHTING AR

S/N: 9EM1-UP

AN ATTACHMENT

SMCS-1429

i01447073

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	<b>4D-1212</b>	2	GROMMET	
Y	2	1	150-1958	1	SWEET GP	624
	3	1	<b>129-8331</b>	2	PLATE AS	
C	4	1	<b>153-1064</b>	1	HARNESS AS	
	1		<b>155-2270</b>	4	KIT-CONNECTING PLUG (2 PIN) (EACH INCLUDES PLUG AS, WEDGE & SEAL-INTERFACE)	
	5	1	<b>9X-6772</b>	26	STRAP-CABLE	
	6	1	<b>7X-0582</b>	4	WASHER-HARD (20X44.5X6MM THK)	
	7	1	<b>7X-0365</b>	4	BOLT (3/4-10X1.5 IN)	
B	8	1	<b>7X-0366</b>	4	BOLT (3/4-10X2 IN)	
CY	9	1	<b>153-2073</b>	2	LAMP GP-FLOOD (24 VOLT) (VERTICAL)	372
	10	1	<b>8T-4896</b>	2	WASHER-HARD (10.2X18.5X2.5MM THK)	
	11	1	<b>5M-3062</b>	2	BOLT (3/8-16X0.75 IN)	
	12	1	<b>111-8314</b>	2	BRACKET AS	
	13	1	<b>5P-2955</b>	2	BOLT (5/16-18X2.50 IN)	
	14	1	<b>8T-4224</b>	4	WASHER-HARD (8.8X16X2MM THK)	
	15	1	<b>6V-8189</b>	2	NUT (5/16-18 THD)	

B-USE AS REQUIRED

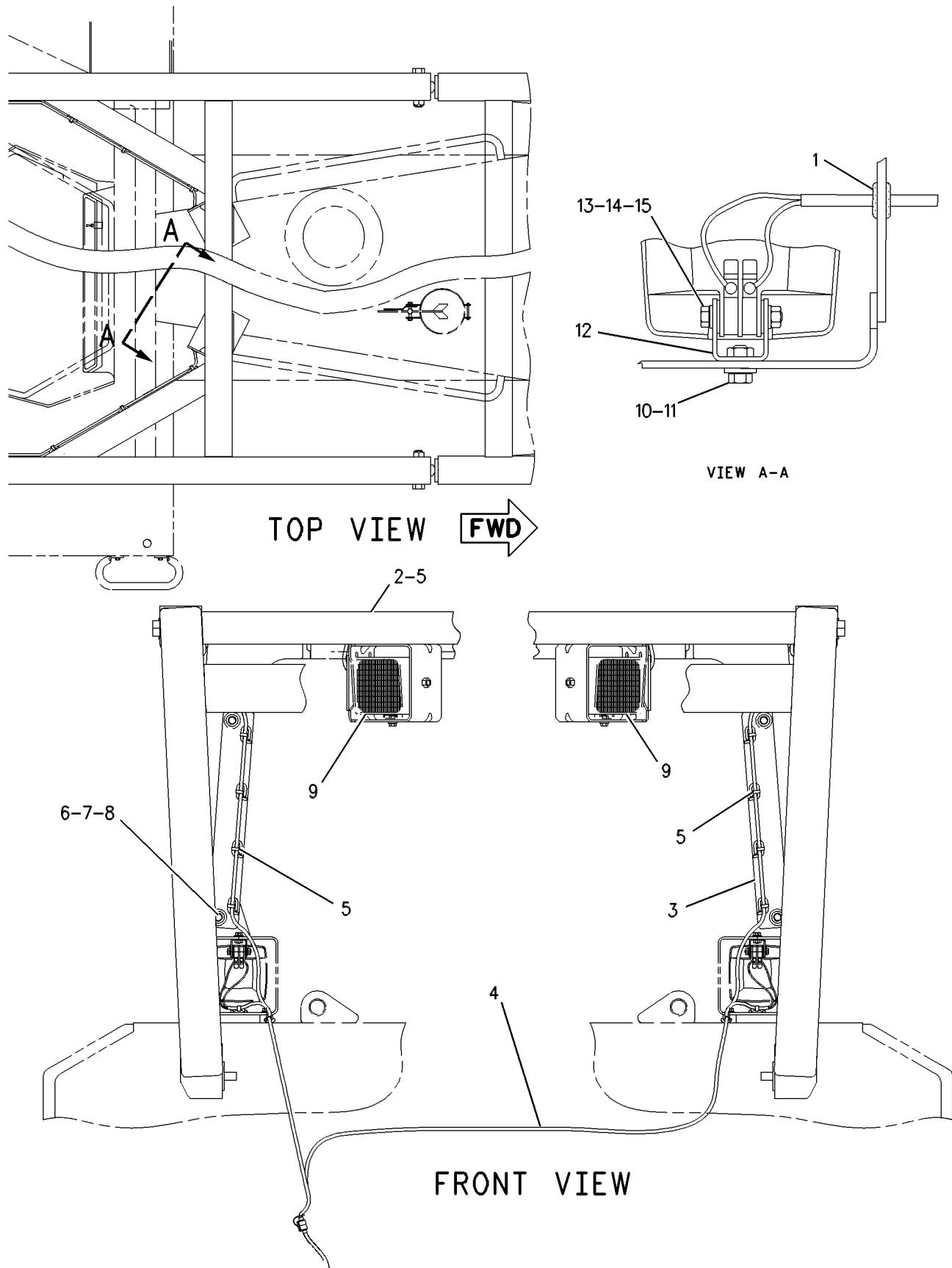
C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION

# ELECTRICAL AND STARTING SYSTEM

126-4197 LIGHTING AR (contd.)

i01447073



GRAPHIC #1

g00468485

# ELECTRICAL AND STARTING SYSTEM

## 152-8427 LIGHTING GP

S/N: 9EM1-UP

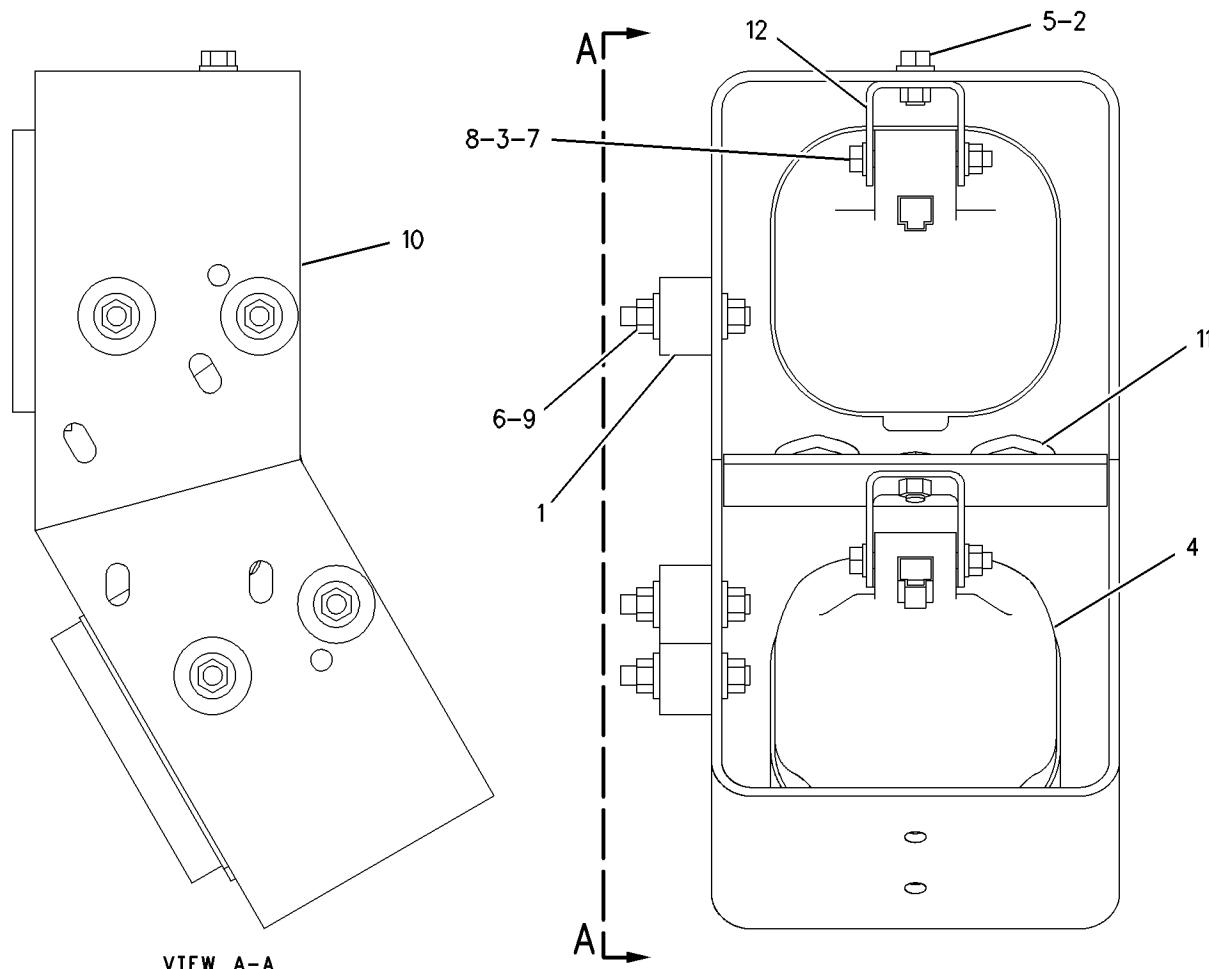
PART OF 1Z-0897 LIGHTING AR  
AN ATTACHMENT

SMCS-1429

i01223537

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		9W-4361	4	MOUNT	
2	1		8T-4896	2	WASHER-HARD (2.5MM THK)	
3	1		8T-4224	4	WASHER-HARD (8.8X16X2MM THK)	
Y	4	1	147-0319	2	LAMP GP-FLOOD (24 VOLT) (SUSPENDED)	371
5	1		5M-3062	2	BOLT (3/8-16X.75IN)	
6	1		5P-1075	8	WASHER-HARD (3MM THK)	
7	1		5P-2955	2	BOLT (5/16-18X2.50IN)	
8	1		6V-8189	2	NUT (5/16-18 THD)	
9	1		6V-8801	8	NUT (3/8-16 THD)	
10	1		114-9363	1	GUARD AS	
11	1		7T-1099	2	LINK	
12	1		111-8314	2	BRACKET AS	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00651682

# ELECTRICAL AND STARTING SYSTEM

## 109-1543 LIGHTING GP-FLOOD

S/N: 9EM1-431

SMCS-1429

i00569938

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		3T-1730	1	SWITCH AS (FRONT FLOOD)						
			1	6V-8374	4	SCREW-MACHINE (6-32X.25IN)					
			1	3L-8187	4	LOCKWASHER (3.7MM ID)					
			1	6T-3631	2	NUT-HEX (15/32-32 THD)					
			1	6T-3632	1	LOCKWASHER (12MM ID)					
			1	6T-3633	1	LOCKRING					
2	1		3T-3048	3	CLIP AS (10.2MM ID)						
3	1		3W-3896	2	HANDHOLD						
4	1		5P-1075	8	WASHER-HARD (3MM THK)						
			1	5S-7379	8	BOLT (3/8-16X.875IN)					
5	1		8C-5607	12	MOUNT						
M	6	1	9X-2480	6	BOLT (M6X1X45MM)						
			1	8C-5608	6	SPACER (25.4MM THK)					
			1	9X-6165	6	WASHER (2.5MM THK)					
			1	9X-8256	6	WASHER (2MM THK)					
M	1		6V-7743	6	LOCKNUT (M6X1.00 THD)						
7	1		8E-1631	1	HARNESS AS						
B	8	1	9X-6772	10	STRAP-CABLE						
Y	9	1	106-8964	2	LAMP GP-FLOOD						367
	10	1	111-8314	2	BRACKET AS						
					(EACH INCLUDES)						
			1	9F-2978	1	NUT-WELD (3/8-16 THD)					
Y	11	1	112-9378	2	LAMP GP-FLOOD						369
	12	1	114-2368	2	GUARD AS						
					(EACH INCLUDES)						
			1	7T-1099	1	LINK					
13	1		116-6774	2	HARNESS AS						
14	1		119-6675	1	PLATE AS-RH						
			1	1F-0748	2	NUT-WELD (1/2-13 THD)					
			1	7T-1099	1	LINK					
15	1		119-6681	1	PLATE AS-LH						
			1	1F-0748	2	NUT-WELD (1/2-13 THD)					
			1	7T-1099	1	LINK					
16	1		119-7303	2	PLATE						
17	1		119-8306	2	GUARD						
18	1		5C-6565	2	BOLT (1/2-13X1.25IN)						
			1	5P-1076	2	WASHER-HARD (4MM THK)					
M	19	1	6V-7744	2	LOCKNUT (M10X1.50 THD)						
			1	8T-4121	2	WASHER (2.5MM THK)					
20	1		8T-8919	4	BOLT (1/2-13X1.75IN)						
			1	8T-4223	4	WASHER-HARD (3MM THK)					
21	1		8T-4224	4	WASHER-HARD (2MM THK)						
22	1		5M-3062	2	BOLT (3/8-16X.750IN)						
			1	8T-4896	2	WASHER-HARD (2.5MM THK)					
23	1		5P-2955	3	BOLT (5/16-18X2.50IN)						
24	1		6V-8189	2	NUT (5/16-18 THD)						

B-USE AS REQUIRED

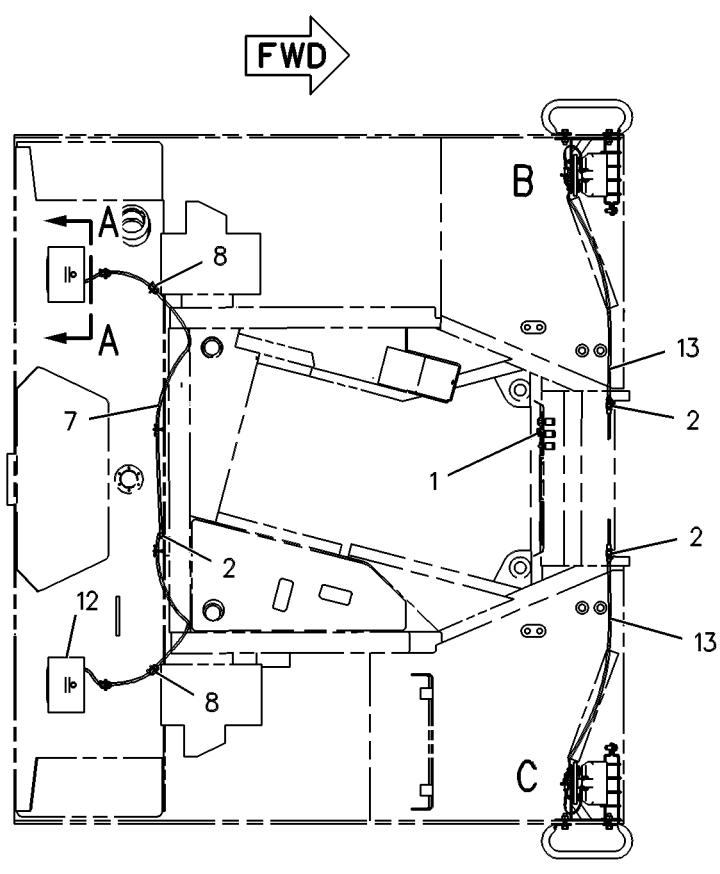
M-METRIC PART

Y-SEPARATE ILLUSTRATION

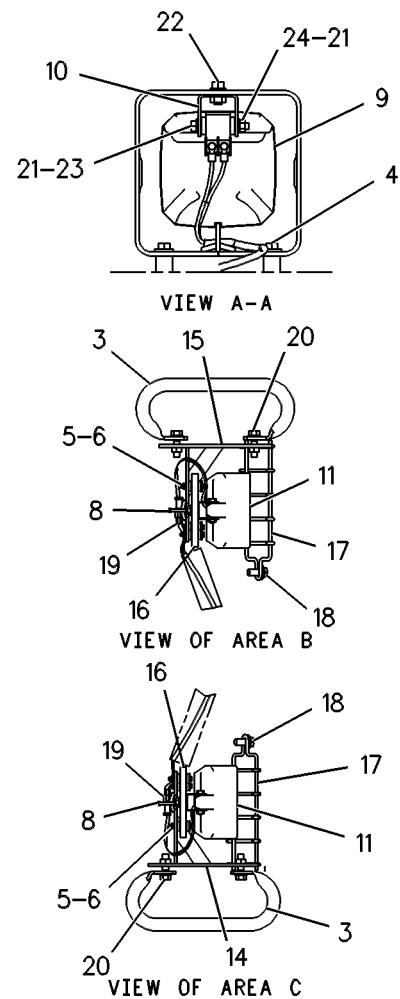
# ELECTRICAL AND STARTING SYSTEM

109-1543 LIGHTING GP - FLOOD (contd.)

i00569938



TOP VIEW



GRAPHIC #1

g00249160

# ELECTRICAL AND STARTING SYSTEM

## 109-1543 LIGHTING GP-FLOOD

S/N: 9EM432-743

SMCS-1429

i00682701

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6	
1	1		3T-1730	1	SWITCH AS (FRONT FLOOD)	
			6V-8374	4	SCREW-MACHINE (6-32X.25IN)	
	1		3L-8187	4	LOCKWASHER (#6-INT)	
	1		6T-3631	2	NUT-HEX (15/32-32 THD)	
	1		6T-3632	1	LOCKWASHER (12MM ID)	
	1		6T-3633	1	LOCKRING	
2	1		3T-3048	3	CLIP AS (10.2MM ID)	
3	1		5P-1075	10	WASHER-HARD (3MM THK)	
4	1		8C-5607	12	MOUNT	
5	1		8C-5608	6	SPACER (25.4MM THK)	
	1		9X-6165	6	WASHER (2.5MM THK)	
M	1		6V-7743	6	LOCKNUT (M6X1.00 THD)	
	1		9X-8256	6	WASHER (2MM THK)	
M	1		9X-2480	6	BOLT (M6X1X45MM)	
6	1		8E-1631	1	HARNESS AS	
C	7	1	8T-4896	6	WASHER-HARD (2.5MM THK)	
	8	1	8T-4224	4	WASHER-HARD (2MM THK)	
Y	9	1	106-8964	2	LAMP GP-FLOOD	367
10	1		111-8314	2	BRACKET AS	
	1		9F-2978	1	NUT-WELD (3/8-16 THD)	
11	1		114-2368	2	GUARD AS	
	1		7T-1099	1	LINK	
12	1		116-6774	2	HARNESS AS	
C	13	1	134-2804	1	BRACKET AS-RH	
	1		1F-0750	1	NUT-WELD (3/8-16 THD)	
	1		6V-2360	2	WASHER-HARD	
C	14	1	134-2805	1	BRACKET AS-LH	
	1		1F-0750	1	NUT-WELD (3/8-16 THD)	
	1		6V-2360	2	WASHER-HARD	
C	15	1	134-2967	2	GUARD	
C	16	1	134-4447	2	BRACKET AS	
	1		1F-0750	2	NUT-WELD (3/8-16 THD)	
C	17	1	134-4492	2	PLATE	
CY	18	1	135-5549	2	LAMP GP-FLOOD	370
C	19	1	4L-6454	6	BOLT (3/8-16X1.0IN)	
C	20	1	4P-8134	2	CLIP (10.5MM ID)	
C	21	1	5C-6565	4	BOLT (1/2-13X1.25IN)	
	22	1	5M-3062	2	BOLT (3/8-16X.750IN)	
C	23	1	5P-1076	4	WASHER-HARD (4MM THK)	
	24	1	5P-2955	2	BOLT (5/16-18X2.50IN)	
	25	1	5S-7379	8	BOLT (3/8-16X.875IN)	
	26	1	6V-8189	2	NUT (5/16-18 THD)	
M	27	1	6V-7744	2	LOCKNUT (M10X1.50 THD)	
	1		8T-4121	2	WASHER (2.5MM THK)	
B	28	1	9X-6772	10	STRAP-CABLE	

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

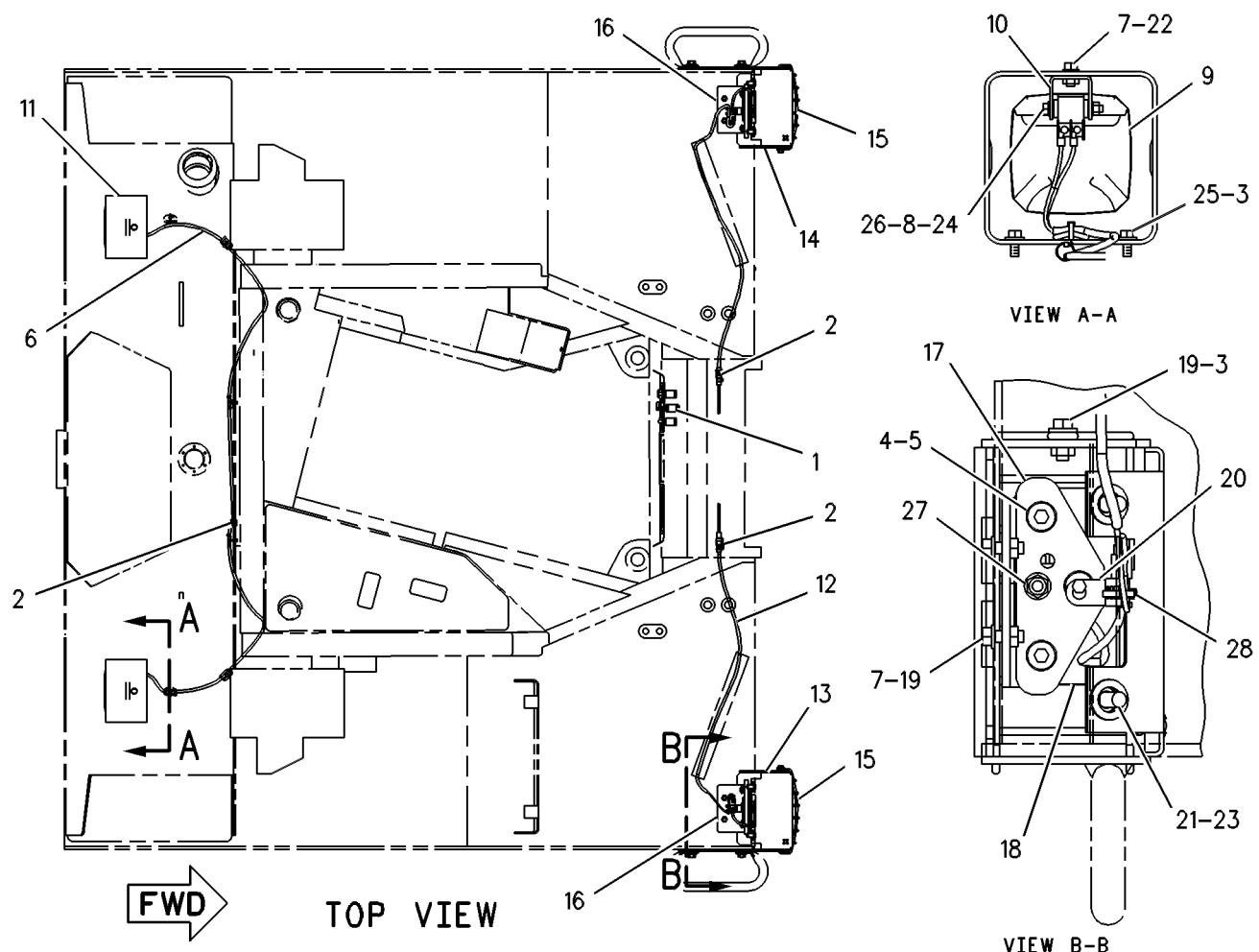
M-METRIC PART

Y-SEPARATE ILLUSTRATION

# ELECTRICAL AND STARTING SYSTEM

109-1543 LIGHTING GP - FLOOD (contd.)

i00682701



GRAPHIC #1

g00289829

# ELECTRICAL AND STARTING SYSTEM

## 109-1543 LIGHTING GP-FLOOD

S/N: 9EM744-UP

SMCS-1429

i01038164

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
1	1		3T-1730	1	SWITCH AS (FRONT FLOOD)							
			1	6V-8374	4	SCREW-MACHINE (6-32X.25IN)						
			1	3L-8187	4	LOCKWASHER (#6-INT)						
			1	6T-3631	2	NUT-HEX (15/32-32 THD)						
			1	6T-3632	1	LOCKWASHER (12MM ID)						
			1	6T-3633	1	LOCKRING						
2	1		3T-3048	3	CLIP AS (10.2MM ID)							
3	1		5P-1075	10	WASHER-HARD (3MM THK)							
4	1		8C-5607	12	MOUNT							
5	1		8C-5608	6	SPACER (25.4MM THK)							
			1	9X-6165	6	WASHER (2.5MM THK)						
M	1		6V-7743	6	LOCKNUT (M6X1.00 THD)							
	1		9X-8256	6	WASHER (2MM THK)							
M	1		9X-2480	6	BOLT (M6X1.0X45MM)							
C	6	1	153-0713	1	HARNESS AS							
	7	1	8T-4896	6	WASHER-HARD (2.5MM THK)							
	8	1	8T-4224	4	WASHER-HARD (2MM THK)							
CY	9	1	147-0319	2	LAMP GP-FLOOD							371
10	1		111-8314	2	BRACKET AS							
	1		1F-0750	1	NUT-WELD (3/8-16 THD)							
11	1		114-2368	2	GUARD AS							
	1		7T-1099	1	LINK							
12	1		116-6774	2	HARNESS AS							
13	1		134-2804	1	BRACKET AS-RH							
14	1		134-2805	1	BRACKET AS-LH							
					(EACH BRACKET AS INCLUDES)							
	1		1F-0750	1	NUT-WELD (3/8-16 THD)							
	1		6V-2360	2	WASHER-HARD							
15	1		134-2967	2	GUARD							
16	1		134-4447	2	BRACKET AS							
	1		1F-0750	2	NUT-WELD (3/8-16 THD)							
17	1		134-4492	2	PLATE							
Y	18	1	135-5549	2	LAMP GP-FLOOD							370
19	1		4L-6454	6	BOLT (3/8-16X1.0IN)							
20	1		4P-8134	2	CLIP							
21	1		5C-6565	4	BOLT (1/2-13X1.25IN)							
22	1		5M-3062	2	BOLT (3/8-16X.75IN)							
23	1		5P-1076	4	WASHER-HARD (4MM THK)							
24	1		5P-2955	2	BOLT (5/16-18X2.50IN)							
25	1		5S-7379	8	BOLT (3/8-16X.875IN)							
26	1		6V-8189	2	NUT (5/16-18 THD)							
M	27	1	6V-7744	2	LOCKNUT (M10X1.50 THD)							
	1		8T-4121	2	WASHER (2.5MM THK)							
B	28	1	9X-6772	10	STRAP-CABLE							

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

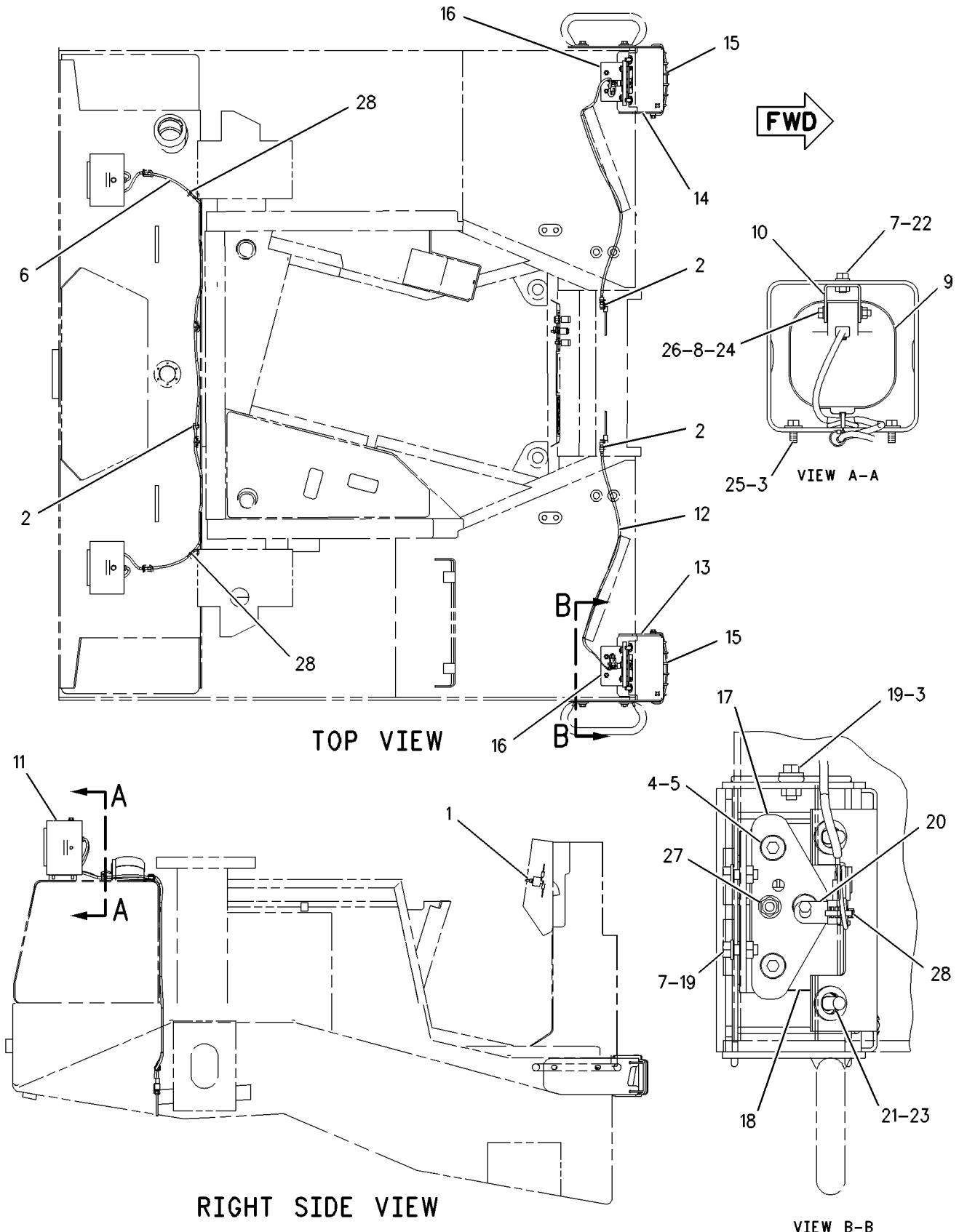
M-METRIC PART

Y-SEPARATE ILLUSTRATION

# ELECTRICAL AND STARTING SYSTEM

109-1543 LIGHTING GP - FLOOD (contd.)

i01038164



GRAPHIC #1

g00542615

# ELECTRICAL AND STARTING SYSTEM

## 125-2001 LIGHTING GP-FLOOD

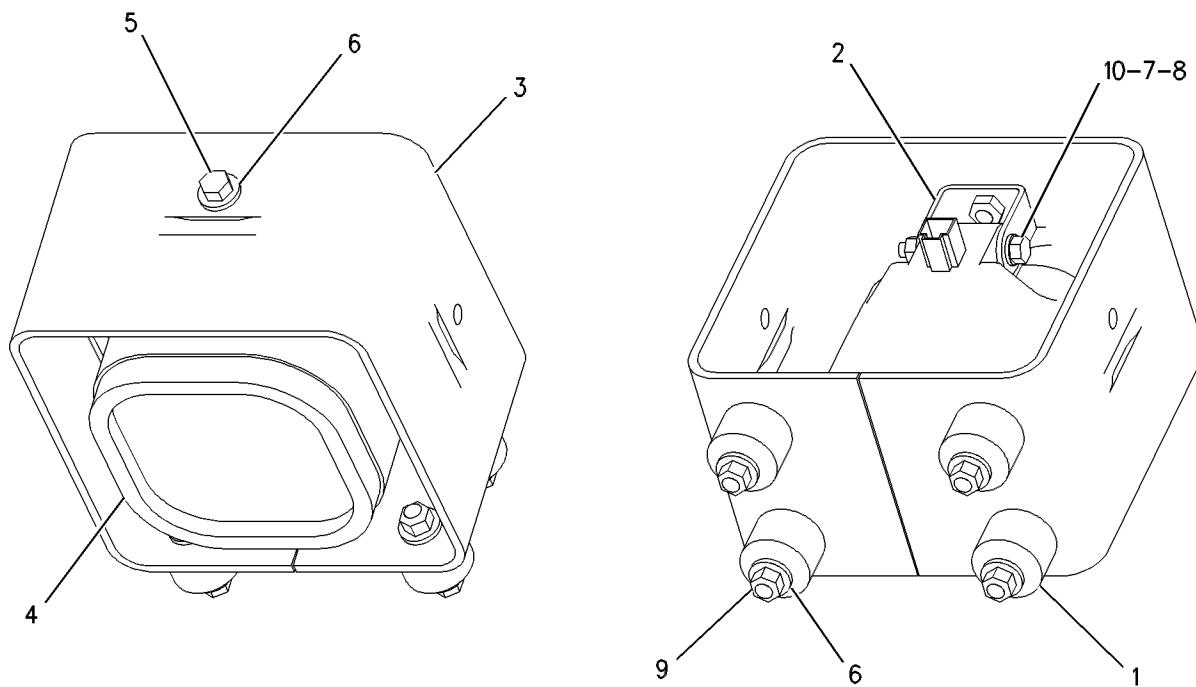
S/N: BHE1-UP; 9EM1-UP; 3MP1-UP; 4ZP1-99999; BHR1-UP  
 PART OF 126-2658, 126-2727 LIGHTING AR, 115-8392 LIGHTING GP-FRONT  
 AN ATTACHMENT

SMCS-1429

i01011450

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		9W-4361	4	MOUNT							
2	1		111-8314	1	BRACKET AS							
	1		1F-0750	1	NUT-WELD (3/8-16 THD)							
3	1		114-2368	1	GUARD AS							
	1		7T-1099	1	LINK							
Y	4	1	147-0319	1	LAMP GP-FLOOD							371
5	1		5M-3062	1	BOLT (3/8-16X.75IN)							
6	1		5P-1075	9	WASHER-HARD (3MM THK)							
7	1		5P-2955	1	BOLT (5/16-18X2.50IN)							
8	1		6V-8189	1	NUT (5/16-18 THD)							
9	1		6V-8801	8	NUT (3/8-16 THD)							
10	1		8T-4224	2	WASHER-HARD (2MM THK)							

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00546282

# ELECTRICAL AND STARTING SYSTEM

## 115-8392 LIGHTING GP - FRONT

S/N: 9EM1-UP; 3MP1-UP; 4ZP1-99999

PART OF 111-8283 BULLDOZER AR, 111-8281 BULLDOZER AR-SEMI-UNIVERSAL  
AN ATTACHMENT

SMCS-1429

i01068691

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		1Q-3237	2	HARNESS AS						
2	1		3T-3048	2	CLIP AS (10.2MM ID)						
3	1		5P-1075	24	WASHER-HARD (3MM THK)						
4	1		5P-8522	2	GROMMET						
5	1		6K-4934	4	CLIP						
6	1		6K-4935	4	BRACKET						
7	1		6S-4039	2	GROMMET						
8	1		9W-4361	8	MOUNT						
B	9	1	9X-6772	4	STRAP-CABLE						
Y	10	1	106-8964	2	LAMP GP-FLOOD						367
11	1		111-8314	2	BRACKET AS						
12	1		114-2368	2	GUARD AS						
13	1		6V-8801	20	NUT (3/8-16 THD)						
14	1		8T-4224	4	WASHER-HARD (2MM THK)						
15	1		8T-4896	2	WASHER-HARD (2.5MM THK)						
16	1		4D-7794	4	CLIP (10.0MM ID)						
17	1		6V-8189	2	NUT (5/16-18 THD)						
18	1		4L-6454	4	BOLT (3/8-16X1.0IN)						
19	1		5M-3062	2	BOLT (3/8-16X.75IN)						
20	1		5P-2955	2	BOLT (5/16-18X2.50IN)						

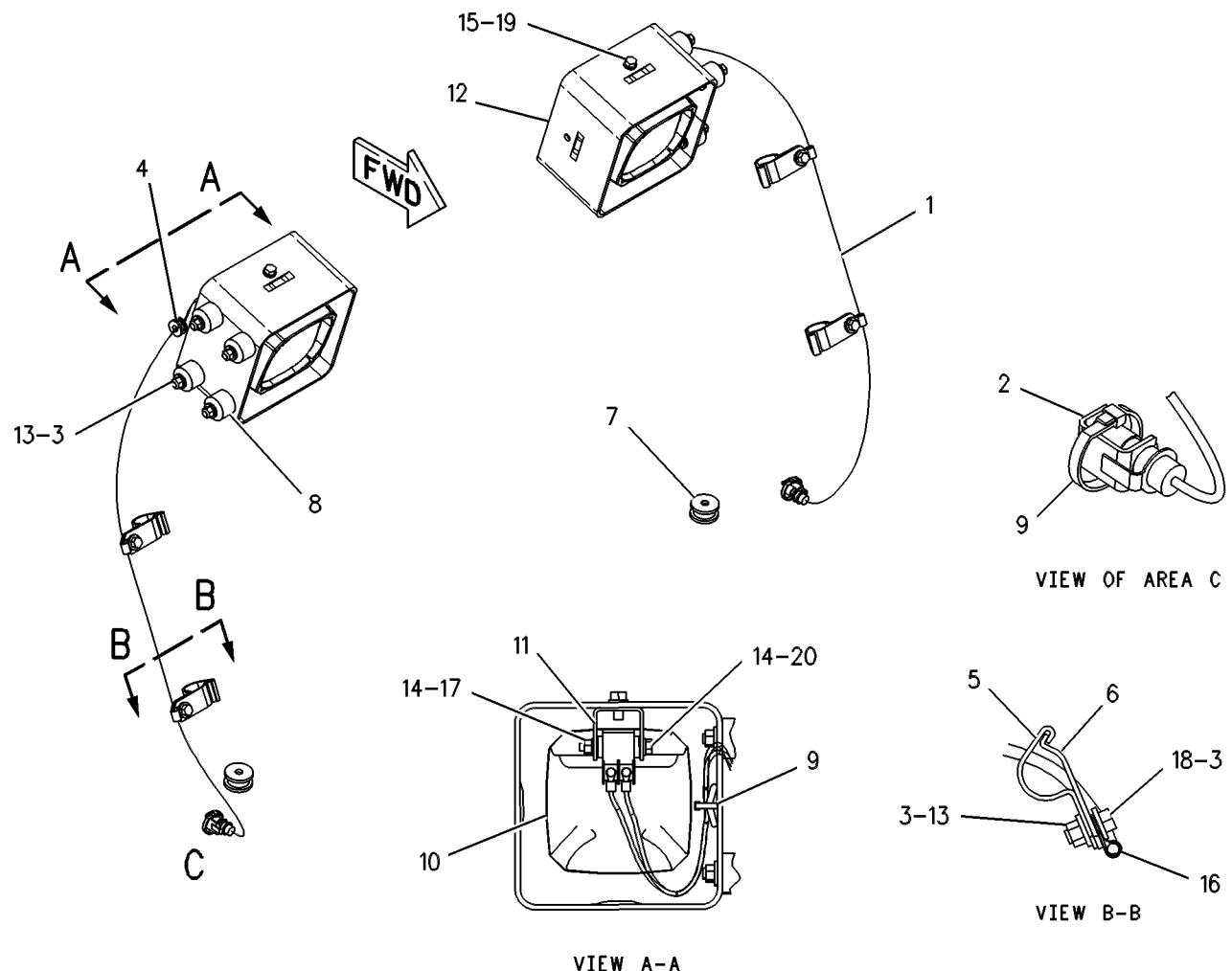
B-USE AS REQUIRED

Y-SEPARATE ILLUSTRATION

# ELECTRICAL AND STARTING SYSTEM

115-8392 LIGHTING GP - FRONT (contd.)

i01068691



GRAPHIC #1

g00273266

# ELECTRICAL AND STARTING SYSTEM

## 115-8392 LIGHTING GP-FRONT

S/N: BHE1-UP; 3MP1-UP; 4ZP1-99999; BHR1-UP

PART OF 111-8283, 175-3852 BULLDOZER AR, 111-8281 BULLDOZER AR-SEMI-UNIVERSAL,  
111-8279 BULLDOZER AR-UNIVERSAL  
AN ATTACHMENT

SMCS-1429

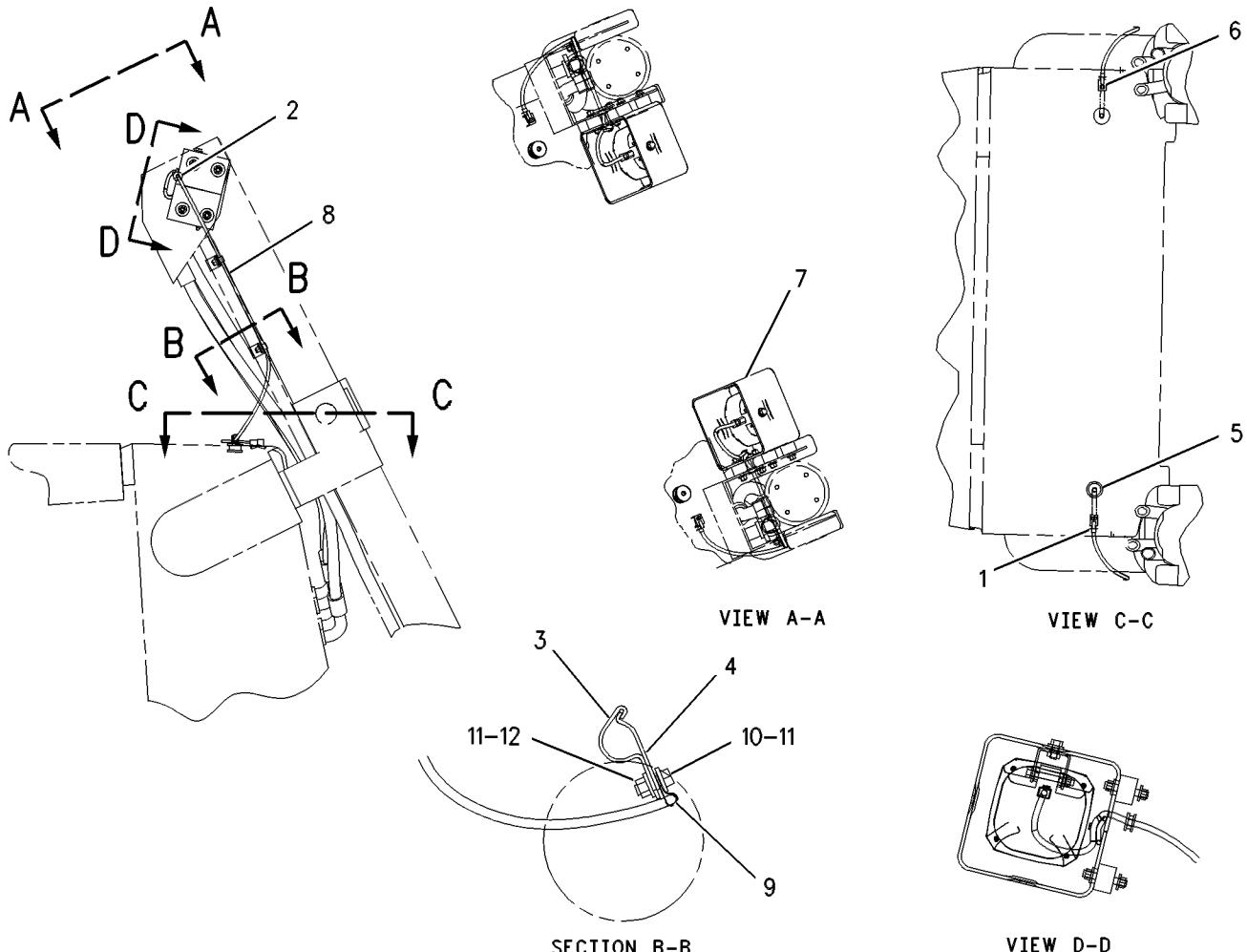
i01011357

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		3T-3048	2	CLIP AS (10.2MM ID)						
2	1		5P-8522	2	GROMMET						
3	1		6K-4935	4	BRACKET						
4	1		6K-4935	4	BRACKET						
5	1		6S-4039	2	GROMMET						
B	6	1	9X-6772	4	STRAP-CABLE						
CY	7	1	125-2001	1	LIGHTING GP-FLOOD						394
C	8	1	153-0779	2	HARNESS AS						
	9	1	4D-7794	4	CLIP (10.0MM ID)						
	10	1	4L-6454	4	BOLT (3/8-16X1.0IN)						
C	11	1	5P-1075	8	WASHER-HARD (3MM THK)						
C	12	1	6V-8801	4	NUT (3/8-16 THD)						

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00540646

# ELECTRICAL AND STARTING SYSTEM

## 6Y-4581 LIGHTING GP-RIPPER

S/N: 9EM1-UP

RIPPER

AN ATTACHMENT

TYPE 1

SMCS-1429

i01138767

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6 (PRODUCT LEVEL)		
CY	1	1	107-6689	1	LAMP GP-FLOOD							368
C	2	1	111-8314	1	BRACKET AS							
		1	1F-0750	1	NUT-WELD (3/8-16 THD)							
3	1		4L-6454	1	BOLT (3/8-16X1.0IN)							
		1	5P-1075	1	WASHER-HARD (3MM THK)							
C	4	1	5P-2955	1	BOLT (5/16-18X2.50IN)							
		1	8T-4224	2	WASHER-HARD (2MM THK)							
		1	6V-8189	1	NUT (5/16-18 THD)							
5	1		8E-5588	1	BRACKET AS							
		1	7T-1099	3	LINK							
6	1		8T-8919	2	BOLT (1/2-13X1.75IN)							
7	1		8E-3534	1	BRACKET							
C	8	1	9X-6772	3	STRAP-CABLE (4.00IN DIA)							
9	1		8E-3560	1	HARNESS AS							
10	1		3T-3048	1	CLIP AS (10.2MM ID)							
11	1		5D-7635	1	GROMMET (22.22MM OD)							

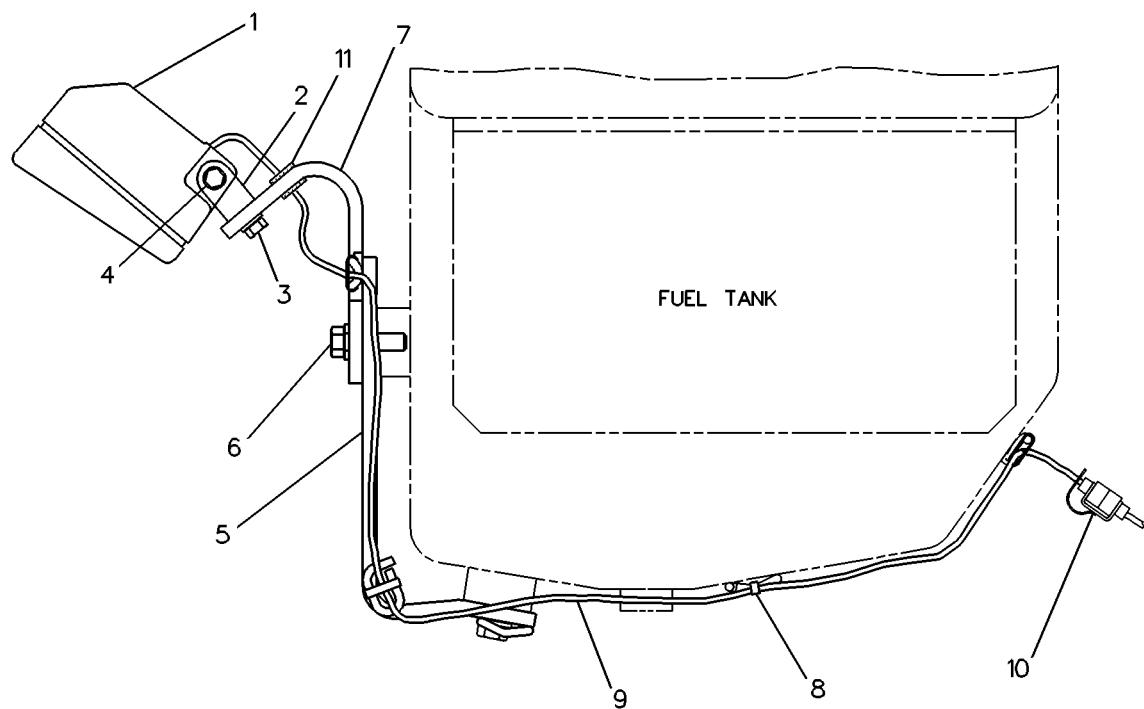
C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION

# ELECTRICAL AND STARTING SYSTEM

6Y-4581 LIGHTING GP-RIPPER (*contd.*)

i01138767



GRAPHIC #1

g00227919

# ELECTRICAL AND STARTING SYSTEM

## 6Y-4581 LIGHTING GP-RIPPER

S/N: 9EM1-UP

RIPPER

AN ATTACHMENT

TYPE 2

SMCS-1429

i01027178

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6 (PRODUCT LEVEL)		
CY	1	1	153-2073	1	LAMP GP-FLOOD							372
	2	1	111-8314	1	BRACKET AS							
		1	1F-0750	1	NUT-WELD (3/8-16 THD)							
	3	1	4L-6454	1	BOLT (3/8-16X1.0IN)							
	4	1	5P-1075	1	WASHER-HARD (3MM THK)							
	5	1	8E-5588	1	BRACKET AS							
	6	1	8T-8919	2	BOLT (1/2-13X1.75IN)							
	7	1	8E-3534	1	BRACKET							
C	8	1	9X-6772	4	STRAP-CABLE							
C	9	1	153-0990	1	HARNESS AS							
	10	1	3T-3048	1	CLIP AS (10.2MM ID)							
	11	1	5P-2955	1	BOLT (5/16-18X2.50IN)							
	12	1	8T-4224	2	WASHER-HARD (2MM THK)							
	13	1	6V-8189	1	NUT (5/16-18 THD)							
	14	1	5D-7635	1	GROMMET (22.22MM OD)							
C	15	1	4P-7581	1	CLIP							

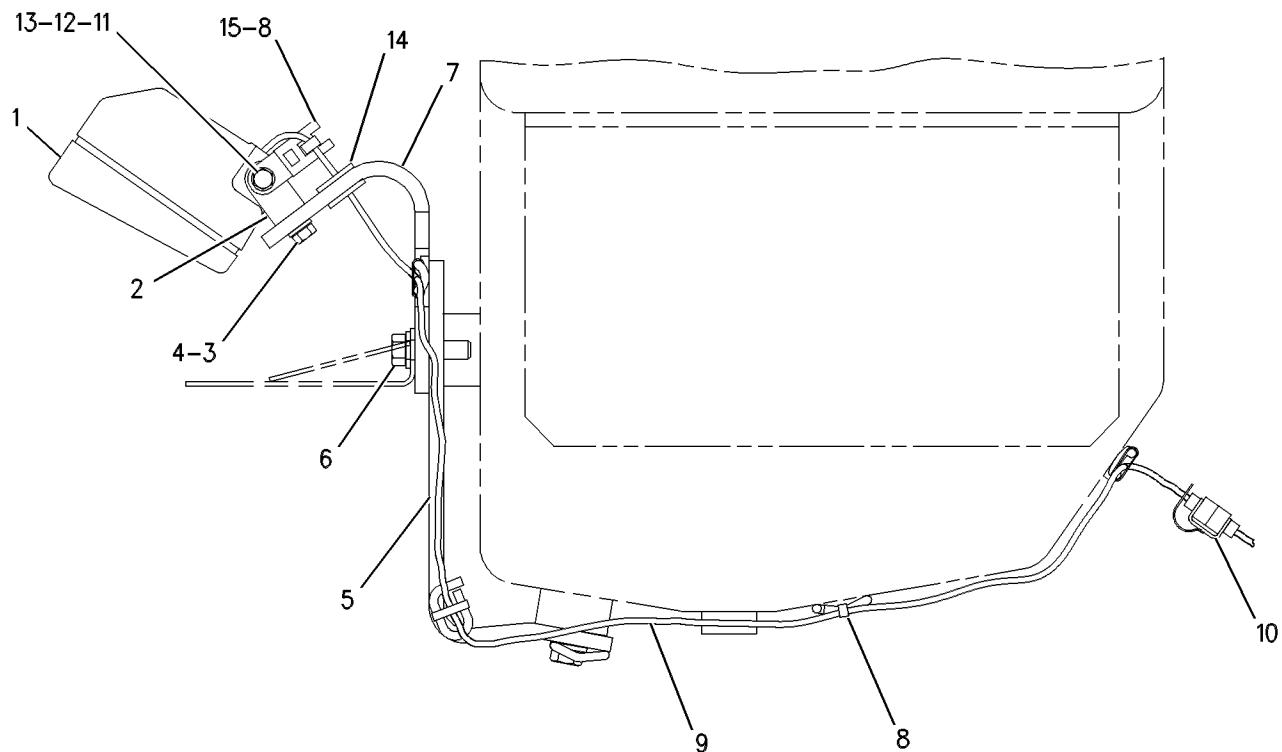
C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION

# ELECTRICAL AND STARTING SYSTEM

6Y-4581 LIGHTING GP-RIPPER (*contd.*)

i01027178



GRAPHIC #1

g00528821

# ELECTRICAL AND STARTING SYSTEM

## 116-2095 STARTING AID GP-ETHER

S/N: 9EM1-UP

SMCS-1456

i01039408

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		9G-4365	1	VALVE AS-ETHER START						
			1	7N-7779	1	SOCKET					
			1	7N-7780	1	PIN-CONNECTOR (BLADE)					
			1	7N-9737	1	HOUSING-PLUG (1 PIN, 1 SOCKET)					
			1	7N-9801	1	GASKET					
2	1		116-2096	1	TUBE						
3	1		7N-2059	1	CLAMP AS-CYLINDER						
4	1		9W-4216	2	SPACER						
5	1		5K-0906	2	BOLT (5/16-18X0.63IN)						
6	1		8T-4224	6	WASHER-HARD (2MM THK)						
7	1		6V-5782	2	BOLT (5/16-18X1.125IN)						
8	1		116-2100	1	BRACKET AS						
			1	4K-9097	2	NUT-WELD (5/16-18 THD)					
9	1		6N-7672	1	ATOMIZER AS						
10	1		6V-2686	2	CLIP (3.18MM ID)						
11	1		6V-8189	2	NUT (5/16-18 THD)						
12	1		5P-6315	1	ELBOW-FLARELESS						
			1	5P-6313	1	NUT-FLARELESS					
			1	5P-6314	1	SLEEVE-FLARELESS					
B	13	1	6K-6967	1	ADAPTER-PIPE						
A	1		7N-0296	1	CYLINDER AS (ETHER)						

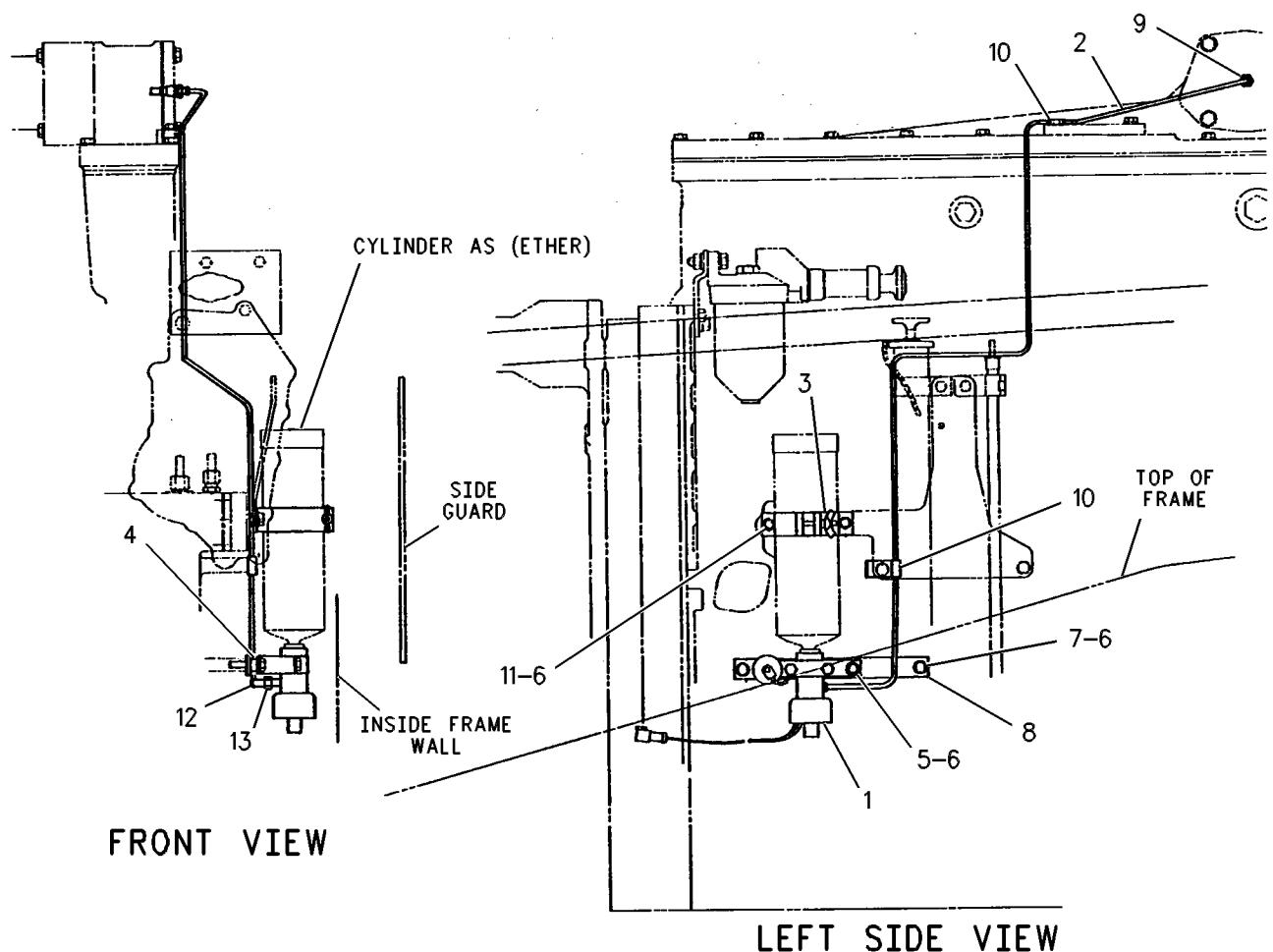
A-NOT PART OF THIS GROUP

B-USE AS REQUIRED

# ELECTRICAL AND STARTING SYSTEM

116-2095 STARTING AID GP-ETHER (contd.)

i01039408



GRAPHIC #1

g00536328

# ELECTRICAL AND STARTING SYSTEM

## 4N-1061 STARTING MOTOR GP-ELECTRIC

S/N: 9EM1-UP

24 VOLT. LH MOUNTED

SMCS-1453, 1454, 1465

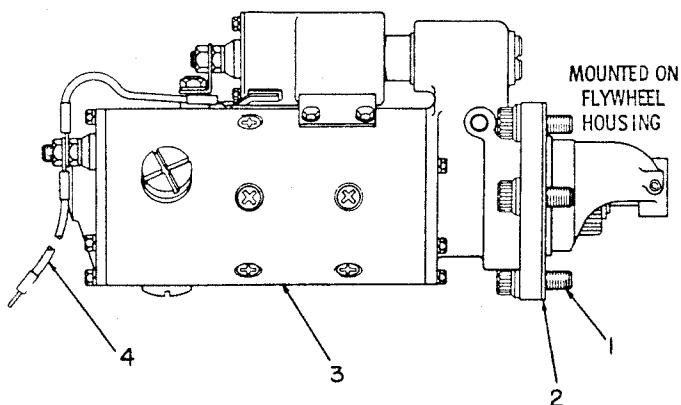
i00144879

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE					
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		8S-2332	3	BOLT -12 POINT HEAD (5/8-11X1.75IN)						
2	1		4N-1059	1	GASKET						
YCR	3	1	6V-0890	1	STARTING MOTOR GP-ELECTRIC						408
	4	1	9F-4337	1	WIRE AS						

C-CHANGE FROM PREVIOUS TYPE

R-REMFG PART MAY BE AVAILABLE

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00082994

# ELECTRICAL AND STARTING SYSTEM

## 6V-0890 STARTING MOTOR GP-ELECTRIC

S/N: 9EM1-UP

24 VOLT

PART OF 4N-1061 STARTING MOTOR GP-ELECTRIC

**SMCS-1453, 1454, 1465**

**i00149184**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		7M-0326	1	CONNECTOR							
2	1		9H-3757	2	WASHER (3/32IN THK)							
3	1		1S-7446	3	SCREW-MACHINE (8-32 THD)							
4	1		8C-9660	3	WASHER (0.8MM THK)							
5	1		9S-2544	9	SCREW-HEX HEAD							
6	1		7M-0327	1	WASHER-THRUST							
7	1		3T-3418	1	FRAME AS-END							
	1		3T-3423	1	CUP							
	1		9G-4101	1	BUSHING-END							
	1		3T-3424	1	PLUG-FELT							
8	1		3T-9525	1	PLATE AS-BRUSH							
	1		6T-0371	1	INSULATOR							
	1		5P-6298	12	SCREW-MACHINE (10-32X0.5IN)							
	1		9F-5599	12	LOCKWASHER							
	1		6T-0372	1	PLATE							
	1		6T-0363	6	HOLDER AS-BRUSH (EACH INCLUDES)							
	1		3T-9494	1	SPRING-BRUSH							
	1		2L-6679	3	PLATE-INSULATOR							
	1		3T-4709	3	PLATE							
	1		3T-4710	3	PLATE							
	1		7F-3525	6	WASHER-BUSHING							
9	1		7F-3491	2	WASHER (3/32IN THK)							
10	1		3T-3422	1	WIRE AS							
11	1		2J-8163	2	SEAL-O-RING (117.07MM ID)							
12	1		7X-3373	1	BOLT (5/16-18X.88IN)							
13	1		3T-3434	6	PLUG (12.7MM OD SPHERE)							
14	1		5J-5314	5	BOLT (5/16-18X1.5IN)							
15	1		3L-3380	1	BUSHING-TERMINAL							
16	1		036-9821	1	WASHER							
17	1		4M-1828	1	RETAINER-SPRING							
18	1		4M-1829	1	BOOT-RUBBER							
19	1		9M-7606	1	PLUNGER AS							
20	1		9M-7609	1	SPRING							
21	1		4M-1827	1	RETAINER-SPRING							
22	1		8C-3089	1	SEAL-O-RING (82.22MM ID)							
23	1		4M-1853	1	LEVER AS-SHIFT							
24	1		5M-3034	1	LOCKNUT (5/16-24 THD)							
25	1		7L-2894	4	GASKET							
26	1		4M-1831	4	PLUG-LEVER HOUSING							
27	1		4M-1854	1	SHAFT-LEVER							
28	1		1H-1023	1	SEAL-O-RING (9.25MM ID)							
29	1		2D-6392	1	SEAL-O-RING (6.07MM ID)							
30	1		7T-3974	1	HOUSING AS-DRIVE							
31	1		6N-3826	1	DRIVE AS-MOTOR							
32	1		2H-3429	2	RING-RETAINING							
33	1		6V-1322	4	BOLT (1/4-20X.375 IN)							
34	1		8T-4205	4	WASHER-HARD (2MM THK)							
35	1		6N-3279	1	INSULATOR							
36	1		036-9823	13	BOLT							
37	1		1M-9971	1	SPACER							
38	1		1H-2629	3	STRIP-INSULATION							
39	1		7M-0324	1	COIL AS-FIELD							
40	1		3F-0379	12	SCREW-POLE SHOE							
41	1		7F-3488	6	SHOE-POLE							

# ELECTRICAL AND STARTING SYSTEM

## 6V-0890 STARTING MOTOR GP-ELECTRIC (contd.)

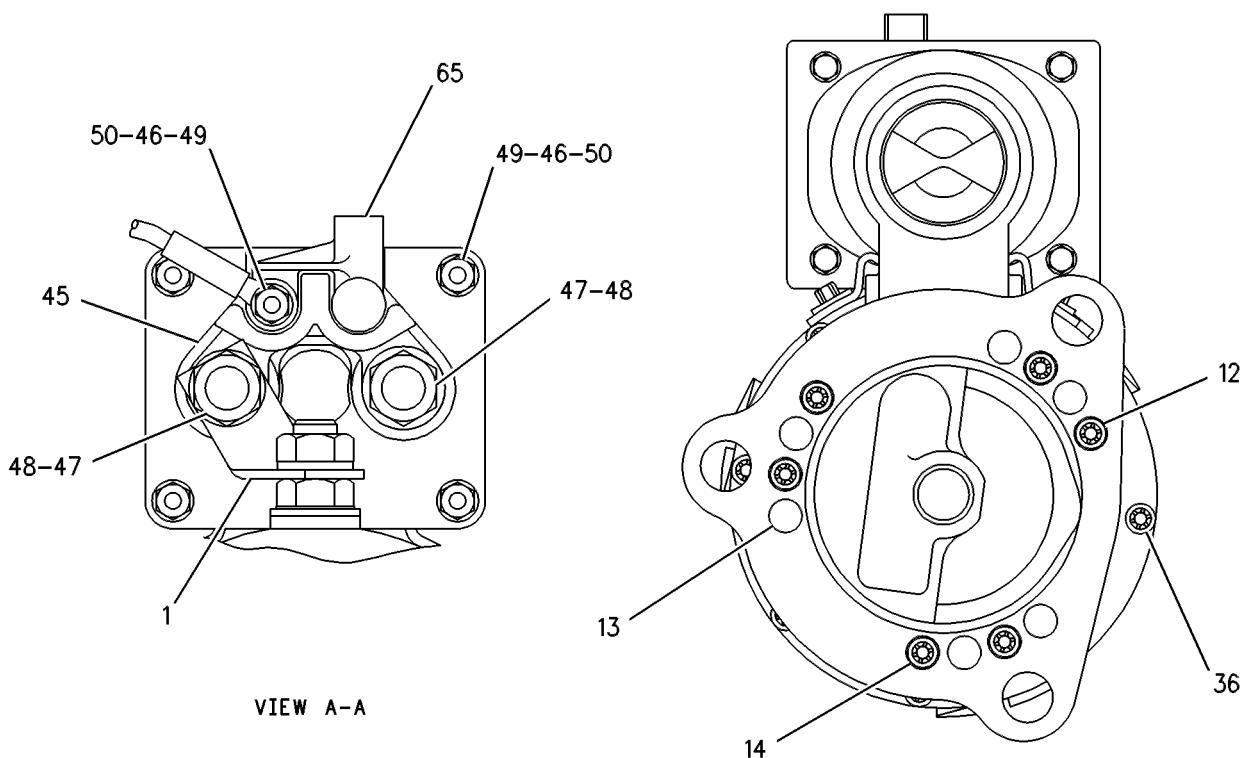
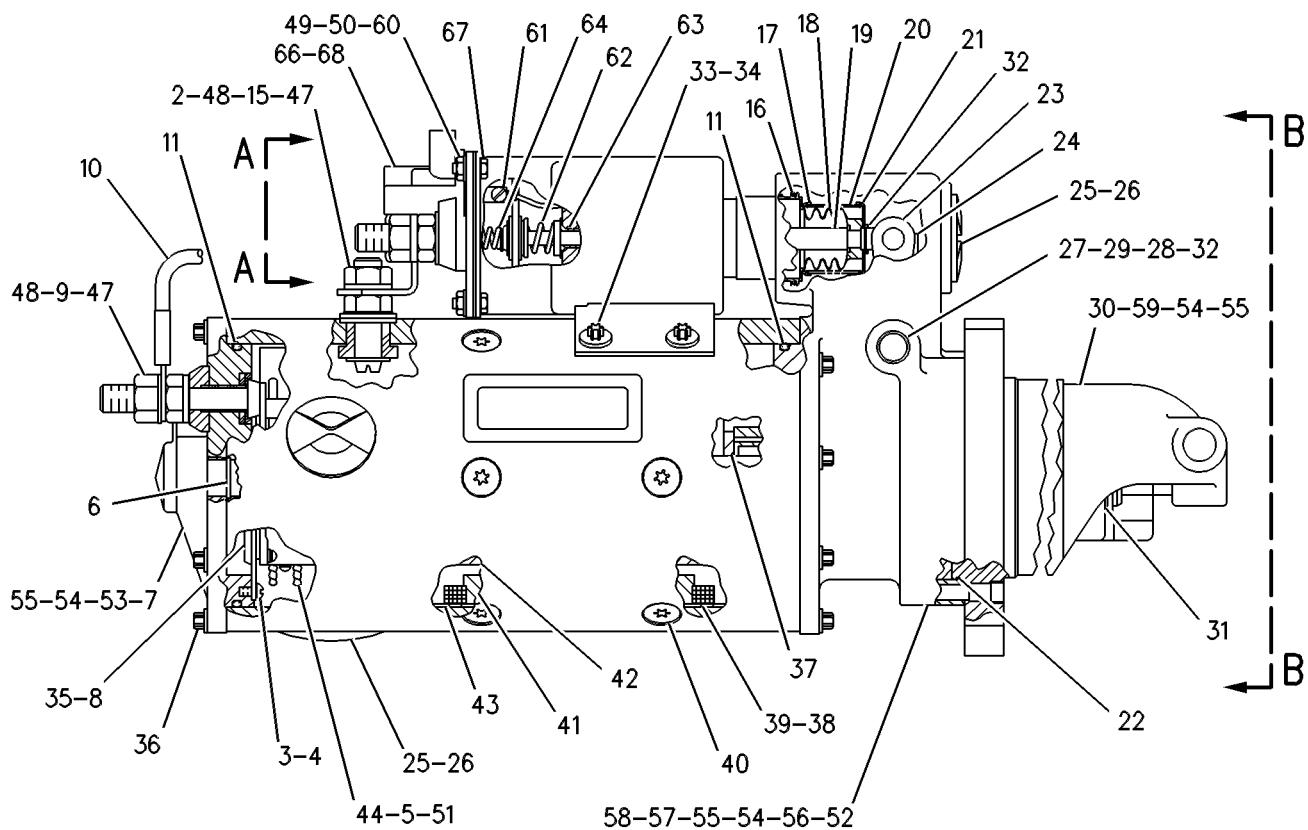
i00149184

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE
					1 2 3 4 5 6		
42	1		7M-8651	1	ARMATURE AS		
43	1		7M-0325	1	INSULATOR-COIL		
44	1		3T-9524	6	BRUSH AS		
45	1		125-6537	1	INSULATOR		
46	1		8F-1434	2	LOCKWASHER (5MM ID)		
47	1		6V-8188	6	NUT (1/2-13 THD)		
48	1		7X-0562	6	WASHER-HARD (0.8MM THK)		
49	1		4B-2049	6	NUT (10-32 THD)		
50	1		8T-0328	10	WASHER-HARD (1MM THK)		
51	1		3T-9494	6	SPRING-BRUSH		
52	1		3E-7771	1	HOUSING AS		
53	1		9G-4101	1	BUSHING-END		
54	1		3T-3424	3	PLUG-FELT		
55	1		3T-3423	3	CUP		
56	1		1M-9968	1	BUSHING		
57	1		2F-6678	1	SEAL-LIP		
58	1		4L-2729	1	WASHER		
59	1		4M-1896	1	BUSHING-TERMINAL		
60	1		045-4065	4	SCREW-MACHINE (10-32X.75IN)		
61	1		6V-8373	3	SCREW-MACHINE (6-32X.187IN)		
62	1		9G-6770	1	CONTACT AS		
63	1		6T-1120	1	BUSHING-TERMINAL		
64	1		4M-1815	1	SPRING-CONTACT		
65	1		125-6535	1	COVER-STARTING MOTOR		
66	1		7T-9123	1	GASKET-PLATE		
67	1		125-6533	1	SOLENOID AS		
	1		3R-8801	1	CLAMP-BOOT		
68	1		125-6536	1	TERMINAL AS		
AVAILABLE REPAIR KIT(S) :							
3N-3763      1      KIT-TERMINAL (INCLUDES INSULATOR, BUSHINGS & WASHER)							

# ELECTRICAL AND STARTING SYSTEM

6V-0890 STARTING MOTOR GP-ELECTRIC (contd.)

i00149184



GRAPHIC #1

g00066598

# ELECTRICAL AND STARTING SYSTEM

## 124-9780 STARTING MOTOR GP - PRELUB SYS

S/N: 9EM1-UP

PART OF 115-8394 PRELUBRICATION AR-ENGINE  
AN ATTACHMENT

SMCS-1453

i01496644

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		7M-0326	1	CONNECTOR							
2	1		9H-3757	2	WASHER (0.516X1X0.094 IN THK)							
3	1		1S-7446	3	SCREW-MACHINE (8-32X0.437 THD)							
4	1		8C-9660	3	WASHER (4.6X7.9X0.8MM THK)							
5	1		9S-2544	9	SCREW-HEX HEAD (8-32X11.13MM) (#8)							
6	1		4L-7124	4	BOLT (1/4-20X1.25 IN)							
7	1		117-0610	1	KIT-BEARING							
8	1		3T-9525	1	PLATE AS-BRUSH							
	1		5P-6298	12	SCREW-MACHINE (10-32X0.5 IN)							
	1		6T-0363	6	HOLDER AS-BRUSH (EACH INCLUDES)							
	1		3T-9494	1	SPRING-BRUSH							
	1		6T-0371	1	INSULATOR							
	1		7F-3525	6	WASHER-BUSHING							
	1		9F-5599	12	LOCKWASHER							
9	1		7F-3491	2	WASHER (0.516X1X0.094 IN THK)							
10	1		3T-3422	1	WIRE AS							
11	1		2J-8163	2	SEAL-O-RING							
12	1		7X-3373	1	BOLT (5/16-18X0.88 IN)							
13	1		3T-3434	6	PLUG							
14	1		5J-5314	5	BOLT (5/16-18X1.5 IN)							
15	1		3L-3380	1	BUSHING-TERMINAL							
16	1		036-9821	1	WASHER							
17	1		4M-1828	1	RETAINER-SPRING							
18	1		4M-1829	1	BOOT-RUBBER							
19	1		9M-7606	1	PLUNGER AS							
20	1		9M-7609	1	SPRING							
21	1		4M-1827	1	RETAINER-SPRING							
22	1		8C-3089	1	SEAL-O-RING							
23	1		4M-1853	1	LEVER AS-SHIFT							
24	1		5M-3034	1	LOCKNUT							
25	1		7L-2894	4	GASKET							
26	1		4M-1831	4	PLUG-LEVER HOUSING							
27	1		4M-1854	1	SHAFT-LEVER							
28	1		1H-1023	1	SEAL-O-RING							
29	1		2D-6392	1	SEAL-O-RING							
30	1		7T-3974	1	HOUSING AS-DRIVE							
31	1		6N-3826	1	DRIVE AS-MOTOR							
32	1		2H-3429	2	RING-RETAINING							
33	1		6V-1322	4	BOLT (1/4-20X0.375 IN)							
34	1		8T-4205	4	WASHER-HARD (7.2X14.5X2MM THK)							
35	1		6N-3279	1	INSULATOR							
36	1		036-9823	13	BOLT							
37	1		111-9862	1	COVER-STARTING MOTOR							
38	1		1H-2629	3	STRIP-INSULATION							
39	1		7M-0324	1	COIL AS-FIELD							
40	1		3F-0379	12	SCREW-POLE SHOE							
41	1		7F-3488	6	SHOE-POLE							
42	1		111-9864	1	GASKET							
43	1		7M-0325	1	INSULATOR-COIL							
44	1		3T-9524	6	BRUSH AS							
45	1		3N-3763	1	KIT-TERMINAL							
46	1		125-6537	1	INSULATOR							
47	1		3R-8801	1	CLAMP-BOOT							
48	1		8F-1434	2	LOCKWASHER							

# ELECTRICAL AND STARTING SYSTEM

**124-9780 STARTING MOTOR GP-PRELUB SYS (contd.)**

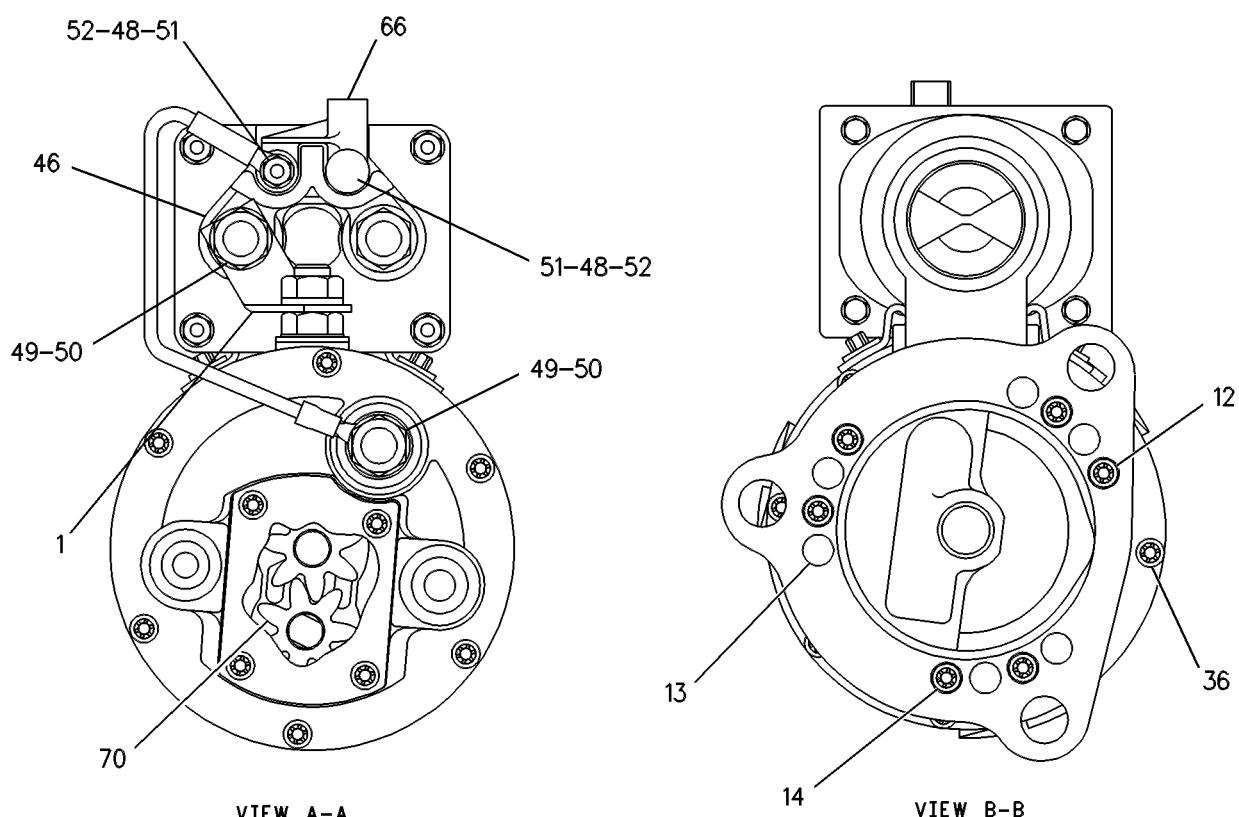
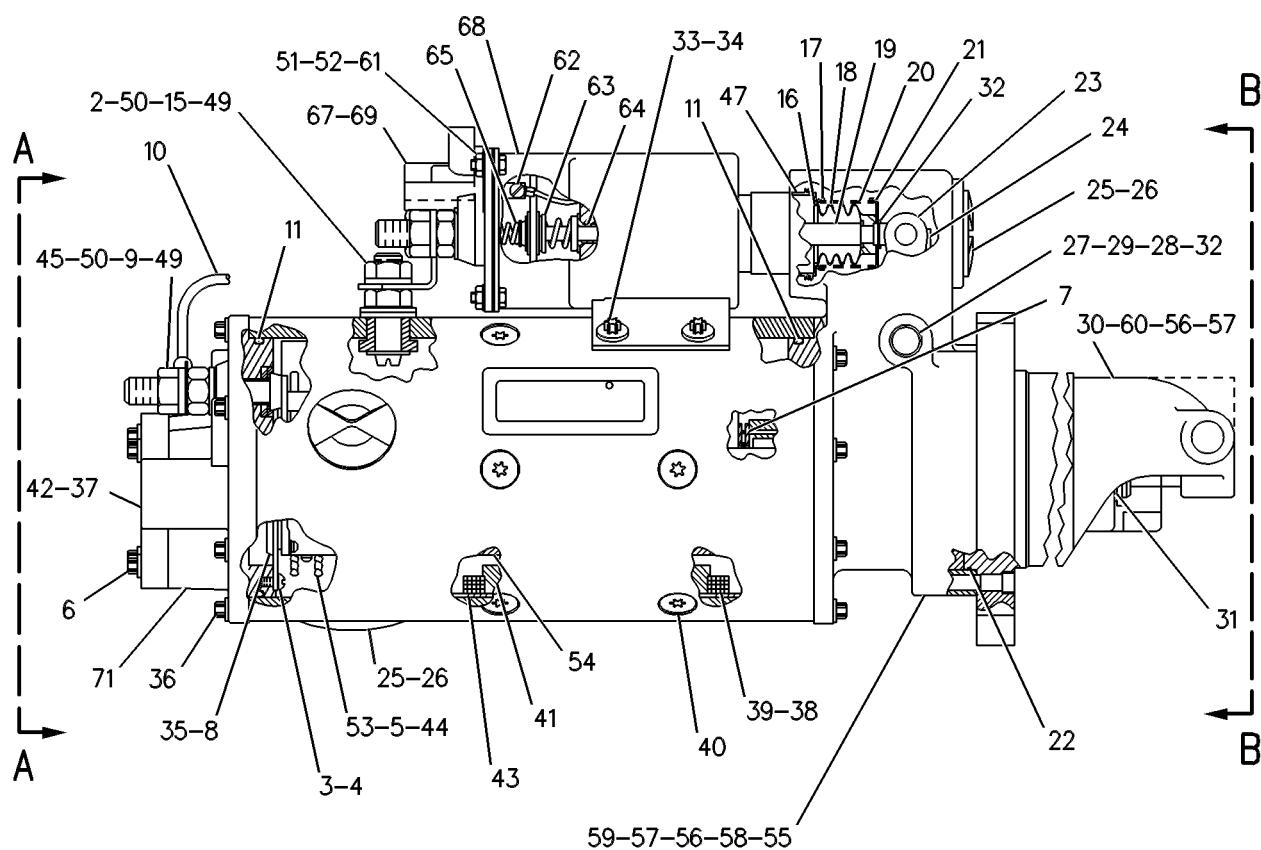
**i01496644**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
49	1		<b>6V-8188</b>	6	NUT (1/2-13 THD)							
50	1		<b>7X-0562</b>	6	WASHER-HARD (13.5X19X0.8MM THK)							
51	1		<b>4B-2049</b>	6	NUT (10-32 THD)							
52	1		<b>8T-0328</b>	10	WASHER-HARD (5.5X10X1MM THK)							
53	1		<b>3T-9494</b>	6	SPRING-BRUSH							
54	1		<b>123-9776</b>	1	ARMATURE AS-STARTING MOTOR							
55	1		<b>123-9773</b>	1	HOUSING AS-STARTING MOTOR							
56	1		<b>3T-3424</b>	2	PLUG-FELT							
57	1		<b>3T-3423</b>	2	CUP							
58	1		<b>1M-9968</b>	1	BUSHING							
59	1		<b>2F-6678</b>	1	SEAL-LIP							
60	1		<b>4M-1896</b>	1	BUSHING-TERMINAL							
61	1		<b>045-4065</b>	4	SCREW-MACHINE (10-32X0.75 IN)							
62	1		<b>6V-8373</b>	3	SCREW-MACHINE (6-32X0.187 IN)							
63	1		<b>9G-6770</b>	1	CONTACT AS							
64	1		<b>6T-1120</b>	1	BUSHING-TERMINAL							
65	1		<b>4M-1815</b>	1	SPRING-CONTACT							
66	1		<b>125-6535</b>	1	COVER-STARTING MOTOR							
67	1		<b>7T-9123</b>	1	GASKET-PLATE							
68	1		<b>125-6533</b>	1	SOLENOID AS							
	1		<b>3R-8801</b>	1	CLAMP-BOOT							
69	1		<b>125-6536</b>	1	TERMINAL AS							
70	1		<b>111-9866</b>	1	KIT-STARTING MOTOR GEAR							
71	1		<b>147-0633</b>	1	HOUSING AS							

# ELECTRICAL AND STARTING SYSTEM

124-9780 STARTING MOTOR GP - PRELUB SYS (contd.)

i01496644



GRAPHIC #1

g00327004

# ELECTRICAL AND STARTING SYSTEM

## 3E-9169 SUPPRESSOR GP-ELECTRONIC

S/N: 9EM1-UP

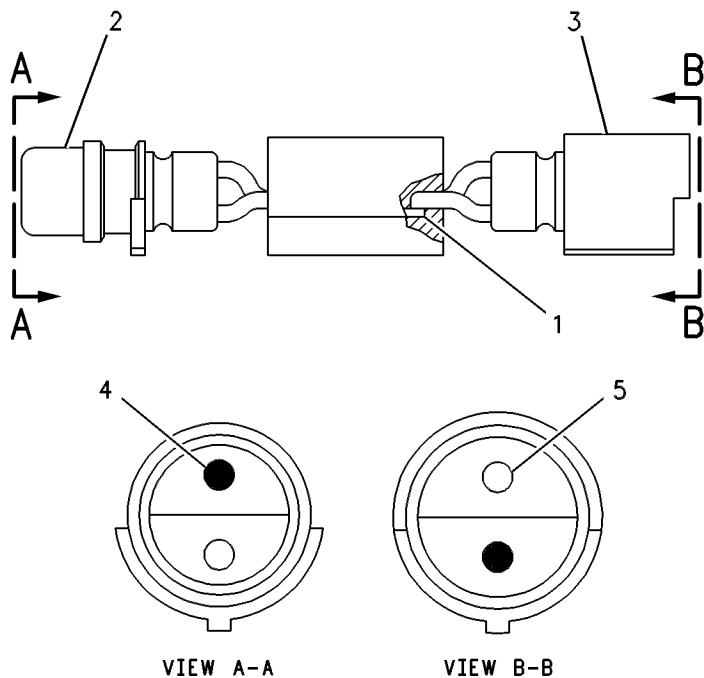
PART OF 111-7260 LINES GP-AIR CONDITIONER  
AN ATTACHMENT

SMCS-1623, 4466

i00136005

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
Z	1	1		1	SENSOR AS-ELECTRONIC							
	2	1	7N-9737	1	HOUSING-PLUG							
	3	1	7N-9738	1	HOUSING-RECEPTACLE							
	4	1	7N-7780	2	PIN-CONNECTOR (BLADE)							
	5	1	7N-7779	2	SOCKET							

Z-NOT SERVICED SEPARATELY



GRAPHIC #1

g00108826

# ELECTRICAL AND STARTING SYSTEM

## 9X-7781 SWITCH GP-BYPASS

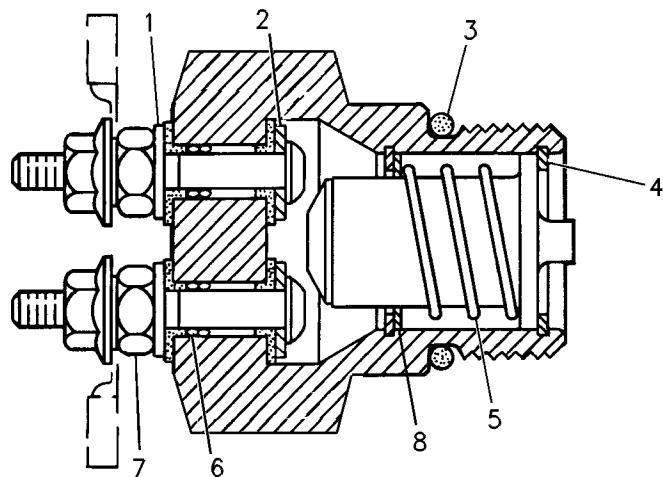
S/N: 9EM1-897

PART OF 120-6535 BATTERY & WIRING GP, 9T-8340 FILTER GP-OIL  
FIELD REPLACEMENT ORDER 164-7577-PAGE 417

SMCS-1408

i01166624

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		4B-4863	2	WASHER (1.2MM THK)						
2	1		9W-1461	2	WASHER						
3	1		3D-2824	1	SEAL-O-RING (23.47MM ID)						
4	1		8J-2283	2	RING-SNAP						
5	1		9X-8071	1	SPRING						
6	1		5P-9262	4	SEAL (3.99MM ID)						
7	1		4B-2043	2	NUT (8-32 THD)						
8	1		9X-6551	1	WASHER						



GRAPHIC #1

g00086264

# ELECTRICAL AND STARTING SYSTEM

## 164-7577 SWITCH GP-BYPASS

S/N: 9EM898-UP

PART OF 120-6535 BATTERY & WIRING GP, 183-8610 FILTER GP-OIL  
FIELD REPLACEMENT FOR 9X-7781-PAGE 416

SMCS-1408

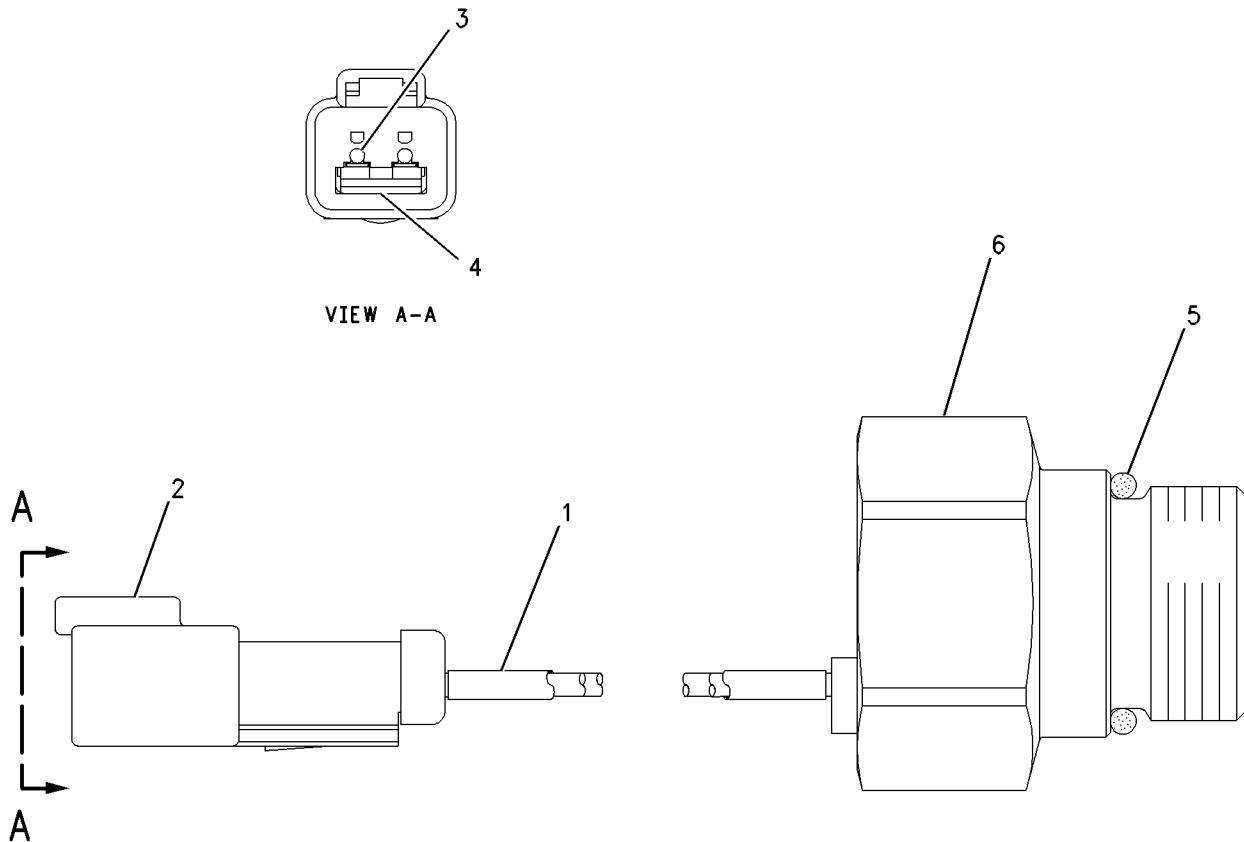
i01431493

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
					1	2	3	4	5	6	
BE	1	1	9X-1813		SLEEVE						
	2	1	102-8802	1	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE AS & WEDGE)						
	3	1	186-3735	2	PIN-CONNECTOR						
	4	1	3E-3365	1	WEDGE-RECEPTACLE LOCK (2 PIN)						
	5	1	3D-2824	1	SEAL-O-RING (23.47MM ID)						
Z	6	1		1	SWITCH AS						

B-USE AS REQUIRED

E-ORDER BY THE CENTIMETER

Z-NOT SERVICED SEPARATELY



GRAPHIC #1

g00750019

# ELECTRICAL AND STARTING SYSTEM

## 7N-0718 SWITCH GP-DISCONNECT-BATTERY

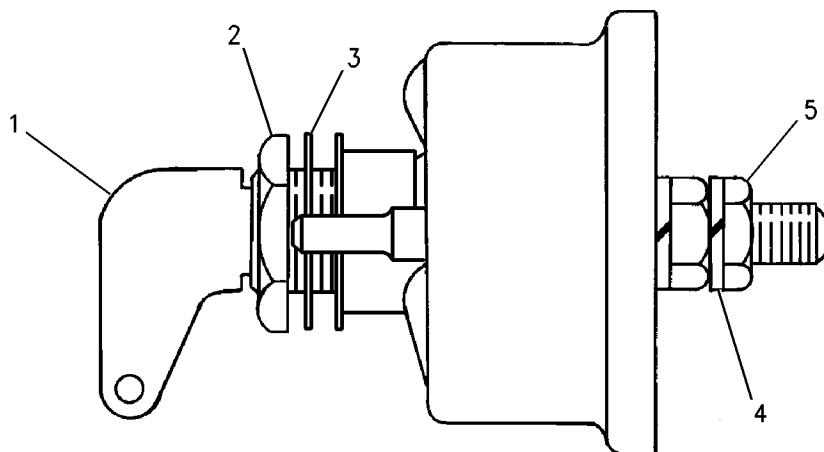
S/N: 9EM1-UP

PART OF 120-6535 BATTERY & WIRING GP

SMCS-1411

i01502159

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		8H-5306	1	KEY						
2	1		8H-5303	1	NUT (3/4-16 THD)						
3	1		2H-3922	2	LOCKWASHER						
4	1		9F-5644	2	LOCKWASHER						
5	1		6F-7045	2	NUT-FULL (3/8X24 THD)						



GRAPHIC #1

g00715584

# ELECTRICAL AND STARTING SYSTEM

## 3E-2030 SWITCH GP-FLOW

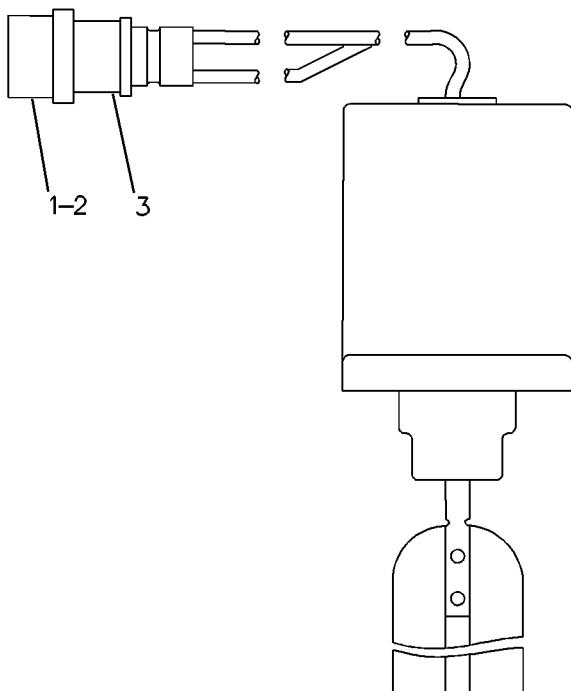
S/N: 41Z1-UP

PART OF 6I-4687 SWITCH GP-FLOW  
ALSO AN ATTACHMENT

SMCS-1435

i00143032

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		7N-7779	1	SOCKET						
2	1		7N-7780	1	PIN-CONNECTOR (BLADE)						
3	1		7N-9737	1	HOUSING-PLUG						



GRAPHIC #1

g00082774

# ELECTRICAL AND STARTING SYSTEM

## 6I-4687 SWITCH GP-FLOW

S/N: 41Z1-UP

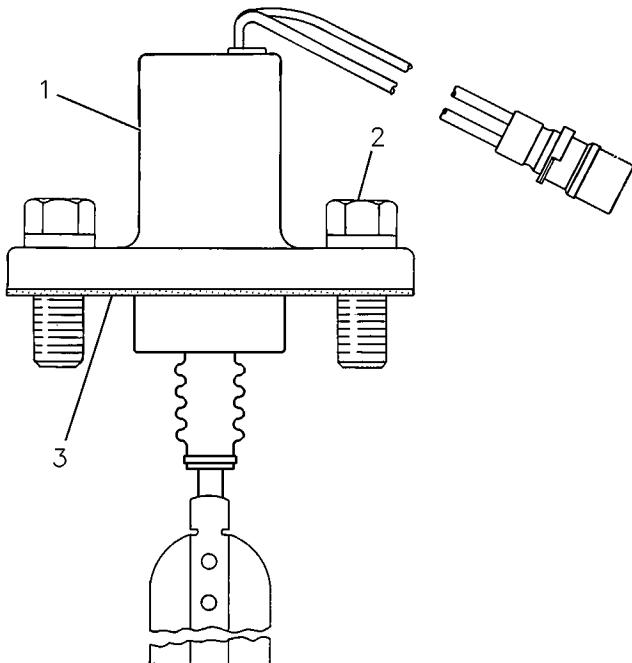
PART OF 105-9697, 111-0592, 111-0593, 111-0594 ENGINE AR  
ALSO AN ATTACHMENT

SMCS-1435

i00144877

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	3E-2030	1	SWITCH GP-FLOW						419
	2	1	2B-2695	2	BOLT (5/16-18X.875IN)						
		1	9M-1974	2	WASHER-HARD (2MM THK)						
	3	1	4N-3841	1	GASKET						

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00105440

# ELECTRICAL AND STARTING SYSTEM

## 3E-0075 SWITCH GP - MAGNETIC

S/N: 9EM1-UP

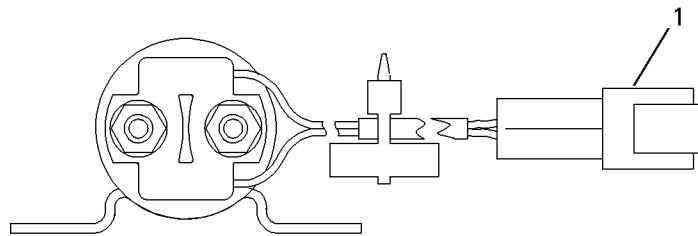
24 VOLT

PART OF 120-6535 BATTERY & WIRING GP

SMCS-7499

i01330566

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		102-8802	1	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE AS & WEDGE)							



GRAPHIC #1

g00678624

# ELECTRICAL AND STARTING SYSTEM

## 9G-7641 SWITCH GP-START-KEY

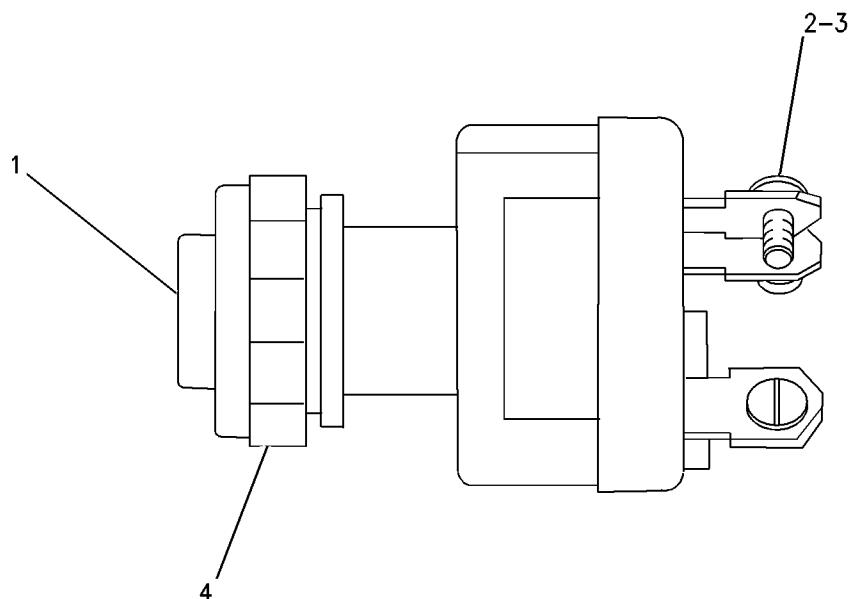
S/N: 9EM1-UP

PART OF 8E-5451, 8E-5452 INSTRUMENT GP  
ALSO AN ATTACHMENT

SMCS-1416

i01336684

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		6V-3324	1	LOCK AS-CYLINDER						
2	1		6V-8362	4	SCREW-MACHINE (8-32X.31 IN)						
3	1		9B-7233	4	LOCKWASHER (NO.8)						
4	1		7T-6799	1	NUT-MOUNTING						



GRAPHIC #1

g00706809

# ELECTRICAL AND STARTING SYSTEM

## 7N-8001 SWITCH GP - TOGGLE

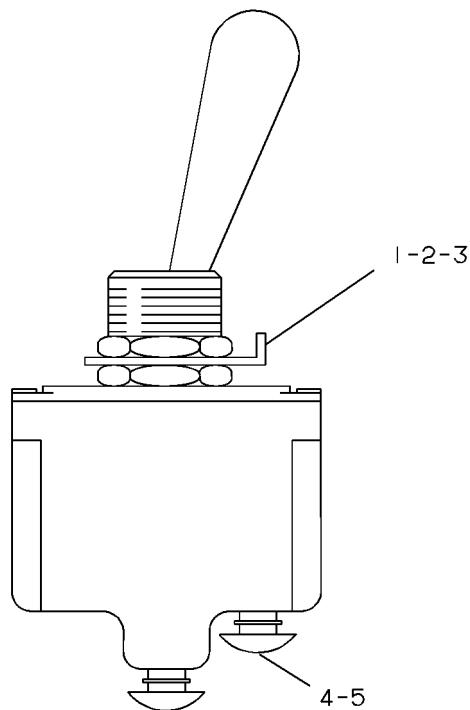
S/N: 9EM1-UP

PART OF 8E-5451, 8E-5452 INSTRUMENT GP  
ALSO AN ATTACHMENT

SMCS-7332

i01138759

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		6T-3631	2	NUT-HEX (15/32-32 THD)						
2	1		6T-3632	1	LOCKWASHER (12MM ID)						
3	1		6T-3633	1	LOCKRING						
4	1		6V-8374	2	SCREW-MACHINE (6-32X.25IN)						
5	1		3L-8187	2	LOCKWASHER (NO.6-INT)						



GRAPHIC #1

g00082014

# ELECTRICAL AND STARTING SYSTEM

123-6449 WARNING GP-BACKUP-BACK UP

S/N: 9EM1-UP

PART OF 120-6535 BATTERY & WIRING GP

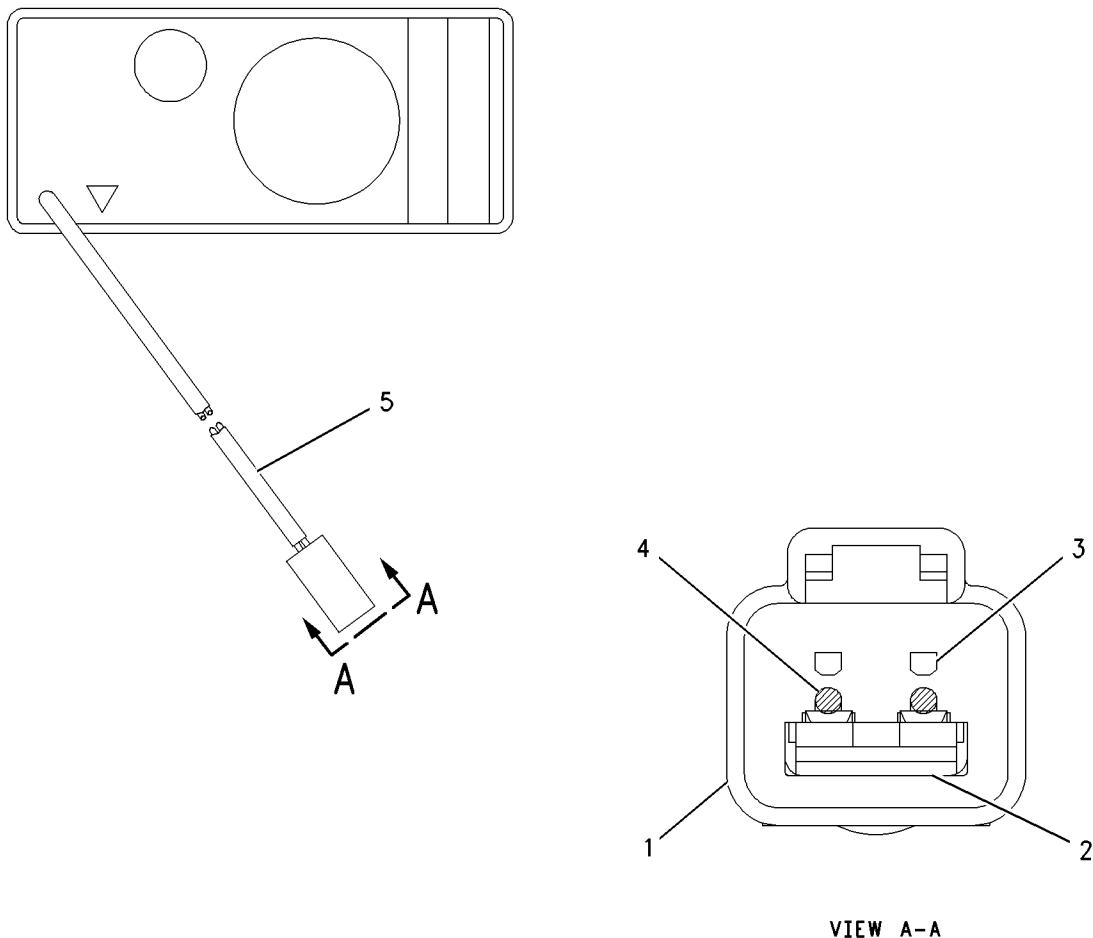
SMCS-7406

i01679183

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		102-8802	1	KIT-RECEPTACLE (2 PIN) (BACK UP ALARM)						
2	1		3E-3365	1	WEDGE-RECEPTACLE LOCK (2 PIN)						
3	1		186-3735	2	PIN-CONNECTOR						
B	4	1	5P-5677		WIRE-ELECTRICAL (18 GA)						
E	5	1	9X-1813		SLEEVE (28CM)						

B-USE AS REQUIRED

E-ORDER BY THE CENTIMETER



GRAPHIC #1

g00677117

# POWER TRAIN

## 1Q-3056 AXLE GP-POWER TRAIN

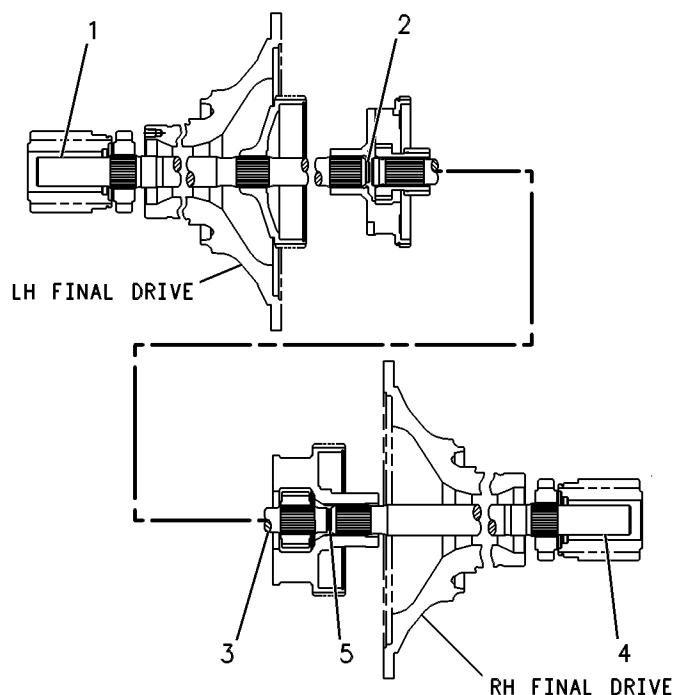
S/N: 9EM1-UP

PART OF 129-1330 GAUGE AR  
AN ATTACHMENT

SMCS-3013, 3259, 3278

i01323276

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		1Q-3059	1	SHAFT AS-LH						
2	1		8E-0618	1		BEARING-THRUST					
3	1		3T-5851	1	SHAFT						
4	1		1Q-3057	1	SHAFT AS-RH						
5	1		8E-0618	1	BEARING-THRUST						



GRAPHIC #1

g00255005

# POWER TRAIN

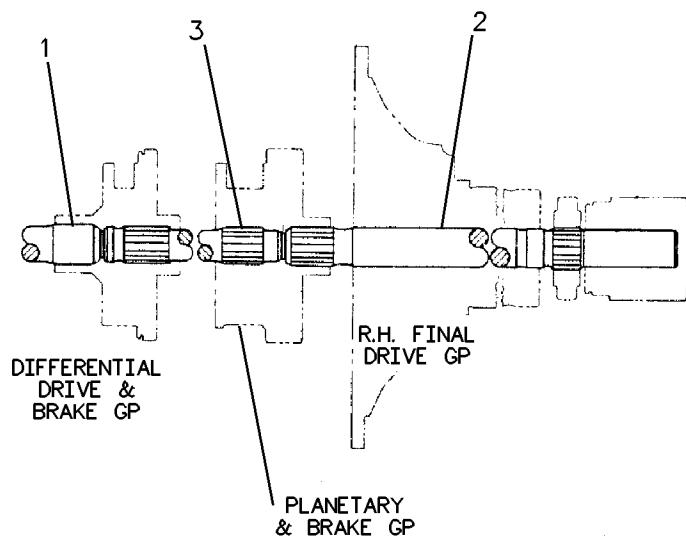
## 7T-8148 AXLE GP - POWER TRAIN

S/N: 9EM1-UP

SMCS-3013, 3259, 3278

i01065806

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		8E-3519	1	SHAFT AS-LH						
			1		BEARING-THRUST						
2	1		8E-3518	1	SHAFT AS-RH						
			1		BEARING-THRUST						
3	1		3T-5851	1	SHAFT						



GRAPHIC #1

g00215398

# POWER TRAIN

## 6Y-3587 BRAKE & DIFFERENTIAL DRIVE GP

S/N: 9EM1-UP

PART OF 109-0137, 159-2542 BRAKE & DRIVE GP, 133-9140 GUARD AR-FINAL DRIVE  
ALSO AN ATTACHMENT

SMCS-4131

i00963683

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	0S-1614	3	BOLT	
	2	1	7T-6994	3	PLATE-CLUTCH & BRAKE	
	3	1	7T-9832	1	RETAINER	
	4	1	6Y-9373	4	DISC-FRICTION	
	5	1	7T-1885	1	RING	
	6	1	6Y-3979	1	HUB	
B	7	1	3T-9272	1	SHIM PACK (INCL 8 SHIMS)	
	8	1	1A-2029	7	BOLT (3/8-16X1.125IN)	
	9	1	5M-2894	7	WASHER (2.5MM THK)	
	10	1	7T-9837	1	PLATE	
	11	1	2K-9295	1	CONE-ROLLER BEARING	
	12	1	3B-4124	1	CUP-ROLLER BEARING	
	13	1	2B-0947	6	BOLT (1/2-13X2.25IN)	
	14	1	5P-8245	6	WASHER (3MM THK)	
	15	1	6T-0850	2	WASHER-THRUST	
	16	1	6T-7863	1	SLEEVE	
	17	1	6V-7646	3	WASHER-HARD (2MM THK)	
	18	1	9W-6577	1	SPOOL	
	19	1	9S-8005	2	PLUG-O-RING (3/4-16 THD)	
	20	1	6J-7836	1	RING-SNAP	
	21	1	6D-9953	1	PIN-SPRING	
	22	1	6Y-3986	1	PISTON	
	23	1	3T-3601	1	RING-SPACER	
	24	1	6Y-2704	1	SPRING-DISC	
	25	1	2A-4639	1	BOLT (3/8-16X1.625IN)	
	26	1	136-1596	1	HOUSING-ROTATING	
	27	1	6Y-2574	1	GEAR-BEVEL (97 TEETH)	
	28	1	0L-1143	21	BOLT (3/8X2.50IN)	
	29	1	9L-9132	3	WASHER (2.5MM THK)	
	30	1	6P-5317	1	RING-SEAL	
	31	1	6Y-4003	1	RING-SEAL	
	32	1	3K-0360	2	SEAL-O-RING (16.36MM ID)	
	33	2	8E-8307	6	DISC-THRUST	
	34	1	6Y-2576	1	PINION-BEVEL (27 TEETH)	
	35	1	005-4834	2	CONE-ROLLER BEARING	
	36	1	6Y-3982	1	CARRIER	
	37	1	6P-1736	1	WASHER-TONGUE	
	38	1	9B-0576	1	LOCKNUT-BEARING	
	39	1	6P-1735	1	LOCKWASHER	
	40	1	7H-4566	2	CUP-ROLLER BEARING	
	41	1	6V-0855	1	CONE-ROLLER BEARING	
	42	1	2K-5069	1	CUP-ROLLER BEARING	
	43	1	9W-6770	1	PLUG-CUP	
	44	1	8M-4438	1	SEAL-O-RING (17.12M ID)	
B	45	1	9W-2853	1	SHIM PACK (INCL 21 SHIMS)	
	46	1	7W-6534	4	PLUG-PIPE (3/8-18 NPTF THD)	
	47	1	6Y-3991	1	RETAINER	
	48	1	6Y-3984	1	HOUSING AS	
	49	1	1A-1460	12	BOLT (1/2-13X2IN)	
	50	1	5P-8245	12	WASHER (3MM THK)	
	51	1	1A-2223	2	DOWEL	
	52	2	3S-2708	7	PIN-SPRING	
	53	2	6Y-0926	3	GEAR-PLANETARY (23 TEETH)	
	54	2	5M-0578	3	BEARING	
	55	2	8E-8310	8	DISC-THRUST	

# POWER TRAIN

**6Y-3587 BRAKE & DIFFERENTIAL DRIVE GP (contd.)**

**i00963683**

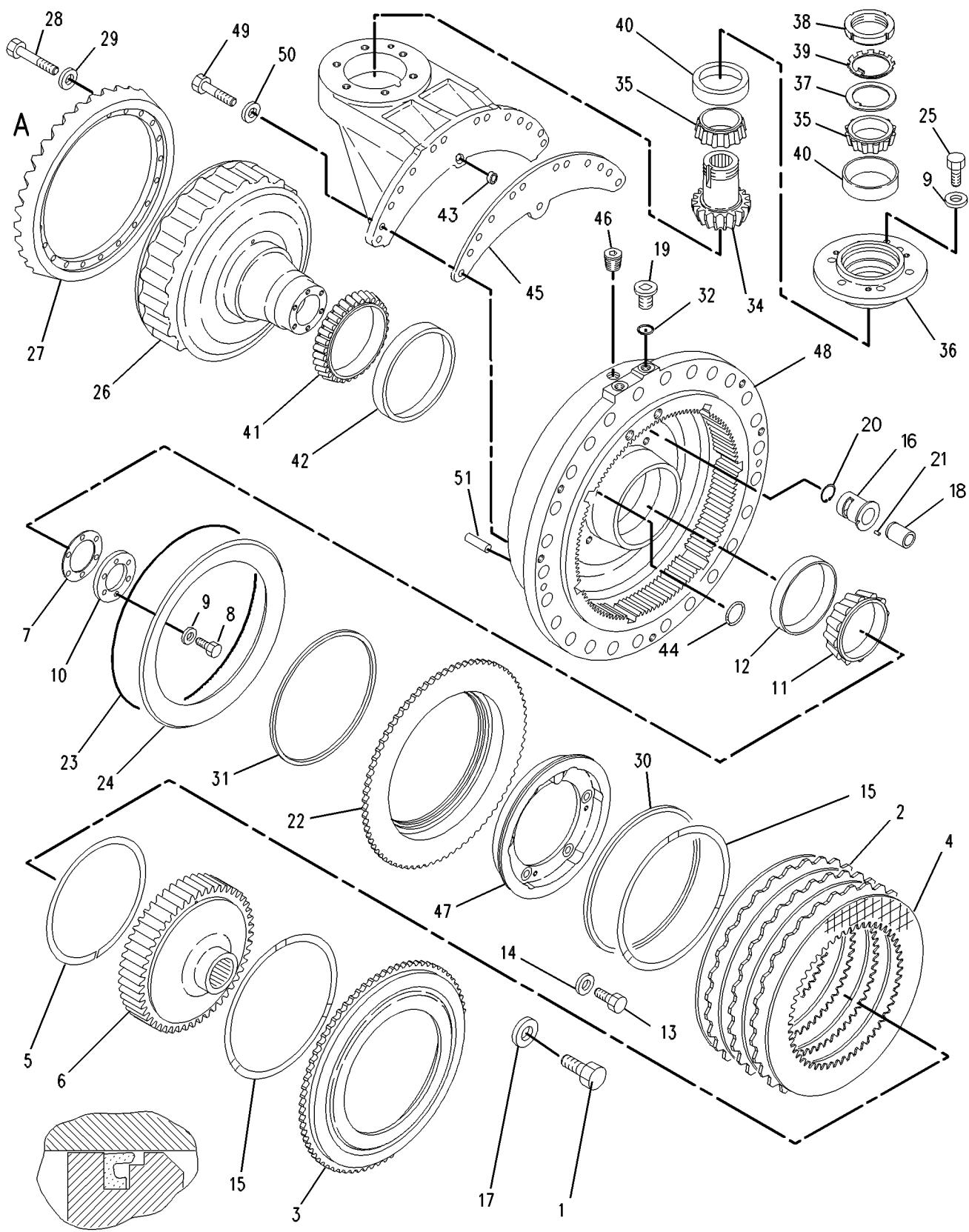
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
56	2		<b>5M-7925</b>	4	BEARING-ROLLER							
57	2		<b>6T-0064</b>	4	SHAFT-PLANETARY							
58	2		<b>3T-4824</b>	4	GEAR-PLANETARY (30 TEETH)							
59	2		<b>9W-3939</b>	1	LOCKRING							
60	2		<b>3T-4715</b>	1	GEAR-SUN (30/24 TEETH)							
61	2		<b>9W-3937</b>	1	SPACER							
62	2		<b>3T-5021</b>	1	CARRIER-PLANETARY							
63	2		<b>9W-1571</b>	1	SLINGER							
B	2		<b>1U-8846</b>		SEALANT							
64	2		<b>030-2135</b>	4	BOLT-LOCKING							
65	2		<b>7G-1596</b>	1	RING-RETAINING							
66	2		<b>9W-6102</b>	1	GEAR-RING (84 TEETH)							
67	2		<b>9W-6103</b>	1	RING-THRUST							
68	2		<b>3T-6963</b>	1	SEAL-RING							
69	2		<b>6I-8724</b>	1	LOCKRING							
70	2		<b>6Y-0984</b>	1	GEAR-RING (42 TEETH)							
71	2		<b>6T-0062</b>	1	PLATE							
72	2		<b>5K-9107</b>	3	BOLT-LOCKING (3/8-16X0.75IN)							
73	2		<b>3T-5200</b>	1	CARRIER-PLANETARY							
74	2		<b>7T-8130</b>	1	RING-RETAINING							
75	2		<b>3T-4568</b>	3	SHAFT-PLANETARY							

B-USE AS REQUIRED

# POWER TRAIN

6Y-3587 BRAKE & DIFFERENTIAL DRIVE GP (contd.)

i00963683

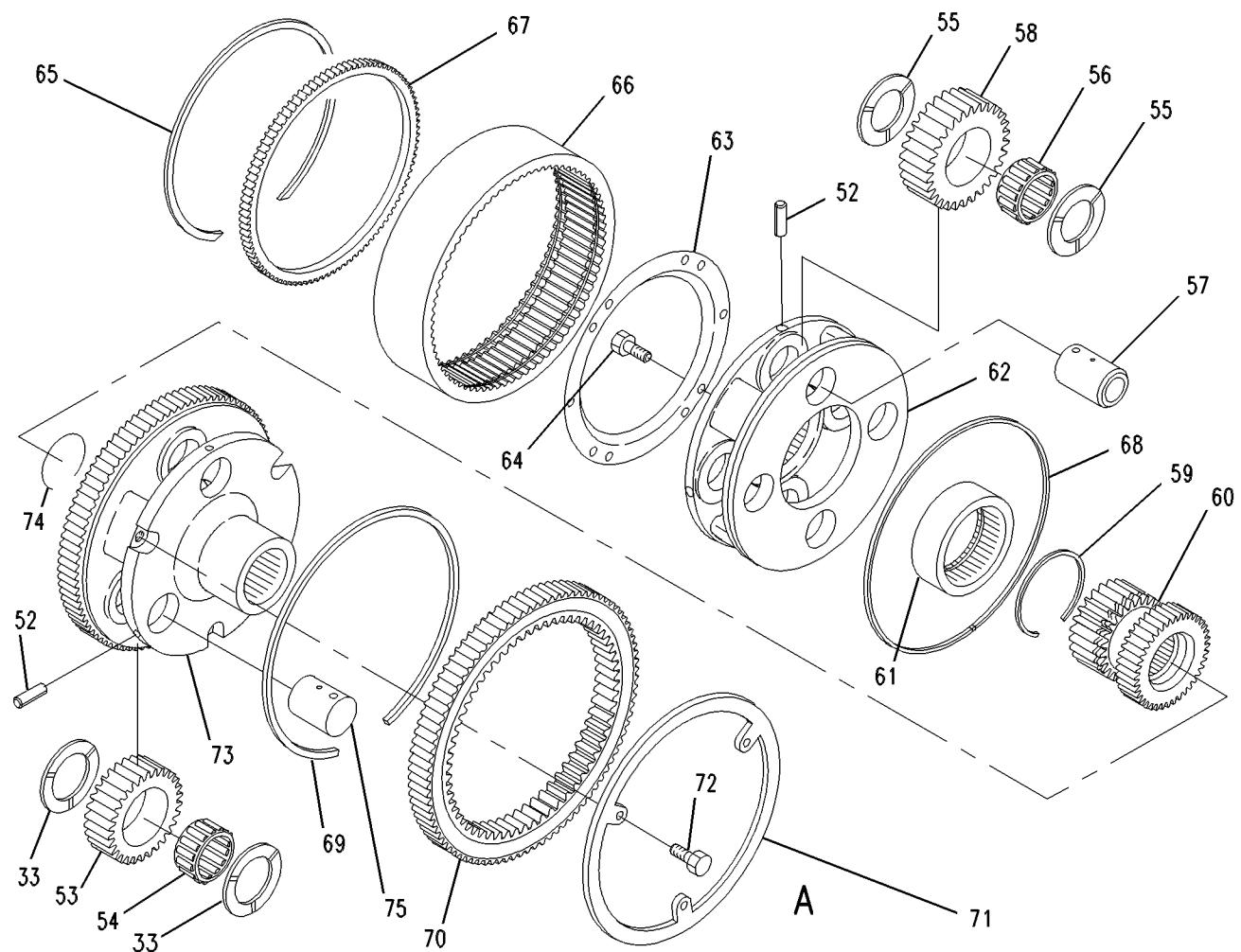


TYPICAL SEAL INSTALLATION

# POWER TRAIN

6Y-3587 BRAKE & DIFFERENTIAL DRIVE GP (*contd.*)

i00963683



GRAPHIC #2

g00491070

# POWER TRAIN

## 109-0137 BRAKE & DRIVE GP

S/N: 9EM1-1225

DIFFERENTIAL

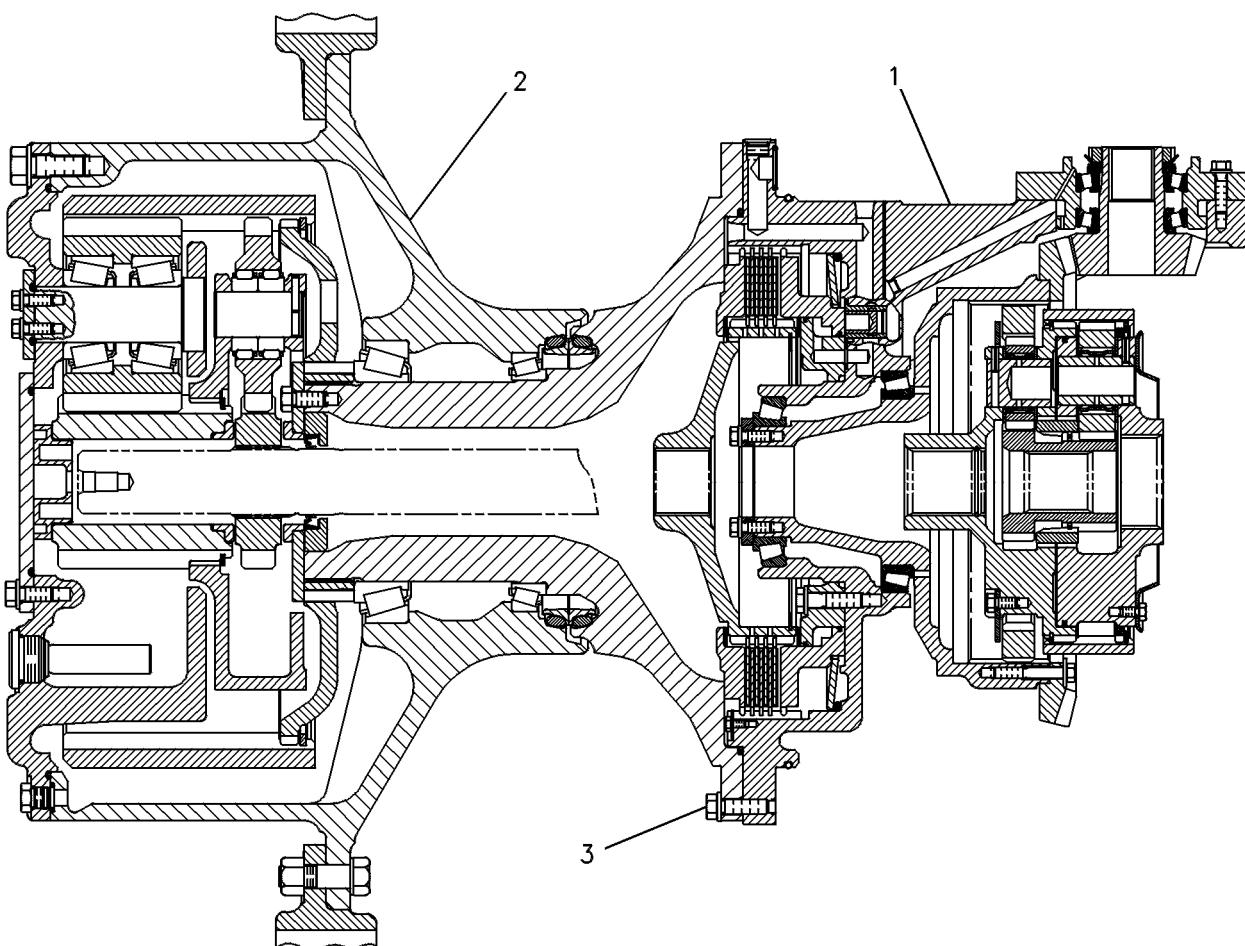
SMCS-4050, 4132

i01515058

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
YR	1	1	6Y-3587	1	BRAKE & DIFFERENTIAL DRIVE GP	428
YR	2	1	9W-9395	1	FINAL DRIVE GP	452
3	1		8T-8919	2	BOLT (1/2-13X1.75 IN)	
	1		8T-4223	2	WASHER-HARD (13.5X25.5X3MM THK)	

R - REMFG PART MAY BE AVAILABLE

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

g00247111

# POWER TRAIN

## 109-0138 BRAKE & DRIVE GP

S/N: 9EM1-1225

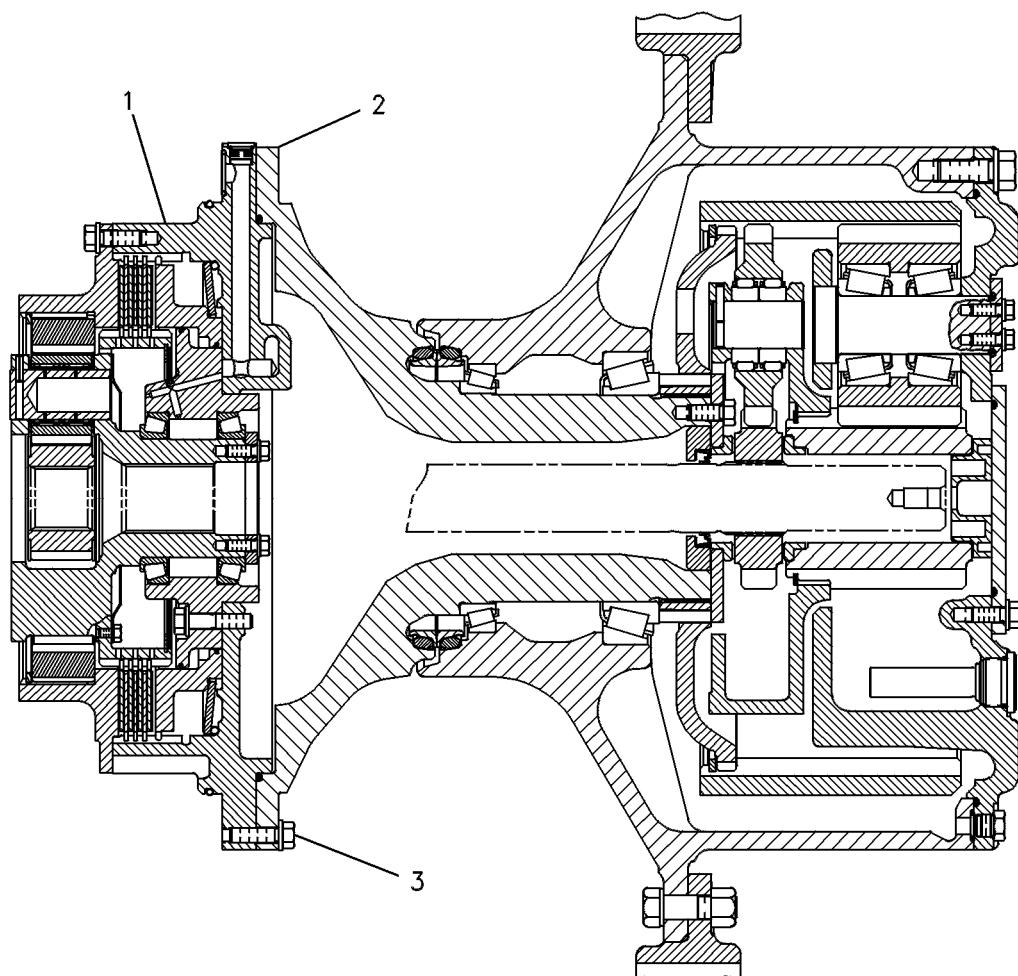
PLANETARY

SMCS-4050, 4132

i00755351

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
YR	1	1	6Y-3588	1	BRAKE & PLANETARY GP						436
Y	2	1	9W-9395	1	FINAL DRIVE GP						452
3	1		8T-8919	2	BOLT (1/2-13X1.75IN)						
	1		8T-4223	2	WASHER-HARD (3MM THK)						

R - REMFG PART MAY BE AVAILABLE  
Y - SEPARATE ILLUSTRATION



GRAPHIC #1

g00247114

# POWER TRAIN

## 157-5073 BRAKE & DRIVE GP

S/N: 9EM1226-UP

PLANETARY

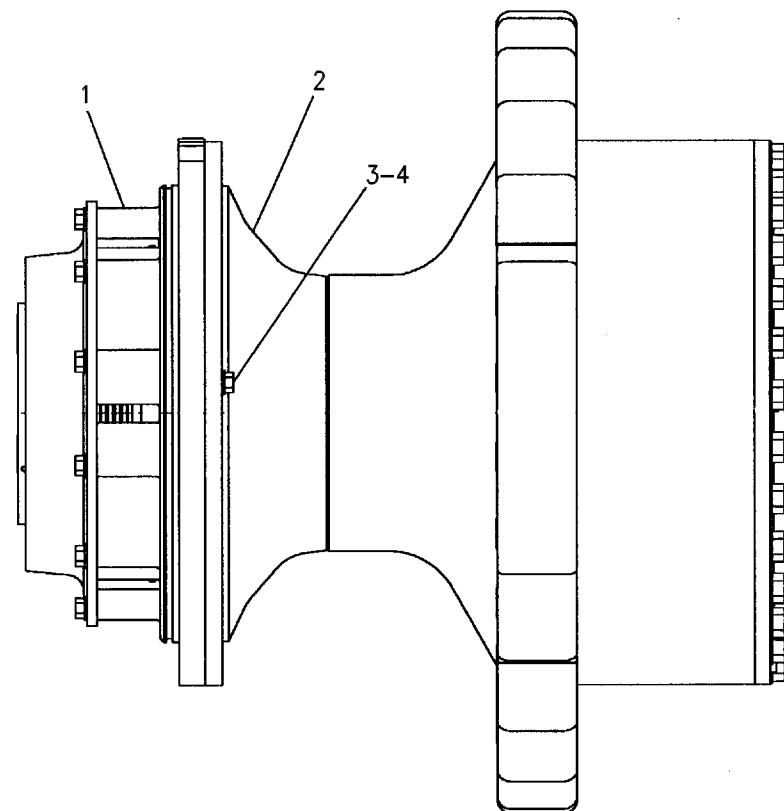
SMCS-4050, 4132

i01430440

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
YR	1	1	6Y-3588	1	BRAKE & PLANETARY GP							436
	2	1	8T-4223	2	WASHER-HARD (13.5X25.5X3MM THK)							
YR	3	1	157-5072	1	FINAL DRIVE GP							460
	4	1	8T-8919	2	BOLT (1/2-13X1.75 IN)							

R - REMFG PART MAY BE AVAILABLE

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

g00533505

# POWER TRAIN

## 159-2542 BRAKE & DRIVE GP

S/N: 9EM1226-UP

DIFFERENTIAL

SMCS-4050, 4132

i01431419

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
YR	6Y-3587	1	BRAKE & DIFFERENTIAL DRIVE GP						428
YR	157-5072	1	FINAL DRIVE GP						460
	8T-8919	2	BOLT (1/2-13X1.75 IN)						
	8T-4223	2	WASHER-HARD (13.5X25.5X3MM THK)						

R - REMFG PART MAY BE AVAILABLE

Y - SEPARATE ILLUSTRATION

# POWER TRAIN

## 6Y-3588 BRAKE & PLANETARY GP\*R

S/N: 9EM1-UP

PART OF 109-0138, 157-5073 BRAKE & DRIVE GP, 133-9140 GUARD AR-FINAL DRIVE  
ALSO AN ATTACHMENT

SMCS-4050, 4132

i00570481

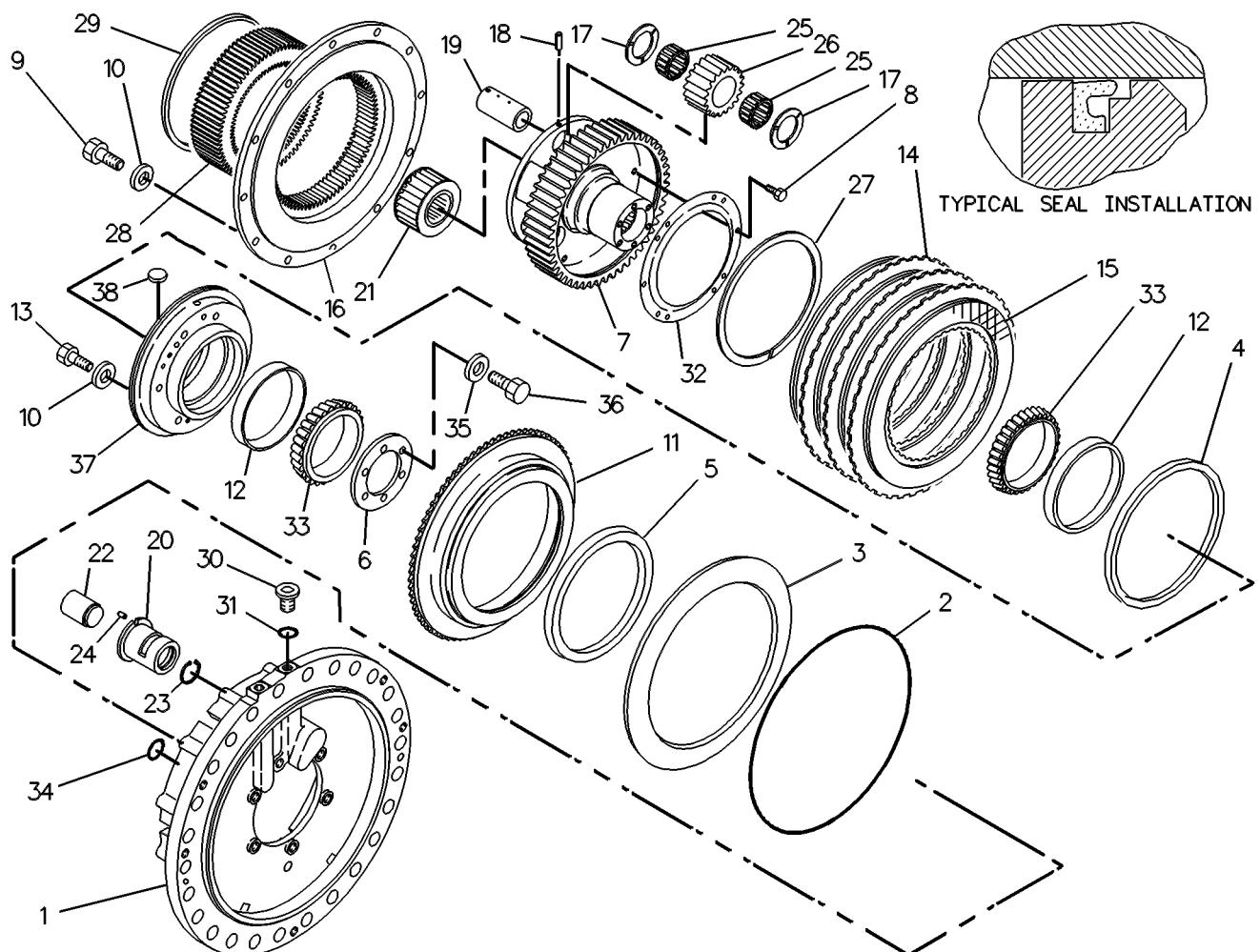
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		6Y-3981	1	HOUSING							
2	1		3T-3601	1	RING-SPACER							
3	1		6Y-2704	1	SPRING-DISC							
4	1		6P-5317	1	RING-SEAL							
5	1		6Y-4003	1	RING-SEAL							
6	1		7T-9837	1	PLATE							
7	1		6Y-3980	1	CARRIER-PLANETARY							
8	1		1C-0569	6	BOLT (5/16-18X.5IN)							
9	1		0S-1585	12	BOLT (1/2-13X1.50IN)							
10	1		5P-8245	18	WASHER (3MM THK)							
11	1		6Y-3986	1	PISTON							
12	1		9W-7926	2	CUP-ROLLER BEARING							
13	1		2B-0947	6	BOLT (1/2-13X2.25IN)							
14	1		7T-6994	3	PLATE-CLUTCH & BRAKE							
15	1		6Y-9373	4	DISC-FRICTION							
16	1		8E-4051	1	HUB-BRAKE							
17	1		8E-8307	6	DISC-THRUST							
18	1		3S-2708	3	PIN-SPRING							
19	1		7T-8136	3	SHAFT-PLANETARY							
20	1		6T-7863	1	SLEEVE							
21	1		9W-3940	1	GEAR AS (30 TEETH)							
22	1		9W-6577	1	SPOOL							
23	1		6J-7836	1	RING-SNAP							
24	1		6D-9953	1	PIN-SPRING							
25	1		5M-0578	6	BEARING							
26	1		9W-7481	3	GEAR (23 TEETH)							
27	1		7T-1885	1	RING							
28	1		8E-4052	1	GEAR-RING (75 TEETH)							
29	1		3W-1852	1	RING-RETAINER							
30	1		9S-8005	2	PLUG-O-RING (3/4-16 THD)							
31	1		3K-0360	2	SEAL-O-RING (16.36MM ID)							
32	1		3T-5807	1	SLINGER							
B	1		1U-8846		GASKET-LIQUID							
33	1		9W-7925	2	CONE-ROLLER BEARING							
34	1		8M-4438	1	SEAL-O-RING (17.12M ID)							
35	1		5M-2894	6	WASHER (2.5MM THK)							
36	1		1A-2029	6	BOLT (3/8-16X1.125IN)							
37	1		6Y-4039	1	RETAINER AS							
38	1		8S-0527	1	PLUG-CUP							

B-USE AS REQUIRED

# POWER TRAIN

6Y-3588 BRAKE & PLANETARY GP (contd.)

i00570481



GRAPHIC #1

g00257817

# POWER TRAIN

## 110-6056 CASE & PARTS GP-PLANETARY

S/N: 8YX1-UP

PART OF 105-8185 TRANSMISSION AR  
TYPE 1

SMCS-3064

i01322028

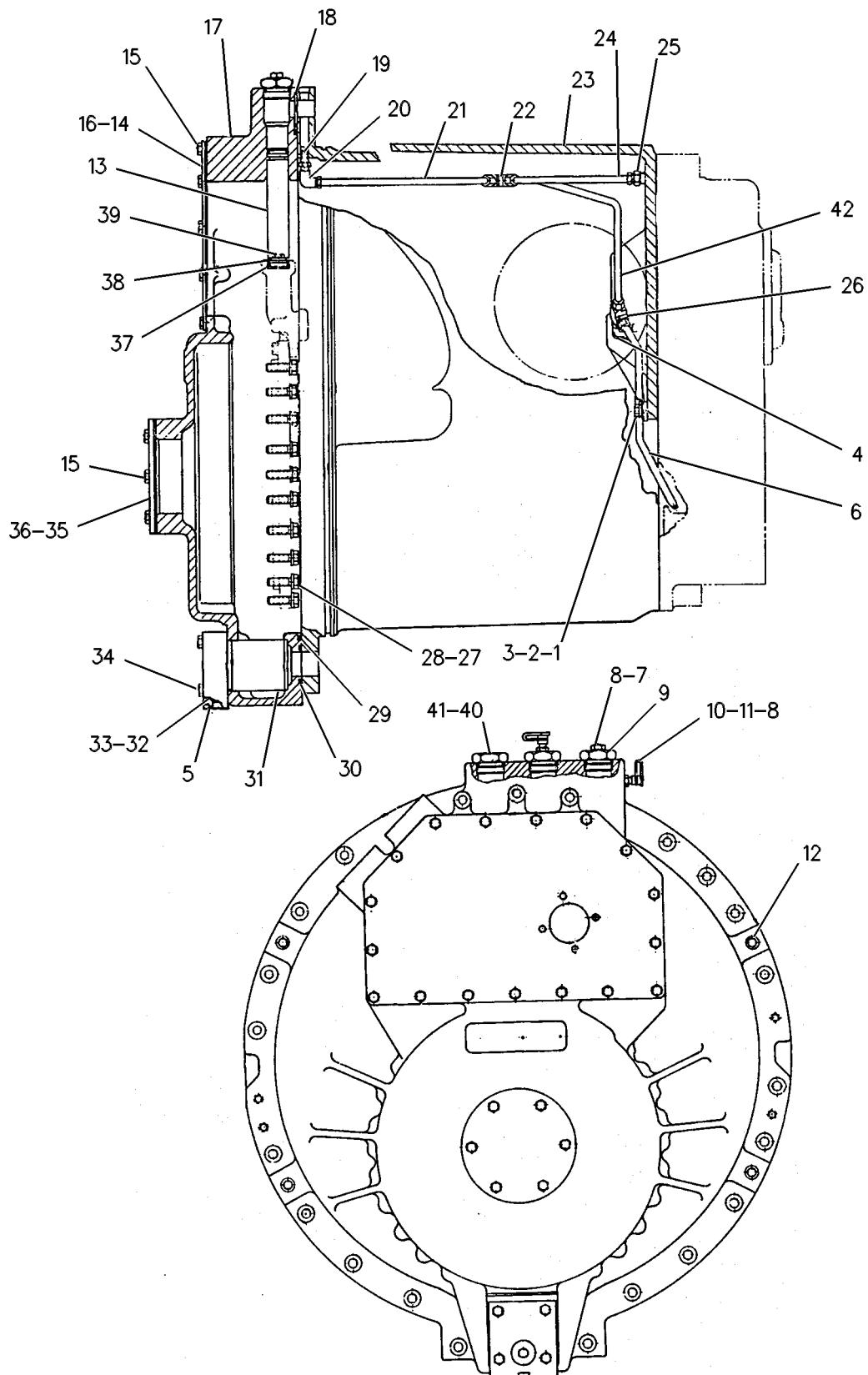
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		0T-0102	1	BOLT (3/8-16X0.625 IN)	
2	1		5M-2894	1	WASHER-HARD (2.5MM THK)	
3	1		8H-1603	1	CLIP (9.52MM ID)	
4	1		7J-8611	1	ELBOW (1/4-18 NPTF)	
5	1		2B-0858	1	PLUG-PIPE (1/2-14 NPTF)	
6	1		9W-4159	1	TUBE AS	
7	1		9S-4191	1	PLUG-O-RING (9/16-18 THD)	
8	1		3J-1907	3	SEAL-O-RING (11.89MM ID)	
9	1		8J-5914	2	PLUG-O-RING (9/16-18 THD)	
10	1		6V-3965	2	FITTING AS	
11	1		6V-0852	2	CAP-DUST	
12	1		8M-2530	4	BOLT-12 POINT HEAD (1/2-13X1.25 IN)	
13	1		9P-1475	1	SLEEVE	
14	1		3T-9921	1	COVER-TRANSMISSION CASE	
15	1		030-8535	23	BOLT-LOCKING (3/8-16X.875 IN)	
16	1		3T-9922	1	GASKET-COVER	
17	1		7G-6471	1	COVER-TRANSMISSION	
18	1		9M-9647	3	SEAL-O-RING (40.64MM ID)	
19	1		5P-8998	1	NIPPLE (1/4-18 NPTF THD)	
20	1		9S-7710	1	ELBOW-FLARED	
21	1		7T-8875	1	TUBE AS	
22	1		5K-9988	1	TEE-INVERTED FLARED	
23	1		7T-9133	1	CASE AS	
	1		0L-1156	1	PIN	
	1		1A-0646	1	DOWEL (12.3MM OD)	
	1		3F-3442	2	DOWEL (15.7MM OD X49MM LONG)	
	1		4B-9782	1	BALL (9.52MM DIA)	
	1		4B-9785	1	BALL	
24	1		7T-8876	1	TUBE AS	
25	1		5K-9246	1	CONNECTOR-FLARED	
26	1		6K-8498	1	TEE-FLARED	
27	1		5P-4057	21	SEAL-O-RING (760MM ID)	
28	1		0S-1585	21	BOLT (1/2-13X1.50 IN)	
29	1		5P-4057	1	SEAL-O-RING (760MM ID)	
30	1		8M-5661	1	SEAL-O-RING (47.22MM ID)	
31	1		8S-9130	1	SCREEN-SUCTION	
32	1		6L-9965	1	SEAL-O-RING (82.14MM ID)	
Y	33	1	106-4150	1	DRAIN GP-ECOLOGY	446
	34	1	8T-2501	4	BOLT (3/8-16X2.0 IN)	
	35	1	8P-0058	4	GASKET-COVER	
	36	1	9G-8615	1	COVER	
	37	1	8M-4432	2	SEAL-O-RING (26.57MM ID)	
	38	1	5K-5120	1	STRIP	
	39	1	031-0218	1	BOLT-LOCKING	
	40	1	9S-6130	1	PLUG-O-RING (1-5/8-12 THD)	
	41	1	2S-4078	3	SEAL-O-RING (37.46MM ID)	
	42	1	9W-5334	1	TUBE AS	

Y- SEPARATE ILLUSTRATION

# POWER TRAIN

110-6056 CASE & PARTS GP - PLANETARY (contd.)

i01322028



GRAPHIC #1

g00249026

# POWER TRAIN

## 110-6056 CASE & PARTS GP-PLANETARY

S/N: 8YX1-UP

PART OF 105-8185 TRANSMISSION AR  
TYPE 2

SMCS-3064

i01322039

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	2		0T-0102	1	BOLT (3/8-16X0.625 IN)	
2	2		5M-2894	1	WASHER-HARD (2.5MM THK)	
3	2		8H-1603	1	CLIP (9.52MM ID)	
4	2		7J-8611	1	ELBOW (1/4-18 NPTF)	
5	2		8T-6762	1	PLUG-PIPE (1/2-14 NPTF THD)	
6	2		9W-4159	1	TUBE AS	
7	1		9S-4191	1	PLUG-O-RING (9/16-18 THD)	
8	1		3J-1907	3	SEAL-O-RING (11.89MM ID)	
9	1		8J-5914	2	PLUG-O-RING (9/16-18 THD)	
10	1		6V-3965	2	FITTING AS	
11	1		6V-0852	2	CAP-DUST	
12	1		8M-2530	4	BOLT-12 POINT HEAD (1/2-13X1.25 IN)	
13	2		9P-1475	1	SLEEVE	
14	2		3T-9921	1	COVER-TRANSMISSION CASE	
15	2		030-8535	23	BOLT-LOCKING (3/8-16X.875 IN)	
16	2		3T-9922	1	GASKET-COVER	
17	2		7G-6471	1	COVER-TRANSMISSION	
18	2		9M-9647	3	SEAL-O-RING (40.64MM ID)	
19	2		5P-8998	1	NIPPLE (1/4-18 NPTF THD)	
20	2		9S-7710	1	ELBOW-FLARED	
21	2		7T-8875	1	TUBE AS	
22	2		5K-9988	1	TEE-INVERTED FLARED	
23	2		9W-5334	1	TUBE AS	
24	2		7T-8876	1	TUBE AS	
25	2		5K-9246	1	CONNECTOR-FLARED	
26	2		6K-8498	1	TEE-FLARED	
27	2		5P-8245	21	WASHER-HARD (3MM THK)	
28	2		0S-1585	21	BOLT (1/2-13X1.50 IN)	
29	2		5P-4057	1	SEAL-O-RING (760MM ID)	
30	2		8M-5661	1	SEAL-O-RING (47.22MM ID)	
31	2		8S-9130	1	SCREEN-SUCTION	
32	2		6L-9965	1	SEAL-O-RING (82.14MM ID)	
Y	33	2	106-4150	1	DRAIN GP-ECOLOGY	446
	34	2	8T-2501	4	BOLT (3/8-16X2.0 IN)	
	35	2	8P-0058	1	GASKET-COVER	
	36	2	9G-8615	1	COVER	
	37	2	8M-4432	2	SEAL-O-RING (26.57MM ID)	
	38	2	5K-5120	1	STRIP	
	39	2	031-0218	1	BOLT-LOCKING	
	40	1	9S-6130	1	PLUG-O-RING (1-5/8-12 THD)	
	41	1	2S-4078	3	SEAL-O-RING (37.46MM ID)	
C	42	2	190-2278	1	CASE AS	
	43	2	4B-9785	1	BALL	
	44	2	1A-2610	1	DOWEL (38MM OAL)	
	45	2	7M-1201	1	DOWEL (51MM OAL)	
	46	2	3F-3442	2	DOWEL (15.7MM OD X49MM LONG)	
	47	2	4B-9782	1	BALL (9.52MM DIA)	
	48	1	146-6669	1	GASKET	
	49	1	146-6670	1	COVER	
	50	1	9X-6458	6	WASHER-HARD (3MM THK)	
	51	1	0S-1594	6	BOLT (3/8-16X1 IN)	

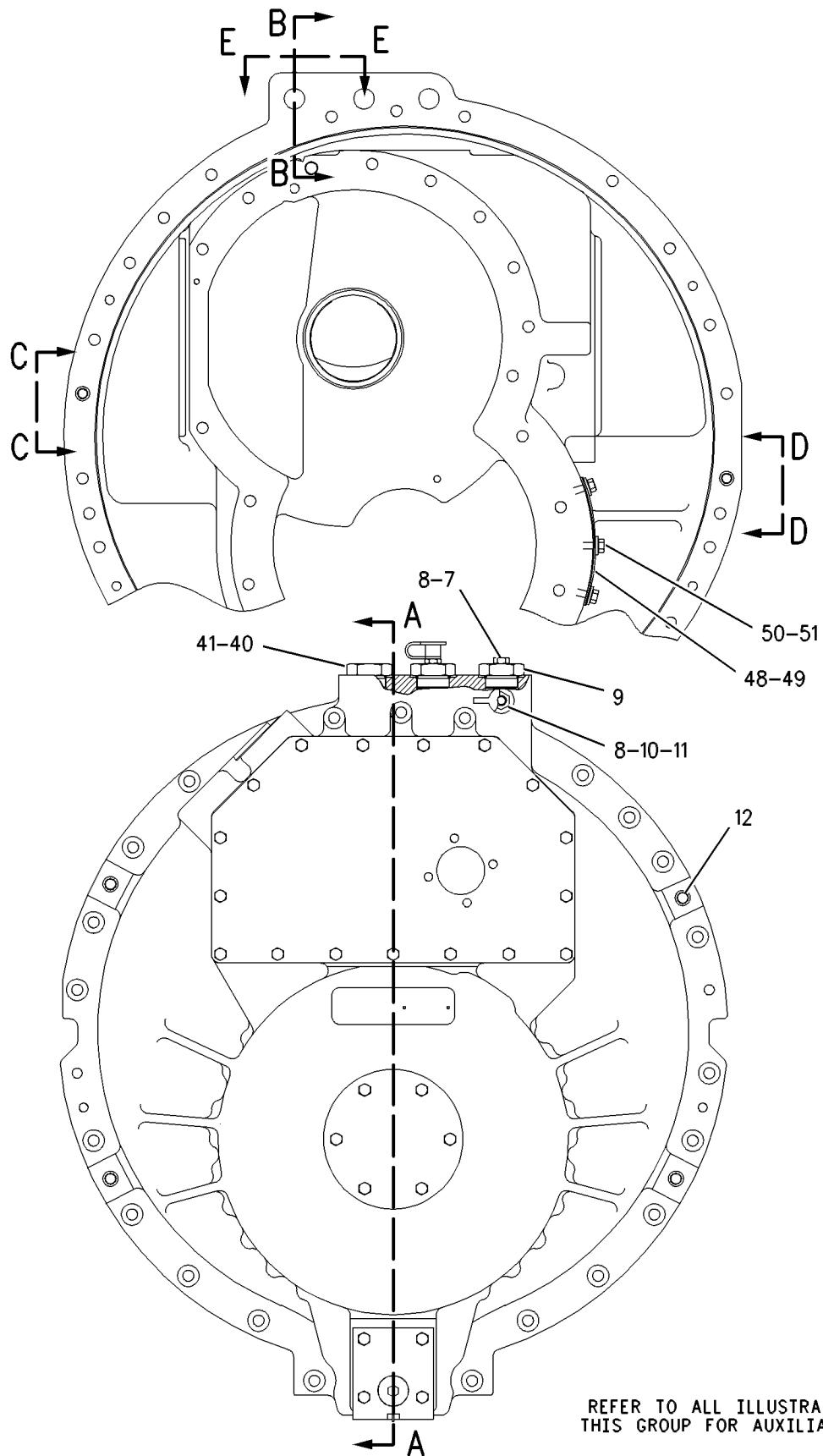
C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION

# POWER TRAIN

110-6056 CASE & PARTS GP - PLANETARY (contd.)

i01322039



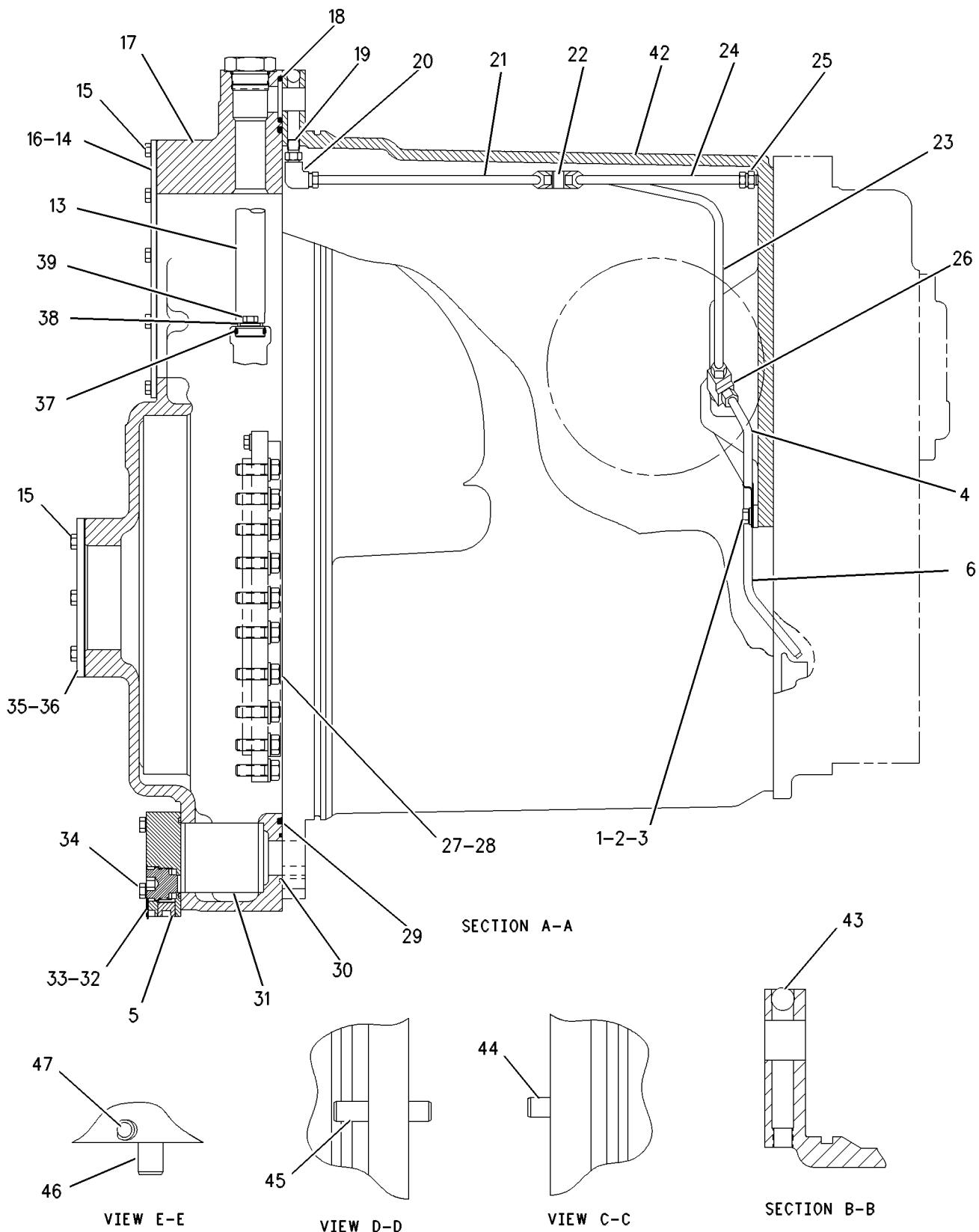
GRAPHIC #1

g00471036

# POWER TRAIN

110-6056 CASE & PARTS GP-PLANETARY (contd.)

i01322039



GRAPHIC #2

g00471067

# POWER TRAIN

## 8E-5116 CONTROL GP - TRANSMISSION HYD

S/N: 8YX1-UP

PART OF 105-8185 TRANSMISSION AR

SMCS-3073

i00570469

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
CY	1	1	106-8094	1	VALVE GP - TRANSMISSION CONTROL (HYD SHIFT)	535
	2	1	5F-4899	4	BOLT (3/8-16X5.5IN)	
		1	5M-2894	4	WASHER (2.5MM THK)	
	3	1	OL-1351	4	BOLT (3/8-16X.875IN)	
	4	1	3T-4403	2	SPRING	
	5	1	9G-2461	1	ADAPTER	
	6	1	9P-1480	2	SLEEVE	
	7	1	8M-4432	4	SEAL-O-RING	
	8	1	8E-5128	1	MANIFOLD AS	
		1	4H-4737	2	PIN-SPRING	
		1	8P-0311	2	SHAFT-GOVERNOR CONTROL	
	9	1	1D-4539	4	BOLT (5/16-18X2.5IN)	
		1	9M-1974	4	WASHER-HARD (2MM THK)	
	10	1	2J-4672	1	GASKET	
	11	1	4H-1394	4	WASHER (1.2MM THK)	
	12	1	9P-5977	2	LEVER AS (EACH INCLUDES)	
		1	2H-3429	2	RING-RETAINING	
		1	8H-8175	1	BEARING	
		1	9P-6217	1	DOWEL	
	13	1	6S-6646	2	PIN	
	14	1	8M-4986	2	SEAL-O-RING (37.69MM ID)	
BE	15	1	9G-2460	1	SLEEVE	
C	16	1	6V-4365	4	SEAL-O-RING (9.19MM ID)	
BE	17	1	9G-2459	1	SLEEVE	
	18	1	9S-4191	2	PLUG-O-RING (9/16-18 THD)	
		1	3J-1907	2	SEAL-O-RING (11.89MM ID)	

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

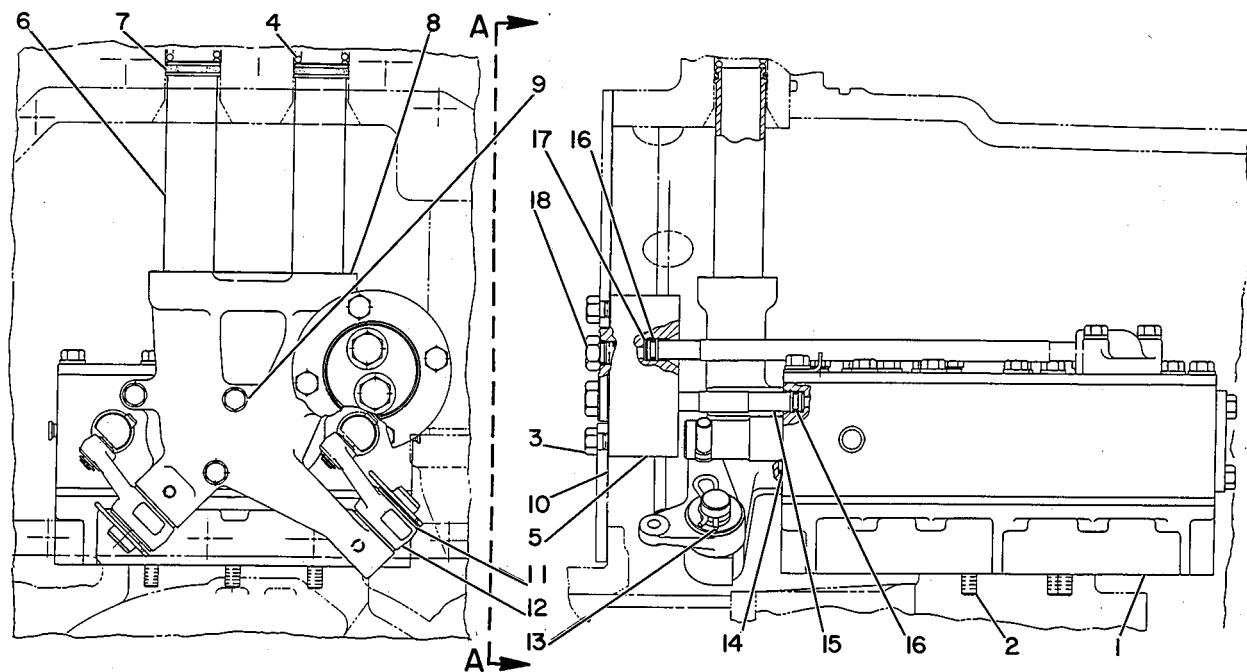
E-ORDER BY THE CENTIMETER

Y-SEPARATE ILLUSTRATION

# POWER TRAIN

8E-5116 CONTROL GP - TRANSMISSION HYD (contd.)

i00570469



# POWER TRAIN

## 106-4150 DRAIN GP-ECOLOGY

S/N: 8YX1-UP

ECOLOGY

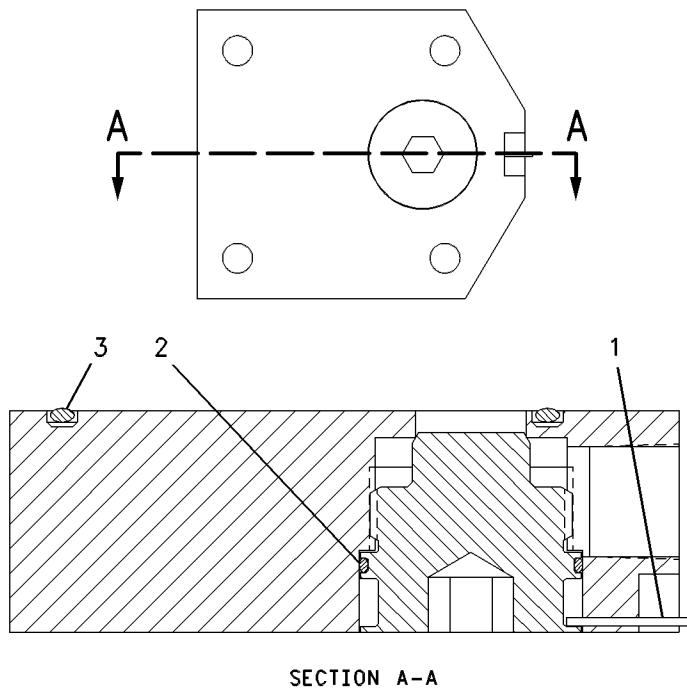
PART OF 110-6056 CASE & PARTS GP-PLANETARY

SMCS-3100

i01065592

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		4N-3808	1	PIN-SPRING						
2	1		5P-9658	1	SEAL-O-RING						
A	3	1	2H-3931	1	SEAL-O-RING (82.14MM ID)						

A-NOT PART OF THIS GROUP



SECTION A-A

GRAPHIC #1

g00543496

# POWER TRAIN

## 155-5748 FILTER GP-OIL

S/N: 9EM783-UP

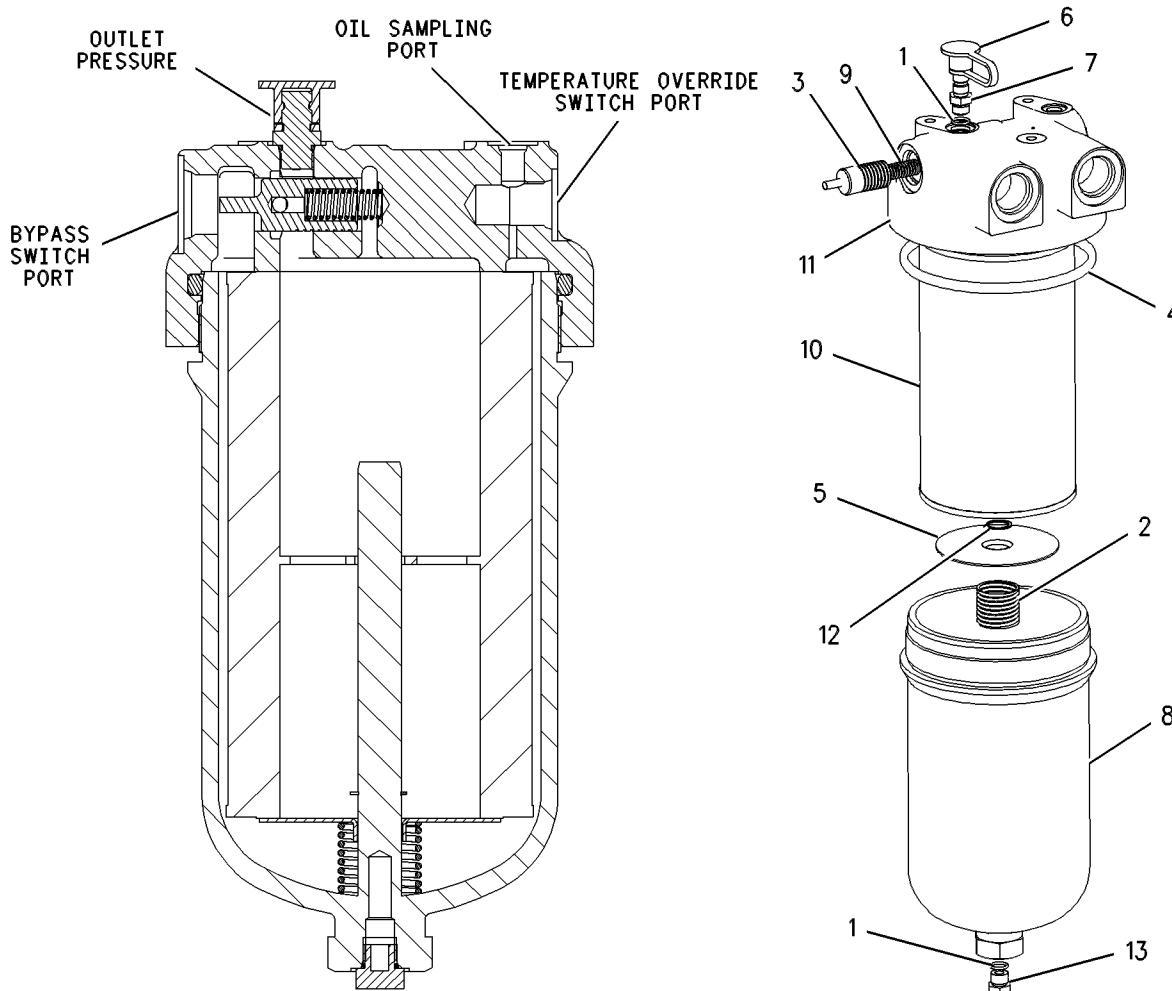
PART OF 6Y-3517 LINES GP-POWER TRAIN OIL

SMCS-3004

i01220253

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		3J-1907	2	SEAL-O-RING (11.89MM ID)						
2	1		3S-8652	1	SPRING						
3	1		3T-0688	1	SPOOL						
4	1		5P-3620	1	SEAL-O-RING (148.59MM ID)						
5	1		6P-5332	1	RETAINER						
6	1		6V-0852	1	CAP-DUST						
7	1		6V-3965	1	FITTING AS						
8	1		9G-8629	1	HOUSING AS-OIL FILTER						
9	1		9M-1986	1	SPRING						
10	1		1R-0741	1	FILTER ELEMENT AS-HYDRAULIC (DISPOSABLE) -OR-						
A	1		4T-3132	1	FILTER ELEMENT AS-HYDRAULIC (FIRE RESISTANT FLUID) -OR-						
A	1		132-8876	1	FILTER ELEMENT AS-HYDRAULIC (HIGH PERFORMANCE)						
12	1		2J-6356	1	RING-RETAINING						
13	1		9S-4191	1	PLUG-O-RING (9/16-18 THD)						

A-NOT PART OF THIS GROUP



GRAPHIC #1

g00617435

# POWER TRAIN

## 1Q-3054 FINAL DRIVE GP

S/N: 9EM1-UP

PART OF 1Z-0846 GAUGE AR  
AN ATTACHMENT  
TYPE 1

**SMCS-4050**

**i01323236**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
					2	
					3	
					4	
					5	
					6	
	1	1	<b>131-1289</b>	1	SPINDLE	
	2	1	<b>6Y-0860</b>	1	SEAL GP-DUO-CONE	
	3	1	<b>6V-0663</b>	1	CONE-ROLLER BEARING	
	4	1	<b>6V-0662</b>	1	CUP-ROLLER BEARING	
	5	1	<b>6V-0664</b>	1	CONE-ROLLER BEARING	
	6	1	<b>5F-2465</b>	1	CUP-ROLLER BEARING	
	7	1	<b>5K-8454</b>	15	BOLT (1/2-13X1.12 IN)	
	8	1	<b>8E-7533</b>	4	SHAFT-PLANETARY (21 TEETH)	
	9	1	<b>8E-2481</b>	1	HUB-SPROCKET	
	10	1	<b>8E-7534</b>	4	RETAINER	
C	11	1	<b>157-5075</b>	4	GEAR (21 TEETH)	
	12	1	<b>1M-7912</b>	8	CONE-ROLLER BEARING	
	13	1	<b>9W-9393</b>	1	GEAR (62 TEETH)	
	14	1	<b>9W-3372</b>	4	GEAR (21 TEETH)	
	15	1	<b>7T-9526</b>	8	CONE-ROLLER BEARING	
	16	1	<b>7T-9527</b>	8	CUP-ROLLER BEARING	
	17	1	<b>7X-0366</b>	29	BOLT (3/4-10X2 IN)	
	18	1	<b>8T-4994</b>	29	WASHER-HARD (5MM THK)	
	19	1	<b>9H-0846</b>	1	SEAL-O-RING (494.66MM ID)	
	20	1	<b>9W-3377</b>	4	SHAFT-GOVERNOR CONTROL	
	21	1	<b>3D-2895</b>	4	SEAL-QUAD RING	
	22	1	<b>9W-3378</b>	4	COVER	
	23	1	<b>034-3557</b>	16	BOLT-LOCKING (3/8-16X1.125 IN)	
	24	1	<b>8T-4896</b>	8	WASHER-HARD (10.2X18.5X2.5MM THK)	
	25	1	<b>8J-1665</b>	1	SEAL-O-RING (164.46MM ID)	
	26	1	<b>9W-3373</b>	1	GEAR (18 TEETH)	
	27	1	<b>9W-3232</b>	1	RETAINER	
	28	1	<b>9W-9394</b>	1	COVER	
	29	1	<b>8T-8917</b>	4	BOLT (1/2-13X1.25 IN)	
	30	1	<b>8T-4223</b>	4	WASHER-HARD (3MM THK)	
	31	1	<b>9W-9392</b>	1	CARRIER-PLANETARY	
	32	1	<b>6V-3298</b>	1	PLUG-MAGNETIC	
	33	1	<b>2S-4078</b>	1	SEAL-O-RING (37.46MM ID)	
	34	1	<b>9S-4185</b>	1	PLUG-O-RING (3/4-16 THD)	
	35	1	<b>3K-0360</b>	1	SEAL-O-RING (16.36MM ID)	
	36	1	<b>5F-7054</b>	1	SEAL-O-RING (18.6MM ID)	
	37	1	<b>6Y-1336</b>	1	CARRIER-PLANETARY	
	38	1	<b>5P-8472</b>	1	RING-RETAINING	
	39	1	<b>7T-2524</b>	1	GEAR (18 TEETH)	
	40	1	<b>7T-2530</b>	2	RING-THRUST	
	41	1	<b>7G-5832</b>	1	RETAINER	
	42	1	<b>7G-5831</b>	1	RING-RETAINING	
	43	1	<b>8E-7532</b>	1	HUB-REACTION	
	44	1	<b>3T-5923</b>	1	RETAINER	
	45	1	<b>6T-2173</b>	15	PIN	
	46	1	<b>7X-4777</b>	1	SEAL-LIP	
	47	1	<b>2R-0098</b>	1	SEAL-O-RING	
Y	48	1	<b>6Y-3928</b>	1	SEGMENT GP-SPROCKET	500
	49	1	<b>1M-7911</b>	8	CUP-ROLLER BEARING	

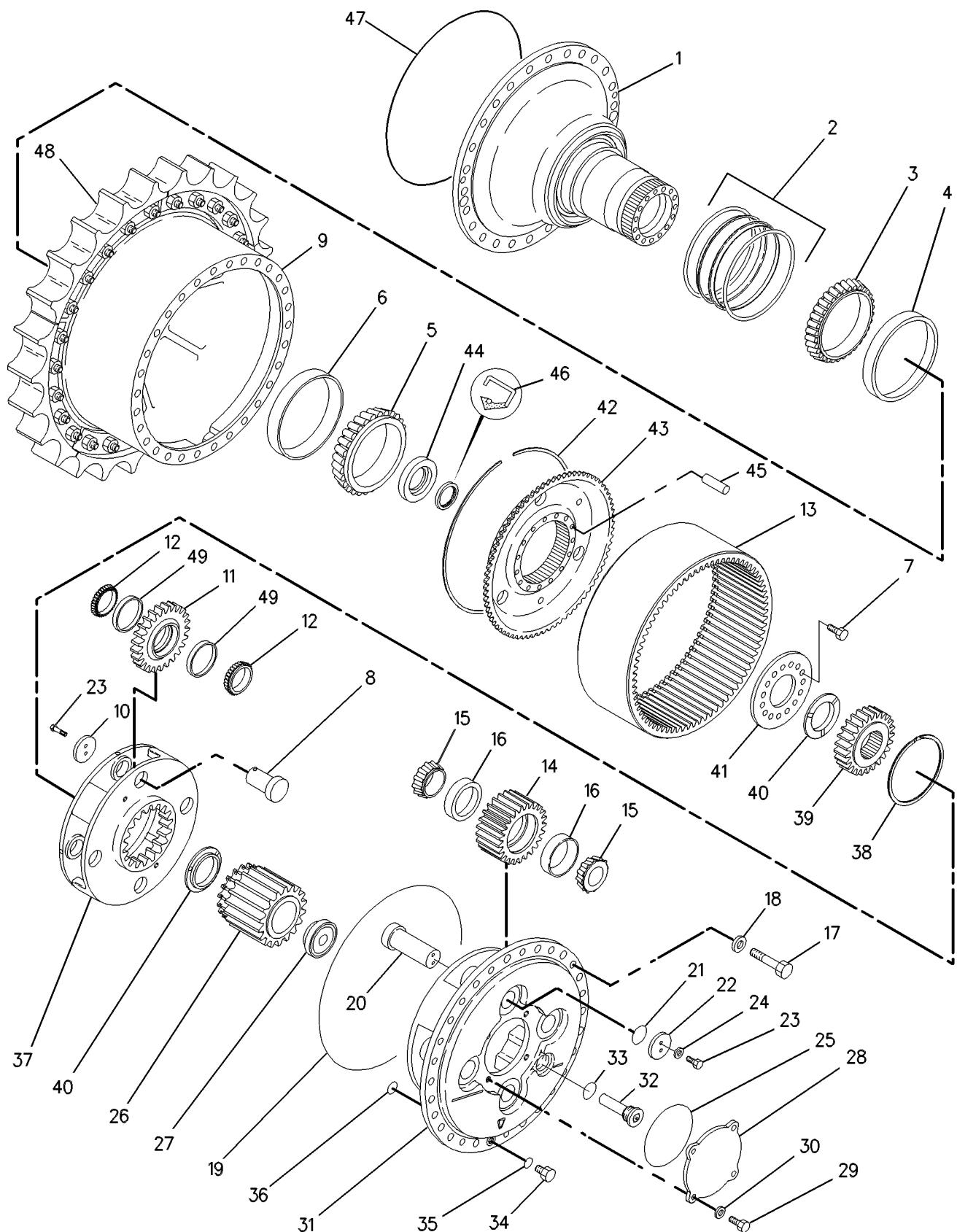
C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION

# POWER TRAIN

1Q-3054 FINAL DRIVE GP (contd.)

i01323236



GRAPHIC #1

g00588136

# POWER TRAIN

## 1Q-3054 FINAL DRIVE GP

S/N: 9EM1-UP

PART OF 1Z-0846 GAUGE AR  
AN ATTACHMENT  
TYPE 2

**SMCS-4050**

**i01502475**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		<b>131-1289</b>	1	SPINDLE							
2	1		<b>6Y-0860</b>	1	SEAL GP-DUO-CONE							
3	1		<b>6V-0663</b>	1	CONE-ROLLER BEARING							
4	1		<b>6V-0662</b>	1	CUP-ROLLER BEARING							
5	1		<b>6V-0664</b>	1	CONE-ROLLER BEARING							
6	1		<b>5F-2465</b>	1	CUP-ROLLER BEARING							
7	1		<b>5K-8454</b>	15	BOLT (1/2-13X1.12 IN)							
8	1		<b>8E-7533</b>	4	SHAFT-PLANETARY (21 TEETH)							
9	1		<b>8E-2481</b>	1	HUB-SPROCKET							
10	1		<b>8E-7534</b>	4	RETAINER							
11	1		<b>157-5075</b>	4	GEAR (21 TEETH)							
12	1		<b>1M-7912</b>	8	CONE-ROLLER BEARING							
13	1		<b>9W-9393</b>	1	GEAR (62 TEETH)							
14	1		<b>9W-3372</b>	4	GEAR (21 TEETH)							
15	1		<b>7T-9526</b>	8	CONE-ROLLER BEARING							
16	1		<b>7T-9527</b>	8	CUP-ROLLER BEARING							
17	1		<b>7X-0366</b>	29	BOLT (3/4-10X2 IN)							
18	1		<b>8T-4994</b>	29	WASHER-HARD (20X36.5X3.5MM THK)							
19	1		<b>9H-0846</b>	1	SEAL-O-RING							
20	1		<b>9W-3377</b>	4	SHAFT-GOVERNOR CONTROL							
21	1		<b>3D-2895</b>	4	SEAL-QUAD RING							
22	1		<b>9W-3378</b>	4	COVER							
23	1		<b>034-3557</b>	16	BOLT-LOCKING (3/8-16X1.125 IN)							
24	1		<b>8T-4896</b>	8	WASHER-HARD (10.2X18.5X2.5MM THK)							
25	1		<b>8J-1665</b>	1	SEAL-O-RING							
26	1		<b>9W-3373</b>	1	GEAR (18 TEETH)							
27	1		<b>9W-3232</b>	1	RETAINER							
28	1		<b>9W-9394</b>	1	COVER							
29	1		<b>8T-8917</b>	4	BOLT (1/2-13X1.25 IN)							
30	1		<b>8T-4223</b>	4	WASHER-HARD (13.5X25.5X3MM THK)							
31	1		<b>9W-9392</b>	1	CARRIER-PLANETARY							
32	1		<b>6V-3298</b>	1	PLUG-MAGNETIC							
33	1		<b>2S-4078</b>	1	SEAL-O-RING							
34	1		<b>9S-4185</b>	1	PLUG-O-RING							
35	1		<b>3K-0360</b>	1	SEAL-O-RING							
36	1		<b>5F-7054</b>	1	SEAL-O-RING							
37	1		<b>6Y-1336</b>	1	CARRIER-PLANETARY							
38	1		<b>5P-8472</b>	1	RING-RETAINING							
39	1		<b>7T-2524</b>	1	GEAR (18 TEETH)							
40	1		<b>7T-2530</b>	2	RING-THRUST							
41	1		<b>7G-5832</b>	1	RETAINER							
42	1		<b>7G-5831</b>	1	RING-RETAINING							
43	1		<b>8E-7532</b>	1	HUB-REACTION							
44	1		<b>3T-5923</b>	1	RETAINER							
45	1		<b>6T-2173</b>	15	PIN							
46	1		<b>7X-4777</b>	1	SEAL-LIP							
47	1		<b>2R-0098</b>	1	SEAL-O-RING							
CY	48	1	<b>156-5341</b>	1	SEGMENT GP-SPROCKET							501
	49	1	<b>1M-7911</b>	8	CUP-ROLLER BEARING							

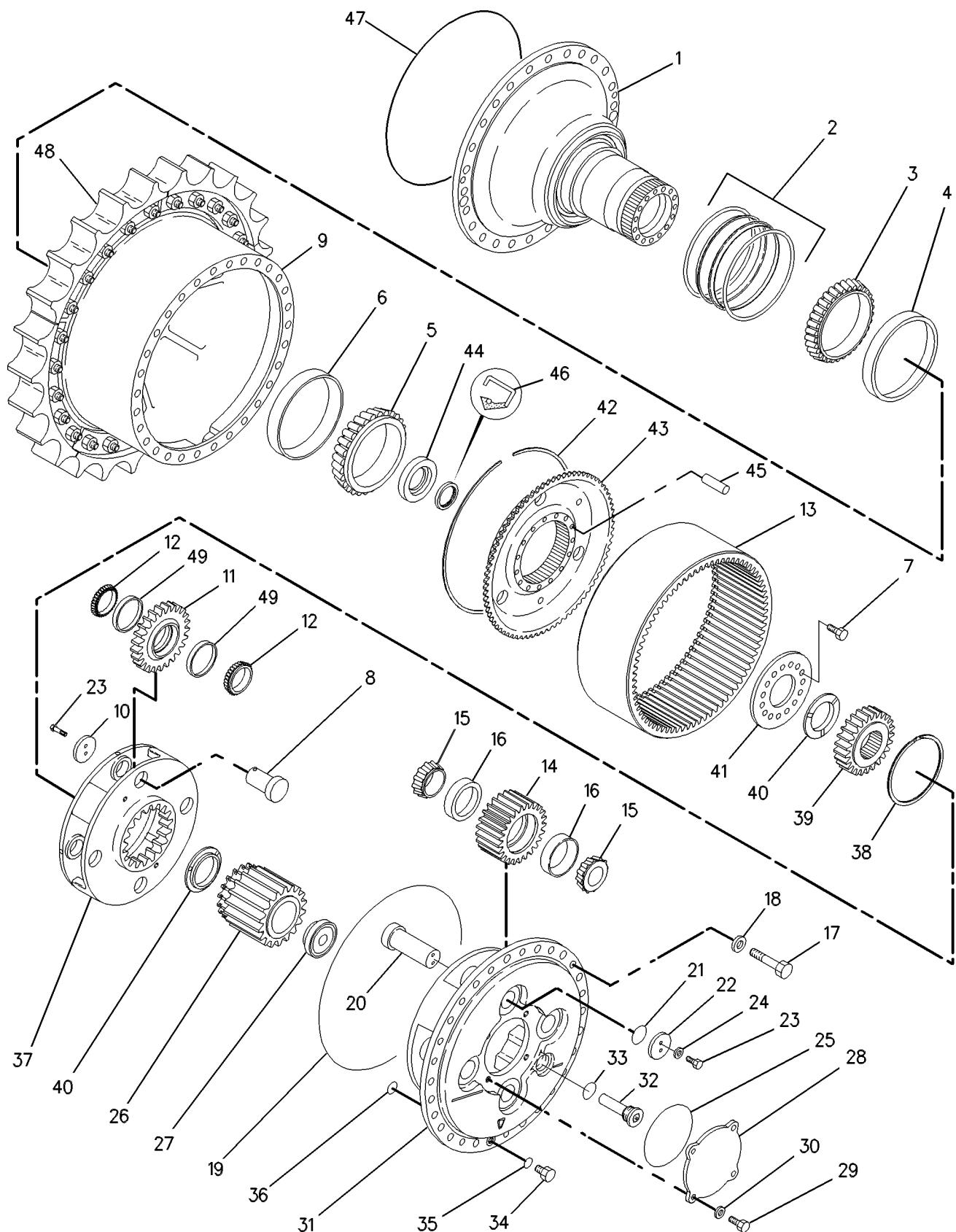
C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION

# POWER TRAIN

1Q-3054 FINAL DRIVE GP (contd.)

i01502475



GRAPHIC #1

g00588136

# POWER TRAIN

## 9W-9395 FINAL DRIVE GP

S/N: 9EM1-UP

PART OF 109-0137, 109-0138 BRAKE & DRIVE GP

**SMCS-4050**

**i00571973**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
R	1	1	7T-8001	1	HUB-SPROCKET						
	2	1	6Y-0860	1	SEAL GP-DUO-CONE						
		1	1M-9011	2	RING-SEALING						
	3	1	6V-0663	1	CONE-ROLLER BEARING						
	4	1	6V-0662	1	CUP-ROLLER BEARING						
	5	1	6V-0664	1	CONE-ROLLER BEARING						
	6	1	5F-2465	1	CUP-ROLLER BEARING						
	7	1	5K-8454	15	BOLT (1/2-13X1.12IN)						
C	8	1	8E-7533	4	SHAFT-PLANETARY						
	9	1	8E-2481	1	HUB-SPROCKET						
Y	10	1	6Y-3928	1	SEGMENT GP-SPROCKET						500
C	11	1	1M-7911	8	CUP-ROLLER BEARING						
C	12	1	6Y-1343	4	GEAR-PLANETARY (21 TEETH)						
C	13	1	1M-7912	8	CONE-ROLLER BEARING						
	14	1	9W-9393	1	GEAR (62 TEETH)						
	15	1	9W-3372	4	GEAR (21 TEETH)						
	16	1	7T-9526	8	CONE-ROLLER BEARING						
	17	1	7T-9527	8	CUP-ROLLER BEARING						
	18	1	7X-0366	29	BOLT (3/4-10X2IN)						
	19	1	8T-4994	29	WASHER (5MM THK)						
	20	1	9H-0846	1	SEAL-O-RING (494.66MM ID)						
	21	1	9W-3377	4	SHAFT-GOVERNOR CONTROL						
	22	1	3D-2895	4	SEAL-QUAD RING						
	23	1	9W-3378	4	COVER						
C	24	1	034-3557	16	BOLT-LOCKING (3/8-16X1.125IN)						
	25	1	8T-4896	8	WASHER-HARD (2.5MM THK)						
	26	1	8J-1665	1	SEAL-O-RING						
	27	1	9W-3373	1	GEAR (18 TEETH)						
	28	1	9W-3232	1	RETAINER						
	29	1	9W-9394	1	COVER						
	30	1	8T-8917	4	BOLT (1/2-13X1.25IN)						
	31	1	8T-4223	6	WASHER-HARD (3MM THK)						
	32	1	9W-9392	1	CARRIER-PLANETARY						
	33	1	6V-3298	1	PLUG-MAGNETIC						
	34	1	2S-4078	1	SEAL-O-RING (37.46MM ID)						
	35	1	9S-4185	1	PLUG-O-RING (3/4-16 THD)						
	36	1	3K-0360	1	SEAL-O-RING (16.36MM ID)						
	37	1	5F-7054	1	SEAL-O-RING (18.6MM ID)						
C	38	1	6Y-1336	1	CARRIER-PLANETARY						
	39	1	5P-8472	1	RING-RETAINING						
	40	1	7T-2524	1	GEAR (18 TEETH)						
	41	1	7T-2530	2	RING-THRUST						
	42	1	7G-5832	1	RETAINER						
	43	1	7G-5831	1	RING-RETAINING						
C	44	1	8E-7532	1	HUB-REACTION						
	45	1	3T-5923	1	RETAINER						
	46	1	6T-2173	15	PIN						
	47	1	7X-4777	1	SEAL-LIP						
	48	1	2R-0098	1	SEAL-O-RING						
	49	1	5P-2566	2	BOLT (1/2-13X1.50IN)						
C	50	1	6Y-1337	4	LOCKRING						
C	51	1	8E-7534	4	RETAINER						

C-CHANGE FROM PREVIOUS TYPE

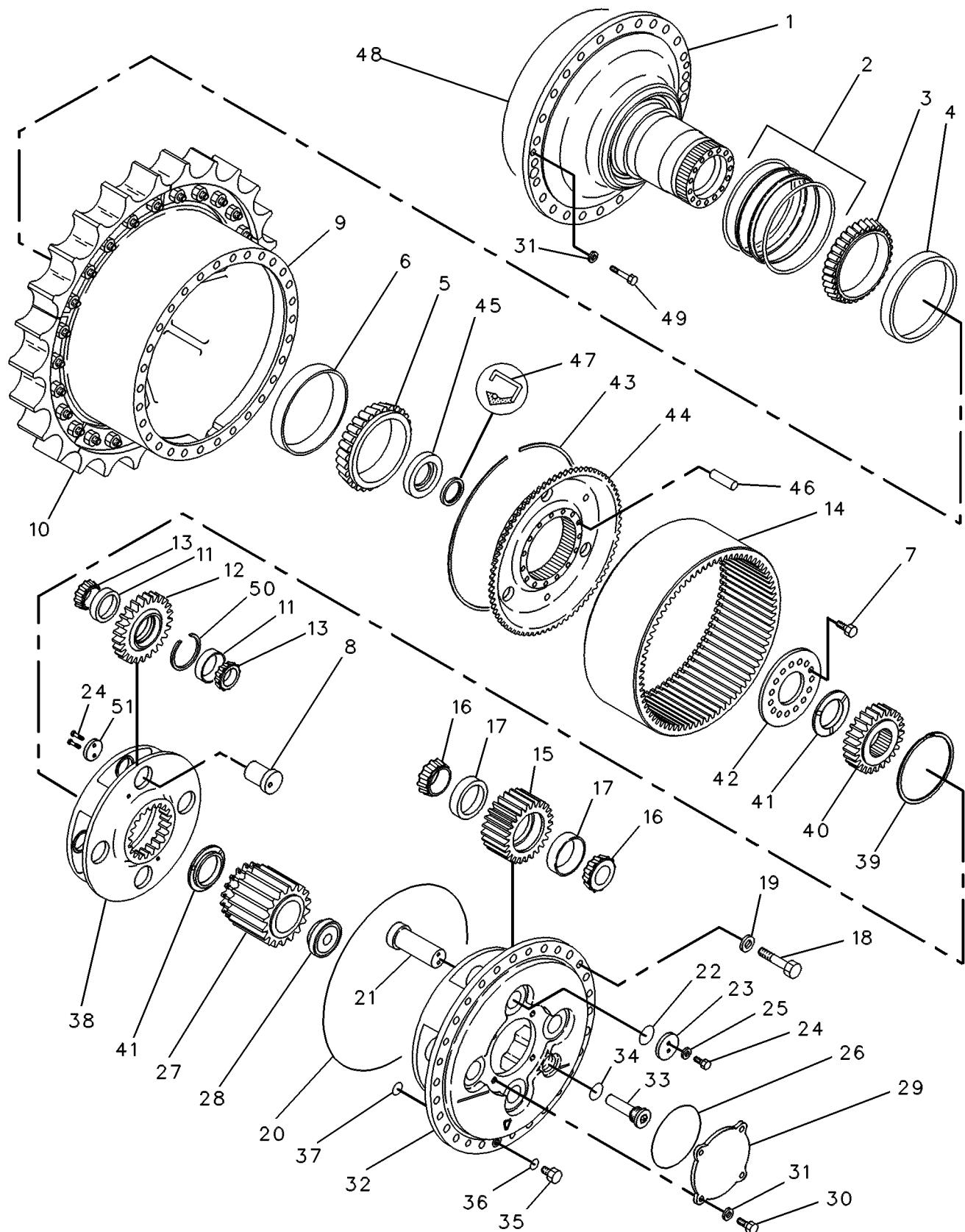
R-REMFG PART MAY BE AVAILABLE

Y-SEPARATE ILLUSTRATION

# POWER TRAIN

9W-9395 FINAL DRIVE GP (contd.)

i00571973



GRAPHIC #1

g00247237

# POWER TRAIN

## 9W-9395 FINAL DRIVE GP

S/N: 9EM1-1225

PART OF 109-0137, 109-0138 BRAKE & DRIVE GP

**SMCS-4050**

**i01321372**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
R	1	1	7T-8001	1	HUB-SPINDLE							
	2	1	6Y-0860	1	SEAL GP-DUO-CONE							
		1	1M-9011	2	RING-SEALING							
	3	1	6V-0663	1	CONE-ROLLER BEARING							
	4	1	6V-0662	1	CUP-ROLLER BEARING							
	5	1	6V-0664	1	CONE-ROLLER BEARING							
	6	1	5F-2465	1	CUP-ROLLER BEARING							
	7	1	5K-8454	15	BOLT (1/2-13X1.12 IN)							
	8	1	8E-7533	4	SHAFT-PLANETARY (21 TEETH)							
	9	1	8E-2481	1	HUB-SPROCKET							
Y	10	1	6Y-3928	1	SEGMENT GP-SPROCKET							500
	11	1	1M-7911	8	CUP-ROLLER BEARING							
C	12	1	157-5075	4	GEAR (21 TEETH)							
	13	1	1M-7912	8	CONE-ROLLER BEARING							
	14	1	9W-9393	1	GEAR (62 TEETH)							
	15	1	9W-3372	4	GEAR (21 TEETH)							
	16	1	7T-9526	8	CONE-ROLLER BEARING							
	17	1	7T-9527	8	CUP-ROLLER BEARING							
	18	1	7X-0366	29	BOLT (3/4-10X2 IN)							
	19	1	8T-4994	29	WASHER-HARD (5MM THK)							
	20	1	9H-0846	1	SEAL-O-RING (494.66MM ID)							
	21	1	9W-3377	4	SHAFT-GOVERNOR CONTROL							
	22	1	3D-2895	4	SEAL-QUAD RING							
	23	1	9W-3378	4	COVER							
	24	1	034-3557	16	BOLT-LOCKING (3/8-16X1.125 IN)							
	25	1	8T-4896	8	WASHER-HARD (10.2X18.5X2.5MM THK)							
	26	1	8J-1665	1	SEAL-O-RING (164.46MM ID)							
	27	1	9W-3373	1	GEAR (18 TEETH)							
	28	1	9W-3232	1	RETAINER							
	29	1	9W-9394	1	COVER							
	30	1	8T-8917	4	BOLT (1/2-13X1.25 IN)							
	31	1	8T-4223	6	WASHER-HARD (3MM THK)							
	32	1	9W-9392	1	CARRIER-PLANETARY							
	33	1	6V-3298	1	PLUG-MAGNETIC							
	34	1	2S-4078	1	SEAL-O-RING (37.46MM ID)							
	35	1	9S-4185	1	PLUG-O-RING (3/4-16 THD)							
	36	1	3K-0360	1	SEAL-O-RING (16.36MM ID)							
	37	1	5F-7054	1	SEAL-O-RING (18.6MM ID)							
	38	1	6Y-1336	1	CARRIER-PLANETARY							
	39	1	5P-8472	1	RING-RETAINING							
	40	1	7T-2524	1	GEAR (18 TEETH)							
	41	1	7T-2530	2	RING-THRUST							
	42	1	7G-5832	1	RETAINER							
	43	1	7G-5831	1	RING-RETAINING							
	44	1	8E-7532	1	HUB-REACTION							
	45	1	3T-5923	1	RETAINER							
	46	1	6T-2173	15	PIN							
	47	1	7X-4777	1	SEAL-LIP							
	48	1	2R-0098	1	SEAL-O-RING							
	49	1	5P-2566	2	BOLT (1/2-13X1.50 IN)							
	50	1	8E-7534	4	RETAINER							

C-CHANGE FROM PREVIOUS TYPE

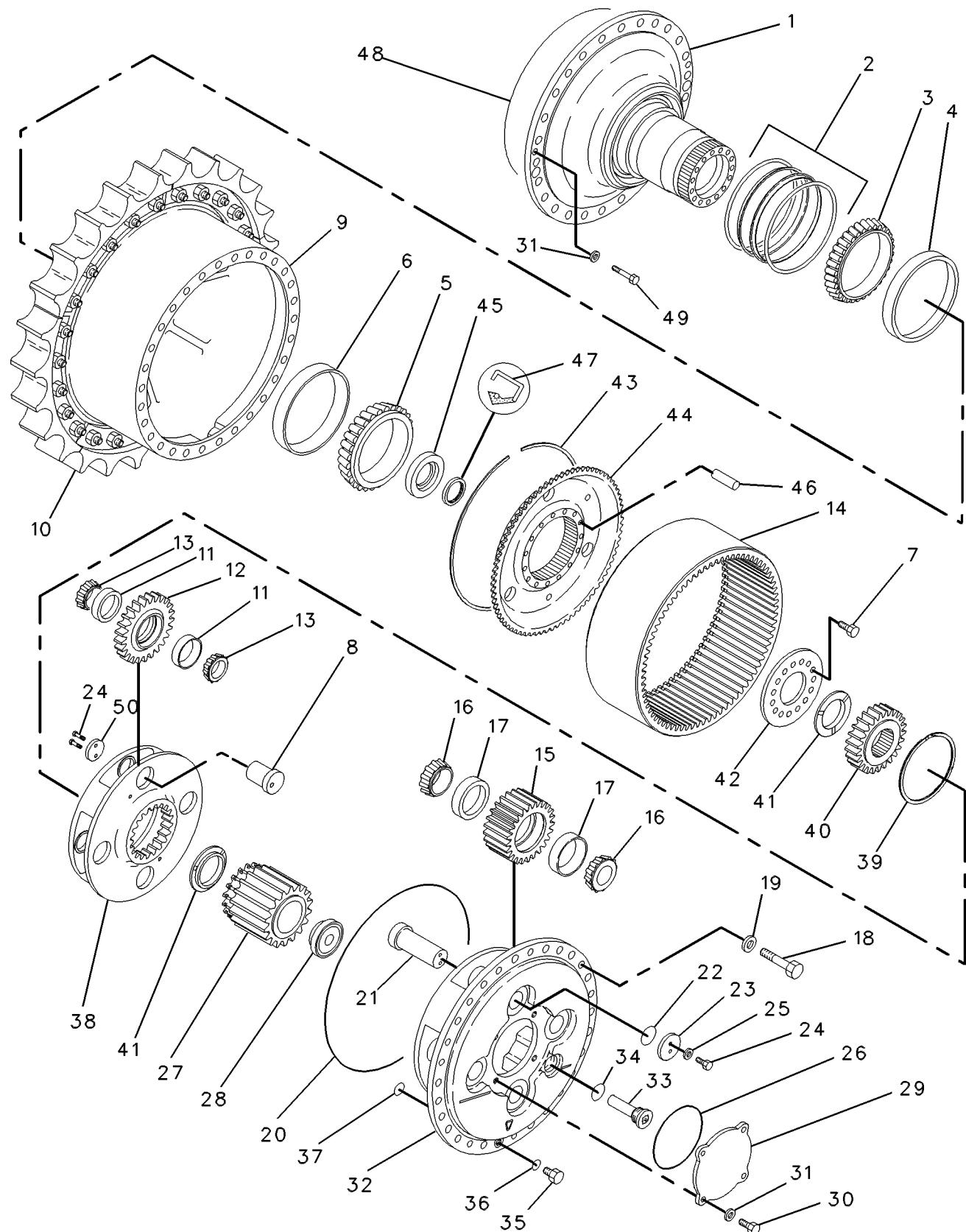
R-REMFG PART MAY BE AVAILABLE

Y-SEPARATE ILLUSTRATION

# POWER TRAIN

9W-9395 FINAL DRIVE GP (contd.)

i01321372



GRAPHIC #1

g00585810

# POWER TRAIN

## 138-2034 FINAL DRIVE GP

S/N: 9EM1-UP

PART OF 133-9140 GUARD AR-FINAL DRIVE  
AN ATTACHMENT

**SMCS-4050**

**i01321379**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
	1	1	<b>137-4491</b>	1	HUB AS							
		1	<b>137-4489</b>	1	GUARD							
2	1	<b>6Y-0859</b>	1	SEAL GP-DUO-CONE								
	1	<b>1M-9011</b>	2	RING-SEALING								
3	1	<b>6V-0663</b>	1	CONE-ROLLER BEARING								
4	1	<b>6V-0662</b>	1	CUP-ROLLER BEARING								
5	1	<b>6V-0664</b>	1	CONE-ROLLER BEARING								
6	1	<b>5F-2465</b>	1	CUP-ROLLER BEARING								
7	1	<b>5K-8454</b>	15	BOLT (1/2-13X1.12 IN)								
C	8	1	<b>157-5075</b>	4	GEAR (21 TEETH)							
	9	1	<b>137-4492</b>	1	HUB AS							
		1	<b>137-4488</b>	1	GUARD							
Y	10	1	<b>6Y-3928</b>	1	SEGMENT GP-SPROCKET							500
	11	1	<b>1M-7911</b>	8	CUP-ROLLER BEARING							
12	1	<b>8E-7534</b>	4	RETAINER								
13	1	<b>8E-7533</b>	4	SHAFT-PLANETARY (21 TEETH)								
14	1	<b>9W-9393</b>	1	GEAR (62 TEETH)								
15	1	<b>9W-3372</b>	4	GEAR (21 TEETH)								
16	1	<b>7T-9526</b>	8	CONE-ROLLER BEARING								
17	1	<b>7T-9527</b>	8	CUP-ROLLER BEARING								
18	1	<b>7X-0366</b>	29	BOLT (3/4-10X2 IN)								
19	1	<b>8T-4994</b>	29	WASHER-HARD (5MM THK)								
20	1	<b>9H-0846</b>	1	SEAL-O-RING								
21	1	<b>9W-3377</b>	4	SHAFT-GOVERNOR CONTROL								
22	1	<b>3D-2895</b>	4	SEAL-QUAD RING								
23	1	<b>9W-3378</b>	4	COVER								
24	1	<b>034-3557</b>	16	BOLT-LOCKING (3/8-16X1.125 IN)								
25	1	<b>8T-4896</b>	8	WASHER-HARD (10.2X18.5X2.5MM THK)								
26	1	<b>8J-1665</b>	1	SEAL-O-RING								
27	1	<b>9W-3373</b>	1	GEAR (18 TEETH)								
28	1	<b>9W-3232</b>	1	RETAINER								
29	1	<b>9W-9394</b>	1	COVER								
30	1	<b>8T-8917</b>	4	BOLT (1/2-13X1.25 IN)								
31	1	<b>8T-4223</b>	4	WASHER-HARD (3MM THK)								
32	1	<b>9W-9392</b>	1	CARRIER-PLANETARY								
33	1	<b>6V-3298</b>	1	PLUG-MAGNETIC								
34	1	<b>2S-4078</b>	1	SEAL-O-RING								
35	1	<b>9S-4185</b>	1	PLUG-O-RING								
36	1	<b>3K-0360</b>	1	SEAL-O-RING								
37	1	<b>5F-7054</b>	1	SEAL-O-RING								
38	1	<b>8E-7532</b>	1	HUB-REACTION								
39	1	<b>5P-8472</b>	1	RING-RETAINING								
40	1	<b>7T-2524</b>	1	GEAR (18 TEETH)								
41	1	<b>7T-2530</b>	2	RING-THRUST								
42	1	<b>7G-5832</b>	1	RETAINER								
43	1	<b>7G-5831</b>	1	RING-RETAINING								
44	1	<b>6Y-1336</b>	1	CARRIER-PLANETARY								
45	1	<b>3T-5923</b>	1	RETAINER								
46	1	<b>6T-2173</b>	15	PIN								
47	1	<b>7X-4777</b>	1	SEAL-LIP								
48	1	<b>2R-0098</b>	1	SEAL-O-RING								
49	1	<b>8T-4224</b>	16	WASHER-HARD (8.8X16X2MM THK)								
50	1	<b>1M-7912</b>	8	CONE-ROLLER BEARING								
51	1	<b>137-9810</b>	2	SEAL-PACKING								
52	1	<b>137-4490</b>	2	RETAINER								

# POWER TRAIN

138-2034 FINAL DRIVE GP (*contd.*)

i01321379

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
53	1		8C-6561	16	BOLT (5/16-18X1.375 IN)						

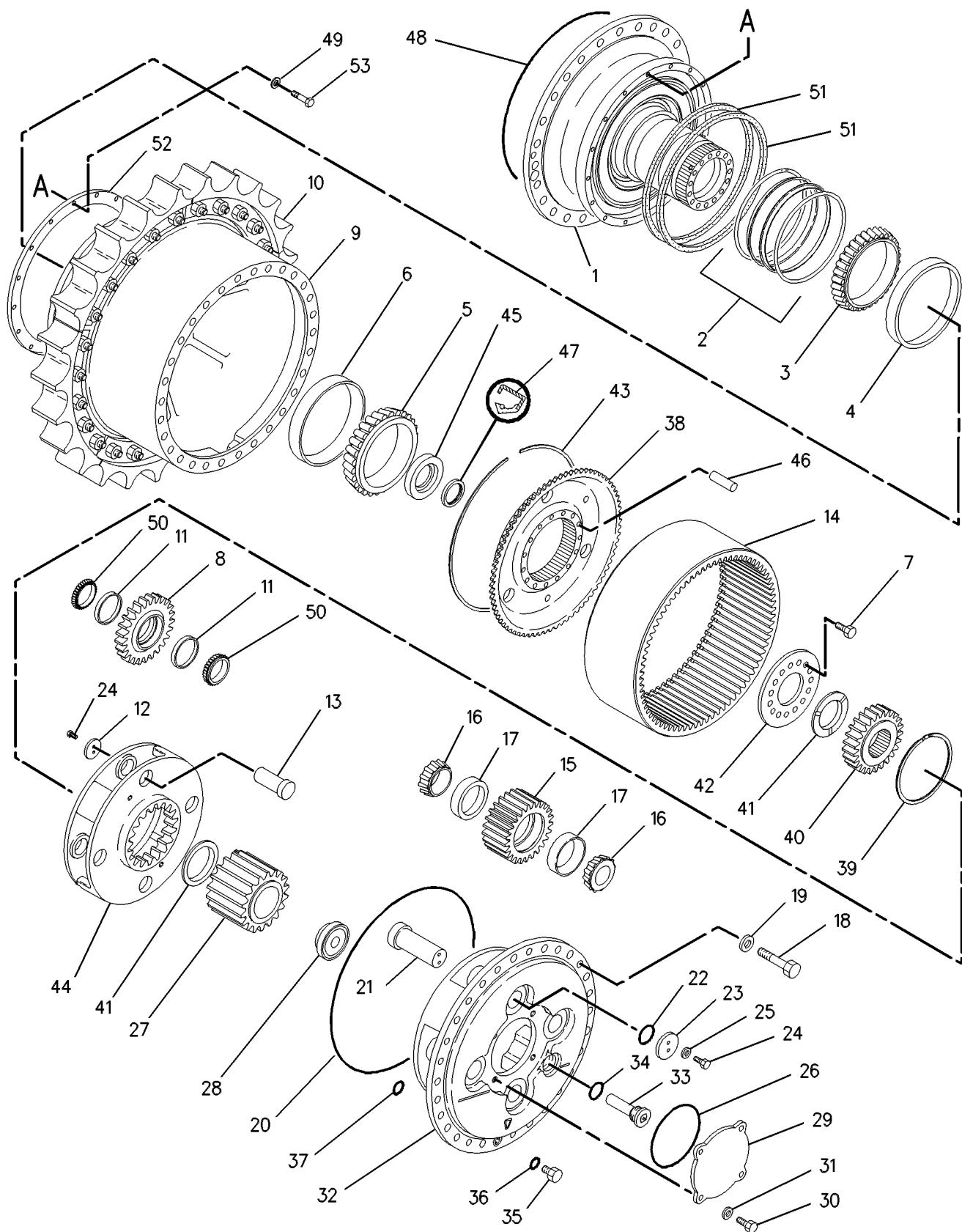
C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION

# POWER TRAIN

138-2034 FINAL DRIVE GP (*contd.*)

i01321379



GRAPHIC #1

g00591263

# POWER TRAIN

## 157-5072 FINAL DRIVE GP\*R

S/N: 9EM1226-UP

PART OF 157-5073, 159-2542 BRAKE & DRIVE GP

**SMCS-4050**

**i01430460**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
	1	1	1M-7911	8	CUP-ROLLER BEARING							
	2	1	1M-7912	8	CONE-ROLLER BEARING							
	3	1	3T-5923	1	RETAINER							
	4	1	5F-2465	1	CUP-ROLLER BEARING							
	5	1	5K-8454	15	BOLT (1/2-13X1.12 IN)							
	6	1	6T-2173	15	PIN							
	7	1	6V-0662	1	CUP-ROLLER BEARING							
	8	1	6V-0663	1	CONE-ROLLER BEARING							
	9	1	6V-0664	1	CONE-ROLLER BEARING							
	10	1	6V-3298	1	PLUG-MAGNETIC							
	11	1	6Y-0860	1	SEAL GP-DUO-CONE							
	12	1	6Y-1336	1	CARRIER-PLANETARY							
	13	1	7G-5831	1	RING-RETAINING							
	14	1	7G-5832	1	RETAINER							
	15	1	7T-2524	1	GEAR (18 TEETH)							
	16	1	7T-2530	2	RING-THRUST							
R	17	1	7T-8001	1	HUB-SPINDLE							
	18	1	7T-9526	8	CONE-ROLLER BEARING							
	19	1	7T-9527	8	CUP-ROLLER BEARING							
	20	1	7X-4777	1	SEAL-LIP							
	21	1	8E-2481	1	HUB-SPROCKET							
	22	1	8E-7532	1	HUB-REACTION							
	23	1	8E-7533	4	SHAFT-PLANETARY (21 TEETH)							
	24	1	8E-7534	4	RETAINER							
	25	1	8T-4223	4	WASHER-HARD (13.5X25.5X3MM THK)							
	26	1	9W-3232	1	RETAINER							
	27	1	9W-3372	4	GEAR (21 TEETH)							
	28	1	9W-3373	1	GEAR (18 TEETH)							
	29	1	9W-3377	4	SHAFT-GOVERNOR CONTROL							
	30	1	9W-3378	4	COVER							
	31	1	9W-9392	1	CARRIER-PLANETARY							
	32	1	9W-9393	1	GEAR (62 TEETH)							
	33	1	9W-9394	1	COVER							
	34	1	034-3557	16	BOLT-LOCKING (3/8-16X1.125 IN)							
Y	35	1	156-5341	1	SEGMENT GP-SPROCKET							501
	36	1	157-5075	4	GEAR (21 TEETH) (21 TEETH)							
	37	1	2R-0098	1	SEAL-O-RING (456.06MM ID)							
	38	1	2S-4078	1	SEAL-O-RING (37.46MM ID)							
	39	1	3D-2895	4	SEAL-QUAD RING							
	40	1	3K-0360	1	SEAL-O-RING (16.36MM ID)							
	41	1	5F-7054	1	SEAL-O-RING (18.64MM ID)							
	42	1	5P-8472	1	RING-RETAINING							
	43	1	7X-0366	29	BOLT (3/4-10X2 IN)							
	44	1	8J-1665	1	SEAL-O-RING (164.46MM ID)							
	45	1	8T-4896	8	WASHER-HARD (10.2X18.5X2.5MM THK)							
	46	1	8T-4994	29	WASHER-HARD (20X36.5X5MM THK)							
	47	1	8T-8917	4	BOLT (1/2-13X1.25 IN)							
	48	1	9H-0846	1	SEAL-O-RING (494.66MM ID)							
	49	1	9S-4185	1	PLUG							

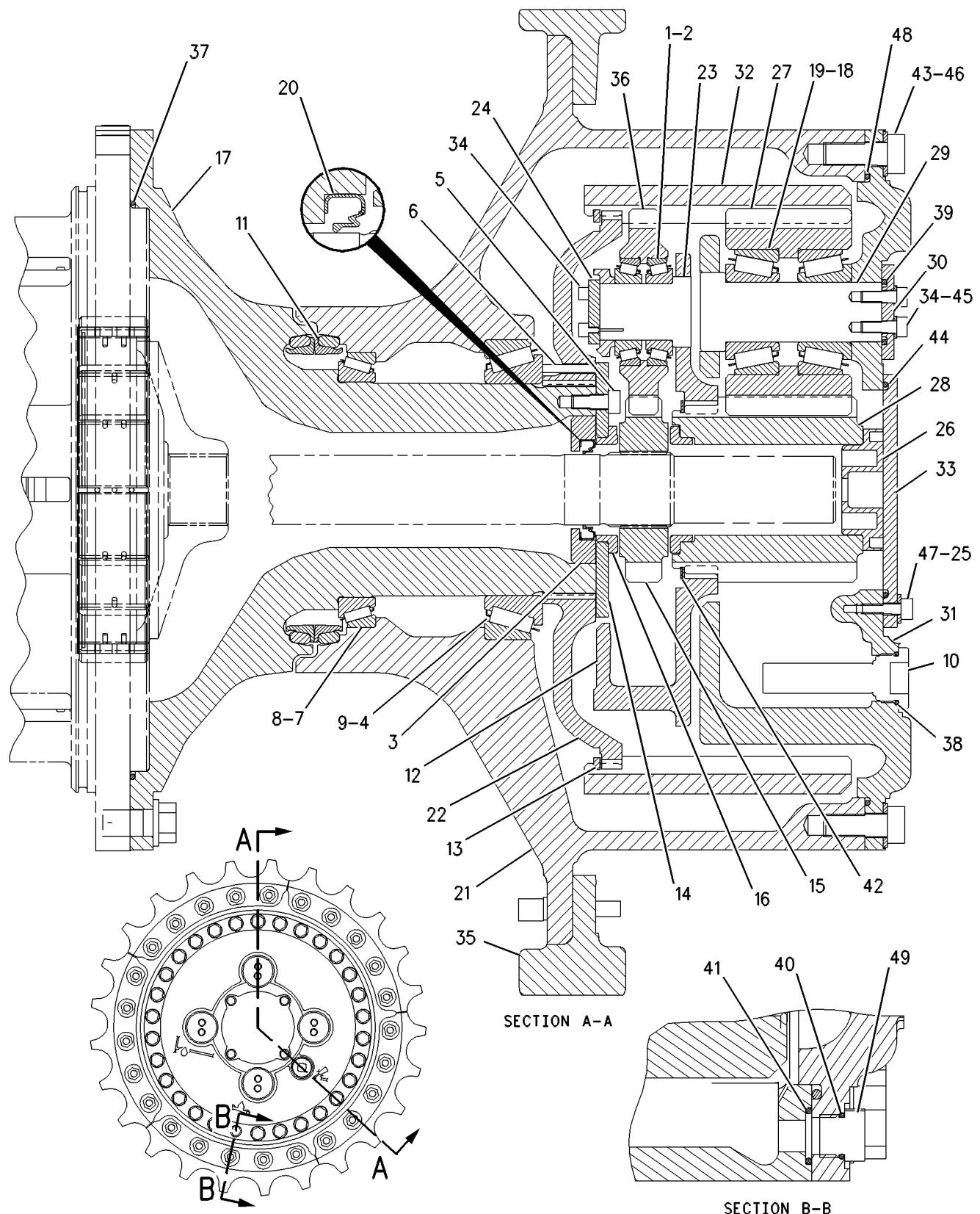
R - REMFG PART MAY BE AVAILABLE

Y - SEPARATE ILLUSTRATION

# **POWER TRAIN**

## **157-5072 FINAL DRIVE GP (contd.)**

i01430460



## GRAPHIC #1

g00532268

# POWER TRAIN

## 159-7941 FINAL DRIVE GP

S/N: 9EM1-UP

PART OF 133-9140, 159-8838 GUARD AR-FINAL DRIVE  
AN ATTACHMENT

**SMCS-4050**

**i01488525**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		<b>137-4491</b>	1	HUB AS							
			<b>137-4489</b>	1	GUARD							
2	1		<b>6Y-0860</b>	1	SEAL GP-DUO-CONE							
3	1		<b>6V-0663</b>	1	CONE-ROLLER BEARING							
4	1		<b>6V-0662</b>	1	CUP-ROLLER BEARING							
5	1		<b>6V-0664</b>	1	CONE-ROLLER BEARING							
6	1		<b>5F-2465</b>	1	CUP-ROLLER BEARING							
7	1		<b>5K-8454</b>	15	BOLT (1/2-13X1.12 IN)							
8	1		<b>157-5075</b>	4	GEAR (21 TEETH)							
9	1		<b>137-4492</b>	1	HUB AS							
			<b>137-4488</b>	1	GUARD							
Y	10	1	<b>156-5341</b>	1	SEGMENT GP-SPROCKET							501
	11	1	<b>1M-7911</b>	8	CUP-ROLLER BEARING							
12	1		<b>8E-7534</b>	4	RETAINER							
13	1		<b>8E-7533</b>	4	SHAFT-PLANETARY (21 TEETH)							
14	1		<b>9W-9393</b>	1	GEAR (62 TEETH)							
15	1		<b>9W-3372</b>	4	GEAR (21 TEETH)							
16	1		<b>7T-9526</b>	8	CONE-ROLLER BEARING							
17	1		<b>7T-9527</b>	8	CUP-ROLLER BEARING							
18	1		<b>7X-0366</b>	29	BOLT (3/4-10X2 IN)							
19	1		<b>8T-4994</b>	29	WASHER-HARD (20X36.5X3.5MM THK)							
20	1		<b>9H-0846</b>	1	SEAL-O-RING							
21	1		<b>9W-3377</b>	4	SHAFT-GOVERNOR CONTROL							
22	1		<b>3D-2895</b>	4	SEAL-QUAD RING							
23	1		<b>9W-3378</b>	4	COVER							
24	1		<b>034-3557</b>	16	BOLT-LOCKING (3/8-16X1.125 IN)							
25	1		<b>8T-4896</b>	8	WASHER-HARD (10.2X18.5X2.5MM THK)							
26	1		<b>8J-1665</b>	1	SEAL-O-RING							
27	1		<b>9W-3373</b>	1	GEAR (18 TEETH)							
28	1		<b>9W-3232</b>	1	RETAINER							
29	1		<b>9W-9394</b>	1	COVER							
30	1		<b>8T-8917</b>	4	BOLT (1/2-13X1.25 IN)							
31	1		<b>8T-4223</b>	4	WASHER-HARD (13.5X25.5X3MM THK)							
32	1		<b>9W-9392</b>	1	CARRIER-PLANETARY							
33	1		<b>6V-3298</b>	1	PLUG-MAGNETIC							
34	1		<b>2S-4078</b>	1	SEAL-O-RING							
35	1		<b>9S-4185</b>	1	PLUG-O-RING							
36	1		<b>3K-0360</b>	1	SEAL-O-RING							
37	1		<b>5F-7054</b>	1	SEAL-O-RING							
38	1		<b>8E-7532</b>	1	HUB-REACTION							
39	1		<b>5P-8472</b>	1	RING-RETAINING							
40	1		<b>7T-2524</b>	1	GEAR (18 TEETH)							
41	1		<b>7T-2530</b>	2	RING-THRUST							
42	1		<b>7G-5832</b>	1	RETAINER							
43	1		<b>7G-5831</b>	1	RING-RETAINING							
44	1		<b>6Y-1336</b>	1	CARRIER-PLANETARY							
45	1		<b>3T-5923</b>	1	RETAINER							
46	1		<b>6T-2173</b>	15	PIN							
47	1		<b>7X-4777</b>	1	SEAL-LIP							
48	1		<b>2R-0098</b>	1	SEAL-O-RING							
49	1		<b>8T-4224</b>	16	WASHER-HARD (8.8X16X2MM THK)							
50	1		<b>1M-7912</b>	8	CONE-ROLLER BEARING							
51	1		<b>137-9810</b>	2	SEAL-PACKING							
52	1		<b>137-4490</b>	2	RETAINER							
53	1		<b>8C-6561</b>	16	BOLT (5/16-18X1.375 IN)							

# **POWER TRAIN**

**159-7941 FINAL DRIVE GP (contd.)**

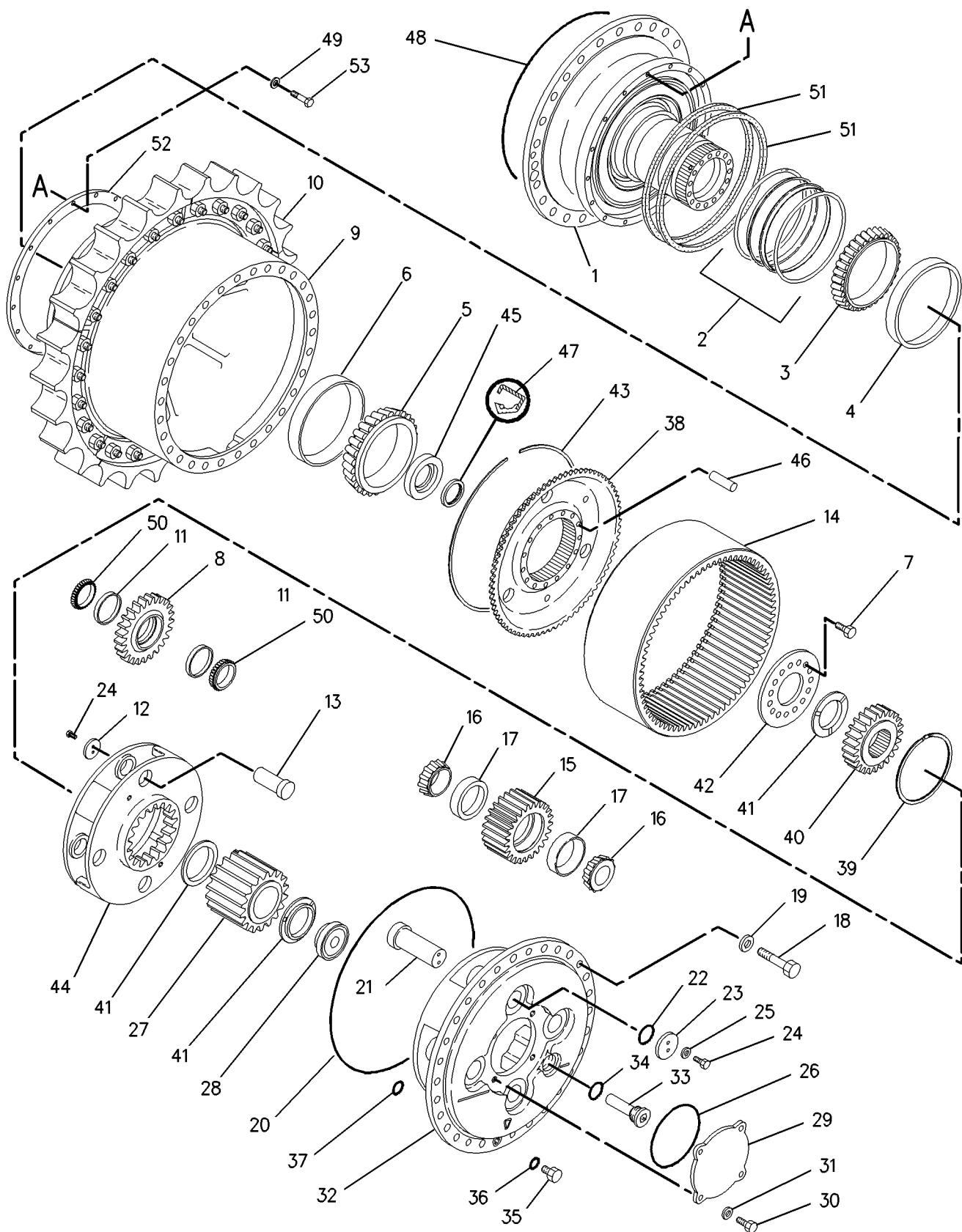
**i01488525**

**Y-SEPARATE ILLUSTRATION**

# POWER TRAIN

159-7941 FINAL DRIVE GP (contd.)

i01488525



GRAPHIC #1

g00774956

# POWER TRAIN

## 7T-2431 GEAR GP-BEVEL & TRANSFER

S/N: 8YX1-UP

PART OF 105-8185 TRANSMISSION AR

SMCS-3011

i01315991

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	7B-3235	12	BOLT (1/2-13X1.375 IN)	
	2	1	5P-8245	12	WASHER-HARD (3MM THK)	
	3	1	7T-9946	1	CAGE-BEARING	
	4	1	9G-0832	1	DOWEL	
	5	1	6J-3473	1	RING-SNAP	
	6	1	4H-0019	1	RACE & ROLLER AS (OUTER)	
		1	5P-7592	1	RACE-ROLLER BEARING (INNER)	
C	7	1	9W-9982	1	SHAFT-BEVEL GEAR	
	8	1	7T-8142	1	GEAR-BEVEL (31 TEETH)	
B	9	1	9P-1478	2	SHIM PACK (INCLUDES 14 SHIMS)	
	10	1	1P-3934	2	CUP-ROLLER BEARING	
		1	1P-3935	2	CONE-ROLLER BEARING	
	11	1	9W-1570	1	CAGE AS-BEARING	
		1	9W-1569	1	PLUG-ORIFICE	
		1	4B-9880	1	BALL (7.94MM DIA)	
	12	1	9P-7072	1	WASHER-TONGUE	
	13	1	6V-2404	1	LOCKWASHER-BEARING	
	14	1	1L-6957	1	LOCKNUT-BEARING	
	15	1	6T-0364	1	RING-RETAINING	
C	16	1	9W-8612	1	SPACER-CONE	
	17	1	1A-0075	12	BOLT (3/4-16X1.75 IN)	
	18	2	6S-2828	2	CUP-ROLLER BEARING	
	19	2	6S-2829	2	CONE-ROLLER BEARING	
	20	2	7T-8141	1	PINION-BEVEL (22 TEETH)	
	21	2	9W-9461	1	GEAR-TRANSFER (34 TEETH)	
	22	2	190-2277	1	CASE AS	
		2	2D-6642	1	BALL	
	23	2	5P-8247	16	WASHER-HARD (3.5MM THK)	
C	24	2	6I-8511	1	CAGE-BEARING	
	25	2	0L-1169	12	BOLT (5/8-11/3.75 IN)	
	26	2	5P-8245	12	WASHER-HARD (3MM THK)	
	27	2	9P-1922	1	SHIM PACK (INCLUDES 14 SHIMS)	
	28	2	9W-2992	1	CAGE-BEARING	
	29	2	7B-3235	12	BOLT (1/2-13X1.375 IN)	
	30	2	3T-6742	1	RETAINER	
	31	2	0S-1569	1	BOLT (5/8-11X4IN)	
	32	2	9W-9462	1	GEAR-TRANSFER (42 TEETH)	
	33	2	8C-3075	1	SEAL-LIP	
C	34	2	7D-1649	2	WASHER (5.0MM THK)	
C	35	2	6I-8507	1	PLATE-RETAINER	
C	36	2	0S-1591	4	BOLT (3/8-16X1.5 IN)	
C	37	2	5M-2894	4	WASHER-HARD (2.5MM THK)	
B	38	2	9P-1921	1	SHIM PACK (INCLUDES 11 SHIMS)	
	39	2	7H-7628	1	BEARING	
	40	2	8D-1817	2	CUP-ROLLER BEARING	
		2	8D-1819	2	CONE-BEARING	
	41	2	7T-1474	1	BRACKET-ROLLER (RH)	
		2	7T-1475	1	BRACKET-ROLLER (LH)	
	42	2	1D-4601	4	BOLT (5/8-11X8.5 IN)	
	43	2	6T-3853	2	SLEEVE	
	44	2	6T-3852	2	ROLLER	
	45	2	1A-5822	2	BOLT (1/2-13X2.75 IN)	

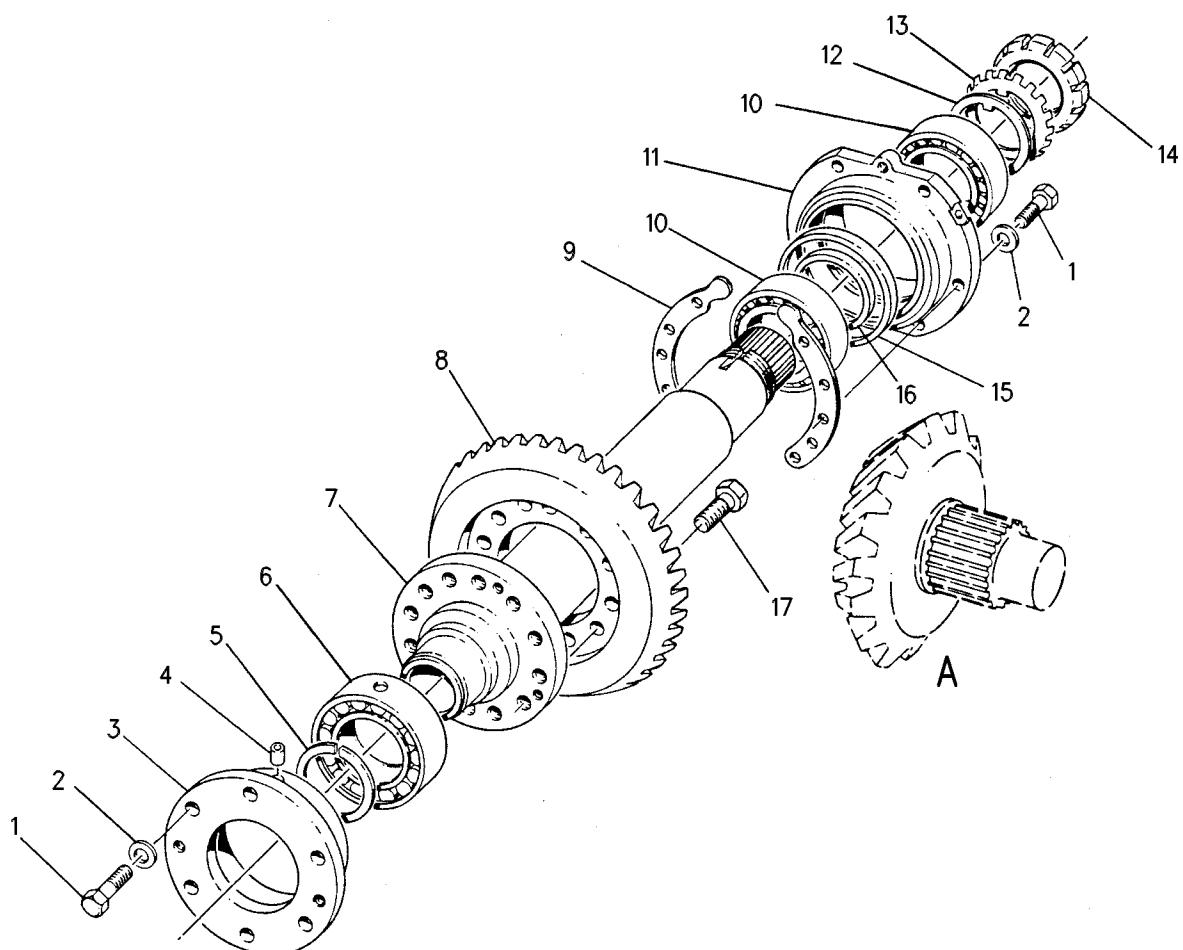
B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

# POWER TRAIN

7T-2431 GEAR GP-BEVEL & TRANSFER (*contd.*)

i01315991



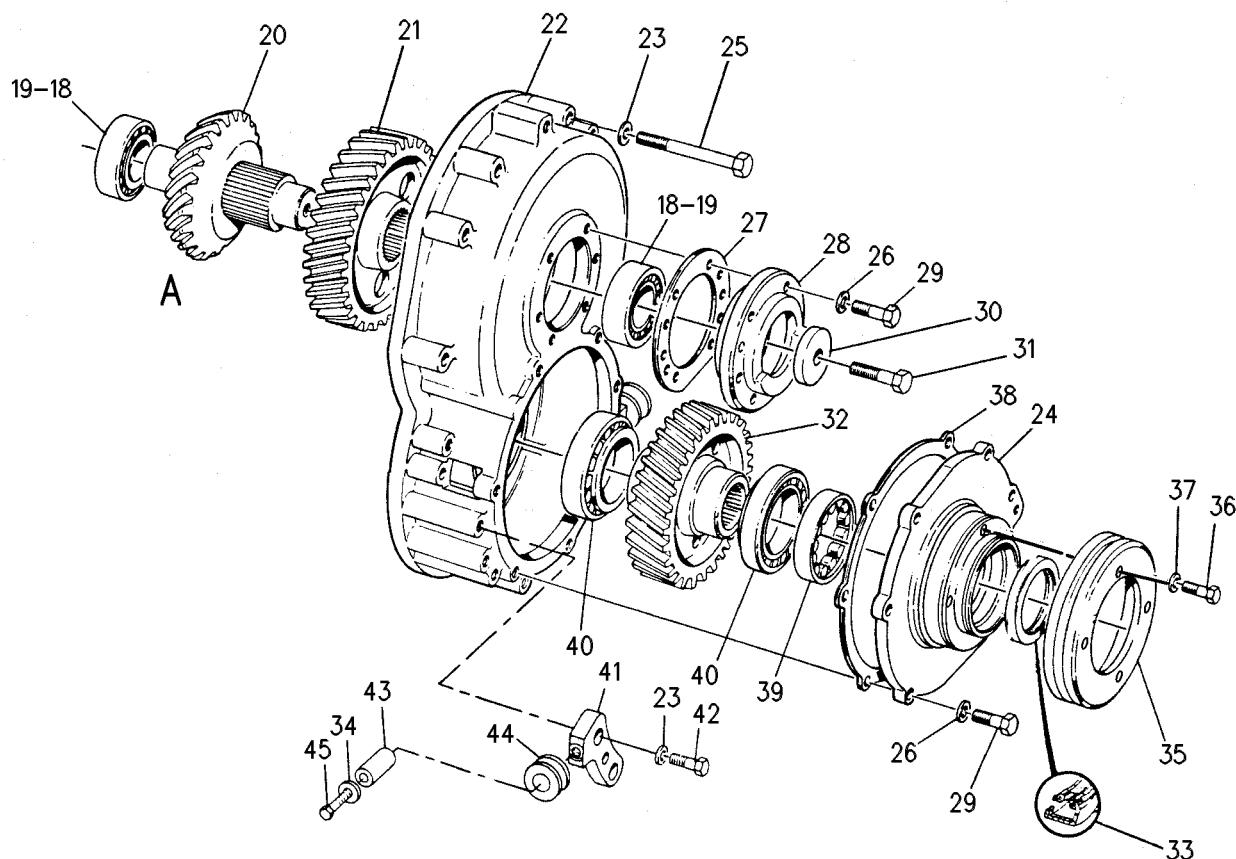
GRAPHIC #1

g00408237

# POWER TRAIN

7T-2431 GEAR GP-BEVEL & TRANSFER (contd.)

i01315991



GRAPHIC #2

g00377733

# POWER TRAIN

## 6Y-3517 LINES GP-POWER TRAIN OIL

S/N: 9EM1-416

SMCS-3016

i01065899

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
I	1	1	<b>6Y-4064</b>	1	HOSE AS	
	2	1	<b>8M-4986</b>	1	SEAL-O-RING (37.69MM ID)	
	3	1	<b>8M-8157</b>	1	SEAL (9.19MM ID)	
Y	4	1	<b>9W-5596</b>	1	VALVE GP-RELIEF	528
	5	1	<b>1P-4578</b>	2	FLANGE	
		1	<b>4J-0522</b>	1	SEAL-O-RING (37.69MM ID)	
	6	1	<b>8T-8916</b>	4	BOLT (7/16-14X1.5IN)	
		1	<b>8T-5360</b>	4	WASHER (2.5MM THK)	
I	7	1	<b>6Y-4066</b>	1	HOSE AS	
	8	1	<b>7T-6031</b>	1	TUBE AS	
	9	1	<b>1P-4577</b>	2	FLANGE-HALF	
	10	1	<b>6Y-4687</b>	1	BRACKET AS	
	11	1	<b>6Y-3985</b>	1	TUBE AS	
CI	12	1	<b>114-6572</b>	1	HOSE AS	
	13	1	<b>9S-4181</b>	1	PLUG-STRAIGHT THREAD (1-5/16-12 THD)	
	14	1	<b>7X-0772</b>	1	WASHER-HARD (2.5MM THK)	
I	15	1	<b>6Y-4059</b>	1	HOSE AS	
	16	1	<b>7T-9284</b>	2	MANIFOLD	
		1	<b>9F-7283</b>	2	SEAL-O-RING (107.32MM ID)	
	17	1	<b>8T-4149</b>	2	ELBOW-45 DEGREE	
		1	<b>6V-9746</b>	2	SEAL-O-RING (18.94MM ID) (22.5MM ID)	
	18	1	<b>1P-3705</b>	2	SEAL-RECTANGULAR (44.7MM ID)	
	19	1	<b>7X-0326</b>	6	BOLT (1/2-13X3IN)	
	20	1	<b>8T-4223</b>	10	WASHER-HARD (3MM THK)	
	21	1	<b>4J-0520</b>	4	SEAL-O-RING (32.92MM ID)	
	22	1	<b>8T-4896</b>	8	WASHER-HARD (2.5MM THK)	
	23	1	<b>9B-7237</b>	4	BOLT (3/8-16X1.25IN)	
	24	1	<b>6Y-5436</b>	1	TUBE AS	
		1	<b>6T-3714</b>	1	GASKET	
	25	1	<b>5S-7379</b>	3	BOLT (3/8-16X.875IN)	
	26	1	<b>1P-4579</b>	2	FLANGE-HALF	
	27	1	<b>8C-3447</b>	1	CAP-DUST	
		1	<b>8C-3446</b>	1	VALVE-FLUID SAMPLING	
		1	<b>3J-7354</b>	1	SEAL-O-RING (8.92MM ID)	
	28	1	<b>8T-8919</b>	4	BOLT (1/2-13X1.75IN)	
	29	1	<b>4J-0527</b>	1	SEAL-O-RING (56.74MM ID)	
	30	1	<b>5P-7468</b>	1	CLIP (SLOT)	
		1	<b>5P-7469</b>	1	CLIP (TAB)	
	31	1	<b>4J-0524</b>	2	SEAL-O-RING (47.22MM ID)	
	32	1	<b>4L-6454</b>	2	BOLT (3/8-16X1.0IN) (3/8-16X1IN)	
	33	1	<b>8E-4331</b>	1	PLATE AS	
I	34	1	<b>6Y-4063</b>	1	HOSE AS	
I	35	1	<b>6Y-4077</b>	1	HOSE AS	
	36	1	<b>5P-2424</b>	4	BOLT (1/2-13X2.25IN)	
	37	1	<b>1P-4584</b>	2	FLANGE-HALF	
	38	1	<b>6J-2680</b>	1	SEAL-O-RING (69.44MM ID)	
	39	1	<b>6Y-5439</b>	1	FLANGE	
		1	<b>1H-7339</b>	1	SEAL-O-RING (75.79MM ID)	
	40	1	<b>9P-0214</b>	1	SCREEN AS	
	41	1	<b>7M-8485</b>	4	SEAL-O-RING (29.74MM ID)	
	42	1	<b>8T-1674</b>	1	TEE	
		1	<b>5K-9090</b>	1	SEAL-O-RING (23.52MM ID)	
	43	1	<b>107-2498</b>	1	PLUNGER AS	
I	44	1	<b>9U-8249</b>	1	HOSE AS	
	45	1	<b>5P-3501</b>	1	ADAPTER (1/4-18 THD)	
C	46	1	<b>3J-1907</b>	1	SEAL-O-RING (11.89MM ID)	
	47	1	<b>9G-5127</b>	1	BREATHER (PRESSURE RELIEF)	

# POWER TRAIN

**6Y-3517 LINES GP - POWER TRAIN OIL (contd.)**

i01065899

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE
					1 2 3 4 5 6		
	48	1	6N-2985	1	CAP AS-FILLER		
	49	1	5S-7349	1	BOLT (1/4-20X0.5IN)		
		1	8T-4205	1	WASHER-HARD (2MM THK)		
	50	2	1P-4578	4	FLANGE		
C	51	2	8T-8916	6	BOLT (7/16-14X1.5IN)		
	52	2	8T-5360	14	WASHER (2.5MM THK)		
C	53	2	6V-8634	2	CONNECTOR-SEAL		
C		2	3K-0360	2	SEAL-O-RING (16.36MM ID)		
	54	2	1P-3705	1	SEAL-RECTANGULAR (44.7MM ID)		
	55	2	7X-0326	8	BOLT (1/2-13X3IN)		
	56	2	8T-4223	20	WASHER-HARD (3MM THK)		
	57	2	7X-0313	4	BOLT (7/16-14X2.75IN) (7/16X14X2.75IN)		
	58	2	8T-4896	11	WASHER-HARD (2.5MM THK)		
	59	2	1P-4579	6	FLANGE-HALF		
		2	4J-0524	3	SEAL-O-RING (47.22MM ID)		
	60	2	8T-8919	12	BOLT (1/2-13X1.75IN)		
	61	2	6V-9008	1	ELBOW-90 DEGREE		
		2	7M-8485	1	SEAL-O-RING (29.74MM ID)		
		2	5K-9090	1	SEAL-O-RING (23.52MM ID)		
	62	2	6V-0852	1	CAP-DUST		
		2	6V-3965	1	NIPPLE AS		
	63	2	7X-0772	2	WASHER-HARD (2.5MM THK)		
Y	64	2	9T-8340	1	FILTER GP-OIL		782
	65	2	5P-7466	1	CLIP (SLOT)		
		2	5P-7467	1	CLIP (TAB)		
		2	5P-8112	1	GROMMET		
I	66	2	6Y-4057	1	HOSE AS		
	67	2	4J-5267	1	SEAL-O-RING (24.99MM ID)		
Y	68	2	6Y-3585	1	PUMP GP-GEAR		493
	69	2	5T-6374	2	SPACER (40 MM THK)		
	70	2	3G-4214	1	CLIP (SLOT)		
		2	3G-4218	1	CLIP (TAB)		
C	71	2	4L-6454	1	BOLT (3/8-16X1.0IN) (3/8-16X1IN)		
	72	2	3P-0572	1	CLIP (TAB)		
		2	3P-0574	1	CLIP (SLOT)		
I	73	2	6Y-4065	1	HOSE AS		
	74	2	3T-6471	1	SCREEN AS		
CI	75	2	132-8315	1	HOSE AS		
	76	2	7T-3372	1	SHIELD		
	77	2	7X-0293	2	BOLT (3/8-16X4.75IN)		
	78	2	8T-7008	1	BOLT (3/8-16X3IN)		
	79	2	7X-0314	4	BOLT (7/16-14X3IN)		
I	80	2	6Y-4086	1	HOSE AS		
	81	2	2H-6184	1	SEAL-O-RING (78.97MM ID)		
	82	2	1S-5582	1	COUPLING		
		2	3L-6917	1	RING-RETAINING		
	83	2	5S-7382	8	BOLT (3/8-16X34.92)		
C	84	2	6V-8397	2	SEAL-O-RING (9.27MM ID) (9.25MM ID)		
C	85	2	4L-6459	1	BOLT (3/8-16X2.5IN) (3/8-16X1IN)		
C	86	2	8M-4986	1	SEAL-O-RING (37.69MM ID)		
C	87	2	3J-1907	6	SEAL-O-RING (11.89MM ID)		
	88	2	1P-4577	2	FLANGE-HALF		
	89	2	4J-0522	2	SEAL-O-RING (37.69MM ID)		
	90	2	4J-0520	1	SEAL-O-RING (32.92MM ID)		
	91	2	6V-0852	1	CAP-DUST		
		2	6V-3965	1	NIPPLE AS		
C	92	2	6V-5387	1	PLATE-ORIFICE		
C	93	2	9W-1686	1	SPACER		
C	94	2	9S-4191	4	PLUG-O-RING (9/16-18 THD)		

# POWER TRAIN

6Y-3517 LINES GP - POWER TRAIN OIL (contd.)

i01065899

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
C	95	2	6W-6672	1	SPACER						
C	96	2	8M-2773	1	CLIP (17.46MM ID)						

C-CHANGE FROM PREVIOUS TYPE

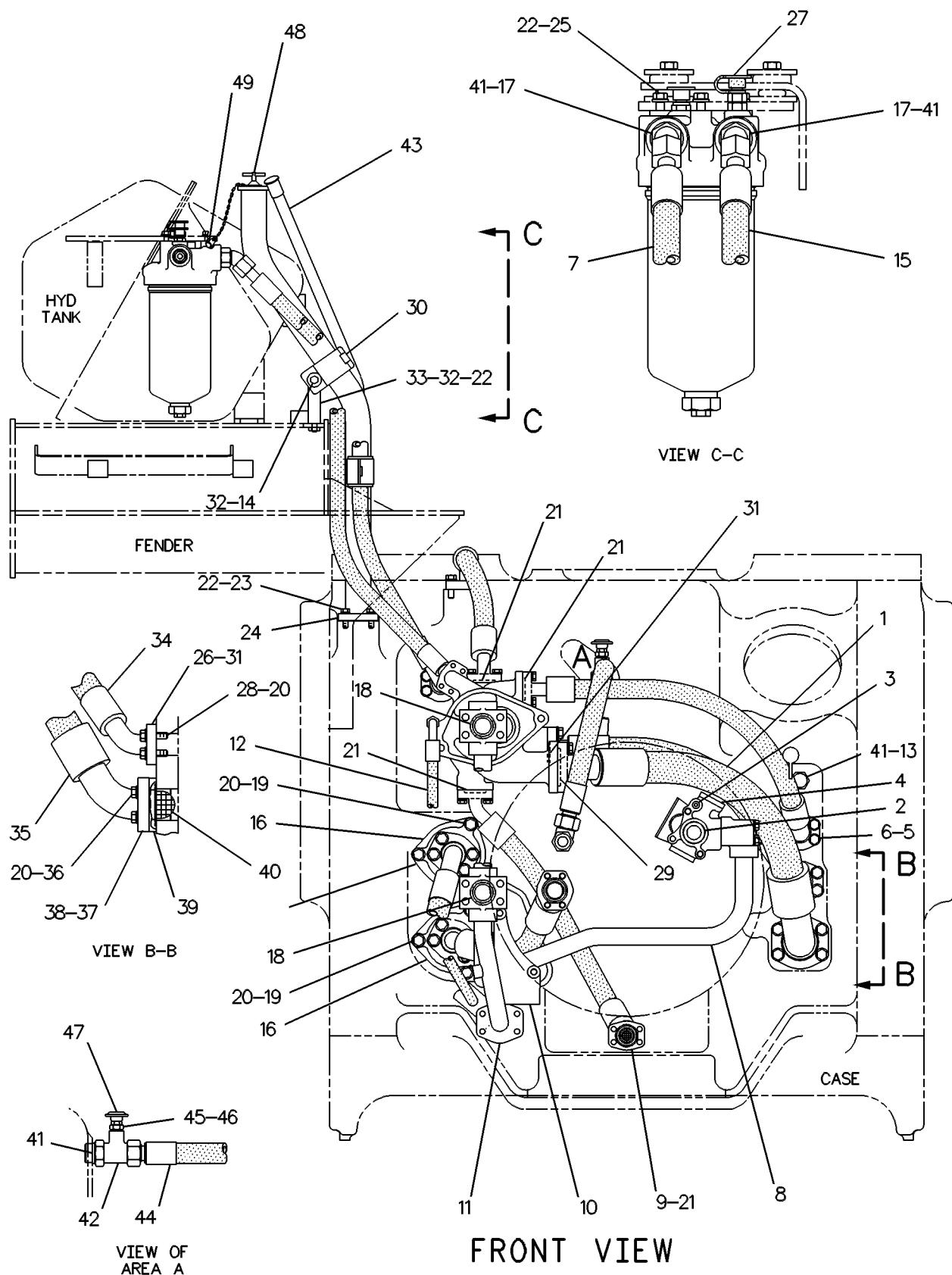
I-SEE HOSE FABRICATION GUIDE

Y-SEPARATE ILLUSTRATION

# POWER TRAIN

6Y-3517 LINES GP - POWER TRAIN OIL (contd.)

i01065899



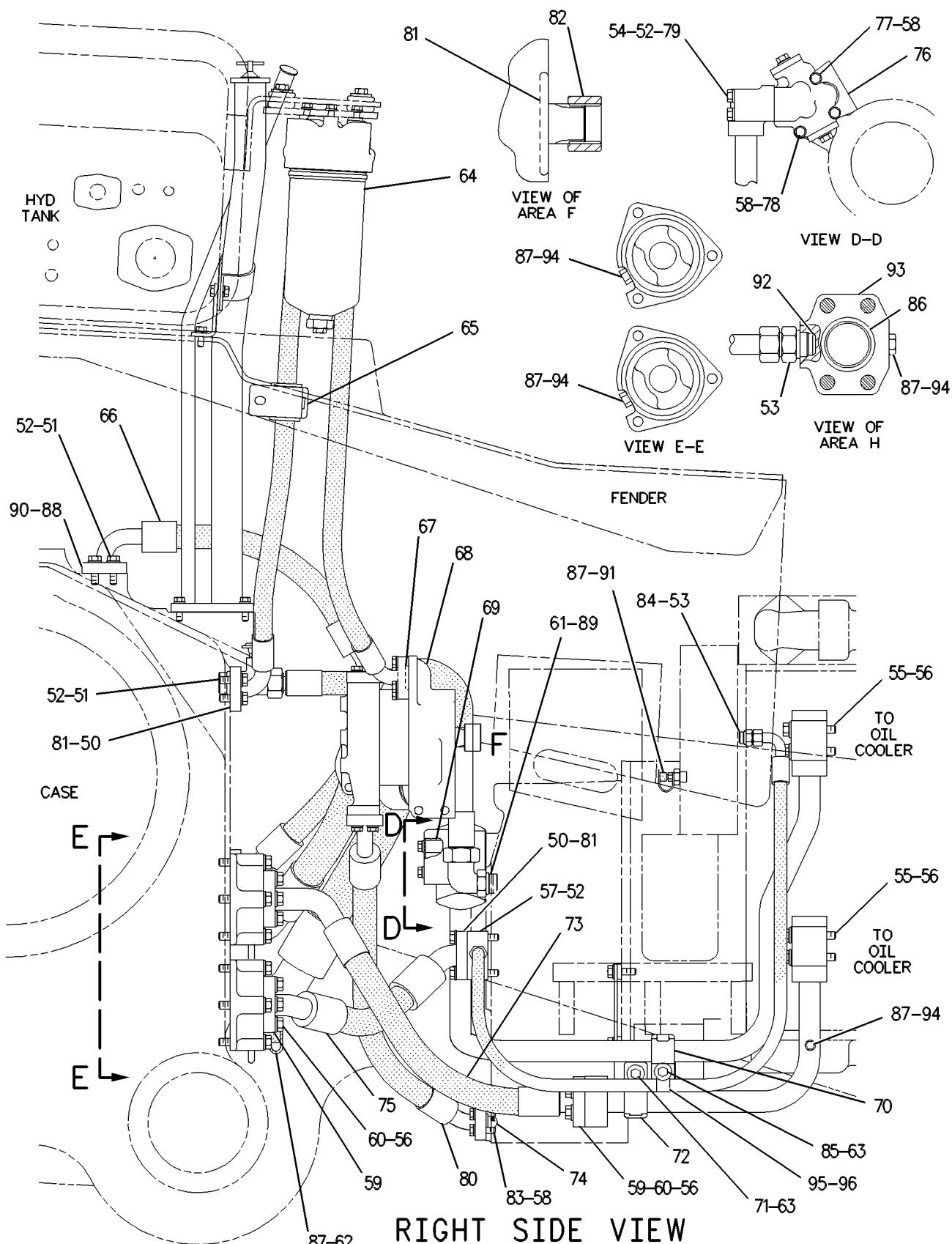
GRAPHIC #1

g00472717

# POWER TRAIN

6Y-3517 LINES GP - POWER TRAIN OIL (contd.)

i01065899



GRAPHIC #2

g00555110

# POWER TRAIN

## 6Y-3517 LINES GP-POWER TRAIN OIL

S/N: 9EM417-782

SMCS-3016

i01035040

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE	
					1 2 3 4 5 6 (PRODUCT LEVEL)		
I	1	1	<b>6Y-4064</b>	1	HOSE AS		
	2	1	<b>8M-4986</b>	1	SEAL-O-RING (37.69MM ID)		
	3	1	<b>8M-8157</b>	1	SEAL (9.19MM ID)		
Y	4	1	<b>9W-5596</b>	1	VALVE GP-RELIEF		528
	5	1	<b>1P-4578</b>	2	FLANGE-HALF		
		1	<b>4J-0522</b>	1	SEAL-O-RING (37.69MM ID)		
	6	1	<b>8T-8916</b>	4	BOLT (7/16-14X1.5IN)		
		1	<b>8T-5360</b>	4	WASHER (2.5MM THK)		
I	7	1	<b>6Y-4066</b>	1	HOSE AS		
C	8	1	<b>7T-6031</b>	1	TUBE AS		
	9	1	<b>1P-4577</b>	2	FLANGE-HALF		
	10	1	<b>6Y-4687</b>	1	BRACKET AS		
C	11	1	<b>6Y-3985</b>	1	TUBE AS		
I	12	1	<b>114-6572</b>	1	HOSE AS		
	13	1	<b>9S-4181</b>	1	PLUG-STRAIGHT THREAD (1-5/16-12 THD)		
	14	1	<b>7X-0772</b>	1	WASHER-HARD (2.5MM THK)		
	15	1	<b>6Y-4059</b>	1	HOSE AS		
	16	1	<b>7T-9284</b>	2	MANIFOLD		
C	1		<b>6V-5101</b>	2	SEAL-O-RING (107.32MM ID)		
	17	1	<b>8T-4149</b>	2	ELBOW-45 DEGREE		
		1	<b>6V-9746</b>	2	SEAL-O-RING (18.94MM ID)		
	18	1	<b>1P-3705</b>	2	SEAL-RECTANGULAR (44.7MM ID)		
C	19	1	<b>7X-0326</b>	6	BOLT		
	20	1	<b>8T-4223</b>	10	WASHER-HARD (3MM THK)		
	21	1	<b>4J-0520</b>	4	SEAL-O-RING (32.92MM ID)		
	22	1	<b>8T-4896</b>	8	WASHER-HARD (2.5MM THK)		
	23	1	<b>9B-7237</b>	4	BOLT (3/8-16X1.25IN)		
	24	1	<b>6Y-5436</b>	1	TUBE AS		
		1	<b>6T-3714</b>	1	GASKET		
	25	1	<b>5S-7379</b>	3	BOLT (3/8-16X.875IN)		
	26	1	<b>1P-4579</b>	2	FLANGE-HALF		
	27	1	<b>8C-3447</b>	1	CAP-DUST		
		1	<b>8C-3446</b>	1	VALVE-FLUID SAMPLING		
		1	<b>3J-7354</b>	1	SEAL-O-RING (8.92MM ID)		
	28	1	<b>8T-8919</b>	4	BOLT (1/2-13X1.75IN)		
	29	1	<b>4J-0527</b>	1	SEAL-O-RING (56.74MM ID)		
	30	1	<b>5P-7468</b>	1	CLIP (SLOT)		
		1	<b>5P-7469</b>	1	CLIP (TAB)		
	31	1	<b>4J-0524</b>	2	SEAL-O-RING (47.22MM ID)		
	32	1	<b>4L-6454</b>	2	BOLT (3/8-16X1.0IN)		
	33	1	<b>8E-4331</b>	1	PLATE AS		
I	34	1	<b>6Y-4063</b>	1	HOSE AS		
	35	1	<b>6Y-4077</b>	1	HOSE AS		
	36	1	<b>5P-2424</b>	4	BOLT (1/2-13X2.25IN)		
	37	1	<b>1P-4584</b>	2	FLANGE-HALF		
	38	1	<b>6J-2680</b>	1	SEAL-O-RING (69.44MM ID)		
	39	1	<b>6Y-5439</b>	1	FLANGE		
		1	<b>1H-7339</b>	1	SEAL-O-RING (75.79MM ID)		
	40	1	<b>9P-0214</b>	1	SCREEN AS		
C	41	1,2	<b>7M-8485</b>	6	SEAL-O-RING (29.74MM ID)		
	42	1	<b>8T-1674</b>	1	TEE		
	43	1	<b>107-2498</b>	1	PLUNGER AS		
I	44	1	<b>9U-8249</b>	1	HOSE AS		
	45	1	<b>5P-3501</b>	1	ADAPTER (1/4-18 THD)		
C	46	1	<b>3J-1907</b>	2	SEAL-O-RING (11.89MM ID)		
	47	1	<b>9G-5127</b>	1	BREATHER (PRESSURE RELIEF)		
	48	1	<b>6N-2985</b>	1	CAP AS-FILLER		

# POWER TRAIN

**6Y-3517 LINES GP - POWER TRAIN OIL (contd.)**

i01035040

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE
					1 2 3 4 5 6		
	49	1	5S-7349	1	BOLT (1/4-20X0.5IN)		
		1	8T-4205	1	WASHER-HARD (2MM THK)		
C	50	1	6V-3965	1	NIPPLE AS		
C		1	6V-0852	1	CAP-DUST		
	51	2	1P-4578	4	FLANGE-HALF		
	52	2	8T-8916	6	BOLT (7/16-14X1.5IN)		
	53	2	8T-5360	14	WASHER (2.5MM THK)		
	54	2	6V-8634	2	CONNECTOR-SEAL		
		2	3K-0360	2	SEAL-O-RING (16.36MM ID)		
	55	2	1P-3705	1	SEAL-RECTANGULAR (44.7MM ID)		
C	56	2	7X-0326	8	BOLT		
	57	2	8T-4223	20	WASHER-HARD (3MM THK)		
	58	2	7X-0313	4	BOLT (7/16-14X2.75IN)		
	59	2	8T-4896	11	WASHER-HARD (2.5MM THK)		
	60	2	1P-4579	6	FLANGE-HALF		
		2	4J-0524	3	SEAL-O-RING (47.22MM ID)		
	61	2	8T-8919	12	BOLT (1/2-13X1.75IN)		
	62	2	6V-9008	1	ELBOW-90 DEGREE		
		2	7M-8485	1	SEAL-O-RING (29.74MM ID)		
	63	2	8M-2773	1	CLIP (17.46MM ID)		
	64	2	7X-0772	2	WASHER-HARD (2.5MM THK)		
Y	65	2	9T-8340	1	FILTER GP-OIL		782
	66	2	5P-7466	1	CLIP (SLOT)		
		2	5P-7467	1	CLIP (TAB)		
		2	5P-8112	1	GROMMET		
I	67	2	6Y-4057	1	HOSE AS		
	68	2	4J-5267	1	SEAL-O-RING (24.99MM ID)		
Y	69	2	6Y-3585	1	PUMP GP-GEAR		493
	70	2	5T-6374	2	SPACER		
C	71	2	3G-4214	1	CLIP (SLOT)		
C		2	3G-4218	1	CLIP (TAB)		
	72	2	4L-6454	1	BOLT (3/8-16X1.0IN)		
C	73	2	3P-0572	1	CLIP (TAB)		
C		2	3P-0574	1	CLIP (SLOT)		
	74	2	6Y-4065	1	HOSE AS		
	75	2	3T-6471	1	SCREEN AS		
I	76	2	132-8315	1	HOSE AS		
	77	2	7T-3372	1	SHIELD		
	78	2	7X-0293	2	BOLT (3/8-16X4.75IN)		
	79	2	8T-7008	1	BOLT (3/8-16X3IN)		
	80	2	7X-0314	4	BOLT (7/16-14X3IN)		
I	81	2	6Y-4086	1	HOSE AS		
	82	2	2H-6184	1	SEAL-O-RING (78.97MM ID)		
	83	2	1S-5582	1	COUPLING		
		2	3L-6917	1	RING-RETAINING		
	84	2	5S-7382	8	BOLT (3/8-16X34.92)		
	85	2	6V-8397	2	SEAL-O-RING (9.27MM ID)		
	86	2	4L-6459	1	BOLT (3/8X2.5 IN) (3/8-16X1IN)		
	87	2	8M-4986	1	SEAL-O-RING (37.69MM ID)		
C	88	2	3J-1907	4	SEAL-O-RING (11.89MM ID)		
	89	2	1P-4577	2	FLANGE-HALF		
	90	2	4J-0522	2	SEAL-O-RING (37.69MM ID)		
	91	2	4J-0520	1	SEAL-O-RING (32.92MM ID)		
	92	2	6W-6672	1	SPACER		
	93	2	6V-5387	1	PLATE-ORIFICE		
	94	2	9W-1686	1	SPACER		
	95	2	9S-4191	4	PLUG-O-RING (9/16-18 THD)		
	96	1	5K-9090	2	SEAL-O-RING (23.52MM ID)		

# **POWER TRAIN**

**6Y-3517 LINES GP - POWER TRAIN OIL (contd.)**

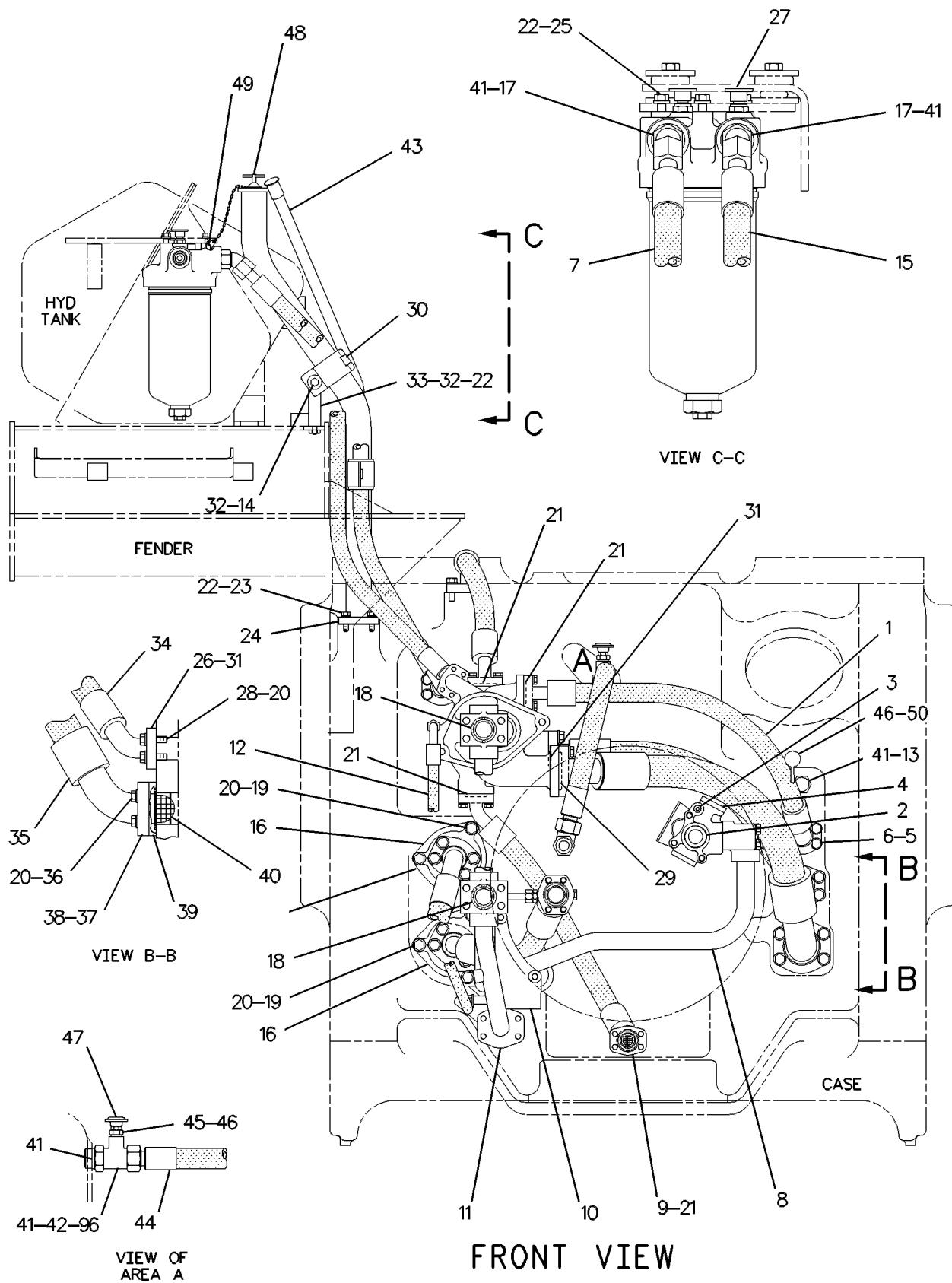
**i01035040**

C- CHANGE FROM PREVIOUS TYPE  
I- SEE HOSE FABRICATION GUIDE  
Y- SEPARATE ILLUSTRATION

# POWER TRAIN

6Y-3517 LINES GP - POWER TRAIN OIL (contd.)

i01035040



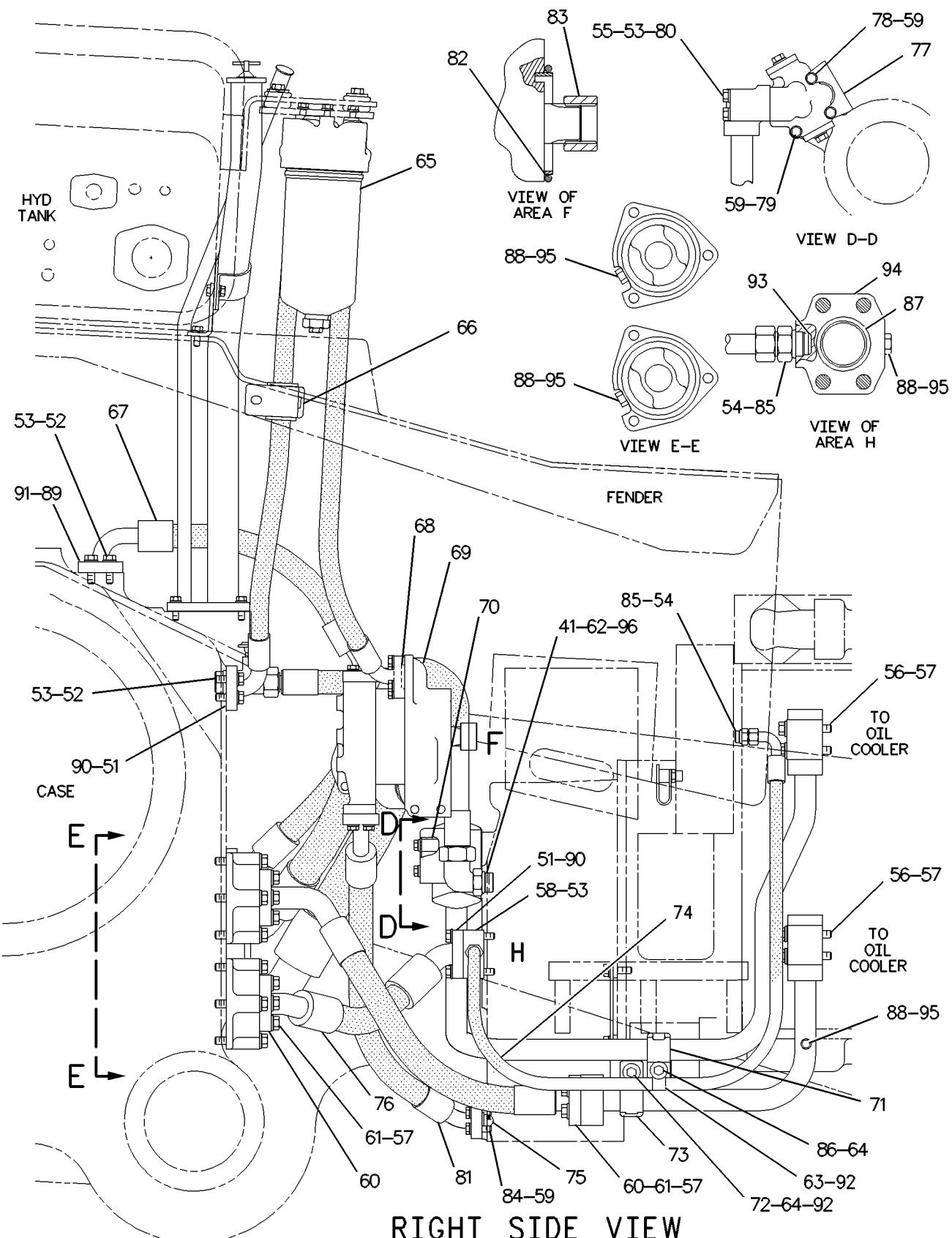
GRAPHIC #1

g00533704

# POWER TRAIN

6Y-3517 LINES GP - POWER TRAIN OIL (contd.)

i01035040



GRAPHIC #2

g00533705

# POWER TRAIN

## 6Y-3517 LINES GP-POWER TRAIN OIL

S/N: 9EM783-UP

SMCS-3016

i01461585

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6	
I	1	2	<b>6Y-4064</b>	1	HOSE AS	
	2	1,2	<b>8M-4986</b>	2	SEAL-O-RING	
	3	2	<b>8M-8157</b>	1	SEAL-O-RING	
Y	4	2	<b>9W-5596</b>	1	VALVE GP-RELIEF	528
C	5	2,3	<b>1P-4578</b>	6	FLANGE-HALF	
C	6	2,3	<b>8T-8916</b>	10	BOLT (7/16-14X1.5 IN)	
I	7	2	<b>6Y-4066</b>	1	HOSE AS	
	8	2	<b>7T-6031</b>	1	TUBE AS	
	9	2,3	<b>1P-4577</b>	4	FLANGE-HALF	
	10	2	<b>6Y-4687</b>	1	BRACKET AS	
	11	2	<b>6Y-3985</b>	1	TUBE AS	
I	12	2	<b>114-6572</b>	1	HOSE AS	
	13	2	<b>9S-4181</b>	1	PLUG	
	14	2,3	<b>7X-0772</b>	3	WASHER-HARD (10.2X25.5X2.5MM THK)	
I	15	2	<b>6Y-4059</b>	1	HOSE AS	
	16	2	<b>7T-9284</b>	2	MANIFOLD	
		2	<b>6V-5101</b>	2	SEAL-O-RING	
	17	2	<b>150-4049</b>	2	ELBOW GP	
					(EACH INCLUDES)	
		2	<b>8T-4149</b>	1	ELBOW	
		2	<b>6V-9746</b>	1	SEAL-O-RING	
		2	<b>7M-8485</b>	1	SEAL-O-RING	
C	18	2,3	<b>1P-3705</b>	3	SEAL-RECTANGULAR	
	19	2,3	<b>7X-0326</b>	14	BOLT (1/2-13X3 IN)	
C	20	1,2,3	<b>8T-4223</b>	34	WASHER-HARD (13.5X25.5X3MM THK)	
	21	2,3	<b>4J-0520</b>	5	SEAL-O-RING	
	22	2,3	<b>8T-4896</b>	19	WASHER-HARD (10.2X18.5X2.5MM THK)	
	23	2	<b>9B-7237</b>	4	BOLT (3/8-16X1.25 IN)	
	24	2	<b>6Y-5436</b>	1	TUBE AS	
		2	<b>6T-3714</b>	1	GASKET	
	25	2	<b>5S-7379</b>	3	BOLT (3/8-16X0.875 IN)	
	26	1,3	<b>1P-4579</b>	8	FLANGE-HALF	
C	27	1,2	<b>8C-3447</b>	2	CAP-DUST	
	28	1,3	<b>8T-8919</b>	4	BOLT (1/2-13X1.75 IN)	
	29	2	<b>4J-0527</b>	1	SEAL-O-RING	
	30	2	<b>5P-7468</b>	1	CLIP (SLOT)	
		2	<b>5P-7469</b>	1	CLIP (TAB)	
	31	1,2,3	<b>4J-0524</b>	5	SEAL-O-RING	
	32	2,3	<b>4L-6454</b>	3	BOLT (3/8-16X1 IN)	
	33	2	<b>8E-4331</b>	1	PLATE AS	
I	34	1	<b>6Y-4063</b>	1	HOSE AS	
I	35	1	<b>6Y-4077</b>	1	HOSE AS	
	36	1	<b>5P-2424</b>	4	BOLT (1/2-13X2.25 IN)	
	37	1	<b>1P-4584</b>	2	FLANGE-HALF	
	38	1	<b>6J-2680</b>	1	SEAL-O-RING	
	39	1	<b>6Y-5439</b>	1	FLANGE	
		1	<b>1H-7339</b>	1	SEAL-O-RING	
	40	1	<b>9P-0214</b>	1	SCREEN AS	
C	41	1,2	<b>7M-8485</b>	2	SEAL-O-RING	
	42	1	<b>150-3059</b>	1	TEE GP	
		1	<b>8T-1674</b>	1	TEE	
		1	<b>5K-9090</b>	1	SEAL-O-RING	
		1	<b>7M-8485</b>	1	SEAL-O-RING	
	43	2	<b>107-2498</b>	1	PLUNGER AS	
I	44	1	<b>9U-8249</b>	1	HOSE AS	
	45	1	<b>5P-3501</b>	1	ADAPTER	
	46	1,2,3	<b>3J-1907</b>	5	SEAL-O-RING	

# POWER TRAIN

**6Y-3517 LINES GP - POWER TRAIN OIL (contd.)**

i01461585

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE
					1 2 3 4 5 6		
	47	1	9G-5127	1	BREATHER (PRESSURE RELIEF)		
	48	2	6N-2985	1	CAP AS-FILLER		
	49	2	5S-7349	1	BOLT (1/4-20X0.5 IN)		
		2	8T-4205	1	WASHER-HARD (7.2X14.5X2MM THK)		
	50	2	6V-3965	1	FITTING AS		
	51	2	6V-0852	1	CAP-DUST		
	52	2	4I-6287	1	COUPLING AS		
	53	1	148-8458	1	UNION GP		
		1	6V-9807	1	UNION		
		1	6V-8397	2	SEAL-O-RING		
	54	3	6W-6672	1	SPACER (10.5X20X38MM THK)		
	55	1	126-0814	1	FITTING AS		
	56	2,3	8T-5360	18	WASHER (12X22.5X2.5MM THK)		
C	57	2,3	4J-0522	3	SEAL-O-RING		
	58	3	7X-0313	4	BOLT (7/16-14X2.75 IN)		
C	59	3	5P-2566	8	BOLT (1/2-13X1.5 IN)		
	60	1,3	148-8318	2	CONNECTOR GP		
					(EACH INCLUDES)		
C		1,3	6V-8634	1	CONNECTOR		
		1,3	3K-0360	1	SEAL-O-RING		
		1,3	6V-8397	1	SEAL-O-RING		
	61	1	6V-5387	1	PLATE-ORIFICE		
	62	3	148-8357	1	ELBOW GP		
		3	6V-9008	1	ELBOW		
		3	5K-9090	1	SEAL-O-RING		
		3	7M-8485	1	SEAL-O-RING		
	63	3	8M-2773	1	CLIP		
C	64	1,3	9S-4191	3	PLUG		
CY	65	3	155-5748	1	FILTER GP-OIL		447
	66	3	5P-7466	1	CLIP (SLOT)		
		3	5P-7467	1	CLIP (TAB)		
		3	5P-8112	1	GROMMET		
I	67	3	6Y-4057	1	HOSE AS		
	68	3	4J-5267	1	SEAL-O-RING		
CY	69	3	151-8277	1	PUMP GP-GEAR		496
	70	3	5T-6374	2	SPACER (10.5X20X40MM THK)		
	71	3	3G-4214	1	CLIP (SLOT)		
		3	3G-4218	1	CLIP (TAB)		
C	72	1	7V-8532	1	SPACER		
	73	3	3P-0572	1	CLIP (TAB)		
		3	3P-0574	1	CLIP (SLOT)		
I	74	3	6Y-4065	1	HOSE AS		
	75	3	3T-6471	1	SCREEN AS		
I	76	3	132-8315	1	HOSE AS		
	77	3	7T-3372	1	SHIELD		
	78	3	7X-0293	2	BOLT (3/8-16X4.75 IN)		
	79	3	8T-7008	1	BOLT (3/8-16X3 IN)		
	80	3	7X-0314	4	BOLT (7/16-14X3 IN)		
I	81	3	6Y-4086	1	HOSE AS		
	82	1	2H-6184	1	SEAL-O-RING		
C	83	1	151-7413	1	COUPLING		
	84	3	5S-7382	8	BOLT (3/8-16X1.375 IN)		
	85	2	8C-3446	1	VALVE GP-FLUID SAMPLING		
		2	3J-7354	1	SEAL-O-RING		
	86	3	4L-6459	1	BOLT (3/8-16X2.5 IN)		

C-CHANGE FROM PREVIOUS TYPE

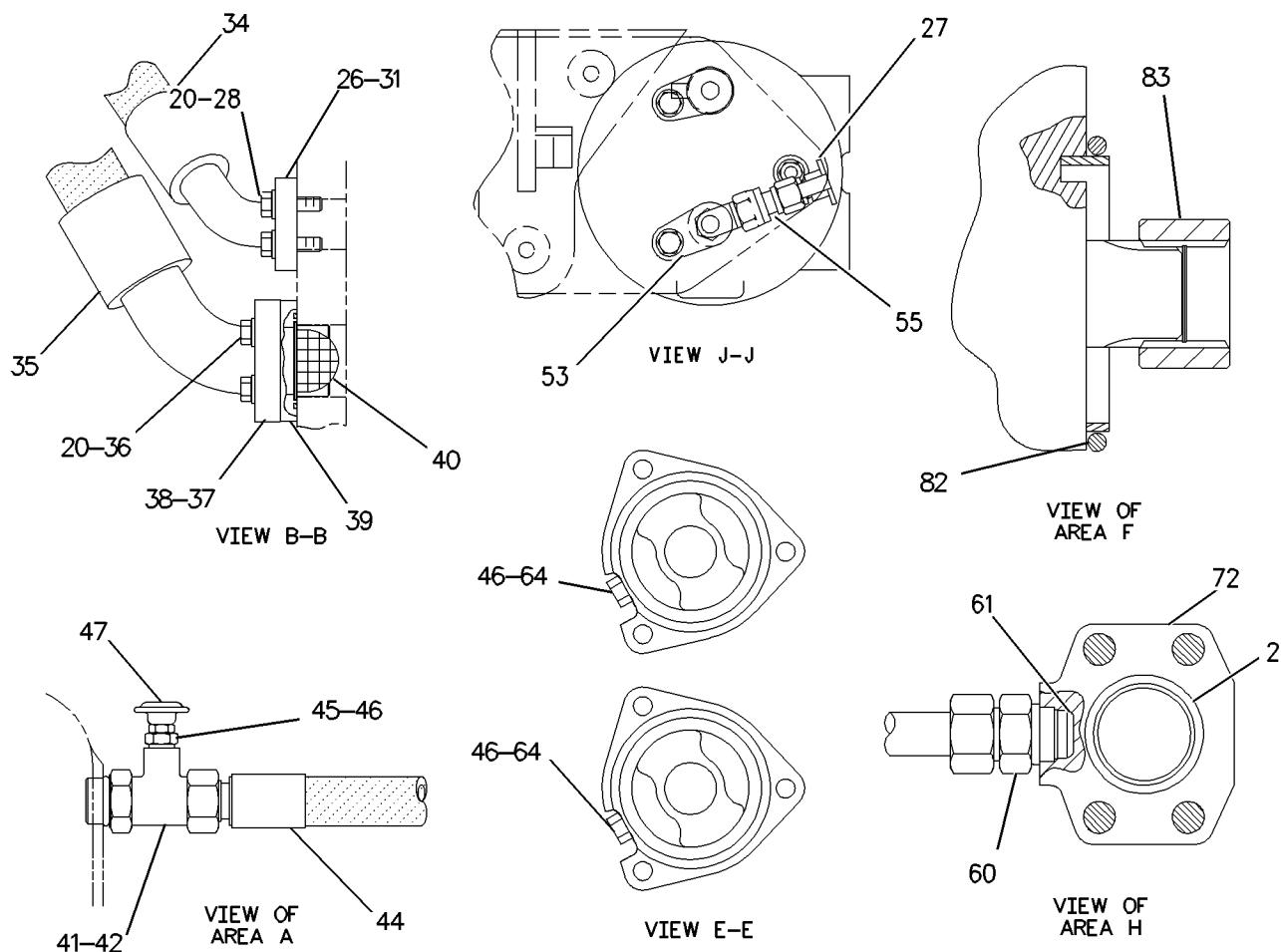
I-SEE HOSE FABRICATION GUIDE

Y-SEPARATE ILLUSTRATION

# POWER TRAIN

6Y-3517 LINES GP - POWER TRAIN OIL (contd.)

i01461585



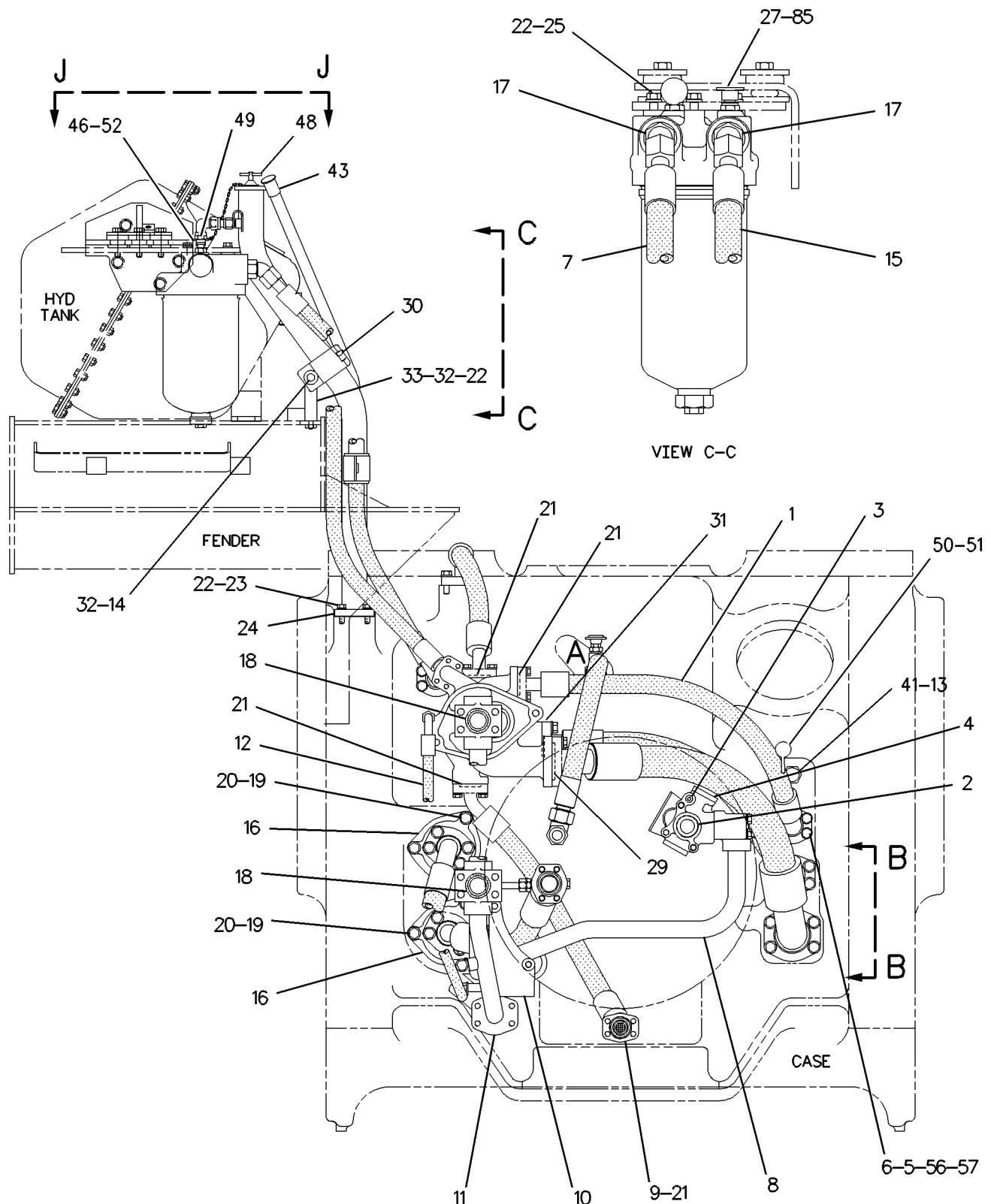
GRAPHIC #1

g00868800

# POWER TRAIN

6Y-3517 LINES GP - POWER TRAIN OIL (contd.)

i01461585



REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

FRONT VIEW

GRAPHIC #2

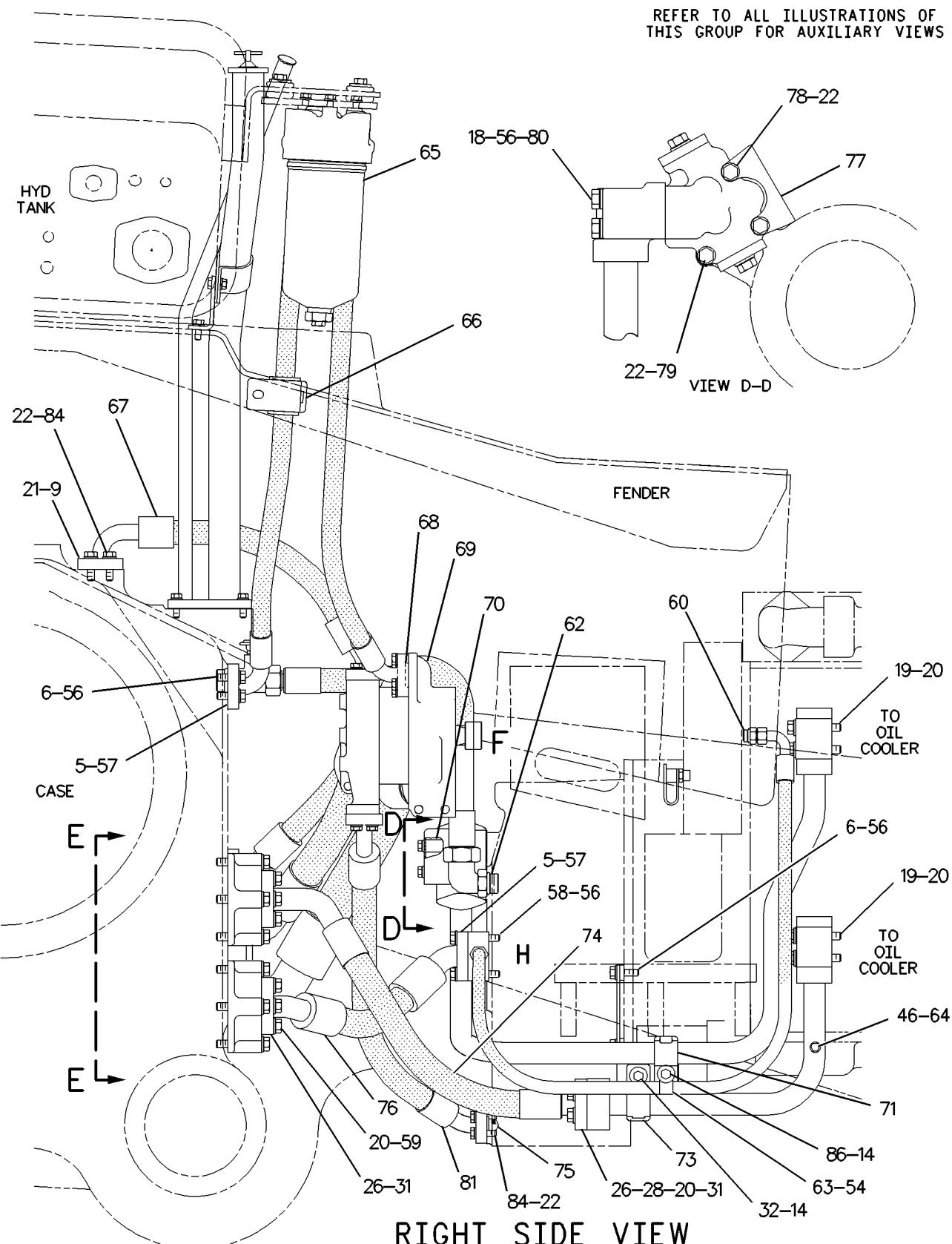
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# POWER TRAIN

6Y-3517 LINES GP - POWER TRAIN OIL (contd.)

i01461585

REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS



GRAPHIC #3

g00868799

# POWER TRAIN

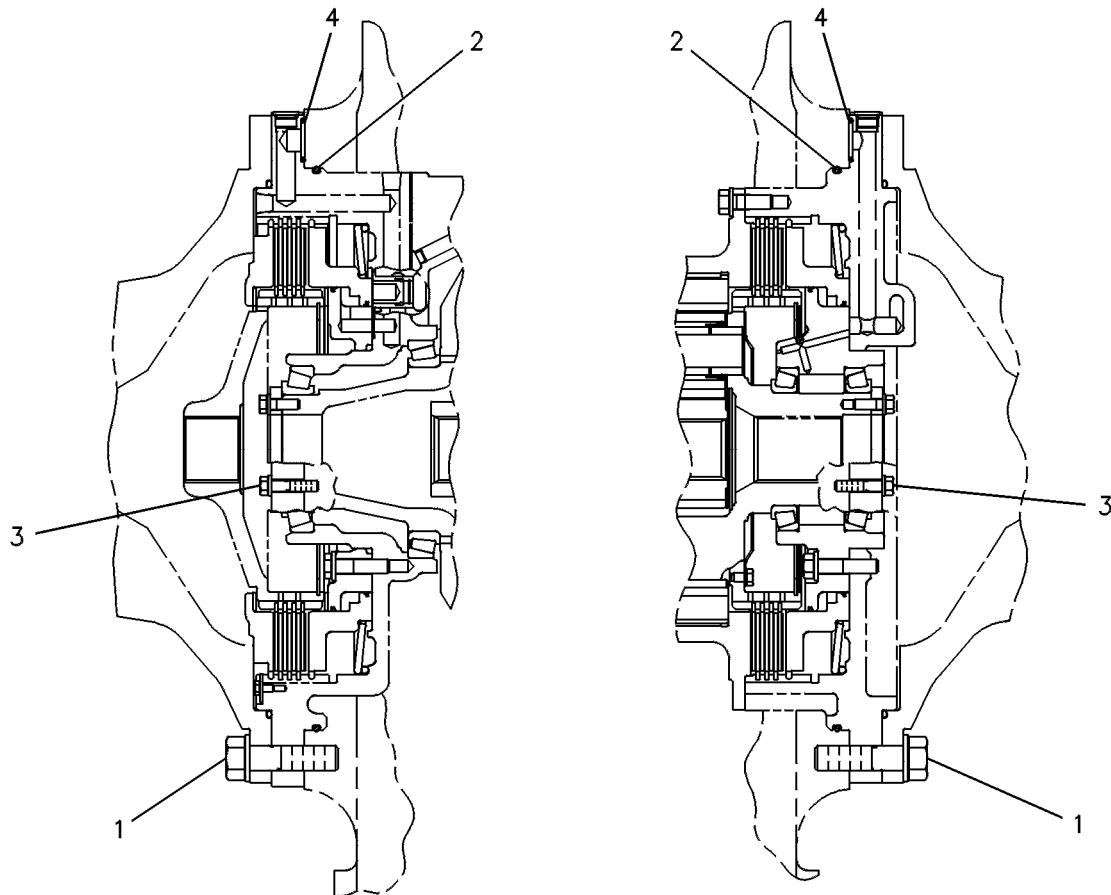
## 109-0136 MOUNTING GP-FINAL DRIVE

S/N: 9EM1-UP

SMCS-4050

i01065809

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		1D-4628	52	BOLT (7/8-9X3.25IN)						
			5P-8249	52	WASHER-HARD (4.0MM THK)						
2	1		8D-4771	2	SEAL-O-RING						
3	1		5S-7383	4	BOLT						
			8T-4896	4	WASHER						
4	1		6F-6673	4	SEAL-O-RING (31.34MM ID)						



GRAPHIC #1

g00247103

# POWER TRAIN

## 6T-0009 MOUNTING GP-TRANSMISSION

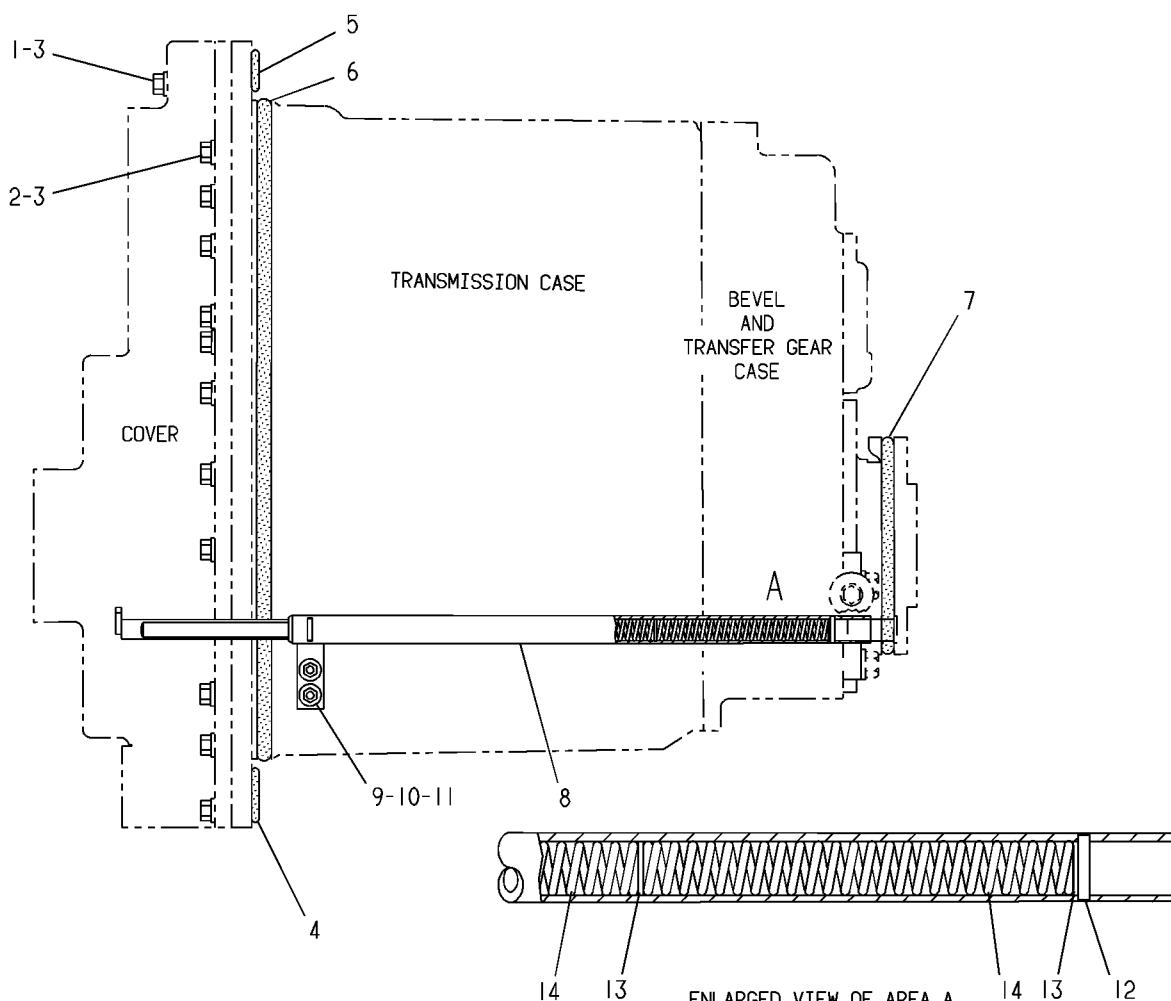
S/N: 9EM1-UP

SMCS-3030

i01065788

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
1	1		7X-0332	3	BOLT (1/2-13X4.50IN)							
2	1		7X-0325	19	BOLT (1/2-13X0.75IN)							
3	1		8T-4223	22	WASHER							
4	1		8M-4390	1	SEAL-O-RING (56.74MM ID)							
5	1		9M-7002	3	SEAL-O-RING (37.47MM ID)							
6	1		2D-6506	1	SEAL-O-RING							
7	1		1M-9011	1	RING-SEALING							
C	8	1	9W-6359	2	TUBE AS							
9	1		5S-7382	4	BOLT							
10	1		7X-0772	8	WASHER-HARD (2.5MM THK)							
11	1		2K-4973	4	LOCKNUT							
12	1		1H-1200	2	PIN SPRING							
13	1		8T-5360	4	WASHER							
14	1		5S-7008	4	SPRING							

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

g00184152

# POWER TRAIN

## 105-2488 PLANETARY GP - TRANSMISSION

S/N: 8YX1-UP

### PART OF 105-8185 TRANSMISSION AR

SMCS-3155, 3160, 3169, 3170, 3187, 3189, 3190, 3304

i01040009

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
	1	1	8M-5010	2	SEAL (53.57MM ID)							
	2	1	068-8093	2	RING-RETAINING							
	3	1	3T-4377	2	SEAL-RING							
	4	1	8H-5352	2	BALL BEARING							
	5	1	111-7470	1	HOUSING AS							
		1	3F-5022	1	PLUG-CUP							
	6	1	9W-6186	1	PISTON-CLUTCH							
	7	1	6Y-4771	1	COUPLING							
	8	1	9P-7390	10	DISC AS-FRICTION							
R	9	1	8P-2051	8	PLATE-CLUTCH							
	10	1	7T-9272	1	GEAR-SUN (34 TEETH)							
	11	1	030-8538	1	BOLT (1/2-13X1.25IN)							
	12	1	5P-8245	11	WASHER (3MM THK)							
	13	1	7T-6580	1	GEAR-RING (82 TEETH)							
	14	1	9W-0645	1	TUBE AS							
	15	1	6Y-4834	1	PLATE AS							
		1	3S-2708	1	PIN-SPRING							
		1	8T-1445	2	DOWEL							
	16	1	6V-0473	3	RING-RETAINING							
	17	1	7T-8816	3	BALL BEARING							
	18	1	6Y-0061	1	GEAR (37 TEETH)							
	19	1	6I-9786	1	GEAR-RING (93 TEETH)							
	20	1	130-8412	1	PISTON-CLUTCH							
	21	1	9W-2997	1	HOUSING-CLUTCH							
	22	1	1A-5183	2	BOLT (3/8-16X4.75IN)							
	23	1	6I-8500	3	PLATE-CLUTCH							
	24	1	6Y-5911	5	DISC-FRICTION							
	25	1	9M-4355	10	DAMPER-BOLT							
	26	1	061-6711	2	RING-RETAINING							
	27	1	9P-8626	1	GEAR-SUN (42 TEETH)							
	28	1	8P-9507	1	PISTON-CLUTCH							
	29	1	144-4284	3	LOCKRING							
	30	1	138-3759	1	GEAR-RING (93 TEETH)							
	31	1	6I-9785	1	CARRIER-PLANETARY							
	32	1	7T-9369	1	GEAR-SUN (50 TEETH)							
	33	1	8M-5266	1	SEAL-O-RING							
	34	1	9W-8269	1	PLATE-REACTION							
	35	1	5P-5296	2	RING-RETAINING							
	36	1	8P-1964	3	PLATE-CLUTCH							
	37	1	9G-0290	1	HUB-CLUTCH							
	38	1	7G-7724	1	PISTON-CLUTCH							
	39	1	9W-8270	1	GEAR-RING (90 TEETH)							
	40	1	108-7742	1	MANIFOLD							
	41	1	5P-8194	1	RING-RETAINING							
	42	1	9G-8020	1	PLATE-RETAINER							
	43	1	105-8183	1	HOUSING AS							
		1	6B-6863	1	PIN-SPRING							
		1	6P-7704	1	CARRIER-RING							
	44	1	7G-2343	3	SPRING-DISC							
	45	1	6V-2478	1	RING-RETAINING							
	46	1	7G-2830	2	RING-SEAL							
	47	1	8M-5255	1	SEAL-O-RING (120.24MM ID)							
	48	1	7T-9275	1	SHAFT AS-OUTPUT							
		1	3T-8729	1	BEARING-SLEEVE (57.30MM OD)							
		1	9G-6744	1	BEARING-SLEEVE (64.71MM OD)							
	49	1	5M-3038	2	SEAL-O-RING (75.59MM ID)							

# POWER TRAIN

**105-2488 PLANETARY GP - TRANSMISSION (contd.)**

i01040009

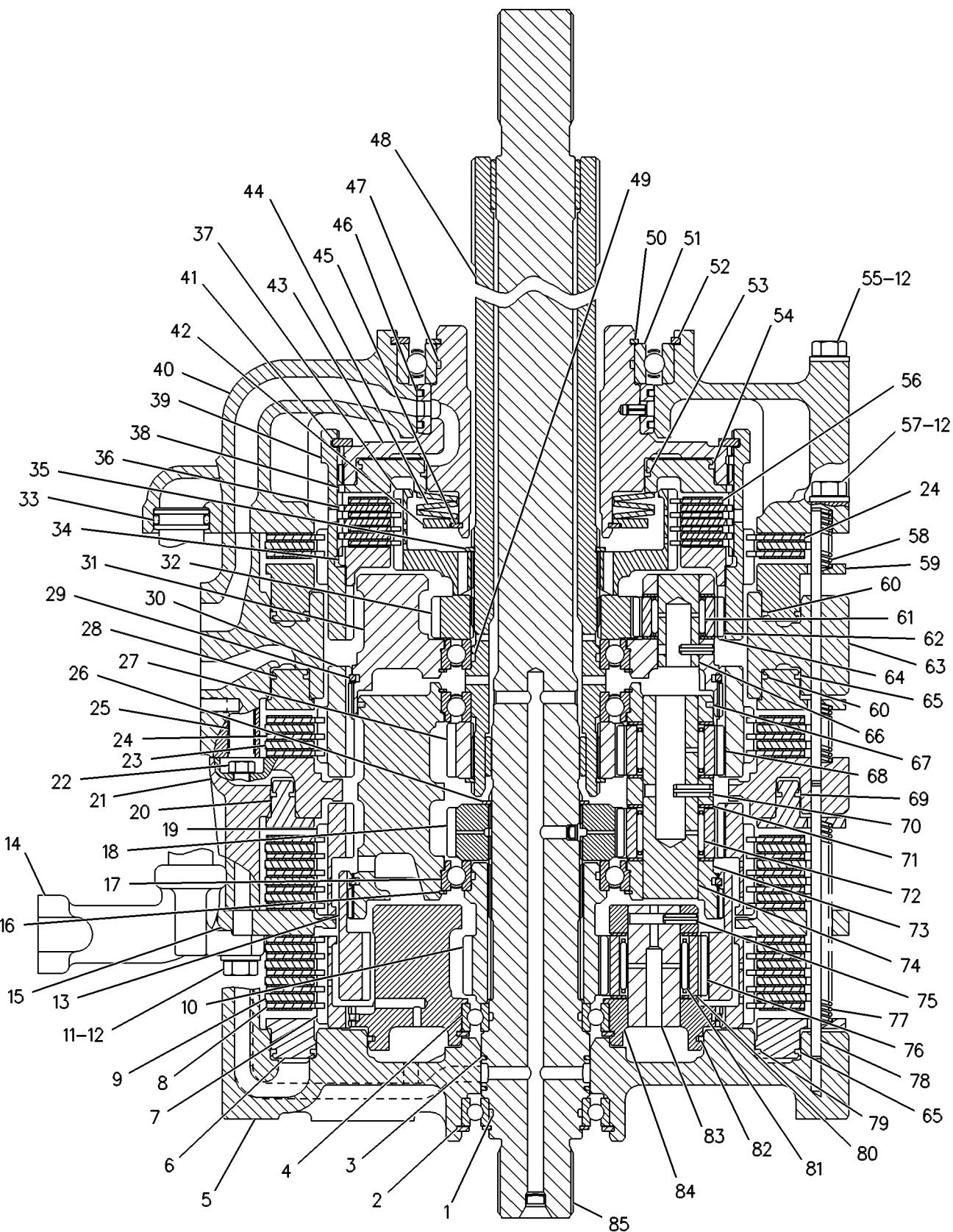
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE
					1 2 3 4 5 6		
50	1		<b>5P-5297</b>	1	RING-RETAINING		
51	1		<b>5P-5045</b>	1	BALL BEARING		
52	1		<b>1L-7388</b>	1	RING-RETAINING		
53	1		<b>8D-9739</b>	1	SEAL-RING		
54	1		<b>8P-2023</b>	1	RING-SEAL		
55	1		<b>1M-8657</b>	2	BOLT		
56	1		<b>6Y-5912</b>	4	DISC-FRICTION		
57	1		<b>4M-2442</b>	8	BOLT		
58	1		<b>4M-9592</b>	20	SPRING		
59	1		<b>8P-1892</b>	1	PISTON-CLUTCH		
60	1		<b>8P-2019</b>	4	RING-SEAL		
61	1		<b>5P-3930</b>	4	BEARING AS-ROLLER		
62	1		<b>8P-1916</b>	4	GEAR-PLANETARY (20 TEETH)		
63	1		<b>117-7826</b>	1	HOUSING AS-CLUTCH		
	1		<b>1A-2223</b>	4	DOWEL		
64	1		<b>8E-8299</b>	8	DISC-THRUST		
65	1		<b>8P-2022</b>	4	RING-SEAL		
66	1		<b>9G-0289</b>	4	SHAFT-PLANETARY		
67	1		<b>8P-2053</b>	1	SEAL-RING		
68	1		<b>6I-9788</b>	10	GEAR-PLANET (25 TEETH)		
69	1		<b>8P-9569</b>	1	RING-SEAL		
70	1		<b>112-4511</b>	5	PIN-SPRING		
71	1		<b>8E-8304</b>	20	DISC-THRUST		
72	1		<b>5M-6126</b>	10	BEARING		
73	1		<b>6I-9784</b>	1	CARRIER-PLANETARY		
74	1		<b>112-5585</b>	5	SHAFT-PLANETARY		
75	1		<b>3S-2708</b>	8	PIN-SPRING		
76	1		<b>7T-6578</b>	4	GEAR (24 TEETH)		
77	1		<b>7H-7658</b>	10	SPRING		
78	1		<b>3K-2511</b>	10	DOWEL-REACTION		
79	1		<b>6T-0838</b>	1	RING-SEAL		
80	1		<b>8E-8303</b>	8	DISC-THRUST		
81	1		<b>6Y-2811</b>	4	BEARING		
82	1		<b>131-4091</b>	1	SEAL-RING		
83	1		<b>7T-6581</b>	4	SHAFT-PLANETARY		
84	1		<b>6Y-4846</b>	1	CARRIER-PLANETARY		
85	1		<b>111-7472</b>	1	SHAFT AS-INPUT		
	1		<b>3T-3175</b>	1	ORIFICE		
	1		<b>3T-4968</b>	1	PLUG-ORIFICE		

R - REMFG PART MAY BE AVAILABLE

# POWER TRAIN

105-2488 PLANETARY GP - TRANSMISSION (contd.)

i01040009



GRAPHIC #1

g00249023

# POWER TRAIN

## 6Y-3585 PUMP GP-GEAR

S/N: 9EM1-782

3 SECTION

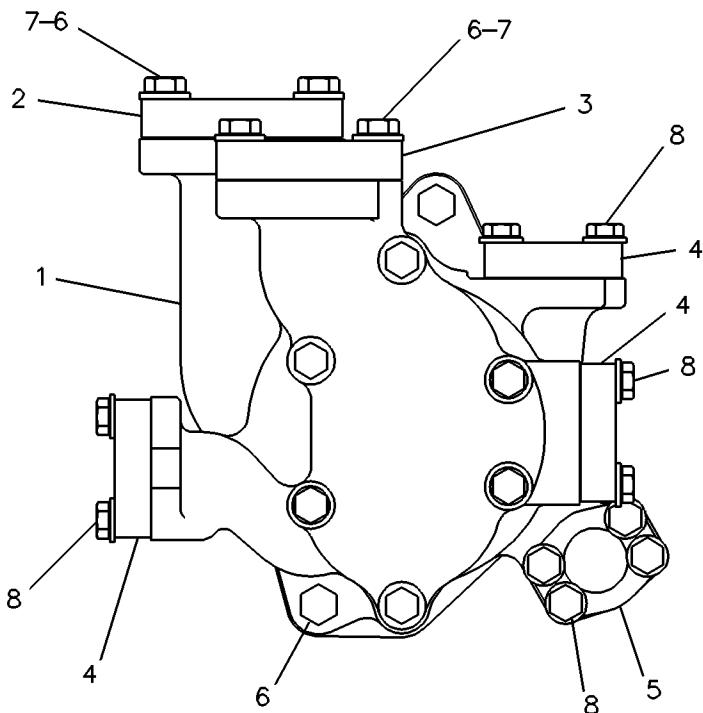
PART OF 6Y-3517 LINES GP-POWER TRAIN OIL

SMCS-3115, 3153

i01142738

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
Y	1	1	6Y-3586	1	PUMP GP-GEAR							494
	2	1	1P-4582	2	FLANGE-HALF							
	3	1	1P-4579	2	FLANGE-HALF							
	4	1	1P-4577	6	FLANGE-HALF							
	5	1	1P-4576	2	FLANGE							
	6	1	OS-1585	10	BOLT (1/2-13X1.50IN)							
	7	1	5P-8245	8	WASHER-HARD (3MM THK)							
	8	1	3B-1915	16	BOLT (3/8-16X1.375IN)							
		1	5M-2894	16	WASHER (2.5MM THK)							

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00222710

# POWER TRAIN

## 6Y-3586 PUMP GP-GEAR

S/N: 9EM1-782

3 SECTION

PART OF 6Y-3585 PUMP GP-GEAR

**SMCS-3115, 3153**

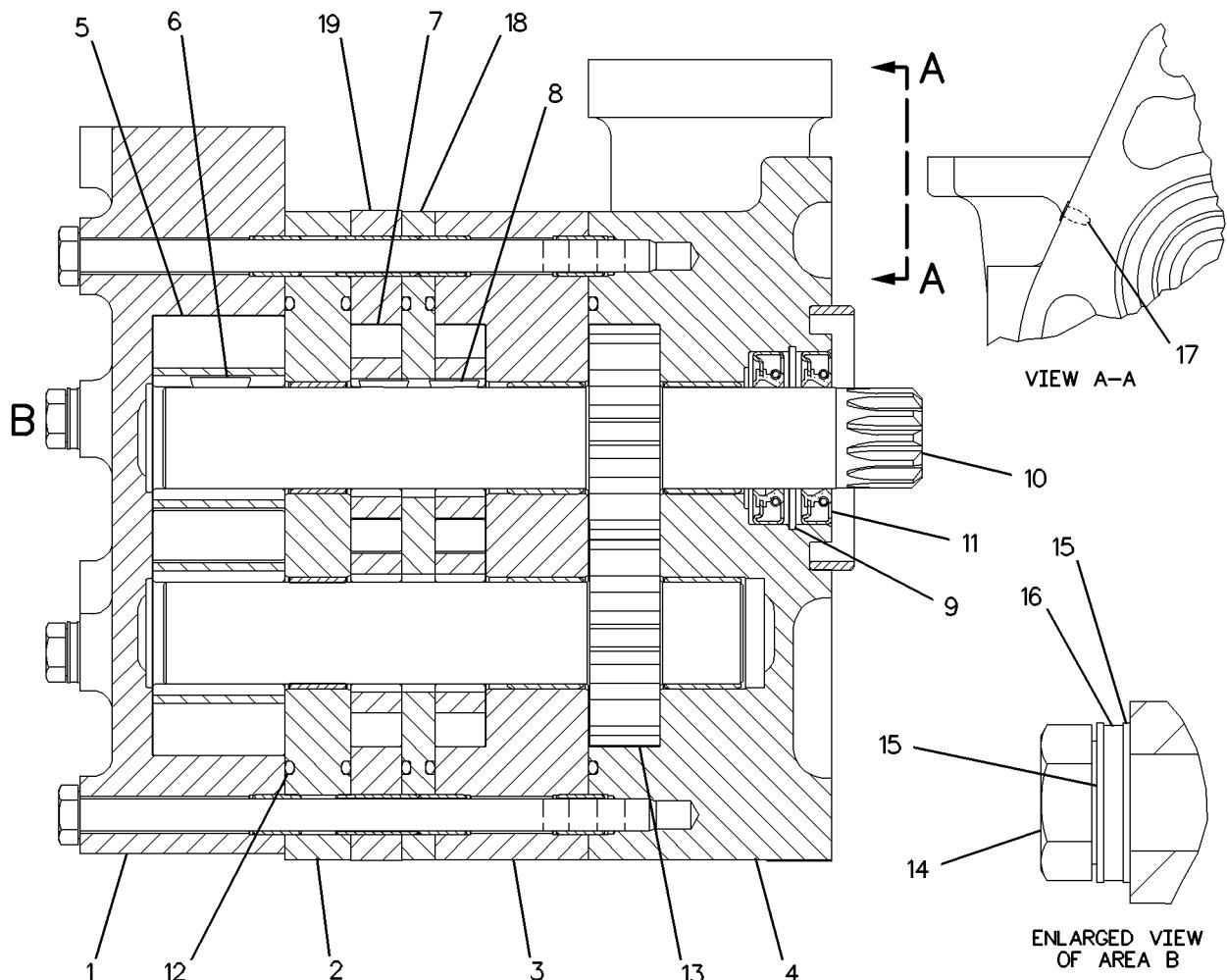
**i00857003**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		<b>8E-5256</b>	1	BODY AS-OIL PUMP	
			<b>8M-8489</b>	2	DOWEL (12.54MM DIA)	
2	1		<b>6Y-4196</b>	1	COVER AS-PUMP	
			<b>9M-4372</b>	2	BEARING-SLEEVE	
3	1		<b>6Y-4195</b>	1	BODY AS-OIL PUMP	
			<b>1M-3780</b>	2	BEARING (25.413 MM OD)	
			<b>8M-8489</b>	4	DOWEL (12.54MM DIA)	
4	1		<b>6Y-4201</b>	1	BODY AS-OIL PUMP	
			<b>1M-3780</b>	2	BEARING (25.413 MM OD)	
			<b>6Y-4205</b>	1	ADAPTER	
5	1		<b>3P-7785</b>	2	GEAR-OIL PUMP (8 TEETH)	
6	1		<b>2B-9373</b>	1	KEY-WOODRUFF (.75X.25IN)	
7	1		<b>3T-8757</b>	4	GEAR-OIL PUMP (12 TEETH)	
8	1		<b>1B-8705</b>	2	KEY-WOODRUFF	
9	1		<b>3J-8500</b>	1	RING-RETAINING	
10	1		<b>6Y-4200</b>	1	GEAR-OIL PUMP (12 TEETH)	
11	1		<b>137-7657</b>	2	SEAL-LIP TYPE	
12	1		<b>2D-8009</b>	5	SEAL-O-RING (142.47MM ID)	
13	1		<b>6Y-4199</b>	1	GEAR-OIL PUMP (12 TEETH)	
14	1		<b>9F-8999</b>	6	BOLT (3/8-16X7IN)	
15	1		<b>6Y-5010</b>	8	WASHER (0.84MM THK)	
16	1		<b>3S-0004</b>	4	WASHER (2.29MM THK) (0.09MM THK)	
17	1		<b>3G-7242</b>	1	PLUG	
18	1		<b>9W-3273</b>	1	SPACER-OIL PUMP	
19	1		<b>2S-0189</b>	1	BODY AS-OIL PUMP	
	1		<b>5M-3605</b>	2	DOWEL	

# POWER TRAIN

6Y-3586 PUMP GP-GEAR (*contd.*)

i00857003



GRAPHIC #1

g00216430

# POWER TRAIN

## 151-8277 PUMP GP-GEAR

S/N: 9EM783-UP

3 SECTION

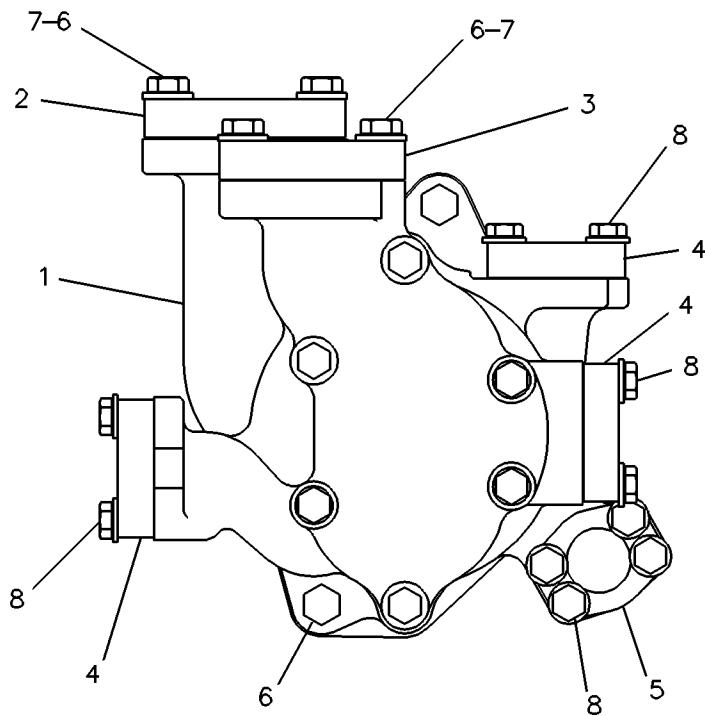
PART OF 6Y-3517 LINES GP-POWER TRAIN OIL

SMCS-3115, 3153

i01230825

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6 (PRODUCT LEVEL)		
Y	1	1	155-3609	1	PUMP GP-GEAR							498
	2	1	1P-4582	2	FLANGE-HALF							
	3	1	1P-4579	2	FLANGE-HALF							
	4	1	1P-4577	6	FLANGE-HALF							
	5	1	1P-4576	2	FLANGE							
	6	1	0S-1585	10	BOLT (1/2-13X1.50IN)							
	7	1	5P-8245	8	WASHER-HARD (3MM THK)							
	8	1	3B-1915	16	BOLT (3/8-16X1.375IN)							
		1	5M-2894	16	WASHER (2.5MM THK)							

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00222710

# POWER TRAIN

## 155-3609 PUMP GP-GEAR

S/N: 9EM783-UP

3 SECTION

PART OF 151-8277 PUMP GP-GEAR

**SMCS-3115, 3153**

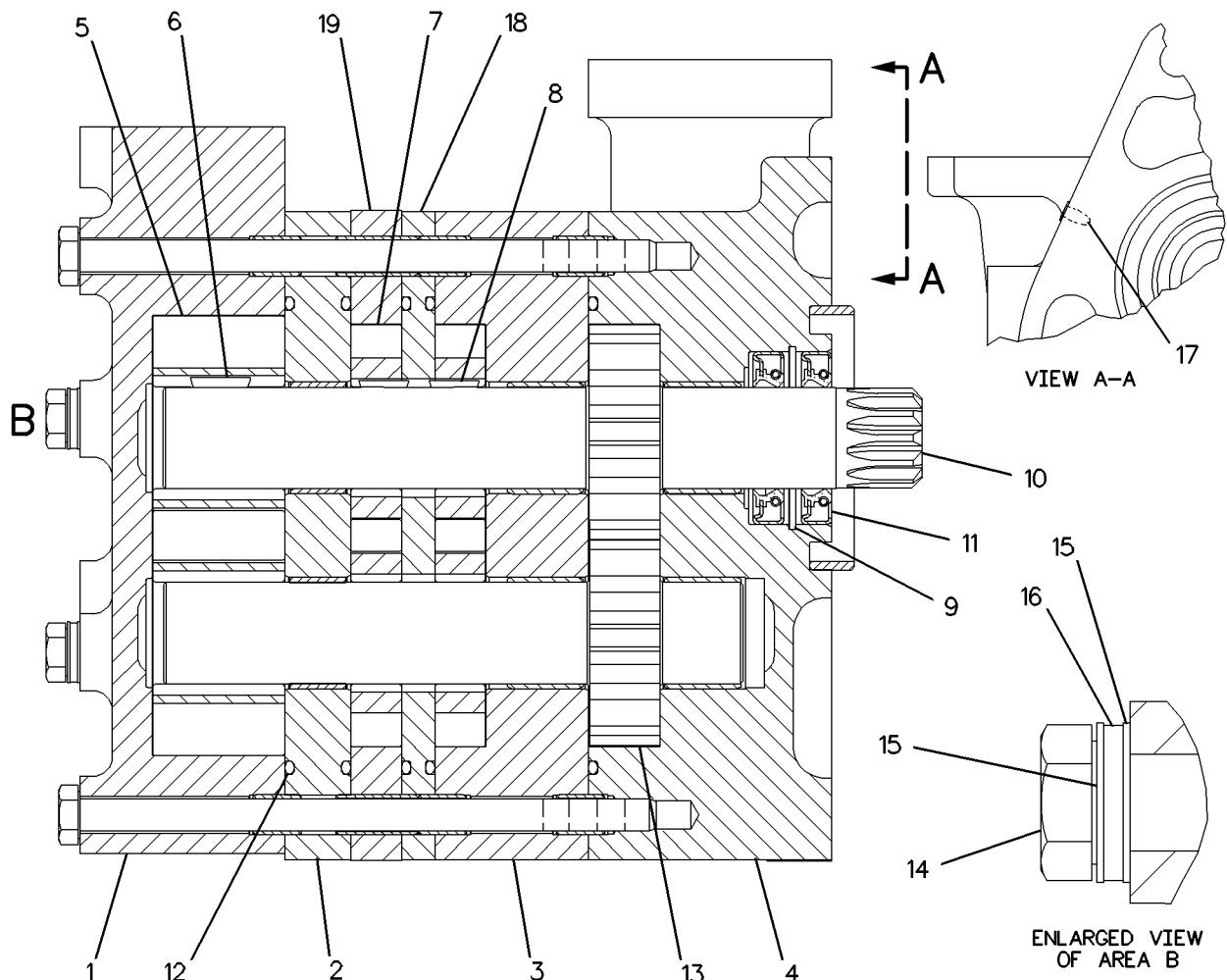
**i01230850**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		<b>8E-5256</b>	1	BODY AS-OIL PUMP	
			<b>8M-8489</b>	2	DOWEL (12.54MM DIA)	
2	1		<b>6Y-4196</b>	1	COVER AS-PUMP	
			<b>9M-4372</b>	2	BEARING-SLEEVE	
3	1		<b>6Y-4195</b>	1	BODY AS-OIL PUMP	
			<b>1M-3780</b>	2	BEARING (25.413 MM OD)	
			<b>8M-8489</b>	4	DOWEL (12.54MM DIA)	
4	1		<b>6Y-4201</b>	1	BODY AS-OIL PUMP	
			<b>1M-3780</b>	2	BEARING (25.413 MM OD)	
			<b>6Y-4205</b>	1	ADAPTER	
5	1		<b>3P-7785</b>	2	GEAR-OIL PUMP (8 TEETH)	
6	1		<b>2B-9373</b>	1	KEY-WOODRUFF (.75X.25IN)	
7	1		<b>3T-8757</b>	4	GEAR-OIL PUMP (12 TEETH)	
8	1		<b>1B-8705</b>	2	KEY-WOODRUFF	
9	1		<b>3J-8500</b>	1	RING-RETAINING	
10	1		<b>151-8285</b>	1	GEAR AS	
11	1		<b>137-7657</b>	2	SEAL-LIP TYPE	
12	1		<b>2D-8009</b>	5	SEAL-O-RING (142.47MM ID)	
13	1		<b>6Y-4199</b>	1	GEAR-OIL PUMP (12 TEETH)	
14	1		<b>9F-8999</b>	6	BOLT (3/8-16X7IN)	
15	1		<b>6Y-5010</b>	8	WASHER (0.84MM THK)	
16	1		<b>3S-0004</b>	4	WASHER (2.29MM THK)	
17	1		<b>3G-7242</b>	1	PLUG	
18	1		<b>9W-3273</b>	1	SPACER-OIL PUMP	
19	1		<b>2S-0189</b>	1	BODY AS-OIL PUMP	
	1		<b>5M-3605</b>	2	DOWEL	

# POWER TRAIN

155-3609 PUMP GP-GEAR (*contd.*)

i01230850



GRAPHIC #1

g00216430

# POWER TRAIN

## 6Y-3928 SEGMENT GP - SPROCKET

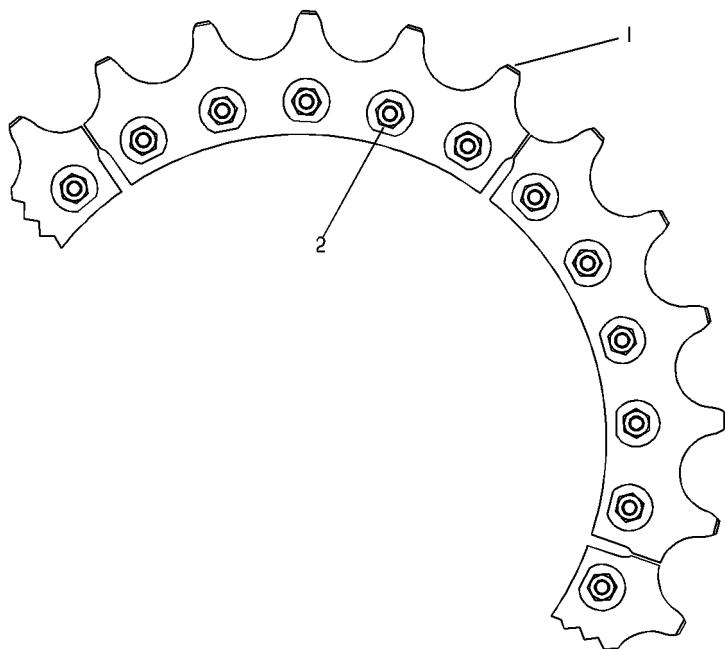
S/N: 9EM1-1225

PART OF 138-2034, 1Q-3054, 9W-9395 FINAL DRIVE GP  
ALSO AN ATTACHMENT

SMCS-4155

i01066390

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		162-9534	5	SEGMENT - SPROCKET						
2	1		7H-3608	25	NUT						
1			5P-7665	25	BOLT - SPROCKET						
1			6V-5841	25	WASHER-HARD						



GRAPHIC #1

g00200901

# POWER TRAIN

## 156-5341 SEGMENT GP - SPROCKET

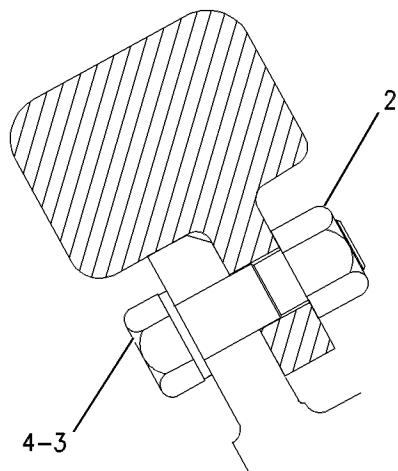
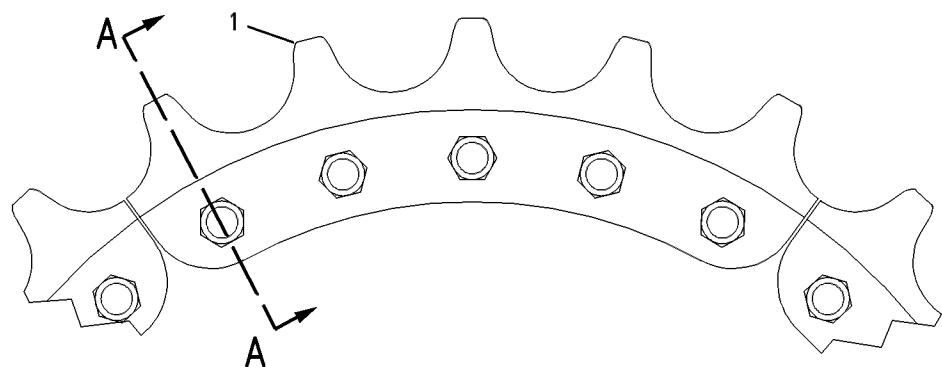
S/N: 9EM1226-UP

PART OF 157-5072, 159-7941, 1Q-3054 FINAL DRIVE GP  
ALSO AN ATTACHMENT

SMCS-4155

i01430470

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		173-0948	5	SEGMENT - SPROCKET						
2	1		7H-3608	25	NUT						
3	1		5P-7665	25	BOLT - SPROCKET						
4	1		6V-5841	25	WASHER - HARD						



SECTION A-A

GRAPHIC #1

g00525160

**POWER TRAIN**  
**3T-4457 SHAFT GP-MAIN DRIVE**  
S/N: 9EM1-UP

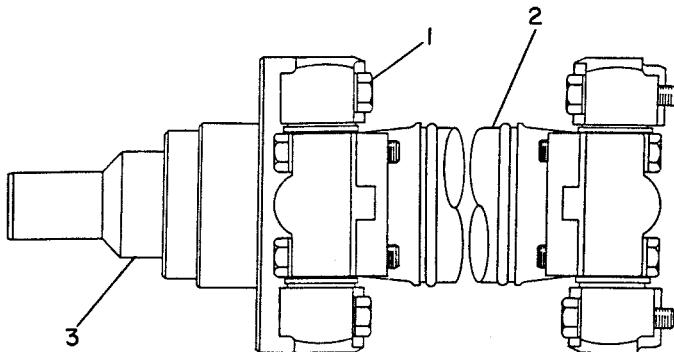
SMCS-3253

i00755427

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	OS-0484	8	BOLT (1/2-20X2.25IN)	
C		1	5P-7213	8	WASHER-HARD (2MM THK)	
Y	2	1	3T-4299	1	UNIVERSAL JOINT GP	521
3	1		9G-1930	1	YOKE AS	
		1	8H-2768	1	PLUG-CUP	
		1	7D-1677	1	RACE-BEARING INNER	

C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00184149

# POWER TRAIN

## 1T-1920 TORQUE CONVERTER GP

S/N: 95T9500-UP

PART OF 6Y-6929 TORQUE CONVERTER GP

**SMCS-3101, 3102, 3105, 3127, 3128, 3129, 3130,  
3131, 3134, 3135, 3136**

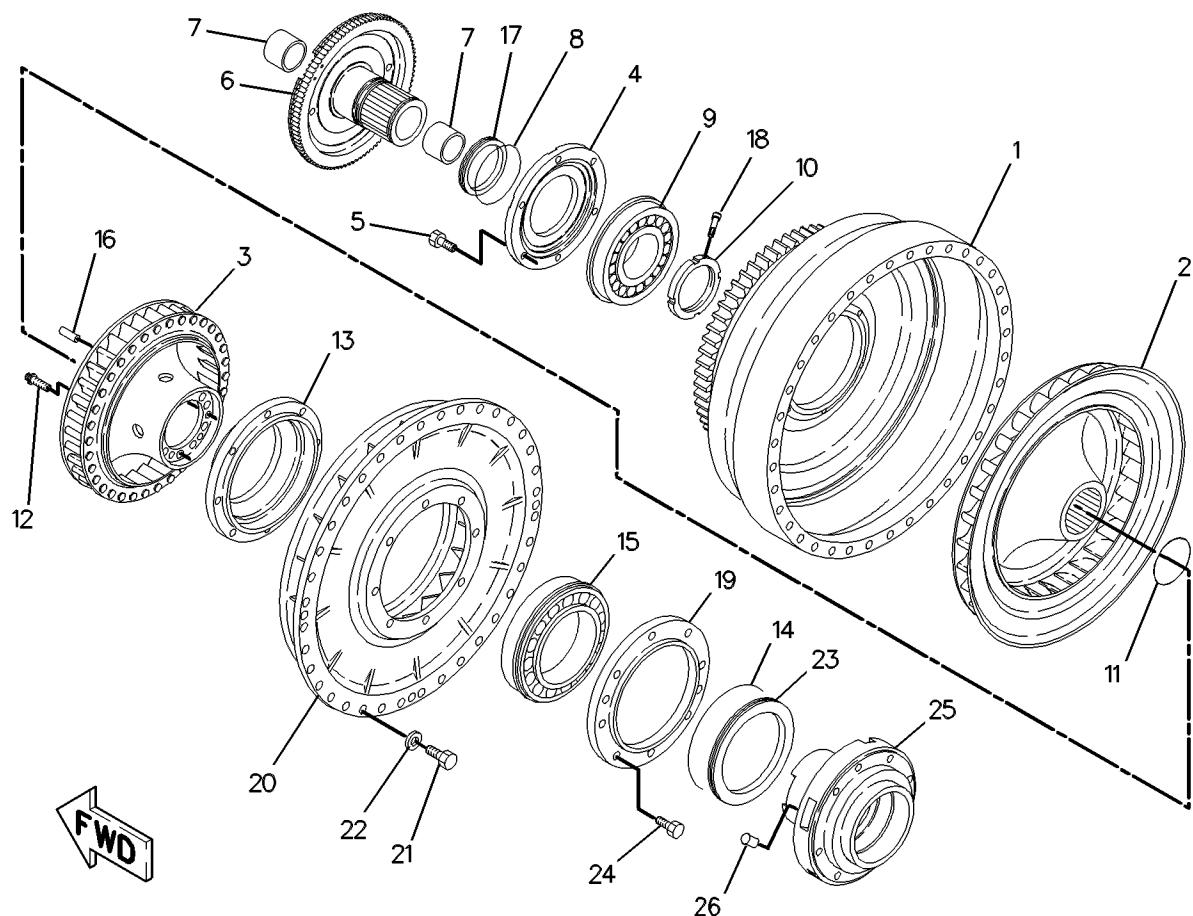
**i01137365**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		<b>1T-0437</b>	1	HOUSING							
2	1		<b>1T-1993</b>	1	WHEEL-TURBINE							
3	1		<b>1T-2052</b>	1	STATOR AS							
4	1		<b>1T-0438</b>	1	RETAINER-BEARING							
5	1		<b>1T-0446</b>	6	BOLT (3/8-16-2AX)							
6	1		<b>1T-1847</b>	1	FLANGE AS-OUTPUT							
7	1		<b>1T-0902</b>	2	BEARING-SLEEVE							
8	1		<b>1T-0097</b>	1	RING-METAL SEAL							
9	1		<b>6V-3323</b>	1	BALL BEARING							
10	1		<b>1T-1771</b>	1	LOCKNUT-BEARING							
11	1		<b>3F-3727</b>	1	RING-SNAP							
12	1		<b>1T-0414</b>	8	BOLT-12 POINT HEAD (5/16-18X1)							
13	1		<b>1T-0064</b>	1	CARRIER-BEARING							
14	1		<b>142-8540</b>	1	RING-SEAL							
15	1		<b>130-3373</b>	1	BALL BEARING							
16	1		<b>4H-1440</b>	6	PIN-SPRING							
17	1		<b>1T-0447</b>	1	CARRIER-RING							
18	1		<b>2H-0191</b>	2	BOLT							
19	1		<b>1T-1782</b>	1	RETAINER-BEARING							
20	1		<b>1T-0699</b>	1	IMPELLER-CONVERTER							
21	1		<b>4B-3388</b>	36	BOLT (5/16-18X1.125IN)							
22	1		<b>1T-0738</b>	36	WASHER (1.83MM THK)							
23	1		<b>1T-1880</b>	1	CARRIER-RING							
24	1		<b>1A-2209</b>	8	BOLT (3/8-24X1.25IN)							
25	1		<b>1T-2050</b>	1	CARRIER AS-STATIONARY							
26	1		<b>4S-8537</b>	1	DOWEL							

# POWER TRAIN

1T-1920 TORQUE CONVERTER GP (contd.)

i01137365



GRAPHIC #1

g00603584

# POWER TRAIN

## 1T-2071 TORQUE CONVERTER GP

S/N: TCD1-UP

PART OF 188-3865 TORQUE CONVERTER GP

SMCS-3101, 3102, 3105, 3127, 3128, 3129, 3130,  
3131, 3134, 3135, 3136

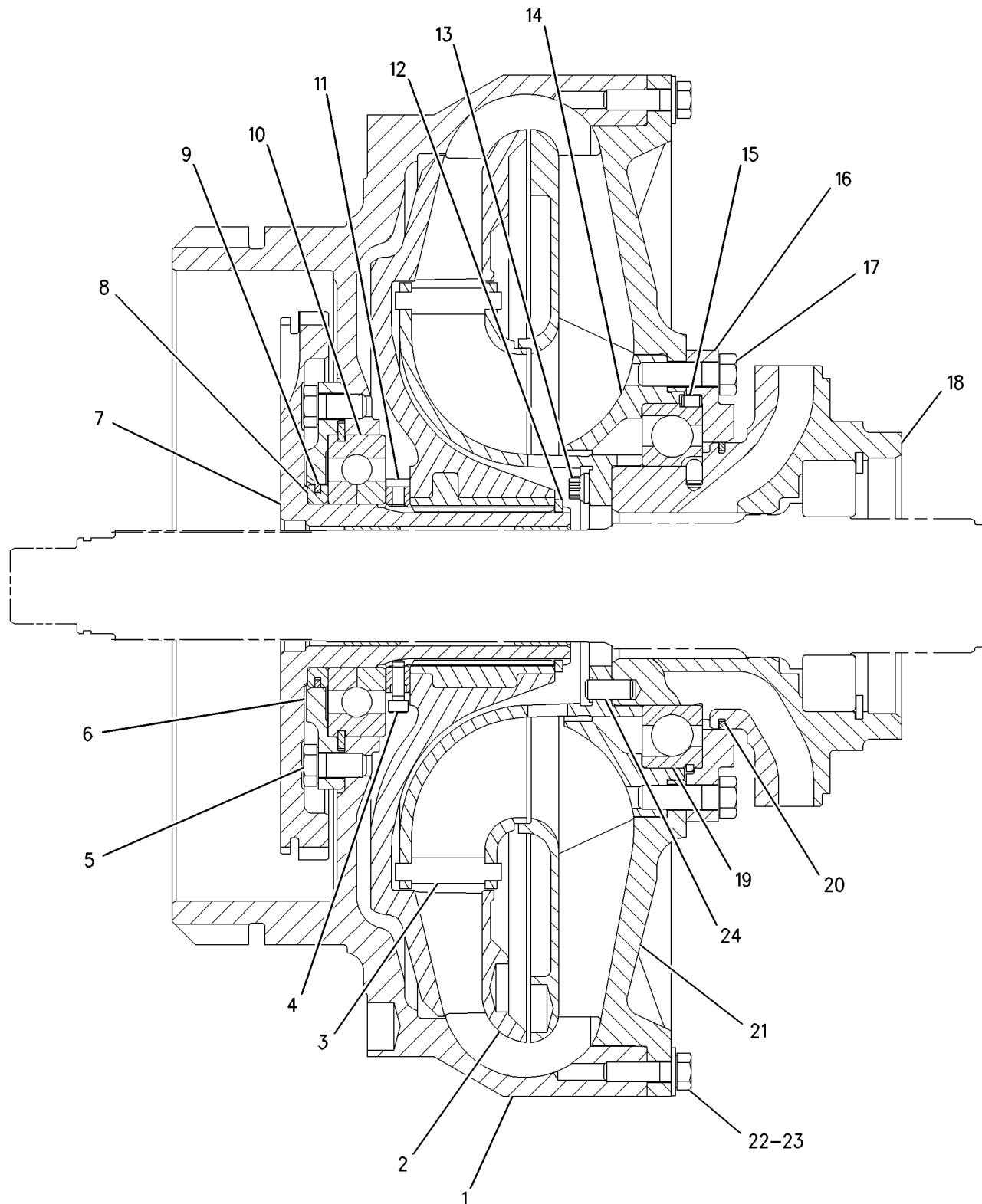
i01671713

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		1T-0437	1	HOUSING (ROTATING)						
2	1		1T-1993	1	WHEEL-TURBINE						
3	1		1T-2052	1	STATOR AS						
4	1		2H-0191	2	BOLT (10-24X0.625 IN)						
5	1		1T-0446	6	BOLT (3/8-16X.75 IN)						
6	1		1T-0438	1	RETAINER-BEARING						
7	1		1T-2073	1	FLANGE AS						
	1		1T-0902	2	BEARING-SLEEVE						
8	1		1T-0447	1	CARRIER-RING						
9	1		1T-0097	1	RING-METAL SEAL						
10	1		6V-3323	1	BALL BEARING						
11	1		1T-1771	1	LOCKNUT-BEARING						
12	1		3F-3727	1	RING-SNAP						
13	1		1T-0414	8	BOLT-12 POINT HEAD (5/16-18X1 IN)						
14	1		1T-2069	1	CARRIER-BEARING						
15	1		5B-0582	1	DOWEL						
16	1		1T-2070	1	RETAINER-BEARING						
17	1		1A-2209	8	BOLT (3/8-24X1.25 IN)						
18	1		1T-2075	1	CARRIER AS						
	1		4S-8537	1	DOWEL						
19	1		179-9579	1	BEARING						
20	1		1T-0069	1	RING-METAL SEAL						
21	1		1T-0699	1	IMPELLER-CONVERTER						
22	1		4B-3388	36	BOLT (5/16-18X1.125 IN)						
23	1		1T-0738	36	WASHER (8.4X19X1.83MM THK)						
24	1		4H-1440	6	PIN-SPRING						

# POWER TRAIN

1T-2071 TORQUE CONVERTER GP (contd.)

i01671713



GRAPHIC #1

g00859871

# POWER TRAIN

## **1T-2076 TORQUE CONVERTER GP**

S/N: 95T15147-UP

PART OF 6Y-6929 TORQUE CONVERTER GP

**SMCS-3101, 3102, 3105, 3127, 3128, 3129, 3130,  
3131, 3134, 3135, 3136**

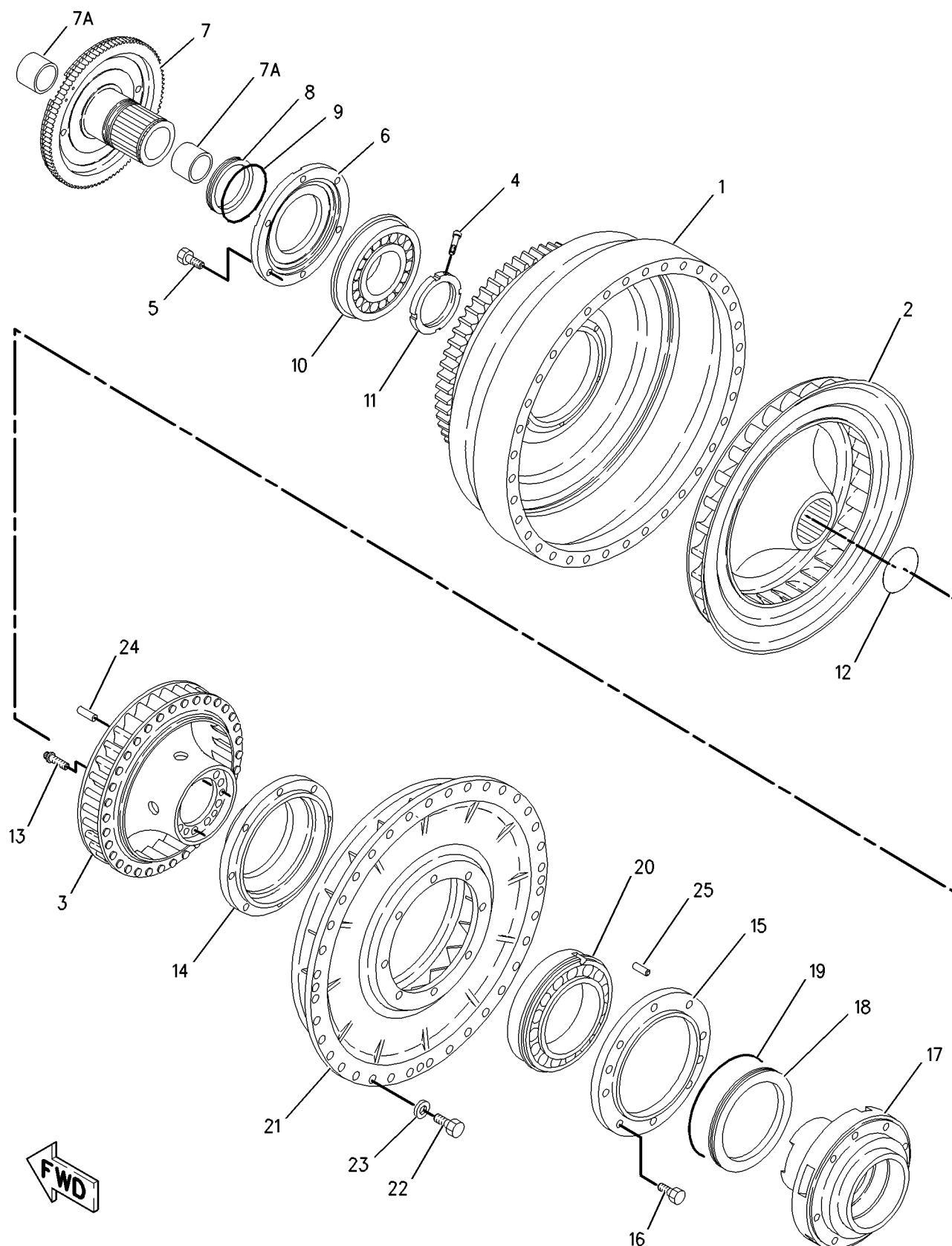
**i01443198**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		<b>1T-0437</b>	1	HOUSING	
2	1		<b>1T-1993</b>	1	WHEEL-TURBINE	
3	1		<b>1T-2052</b>	1	STATOR AS	
4	1		<b>2H-0191</b>	2	BOLT (10-24X0.625 IN)	
5	1		<b>1T-0446</b>	6	BOLT (3/8-16X.75 IN)	
6	1		<b>1T-0438</b>	1	RETAINER-BEARING	
7	1		<b>1T-1847</b>	1	FLANGE AS-OUTPUT	
7A	1		<b>1T-0902</b>	2	BEARING-SLEEVE	
8	1		<b>1T-0447</b>	1	CARRIER-RING	
9	1		<b>1T-0097</b>	1	RING-METAL SEAL	
10	1		<b>6V-3323</b>	1	BALL BEARING	
11	1		<b>1T-1771</b>	1	LOCKNUT-BEARING	
12	1		<b>3F-3727</b>	1	RING-SNAP	
13	1		<b>1T-0414</b>	8	BOLT-12 POINT HEAD (5/16-18X1 IN)	
14	1		<b>1T-2069</b>	1	CARRIER-BEARING	
15	1		<b>1T-2077</b>	1	RETAINER-BEARING	
16	1		<b>1A-2209</b>	8	BOLT (3/8-24X1.25 IN)	
17	1		<b>1T-2050</b>	1	CARRIER AS-STATIONARY	
	1		<b>4S-8537</b>	1	DOWEL	
18	1		<b>1T-1880</b>	1	CARRIER-RING	
19	1		<b>142-8540</b>	1	RING-SEAL	
20	1		<b>179-9579</b>	1	BEARING	
21	1		<b>1T-0699</b>	1	IMPELLER-CONVERTER	
22	1		<b>4B-3388</b>	36	BOLT (5/16-18X1.125 IN)	
23	1		<b>1T-0738</b>	36	WASHER (8.4X19X1.83MM THK)	
24	1		<b>4H-1440</b>	6	PIN-SPRING	
25	1		<b>5B-0582</b>	1	DOWEL	

# POWER TRAIN

1T-2076 TORQUE CONVERTER GP (contd.)

i01443198



GRAPHIC #1

g00784407

# POWER TRAIN

## 6Y-6929 TORQUE CONVERTER GP

S/N: 95T9500-15146

WITH TORQUE DIVIDER

PART OF 110-3391 TORQUE CONVERTER GP

SMCS-3101, 3102, 3105, 3127, 3128, 3129, 3130,  
3131, 3134, 3135, 3136

i00570588

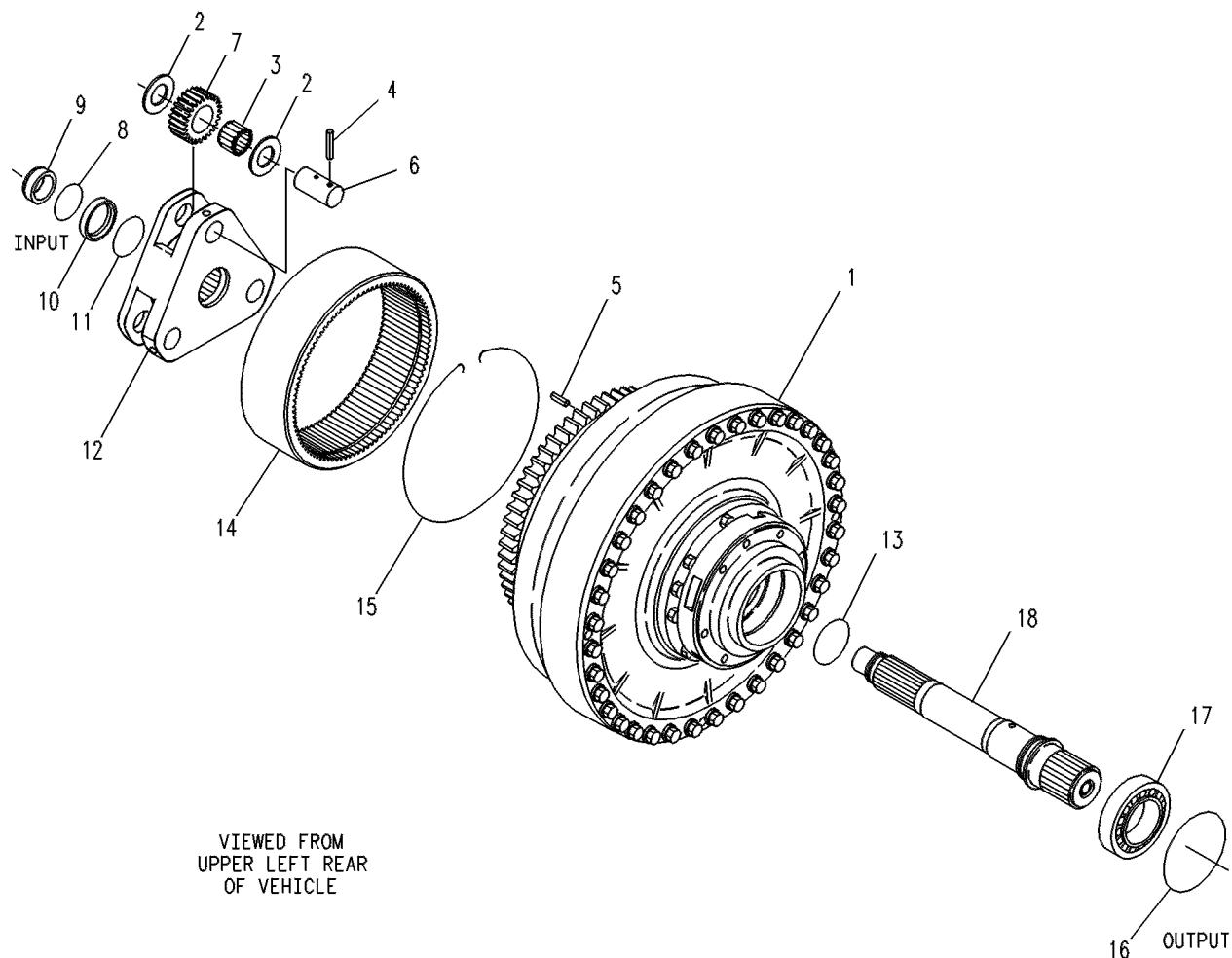
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6 (PRODUCT LEVEL)		
Y	1	1	1T-1920	1	TORQUE CONVERTER GP							504
	2	1	8E-8300	6	DISC-THRUST							
	3	1	5P-3930	3	BEARING AS-ROLLER							
	4	1	3S-2708	3	PIN-SPRING							
	5	1	2K-5986	2	PIN-SPRING							
	6	1	3T-4011	3	SHAFT AS-PLANETARY							
	7	1	3T-4008	3	GEAR-PLANETARY (23 TEETH)							
	8	1	6K-3630	1	RING							
	9	1	5P-7679	1	RACE-SPECIAL ROLLER BEARING							
	10	1	3T-4013	1	RETAINER-CARRIER							
	11	1	6V-4583	1	RING-RETAINING							
	12	1	6Y-6932	1	CARRIER-PLANETARY							
	13	1	9M-2008	1	RING-METAL SEAL							
	14	1	3T-4009	1	GEAR-RING (82 TEETH)							
	15	1	5M-7878	1	RING-SNAP							
	16	1	5J-3964	1	LOCKRING							
	17	1	2D-5658	1	BALL BEARING							
	18	1	6Y-6931	1	SHAFT AS							

Y-SEPARATE ILLUSTRATION

# POWER TRAIN

6Y-6929 TORQUE CONVERTER GP (*contd.*)

i00570588



GRAPHIC #1

g00247764

# POWER TRAIN

## 6Y-6929 TORQUE CONVERTER GP

S/N: 95T15147-UP

WITH TORQUE DIVIDER

PART OF 110-3391 TORQUE CONVERTER GP

SMCS-3101, 3102, 3105, 3127, 3128, 3129, 3130,  
3131, 3134, 3135, 3136

i01443196

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6 (PRODUCT LEVEL)		
CY	1	1	1T-2076	1	TORQUE CONVERTER GP							508
	2	1	8E-8300	6	DISC-THRUST							
	3	1	5P-3930	3	BEARING AS-ROLLER							
	4	1	3S-2708	3	PIN-SPRING							
	5	1	2K-5986	2	PIN-SPRING							
	6	1	3T-4011	3	SHAFT AS-PLANETARY							
	7	1	3T-4008	3	GEAR-PLANETARY (23 TEETH)							
	8	1	6K-3630	1	RING							
	9	1	5P-7679	1	RACE-SPECIAL ROLLER BEARING							
	10	1	3T-4013	1	RETAINER-CARRIER							
	11	1	6V-4583	1	RING-RETAINING							
	12	1	6Y-6932	1	CARRIER-PLANETARY							
	13	1	9M-2008	1	RING-METAL SEAL							
	14	1	3T-4009	1	GEAR-RING (82 TEETH)							
	15	1	5M-7878	1	RING-SNAP							
	16	1	5J-3964	1	LOCK RING							
	17	1	2D-5658	1	BALL BEARING							
	18	1	6Y-6931	1	SHAFT AS							

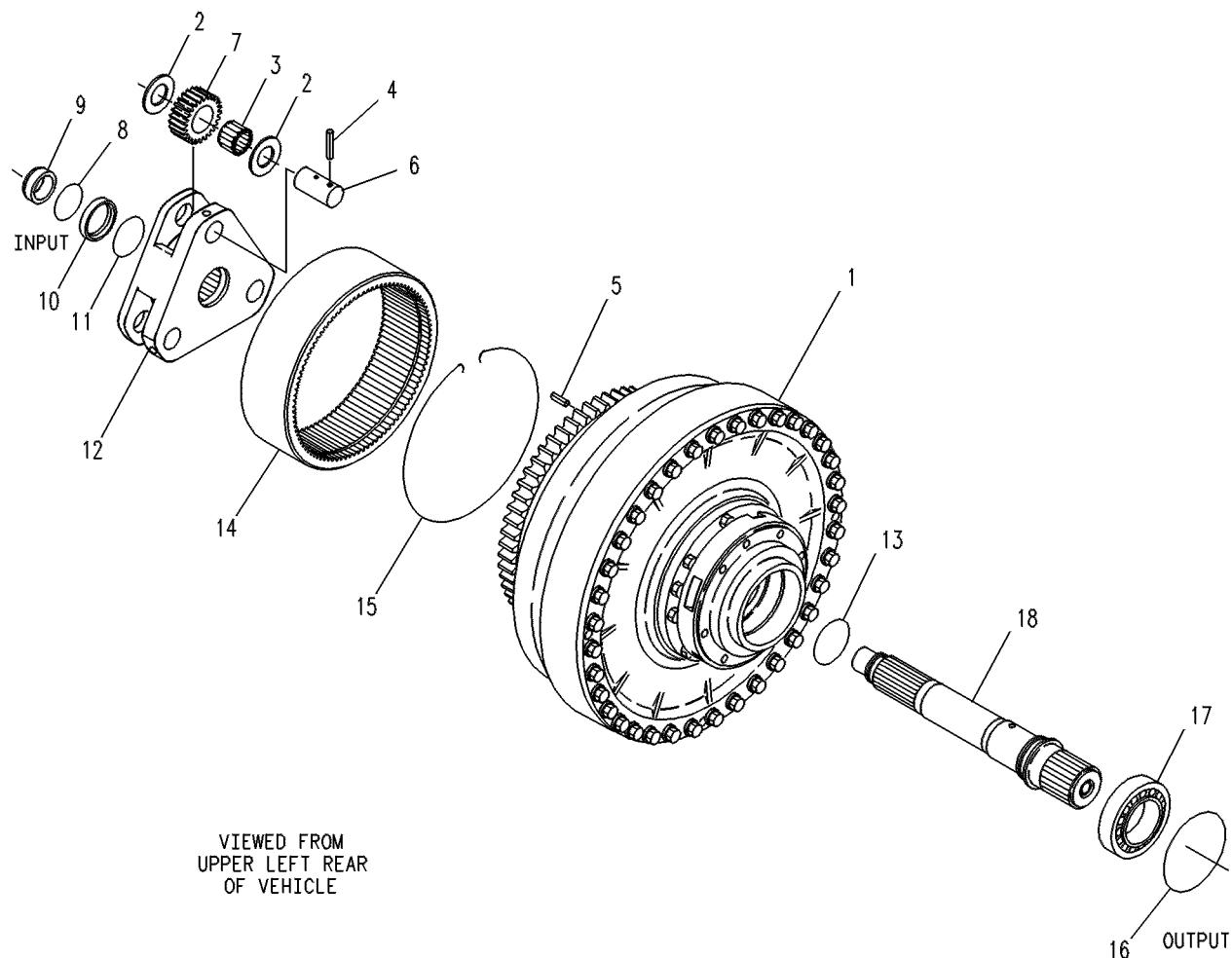
C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION

# POWER TRAIN

6Y-6929 TORQUE CONVERTER GP (*contd.*)

i01443196



GRAPHIC #1

g00247764

# POWER TRAIN

## 110-3391 TORQUE CONVERTER GP\*R

S/N: 9EM1-1328

SMCS-3101, 3102, 3105, 3127, 3128, 3129, 3130,  
3131, 3134, 3135, 3136

i01065664

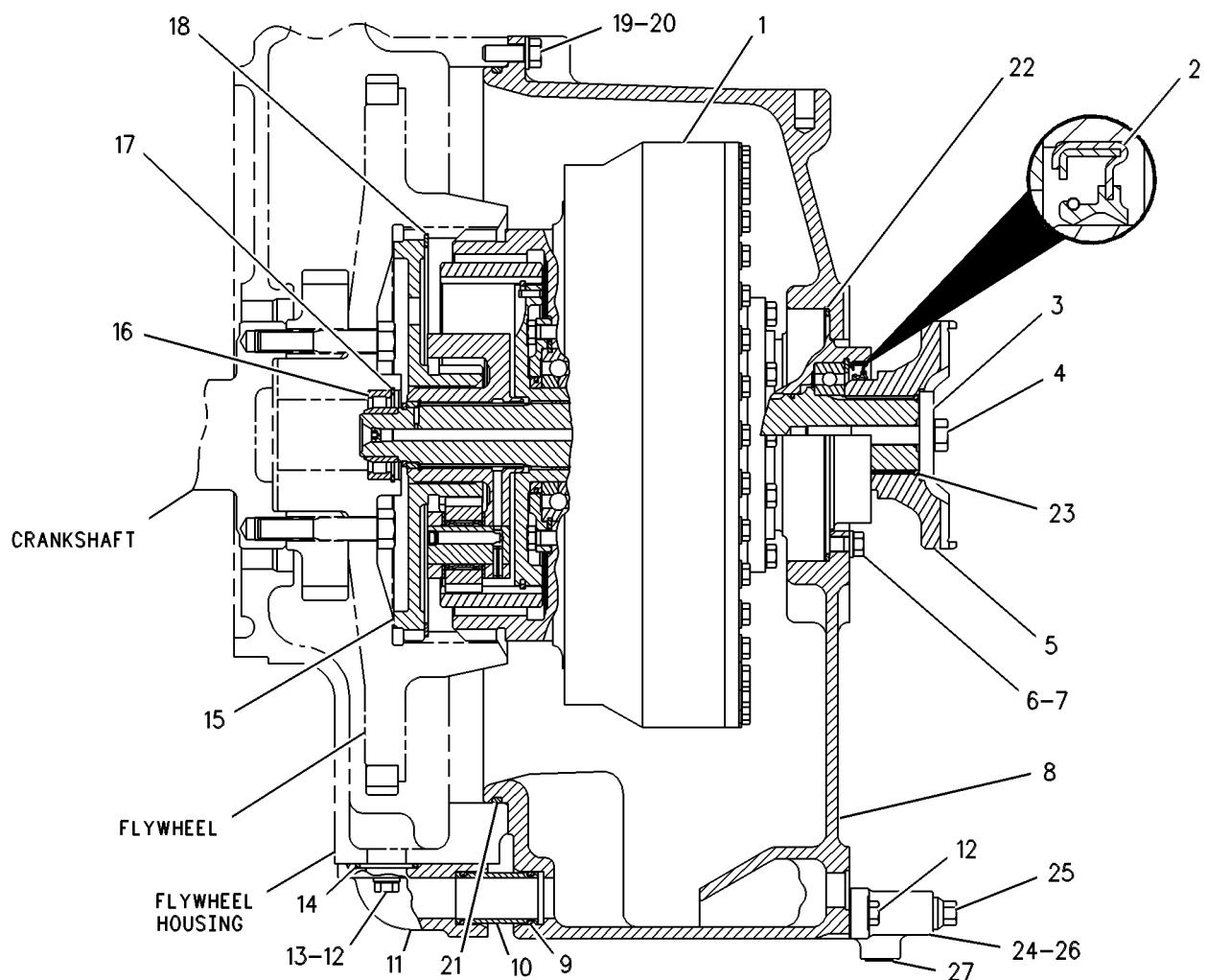
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
Y	1	1	6Y-6929	1	TORQUE CONVERTER GP							510
	2	1	9X-7720	1	SEAL-LIP							
	3	1	1T-1402	1	RETAINER-SHAFT							
	4	1	7X-3188	1	BOLT							
	5	1	1T-1386	1	YOKE-UNIVERSAL JOINT							
	6	1	0S-1588	8	BOLT (3/8X1.25)							
	7	1	5M-2894	8	WASHER (2.5MM THK)							
	8	1	6I-8487	1	HOUSING AS-TORQUE CONVERTER							
		1	4K-8603	2	PLUG-CUP (25.73MM ID)							
	9	1	8M-4433	2	SEAL-O-RING (29.74MM ID)							
	10	1	8S-9008	1	SLEEVE							
	11	1	7G-5320	1	ELBOW							
	12	1	4L-6454	4	BOLT							
	13	1	8T-4896	2	WASHER							
	14	1	1S-9799	1	SEAL-O-RING							
	15	1	9P-3709	1	GEAR-SUN (35 TEETH)							
	16	1	9H-8712	1	BEARING							
	17	1	2D-1523	1	RING-RETAINING							
	18	1	9M-1976	1	RING-RETAINING							
	19	1	8T-9382	10	BOLT (7/16-14X1.25IN)							
	20	1	8T-5360	10	WASHER							
	21	1	9H-0846	1	SEAL-O-RING (494.66MM ID)							
	22	1	6F-4718	1	SEAL-O-RING (164.69MM ID)							
	23	1	061-9455	1	SEAL-O-RING (47.22MM ID)							
	24	1	8H-9819	1	ADAPTER-PLUG							
	25	1	4B-7739	1	PLUG-DRAIN							
	26	1	8H-9818	1	GASKET							
	27	1	2B-0858	1	PLUG-PIPE (1/2-14 NPTF)							

Y-SEPARATE ILLUSTRATION

# POWER TRAIN

110-3391 TORQUE CONVERTER GP (contd.)

i01065664



GRAPHIC #1

g00364307

# POWER TRAIN

## 110-3391 TORQUE CONVERTER GP\*R

S/N: 9EM1329-UP

SMCS-3101, 3102, 3105, 3127, 3128, 3129, 3130,  
3131, 3134, 3135, 3136

i01671700

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
CYR	1	1	188-3865	1	TORQUE CONVERTER GP							518
	2	1	9X-7720	1	SEAL-LIP							
	3	1	1T-1402	1	RETAINER-SHAFT							
	4	1	7X-3188	1	BOLT (1/2-20X3.5 IN)							
	5	1	1T-1386	1	YOKE-UNIVERSAL JOINT							
	6	1	0S-1588	8	BOLT (3/8-16X1.25 IN)							
	7	1	5M-2894	8	WASHER-HARD (10.2X18.5X2.5MM THK)							
	8	1	6I-8487	1	HOUSING AS-TORQUE CONVERTER							
		1	4K-8603	2	PLUG-CUP (25.73MM OD)							
	9	1	8M-4433	2	SEAL-O-RING							
	10	1	8S-9008	1	SLEEVE							
	11	1	7G-5320	1	ELBOW							
	12	1	4L-6454	4	BOLT (3/8-16X1 IN)							
	13	1	8T-4896	2	WASHER-HARD (10.2X18.5X2.5MM THK)							
	14	1	1S-9799	1	SEAL-O-RING							
	15	1	9P-3709	1	GEAR-SUN (35 TEETH)							
	16	1	9H-8712	1	BEARING AS (OUTER)							
	17	1	2D-1523	1	RING-RETAINING							
	18	1	9M-1976	1	RING-RETAINING							
	19	1	8T-9382	10	BOLT (7/16-14X1.25 IN)							
	20	1	8T-5360	10	WASHER (12X22.5X2.5MM THK)							
	21	1	9H-0846	1	SEAL-O-RING							
	22	1	6F-4718	1	SEAL-O-RING							
	23	1	061-9455	1	SEAL-O-RING							
	24	1	8H-9819	1	ADAPTER-PLUG							
	25	1	4B-7739	1	PLUG-DRAIN							
	26	1	8H-9818	1	GASKET							
	27	1	2B-0858	1	PLUG-PIPE							

C-CHANGE FROM PREVIOUS TYPE

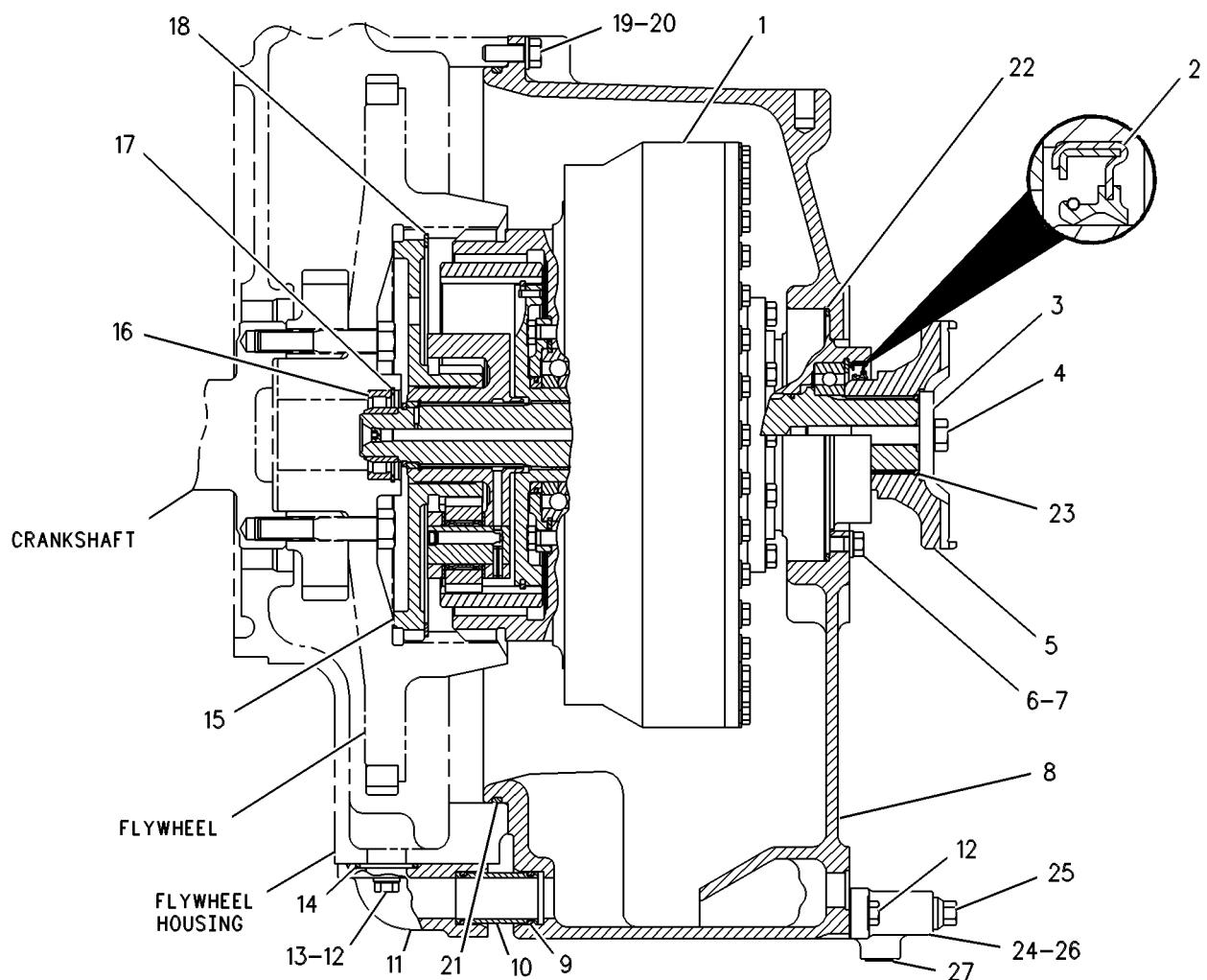
R-REMFG PART MAY BE AVAILABLE

Y-SEPARATE ILLUSTRATION

# POWER TRAIN

110-3391 TORQUE CONVERTER GP (*contd.*)

i01671700



GRAPHIC #1

g00364307

# POWER TRAIN

## 188-3865 TORQUE CONVERTER GP\*R

S/N: TCD1-UP

PART OF 110-3391 TORQUE CONVERTER GP

**SMCS-3101, 3102, 3105, 3127, 3128, 3129, 3130,  
3131, 3134, 3135, 3136**

**i01671705**

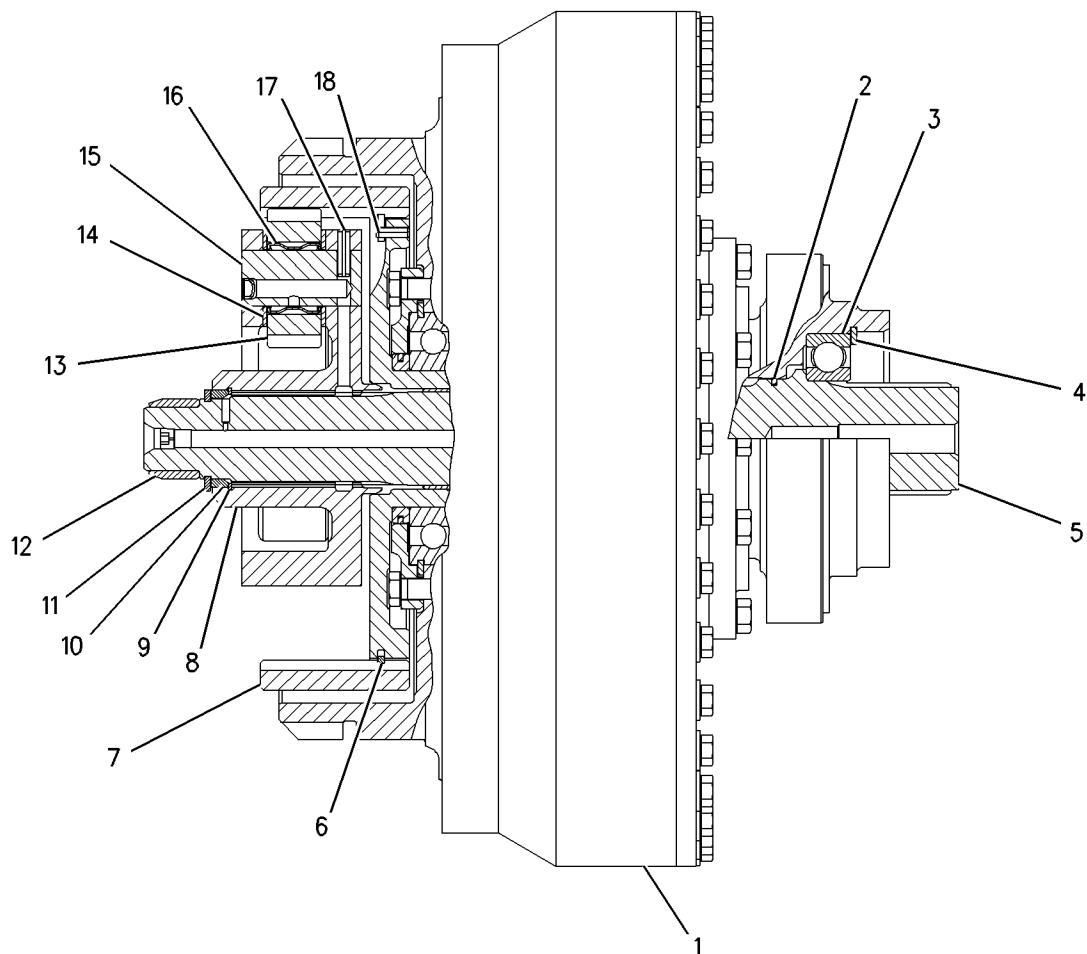
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
Y	1	1	1T-2071	1	TORQUE CONVERTER GP	506
	2	1	<b>9M-2008</b>	1	RING-METAL SEAL	
	3	1	<b>2D-5658</b>	1	BALL BEARING	
	4	1	<b>5J-3964</b>	1	RING-LOCK	
	5	1	<b>6Y-6931</b>	1	SHAFT AS	
		1	<b>5J-7386</b>	1	PLUG-ORIFICE (1/8-27 THD)	
	6	1	<b>5M-7878</b>	1	RING-SNAP	
	7	1	<b>3T-4009</b>	1	GEAR-RING (82 TEETH)	
	8	1	<b>6Y-6932</b>	1	CARRIER-PLANETARY	
	9	1	<b>6V-4583</b>	1	RING-RETAINING	
	10	1	<b>3T-4013</b>	1	RETAINER-CARRIER	
	11	1	<b>6K-3630</b>	1	RING	
	12	1	<b>5P-7679</b>	1	RACE-SPECIAL ROLLER BEARING	
	13	1	<b>3T-4008</b>	3	GEAR-PLANETARY (23 TEETH)	
	14	1	<b>8E-8300</b>	6	DISC-THRUST	
	15	1	<b>3T-4011</b>	3	SHAFT AS-PLANETARY	
					(EACH INCLUDES)	
		1	<b>2A-3746</b>	1	PLUG-CUP	
	16	1	<b>5P-3930</b>	3	BEARING AS-ROLLER	
	17	1	<b>3S-2708</b>	3	PIN-SPRING	
	18	1	<b>2K-5986</b>	2	PIN-SPRING	

Y - SEPARATE ILLUSTRATION

# POWER TRAIN

188-3865 TORQUE CONVERTER GP (*contd.*)

i01671705



GRAPHIC #1

g00845809

# POWER TRAIN

## 105-8185 TRANSMISSION AR

S/N: 8YX1-UP

SMCS-3030, 3060, 3160

i00569792

NOTE	PART NUMBER	QTY	PART NAME	SEE PAGE					
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	110-6056	1	CASE & PARTS GP-PLANETARY						438
Y	8E-5116	1	CONTROL GP-TRANSMISSION HYD						444
Y	7T-2431	1	GEAR GP-BEVEL & TRANSFER						466
Y	105-2488	1	PLANETARY GP						490

Y - SEPARATE ILLUSTRATION

# POWER TRAIN

## 3T-4299 UNIVERSAL JOINT GP

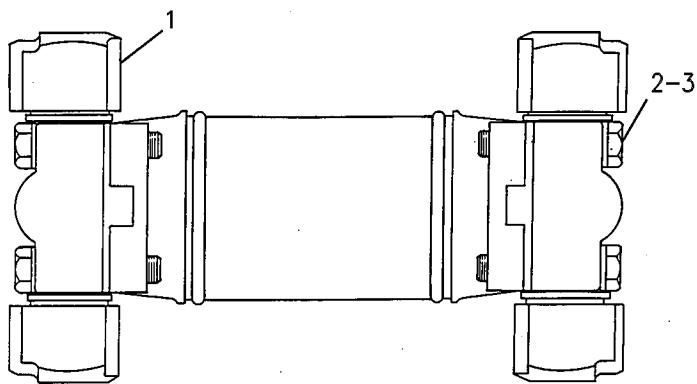
S/N: 9EM1-UP

PART OF 3T-4457 SHAFT GP-MAIN DRIVE

SMCS-3251, 3253

i01066388

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		9P-0356	2	SPIDER & BEARING AS						
2	1		OS-0484	8	BOLT (1/2-20X2.25IN)						
3	1		5P-7213	8	WASHER-HARD (2MM THK)						



GRAPHIC #1

g00447467

# POWER TRAIN

## 6E-4095 VALVE GP-FLUSHING

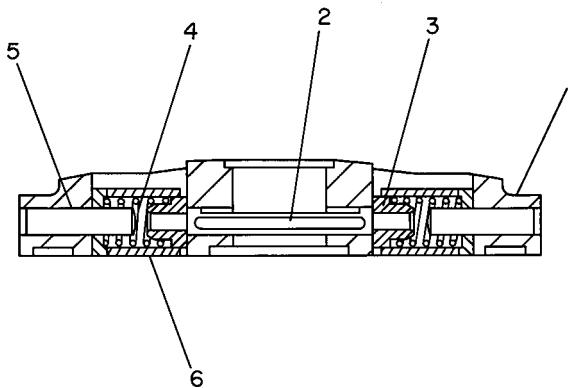
S/N: 9EM1-782

PART OF 6E-4091 ROTATING GP-MOTOR

SMCS-5066

i01065836

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		6E-4099	1	PLATE-PORT						
2	1		6E-4100	1	PIN-FLUSHING						
3	1		6E-4101	2	RETAINER-SEAL						
4	1		6E-4102	2	SPRING						
5	1		6E-4103	2	DOWEL						
6	1		6E-4104	2	BUSHING-TERMINAL						



GRAPHIC #1

g00216406

# POWER TRAIN

## 119-6114 VALVE GP - FLUSHING

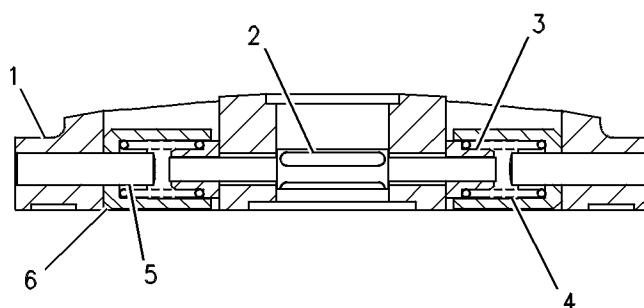
S/N: 9EM783-UP

PART OF 171-3052 ROTATING GP-MOTOR

SMCS-5066

i01219372

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		119-6109	1	PLATE						
2	1		6E-4100	1	PIN-FLUSHING						
3	1		119-6110	2	RETAINER						
4	1		6E-4102	2	SPRING						
5	1		119-6112	2	PIN						
6	1		119-6113	2	BUSHING						



GRAPHIC #1

g00246170

# POWER TRAIN

## 9T-8693 VALVE GP-PILOT

S/N: 9EM1-UP

PART OF 6Y-3589 CONTROL GP-STEERING & TMSN  
TYPE 1

SMCS-4307, 5059, 5462

i01142752

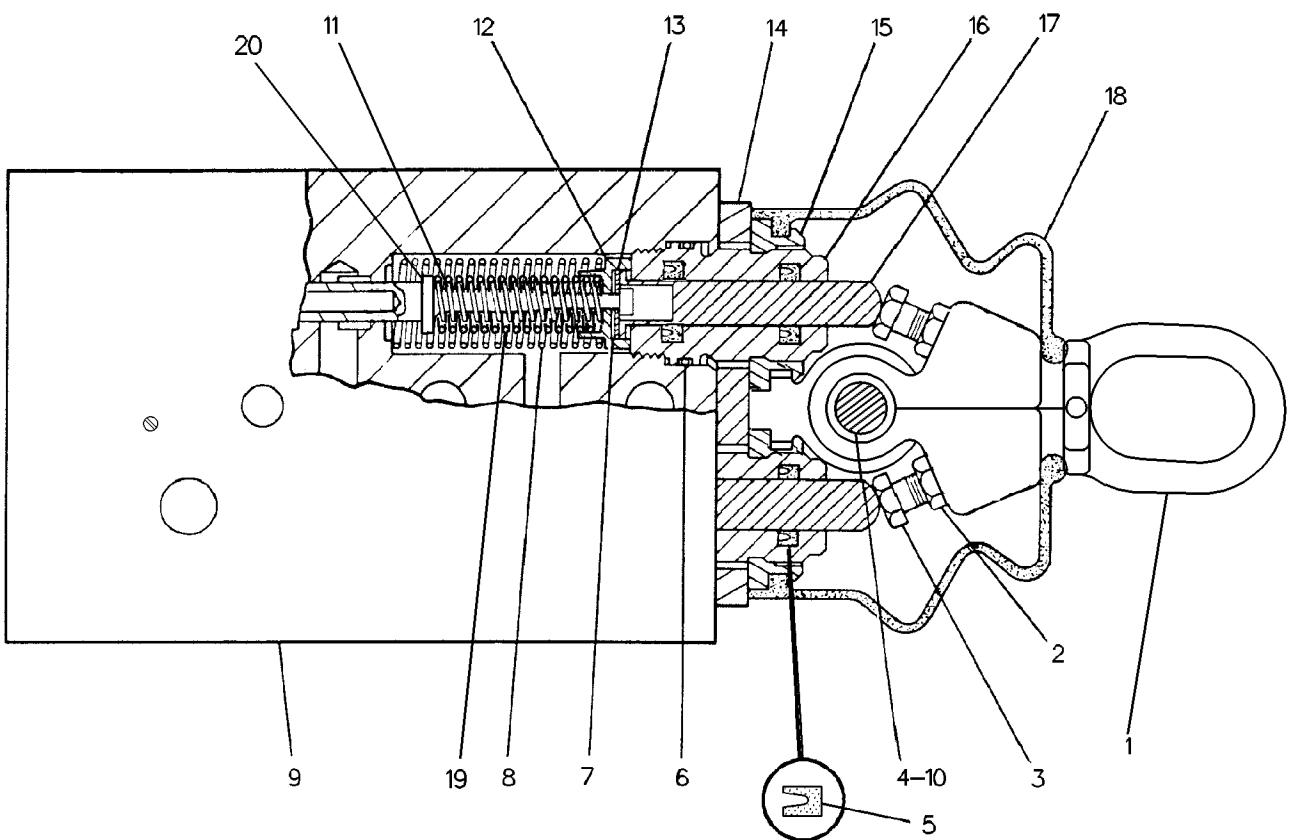
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		6E-1134	1	LEVER						
2	1		1B-4427	2	NUT-JAM (1/4-20 THD)						
3	1		114-5157	2	ADJUSTER						
4	1		6E-1135	1	PIN						
5	1		1U-3147	4	SEAL-U-CUP						
6	1		033-6044	2	SEAL-O-RING (20.35MM ID)						
B	7	1	5S-7018	4	SPACER (.25MM THK)						
8	1		6E-1982	2	SPRING (MIDDLE)						
9	1		6E-1159	1	VALVE GP						
10	1		3N-2818	2	BEARING						
11	1		6E-1981	2	SPRING (INNER)						
12	1		6E-1136	2	RETAINER						
13	1		1U-2071	2	RETAINER						
14	1		6E-1133	1	BRACKET						
15	1		8J-1622	2	NUT						
16	1		9T-2378	2	SLEEVE						
17	1		1U-2752	2	PLUNGER						
18	1		1U-2765	1	BOOT						
19	1		1W-3963	2	SPRING-OUTER						
20	1		6E-2193	2	RETAINER						

B-USE AS REQUIRED

# POWER TRAIN

9T-8693 VALVE GP-PILOT (contd.)

i01142752



GRAPHIC #1

g00606131

# POWER TRAIN

## 9T-8693 VALVE GP-PILOT

S/N: 9EM1-UP

PART OF 6Y-3589 CONTROL GP-STEERING & TMSN  
TYPE 2

SMCS-4307, 5059, 5462

i01505497

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		6E-1134	1	LEVER						
2	1		1B-4427	2	NUT-JAM (1/4-20 THD)						
3	1		114-5157	2	ADJUSTER						
4	1		6E-1135	1	PIN						
5	1		1U-3147	4	SEAL-U-CUP						
6	1		033-6044	2	SEAL-O-RING						
B	7	1	5S-7018	4	SPACER (14.15X7.54X.25MM THK)						
	8	1	6E-1982	2	SPRING (MIDDLE)						
CZ	9	1		2	STEM						
	10	1	3N-2818	2	BEARING						
	11	1	6E-1981	2	SPRING (INNER)						
	12	1	6E-1136	2	RETAINER						
	13	1	1U-2071	2	RETAINER						
	14	1	6E-1133	1	BRACKET						
	15	1	8J-1622	2	NUT (7/8-20 THD)						
	16	1	9T-2378	2	SLEEVE						
	17	1	1U-2752	2	PLUNGER						
	18	1	1U-2765	1	BOOT						
	19	1	1W-3963	2	SPRING-OUTER						
	20	1	6E-2193	2	RETAINER						
Z	21	1		1	BODY						

B-USE AS REQUIRED

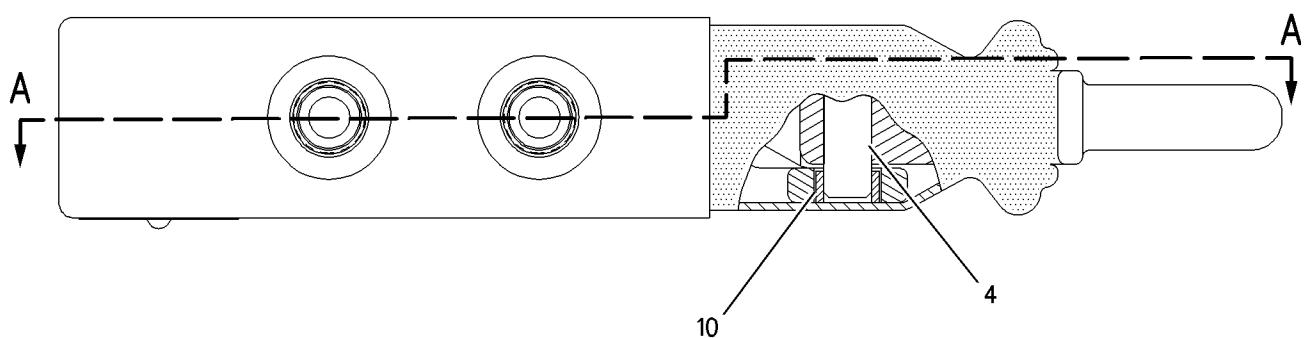
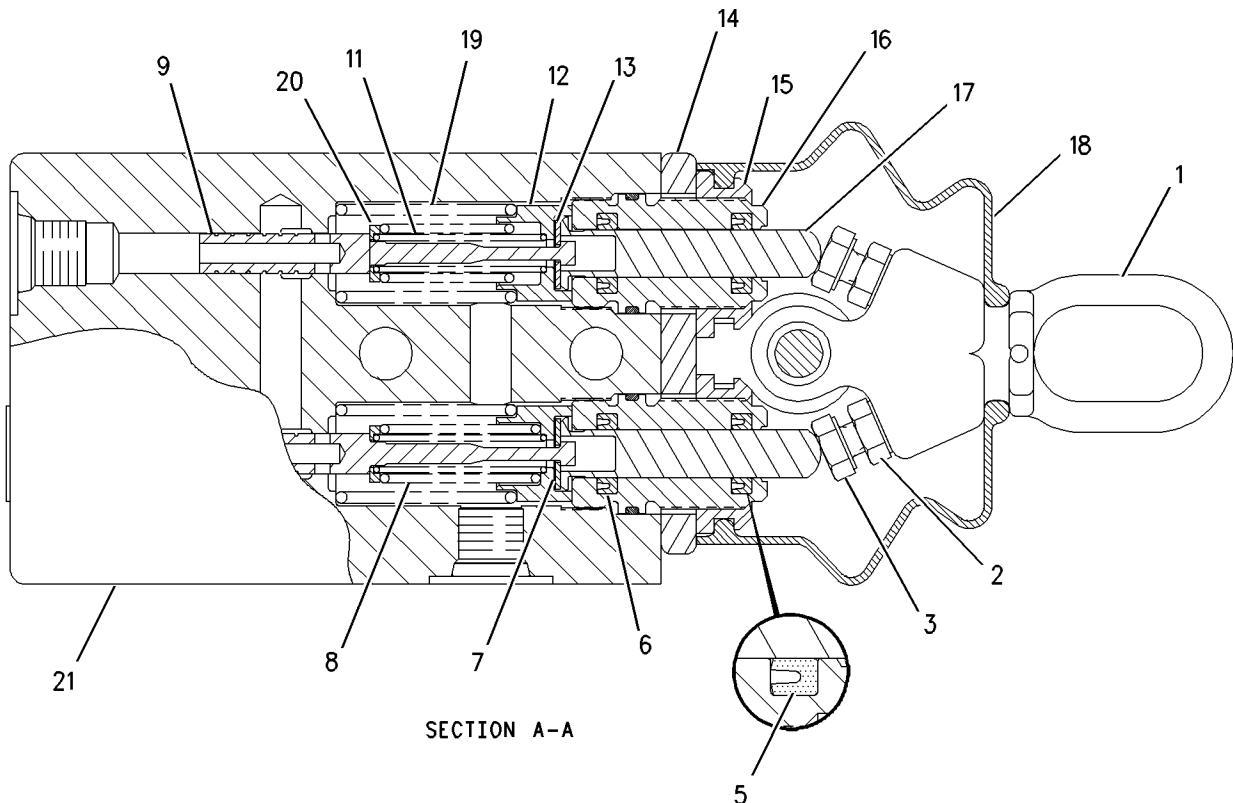
C-CHANGE FROM PREVIOUS TYPE

Z-NOT SERVICED SEPARATELY

# POWER TRAIN

9T-8693 VALVE GP-PILOT (contd.)

i01505497



GRAPHIC #1

g00781166

# POWER TRAIN

## 9W-5596 VALVE GP-RELIEF

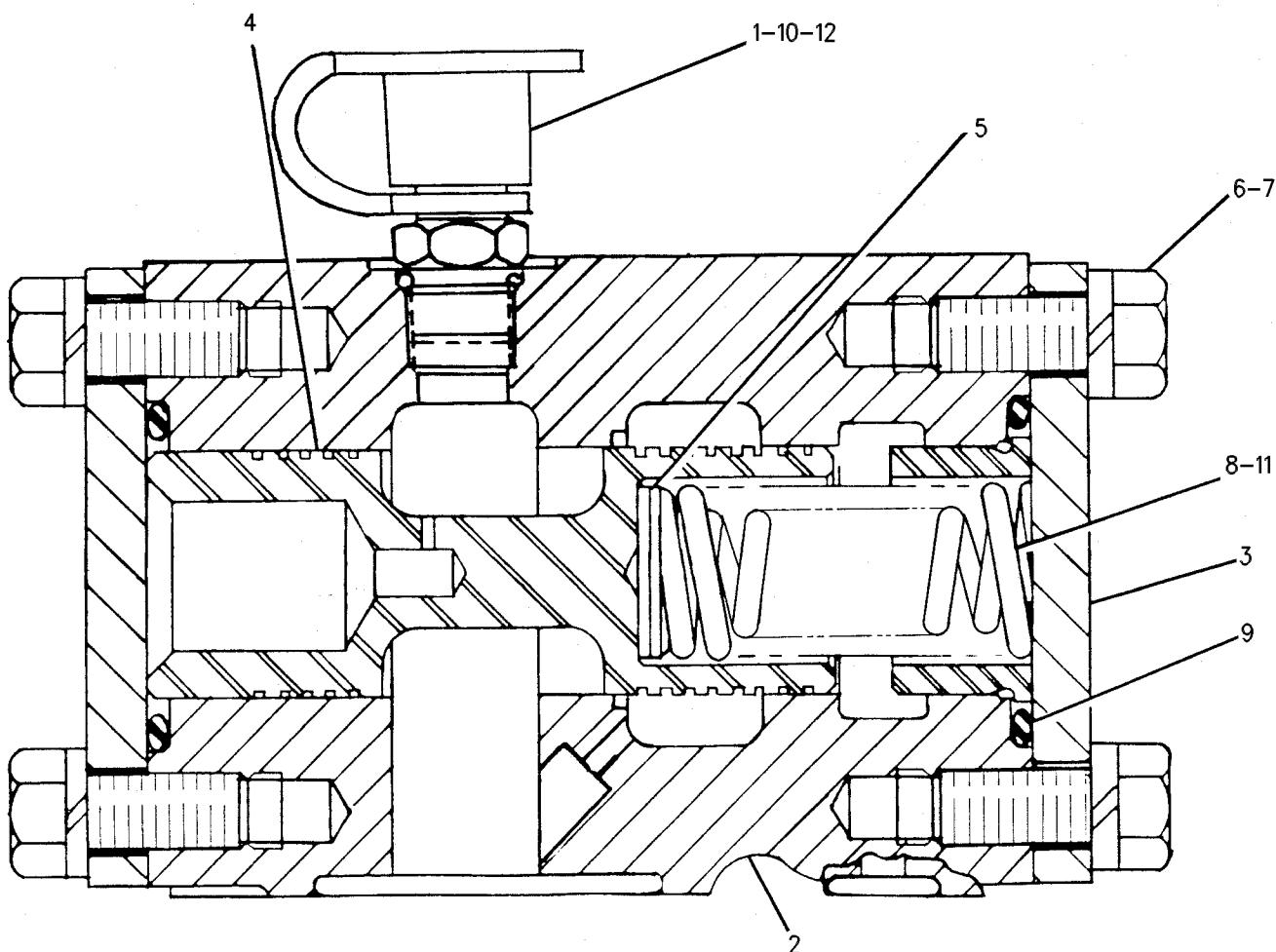
S/N: 9EM1-UP

PART OF 6Y-3517 LINES GP-POWER TRAIN OIL

SMCS-3133, 3182

i01066030

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		6V-0852	1	CAP-DUST							
2	1		3T-6286	1	HOUSING AS-RELIEF VALVE							
	1		7M-1377	1	STOP-VALVE							
3	1		4M-8239	2	COVER							
4	1		7M-1296	1	VALVE-RELIEF							
5	1		5M-9623	5	SPACER (0.9MM THK)							
6	1		0S-1594	4	BOLT (3/8-16X1.0IN)							
7	1		3B-4506	4	LOCKWASHER							
8	1		7M-1297	1	SPRING							
9	1		8T-7181	2	SEAL-O-RING (44.92MM ID)							
10	1		6V-3965	1	NIPPLE AS							
11	1		9W-5595	1	SPRING							
12	1		3J-1907	1	SEAL-O-RING (11.89MM ID)							



GRAPHIC #1

g00554572

# POWER TRAIN

## 6I-9896 VALVE GP-SELECTOR & PRESS CONT

S/N: 8YX1-UP

PART OF 106-8094 VALVE GP-TRANSMISSION CONTROL

SMCS-3083

i00569670

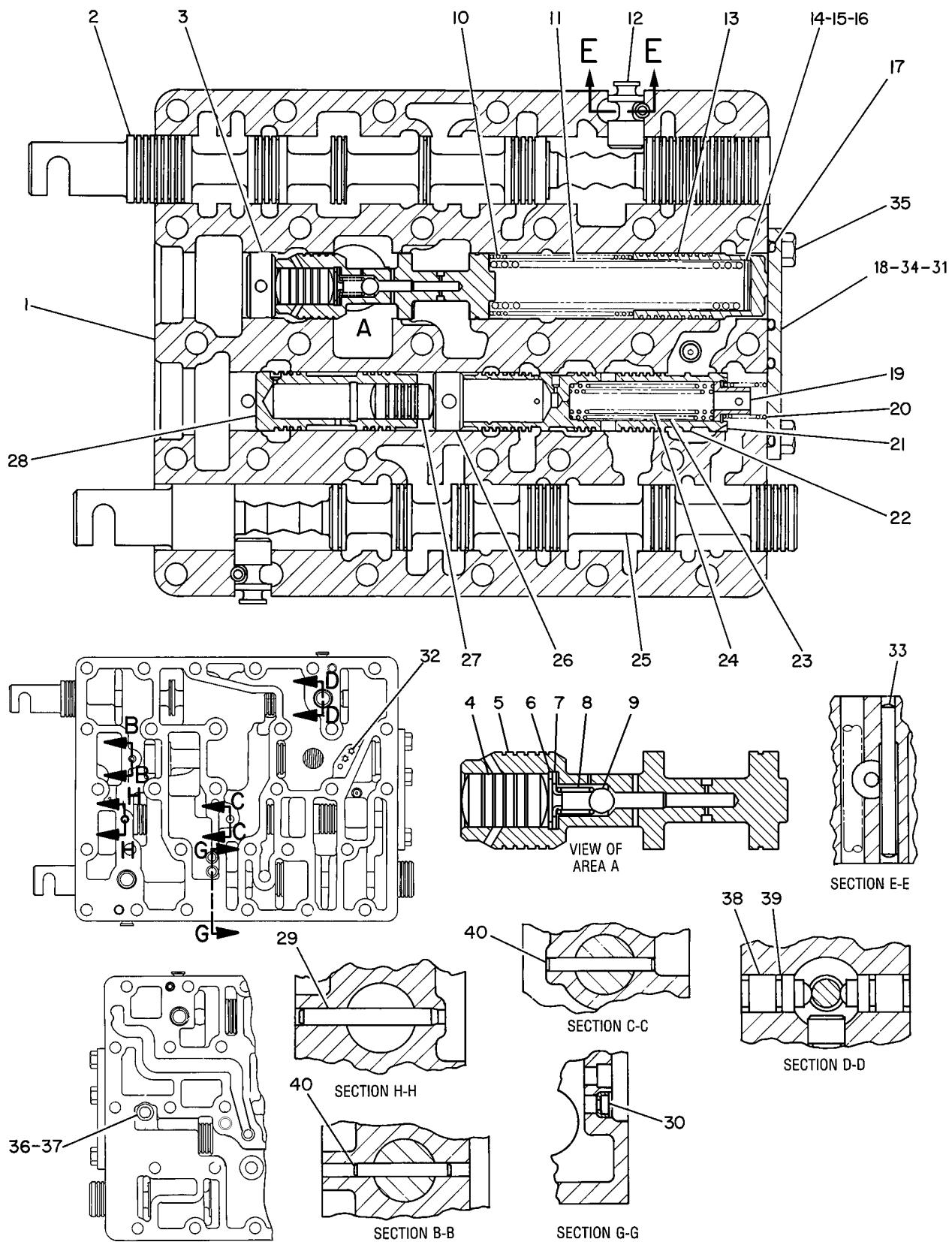
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		<b>6I-9875</b>	1	BODY AS	
2	1		<b>6Y-4082</b>	1	SPOOL-SPEED SELECTOR	
3	1		<b>6P-4940</b>	1	STOP	
4	1		<b>9W-5568</b>	1	SLUG	
5	1		<b>9W-5567</b>	1	SPOOL AS-RELIEF	
6	1		<b>3D-8317</b>	1	RING-RETAINING	
7	1		<b>8M-1013</b>	1	RETAINER	
8	1		<b>4M-2381</b>	1	SPRING	
9	1		<b>4B-9880</b>	1	BALL	
10	1		<b>7G-4842</b>	1	SPRING (OUTER)	
11	1		<b>9P-3041</b>	1	SPRING (INNER)	
12	1		<b>6P-4971</b>	2	STOP	
13	1		<b>7G-9573</b>	1	PISTON-LOAD	
B	14	1	<b>5M-9622</b>	1	SPACER (.1.6MM THK)	
B	15	1	<b>5M-9623</b>	1	SPACER (.9MM THK)	
B	16	1	<b>5M-9624</b>	3	SPACER (.25MM THK)	
17	1		<b>6F-6673</b>	2	SEAL-O-RING (31.34MM ID)	
18	1		<b>6P-4938</b>	1	COVER	
19	1		<b>6P-9786</b>	1	RETAINER	
20	1		<b>6P-9785</b>	1	SPRING	
21	1		<b>3P-8485</b>	1	RING-RETAINING	
22	1		<b>6Y-3032</b>	1	SPOOL-DIFFERENTIAL	
23	1		<b>6P-9784</b>	1	SPRING (OUTER)	
24	1		<b>6P-9783</b>	1	SPRING (INNER)	
25	1		<b>6Y-5500</b>	1	SPOOL-SELECTOR	
26	1		<b>2S-4872</b>	1	STOP	
27	1		<b>3T-4215</b>	1	SLUG	
28	1		<b>3T-3494</b>	1	SPOOL-RATIO	
29	1		<b>8P-6321</b>	1	DOWEL	
30	1		<b>7G-9476</b>	1	ORIFICE-PLUG	
31	1		<b>6I-9894</b>	1	PLATE-IDENTIFICATION	
32	1		<b>2H-2995</b>	2	SETSCREW (10-24THD X 7/16)	
33	1		<b>1J-5353</b>	2	PIN-SPRING (6.35MM ODX63.5MM OAL)	
34	1		<b>7B-3028</b>	1	SCREW-DRIVE (#4X3/16IN)	
35	1		<b>2B-2695</b>	3	BOLT (5/16-18X.875IN)	
36	1		<b>5H-8853</b>	1	SEAL-O-RING (9.3MM ID)	
37	1		<b>9W-9830</b>	1	ORIFICE-SCREEN	
38	1		<b>7S-4607</b>	4	DETENT AS	
39	1		<b>1P-8116</b>	4	SEAL-O-RING	
40	1		<b>2S-0696</b>	2	DOWEL	

B-USE AS REQUIRED

# POWER TRAIN

6I-9896 VALVE GP - SELECTOR & PRESS CONT (contd.)

i00569670



GRAPHIC #1

g00235219

# POWER TRAIN

## 183-8388 VALVE GP-SERVO

S/N: 9EM1-UP

PART OF 139-4151 PUMP GP-PISTON

SMCS-3203, 3205

i01320692

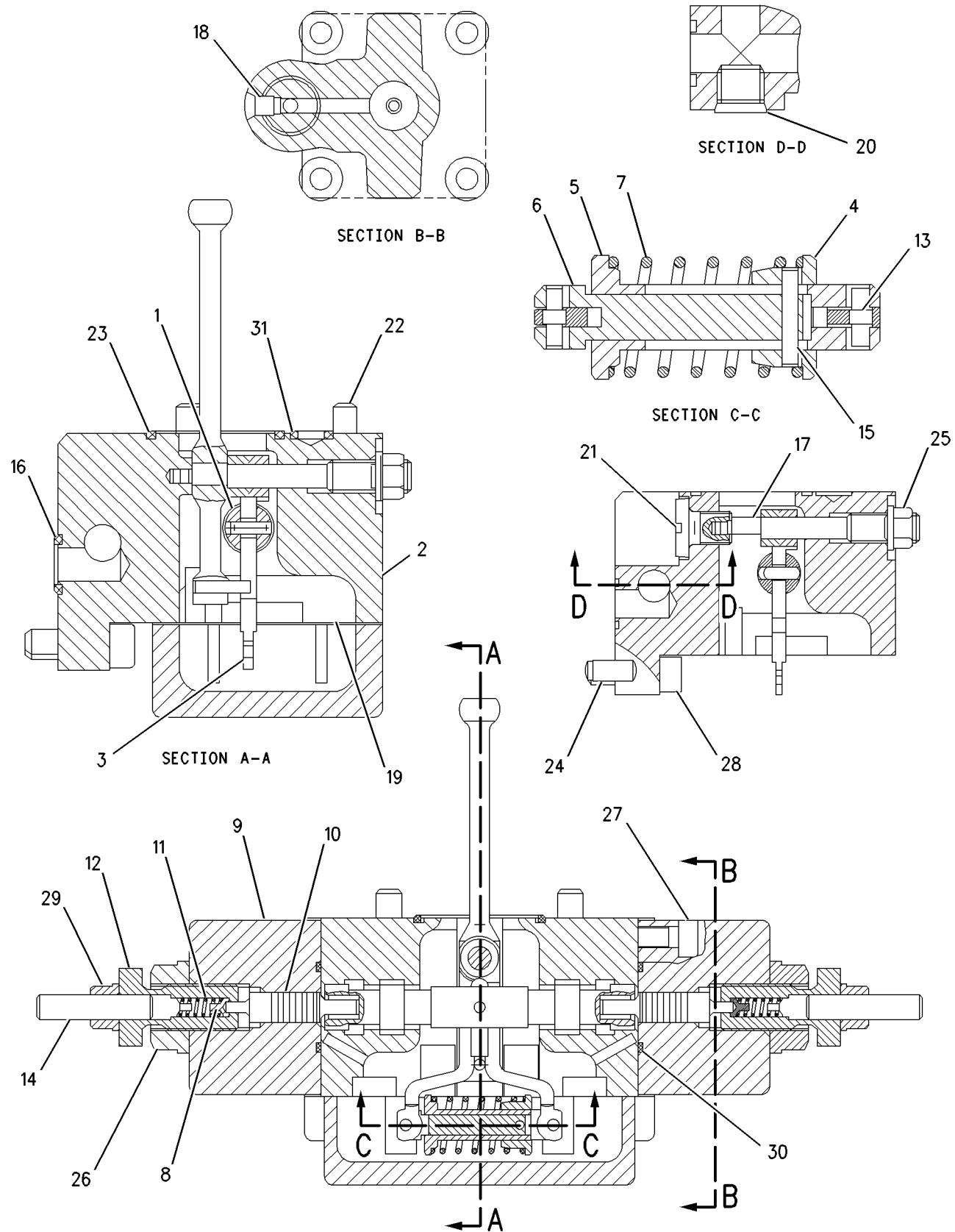
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		183-8385	1	PISTON AS							
2	1		183-8386	1	HOUSING							
3	1		183-8387	2	LEVER							
4	1		183-8389	1	RETAINER-SPRING							
5	1		183-8390	1	RETAINER-SPRING							
6	1		183-8391	1	ADJUSTER-SPRING							
7	1		183-8392	1	SPRING							
8	1		183-8395	2	RETAINER-SPRING							
9	1		183-8396	2	HOUSING							
10	1		183-8397	2	PISTON							
11	1		183-8398	2	SPRING							
12	1		183-8399	2	ADJUSTER							
13	1		183-8400	2	BOLT							
14	1		183-8401	2	SETSCREW							
15	1		183-8402	1	PIN							
16	1		033-5879	5	SEAL-O-RING (11.12MM ID)							
17	1		111-8892	1	PIN							
18	1		123-9769	1	PLUG							
19	1		144-6418	1	GASKET							
20	1		144-9101	1	PLUG-BREAK OFF							
21	1		178-4144	1	PLUG							
22	1		178-4147	4	HEAD							
23	1		2Y-2347	1	SEAL-O-RING							
24	1		5E-7045	1	PIN-CYLINDER							
25	1		6E-1607	1	LOCKNUT-SEALING							
M	26	1	6E-4385	2	LOCKNUT-SEAL (M12 THD)							
M	27	1	8C-8580	8	BOLT-SOCKET HEAD (M5X.8X16MM)							
M	28	1	8T-0269	2	BOLT-SOCKET HEAD (M6X1X20MM)							
29	1		9T-3853	2	LOCKNUT (M6 THD)							
30	1		9X-7454	2	SEAL-O-RING (18.77MM ID)							
31	1		9X-7676	1	SEAL-O-RING (6.02MM ID)							

M-METRIC PART

# POWER TRAIN

183-8388 VALVE GP-SERVO (contd.)

i01320692



GRAPHIC #1

g00664410

# POWER TRAIN

## 183-8417 VALVE GP-SERVO

S/N: 9EM1-UP

PART OF 183-8430 ACTUATOR GP-PISTON PUMP

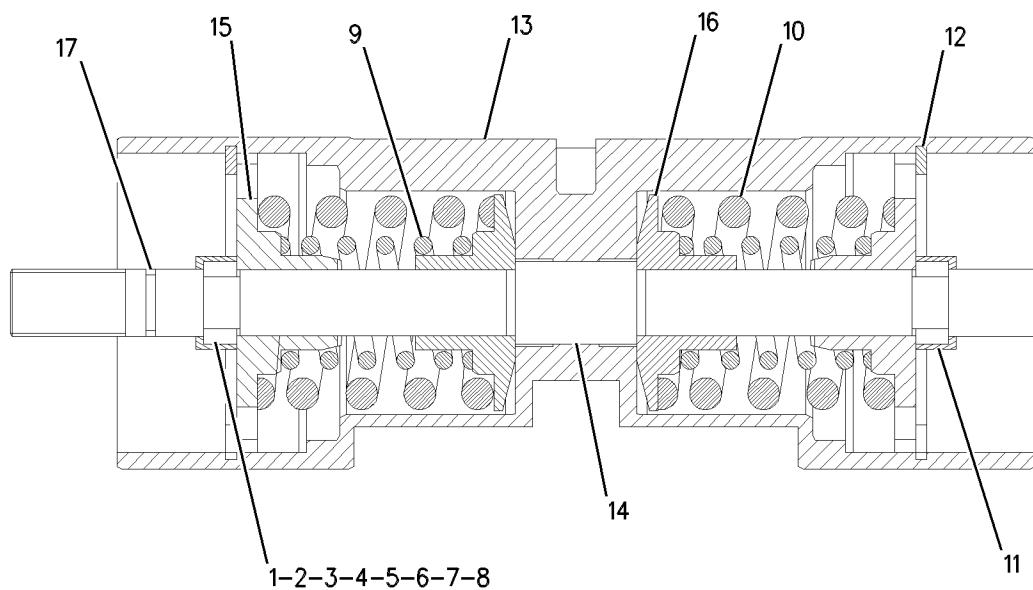
SMCS-3203, 3205

i01320717

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
B	1	1	183-8418	2	SPACER (8.00 MM)						
BR	2	1	183-8419	1	SPACER (7.85 MM)						
B	3	1	183-8420	1	SPACER (7.90 MM)						
B	4	1	183-8421	1	SPACER (7.95 MM)						
B	5	1	183-8423	1	SPACER (8.05 MM)						
B	6	1	183-8424	1	SPACER (8.10 MM)						
B	7	1	183-8425	11	SPACER (7.75 MM)						
B	8	1	183-8426	1	SPACER (7.80 MM)						
	9	1	183-8427	2	SPRING						
	10	1	183-8428	2	SPRING						
	11	1	183-8429	2	RING						
	12	1	095-0942	2	RING-RETAINING (63.3MM ID)						
	13	1	144-9093	1	PISTON-STROKING						
	14	1	144-9094	1	ROD						
	15	1	144-9097	2	RETAINER						
	16	1	144-9098	2	RETAINER						
	17	1	161-6149	1	SEAL-O-RING						

B- USE AS REQUIRED

R- REMFG PART MAY BE AVAILABLE



GRAPHIC #1

g00664661

# POWER TRAIN

## 106-8094 VALVE GP - TRANSMISSION CONTROL

S/N: 8YX1-UP

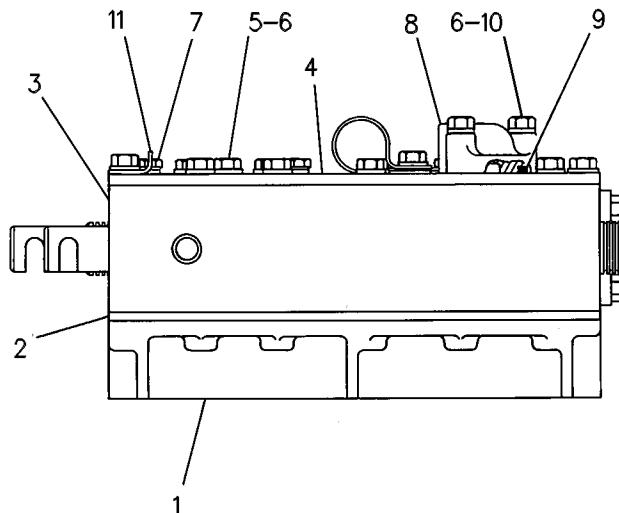
PART OF 8E-5116 CONTROL GP-TRANSMISSION HYD

SMCS-3073

i01138791

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		6T-8710	1	MANIFOLD-BOTTOM						
2	1		9G-8551	1	PLATE						
Y	3	1	6I-9896	1	VALVE GP-SELECTOR & PRESS CONT						530
4	1		9P-5928	1	PLATE-TOP						
5	1		4B-0831	24	BOLT (5/16-18X3.75IN)						
6	1		9M-1974	26	WASHER-HARD (2MM THK)						
7	1		5M-6214	3	PLUG-PIPE (1/8-27 THD)						
8	1		9G-2375	1	ELBOW						
9	1		5F-9657	1	SEAL-O-RING (36.09MM ID)						
10	1		3H-3243	2	BOLT (5/16-18X4.75IN)						
11	1		9W-3330	1	SUPPORT						

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00247297

# FRAME AND BODY

**102-6331 ACTUATOR GP-POWER**

S/N: 9EM1-UP

**PART OF 130-1935 GUARD AR-BOTTOM  
AN ATTACHMENT**

**SMCS-7153**

**i01255631**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6 (PRODUCT LEVEL)		
JZ	1	1		1	GASKET-HOUSING							
JZ	2	1		1	GASKET (TUBE COVER)							
JZ	3	1		1	SEAL-MOTOR							
JZ	4	1		1	SEAL-O-RING (169.3MM ID)							
JZ	5	1		1	SEAL-LIP TYPE							
LZ	6	1		1	GEAR-INTERMEDIATE							
LZ	7	1		1	WASHER							
LZ	8	1		1	WASHER							
NZ	9	1		1	WASHER							
NZ	10	1		1	CLUTCH							
NZ	11	1		1	WASHER							
NZ	12	1		1	KEY							
PZ	13	1		1	SHAFT							
PZ	14	1		1	COVER (TUBE)							
	15	1	<b>115-0001</b>	1	MOTOR							
AVAILABLE REPAIR KIT(S) :												
J			<b>114-3929</b>	1	KIT-SEAL							
L			<b>114-9981</b>	1	GEAR SET							
N			<b>114-9990</b>	1	KIT-CLUTCH							
P			<b>114-9998</b>	1	KIT-SHAFT							
(INCL WASHERS & KEY)												

J-KIT MARKED J INCLUDES PARTS MARKED J

L-KIT MARKED L INCLUDES PARTS MARKED L

N-KIT MARKED N INCLUDES PARTS MARKED N

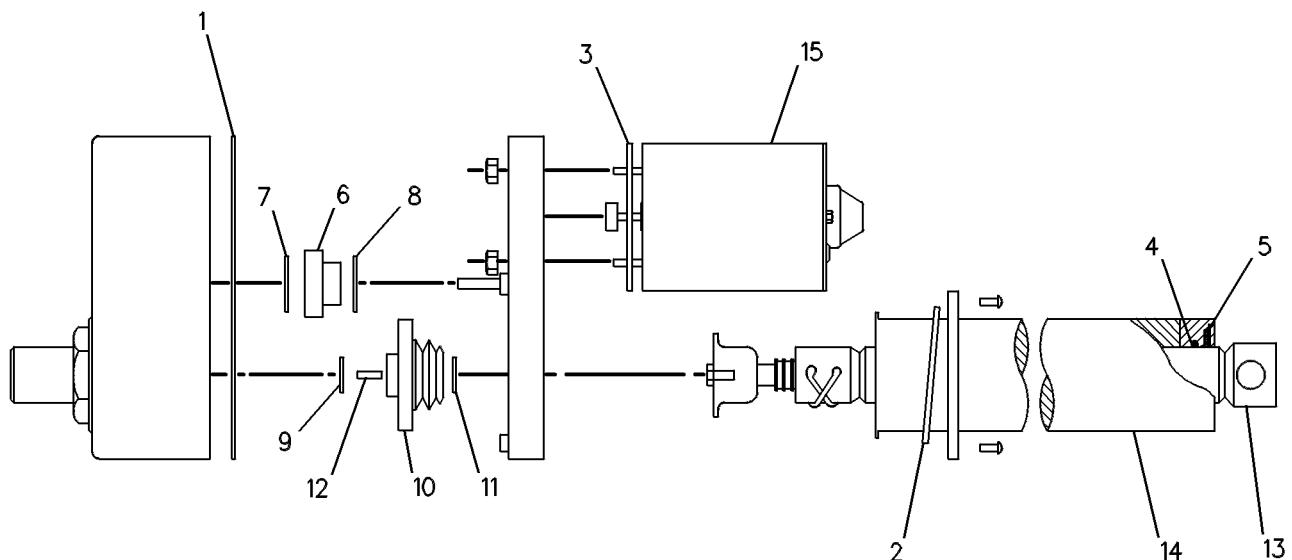
P-KIT MARKED P INCLUDES PARTS MARKED P

Z-NOT SERVICED SEPARATELY

# FRAME AND BODY

102-6331 ACTUATOR GP - POWER (*contd.*)

i01255631



GRAPHIC #1

g00239790

# FRAME AND BODY

## 1Q-3494 CASE & FRAME GP

S/N: 9EM1-UP

PART OF 1Z-0846 GAUGE AR  
AN ATTACHMENT

SMCS-7051

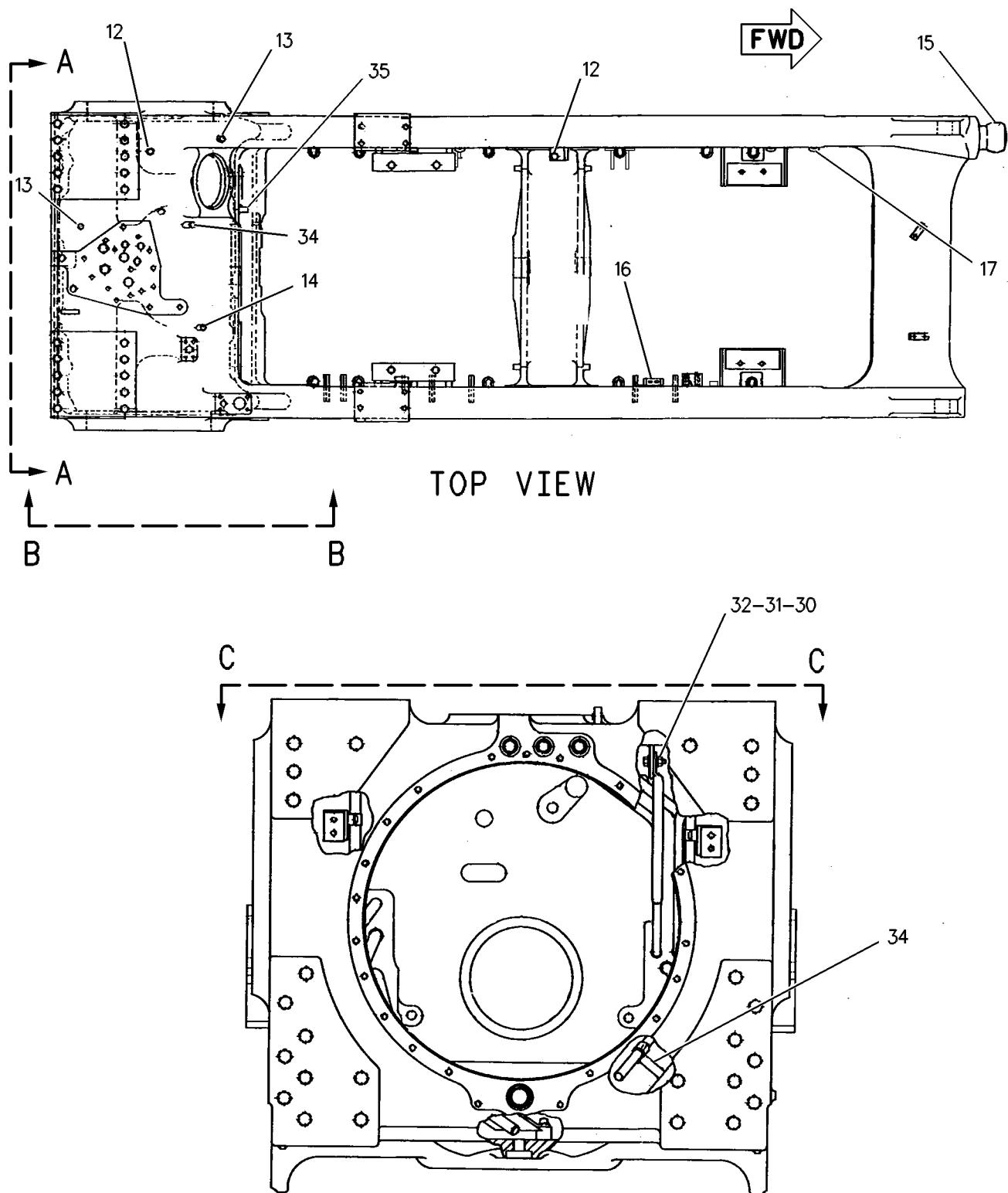
i01323253

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	3		106-8186	1	VALVE-DRAIN							
2	3		106-8187	1	PLUG							
3	3		6F-0711	1	SEAL-O-RING							
4	3		7T-5010	2	BEARING-SLEEVE							
5	3		9P-1780	2	BEARING-SLEEVE							
6	3		1Q-3053	2	BEARING-SLEEVE							
7	3		9S-4191	2	PLUG-O-RING (9/16-18 THD)							
8	3		3J-1907	2	SEAL-O-RING (11.89MM ID)							
9	3		164-4180	1	PLUG AS							
	3		7M-8485	1	SEAL-O-RING (29.74MM ID)							
	3		9S-4181	1	PLUG-STRAIGHT THREAD (1-5/16-12 THD)							
10	3		1Q-3516	1	CASE & FRAME AS							
	3		8V-9885	1	BLOCK							
11	2		5R-0939	2	CLIP (TAB)							
	2		5R-0940	2	CLIP (SLOT)							
12	1		9K-3050	2	STUD-WELD (1/2-13X1.38 IN)							
13	1		8F-9836	3	LUG (3/8-16 THD)							
14	1,2		5H-9394	2	BOSS (1/2-13 THD)							
15	1		110-3292	1	TRUNNION							
16	1		9W-3158	1	BRACKET AS							
17	1		7T-1099	5	LINK							
18	2		5P-1075	8	WASHER-HARD (3MM THK)							
19	2		5D-0353	6	BOLT-LOCKING (3/8-16X1 IN)							
20	2		7S-3919	4	CLIP (SLOT)							
21	2		7S-3916	4	CLIP (TAB)							
22	2		6V-5186	2	CLIP (TAB)							
23	2		6V-5185	2	CLIP (SLOT)							
24	2		2K-4973	4	LOCKNUT (3/8-16 THD)							
25	2		0S-1588	4	BOLT (3/8-16X1.25 IN)							
26	2		3T-6719	1	BRACKET							
27	2		8G-4386	8	SLEEVE (24.9MM OD)							
28	2		3T-6722	4	SLEEVE							
29	2		6K-7917	1	BOLT-LOCKING (1/2-13X1.00 IN)							
30	1,2		5P-8245	3	WASHER-HARD (3MM THK)							
31	1		7B-3235	1	BOLT (1/2-13X1.375 IN)							
32	1		1K-6872	1	LOCKNUT (1/2-13 THD)							
33	2		8M-7145	6	WASHER (5MM THK)							
34	1		8J-4916	3	BOSS							
35	1		4D-7529	1	BOSS (3/8-16 THD)							

# FRAME AND BODY

1Q-3494 CASE & FRAME GP (contd.)

i01323253



VIEW A-A

REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

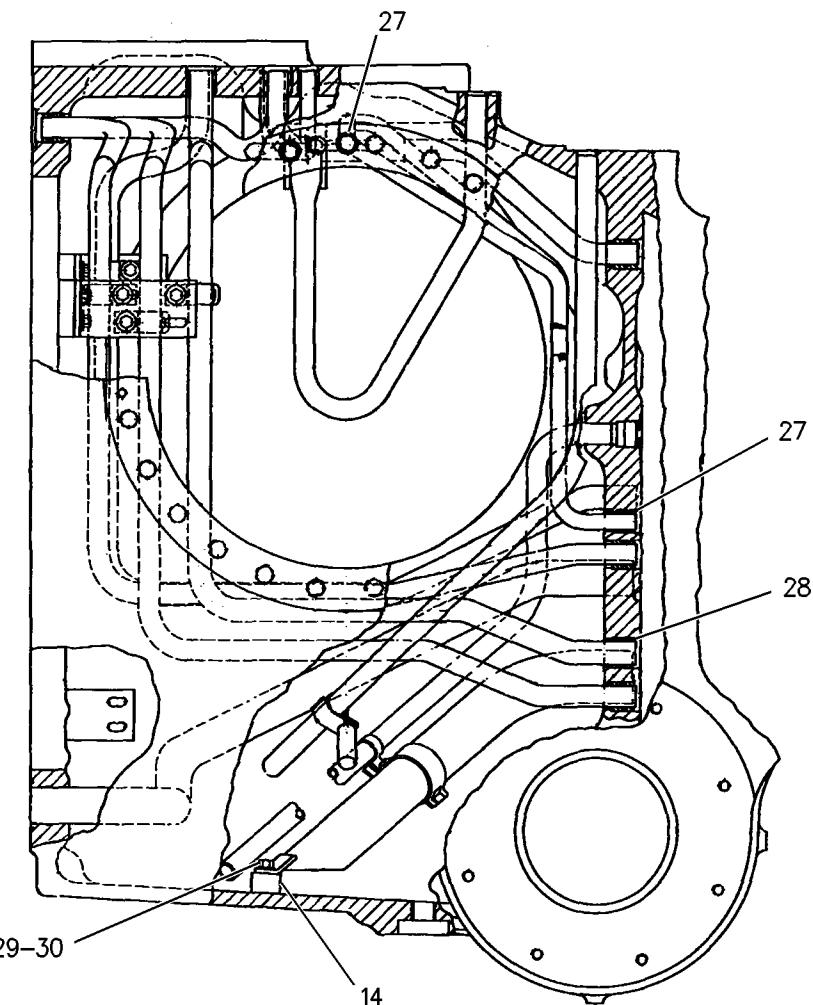
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g00607386

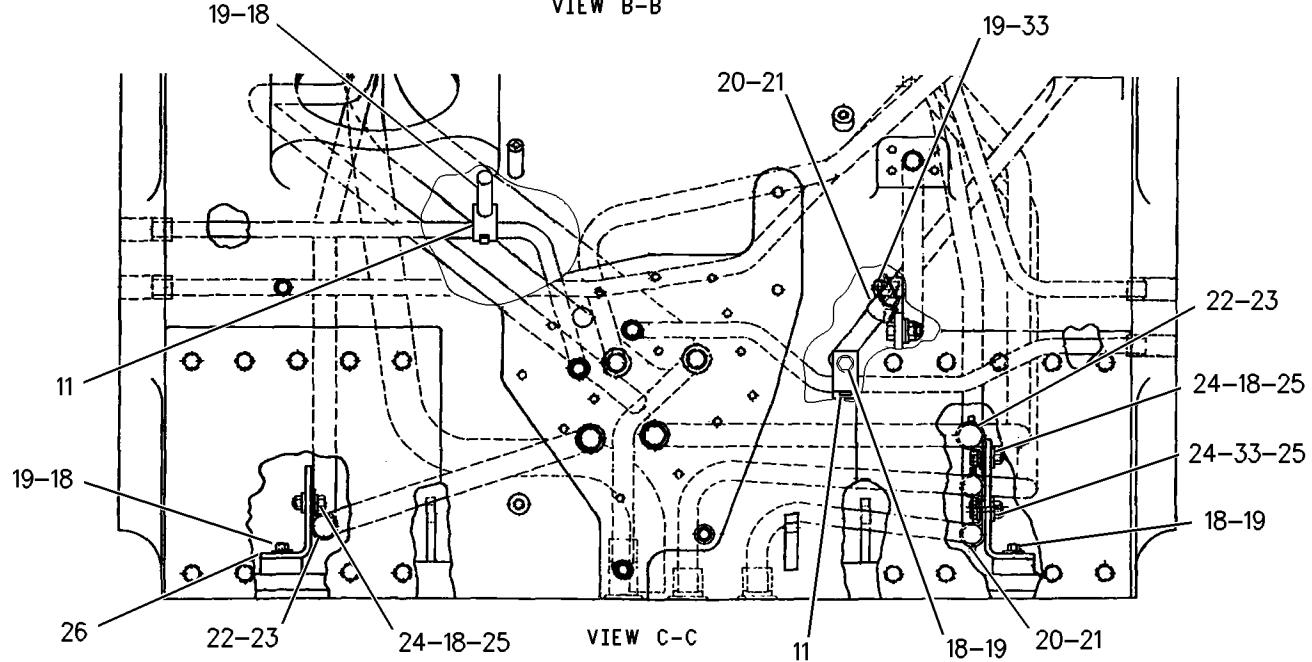
# FRAME AND BODY

1Q-3494 CASE & FRAME GP (*contd.*)

i01323253



VIEW B-B



VIEW C-C

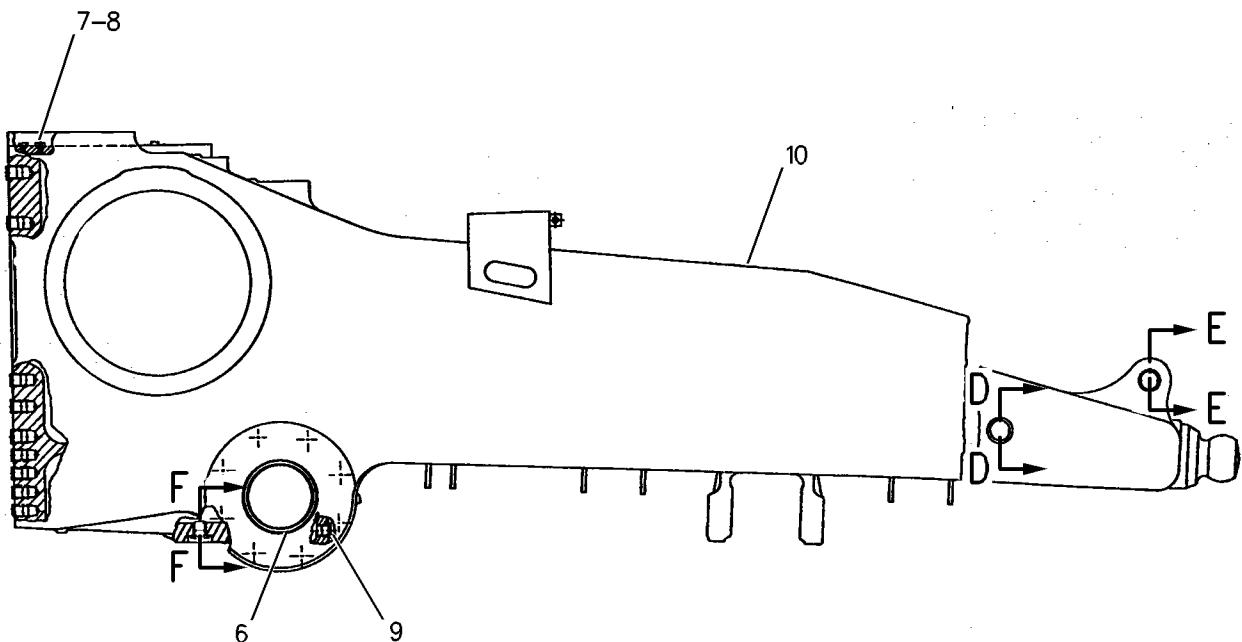
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g00666559

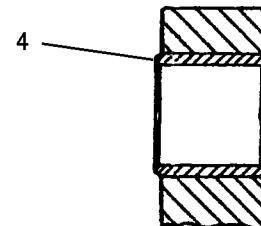
# FRAME AND BODY

1Q-3494 CASE & FRAME GP (contd.)

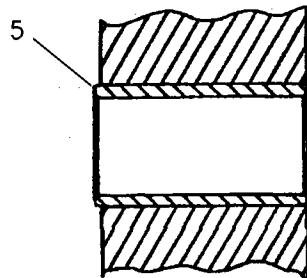
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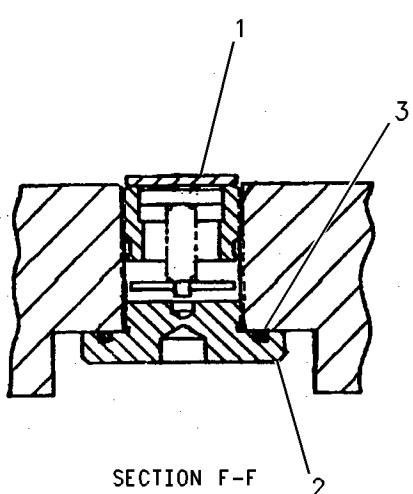
RIGHT SIDE VIEW



SECTION E-E



SECTION D-D



GRAPHIC #3

g00666561

# FRAME AND BODY

## 116-4613 CASE & FRAME GP

S/N: 9EM1-UP

SMCS-7051

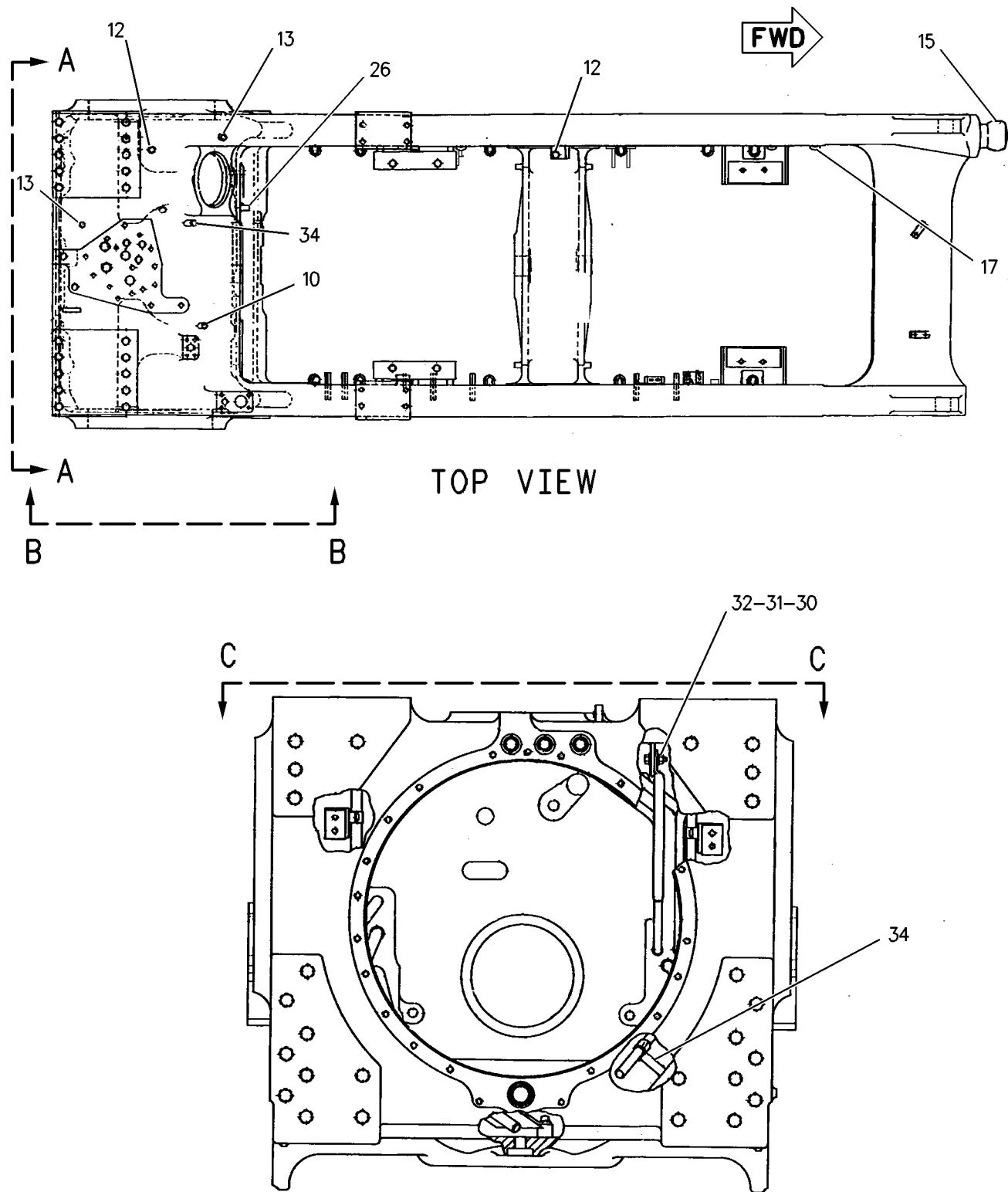
i01235053

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	3		106-8186	1	VALVE						
2	3		106-8187	1	PLUG						
3	3		6F-0711	1	SEAL-O-RING						
4	3		7T-5010	2	BEARING-SLEEVE						
5	3		9P-1780	2	BEARING-SLEEVE						
6	3		3T-4238	2	BEARING-SLEEVE						
7	3		9S-4191	2	PLUG-O-RING (9/16-18 THD)						
8	3		3J-1907	2	SEAL-O-RING (11.89MM ID)						
9	3		164-4180	1	PLUG AS						
	3		7M-8485	1	SEAL-O-RING (29.74MM ID)						
	3		9S-4181	1	PLUG-STRAIGHT THREAD (1-5/16-12 THD)						
10	1		7J-7778	1	LUG (1/2-13 THD)						
11	3		116-4612	1	CASE & FRAME AS						
12	1		9K-3050	2	STUD-WELD (1/2-13X1.38IN OAL)						
13	1		8F-9836	3	LUG (3/8-16 THD)						
14	2		5H-9394	1	BOSS (1/2-13 THD)						
15	1		110-3292	1	TRUNNION						
16	2		5R-0940	2	CLIP (SLOT)						
17	1		7T-1099	3	LINK						
18	2		5P-1075	11	WASHER-HARD (3MM THK)						
19	2		5D-0353	9	BOLT-LOCKING (3/8-16X1IN)						
20	2		7S-3919	5	CLIP (SLOT)						
21	2		7S-3916	5	CLIP (TAB)						
22	2		6V-5186	2	CLIP (TAB)						
23	2		6V-5185	2	CLIP (SLOT)						
24	2		2K-4973	4	LOCKNUT (3/8-16 THD)						
25	2		0S-1588	4	BOLT (3/8-16X1.25IN)						
26	1		4D-7529	1	BOSS (3/8-16 THD)						
27	2		5R-0939	2	CLIP (TAB)						
28	2		8D-3508	1	BOSS (3/8-16 THD)						
29	2		6K-7917	1	BOLT-LOCKING (1/2-13X1.00IN)						
30	1,2		5P-8245	3	WASHER-HARD (3MM THK)						
31	1		7B-3235	1	BOLT (1/2-13X1.375IN)						
32	1		1K-6872	1	LOCKNUT (1/2-13 THD)						
33	2		8M-7145	6	WASHER (5MM THK)						
34	1,2		8J-4916	3	BOSS						

# FRAME AND BODY

116-4613 CASE & FRAME GP (contd.)

i01235053



VIEW A-A

REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

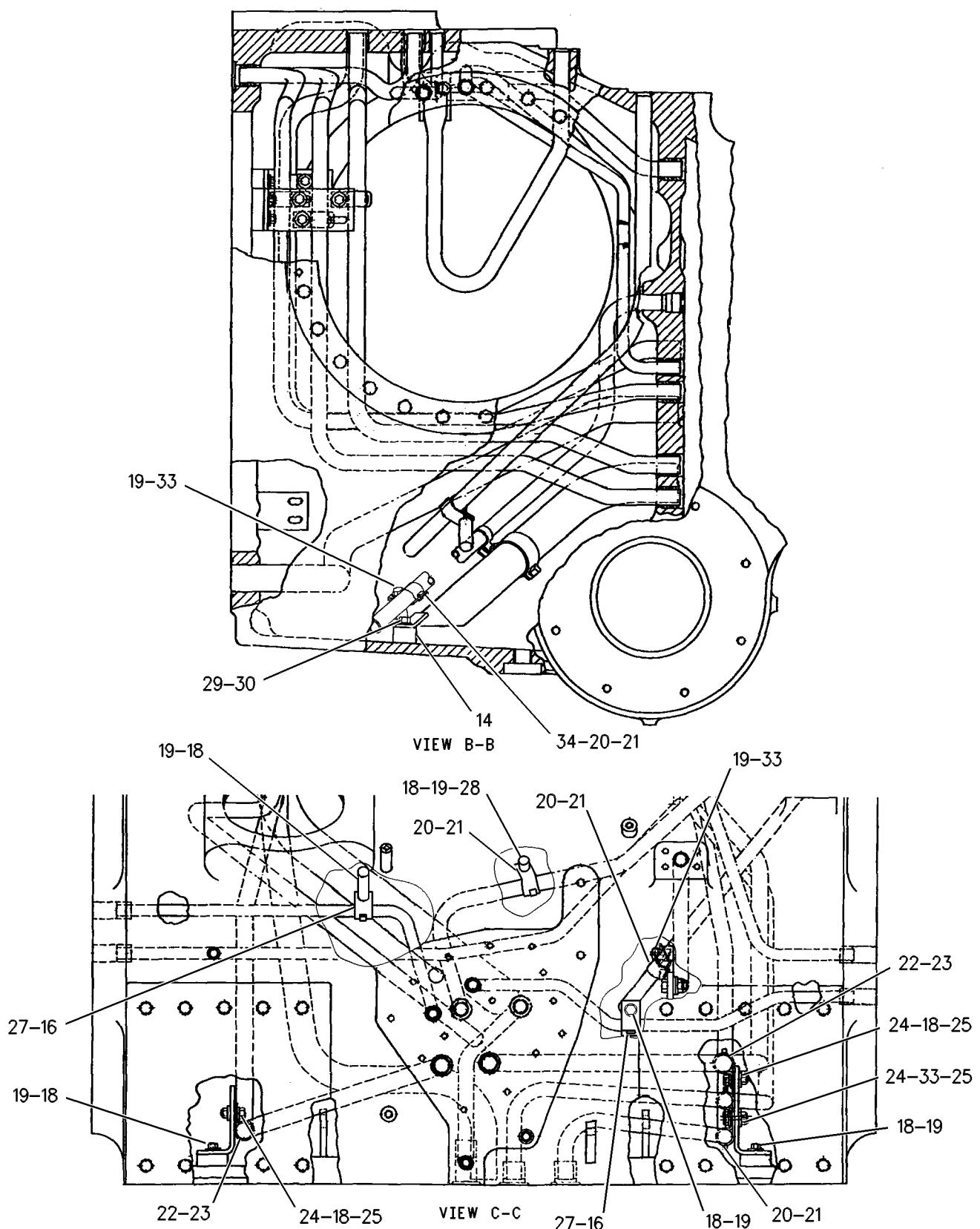
GRAPHIC #1

g00665728

# FRAME AND BODY

116-4613 CASE & FRAME GP (*contd.*)

i01235053



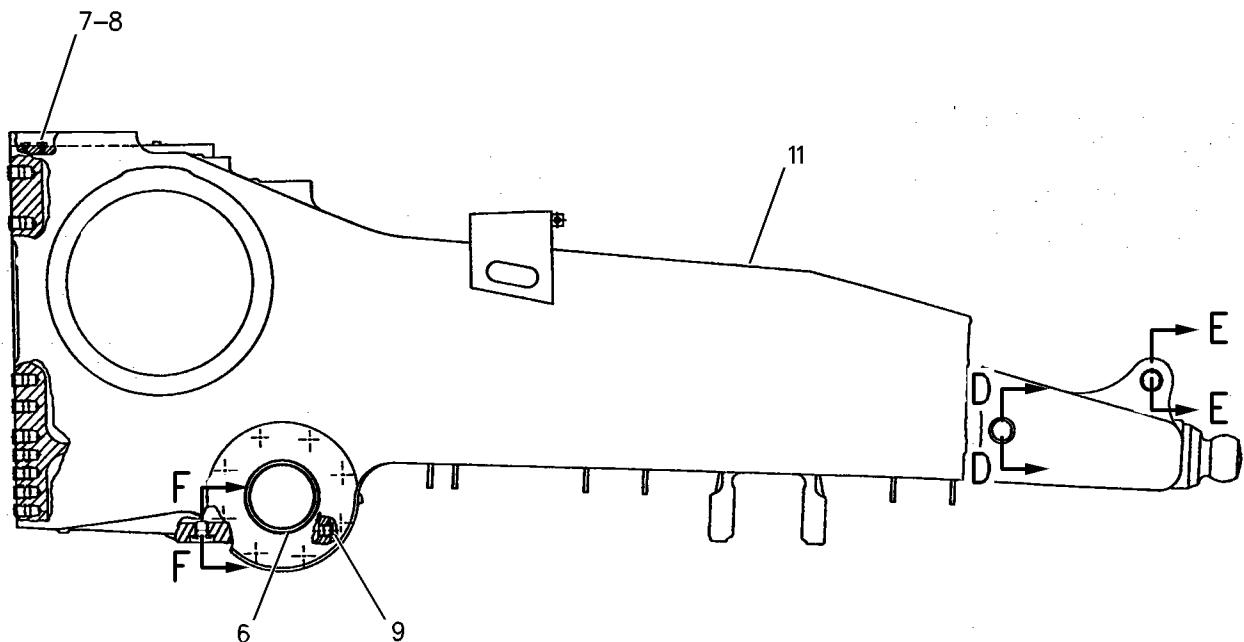
GRAPHIC #2

g00623912

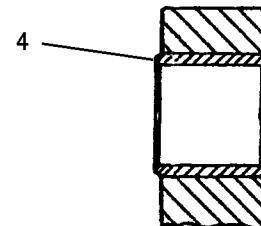
# FRAME AND BODY

116-4613 CASE & FRAME GP (*contd.*)

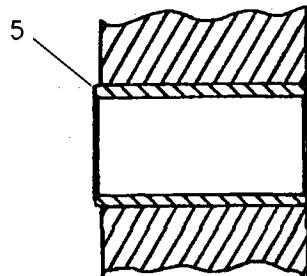
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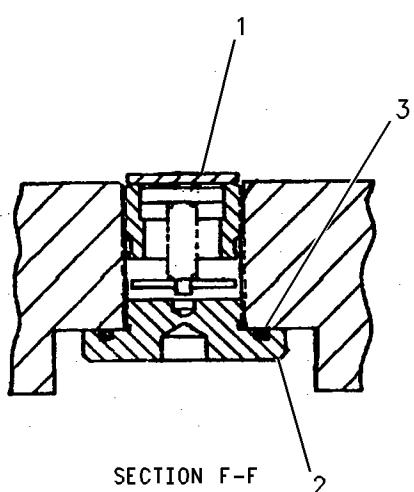
RIGHT SIDE VIEW



SECTION E-E



SECTION D-D



SECTION F-F

GRAPHIC #3

g00665729

# FRAME AND BODY

## 130 - 1934 CASE & FRAME GP

S/N: 9EM1-UP

PART OF 130-1935 GUARD AR-BOTTOM  
AN ATTACHMENT

SMCS-7051

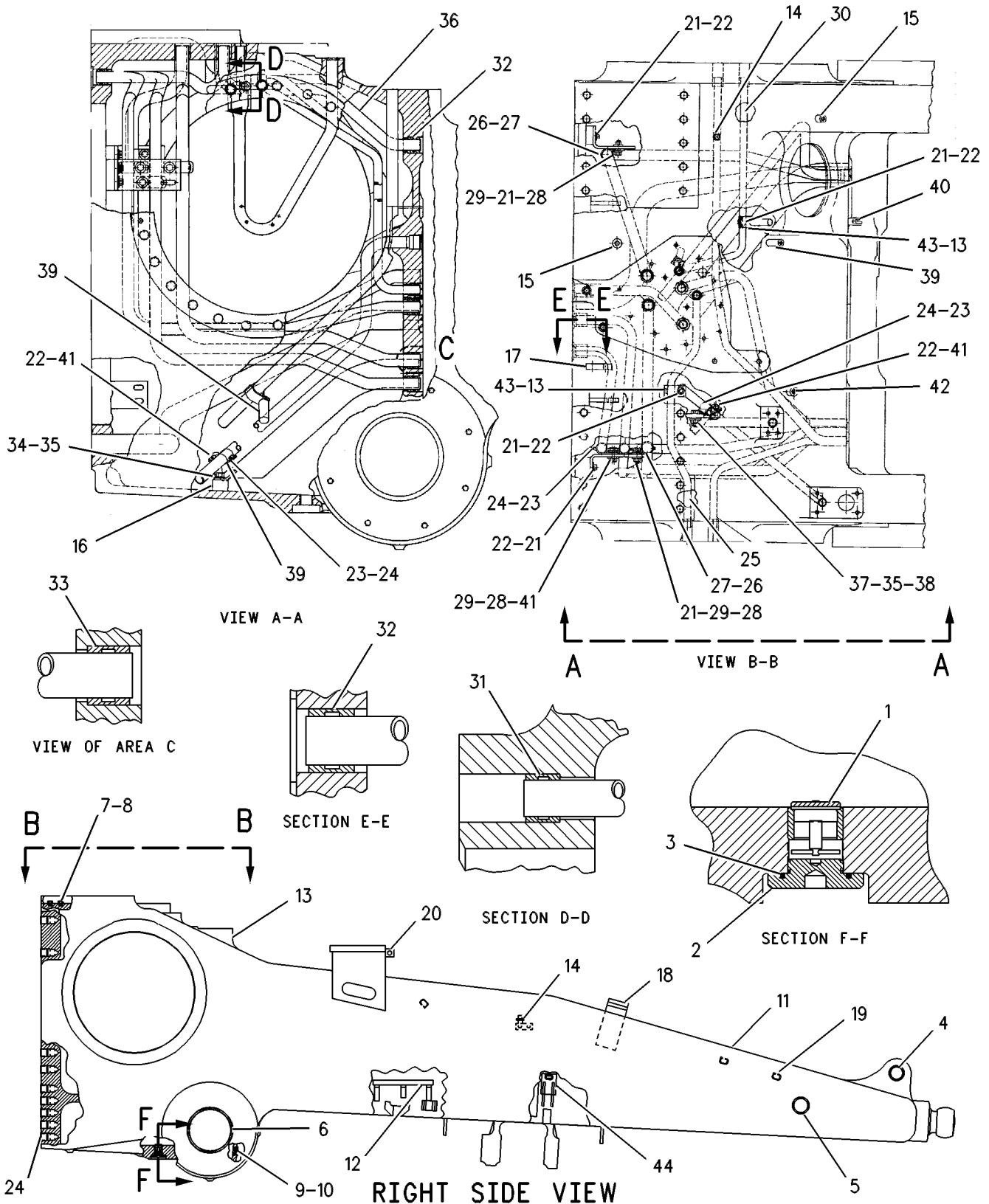
i01381069

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		106-8186	1	VALVE-DRAIN							
2	1		106-8187	1	PLUG							
3	1		6F-0711	1	SEAL-O-RING (40.87MM ID) (40.9MM ID)							
4	1		7T-5010	2	BEARING-SLEEVE							
5	1		9P-1780	2	BEARING-SLEEVE							
6	1		3T-4238	2	BEARING-SLEEVE							
7	1		9S-4191	2	PLUG-O-RING							
8	1		3J-1907	2	SEAL-O-RING (11.89MM ID)							
9	1		9S-4181	1	PLUG-STRAIGHT THREAD							
10	1		7M-8485	1	SEAL-O-RING (29.74MM ID)							
11	1		130-1933	1	CASE & FRAME AS							
12	1		112-1494	1	PLATE AS							
	1		7T-1099	1	LINK							
13	1		5R-0940	2	CLIP (SLOT)							
14	1		9K-3050	2	STUD-WELD							
15	1		8F-9836	3	LUG (3/8-16 THD)							
16	1		5H-9394	1	BOSS							
17	1		7G-3945	1	PLATE							
18	1		9W-3158	1	BRACKET AS							
	1		7G-3945	1	PLATE							
19	1		7T-1099	3	LINK							
20	1		8V-9885	1	BLOCK							
21	1		5P-1075	10	WASHER-HARD (10.2X22.5X3MM THK)							
22	1		5D-0353	8	BOLT-LOCKING (3/8-16X1 IN)							
23	1		7S-3919	4	CLIP (SLOT)							
24	1		7S-3916	4	CLIP (TAB)							
25	1		6Y-4506	1	TUBE							
26	1		6V-5186	2	CLIP (TAB)							
27	1		6V-5185	2	CLIP (SLOT)							
28	1		2K-4973	4	LOCKNUT							
29	1		0S-1588	4	BOLT (3/8-16X1.25 IN)							
30	1		6Y-4512	1	TUBE							
31	1		8G-4386	8	SLEEVE							
32	1		9X-8404	8	SLEEVE							
33	1		3T-6722	4	SLEEVE							
34	1		6K-7917	1	BOLT-LOCKING (1/2-13X1.00 IN)							
35	1		5P-8245	3	WASHER-HARD (13.5X25.5X3MM THK)							
36	1		6Y-4509	1	TUBE							
37	1		7B-3235	1	BOLT (1/2-13X1.375 IN)							
38	1		1K-6872	1	LOCKNUT (1/2-13 THD)							
39	1		8J-4916	3	BOSS (3/8-16 THD)							
40	1		4D-7529	1	BOSS (3/8-16 THD)							
41	1		8M-7145	6	WASHER (10.2X28.5X5MM THK)							
42	1		7J-7778	1	LUG (1/2-13 THD)							
43	1		5R-0939	2	CLIP (TAB)							
44	1		112-1345	1	PLATE AS							
	1		7T-1099	1	LINK							

# FRAME AND BODY

**130 - 1934 CASE & FRAME GP (contd.)**

i01381069



## GRAPHIC #1

g00273454

# FRAME AND BODY

## 112-8117 CONTROL AS-REMOTE

S/N: 9EM1-UP

PART OF 130-1935 GUARD AR-BOTTOM  
AN ATTACHMENT

**SMCS-1408**

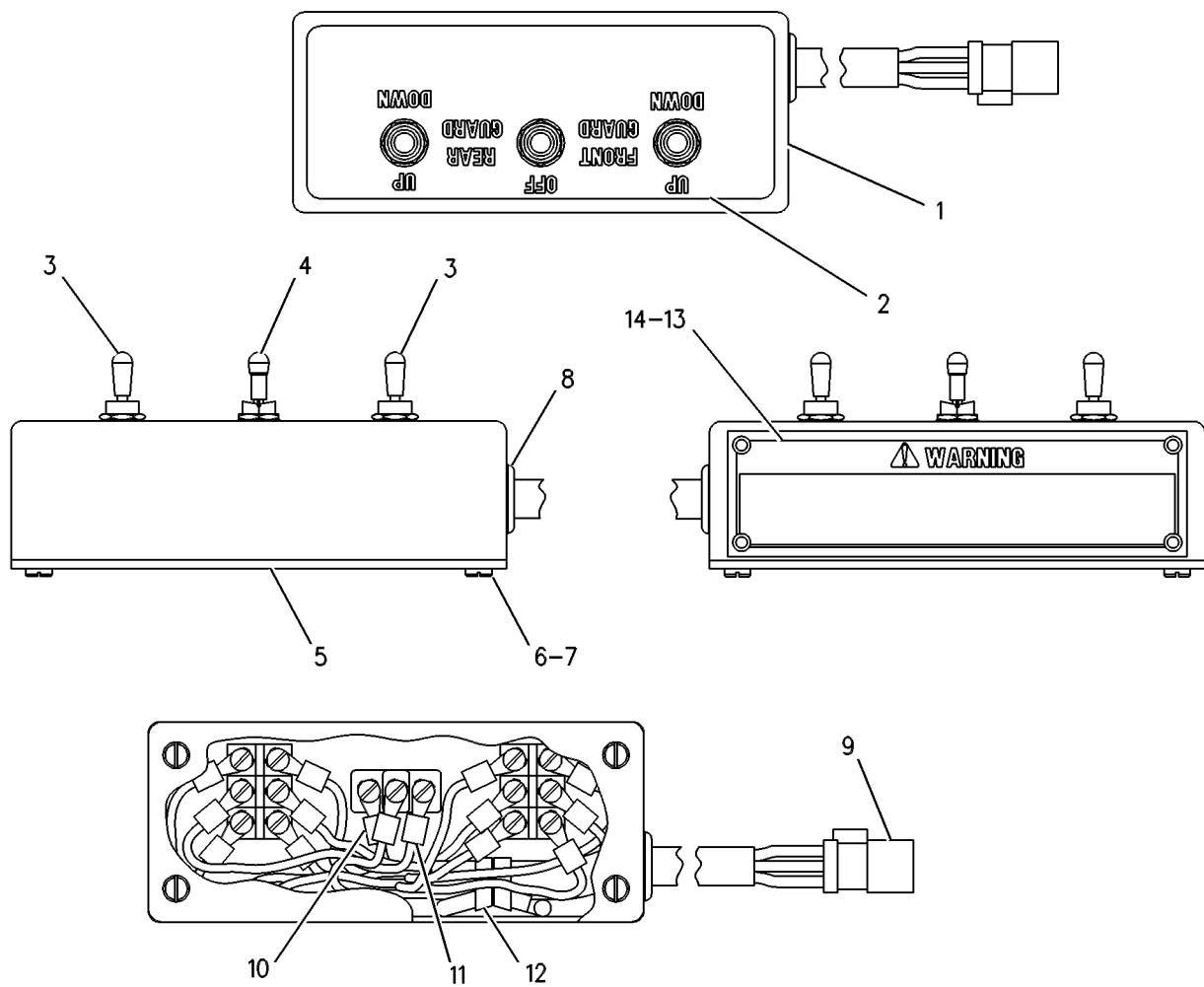
**i01255635**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		<b>112-8115</b>	1	BOX AS							
	1		<b>7T-1099</b>	1	LINK							
	1		<b>9D-6621</b>	4	NUT-WELD (10-24 THD)							
2	1		<b>112-8118</b>	1	FILM							
3	1		<b>7N-8008</b>	2	SWITCH GP-TOGGLE (2 POLE) (GUARD UP\DOWN) (EACH INCLUDES)							
	1		<b>3L-8187</b>	6	LOCKWASHER (NO.6-INT)							
	1		<b>6T-3631</b>	2	NUT-HEX (15/32-32 THD)							
	1		<b>6T-3632</b>	1	LOCKWASHER (12MM ID)							
	1		<b>6T-3633</b>	1	LOCKRING (12.3MM ID)							
	1		<b>6V-8374</b>	6	SCREW-MACHINE (6-32X.25 IN)							
4	1		<b>6T-6970</b>	1	SWITCH AS-TOGGLE (ON/OFF)							
	1		<b>3L-8187</b>	3	LOCKWASHER (NO.6-INT)							
	1		<b>6T-3631</b>	2	NUT-HEX (15/32-32 THD)							
	1		<b>6T-3632</b>	1	LOCKWASHER (12MM ID)							
	1		<b>6T-3633</b>	1	LOCKRING (12.3MM ID)							
	1		<b>6V-8374</b>	3	SCREW-MACHINE (6-32X.25 IN)							
5	1		<b>112-8116</b>	1	COVER							
6	1		<b>2N-3479</b>	4	SCREW (10-24X.5IN)							
7	1		<b>9F-8125</b>	4	LOCKWASHER (#10-EXT.)							
8	1		<b>2S-9727</b>	1	GROMMET							
9	1		<b>112-8111</b>	1	HARNESS AS							
10	1		<b>112-8124</b>	1	WIRE AS							
11	1		<b>112-9416</b>	1	WIRE AS							
12	1		<b>7K-1181</b>	2	STRAP-CABLE (4IN DIA)							
13	1		<b>113-5819</b>	1	PLATE-WARNING							
14	1		<b>2K-3219</b>	4	SCREW-DRIVE							

# FRAME AND BODY

112-8117 CONTROL AS-REMOTE (*contd.*)

i01255635



GRAPHIC #1

g00276734

# FRAME AND BODY

## 6Y-0609 COUNTERWEIGHT GP

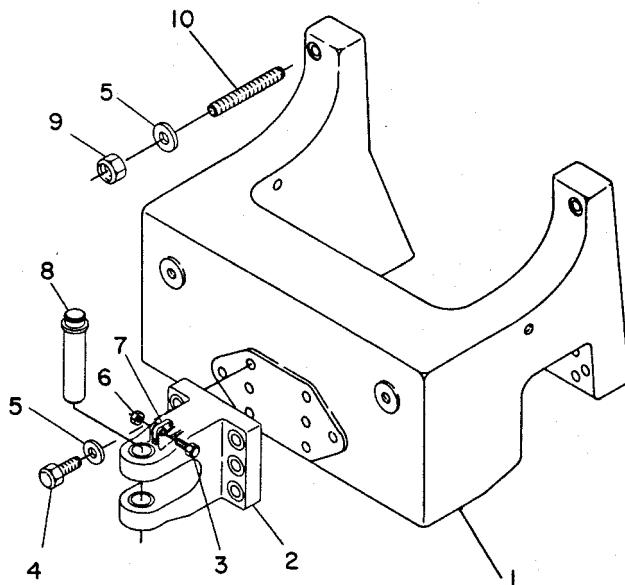
S/N: 9EM1-UP

AN ATTACHMENT

SMCS-7056

i00569876

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		6Y-0610	1	COUNTERWEIGHT							
2	1		7G-6623	1	HITCH							
3	1		7X-0349	1	BOLT (5/8-11X3IN)							
4	1		7X-0429	6	BOLT (1-1/4-7X4.50IN)							
5	1		7X-0533	14	WASHER-HARD (6MM THK)							
6	1		3K-2889	1	LOCKNUT (5/8-11 THD)							
7	1		8E-9289	1	LATCH							
8	1		1H-4106	1	PIN AS-DRAWBAR							
9	1		7X-0451	8	NUT-FULL (1-1/4-7 THD)							
10	1		5P-7493	8	STUD-TAPERLOCK							



GRAPHIC #1

g00187768

# FRAME AND BODY

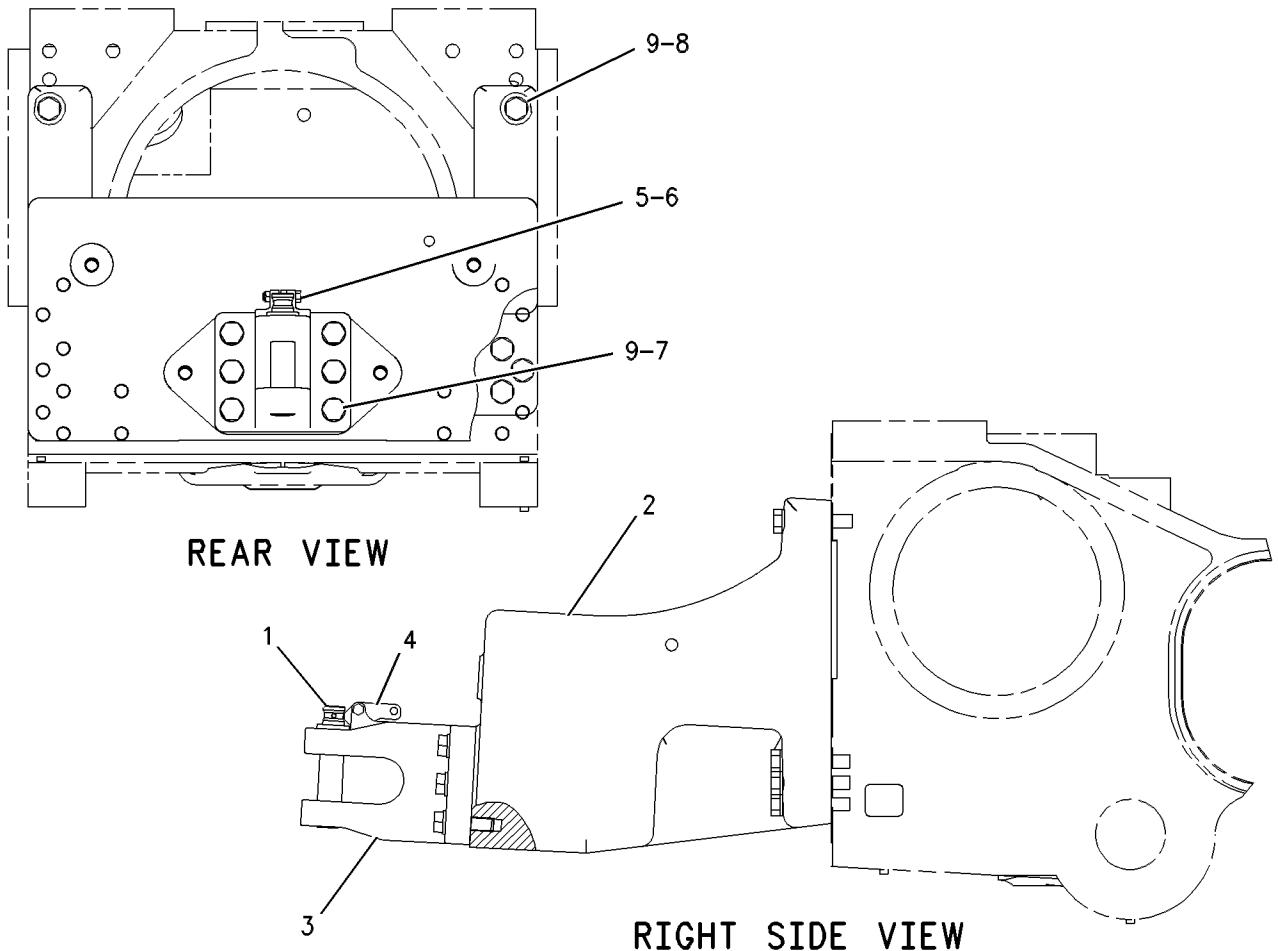
## 159-8104 COUNTERWEIGHT GP

S/N: 9EM1-UP  
AN ATTACHMENT

SMCS-7056

i01446952

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		1H-4106	1	PIN AS-DRAWBAR						
2	1		6Y-0610	1	COUNTERWEIGHT						
3	1		7G-6623	1	HITCH						
4	1		8E-9289	1	LATCH						
5	1		3K-2889	1	LOCKNUT						
6	1		7X-0349	1	BOLT (5/8-11X3 IN)						
7	1		7X-0429	6	BOLT (1 1/4-7X4.50 IN)						
8	1		7X-0432	8	BOLT (1 1/4-7 X 6.5IN)						
9	1		7X-0533	14	WASHER-HARD (34X55X6MM THK)						



GRAPHIC #1

g00533310

# FRAME AND BODY

## 7T-2512 DRAWBAR GP

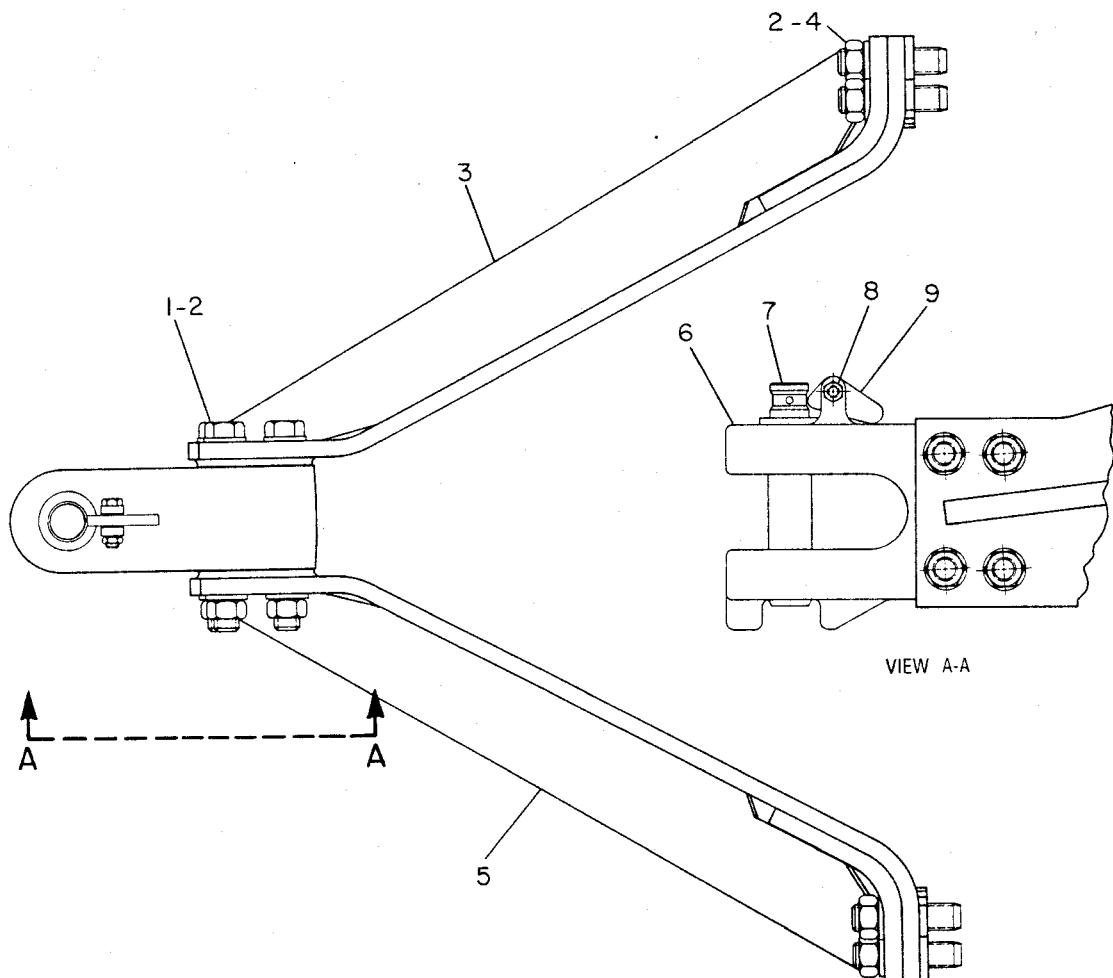
S/N: 9EM1-1212

AN ATTACHMENT

SMCS-7105, 7119

i01065840

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
1	1		7X-0437	4	BOLT							
			1	4	NUT-FULL (1-1/4-7 THD)							
2	1		7X-0533	16	WASHER-HARD (6MM THK)							
3	1		7T-5793	1	BRACKET AS-LH							
4	1		7T-5790	8	STUD-TAPERLOCK							
			1	8	NUT-FULL (1 1/4-12 THD)							
5	1		7T-5798	1	BRACKET AS-RH							
6	1		2H-2534	1	CLEVIS-DRAWBAR							
7	1		1H-4106	1	PIN AS-DRAWBAR							
8	1		7X-0347	1	BOLT (5/8-11X2.25IN)							
			1	1	LOCKNUT (5/8-11 THD)							
9	1		5H-2168	1	LATCH-PIN							



GRAPHIC #1

g00178019

# FRAME AND BODY

## 159-8105 DRAWBAR GP

S/N: 9EM1213-UP

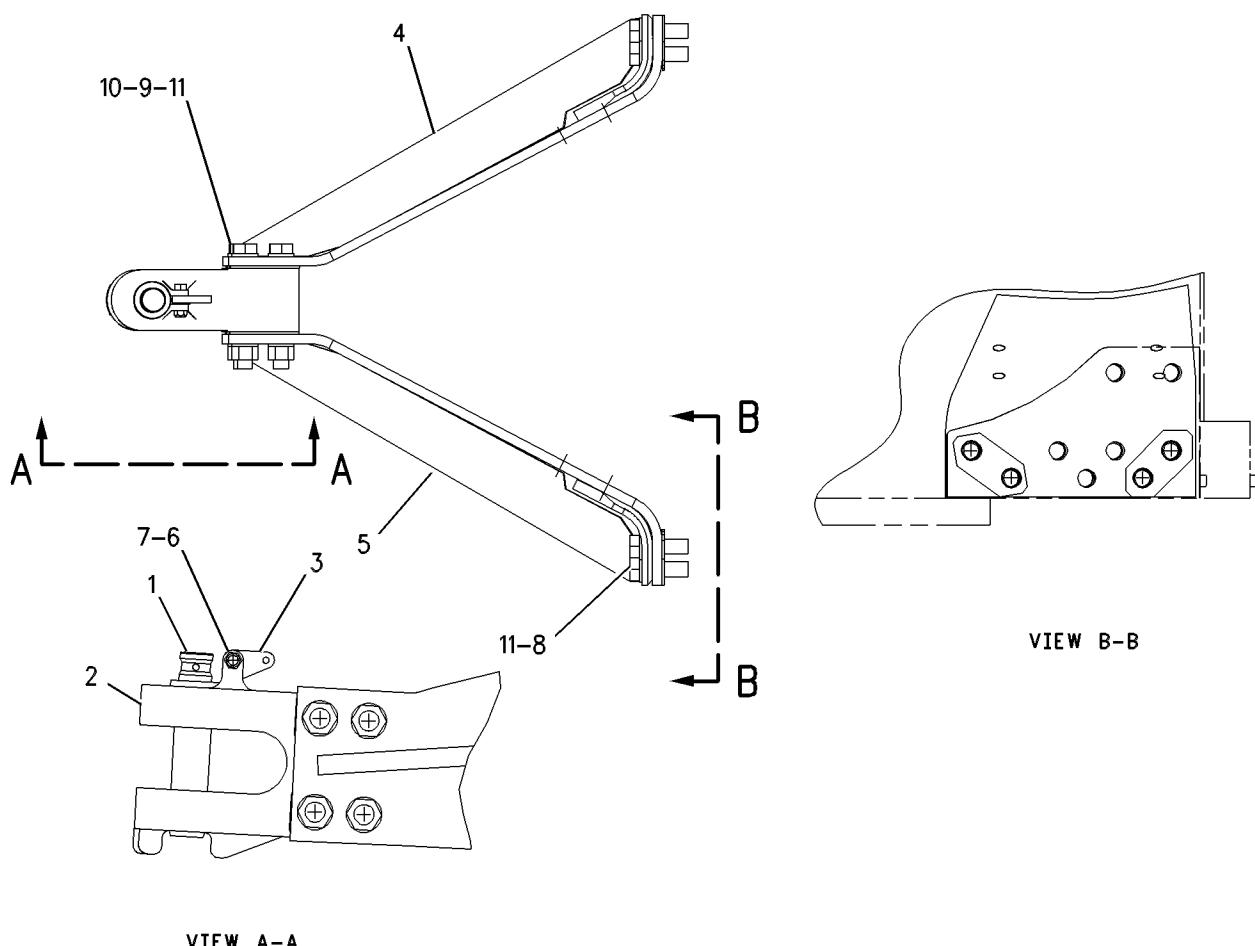
AN ATTACHMENT

TYPE 1

SMCS-7105, 7119

i01446973

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		1H-4106	1	PIN AS-DRAWBAR							
2	1		2H-2534	1	CLEVIS-DRAWBAR							
3	1		5H-2168	1	LATCH-PIN							
4	1		7T-5793	1	BRACKET AS-LH							
5	1		7T-5798	1	BRACKET AS-RH							
6	1		3K-2889	1	LOCKNUT							
7	1		7X-0347	1	BOLT (5/8-11X2.25 IN)							
8	1		7X-0428	8	BOLT (1 1/4-7X4 IN)							
9	1		7X-0437	4	BOLT							
10	1		7X-0451	4	NUT-FULL (1-1/4-7 THD)							
11	1		7X-0533	16	WASHER-HARD (34X55X6MM THK)							



VIEW A-A

VIEW B-B

GRAPHIC #1

g00533340

# FRAME AND BODY

## 159-8105 DRAWBAR GP

S/N: 9EM1213-UP

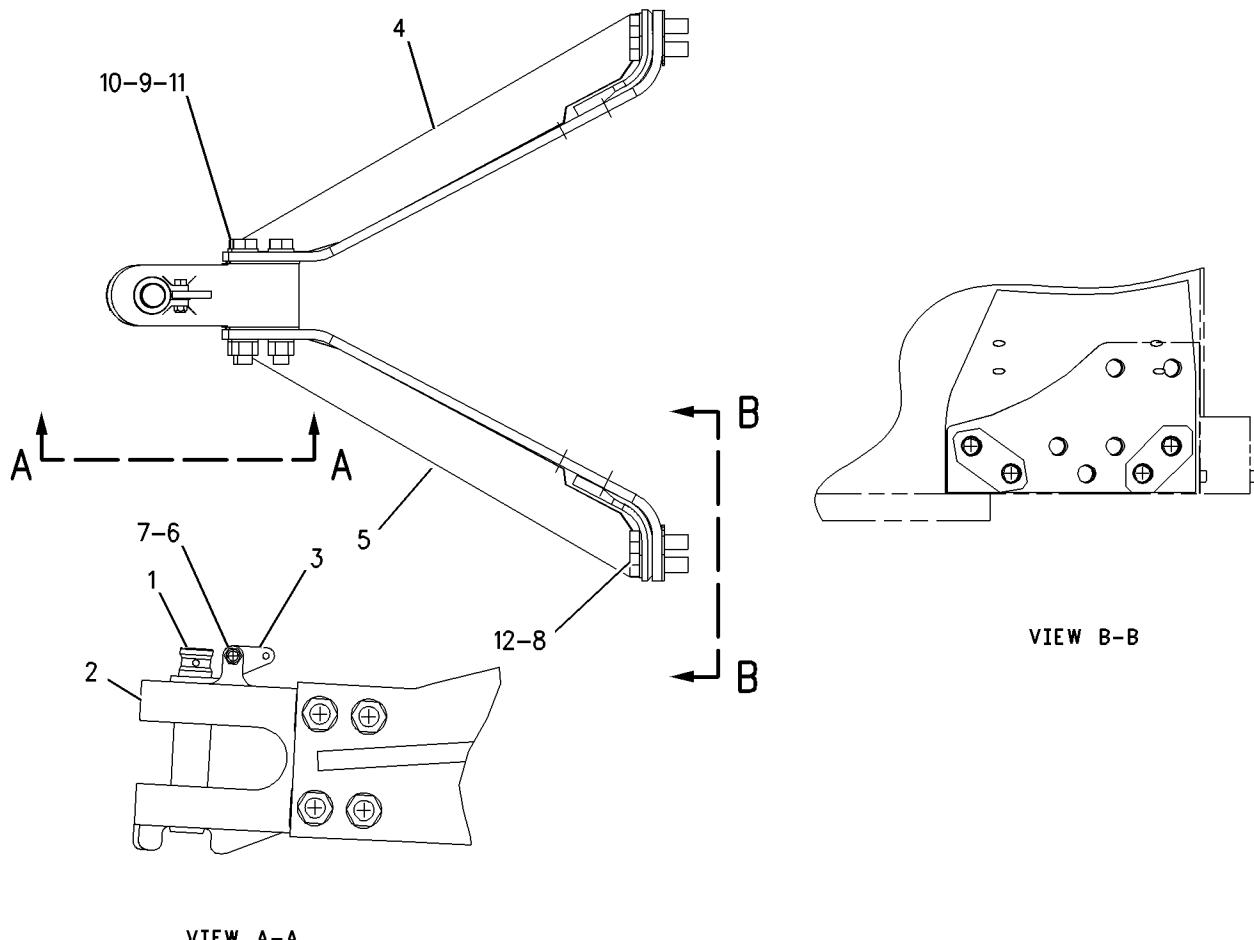
AN ATTACHMENT

TYPE 2

SMCS-7105, 7119

i01657711

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6	
1	1		1H-4106	1	PIN AS-DRAWBAR	
2	1		2H-2534	1	CLEVIS-DRAWBAR	
3	1		5H-2168	1	LATCH-PIN	
4	1		7T-5793	1	BRACKET AS-LH	
5	1		7T-5798	1	BRACKET AS-RH	
6	1		3K-2889	1	LOCKNUT (5/8-11 THD)	
7	1		7X-0347	1	BOLT (5/8-11X2.25 IN)	
8	1		7X-0428	8	BOLT (1 1/4-7X4 IN)	
9	1		7X-0437	4	BOLT (1-1/4-7X9.5 IN)	
10	1		7X-0451	4	NUT-FULL (1-1/4-7 THD)	
11	1		7X-0533	8	WASHER-HARD (34X55X6MM THK)	
12	1		5D-0764	8	WASHER-HARD (34X57X8MM THK)	



GRAPHIC #1

g00868298

# FRAME AND BODY

## 108 - 1722 ENCLOSURE GP - ENGINE

S/N: 9EM1-1313

SOUND SUPPRESSION

PART OF 141-8019 SUPPRESSION AR-SOUND  
AN ATTACHMENT

**SMCS-7263**

**i01469347**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	108 - 1723	1	HOOD AS	
	2	1	108 - 1730	1	DOOR AS-RH	
		1	1F-0750	6	NUT-WELD (3/8-16 THD)	
		1	3G-9190	1	PLATE	
		1	6P-2215	4	PIN-WELD (1.25MM)	
		1	6P-9116	2	SPACER	
		1	6Y-9625	8	PIN-WELD (.47MM)	
3	1	127 - 1054	1	PLATE AS-RH		
		1	6B-4594	7	RIVET	
4	1	127 - 1056	1	PLATE AS-LH		
		1	6B-4594	7	RIVET	
5	1	6T-9509	2	HINGE AS-RH		
6	1	6T-9510	2	HINGE AS-LH		
BD	7	1	5P-7211	1	SEAL	
	8	1	7T-8201	2	BLOCK	
	9	1	114-0399	1	PLATE AS-RH	
		1	7G-4928	2	SPACER	
	10	1	9W-9044	2	PLATE	
	11	1	9W-8081	1	PLATE AS-RH	
		1	1F-0750	3	NUT-WELD (3/8-16 THD)	
	12	1	7T-7213	2	PLATE	
	13	1	7T-7214	2	PLATE	
	14	1	9W-8083	1	PLATE AS	
		1	1F-0750	3	NUT-WELD (3/8-16 THD)	
	15	1	9W-5290	2	PLATE AS	
	16	1	9W-6986	1	PLATE AS	
		1	1F-0750	6	NUT-WELD (3/8-16 THD)	
	17	1	9W-6987	1	PLATE AS	
		1	1F-0750	6	NUT-WELD (3/8-16 THD)	
	18	1	9W-8940	2	PLATE	
	19	1	8Y-4000	2	LATCH AS (T-BAR/COMPARTMENT) (EACH INCLUDES)	
		1	6H-3956	1	PIN	
		1	7X-0766	1	SPRING-LATCH	
		1	8Y-3966	1	WASHER (14.7X35X1.57MM THK)	
		1	8Y-3998	1	HANDLE-LATCH	
		1	8Y-3999	1	BRACKET-MOUNTING	
		1	8Y-8306	1	SHAFT-LATCH	
20	1	127 - 1059	1	ANGLE AS-RH		
		1	1F-0750	2	NUT-WELD (3/8-16 THD)	
21	1	9W-8084	2	PLATE		
22	1	1H-3337	2	BOLT (1/4-20X0.875 IN)		
23	1	2D-6235	2	LOCKNUT		
24	1	5M-3062	32	BOLT (3/8-16X0.75 IN)		
25	1	5P-1075	28	WASHER-HARD (10.2X22.5X3MM THK)		
26	1	5S-7382	4	BOLT (3/8-16X1.375 IN)		
27	1	8T-4896	12	WASHER-HARD (10.2X18.5X2.5MM THK)		
28	1	8T-2561	4	WASHER-HARD (10.5X28.5X5MM THK)		
29	1	8T-9377	4	BOLT (3/8-16X2.25 IN)		
B	30	1	8T-4123	4	WASHER-PLATED (22X35X3.5MM THK)	
BD	31	1	5P-7483	1	SEAL	
	32	1	8T-9496	4	LOCKNUT	
	33	1	6V-1193	12	SCREW-HEX SOCKET (3/8-16X.625 IN)	
	34	1	2K-4973	4	LOCKNUT	

# FRAME AND BODY

**108-1722 ENCLOSURE GP-ENGINE (contd.)**

**i01469347**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE
					1 2 3 4 5 6		
35	1		4L-6454	4	BOLT (3/8-16X1 IN)		
36	1		5P-8502	2	PADLOCK GP		
					(EACH INCLUDES)		
A	1		5P-8500	1	KEY		
A	1		8Y-6364	1	SLEEVE		
37	1		7C-1188	1	SHIELD		
38	1		114-0401	1	PLATE AS-LH		
	1		7G-4928	2	SPACER		
39	1		3V-9399	2	ROD AS		
					(EACH INCLUDES)		
	1		4B-4278	2	WASHER (10.2X20.5X1.6MM THK)		
40	1		4M-7470	2	GROMMET		
41	1		3B-4605	2	COTTER		
42	1		4B-4278	2	WASHER (10.2X20.5X1.6MM THK)		
43	1		119-6642	1	PLATE AS-RH		
	1		1F-0750	7	NUT-WELD (3/8-16 THD)		
	1		6P-2215	9	PIN-WELD (1.25MM)		
	1		6Y-9625	5	PIN-WELD (57.15MM)		
44	1		119-6643	1	PLATE AS-LH		
	1		1F-0750	11	NUT-WELD (3/8-16 THD)		
	1		6K-2198	1	BOSS		
	1		6Y-9625	7	PIN-WELD (57.15MM)		
45	1		127-2269	1	ANGLE AS-LH		
	1		1F-0750	2	NUT-WELD (3/8-16 THD)		
46	1		4H-2558	2	GROMMET (RH)		
47	1		120-6459	1	PLATE AS (LH)		
	1		6P-2215	6	PIN-WELD (1.25MM)		
48	1		121-2829	1	DOOR AS-LH		
	1		1F-0750	6	NUT-WELD (3/8-16 THD)		
	1		3G-9190	1	PLATE		
	1		6P-9116	2	SPACER		
	1		6Y-9625	10	PIN-WELD (57.15MM)		

A-NOT PART OF THIS GROUP

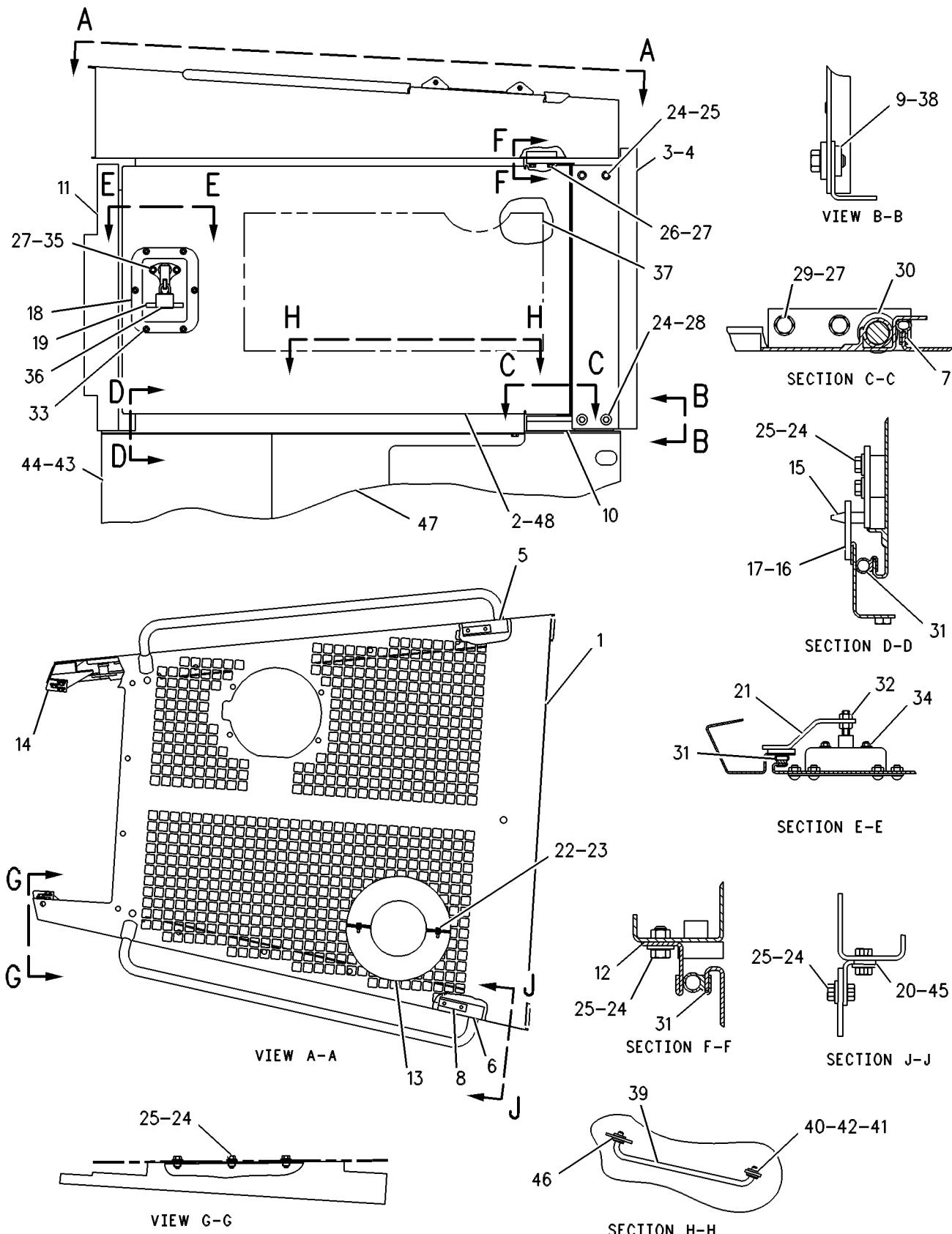
B-USE AS REQUIRED

D-ORDER BY THE METER

# FRAME AND BODY

108-1722 ENCLOSURE GP-ENGINE (contd.)

i01469347



# FRAME AND BODY

## 108 - 1722 ENCLOSURE GP - ENGINE

S/N: 9EM1314-UP

SOUND SUPPRESSION

PART OF 141-8019 SUPPRESSION AR-SOUND  
AN ATTACHMENT

**SMCS-7263**

**i01657374**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	108 - 1723	1	HOOD AS	
	2	1	108 - 1730	1	DOOR AS-RH	
		1	1F-0750	6	NUT-WELD (3/8-16 THD)	
		1	3G-9190	1	PLATE	
		1	6P-2215	4	PIN-WELD (1.25MM)	
		1	6P-9116	2	SPACER	
		1	6Y-9625	8	PIN-WELD (.47MM)	
3	1	127 - 1054	1	PLATE AS-RH		
		1	6B-4594	7	RIVET	
4	1	127 - 1056	1	PLATE AS-LH		
		1	6B-4594	7	RIVET	
5	1	6T-9509	2	HINGE AS		
6	1	6T-9510	2	HINGE AS		
BD	7	1	5P-7211	1	SEAL	
	8	1	7T-8201	2	BLOCK	
	9	1	114-0399	1	PLATE AS-RH	
		1	7G-4928	2	SPACER	
	10	1	9W-9044	2	PLATE	
	11	1	9W-8081	1	PLATE AS-RH	
		1	1F-0750	3	NUT-WELD (3/8-16 THD)	
	12	1	7T-7213	2	PLATE	
	13	1	7T-7214	2	PLATE	
	14	1	9W-8083	1	PLATE AS	
		1	1F-0750	3	NUT-WELD (3/8-16 THD)	
	15	1	9W-5290	2	PLATE AS	
	16	1	9W-6986	1	PLATE AS	
		1	1F-0750	6	NUT-WELD (3/8-16 THD)	
	17	1	9W-6987	1	PLATE AS	
		1	1F-0750	6	NUT-WELD (3/8-16 THD)	
	18	1	9W-8940	2	PLATE	
	19	1	8Y-4000	2	LATCH AS (T-BAR/COMPARTMENT) (EACH INCLUDES)	
		1	6H-3956	1	PIN	
		1	7X-0766	1	SPRING-LATCH	
		1	8Y-3966	1	WASHER (14.7X35X1.57MM THK)	
		1	8Y-3998	1	HANDLE-LATCH	
		1	8Y-3999	1	BRACKET-MOUNTING	
		1	8Y-8306	1	SHAFT-LATCH	
20	1	127 - 1059	1	ANGLE AS-RH		
		1	1F-0750	2	NUT-WELD (3/8-16 THD)	
21	1	9W-8084	2	PLATE		
22	1	1H-3337	2	BOLT (1/4-20X0.875 IN)		
23	1	2D-6235	2	LOCKNUT (1/4-20 THD)		
24	1	5M-3062	32	BOLT (3/8-16X0.75 IN)		
25	1	5P-1075	28	WASHER-HARD (10.2X22.5X3MM THK)		
26	1	5S-7382	4	BOLT (3/8-16X1.375 IN)		
27	1	8T-4896	12	WASHER-HARD (10.2X18.5X2.5MM THK)		
28	1	8T-2561	4	WASHER-HARD (10.5X28.5X5MM THK)		
29	1	8T-9377	4	BOLT (3/8-16X2.25 IN)		
B	30	1	8T-4123	4	WASHER-PLATED (22X35X3.5MM THK)	
BD	31	1	5P-7483	1	SEAL	
	32	1	8T-9496	4	LOCKNUT (9/16-18 THD)	
	33	1	6V-1193	12	SCREW-HEX SOCKET (3/8-16X.625 IN)	
	34	1	2K-4973	4	LOCKNUT (3/8-16 THD)	

# FRAME AND BODY

**108-1722 ENCLOSURE GP-ENGINE (contd.)**

**i01657374**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE
					1 2 3 4 5 6		
35	1		<b>4L-6454</b>	4	BOLT (3/8-16X1 IN)		
36	1		<b>5P-8502</b>	2	PADLOCK GP		
					(EACH INCLUDES)		
A	1		<b>5P-8500</b>	1	KEY		
A	1		<b>8Y-6364</b>	1	SLEEVE		
37	1		<b>209-5547</b>	1	SHIELD AS		
38	1		<b>114-0401</b>	1	PLATE AS-LH		
	1		<b>7G-4928</b>	2	SPACER		
39	1		<b>3V-9399</b>	2	ROD AS		
					(EACH INCLUDES)		
	1		<b>4B-4278</b>	2	WASHER (10.2X20.5X1.6MM THK)		
40	1		<b>4M-7470</b>	2	GROMMET		
41	1		<b>3B-4605</b>	2	PIN-COTTER		
42	1		<b>4B-4278</b>	2	WASHER (10.2X20.5X1.6MM THK)		
43	1		<b>119-6642</b>	1	PLATE AS-RH		
	1		<b>1F-0750</b>	7	NUT-WELD (3/8-16 THD)		
	1		<b>6P-2215</b>	9	PIN-WELD (1.25MM)		
	1		<b>6Y-9625</b>	5	PIN-WELD (57.15MM)		
44	1		<b>119-6643</b>	1	PLATE AS-LH		
	1		<b>1F-0750</b>	11	NUT-WELD (3/8-16 THD)		
	1		<b>6K-2198</b>	1	BOSS		
	1		<b>6Y-9625</b>	7	PIN-WELD (57.15MM)		
45	1		<b>127-2269</b>	1	ANGLE AS-LH		
	1		<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)		
46	1		<b>4H-2558</b>	2	GROMMET (RH)		
47	1		<b>120-6459</b>	1	PLATE AS (LH)		
	1		<b>6P-2215</b>	6	PIN-WELD (1.25MM)		
48	1		<b>121-2829</b>	1	DOOR AS-LH		
	1		<b>1F-0750</b>	6	NUT-WELD (3/8-16 THD)		
	1		<b>3G-9190</b>	1	PLATE		
	1		<b>6P-9116</b>	2	SPACER		
	1		<b>6Y-9625</b>	10	PIN-WELD (57.15MM)		

A-NOT PART OF THIS GROUP

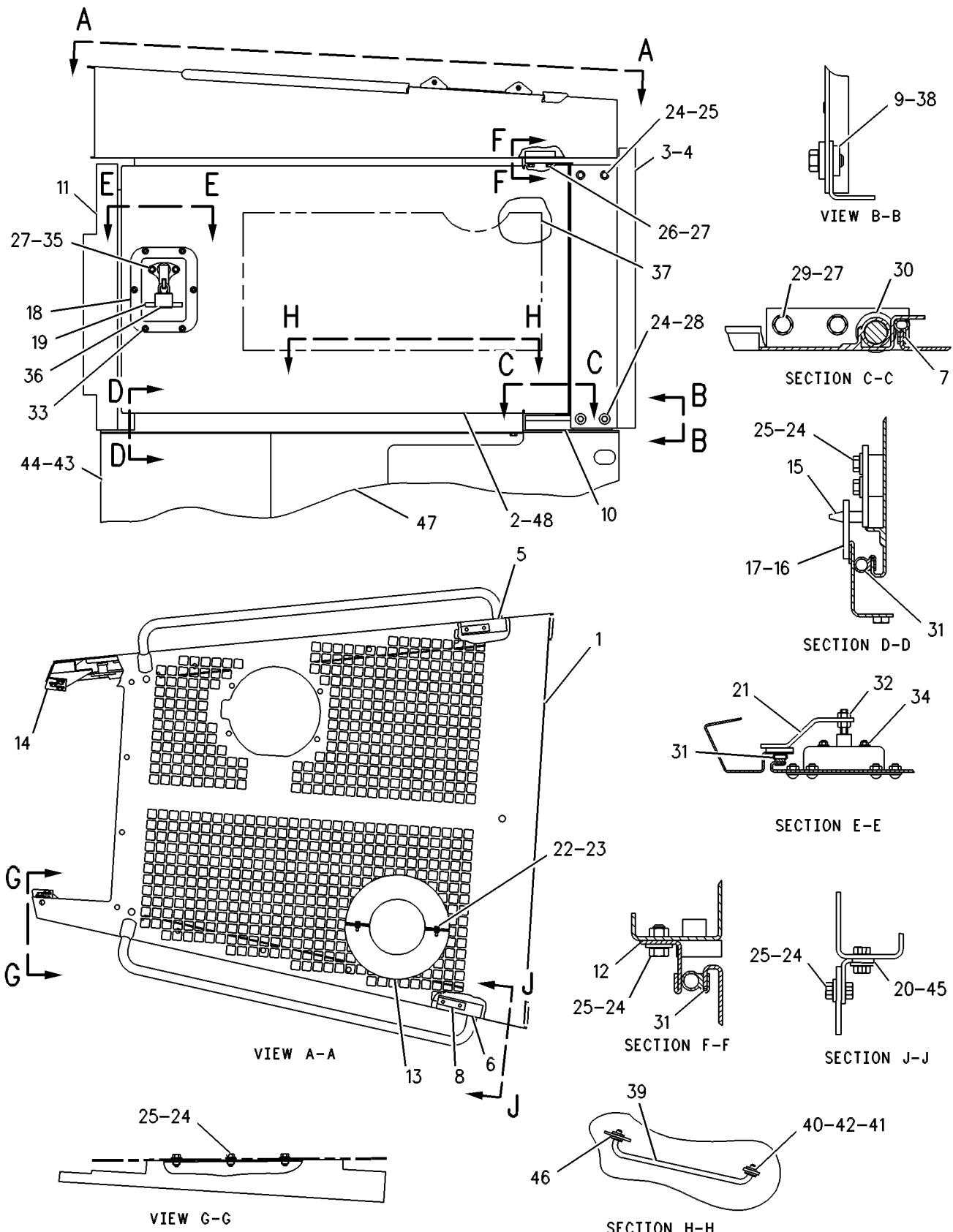
B-USE AS REQUIRED

D-ORDER BY THE METER

# FRAME AND BODY

108-1722 ENCLOSURE GP-ENGINE (contd.)

i01657374



# FRAME AND BODY

## 113-2538 ENCLOSURE GP-ENGINE

S/N: 9EM1-5139

AN ATTACHMENT

SMCS-7263

i01476370

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	127-2269	1	ANGLE AS-LH	
		1	127-1059	1	ANGLE AS-RH	
2	1		6T-9509	2	HINGE AS-RH	
3	1		124-0236	1	HOOD AS	
	1		1F-0748	7	NUT-WELD (1/2-13 THD)	
	1		1F-0750	24	NUT-WELD (3/8-16 THD)	
	1		3J-5169	1	NUT (5/8-11 THD)	
4	1		126-1074	2	HANDHOLD	
5	1		2D-6235	2	LOCKNUT	
6	1		7C-1188	1	SHIELD	
7	1		6T-9510	2	HINGE AS-LH	
D	8	1	5P-7211		SEAL (1.4M)	
	9	1	7T-8201	2	BLOCK	
10	1		127-1056	1	PLATE AS-LH	
	1		127-1054	1	PLATE AS-RH	
11	1		5M-3062	32	BOLT (3/8-16X0.75 IN)	
12	1		5P-1075	28	WASHER-HARD (10.2X22.5X3MM THK)	
13	1		114-0399	1	PLATE AS-RH	
	1		7G-4928	2	SPACER	
14	1		8T-4896	12	WASHER-HARD (10.2X18.5X2.5MM THK)	
15	1		5S-7382	4	BOLT (3/8-16X1.375 IN)	
16	1		8T-2561	4	WASHER-HARD (10.5X28.5X5MM THK)	
17	1		8T-9377	4	BOLT (3/8-16X2.25 IN)	
18	1		7T-7208	2	DOOR AS	
					(EACH INCLUDES)	
	1		1F-0750	6	NUT-WELD (3/8-16 THD)	
	1		3G-9190	2	PLATE	
	1		6P-9116	2	SPACER	
B	19	1	8T-4123	4	WASHER-PLATED (22X35X3.5MM THK)	
D	20	1	5P-7483		SEAL (5.5M)	
	21	1	9W-8084	2	PLATE	
	22	1	8T-9496	4	LOCKNUT	
	23	1	9W-9044	2	PLATE	
	24	1	9W-8081	1	PLATE AS-RH	
	1		1F-0750	3	NUT-WELD (3/8-16 THD)	
25	1		7T-7213	2	PLATE	
26	1		7T-7214	2	PLATE	
27	1		9W-8083	1	PLATE AS	
	1		1F-0750	3	NUT-WELD (3/8-16 THD)	
28	1		9W-5290	2	PLATE AS	
29	1		9W-6986	1	PLATE AS	
	1		1F-0750	6	NUT-WELD (3/8-16 THD)	
30	1		9W-6987	1	PLATE AS	
	1		1F-0750	6	NUT-WELD (3/8-16 THD)	
31	1		9W-8940	2	PLATE	
32	1		8Y-4000	2	LATCH AS (T-BAR/COMPARTMENT)	
					(EACH INCLUDES)	
	1		6H-3956	1	PIN	
	1		7X-0766	1	SPRING-LATCH	
	1		8Y-3966	1	WASHER (14.7X35X1.57MM THK)	
	1		8Y-3998	1	HANDLE-LATCH	
	1		8Y-3999	1	BRACKET-MOUNTING	
	1		8Y-8306	1	SHAFT-LATCH	
33	1		6V-1193	12	SCREW-HEX SOCKET (3/8-16X.625 IN)	
34	1		2K-4973	4	LOCKNUT	
35	1		4L-6454	4	BOLT (3/8-16X1 IN)	

# FRAME AND BODY

**113-2538 ENCLOSURE GP-ENGINE (contd.)**

**i01476370**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE
					1 2 3 4 5 6		
36	1		<b>4H-2558</b>	2	GROMMET		
37	1		<b>114-0401</b>	1	PLATE AS-LH		
	1		<b>7G-4928</b>	2	SPACER		
38	1		<b>3V-9399</b>	2	ROD AS (EACH INCLUDES)		
	1		<b>4B-4278</b>	2	WASHER (10.2X20.5X1.6MM THK)		
39	1		<b>4M-7470</b>	2	GROMMET		
40	1		<b>5P-8502</b>	2	PADLOCK GP (EACH INCLUDES)		
A	1		<b>5P-8500</b>	1	KEY		
A	1		<b>8Y-6364</b>	1	SLEEVE		
41	1		<b>3B-4605</b>	2	COTTER		
42	1		<b>4B-4278</b>	1	WASHER (10.2X20.5X1.6MM THK)		
43	1		<b>1H-3337</b>	2	BOLT (1/4-20X0.875 IN)		

A-NOT PART OF THIS GROUP

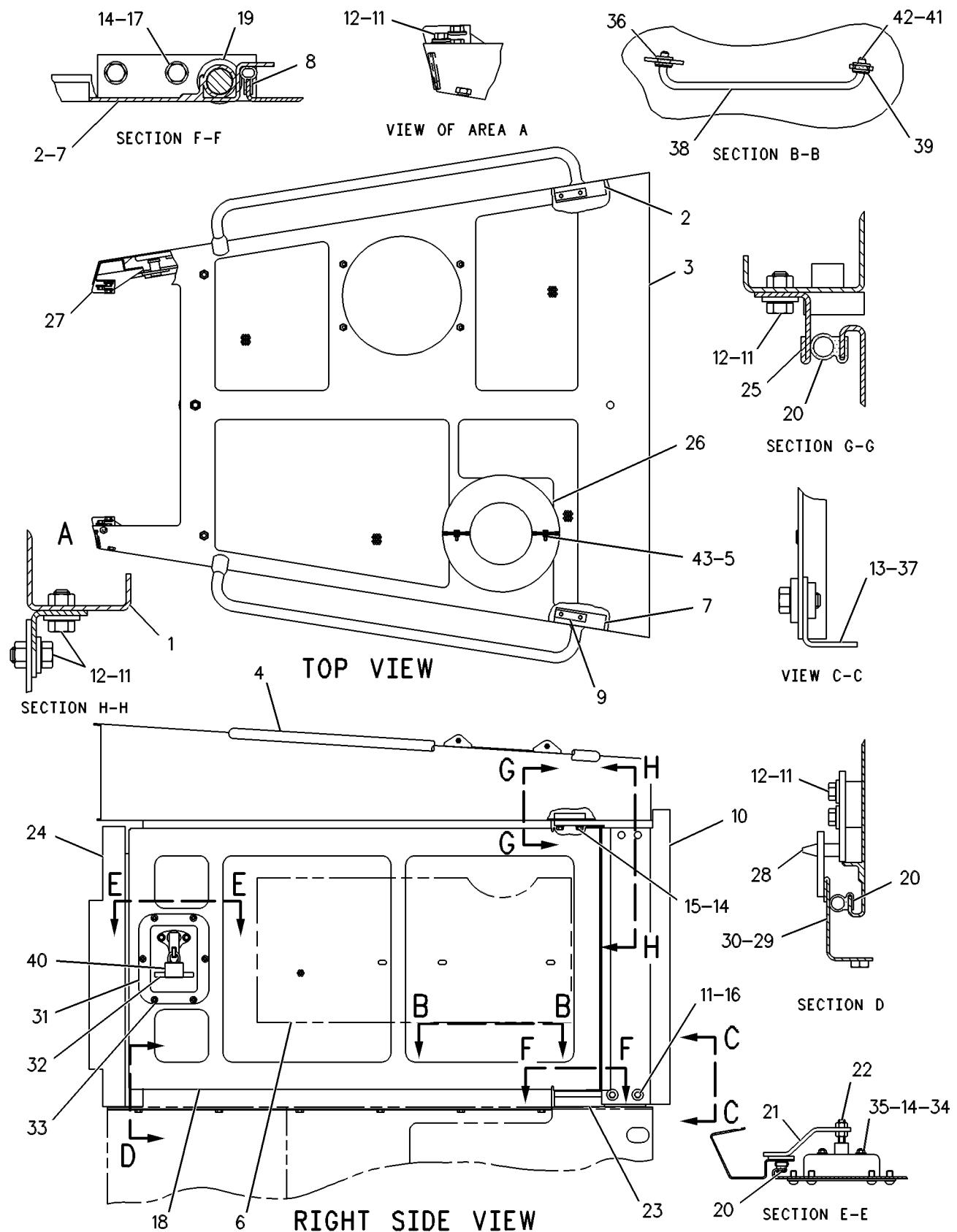
B-USE AS REQUIRED

D-ORDER BY THE METER

# FRAME AND BODY

113-2538 ENCLOSURE GP-ENGINE (contd.)

i01476370



# FRAME AND BODY

## 113-2538 ENCLOSURE GP-ENGINE

S/N: 9EM5140-UP

AN ATTACHMENT

SMCS-7263

i01615536

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	127-2269	1	ANGLE AS-LH	
		1	127-1059	1	ANGLE AS-RH	
2	1		6T-9509	2	HINGE AS	
3	1		124-0236	1	HOOD AS	
	1		1F-0748	7	NUT-WELD (1/2-13 THD)	
	1		1F-0750	24	NUT-WELD (3/8-16 THD)	
	1		3J-5169	1	NUT (5/8-11 THD)	
4	1		126-1074	2	HANDHOLD	
5	1		2D-6235	2	LOCKNUT (1/4-20 THD)	
C	6	1	200-1913	1	SHIELD	
	7	1	6T-9510	2	HINGE AS	
D	8	1	5P-7211		SEAL (1.4M)	
	9	1	7T-8201	2	BLOCK	
10	1		127-1056	1	PLATE AS-LH	
	1		127-1054	1	PLATE AS-RH	
11	1		5M-3062	32	BOLT (3/8-16X0.75 IN)	
12	1		5P-1075	28	WASHER-HARD (10.2X22.5X3MM THK)	
13	1		114-0399	1	PLATE AS-RH	
	1		7G-4928	2	SPACER	
14	1		8T-4896	12	WASHER-HARD (10.2X18.5X2.5MM THK)	
15	1		5S-7382	4	BOLT (3/8-16X1.375 IN)	
16	1		8T-2561	4	WASHER-HARD (10.5X28.5X5MM THK)	
17	1		8T-9377	4	BOLT (3/8-16X2.25 IN)	
18	1		7T-7208	2	DOOR AS	
					(EACH INCLUDES)	
	1		1F-0750	6	NUT-WELD (3/8-16 THD)	
	1		3G-9190	2	PLATE	
	1		6P-9116	2	SPACER	
B	19	1	8T-4123	4	WASHER-PLATED (22X35X3.5MM THK)	
D	20	1	5P-7483		SEAL (5.5M)	
	21	1	9W-8084	2	PLATE	
	22	1	8T-9496	4	LOCKNUT (9/16-18 THD)	
	23	1	9W-9044	2	PLATE	
	24	1	9W-8081	1	PLATE AS-RH	
	1		1F-0750	3	NUT-WELD (3/8-16 THD)	
25	1		7T-7213	2	PLATE	
26	1		7T-7214	2	PLATE	
27	1		9W-8083	1	PLATE AS	
	1		1F-0750	3	NUT-WELD (3/8-16 THD)	
28	1		9W-5290	2	PLATE AS	
29	1		9W-6986	1	PLATE AS	
	1		1F-0750	6	NUT-WELD (3/8-16 THD)	
30	1		9W-6987	1	PLATE AS	
	1		1F-0750	6	NUT-WELD (3/8-16 THD)	
31	1		9W-8940	2	PLATE	
32	1		8Y-4000	2	LATCH AS (T-BAR/COMPARTMENT)	
					(EACH INCLUDES)	
	1		6H-3956	1	PIN	
	1		7X-0766	1	SPRING-LATCH	
	1		8Y-3966	1	WASHER (14.7X35X1.57MM THK)	
	1		8Y-3998	1	HANDLE-LATCH	
	1		8Y-3999	1	BRACKET-MOUNTING	
	1		8Y-8306	1	SHAFT-LATCH	
33	1		6V-1193	12	SCREW-HEX SOCKET (3/8-16X.625 IN)	
34	1		2K-4973	4	LOCKNUT (3/8-16 THD)	
35	1		4L-6454	4	BOLT (3/8-16X1 IN)	

# FRAME AND BODY

**113-2538 ENCLOSURE GP-ENGINE (contd.)**

**i01615536**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE
					1 2 3 4 5 6		
36	1		<b>4H-2558</b>	2	GROMMET		
37	1		<b>114-0401</b>	1	PLATE AS-LH		
	1		<b>7G-4928</b>	2	SPACER		
38	1		<b>3V-9399</b>	2	ROD AS (EACH INCLUDES)		
	1		<b>4B-4278</b>	2	WASHER (10.2X20.5X1.6MM THK)		
39	1		<b>4M-7470</b>	2	GROMMET		
40	1		<b>5P-8502</b>	2	PADLOCK GP (EACH INCLUDES)		
A	1		<b>5P-8500</b>	1	KEY		
A	1		<b>8Y-6364</b>	1	SLEEVE		
41	1		<b>3B-4605</b>	2	PIN-COTTER		
42	1		<b>4B-4278</b>	1	WASHER (10.2X20.5X1.6MM THK)		
43	1		<b>1H-3337</b>	2	BOLT (1/4-20X0.875 IN)		

A-NOT PART OF THIS GROUP

B-USE AS REQUIRED

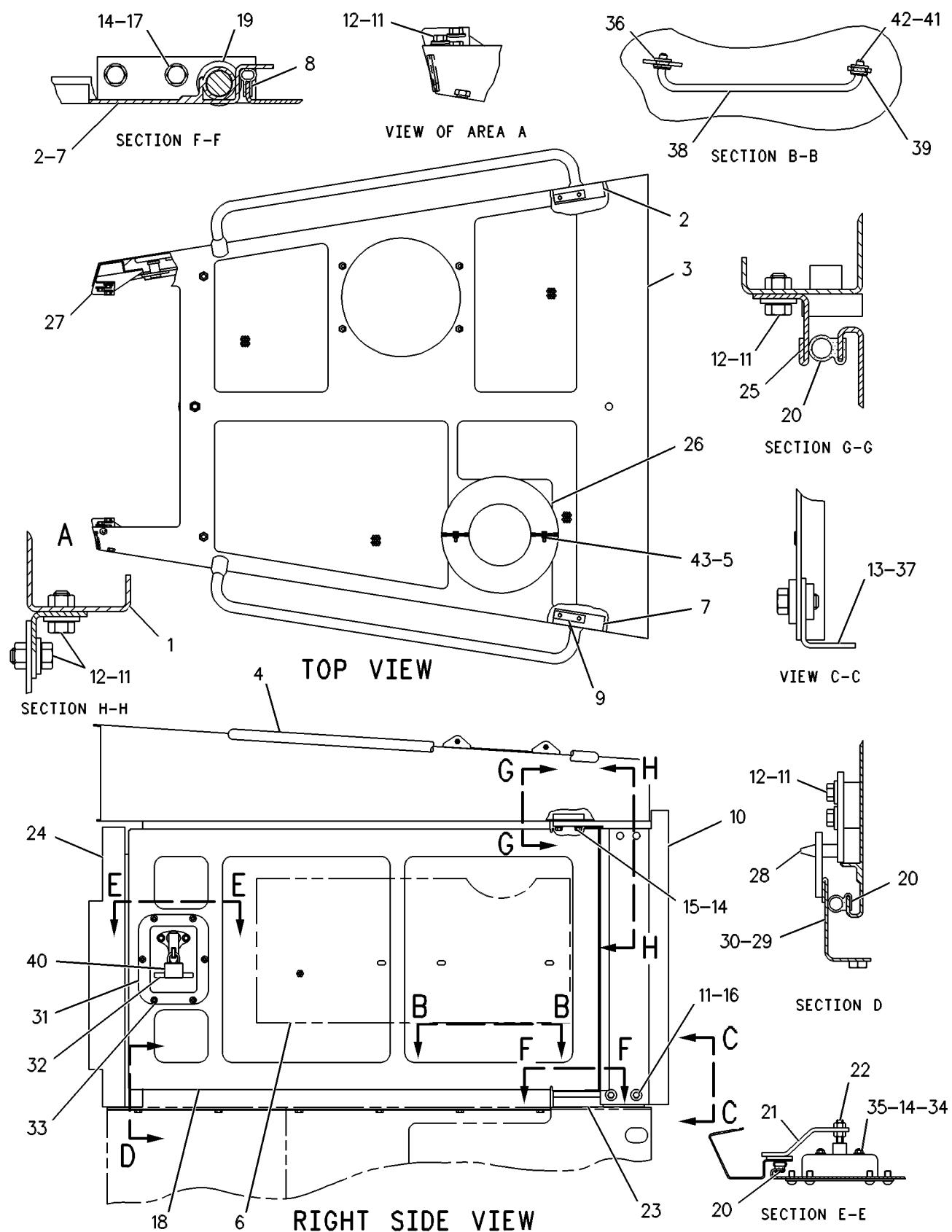
C-CHANGE FROM PREVIOUS TYPE

D-ORDER BY THE METER

## FRAME AND BODY

**113-2538 ENCLOSURE GP-ENGINE (contd.)**

i01615536



## GRAPHIC #1

g00257182

# FRAME AND BODY

## 6Y-3514 ENCLOSURE GP - HYDRAULIC TANK

S/N: 9EM1-UP

**SMCS-5056**

**i01136374**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
C	1	1	<b>104-9284</b>	1	PLATE AS							
		1	<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)							
2	1		<b>9B-2052</b>	1	HINGE							
3	1		<b>4K-8501</b>	2	CLIP							
4	1		<b>7G-9913</b>	1	DOOR							
C	5	1	<b>104-9285</b>	2	COVER AS							
		1	<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)							
C	6	1	<b>104-9286</b>	1	PLATE AS							
		1	<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)							
		1	<b>9B-2923</b>	2	HINGE							
7	1		<b>5P-1075</b>	18	WASHER-HARD (3MM THK)							
8	1		<b>1K-8850</b>	1	SPRING							
9	1		<b>5P-8502</b>	1	PADLOCK GP							
A	1		<b>8Y-6364</b>	1	SLEEVE							
A	1		<b>5P-8500</b>	2	KEY							
C	10	1	<b>5S-7379</b>	18	BOLT (3/8-16X.875IN)							
	11	1	<b>8E-8566</b>	2	BRACKET AS							
					(EACH INCLUDES)							
B	1		<b>9F-2978</b>		NUT-WELD (3/8-16 THD)							

A-NOT PART OF THIS GROUP

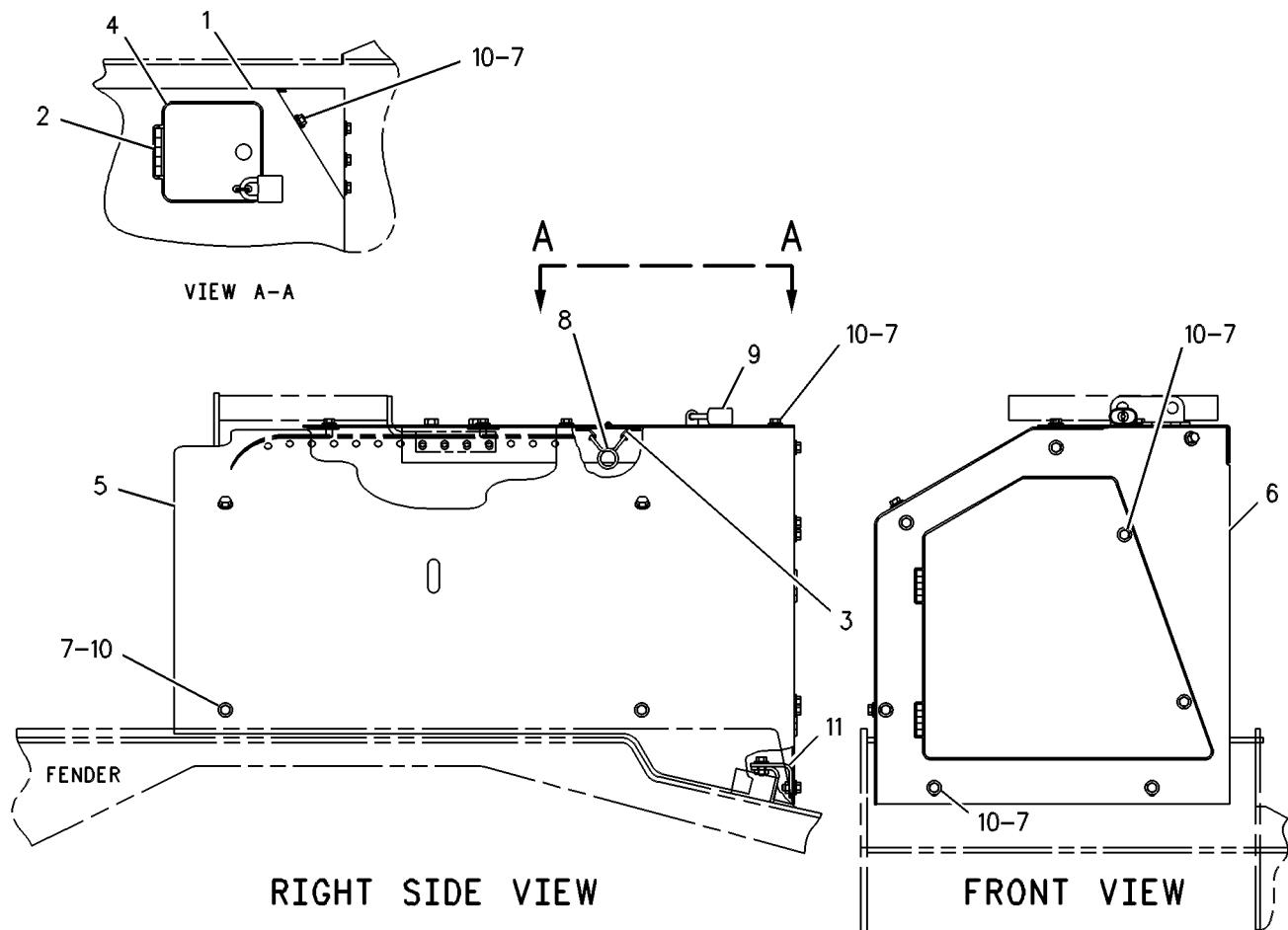
B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

# FRAME AND BODY

6Y-3514 ENCLOSURE GP-HYDRAULIC TANK (*contd.*)

i01136374



GRAPHIC #1

g00256982

# FRAME AND BODY

## 9N-4205 FENDER GP

S/N: 9EM1-UP

SMCS-7252

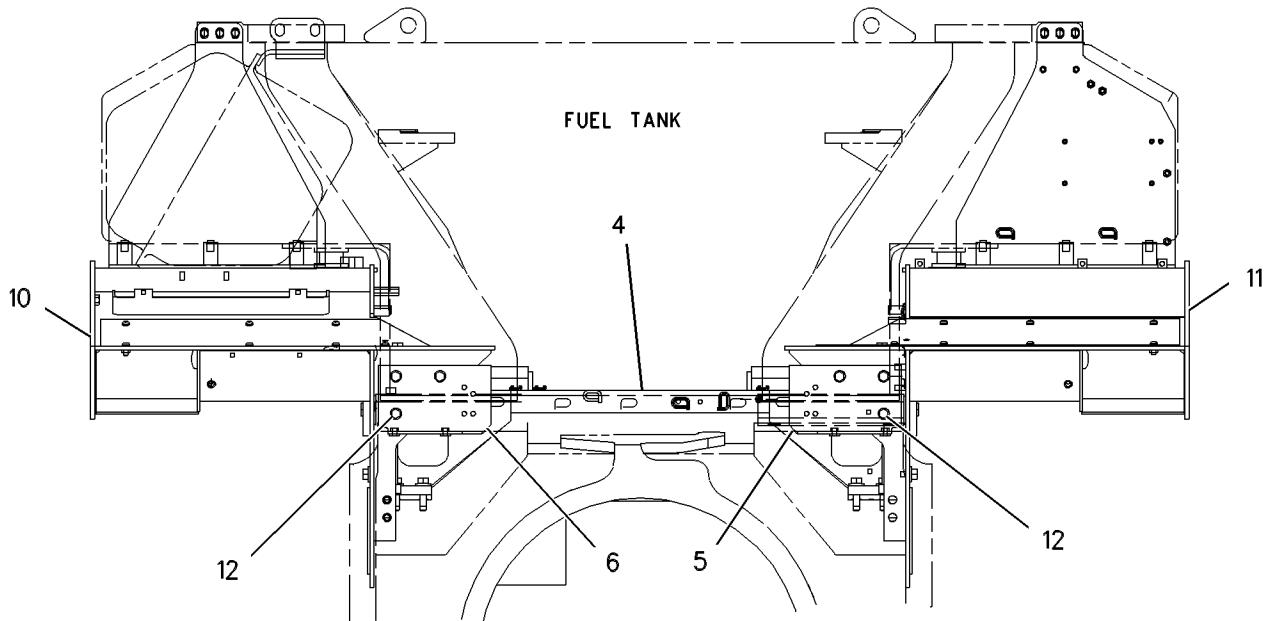
i00850825

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		5P-1075	10	WASHER-HARD (3MM THK) (3 MM THK)							
2	1		8E-8422	1	COVER AS							
3	1		7X-0346	8	BOLT (5/8-11X2IN)							
4	1		6Y-4089	1	SUPPORT AS							
	1		9F-2978	2	NUT-WELD (3/8-16 THD)							
	1		1F-0748	6	NUT-WELD (1/2-13 THD)							
	1		7T-1099	9	LINK							
5	1		6Y-8442	1	PLATE AS-LH							
6	1		6Y-8444	1	PLATE AS-RH							
7	1		7X-0349	14	BOLT (5/8-11X3IN)							
8	1		7X-0515	22	WASHER (5MM THK)							
9	1		7X-0582	8	WASHER-HARD (6MM THK)							
	1		8C-6857	8	BOLT (3/4-10X2.75IN)							
10	1		9N-4206	1	FENDER AS-RH							
	1		3G-2415	2	BOSS							
	1		5M-4514	1	PIPE							
	1		7T-1099	3	LINK							
	1		8F-9836	4	LUG (3/8-16 THD)							
	1		9F-2978	4	NUT-WELD (3/8-16 THD)							
	1		8T-5911	8	NUT-WELD (1/2-13-2B THD) (23.5 MM O.D.)							
	1		8T-5912	16	NUT-WELD (3/8-16 THD) (19.2 MM O.D.)							
11	1		9N-4207	1	FENDER AS-LH							
	1		5H-9394	2	BOSS (1/2-13 THD)							
	1		5M-4514	1	PIPE							
	1		7T-1099	3	LINK							
	1		8T-5911	6	NUT-WELD (1/2-13-2B THD) (23.5 MM OD)							
	1		8T-5912	25	NUT-WELD (3/8-16 THD) (19.2 MM OD)							
12	1		8C-4436	6	BOLT (1/2-13X1.375IN)							
	1		8T-4223	6	WASHER-HARD (3MM THK)							
13	1		6Y-8557	2	DOOR							
14	1		4L-6454	10	BOLT (3/8-16X1.0IN)							
15	2		9W-9122	1	PLATE-RH							
16	2		8T-9393	10	BOLT (5/8-11X1.50IN)							
17	2		6Y-3969	1	PLATE AS							
	2		9F-2978	6	NUT-WELD (3/8-16 THD)							
	2		9F-6445	5	NUT (1/4-20 THD)							
	2		7T-1099	2	LINK							
18	2		6J-0488	18	SCREW-HEAD (3/8-16X.875IN)							
19	2		9W-9123	1	PLATE-LH							
20	2		8T-4122	4	WASHER (3.5MM THK) (21 MM OD)							
21	2		7X-0513	6	WASHER-HARD (5.0MM THK)							
22	2		104-9316	1	PLATE AS-RH							

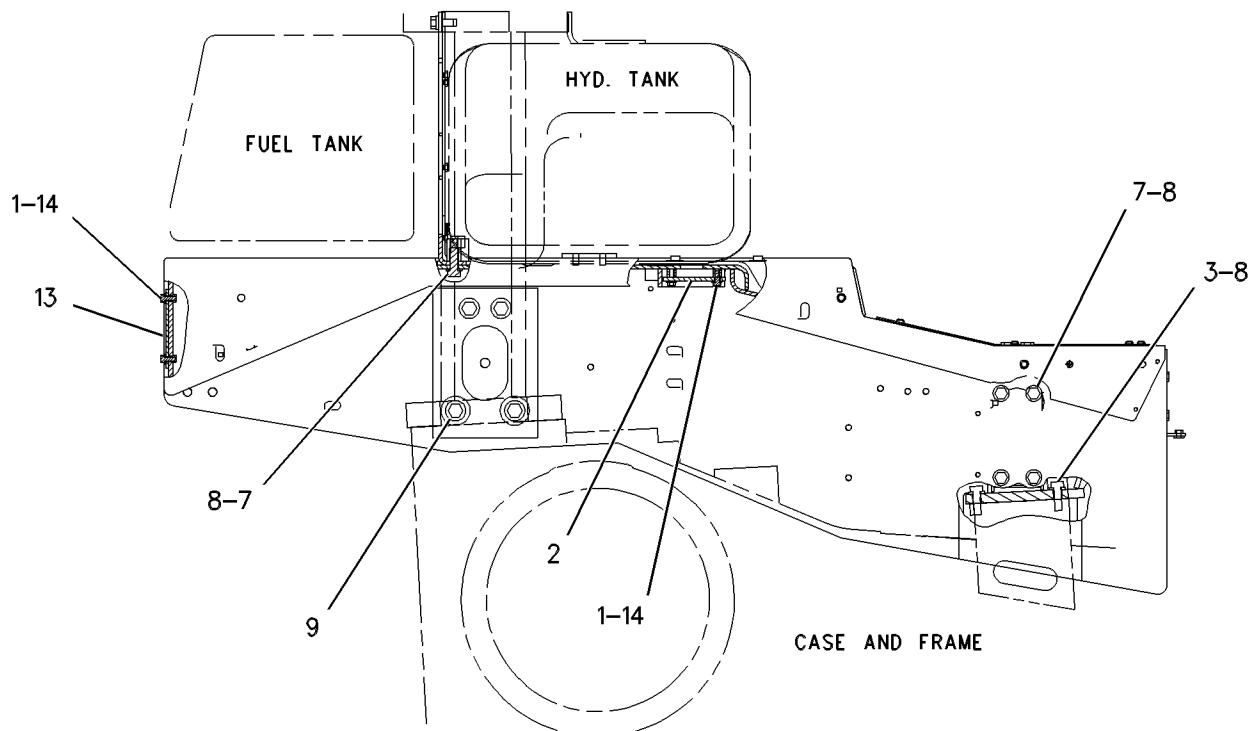
# FRAME AND BODY

9N-4205 FENDER GP (contd.)

i00850825



FRONT VIEW



RIGHT SIDE VIEW

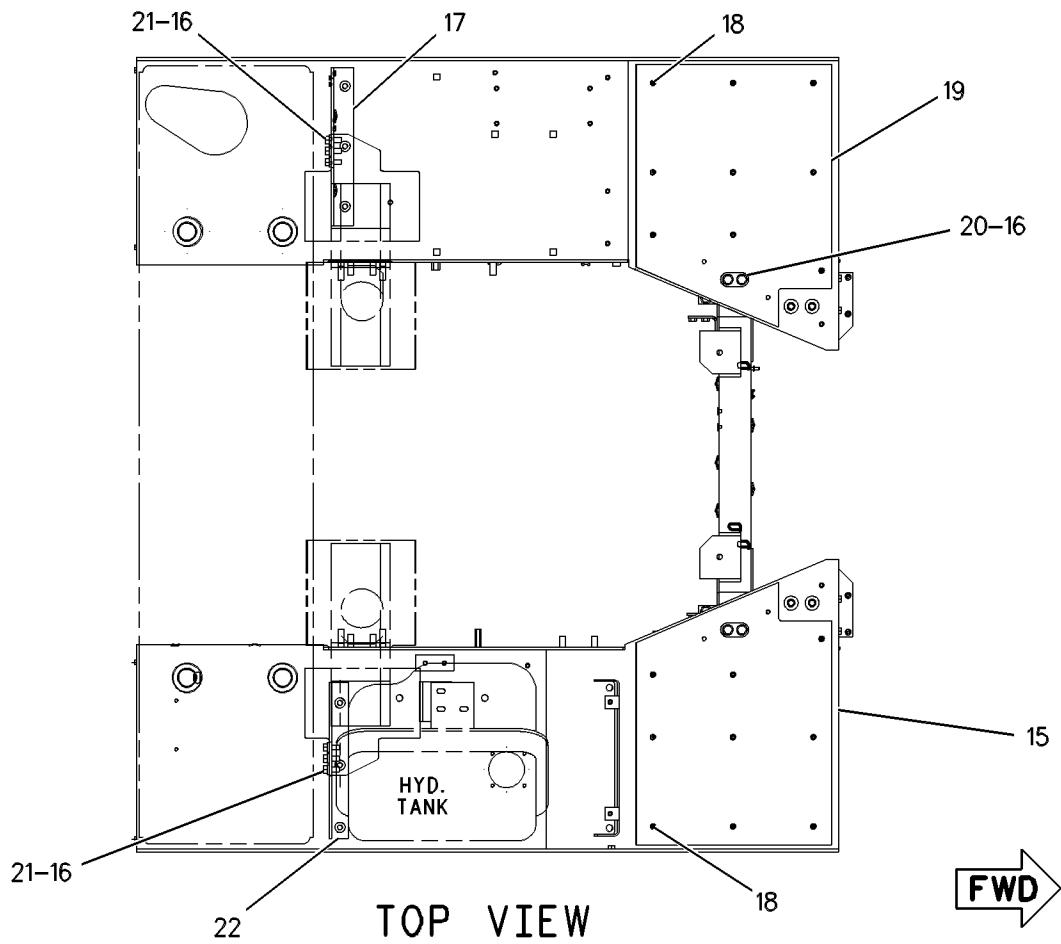
GRAPHIC #1

g00404578

# FRAME AND BODY

9N-4205 FENDER GP (*contd.*)

i00850825



GRAPHIC #2

g00404579

# FRAME AND BODY

## 129-2014 FRAME AS-FRONT

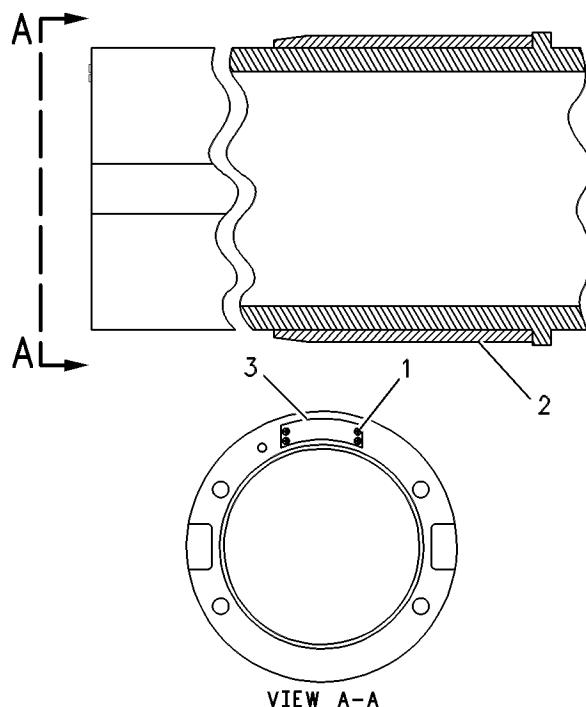
S/N: 9EM1-299

PART OF 116-1301 WASTE HANDLING AR  
AN ATTACHMENT

SMCS-7051

i01230780

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		4B-4158	4	SCREW-DRIVE						
2	1		9W-0709	1	BEARING-SLEEVE						
3	1		6V-2226	1	PLATE-WARNING (RECOIL SPRING)						



GRAPHIC #1

g00261230

# FRAME AND BODY

## 176-6763 FRAME AS-FRONT

S/N: 9EM300-1212

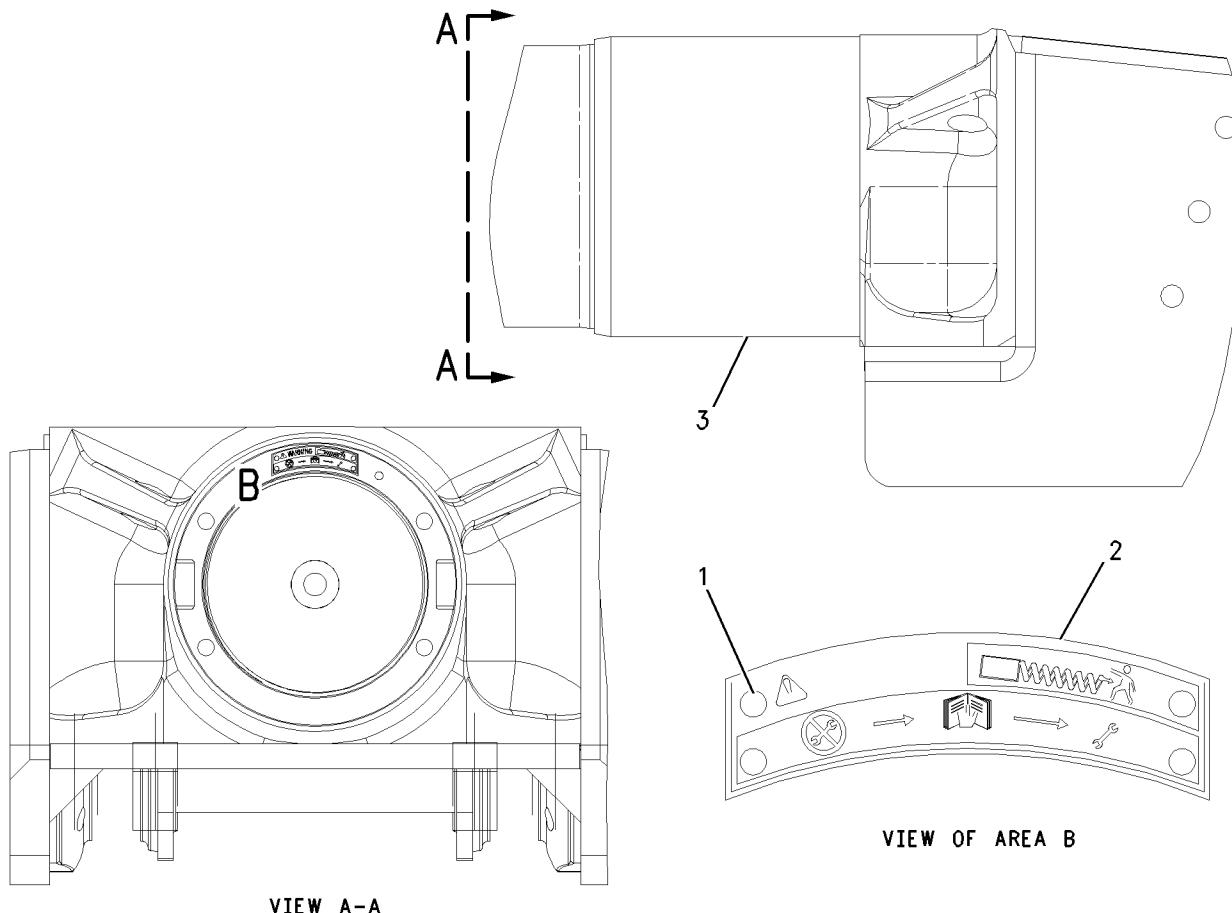
LANDFILL-NON ITA

PART OF 116-1301 WASTE HANDLING AR  
AN ATTACHMENT

SMCS-7051

i01434421

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		4B-4158	4	SCREW-DRIVE (3/16X0.25 IN)						
2	1		6V-2226	1	PLATE-WARNING (RECOIL SPRING)						
3	1		154-9838	1	SLEEVE						



GRAPHIC #1

g00690683

# FRAME AND BODY

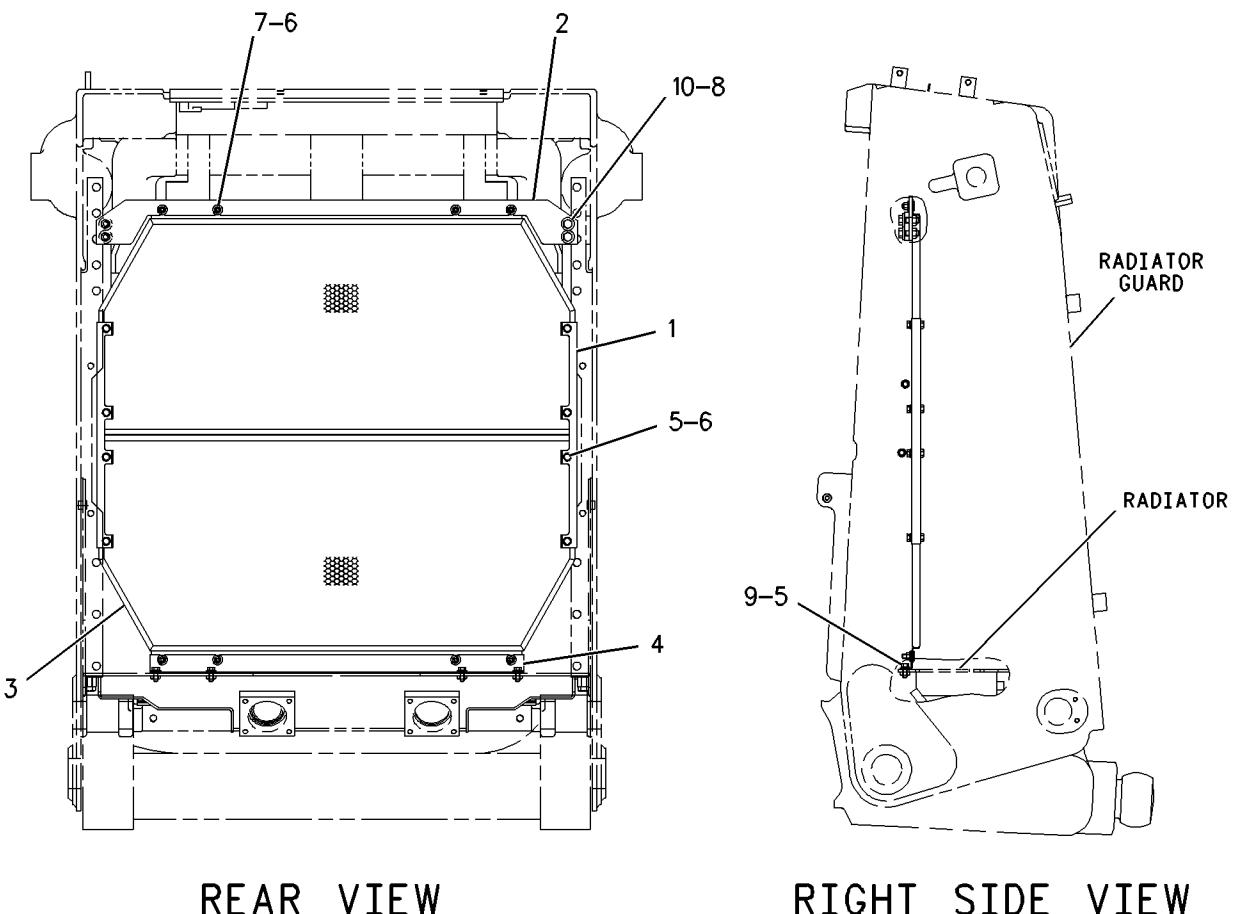
## 115-9589 GRID GP - SAND BLAST ERODING

S/N: 9EM1-UP  
AN ATTACHMENT

SMCS-7179

i01253279

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		137-4940	2	PLATE						
2	1		115-9354	1	BRACKET AS						
	1		1F-0748	4	NUT-WELD (1/2-13 THD)						
3	1		143-1265	2	GRID AS-SAND BLAST						
4	1		113-6362	1	BRACKET						
5	1		4L-6454	12	BOLT (3/8-16X1 IN)						
6	1		5P-1075	16	WASHER-HARD (10.2X22.5X3MM THK)						
7	1		6V-8801	8	NUT (3/8-16 THD)						
8	1		5P-1076	4	WASHER-HARD (13.5X30X4MM THK)						
9	1		8T-4896	4	WASHER-HARD (10.2X18.5X2.5MM THK)						
10	1		5P-2566	4	BOLT (1/2-13X1.5 IN)						



GRAPHIC #1

g00773459

# FRAME AND BODY

## 118-7442 GRILL GP-RADIATOR

S/N: 9EM1-UP

PART OF 119-4333 WASTE HANDLING AR  
AN ATTACHMENT

**SMCS-7170**

**i01223754**

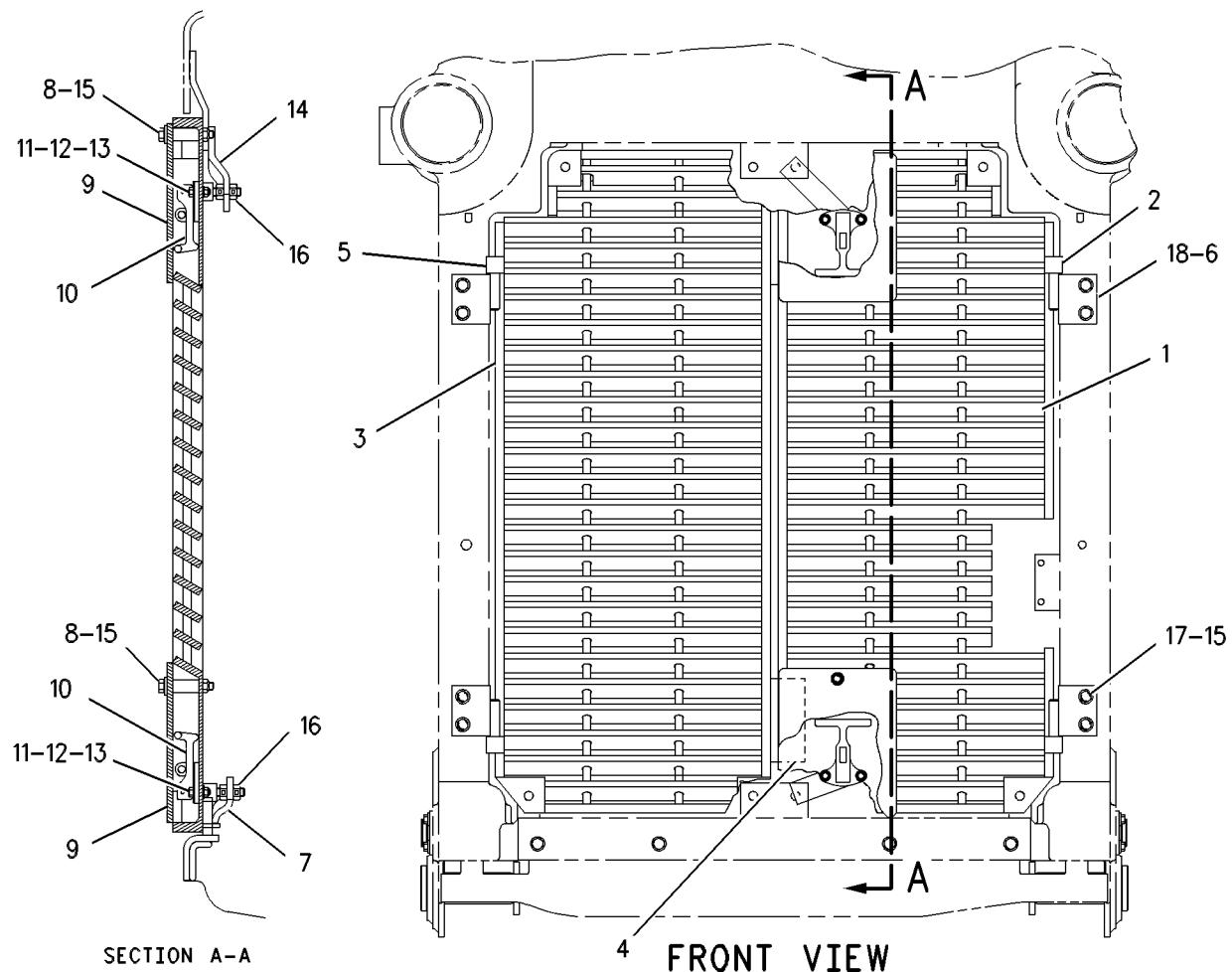
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		<b>120-6538</b>	1	GRILL AS-LH							
2	1		<b>068-5893</b>	2	SPACER							
3	1		<b>120-6539</b>	1	GRILL AS-RH							
4	1		<b>2G-6741</b>	2	PLATE							
5	1		<b>068-5893</b>	2	SPACER							
B	6	1	<b>1Q-3677</b>	12	SHIM (3MM THK)							
	7	1	<b>133-5615</b>	1	PAWL-BOTTOM							
	8	1	<b>8T-8920</b>	2	BOLT (1/2-13X3.25IN)							
	9	1	<b>1Z-9455</b>	2	PLATE							
	10	1	<b>8Y-4000</b>	2	LATCH AS (T-BAR/COMPARTMENT) (EACH INCLUDES)							
		1	<b>6H-3956</b>	1	PIN							
		1	<b>7X-0766</b>	1	SPRING-LATCH							
		1	<b>8Y-3966</b>	1	WASHER (1.57MM THK)							
		1	<b>8Y-3998</b>	1	HANDLE-LATCH							
		1	<b>8Y-3999</b>	1	BRACKET-MOUNTING							
		1	<b>8Y-8306</b>	1	SHAFT-LATCH							
	11	1	<b>8T-2502</b>	4	BOLT (3/8-16X1.125IN)							
	12	1	<b>8T-4896</b>	4	WASHER-HARD (2.5MM THK)							
	13	1	<b>2K-4973</b>	4	LOCKNUT (3/8-16 THD)							
	14	1	<b>133-5616</b>	1	PAWL-TOP							
	15	1	<b>8T-4223</b>	10	WASHER-HARD (3MM THK)							
	16	1	<b>8T-9496</b>	4	LOCKNUT (9/16-18 THD)							
	17	1	<b>5P-2566</b>	8	BOLT (1/2-13X1.50 IN)							
	18	1	<b>109-3874</b>	4	HINGE AS							

B-USE AS REQUIRED

# FRAME AND BODY

118-7442 GRILL GP-RADIATOR (*contd.*)

i01223754



GRAPHIC #1

g00512729

# FRAME AND BODY

## 187-4658 GUARD AR

S/N: 9EM1-UP

FOR USE WITH 8E-3039-PAGE 758  
AN ATTACHMENT

SMCS-7150

i01541253

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)						SEE PAGE
			1	2	3	4	5	6		
I	187-4421	2	HOSE AS							
I	187-4422	2	HOSE AS							
I	187-4423	2	HOSE AS							

I - SEE HOSE FABRICATION GUIDE

# FRAME AND BODY

## 130 - 1935 GUARD AR-BOTTOM

S/N: 9EM1-UP

AN ATTACHMENT

**SMCS-7051, 7153**

**i01480957**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6	
Y	1	2	130-1934	1	CASE & FRAME GP	546
	2	2	<b>163-5745</b>	1	GUARD AS	
		2	<b>112-1500</b>	1	PLATE AS	
3	2		<b>163-5744</b>	1	GUARD AS	
		2	<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)	
4	2		<b>9W-1085</b>	1	GUARD AS	
		2	<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)	
		2	<b>3T-9310</b>	1	PLATE	
5	2,3		<b>9B-7237</b>	3	BOLT (3/8-16X1.25 IN)	
6	2		<b>7G-6495</b>	1	COVER	
7	2		<b>7X-0365</b>	6	BOLT (3/4-10X1.5 IN)	
8	1,2		<b>7X-0582</b>	20	WASHER-HARD (20X44.5X6MM THK)	
9	1		<b>3T-2747</b>	14	RETAINER	
10	1		<b>7X-0375</b>	12	BOLT (3/4-10X5 IN)	
11	1		<b>6V-8182</b>	14	NUT (3/4-10 THD)	
12	1		<b>8C-8842</b>	2	BOLT (3/4-10X4 IN)	
Y	13	1	<b>102-6331</b>	2	ACTUATOR GP-POWER	536
	14	1	<b>7X-0326</b>	4	BOLT (1/2-13X3 IN)	
	15	1	<b>1K-6872</b>	4	LOCKNUT (1/2-13 THD)	
	16	1,3	<b>7K-1181</b>	7	STRAP-CABLE	
	17	1	<b>4P-7581</b>	1	CLIP	
	18	1	<b>112-8110</b>	1	HARNESS AS	
		1	<b>102-8807</b>	1	KIT-CONNECTING PLUG (2 PIN) (INCLUDES PLUG AS, WEDGE & SEAL-INTERFACE)	
		1	<b>102-8805</b>	1	KIT-RECEPTACLE (6 PIN) (INCLUDES RECEPTACLE AS & WEDGE)	
Y	19	1	112-8117	1	CONTROL AS-REMOTE	548
	20	3	<b>107-6174</b>	1	COVER AS	
	21	3	<b>5P-1075</b>	2	WASHER-HARD (10.2X22.5X3MM THK)	
BD	22	3	<b>5P-7513</b>		SEAL	
D	23	3	<b>5P-5649</b>		SEAL (.9M)	
	24	2	<b>8C-6913</b>	6	WASHER-HARD (24X41.5X4MM THK)	
	25	2	<b>3B-4640</b>	3	COTTER	
	26	2	<b>191-8283</b>	3	PIN	
	27	3	<b>6T-3643</b>	1	CIRCUIT BREAKER AS (15 AMP)	
		3	<b>6V-8376</b>	2	SCREW-MACHINE (8-32X0.25 IN)	
		3	<b>9B-7233</b>	2	LOCKWASHER	
	28	3	<b>9X-8486</b>	2	SCREW-MACHINE (8-32X0.75 IN)	
	29	3	<b>110-2982</b>	1	WIRE AS	
	30	3	<b>155-7428</b>	1	FILM-FACE	
	31	3	<b>152-6447</b>	1	PANEL AS	
		3	<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)	
		3	<b>9F-6445</b>	5	NUT-WELD (1/4-20 THD)	

B-USE AS REQUIRED

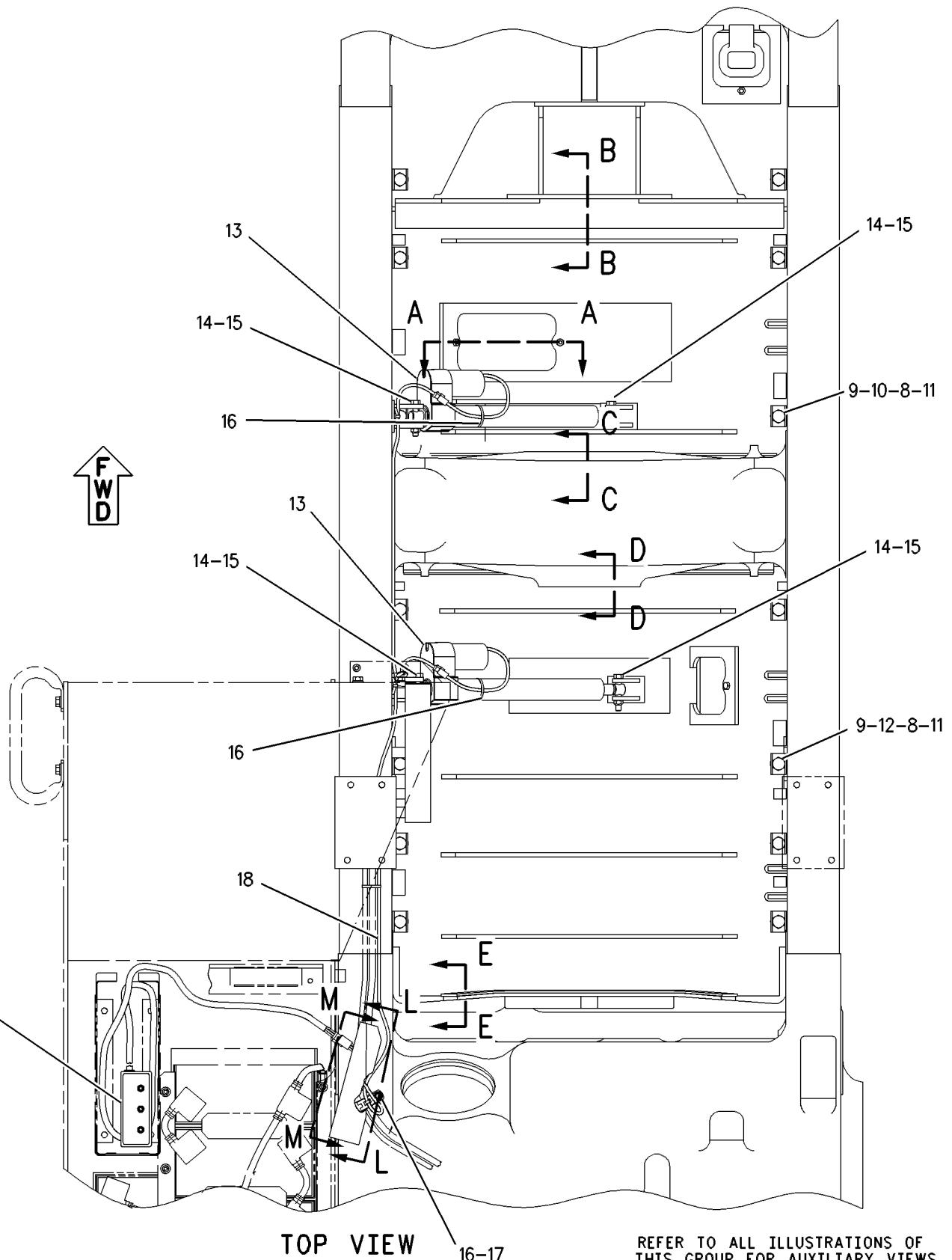
D-ORDER BY THE METER

Y-SEPARATE ILLUSTRATION

# FRAME AND BODY

130-1935 GUARD AR-BOTTOM (contd.)

i01480957



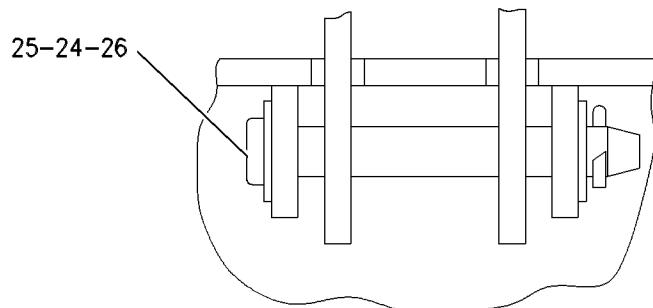
GRAPHIC #1

g00638670

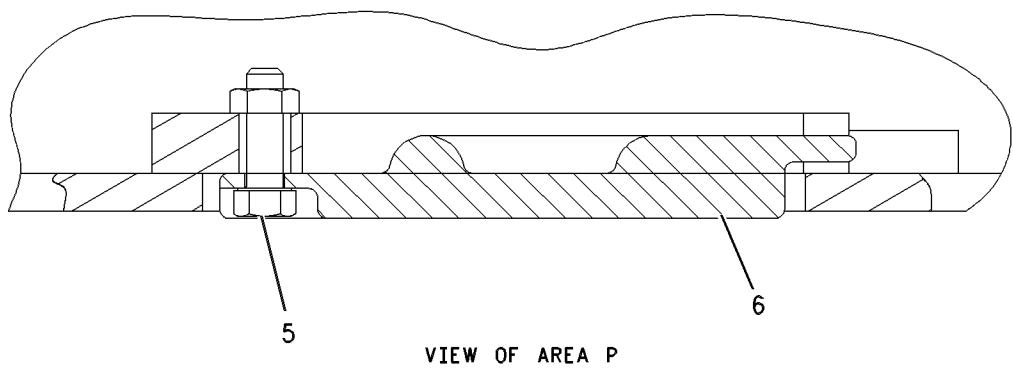
# FRAME AND BODY

130 - 1935 GUARD AR-BOTTOM (contd.)

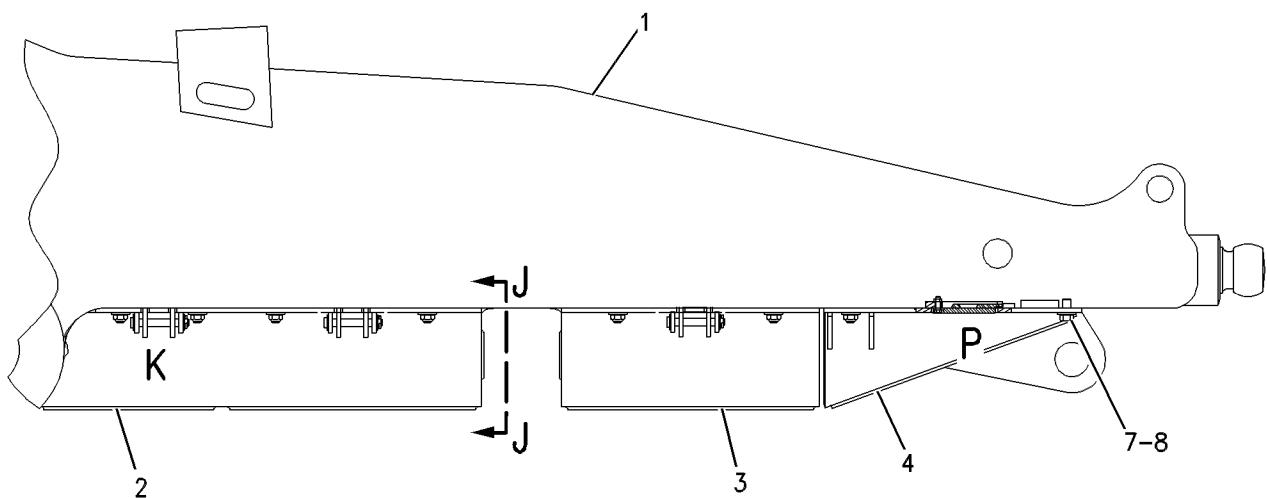
i01480957



VIEW OF AREA K



VIEW OF AREA P



REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

RIGHT SIDE VIEW

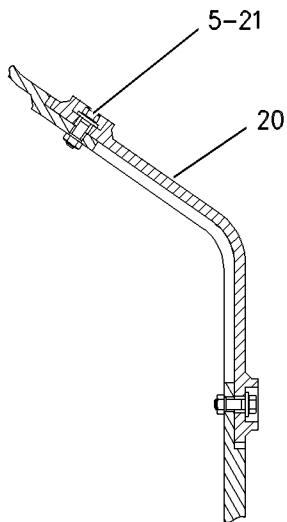
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g00549119

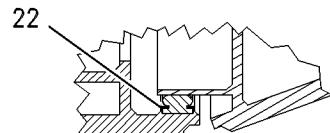
# FRAME AND BODY

130-1935 GUARD AR-BOTTOM (contd.)

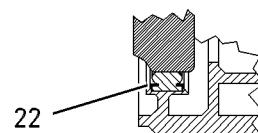
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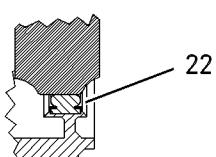
SECTION A-A



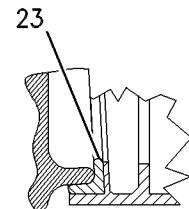
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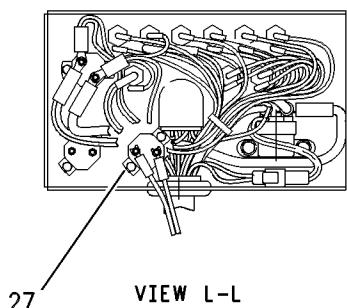
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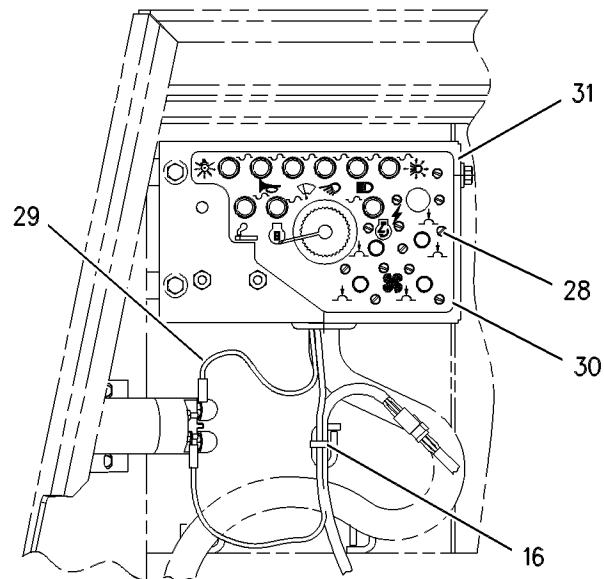
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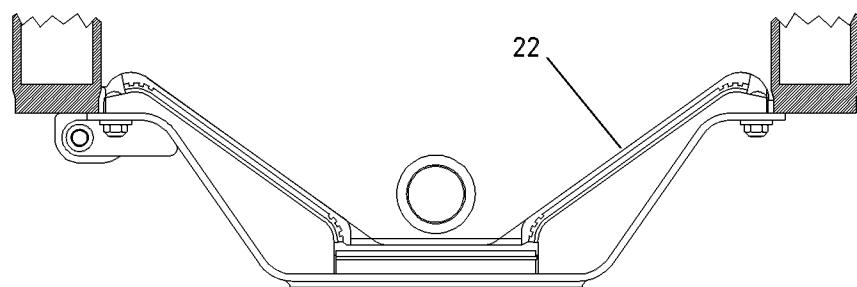
SECTION E-E



VIEW L-L



VIEW M-M



VIEW J-J

GRAPHIC #3

g00549128

# FRAME AND BODY

## 133-9140 GUARD AR-FINAL DRIVE

S/N: 9EM1-UP

PART OF 116-1301, 129-1275 WASTE HANDLING AR  
AN ATTACHMENT

SMCS-7172

i01513960

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
			1	2	3	4	5	6		
YR	6Y-3587	1	BRAKE & DIFFERENTIAL DRIVE GP							428
YR	6Y-3588	1	BRAKE & PLANETARY GP							436
Y	138-2034	2	FINAL DRIVE GP							456
			-OR-							
Y	159-7941	2	FINAL DRIVE GP							462

R - REMFG PART MAY BE AVAILABLE

Y - SEPARATE ILLUSTRATION

# FRAME AND BODY

## 159-8838 GUARD AR-FINAL DRIVE

S/N: 9EM1-UP

PART OF 129-1275 WASTE HANDLING AR  
AN ATTACHMENT

SMCS-7172

i01478690

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	159-7941	2							462
Y-SEPARATE ILLUSTRATION									

# FRAME AND BODY

## 166-4427 GUARD AR-IDLER

S/N: 9EM1-UP

NON-SUSPENDED

PART OF 129-1275 WASTE HANDLING AR  
AN ATTACHMENT

SMCS-4159

i01434407

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	166-4420	4	IDLER GP-TRACK						676
Y-SEPARATE ILLUSTRATION									

# FRAME AND BODY

**166-4428 GUARD AR-IDLER**

S/N: 9EM1-UP

SUSPENDED

PART OF 116-1301 WASTE HANDLING AR  
AN ATTACHMENT

SMCS-4159

i01241775

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	166-3323	2	IDLER GP-TRACK						675
Y	166-4420	2	IDLER GP-TRACK						676

Y - SEPARATE ILLUSTRATION

# FRAME AND BODY

## 118-7441 GUARD AS-RADIATOR

S/N: 9EM1-UP

PART OF 119-4333 WASTE HANDLING AR  
AN ATTACHMENT

SMCS-7155

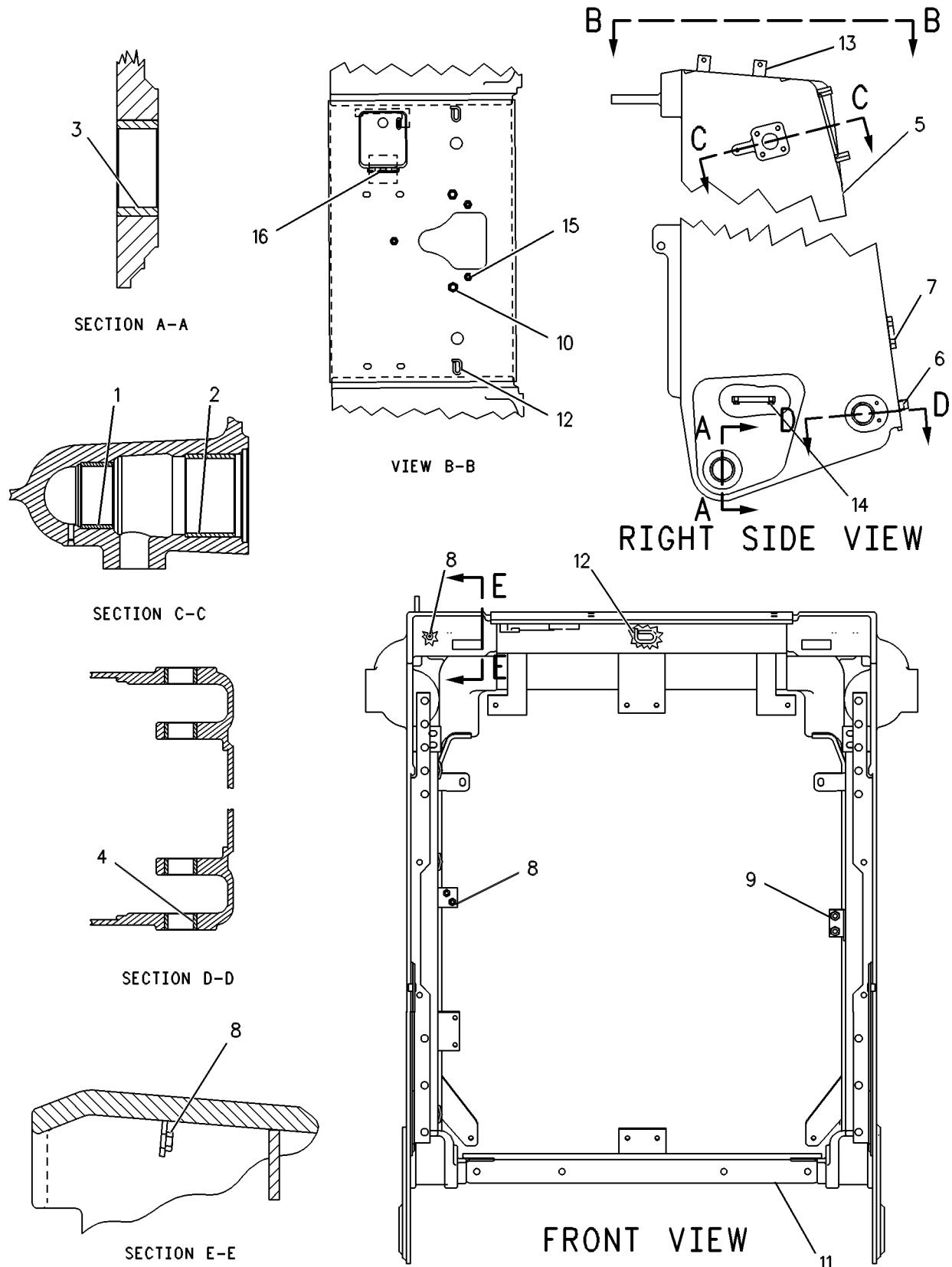
i01233248

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
1	1		3J-7189	2	BEARING							
2	1		5J-8118	2	BEARING							
3	1		6Y-5812	2	BEARING							
4	1		9P-1779	4	BEARING-SLEEVE							
5	1		120-6537	1	GUARD AS-RADIATOR							
6	1		1Q-2980	1	BAR							
7	1		109-3873	4	BLOCK							
8	1		1F-0748	2	NUT-WELD (1/2-13 THD)							
9	1		1F-0750	6	NUT-WELD (3/8-16 THD)							
10	1		3J-5169	2	NUT (5/8-11 THD)							
11	1		3T-6034	1	PLATE							
12	1		7T-1099	5	LINK							
13	1		8G-0794	2	BAR							
14	1		8T-5911	4	NUT-WELD (1/2-13 THD)							
15	1		8T-5912	3	NUT-WELD (3/8-16 THD)							
16	1		9B-2052	1	HINGE							

# FRAME AND BODY

118-7441 GUARD AS-RADIATOR (contd.)

i01233248



GRAPHIC #1

g00296582

# FRAME AND BODY

## 7T-2809 GUARD GP - BOTTOM

S/N: 9EM1-779

SMCS-7153

i01491733

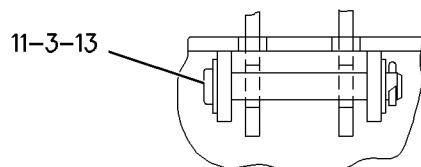
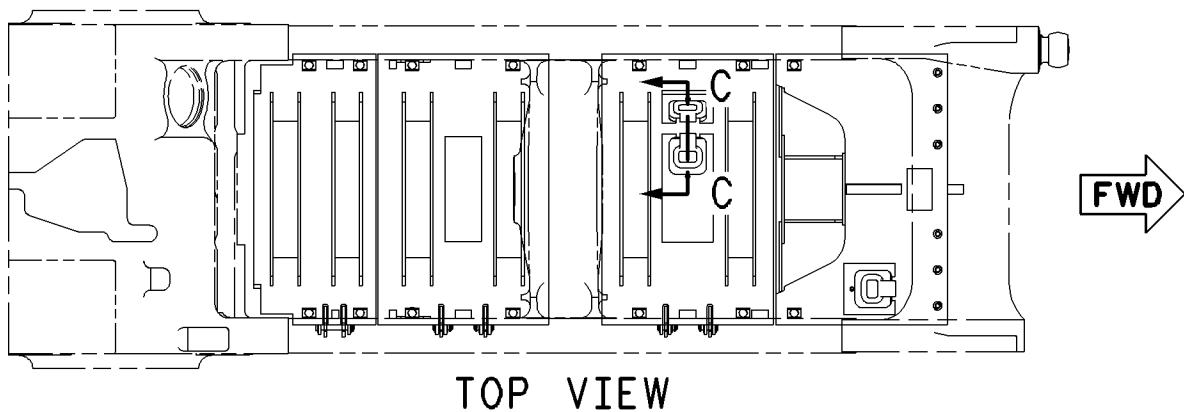
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
C	1	1	<b>9B-7237</b>	3	BOLT	(3/8-16X1.25 IN)					
	2	1	<b>7X-0365</b>	6	BOLT	(3/4-10X1.5 IN)					
	3	1	<b>7X-0594</b>	10	WASHER-HARD	(20X38X3MM THK)					
	4	1	<b>9U-8064</b>	1	GUARD AS						
	5	1	<b>7X-0582</b>	20	WASHER-HARD	(20X44.5X6MM THK)					
C	6	1	<b>7G-6495</b>	1	COVER						
	7	1	<b>7T-4000</b>	1	GUARD AS						
C	8	1	<b>5P-1075</b>	2	WASHER-HARD	(10.2X22.5X3MM THK)					
	9	1	<b>9U-8065</b>	1	GUARD AS						
	10	1	<b>4J-2036</b>	4	PIN						
	11	1	<b>3B-4629</b>	5	COTTER						
	12	1	<b>9U-8066</b>	1	GUARD AS						
	13	1	<b>7J-0252</b>	1	PIN						
	14	1	<b>3T-2747</b>	14	RETAINER						
	15	1	<b>8T-8925</b>	12	BOLT	(3/4-10X4.75 IN)					
	16	1	<b>6V-8182</b>	14	NUT	(3/4-10 THD)					
	17	1	<b>7X-0371</b>	2	BOLT	(3/4-10X3.75 IN)					
C	18	1	<b>107-6174</b>	1	COVER AS						

C-CHANGE FROM PREVIOUS TYPE

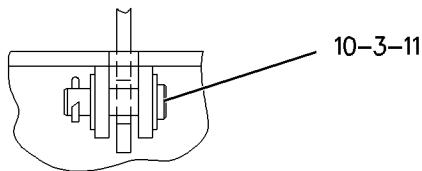
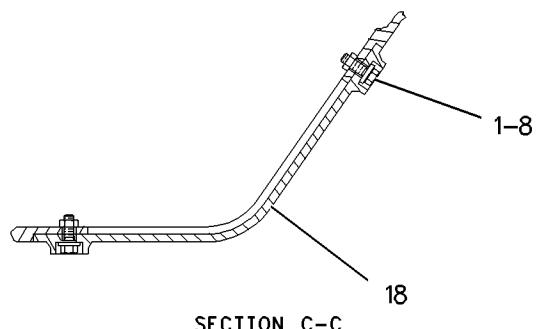
# FRAME AND BODY

7T-2809 GUARD GP - BOTTOM (contd.)

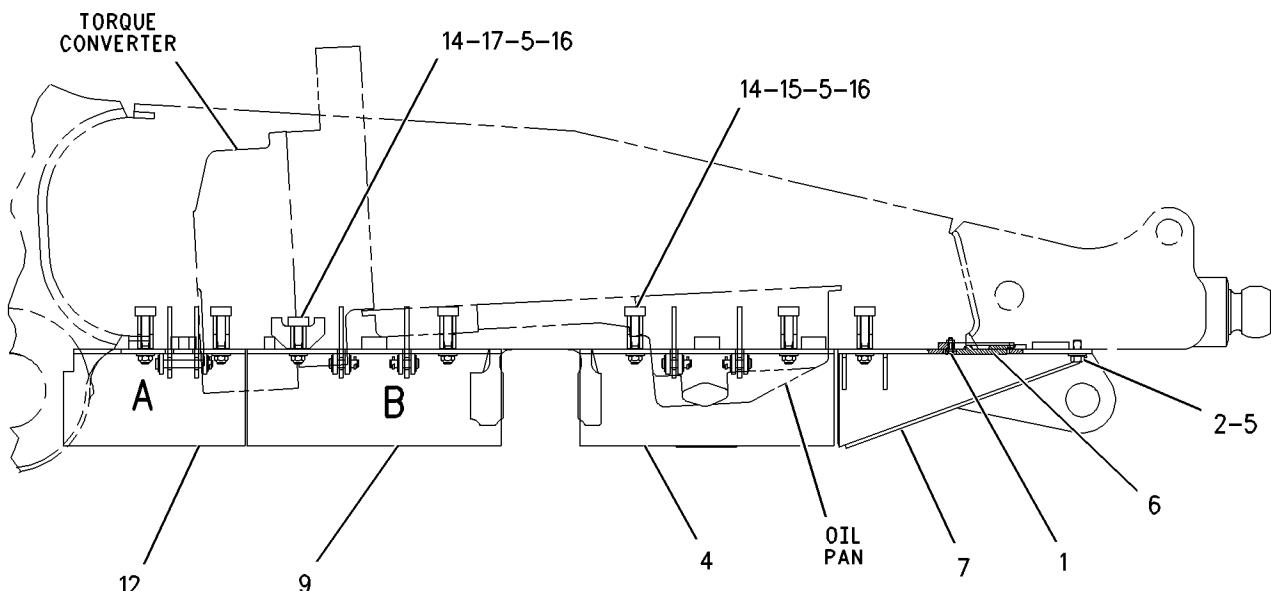
i01491733



VIEW OF AREA A



VIEW OF AREA B



RIGHT SIDE VIEW

GRAPHIC #1

g00774596

# FRAME AND BODY

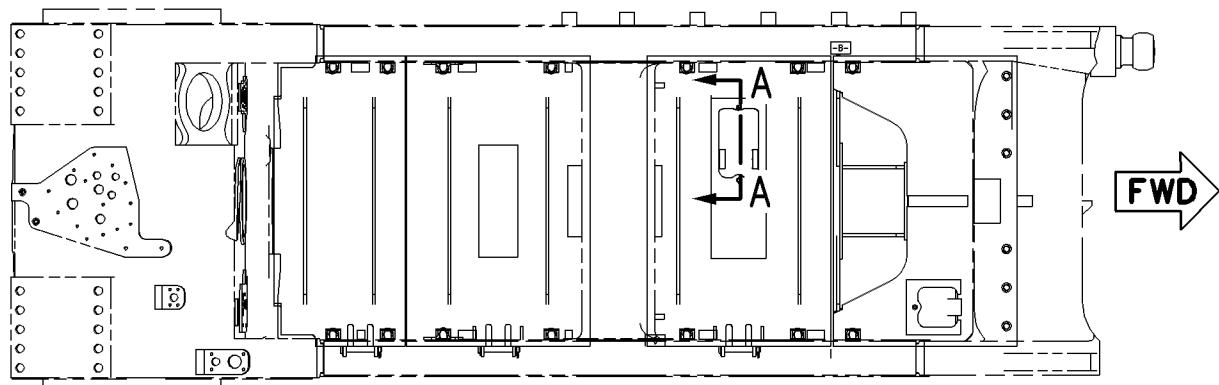
## 159-3878 GUARD GP-BOTTOM

S/N: 9EM780-UP

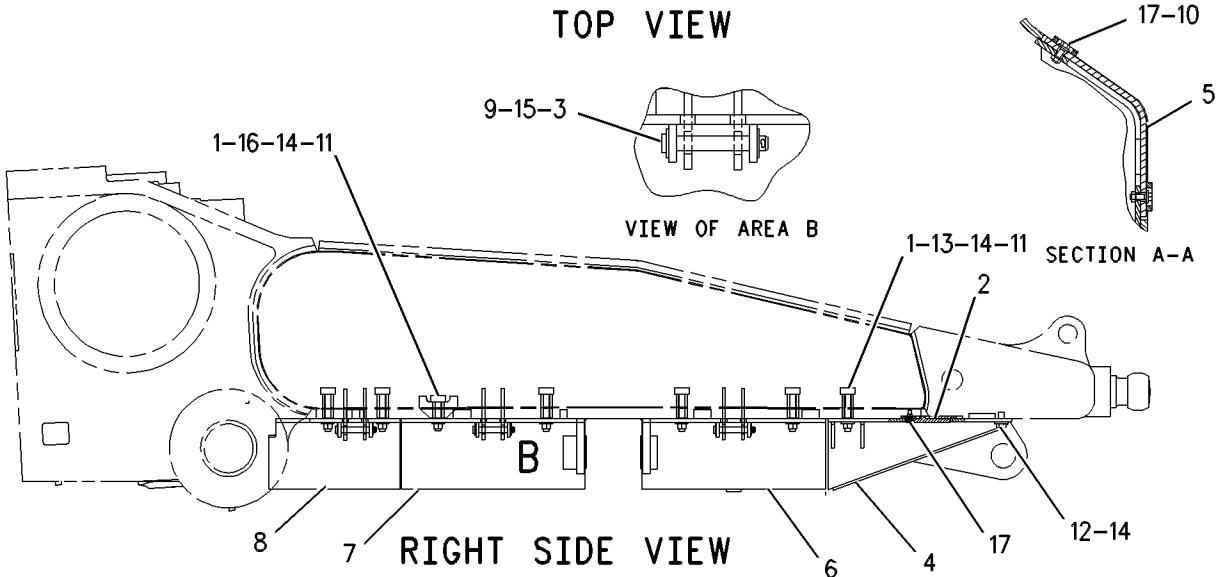
SMCS-7153

i01219410

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		3T-2747	14	RETAINER							
2	1		7G-6495	1	COVER							
3	1		7J-0252	3	PIN							
4	1		7T-4000	1	GUARD AS							
	1		1F-0750	1	NUT-WELD (3/8-16 THD)							
	1		3T-9310	1	PLATE							
5	1		107-6174	1	COVER AS							
6	1		159-3879	1	GUARD AS							
	1		1F-0750	2	NUT-WELD (3/8-16 THD)							
7	1		159-3880	1	GUARD AS							
8	1		159-3881	1	GUARD AS							
9	1		3B-4629	3	PIN-COTTER							
10	1		5P-1075	2	WASHER-HARD (3MM THK)							
11	1		6V-8182	4	NUT (3/4-10 THD)							
12	1		7X-0365	6	BOLT (3/4-10X1.50IN)							
13	1		8T-8925	12	BOLT (3/4-10X4.75IN)							
14	1		7X-0582	20	WASHER-HARD (6MM THK)							
15	1		7X-0594	6	WASHER-HARD (3MM THK)							
16	1		8C-8842	2	BOLT (3/4-10X4.0IN)							
17	1		9B-7237	3	BOLT (3/8-16X1.25IN)							



TOP VIEW



RIGHT SIDE VIEW

GRAPHIC #1

g00495195

# FRAME AND BODY

## 159-5984 GUARD GP-BOTTOM

S/N: 9EM1-UP

HEAVY DUTY

PART OF 119-4333 WASTE HANDLING AR  
AN ATTACHMENT

**SMCS-7153**

**i01223776**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		<b>3T-2747</b>	14	RETAINER	
2	1		<b>7G-6495</b>	1	COVER	
3	1		<b>7J-0252</b>	3	PIN	
4	1		<b>9W-1085</b>	1	GUARD AS	
	1		<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)	
5	2		<b>107-6174</b>	1	COVER AS	
6	1		<b>159-5977</b>	1	GUARD AS	
7	1		<b>159-5978</b>	1	GUARD AS	
8	1		<b>159-5979</b>	1	GUARD AS	
	1		<b>8T-5912</b>	2	NUT-WELD (3/8-16 THD)	
9	1		<b>1K-6870</b>	14	LOCKNUT (3/4-10 THD)	
10	1		<b>3B-4629</b>	3	PIN-COTTER	
11	2		<b>5P-1075</b>	2	WASHER-HARD (3MM THK)	
12	1		<b>7X-0365</b>	6	BOLT (3/4-10X1.50IN)	
13	1		<b>7X-0582</b>	20	WASHER-HARD (6MM THK)	
14	1		<b>7X-0594</b>	6	WASHER-HARD (3MM THK)	
15	1		<b>8C-8842</b>	2	BOLT (3/4-10X4.0IN)	
16	1		<b>8T-8925</b>	12	BOLT (3/4-10X4.75IN)	
17	1,2		<b>9B-7237</b>	3	BOLT (3/8-16X1.25IN)	
BD	18	2	<b>5P-5649</b>		SEAL	
D	19	2	<b>5P-7513</b>	2	SEAL (.44M EACH)	
D	20	2	<b>5P-7513</b>		SEAL (1.17M)	
D	21	2	<b>5P-7513</b>	2	SEAL (.86M EACH)	
D	22	2	<b>5P-7513</b>		SEAL (.28M)	
D	23	2	<b>5P-7513</b>		SEAL (1.17M)	

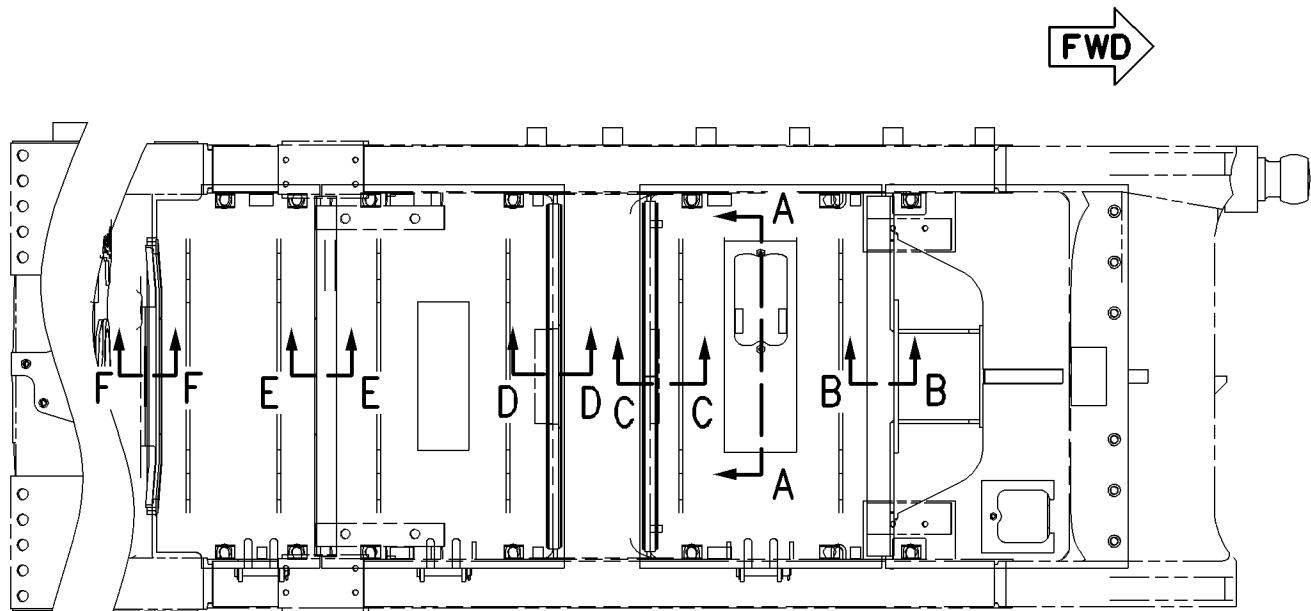
B-USE AS REQUIRED

D-ORDER BY THE METER

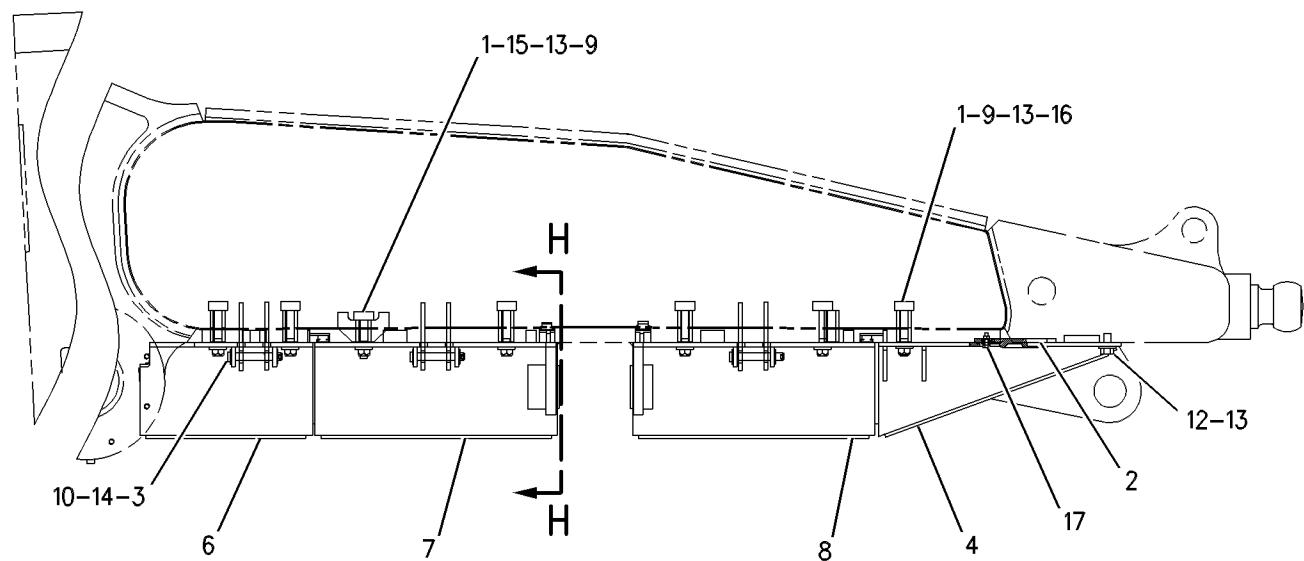
# FRAME AND BODY

159-5984 GUARD GP - BOTTOM (contd.)

i01223776



TOP VIEW



RIGHT SIDE VIEW

REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

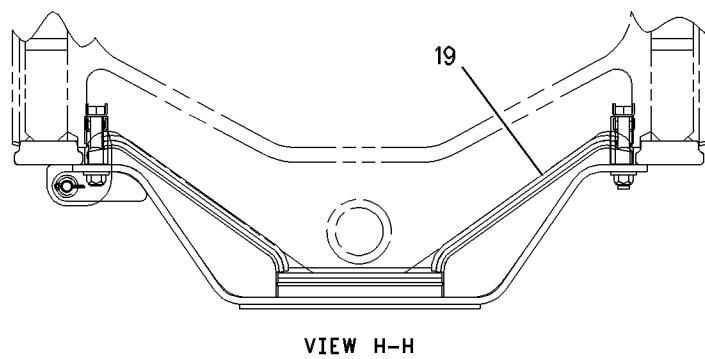
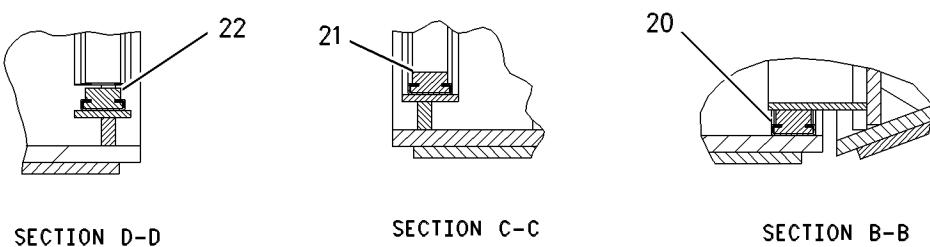
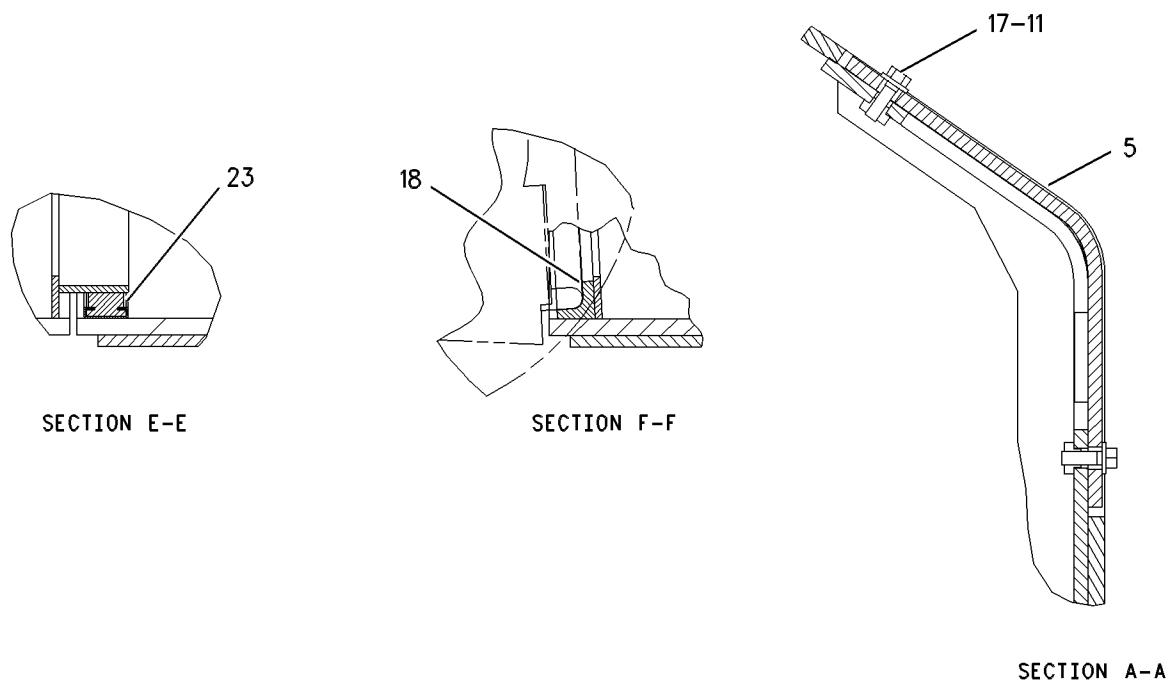
GRAPHIC #1

g00602780

# FRAME AND BODY

159-5984 GUARD GP-BOTTOM (*contd.*)

i01223776



GRAPHIC #2

g00602783

# FRAME AND BODY

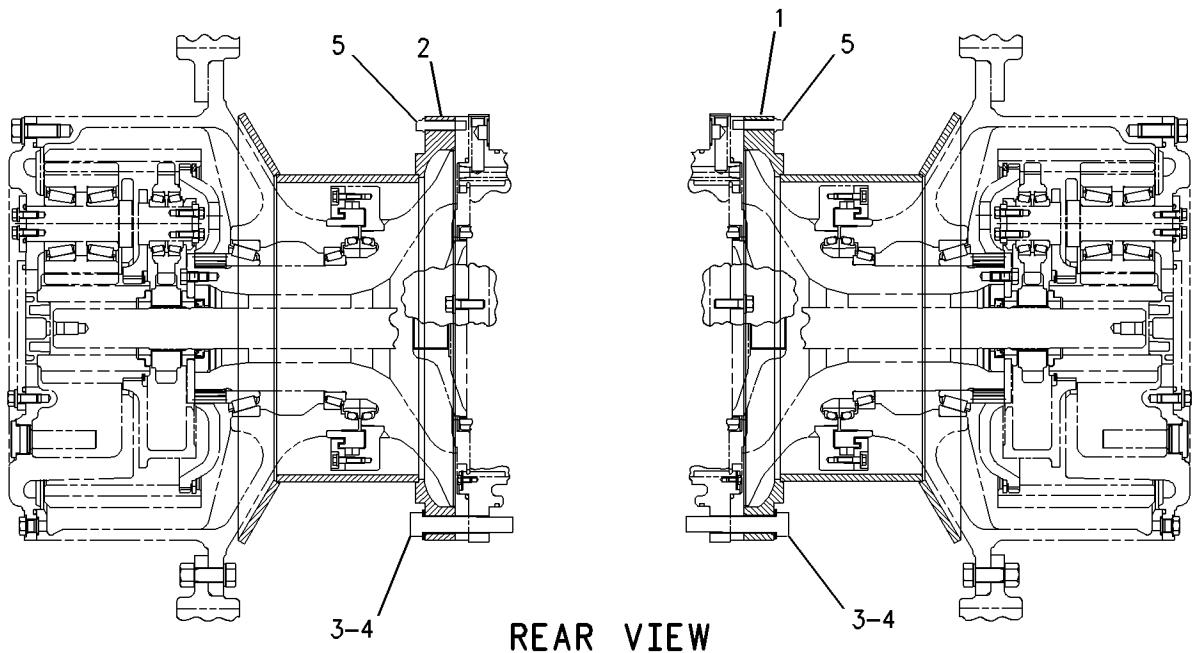
## 138-3143 GUARD GP-FINAL DRIVE

S/N: 9EM1-UP  
AN ATTACHMENT

SMCS-7172

i01488440

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		137-4485	2	TUBE AS						
2	1		137-4486	2	TUBE AS						
3	1		9S-1351	52	BOLT (7/8-9X5 IN)						
4	1		5P-8249	52	WASHER-HARD (24X41.5X4MM THK)						
5	1		6J-2515	8	BOLT-12 POINT HEAD						



GRAPHIC #1

g00697485

# FRAME AND BODY

## 111-2620 GUARD GP - FUEL TANK

S/N: 9EM1-1212

AN ATTACHMENT

SMCS-1273

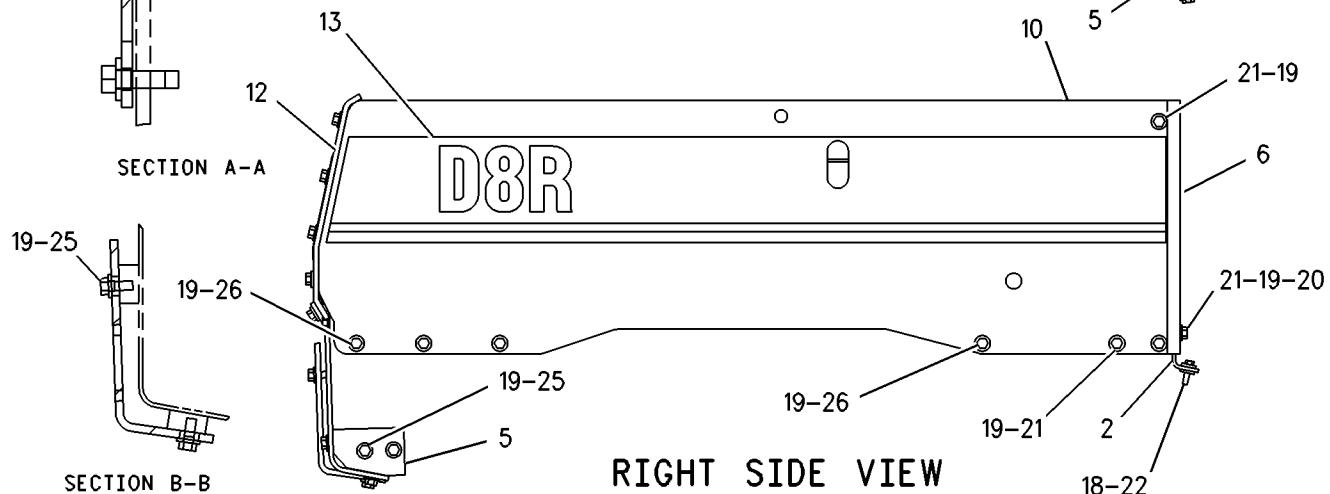
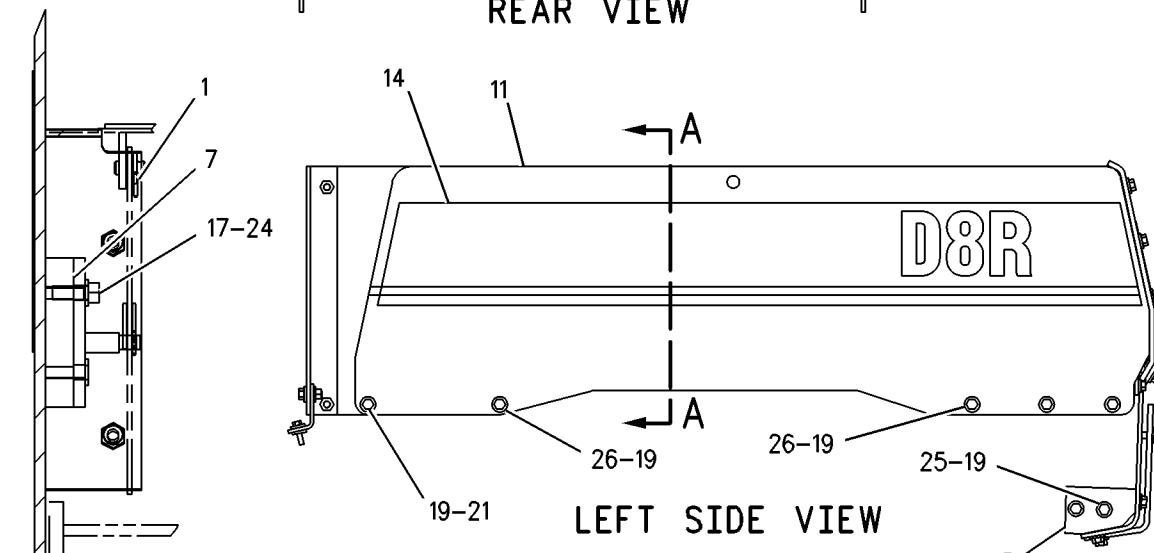
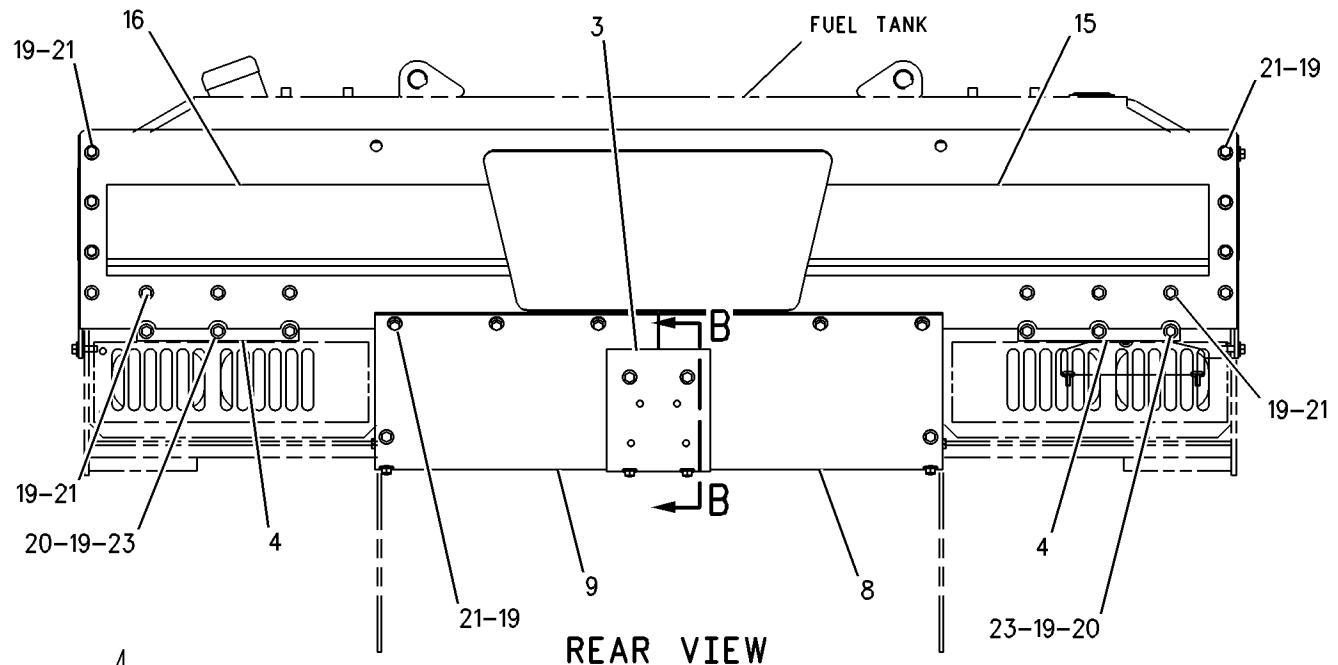
i01275449

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
1	1		<b>3B-4609</b>	2	PIN-COTTER							
2	1		<b>6Y-4520</b>	1	BRACKET							
3	1		<b>7T-8124</b>	1	PLATE							
4	1		<b>8E-3013</b>	2	PLATE AS							
	1		<b>8T-5911</b>	3	NUT-WELD (1/2-13 THD)							
	1		<b>9R-1509</b>	3	BOSS							
5	1		<b>8E-3084</b>	2	BLOCK							
6	1		<b>9U-9389</b>	1	PLATE AS							
	1		<b>8T-5911</b>	2	NUT-WELD (1/2-13 THD)							
7	1		<b>9W-7815</b>	1	PLATE AS							
8	1		<b>104-7759</b>	1	GUARD-RH							
9	1		<b>104-7761</b>	1	GUARD-LH							
10	1		<b>121-9411</b>	1	GUARD AS-RH							
11	1		<b>121-9412</b>	1	GUARD AS-LH							
	1		<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)							
12	1		<b>121-9413</b>	1	GUARD AS-REAR							
	1		<b>8T-5911</b>	6	NUT-WELD (1/2-13 THD)							
13	1		<b>123-5866</b>	1	FILM-STRIPE							
14	1		<b>123-5867</b>	1	FILM-STRIPE							
15	1		<b>123-5869</b>	1	FILM-STRIPE							
16	1		<b>123-5870</b>	1	FILM-STRIPE							
17	1		<b>4L-6454</b>	2	BOLT (3/8-16X1 IN)							
18	1		<b>4L-9337</b>	2	BOLT (3/8-16X1.5 IN)							
19	1		<b>5P-1076</b>	58	WASHER-HARD (4MM THK)							
20	1		<b>6V-8188</b>	7	NUT (1/2-13 THD)							
21	1		<b>8C-4436</b>	25	BOLT (1/2-13X1.375IN)							
22	1		<b>8T-2561</b>	4	WASHER (5MM THK)							
23	1		<b>8T-4835</b>	6	BOLT (1/2-13X2.0 IN)							
24	1		<b>8T-4896</b>	2	WASHER-HARD (10.2X18.5X2.5MM THK)							
25	1		<b>8T-8917</b>	12	BOLT (1/2-13X1.25 IN)							
26	1		<b>8T-8919</b>	8	BOLT (1/2-13X1.75 IN)							

# FRAME AND BODY

111-2620 GUARD GP-FUEL TANK (contd.)

i01275449



GRAPHIC #1

g00691371

# FRAME AND BODY

## 127-5682 GUARD GP - FUEL TANK

S/N: 9EM1-1212

AN ATTACHMENT

SMCS-1273

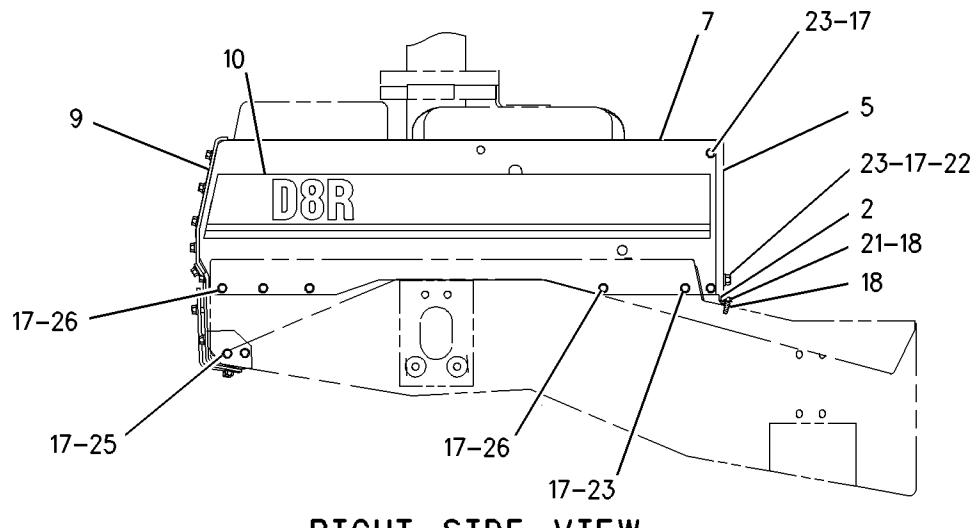
i01328025

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		3B-4610	2	COTTER							
2	1		6Y-4520	1	BRACKET							
3	1		7T-8124	1	PLATE							
4	1		8E-3013	2	PLATE AS (EACH INCLUDES)							
	1		8T-5911	3	NUT-WELD (1/2-13 THD)							
	1		9R-1509	3	BOSS							
5	1		9U-9389	1	PLATE AS							
	1		8T-5911	2	NUT-WELD (1/2-13 THD)							
6	1		9W-7815	1	PLATE AS							
7	1		121-9411	1	GUARD AS-RH							
8	1		121-9412	1	GUARD AS-LH							
	1		1F-0750	2	NUT-WELD (3/8-16 THD)							
9	1		121-9413	1	GUARD AS-REAR							
	1		8T-5911	6	NUT-WELD (1/2-13 THD)							
10	1		123-5866	1	FILM-STRIPE (RH-D8R)							
11	1		123-5867	1	FILM-STRIPE (LH-D8R)							
12	1		123-5869	1	FILM-STRIPE (RH-REAR)							
13	1		123-5870	1	FILM-STRIPE (LH-REAR)							
14	1		127-5551	2	BLOCK							
15	1		127-5552	1	GUARD-LH							
16	1		127-5553	1	GUARD-RH							
17	1		5P-1076	58	WASHER-HARD (4MM THK)							
18	1		8T-2561	4	WASHER (5MM THK)							
19	1		8T-4896	2	WASHER-HARD (10.2X18.5X2.5MM THK)							
20	1		4L-6454	2	BOLT (3/8-16X1 IN)							
21	1		4L-9337	2	BOLT (3/8-16X1.5 IN)							
22	1		6V-8188	7	NUT (1/2-13 THD)							
23	1		8C-4436	25	BOLT (1/2-13X1.375 IN)							
24	1		8T-4835	6	BOLT (1/2-13X2.0 IN)							
25	1		8T-8917	12	BOLT (1/2-13X1.25 IN)							
26	1		8T-8919	8	BOLT (1/2-13X1.75 IN)							

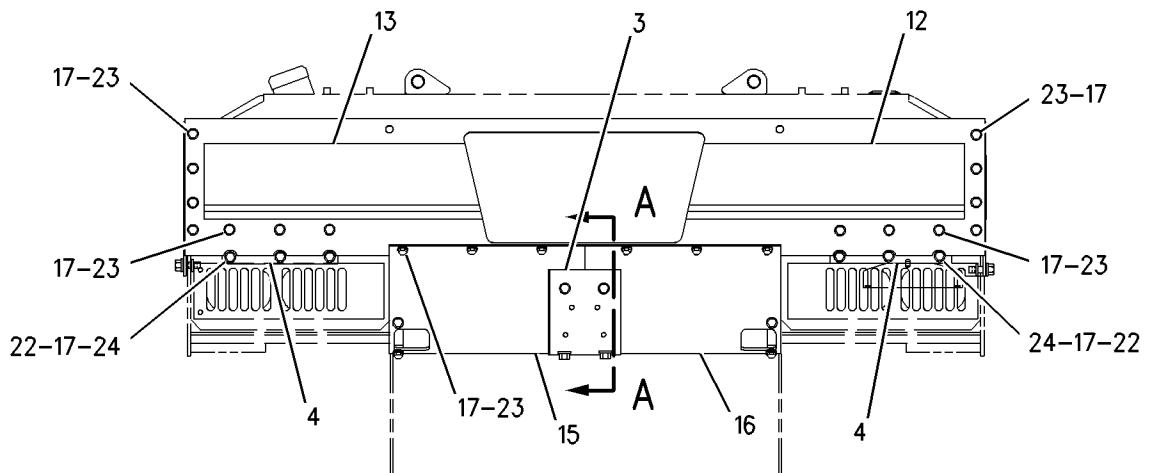
# FRAME AND BODY

127-5682 GUARD GP-FUEL TANK (contd.)

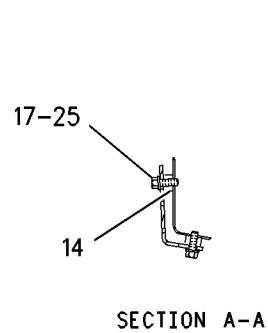
i01328025



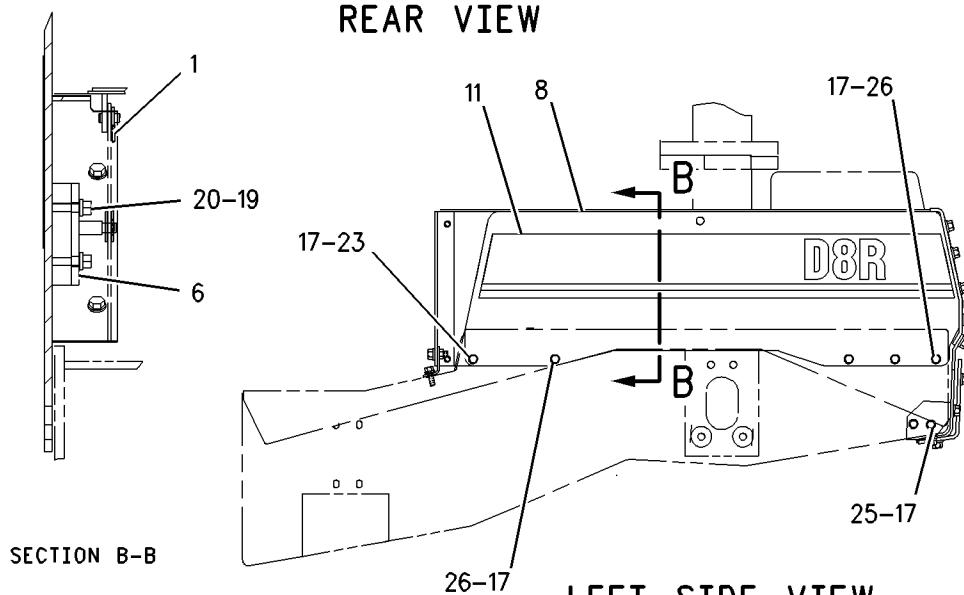
RIGHT SIDE VIEW



REAR VIEW



SECTION A-A



LEFT SIDE VIEW

GRAPHIC #1

g00660152

# FRAME AND BODY

## 199-6262 GUARD GP - FUEL TANK

S/N: 9EM1213-UP

FOR USE WITH RIPPER

AN ATTACHMENT

SMCS-1273

i01526323

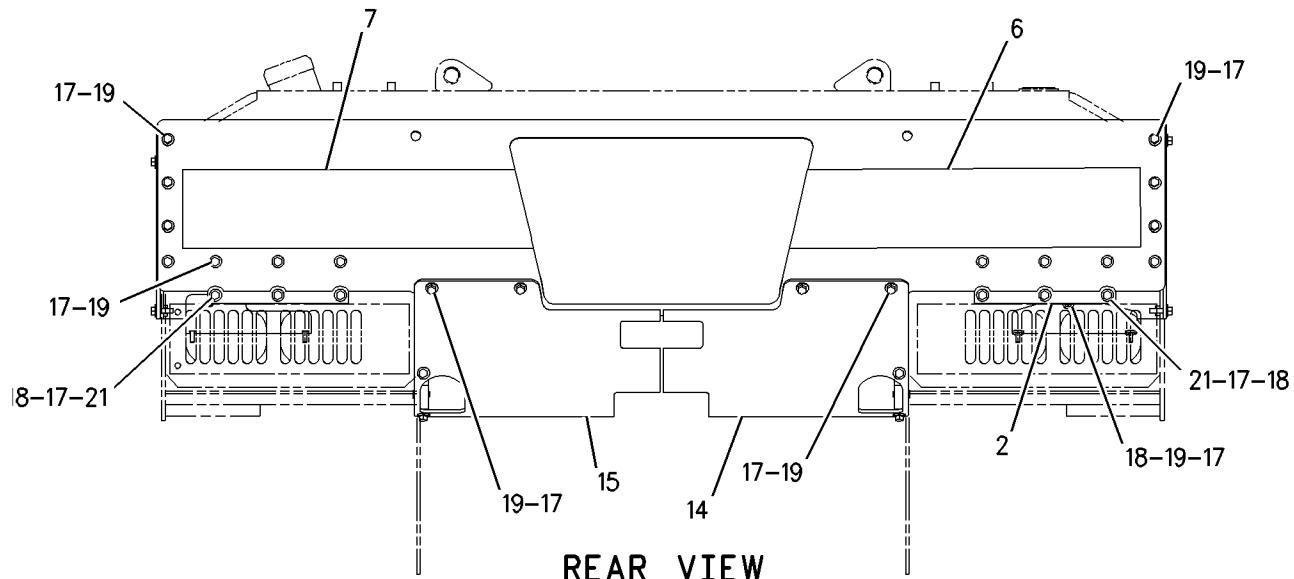
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		6Y-4520	1	BRACKET							
2	1		8E-3013	2	PLATE AS							
3	1		9U-9389	1	PLATE AS							
4	1		121-9411	1	GUARD AS-RH							
5	1		123-5866	1	FILM-STRIPE (RH SIDE) (D8R)							
6	1		123-5869	1	FILM-STRIPE (REAR) (RH SIDE)							
7	1		123-5870	1	FILM-STRIPE (REAR) (LH SIDE)							
8	1		165-0121	2	BLOCK							
9	1		190-0085	1	BRACKET							
10	1		190-0089	1	PLATE AS							
11	1		190-1686	1	GUARD AS-LH							
12	1		195-6149	1	FILM-STRIPE (LH SIDE) (D8R)							
13	1		199-4068	1	GUARD AS-REAR							
14	1		199-6160	1	GUARD							
15	1		199-6161	1	GUARD							
16	1		4L-9337	4	BOLT (3/8-16X1.5 IN)							
B	17	1	5P-1076	55	WASHER-HARD (13.5X30X4MM THK)							
	18	1	6V-8188	7	NUT (1/2-13 THD)							
B	19	1	8C-4436	26	BOLT (1/2-13X1.375 IN)							
B	20	1	8T-2561	6	WASHER-HARD (10.5X28.5X5MM THK)							
21	1		8T-4835	6	BOLT (1/2-13X2 IN)							
22	1		8T-8917	8	BOLT (1/2-13X1.25 IN)							
23	1		8T-8919	8	BOLT (1/2-13X1.75 IN)							

B-USE AS REQUIRED

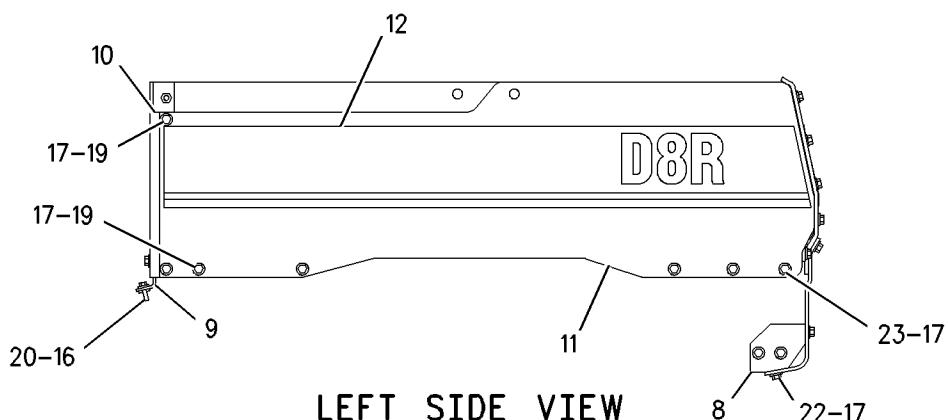
## FRAME AND BODY

**199 - 6262 GUARD GP - FUEL TANK (contd.)**

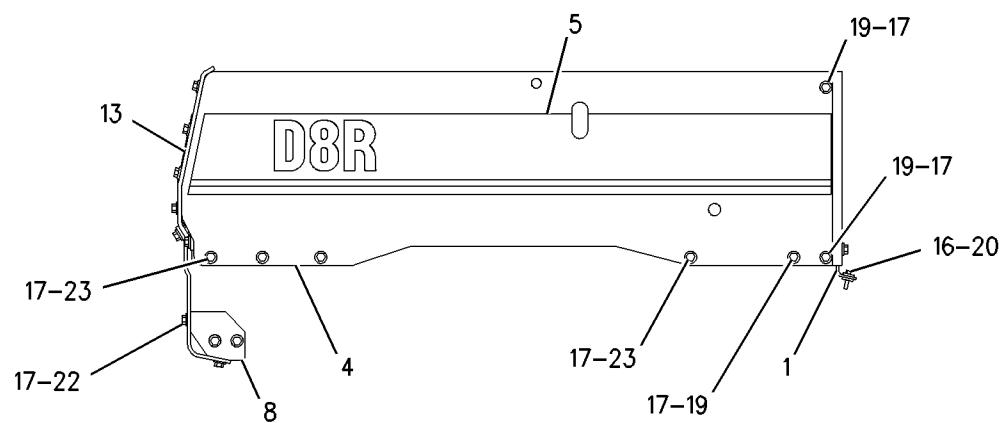
i01526323



**REAR VIEW**



## LEFT SIDE VIEW



### RIGHT SIDE VIEW

## GRAPHIC #1

g00805020

# FRAME AND BODY

## 200-8234 GUARD GP - FUEL TANK

S/N: 9EM1213-UP

WITHOUT RIPPER

AN ATTACHMENT

**SMCS-1273**

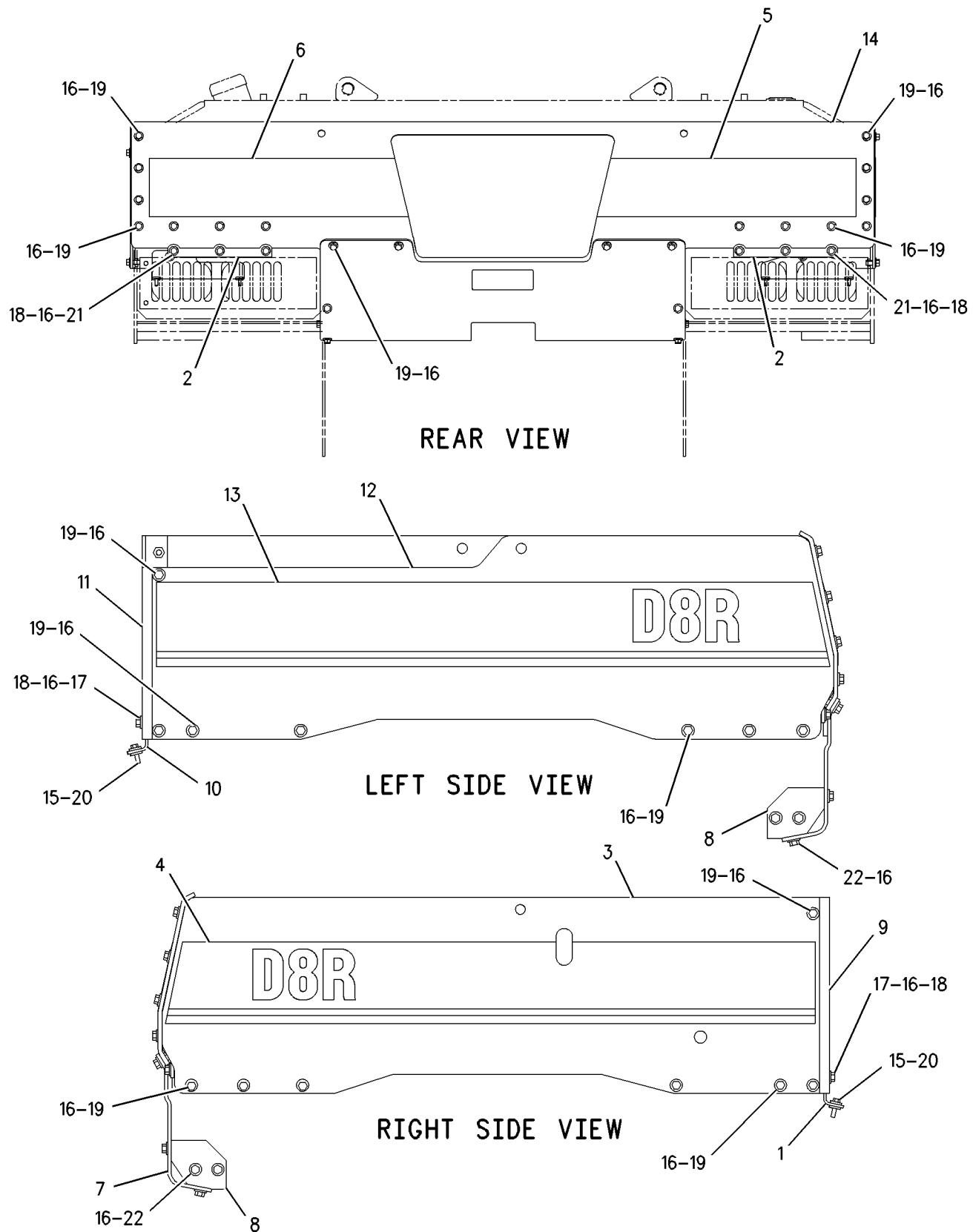
**i01526305**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		<b>6Y-4520</b>	1	BRACKET	
2	1		<b>8E-3013</b>	2	PLATE AS (EACH INCLUDES)	
	1		<b>8T-5911</b>	3	NUT-WELD (1/2-13 THD)	
	1		<b>8V-2640</b>	3	SPACER	
3	1		<b>121-9411</b>	1	GUARD AS	
4	1		<b>123-5866</b>	1	FILM-STRIPE (RH)	
5	1		<b>123-5869</b>	1	FILM-STRIPE (REAR)	
6	1		<b>123-5870</b>	1	FILM-STRIPE (REAR)	
7	1		<b>165-0117</b>	1	GUARD	
8	1		<b>165-0121</b>	2	BLOCK	
9	1		<b>165-1675</b>	1	PLATE AS	
	1		<b>8T-5911</b>	2	NUT-WELD (1/2-13 THD)	
10	1		<b>190-0085</b>	1	BRACKET	
11	1		<b>190-0089</b>	1	PLATE AS	
	1		<b>8T-5911</b>	2	NUT-WELD (1/2-13 THD)	
12	1		<b>190-1686</b>	1	GUARD AS	
13	1		<b>195-6149</b>	1	FILM-STRIPE (LH SIDE)	
14	1		<b>199-4068</b>	1	GUARD AS-REAR	
	1		<b>8T-5911</b>	4	NUT-WELD (1/2-13 THD)	
15	1		<b>4L-9337</b>	4	BOLT (3/8-16X1.5 IN)	
16	1		<b>5P-1076</b>	56	WASHER-HARD (13.5X30X4MM THK)	
17	1		<b>5P-2566</b>	2	BOLT (1/2-13X1.5 IN)	
18	1		<b>6V-8188</b>	8	NUT (1/2-13 THD)	
19	1		<b>8C-4436</b>	32	BOLT (1/2-13X1.375 IN)	
20	1		<b>8T-2561</b>	8	WASHER-HARD (10.5X28.5X5MM THK)	
21	1		<b>8T-4835</b>	6	BOLT (1/2-13X2 IN)	
22	1		<b>8T-8917</b>	8	BOLT (1/2-13X1.25 IN)	

# FRAME AND BODY

200-8234 GUARD GP-FUEL TANK (contd.)

i01526305



GRAPHIC #1

g00806752

# FRAME AND BODY

## 156-5700 GUARD GP-IDLER

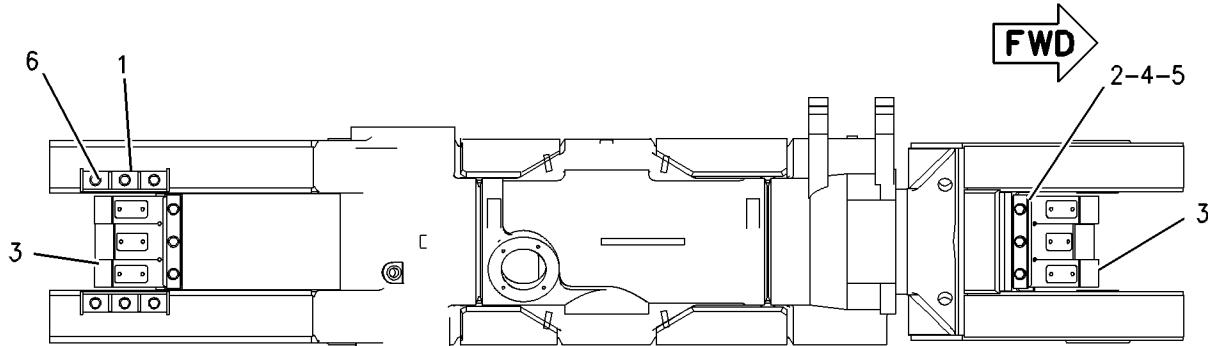
S/N: 9EM1213-UP

CANNOT BE USED WITH STANDARD TRACK ROLLER FRAME AS.  
AN ATTACHMENT

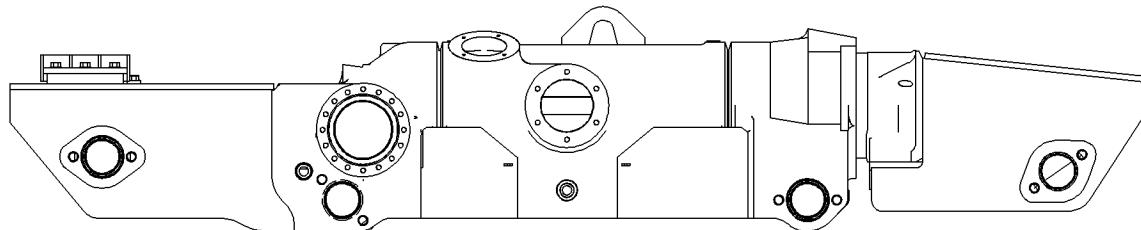
SMCS-4159

i01488609

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		155-2742	4	GUARD AS							
2	1		155-2754	4	PLATE							
3	1		163-2415	4	GUARD AS							
4	1		8T-6871	12	BOLT (5/8-11X2.50 IN)							
5	1		8T-4122	24	WASHER-HARD (17X32X3.5MM THK)							
6	1		7X-0345	12	BOLT (5/8-11X1.75 IN)							



TOP VIEW



RIGHT SIDE VIEW

GRAPHIC #1

g00763669

# FRAME AND BODY

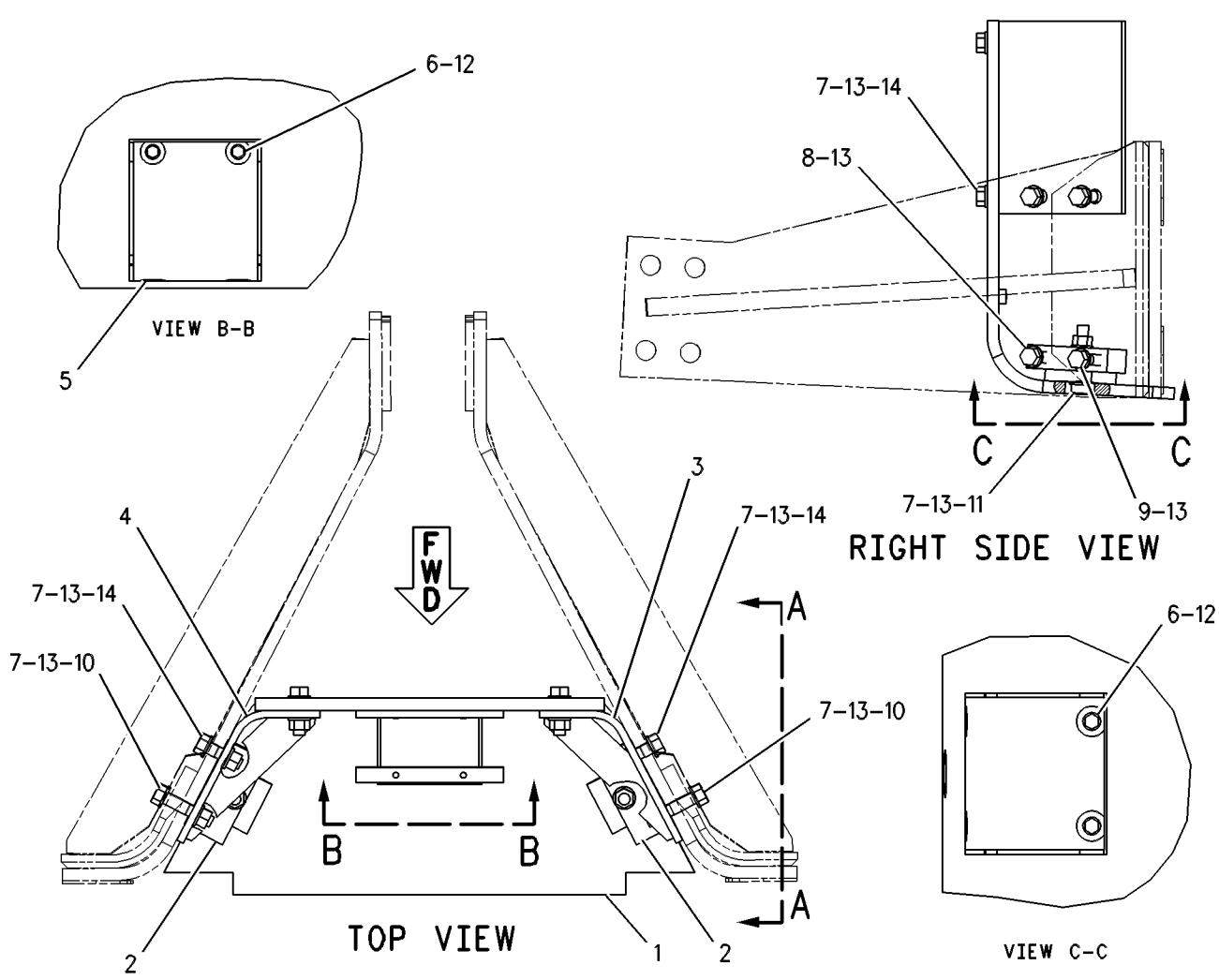
## 7T-6915 GUARD GP - POWER TRAIN

S/N: 9EM1-UP  
AN ATTACHMENT

SMCS-7150

i01211784

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
1	1		7T-6916	1	PLATE AS							
2	1		7T-6918	2	BLOCK							
3	1		7T-6922	1	PLATE AS-LH							
4	1		7T-6923	1	PLATE AS-RH							
5	1		7T-6924	1	PLATE							
6	1		4L-6454	4	BOLT (3/8-16X1 IN)							
7	1		6V-8182	10	NUT (3/4-10 THD)							
8	1		7X-0366	2	BOLT (3/4-10X2IN)							
9	1		7X-0368	2	BOLT (3/4-10X3IN)							
10	1		7X-0370	2	BOLT (3/4-10X3.50IN)							
11	1		8C-8842	2	BOLT (3/4-10X4.0IN)							
12	1		8T-4896	4	WASHER-HARD (2.5MM THK)							
13	1		8T-4994	24	WASHER (5MM THK)							
14	1		8T-8924	6	BOLT (3/4-10X2.50IN)							



g00648082

# FRAME AND BODY

## 105-9803 GUARD GP - RADIATOR

S/N: 9EM1-UP

SMCS-7155

i01673190

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		<b>2B-0176</b>	2	CAP	
2	1		<b>108-4211</b>	1	DOOR AS-RH	
3	1		<b>108-4210</b>	1	DOOR AS-LH	
					(EACH DOOR AS INCLUDES)	
			<b>4J-6727</b>	1	PLATE	
4	1		<b>8T-9389</b>	8	BOLT (1/2-13X2.75 IN)	
5	1		<b>8T-4223</b>	23	WASHER-HARD (13.5X25.5X3MM THK)	
6	1		<b>5M-6214</b>	2	PLUG-PIPE	
7	1		<b>8T-8917</b>	2	BOLT (1/2-13X1.25 IN)	
Y	8	1	<b>124-7562</b>	1	STEP GP	622
9	1		<b>5P-2566</b>	3	BOLT (1/2-13X1.5 IN)	
10	1		<b>9N-4622</b>	2	PIN	
11	1		<b>165-8084</b>	2	WASHER (20.5X75X10MM THK)	
12	1		<b>1K-6870</b>	2	LOCKNUT (3/4-10 THD)	
			<b>165-7637</b>	2	BOLT-SOCKET HEAD (3/4-10X7.5 IN)	
13	1		<b>3B-4615</b>	4	PIN-COTTER	
14	1		<b>197-3604</b>	1	PLATE AS	
15	1		<b>7X-0346</b>	2	BOLT (5/8-11X2 IN)	
16	1		<b>3W-3896</b>	2	HANDBOLD (GRAB)	
17	1		<b>5G-9974</b>	2	GASKET	
17A	1		<b>5G-9973</b>	2	COVER	
18	1		<b>9W-2822</b>	2	ROD	
19	1		<b>5C-6565</b>	8	BOLT (1/2-13X1.125 IN)	
20	1		<b>5P-2228</b>	2	BOLT (1/2-13X1 IN)	
21	1		<b>9U-9229</b>	2	PIN	
22	1		<b>4L-6454</b>	4	BOLT (3/8-16X1 IN)	
23	1		<b>5P-1075</b>	4	WASHER-HARD (10.2X22.5X3MM THK)	
24	1		<b>2G-9245</b>	2	PLATE	
25	1		<b>108-4217</b>	1	GUARD AS	
			<b>8F-9836</b>	1	BOSS-THREADED (3/8-16X.75 IN)	
			<b>1F-0748</b>	2	NUT-WELD (1/2-13 THD)	
			<b>1F-0750</b>	6	NUT-WELD (3/8-16 THD)	
			<b>3J-5169</b>	2	NUT (5/8-11 THD)	
			<b>7T-1099</b>	3	LINK	
			<b>8G-0794</b>	2	BAR	
			<b>8T-5911</b>	15	NUT-WELD (1/2-13 THD)	
			<b>8T-5912</b>	10	NUT-WELD (3/8-16 THD)	
			<b>9B-2052</b>	1	HINGE	
26	1		<b>3J-7189</b>	2	BEARING-SLEEVE	
27	1		<b>5J-8118</b>	2	BEARING-SLEEVE	
28	1		<b>9P-1779</b>	4	BEARING-SLEEVE	
29	1		<b>6Y-5812</b>	2	BEARING-SLEEVE	
30	1		<b>5P-8502</b>	1	PADLOCK GP	
A	1		<b>5P-8500</b>	1	KEY	
A	1		<b>8Y-6364</b>	1	SLEEVE	
31	1		<b>158-0518</b>	2	PLATE	
32	1		<b>1A-0458</b>	4	BOLT (3/4-10X1.75IN)	
33	1		<b>5P-8248</b>	4	WASHER-HARD (20X36.5X3.5MM THK)	
34	1		<b>8T-4994</b>	4	WASHER-HARD (20X36.5X3.5MM THK)	
35	1		<b>8T-4121</b>	4	WASHER-HARD (11X21X2.5MM THK)	
36	1		<b>194-6030</b>	2	SPACER (17X30X12MM THK)	
37	1		<b>3V-9244</b>	2	WASHER (16.5X50X5MM THK)	

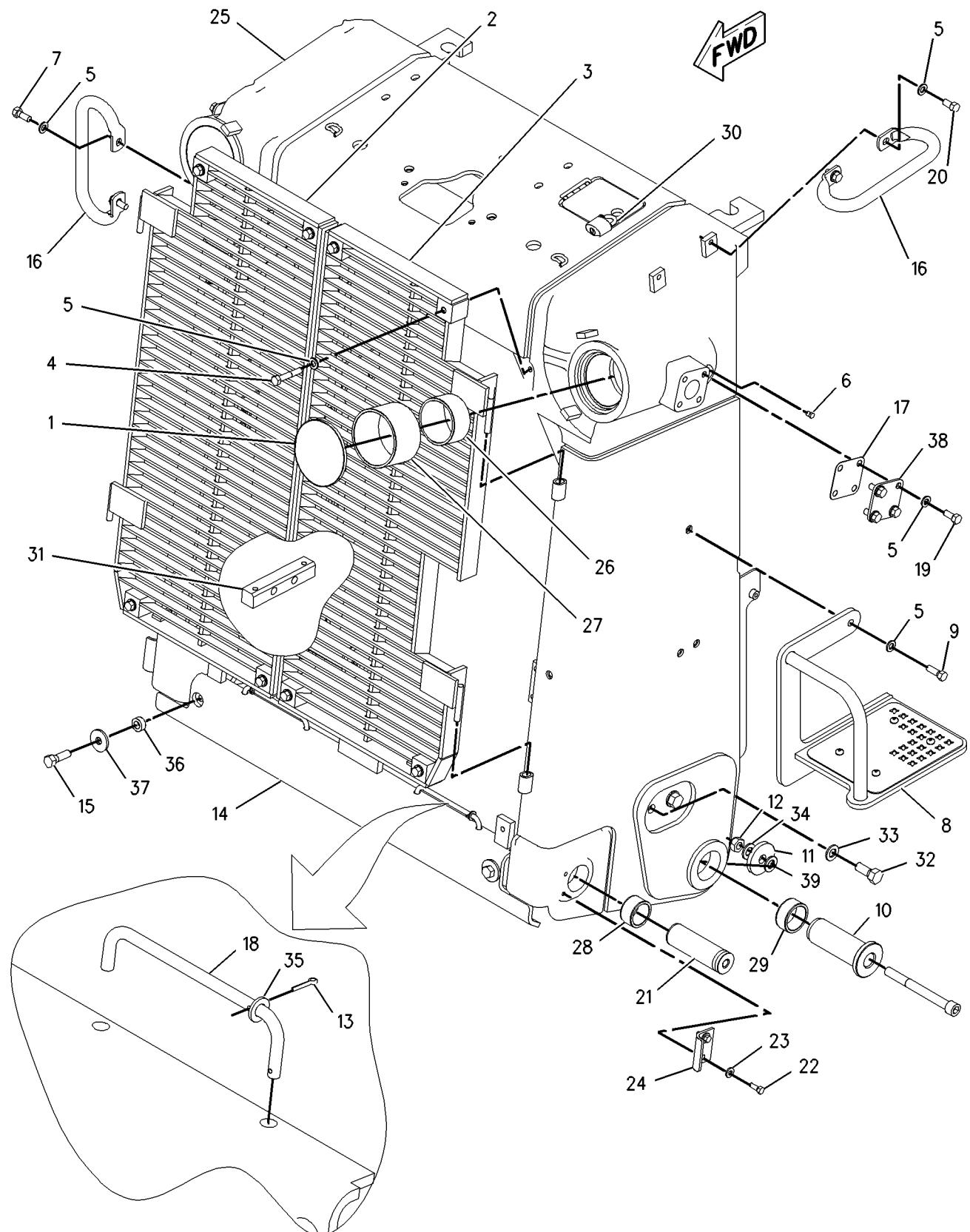
A-NOT PART OF THIS GROUP

Y-SEPARATE ILLUSTRATION

# FRAME AND BODY

105-9803 GUARD GP-RADIATOR (contd.)

i01673190



GRAPHIC #1

g00842880

# FRAME AND BODY

## 8E - 1497 GUARD GP - ROCK

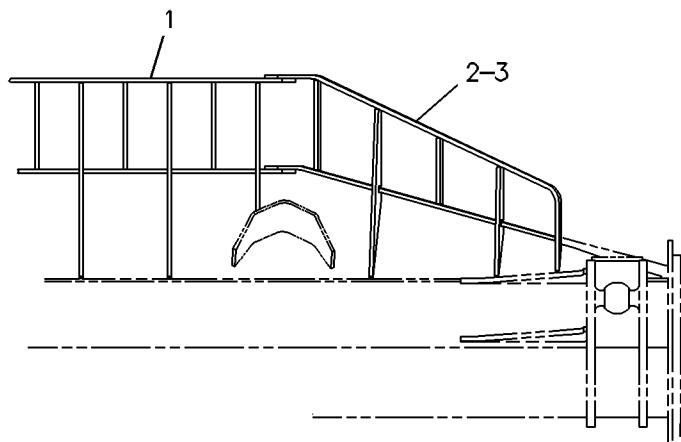
S/N: 9EM1-UP

PART OF 8E-7224 BLADE AS-SEMI-UNIVERSAL  
AN ATTACHMENT

SMCS-7182

i01440962

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		8E-1450	1	GUARD AS-CENTER						
2	1		8E-1454	1	GUARD AS-RH						
3	1		8E-1455	1	GUARD AS-LH						



REAR VIEW

GRAPHIC #1

g00222687

# FRAME AND BODY

## 8E-4205 GUARD GP-ROCK

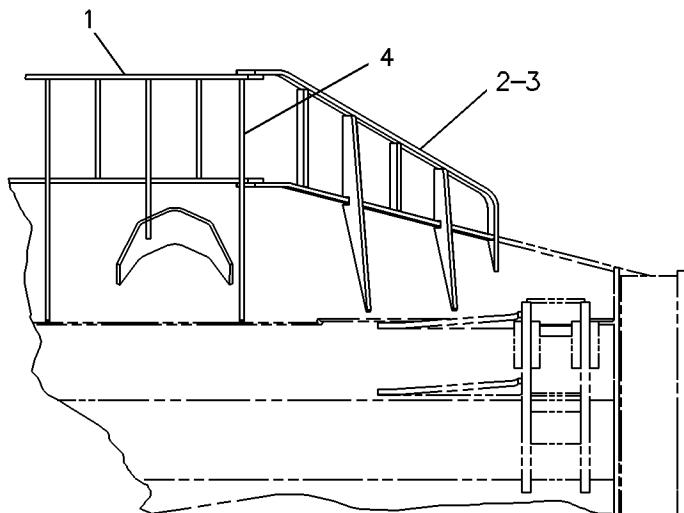
S/N: 9EM1-UP

PART OF 8E-7226 BLADE AS-UNIVERSAL  
CANNOT BE USED WITH SCREEN AS  
AN ATTACHMENT

SMCS-7182

i01254706

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		8E-4206	1	GUARD AS-CENTER						
2	1		8E-4209	1	GUARD AS-RH						
3	1		8E-4216	1	GUARD AS-LH						
4	1		8E-4218	2	PLATE						



REAR VIEW

GRAPHIC #1

g00222679

# FRAME AND BODY

## 1Z-0746 GUARD GP-SEAL

S/N: 9EM1-UP

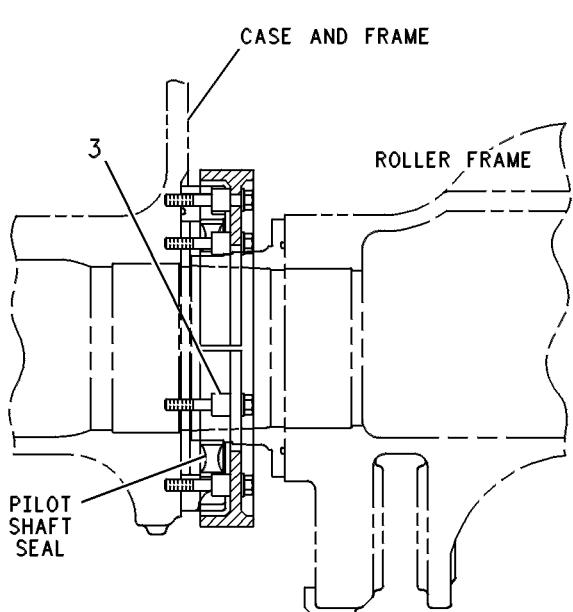
PIVOT SHAFT

PART OF 119-4333 WASTE HANDLING AR  
AN ATTACHMENT

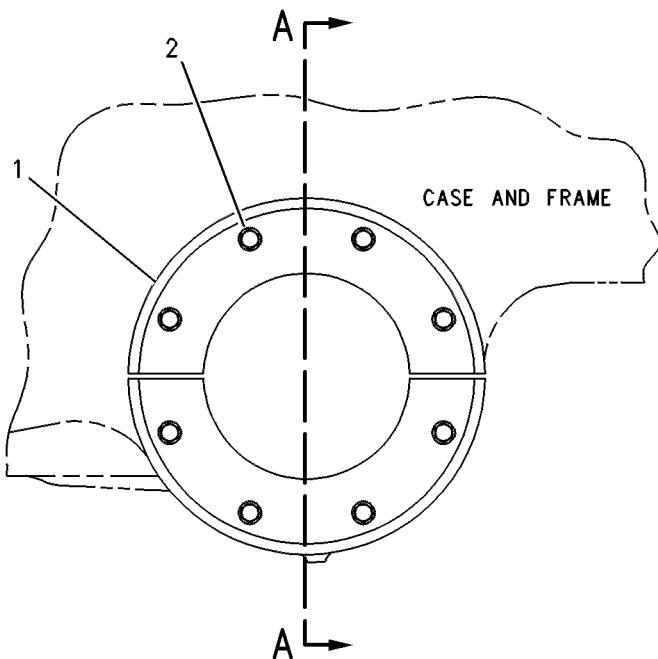
SMCS-7150

i01223692

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		1Q-3302	4	GUARD AS						
2	1		7X-0328	16	BOLT (1/2-13X3.50IN)						
	1		8T-4223	16	WASHER-HARD (3MM THK)						
3	1		7V-0762	16	SPACER						



SECTION A-A



RH PROFILE VIEW

GRAPHIC #1

g00246469

# FRAME AND BODY

## 113-2537 HOOD & GUARD GP

S/N: 9EM1-UP

SMCS-7251

i00570768

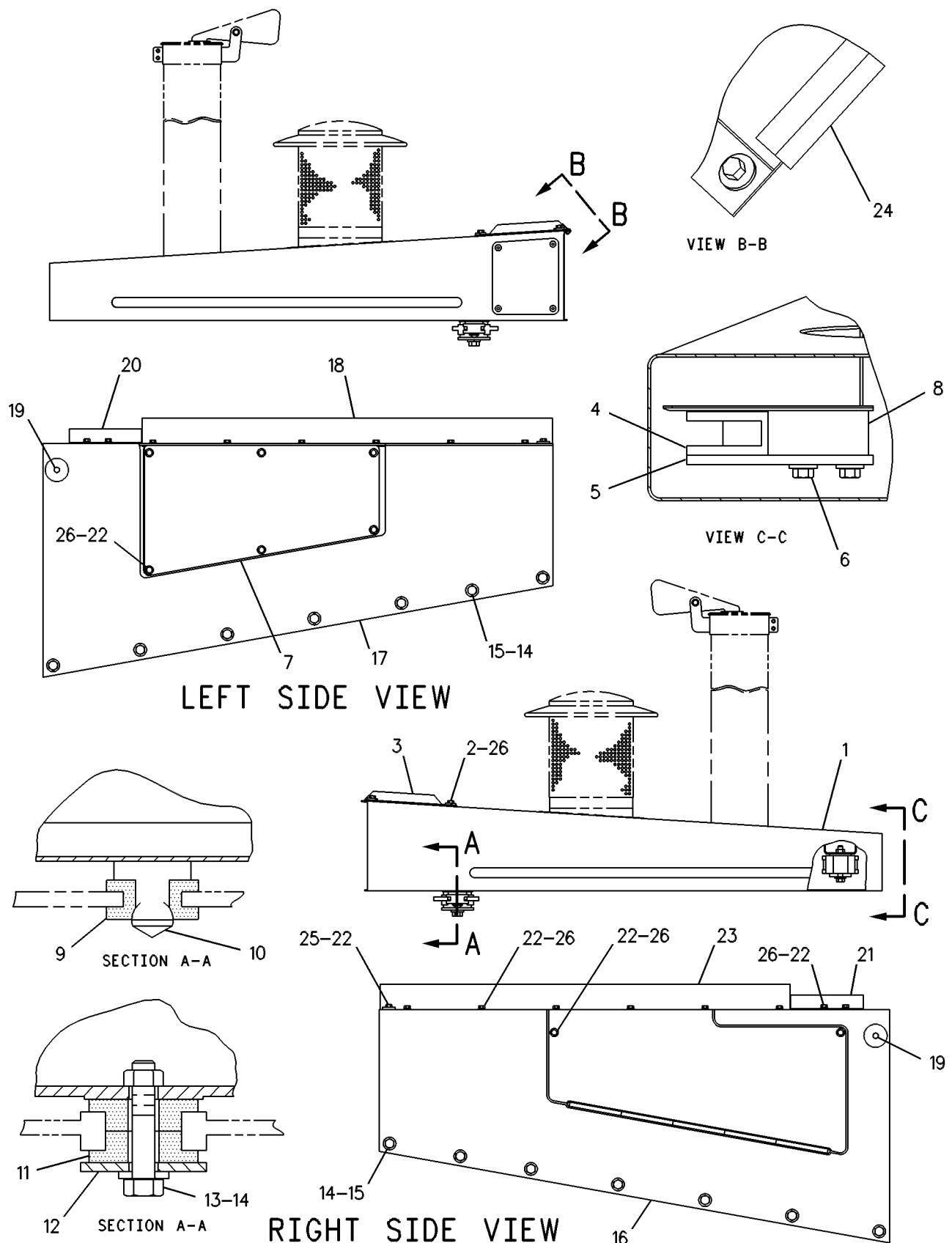
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		124-0233	1	HOOD AS						
	1		1F-0748	7	NUT-WELD (1/2-13 THD)						
	1		1F-0750	14	NUT-WELD (3/8-16 THD)						
	1		3J-5169	1	NUT (5/8-11 THD)						
	1		6G-0531	2	TUBE						
	1		9G-0558	4	STRIP						
2	1		5M-3062	6	BOLT (3/8-16X.750IN)						
3	1		8E-8380	1	COVER AS						
4	1		6T-9927	2	SLIDE						
5	1		6T-9929	2	PLATE						
6	1		7X-0328	4	BOLT (1/2-13X3.50IN)						
	1		5P-1076	4	WASHER-HARD (4MM THK)						
7	1		9W-3597	1	PLATE						
8	1		6T-9928	2	PLATE						
9	1		6T-9807	2	GROMMET						
10	1		6T-9808	2	SUPPORT						
11	1		9P-3066	2	MOUNTING						
12	1		6P-8269	1	WASHER						
13	1		8T-9396	1	BOLT (5/8-11X3.25IN)						
14	1		7X-0515	15	WASHER (5MM THK)						
15	1		7X-0344	14	BOLT (5/8-11X1.375IN)						
16	1		115-1964	1	PLATE AS-RH						
	1		9W-3603	1	PLATE						
	1		1F-0750	7	NUT-WELD (3/8-16 THD)						
17	1		115-1965	1	PLATE AS-LH						
	1		1F-0750	11	NUT-WELD (3/8-16 THD)						
	1		6K-2198	1	BOSS (3/8-16X.709IN OAL)						
18	1		7T-6814	1	PLATE AS						
	1		1F-0750	6	NUT-WELD (3/8-16 THD)						
19	1		9X-8266	2	WASHER						
	1		8T-2502	2	BOLT (3/8-16X1.13IN)						
20	1		114-2538	1	PLATE-LH						
21	1		114-0408	1	PLATE-RH						
22	1		4L-6454	28	BOLT (3/8-16X1.0IN)						
23	1		7T-6812	1	PLATE AS						
	1		1F-0750	6	NUT-WELD (3/8-16 THD)						
D	24	1	5P-7211		SEAL (.6M)						
	25	1	8T-4897	4	WASHER (6MM THK)						
	26	1	5P-1075	30	WASHER-HARD (3MM THK)						

D-ORDER BY THE METER

# FRAME AND BODY

113-2537 HOOD & GUARD GP (contd.)

i00570768



GRAPHIC #1

g00256964

# FRAME AND BODY

## 108-1731 LINER GP-SOUND SUPPRESSION

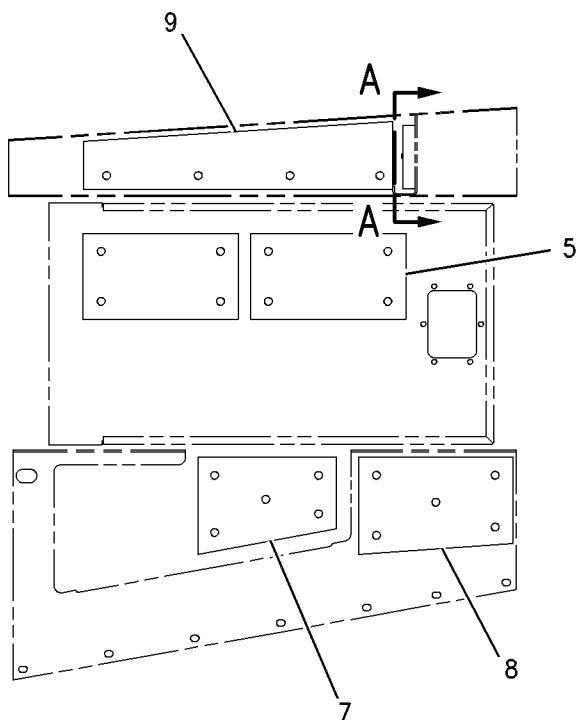
S/N: 9EM1-UP

PART OF 141-8019 SUPPRESSION AR-SOUND  
AN ATTACHMENT

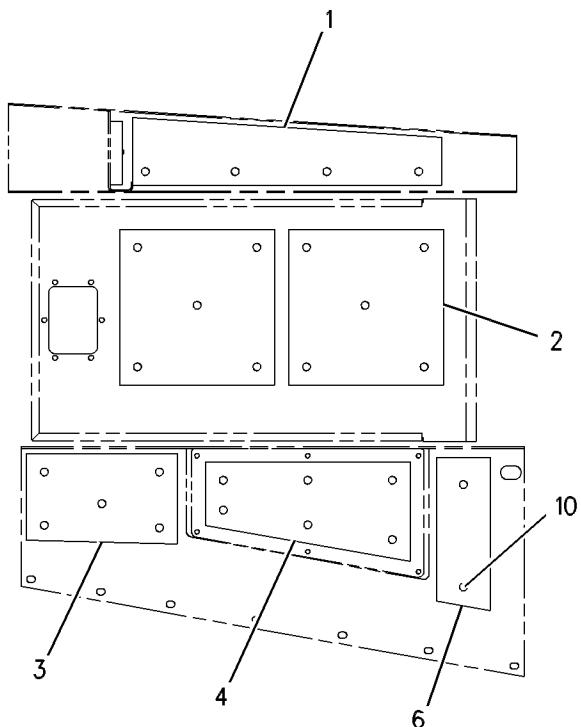
SMCS-7329

i01254965

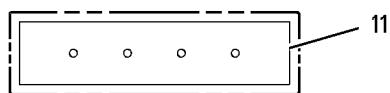
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
1	1		108-1732	1	LINER-LH							
2	1		108-1736	2	LINER							
3	1		108-1737	1	LINER							
4	1		131-0133	1	LINER							
5	1		108-1735	2	LINER							
6	1		108-1739	1	LINER							
7	1		108-1741	1	LINER							
8	1		108-1742	1	LINER							
9	1		115-1961	1	LINER-RH							
10	1		6P-2216	53	CAP-PUSH ON							
11	1		131-0135	1	LINER							



VIEW OF RIGHT SIDE



VIEW OF LEFT SIDE



VIEW A-A

GRAPHIC #1

g00467679

# FRAME AND BODY

## 6Y-0615 PLATE GP-HITCH

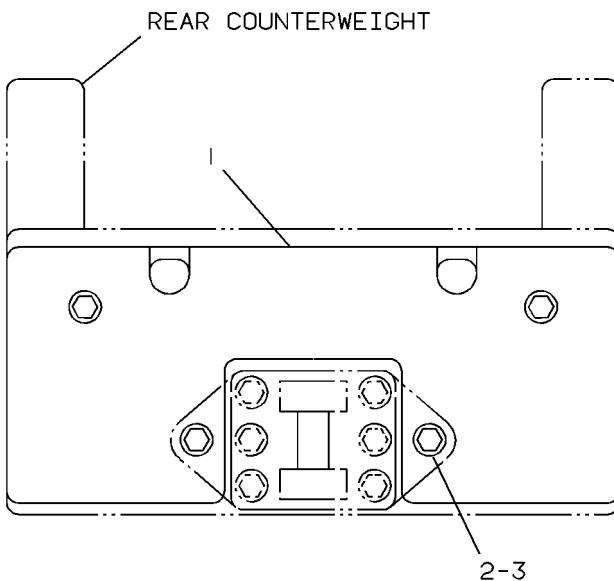
S/N: 9EH1-99999

AN ATTACHMENT

SMCS-7100

i01341117

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		6Y-0611	1	PLATE						
2	1		7X-0434	4	BOLT (1-1/4-7X8-1/2 IN)						
3	1		7X-0533	4	WASHER-HARD (6MM THK)						



GRAPHIC #1

g00188032

# FRAME AND BODY

**124-7562 STEP GP**

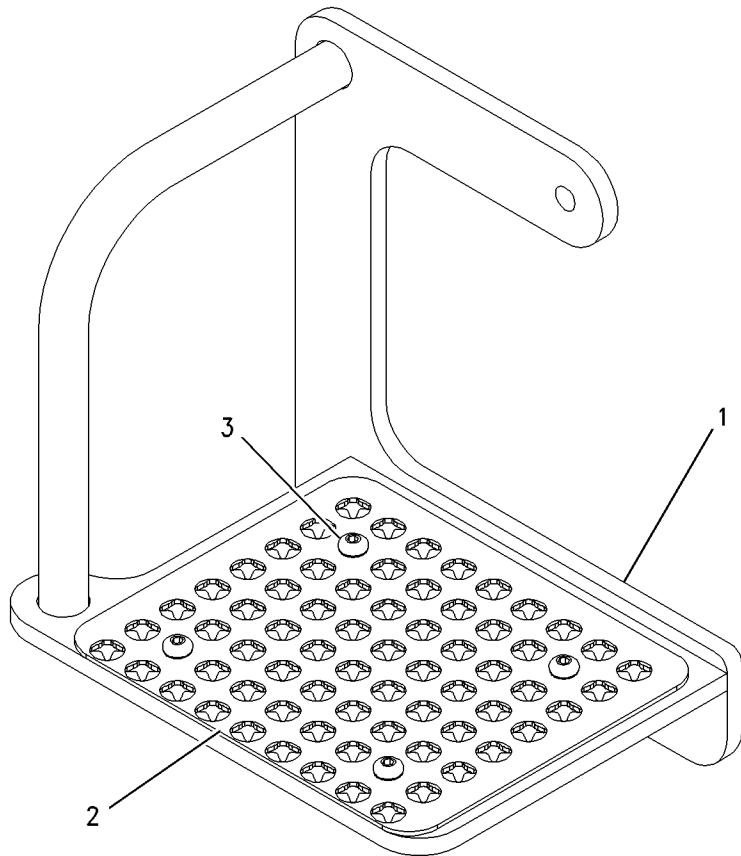
S/N: 9EM1-UP

PART OF 105-9803 GUARD GP-RADIATOR

SMCS-7254

i01655531

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		210-0779	1	STEP AS						
2	1		210-0782	1	PLATE						
3	1		6V-1193	4	SCREW-HEX SOCKET (3/8-16X.625 IN)						



GRAPHIC #1

g00819244

# FRAME AND BODY

## 150-1958 SWEEP GP

S/N: 9EM1-UP

PART OF 126-4186, 126-4197 LIGHTING AR  
AN ATTACHMENT

SMCS-7162

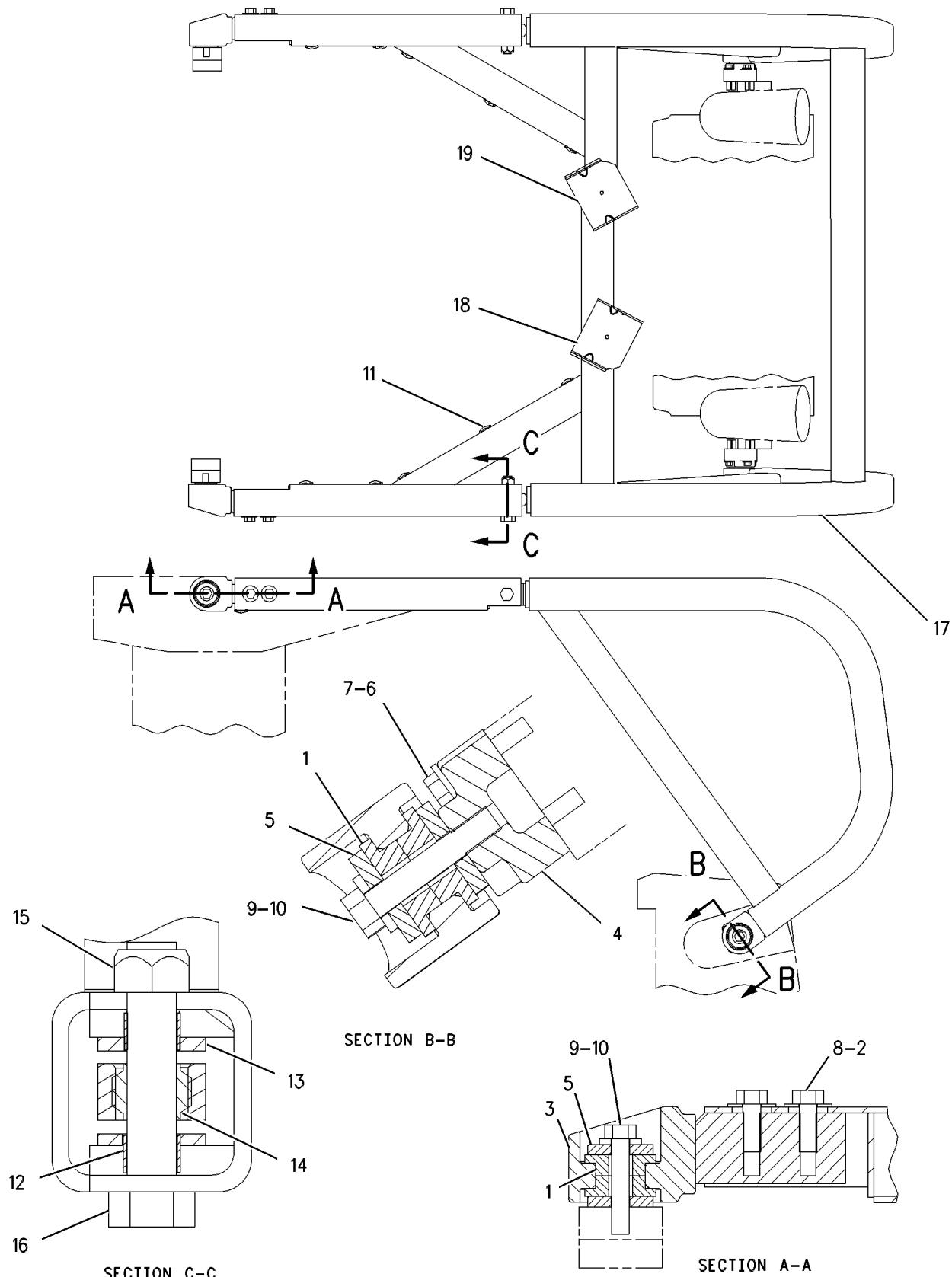
i01447081

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		6T-1698	8	MOUNTING						
2	1		7X-0564	4	WASHER-HARD (20X51X3MM THK)						
3	1		8E-6891	2	BLOCK AS						
4	1		8E-9532	2	SPACER						
5	1		150-1955	8	PLATE						
6	1		8T-9389	8	BOLT (1/2-13X2.75 IN)						
7	1		5P-1076	8	WASHER-HARD (13.5X30X4MM THK)						
8	1		7X-0366	4	BOLT (3/4-10X2 IN)						
9	1		7X-0582	4	WASHER-HARD (20X44.5X6MM THK)						
10	1		8C-8842	4	BOLT (3/4-10X4 IN)						
11	1		7T-1099	12	LINK						
12	1		1P-2772	4	SPACER (26X31X19MM THK)						
13	1		8P-5244	4	WASHER (33.3X69.8X6.35MM THK)						
14	1		9S-5187	2	MOUNTING						
15	1		6K-3632	2	LOCKNUT						
16	1		8C-8844	2	BOLT (1-8X5 IN)						
17	1		111-3265	1	GUARD AS						
18	1		1Q-3610	1	GUARD AS-RH						
19	1		1Q-3611	1	GUARD AS-LH						

# FRAME AND BODY

150-1958 SWEEP GP (*contd.*)

i01447081



GRAPHIC #1

g00466912

# UNDERCARRIAGE

## 126-7534 BAR AS - STRIKER

S/N: 9EH1-99999

PART OF 126-7537 BAR GP-STRIKER  
AN ATTACHMENT

SMCS-7180

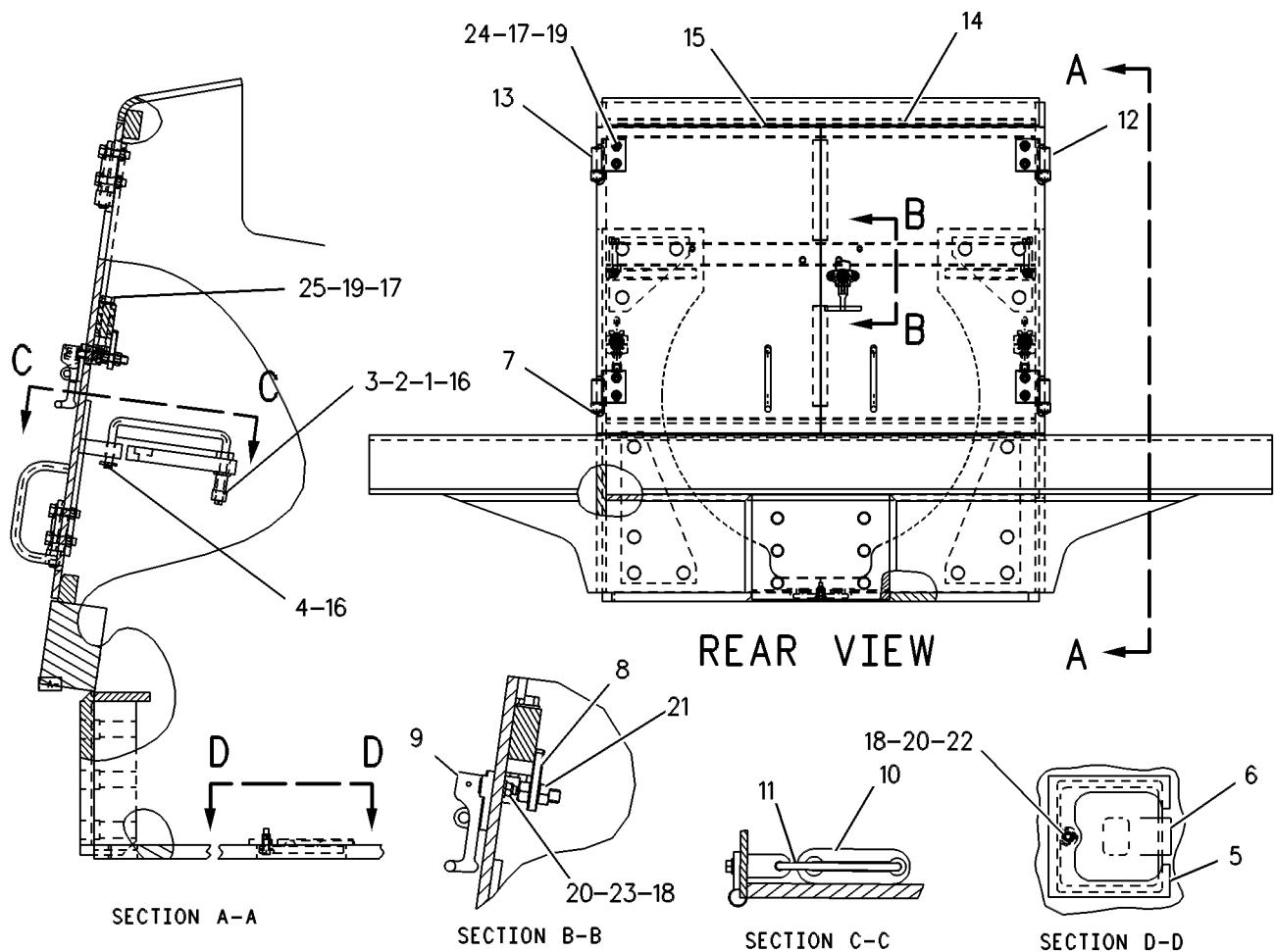
i01685787

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		1L-4418	2	SPRING-SHUTOFF						
2	1		1P-2841	2	SPACER (.531X1.0X.69MM THK)						
3	1		2K-8467	2	PIN-SPRING						
4	1		3B-4617	2	PIN-COTTER						
5	1		3T-9310	1	PLATE						
6	1		7G-6495	1	COVER						
7	1		8F-3556	4	SPACER (1.25IN OD)						
8	1		8T-1579	1	PAWL						
9	1		8Y-6400	1	LATCH GP						
10	1		9Z-9211	2	PLATE						
11	1		9Z-9214	2	ROD AS						
12	1		126-7535	2	HINGE AS (RH)						
13	1		126-7536	2	HINGE AS (LH)						
14	1		126-7584	1	DOOR AS (RH)						
15	1		126-7585	1	DOOR AS (LH)						
16	1		5P-1076	4	WASHER-HARD (13.5X30X4MM THK)						
17	1		8T-4223	10	WASHER-HARD (13.5X25.5X3MM THK)						
18	1		8T-4896	3	WASHER-HARD (10.2X18.5X2.5MM THK)						
19	1		1K-6872	10	LOCKNUT (1/2-13 THD)						
20	1		2K-4973	3	LOCKNUT (3/8-16 THD)						
21	1		8T-9496	2	LOCKNUT (9/16-18 THD)						
22	1		4L-9337	1	BOLT (3/8-16X1.5 IN)						
23	1		5S-7382	2	BOLT (3/8-16X1.375 IN)						
24	1		8T-8919	8	BOLT (1/2-13X1.75 IN)						
25	1		8T-9391	2	BOLT (1/2-13X3.75IN)						

# UNDERCARRIAGE

126-7534 BAR AS -STRIKER (contd.)

i01685787



GRAPHIC #1

g00465299

# UNDERCARRIAGE

## 126 - 7537 BAR GP - STRIKER

S/N: 9EH1-99999

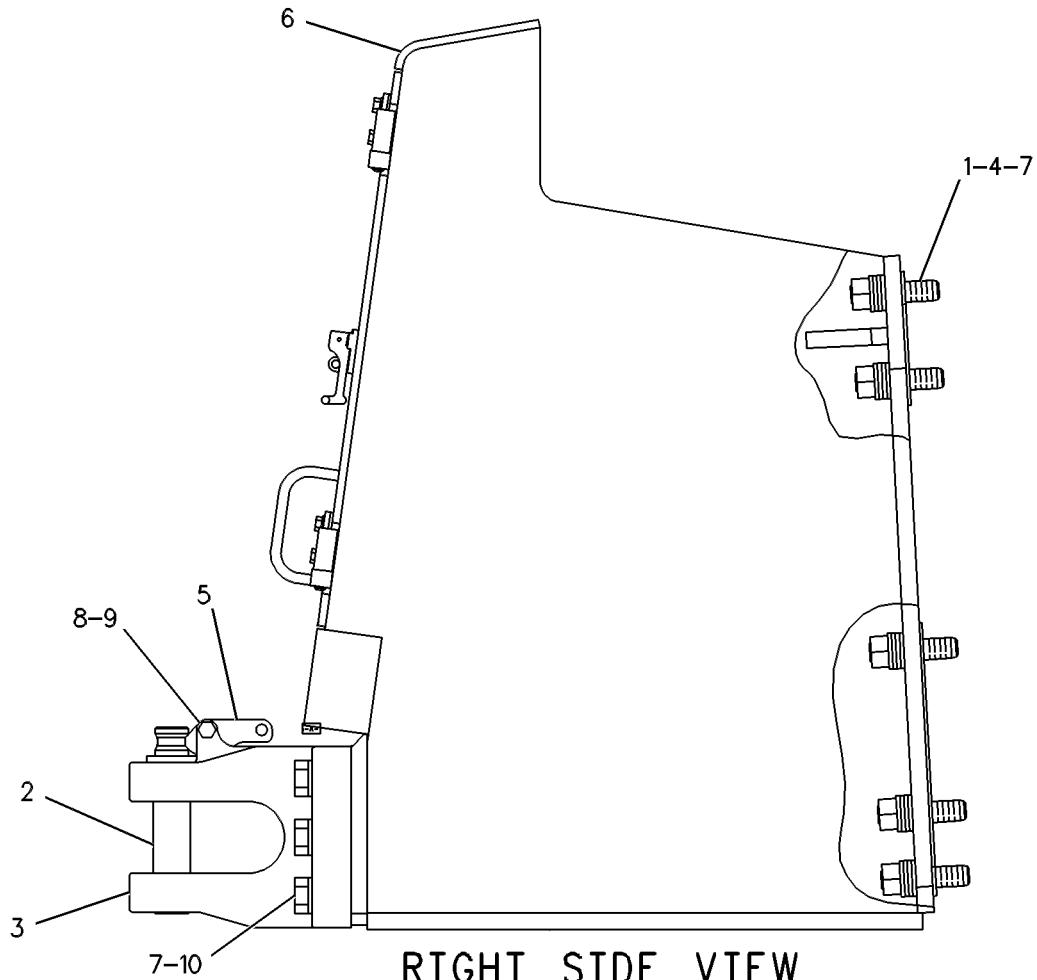
REAR ONLY  
AN ATTACHMENT

SMCS-7180

i01513192

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		7T-5790	14	STUD-TAPERLOCK	
2	1		1H-4106	1	PIN AS-DRAWBAR	
3	1		7G-6623	1	HITCH	
4	1		7H-7539	14	NUT-FULL (1-1/4-12 THD)	
5	1		8E-9289	1	LATCH	
Y	6	1	126-7534	1	BAR AS-STRIKER	628
7	1		7X-0533	62	WASHER-HARD (34X55X6MM THK)	
8	1		3K-2889	1	LOCKNUT (5/8-11 THD)	
9	1		7X-0349	1	BOLT (5/8-11X3 IN)	
10	1		7X-0431	6	BOLT (1-1/4-7X6 IN)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00251444

# UNDERCARRIAGE

## 9W-4477 CAP GP - TRACK IDLER

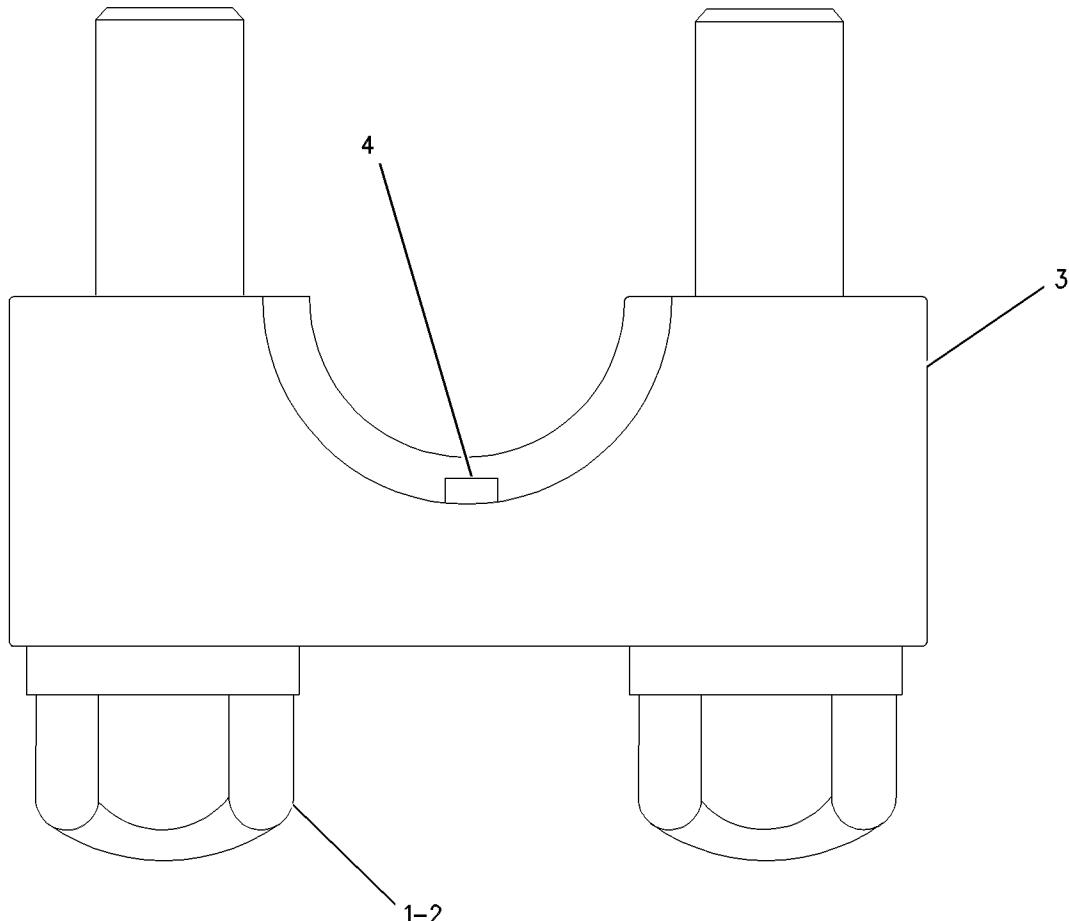
S/N: 9EM1-UP

PART OF 156-5684 UNDERCARRIAGE AR

SMCS-4159

i01065799

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		9W-4480	2	BOLT						
2	1		3S-1349	2	WASHER (6.0MM THK)						
3	1		131-1644	1	CAP AS-TRACK IDLER						
4	1		1T-0068	1	PIN-SPRING						



GRAPHIC #1

g00547754

# UNDERCARRIAGE

## 9W-9205 CAP GP - TRACK IDLER

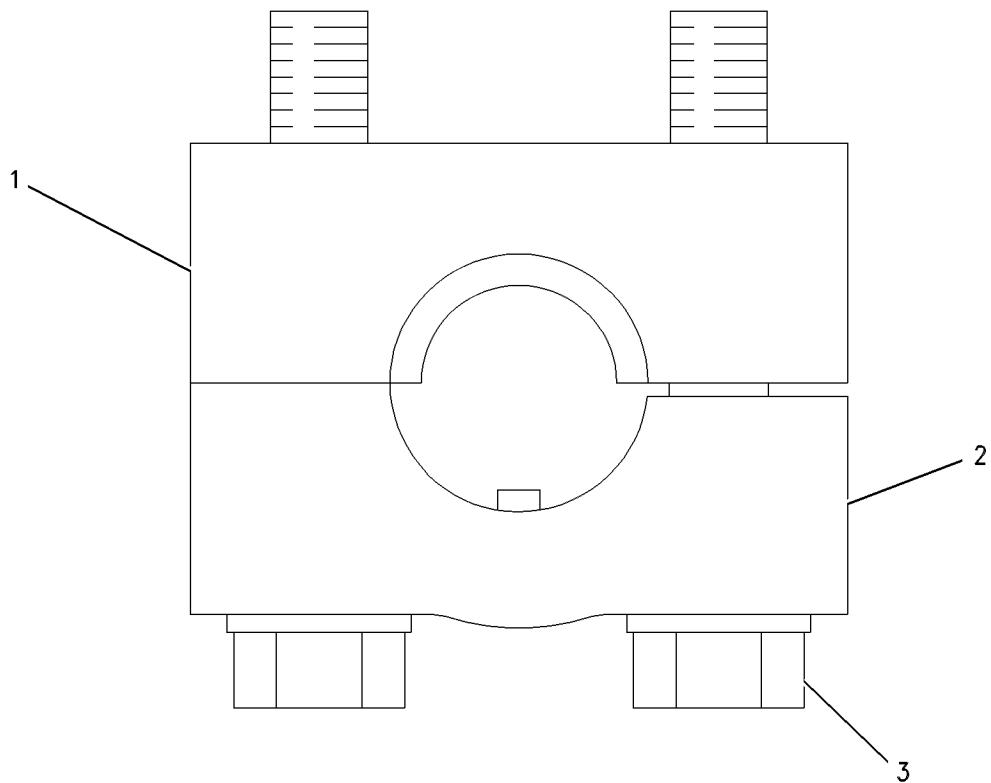
S/N: 9EM1-UP

PART OF 119-6395, 157-8036, 157-8037, 6Y-2585 UNDERCARRIAGE AR  
AN ATTACHMENT

SMCS-4159

i01502166

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		9W-7882	1	BLOCK-TRACK IDLER						
2	1		131-1645	1	CAP AS-TRACK IDLER						
	1		1T-0068	1	PIN-SPRING						
3	1		8T-4934	2	BOLT (1-1/8-7 THD)						
	1		3S-1349	2	WASHER-HARD (31X52.5X6MM THK)						



GRAPHIC #1

g00559307

# UNDERCARRIAGE

## 9W-9206 CAP GP - TRACK IDLER

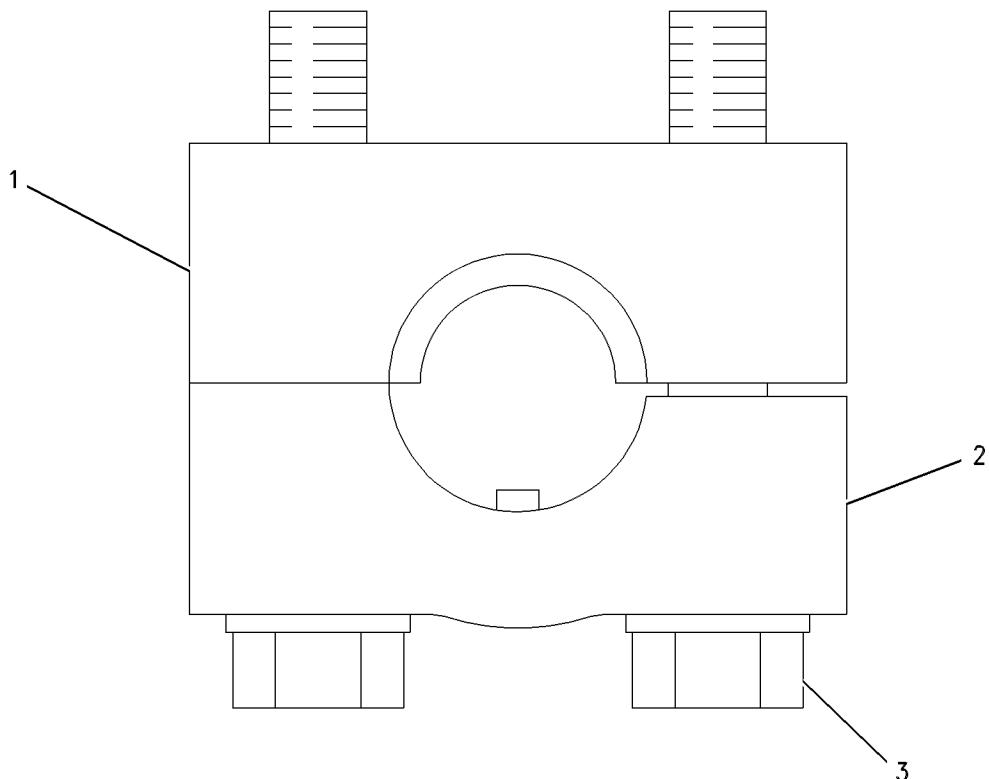
S/N: 9EM1-UP

PART OF 119-6395, 157-8036, 157-8037, 6Y-2585 UNDERCARRIAGE AR  
AN ATTACHMENT

SMCS-4159

i01323350

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		9W-7882	1	BLOCK - TRACK IDLER						
2	1		131-1646	1	CAP AS - TRACK IDLER						
	1		1T-0068	1	PIN - SPRING						
3	1		8T-4934	2	BOLT						
	1		3S-1349	2	WASHER (6.0MM THK)						



GRAPHIC #1

g00559307

# UNDERCARRIAGE

## 6T-1142 CAP GP-TRACK ROLLER

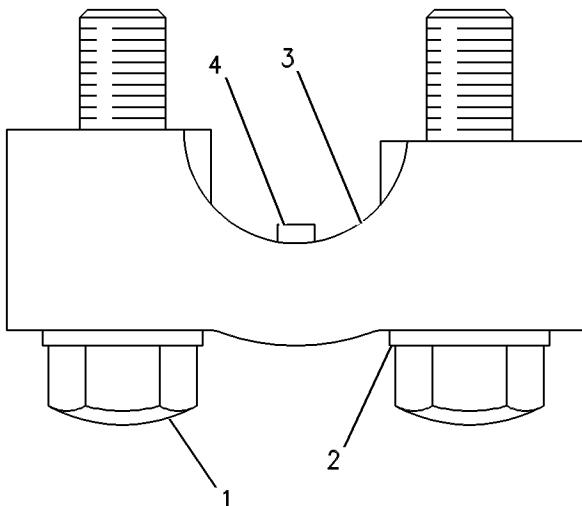
S/N: 9EM1213-UP

PART OF 180-3489 ROLLER AR-TRACK CARRIER, 119-6395, 156-5684, 157-8037  
UNDERCARRIAGE AR  
ALSO AN ATTACHMENT

SMCS-4180

i01323344

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		6T-1140	2	BOLT -ROLLER MOUNTING						
2	1		5P-8249	2	WASHER-HARD (4.0MM THK)						
3	1		131-1651	1	CAP AS-TRACK ROLLER						
4	1		1T-0068	1	PIN-SPRING						



GRAPHIC #1

g00465296

# UNDERCARRIAGE

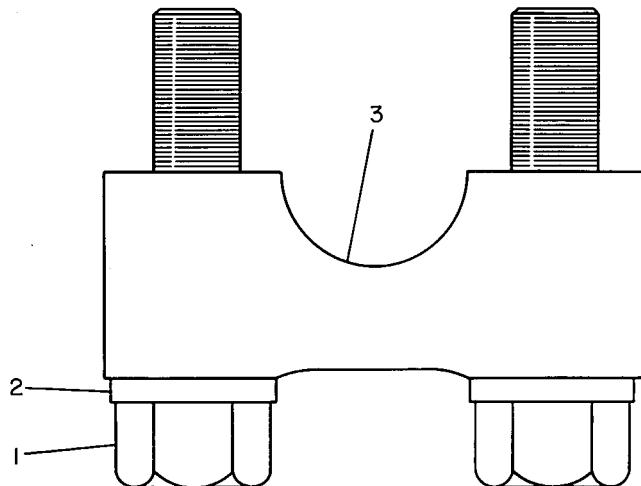
## 7G-0179 CAP GP - TRACK ROLLER

S/N: 9EM1-1212

SMCS-4180

i00570826

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		6T-1140	2	BOLT-ROLLER MOUNTING						
2	1		5P-8249	2	WASHER (4.0MM THK)						
3	1		7G-0180	1	CAP AS-TRACK ROLLER						
	1		1T-0068	1	PIN-SPRING						



GRAPHIC #1

g00165302

# UNDERCARRIAGE

## 126-4233 CAP GP - TRACK ROLLER

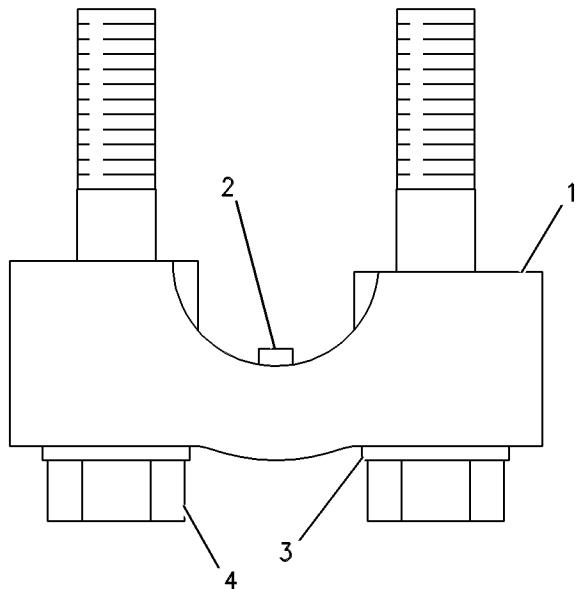
S/N: 9EM1-UP

PART OF 119-6395, 157-8036, 157-8037, 6Y-2585 UNDERCARRIAGE AR  
AN ATTACHMENT

SMCS-4180

i01323441

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		131-1651	1	CAP AS-TRACK ROLLER						
2	1		1T-0068	1	PIN-SPRING						
3	1		5P-8249	2	WASHER-HARD (4.0MM THK)						
4	1		9S-1351	2	BOLT (7/8-9X5 IN)						



GRAPHIC #1

g00471931

# UNDERCARRIAGE

## 127-8778 EQUALIZER BAR AS

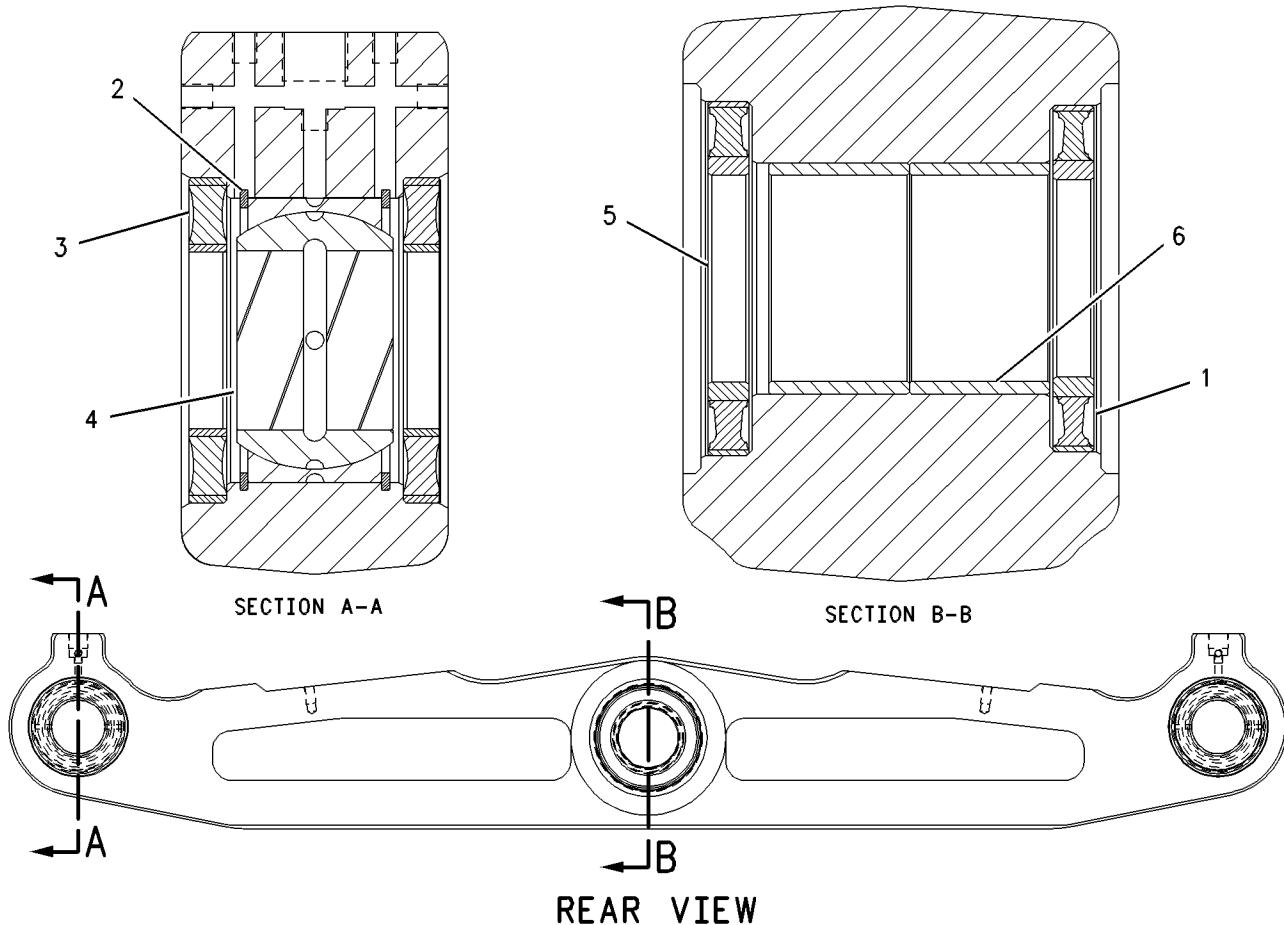
S/N: 9EM1-UP

PART OF 127-8779 EQUALIZER BAR GP  
ALSO AN ATTACHMENT

SMCS-7206, 7207, 7210

i01502168

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		7G-8666	1	SEAL AS (79.87MM ID)	
2	1		5L-4751	4	RING-RETAINING	
3	1		9X-7505	4	SEAL AS	
4	1		117-4013	2	BEARING-SELF ALIGNING	
5	1		7G-8664	1	SEAL (80.46MM ID)	
6	1		130-3139	2	BEARING-SLEEVE	



GRAPHIC #1

g00492546

# UNDERCARRIAGE

## 7T-2537 EQUALIZER BAR GP

S/N: 9EM1-364

SMCS-7206, 7207, 7210

i00571176

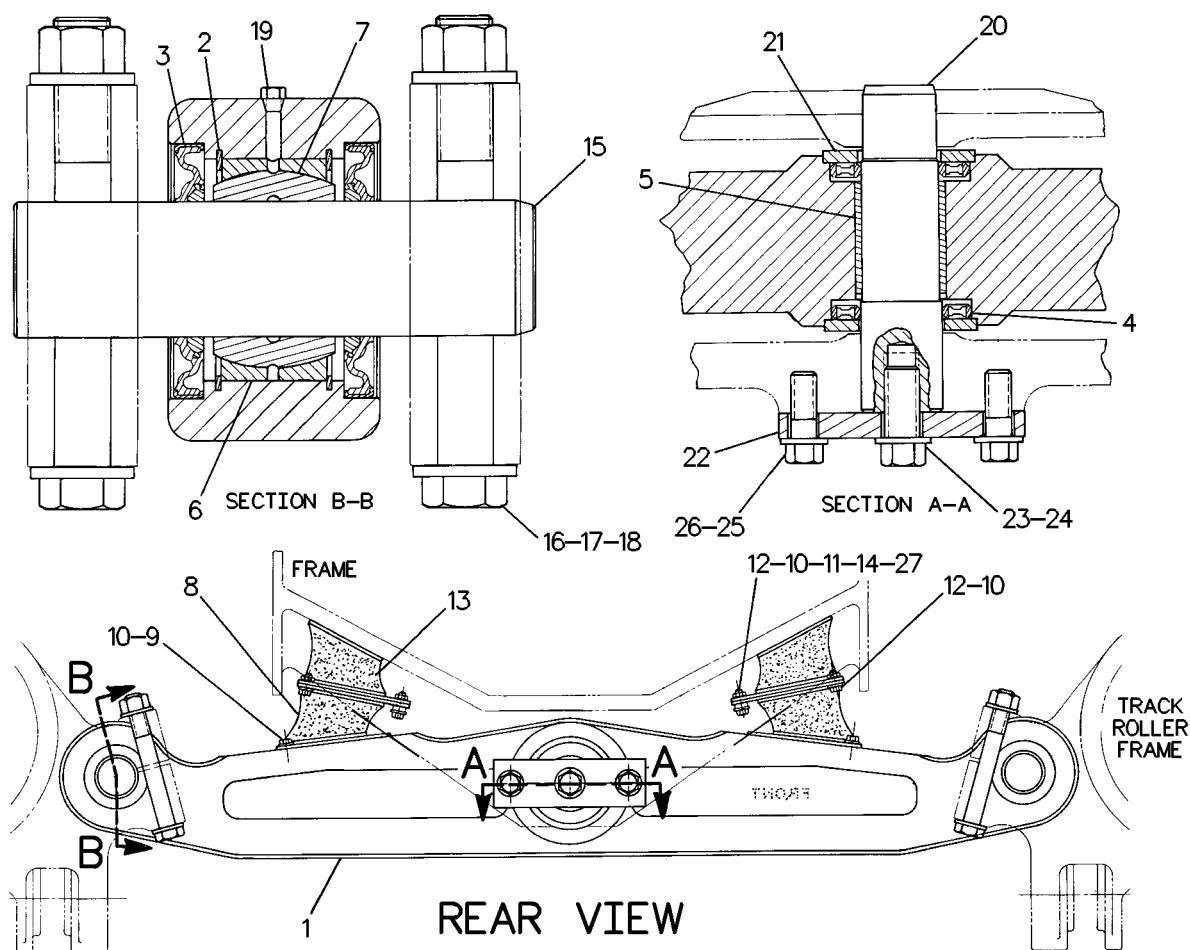
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		7T-1854	1	EQUALIZER BAR AS						
2	1		5L-4751	4	RING-RETAINING						
3	1		8E-5450	4	SEAL						
4	1		7G-8664	1	SEAL (LARGE)						
	1		7G-8666	1	SEAL (SMALL)						
5	1		3T-5295	1	BEARING-SLEEVE						
6	1		3T-4616	4	CUP-SPHERICAL						
7	1		3T-4615	2	BUSHING-SPHERICAL						
C	8	1	6Y-9508	2	PAD AS						
C	9	1	5C-6565	8	BOLT (1/2-13X1.25IN)						
C	10	1	8T-4223	16	WASHER-HARD (3MM THK)						
C	11	1	5P-1076	4	WASHER-HARD (4MM THK)						
C	12	1	6V-8188	8	NUT (1/2-13 THD)						
C	13	1	6Y-9509	2	PAD AS						
C	14	1	8F-4028	4	SPACER						
	15	1	7T-4865	2	PIN						
	16	1	2M-3530	4	BOLT						
C	17	1	7X-0531	8	WASHER-HARD (6.0MM THK)						
	18	1	3S-1356	4	NUT-FULL (1-1/8-12 THD)						
	19	1	5M-6214	2	PLUG-PIPE (1/8-27 THD)						
	20	1	6Y-3545	1	PIN						
	21	1	3T-5294	2	SPACER						
	22	1	9P-6911	1	PLATE						
	23	1	7F-6112	1	BOLT (1 1/4-12X3IN)						
C	24	1	7X-0533	1	WASHER-HARD (6MM THK)						
	25	1	2H-3745	2	BOLT (1-14X2.75IN)						
C	26	1	8T-5361	2	WASHER (5MM THK)						
	27	1	8T-8917	4	BOLT (1/2-13X1.25IN)						

C-CHANGE FROM PREVIOUS TYPE

# UNDERCARRIAGE

7T-2537 EQUALIZER BAR GP (*contd.*)

i00571176



GRAPHIC #1

g00214825

# UNDERCARRIAGE

## 127-8779 EQUALIZER BAR GP

S/N: 9EM365-UP

PART OF 119-6395, 156-5684, 157-8036, 157-8037, 6Y-2585 UNDERCARRIAGE AR  
ALSO AN ATTACHMENT

**SMCS-7206, 7207, 7210**

**i01502167**

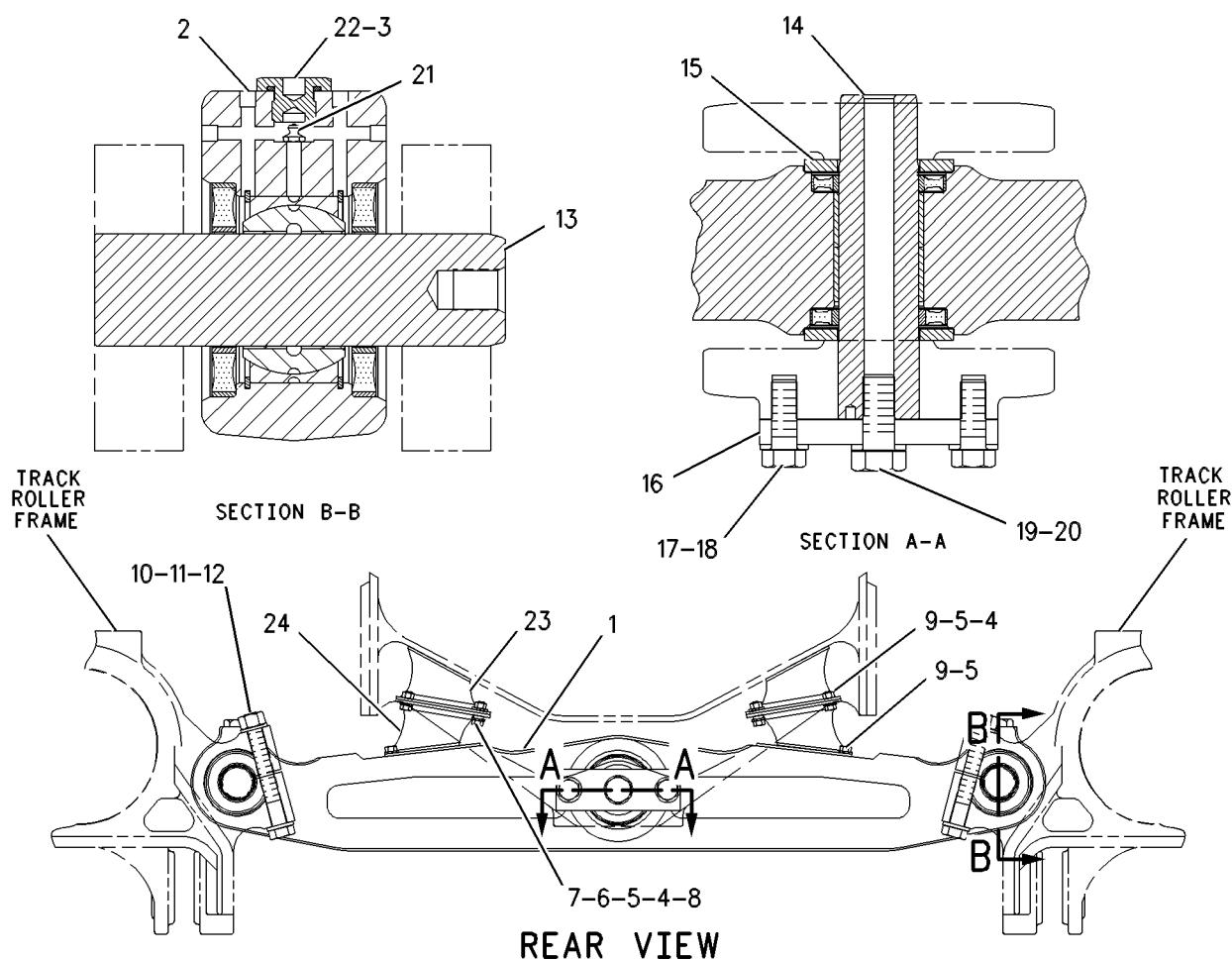
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
Y	1	1	127-8778	1	EQUALIZER BAR AS							637
	2	1	<b>2F-5326</b>	8	SETSCREW							
	3	1	<b>5F-1678</b>	2	SEAL-O-RING							
	4	1	<b>6V-8188</b>	8	NUT (1/2-13 THD)							
	5	1	<b>8T-4223</b>	16	WASHER-HARD (13.5X25.5X3MM THK)							
	6	1	<b>5P-1076</b>	4	WASHER-HARD (13.5X30X4MM THK)							
	7	1	<b>8F-4028</b>	4	SPACER							
	8	1	<b>8T-8917</b>	4	BOLT (1/2-13X1.25 IN)							
	9	1	<b>5C-6565</b>	8	BOLT (1/2-13X1.25 IN)							
	10	1	<b>7X-0531</b>	8	WASHER-HARD (31X52.5X6MM THK)							
	11	1	<b>2M-3530</b>	4	BOLT							
	12	1	<b>3S-1356</b>	4	NUT-FULL (1-1/8-12 THD)							
	13	1	<b>7T-4865</b>	2	PIN							
	14	1	<b>6Y-3545</b>	1	PIN							
	15	1	<b>3T-5294</b>	2	SPACER							
	16	1	<b>9P-6911</b>	1	PLATE							
	17	1	<b>2H-3745</b>	2	BOLT (1-14X2.75 IN)							
	18	1	<b>8T-5361</b>	2	WASHER-HARD (28X49X5MM THK)							
	19	1	<b>7F-6112</b>	1	BOLT (1 1/4-12X3 IN)							
	20	1	<b>7X-0533</b>	1	WASHER-HARD (34X55X6MM THK)							
	21	1	<b>3B-8489</b>	2	FITTING-GREASE							
	22	1	<b>133-5631</b>	2	PLUG							
	23	1	<b>6Y-9509</b>	2	PAD AS							
	24	1	<b>6Y-9508</b>	2	PAD AS							

Y - SEPARATE ILLUSTRATION

# UNDERCARRIAGE

**127-8779 EQUALIZER BAR GP (contd.)**

i01502167



## GRAPHIC #1

g00492493

# UNDERCARRIAGE

## 170-5758 FRAME AS - TRACK ROLLER

S/N: 9EM1213-UP

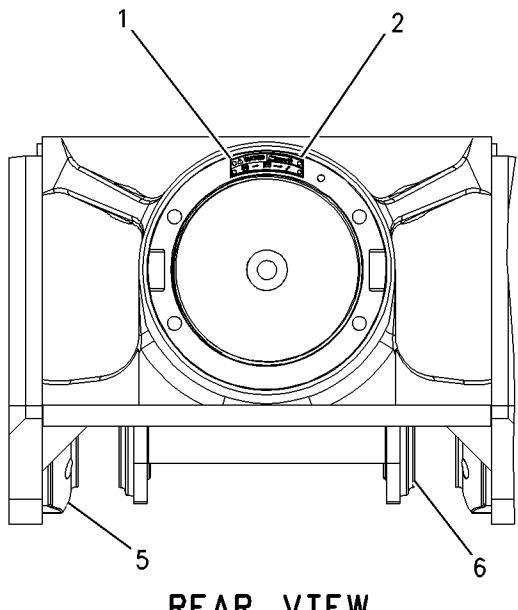
PART OF 116-1301 WASTE HANDLING AR  
AN ATTACHMENT

SMCS-4151

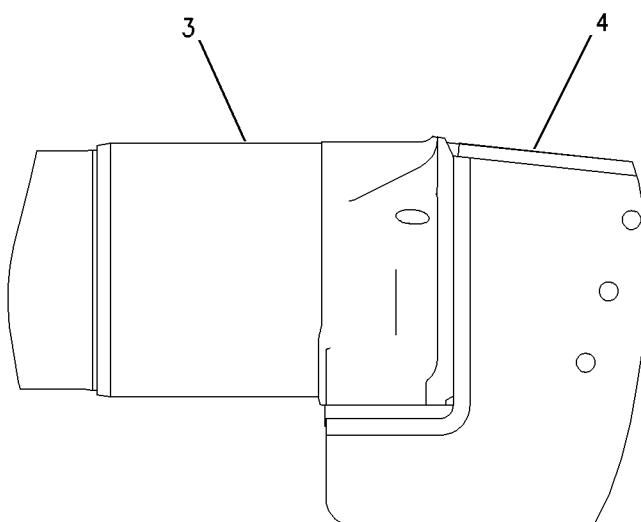
i01488512

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		4B-4158	4	SCREW-DRIVE (3/16X0.25 IN)						
2	1		6V-2226	1	PLATE-WARNING (RECOIL SPRING)						
3	1		154-9838	1	SLEEVE						
Z	4	1		1	FRAME AS-FRONT						
5	1		6T-3793	2	SUPPORT						
6	1		9P-5708	2	SUPPORT						

Z-NOT SERVICED SEPARATELY



REAR VIEW



RIGHT SIDE VIEW

GRAPHIC #1

g00741147

# UNDERCARRIAGE

## 9W-2411 FRAME GP - TELESCOPING RECOIL

S/N: 9EM1-899

SMCS-4151

i00815719

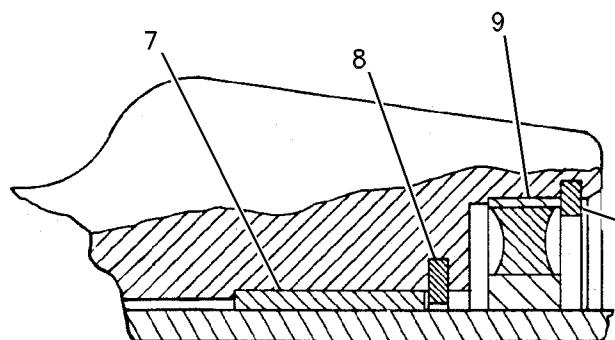
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		9W-2229	1	FRAME AS-ROLLER-RH	
2	1		9W-2230	1	FRAME AS-ROLLER-LH	
3	1		4T-2069	6	PLUG-DRAIN	
	1		2H-3932	6	SEAL (28.17MM ID)	
4	1		5Y-2447	1	COVER AS-RH	
	1		5Y-2448	1	COVER AS-LH	
	1		9M-3786	2	SEAL-O-RING (139.06MM ID)	
5	1		4L-6454	8	BOLT (3/8-16X1.0IN)	
	1		8T-4896	8	WASHER-HARD (2.5MM THK)	
6	1		9W-2231	2	FRAME AS-FRONT (EACH INCLUDES)	
	1		9W-0709	1	BEARING-SLEEVE	
	1		6V-2226	1	PLATE-WARNING	
	1		4B-4158	4	SCREW-DRIVE	
7	1		7G-7379	2	BEARING	
8	1		3T-5898	2	RING-RETAINING	
9	1		9X-4584	2	SEAL AS	
10	1		9W-3301	2	RING-RETAINING	
11	1		7X-0345	24	BOLT (5/8-11X1.75IN)	
	1		8T-4122	24	WASHER (3.5MM THK)	
12	1		2K-4472	4	SEAL-O-RING (158.34MM ID)	
13	1		6V-9203	4	FILM-WARNING	
14	1		6P-8931	4	COVER	
15	1		6T-7445	4	GUIDE	
16	2		6V-3263	2	SEAL-O-RING (304.17MM ID)	
17	2		7T-1149	2	RETAINER AS (EACH INCLUDES)	
18	2		7T-1150	1	RETAINER	
19	2		7T-1151	1	SEAL	
20	2		7T-1152	1	RETAINER	
21	2		7T-1153	1	PLATE	
22	2		5P-2424	16	BOLT (1/2-13X2.25IN)	
23	2		8T-4223	32	WASHER-HARD (3MM THK)	
24	2		8C-4436	16	BOLT (1/2-13X1.375IN)	
25	2		5P-5374	2	SEAL-O-RING	
26	2		3T-4243	2	BEARING	
27	2		8E-2837	1	SHAFT-PIVOT	
28	2		3T-4244	2	BEARING	
29	2		8E-0719	2	RING-THRUST	
30	2		8E-2898	2	PLATE	
31	2		8S-2331	24	BOLT-12 POINT HEAD	
32	2		8E-2899	2	PLATE	
33	2		2D-1690	2	SEAL-RING	
34	2		9S-8009	2	PLUG-O-RING (1 3/16-12 THD)	
	2		4K-1388	2	SEAL-O-RING (26.59MM ID)	
35	2		8T-2502	2	BOLT (3/8-16X1.13IN)	
	2		7T-6079	2	SPACER	

# UNDERCARRIAGE

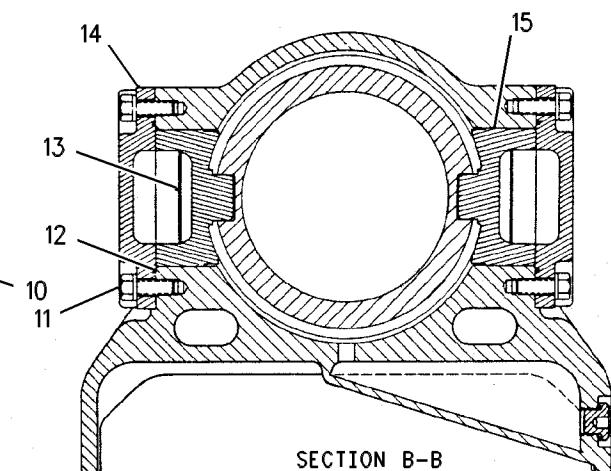
9W-2411 FRAME GP - TELESCOPING RECOIL (*contd.*)

i00815719

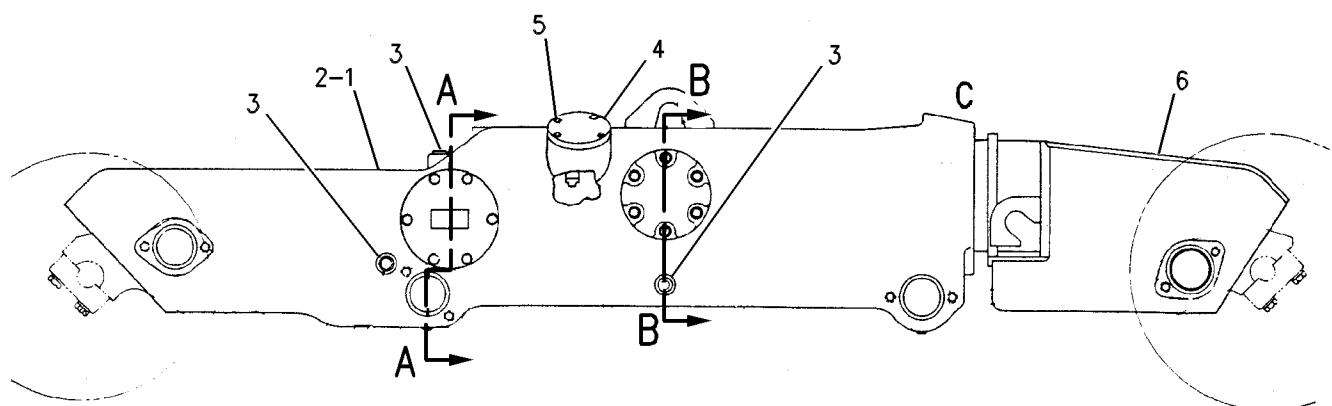
REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS



SECTION OF AREA C



SECTION B-B



RIGHR SIDE VIEW

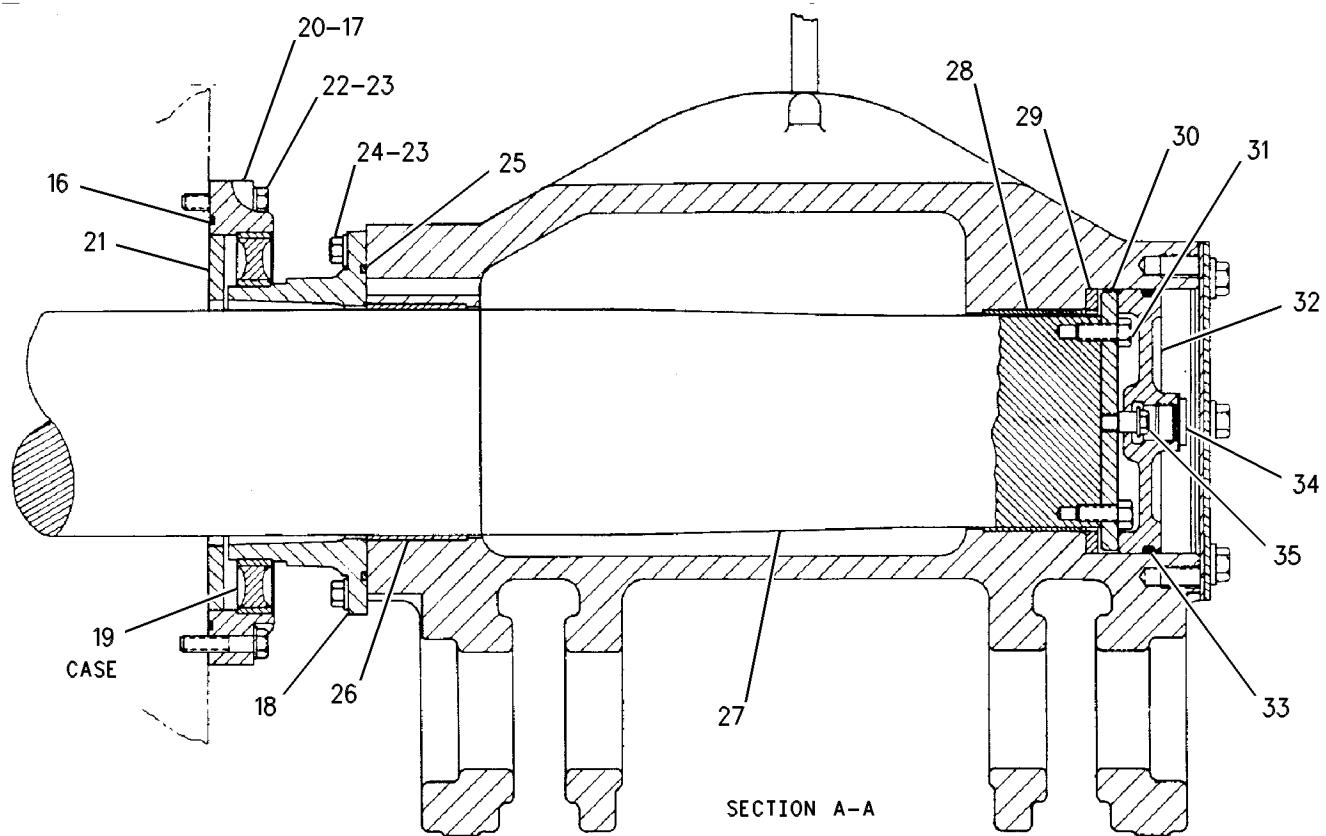
GRAPHIC #1

g00377688

# UNDERCARRIAGE

9W-2411 FRAME GP - TELESCOPING RECOIL (*contd.*)

i00815719



GRAPHIC #2

g00377691

# UNDERCARRIAGE

## 9W-2411 FRAME GP - TELESCOPING RECOIL

S/N: 9EM900-1212

SMCS-4151

i01327855

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		<b>9W-2229</b>	1	FRAME AS-ROLLER-RH	
2	1		<b>9W-2230</b>	1	FRAME AS-ROLLER-LH	
3	1		<b>4T-2069</b>	6	PLUG-DRAIN	
	1		<b>2H-3932</b>	6	SEAL (28.17MM ID)	
4	1		<b>9W-2466</b>	1	COVER AS-RH	
	1		<b>9W-4813</b>	1	COVER AS-LH	
	1		<b>9M-3786</b>	2	SEAL-O-RING (139.06MM ID)	
5	1		<b>4L-6454</b>	8	BOLT (3/8-16X1 IN)	
	1		<b>8T-4896</b>	8	WASHER-HARD (10.2X18.5X2.5MM THK)	
C	6	1	<b>176-6759</b>	2	FRAME AS-FRONT (EACH INCLUDES)	
	1		<b>154-9838</b>	1	SLEEVE	
	1		<b>6V-2226</b>	1	PLATE-WARNING (RECOIL SPRING)	
	1		<b>4B-4158</b>	4	SCREW-DRIVE (3/16 X 1/4 IN)	
7	1		<b>7G-7379</b>	2	BEARING	
8	1		<b>3T-5898</b>	2	RING-RETAINING	
9	1		<b>9X-4584</b>	2	SEAL AS	
10	1		<b>9W-3301</b>	2	RING-RETAINING	
11	1		<b>7X-0345</b>	24	BOLT (5/8-11X1.75 IN)	
	1		<b>8T-4122</b>	24	WASHER (3.5MM THK)	
12	1		<b>2K-4472</b>	4	SEAL-O-RING (158.34MM ID)	
13	1		<b>6T-8258</b>	4	FILM-WARNING	
14	1		<b>6P-8931</b>	4	COVER	
15	1		<b>6T-8801</b>	4	GUIDE AS	
16	2		<b>6V-3263</b>	2	SEAL-O-RING (304.17MM ID)	
17	2		<b>7T-1149</b>	2	RETAINER AS (EACH INCLUDES)	
18	2		<b>7T-1150</b>	1	RETAINER	
19	2		<b>7T-1151</b>	1	SEAL	
20	2		<b>7T-1152</b>	1	RETAINER	
21	2		<b>7T-1153</b>	1	PLATE	
22	2		<b>5P-2424</b>	16	BOLT (1/2-13X2.25 IN)	
23	2		<b>8T-4223</b>	32	WASHER-HARD (3MM THK)	
24	2		<b>8C-4436</b>	16	BOLT (1/2-13X1.375 IN)	
25	2		<b>5P-5374</b>	2	SEAL-O-RING (227.97MM ID)	
26	2		<b>3T-4243</b>	2	BEARING	
27	2		<b>8E-2837</b>	1	SHAFT-PIVOT	
28	2		<b>3T-4244</b>	2	BEARING	
29	2		<b>8E-0719</b>	2	RING-THRUST	
30	2		<b>8E-2898</b>	2	PLATE	
31	2		<b>8S-2331</b>	24	BOLT-12 POINT HEAD (5/8-11 X 2 IN)	
32	2		<b>8E-2899</b>	2	PLATE	
33	2		<b>2D-1690</b>	2	SEAL-RING	
34	2		<b>9S-8009</b>	2	PLUG-O-RING (1 3/16-12 THD)	
	2		<b>4K-1388</b>	2	SEAL-O-RING (26.59MM ID)	
35	2		<b>8T-2502</b>	2	BOLT (3/8-16X1.125 IN)	
	2		<b>7T-6079</b>	2	SPACER	

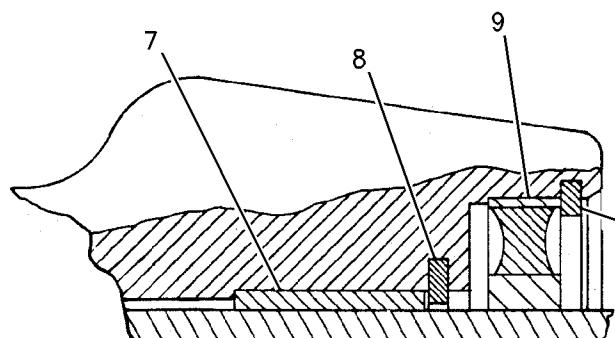
C-CHANGE FROM PREVIOUS TYPE

# UNDERCARRIAGE

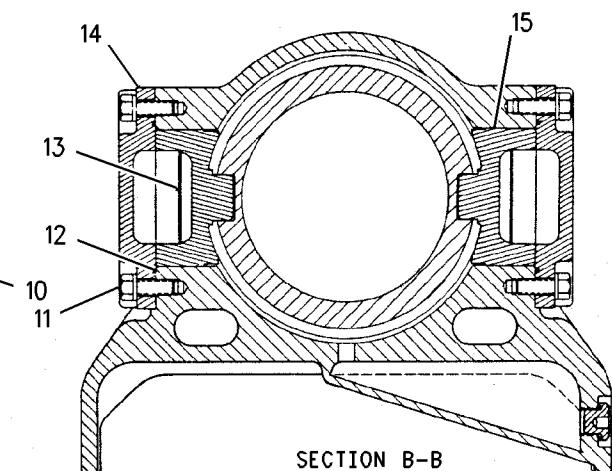
9W-2411 FRAME GP - TELESCOPING RECOIL (*contd.*)

i01327855

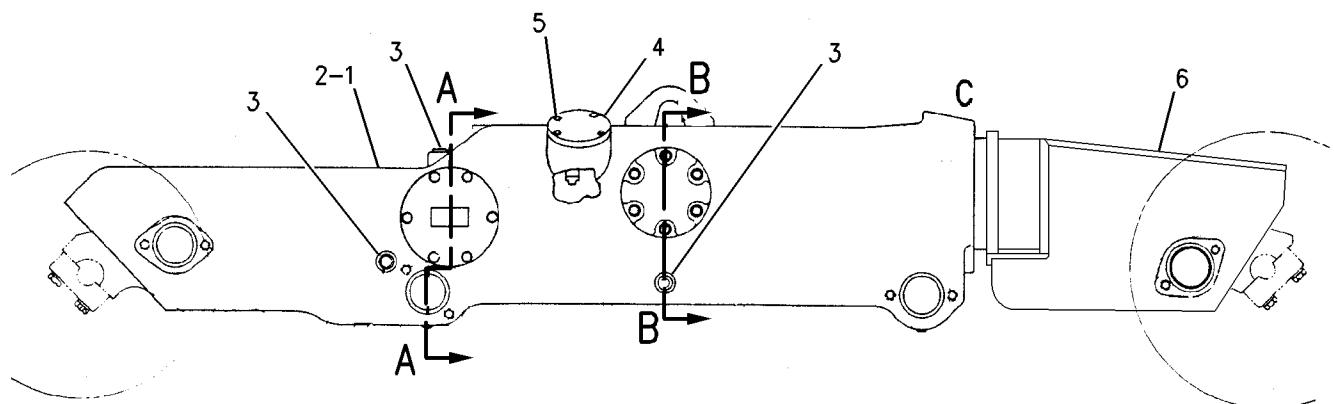
REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS



SECTION OF AREA C



SECTION B-B



RIGHR SIDE VIEW

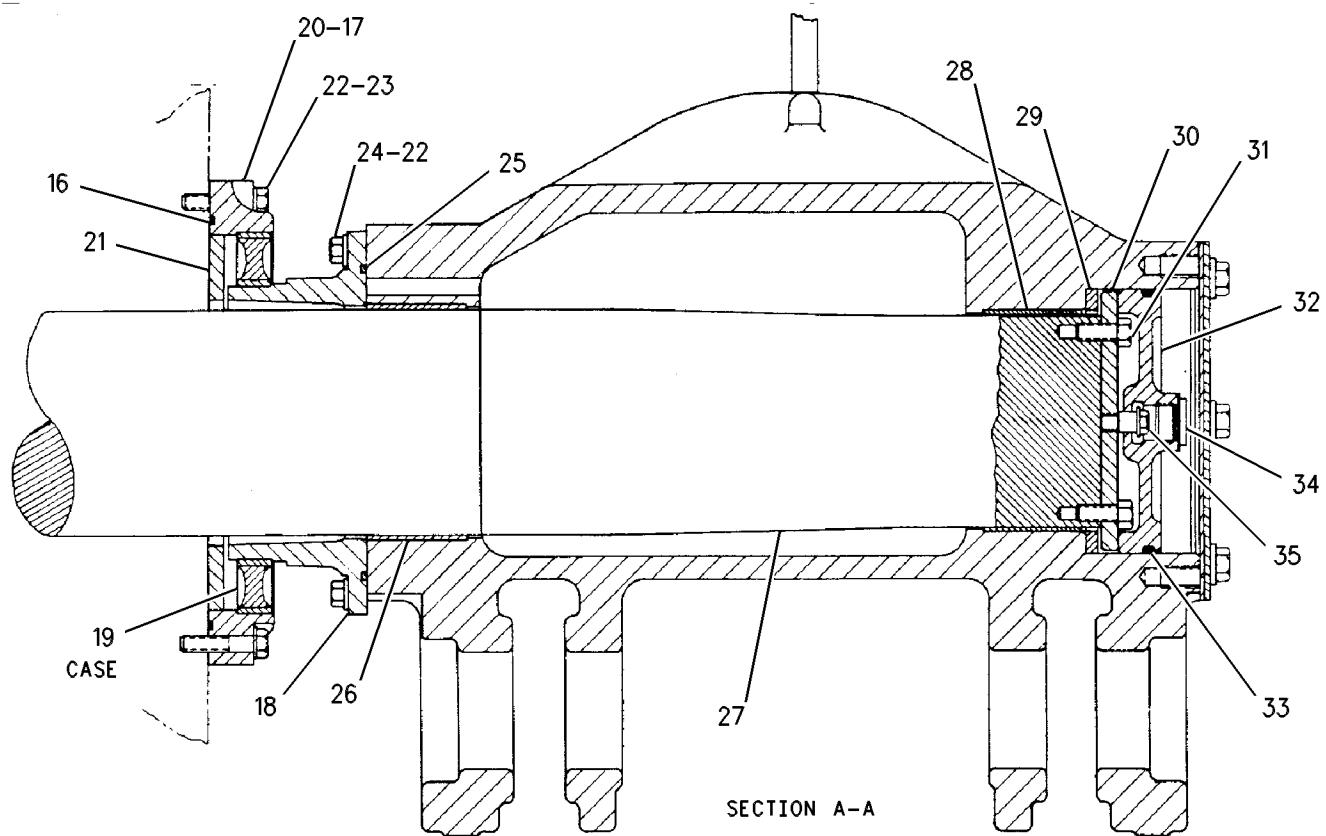
GRAPHIC #1

g00701160

# UNDERCARRIAGE

9W-2411 FRAME GP - TELESCOPING RECOIL (*contd.*)

i01327855



GRAPHIC #2

g00377690

# UNDERCARRIAGE

## 9W-7552 FRAME GP - TELESCOPING RECOIL

S/N: 9EM1-UP

PART OF 6Y-2585 UNDERCARRIAGE AR  
AN ATTACHMENT

SMCS-4151

i01504268

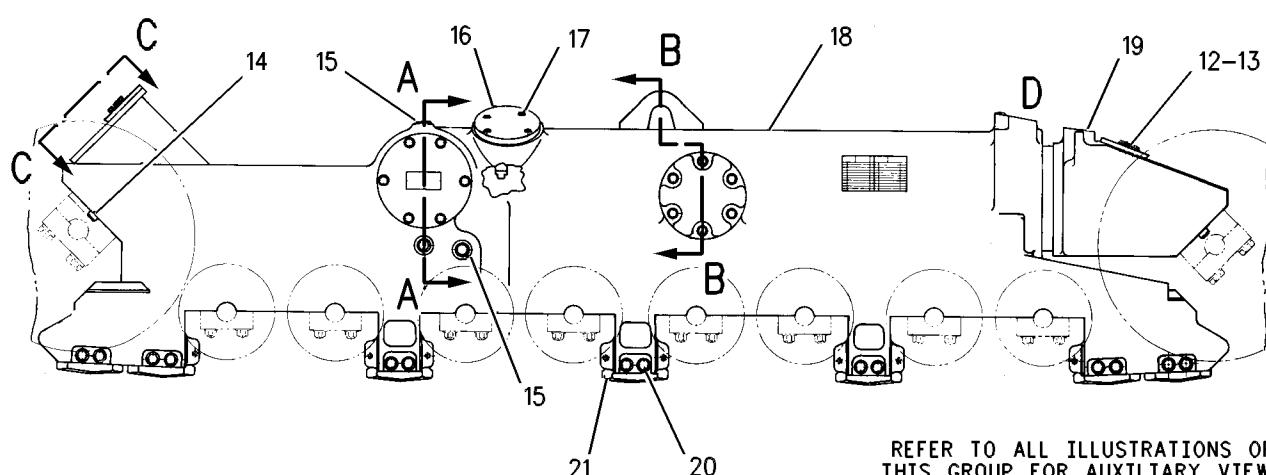
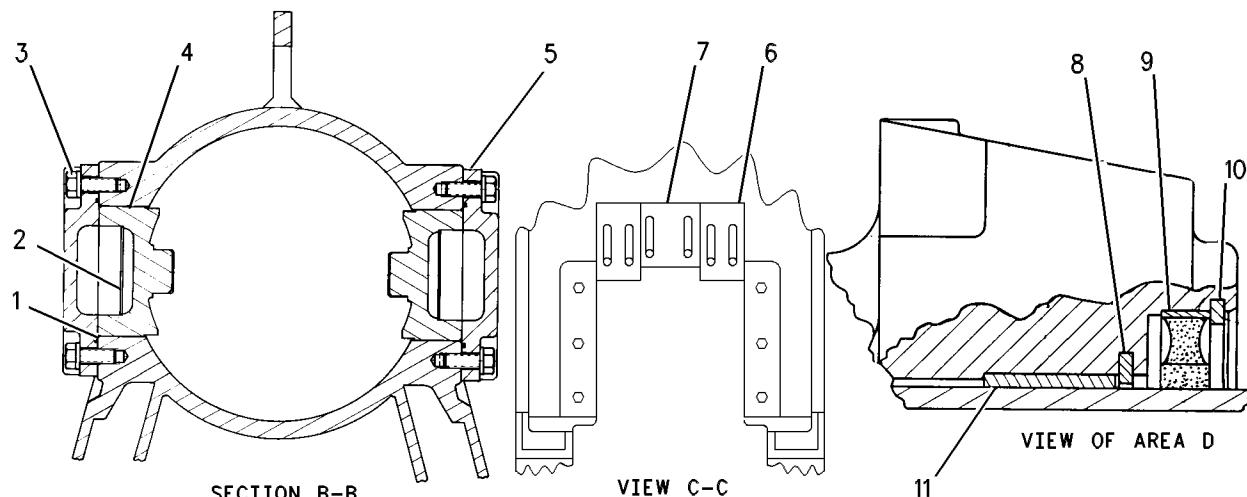
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		<b>2K-4472</b>	4	SEAL-O-RING							
2	1		<b>6T-8258</b>	4	FILM-WARNING (RECOIL SPRING)							
3	1		<b>7X-0345</b>	24	BOLT (5/8-11X1.75 IN)							
	1		<b>8T-4122</b>	24	WASHER-HARD (17X32X3.5MM THK)							
4	1		<b>6T-8801</b>	4	GUIDE AS							
	1		<b>6T-8258</b>	1	FILM-WARNING (RECOIL SPRING)							
5	1		<b>6P-8931</b>	4	COVER							
6	1		<b>9W-7586</b>	8	PLATE							
7	1		<b>9W-7587</b>	4	PLATE							
8	1		<b>3T-5898</b>	2	RING-RETAINING							
9	1		<b>9X-4584</b>	2	SEAL AS							
10	1		<b>9W-3301</b>	2	RING-RETAINING							
11	1		<b>7G-7379</b>	2	BEARING							
12	1		<b>5P-2566</b>	24	BOLT (1/2-13X1.5 IN)							
13	1		<b>5P-1076</b>	24	WASHER-HARD (13.5X30X4MM THK)							
14	1		<b>9W-7594</b>	4	DOWEL							
15	1		<b>4T-2069</b>	6	PLUG-DRAIN							
	1		<b>2H-3932</b>	6	SEAL-O-RING							
16	1		<b>9W-4813</b>	1	COVER AS-LH							
	1		<b>9W-2466</b>	1	COVER AS-RH							
					(EA COVER AS INCL)							
	1		<b>5P-7179</b>	2	PLATE-WARNING (RECOIL SPRING OIL)							
	1		<b>9N-1995</b>	4	RIVET-POP							
	1		<b>9M-3786</b>	2	SEAL-O-RING							
17	1		<b>4L-6454</b>	8	BOLT (3/8-16X1 IN)							
	1		<b>8T-4896</b>	8	WASHER-HARD (10.2X18.5X2.5MM THK)							
18	1		<b>9W-7553</b>	1	FRAME AS-RH							
	1		<b>9W-7554</b>	1	FRAME AS-LH							
19	1		<b>9W-8921</b>	2	FRAME AS							
					(EACH INCLUDES)							
	1		<b>6V-2226</b>	1	PLATE-WARNING (RECOIL SPRING)							
	1		<b>4B-4158</b>	4	SCREW-DRIVE (3/16X0.25 IN)							
	1		<b>9W-0709</b>	1	BEARING-SLEEVE							
	1		<b>9W-7594</b>	2	DOWEL							
20	1		<b>8C-6857</b>	56	BOLT (3/4-10X2.75 IN)							
	1		<b>8T-4994</b>	56	WASHER-HARD (20X36.5X3.5MM THK)							
21	1		<b>184-4395</b>	28	GUIDE							
22	2		<b>7T-1149</b>	2	RETAINER AS							
					(EACH INCLUDES)							
23	2		<b>7T-1153</b>	1	PLATE							
24	2		<b>7T-1152</b>	1	RETAINER (OUTER)							
25	2		<b>7T-1151</b>	1	SEAL AS (SWAGED)							
26	2		<b>7T-1150</b>	1	RETAINER (INNER)							
27	2		<b>3T-4243</b>	2	BEARING-SLEEVE							
28	2		<b>3T-4244</b>	2	BEARING-SLEEVE							
29	2		<b>8E-0719</b>	2	RING-THRUST							
30	2		<b>8E-2898</b>	2	PLATE							
31	2		<b>8S-2331</b>	24	BOLT-12 POINT HEAD (5/8-11 X 2 IN)							
32	2		<b>8E-2899</b>	2	PLATE							
	2		<b>2D-1690</b>	2	SEAL-RING							
33	2		<b>8T-2502</b>	2	BOLT (3/8-16X1.125 IN)							
	2		<b>7T-6079</b>	2	SPACER							
34	2		<b>9S-8009</b>	2	PLUG-O-RING							
	2		<b>4K-1388</b>	2	SEAL-O-RING							
35	2		<b>8E-2837</b>	1	SHAFT-PIVOT							

# UNDERCARRIAGE

**9W-7552 FRAME GP - TELESCOPING RECOIL (contd.)**

i01504268

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
36	2		5P-5374	2	SEAL-O-RING							
37	2		8C-4436	16	BOLT (1/2-13X1.375 IN)							
38	2		5P-2424	16	BOLT (1/2-13X2.25 IN)							
39	2		8T-4223	32	WASHER-HARD (13.5X25.5X3MM THK)							
40	2		6V-3263	2	SEAL-O-RING							



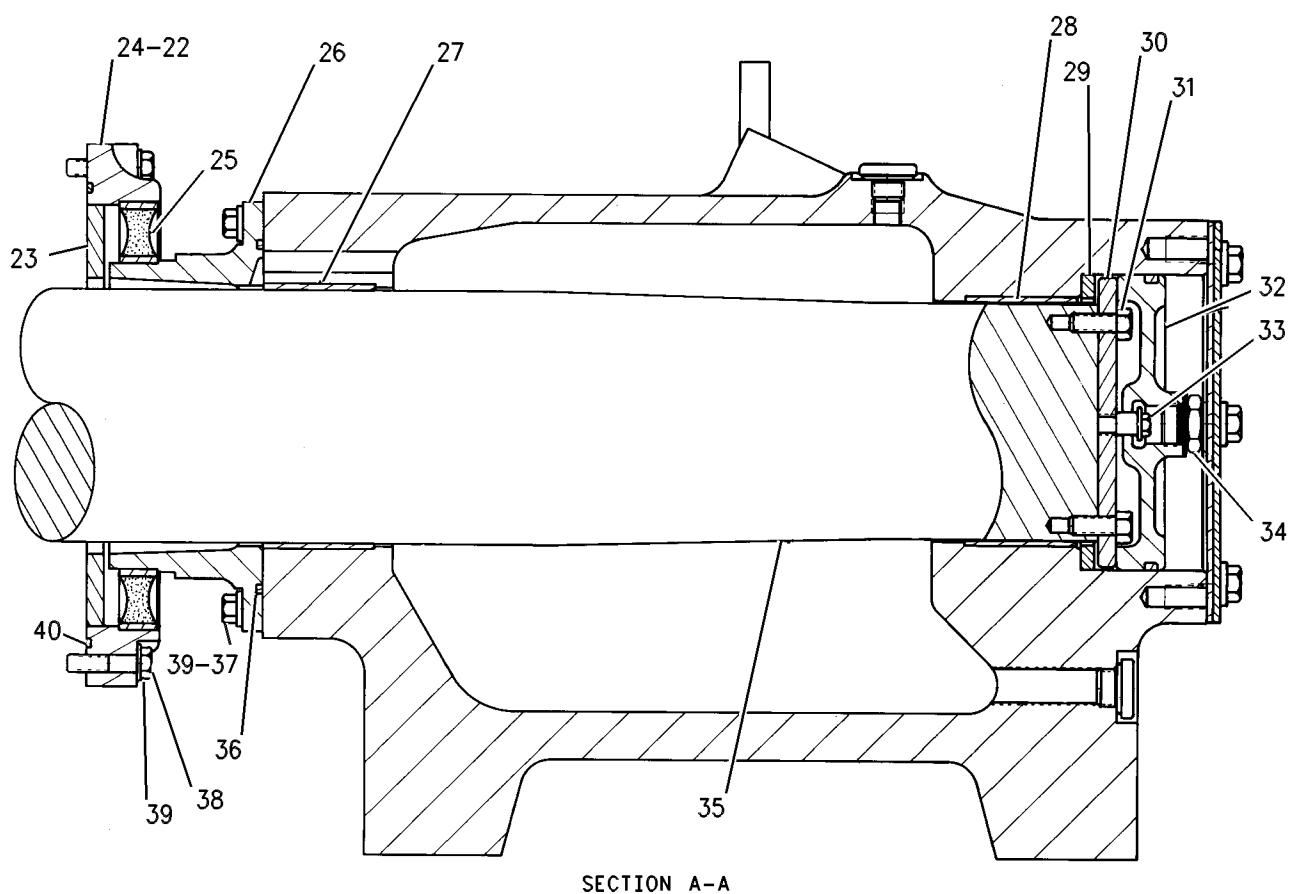
GRAPHIC #1

g00448907

# UNDERCARRIAGE

9W-7552 FRAME GP - TELESCOPING RECOIL (*contd.*)

i01504268



GRAPHIC #2

g00433922

# UNDERCARRIAGE

## 119-6057 FRAME GP - TELESCOPING RECOIL

S/N: 9EM1-UP

PART OF 119-6395 UNDERCARRIAGE AR  
AN ATTACHMENT

**SMCS-4151**

**i01404658**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		<b>7T-1149</b>	2	RETAINER AS (EACH INCLUDES)							
1A	1		<b>7T-1153</b>	1	PLATE							
1B	1		<b>7T-1151</b>	1	SEAL AS							
1C	1		<b>7T-1152</b>	1	RETAINER							
1D	1		<b>7T-1150</b>	1	RETAINER							
2	1		<b>5P-2424</b>	16	BOLT (1/2-13X2.25 IN)							
3	1		<b>8T-4223</b>	32	WASHER-HARD (13.5X25.5X3MM THK)							
4	1		<b>6V-3263</b>	2	SEAL-O-RING (304.17MM ID)							
5	1		<b>3T-4244</b>	2	BEARING-SLEEVE							
6	1		<b>8E-0719</b>	2	RING-THRUST							
7	1		<b>8E-2898</b>	2	PLATE							
8	1		<b>8S-2331</b>	24	BOLT-12 POINT HEAD (5/8-11 X 2 IN)							
9	1		<b>8E-2899</b>	2	PLATE							
10	1		<b>2D-1690</b>	2	SEAL-RING							
11	1		<b>8T-2502</b>	2	BOLT (3/8-16X1.125 IN)							
12	1		<b>7T-6079</b>	2	SPACER							
13	1		<b>9S-8009</b>	2	PLUG-O-RING							
14	1		<b>4K-1388</b>	2	SEAL-O-RING (26.59MM ID)							
15	1		<b>8E-2837</b>	1	SHAFT-PIVOT							
16	1		<b>3T-4243</b>	2	BEARING-SLEEVE							
17	1		<b>5P-5374</b>	2	SEAL-O-RING (227.97MM ID)							
18	1		<b>8C-4436</b>	16	BOLT (1/2-13X1.375 IN)							
19	1		<b>6T-8801</b>	4	GUIDE AS							
20	1		<b>6P-8931</b>	4	COVER							
21	1		<b>2K-4472</b>	4	SEAL-O-RING (158.34MM ID)							
22	1		<b>6T-8258</b>	4	FILM-WARNING							
23	1		<b>8T-4122</b>	24	WASHER-HARD (17X32X3.5MM THK)							
24	1		<b>7X-0345</b>	24	BOLT (5/8-11X1.75 IN)							
25	1		<b>116-4794</b>	4	BRACKET AS							
26	1		<b>9W-3301</b>	2	RING-RETAINING							
27	1		<b>9X-4584</b>	2	SEAL AS (EACH INCLUDES)							
	1		<b>8T-5071</b>	1	GUARD-SEAL							
28	1		<b>3T-5898</b>	2	RING-RETAINING							
29	1		<b>7G-7379</b>	2	BEARING							
30	1		<b>7X-0408</b>	16	BOLT (1-8X3.50 IN)							
31	1		<b>8T-5361</b>	16	WASHER-HARD (28X49X5MM THK)							
32	1		<b>5P-2566</b>	24	BOLT (1/2-13X1.5 IN)							
33	1		<b>9W-8921</b>	2	FRAME AS (EACH INCLUDES)							
	1		<b>4B-4158</b>	4	SCREW-DRIVE (3/16 X 1/4 IN)							
	1		<b>6V-2226</b>	1	PLATE-WARNING (RECOIL SPRING)							
	1		<b>9W-0709</b>	1	BEARING-SLEEVE							
	1		<b>9W-7594</b>	2	DOWEL							
34	1		<b>119-6058</b>	1	FRAME AS-RH							
35	1		<b>119-6059</b>	1	FRAME AS-LH							
36	1		<b>9W-4813</b>	1	COVER AS-LH							
	1		<b>5P-7179</b>	2	PLATE-WARNING							
	1		<b>9N-1995</b>	4	RIVET-POP							
	1		<b>9W-4895</b>	2	GASKET							
37	1		<b>9W-2466</b>	1	COVER AS-RH							
	1		<b>5P-7179</b>	2	PLATE-WARNING							
	1		<b>9N-1995</b>	4	RIVET-POP							
38	1		<b>9M-3786</b>	2	SEAL-O-RING (139.06MM ID)							

# UNDERCARRIAGE

119-6057 FRAME GP - TELESCOPING RECOIL (*contd.*)

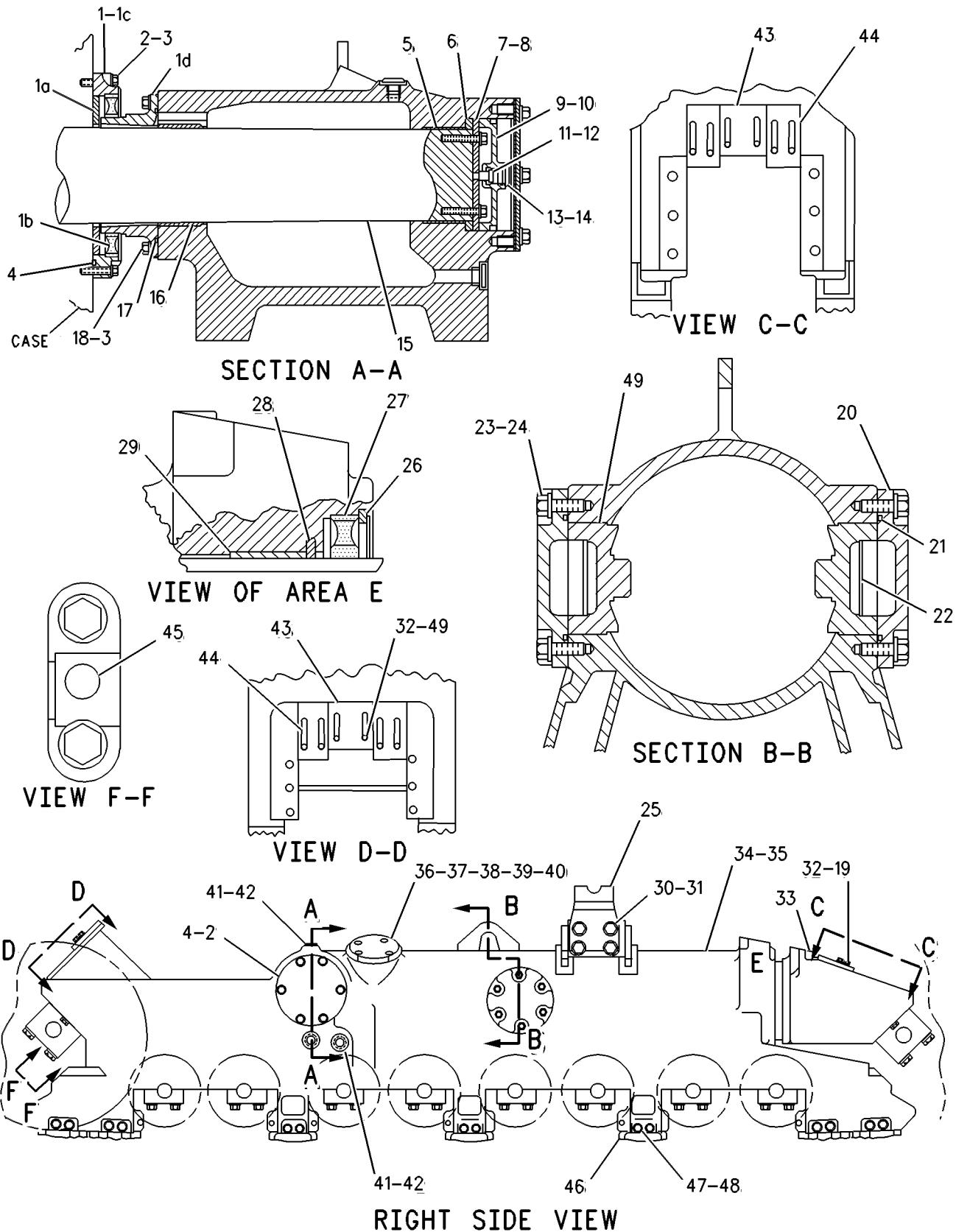
i01404658

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE
					1 2 3 4 5 6		
39	1		4L-6454	8	BOLT (3/8-16X1 IN)		
40	1		8T-4896	8	WASHER-HARD (10.2X18.5X2.5MM THK)		
41	1		4T-2069	6	PLUG-DRAIN		
42	1		2H-3932	6	SEAL-O-RING (28.17MM ID)		
43	1		9W-7587	4	PLATE		
44	1		9W-7586	8	PLATE		
45	1		9W-7594	4	DOWEL		
46	1		7T-5853	28	GUIDE		
47	1		8C-6857	56	BOLT (3/4-10X2.75 IN)		
48	1		8T-4994	56	WASHER-HARD (20X36.5X5MM THK)		
49	1		5P-1076	24	WASHER-HARD (13.5X30X4MM THK)		

# UNDERCARRIAGE

119-6057 FRAME GP - TELESCOPING RECOIL (contd.)

i01404658



# UNDERCARRIAGE

## 156-5685 FRAME GP - TELESCOPING RECOIL

S/N: 9EM1213-UP

PART OF 156-5684 UNDERCARRIAGE AR

SMCS-4151

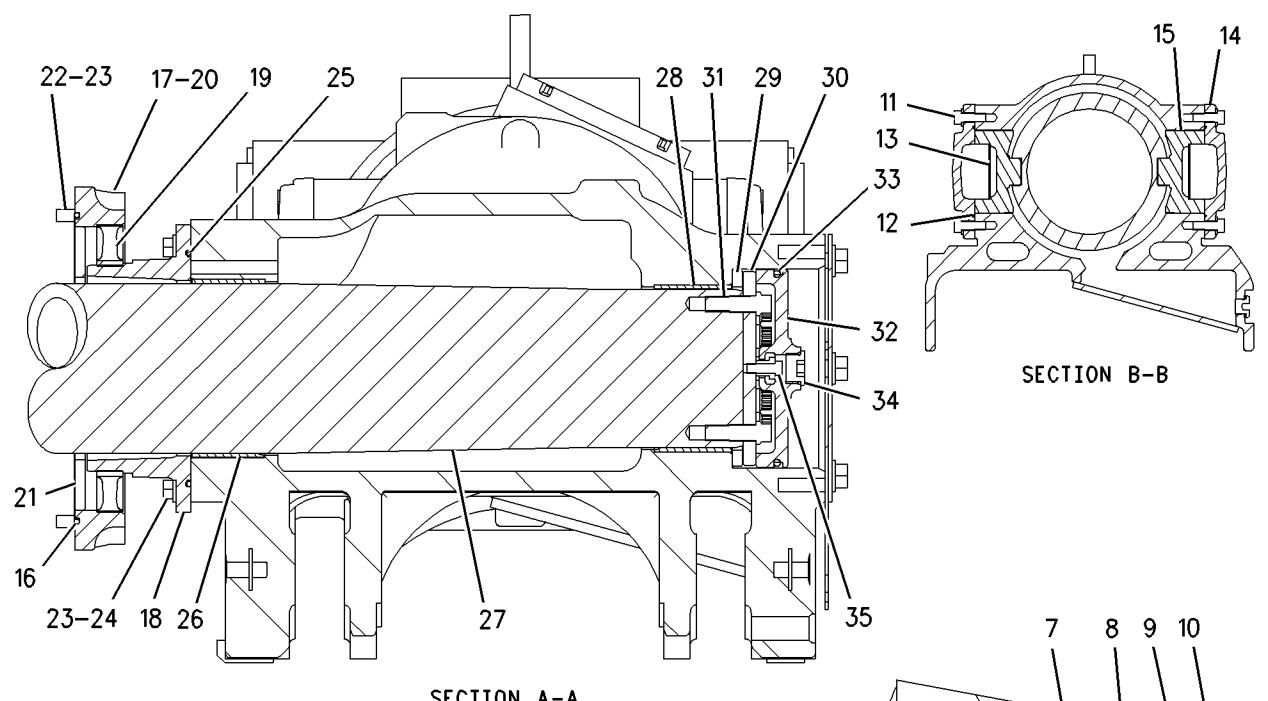
i01497204

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		175-3632	1	FRAME AS-ROLLER (RH)	
2	1		175-3633	1	FRAME AS-ROLLER (LH)	
3	1		4T-2069	6	PLUG-DRAIN	
	1		2H-3932	6	SEAL-O-RING	
4	1		9W-2466	1	COVER AS-RH	
	1		9W-4813	1	COVER AS-LH	
	1		9M-3786	2	SEAL-O-RING	
5	1		4L-6454	8	BOLT (3/8-16X1 IN)	
	1		8T-4896	8	WASHER-HARD (10.2X18.5X2.5MM THK)	
6	1		171-8714	2	FRAME AS-FRONT (EACH INCLUDES)	
	1		154-9838	1	SLEEVE	
	1		6V-2226	1	PLATE-WARNING (RECOIL SPRING)	
	1		4B-4158	4	SCREW-DRIVE (3/16X0.25 IN)	
7	1		7G-7379	2	BEARING	
8	1		3T-5898	2	RING-RETAINING	
9	1		9X-4584	2	SEAL AS	
10	1		9W-3301	2	RING-RETAINING	
11	1		7X-0345	24	BOLT (5/8-11X1.75 IN)	
	1		8T-4122	24	WASHER-HARD (17X32X3.5MM THK)	
12	1		2K-4472	4	SEAL-O-RING	
13	1		6T-8258	4	FILM-WARNING (RECOIL SPRING)	
14	1		6P-8931	4	COVER	
15	1		6T-8801	4	GUIDE AS	
	1		6T-8258	1	FILM-WARNING (RECOIL SPRING)	
16	1		6V-3263	2	SEAL-O-RING	
17	1		7T-1149	2	RETAINER AS (EACH INCLUDES)	
18	1		7T-1150	1	RETAINER	
19	1		7T-1151	1	SEAL AS	
20	1		7T-1152	1	RETAINER	
21	1		7T-1153	1	PLATE	
22	1		5P-2424	16	BOLT (1/2-13X2.25 IN)	
23	1		8T-4223	32	WASHER-HARD (13.5X25.5X3MM THK)	
24	1		8C-4436	16	BOLT (1/2-13X1.375 IN)	
25	1		5P-5374	2	SEAL-O-RING	
26	1		3T-4243	2	BEARING-SLEEVE	
27	1		8E-2837	1	SHAFT-PIVOT	
28	1		3T-4244	2	BEARING-SLEEVE	
29	1		8E-0719	2	RING-THRUST	
30	1		8E-2898	2	PLATE	
31	1		8S-2331	24	BOLT-12 POINT HEAD (5/8-11 X 2 IN)	
32	1		8E-2899	2	PLATE	
33	1		2D-1690	2	SEAL-RING	
34	1		9S-8009	2	PLUG-O-RING	
	1		4K-1388	2	SEAL-O-RING	
35	1		8T-2502	2	BOLT (3/8-16X1.125 IN)	
	1		7T-6079	2	SPACER	

# UNDERCARRIAGE

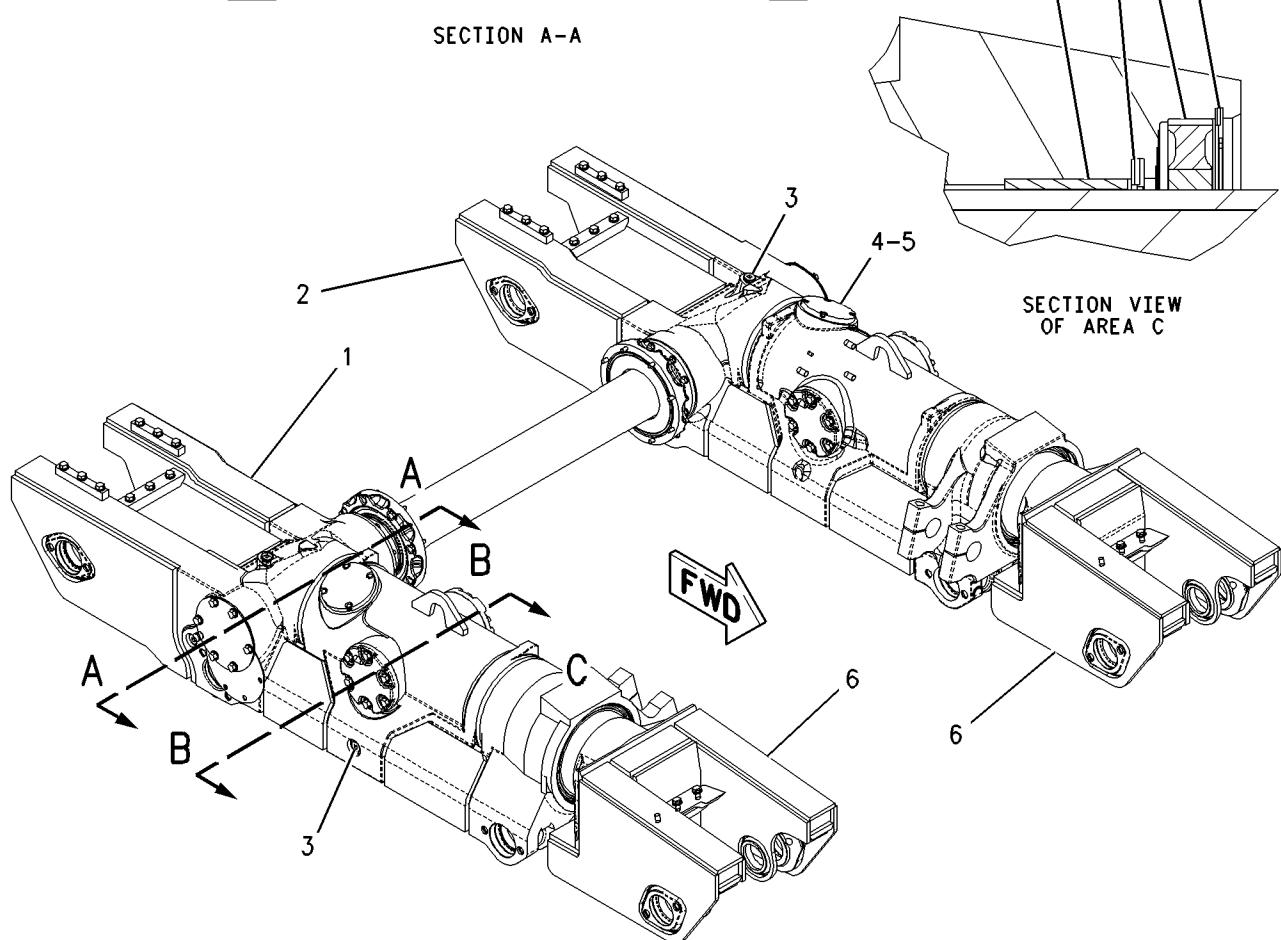
156-5685 FRAME GP - TELESCOPING RECOIL (contd.)

i01497204



SECTION A-A

SECTION B-B



SECTION VIEW  
OF AREA C

GRAPHIC #1

g00777771

# UNDERCARRIAGE

## 157-3100 FRAME GP - TELESCOPING RECOIL

S/N: 9EM1213-UP

PART OF 157-8036 UNDERCARRIAGE AR  
AN ATTACHMENT

**SMCS-4151**

**i01497975**

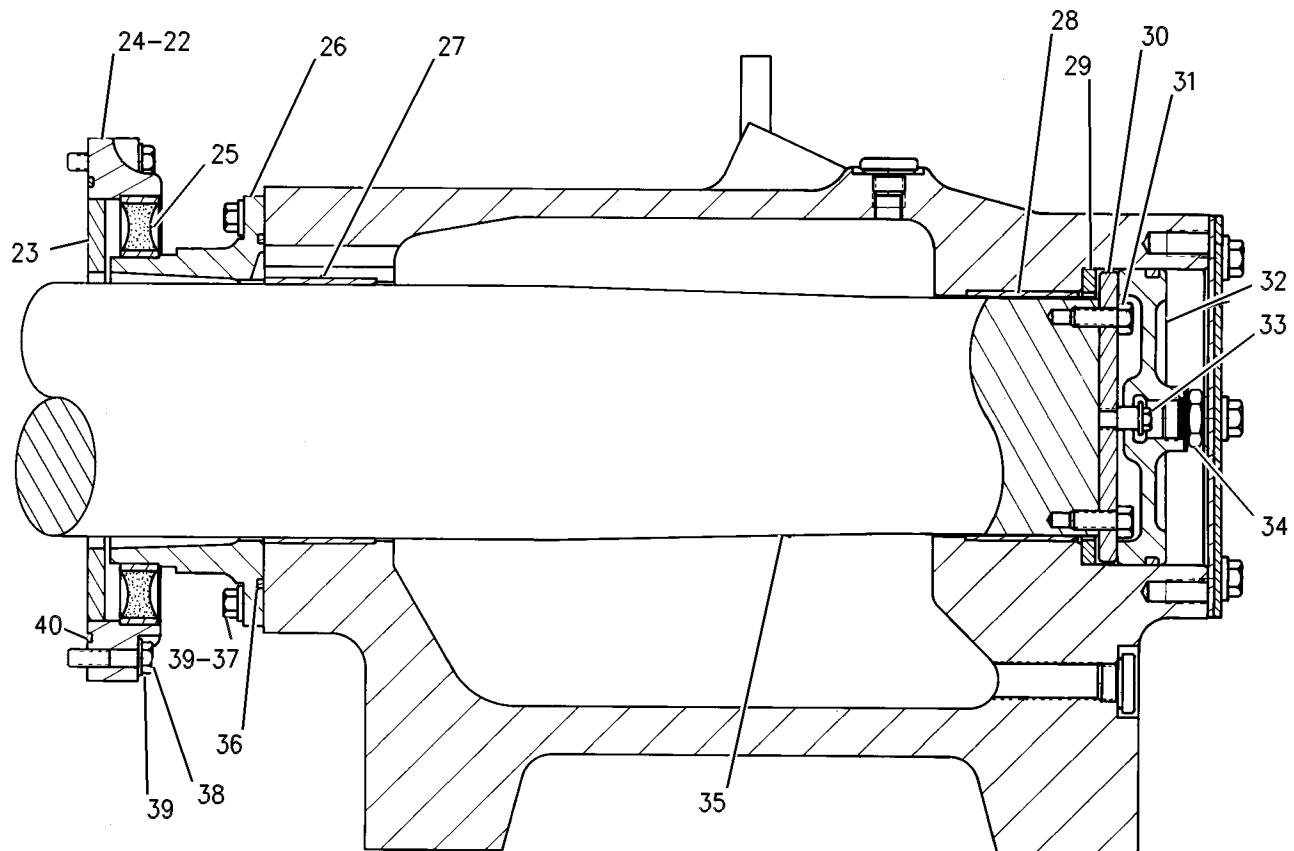
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		<b>2K-4472</b>	4	SEAL-O-RING							
2	1		<b>6T-8258</b>	4	FILM-WARNING (RECOIL SPRING)							
3	1		<b>7X-0345</b>	24	BOLT (5/8-11X1.75 IN)							
	1		<b>8T-4122</b>	24	WASHER-HARD (17X32X3.5MM THK)							
4	1		<b>6T-8801</b>	4	GUIDE AS							
	1		<b>6T-8258</b>	1	FILM-WARNING (RECOIL SPRING)							
5	1		<b>6P-8931</b>	4	COVER							
6	1		<b>9W-7586</b>	8	PLATE							
7	1		<b>9W-7587</b>	4	PLATE							
8	1		<b>3T-5898</b>	2	RING-RETAINING							
9	1		<b>9X-4584</b>	2	SEAL AS							
					(EACH INCLUDES)							
	1		<b>8T-5071</b>	1	GUARD-SEAL							
10	1		<b>9W-3301</b>	2	RING-RETAINING							
11	1		<b>7G-7379</b>	2	BEARING							
12	1		<b>5P-2566</b>	24	BOLT (1/2-13X1.5 IN)							
13	1		<b>5P-1076</b>	24	WASHER-HARD (13.5X30X4MM THK)							
14	1		<b>9W-7594</b>	4	DOWEL							
15	1		<b>4T-2069</b>	6	PLUG-DRAIN							
	1		<b>2H-3932</b>	6	SEAL-O-RING							
16	1		<b>9W-4813</b>	1	COVER AS-LH							
	1		<b>9W-2466</b>	1	COVER AS-RH							
					(EACH COVER AS INCLUDES)							
	1		<b>5P-7179</b>	2	PLATE-WARNING (RECOIL SPRING OIL)							
	1		<b>9N-1995</b>	4	RIVET-POP							
	1		<b>9M-3786</b>	2	SEAL-O-RING							
17	1		<b>4L-6454</b>	8	BOLT (3/8-16X1 IN)							
	1		<b>8T-4896</b>	8	WASHER-HARD (10.2X18.5X2.5MM THK)							
18	1		<b>9W-7553</b>	1	FRAME AS-RH							
	1		<b>9W-7554</b>	1	FRAME AS-LH							
19	1		<b>157-3101</b>	2	FRAME AS							
					(EACH INCLUDES)							
	1		<b>6V-2226</b>	1	PLATE-WARNING (RECOIL SPRING)							
	1		<b>4B-4158</b>	4	SCREW-DRIVE (3/16X0.25 IN)							
	1		<b>154-9838</b>	1	SLEEVE							
	1		<b>9W-7594</b>	2	DOWEL							
20	1		<b>8C-6857</b>	56	BOLT (3/4-10X2.75 IN)							
	1		<b>8T-4994</b>	56	WASHER-HARD (20X36.5X3.5MM THK)							
21	1		<b>184-4395</b>	28	GUIDE							
22	2		<b>7T-1149</b>	2	RETAINER AS							
					(EACH INCLUDES)							
23	2		<b>7T-1153</b>	1	PLATE							
24	2		<b>7T-1152</b>	1	RETAINER (OUTER)							
25	2		<b>7T-1151</b>	1	SEAL AS (SWAGED)							
26	2		<b>7T-1150</b>	1	RETAINER (INNER)							
27	2		<b>3T-4243</b>	2	BEARING-SLEEVE							
28	2		<b>3T-4244</b>	2	BEARING-SLEEVE							
29	2		<b>8E-0719</b>	2	RING-THRUST							
30	2		<b>8E-2898</b>	2	PLATE							
31	2		<b>8S-2331</b>	24	BOLT-12 POINT HEAD (5/8-11 X 2 IN)							
32	2		<b>8E-2899</b>	2	PLATE							
	2		<b>2D-1690</b>	2	SEAL-RING							
33	2		<b>8T-2502</b>	2	BOLT (3/8-16X1.125 IN)							
	2		<b>7T-6079</b>	2	SPACER							
34	2		<b>9S-8009</b>	2	PLUG-O-RING							

# UNDERCARRIAGE

**157-3100 FRAME GP - TELESCOPING RECOIL (contd.)**

i01497975

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
	2		4K-1388	2	SEAL-O-RING							
35	2		8E-2837	1	SHAFT-PIVOT							
36	2		5P-5374	2	SEAL-O-RING							
37	2		8C-4436	16	BOLT (1/2-13X1.375 IN)							
38	2		5P-2424	16	BOLT (1/2-13X2.25 IN)							
39	2		8T-4223	32	WASHER-HARD (13.5X25.5X3MM THK)							
40	2		6V-3263	2	SEAL-O-RING							



SECTION A-A

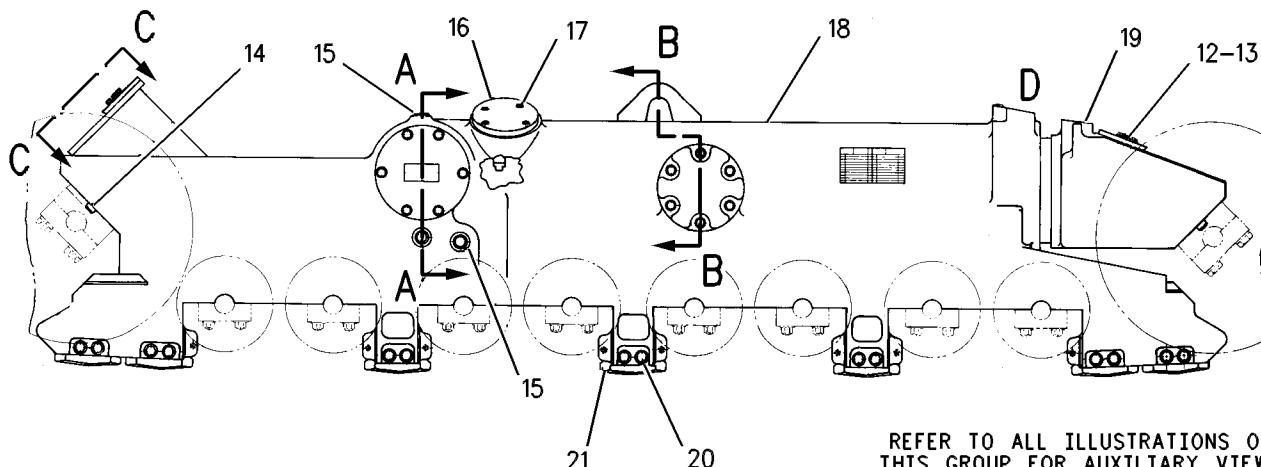
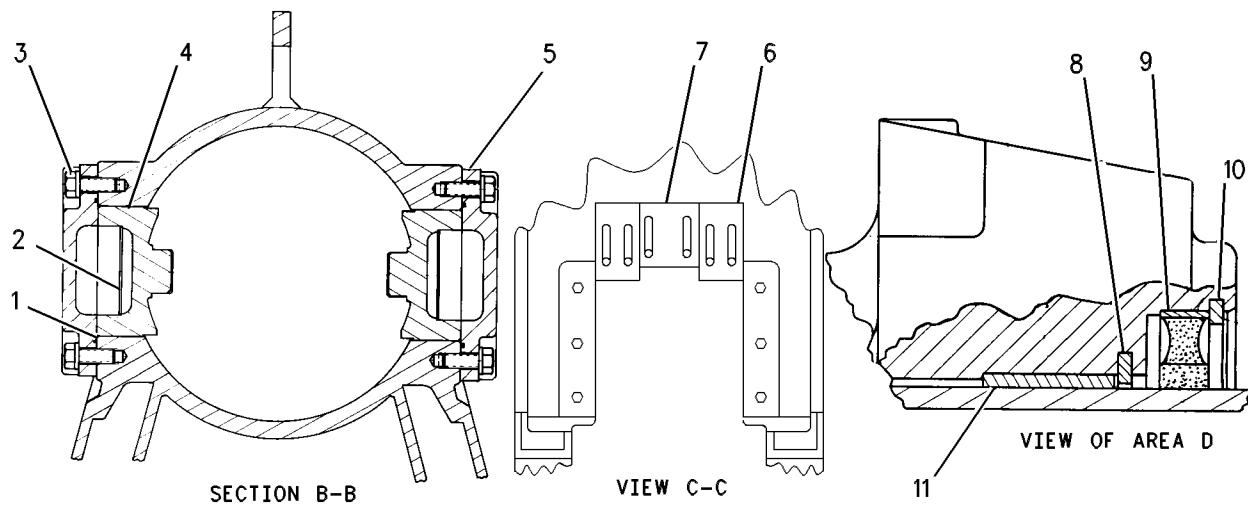
GRAPHIC #1

g00433922

# UNDERCARRIAGE

157-3100 FRAME GP - TELESCOPING RECOIL (*contd.*)

i01497975



REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

GRAPHIC #2

g00448907

# UNDERCARRIAGE

## 157-3110 FRAME GP - TELESCOPING RECOIL

S/N: 9EM1-UP

PART OF 157-8037 UNDERCARRIAGE AR  
AN ATTACHMENT

**SMCS-4151**

**i01497990**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		<b>7T-1149</b>	2	RETAINER AS (EACH INCLUDES)							
2	1		<b>7T-1150</b>	1	RETAINER							
3	1		<b>7T-1151</b>	1	SEAL AS							
4	1		<b>7T-1152</b>	1	RETAINER							
5	1		<b>7T-1153</b>	1	PLATE							
6	1		<b>8E-0719</b>	2	RING-THRUST							
7	1		<b>8E-2898</b>	2	PLATE							
8	1		<b>8S-2331</b>	24	BOLT-12 POINT HEAD (5/8-11 X 2 IN)							
9	1		<b>8E-2899</b>	2	PLATE							
10	1		<b>2D-1690</b>	2	SEAL-RING							
11	1		<b>8T-2502</b>	2	BOLT (3/8-16X1.125 IN)							
12	1		<b>7T-6079</b>	2	SPACER							
13	1		<b>9S-8009</b>	2	PLUG-O-RING							
14	1		<b>4K-1388</b>	2	SEAL-O-RING							
15	1		<b>8E-2837</b>	1	SHAFT-PIVOT							
16	1		<b>3T-4243</b>	2	BEARING-SLEEVE							
17	1		<b>5P-5374</b>	2	SEAL-O-RING							
18	1		<b>8C-4436</b>	16	BOLT (1/2-13X1.375 IN)							
19	1		<b>6T-8801</b>	4	GUIDE AS (EACH INCLUDES)							
	1		<b>6T-8258</b>	1	FILM-WARNING (RECOIL SPRING)							
20	1		<b>6P-8931</b>	4	COVER							
21	1		<b>2K-4472</b>	4	SEAL-O-RING							
22	1		<b>6T-8258</b>	4	FILM-WARNING (RECOIL SPRING)							
23	1		<b>8T-4122</b>	24	WASHER-HARD (17X32X3.5MM THK)							
24	1		<b>7X-0345</b>	24	BOLT (5/8-11X1.75 IN)							
25	1		<b>116-4794</b>	4	BRACKET AS							
26	1		<b>9W-3301</b>	2	RING-RETAINING							
27	1		<b>9X-4584</b>	2	SEAL AS							
28	1		<b>3T-5898</b>	2	RING-RETAINING							
29	1		<b>7G-7379</b>	2	BEARING							
30	1		<b>7X-0408</b>	16	BOLT (1-8X3.50 IN)							
31	1		<b>8T-5361</b>	16	WASHER-HARD (28X49X5MM THK)							
32	1		<b>5P-2566</b>	24	BOLT (1/2-13X1.5 IN)							
33	1		<b>157-3101</b>	2	FRAME AS							
	1		<b>4B-4158</b>	4	SCREW-DRIVE (3/16X0.25 IN)							
	1		<b>6V-2226</b>	1	PLATE-WARNING (RECOIL SPRING)							
	1		<b>9W-7594</b>	2	DOWEL							
	1		<b>154-9838</b>	1	SLEEVE							
34	1		<b>119-6058</b>	1	FRAME AS-RH							
35	1		<b>119-6059</b>	1	FRAME AS-LH							
36	1		<b>9W-4813</b>	1	COVER AS-LH							
	1		<b>5P-7179</b>	2	PLATE-WARNING (RECOIL SPRING OIL)							
	1		<b>9N-1995</b>	4	RIVET-POP							
37	1		<b>9W-2466</b>	1	COVER AS-RH							
	1		<b>5P-7179</b>	2	PLATE-WARNING (RECOIL SPRING OIL)							
	1		<b>9N-1995</b>	4	RIVET-POP							
38	1		<b>9M-3786</b>	2	SEAL-O-RING							
39	1		<b>4L-6454</b>	8	BOLT (3/8-16X1 IN)							
40	1		<b>8T-4896</b>	8	WASHER-HARD (10.2X18.5X2.5MM THK)							
41	1		<b>4T-2069</b>	6	PLUG-DRAIN							
42	1		<b>2H-3932</b>	6	SEAL-O-RING							
43	1		<b>9W-7587</b>	4	PLATE							
44	1		<b>9W-7586</b>	8	PLATE							

# UNDERCARRIAGE

157-3110 FRAME GP - TELESCOPING RECOIL (*contd.*)

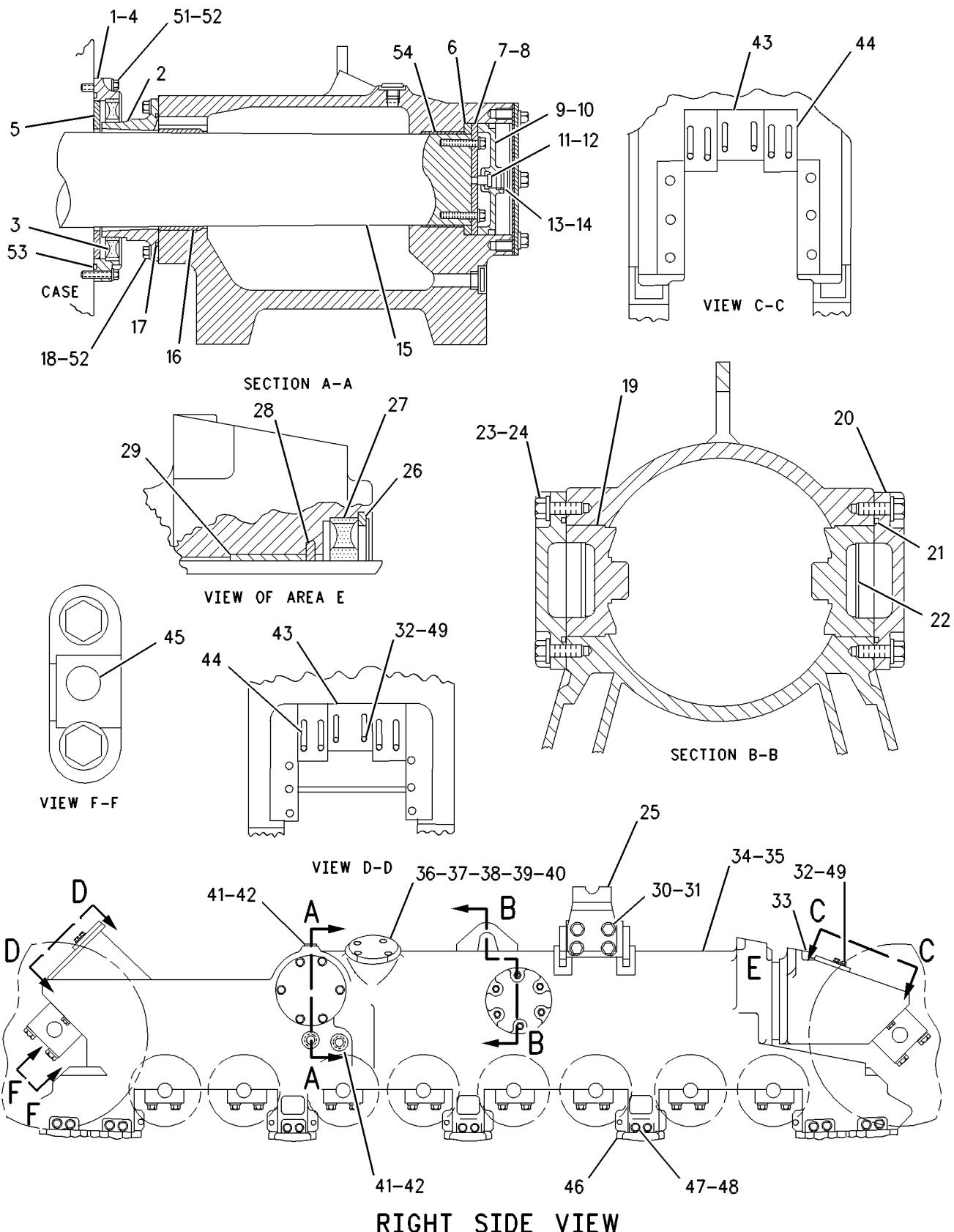
i01497990

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
45	1		9W-7594	4	DOWEL							
46	1		184-4395	28	GUIDE							
47	1		8C-6857	56	BOLT (3/4-10X2.75 IN)							
49	1		8T-4994	56	WASHER-HARD (20X36.5X3.5MM THK)							
50	1		5P-1076	24	WASHER-HARD (13.5X30X4MM THK)							
51	1		5P-2424	16	BOLT (1/2-13X2.25 IN)							
52	1		8T-4223	32	WASHER-HARD (13.5X25.5X3MM THK)							
53	1		6V-3263	2	SEAL-O-RING							
54	1		3T-4244	2	BEARING-SLEEVE							

# UNDERCARRIAGE

157-3110 FRAME GP - TELESCOPING RECOIL (contd.)

i01497990



GRAPHIC #1

g00545910

# UNDERCARRIAGE

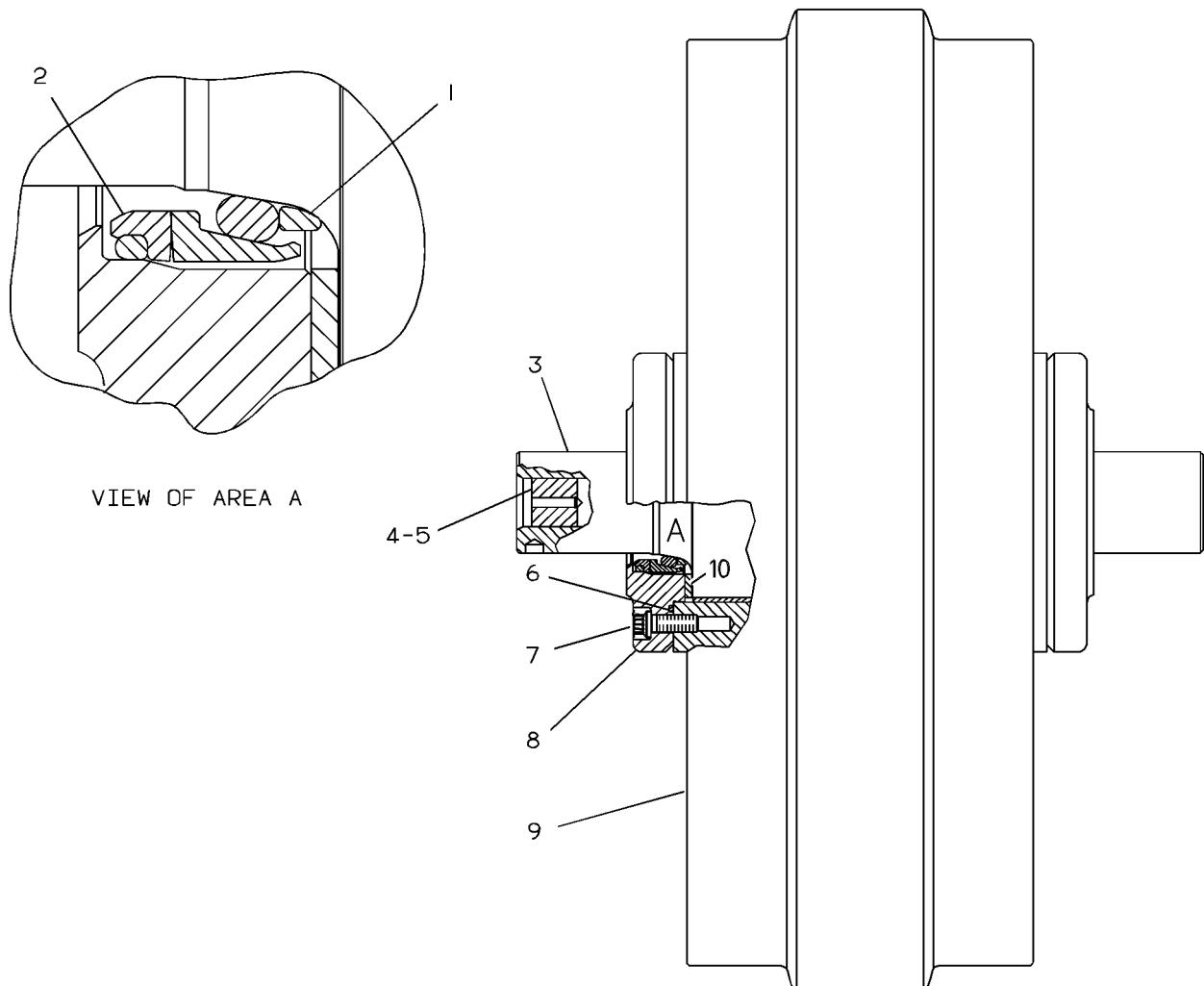
## 6Y-0554 IDLER GP - TRACK-REAR

S/N: 9EM1-775

SMCS-4159

i01039349

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		6T-5247	2	STABILIZER-SEAL						
2	1		9W-6651	2	SEAL GP-DUO-CONE						
	1		6V-2700	1	SEAL-O-RING (81.4MM ID)						
	1		8P-0021	1	RING-SEALING (70.34MM ID)						
3	1		8P-6938	1	SHAFT-IDLER						
4	1		9G-4872	1	STOPPER-RUBBER						
5	1		6Y-0473	1	PLUG						
6	1		8F-9516	2	SEAL-O-RING (139.29MM ID)						
7	1		5P-2546	24	BOLT-12 POINT HEAD (7/16-14X1.25IN)						
	1		3K-6113	24	WASHER-HARD (3MM THK)						
8	1		9P-0201	2	RETAINER						
9	1		6Y-0553	1	IDLER & BEARING AS						
	1		9W-9499	2	BEARING-SLEEVE						
10	1		8E-6619	2	WASHER-THRUST						



GRAPHIC #1

g00237033

# UNDERCARRIAGE

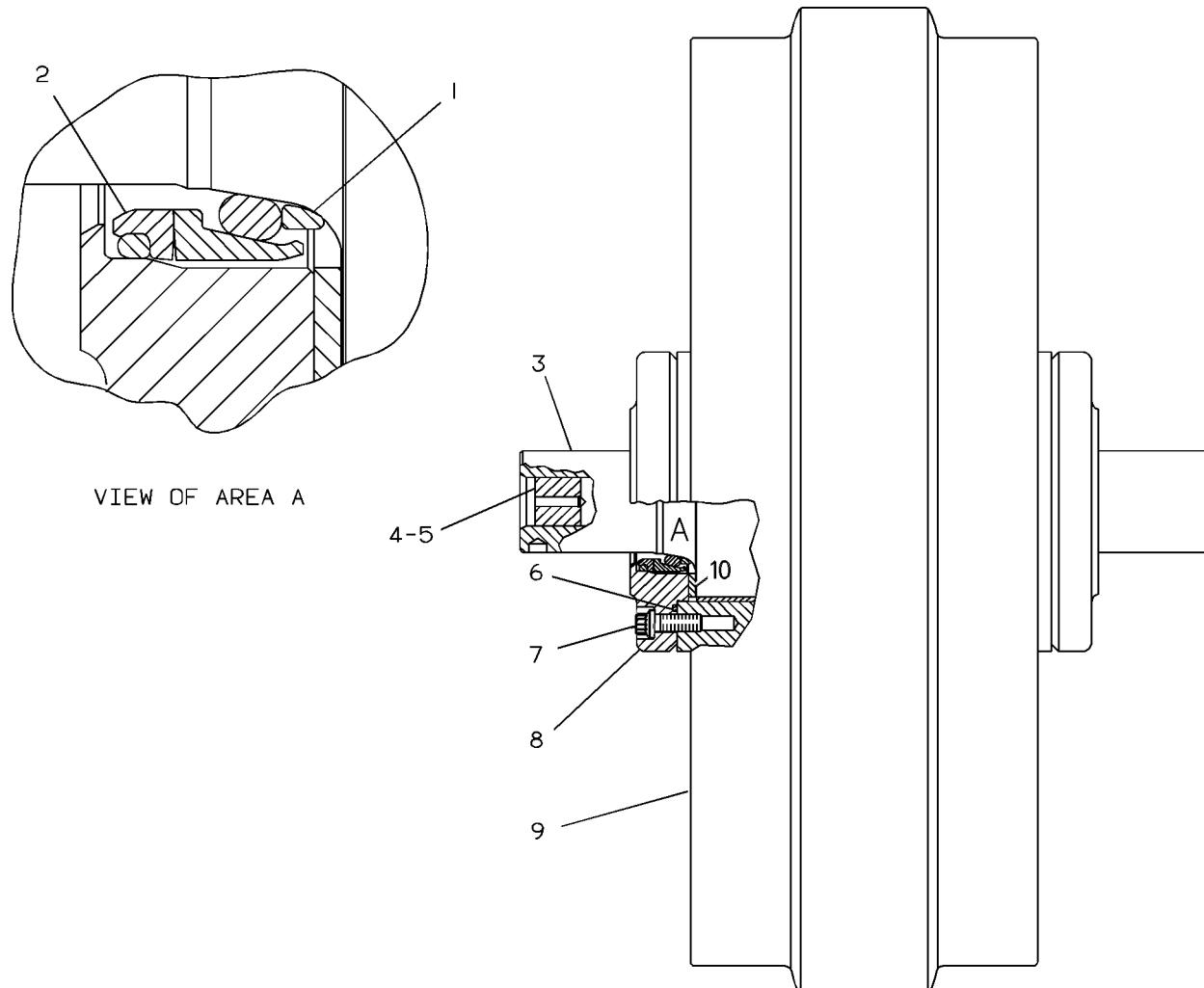
## 6Y-0557 IDLER GP-TRACK-FRONT

S/N: 9EM1-775

SMCS-4159

i01178885

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		6T-5247	2	STABILIZER-SEAL	
2	1		9W-6651	2	SEAL GP-DUO-CONE	
	1		6V-2700	1	SEAL-O-RING (81.4MM ID)	
	1		8P-0021	1	RING-SEALING (70.34MM ID)	
3	1		138-9712	1	SHAFT-TRACK IDLER	
4	1		9G-4872	1	STOPPER-RUBBER	
5	1		6Y-0473	1	PLUG	
6	1		8F-9516	2	SEAL-O-RING (139.29MM ID)	
7	1		5P-2546	24	BOLT-12 POINT HEAD (7/16-14X1.25IN)	
	1		3K-6113	24	WASHER-HARD (3MM THK)	
8	1		9P-0201	2	RETAINER	
9	1		6Y-0556	1	IDLER & BEARING AS	
	1		9W-9499	2	BEARING-SLEEVE	
10	1		8E-6619	2	WASHER-THRUST	



GRAPHIC #1

g00237043

# UNDERCARRIAGE

## 107-9357 IDLER GP - TRACK

S/N: 9EM1-UP

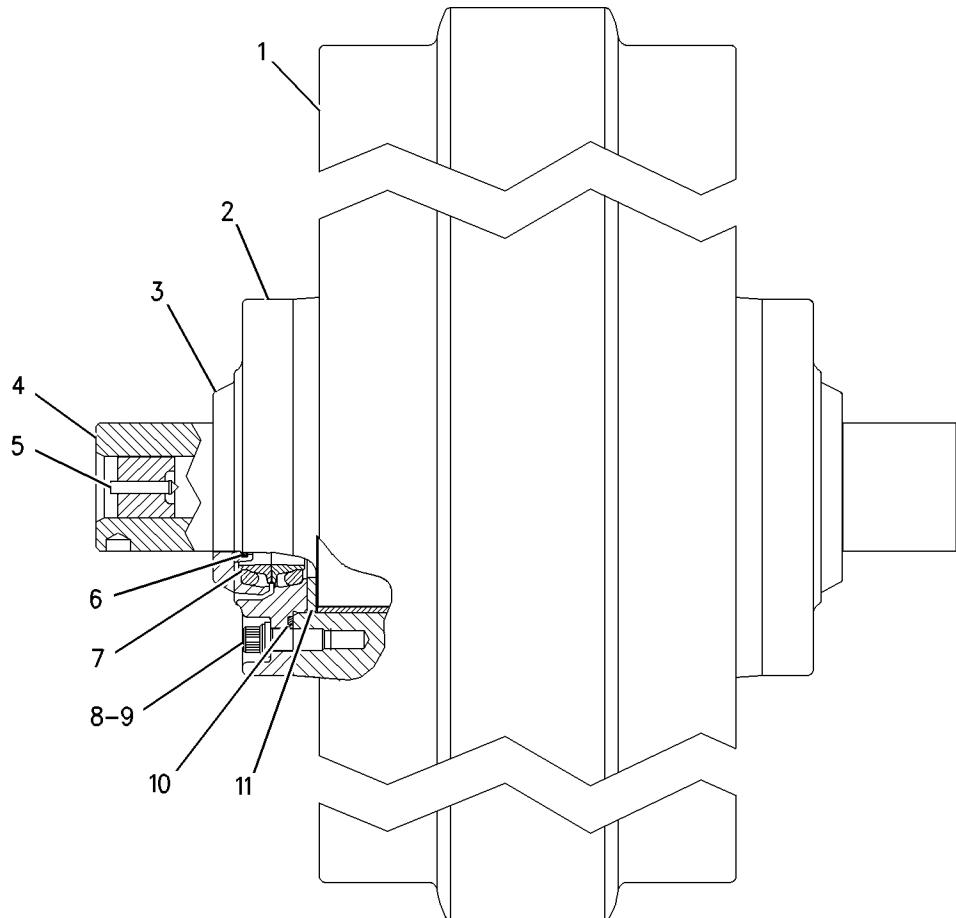
ARCTIC

PART OF 102-4373 COLD WEATHER AR  
AN ATTACHMENT

**SMCS-4159**

**i01541467**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
1	1		6Y-0553	1	IDLER & BEARING AS							
			154-3298	2	BEARING-SLEEVE							
2	1		107-3946	2	RETAINER							
3	1		107-3947	2	COLLAR-SEAL							
4	1		154-3307	1	SHAFT-TRACK IDLER							
5	1		8E-6620	1	STOPPER AS							
			6Y-0473	1	PLUG-CLEAR							
			9G-4872	1	STOPPER-RUBBER							
6	1		107-4057	2	SEAL-O-RING							
7	1		9W-8878	2	SEAL GP-DUO-CONE							
					(EACH INCLUDES)							
			107-4888	1	RING-SEALING							
8	1		3K-6113	24	WASHER-HARD (12X18.5X3MM THK)							
9	1		5P-2546	24	BOLT-12 POINT HEAD (7/16-14X1.25 IN)							
10	1		8F-9516	2	SEAL-O-RING							
11	1		8E-6619	2	WASHER-THRUST (12X18.5X3MM THK)							



GRAPHIC #1

g00804892

# UNDERCARRIAGE

## 107-9358 IDLER GP-TRACK

S/N: 9EM1-UP

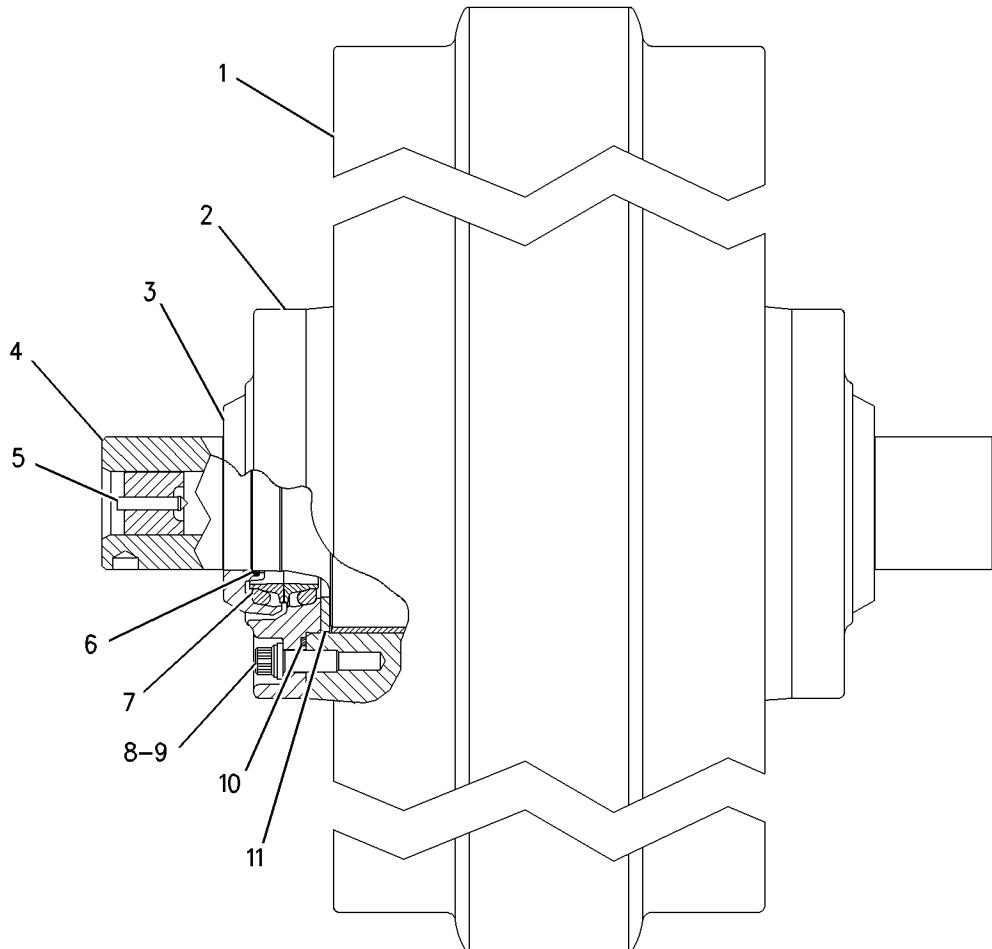
ARCTIC

PART OF 102-4373 COLD WEATHER AR  
AN ATTACHMENT

SMCS-4159

i01541365

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		6Y-0556	1	IDLER & BEARING AS						
			154-3298	2	BEARING-SLEEVE						
2	1		107-3946	2	RETAINER						
3	1		107-3947	2	COLLAR-SEAL						
4	1		154-3307	1	SHAFT-TRACK IDLER						
5	1		6Y-0473	1	PLUG-CLEAR						
			9G-4872	1	STOPPER-RUBBER						
6	1		107-4057	2	SEAL-O-RING						
7	1		9W-8878	2	SEAL GP-DUO-CONE (EACH INCLUDES)						
			107-4888	1	RING-SEALING						
8	1		3K-6113	24	WASHER-HARD (12X18.5X3MM THK)						
9	1		5P-2546	24	BOLT-12 POINT HEAD (7/16-14X1.25 IN)						
10	1		8F-9516	2	SEAL-O-RING						
11	1		8E-6619	2	WASHER-THRUST (12X18.5X3MM THK)						



GRAPHIC #1

g00807821

# UNDERCARRIAGE

## 111-1729 IDLER GP-TRACK

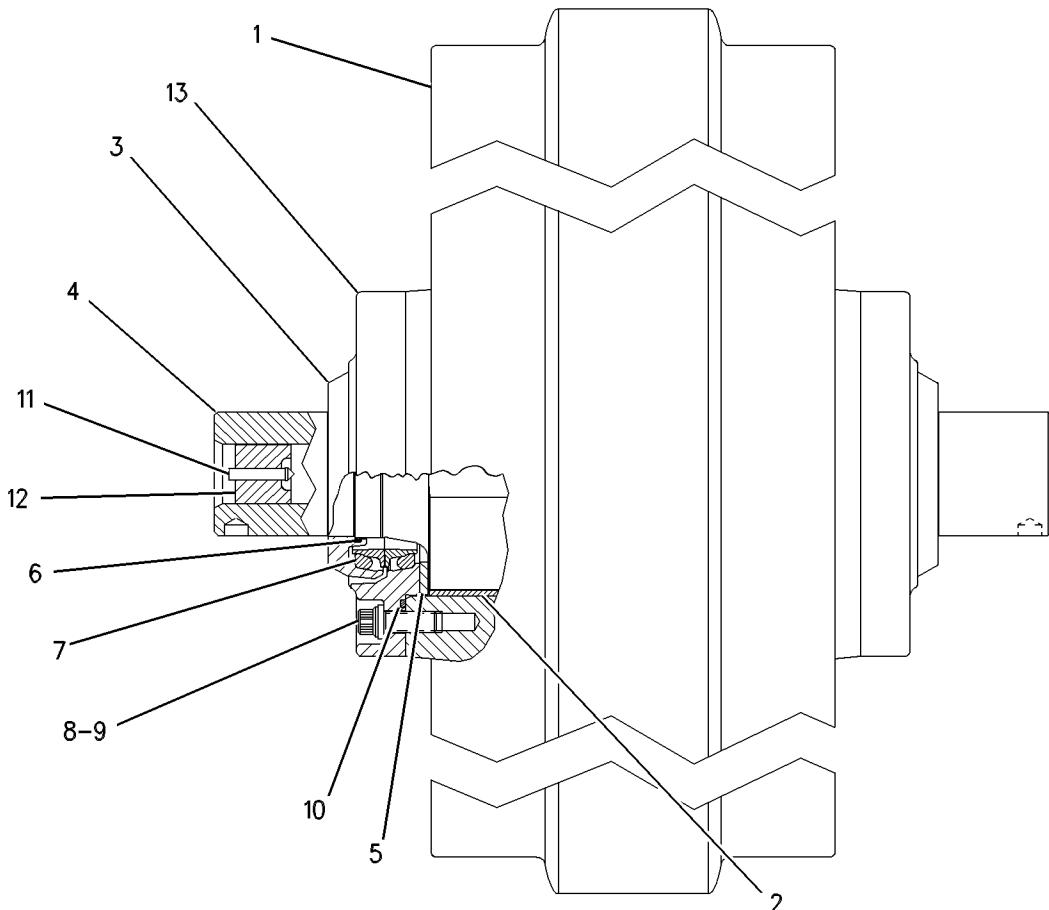
S/N: 9EM776-UP

PART OF 119-6395, 156-5684, 157-8036, 157-8037, 6Y-2585 UNDERCARRIAGE AR  
ALSO AN ATTACHMENT

SMCS-4159

i01205348

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		6Y-0553	1	IDLER & BEARING AS						
2	1		154-3298	2	BEARING-SLEEVE						
3	1		107-3947	2	COLLAR-SEAL						
4	1		154-3307	1	SHAFT-TRACK IDLER						
5	1		8E-6619	2	WASHER-THRUST						
6	1		107-4057	2	SEAL-O-RING (67.94MM ID)						
7	1		162-7863	2	SEAL GP-DUO-CONE (EACH INCLUDES)						
	1		162-2167	2	RING-TORIC						
8	1		3K-6113	24	WASHER-HARD (3MM THK)						
9	1		5P-2546	24	BOLT-12 POINT HEAD (7/16-14X1.25IN)						
10	1		8F-9516	2	SEAL-O-RING (139.29MM ID)						
11	1		6Y-0473	1	PLUG						
12	1		9G-4872	1	STOPPER-RUBBER						
13	1		107-3946	2	RETAINER						



GRAPHIC #1

g00595334

# UNDERCARRIAGE

## 111-1730 IDLER GP-TRACK

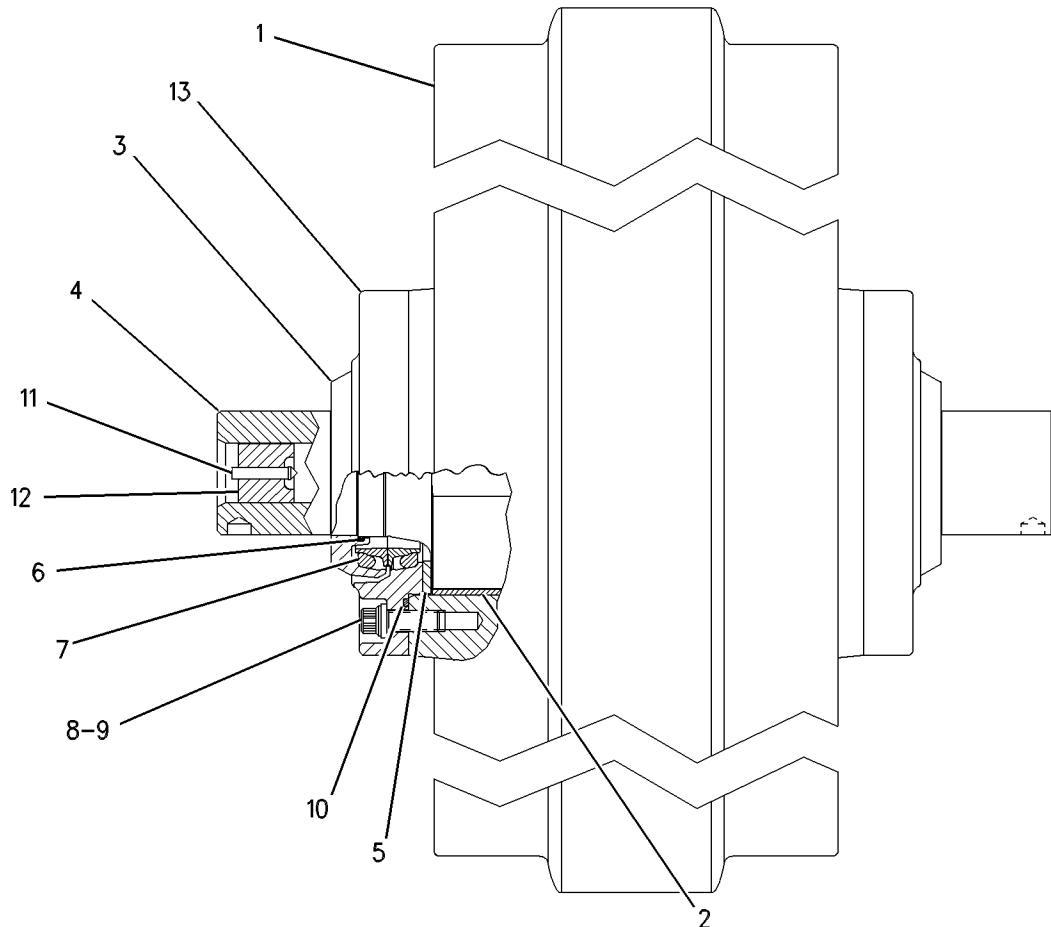
S/N: 9EM776-UP

PART OF 156-5684 UNDERCARRIAGE AR

SMCS-4159

i01205359

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		6Y-0556	1	IDLER & BEARING AS	
2	1		154-3298	2	BEARING-SLEEVE	
3	1		107-3947	2	COLLAR-SEAL	
4	1		154-3307	1	SHAFT-TRACK IDLER	
5	1		8E-6619	2	WASHER-THRUST	
6	1		107-4057	2	SEAL-O-RING (67.94MM ID)	
7	1		162-7863	2	SEAL GP-DUO-CONE (EACH INCLUDES)	
	1		162-2167	2	RING-TORIC	
8	1		3K-6113	24	WASHER-HARD (3MM THK)	
9	1		5P-2546	24	BOLT-12 POINT HEAD (7/16-14X1.25IN)	
10	1		8F-9516	2	SEAL-O-RING (139.29MM ID)	
11	1		6Y-0473	1	PLUG	
12	1		9G-4872	1	STOPPER-RUBBER	
13	1		107-3946	2	RETAINER	



GRAPHIC #1

g00595202

# UNDERCARRIAGE

## 166-3323 IDLER GP - TRACK

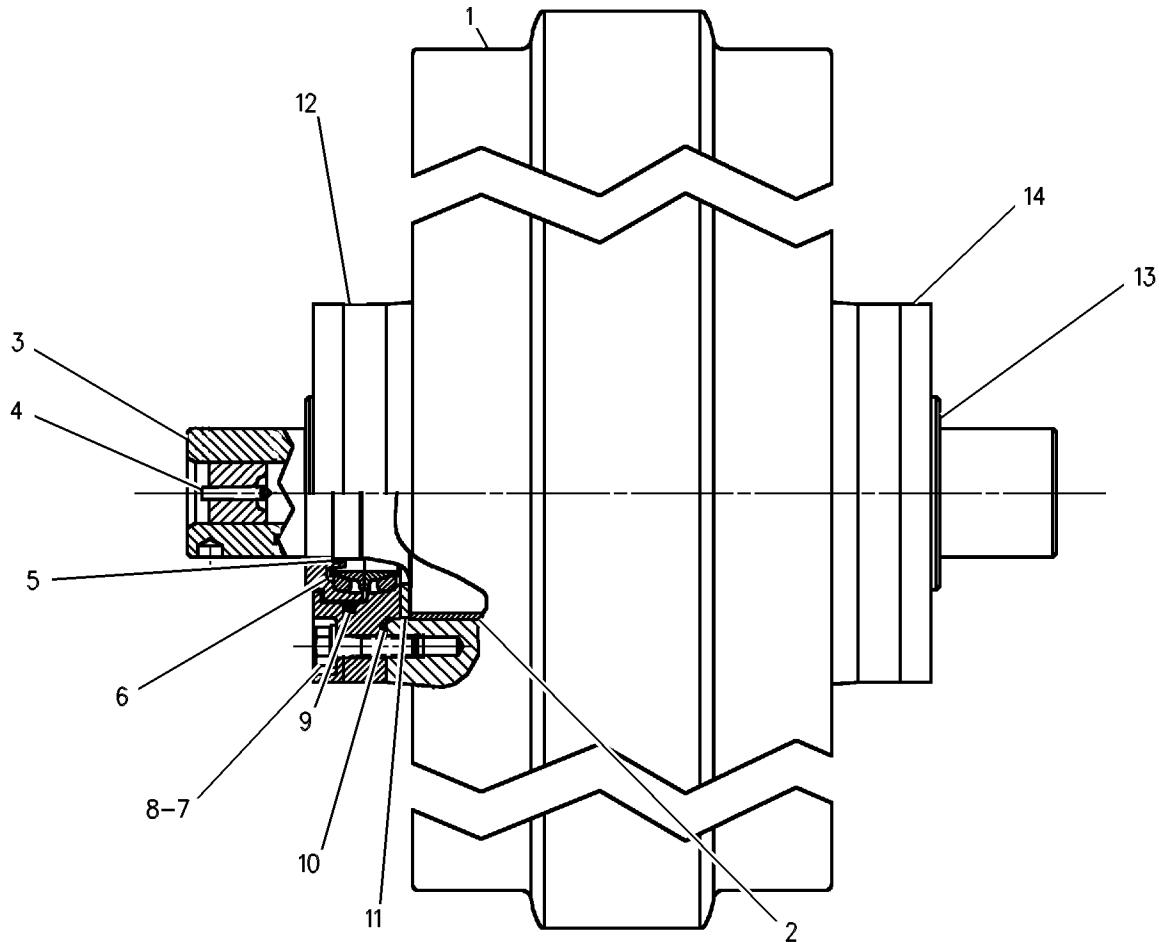
S/N: 9EM1-UP

PART OF 166-4428 GUARD AR-IDLER  
AN ATTACHMENT

SMCS-4159

i01442724

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		6Y-0556	1	IDLER & BEARING AS						
2	1		154-3298	2	BEARING-SLEEVE						
3	1		154-3307	1	SHAFT-TRACK IDLER						
4	1		6Y-0473	1	PLUG-CLEAR						
	1		9G-4872	1	STOPPER-RUBBER						
5	1		107-4057	2	SEAL-O-RING						
6	1		162-7863	2	SEAL GP-DUO-CONE						
	1		162-2167	2	RING-TORIC						
7	1		8C-6877	24	BOLT (7/16-14X1.75 IN)						
8	1		8T-5360	24	WASHER (12X22.5X2.5MM THK)						
9	1		166-3322	2	SEAL						
10	1		8F-9516	2	SEAL-O-RING						
11	1		8E-6619	2	WASHER-THRUST						
12	1		166-3320	2	RETAINER						
13	1		166-3321	2	COLLAR-SEAL						
14	1		166-3324	2	PLATE						



GRAPHIC #1

g00563149

# UNDERCARRIAGE

## 166-4420 IDLER GP - TRACK

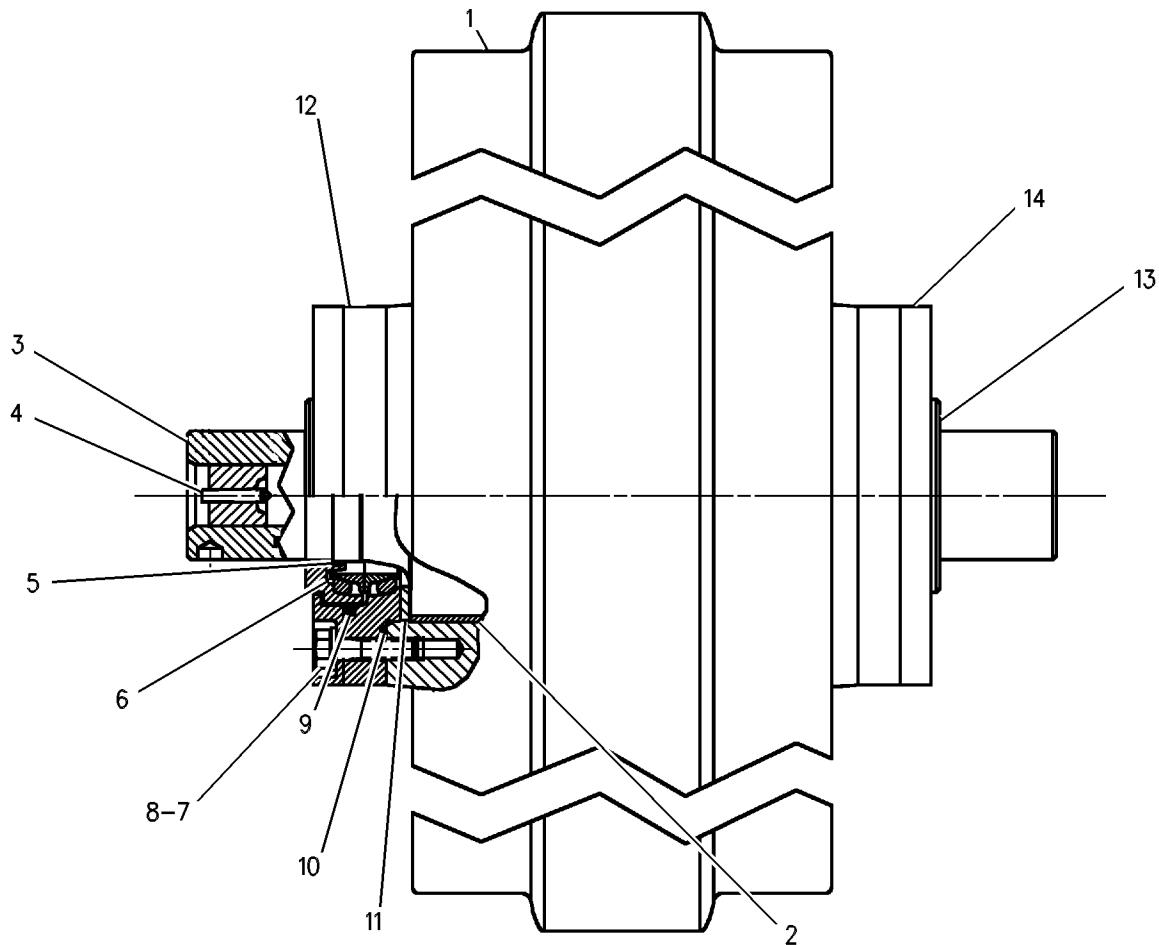
S/N: 9EM1-UP

PART OF 166-4427, 166-4428 GUARD AR-IDLER  
AN ATTACHMENT

SMCS-4159

i01442734

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE					
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		6Y-0553	1	IDLER & BEARING AS						
2	1		154-3298	2	BEARING-SLEEVE						
3	1		154-3307	1	SHAFT-TRACK IDLER						
4	1		6Y-0473	1	PLUG-CLEAR						
	1		9G-4872	1	STOPPER-RUBBER						
5	1		107-4057	2	SEAL-O-RING						
6	1		162-7863	2	SEAL GP-DUO-CONE						
7	1		8C-6877	24	BOLT (7/16-14X1.75 IN)						
8	1		8T-5360	24	WASHER (12X22.5X2.5MM THK)						
9	1		166-3322	2	SEAL						
10	1		8F-9516	2	SEAL-O-RING						
11	1		8E-6619	2	WASHER-THRUST						
12	1		166-3320	2	RETAINER						
13	1		166-3321	2	COLLAR-SEAL						
14	1		166-3324	2	PLATE						



GRAPHIC #1

g00563196

# UNDERCARRIAGE

## 8E-4518 LINK AS-TRACK

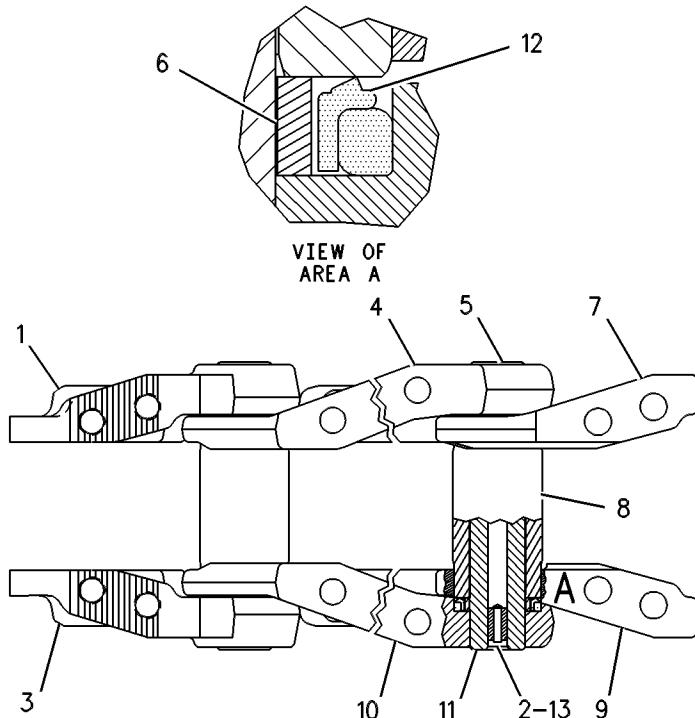
S/N: 9EM1-UP

PART OF 6Y-4124, 8E-7696, 8E-7698, 8E-7699, 8E-7700 TRACK GP  
ALSO AN ATTACHMENT

SMCS-4169, 4171

i01532318

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		8E-4060	1	LINK-MASTER-LH (PIN END)							
2	1		6Y-0473	44	PLUG-CLEAR							
3	1		8E-4059	1	LINK-MASTER-RH (PIN END)							
4	1		8E-4506	43	LINK-TRACK (LH)							
5	1		199-2794	43	PIN-TRACK							
6	1		152-8073	88	RING-THRUST							
7	1		8E-4458	1	LINK-MASTER-LH (BUSHING END)							
8	1		6Y-3914	44	BUSHING-TRACK							
9	1		8E-4457	1	LINK-MASTER (BUSHING END)							
10	1		8E-4505	43	LINK-TRACK (RH)							
11	1		9W-5588	1	PIN-TRACK							
	1		3T-9118	2	RING-RETAINING							
12	1		8E-9648	88	SEAL AS							
13	1		7G-4332	44	STOPPER							



GRAPHIC #1

g00272905

# UNDERCARRIAGE

## 6Y-3515 LUBRICATION GP-PIVOT SHAFT

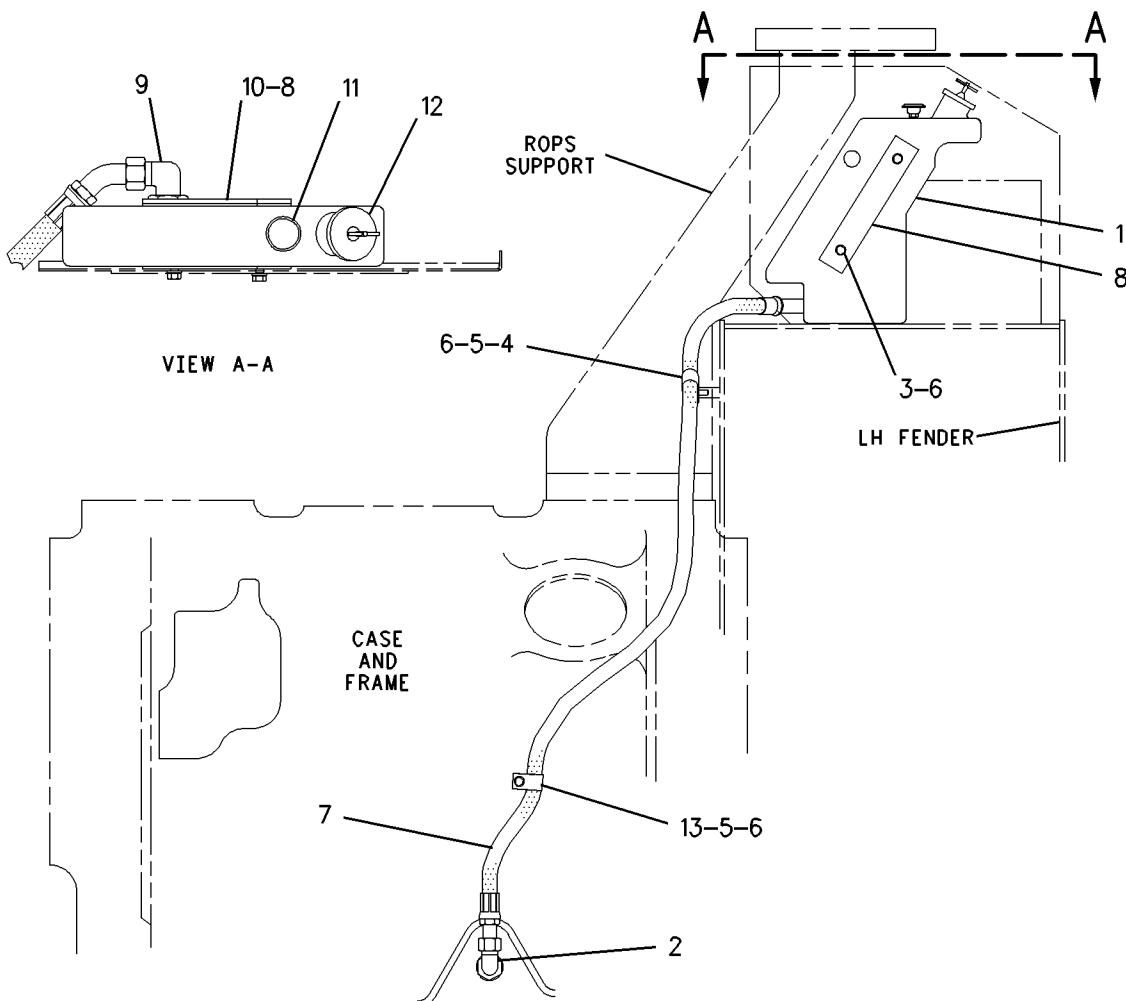
S/N: 9EM1-UP

SMCS-3286

i01466738

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		8E-2931	1	BOTTLE							
2	1		148-8360	1	ELBOW GP							
	1		6V-9182	1	ELBOW							
	1		7M-8485	1	SEAL-O-RING							
	1		6V-9746	1	SEAL-O-RING							
3	1		5M-3062	2	BOLT (3/8-16X0.75 IN)							
4	1		4S-1962	1	CLIP (SLOT)							
5	1		5S-7379	2	BOLT (3/8-16X0.875 IN)							
6	1		8T-4896	4	WASHER-HARD (10.2X18.5X2.5MM THK)							
I	7	1	8E-5407	1	HOSE AS							
	8	1	8E-3698	2	PAD							
	9	1	148-8347	1	ELBOW GP							
	1		6V-9746	1	SEAL-O-RING							
	1		6V-9007	1	ELBOW							
	1		3D-2824	1	SEAL-O-RING							
10	1		8E-3696	1	SUPPORT AS							
11	1		9G-5127	1	BREATHER							
12	1		8E-3410	1	CAP AS-OIL LEVEL							
13	1		9M-4972	1	CLIP							

I- SEE HOSE FABRICATION GUIDE



GRAPHIC #1

g00766098

# UNDERCARRIAGE

## 180-3489 ROLLER AR - TRACK CARRIER-CARRIER

S/N: 9EM1213-UP

GUARD READY

AN ATTACHMENT

SMCS-4154

i01489052

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	6T-1142	4	CAP GP - TRACK ROLLER						634
Y	196-9947	2	ROLLER GP - TRACK - SINGLE FLANGE						686
	7X-0408	16	BOLT (1-8X3.50 IN)						
	116-4794	4	BRACKET AS						
	175-3637	1	FRAME AS-ROLLER						
	175-3638	1	FRAME AS-ROLLER						
	8T-5361	16	WASHER-HARD (28X49X5MM THK)						

Y-SEPARATE ILLUSTRATION

# UNDERCARRIAGE

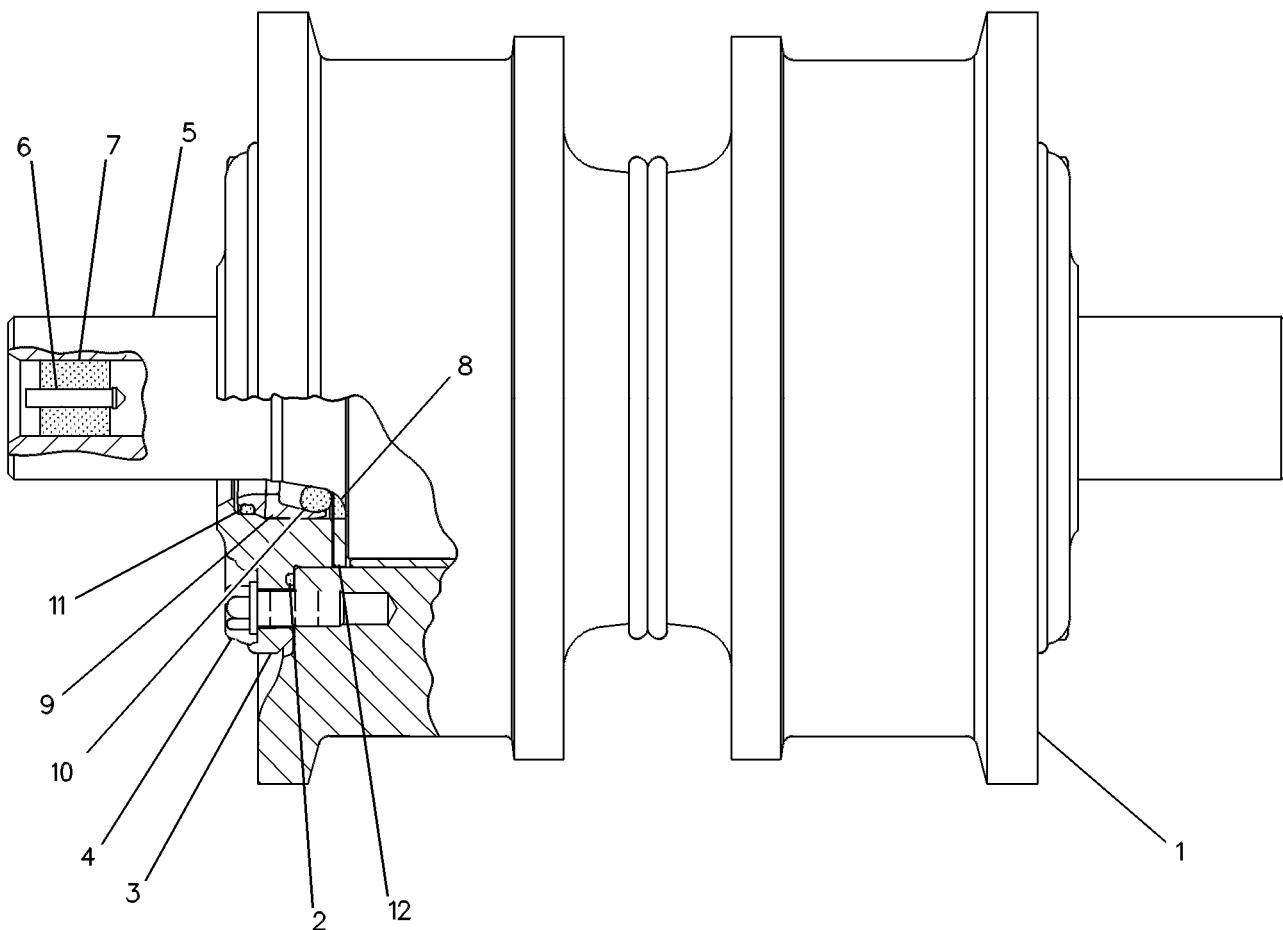
## 9W-8706 ROLLER GP - TRACK - DOUBLE FLANGE

S/N: 9EM1-781

SMCS-4180

i00571965

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		9W-8709	1	ROLLER & BEARING AS	
2	1		5F-3106	2	SEAL-O-RING (126.59MM ID)	
3	1		9W-8047	2	RETAINER	
4	1		OS-1595	12	BOLT (1/2-13X1.25IN)	
	1		5P-8245	12	WASHER (3MM THK)	
5	1		6T-7500	1	SHAFT-TRACK ROLLER	
6	1		6Y-0473	1	PLUG-CLEAR	
7	1		9G-5664	1	STOP-RUBBER	
8	1		6T-4871	2	STABILIZER-SEAL	
9	1		9W-6649	2	SEAL GP-DUO-CONE (EACH INCLUDES)	
10	1		6P-8912	1	RING-SEALING (60.34MM ID)	
11	1		6V-2701	1	SEAL-O-RING (72.39MM ID)	
12	1		8E-7510	2	WASHER-THRUST	



GRAPHIC #1

g00237350

# UNDERCARRIAGE

## 132-7929 ROLLER GP - TRACK - DOUBLE FLANGE

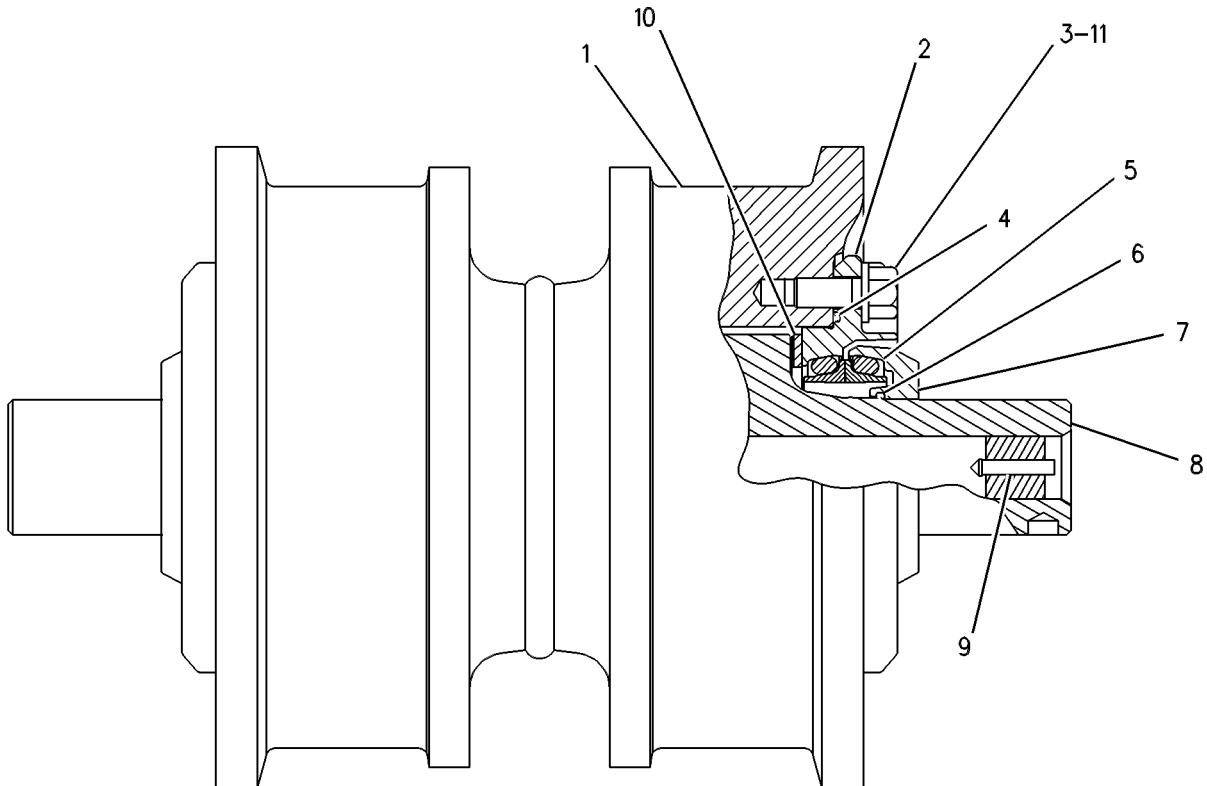
S/N: 9EM782-1212

PART OF 119-6395, 6Y-2585 UNDERCARRIAGE AR  
ALSO AN ATTACHMENT

SMCS-4180

i01211919

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
1	1		9W-8709	1	ROLLER & BEARING AS							
			1	9W-9844	2	BEARING-SLEEVE						
2	1		107-8085	2	RETAINER							
3	1		0S-1595	12	BOLT (1/2-13X1.25IN)							
4	1		5F-3106	2	SEAL-O-RING (126.59MM ID)							
5	1		162-7862	2	SEAL GP-DUO-CONE (EACH INCLUDES)							
			1	162-2166	2	RING-TORIC						
6	1		7J-2036	2	SEAL-O-RING							
7	1		107-3945	2	COLLAR-SEAL							
8	1		107-8084	1	SHAFT-TRACK ROLLER							
9	1		6Y-0473	1	PLUG							
			1	9G-5664	1	STOPPER-RUBBER						
10	1		8E-7510	2	WASHER-THRUST							
11	1		5P-8245	12	WASHER-HARD (3MM THK)							



GRAPHIC #1

g00271185

# UNDERCARRIAGE

## 196-9946 ROLLER GP - TRACK - DOUBLE FLANGE

S/N: 9EM1213-UP

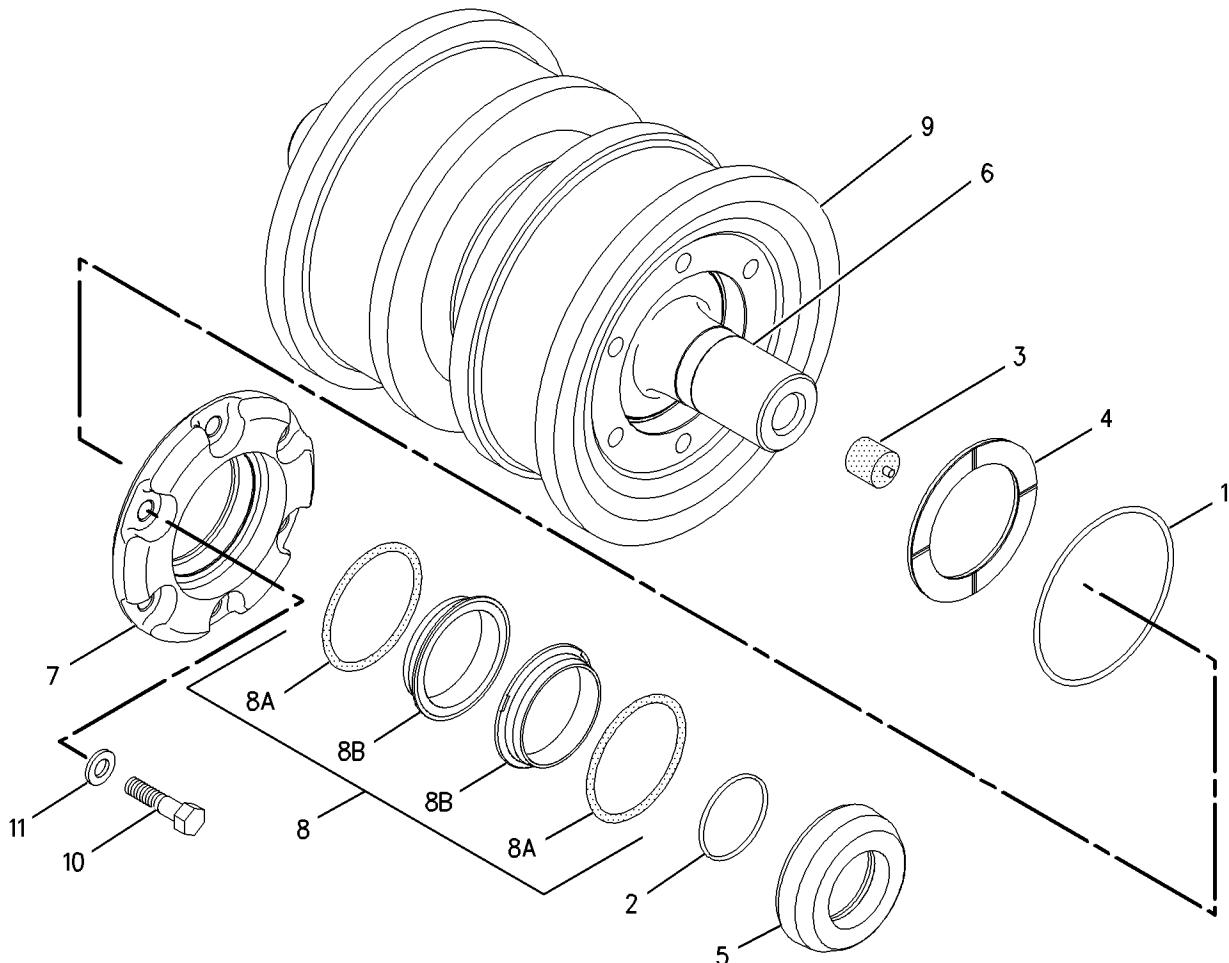
PART OF 156-5684, 157-8036, 157-8037, 6Y-2585 UNDERCARRIAGE AR  
ALSO AN ATTACHMENT

SMCS-4180

i01486674

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		5F-3106	2	SEAL-O-RING	
2	1		7J-2036	2	SEAL-O-RING	
3	1		9G-5664	1	STOPPER-RUBBER	
	1		6Y-0473	1	PLUG-CLEAR	
4	1		8E-7510	2	WASHER-THRUST	
5	1		107-3945	2	COLLAR-SEAL	
6	1		107-8084	1	SHAFT-TRACK ROLLER	
7	1		107-8085	2	RETAINER	
8	1		162-7862	2	SEAL GP-DUO-CONE (EACH INCLUDES)	
8A	1		162-2166	2	RING-TORIC	
Z	8B	1		2	SEAL-RING	
9	1		196-9948	1	ROLLER & BEARING AS	
	1		9W-9844	2	BEARING-SLEEVE	
10	1		1A-1460	12	BOLT (1/2-13X2 IN)	
11	1		5P-8245	12	WASHER-HARD (13.5X25.5X3MM THK)	

Z-NOT SERVICED SEPARATELY



GRAPHIC #1

g00767716

# UNDERCARRIAGE

## 197-7638 ROLLER GP - TRACK - DOUBLE FLANGE

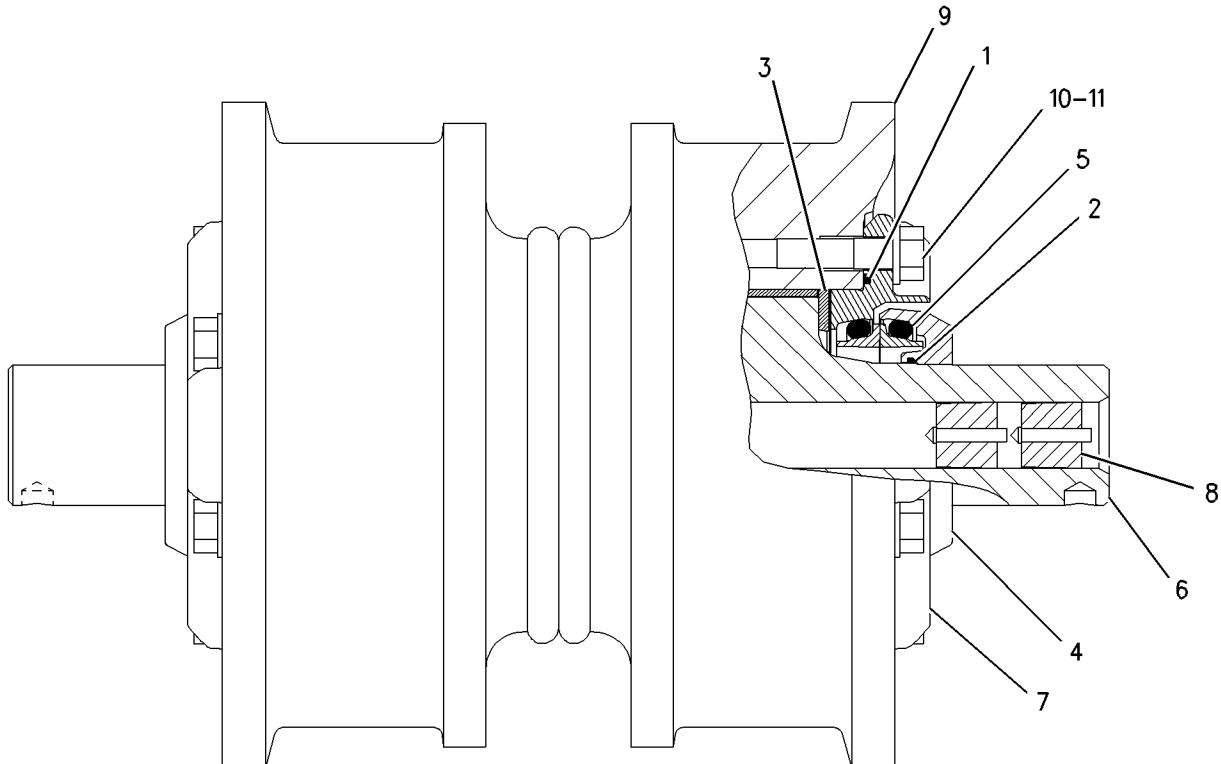
S/N: 9EM1-UP

EXTREME TEMPERATURE  
PART OF 102-4373 COLD WEATHER AR  
AN ATTACHMENT

**SMCS-4180**

**i01541373**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
1	1		4S-5898	2	SEAL - O-RING							
2	1		7J-2036	2	SEAL - O-RING							
3	1		8E-7510	2	WASHER - THRUST							
4	1		107-3945	2	COLLAR - SEAL							
5	1		107-4889	2	SEAL GP - DUO - CONE							
					(EACH INCLUDES)							
	1		9M-9730	2	RING - SEALING							
6	1		107-8084	1	SHAFT - TRACK ROLLER							
7	1		107-8085	2	RETAINER							
8	1		3T-3799	1	PLUG - HIGH TEMPERATURE							
	1		160-4929	1	STOP - RUBBER							
9	1		196-9948	1	ROLLER & BEARING AS							
	1		9W-9844	2	BEARING - SLEEVE							
	1		196-9950	1	RIM AS							
10	1		1A-1460	12	BOLT (1/2-13X2 IN)							
11	1		5P-8245	12	WASHER - HARD (13.5X25.5X3MM THK)							



GRAPHIC #1

g00809012

# UNDERCARRIAGE

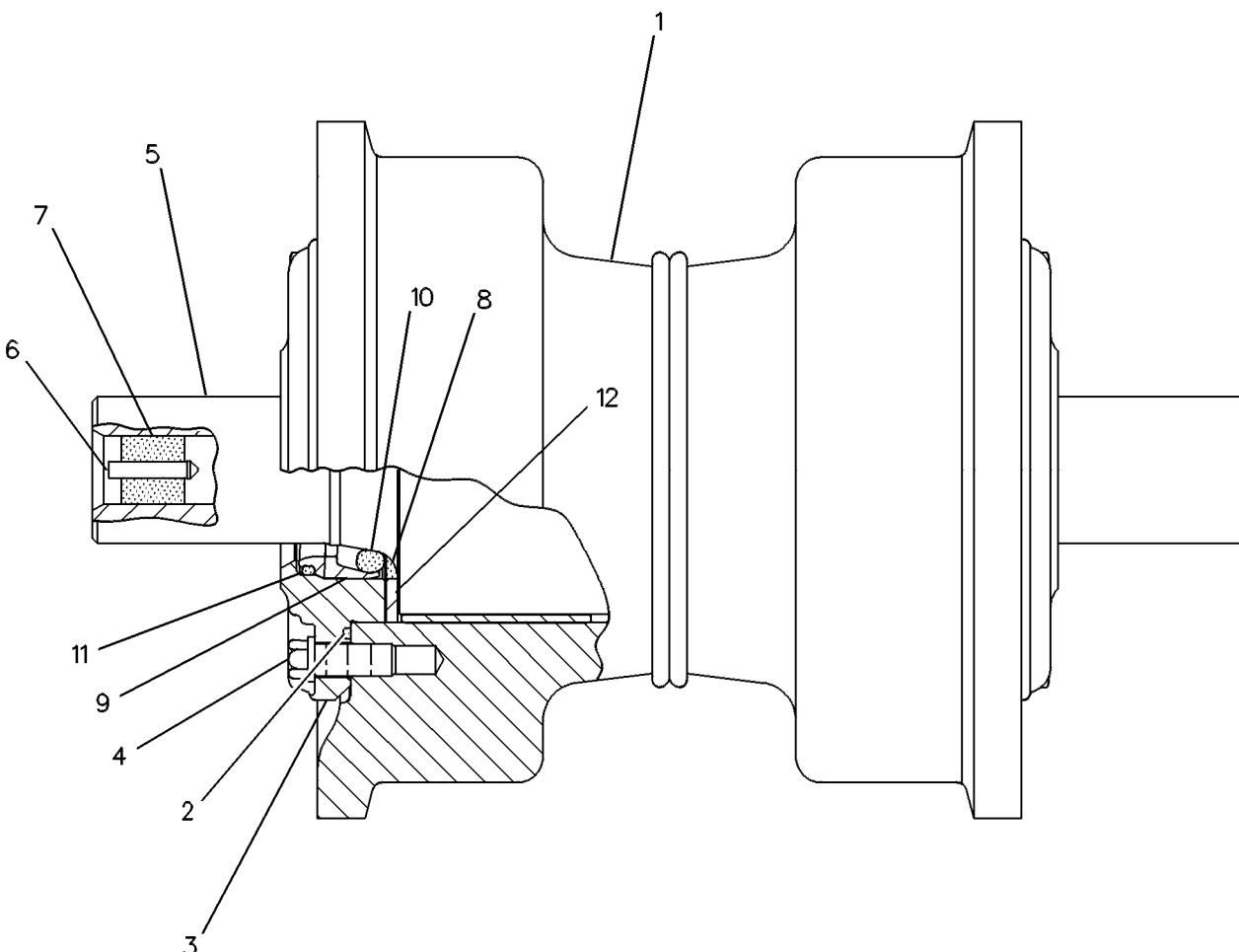
## 9W-8705 ROLLER GP-TRACK-SINGLE FLANGE

S/N: 9EM1-781

SMCS-4180

i00571957

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		9W-8710	1	ROLLER & BEARING AS							
2	1		5F-3106	2	SEAL-O-RING (126.59MM ID)							
3	1		9W-8047	2	RETAINER							
4	1		OS-1595	12	BOLT (1/2-13X1.25IN)							
	1		5P-8245	12	WASHER (3MM THK)							
5	1		6T-7500	1	SHAFT-TRACK ROLLER							
6	1		6Y-0473	1	PLUG-CLEAR							
7	1		9G-5664	1	STOP-RUBBER							
8	1		6T-4871	2	STABILIZER-SEAL							
9	1		9W-6649	2	SEAL GP-DUO-CONE (EACH INCLUDES)							
10	1		6P-8912	1	RING-SEALING (60.34MM ID)							
11	1		6V-2701	1	SEAL-O-RING (72.39MM ID)							
12	1		8E-7510	2	WASHER-THRUST							



GRAPHIC #1

g00237348

# UNDERCARRIAGE

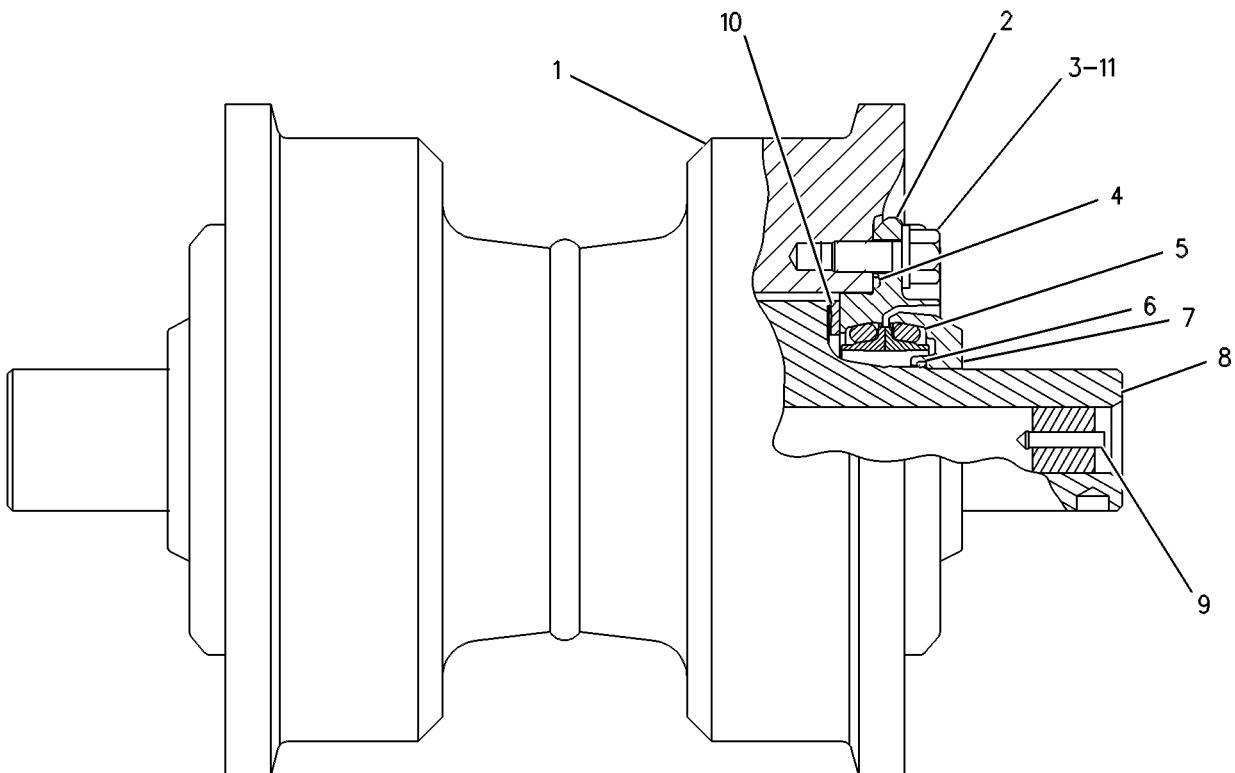
## 132-7928 ROLLER GP - TRACK - SINGLE FLANGE

S/N: 9EM782-1212  
PART OF 119-6395 UNDERCARRIAGE AR  
ALSO AN ATTACHMENT

SMCS-4180

i01211894

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
1	1		9W-8710	1	ROLLER & BEARING AS							
			1	9W-9844	2	BEARING-SLEEVE						
2	1		107-8085	2	RETAINER							
3	1		0S-1595	12	BOLT (1/2-13X1.25IN)							
4	1		5F-3106	2	SEAL-O-RING (126.59MM ID)							
5	1		162-7862	2	SEAL GP-DUO-CONE (EACH INCLUDES)							
			1	162-2166	2	RING-TORIC						
6	1		7J-2036	2	SEAL-O-RING							
7	1		107-3945	2	COLLAR-SEAL							
8	1		107-8084	1	SHAFT-TRACK ROLLER							
9	1		6Y-0473	1	PLUG							
			1	9G-5664	1	STOPPER-RUBBER						
10	1		8E-7510	2	WASHER-THRUST							
11	1		5P-8245	12	WASHER-HARD (3MM THK)							



GRAPHIC #1

g00297009

# UNDERCARRIAGE

## 196-9947 ROLLER GP - TRACK - SINGLE FLANGE

S/N: 9EM1213-UP

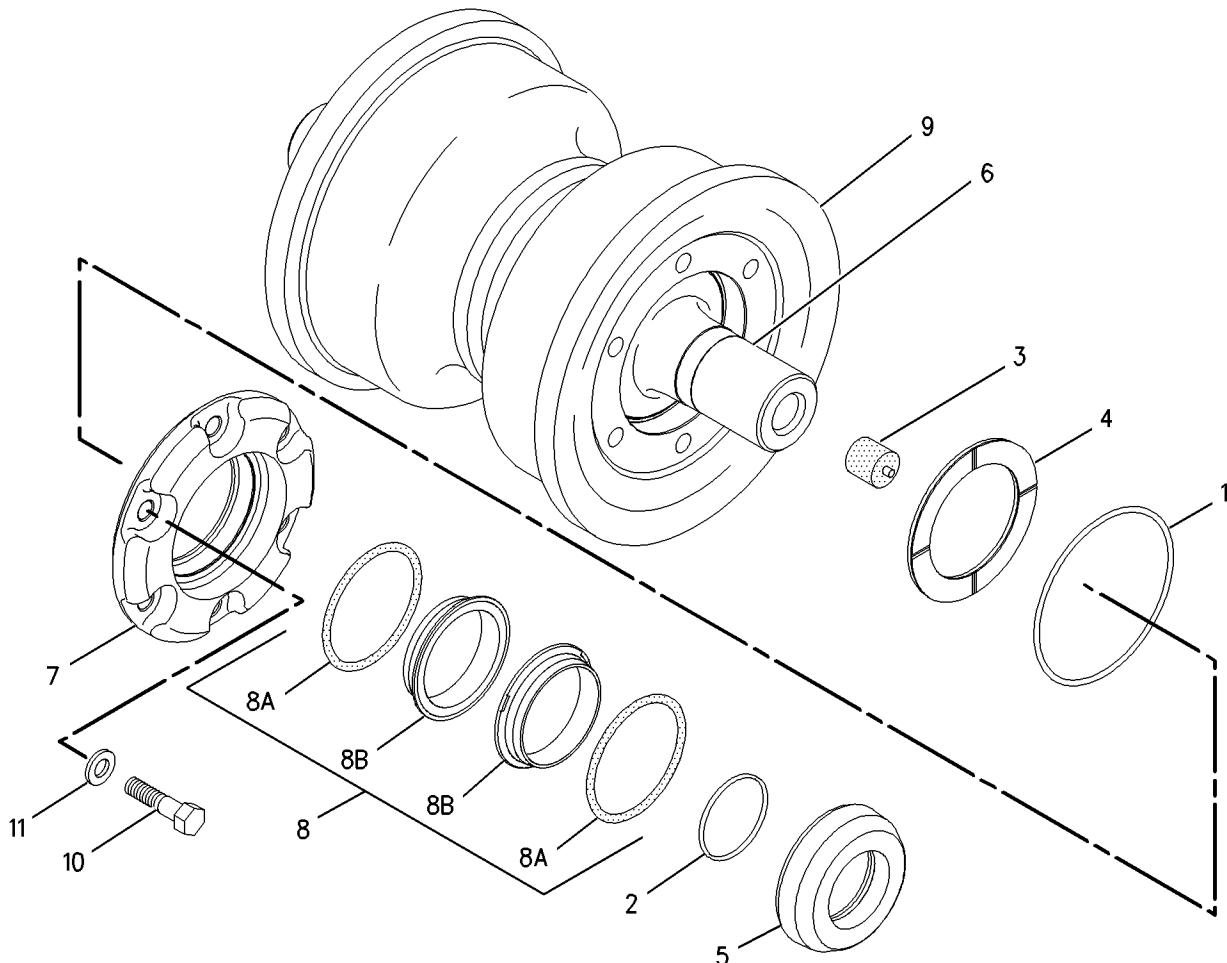
PART OF 180-3489 ROLLER AR-TRACK CARRIER, 156-5684, 157-8037 UNDERCARRIAGE AR  
ALSO AN ATTACHMENT

SMCS-4180

i01486675

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		5F-3106	2	SEAL-O-RING	
2	1		7J-2036	2	SEAL-O-RING	
3	1		9G-5664	1	STOPPER-RUBBER	
	1		6Y-0473	1	PLUG-CLEAR	
4	1		8E-7510	2	WASHER-THRUST	
5	1		107-3945	2	COLLAR-SEAL	
6	1		107-8084	1	SHAFT-TRACK ROLLER	
7	1		107-8085	2	RETAINER	
8	1		162-7862	2	SEAL GP-DUO-CONE (EACH INCLUDES)	
8A	1		162-2166	2	RING-TORIC	
Z	8B	1		2	SEAL-RING	
9	1		196-9949	1	ROLLER & BEARING AS	
	1		9W-9844	2	BEARING-SLEEVE	
10	1		1A-1460	12	BOLT (1/2-13X2 IN)	
11	1		5P-8245	12	WASHER-HARD (13.5X25.5X3MM THK)	

Z-NOT SERVICED SEPARATELY



GRAPHIC #1

g00767772

# UNDERCARRIAGE

## 197-7637 ROLLER GP - TRACK - SINGLE FLANGE

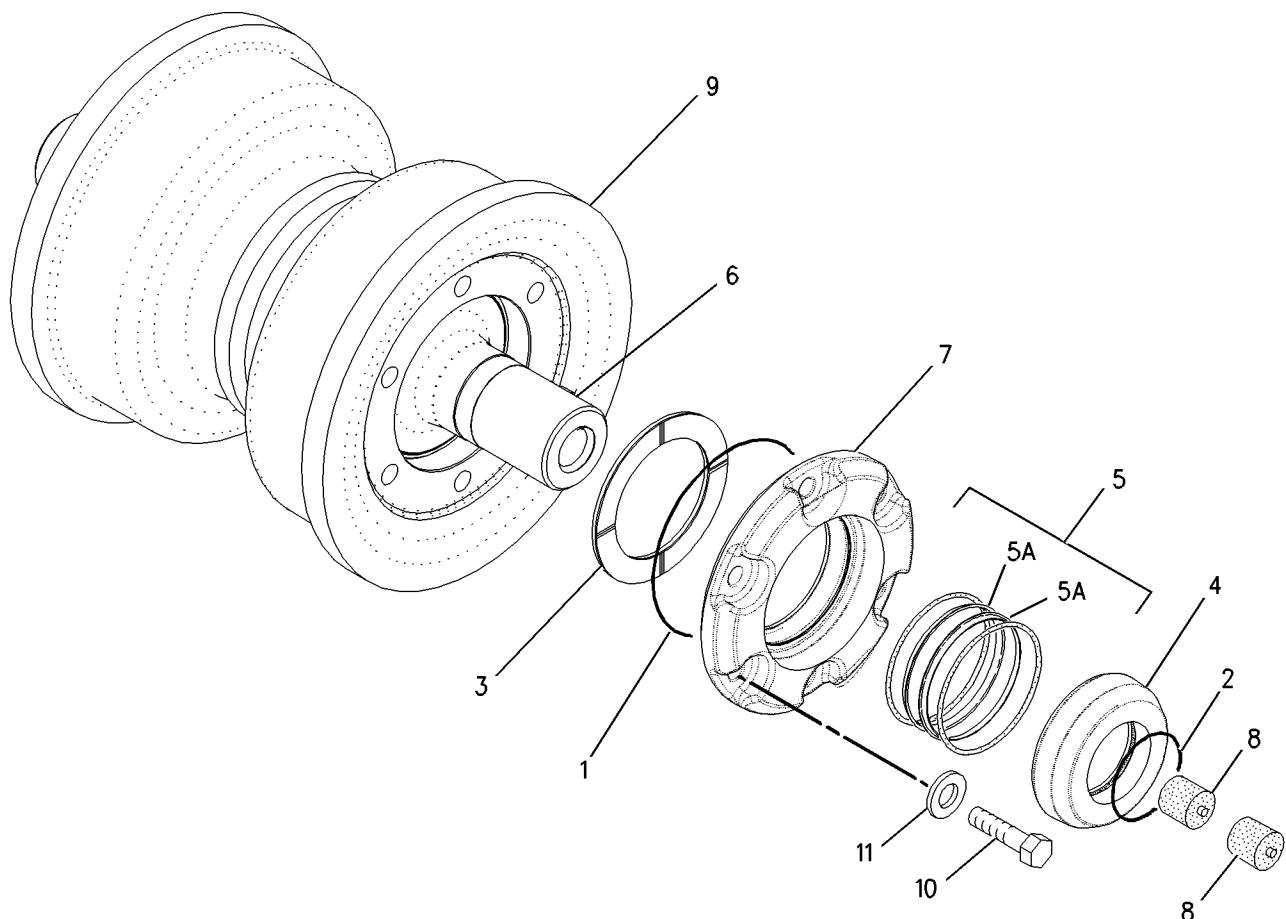
S/N: 9EM1-UP

EXTREME TEMPERATURE  
PART OF 102-4373 COLD WEATHER AR  
AN ATTACHMENT

**SMCS-4180**

**i01541375**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
1	1		4S-5898	2	SEAL - O-RING							
2	1		7J-2036	2	SEAL - O-RING							
3	1		8E-7510	2	WASHER - THRUST							
4	1		107-3945	2	COLLAR - SEAL							
5	1		107-4889	2	SEAL GP - DUO - CONE (EACH INCLUDES)							
5A	1		9M-9730	2	RING - SEALING							
6	1		107-8084	1	SHAFT - TRACK ROLLER							
7	1		107-8085	2	RETAINER							
8	1		3T-3799	2	PLUG - HIGH TEMPERATURE							
	1		160-4929	2	STOP - RUBBER							
9	1		196-9949	1	ROLLER & BEARING AS							
	1		9W-9844	2	BEARING - SLEEVE							
10	1		1A-1460	12	BOLT (1/2-13X2 IN)							
11	1		5P-8245	12	WASHER - HARD (13.5X25.5X3MM THK)							



GRAPHIC #1

g00811717

**UNDERCARRIAGE**  
**7T-2540 SUSPENSION GP-BOGIE**  
S/N: 9EM1-UP  
PART OF 156-5684 UNDERCARRIAGE AR

SMCS-7217

i01497185

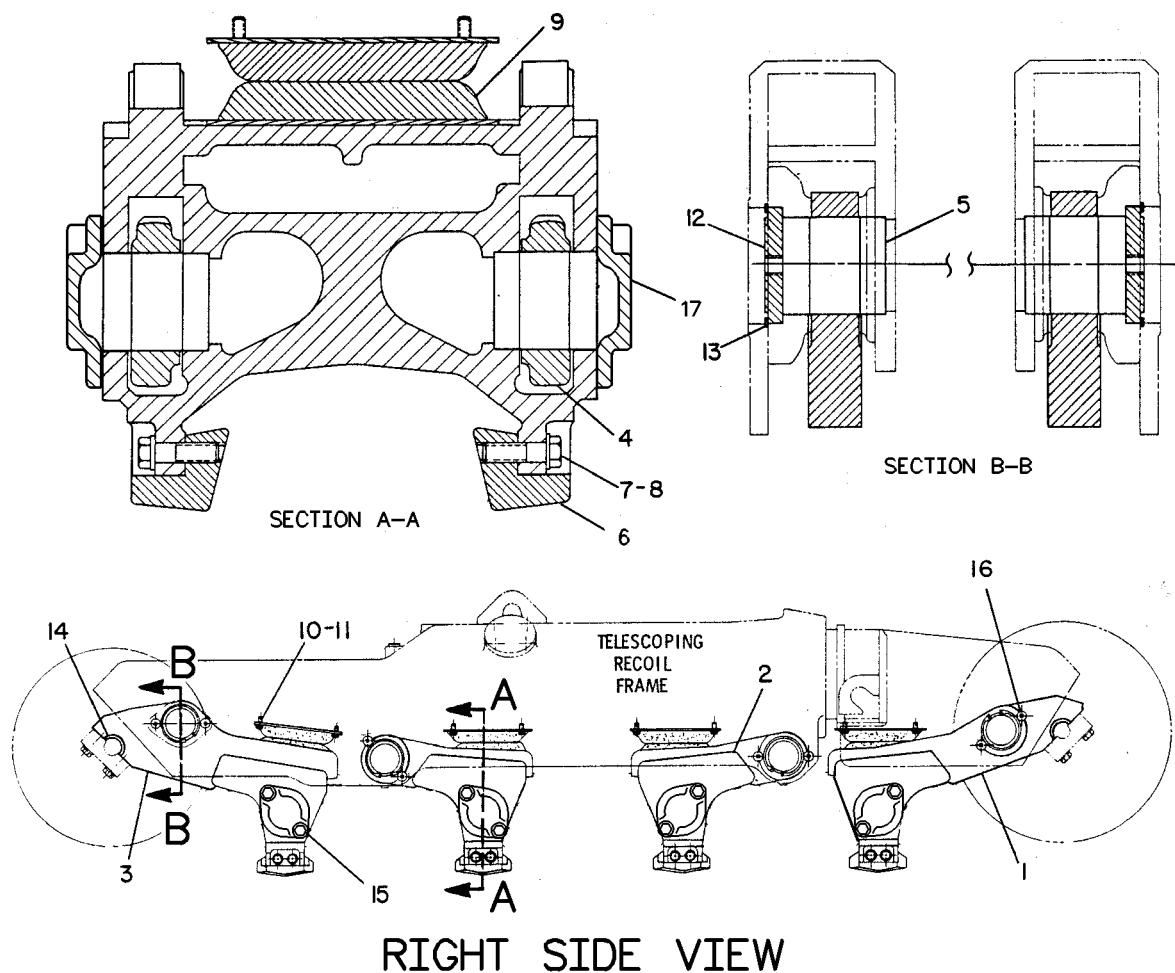
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
1	1		9W-7417	2	BOGIE AS-FRONT							
2	1		7T-4697	4	BOGIE AS-MIDDLE							
3	1		9W-7416	2	BOGIE AS-REAR							
4	1		7T-8555	16	BOGIE-MINOR							
5	1		7T-9307	32	PIN AS-CARTRIDGE (EACH INCLUDES)							
	1		9G-4872	2	STOPPER-RUBBER							
	1		6Y-0473	2	PLUG-CLEAR							
6	1		184-4395	16	GUIDE							
7	1		8C-6857	32	BOLT (3/4-10X2.75 IN)							
8	1		8T-4994	32	WASHER-HARD (20X36.5X3.5MM THK)							
9	1		7T-4700	16	PAD AS-RESILIENT							
10	1		7X-0307	64	BOLT (7/16-14X.750IN)							
11	1		8T-5360	64	WASHER (12X22.5X2.5MM THK)							
12	1		7G-5221	16	PLATE-RETAINER							
13	1		067-3161	16	RING-RETAINING							
C	14	1	9W-4481	8	INSERT							
	15	1	8S-4755	32	BOLT (1-14X1.5IN)							
	16	1	9G-7516	32	PLUG							
	17	1	9P-7823	16	COVER							

C - CHANGE FROM PREVIOUS TYPE

# UNDERCARRIAGE

7T-2540 SUSPENSION GP-BOGIE (contd.)

i01497185



GRAPHIC #1

g00220606

# UNDERCARRIAGE

## 101-4193 TRACK ADJUSTER & RECOIL GP

S/N: 9EM1-1212

PART OF 119-6395, 6Y-2585 UNDERCARRIAGE AR  
ALSO AN ATTACHMENT

**SMCS-4157, 4158**

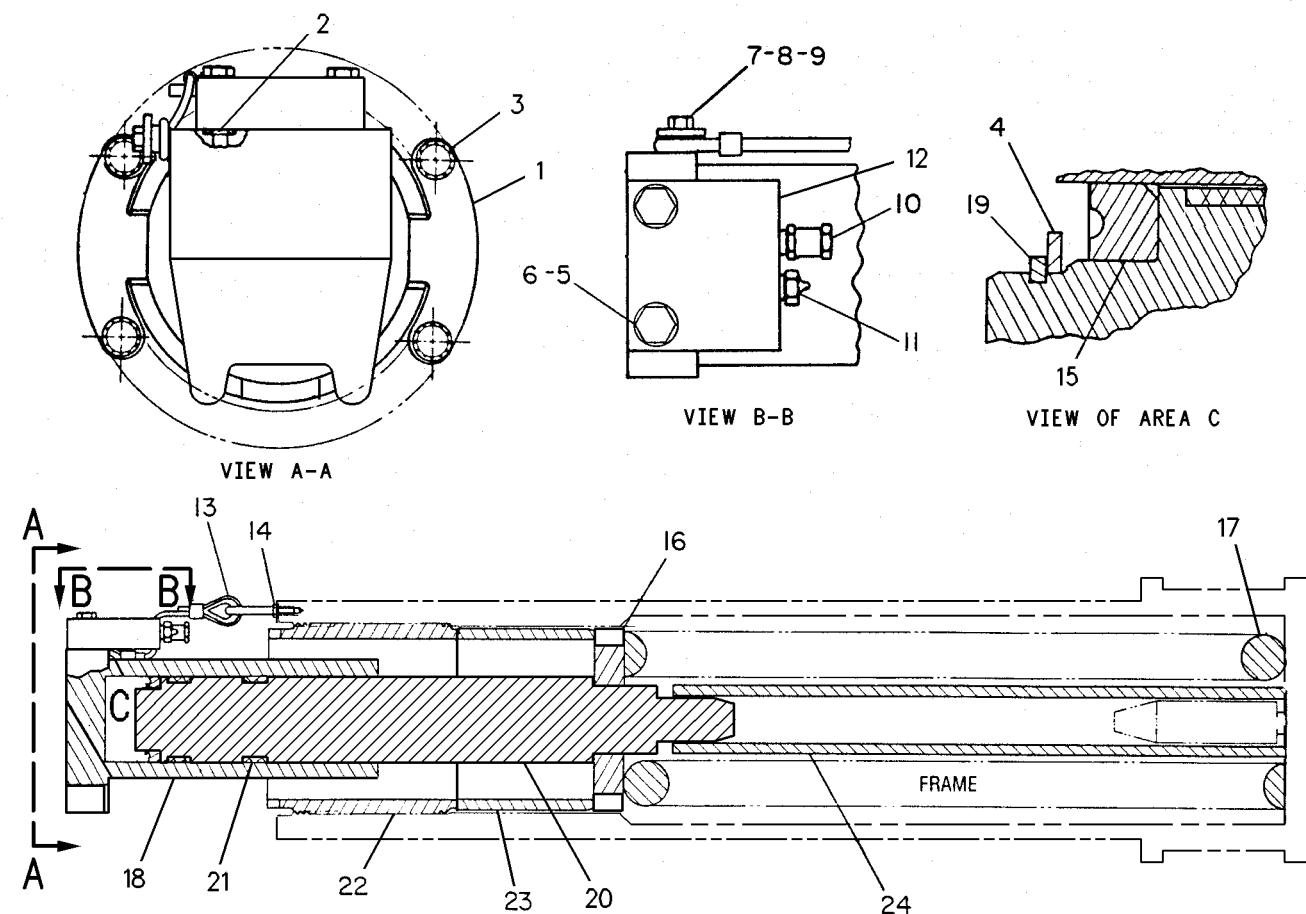
**i01066049**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		<b>7T-4213</b>	4	STOP	
2	1		<b>6J-1038</b>	4	SEAL-O-RING	
3	1		<b>6J-3991</b>	8	BOLT-12 POINT HEAD	
4	1		<b>9W-6074</b>	2	RETAINER	
5	1		<b>8T-4835</b>	4	BOLT (1/2X2.0 IN)	
6	1		<b>8T-4223</b>	4	WASHER-HARD (3MM THK)	
7	1		<b>5S-7382</b>	2	BOLT (3/8-16X34.92)	
8	1		<b>8T-4897</b>	2	WASHER (6MM THK)	
9	1		<b>1L-5081</b>	2	SPACER (9/16IN THK)	
10	1		<b>2S-5926</b>	2	VALVE (RELIEF)	
11	1		<b>2S-5925</b>	2	VALVE (FILL)	
12	1		<b>7T-4200</b>	2	COVER	
13	1		<b>7T-4209</b>	2	CABLE AS	
					(EACH INCLUDES)	
	1		<b>1P-7405</b>	1	EYEBOLT	
14	1		<b>6V-8801</b>	2	NUT (3/8-16 THD)	
15	1		<b>8T-2185</b>	2	SEAL	
16	1		<b>104-6372</b>	2	PLATE	
17	1		<b>7T-4616</b>	2	SPRING	
18	1		<b>7T-3697</b>	2	CYLINDER AS	
19	1		<b>8H-8830</b>	2	RING-RETAINING	
20	1		<b>104-6374</b>	2	PISTON	
21	1		<b>1M-1571</b>	4	RING-WEAR	
22	1		<b>7T-4214</b>	2	RETAINER	
23	1		<b>7T-4208</b>	2	SPACER	
24	1		<b>104-6371</b>	2	TUBE	

# UNDERCARRIAGE

101-4193 TRACK ADJUSTER & RECOIL GP (*contd.*)

i01066049



GRAPHIC #1

g00233286

# UNDERCARRIAGE

## 154-3325 TRACK ADJUSTER & RECOIL GP

S/N: 9EM1213-UP

PART OF 156-5684, 157-8036, 157-8037 UNDERCARRIAGE AR  
ALSO AN ATTACHMENT

**SMCS-4157, 4158**

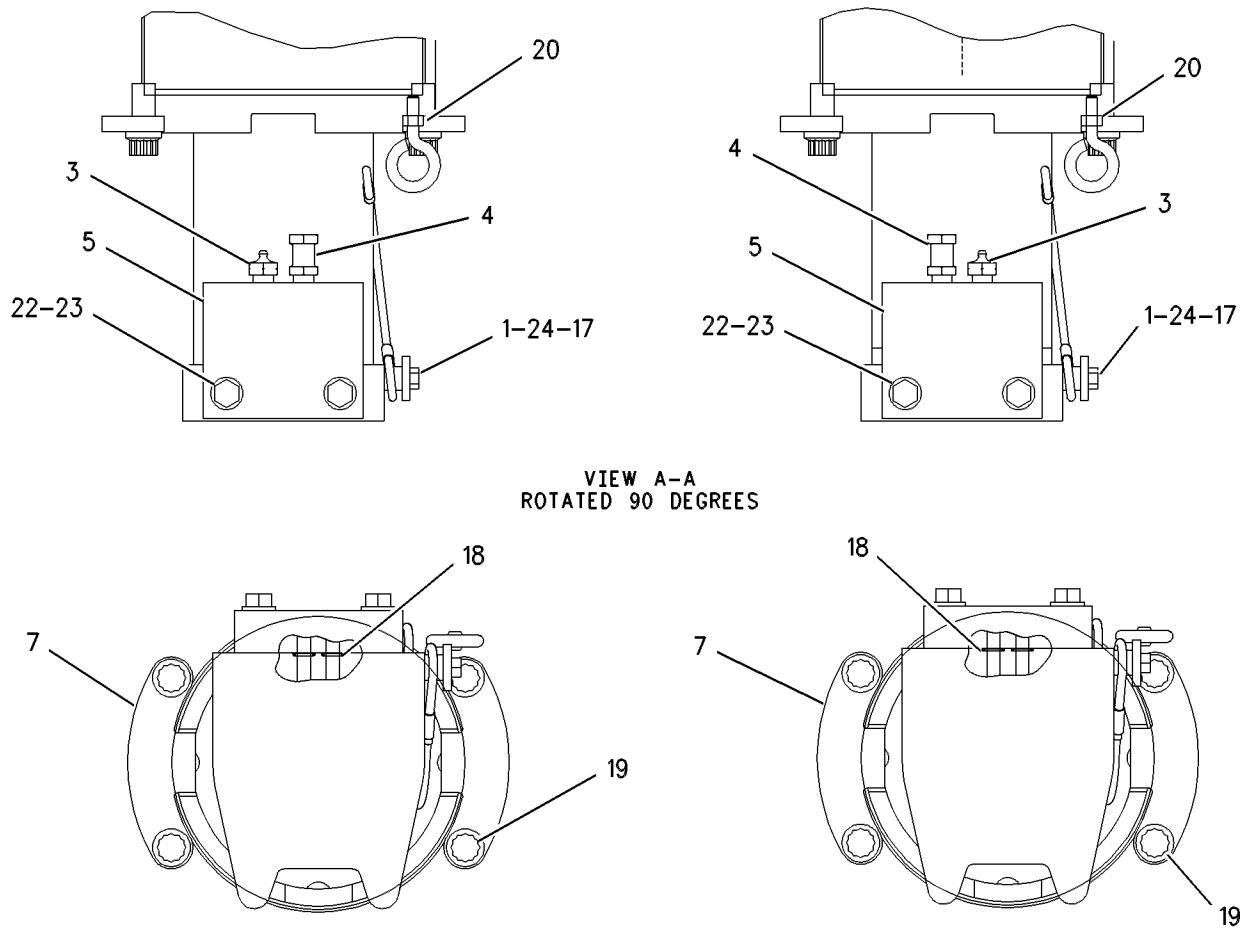
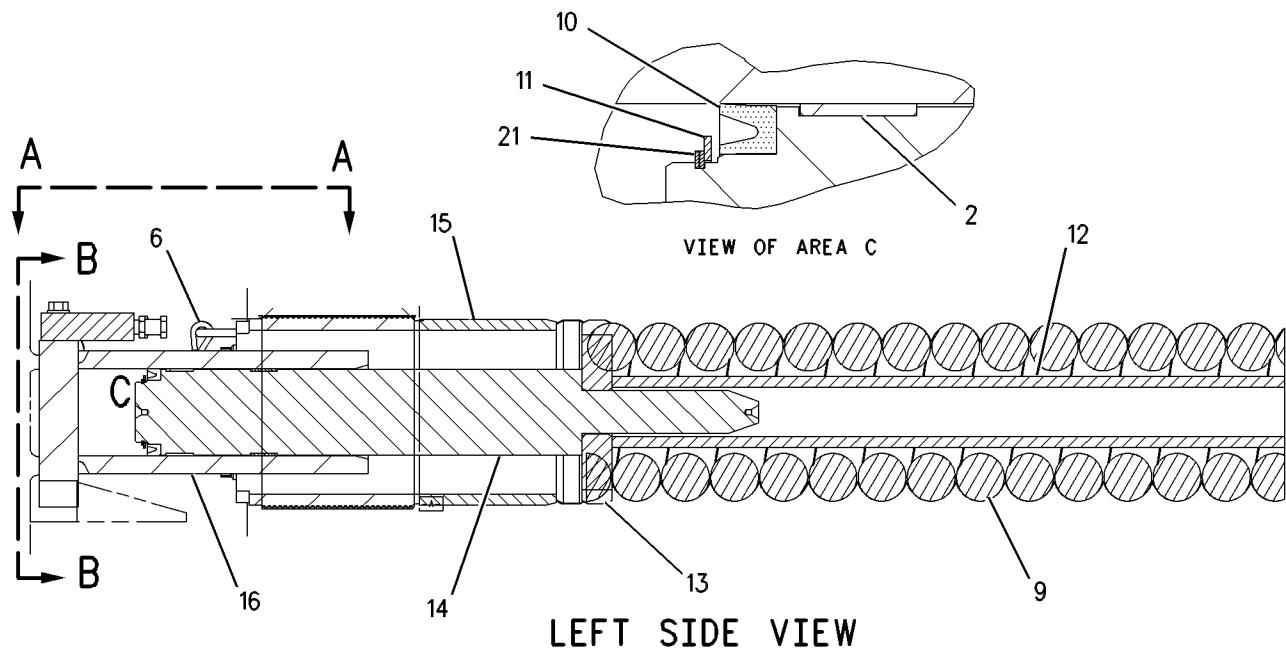
**i01429829**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		<b>1L-5081</b>	2	SPACER (13/32X3/4X9/16 IN THK)	
2	1		<b>1M-1571</b>	4	RING-WEAR	
3	1		<b>2S-5925</b>	2	VALVE (FILL)	
4	1		<b>2S-5926</b>	2	VALVE (RELIEF)	
5	1		<b>7T-4200</b>	2	COVER	
6	1		<b>7T-4209</b>	2	CABLE AS	
	1		<b>1P-7405</b>	1	EYEBOLT	
7	1		<b>7T-4213</b>	4	STOP	
8	1		<b>7T-4214</b>	2	RETAINER	
9	1		<b>7T-4616</b>	2	SPRING	
10	1		<b>8T-2185</b>	2	SEAL-U-CUP	
11	1		<b>9W-6074</b>	2	RETAINER	
12	1		<b>104-6371</b>	2	TUBE	
13	1		<b>104-6372</b>	2	PLATE	
14	1		<b>104-6374</b>	2	PISTON	
15	1		<b>154-3326</b>	2	SPACER	
16	1		<b>154-3327</b>	2	CYLINDER AS	
	1		<b>154-3329</b>		SLEEVE	
17	1		<b>5S-7382</b>	2	BOLT (3/8-16X1.375 IN)	
18	1		<b>6J-1038</b>	4	SEAL-O-RING (15.47MM ID)	
19	1		<b>6J-3991</b>	8	BOLT-12 POINT HEAD	
20	1		<b>6V-8801</b>	2	NUT (3/8-16 THD)	
21	1		<b>8H-8830</b>	2	RING-RETAINING	
22	1		<b>8T-4223</b>	4	WASHER-HARD (13.5X25.5X3MM THK)	
23	1		<b>8T-4835</b>	4	BOLT (1/2-13X2 IN)	
24	1		<b>8T-4897</b>	2	WASHER (10.2X35X6MM THK)	

# UNDERCARRIAGE

## **154-3325 TRACK ADJUSTER & RECOIL GP (contd.)**

i01429829



GRAPHIC #1

g00517392

# UNDERCARRIAGE

## 6Y-4124 TRACK GP-2 REQUIRED

S/N: 9EM1-UP

610 MM (24 IN) GROUSER SHOE. SEALED & LUBRICATED-EXTREME SERVICE  
AN ATTACHMENT

SMCS-4170

i00570525

NOTE	PART NUMBER	QTY	PART NAME	1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	6V-1724	2	BOLT -MASTER TRACK		
	6V-1725	1	BOLT -MASTER TRACK		
	6V-1723	172	BOLT -TRACK		
Y	8E-4518	1	LINK AS -TRACK		677
	7G-6442	172	NUT -TRACK		
	7T-2392	44	SHOE -TRACK		

Y-SEPARATE ILLUSTRATION

# UNDERCARRIAGE

**8E - 7696 TRACK GP-2 REQUIRED**

S/N: 9EM1-UP

560MM (22 IN) GROUSER SHOE. SEALED & LUBRICATED-MODERATE SERVICE  
PART OF 156-5684 UNDERCARRIAGE AR

SMCS-4170

i00570979

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
			1	2	3	4	5	6		
Y	8E-4518	1	LINK AS-TRACK							677
	6V-1723	172	BOLT-TRACK							
	6V-1724	2	BOLT-MASTER TRACK							
	6V-1725	2	BOLT-MASTER TRACK							
	7G-6442	172	NUT-TRACK							
	7G-6448	44	SHOE-TRACK							

Y-SEPARATE ILLUSTRATION

# UNDERCARRIAGE

## 8E - 7698 TRACK GP

S/N: 9EM1-UP

660MM (26 IN.) GROUSER SHOE. SEALED & LUBRICATED, MODERATE SERVICE  
AN ATTACHMENT

SMCS-4170

i01357807

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	8E-4518	1	LINK AS-TRACK						677
	6V-1724	2	BOLT-MASTER TRACK						
	6V-1725	2	BOLT-MASTER TRACK						
	6V-1723	172	BOLT-TRACK (7/8-14X3.42 IN)						
	7G-6442	172	NUT-TRACK						
	9P-2665	44	SHOE-TRACK						

Y-SEPARATE ILLUSTRATION

# UNDERCARRIAGE

## 8E - 7699 TRACK GP

S/N: 9EM1-UP

710MM (28 IN.) GROUSER SHOE. SEALED & LUBRICATED, MODERATE SERVICE  
AN ATTACHMENT

SMCS-4170

i01357849

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	8E-4518	1	LINK AS-TRACK						677
	6V-1724	2	BOLT-MASTER TRACK (7/8-14X3.78 IN)						
	6V-1725	2	BOLT-MASTER TRACK (7/8-14X5.08 IN)						
	6V-1723	172	BOLT-TRACK (7/8-14X3.42 IN)						
	7G-6442	172	NUT-TRACK (7/8-14 THD)						
	7G-6454	44	SHOE-TRACK						

Y-SEPARATE ILLUSTRATION

# UNDERCARRIAGE

## 8E - 7700 TRACK GP-2 REQUIRED

S/N: 9EM1-UP

560MM (22 IN) GROUSER SHOE. SEALED & LUBRICATED -EXTREME SERVICE  
AN ATTACHMENT

SMCS-4170

i00570984

NOTE	PART NUMBER	QTY	PART NAME	1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	8E-4518	1	LINK AS-TRACK		677
	6V-1723	172	BOLT - TRACK		
	6V-1724	2	BOLT - MASTER TRACK		
	6V-1725	2	BOLT - MASTER TRACK		
	7G-6442	172	NUT - TRACK		
	7T-2390	44	SHOE - TRACK		

Y - SEPARATE ILLUSTRATION

# UNDERCARRIAGE

## 6Y-2585 UNDERCARRIAGE AR

S/N: 9EM1-UP

AN ATTACHMENT

SMCS-4150

i01542233

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	9W-9205	4	CAP GP - TRACK IDLER						632
Y	9W-9206	4	CAP GP - TRACK IDLER						633
Y	126-4233	32	CAP GP - TRACK ROLLER						636
Y	127-8779	1	EQUALIZER BAR GP						640
Y	9W-7552	1	FRAME GP - TELESCOPING RECOIL						652
Y	111-1729	4	IDLER GP - TRACK						673
Y	132-7929	16	ROLLER GP - TRACK - DOUBLE FLANGE						681
			S/N: 9EM1-1212						
Y	196-9946	16	ROLLER GP - TRACK - DOUBLE FLANGE						682
			S/N: 9EM1213-UP						
Y	101-4193	4	TRACK ADJUSTER & RECOIL GP						690

Y-SEPARATE ILLUSTRATION

# UNDERCARRIAGE

## 119-6395 UNDERCARRIAGE AR

S/N: 9EM1-UP

NON SUSPENDED

AN ATTACHMENT

SMCS-4150

i01297643

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	9W-9206	4	CAP GP - TRACK IDLER						633
Y	9W-9205	4	CAP GP - TRACK IDLER						632
Y	6T-1142	4	CAP GP - TRACK ROLLER						634
Y	126-4233	32	CAP GP - TRACK ROLLER						636
Y	127-8779	1	EQUALIZER BAR GP						640
Y	<b>119-6057</b>	1	FRAME GP - TELESCOPING RECOIL						656
Y	<b>111-1729</b>	4	IDLER GP - TRACK						673
Y	<b>132-7929</b>	16	ROLLER GP - TRACK - DOUBLE FLANGE						681
Y	<b>132-7928</b>	2	ROLLER GP - TRACK - SINGLE FLANGE (CARRIER)						685
Y	101-4193	1	TRACK ADJUSTER & RECOIL GP						690

Y - SEPARATE ILLUSTRATION

# UNDERCARRIAGE

## 156-5684 UNDERCARRIAGE AR

S/N: 9EM1213-UP

SMCS-4150

i01486670

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	9W-4477	8	CAP GP - TRACK IDLER						631
Y	6T-1142	32	CAP GP - TRACK ROLLER						634
Y	127-8779	1	EQUALIZER BAR GP						640
Y	156-5685	1	FRAME GP - TELESCOPING RECOIL						660
Y	111-1729	2	IDLER GP - TRACK						673
Y	111-1730	2	IDLER GP - TRACK						674
Y	196-9946	8	ROLLER GP - TRACK - DOUBLE FLANGE						682
Y	196-9947	8	ROLLER GP - TRACK - SINGLE FLANGE						686
Y	7T-2540	1	SUSPENSION GP - BOGIE						688
Y	154-3325	1	TRACK ADJUSTER & RECOIL GP						692
Y	8E-7696	2	TRACK GP						695

Y - SEPARATE ILLUSTRATION

# UNDERCARRIAGE

## 157-8036 UNDERCARRIAGE AR

S/N: 9EM1213-UP

NON-SUSPENDED

CANNOT BE USED WITH CARRIER ROLLERS  
AN ATTACHMENT

SMCS-4150

i01488618

NOTE	PART NUMBER	QTY	PART NAME	SEE PAGE					
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	9W-9205	4	CAP GP-TRACK IDLER						632
Y	9W-9206	4	CAP GP-TRACK IDLER						633
Y	126-4233	32	CAP GP-TRACK ROLLER						636
Y	127-8779	1	EQUALIZER BAR GP						640
Y	157-3100	1	FRAME GP-TELESCOPING RECOIL						662
Y	111-1729	4	IDLER GP-TRACK						673
Y	196-9946	16	ROLLER GP-TRACK-DOUBLE FLANGE						682
Y	154-3325	1	TRACK ADJUSTER & RECOIL GP						692

Y-SEPARATE ILLUSTRATION

# **UNDERCARRIAGE**

## **157-8037 UNDERCARRIAGE AR**

S/N: 9EM1-UP

AN ATTACHMENT

SMCS-4150

i01488632

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	9W-9205	4	CAP GP - TRACK IDLER						632
Y	9W-9206	4	CAP GP - TRACK IDLER						633
Y	6T-1142	4	CAP GP - TRACK ROLLER						634
Y	126-4233	32	CAP GP - TRACK ROLLER						636
Y	127-8779	1	EQUALIZER BAR GP						640
Y	157-3110	1	FRAME GP - TELESCOPING RECOIL						666
Y	<b>111-1729</b>	4	IDLER GP - TRACK						673
Y	<b>196-9946</b>	16	ROLLER GP - TRACK - DOUBLE FLANGE						682
Y	<b>196-9947</b>	2	ROLLER GP - TRACK - SINGLE FLANGE						686
Y	154-3325	1	TRACK ADJUSTER & RECOIL GP						692

Y-SEPARATE ILLUSTRATION

# STEERING AND BRAKING SYSTEM

## 6Y-3516 CONTROL GP - FOOT BRAKE

S/N: 9EM1-UP

SMCS-4257, 4265, 4269

i01318827

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	6Y-3607	1	VALVE GP-BRAKE CONTROL (FOOT BRAKE)	730
	2	1	4F-7952	5	SEAL-O-RING (37.7MM ID)	
	3	1	5B-9603	3	BOLT (3/8-16X5IN) (MARKED X)	
	4	1	9S-1018	28	WASHER (.84MM THK)	
	5	1	0S-1619	4	BOLT (3/8-16X3.0IN)	
	6	1	5K-1719	1	END-YOKE ROD	
	7	1	0S-0175	2	PIN-CLEVIS	
	8	1	3B-4617	3	COTTER	
	9	1	7X-3374	3	NUT-FULL (1/2-20 THD)	
	10	1	106-1241	1	ROD	
	11	1	5S-7383	3	BOLT (3/8-16X1.75 IN)	
	12	1	8T-4896	7	WASHER-HARD (10.2X18.5X2.5MM THK)	
	13	1	4L-6454	4	BOLT (3/8-16X1 IN)	
	14	1	5J-5729	1	LEVER	
	15	1	1B-8706	2	KEY-WOODRUFF	
	16	1	3W-4566	1	SHAFT	
	17	1	8T-0192	1	BOLT (3/8-16X2.25 IN)	
	18	1	6V-8801	3	NUT (3/8-16 THD)	
	19	1	8G-1630	1	SUPPORT	
	20	1	3W-0558	1	COVER	
	21	1	1H-2387	8	SCREW-MACHINE	
		1	4B-4274	8	WASHER (1.2MM THK)	
	22	1	9S-1328	1	WASHER (1.6MM THK)	
	23	1	1H-2415	1	BOLT	
		1	6V-8188	1	NUT (1/2-13 THD)	
	24	1	4H-1477	1	PIN	
	25	1	3W-3725	1	COVER	
	26	1	6F-7010	1	ROD END	
	27	1	3J-3122	1	STUD	
	28	1	4D-4065	1	ROD END	
		1	6V-2761	1	BOOT-ROD END	
	29	1	4L-9337	2	BOLT (3/8-16X1.5 IN)	
	30	1	9W-2548	1	LEVER	
	31	1	183-1146	1	SPRING	
	32	1	7T-0904	1	BOLT-ANCHOR	
		1	9G-5211	1	SPACER (9MM THK)	
	33	1	3E-4373	1	STUD (3/8-16X1.375IN)	
	34	1	1K-6872	2	LOCKNUT (1/2-13 THD)	
	35	1	6Y-6779	1	BRACKET	
	36	1	9W-2549	1	LEVER	
	37	1	6Y-4531	1	SHAFT	
	38	1	8T-1177	2	BEARING-ROLLER	
	39	1	0S-0107	2	WASHER	
	40	1	8T-8919	1	BOLT (1/2-13X1.75 IN)	
	41	1	3W-6486	1	PEDAL	
	42	1	7X-3389	1	BOLT-12 POINT HEAD	
	43	1	1K-6556	1	ROD END	
	44	1	3S-8313	1	PLUG-CUP (32.08MM OD)	
	45	1	4J-3362	1	BEARING-NEEDLE	
	46	1	8T-1174	3	SEAL-LIP	
	47	1	8T-1178	1	BEARING-ROLLER	
	48	1	9W-2545	1	BOLT-ANCHOR	
		1	6V-2762	2	SPACER	
		1	8T-4223	1	WASHER-HARD (3MM THK)	
	49	1	6F-6673	2	SEAL-O-RING (31.34MM ID)	
	50	1	8F-7702	4	SEAL-LIP (19.05MM ID)	
	51	1	8T-4994	1	WASHER-HARD (5MM THK)	

# STEERING AND BRAKING SYSTEM

6Y-3516 CONTROL GP-FOOT BRAKE (*contd.*)

i01318827

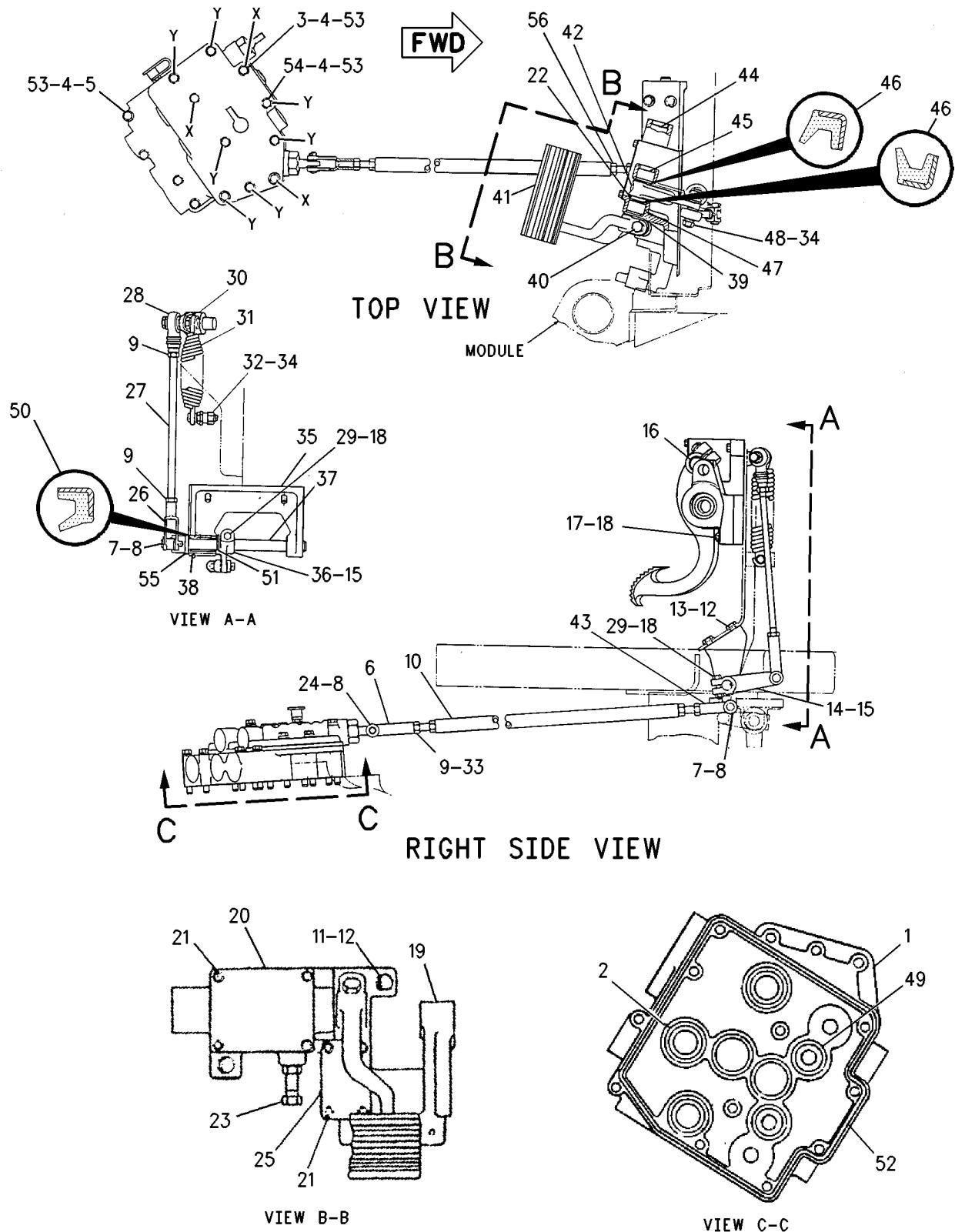
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
52	1		2R-0239	1	SEAL-O-RING (278.99MM ID)						
53	1		3S-0004	14	WASHER (2.29MM THK)						
54	1		0S-1608	7	BOLT (3/8-16X3.75IN) (MARKED Y)						
55	1		3F-0566	1	WASHER						
56	1		3E-9407	1	STUD (1/2-20X3.75 IN)						
	1		4D-4088	1	NUT-JAM (3/8-16 THD)						

Y-SEPARATE ILLUSTRATION

# STEERING AND BRAKING SYSTEM

6Y-3516 CONTROL GP-FOOT BRAKE (contd.)

i01318827



# STEERING AND BRAKING SYSTEM

## 6Y-3589 CONTROL GP-STEERING & TMSN

S/N: 9EM1-UP

PART OF 6Y-3590 CONTROL GP-STEERING & TMSN

SMCS-4122

i00815386

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		6Y-2782	1	SHAFT-GOVERNOR CONTROL						
2	1		6Y-2780	1	LEVER						
3	1		8E-2935	1	HOUSING-BEARING						
4	1		3H-3433	1	PIN-SPRING						
5	1		6V-8187	2	NUT (1/4-28 THD)						
6	1		8S-2195	1	BEARING-ROLLER						
7	1		6Y-2778	1	SHAFT-GOVERNOR CONTROL						
8	1		6Y-6850	1	HANDLE						
9	1		6Y-7579	1	HANDLE AS						
10	1		8E-2944	1	ROD						
11	1		8E-2939	1	HOUSING						
12	1		4B-1270	1	SCREW-MACHINE						
13	1		8E-9483	1	COLLAR (6-32 2B THD)						
	1		8T-2540	1	BOLT-SOCKET HEAD (6-32 THD)						
					-OR-						
	1		6Y-2776	1	COLLAR (4-40 2B THD)						
	1		7X-3308	1	BOLT-HEX (4-40-THD) (4-40X9.52 LG.)						
14	1		8E-2938	1	HOUSING-BEARING						
15	1		6Y-3140	2	BALL JOINT AS						
16	1		7X-1799	2	CABLE AS						
17	1		8T-4896	6	WASHER-HARD (2.5MM THK)						
18	1		6Y-3141	1	ROD AS						
19	1		6V-8183	1	NUT-FULL (3/8-24 THD)						
20	1		9S-1354	4	NUT (5/8-18 THD)						
21	1		6Y-2841	2	BALL BEARING						
22	1		8T-5410	1	SEAL-LIP						
23	1		8E-2940	1	HOUSING-LOWER						
24	1		8E-8006	1	PLATE AS						
25	1		7X-0297	2	BOLT						
	1		6V-8801	2	NUT (3/8-16 THD)						
26	1		6Y-2763	1	HOUSING-MAIN						
27	1		7X-3317	1	SCREW-HEX SOCKET						
28	1		101-2868	1	DOWEL						
29	1		6V-3545	1	BEARING-ROLLER						
30	1		6Y-2854	1	WASHER-THRUST						
31	1		6Y-2783	1	LEVER-BRAKE						
32	1		037-7388	1	KNOB						
33	1		4L-6454	2	BOLT (3/8-16X1.0IN)						
34	1		6Y-2855	1	PLATE						
35	1		009-3138	1	NUT-KNURL						
36	1		5L-2029	2	BALL BEARING						
37	1		8E-8242	1	SPACER						
38	1		2N-3680	7	SCREW-HEAD						
39	1		6Y-2773	1	COVER AS						
	1		6Y-7577	1	GASKET						
40	1		6Y-7573	1	RING						
41	1		6B-4541	2	SCREW-MACHINE						
	1		5S-7343	2	WASHER						
42	1		8S-2195	1	BEARING-ROLLER						
43	1		8T-1173	1	SEAL-LIP						
44	2		108-8174	2	INSULATION-SWITCH						
45	2		4L-6459	2	BOLT (3/8-16X2.5IN)						
Y	46	2	9T-8693	1	VALVE GP-PILOT						524
	47	2	8T-4896	5	WASHER-HARD (2.5MM THK)						
	48	2	8T-5410	1	SEAL-LIP						
	49	2	8E-2936	1	PLATE AS						

# STEERING AND BRAKING SYSTEM

**6Y-3589 CONTROL GP-STEERING & TMSN (contd.)**

**i00815386**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
50	2		7V-0008	1	BLOCK							
51	2		6V-8187	1	NUT (1/4-28 THD)							
52	2		5L-5711	1	PIN-SPRING							
53	2		8E-0853	1	BALL JOINT AS							
54	2		8E-0852	1	PIN							
55	2		9N-4596	1	HARNESS AS							
56	2		8S-7048	1	ROD END							
57	2		8E-1358	2	PLATE							
	2		9N-1750	2	SWITCH AS-LIMIT (EA SWITCH AS INCLS)							
	2		5S-4246	3	LOCKWASHER-TOOTH							
	2		6V-8818	3	SCREW-MACHINE (4-40 THD)							
58	2		9X-6281	4	SCREW-MACHINE							
59	2		6Y-2777	1	GASKET							
60	2		6Y-2847	1	MOUNT-TOP SPRING							
61	2		5F-9144	2	SEAL-O-RING (7.65MM ID)							
62	2		6Y-2846	1	SPRING							
63	2		6Y-2779	1	LEVER							
64	2		5N-6096	1	SPRING							
65	2		8S-2195	1	BEARING-ROLLER							
66	2		8E-1203	1	LEVER							
67	2		9X-6016	3	SCREW-HEX SOCKET							
68	2		6Y-2848	1	MOUNT-BOTTOM SPRING							
69	2		4B-9782	1	BALL (9.52MM)							
70	2		6V-3832	1	SEAL-O-RING							
71	2		7X-1552	1	SEAL-VALVE RING							
72	2		6Y-2764	1	RING							
73	2		6Y-7576	1	PLATE							
74	2		6Y-2770	1	PLATE							
75	2		6Y-2781	1	WASHER-THRUST							
76	2		8E-3131	1	ROLLER-CAM							
	2		2L-6267	1	LOCKNUT (3/8-24 THD)							
77	2		4L-6454	3	BOLT (3/8-16X1.0IN)							
78	2		8T-4205	1	WASHER-HARD (2MM THK)							
B	79	2	6Y-2766	2	WASHER-THRUST							
	80	2	4H-1641	1	PIN-SPRING							

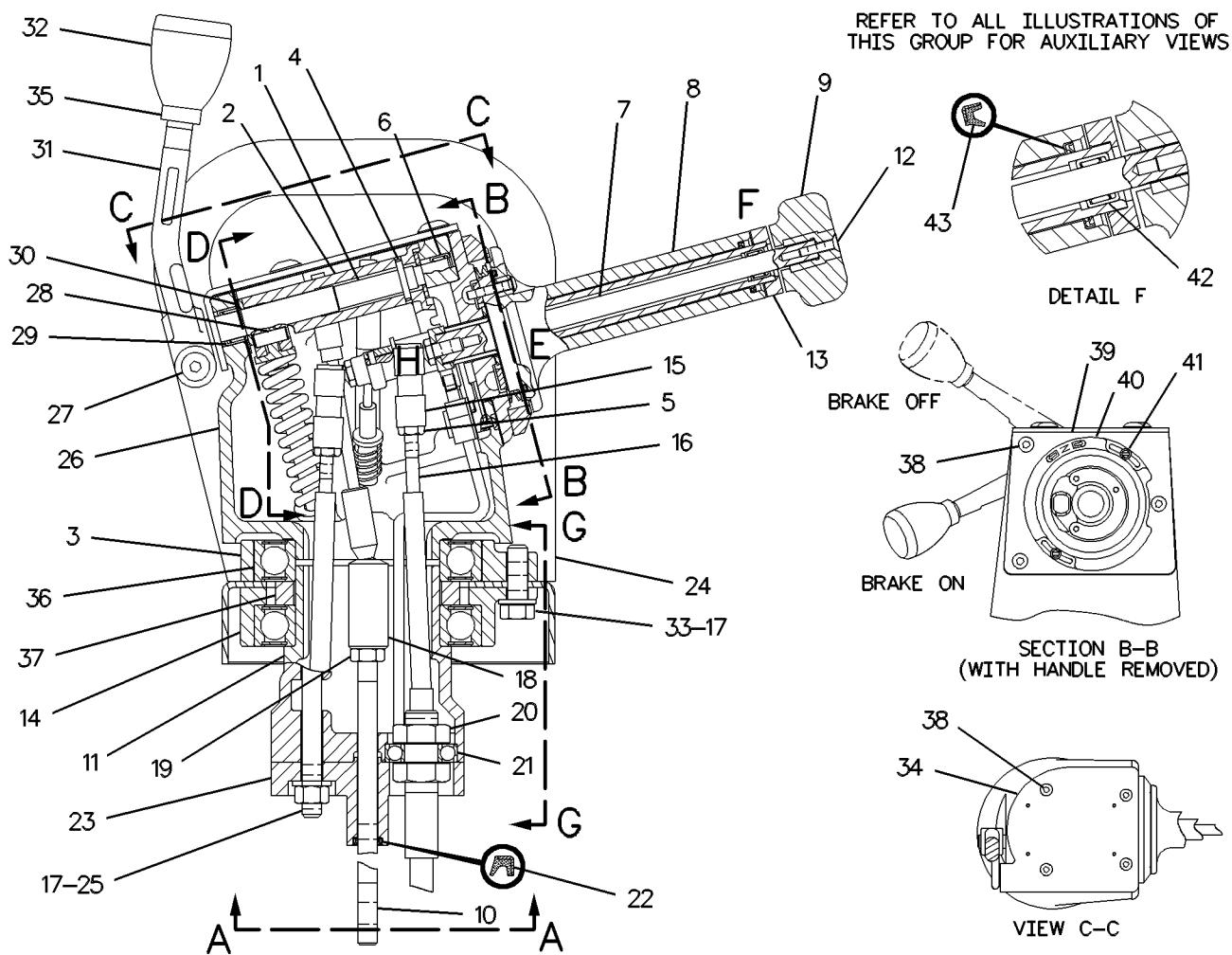
B-USE AS REQUIRED

Y-SEPARATE ILLUSTRATION

# STEERING AND BRAKING SYSTEM

6Y-3589 CONTROL GP-STEERING & TMSN (*contd.*)

i00815386



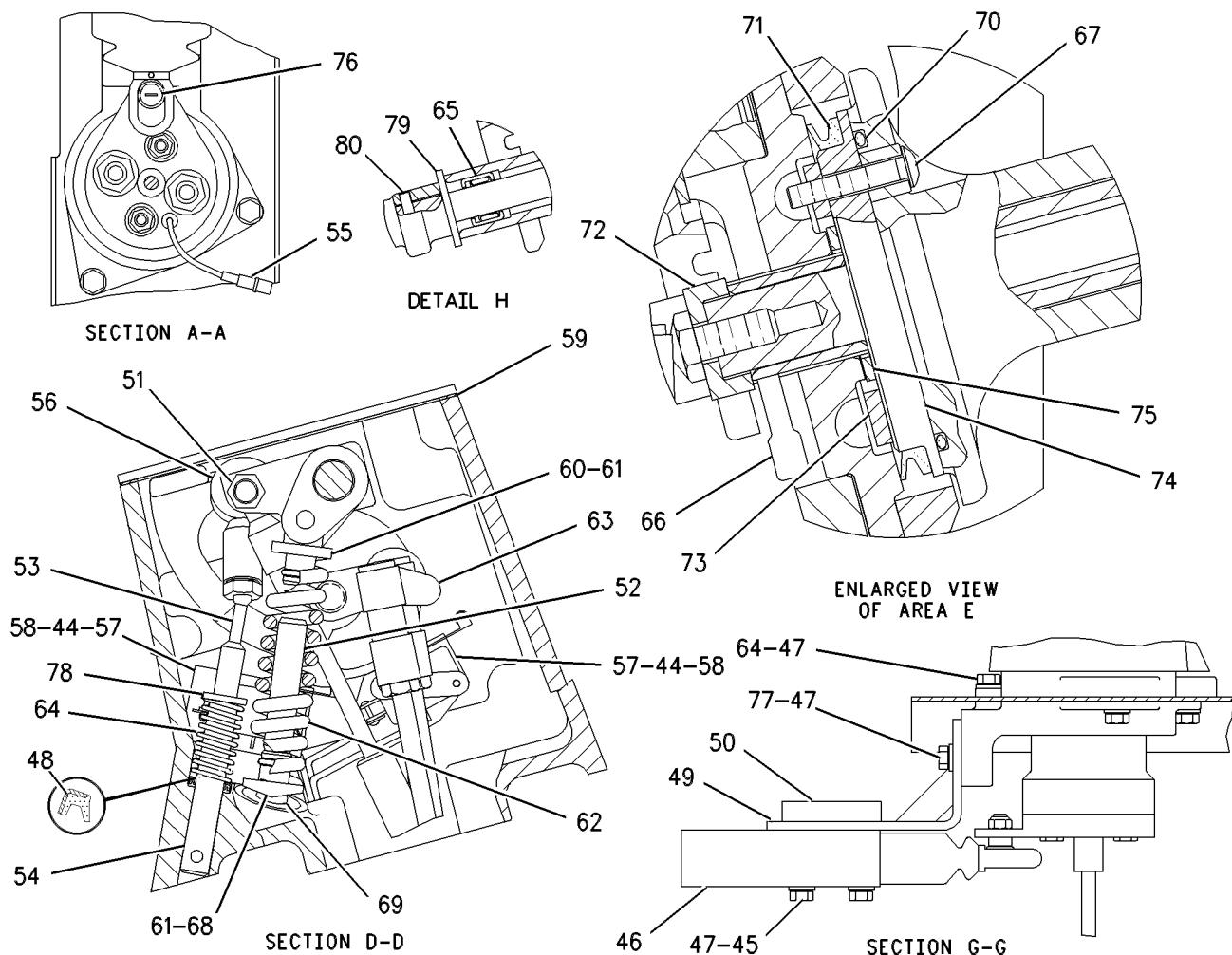
GRAPHIC #1

g00377669

# STEERING AND BRAKING SYSTEM

6Y-3589 CONTROL GP-STEERING & TMSN (*contd.*)

i00815386



GRAPHIC #2

g00377670

# STEERING AND BRAKING SYSTEM

## 6Y-3590 CONTROL GP - STEERING & TMSN

S/N: 9EM1-509

SMCS-4122

i00570496

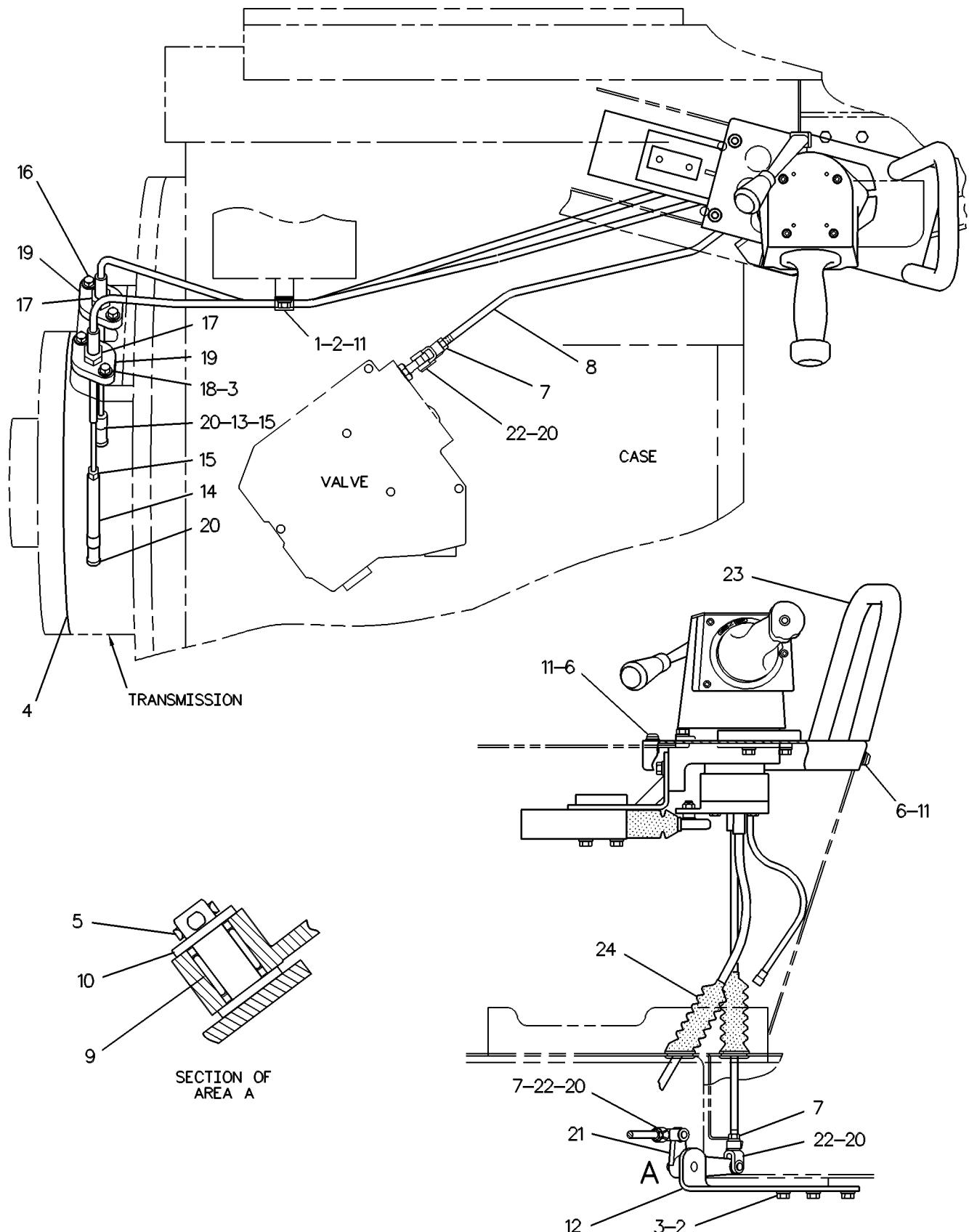
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		7S-4244	1	CLIP (9.52MM ID)	
2	1		5M-3062	4	BOLT (3/8-16X.750IN)	
3	1		8T-4896	7	WASHER-HARD (2.5MM THK)	
4	1		3T-9922	1	GASKET-COVER	
5	1		3B-4617	1	COTTER	
6	1		6J-0488	3	SCREW-HEAD (3/8-16X.875IN)	
7	1		6V-8183	3	NUT-FULL (3/8-24 THD)	
8	1		6Y-4524	1	ROD	
9	1		5P-1901	1	BEARING-ROLLER	
10	1		8T-4223	2	WASHER-HARD (3MM THK)	
11	1		5P-1075	4	WASHER-HARD (3MM THK)	
12	1		8E-2942	1	BRACKET AS	
13	1		5P-6438	1	END-YOKE ROD	
14	1		6V-5791	1	END AS-ROD	
15	1		9S-8748	2	NUT-FULL (1/4-28 THD)	
16	1		8M-5661	2	SEAL-O-RING (47.22MM ID)	
17	1		9S-1354	2	NUT (5/8-18 THD)	
18	1		8T-2502	4	BOLT (3/8-16X1.13IN)	
19	1		9G-0715	2	COVER	
20	1		8T-8932	5	PIN AS-SPRING	
21	1		8E-2943	1	BELLCRANK	
22	1		1M-1341	3	END-YOKE ROD	
Y	23	1	6Y-3589	1	CONTROL GP-STEERING & TMSN	708
	24	1	9G-0742	3	BOOT	

Y-SEPARATE ILLUSTRATION

# STEERING AND BRAKING SYSTEM

6Y-3590 CONTROL GP-STEERING & TMSN (contd.)

i00570496



GRAPHIC #1

g00249000

# STEERING AND BRAKING SYSTEM

## 6Y-3590 CONTROL GP - STEERING & TMSN

S/N: 9EM510-UP

SMCS-4122

i00713401

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6	
1	1		7S-4244	1	CLIP (9.52MM ID)	
2	1		5M-3062	4	BOLT (3/8-16X.750IN)	
3	1		8T-4896	7	WASHER-HARD (2.5MM THK)	
4	1		3T-9922	1	GASKET-COVER	
C	5	1	7X-3338	1	BOLT	
	6	1	6J-0488	3	SCREW-HEAD (3/8-16X.875IN)	
	7	1	6V-8183	3	NUT-FULL (3/8-24 THD)	
	8	1	6Y-4524	1	ROD	
C	9	1	6P-0593	1	BEARING-ROLLER	
C	10	1	8C-0566	2	WASHER (2.5MM THK)	
	11	1	5P-1075	4	WASHER-HARD (3MM THK)	
C	12	1	146-8124	1	BRACKET AS	
		1	8T-5912	1	NUT-WELD (3/8-16 THD)	
13	1		5P-6438	1	END-YOKE ROD	
14	1		6V-5791	1	END AS-ROD	
15	1		9S-8748	2	NUT-FULL (1/4-28 THD)	
16	1		8M-5661	2	SEAL-O-RING (47.22MM ID)	
17	1		9S-1354	2	NUT (5/8-18 THD)	
18	1		8T-2502	4	BOLT (3/8-16X1.13IN)	
19	1		9G-0715	2	COVER	
20	1		8T-8932	5	PIN AS-SPRING	
C	21	1	147-7277	1	BELLCRANK	
	22	1	1M-1341	3	END-YOKE ROD	
Y	23	1	6Y-3589	1	CONTROL GP - STEERING & TMSN	708
	24	1	9G-0742	3	BOOT	
C	25	1	146-8121	1	SPACER	

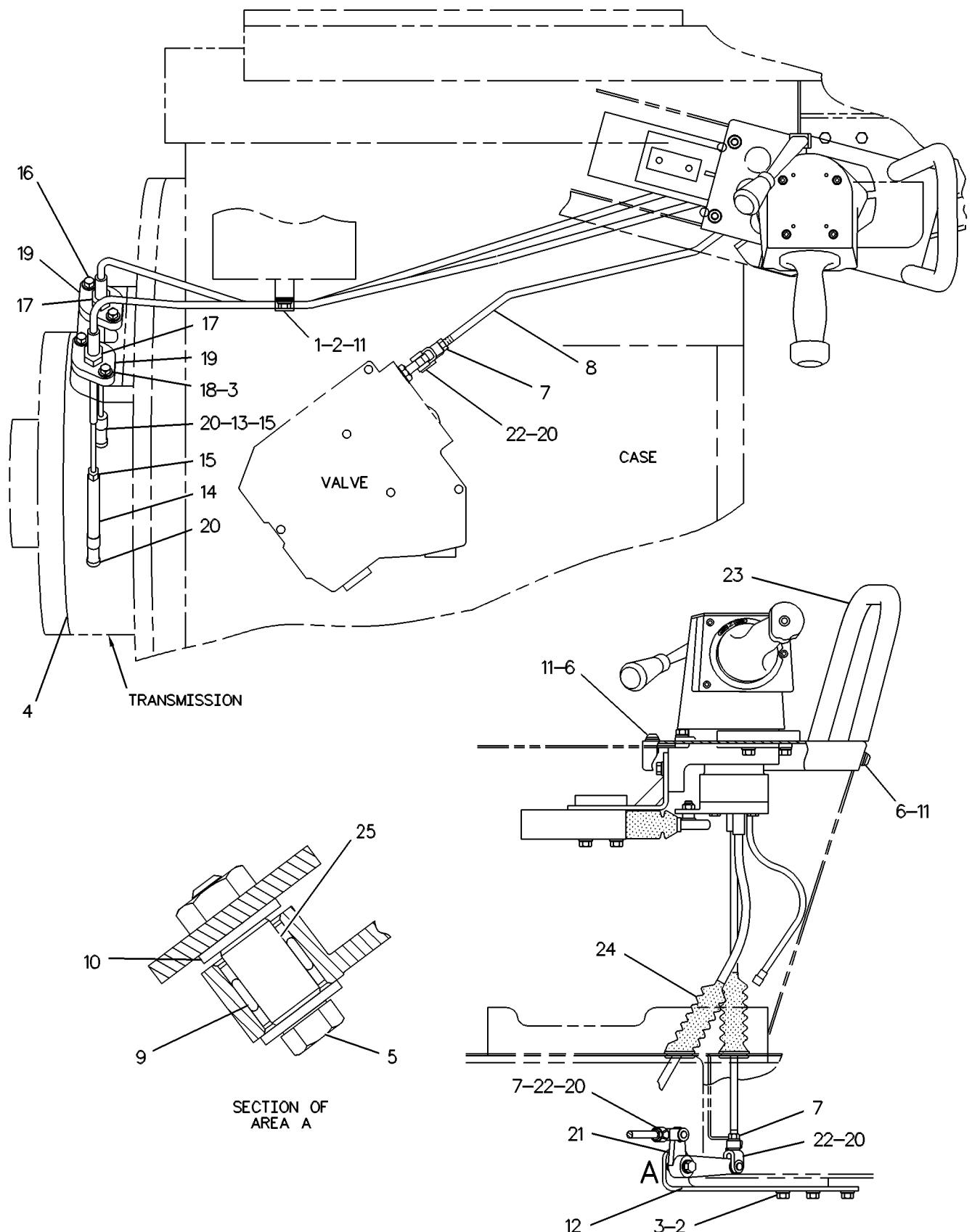
C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION

# STEERING AND BRAKING SYSTEM

6Y-3590 CONTROL GP-STEERING & TMSN (contd.)

i00713401



GRAPHIC #1

g00295147

# STEERING AND BRAKING SYSTEM

## 6Y-4743 LINES GP-STEERING

S/N: 9EM1-UP

DIFFERENTIAL

PART OF 6Y-4857 CONTROL AR-HYDRAULIC  
TYPE 1

**SMCS-4104, 4133, 4304**

**i00993720**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1, 2	<b>8T-4896</b>	1	WASHER-HARD (2.5MM THK)	
	2	1, 2	<b>3J-1907</b>	21	SEAL-O-RING (11.89MM ID)	
	3	1	<b>5P-2566</b>	6	BOLT (1/2-13X1.50IN)	
	4	1, 2	<b>8T-4223</b>	21	WASHER-HARD (3MM THK)	
	5	1, 2	<b>7G-3833</b>	4	CLIP (TAB)	
	6	1, 2	<b>7G-3834</b>	4	CLIP (SLOT)	
	7	1, 2	<b>7G-3832</b>	4	GROMMET	
	8	2	<b>6Y-5433</b>	2	BLOCK	
	9	2	<b>6Y-5432</b>	1	PLATE	
	10	2	<b>4L-6454</b>	1	BOLT (3/8-16X1.0IN)	
	11	1, 2	<b>5P-1075</b>	2	WASHER-HARD (3MM THK)	
	12	1, 2	<b>6V-8716</b>	5	CONNECTOR-SEAL	
	13	1, 2	<b>7M-8485</b>	10	SEAL-O-RING (29.74MM ID)	
I	14	2	<b>6Y-4053</b>	1	HOSE AS	
	15	1, 2	<b>6V-9746</b>	24	SEAL-O-RING (18.94MM ID)	
I	16	2	<b>6Y-8199</b>	1	HOSE AS	
	17	2	<b>1P-5766</b>	4	FLANGE-HALF	
	18	1, 2	<b>8T-5360</b>	12	WASHER (2.5MM THK)	
	19	2	<b>7X-0332</b>	3	BOLT (1/2-13X4.50IN)	
	20	2	<b>1P-5767</b>	4	FLANGE-HALF	
	21	2	<b>8C-6877</b>	8	BOLT (7/16-14X1.75IN)	
	22	1	<b>6V-9182</b>	1	ELBOW	
	23	1	<b>153-6236</b>	1	REDUCER AS	
	24	1	<b>5K-9090</b>	5	SEAL-O-RING (23.52MM ID)	
	25	1	<b>6V-9008</b>	1	ELBOW-90 DEGREE	
I	26	1	<b>6Y-4061</b>	1	HOSE AS	
I	27	1	<b>6Y-4058</b>	1	HOSE AS	
	28	1	<b>1P-3703</b>	2	SEAL-RECTANGULAR (31.86MM ID)	
	29	1	<b>1P-3704</b>	2	SEAL-RECTANGULAR (38.2MM ID)	
	30	1	<b>5S-7383</b>	1	BOLT (3/8-16X1.75IN)	
	31	1	<b>6V-8629</b>	1	ELBOW-FACE SEAL	
	32	1	<b>2M-9780</b>	4	SEAL-O-RING (19.18MM ID)	
	33	1	<b>6V-8640</b>	2	CONNECTOR-SEAL	
I	34	1	<b>6Y-4055</b>	1	HOSE AS	
	35	1	<b>6V-9005</b>	1	ELBOW-45 DEGREE	
I	36	1	<b>6Y-4048</b>	1	HOSE AS	
	37	1	<b>3D-2824</b>	2	SEAL-O-RING (23.47MM ID)	
	38	1	<b>6V-9007</b>	1	ELBOW-90 DEGREE (1 1/16-12 THD)	
I	39	1	<b>6Y-4052</b>	1	HOSE AS	
I	40	1	<b>6Y-4047</b>	1	HOSE AS	
	41	1	<b>3K-0360</b>	2	SEAL-O-RING (16.36MM ID)	
	42	1	<b>6V-1722</b>	1	ADAPTER-O-RING	
	43	1	<b>6V-8634</b>	2	CONNECTOR-SEAL	
	44	2	<b>9W-7649</b>	1	BRACKET	
I	45	1	<b>6Y-0594</b>	1	HOSE AS	
	46	1, 2	<b>9B-7237</b>	2	BOLT (3/8-16X1.25IN)	
	47	2	<b>5P-7462</b>	3	CLIP (SLOT)	
	48	2	<b>5P-7463</b>	3	CLIP (TAB)	
	49	2	<b>6V-8801</b>	1	NUT (3/8-16 THD)	
	50	1	<b>6V-8781</b>	1	TEE-FACE SEAL	
I	51	1	<b>6Y-4050</b>	1	HOSE AS	
	52	1, 2	<b>6V-8397</b>	35	SEAL-O-RING (9.27MM ID)	
	53	1	<b>8T-4149</b>	1	ELBOW-45 DEGREE	
	54	1	<b>6V-8635</b>	1	CONNECTOR-SEAL	

# STEERING AND BRAKING SYSTEM

**6Y-4743 LINES GP - STEERING (contd.)**

**i00993720**

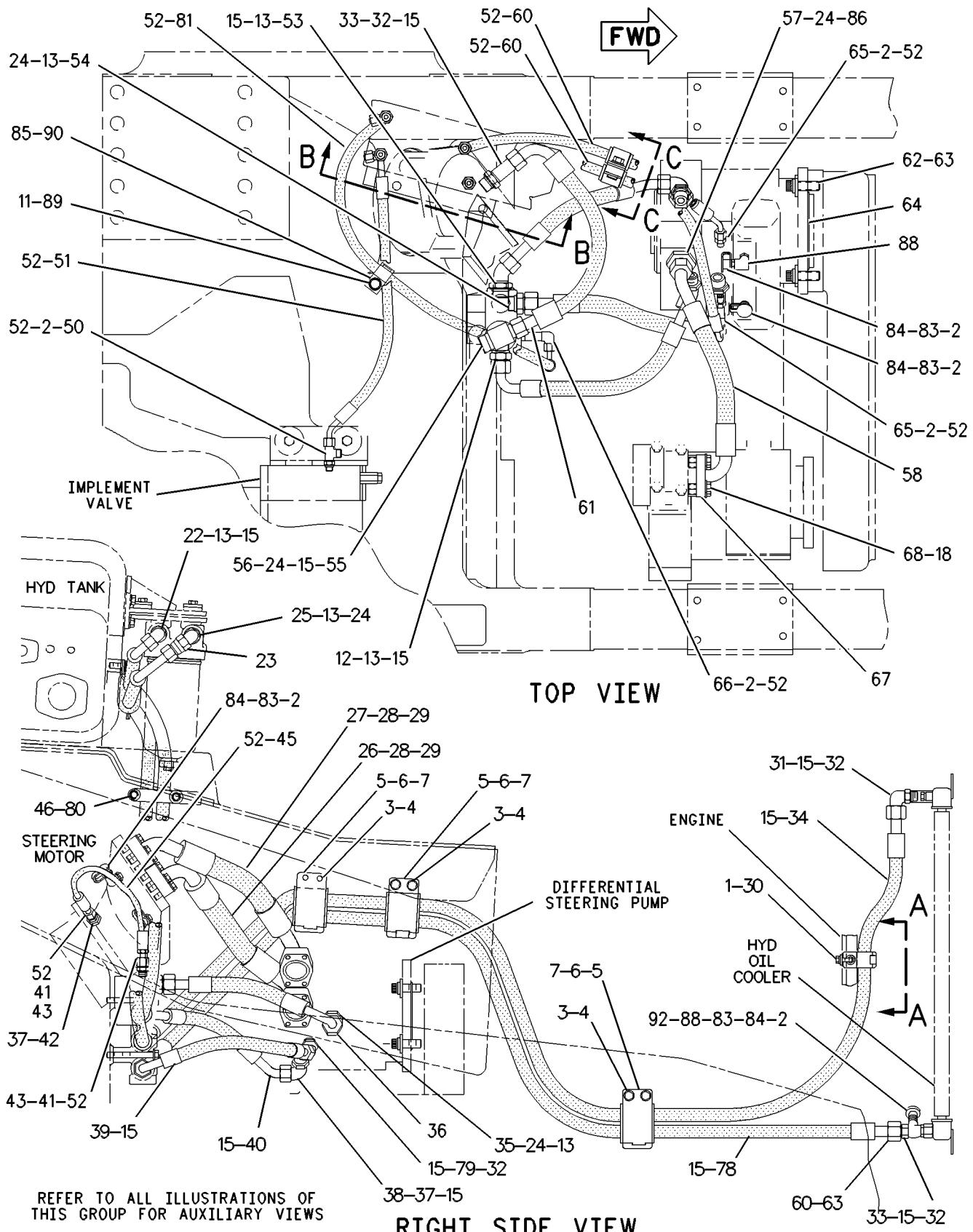
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
	55	1	8T-1120	1	TEE-O-RING PORT							
	56	1	2S-4078	1	SEAL-O-RING (37.46MM ID)							
	57	1	6K-6307	1	SEAL-O-RING (43.69MM ID)							
I	58	1	6Y-4062	1	HOSE AS							
	59	2	5C-6565	2	BOLT (1/2-13X1.25IN)							
I	60	1	6Y-4046	2	HOSE AS							
I	61	1	6Y-5440	1	HOSE AS							
	62	1	032-1853	2	BOLT-12 POINT HEAD							
	63	1	2S-0115	2	WASHER-HARD (5MM THK)							
	64	1	2K-8257	1	SEAL-O-RING (148.82MM ID)							
	65	1	6V-8636	2	CONNECTOR							
	66	1	8T-1905	1	ELBOW-90 DEGREE (11/16-18 THD)							
	67	1	1P-4578	2	FLANGE-HALF							
	68	1	8T-8916	4	BOLT (7/16-14X1.5IN)							
	69	2	6V-8724	2	ELBOW (9/16-18 THD)							
I	70	2	6Y-4045	2	HOSE AS							
I	71	2	8E-2370	2	HOSE AS							
	72	2	6V-8994	2	UNION-BULKHEAD (11/16-16 THD)							
	73	2	6V-9168	4	NUT (11/16-16 THD)							
	74	2	7X-0820	2	TEE-UNION ORIFICE							
	75	2	6V-9829	2	CAP AS							
	76	2	5P-2424	1	BOLT (1/2-13X2.25IN)							
	77	2	6V-8188	1	NUT (1/2-13 THD)							
I	78	1	6Y-4054	1	HOSE AS							
	79	1	8T-5389	1	ELBOW							
	80	1,2	7X-0772	3	WASHER-HARD (2.5MM THK)							
I	81	1	092-0759	1	HOSE AS							
	82	2	7X-2459	2	TEE							
	83	1,2	6V-3965	7	NIPPLE AS							
	84	1,2	6V-0852	7	CAP-DUST							
	85	1	5P-7459	1	CLIP (TAB)							
	86	1	8C-3323	1	CONNECTOR-O-RING							
	87	2	6V-0683	2	GROMMET							
	88	1,2	6V-0484	4	ADAPTER-O-RING							
	89	1	5S-7379	1	BOLT (3/8-16X.875IN)							
	90	1	5P-7458	1	CLIP (SLOT)							
	91	2	8T-4835	8	BOLT (1/2X2.0 IN)							
	92	1	8C-4985	1	ADAPTER							

I-SEE HOSE FABRICATION GUIDE

# STEERING AND BRAKING SYSTEM

6Y-4743 LINES GP - STEERING (contd.)

i00993720



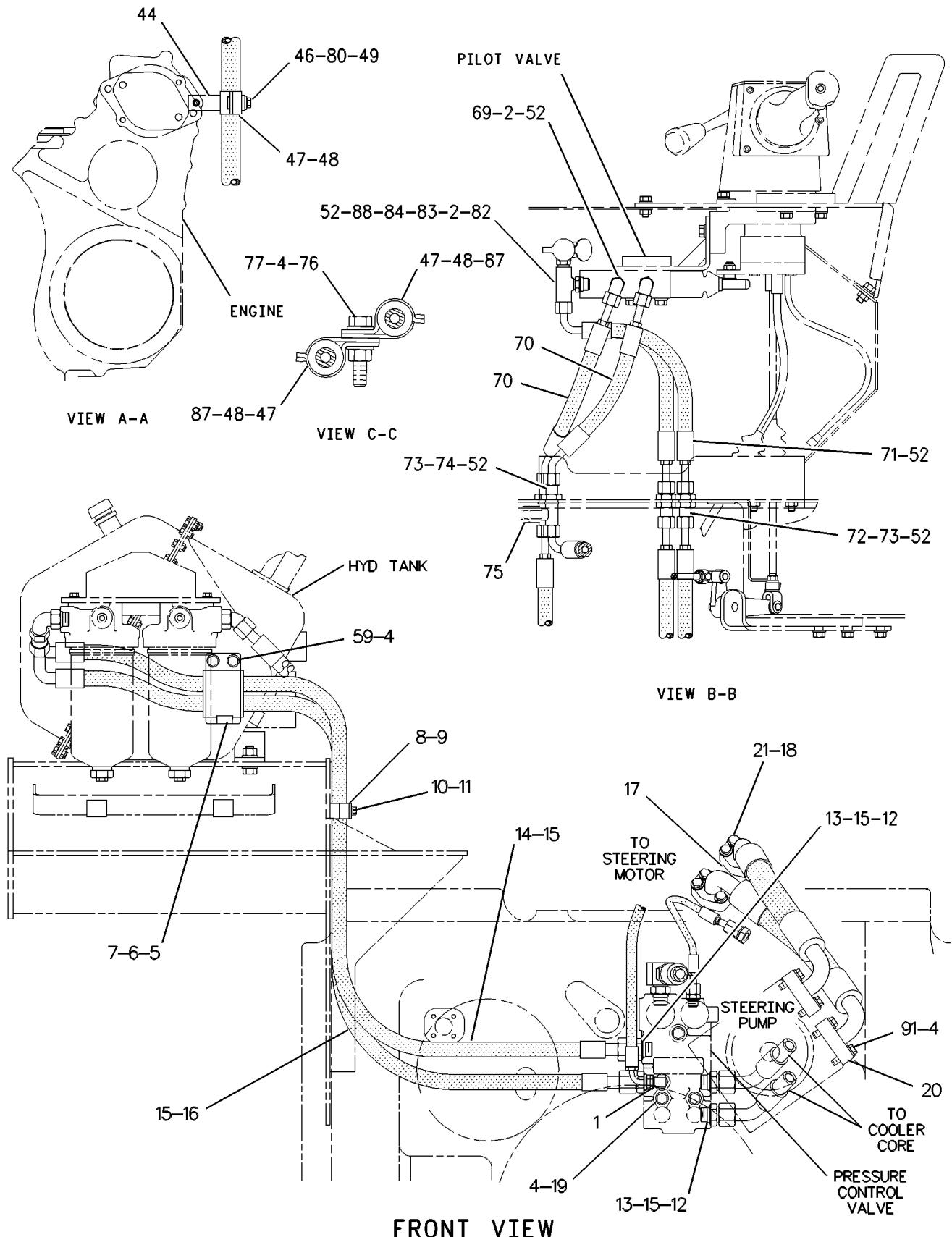
GRAPHIC #1

g00474829

# STEERING AND BRAKING SYSTEM

6Y-4743 LINES GP - STEERING (contd.)

i00993720



GRAPHIC #2

g00474830

# STEERING AND BRAKING SYSTEM

## 6Y-4743 LINES GP-STEERING

S/N: 9EM1-UP

DIFFERENTIAL

PART OF 6Y-4857 CONTROL AR-HYDRAULIC  
TYPE 2

SMCS-4104, 4133, 4304

i01050020

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
	1	2	<b>2S-0115</b>	2	WASHER-HARD (5MM THK)							
	2	1,2	<b>6V-0484</b>	4	ADAPTER-O-RING							
	3	1,2	<b>6V-0852</b>	7	CAP-DUST							
	4	1,2	<b>6V-3965</b>	7	NIPPLE AS							
	5	2	<b>6V-9829</b>	2	CAP AS (11/16-16 THD)							
I	6	2	<b>6Y-0594</b>	1	HOSE AS							
I	7	2	<b>6Y-4045</b>	2	HOSE AS							
I	8	1	<b>6Y-4046</b>	2	HOSE AS							
I	9	1	<b>6Y-4047</b>	1	HOSE AS							
I	10	1	<b>6Y-4048</b>	1	HOSE AS							
I	11	2	<b>6Y-4050</b>	1	HOSE AS							
I	12	1	<b>6Y-4052</b>	1	HOSE AS							
I	13	1	<b>6Y-4053</b>	1	HOSE AS							
I	14	1	<b>6Y-4054</b>	1	HOSE AS							
I	15	1	<b>6Y-4055</b>	1	HOSE AS							
I	16	2	<b>6Y-4058</b>	1	HOSE AS							
I	17	2	<b>6Y-4061</b>	1	HOSE AS							
I	18	1	<b>6Y-4062</b>	1	HOSE AS							
	19	2	<b>6Y-5432</b>	1	PLATE							
	20	2	<b>6Y-5433</b>	2	BLOCK							
I	21	2	<b>6Y-5440</b>	1	HOSE AS							
I	22	1	<b>6Y-8199</b>	1	HOSE AS							
	23	1	<b>8C-4985</b>	1	ADAPTER							
I	24	1	<b>8E-2370</b>	2	HOSE AS							
	25	1	<b>9W-7649</b>	1	BRACKET							
	26	2	<b>032-1853</b>	2	BOLT-12 POINT HEAD							
I	27	1	<b>092-0759</b>	1	HOSE AS							
	28	2	<b>148-8318</b>	2	CONNECTOR AS							
					(EACH INCLUDES)							
	2		<b>3K-0360</b>	1	SEAL-O-RING (16.36MM ID)							
	2		<b>6V-8397</b>	1	SEAL-O-RING (9.27MM ID)							
	2		<b>6V-8634</b>	1	CONNECTOR-SEAL							
	29	1,2	<b>148-8322</b>	2	CONNECTOR AS							
					(EACH INCLUDES)							
	1,2		<b>2M-9780</b>	1	SEAL-O-RING (19.18MM ID)							
	1,2		<b>6V-8640</b>	1	CONNECTOR-SEAL							
	1,2		<b>6V-9746</b>	1	SEAL-O-RING (18.94MM ID)							
	30	1	<b>148-8335</b>	1	CONNECTOR AS							
		1	<b>5K-9090</b>	1	SEAL-O-RING (23.52MM ID)							
		1	<b>6V-8635</b>	1	CONNECTOR-SEAL							
		1	<b>7M-8485</b>	1	SEAL-O-RING (29.74MM ID)							
	31	1	<b>148-8336</b>	2	CONNECTOR AS							
					(EACH INCLUDES)							
	1		<b>3J-1907</b>	1	SEAL-O-RING (11.89MM ID)							
	1		<b>6V-8397</b>	1	SEAL-O-RING (9.27MM ID)							
	1		<b>6V-8636</b>	1	CONNECTOR							
	32	2	<b>148-8339</b>	5	CONNECTOR AS							
					(EACH INCLUDES)							
	2		<b>6V-8716</b>	1	CONNECTOR-SEAL							
	2		<b>6V-9746</b>	1	SEAL-O-RING (18.94MM ID)							
	2		<b>7M-8485</b>	1	SEAL-O-RING (29.74MM ID)							
	33	1	<b>148-8347</b>	1	ELBOW AS							
		1	<b>3D-2824</b>	1	SEAL-O-RING (23.47MM ID)							
		1	<b>6V-9007</b>	1	ELBOW-90 DEGREE (1 1/16-12 THD)							

# STEERING AND BRAKING SYSTEM

**6Y-4743 LINES GP - STEERING (contd.)**

**i01050020**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
	1		<b>6V-9746</b>	1	SEAL-O-RING (18.94MM ID)							
34	1		<b>148-8355</b>	1	ELBOW AS							
	1		<b>5K-9090</b>	1	SEAL-O-RING (23.52MM ID)							
	1		<b>6V-9005</b>	1	ELBOW-45 DEGREE							
	1		<b>7M-8485</b>	1	SEAL-O-RING (29.74MM ID)							
35	1		<b>148-8357</b>	1	ELBOW AS							
	1		<b>5K-9090</b>	1	SEAL-O-RING (23.52MM ID)							
	1		<b>6V-9008</b>	1	ELBOW-90 DEGREE (1 5/16-12 THD)							
	1		<b>7M-8485</b>	1	SEAL-O-RING (29.74MM ID)							
36	1		<b>148-8360</b>	1	ELBOW AS							
	1		<b>6V-9182</b>	1	ELBOW (FACE SEAL)							
	1		<b>6V-9746</b>	1	SEAL-O-RING (18.94MM ID)							
	1		<b>7M-8485</b>	1	SEAL-O-RING (29.74MM ID)							
37	2		<b>148-8378</b>	2	ELBOW AS (EACH INCLUDES)							
	2		<b>3J-1907</b>	1	SEAL-O-RING (11.89MM ID)							
	2		<b>6V-8397</b>	1	SEAL-O-RING (9.27MM ID)							
	2		<b>6V-8724</b>	1	ELBOW (9/16-18 THD)							
38	1		<b>148-8388</b>	1	ELBOW AS							
	1		<b>2M-9780</b>	1	SEAL-O-RING (19.18MM ID)							
	1		<b>6V-8629</b>	1	ELBOW-FACE SEAL (7/8-14 THD)							
	1		<b>6V-9746</b>	1	SEAL-O-RING (18.94MM ID)							
39	2		<b>148-8435</b>	1	TEE AS-ORFS							
	2		<b>3J-1907</b>	1	SEAL-O-RING (11.89MM ID)							
	2		<b>6V-8397</b>	2	SEAL-O-RING (9.27MM ID)							
	2		<b>6V-8781</b>	1	TEE-FACE SEAL							
40	1,2		<b>148-8443</b>	2	TEE AS-ORFS (EACH INCLUDES)							
	1,2		<b>3J-1907</b>	1	SEAL-O-RING (11.89MM ID)							
	1,2		<b>6V-8397</b>	1	SEAL-O-RING (9.27MM ID)							
	1,2		<b>7X-2459</b>	1	TEE							
41	2		<b>150-3036</b>	1	ELBOW AS							
	2		<b>3J-1907</b>	1	SEAL-O-RING (11.89MM ID)							
	2		<b>6V-8397</b>	1	SEAL-O-RING (9.27MM ID)							
	2		<b>8T-1905</b>	1	ELBOW-90 DEGREE (11/16-18 THD)							
42	2		<b>150-4049</b>	1	ELBOW AS							
	2		<b>6V-9746</b>	1	SEAL-O-RING (18.94MM ID)							
	2		<b>7M-8485</b>	1	SEAL-O-RING (29.74MM ID)							
	2		<b>8T-4149</b>	1	ELBOW-45 DEGREE (1 5/16-12 THD)							
43	1		<b>153-6236</b>	1	REDUCER AS							
44	2		<b>153-6243</b>	1	TEE AS							
	2		<b>2S-4078</b>	1	SEAL-O-RING (37.46MM ID)							
	2		<b>5K-9090</b>	1	SEAL-O-RING (23.52MM ID)							
	2		<b>6V-9746</b>	1	SEAL-O-RING (18.94MM ID)							
	2		<b>8T-1120</b>	1	TEE-O-RING PORT							
45	1		<b>153-6244</b>	1	ELBOW AS							
	1		<b>2M-9780</b>	1	SEAL-O-RING (19.18MM ID)							
	1		<b>6V-9746</b>	1	SEAL-O-RING (18.94MM ID)							
	1		<b>8T-5389</b>	1	ELBOW							
46	2		<b>153-6246</b>	2	TEE AS (EACH INCLUDES)							
	2		<b>6V-8397</b>	3	SEAL-O-RING (9.27MM ID)							
	2		<b>7X-0820</b>	1	TEE-UNION ORIFICE							
47	1		<b>153-6265</b>	1	CONNECTOR AS							
	1		<b>5K-9090</b>	1	SEAL-O-RING (23.52MM ID)							
	1		<b>6K-6307</b>	1	SEAL-O-RING (43.69MM ID)							
	1		<b>8C-3323</b>	1	CONNECTOR-O-RING							
48	2		<b>149-5452</b>	2	UNION AS-ORFS (EACH INCLUDES)							

# STEERING AND BRAKING SYSTEM

**6Y-4743 LINES GP-STEERING (contd.)**

**i01050020**

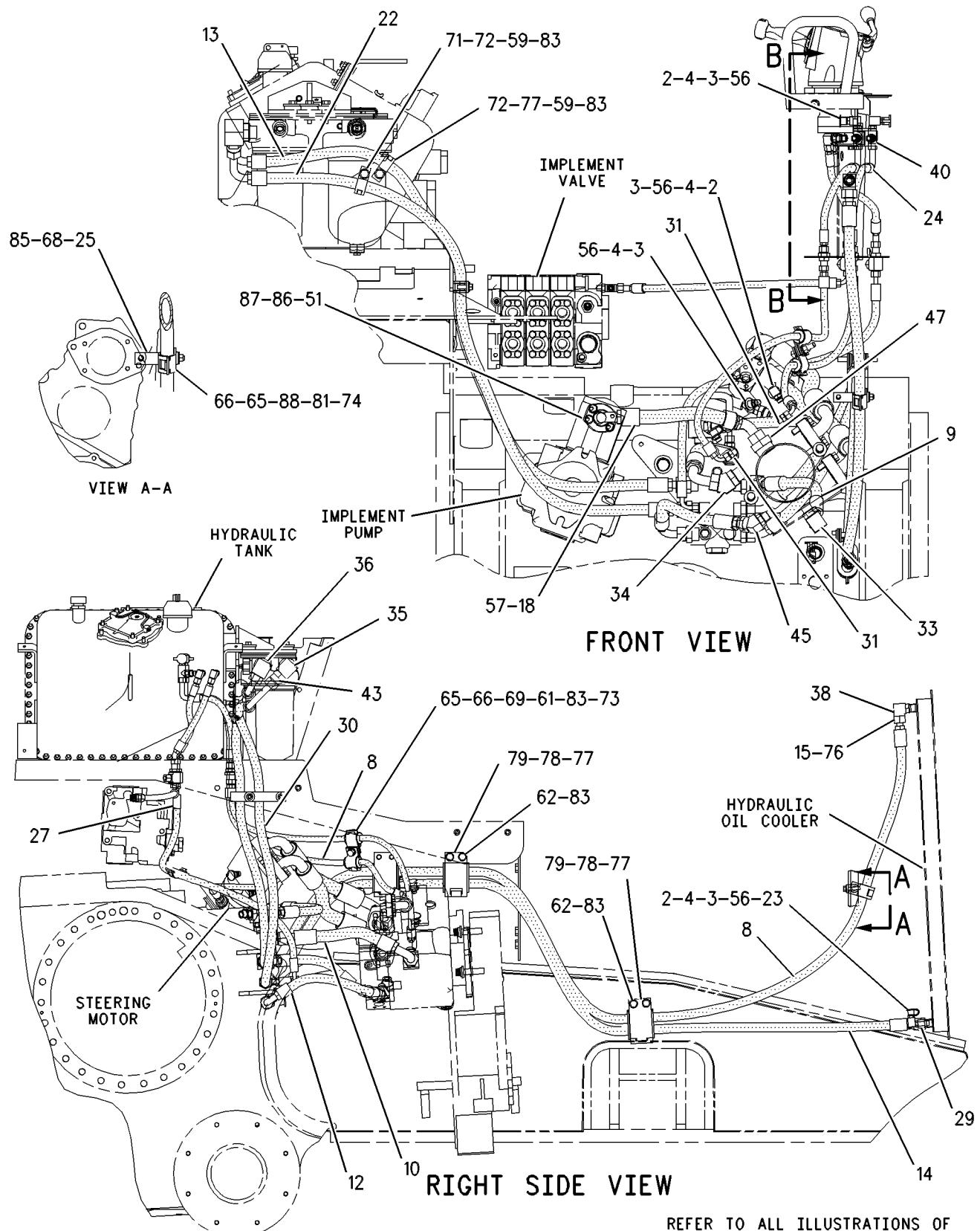
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	2		<b>6V-8397</b>	2	SEAL-O-RING (9.27MM ID)	
	2		<b>6V-8994</b>	1	UNION-BULKHEAD (11/16-16 THD)	
49	2		<b>1P-3703</b>	2	SEAL-RECTANGULAR (31.86MM ID)	
50	2		<b>1P-3704</b>	2	SEAL-RECTANGULAR (38.2MM ID)	
51	1		<b>1P-4578</b>	2	FLANGE	
52	2		<b>1P-5766</b>	4	FLANGE-HALF	
53	2		<b>1P-5767</b>	4	FLANGE-HALF	
54	2		<b>2K-8257</b>	1	SEAL-O-RING (148.82MM ID)	
55	2		<b>3D-2824</b>	1	SEAL-O-RING (23.47MM ID)	
C	56	1,2	<b>3J-1907</b>	11	SEAL-O-RING (11.89MM ID)	
C	57	1	<b>4J-0522</b>	1	SEAL-O-RING (37.69MM ID)	
	58	2	<b>4L-6454</b>	1	BOLT (3/8-16X1.0IN)	
	59	1	<b>5C-6565</b>	2	BOLT (1/2-13X1.25IN)	
	60	2	<b>5P-1075</b>	2	WASHER-HARD (3MM THK)	
	61	2	<b>5P-2424</b>	1	BOLT (1/2-13X2.25IN)	
	62	1,2	<b>5P-2566</b>	6	BOLT (1/2-13X1.50IN)	
	63	2	<b>5P-7458</b>	1	CLIP (SLOT)	
	64	2	<b>5P-7459</b>	1	CLIP (TAB)	
	65	1	<b>5P-7462</b>	3	CLIP (SLOT)	
	66	1	<b>5P-7463</b>	3	CLIP (TAB)	
	67	2	<b>5S-7379</b>	1	BOLT (3/8-16X.875IN)	
	68	1	<b>5S-7383</b>	1	BOLT (3/8-16X1.75IN)	
	69	1	<b>6V-0683</b>	2	GROMMET	
	70	2	<b>6V-1722</b>	1	ADAPTER-O-RING	
C	71	1	<b>6V-5185</b>	2	CLIP (SLOT)	
C	72	1	<b>6V-5186</b>	2	CLIP (TAB)	
	73	1	<b>6V-8188</b>	1	NUT (1/2-13 THD)	
	74	1	<b>6V-8801</b>	1	NUT (3/8-16 THD)	
	75	2	<b>6V-9168</b>	4	NUT (11/16-16 THD)	
C	76	1	<b>6V-9746</b>	1	SEAL-O-RING (18.94MM ID)	
C	77	1,2	<b>7G-3832</b>	3	GROMMET	
C	78	1,2	<b>7G-3833</b>	3	CLIP (TAB)	
C	79	1,2	<b>7G-3834</b>	3	CLIP (SLOT)	
	80	2	<b>7X-0332</b>	3	BOLT (1/2-13X4.50IN)	
	81	1,2	<b>7X-0772</b>	3	WASHER-HARD (2.5MM THK)	
	82	2	<b>8C-6877</b>	8	BOLT (7/16-14X1.75IN)	
	83	1,2	<b>8T-4223</b>	21	WASHER-HARD (3MM THK)	
	84	2	<b>8T-4835</b>	8	BOLT (1/2X2.0 IN)	
	85	1	<b>8T-4896</b>	1	WASHER-HARD (2.5MM THK)	
	86	1,2	<b>8T-5360</b>	12	WASHER (2.5MM THK)	
	87	1	<b>8T-8916</b>	4	BOLT (7/16-14X1.5IN)	
	88	1,2	<b>9B-7237</b>	2	BOLT (3/8-16X1.25IN)	

C-CHANGE FROM PREVIOUS TYPE  
I-SEE HOSE FABRICATION GUIDE

# STEERING AND BRAKING SYSTEM

6Y-4743 LINES GP - STEERING (contd.)

i01050020



REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

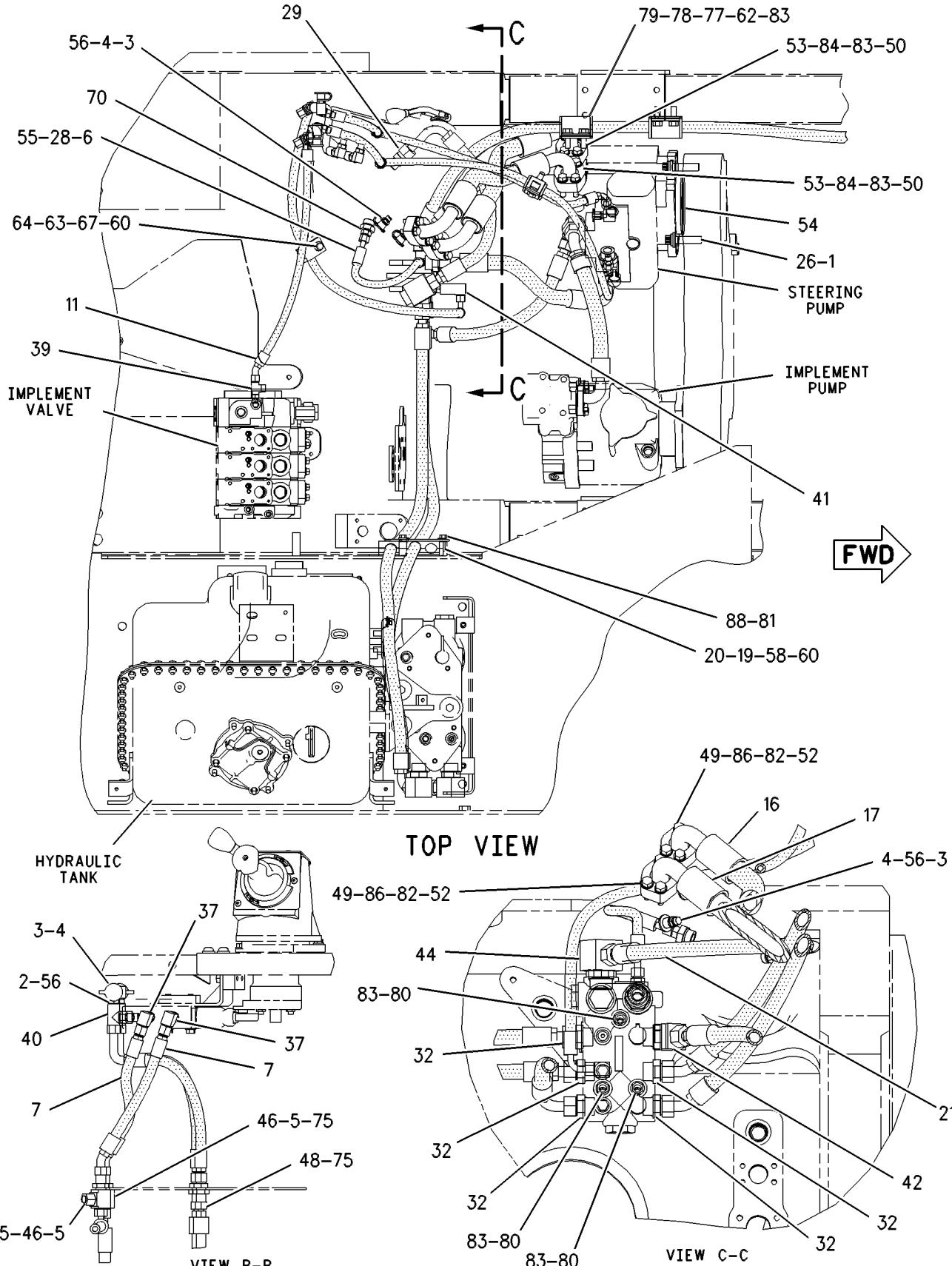
GRAPHIC #1

g00596780

# STEERING AND BRAKING SYSTEM

6Y-4743 LINES GP - STEERING (contd.)

i01050020



GRAPHIC #2

g00596785

# STEERING AND BRAKING SYSTEM

## 9N-4677 VALVE GP-BRAKE CONTROL

S/N: 9EM1-792

PART OF 6Y-3607 VALVE GP-CONTROL

SMCS-4265, 4282

i01065709

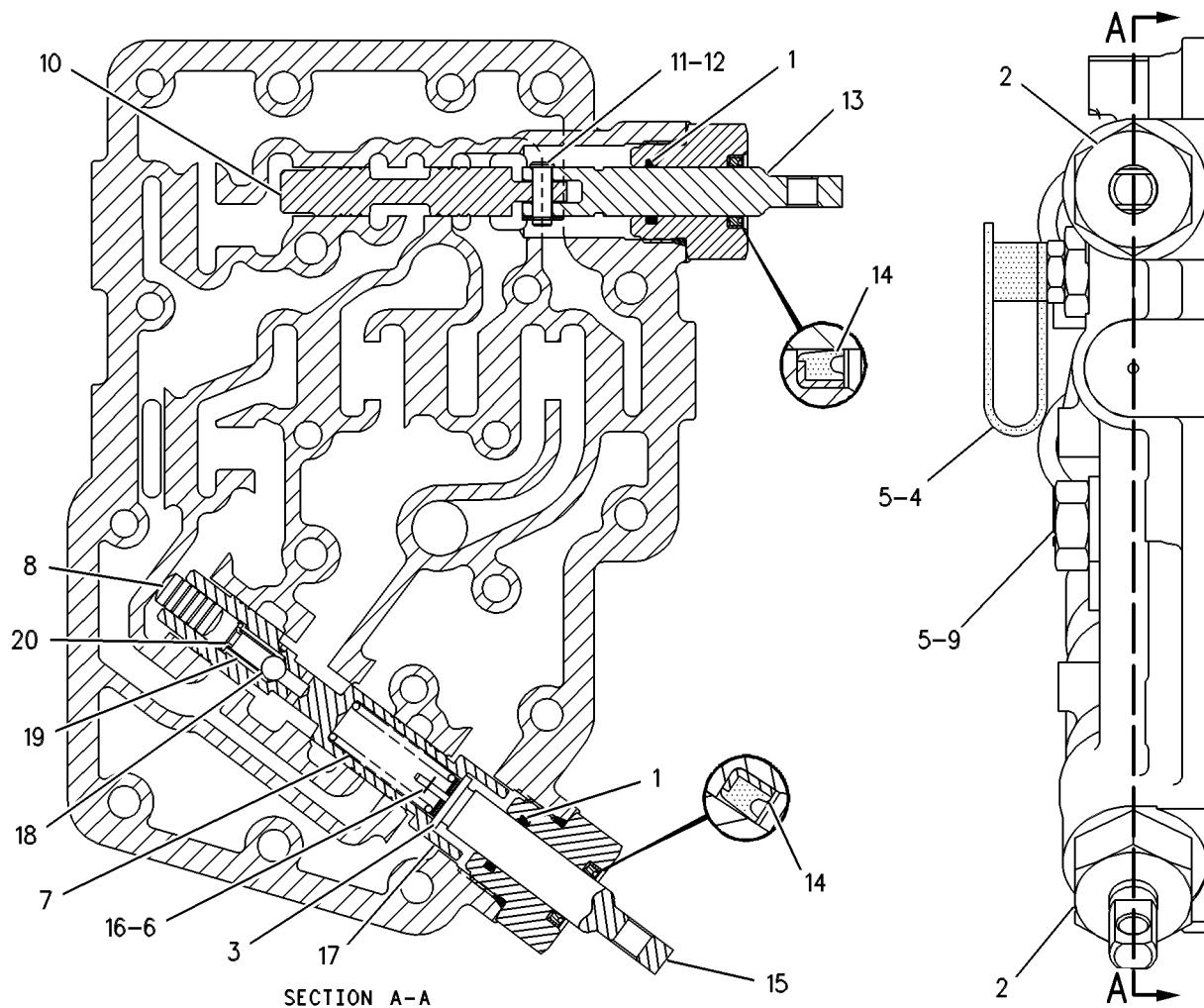
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		8F-3469	2	SEAL (15.54MM ID)						
2	1		6Y-1395	2	PLUG						
	1		7M-8485	2	SEAL						
B	3	1	6Y-7264	4	SPACER (.01MM THK)						
B	1		6Y-7265	2	SPACER (0.25MM THK)						
B	1		6Y-7266	2	SPACER (0.5MM THK)						
4	1		6V-0852	1	CAP-DUST						
	1		6V-3965	1	FITTING AS-QUICK DISCONNECT						
	1		3J-1907	1	SEAL						
	1		5P-1404	1	REDUCER						
5	1		2M-9780	2	SEAL						
6	1		1P-9620	1	RING-RETAINING						
7	1		8E-2715	1	SPRING						
8	1		154-8396	1	SLUG						
9	1		9S-4190	1	PLUG-O-RING (7/16-20 THD)						
10	1		6Y-1393	1	SPOOL						
11	1		8D-5295	1	PIN						
12	1		8D-5294	1	RING						
13	1		6Y-1402	1	PLUNGER						
14	1		6V-1604	2	SEAL-LIP						
15	1		8E-2716	1	PLUNGER AS						
16	1		2L-5894	1	PIN-SPRING						
17	1		154-8397	1	SPOOL AS						
18	1		4B-9880	1	BALL						
19	1		4M-2381	1	SPRING						
20	1		3P-0750	1	RETAINER						
	1		3D-8358	1	RING-RETAINING						

B-USE AS REQUIRED

# STEERING AND BRAKING SYSTEM

9N-4677 VALVE GP - BRAKE CONTROL (*contd.*)

i01065709



GRAPHIC #1

g00457810

# STEERING AND BRAKING SYSTEM

## 172-1240 VALVE GP-BRAKE CONTROL

S/N: 9EM793-UP

PART OF 6Y-3607 VALVE GP-CONTROL

SMCS-4265, 4282

i01256486

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Z	1	1		1	BODY						
	2	1	6Y-1395	2	PLUG						
	3	1	7M-8485	2	SEAL-O-RING						
	4	1	6V-0852	1	CAP-DUST						
	5	1	6V-3965	1	FITTING AS (QUICK DISCONNECT)						
	6	1	3J-1907	1	SEAL-O-RING						
	7	1	5P-1404	1	ADAPTER-O-RING (STRAIGHT THREAD)						
	8	1	2M-9780	2	SEAL-O-RING						
	9	1	9S-4190	1	PLUG-O-RING						
	10	1	6Y-1393	1	SPOOL						
	11	1	8D-5295	1	PIN						
	12	1	8D-5294	1	RING						
	13	1	6Y-1402	1	PLUNGER						
	14	1	6V-1604	2	SEAL-LIP						
	15	1	8E-2716	1	PLUNGER AS						
		1	2L-5894	1	PIN-SPRING						
B	16	1	6Y-7264	4	SPACER (.01MM THK)						
B	17	1	6Y-7265	2	SPACER (0.25MM THK)						
B	18	1	6Y-7266	2	SPACER (0.5MM THK)						
	19	1	1P-9620	1	RING-RETAINING						
	20	1	8E-2715	1	SPRING						
	21	1	162-1996	1	SPOOL AS-VALVE						
	21A	1	3D-8358	1	RING-RETAINING						
	21B	1	3P-0750	1	RETAINER						
	21C	1	4B-9880	1	BALL						
	21D	1	4M-2381	1	SPRING						
	22	1	154-8396	1	SLUG						
	23	1	8F-3469	2	SEAL-O-RING						

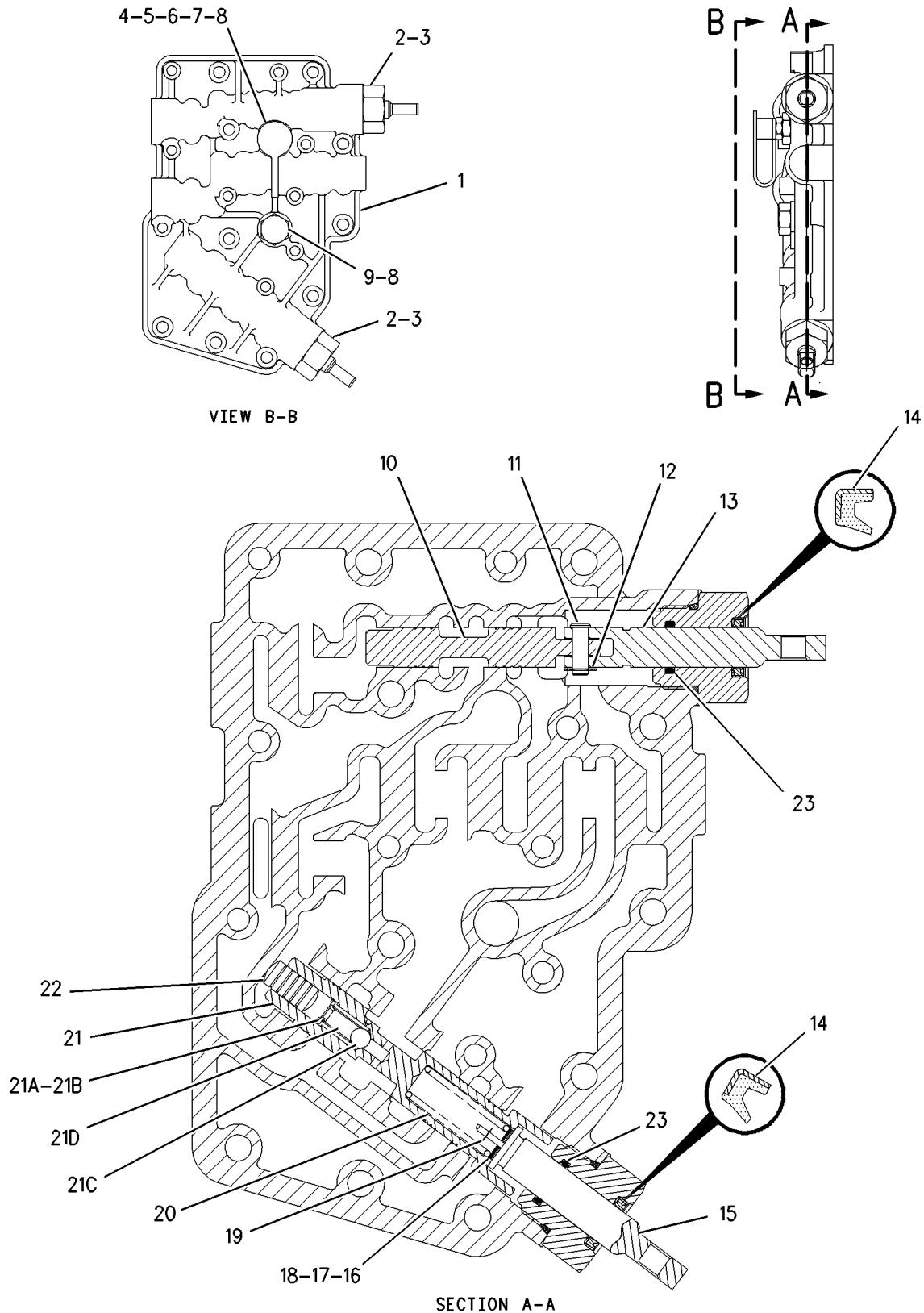
B-USE AS REQUIRED

Z-NOT SERVICED SEPARATELY

# STEERING AND BRAKING SYSTEM

172-1240 VALVE GP-BRAKE CONTROL (*contd.*)

i01256486



GRAPHIC #1

g00669553

# STEERING AND BRAKING SYSTEM

## 6Y-3607 VALVE GP-BRAKE CONTROL

S/N: 9EM1-792

PART OF 6Y-3516 CONTROL GP-FOOT BRAKE  
TYPE 1

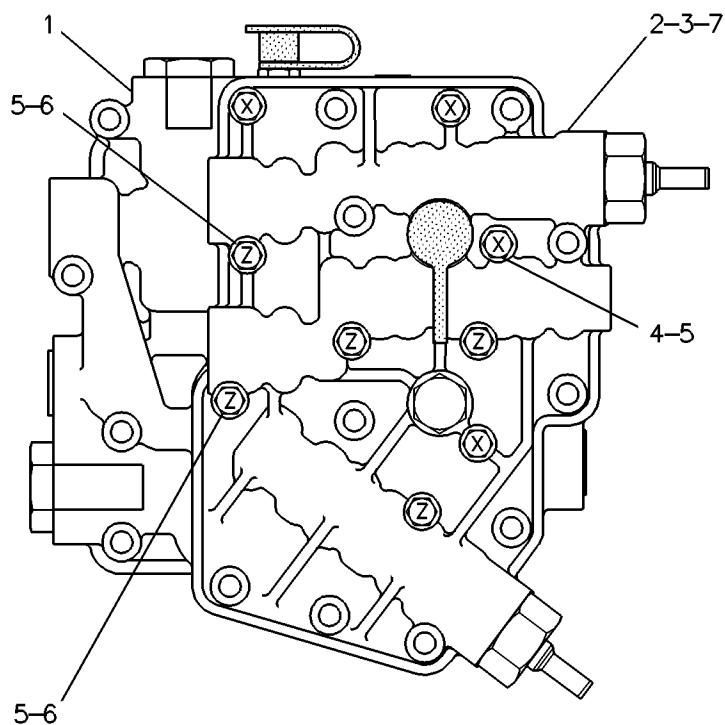
SMCS-4307

i00755418

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
Y	1	1	8E-0370	1	VALVE GP-MAKEUP & PRIORITY	734
Y	2	1	9N-4677	1	VALVE GP-BRAKE CONTROL	726
	1		8E-8616	1	PLATE-SEPARATOR	
3	1		8J-8879	2	SEAL-O-RING (266.29MM ID)	
M	4	1	8T-0100	4	BOLT (M8X1.25X60MM) (MARKED X)	
	5	1	1T-0738	9	WASHER (1.83MM THK)	
	1		9P-9150	18	WASHER (.84MM THK)	
M	6	1	5P-8347	5	BOLT (M8X1.25X70MM) (MARKED Z)	
	7	1	8M-8489	2	DOWEL (12.54MM DIA)	

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00227616

# STEERING AND BRAKING SYSTEM

## 6Y-3607 VALVE GP - BRAKE CONTROL

S/N: 9EM1-792

PART OF 6Y-3516 CONTROL GP-FOOT BRAKE  
TYPE 2

SMCS-4307

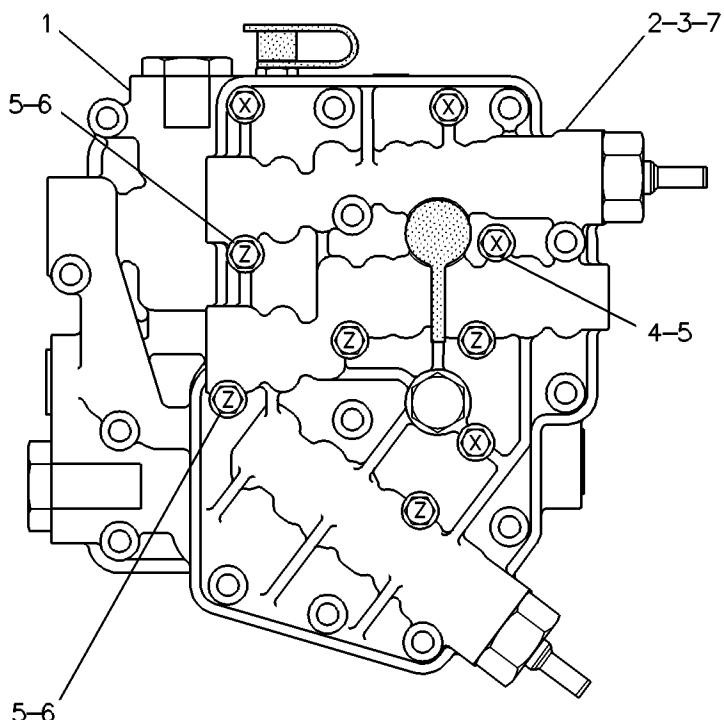
i00879977

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
YC	1	1	132-1231	1	VALVE GP-MAKEUP & PRIORITY						736
Y	2	1	9N-4677	1	VALVE GP-BRAKE CONTROL						726
		1	8E-8616	1	PLATE - SEPARATOR						
	3	1	8J-8879	2	SEAL - O-RING (266.29MM ID)						
M	4	1	8T-0100	4	BOLT (M8X1.25X60MM) (MARKED X)						
	5	1	1T-0738	9	WASHER (1.83MM THK)						
		1	9P-9150	18	WASHER (.84MM THK)						
M	6	1	5P-8347	5	BOLT (M8X1.25X70MM) (MARKED Z)						
	7	1	8M-8489	2	DOWEL (12.54MM DIA)						

C-CHANGE FROM PREVIOUS TYPE

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00227616

# STEERING AND BRAKING SYSTEM

## 6Y-3607 VALVE GP-BRAKE CONTROL

S/N: 9EM793-UP

PART OF 6Y-3516 CONTROL GP-FOOT BRAKE

SMCS-4307

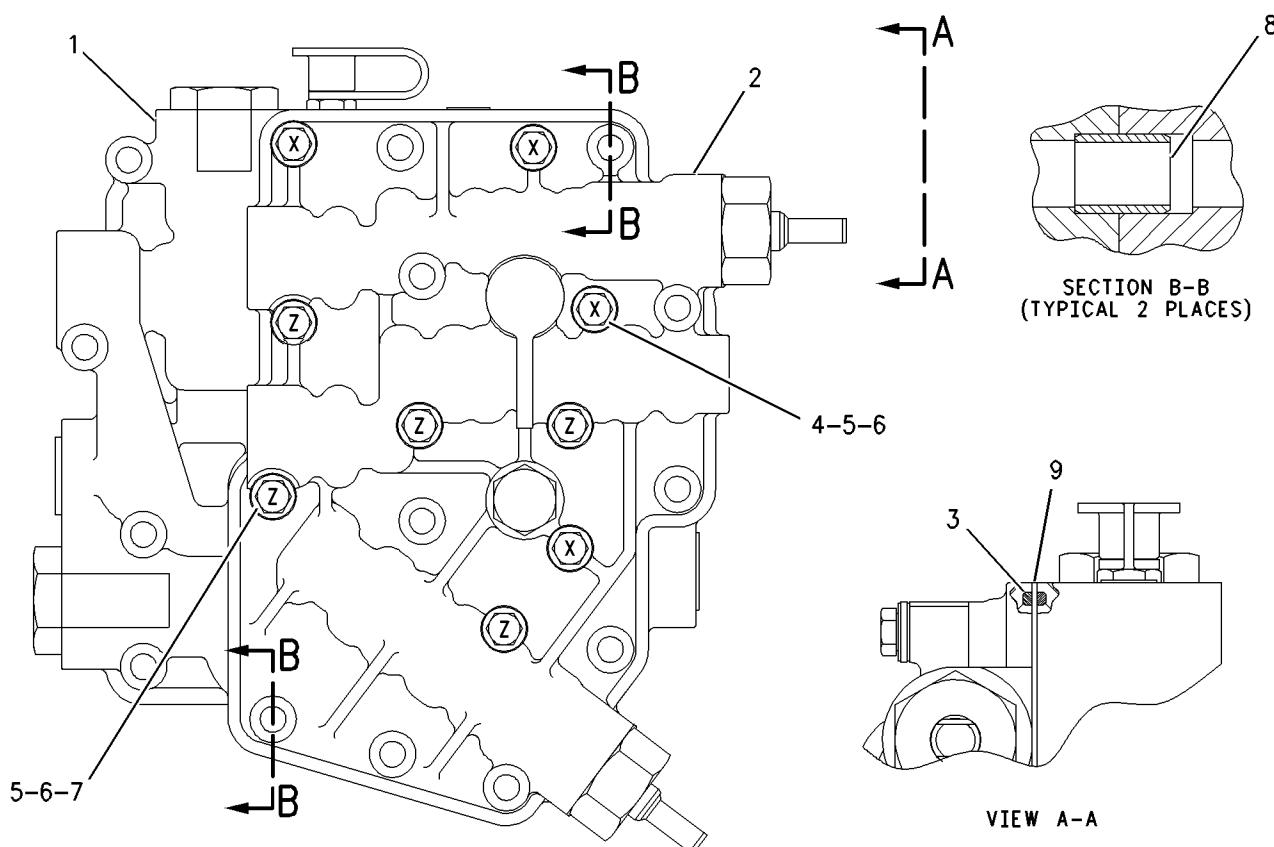
i01256478

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
Y	1	1	132-1231	1	VALVE GP-MAKEUP & PRIORITY (BRAKE)							736
CY	2	1	172-1240	1	VALVE GP-BRAKE CONTROL							728
	3	1	8J-8879	2	SEAL-O-RING							
M	4	1	8T-6869	4	BOLT (M8X1.25X60MM) (MARKED X)							
	5	1	1T-0738	9	WASHER (8.4X19X1.83MM THK)							
	6	1	9P-9150	18	WASHER (8.25X18X.84MM THK)							
M	7	1	8T-6870	5	BOLT (M8X1.25X70MM) (MARKED Z)							
	8	1	8M-8489	2	DOWEL							
	9	1	8E-8616	1	PLATE-SEPARATOR							

C-CHANGE FROM PREVIOUS TYPE

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00790251

# STEERING AND BRAKING SYSTEM

## 8E-0370 VALVE GP-MAKEUP & PRIORITY

S/N: 9EM1-UP

PART OF 6Y-3607 VALVE GP-CONTROL

SMCS-4307, 4320

i00569710

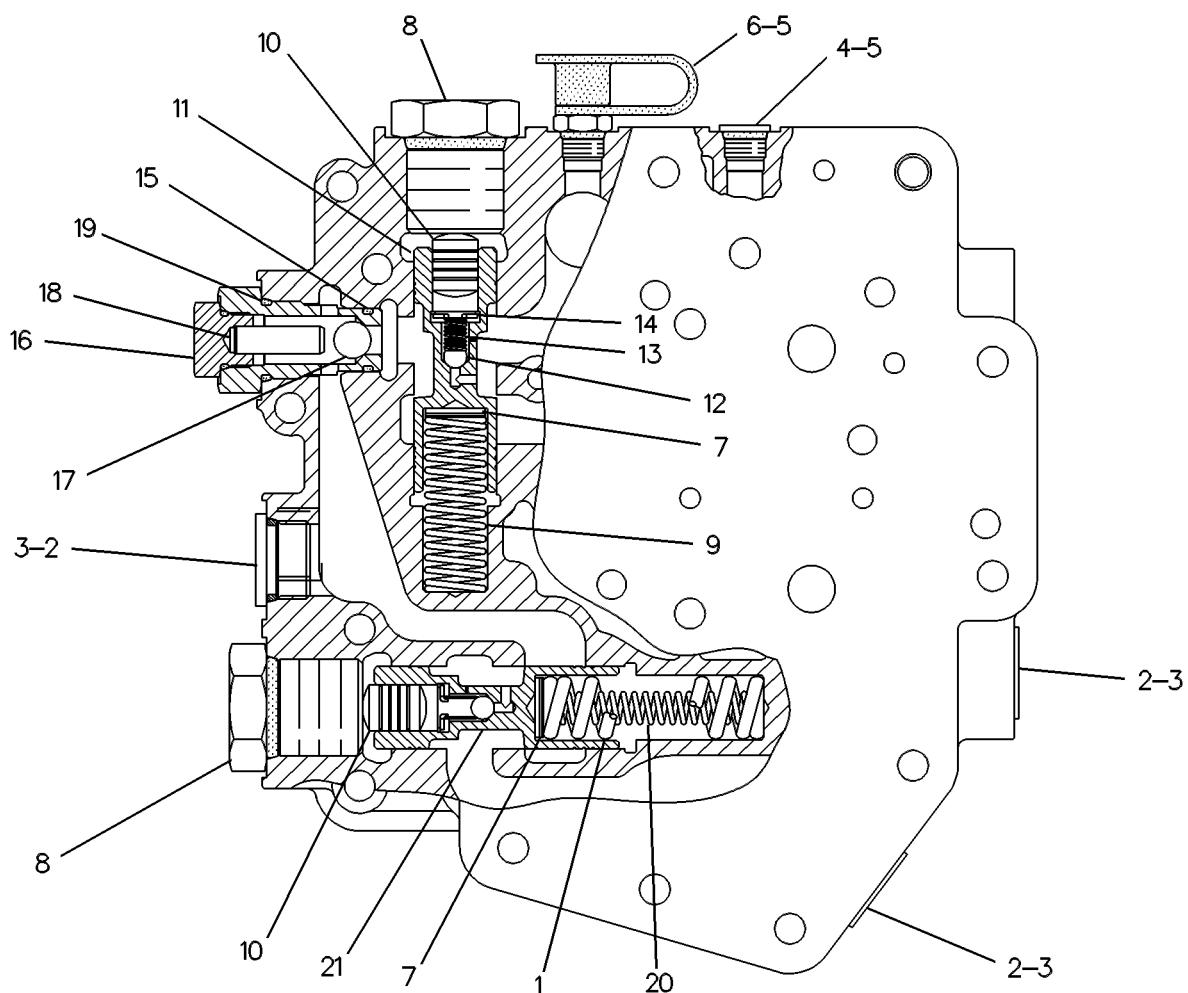
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		8E-2749	1	SPRING (OUTER)						
2	1		9S-8008	3	PLUG-O-RING (1 1/16-12 THD)						
3	1		3D-2824	3	SEAL-O-RING (23.47MM ID)						
4	1		9S-8004	1	PLUG-O-RING (9/16-18 THD)						
5	1		3J-1907	2	SEAL-O-RING (11.89MM ID)						
6	1		6V-3965	1	NIPPLE AS						
	1		6V-0852	1	CAP-DUST						
B	7	1	5M-9622	2	SPACER (1.6MM THK)						
B	1		5M-9623	2	SPACER (.9MM THK)						
B	1		5M-9624	4	SPACER (.25MM THK)						
8	1		8E-2035	2	PLUG-O-RING						
	1		7M-8485	2	SEAL-O-RING (29.74MM ID)						
9	1		8J-2634	1	SPRING						
10	1		6Y-4230	2	SLUG						
11	1		8E-2712	1	SPOOL AS						
12	1		4B-9880	1	BALL						
13	1		4M-2381	1	SPRING						
14	1		8M-1013	1	RETAINER						
	1		3D-8317	1	RING-RETAINING						
15	1		4M-8303	1	SEAL-O-RING (20.29MM ID)						
16	1		9U-8076	1	VALVE AS-CHECK						
	1		2M-9780	1	SEAL-O-RING (19.18MM ID)						
17	1		4B-9786	1	BALL						
18	1		4M-0199	1	DOWEL						
19	1		4K-1388	1	SEAL-O-RING (26.59MM ID)						
20	1		9U-8882	1	SPRING (INNER)						
21	1		131-7842	1	SPOOL AS						
	1		3D-8317	1	RING-RETAINING						
	1		4B-9880	1	BALL						
	1		4M-2381	1	SPRING						
	1		8M-1013	1	RETAINER						

B- USE AS REQUIRED

# STEERING AND BRAKING SYSTEM

8E-0370 VALVE GP - MAKEUP & PRIORITY (contd.)

i00569710



GRAPHIC #1

g00257389

# STEERING AND BRAKING SYSTEM

## 132-1231 VALVE GP-MAKEUP & PRIORITY

S/N: 9EM1-UP

PART OF 6Y-3607 VALVE GP-CONTROL

SMCS-4307, 4320

i00883389

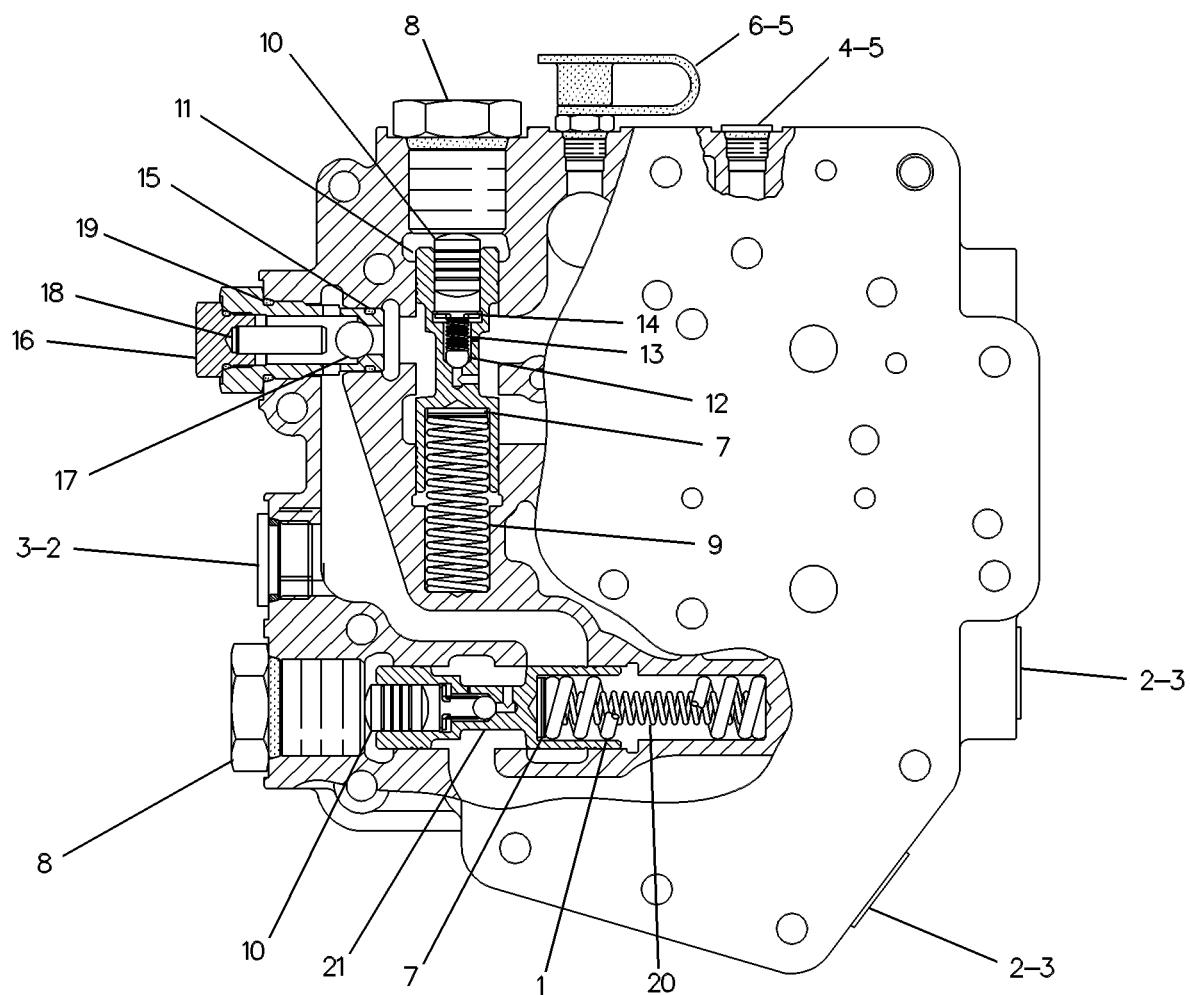
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		8E-2749	1	SPRING (OUTER)						
2	1		9S-8008	3	PLUG-O-RING (1 1/16-12 THD)						
3	1		3D-2824	3	SEAL-O-RING (23.47MM ID)						
4	1		9S-8004	1	PLUG-O-RING (9/16-18 THD)						
5	1		3J-1907	2	SEAL-O-RING (11.89MM ID)						
6	1		6V-3965	1	NIPPLE AS						
	1		6V-0852	1	CAP-DUST						
B	7	1	5M-9622	2	SPACER (1.6MM THK)						
B	1		5M-9623	2	SPACER (0.9MM THK)						
B	1		5M-9624	4	SPACER (0.25MM THK)						
8	1		8E-2035	2	PLUG-O-RING						
	1		7M-8485	2	SEAL-O-RING (29.74MM ID)						
9	1		8J-2634	1	SPRING						
10	1		6Y-4230	2	SLUG						
11	1		8E-2712	1	SPOOL AS						
12	1		4B-9880	1	BALL						
13	1		4M-2381	1	SPRING						
14	1		8M-1013	1	RETAINER						
	1		3D-8317	1	RING-RETAINING						
15	1		4M-8303	1	SEAL-O-RING (20.29MM ID)						
16	1		9U-8076	1	VALVE AS-CHECK						
	1		2M-9780	1	SEAL-O-RING (19.18MM ID)						
17	1		4B-9786	1	BALL						
18	1		4M-0199	1	DOWEL						
19	1		4K-1388	1	SEAL-O-RING (26.59MM ID)						
20	1		132-1235	1	SPRING (INNER)						
21	1		131-7842	1	SPOOL AS						
	1		3D-8317	1	RING-RETAINING						
	1		4B-9880	1	BALL						
	1		4M-2381	1	SPRING						
	1		8M-1013	1	RETAINER						

B- USE AS REQUIRED

# STEERING AND BRAKING SYSTEM

132-1231 VALVE GP - MAKEUP & PRIORITY (*contd.*)

i00883389



GRAPHIC #1

g00273596

# STEERING AND BRAKING SYSTEM

## 9T-9850 VALVE GP-RELIEF

S/N: 9EM1-UP

DIRECT OPERATED

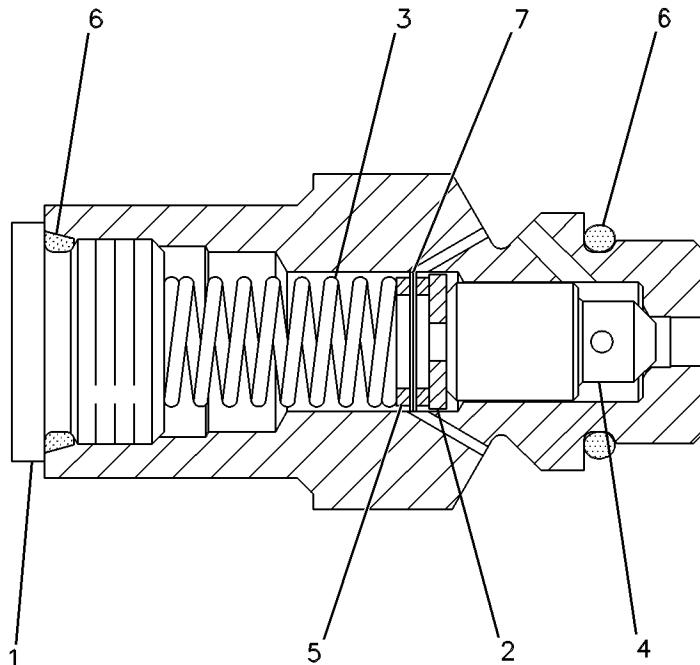
PART OF 9T-8704 VALVE GP-PRESSURE CONTROL

SMCS-4307

i00571833

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6	
1	1		9S-8005	1	PLUG-O-RING (3/4-16 THD)	
2	1		9T-6783	1	WASHER (1.6MM THK)	
3	1		4T-1044	1	SPRING	
4	1		9T-6043	1	VALVE	
B	5		6J-8696	2	SHIM (1.22MM THK)	
	6		3K-0360	2	SEAL-O-RING (16.36MM ID)	
B	7		5J-6153	2	SHIM (.193MM THK)	

B-USE AS REQUIRED



GRAPHIC #1

g00257054

# HYDRAULIC SYSTEM

## 6E-4407 ACTUATOR GP - PISTON PUMP

S/N: 9EM1-UP

PART OF 6E-1661 PUMP GP-PISTON

SMCS-5070, 5078, 5086

i01035201

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
M	1	1	5A-3604	8	BOLT-SOCKET HEAD (M8X1.25X25MM)	
	2	1	8C-3089	4	SEAL-O-RING (82.22MM ID)	
	3	1	6E-4419	2	RETAINER	
	4	1	6E-4427	2	RETAINER	
	5	1	6E-4408	1	PISTON-ACTUATOR	
	6	1	6E-4409	1	ROD	
	7	1	6E-4426	2	BUSHING	
	8	1	6E-4418	2	RETAINER	
	9	1	095-0942	2	RING-RETAINING (63.3MM ID)	
	10	1	6E-4411	1	COVER	
B	11	1	6E-4412	2	SPACER (8MM THK)	
B	1		6E-4413	2	SPACER (7.85MM THK)	
B	1		6E-4414	2	SPACER (7.9MM THK)	
B	1		6E-4415	2	SPACER (7.95MM THK)	
B	1		6E-4416	2	SPACER (8.05MM THK)	
B	1		6E-4417	2	SPACER (8.1MM THK)	
B	12	1	6E-4420	2	SPACER (7.2MM THK)	
B	1		6E-4421	2	SPACER (7.4MM THK)	
B	1		6E-4422	2	SPACER (7.3MM THK)	
	13	1	6E-4423	2	SPRING (33.14MM OD)	
	14	1	6E-4424	2	SPRING (47.96MM OD)	
	15	1	6E-4425	2	SPRING (69.2MM OD)	
	16	1	6V-5758	1	SEAL-O-RING (12.42MM ID)	
	17	1	144-9095	1	COVER	
M	18	1	3E-8000	1	NUT-JAM	

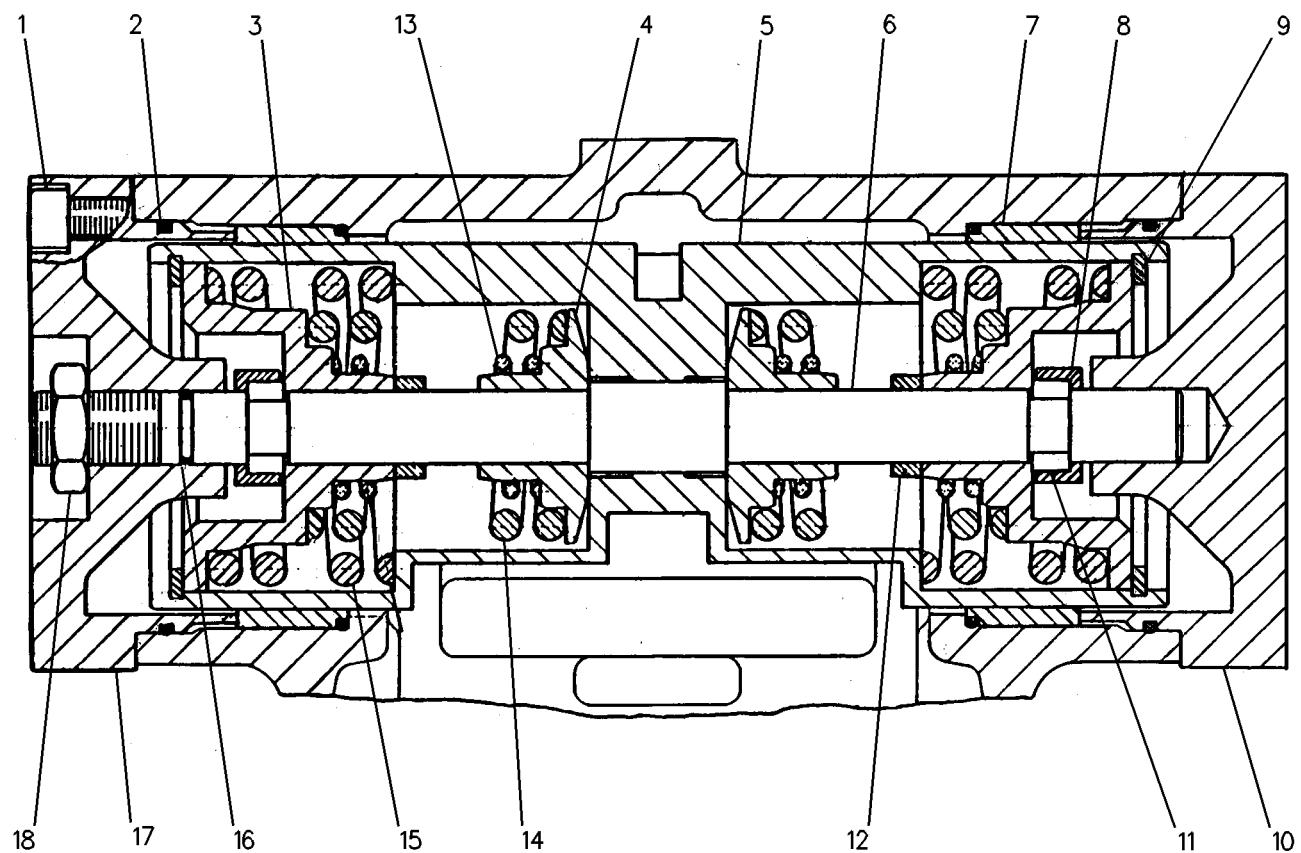
B-USE AS REQUIRED

M-METRIC PART

# HYDRAULIC SYSTEM

6E-4407 ACTUATOR GP-PISTON PUMP (*contd.*)

i01035201



GRAPHIC #1

g00228698

# HYDRAULIC SYSTEM

## 183-8430 ACTUATOR GP-PISTON PUMP

S/N: 9EM1-UP

PART OF 139-4151 PUMP GP-PISTON

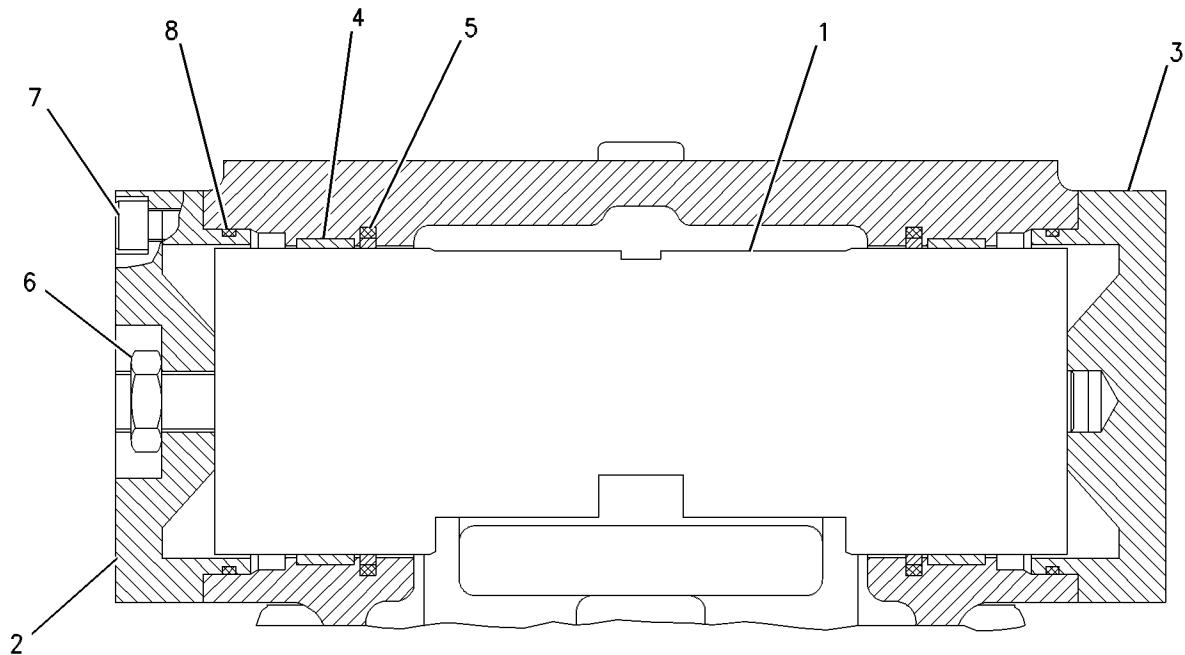
SMCS-5070, 5078, 5086

i01320712

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	183-8417	1	VALVE GP-SERVO						534
	2	1	183-8431	1	COVER						
	3	1	183-8442	1	COVER						
	4	1	183-8443	2	RING-WEAR						
	5	1	183-8444	2	RING-SEAL						
	6	1	119-0942	1	NUT						
M	7	1	5A-3604	8	BOLT-SOCKET HEAD (M8X1.25X25MM)						
	8	1	8C-3089	2	SEAL-O-RING (82.22MM ID)						

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00664406

# HYDRAULIC SYSTEM

## 6Y-3526 ADAPTER GP-MOTOR

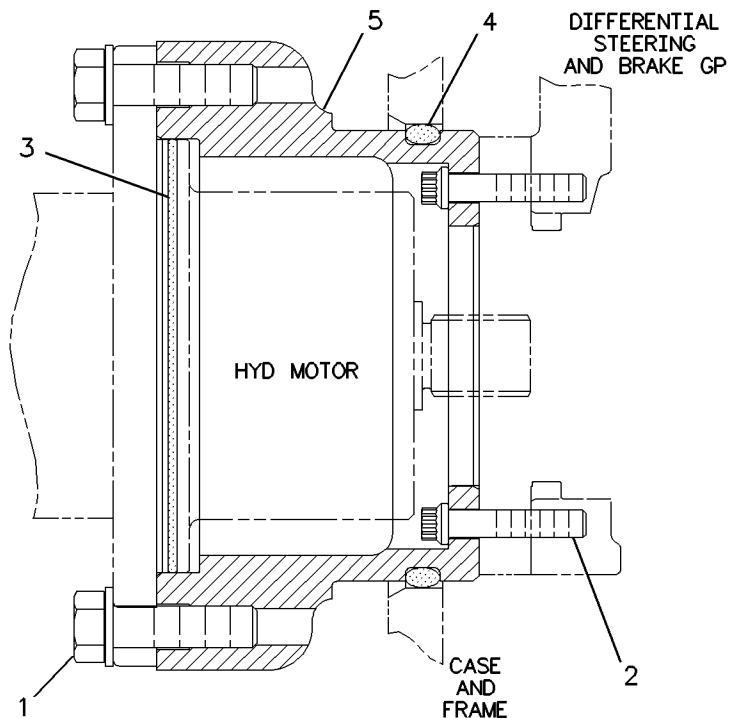
S/N: 9EM1-UP

PART OF 6Y-4857 CONTROL AR-HYDRAULIC

SMCS-5058

i01066078

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		8C-6857	2	BOLT (3/4-10X2.75IN)						
	1		8T-4994	2	WASHER (5MM THK)						
2	1		7K-6058	6	BOLT-12 POINT HEAD (1/2-13X2.5IN)						
3	1		5J-2383	1	SEAL-O-RING (190.09MM ID)						
4	1		3N-0759	1	RING-SEALING						
5	1		6Y-3988	1	ADAPTER						



GRAPHIC #1

g00215772

# HYDRAULIC SYSTEM

## 6Y-4857 CONTROL AR-HYDRAULIC

S/N: 9EM1-UP

SMCS-5050

i01318880

NOTE	PART NUMBER	QTY	PART NAME	SEE PAGE
			1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	6Y-3526	1	ADAPTER GP-MOTOR	743
Y	6Y-4743	1	LINES GP-STEERING	716
Y	9T-8345	1	MOTOR GP-PISTON	826
			S/N: 9EM1-782	
Y	159-7162	1	MOTOR GP-PISTON	827
			S/N: 9EM783-UP	
Y	6E-1661	1	PUMP GP-PISTON	832
			S/N: 9EM1-897	
Y	139-4151	1	PUMP GP-PISTON	836
			S/N: 9EM898-UP	
Y	6E-1716	1	TANK & FILTER GP-HYDRAULIC	850
			S/N: 9EM1-782	
Y	164-3700	1	TANK & FILTER GP-HYDRAULIC	854
			S/N: 9EM783-UP	
Y	9T-8704	1	VALVE GP-PRESSURE CONTROL	878

Y-SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

## 8E-2797 CONTROL AR-HYDRAULIC

S/N: 9EM1-UP

PIN PULLER

AN ATTACHMENT

**SMCS-5050**

**i01039287**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
	1	1	<b>9W-6985</b>	1	PLATE AS							
		1	<b>1F-0750</b>	4	NUT-WELD (3/8-16 THD)							
Y	2	1	<b>6T-4531</b>	1	VALVE & MTG GP-CONTROL							861
I	3	1	<b>7T-0628</b>	1	HOSE AS							
	4	1	<b>6V-8397</b>	4	SEAL-O-RING (9.27MM ID)							
	5	1	<b>6V-8724</b>	4	ELBOW (9/16-18 THD)							
	6	1	<b>8T-4223</b>	2	WASHER-HARD (3MM THK)							
		1	<b>7X-3325</b>	2	BOLT-LOCKING							
I	7	1	<b>5T-9996</b>	1	HOSE AS							
	8	1	<b>3T-3045</b>	1	CLIP AS (12MM ID)							
	9	1	<b>101-2915</b>	1	FILM-INSTRUCTION							
	10	1	<b>6T-6970</b>	1	SWITCH AS-TOGGLE (RIPPER SHANK PIN CONTROL)							
		1	<b>3L-8187</b>	3	LOCKWASHER (#6-INT)							
		1	<b>6T-3631</b>	2	NUT-HEX (15/32-32 THD)							
		1	<b>6T-3632</b>	1	LOCKWASHER (12MM ID)							
		1	<b>6T-3633</b>	1	LOCKRING							
		1	<b>6V-8374</b>	3	SCREW-MACHINE (6-32X.25IN)							
11	1	<b>8T-4896</b>	4	WASHER-HARD (2.5MM THK)								
		1	<b>8T-9101</b>	4	BOLT (3/8-16X2.75IN)							
12	1	<b>3J-1907</b>	6	SEAL-O-RING (11.89MM ID)								
13	1	<b>8C-8988</b>	2	ELBOW-45 DEGREE SWIVEL								

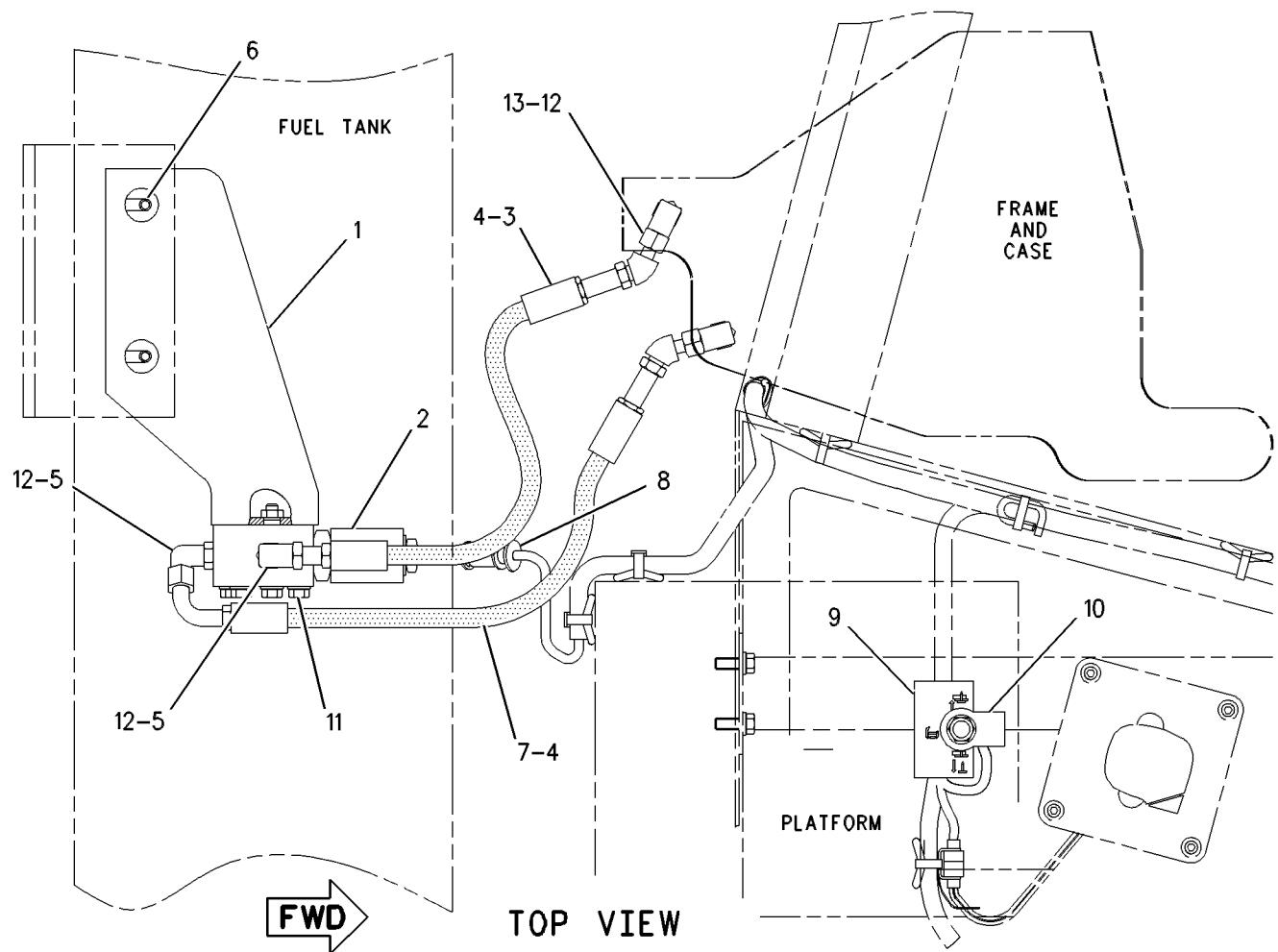
I- SEE HOSE FABRICATION GUIDE

Y- SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

8E-2797 CONTROL AR-HYDRAULIC (contd.)

i01039287



GRAPHIC #1

g00536239

# HYDRAULIC SYSTEM

## 8E-2797 CONTROL AR-HYDRAULIC

S/N: 9EM1237-1262

PIN PULLER  
AN ATTACHMENT

**SMCS-5050**

**i01513042**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
C	1	1	<b>160-4782</b>	1	PLATE AS							
		1	<b>1F-0750</b>	4	NUT-WELD (3/8-16 THD)							
CY	2	1	<b>188-6140</b>	1	VALVE & MTG GP-CONTROL							862
I	3	1	<b>7T-0628</b>	1	HOSE AS							
	4	1	<b>6V-8397</b>	4	SEAL-O-RING							
	5	1	<b>6V-8724</b>	4	ELBOW							
	6	1	<b>3J-1907</b>	6	SEAL-O-RING							
I	7	1	<b>5T-9996</b>	1	HOSE AS							
	8	1	<b>3T-3045</b>	1	CLIP AS							
	9	1	<b>6T-6970</b>	1	SWITCH AS-TOGGLE (RIPPER PIN PULLER)							
		1	<b>6T-3631</b>	2	NUT-HEX (15/32-32 THD)							
		1	<b>6T-3632</b>	1	LOCKWASHER							
		1	<b>6T-3633</b>	1	RING-LOCKING							
		1	<b>6V-8374</b>	3	SCREW-MACHINE (6-32X0.25 IN)							
		1	<b>3L-8187</b>	3	LOCKWASHER							
	10	1	<b>8T-4896</b>	4	WASHER-HARD (10.2X18.5X2.5MM THK)							
C	11	1	<b>8T-8915</b>	4	BOLT (3/8-16X3.25 IN)							
	12	1	<b>8T-4223</b>	2	WASHER-HARD (13.5X25.5X3MM THK)							
C	13	1	<b>8T-8917</b>	2	BOLT (1/2-13X1.25 IN)							
	14	1	<b>137-3936</b>	1	FILM-INSTRUCTION							
	15	1	<b>8C-8988</b>	2	ELBOW (45 DEGREE)							
C	16	1	<b>200-8257</b>	1	HARNESS AS							
		1	<b>155-2271</b>	1	KIT-CONNECTING PLUG (4 PIN) (INCLUDES PLUG AS, WEDGE & INTERFACE SEAL)							

C-CHANGE FROM PREVIOUS TYPE

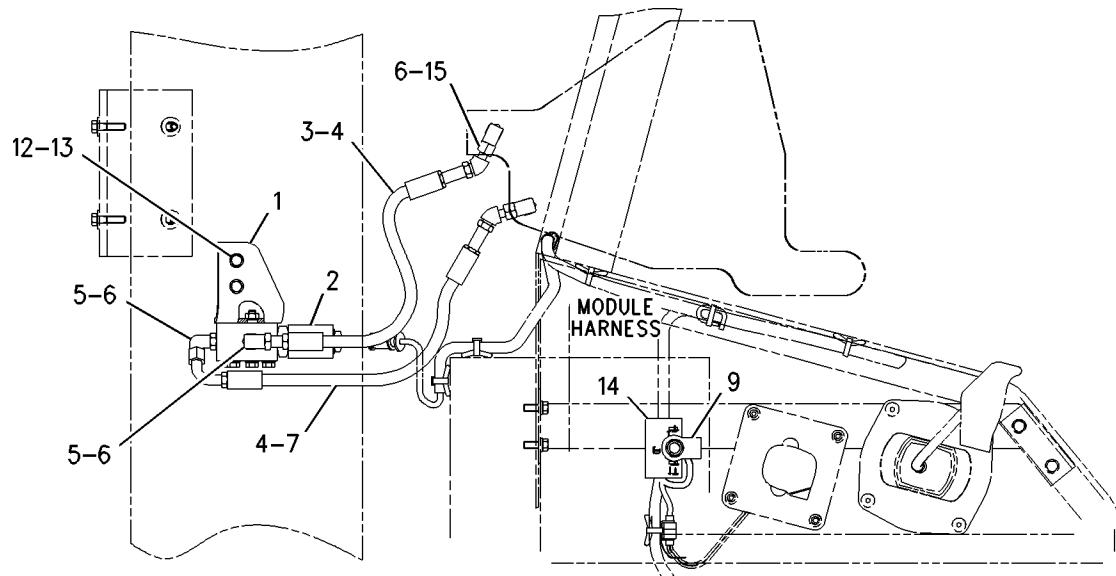
I-SEE HOSE FABRICATION GUIDE

Y-SEPARATE ILLUSTRATION

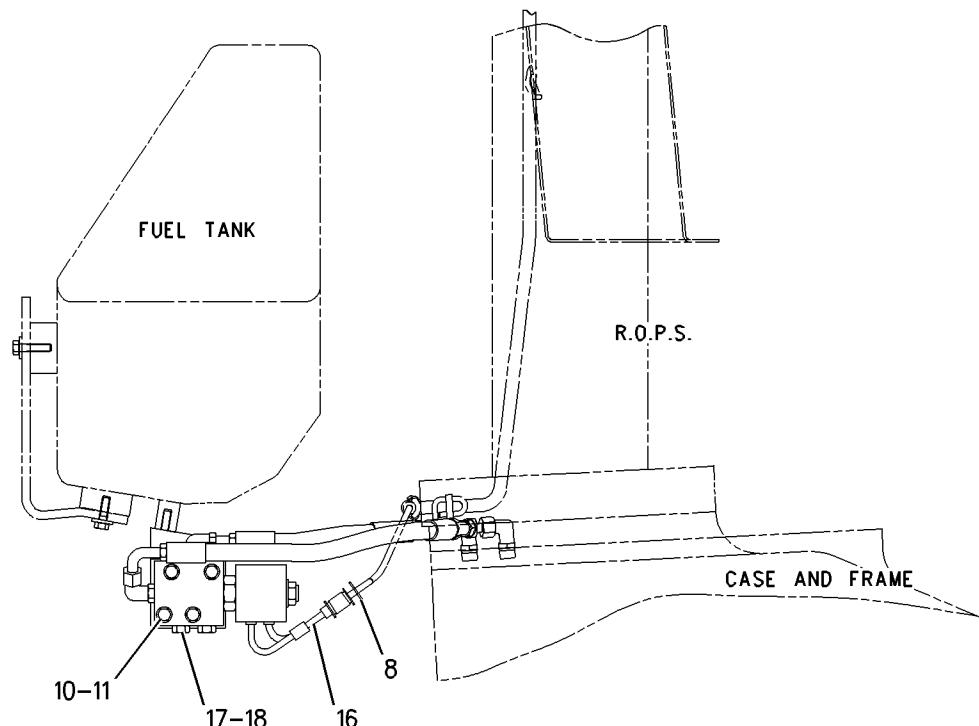
# HYDRAULIC SYSTEM

8E-2797 CONTROL AR-HYDRAULIC (contd.)

i01513042



TOP VIEW



FRONT VIEW

GRAPHIC #1

g00795419

# HYDRAULIC SYSTEM

## 8E-2797 CONTROL AR-HYDRAULIC

S/N: 9EM1263-UP

PIN PULLER  
AN ATTACHMENT

**SMCS-5050**

**i01612515**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		<b>160-4782</b>	1	PLATE AS							
			<b>1F-0750</b>	4	NUT-WELD (3/8-16 THD)							
Y	2	1	<b>188-6140</b>	1	VALVE & MTG GP-CONTROL							862
I	3	1	<b>7T-0628</b>	1	HOSE AS							
	4	1	<b>6V-8397</b>	4	SEAL-O-RING							
	5	1	<b>6V-8724</b>	4	ELBOW							
	6	1	<b>3J-1907</b>	6	SEAL-O-RING							
I	7	1	<b>5T-9996</b>	1	HOSE AS							
	8	1	<b>6T-6970</b>	1	SWITCH AS-TOGGLE (RIPPER PIN PULLER)							
		1	<b>6T-3631</b>	2	NUT-HEX (15/32-32 THD)							
		1	<b>6T-3632</b>	1	LOCKWASHER (11.96X15.08X.53MM THK)							
		1	<b>6T-3633</b>	1	RING-LOCKING (12.3X18.26X.79MM THK)							
		1	<b>6V-8374</b>	3	SCREW-MACHINE (6-32X0.25 IN)							
		1	<b>3L-8187</b>	3	LOCKWASHER (NO 6 INTERNAL TOOTH)							
9	1		<b>8T-4896</b>	4	WASHER-HARD (10.2X18.5X2.5MM THK)							
10	1		<b>8T-8915</b>	4	BOLT (3/8-16X3.25 IN)							
11	1		<b>8T-4223</b>	2	WASHER-HARD (13.5X25.5X3MM THK)							
12	1		<b>8T-8917</b>	2	BOLT (1/2-13X1.25 IN)							
13	1		<b>137-3936</b>	1	FILM-INSTRUCTION							
14	1		<b>8C-8988</b>	2	ELBOW							

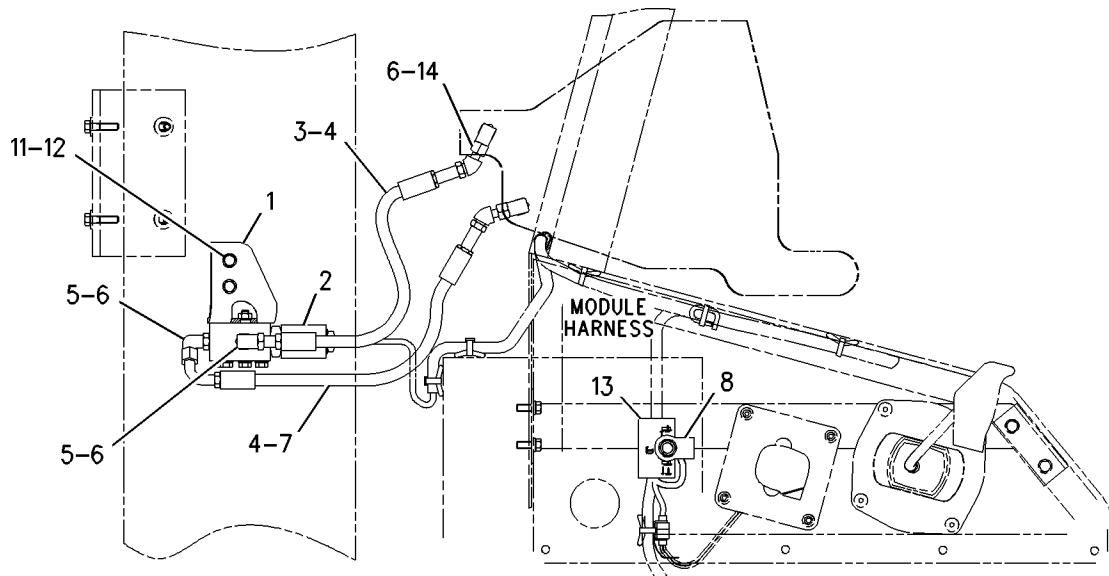
I - SEE HOSE FABRICATION GUIDE

Y - SEPARATE ILLUSTRATION

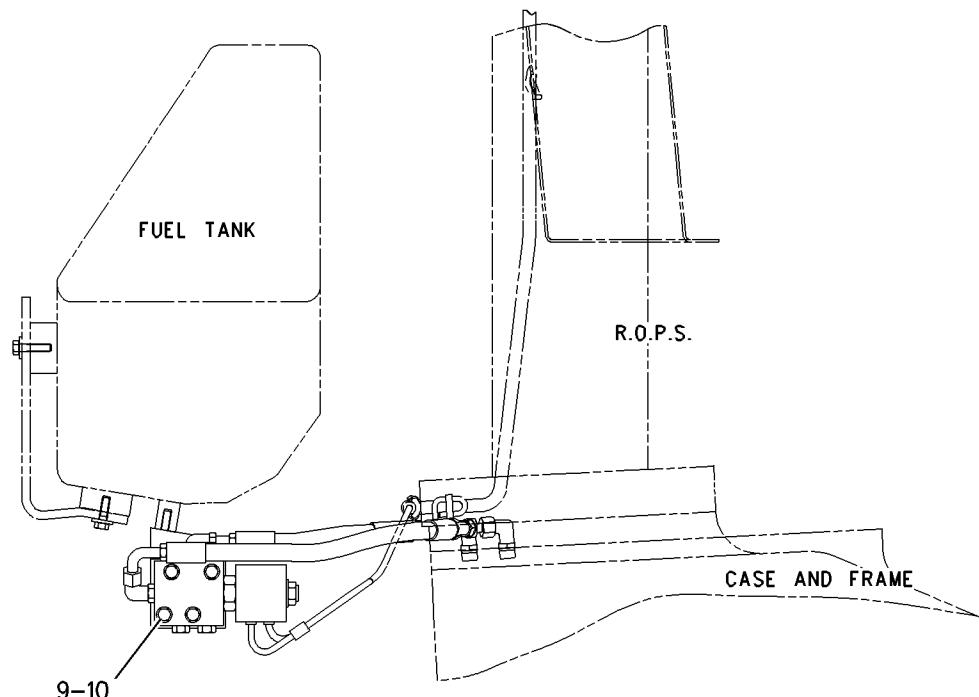
# HYDRAULIC SYSTEM

8E-2797 CONTROL AR-HYDRAULIC (contd.)

i01612515



TOP VIEW



FRONT VIEW

GRAPHIC #1

g00828893

# HYDRAULIC SYSTEM

## 108-1011 CONTROL AR-HYDRAULIC

S/N: 9EM1-UP

RIPPER

AN ATTACHMENT

SMCS-5050

i00569858

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE
			1 2 3 4 5 6		
Y	112-8191	1	LINES GP-RIPPER		814
Y	6Y-3528	1	LINKAGE GP-IMPLEMENT		922
Y	9T-8347	1	VALVE GP-DIVERTER		874

Y-SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

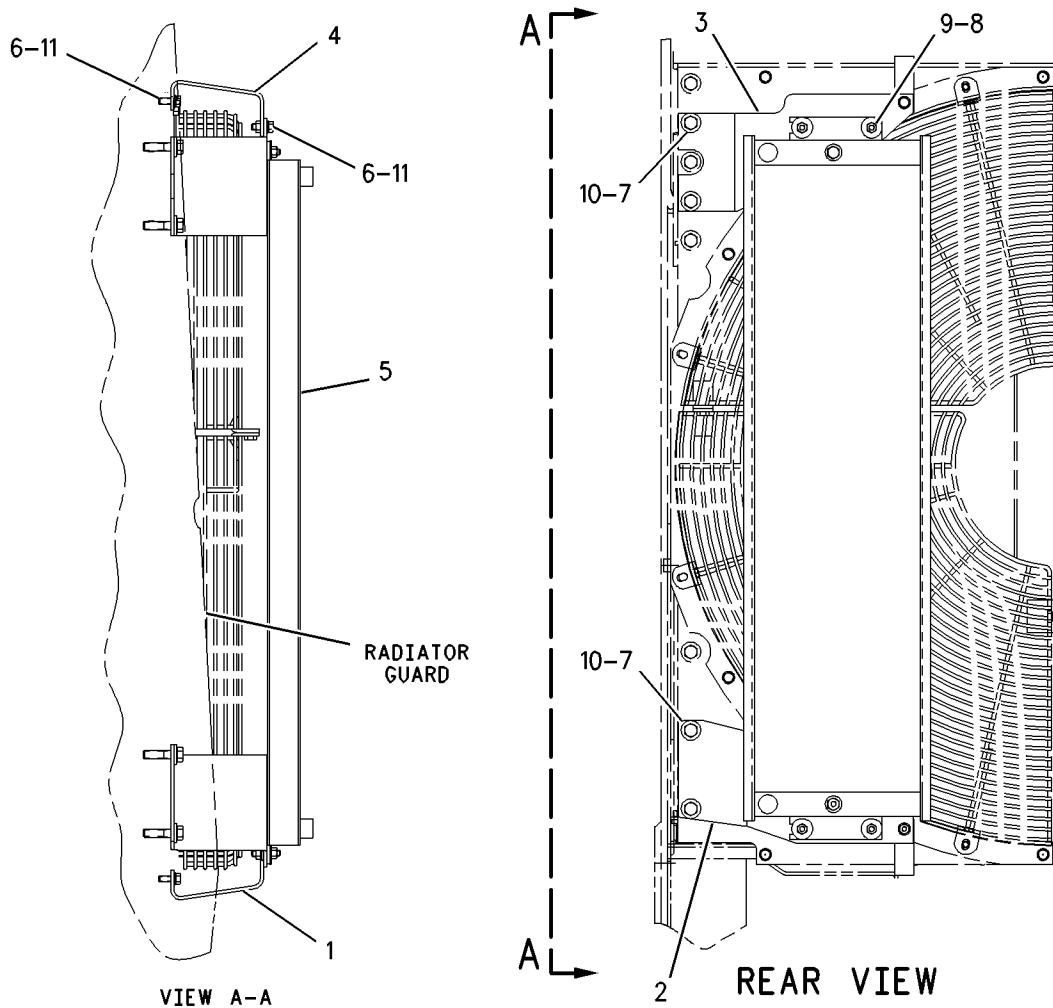
## 109-9677 COOLER GP - HYDRAULIC OIL

S/N: 9EM1-UP

SMCS-1374, 5071

i01503088

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1	1	110-6917	1	BRACKET AS						
		1	1F-0750	1	NUT-WELD (3/8-16 THD)						
2	1	1	110-6938	1	BRACKET AS						
		1	7M-7794	2	STUD-WELD						
3	1	1	118-0227	1	BRACKET AS						
		1	7M-7794	2	STUD-WELD						
		1	1F-0750	1	NUT-WELD (3/8-16 THD)						
4	1	1	172-1672	1	BRACKET AS						
		1	1F-0750	1	NUT-WELD (3/8-16 THD)						
5	1	1	194-6083	1	CORE AS-HYDRAULIC OIL COOLER						
		1	8T-6767	2	PLUG-PIPE						
6	1	4	4L-6454	4	BOLT (3/8-16X1 IN)						
7	1	5	5P-1076	4	WASHER-HARD (13.5X30X4MM THK)						
8	1	6	6V-8801	4	NUT (3/8-16 THD)						
9	1	7	8T-2561	4	WASHER-HARD (10.5X28.5X5MM THK)						
10	1	8	8T-4835	4	BOLT (1/2-13X2 IN)						
11	1	9	8T-4896	4	WASHER-HARD (10.2X18.5X2.5MM THK)						



GRAPHIC #1

g00735983

# HYDRAULIC SYSTEM

## 108-6979 CYLINDER & LINES GP-LIFT-LH

S/N: BHE1-UP; 9EM1-UP; 3MP1-UP; 4ZP1-99999; BHR1-UP

PART OF 111-8283, 175-3852 BULLDOZER AR, 111-8281 BULLDOZER AR-SEMI-UNIVERSAL,  
111-8279 BULLDOZER AR-UNIVERSAL  
AN ATTACHMENT

**SMCS-5102**

**i00569877**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	<b>8E-8334</b>	1	PLATE AS						
	2	1	<b>5S-7379</b>	4	BOLT (3/8-16X.875IN)						
	3	1	<b>5P-1075</b>	6	WASHER-HARD (3MM THK)						
I	4	1	<b>108-6981</b>	1	HOSE AS						
	5	1	<b>5K-9090</b>	1	SEAL-O-RING (23.52MM ID)						
	6	1	<b>4J-0520</b>	3	SEAL-O-RING (32.92MM ID)						
I	7	1	<b>108-6982</b>	1	HOSE AS						
	8	1	<b>9U-8676</b>	1	TUBE AS						
	9	1	<b>9X-8260</b>	1	CONNECTOR-O-RING						
	10	1	<b>4K-1388</b>	1	SEAL-O-RING (26.59MM ID)						
	11	1	<b>6V-8400</b>	1	SEAL-O-RING (29.9MM ID)						
	12	1	<b>2S-4078</b>	1	SEAL-O-RING (37.46MM ID)						
	13	1	<b>6V-9875</b>	1	CONNECTOR						
	14	1	<b>8E-6269</b>	1	BRACKET AS						
		1	<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)						
	15	1	<b>8T-4896</b>	4	WASHER-HARD (2.5MM THK)						
	16	1	<b>4L-9337</b>	2	BOLT (3/8-16X1.50IN)						
	17	1	<b>4L-6454</b>	2	BOLT (3/8-16X1.0IN)						
	18	1	<b>5S-7382</b>	2	BOLT (3/8-16X1.375IN)						
	19	1	<b>1P-4577</b>	2	FLANGE-HALF						
Y	20	1	<b>6E-1102</b>	1	CYLINDER GP-BULLDOZER LIFT						759
	21	1	<b>8E-6303</b>	1	CLIP (TAB)						
	22	1	<b>8E-6304</b>	1	CLIP (SLOT)						
	23	1	<b>8T-8919</b>	1	BOLT (1/2-13X1.75IN)						
	24	1	<b>6V-8188</b>	1	NUT (1/2-13 THD)						
	25	1	<b>8T-4223</b>	2	WASHER-HARD (3MM THK)						

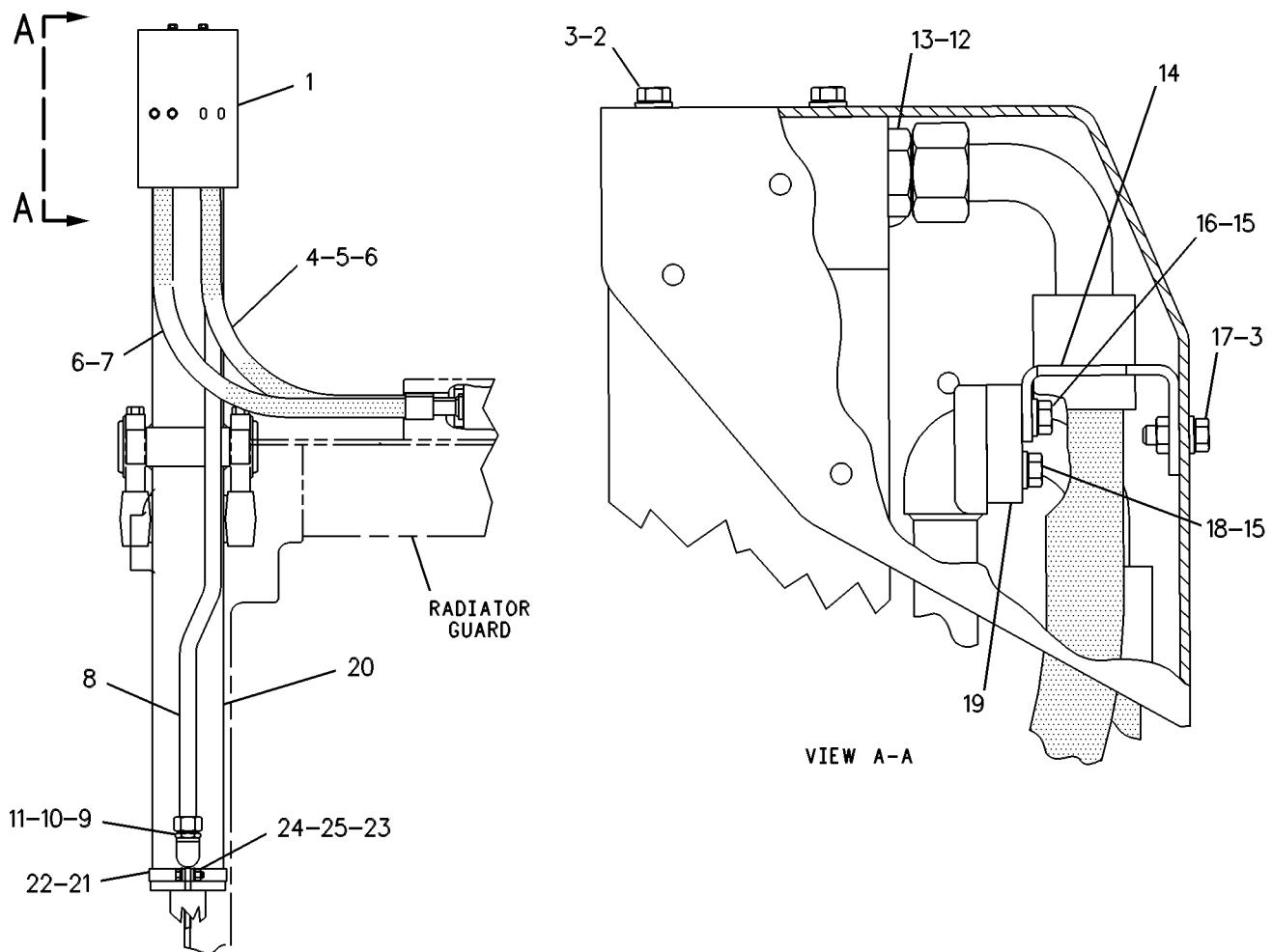
I - SEE HOSE FABRICATION GUIDE

Y - SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

108-6979 CYLINDER & LINES GP-LIFT (*contd.*)

i00569877



GRAPHIC #1

g00256021

# HYDRAULIC SYSTEM

## 108-6980 CYLINDER & LINES GP-LIFT-RH

S/N: BHE1-UP; 9EM1-UP; 3MP1-UP; 4ZP1-99999; BHR1-UP

PART OF 111-8283, 175-3852 BULLDOZER AR, 111-8281 BULLDOZER AR-SEMI-UNIVERSAL,  
111-8279 BULLDOZER AR-UNIVERSAL  
AN ATTACHMENT

**SMCS-5102**

**i00569887**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	<b>8E-8334</b>	1	PLATE AS	
	2	1	<b>5S-7379</b>	4	BOLT (3/8-16X.875IN)	
	3	1	<b>5P-1075</b>	6	WASHER-HARD (3MM THK)	
I	4	1	<b>108-6981</b>	1	HOSE AS	
	5	1	<b>5K-9090</b>	1	SEAL-O-RING (23.52MM ID)	
	6	1	<b>4J-0520</b>	3	SEAL-O-RING (32.92MM ID)	
I	7	1	<b>108-6982</b>	1	HOSE AS	
	8	1	<b>8E-8330</b>	1	TUBE AS	
	9	1	<b>9X-8260</b>	1	CONNECTOR-O-RING	
	10	1	<b>4K-1388</b>	1	SEAL-O-RING (26.59MM ID)	
	11	1	<b>6V-8400</b>	1	SEAL-O-RING (29.9MM ID)	
	12	1	<b>2S-4078</b>	1	SEAL-O-RING (37.46MM ID)	
	13	1	<b>6V-9875</b>	1	CONNECTOR	
	14	1	<b>8E-6269</b>	1	BRACKET AS	
	15	1	<b>8T-4896</b>	4	WASHER-HARD (2.5MM THK)	
	16	1	<b>4L-9337</b>	2	BOLT (3/8-16X1.50IN)	
	17	1	<b>4L-6454</b>	2	BOLT (3/8-16X1.0IN)	
	18	1	<b>5S-7382</b>	2	BOLT (3/8-16X1.375IN)	
	19	1	<b>1P-4577</b>	2	FLANGE-HALF	
Y	20	1	<b>6E-1102</b>	1	CYLINDER GP-BULLDOZER LIFT	759
	21	1	<b>8E-6303</b>	1	CLIP (TAB)	
	22	1	<b>8E-6304</b>	1	CLIP (SLOT)	
	23	1	<b>8T-8919</b>	1	BOLT (1/2-13X1.75IN)	
	24	1	<b>6V-8188</b>	1	NUT (1/2-13 THD)	
	25	1	<b>8T-4223</b>	2	WASHER-HARD (3MM THK)	

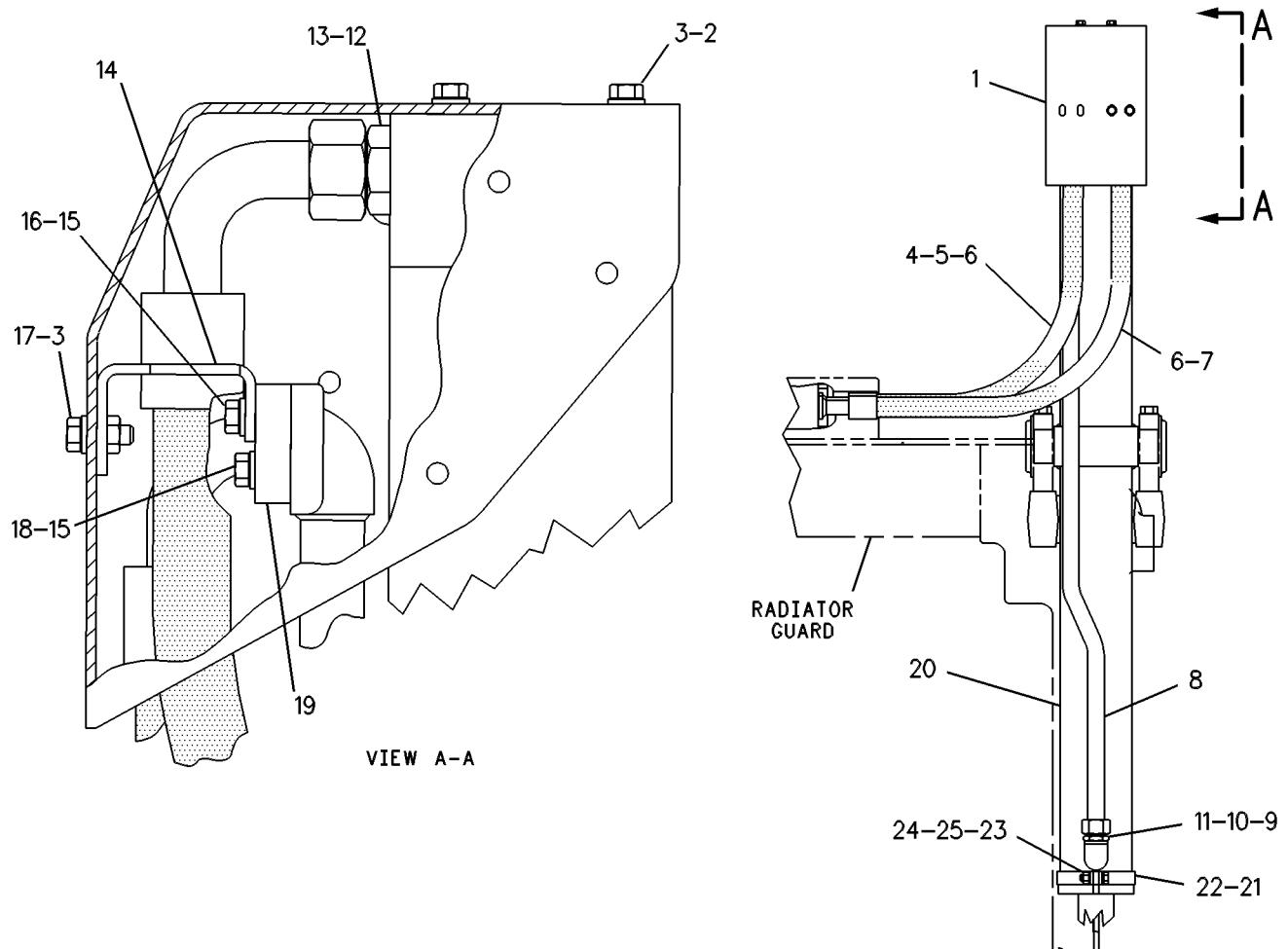
I-SEE HOSE FABRICATION GUIDE

Y-SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

108-6980 CYLINDER & LINES GP-LIFT (*contd.*)

i00569887



GRAPHIC #1

g00256017

# HYDRAULIC SYSTEM

## 8E-3039 CYLINDER AR-TILT

S/N: 9EM1-UP

AN ATTACHMENT

SMCS-5104

i01224248

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	6E-0397	2	CYLINDER GP-TILT						778
Y	8E-6579	1	LINES GP-TILT CYLINDER						818

Y-SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

## 6E-1102 CYLINDER GP-BULLDOZER LIFT

S/N: BHE1-UP; 9EM1-UP; 3MP1-UP; 4ZP1-99999; BHR1-UP

114.3 MM (4.5 IN) BORE X 1425 MM (56.1 IN) STROKE

PART OF 108-6979, 108-6980 CYLINDER & LINES GP-LIFT  
AN ATTACHMENT

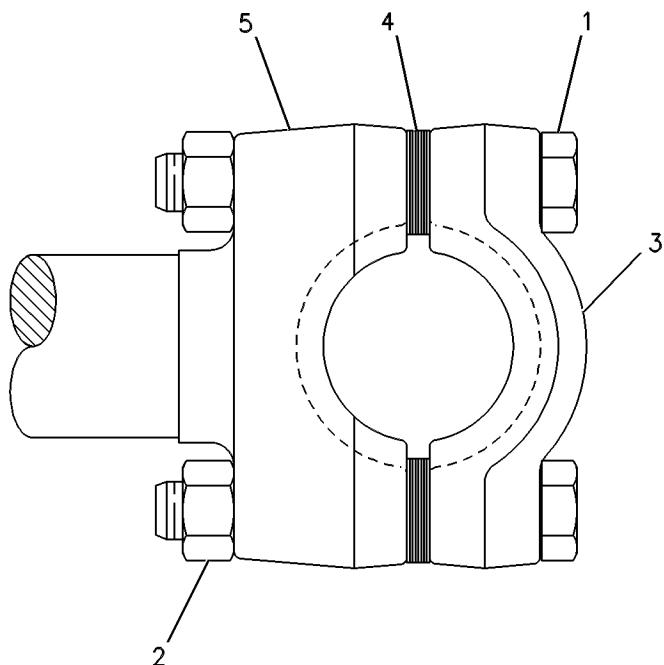
SMCS-5102

i00570571

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
1	1		9F-6936	4	BOLT (1-8X6IN)							
2	1		2J-3507	4	NUT-FULL (1-8 THD)							
3	1		3G-0910	1	CAP-BEARING							
B	4	1	3G-0911	28	SHIM (.8MM THK)							
Y	5	1	124-4771	1	CYLINDER GP							760

B-USE AS REQUIRED

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00257100

# HYDRAULIC SYSTEM

## 124-4771 CYLINDER GP-BULLDOZER LIFT

S/N: BHE1-UP; 9EM1-923; 3MP1-UP; 4ZP1-99999

114.3 MM (4.5 IN) BORE X 1425 MM (56.1 IN) STROKE

PART OF 6E-1102 CYLINDER GP-BULLDOZER LIFT

AN ATTACHMENT

**SMCS-5102**

**i01138790**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
R	1	1	<b>6E-1103</b>	1	CYLINDER AS						
	2	1	<b>6E-1108</b>	2	BEARING-SLEEVE						
	3	1	<b>106-1017</b>	1	WASHER (6MM THK)						
	4	1	<b>6E-1109</b>	1	PISTON AS						
	5	1	<b>4J-3745</b>	1	RING-WEAR						
	6	1	<b>9X-7269</b>	1	SEAL AS						
	7	1	<b>120-6674</b>	1	HEAD						
R	8	1	<b>6E-1111</b>	1	ROD AS						
	9	1	<b>8C-5218</b>	1	SEAL-LIP						
	10	1	<b>5J-8300</b>	1	SEAL-U-CUP						
	11	1	<b>8C-9126</b>	1	SEAL AS						
	12	1	<b>8C-9161</b>	1	RING						
	13	1	<b>7M-2275</b>	1	RING-RETAINING						
	14	1	<b>1K-7095</b>	1	RING-BACKUP						
M	15	1	<b>8T-1605</b>	1	BOLT (M36X4X100MM)						
	16	1	<b>3E-6703</b>	1	SEAL-O-RING (110.72MM ID)						

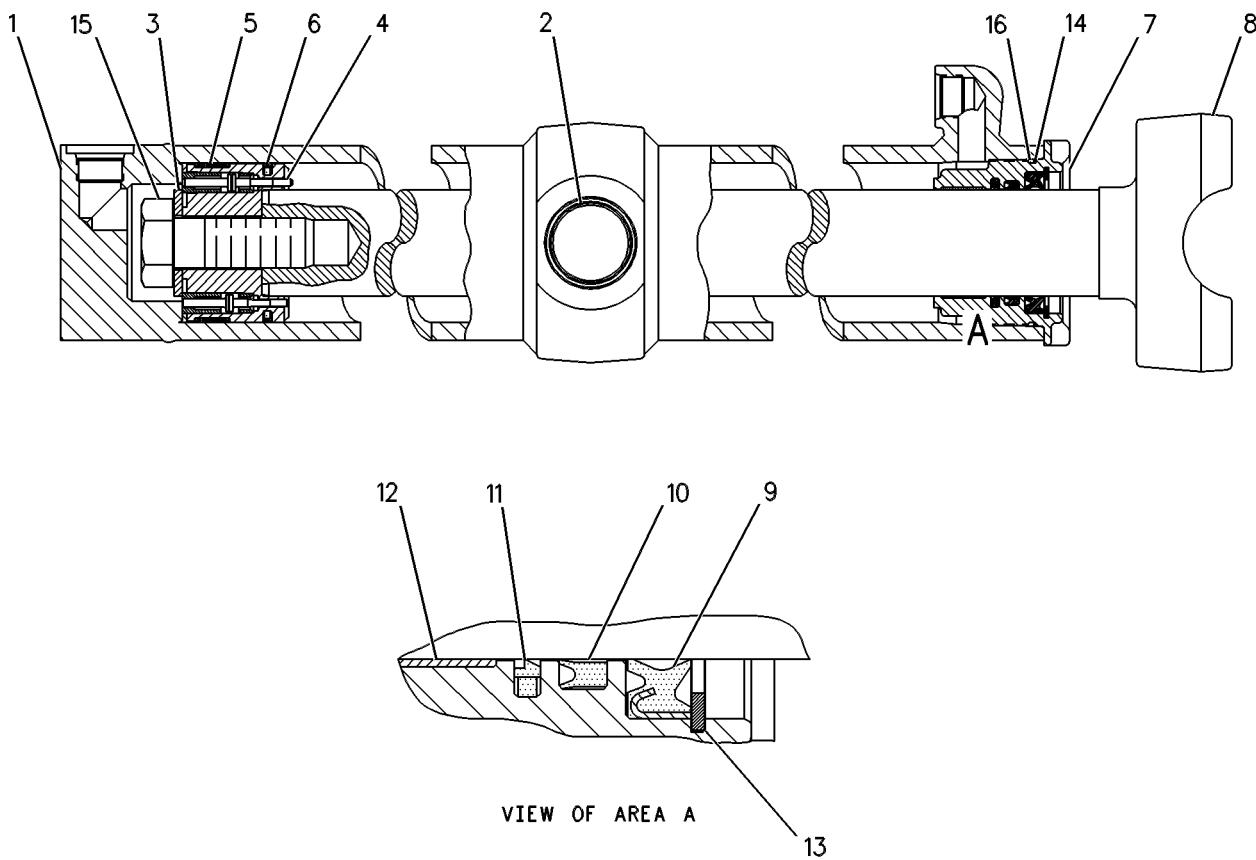
M-METRIC PART

R-REMFG PART MAY BE AVAILABLE

# HYDRAULIC SYSTEM

124-4771 CYLINDER GP - BULLDOZER LIFT (*contd.*)

i01138790



GRAPHIC #1

g00257104

# HYDRAULIC SYSTEM

## 124-4771 CYLINDER GP-BULLDOZER LIFT

S/N: BHE1-UP; 9EM924-UP; 3MP1-UP; 4ZP1-99999; BHR1-UP

114.3 MM (4.5 IN) BORE X 1425 MM (56.1 IN) STROKE

PART OF 6E-1102 CYLINDER GP-BULLDOZER LIFT

AN ATTACHMENT

**SMCS-5102**

**i01416973**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
R	1	1	<b>6E-1103</b>	1	CYLINDER AS						
	2	1	<b>6E-1108</b>	2	BEARING-SLEEVE						
	3	1	<b>106-1017</b>	1	WASHER (36.7X77X6MM THK)						
	4	1	<b>6E-1109</b>	1	PISTON AS						
	5	1	<b>4J-3745</b>	1	RING-WEAR						
	6	1	<b>9X-7269</b>	1	SEAL AS						
C	7	1	<b>163-6474</b>	1	HEAD						
R	8	1	<b>6E-1111</b>	1	ROD AS						
C	9	1	<b>167-2469</b>	1	SEAL-WIPER						
C	10	1	<b>9X-7412</b>	1	SEAL-U-CUP						
C	11	1	<b>167-2208</b>	1	SEAL AS-BUFFER						
	12	1	<b>8C-9161</b>	1	RING-WEAR						
C	13	1	<b>5H-6734</b>	1	SEAL-O-RING						
	14	1	<b>1K-7095</b>	1	RING-BACKUP						
CM	15	1	<b>173-9682</b>	1	BOLT-HEX HEAD (M36X4X100MM)						

C-CHANGE FROM PREVIOUS TYPE

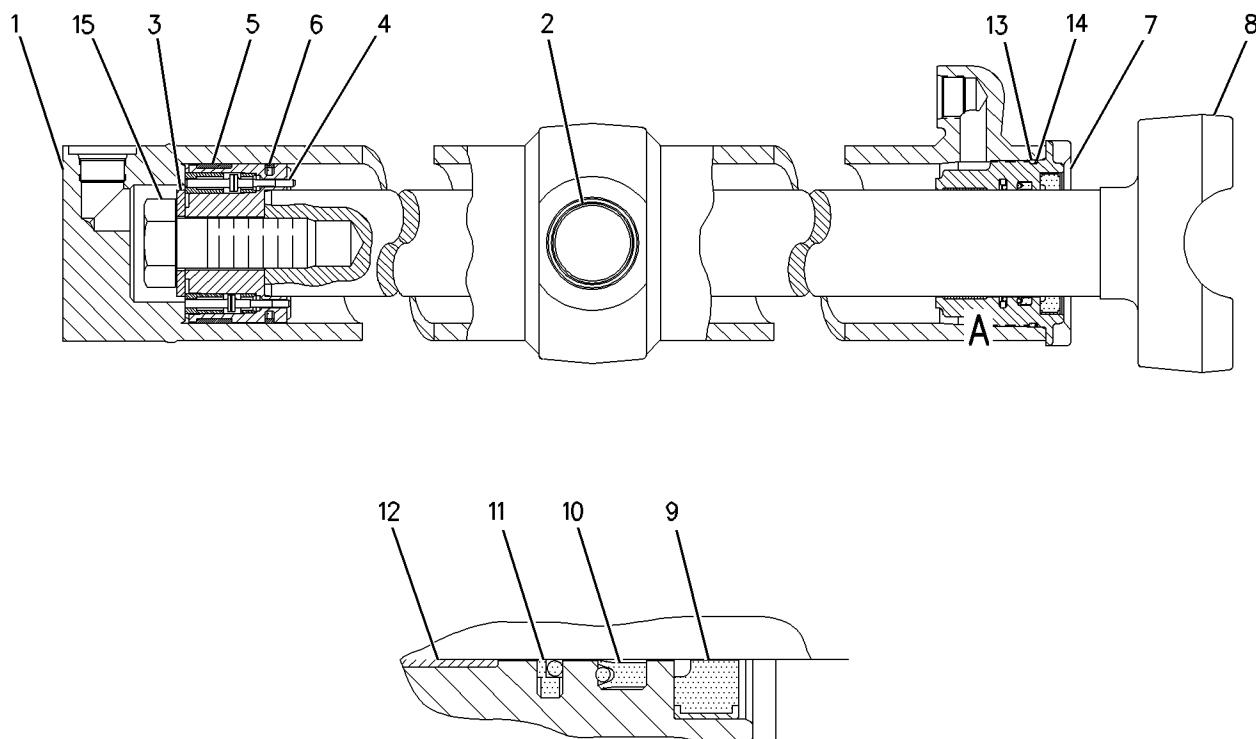
M-METRIC PART

R-REMFG PART MAY BE AVAILABLE

# HYDRAULIC SYSTEM

124-4771 CYLINDER GP - BULLDOZER LIFT (*contd.*)

i01416973



VIEW OF AREA A

GRAPHIC #1

g00774773

# HYDRAULIC SYSTEM

## 9T-0142 CYLINDER GP - RIPPER LIFT

S/N: 9EH1-99999; 9FH1-99999  
 184.15MM (7.25 IN.) BORE X 281 MM (11.1 IN.) STROKE  
 PART OF 6Y-9458, 8E-1588 RIPPER AR  
 AN ATTACHMENT  
 TYPE 1

**SMCS-5352**

**i00571693**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
	1	1	<b>2J-7686</b>	1	LOCKNUT							
	2	1	<b>1J-2674</b>	1	RING-WEAR							
	3	1	<b>5J-4993</b>	1	SEAL AS							
		1	<b>5J-4407</b>	1	RING-EXPANDER							
	4	1	<b>1U-2716</b>	1	PISTON							
	5	1	<b>6J-9121</b>	1	WASHER							
R	6	1	<b>9T-0579</b>	1	CYLINDER AS							
	7	1	<b>5P-7593</b>	1	SEAL-O-RING (170.82MM ID)							
	8	1	<b>1U-1738</b>	1	RING-BACKUP							
	9	1	<b>8C-9126</b>	1	SEAL AS							
R	10	1	<b>9T-0584</b>	1	ROD AS							
		1	<b>3G-5999</b>	1	BEARING-SLEEVE							
	11	1	<b>8C-5218</b>	1	SEAL-LIP							
	12	1	<b>1D-4608</b>	8	BOLT (3/4-10X2.75IN)							
	13	1	<b>5J-8300</b>	1	SEAL-U-CUP							
	14	1	<b>101-0051</b>	1	HEAD							
	15	1	<b>8T-1714</b>	1	RING-WEAR							
C	16	1	<b>3B-8489</b>	2	FITTING-GREASE (1/8-27 THD)							
C	17	1	<b>5S-7382</b>	8	BOLT (3/8-16X1.375IN)							
C		1	<b>8T-4896</b>	8	WASHER-HARD (2.5MM THK)							
C	18	1	<b>2H-3755</b>	4	BOLT (5/16-18X.625IN)							
C	19	1	<b>7S-6369</b>	4	WASHER (4.8MM THK)							
C	20	1	<b>8T-8381</b>	1	SEAL-HEAD (180.46MM ID)							
C	21	1	<b>1P-4577</b>	4	FLANGE-HALF							
C	22	1	<b>4J-0520</b>	2	SEAL-O-RING (32.92MM ID)							
C		1	<b>5H-4019</b>	2	COVER							

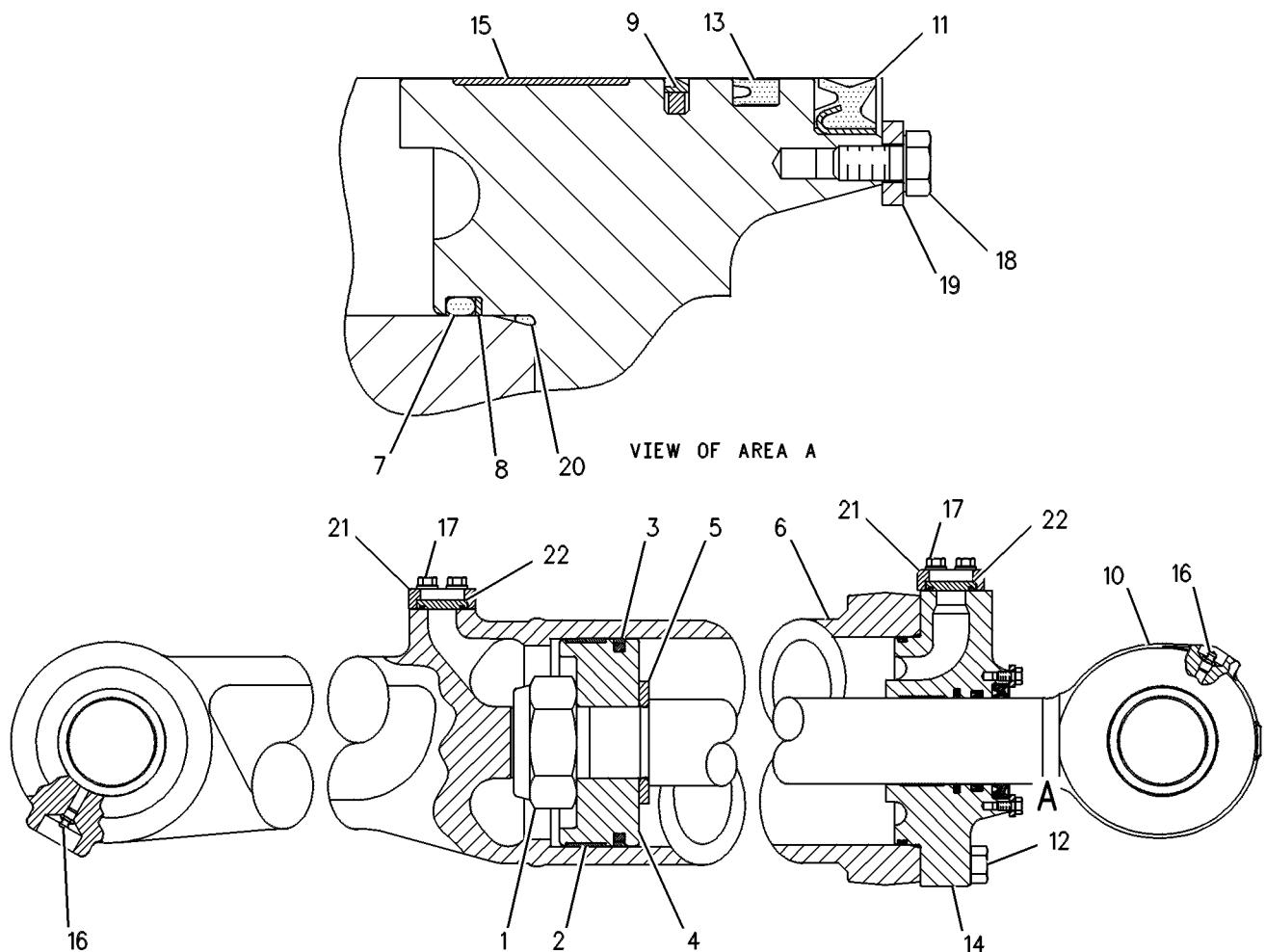
C - CHANGE FROM PREVIOUS TYPE

R - REMFG PART MAY BE AVAILABLE

# HYDRAULIC SYSTEM

9T-0142 CYLINDER GP-RIPPER LIFT (*contd.*)

i00571693



GRAPHIC #1

g00247350

# HYDRAULIC SYSTEM

## 9T-0142 CYLINDER GP - RIPPER LIFT

S/N: 9EH1-99999; 9FH1-99999

184.15MM (7.25 IN.) BORE X 281 MM (11.1 IN.) STROKE

PART OF 6Y-9458, 8E-1588 RIPPER AR

AN ATTACHMENT

TYPE 2

**SMCS-5352**

**i01453406**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		<b>2J-7686</b>	1	LOCKNUT							
2	1		<b>1J-2674</b>	1	RING-WEAR							
3	1		<b>5J-4993</b>	1	SEAL AS							
	1		<b>5J-4407</b>	1	RING-EXPANDER							
4	1		<b>1U-2716</b>	1	PISTON							
5	1		<b>6J-9121</b>	1	WASHER							
R	6	1	<b>9T-0579</b>	1	CYLINDER AS							
	1		<b>3G-5999</b>	1	BEARING-SLEEVE							
7	1		<b>5P-7593</b>	1	SEAL-O-RING							
8	1		<b>1U-1738</b>	1	RING-BACKUP							
C	9	1	<b>167-2208</b>	1	SEAL AS-BUFFER							
R	10	1	<b>9T-0584</b>	1	ROD AS							
	1		<b>3G-5999</b>	1	BEARING-SLEEVE							
C	11	1	<b>167-2469</b>	1	SEAL-WIPER							
	12	1	<b>1D-4608</b>	8	BOLT (3/4-10X2.75 IN)							
C	13	1	<b>167-2319</b>	1	SEAL-U-CUP							
14	1		<b>101-0051</b>	1	HEAD							
15	1		<b>8T-1714</b>	1	RING-WEAR							
16	1		<b>3B-8489</b>	2	FITTING-GREASE							
17	1		<b>5S-7382</b>	8	BOLT (3/8-16X1.375 IN)							
	1		<b>8T-4896</b>	8	WASHER-HARD (10.2X18.5X2.5MM THK)							
18	1		<b>1P-4577</b>	4	FLANGE-HALF							
19	1		<b>4J-0520</b>	2	SEAL-O-RING							
	1		<b>5H-4019</b>	2	COVER							
20	1		<b>8T-8381</b>	1	SEAL-HEAD (180.46MM ID)							

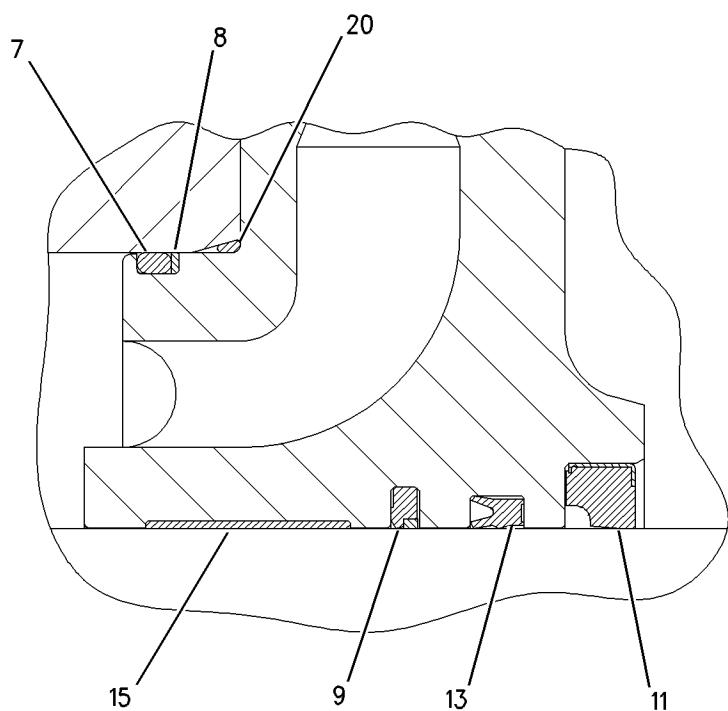
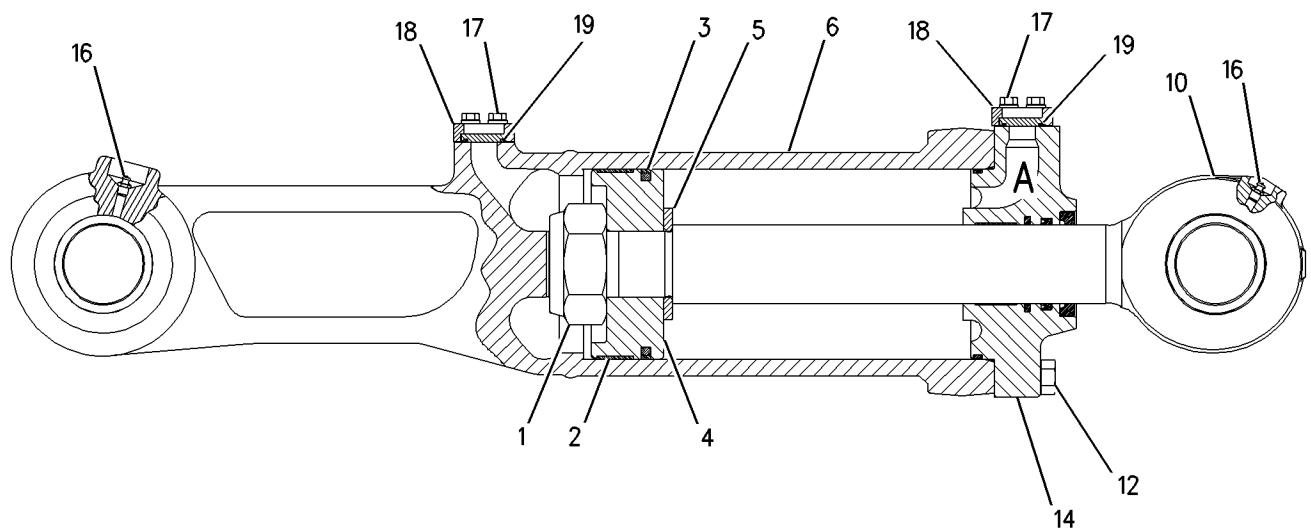
C-CHANGE FROM PREVIOUS TYPE

R-REMFG PART MAY BE AVAILABLE

# HYDRAULIC SYSTEM

9T-0142 CYLINDER GP-RIPPER LIFT (*contd.*)

i01453406



VIEW OF AREA A

GRAPHIC #1

g00761078

# HYDRAULIC SYSTEM

## 155-3653 CYLINDER GP-RIPPER LIFT

S/N: CXA1-UP; CXW1-UP

184.15 MM (7.25 IN.) BORE X 281 MM (11.06 IN.) STROKE  
PART OF 188-2699, 188-2700 RIPPER AR  
AN ATTACHMENT

**SMCS-5352**

**i01442847**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
	1	1	<b>2J-7686</b>	1	LOCKNUT							
	2	1	<b>1J-2674</b>	1	RING-WEAR							
	3	1	<b>5J-4993</b>	1	SEAL AS							
		1	<b>5J-4407</b>	1	RING-EXPANDER							
		1	<b>5J-4408</b>	1	SEAL							
	4	1	<b>1U-2716</b>	1	PISTON							
	5	1	<b>6J-9121</b>	1	WASHER							
	6	1	<b>155-3850</b>	1	CYLINDER AS							
		1	<b>3G-5999</b>	1	BEARING-SLEEVE							
	7	1	<b>5P-7593</b>	1	SEAL-O-RING (170.82MM ID)							
	8	1	<b>158-3027</b>	1	RING-BACKUP							
	9	1	<b>8T-8381</b>	1	SEAL-HEAD (180.46MM ID)							
	10	1	<b>155-3849</b>	1	HEAD							
M	11	1	<b>6V-5845</b>	8	BOLT (M20X2.5X70MM)							
	12	1	<b>3B-8489</b>	2	FITTING-GREASE							
R	13	1	<b>9T-0584</b>	1	ROD AS							
		1	<b>0R-3082</b>	1	ROD AS							
		1	<b>3G-5999</b>	1	BEARING-SLEEVE							
	14	1	<b>8T-4121</b>	8	WASHER-HARD (11X21X2.5MM THK)							
	15	1	<b>8C-3206</b>	4	FLANGE-HALF							
	16	1	<b>8T-1714</b>	1	RING-WEAR							
M	17	1	<b>8T-4196</b>	8	BOLT (M10X1.5X35MM)							
	18	1	<b>167-2469</b>	1	SEAL-WIPER							
	19	1	<b>167-2319</b>	1	SEAL-U-CUP							
	20	1	<b>167-2208</b>	1	SEAL AS-BUFFER							

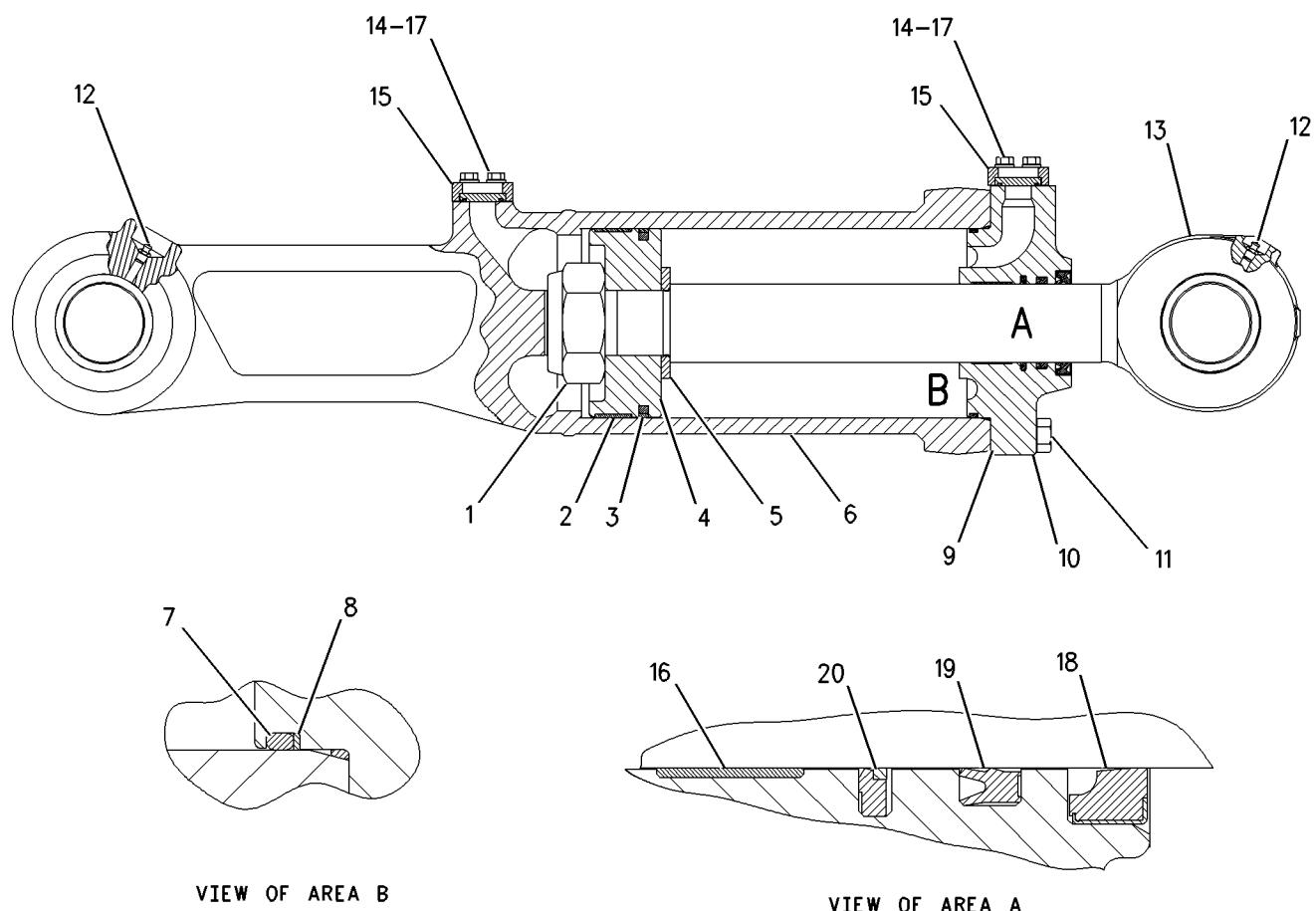
M-METRIC PART

R-REMFG PART MAY BE AVAILABLE

# HYDRAULIC SYSTEM

155-3653 CYLINDER GP-RIPPER LIFT (*contd.*)

i01442847



GRAPHIC #1

g00730044

# HYDRAULIC SYSTEM

## 6E-3113 CYLINDER GP-RIPPER PIN PULLER

S/N: 9EM1-UP

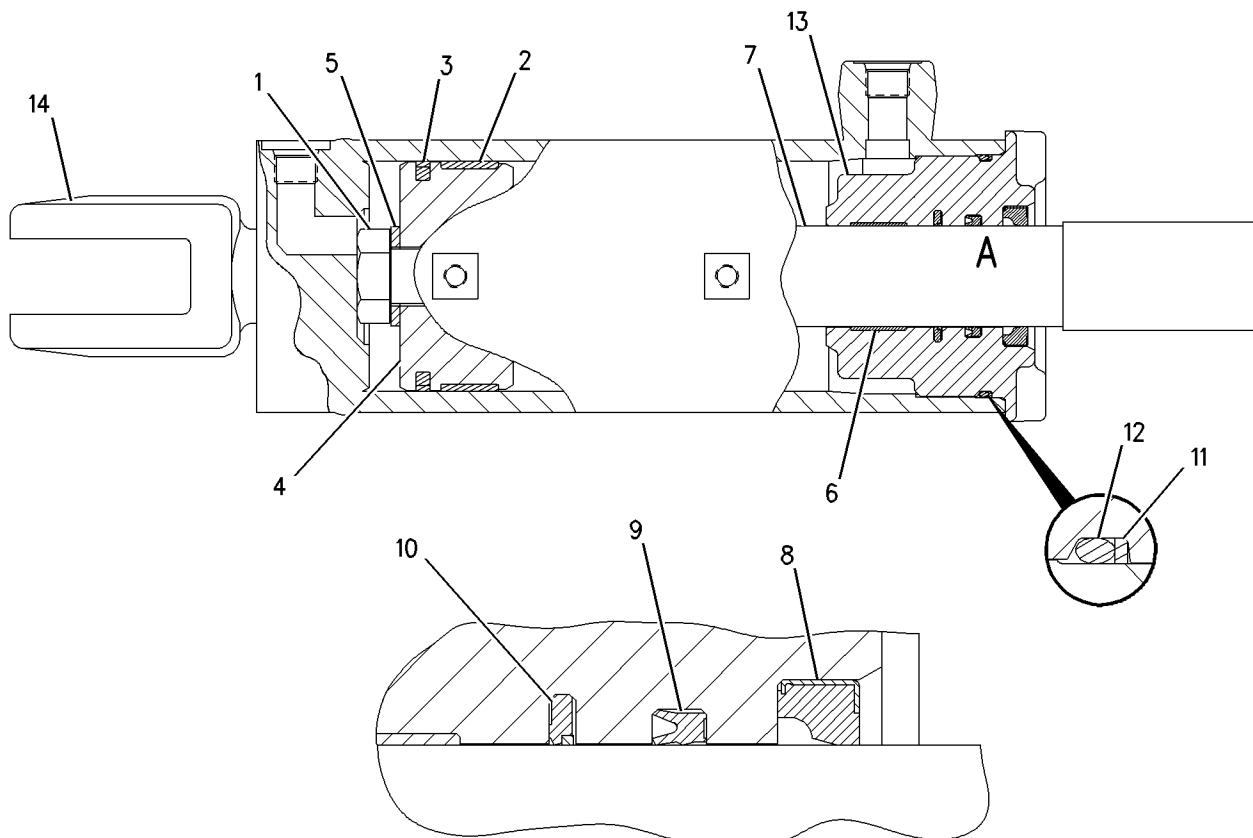
101.6MM (4 IN.) BORE X 138.5MM (5.5 IN.) STROKE  
PART OF 160-3616, 7T-4747 PULLER AR-PIN  
AN ATTACHMENT

SMCS-5354

i01464223

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	173-9779	1	BOLT -HEX HEAD (M24X3.0X80MM)						
	2	1	6J-2797	1	RING-WEAR						
	3	1	5J-5402	1	SEAL AS						
	4	1	9T-3493	1	PISTON						
	5	1	6V-8237	1	WASHER (26X44X4MM THK)						
	6	1	4T-6907	1	RING-WEAR						
	7	1	6E-3980	1	ROD AS						
	8	1	167-2452	1	SEAL-WIPER						
	9	1	167-2300	1	SEAL-U-CUP						
	10	1	167-2190	1	SEAL AS-BUFFER						
	11	1	2K-6830	1	RING-BACKUP						
	12	1	175-7900	1	SEAL-O-RING						
	13	1	6E-4976	1	HEAD						
	14	1	6E-3976	1	CYLINDER AS						

M-METRIC PART



VIEW OF AREA A

GRAPHIC #1

g00719216

# HYDRAULIC SYSTEM

## 9T-0143 CYLINDER GP - RIPPER TILT

S/N: 9EH1-99999; 9FH1-99999

165.1MM (6.50 IN.) BORE X 437 MM (17.22 IN) STROKE  
PART OF 6Y-9458, 8E-1588 RIPPER AR  
AN ATTACHMENT

**SMCS-5356**

**i01453415**

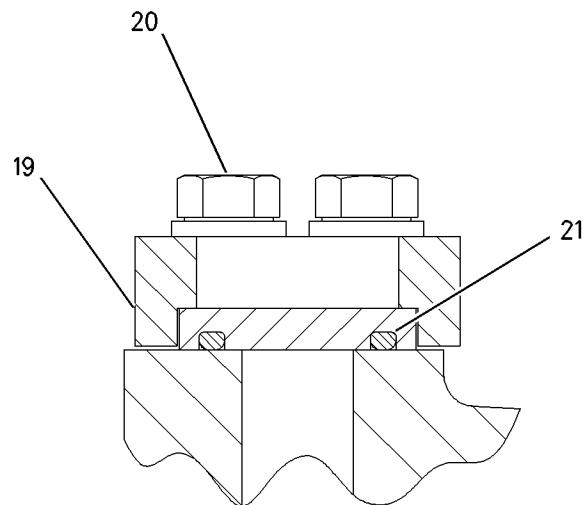
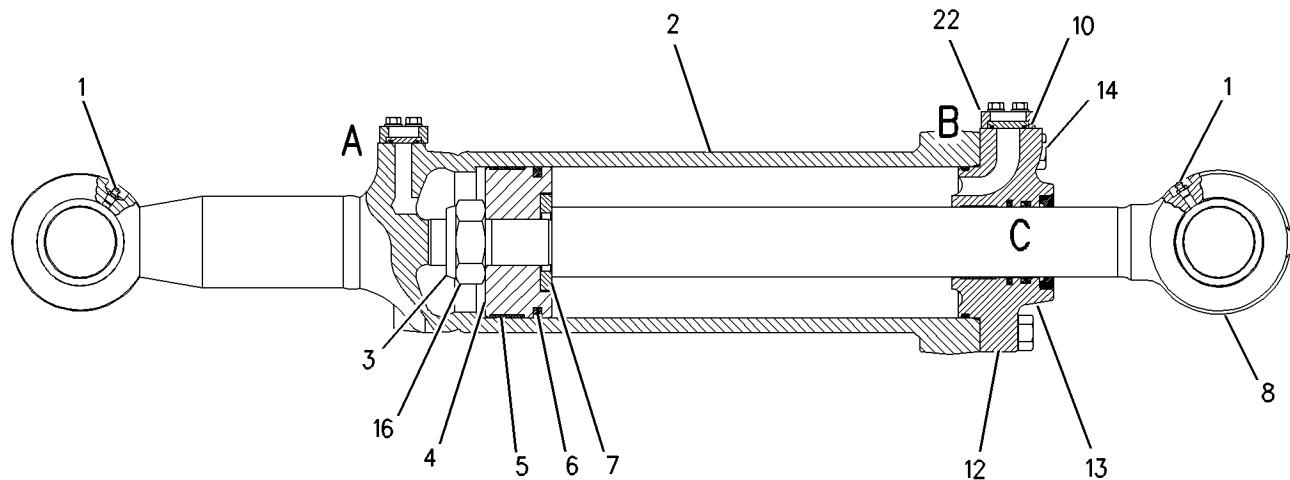
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	<b>3B-8489</b>	2	FITTING-GREASE						
R	2	1	<b>9T-0612</b>	1	CYLINDER AS						
		1	<b>3G-5999</b>	1	BEARING-SLEEVE						
	3	1	<b>2J-0564</b>	1	LOCKNUT						
	4	1	<b>6J-9748</b>	1	PISTON						
	5	1	<b>9T-0096</b>	1	RING-WEAR						
	6	1	<b>5J-4991</b>	1	SEAL AS						
	7	1	<b>6J-9747</b>	1	WASHER						
R	8	1	<b>9T-0098</b>	1	ROD AS						
		1	<b>3G-5999</b>	1	BEARING-SLEEVE						
	9	1	<b>7J-8956</b>	1	SEAL-O-RING						
		1	<b>7J-8955</b>	1	RING-BACKUP						
	10	1	<b>5H-4019</b>	1	COVER						
		1	<b>4J-0520</b>	1	SEAL-O-RING						
	11	1	<b>8T-8379</b>	1	SEAL-HEAD						
	12	1	<b>6E-6200</b>	1	HEAD						
	13	1	<b>1D-4627</b>	4	BOLT (7/8-9X3 IN)						
	14	1	<b>1D-4629</b>	2	BOLT (7/8-9X3.5IN)						
	15	1	<b>8T-1714</b>	1	RING-WEAR						
	16	1	<b>167-2208</b>	1	SEAL AS-BUFFER						
	17	1	<b>167-2319</b>	1	SEAL-U-CUP						
	18	1	<b>167-2469</b>	1	SEAL-WIPER						
	19	1	<b>1P-4576</b>	2	FLANGE						
	20	1	<b>5S-7382</b>	8	BOLT (3/8-16X1.375 IN)						
		1	<b>8T-4896</b>	8	WASHER-HARD (10.2X18.5X2.5MM THK)						
	21	1	<b>5H-4018</b>	1	COVER						
		1	<b>4J-5267</b>	1	SEAL-O-RING						
	22	1	<b>1P-4577</b>	2	FLANGE-HALF						

R-REMFG PART MAY BE AVAILABLE

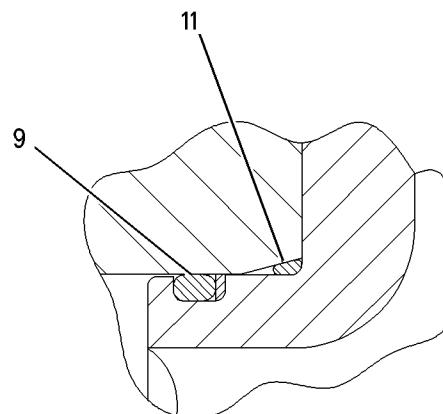
# HYDRAULIC SYSTEM

9T-0143 CYLINDER GP-RIPPER TILT (contd.)

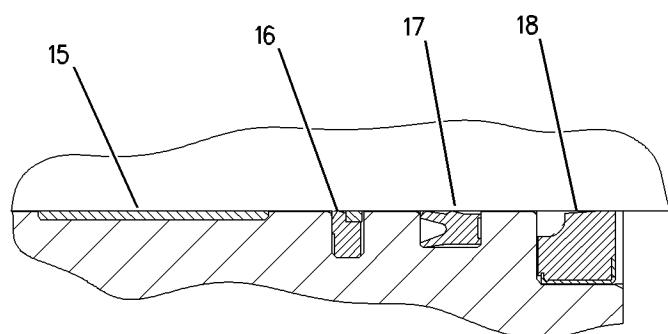
i01453415



VIEW OF AREA A



VIEW OF AREA B



VIEW OF AREA C

GRAPHIC #1

g00731331

# HYDRAULIC SYSTEM

## 155-3652 CYLINDER GP-RIPPER TILT-LH

S/N: CXA1-UP; CXW1-UP  
 165.1 MM (6.5 IN.) BORE X 437 MM (17.2 IN.) STROKE  
 PART OF 188-2699, 188-2700 RIPPER AR  
 AN ATTACHMENT

**SMCS-5356**
**i01582689**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	<b>3B-8489</b>	2	FITTING-GREASE (1/8-27 THD)	
	2	1	<b>155-3857</b>	1	CYLINDER AS	
		1	<b>3G-5999</b>	1	BEARING-SLEEVE	
		1	<b>155-3860</b>	1	CAP	
	3	1	<b>1P-4576</b>	2	FLANGE	
	4	1	<b>8T-4121</b>	8	WASHER-HARD (11X21X2.5MM THK)	
M	5	1	<b>8T-4196</b>	8	BOLT (M10X1.5X35MM)	
	6	1	<b>167-2319</b>	1	SEAL-U-CUP	
	7	1	<b>167-2469</b>	1	SEAL-WIPER	
	8	1	<b>1P-4577</b>	2	FLANGE-HALF	
M	9	1	<b>8T-0666</b>	2	BOLT (M24X3.0X90MM)	
M	10	1	<b>6V-8133</b>	4	BOLT (M24X3.0X80MM)	
	11	1	<b>155-3856</b>	1	HEAD	
	12	1	<b>8T-8379</b>	1	SEAL-HEAD	
	13	1	<b>158-3026</b>	1	RING-BACKUP	
	14	1	<b>7J-8956</b>	1	SEAL-O-RING	
R	15	1	<b>9T-0098</b>	1	ROD AS	
		1	<b>3G-5999</b>	1	BEARING-SLEEVE	
	16	1	<b>6J-9747</b>	1	WASHER	
	17	1	<b>5J-4991</b>	1	SEAL AS	
	18	1	<b>9T-0096</b>	1	RING-WEAR	
	19	1	<b>6J-9748</b>	1	PISTON	
	20	1	<b>2J-0564</b>	1	LOCKNUT (2-12 THD)	
	21	1	<b>8T-1714</b>	1	RING-WEAR	
	22	1	<b>167-2208</b>	1	SEAL AS-BUFFER	

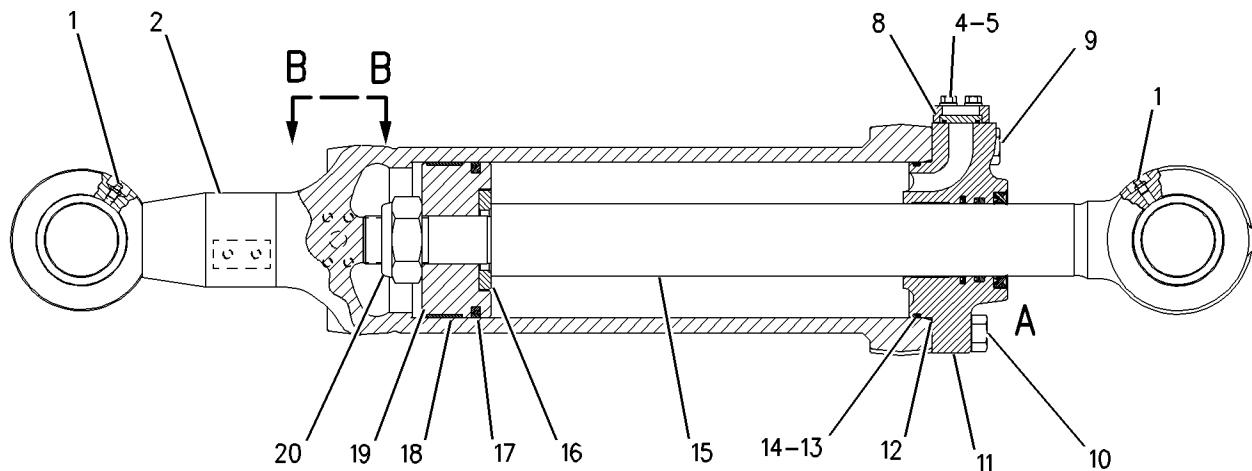
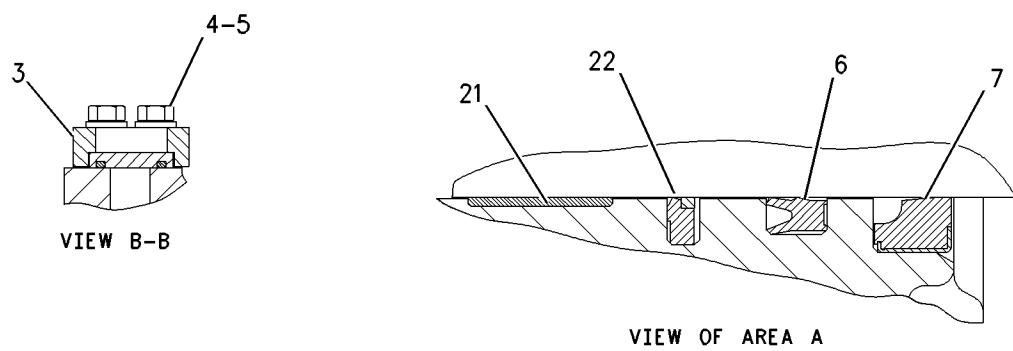
M-METRIC PART

R-REMFG PART MAY BE AVAILABLE

# HYDRAULIC SYSTEM

155-3652 CYLINDER GP-RIPPER TILT (*contd.*)

i01582689



GRAPHIC #1

g00839548

# HYDRAULIC SYSTEM

## 165-0102 CYLINDER GP-RIPPER TILT-RH

S/N: CXA1-UP; CXW1-UP  
 165.1 MM (6.5 IN.) BORE X 437 MM (17.2 IN.) STROKE  
 PART OF 188-2699, 188-2700 RIPPER AR  
 AN ATTACHMENT

**SMCS-5356**
**i01442934**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	<b>3B-8489</b>	2	FITTING-GREASE	
		1	<b>4J-0520</b>	2	SEAL-O-RING (32.92MM ID)	
2	1		<b>165-0101</b>	1	CYLINDER AS	
		1	<b>3G-5999</b>	1	BEARING-SLEEVE	
3	1		<b>1P-4576</b>	2	FLANGE	
4	1		<b>8T-4121</b>	8	WASHER-HARD (11X21X2.5MM THK)	
M	5	1	<b>8T-4196</b>	8	BOLT (M10X1.5X35MM)	
	6	1	<b>4J-5267</b>	1	SEAL-O-RING (24.99MM ID)	
	7	1	<b>5H-4018</b>	1	COVER	
	8	1	<b>1P-4577</b>	2	FLANGE-HALF	
M	9	1	<b>8T-0666</b>	2	BOLT (M24X3.0X90MM)	
M	10	1	<b>6V-8133</b>	4	BOLT (M24X3.0X80MM)	
	11	1	<b>155-3856</b>	1	HEAD	
	12	1	<b>8T-8379</b>	1	SEAL-HEAD	
	13	1	<b>158-3026</b>	1	RING-BACKUP	
	14	1	<b>7J-8956</b>	1	SEAL-O-RING (151.77MM ID)	
R	15	1	<b>9T-0098</b>	1	ROD AS	
		1	<b>3G-5999</b>	1	BEARING-SLEEVE	
	16	1	<b>6J-9747</b>	1	WASHER	
	17	1	<b>5J-4991</b>	1	SEAL AS	
	18	1	<b>9T-0096</b>	1	RING-WEAR	
	19	1	<b>6J-9748</b>	1	PISTON	
	20	1	<b>2J-0564</b>	1	LOCKNUT	
	21	1	<b>8T-1714</b>	1	RING-WEAR	
	22	1	<b>167-2208</b>	1	SEAL AS-BUFFER	
	23	1	<b>167-2319</b>	1	SEAL-U-CUP	
	24	1	<b>167-2469</b>	1	SEAL-WIPER	

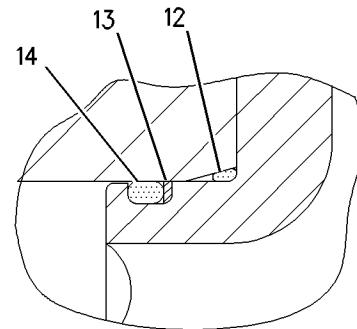
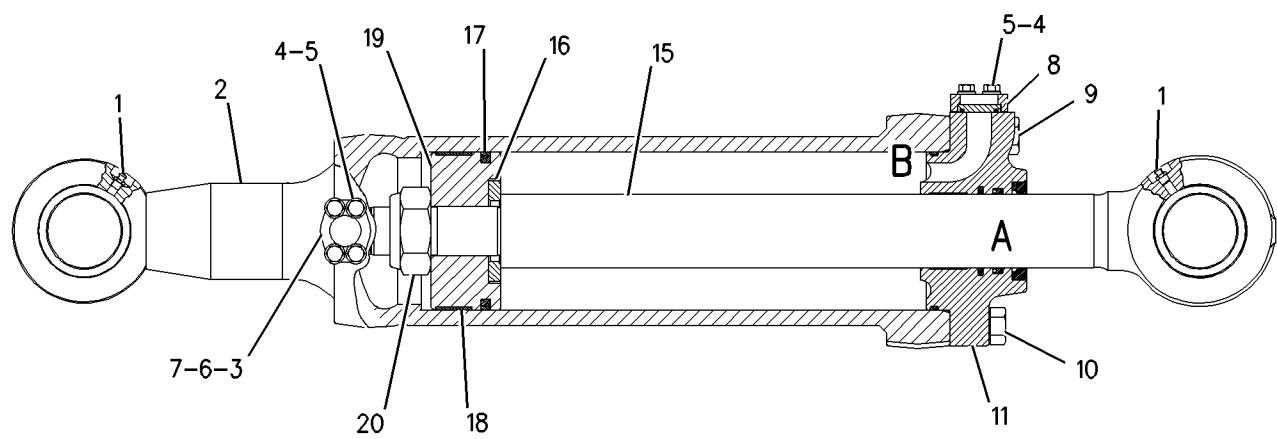
M-METRIC PART

R-REMFG PART MAY BE AVAILABLE

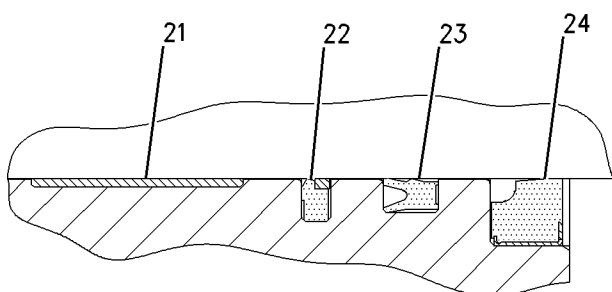
# HYDRAULIC SYSTEM

165-0102 CYLINDER GP-RIPPER TILT (contd.)

i01442934



VIEW OF AREA B



VIEW OF AREA A

GRAPHIC #1

g00751763

# HYDRAULIC SYSTEM

## 6E-0397 CYLINDER GP-TILT

S/N: 9EM1-UP

PART OF 8E-3039 CYLINDER AR-TILT  
AN ATTACHMENT

**SMCS-5104**

**i01488347**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
R	1	1	<b>6E-0398</b>	1	CYLINDER AS	
	2	1	<b>1U-2182</b>	2	BEARING-SLEEVE	
	3	1	<b>9T-5900</b>	1	WASHER	
	4	1	<b>132-5180</b>	1	PISTON AS	
J	5	1	<b>5J-4993</b>	1	SEAL AS	
	6	1	<b>8H-3532</b>	1	SPRING-VALVE	
	7	1	<b>9T-4977</b>	1	PLUNGER	
	8	1	<b>132-5183</b>	1	PLUNGER	
	9	1	<b>132-5182</b>	1	INSERT	
R	10	1	<b>106-3881</b>	1	ROD AS	
M	11	1	<b>8T-0672</b>	4	BOLT (M24X3.0X160MM)	
	12	1	<b>160-6309</b>	1	CAP-BEARING	
B	13	1	<b>8J-9180</b>	28	SHIM (.51MM THK)	
M	14	1	<b>7X-0851</b>	4	NUT (M24X3.00 THD)	
J	15	1	<b>1J-2674</b>	1	RING-WEAR	
J	16	1	<b>167-2469</b>	1	SEAL-WIPER	
J	17	1	<b>167-2319</b>	1	SEAL-U-CUP	
J	18	1	<b>167-2208</b>	1	SEAL AS-BUFFER	
J	19	1	<b>9T-0094</b>	1	RING-WEAR	
	20	1	<b>2J-0564</b>	1	LOCKNUT	
J	21	1	<b>2K-2939</b>	1	SEAL-O-RING	
J	22	1	<b>2K-2940</b>	1	RING-BACKUP	
	23	1	<b>6E-0402</b>	1	HEAD	
M	24	1	<b>8C-3222</b>	4	BOLT (M30X3.5X80MM)	
	25	1	<b>3S-7023</b>	4	WASHER (34X57X6MM THK)	
AVAILABLE REPAIR KIT(S) :						
J		<b>132-6127</b>	1	KIT-HYDRAULIC CYLINDER SEAL		

B-USE AS REQUIRED

J-KIT MARKED J INCLUDES PARTS MARKED J

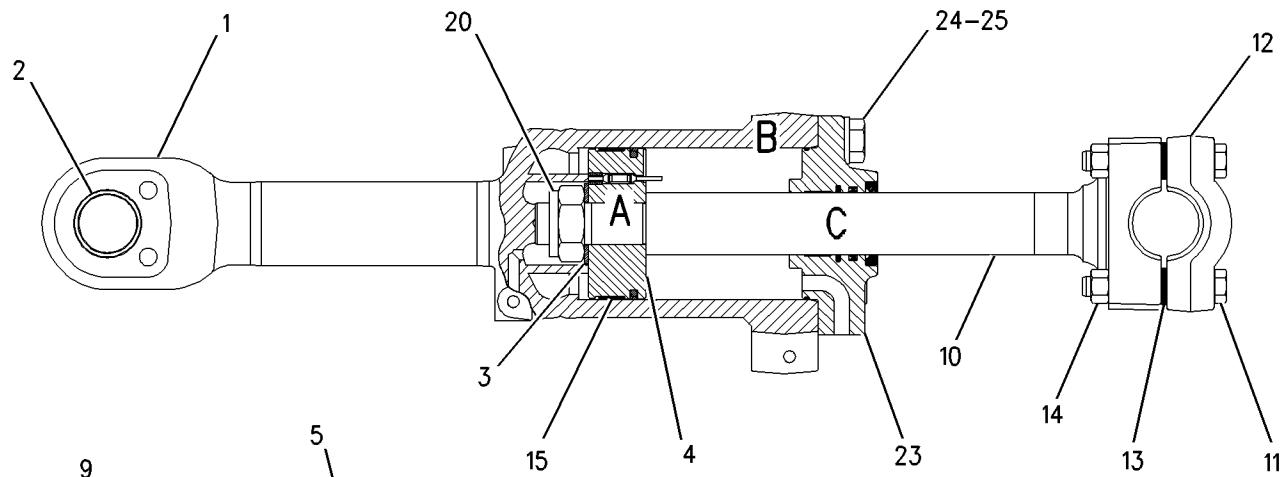
M-METRIC PART

R-REMFG PART MAY BE AVAILABLE

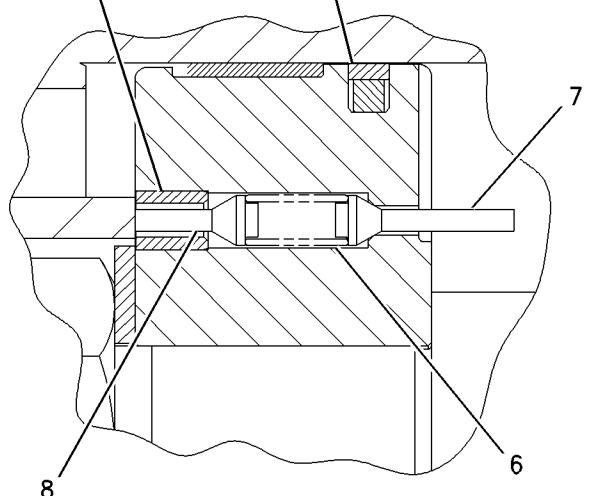
## **HYDRAULIC SYSTEM**

**6E-0397 CYLINDER GP - TILT (contd.)**

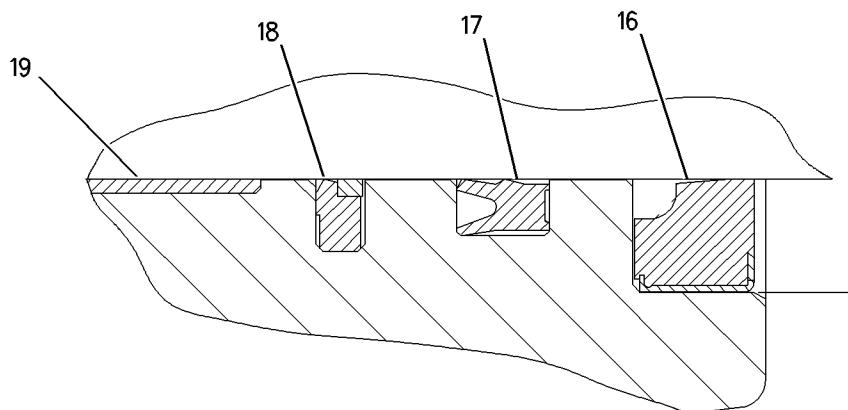
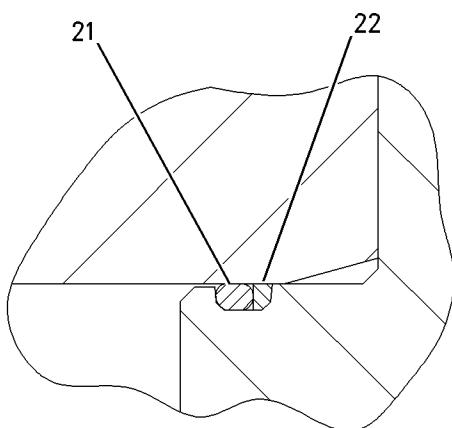
i01488347



**VIEW OF AREA A**



### VIEW OF AREA B



VIEW OF AREA C

## GRAPHIC #1

g00731214

# HYDRAULIC SYSTEM

## 6E-1175 CYLINDER GP-TILT

S/N: BHE1-UP; 3MP1-UP; 9TP1-UP  
 184.15 MM (7.25 IN) BORE X 195 MM (7.7 IN) STROKE  
 PART OF 118-3173 PUSH ARM GP-STABILIZER  
 AN ATTACHMENT

**SMCS-5104**

**i01441632**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
R	1	1	<b>6E-1176</b>	1	CYLINDER AS	
	2	1	<b>1U-2182</b>	2	BEARING-SLEEVE	
	3	1	<b>6E-1183</b>	1	PISTON	
C	4	1	<b>5P-7593</b>	1	SEAL-O-RING (170.82MM ID)	
C	5	1	<b>158-3027</b>	1	RING-BACKUP	
C	6	1	<b>191-3583</b>	1	HEAD	
R	7	1	<b>6E-1901</b>	1	ROD AS	
		1	<b>5J-9454</b>	1	RING-RETAINING	
	8	1	<b>6V-3340</b>	1	BEARING-SPHERICAL	
M	9	1	<b>6V-3669</b>	8	BOLT (M20X2.5X80MM)	
		1	<b>8T-3282</b>	8	WASHER-HARD (22X35X3.5MM THK)	
	10	1	<b>8T-1790</b>	1	SEAL AS	
	11	1	<b>1J-2674</b>	1	RING-WEAR	
C	12	1	<b>167-2474</b>	1	SEAL-WIPER	
C	13	1	<b>167-2324</b>	1	SEAL-U-CUP	
C	14	1	<b>167-2211</b>	1	SEAL AS-BUFFER	
	15	1	<b>8C-5245</b>	1	RING-WEAR	
	16	1	<b>4J-6888</b>	1	LOCKNUT	
	17	1	<b>8T-8381</b>	1	SEAL-HEAD (180.46MM ID)	
C	18	1	<b>3B-8489</b>	1	FITTING-GREASE	

C-CHANGE FROM PREVIOUS TYPE

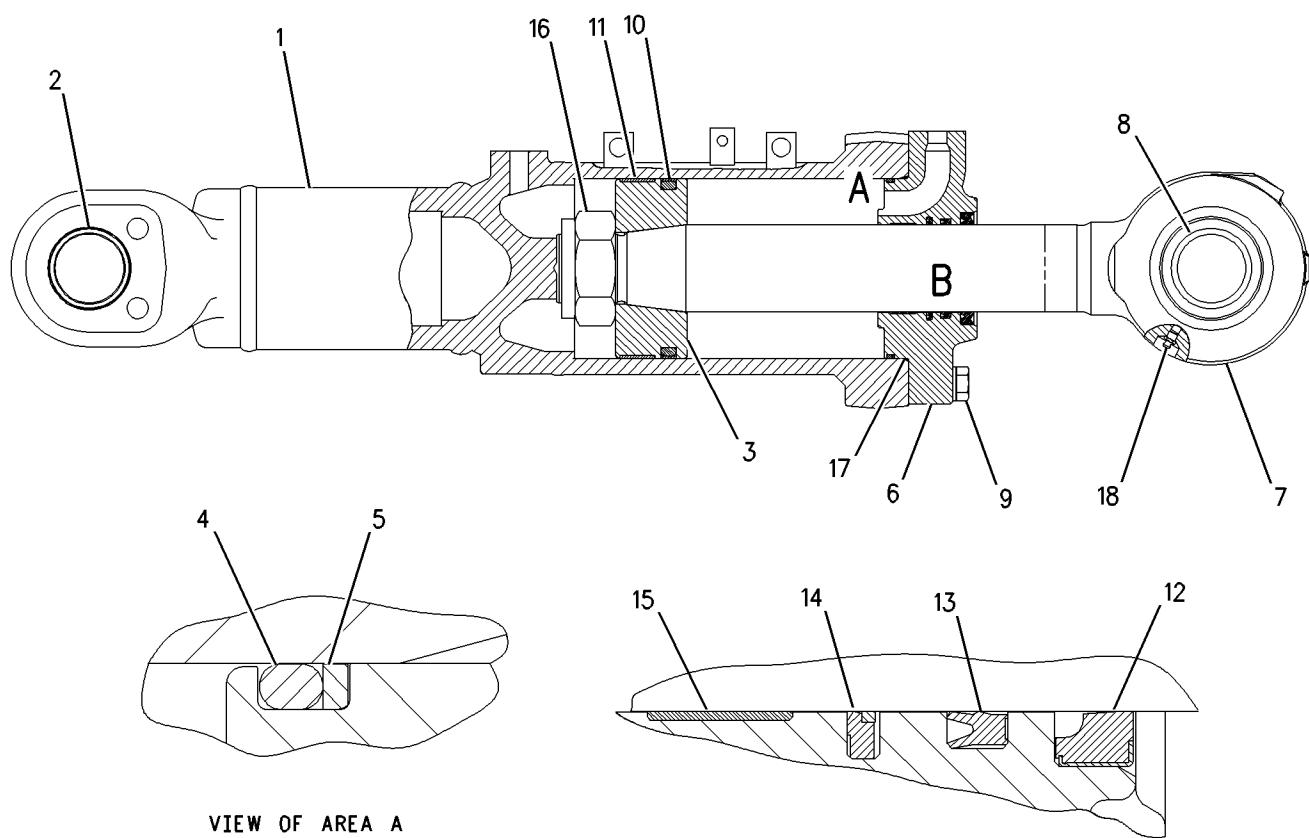
M-METRIC PART

R-REMFG PART MAY BE AVAILABLE

# HYDRAULIC SYSTEM

6E-1175 CYLINDER GP-TILT (*contd.*)

i01441632



VIEW OF AREA A

VIEW OF AREA B

GRAPHIC #1

g00728717

# HYDRAULIC SYSTEM

## 9T-8340 FILTER GP-OIL

S/N: 9EM1-897

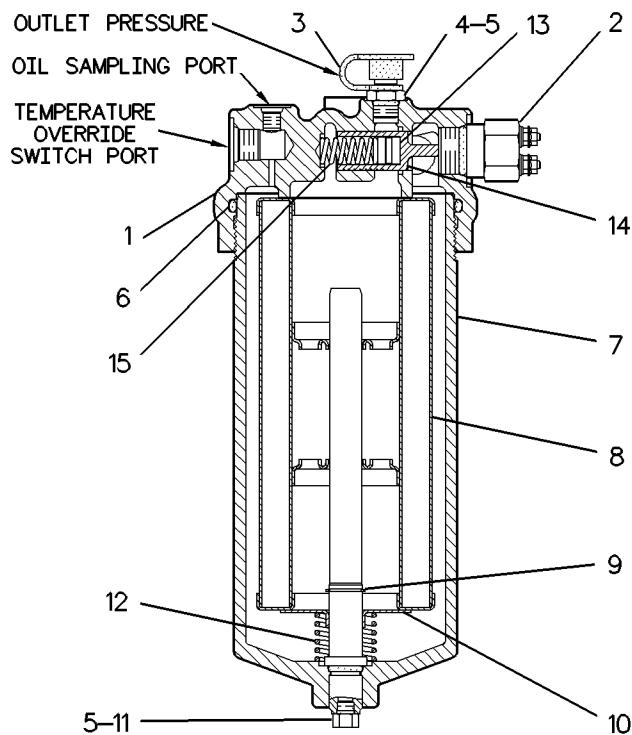
PART OF 6Y-3517 LINES GP-POWER TRAIN OIL, 6Y-3591 LINES GP-PUMP

SMCS-5068

i01040135

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		9T-8326	1	BASE						
Y	2	1	9X-7781	1	SWITCH GP-BYPASS						416
3	1		6V-0852	1	CAP-DUST						
4	1		6V-3965	1	NIPPLE AS						
5	1		3J-1907	2	SEAL-O-RING (11.89MM ID)						
6	1		2S-8439	1	SEAL-O-RING (123.19MM ID)						
7	1		3P-0887	1	HOUSING AS						
8	1		4T-3131	1	ELEMENT-FILTER (HYDRAULIC OIL)						
9	1		2J-6356	1	RING-RETAINING						
10	1		7S-6745	1	RETAINER						
11	1		9S-4191	1	PLUG-O-RING (9/16-18 THD)						
12	1		3S-8652	1	SPRING						
13	1		9L-8388	1	SPACER-CLAMP						
14	1		6T-9222	1	SPOOL						
15	1		9T-8700	1	SPRING						

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00216296

# HYDRAULIC SYSTEM

## 183-8610 FILTER GP-OIL

S/N: 9EM898-UP

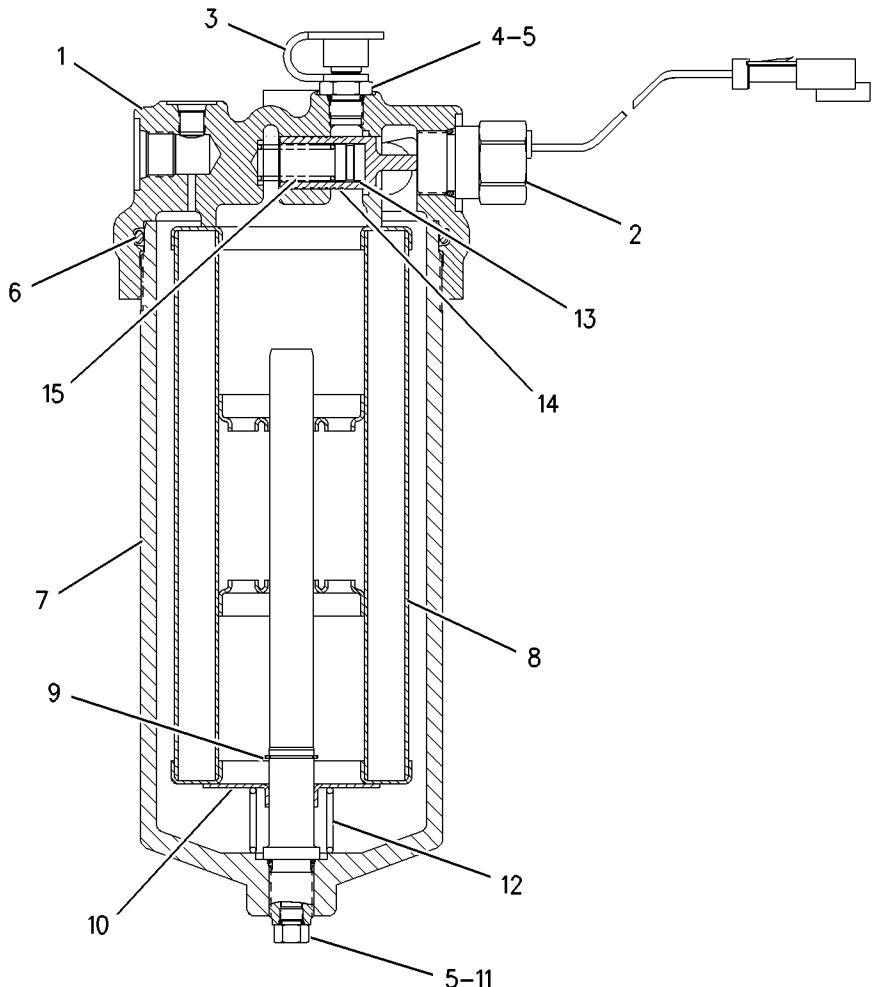
PART OF 6Y-3591 LINES GP-PUMP

SMCS-5068

i01620773

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		9T-8326	1	BASE						
Y	2	1	164-7577	1	SWITCH GP-BYPASS (STEERING FILTER)						417
3	1		6V-0852	1	CAP-DUST						
4	1		6V-3965	1	FITTING AS (OUTLET PRESSURE)						
5	1		3J-1907	2	SEAL-O-RING						
6	1		2S-8439	1	SEAL-O-RING						
7	1		3P-0887	1	HOUSING AS						
8	1		132-8875	1	FILTER ELEMENT AS-OIL (HYDRAULIC)						
9	1		2J-6356	1	RING-RETAINING						
10	1		7S-6745	1	RETAINER						
11	1		9S-4191	1	PLUG-STRAIGHT THREAD						
12	1		3S-8652	1	SPRING						
13	1		9L-8388	1	SPACER-CLAMP						
14	1		6T-9222	1	SPOOL						
15	1		9T-8700	1	SPRING						

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00687821

# HYDRAULIC SYSTEM

## 6E-4379 HEAD GP - PUMP

S/N: 9EM1-UP

PART OF 6E-1661 PUMP GP-PISTON  
TYPE 1

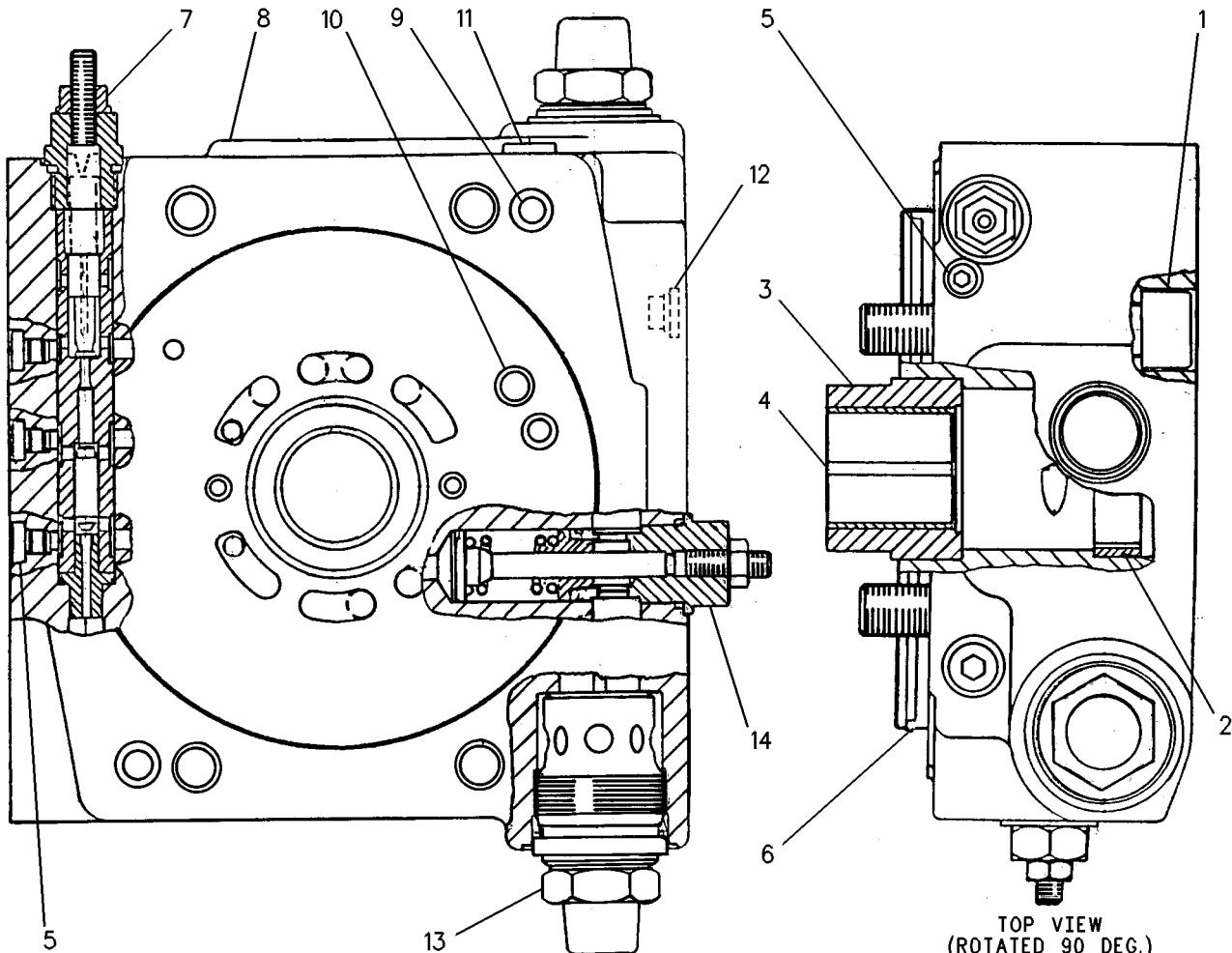
SMCS-5070

i00930760

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
M	1	1	3E-8008	4	BOLT-SOCKET HEAD (M16X2X90MM)	
	2	1	6E-4381	1	BUSHING	
	3	1	6E-4382	1	BUSHING	
	4	1	6E-4383	1	BUSHING	
	5	1	087-4772	5	PLUG-HEX	
	6	1	8T-6404	1	SEAL-O-RING	
Y	7	1	6E-4392	1	VALVE GP-PRESSURE COMPENSATOR	877
	8	1	6E-4380	1	HEAD	
	9	1	6V-5758	2	SEAL-O-RING (12.42MM ID)	
	10	1	6E-4384	1	PLUG-BREAK OFF	
	11	1	9T-3929	1	PLUG AS	
	12	1	9S-8002	2	PLUG-O-RING (7/16-20 THD)	
		1	3J-7354	2	SEAL-O-RING (8.92MM ID)	
	13	1	6E-4346	2	VALVE GP-REPLENISHING	
Y	14	1	6E-4402	1	VALVE GP-RELIEF	882

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00228707

# HYDRAULIC SYSTEM

## 6E-4379 HEAD GP - PUMP

S/N: 9EM1-UP

PART OF 6E-1661 PUMP GP-PISTON  
TYPE 2

SMCS-5070

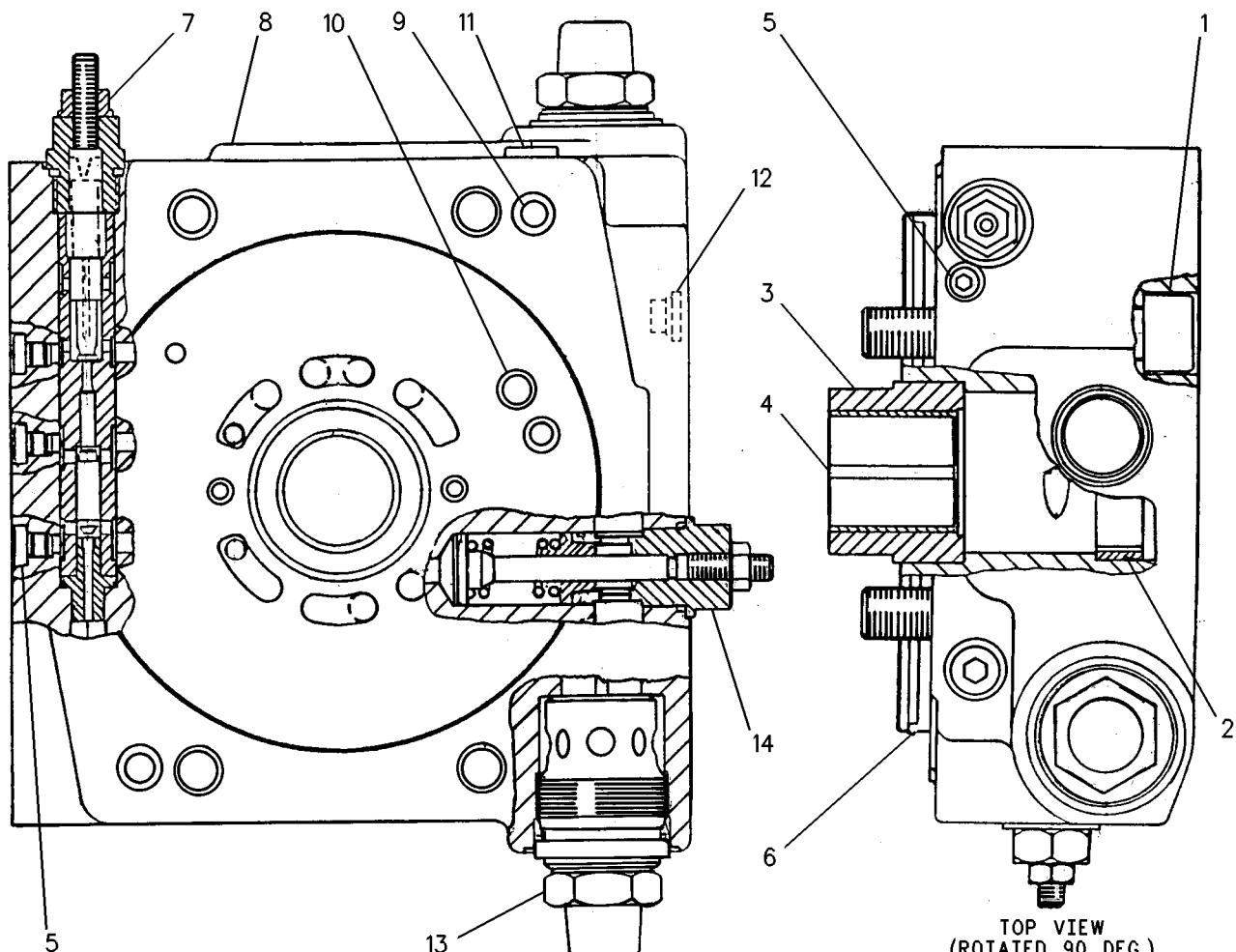
i00930699

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
M	1	1	3E-8008	4	BOLT-SOCKET HEAD (M16X2X90MM)							
	2	1	6E-4381	1	BUSHING							
	3	1	6E-4382	1	BUSHING							
	4	1	6E-4383	1	BUSHING							
	5	1	087-4772	5	PLUG-HEX							
	6	1	8T-6404	1	SEAL-O-RING							
Y	7	1	6E-4392	1	VALVE GP-PRESSURE COMPENSATOR							877
	8	1	6E-4380	1	HEAD							
	9	1	6V-5758	2	SEAL-O-RING (12.42MM ID)							
	10	1	6E-4384	1	PLUG-BREAK OFF							
	11	1	9T-3929	1	PLUG AS							
	12	1	9S-8002	2	PLUG-O-RING (7/16-20 THD)							
		1	3J-7354	2	SEAL-O-RING (8.92MM ID)							
C	13	1	144-9099	2	VALVE GP-PRESS							
Y	14	1	6E-4402	1	VALVE GP-RELIEF							882

C-CHANGE FROM PREVIOUS TYPE

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00228707

# HYDRAULIC SYSTEM

## 183-8414 HEAD GP-PUMP

S/N: 9EM1-UP

PART OF 139-4151 PUMP GP-PISTON

SMCS-5070

i01502170

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
	1	1	<b>9S-8002</b>	2	PLUG-O-RING							
Y	2	1	<b>183-8409</b>	1	VALVE GP-RELIEF							885
	3	1	<b>183-8415</b>	1	HEAD							
	4	1	<b>183-8416</b>	1	BUSHING							
	5	1	<b>119-7845</b>	1	SEAL-O-RING							
	6	1	<b>123-2017</b>	1	PLUG (M8)							
	7	1	<b>134-7489</b>	4	PLUG							
M	8	1	<b>135-8854</b>	1	PLUG GP							
	9	1	<b>144-9101</b>	1	PLUG-BREAK OFF							
	10	1	<b>161-6149</b>	2	SEAL-O-RING							
M	11	1	<b>3E-8008</b>	4	BOLT-SOCKET HEAD (M16X2X90MM)							
	12	1	<b>3J-7354</b>	2	SEAL-O-RING							
	13	1	<b>6E-4382</b>	1	BUSHING							
	14	1	<b>6E-4383</b>	1	BUSHING							
Y	15	1	<b>6E-4392</b>	1	VALVE GP-PRESSURE COMPENSATOR							877
	16	1	<b>6V-5586</b>	4	SEAL-O-RING							
	17	1	<b>6V-9028</b>	1	SEAL-O-RING							
	18	1	<b>178-4164</b>	2	VALVE GP-RELIEF							
	19	1	<b>178-4171</b>	1	KIT-SEAL							
	20	1	<b>123-7556</b>	1	CAP							

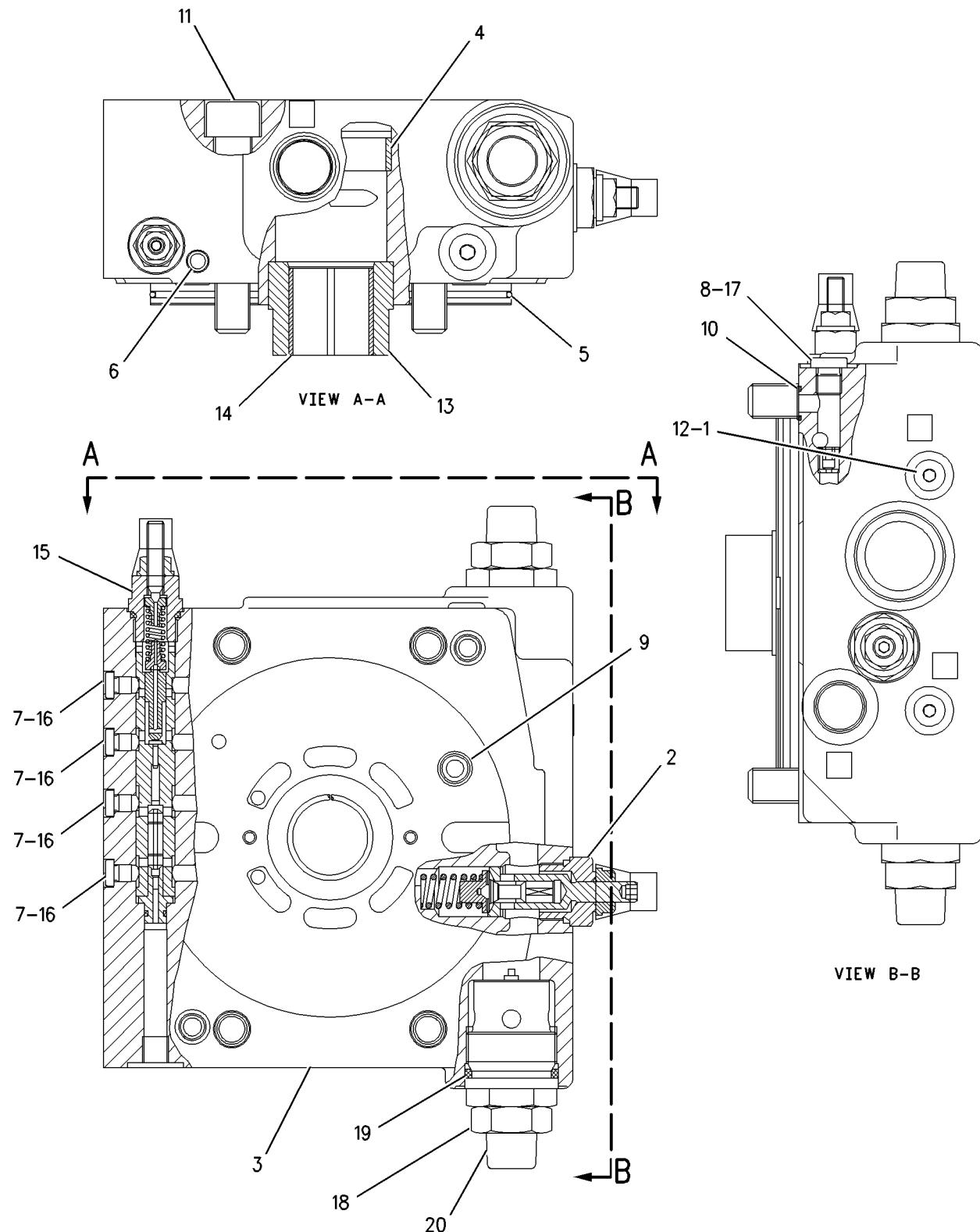
M-METRIC PART

Y-SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

183-8414 HEAD GP-PUMP (contd.)

i01502170



GRAPHIC #1

g00712710

# HYDRAULIC SYSTEM

## 4T-0999 LEVER GP-CONTROL VALVE

S/N: 9EM1-UP

HYDRAULIC

PART OF 6E-1359, 9T-8989 VALVE GP-CONTROL

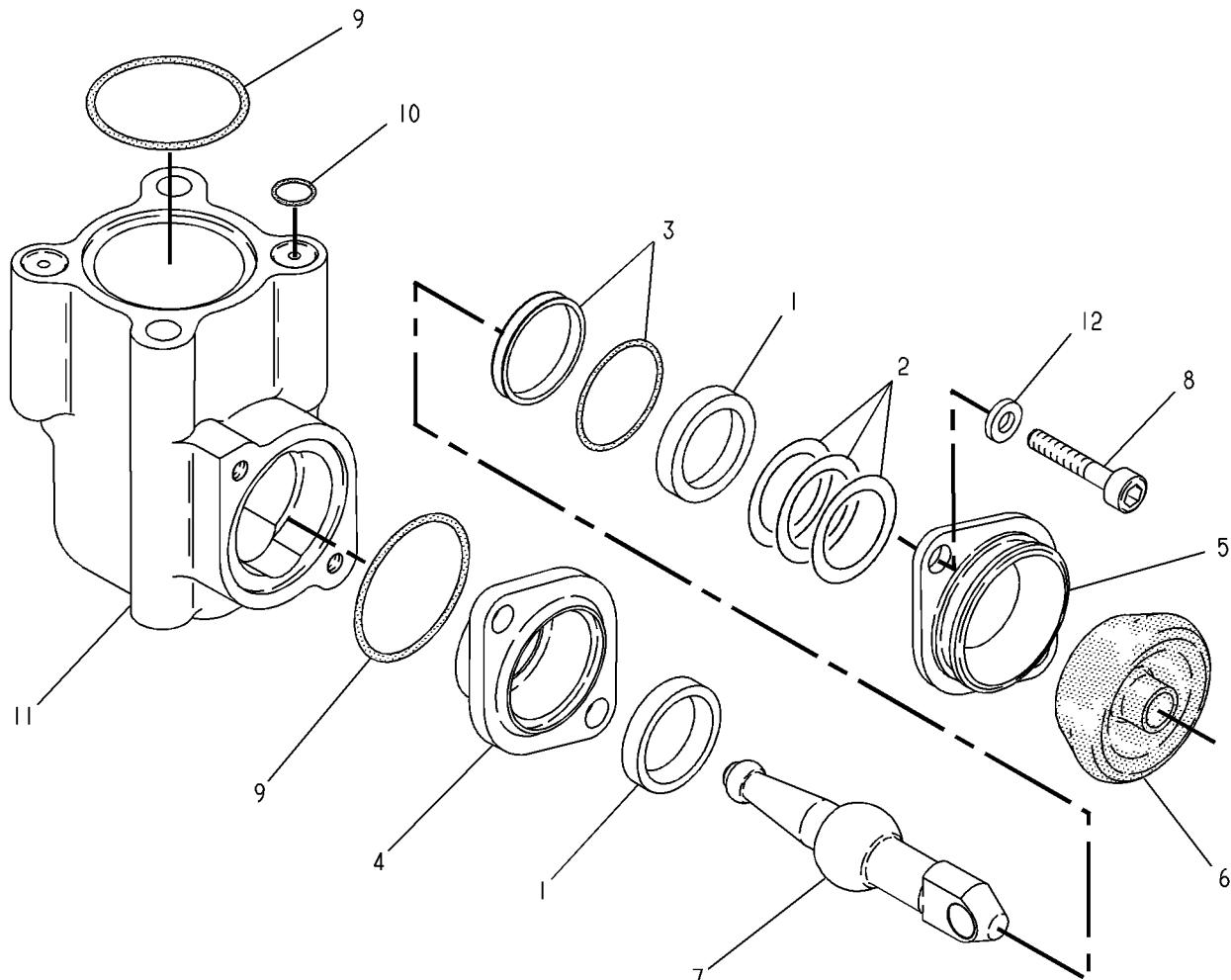
SMCS-5063

i00570522

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
	1	1	4T-5795	2	BEARING							
CB	2	1	9T-4685	3	SHIM (.12MM THK)							
	3	1	4T-5945	1	RING							
		1	9H-6761	1	SEAL (21.89MM ID)							
C	4	1	9T-4684	1	HOUSING							
C	5	1	9T-4683	1	COVER							
C	6	1	9T-4697	1	BOOT							
	7	1	4T-0998	1	LEVER							
	8	1	6L-5897	2	BOLT (1/4-20X7/8IN)							
	9	1	6V-5391	2	SEAL-O-RING (37.77MM ID)							
	10	1	5P-5874	1	SEAL-O-RING (6.02MM ID)							
	11	1	4T-2692	1	HOUSING							
	12	1	8T-0334	2	WASHER-HARD							

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

g00188030

# HYDRAULIC SYSTEM

## 9T-8992 LEVER GP-CONTROL VALVE

S/N: 9EM1-UP

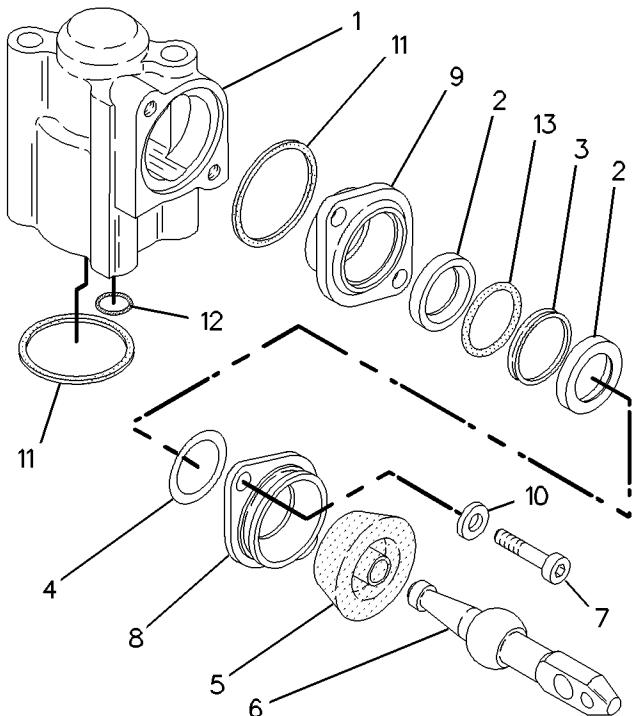
PART OF 9T-8991 VALVE GP-CONTROL

SMCS-5063

i01138698

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
1	1		4T-2692	1	HOUSING							
2	1		4T-5795	2	BEARING							
3	1		4T-5945	1	RING							
B	4	1	9T-4685	3	SHIM (.12MM THK)							
5	1		9T-4697	1	BOOT							
6	1		6E-2007	1	LEVER							
7	1		6L-5897	2	BOLT (1/4-20X7/8 IN)							
8	1		9T-4683	1	COVER							
9	1		9T-4684	1	HOUSING							
10	1		8T-0334	2	WASHER-HARD							
11	1		6V-5391	2	SEAL-O-RING (37.77MM ID)							
12	1		5P-5874	1	SEAL-O-RING (6.02MM ID)							
13	1		9H-6761	1	SEAL (21.89MM ID)							

B-USE AS REQUIRED



GRAPHIC #1

g00216334

## **HYDRAULIC SYSTEM**

## **108 - 1009 LINES GP-BULLDOZER MANIFOLD**

S/N: 9EM1-UP

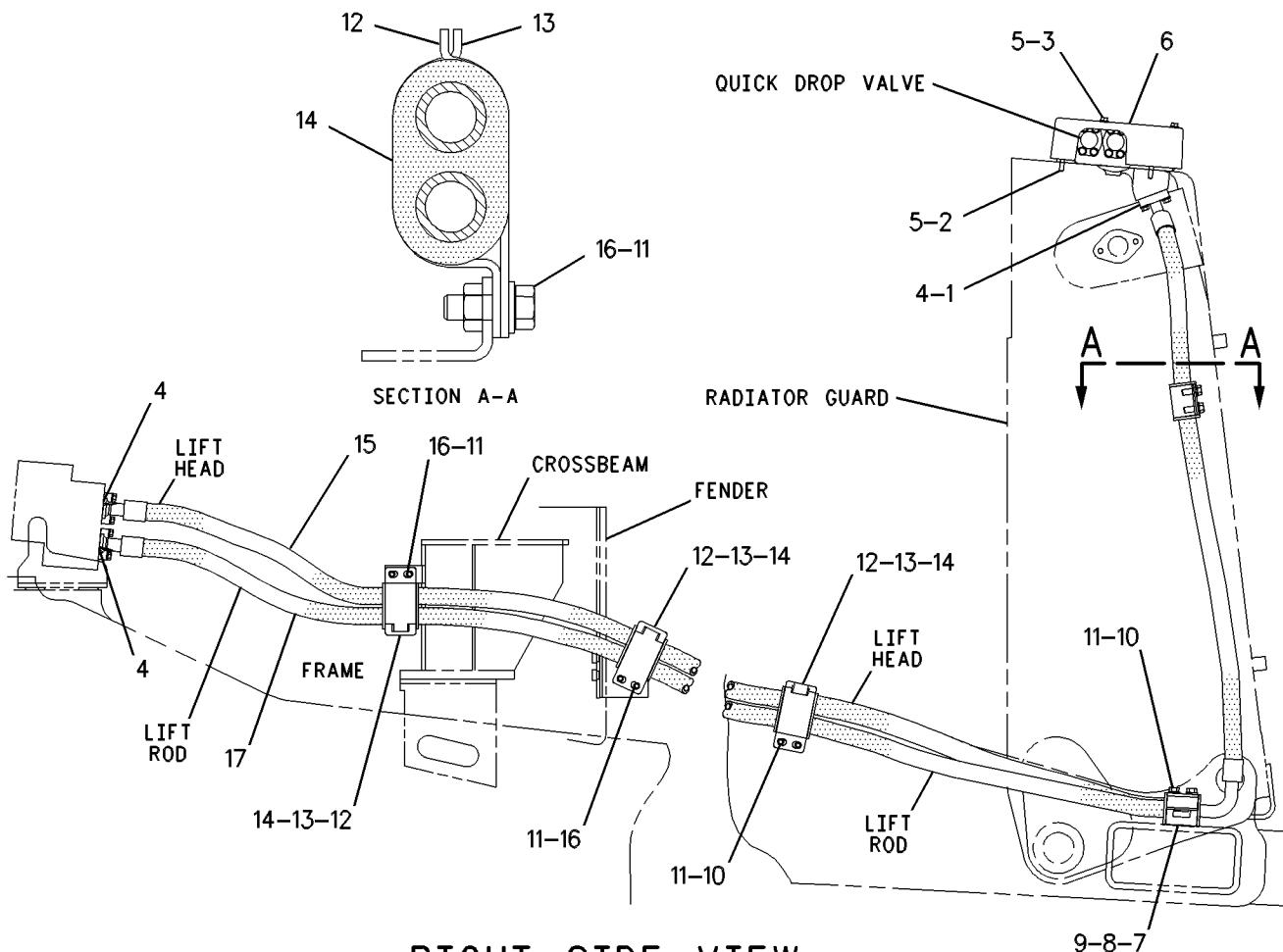
**SMCS - 5057**

i01027550

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
Y	1	1	109-6942	1	VALVE GP -QUICK-DROP							880
	2	1	4L-9337	3	BOLT (3/8-16X1.5IN)							
	3	1	5P-8167	3	BOLT (3/8-16X.625IN)							
	4	1	4J-0520	4	SEAL-O-RING (32.92MM ID)							
	5	1	8T-4896	6	WASHER-HARD (2.5MM THK)							
	6	1	8E-8434	1	GUARD							
	7	1	7G-3414	1	CLIP (TAB)							
	8	1	7G-3413	1	CLIP (SLOT)							
	9	1	6V-1324	1	GROMMET							
	10	1	8T-8917	4	BOLT (1/2-13X1.25IN)							
	11	1	8T-4223	10	WASHER-HARD (3MM THK)							
	12	1	7G-5984	4	CLIP (TAB)							
	13	1	7G-5985	4	CLIP (SLOT)							
	14	1	7G-5986	4	GROMMET							
I	15	1	108-1010	1	HOSE AS							
	16	1	8C-4436	6	BOLT (1/2-13X1.375IN)							
I	17	1	141-4313	1	HOSE AS							

I - SEE HOSE FABRICATION GUIDE

I SEE THESE FABRICATIONS  
Y-SEPARATE ILLUSTRATION



**RIGHT SIDE VIEW**

## GRAPHIC #1

g00534640

# HYDRAULIC SYSTEM

## 160-3619 LINES GP-PIN PULLER

S/N: 9EM1-UP

PART OF 160-3616 PULLER AR-PIN  
AN ATTACHMENT

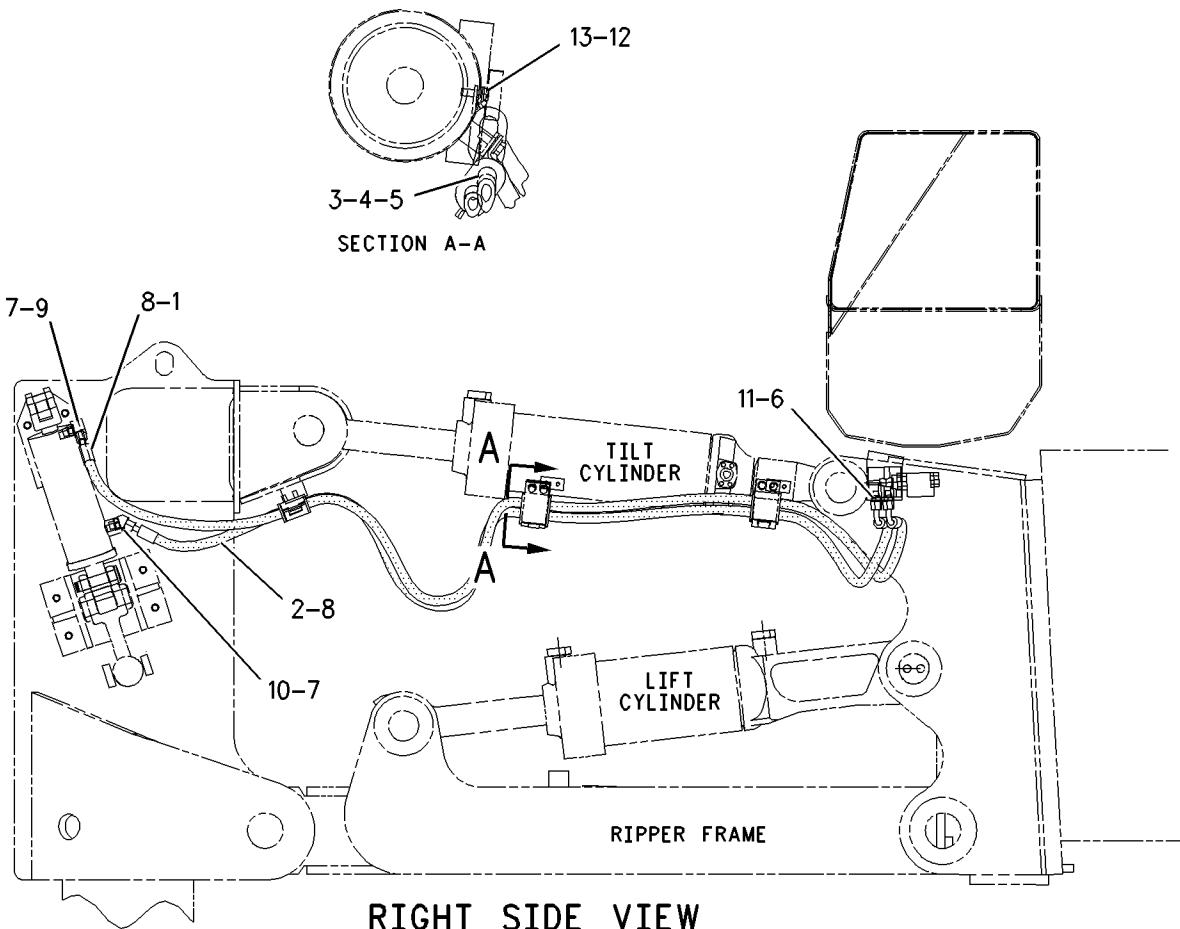
SMCS-5354

i01622356

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
I	1	1	180-0929	1	HOSE AS						
I	2	1	209-3299	1	HOSE AS						
3	1	3G-8054	3	CLIP (TAB)							
4	1	3G-8057	3	CLIP (SLOT)							
5	1	3J-1907	2	SEAL-O-RING							
6	1	3K-0360	2	SEAL-O-RING							
7	1	3G-8047	3	GROMMET							
8	1	6V-8398	4	SEAL-O-RING							
9	1	6V-8625	1	ELBOW							
10	1	6V-9002	1	ELBOW							
11	1	6V-9873	2	CONNECTOR-SEAL							
12	1	8T-4121	6	WASHER-HARD (11X21X2.5MM THK)							
M	13	1	8T-4195	6	BOLT (M10X1.5X30MM)						

I-SEE HOSE FABRICATION GUIDE

M-METRIC PART



GRAPHIC #1

g00849456

# HYDRAULIC SYSTEM

## 7T-4748 LINES GP-PIN PULLER CYLINDER

S/N: 9EM1-UP

PART OF 7T-4747 PULLER AR-PIN  
AN ATTACHMENT

**SMCS-5057, 5354**

**i01066081**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	<b>6V-8723</b>	2	ELBOW-90 DEGREE (3/4-16 THD)	
		1	<b>3K-0360</b>	2	SEAL-O-RING (16.36MM ID)	
	2	1	<b>8T-2502</b>	1	BOLT (3/8-16X1.125IN)	
C	3	1	<b>114-9415</b>	1	BRACKET AS	
		1	<b>9F-2978</b>	2	NUT-WELD (3/8-16 THD)	
	4	1	<b>4L-6454</b>	6	BOLT (3/8-16X1.0IN)	
		1	<b>8T-4896</b>	6	WASHER-HARD (2.5MM THK)	
C	5	1	<b>7X-0772</b>	2	WASHER-HARD (2.5MM THK)	
	6	1	<b>6V-0683</b>	2	GROMMET	
		1	<b>5P-7462</b>	2	CLIP (SLOT)	
		1	<b>5P-7463</b>	2	CLIP (TAB)	
C	7	1	<b>8T-4121</b>	2	WASHER (2.5MM THK)	
	8	1	<b>4L-6459</b>	1	BOLT (3/8-16X2.5IN)	
	9	1	<b>6V-0974</b>	3	GROMMET	
		1	<b>3G-8054</b>	3	CLIP (TAB)	
		1	<b>3G-8057</b>	3	CLIP (SLOT)	
	10	1	<b>112-8007</b>	1	SPACER (36 MM LONG)	
B	11	1	<b>7K-1181</b>	3	STRAP-CABLE (4.00IN DIA)	
I	12	1	<b>9W-3726</b>	2	HOSE AS	
	13	1	<b>6V-8636</b>	2	CONNECTOR	
		1	<b>3J-1907</b>	2	SEAL-O-RING (11.89MM ID)	
CM	14	1	<b>8T-4137</b>	2	BOLT (M10X1.50X20MM)	
	15	1	<b>6V-8397</b>	4	SEAL-O-RING (9.27MM ID)	

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

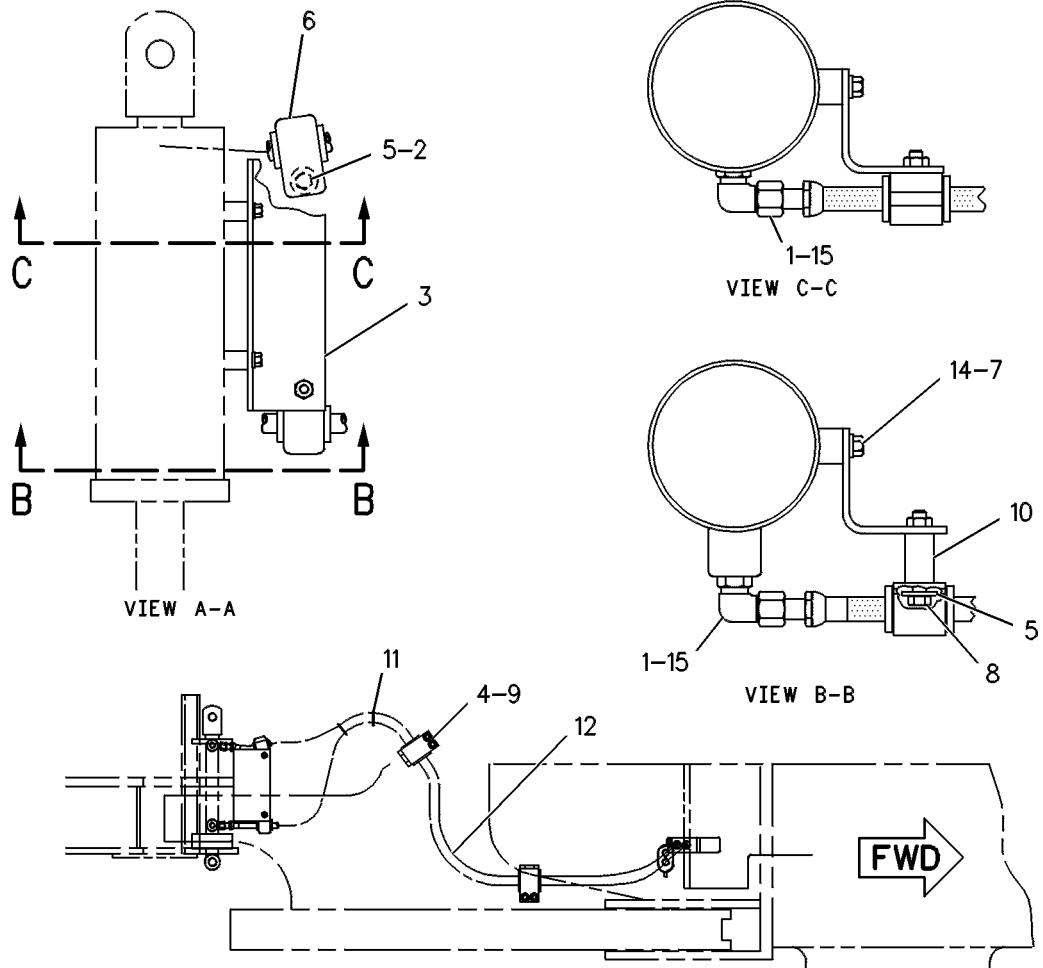
I-SEE HOSE FABRICATION GUIDE

M-METRIC PART

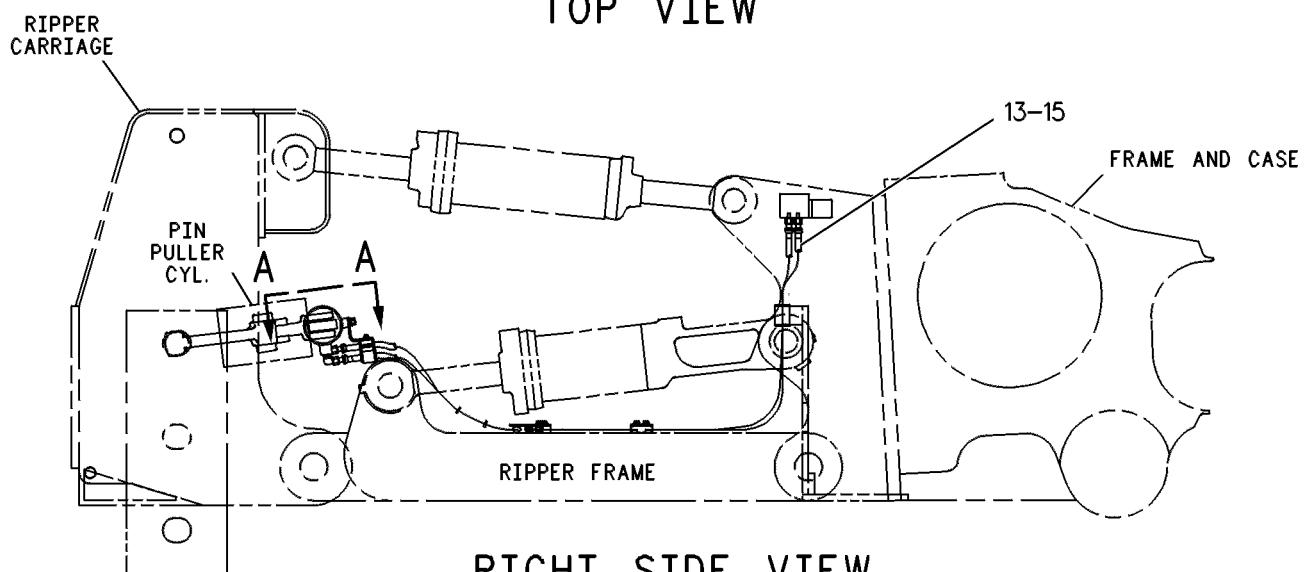
# HYDRAULIC SYSTEM

77-4748 LINES GP-PIN PULLER CYLINDER (contd.)

i01066081



TOP VIEW



RIGHT SIDE VIEW

GRAPHIC #1

g00247406

# HYDRAULIC SYSTEM

## 6Y-3591 LINES GP - PUMP

S/N: 9EM1-782

**SMCS-5057**

**i00815388**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	<b>9T-8340</b>	1	FILTER GP-OIL	782
	2	1	<b>6Y-4023</b>	1	PLATE	
	3	1	<b>5S-7379</b>	3	BOLT (3/8-16X.875IN)	
	4	1	<b>8T-4896</b>	3	WASHER-HARD (2.5MM THK)	
	5	1	<b>6V-8724</b>	2	ELBOW (9/16-18 THD)	
	6	1	<b>8T-8919</b>	1	BOLT (1/2-13X1.75IN)	
	7	1	<b>8T-4223</b>	7	WASHER-HARD (3MM THK)	
	8	1	<b>6E-4796</b>	1	BRACKET	
	9	1	<b>6V-0484</b>	1	ADAPTER-O-RING	
	10	1	<b>5P-2566</b>	2	BOLT (1/2-13X1.50IN)	
I	11	1	<b>8W-4197</b>	1	HOSE AS	782
	12	1	<b>8T-8916</b>	4	BOLT (7/16-14X1.50IN)	
	13	1	<b>6Y-4060</b>	1	HOSE AS	
	14	1	<b>4J-0520</b>	1	SEAL-O-RING (32.92MM ID)	
	15	1	<b>4J-0522</b>	3	SEAL-O-RING (37.69MM ID)	
	16	1	<b>5P-7468</b>	1	CLIP (SLOT)	
	1	1	<b>5P-7469</b>	1	CLIP (TAB)	
	1	1	<b>5P-8444</b>	1	GROMMET	
	17	1	<b>9T-4543</b>	1	VALVE GP-CHECK	
	18	1	<b>3K-0360</b>	2	SEAL-O-RING (16.36MM ID)	
I	19	1	<b>5C-6565</b>	1	BOLT (1/2-13X1.25IN)	782
	20	1	<b>8J-9990</b>	1	PLUG-ORIFICE	
	21	1	<b>3J-1907</b>	6	SEAL-O-RING (11.89MM ID)	
	22	1	<b>1P-4578</b>	2	FLANGE	
	23	1	<b>6Y-4078</b>	1	HOSE AS	
	24	1	<b>5P-6944</b>	1	ADAPTER-STRAIGHT THREAD	
	25	1	<b>7X-3391</b>	2	WASHER-HARD	
	26	1	<b>6V-8397</b>	3	SEAL-O-RING (9.27MM ID)	
	27	1	<b>8T-5360</b>	4	WASHER (2.5MM THK)	
	28	1	<b>9X-2091</b>	1	ELBOW-SWIVEL	
I	29	1	<b>6V-9850</b>	1	ELBOW-SWIVEL (11/16-16 THD)	782
	30	1	<b>6V-3965</b>	1	NIPPLE AS	
	1	1	<b>6V-0852</b>	1	CAP-DUST	
	31	1	<b>8T-4835</b>	3	BOLT (1/2-13X2IN)	
	1	1	<b>5P-1076</b>	6	WASHER-HARD (4MM THK)	
	32	1	<b>6V-8188</b>	4	NUT (1/2-13 THD)	
	33	1	<b>8T-0075</b>	1	CONNECTOR	
	34	1	<b>5P-7458</b>	1	CLIP (SLOT) (52.0 MM LG)	
	1	1	<b>5P-7459</b>	1	CLIP (TAB) (52.0 MM LG)	
	1	1	<b>3P-0574</b>	1	CLIP (SLOT) (73.0 MM LG)	
I	1	1	<b>3P-0572</b>	1	CLIP (TAB) (73.0 MM LG)	782
	35	2	<b>6V-3965</b>	1	NIPPLE AS	
	2	2	<b>6V-0852</b>	1	CAP-DUST	
	36	2	<b>8T-8919</b>	4	BOLT (1/2-13X1.75IN)	
	2	2	<b>8T-4223</b>	4	WASHER-HARD (3MM THK)	
	I	37	<b>6Y-4049</b>	1	HOSE AS	
	2	2	<b>4J-0520</b>	1	SEAL-O-RING (32.92MM ID)	
	2	2	<b>5K-9090</b>	1	SEAL-O-RING (23.52MM ID)	
	38	2	<b>5T-4624</b>	3	MOUNTING	
	39	2	<b>8T-4895</b>	3	WASHER	
I	2	2	<b>7X-0310</b>	3	BOLT (7/16-14X2IN)	782
	40	2	<b>8C-3446</b>	1	VALVE-FLUID SAMPLING	
	2	2	<b>3J-7354</b>	1	SEAL-O-RING (8.92MM ID)	
	2	2	<b>8C-3451</b>	1	CAP-DUST	
	41	2	<b>6Y-4076</b>	1	HOSE AS	
	2	2	<b>6J-2680</b>	2	SEAL-O-RING (69.44MM ID)	
	42	2	<b>1P-4584</b>	2	FLANGE-HALF	

# HYDRAULIC SYSTEM

**6Y-3591 LINES GP - PUMP (contd.)**

**i00815388**

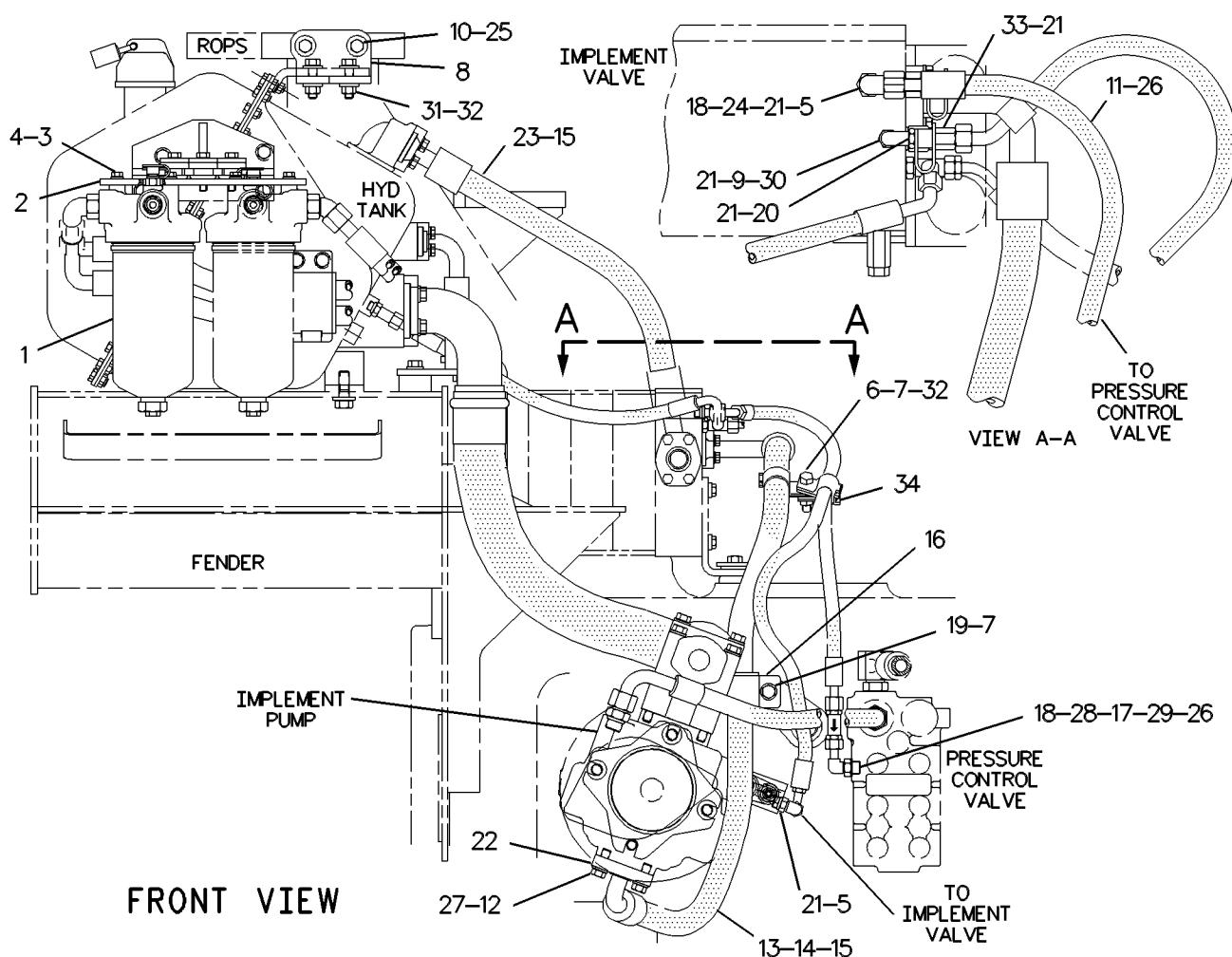
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
I	43	2	<b>6Y-4056</b>	1	HOSE AS							
		2	<b>6V-9746</b>	2	SEAL-O-RING (18.94MM ID)							
44	2		<b>6V-8640</b>	1	CONNECTOR-SEAL							
		2	<b>2M-9780</b>	1	SEAL-O-RING (19.18MM ID)							
I	45	2	<b>8E-9318</b>	1	HOSE AS							
		2	<b>6V-8397</b>	2	SEAL-O-RING (9.27MM ID)							
46	2		<b>3J-1907</b>	2	SEAL-O-RING (11.89MM ID)							
47	2		<b>7X-0345</b>	2	BOLT (5/8-11X1.75IN)							
		2	<b>7X-0515</b>	2	WASHER (5MM THK)							
48	3		<b>8T-8917</b>	1	BOLT (1/2-13X1.25IN)							
49	3		<b>8T-4223</b>	5	WASHER-HARD (3MM THK)							
50	3		<b>8T-0197</b>	1	CONNECTOR-SEAL							
		3	<b>7M-8485</b>	1	SEAL-O-RING (29.74MM ID)							
51	3		<b>5P-7468</b>	2	CLIP (SLOT)							
		3	<b>5P-7469</b>	2	CLIP (TAB)							
		3	<b>5P-8444</b>	2	GROMMET							
52	3		<b>6V-9876</b>	1	ELBOW-ORFS (3/4-16 THD)							
		3	<b>3K-0360</b>	1	SEAL-O-RING (16.36MM ID)							
53	3		<b>7X-0340</b>	2	BOLT (1/2-13X6.5IN)							
54	3		<b>7X-0337</b>	2	BOLT (1/2-13X5.75IN)							
I	55	3	<b>8E-9319</b>	1	HOSE AS							
		3	<b>6V-8397</b>	2	SEAL-O-RING (9.27MM ID)							
56	3		<b>6Y-8140</b>	1	MANIFOLD							
		3	<b>6J-2680</b>	1	SEAL-O-RING (69.44MM ID)							
57	3		<b>5F-3106</b>	1	SEAL-O-RING (126.59MM ID)							
58	3		<b>8T-9393</b>	3	BOLT (5/8-11X1.50IN)							
		3	<b>7X-0513</b>	3	WASHER-HARD (5.0MM THK)							
59	3		<b>4L-6454</b>	1	BOLT (3/8-16X1.0IN)							
		3	<b>7X-0772</b>	1	WASHER-HARD (2.5MM THK)							
60	3		<b>1S-0944</b>	1	CLIP							

I - SEE HOSE FABRICATION GUIDE  
Y - SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

6Y-3591 LINES GP - PUMP (contd.)

i00815388



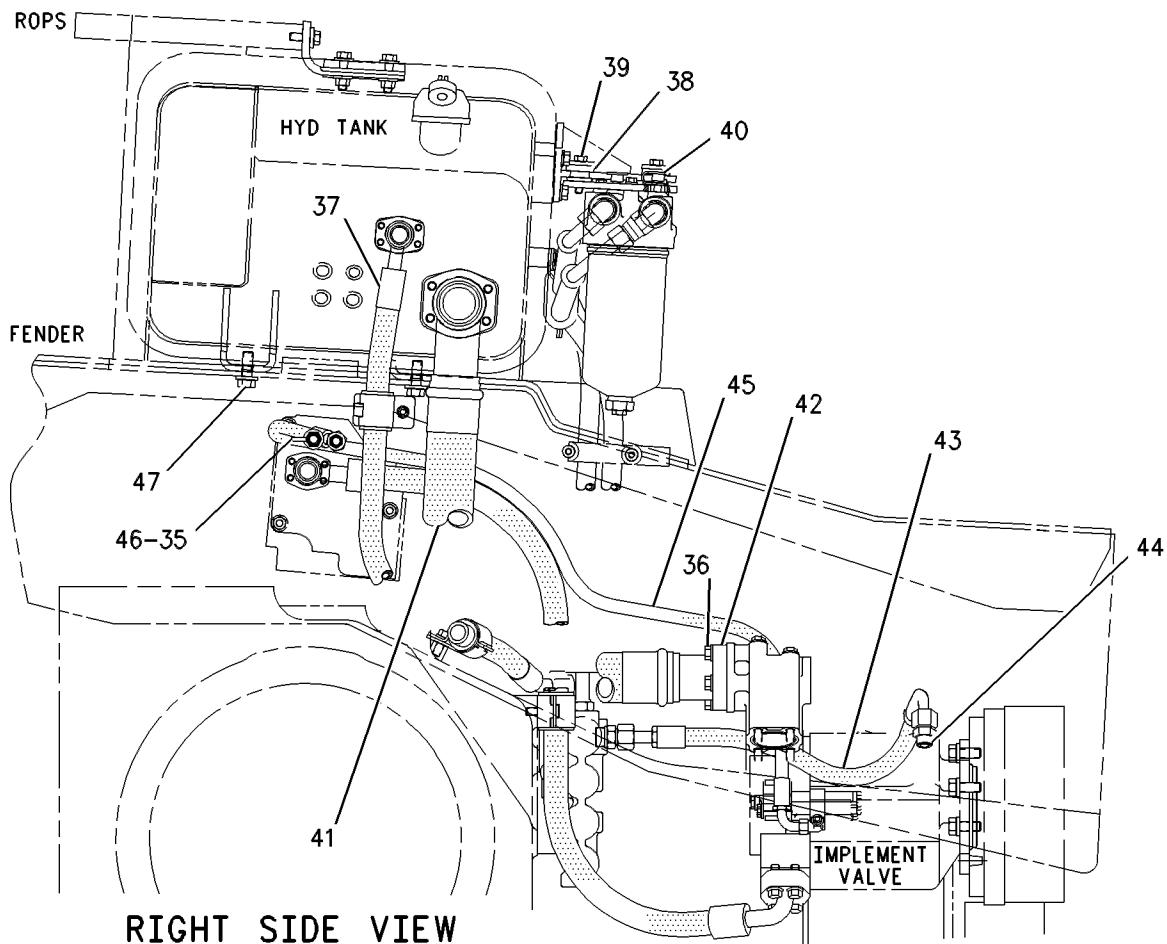
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g00377675

# HYDRAULIC SYSTEM

6Y-3591 LINES GP - PUMP (contd.)

i00815388



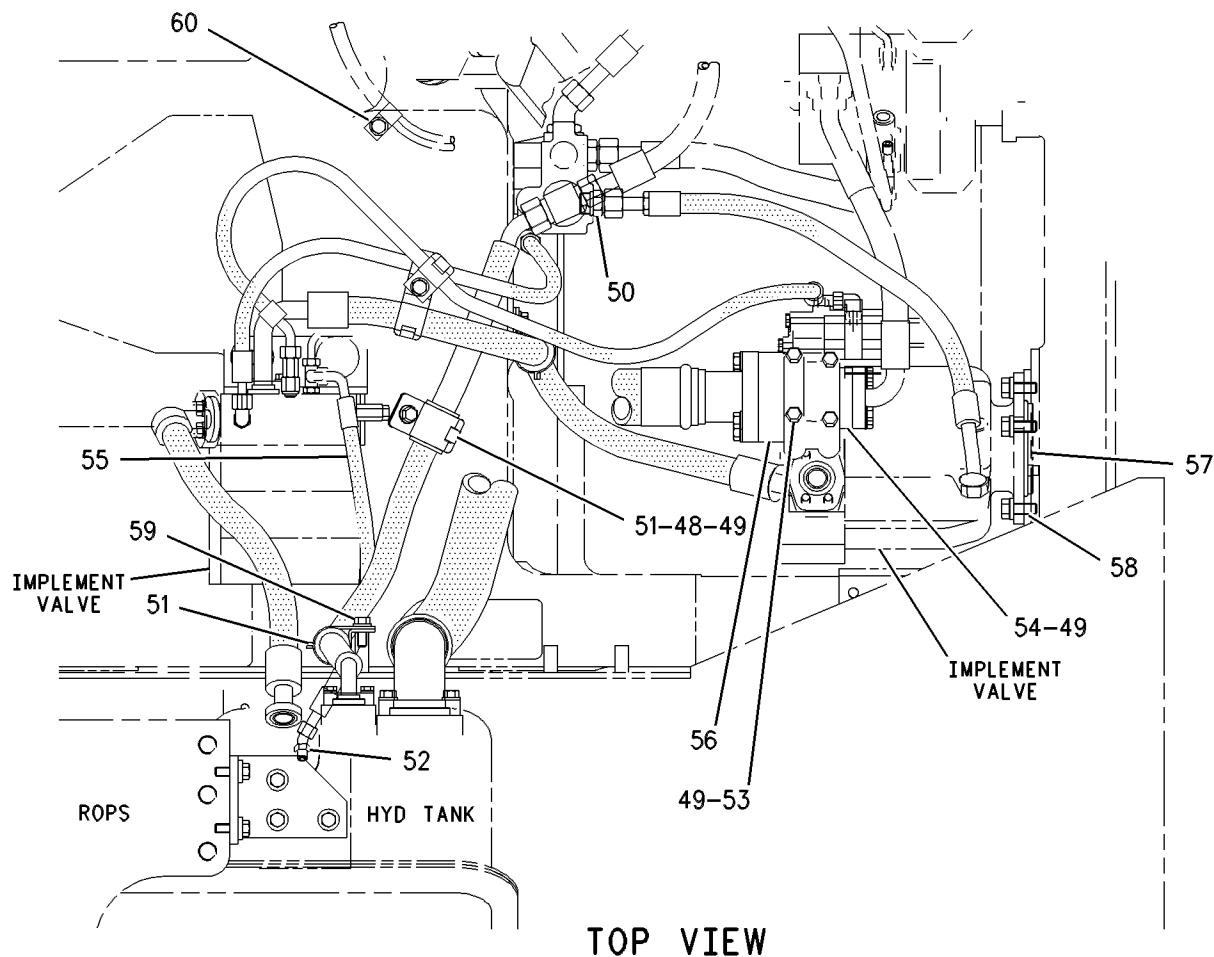
GRAPHIC #2

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# HYDRAULIC SYSTEM

6Y-3591 LINES GP - PUMP (contd.)

i00815388



GRAPHIC #3

g00377677

# HYDRAULIC SYSTEM

## 6Y-3591 LINES GP-PUMP

S/N: 9EM783-897

SMCS-5057

i01219308

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6	
Y	1	1	9T-8340	1	FILTER GP-OIL	782
C	2	1	167-0679	1	PLATE	
	3	1	5S-7379	3	BOLT (3/8-16X.875IN)	
	4	1	8T-4896	3	WASHER-HARD (2.5MM THK)	
	5	2	8T-8919	4	BOLT (1/2-13X1.75IN)	
	6	1,2	8T-4223	12	WASHER-HARD (3MM THK)	
	7	1	148-8338	1	CONNECTOR AS	
		1	3J-1907	1	SEAL-O-RING (11.89MM ID)	
		1	6V-8397	1	SEAL-O-RING (9.27MM ID)	
		1	8T-0075	1	CONNECTOR	
	8	1	6V-0484	1	ADAPTER-O-RING	
	9	1	5P-2566	2	BOLT (1/2-13X1.50 IN)	
	10	2	153-6242	1	CONNECTOR AS	
		2	6V-9746	1	SEAL-O-RING (18.94MM ID)	
		2	7M-8485	1	SEAL-O-RING (29.74MM ID)	
		2	8T-0197	1	CONNECTOR-SEAL	
I	11	1	6Y-4060	1	HOSE AS	
	12	1,2	4J-0520	2	SEAL-O-RING (32.92MM ID)	
	13	1	4J-0522	3	SEAL-O-RING (37.69MM ID)	
	14	1,2	5P-7468	3	CLIP (SLOT)	
	15	1,2	5P-7469	3	CLIP (TAB)	
	16	1,2	5P-8444	3	GROMMET	
	17	1	5C-6565	1	BOLT (1/2-13X1.25IN)	
	18	1,2	3J-1907	5	SEAL-O-RING (11.89MM ID)	
	19	1	1P-4578	2	FLANGE-HALF	
	20	2	5T-4624	3	MOUNTING	
	21	2	8T-4895	3	WASHER	
	22	2	7X-0310	3	BOLT (7/16-14 THD)	
	23	2	8C-3446	1	VALVE-FLUID SAMPLING	
	24	2	3J-7354	1	SEAL-O-RING (8.92MM ID)	
C	25	1,2	8C-3451	2	CAP-DUST	
	26	2	6Y-4076	1	HOSE AS	
	27	2	6J-2680	3	SEAL-O-RING (69.44MM ID)	
	28	2	1P-4584	2	FLANGE-HALF	
I	29	2	6Y-4056	1	HOSE AS	
C	30	1	4I-6287	1	COUPLING AS	
	31	2	148-8322	1	CONNECTOR AS	
		2	2M-9780	1	SEAL-O-RING (19.18MM ID)	
		2	6V-8640	1	CONNECTOR-SEAL	
		2	6V-9746	1	SEAL-O-RING (18.94MM ID)	
	32	1	148-8378	1	ELBOW AS	
		1	3J-1907	1	SEAL-O-RING (11.89MM ID)	
		1	6V-8397	1	SEAL-O-RING (9.27MM ID)	
		1	6V-8724	1	ELBOW (9/16-18 THD)	
I	33	1	7T-9611	1	HOSE AS	
C	34	2	6V-8397	7	SEAL-O-RING (9.27MM ID)	
C	35	1	6V-8724	1	ELBOW (9/16-18 THD)	
	36	2	7X-0345	2	BOLT (5/8-11X1.75IN)	
	37	1	7X-3391	2	WASHER-HARD	
	38	2	7X-0515	2	WASHER (5MM THK)	
	39	2	6Y-8140	1	MANIFOLD	
I	40	2	8E-9318	1	HOSE AS	
	41	2	5F-3106	1	SEAL-O-RING (126.59MM ID)	
	42	2	8T-9393	3	BOLT (5/8-11X1.50IN)	
	43	2	7X-0513	3	WASHER-HARD (5.0MM THK)	
	44	2	7X-0340	2	BOLT (1/2-13X6.5IN)	
	45	2	7X-0337	2	BOLT (1/2-13X5.75IN)	

# HYDRAULIC SYSTEM

**6Y-3591 LINES GP - PUMP (contd.)**

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NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
	46	1	<b>8J-9990</b>	1	PLUG-ORIFICE							
	47	2	<b>4L-6454</b>	1	BOLT (3/8-16X1 IN)							
	48	2	<b>7X-0772</b>	1	WASHER-HARD (2.5MM THK)							
	49	2	<b>8T-8917</b>	1	BOLT (1/2-13X1.25IN)							
I	50	2	<b>8E-9319</b>	1	HOSE AS							
I	51	2	<b>6Y-4049</b>	1	HOSE AS							
	52	2	<b>5K-9090</b>	1	SEAL-O-RING (23.52MM ID)							
	53	1	<b>2B-7558</b>	1	CORK							
	54	1	<b>8T-5360</b>	4	WASHER (2.5MM THK)							
	55	1	<b>9X-2091</b>	1	ELBOW-SWIVEL							
	56	1	<b>3K-0360</b>	1	SEAL-O-RING (16.36MM ID)							
I	57	1	<b>6Y-4078</b>	1	HOSE AS							
	58	1	<b>8T-8916</b>	4	BOLT (7/16-14X1.5IN)							
C	59	1	<b>126-0814</b>	1	NIPPLE AS							
	60	1	<b>5P-6944</b>	1	ADAPTER-STRAIGHT THREAD							
	61	1,2	<b>6V-3965</b>	2	FITTING AS							
	62	1,2	<b>6V-0852</b>	2	CAP-DUST							
	63	1	<b>9T-4543</b>	1	VALVE GP-CHECK							
	64	1	<b>5P-8502</b>	1	PADLOCK GP							
A		1	<b>5P-8500</b>	1	KEY							
A		1	<b>8Y-6364</b>	1	SLEEVE							
	65	1	<b>6E-4796</b>	1	BRACKET							
	66	1	<b>8T-4835</b>	3	BOLT (1/2-13X2.0 IN)							
	67	1	<b>5P-1076</b>	6	WASHER-HARD (4MM THK)							
	68	1	<b>6V-8188</b>	4	NUT (1/2-13 THD)							
	69	2	<b>148-8363</b>	1	ELBOW AS							
		2	<b>3K-0360</b>	1	SEAL-O-RING (16.36MM ID)							
		2	<b>6V-8397</b>	1	SEAL-O-RING (9.27MM ID)							
		2	<b>6V-9876</b>	1	ELBOW-ORFS (3/4-16 THD)							
	70	1	<b>5P-7459</b>	2	CLIP (TAB)							
	71	1	<b>5P-7458</b>	2	CLIP (SLOT)							
	72	1	<b>5P-7464</b>	1	CLIP (SLOT)							
	73	1	<b>5P-7465</b>	1	CLIP (TAB)							
	74	1	<b>5P-2424</b>	1	BOLT (1/2-13X2.25IN)							
	75	1	<b>148-8458</b>	1	UNION AS-ORFS							
		1	<b>6V-8397</b>	2	SEAL-O-RING (9.27MM ID)							
		1	<b>6V-9807</b>	1	UNION							

A-NOT PART OF THIS GROUP

C-CHANGE FROM PREVIOUS TYPE

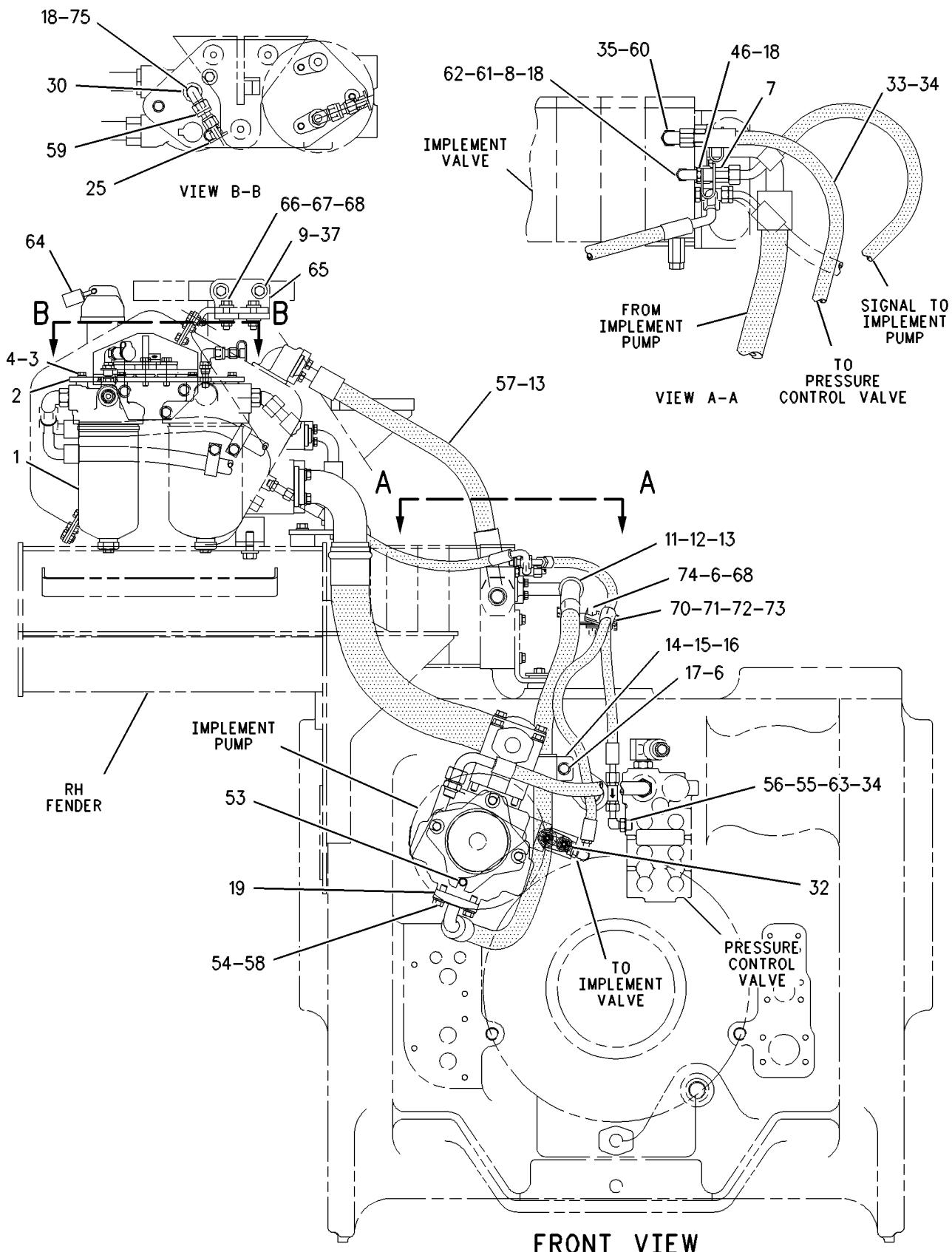
I-SEE HOSE FABRICATION GUIDE

Y-SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

6Y-3591 LINES GP-PUMP (contd.)

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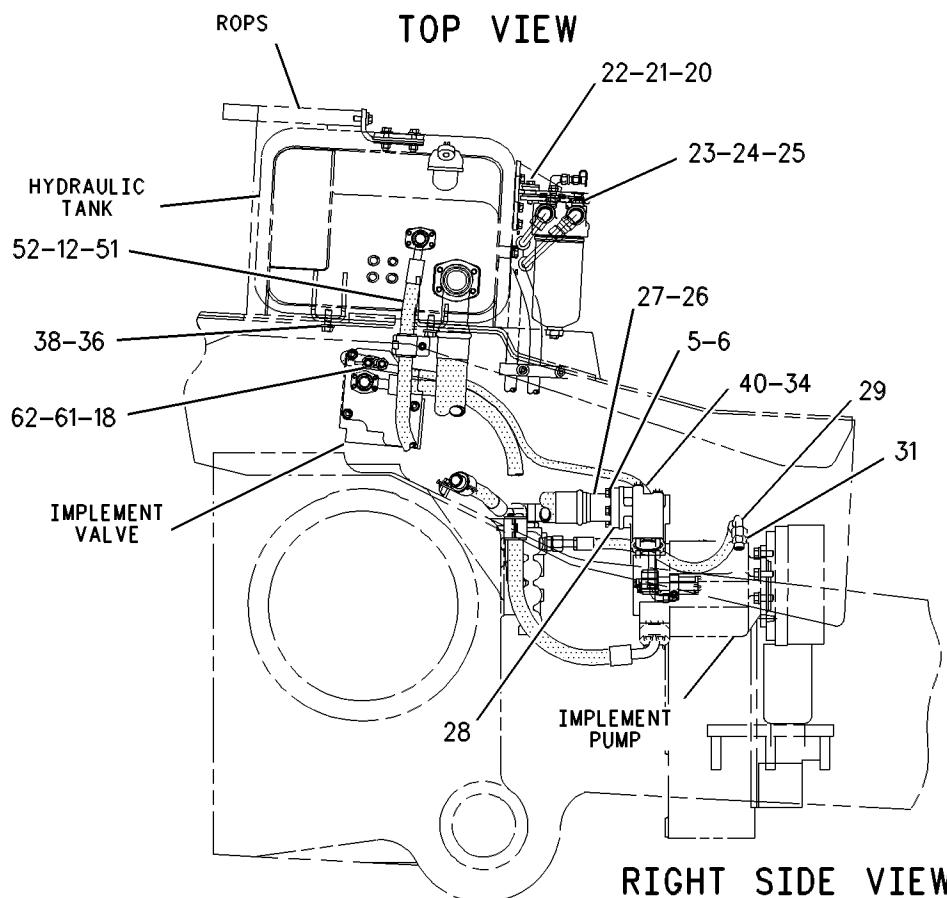
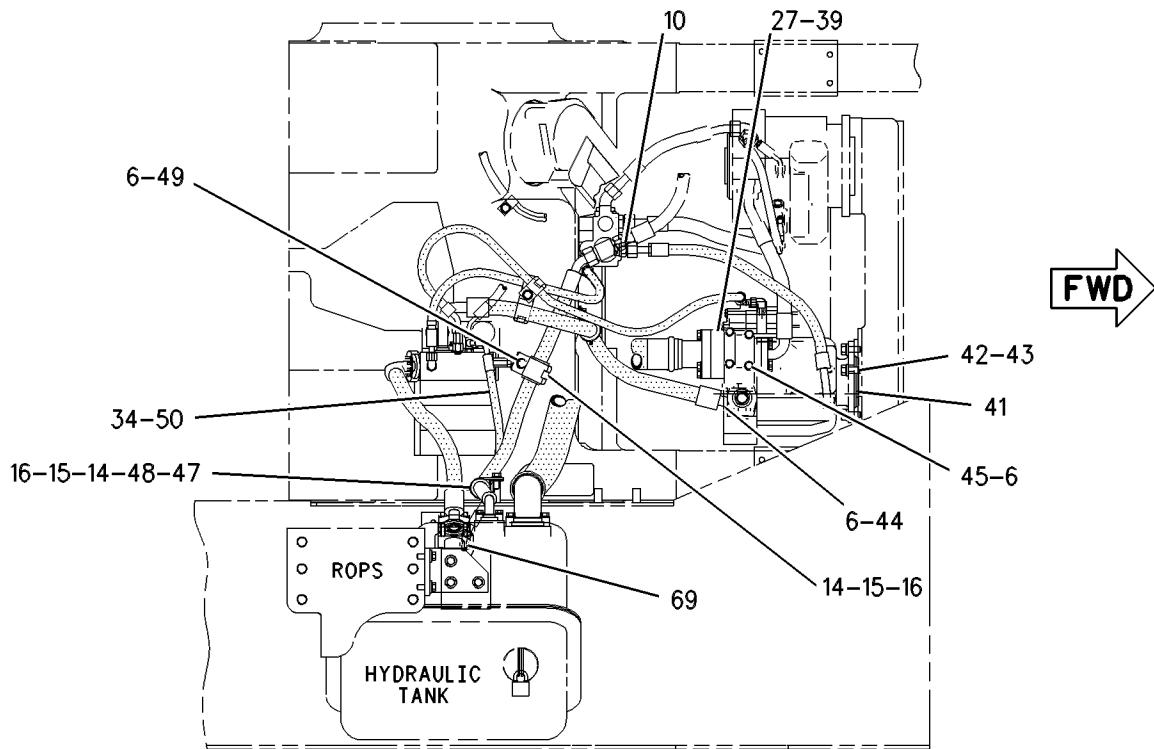
GRAPHIC #1

g00598613

# HYDRAULIC SYSTEM

6Y-3591 LINES GP - PUMP (contd.)

i01219308



GRAPHIC #2

g00598614

# HYDRAULIC SYSTEM

## 6Y-3591 LINES GP-PUMP

S/N: 9EM898-1032

**SMCS-5057**

**i01327628**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE	
					1 2 3 4 5 6 (PRODUCT LEVEL)		
CY	1	1	<b>183-8610</b>	1	FILTER GP-OIL		783
	2	1	<b>167-0679</b>	1	PLATE		
	3	1	<b>5S-7379</b>	3	BOLT (3/8-16X.875 IN)		
	4	1	<b>8T-4896</b>	3	WASHER-HARD (10.2X18.5X2.5MM THK)		
	5	2	<b>8T-8919</b>	4	BOLT (1/2-13X1.75 IN)		
	6	1,2	<b>8T-4223</b>	12	WASHER-HARD (3MM THK)		
	7	1	148-8338	1	CONNECTOR AS		
		1	<b>3J-1907</b>	1	SEAL-O-RING (11.89MM ID)		
		1	<b>6V-8397</b>	1	SEAL-O-RING (9.27MM ID)		
		1	<b>8T-0075</b>	1	CONNECTOR		
	8	1	<b>6V-0484</b>	1	ADAPTER-O-RING		
	9	1	<b>5P-2566</b>	2	BOLT (1/2-13X1.50 IN)		
	10	2	153-6242	1	CONNECTOR AS		
		2	<b>6V-9746</b>	1	SEAL-O-RING (18.94MM ID)		
		2	<b>7M-8485</b>	1	SEAL-O-RING (29.74MM ID)		
		2	<b>8T-0197</b>	1	CONNECTOR-SEAL		
I	11	1	<b>6Y-4060</b>	1	HOSE AS		
	12	1,2	<b>4J-0520</b>	2	SEAL-O-RING (32.92MM ID)		
	13	1	<b>4J-0522</b>	3	SEAL-O-RING (37.69MM ID)		
	14	1,2	<b>5P-7468</b>	3	CLIP (SLOT)		
	15	1,2	<b>5P-7469</b>	3	CLIP (TAB)		
	16	1,2	<b>5P-8444</b>	3	GROMMET		
	17	1	<b>5C-6565</b>	1	BOLT (1/2-13X1.25 IN)		
	18	1,2	<b>3J-1907</b>	5	SEAL-O-RING (11.89MM ID)		
	19	1	<b>1P-4578</b>	2	FLANGE-HALF		
	20	2	<b>5T-4624</b>	3	MOUNTING		
	21	2	<b>8T-4895</b>	3	WASHER		
	22	2	<b>7X-0310</b>	3	BOLT (7/16-14 THD)		
	23	2	<b>8C-3446</b>	1	VALVE-FLUID SAMPLING		
	24	2	<b>3J-7354</b>	1	SEAL-O-RING (8.92MM ID)		
	25	1,2	<b>8C-3451</b>	2	CAP-DUST		
	26	2	<b>6Y-4076</b>	1	HOSE AS		
	27	2	<b>6J-2680</b>	3	SEAL-O-RING (69.44MM ID)		
	28	2	<b>1P-4584</b>	2	FLANGE-HALF		
I	29	2	<b>6Y-4056</b>	1	HOSE AS		
	30	1	<b>4I-6287</b>	1	COUPLING AS		
	31	2	148-8322	1	CONNECTOR AS		
		2	<b>2M-9780</b>	1	SEAL-O-RING (19.18MM ID)		
		2	<b>6V-8640</b>	1	CONNECTOR-SEAL		
		2	<b>6V-9746</b>	1	SEAL-O-RING (18.94MM ID)		
	32	1	148-8378	1	ELBOW AS		
		1	<b>3J-1907</b>	1	SEAL-O-RING (11.89MM ID)		
		1	<b>6V-8397</b>	1	SEAL-O-RING (9.27MM ID)		
		1	<b>6V-8724</b>	1	ELBOW-90 DEGREE		
I	33	1	<b>7T-9611</b>	1	HOSE AS		
	34	2	<b>6V-8397</b>	7	SEAL-O-RING (9.27MM ID)		
	35	1	<b>6V-8724</b>	1	ELBOW-90 DEGREE		
	36	2	<b>7X-0345</b>	2	BOLT (5/8-11X1.75 IN)		
	37	1	<b>7X-3391</b>	2	WASHER-HARD		
	38	2	<b>7X-0515</b>	2	WASHER (5MM THK)		
	39	2	<b>6Y-8140</b>	1	MANIFOLD		
I	40	2	<b>8E-9318</b>	1	HOSE AS		
	41	2	<b>5F-3106</b>	1	SEAL-O-RING (126.59MM ID)		
	42	2	<b>8T-9393</b>	3	BOLT (5/8-11X1.50 IN)		
	43	2	<b>7X-0513</b>	3	WASHER-HARD (5.0MM THK)		
	44	2	<b>7X-0340</b>	2	BOLT (1/2-13X6.5IN)		
	45	2	<b>7X-0337</b>	2	BOLT (1/2-13X5.75IN)		

# HYDRAULIC SYSTEM

**6Y-3591 LINES GP - PUMP (contd.)**

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NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
	46	1	8J-9990	1	PLUG-ORIFICE							
	47	2	4L-6454	1	BOLT (3/8-16X1 IN)							
	48	2	7X-0772	1	WASHER-HARD (2.5MM THK)							
	49	2	8T-8917	1	BOLT (1/2-13X1.25 IN)							
I	50	2	8E-9319	1	HOSE AS							
I	51	2	6Y-4049	1	HOSE AS							
	52	2	5K-9090	1	SEAL-O-RING (23.52MM ID)							
	53	1	2B-7558	1	CORK							
	54	1	8T-5360	4	WASHER (2.5MM THK)							
	55	1	9X-2091	1	ELBOW-SWIVEL (90 DEG)							
	56	1	3K-0360	1	SEAL-O-RING (16.36MM ID)							
I	57	1	6Y-4078	1	HOSE AS							
	58	1	8T-8916	4	BOLT (7/16-14X1.5 IN)							
	59	1	126-0814	1	NIPPLE AS							
	60	1	5P-6944	1	ADAPTER-STRAIGHT THREAD							
	61	1,2	6V-3965	2	FITTING AS							
	62	1,2	6V-0852	2	CAP-DUST							
	63	1	9T-4543	1	VALVE GP-CHECK							
	64	1	5P-8502	1	PADLOCK GP							
A	1		5P-8500	1	KEY							
A	1		8Y-6364	1	SLEEVE							
	65	1	6E-4796	1	BRACKET							
	66	1	8T-4835	3	BOLT (1/2-13X2.0 IN)							
	67	1	5P-1076	6	WASHER-HARD (4MM THK)							
	68	1	6V-8188	4	NUT (1/2-13 THD)							
	69	2	148-8363	1	ELBOW AS							
		2	3K-0360	1	SEAL-O-RING (16.36MM ID)							
		2	6V-8397	1	SEAL-O-RING (9.27MM ID)							
		2	6V-9876	1	ELBOW-ORFS (3/4-16 THD)							
	70	1	5P-7459	2	CLIP (TAB)							
	71	1	5P-7458	2	CLIP (SLOT)							
	72	1	5P-7464	1	CLIP (SLOT)							
	73	1	5P-7465	1	CLIP (TAB)							
	74	1	5P-2424	1	BOLT (1/2-13X2.25 IN)							
	75	1	148-8458	1	UNION AS-ORFS							
		1	6V-8397	2	SEAL-O-RING (9.27MM ID)							
		1	6V-9807	1	UNION							
C	76	1	4P-7581	2	CLIP							

A-NOT PART OF THIS GROUP

C-CHANGE FROM PREVIOUS TYPE

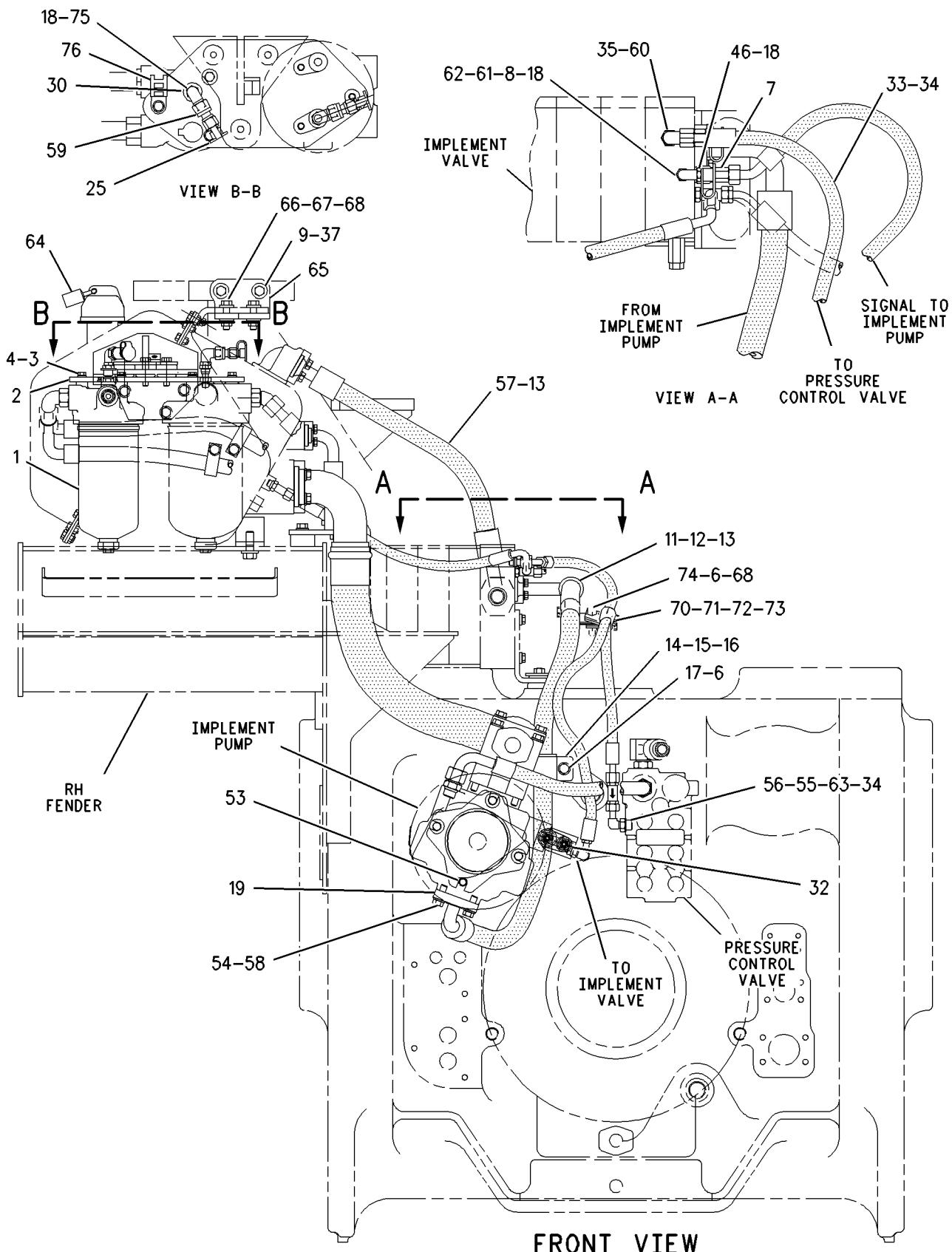
I-SEE HOSE FABRICATION GUIDE

Y-SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

6Y-3591 LINES GP - PUMP (contd.)

i01327628



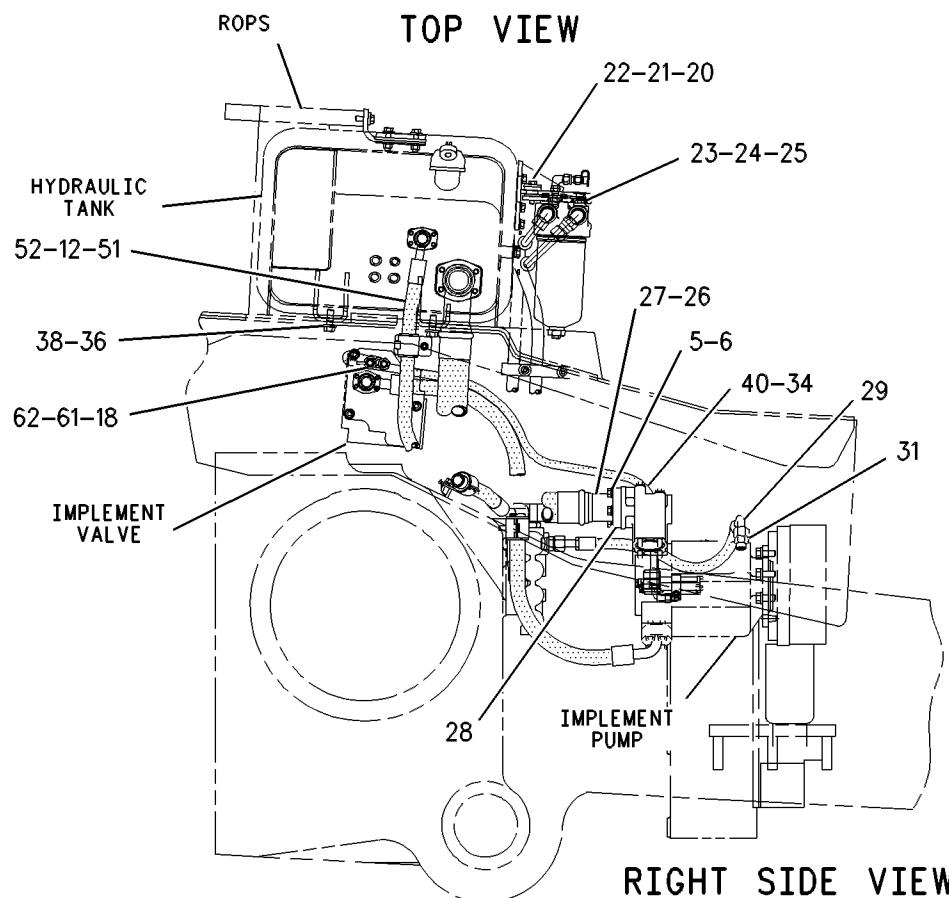
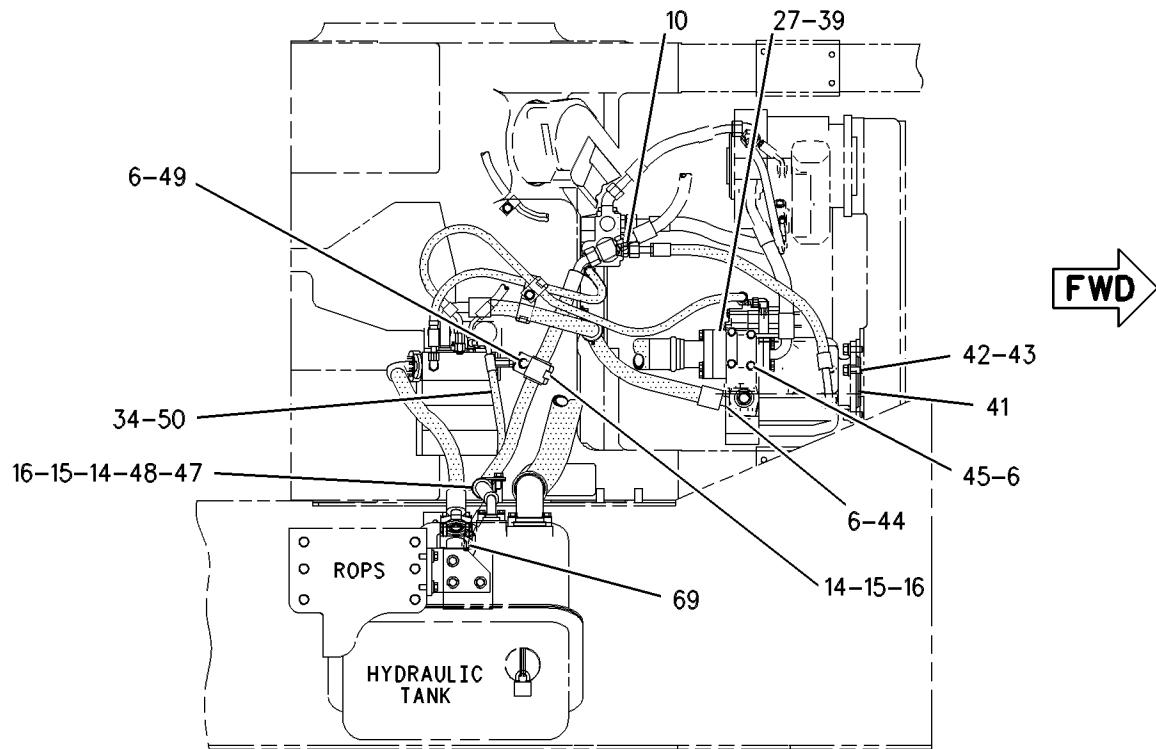
GRAPHIC #1

g00683989

# HYDRAULIC SYSTEM

6Y-3591 LINES GP - PUMP (contd.)

i01327628



GRAPHIC #2

g00598614

# HYDRAULIC SYSTEM

## 6Y-3591 LINES GP - PUMP

S/N: 9EM1033-UP

**SMCS-5057**

**i01458720**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
Y	1	1	<b>183-8610</b>	1	FILTER GP-OIL							783
	2	1	<b>167-0679</b>	1	PLATE							
	3	1	<b>5S-7379</b>	3	BOLT (3/8-16X0.875 IN)							
	4	1	<b>8T-4896</b>	3	WASHER-HARD (10.2X18.5X2.5MM THK)							
	5	2	<b>8T-8919</b>	4	BOLT (1/2-13X1.75 IN)							
	6	1,2	<b>8T-4223</b>	12	WASHER-HARD (13.5X25.5X3MM THK)							
	7	1	<b>148-8338</b>	1	CONNECTOR GP							
		1	<b>3J-1907</b>	1	SEAL-O-RING							
		1	<b>6V-8397</b>	1	SEAL-O-RING							
		1	<b>8T-0075</b>	1	CONNECTOR							
	8	1	<b>150-3065</b>	1	ADAPTER GP							
		1	<b>3J-1907</b>	1	SEAL-O-RING							
		1	<b>6V-0484</b>	1	ADAPTER-O-RING							
	9	1	<b>5P-2566</b>	2	BOLT (1/2-13X1.5 IN)							
	10	2	<b>153-6242</b>	1	CONNECTOR AS							
		2	<b>6V-9746</b>	1	SEAL-O-RING							
		2	<b>7M-8485</b>	1	SEAL-O-RING							
		2	<b>8T-0197</b>	1	CONNECTOR							
I	11	1	<b>6Y-4060</b>	1	HOSE AS							
	12	1,2	<b>4J-0520</b>	2	SEAL-O-RING							
	13	1	<b>4J-0522</b>	3	SEAL-O-RING							
	14	1,2	<b>5P-7468</b>	3	CLIP (SLOT)							
	15	1,2	<b>5P-7469</b>	3	CLIP (TAB)							
	16	1,2	<b>5P-8444</b>	3	GROMMET							
	17	1	<b>5C-6565</b>	1	BOLT (1/2-13X1.25 IN)							
	18	1,2	<b>3J-1907</b>	4	SEAL-O-RING							
	19	1	<b>1P-4578</b>	2	FLANGE-HALF							
	20	2	<b>5T-4624</b>	3	MOUNTING							
	21	2	<b>8T-4895</b>	3	WASHER (13.5X50X5MM THK)							
	22	2	<b>7X-0310</b>	3	BOLT (7/16-14X2 IN)							
	23	2	<b>8C-3446</b>	1	VALVE AS-FLUID SAMPLING							
	24	2	<b>3J-7354</b>	1	SEAL-O-RING							
	25	1,2	<b>8C-3451</b>	2	CAP-DUST							
	26	2	<b>6Y-4076</b>	1	HOSE AS							
	27	2	<b>6J-2680</b>	3	SEAL-O-RING							
	28	2	<b>1P-4584</b>	2	FLANGE-HALF							
I	29	2	<b>6Y-4056</b>	1	HOSE AS							
	30	1	<b>4I-6287</b>	1	COUPLING AS							
	31	2	<b>148-8322</b>	1	CONNECTOR GP							
		2	<b>2M-9780</b>	1	SEAL-O-RING							
		2	<b>6V-8640</b>	1	CONNECTOR-SEAL							
		2	<b>6V-9746</b>	1	SEAL-O-RING							
	32	1	<b>148-8378</b>	1	ELBOW GP							
		1	<b>3J-1907</b>	1	SEAL-O-RING							
		1	<b>6V-8397</b>	1	SEAL-O-RING							
		1	<b>6V-8724</b>	1	ELBOW							
I	33	1	<b>7T-9611</b>	1	HOSE AS							
	34	1,2	<b>6V-8397</b>	7	SEAL-O-RING							
	35	1	<b>6V-8724</b>	1	ELBOW							
	36	2	<b>7X-0345</b>	2	BOLT (5/8-11X1.75 IN)							
	37	1	<b>7X-3391</b>	2	WASHER-HARD (13.5X32X6MM THK)							
	38	2	<b>7X-0515</b>	2	WASHER-HARD (17X35X5MM THK)							
	39	2	<b>6Y-8140</b>	1	MANIFOLD							
I	40	2	<b>8E-9318</b>	1	HOSE AS							
	41	2	<b>5F-3106</b>	1	SEAL-O-RING							
	42	2	<b>8T-9393</b>	3	BOLT (5/8-11X1.5 IN)							
	43	2	<b>7X-0513</b>	3	WASHER-HARD (17X30X5MM THK)							

# HYDRAULIC SYSTEM

**6Y-3591 LINES GP - PUMP (contd.)**

**i01458720**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
	44	2	7X-0340	2	BOLT (1/2-13X6.5 IN)							
	45	2	7X-0337	2	BOLT (1/2-13X5.75 IN)							
	46	1	8J-9990	1	PLUG-ORIFICE							
	47	2	4L-6454	1	BOLT (3/8-16X1 IN)							
	48	2	7X-0772	1	WASHER-HARD (10.2X25.5X2.5MM THK)							
	49	2	8T-8917	1	BOLT (1/2-13X1.25 IN)							
I	50	2	8E-9319	1	HOSE AS							
I	51	2	6Y-4049	1	HOSE AS							
	52	2	5K-9090	1	SEAL-O-RING							
	53	1	2B-7558	1	CORK							
	54	1	8T-5360	4	WASHER (12X22.5X2.5MM THK)							
	55	1	9X-2091	1	ELBOW-SWIVEL							
	56	1	3K-0360	1	SEAL-O-RING							
I	57	1	6Y-4078	1	HOSE AS							
	58	1	8T-8916	4	BOLT (7/16-14X1.5 IN)							
	59	1	126-0814	1	FITTING AS							
	60	1	5P-6944	1	ADAPTER-STRAIGHT THREAD							
	61	1,2	6V-3965	2	FITTING AS (QUICK DISCONNECT)							
	62	1,2	6V-0852	2	CAP-DUST							
	63	1	9T-4543	1	VALVE GP-CHECK							
	64	1	5P-8502	1	PADLOCK GP							
A	1		5P-8500	1	KEY							
A	1		8Y-6364	1	SLEEVE							
	65	1	6E-4796	1	BRACKET							
	66	1	8T-4835	3	BOLT (1/2-13X2 IN)							
	67	1	5P-1076	6	WASHER-HARD (13.5X30X4MM THK)							
	68	1	6V-8188	4	NUT (1/2-13 THD)							
	69	2	148-8363	1	ELBOW AS							
		2	3K-0360	1	SEAL-O-RING							
		2	6V-8397	1	SEAL-O-RING							
		2	6V-9876	1	ELBOW							
	70	1	5P-7459	2	CLIP (TAB)							
	71	1	5P-7458	2	CLIP (SLOT)							
	72	1	5P-7464	1	CLIP (SLOT)							
	73	1	5P-7465	1	CLIP (TAB)							
	74	1	5P-2424	1	BOLT (1/2-13X2.25 IN)							
	75	1	148-8458	1	UNION GP							
		1	6V-8397	2	SEAL-O-RING							
		1	6V-9807	1	UNION							
	76	1	4P-7581	2	CLIP							
C	77	1	3G-4783	1	VALVE-BREAKER RELIEF							
C	78	1	3D-2824	1	SEAL-O-RING							

A-NOT PART OF THIS GROUP

C-CHANGE FROM PREVIOUS TYPE

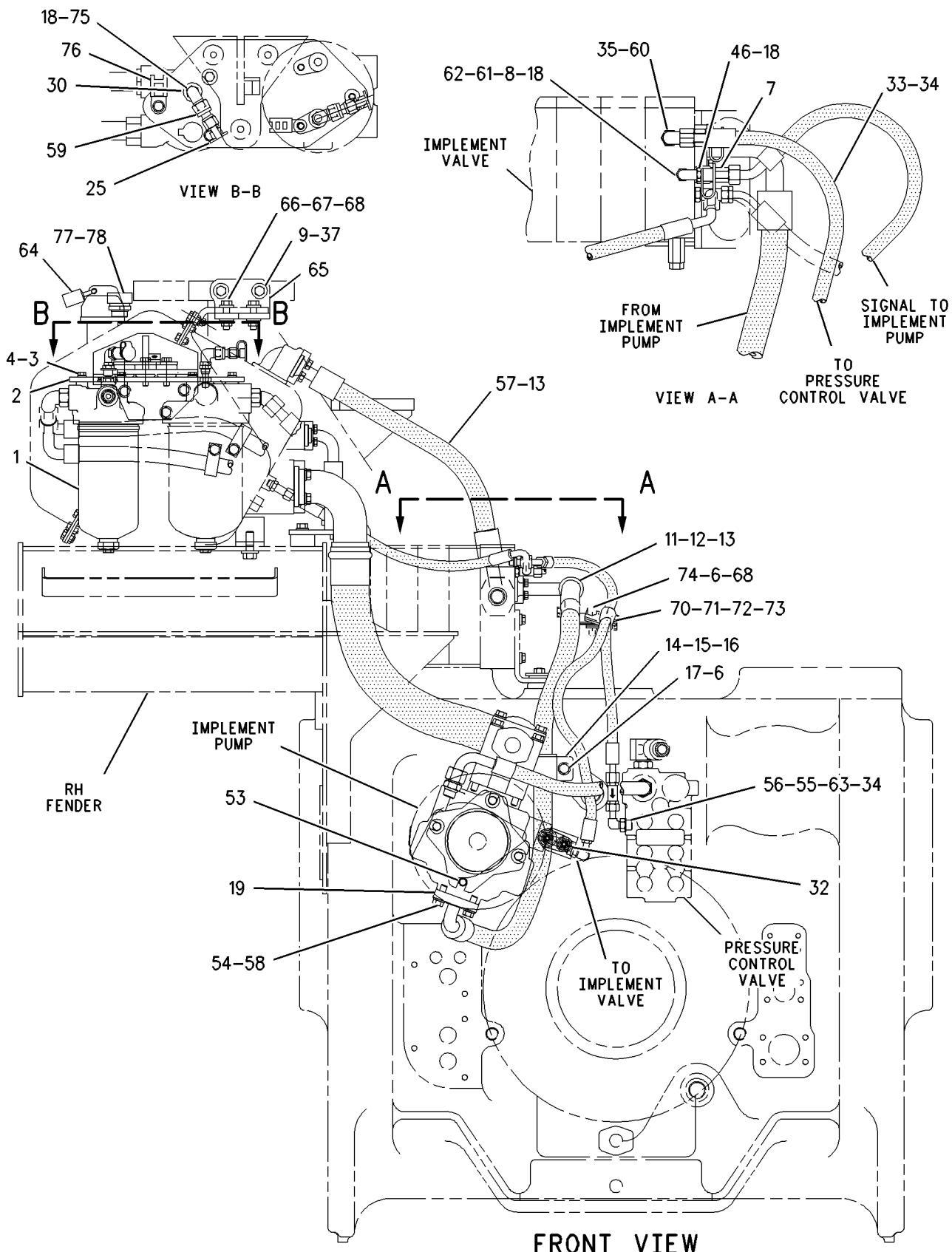
I-SEE HOSE FABRICATION GUIDE

Y-SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

6Y-3591 LINES GP - PUMP (contd.)

i01458720



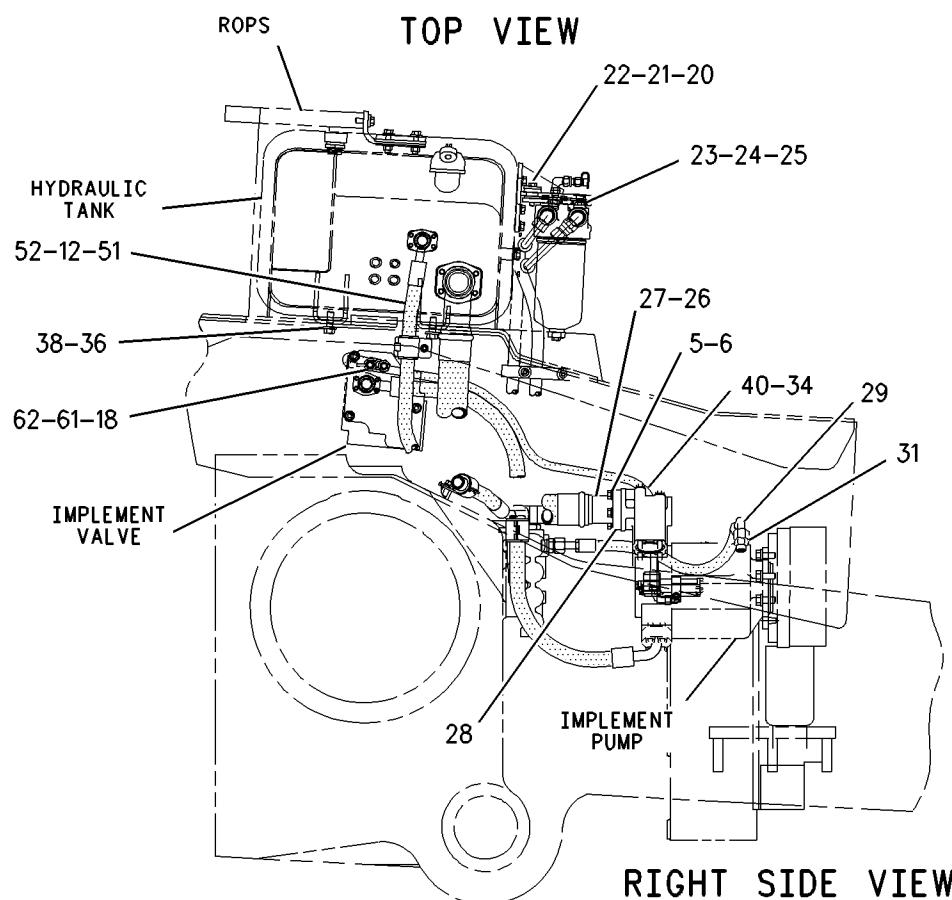
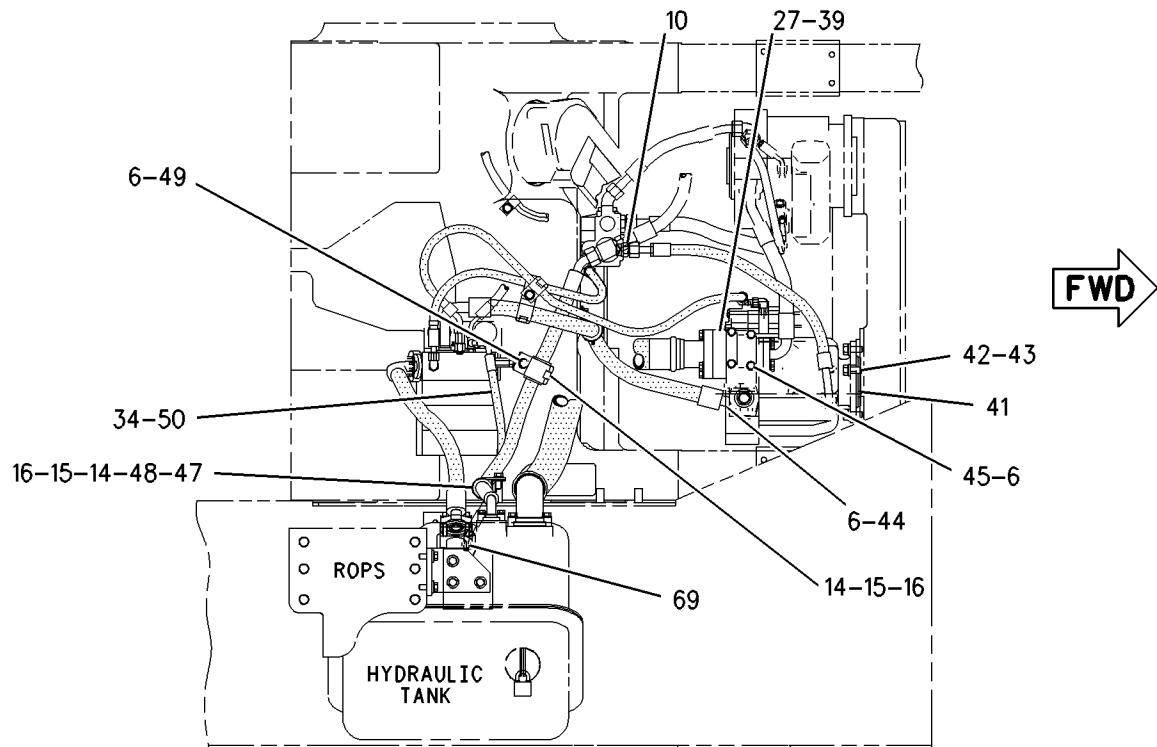
GRAPHIC #1

g00792467

# HYDRAULIC SYSTEM

6Y-3591 LINES GP - PUMP (contd.)

i01458720



GRAPHIC #2

g00792474

# HYDRAULIC SYSTEM

## 8E-4650 LINES GP-RIPPER

S/N: 9EH1-99999; 9FH1-99999

PART OF 6Y-9458, 8E-1588 RIPPER AR

AN ATTACHMENT

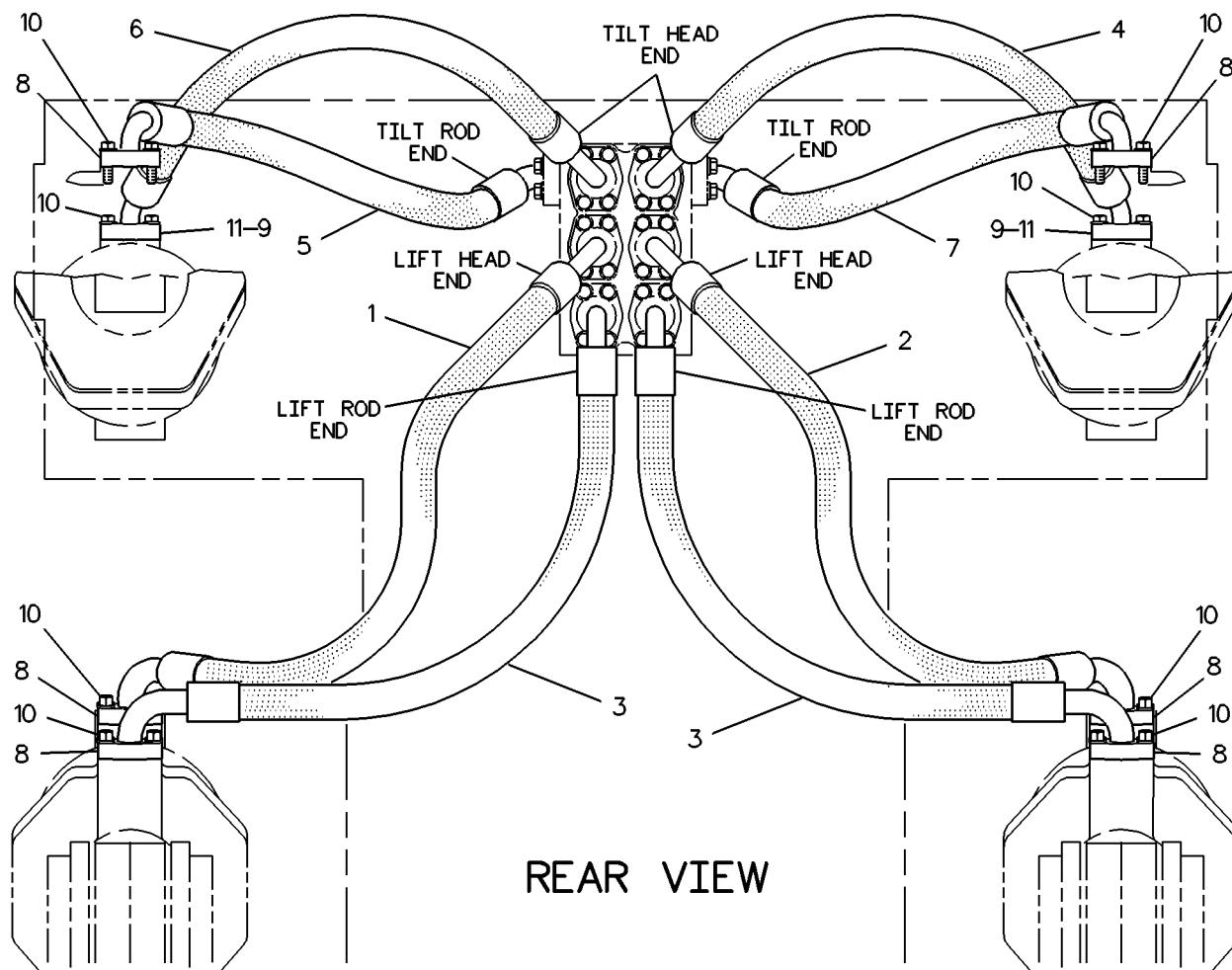
TYPE 1

SMCS-5057, 5352, 5356

i00569808

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
I	1	1	8E-5561	1	HOSE AS						
I	2	1	8E-5562	1	HOSE AS						
I	3	1	8E-5563	2	HOSE AS						
I	4	1	8E-5564	1	HOSE AS						
I	5	1	8E-5659	1	HOSE AS						
I	6	1	8E-5658	1	HOSE AS						
I	7	1	8E-5660	1	HOSE AS						
8	1	4J-0520	6		SEAL-O-RING (32.92MM ID)						
	1	1P-4577	12		FLANGE-HALF						
9	1	4J-5267	10		SEAL-O-RING (24.99MM ID)						
10	1	5S-7382	32		BOLT (3/8-16X1.375IN)						
	1	8T-4896	32		WASHER-HARD (2.5MM THK)						
11	1	1P-4576	4		FLANGE						

I - SEE HOSE FABRICATION GUIDE



GRAPHIC #1

g00222278

# HYDRAULIC SYSTEM

## 8E - 4650 LINES GP - RIPPER

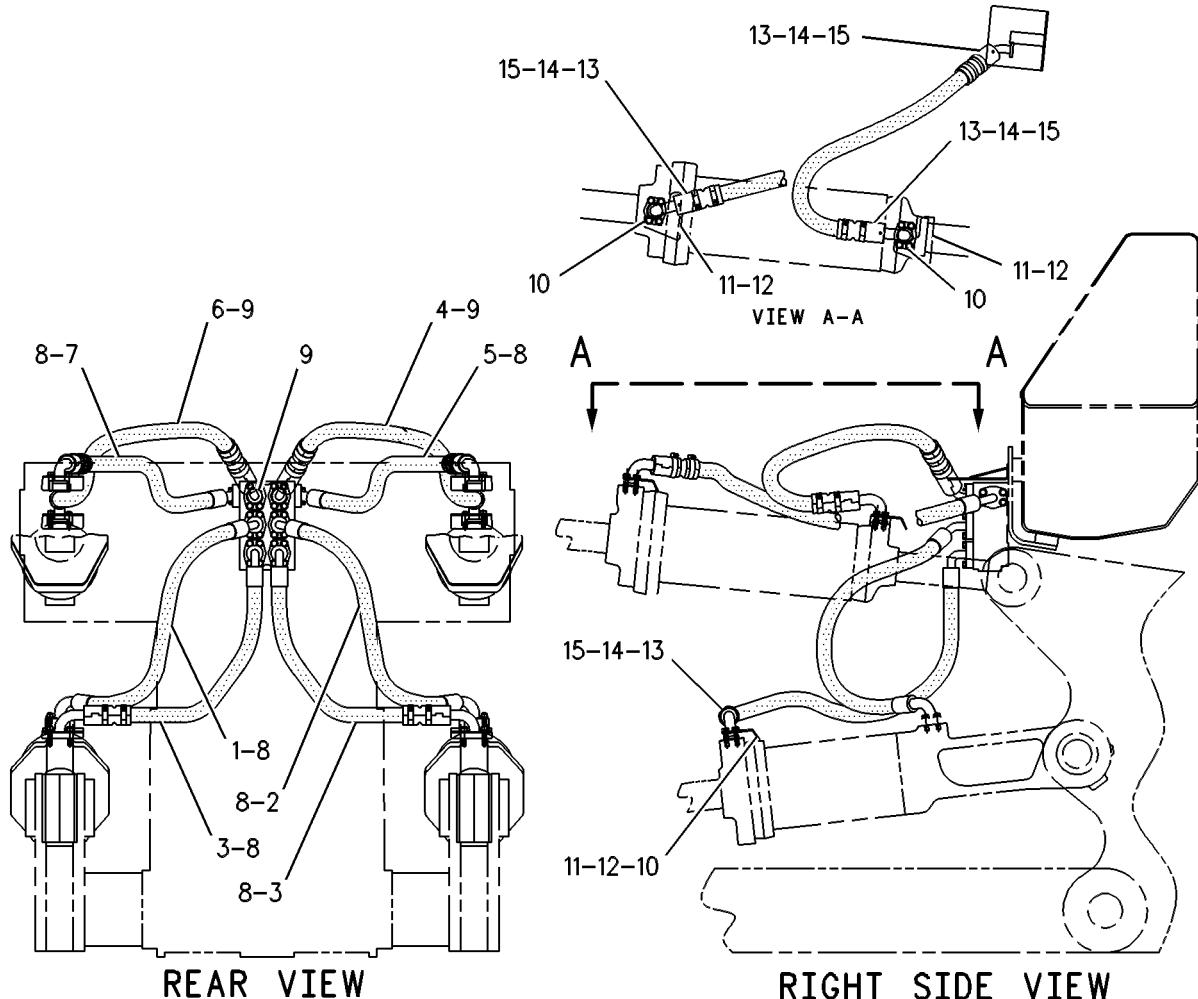
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 PART OF 6Y-9458, 8E-1588 RIPPER AR  
 AN ATTACHMENT  
 TYPE 2

**SMCS-5057, 5352, 5356**

**i00682719**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
I	1	1	8E-5561	1	HOSE AS						
I	2	1	8E-5562	1	HOSE AS						
I	3	1	8E-5563	2	HOSE AS						
I	4	1	138-0555	1	HOSE AS						
I	5	1	8E-5659	1	HOSE AS						
I	6	1	138-0556	1	HOSE AS						
I	7	1	8E-5660	1	HOSE AS						
8	1		4J-0520	6	SEAL-O-RING (32.92MM ID)						
9	1		4J-5267	10	SEAL-O-RING (24.99MM ID)						
10	1		4L-9337	12	BOLT (3/8-16X1.50IN)						
11	1		139-2455	3	SHIELD-RH						
12	1		139-2456	3	SHIELD-LH						
13	1		130-1977	16	SHIELD						
14	1		9M-2904	16	CLAMP-HOSE						
15	1		130-9191	8	GROMMET						

I-SEE HOSE FABRICATION GUIDE



GRAPHIC #1

g00272885

# HYDRAULIC SYSTEM

## 112-8191 LINES GP-RIPPER

S/N: 9EM1-UP

PART OF 108-1011 CONTROL AR-HYDRAULIC  
AN ATTACHMENT

**SMCS-5057, 5352, 5356**

**i01462911**

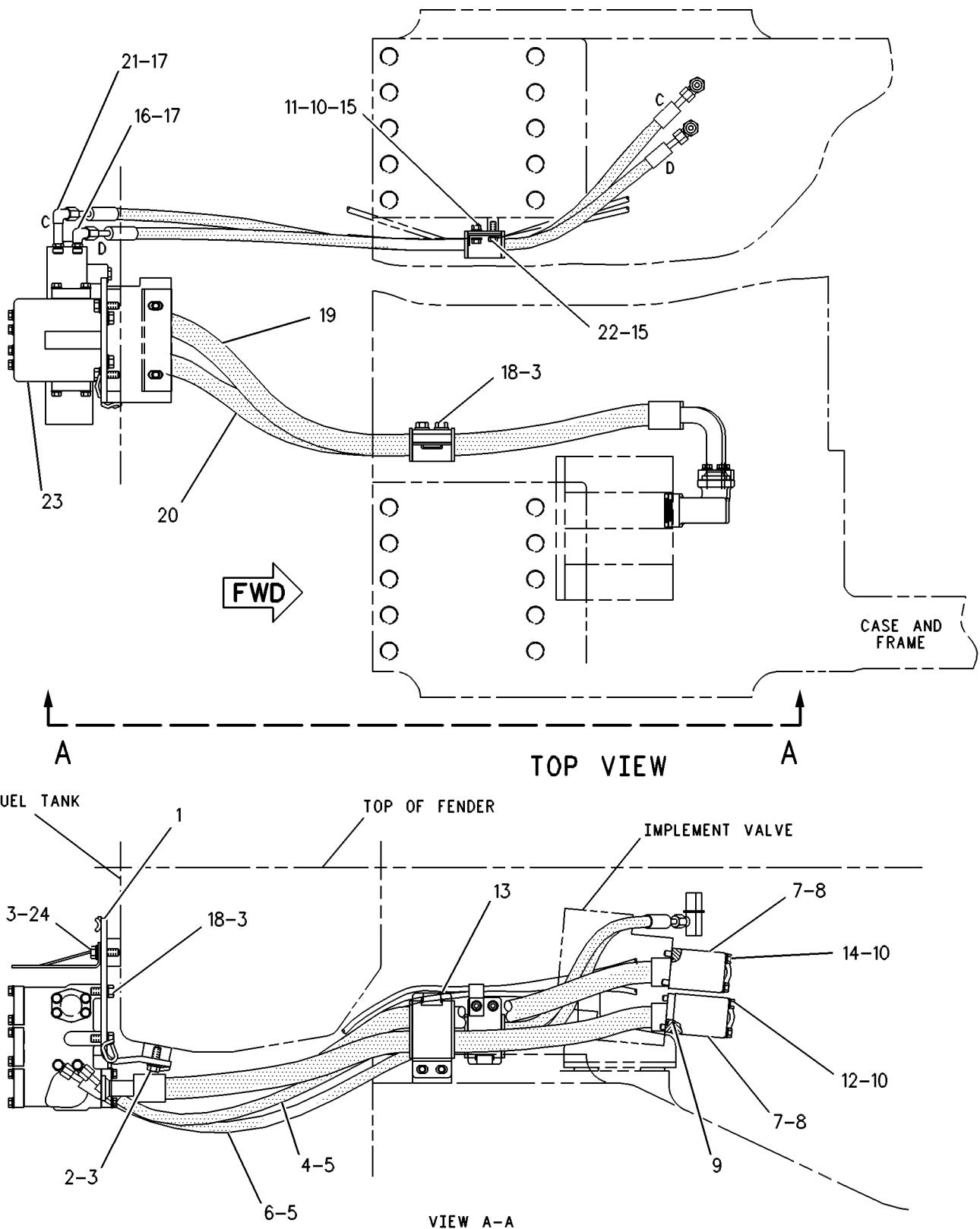
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
	1	1	<b>8E-5588</b>	1	BRACKET AS							
		1	<b>7T-1099</b>	3	LINK							
	2	1	<b>8C-4436</b>	2	BOLT (1/2-13X1.375 IN)							
	3	1	<b>8T-4223</b>	10	WASHER-HARD (13.5X25.5X3MM THK)							
I	4	1	<b>100-7443</b>	1	HOSE AS							
	5	1	<b>6V-8397</b>	4	SEAL-O-RING							
I	6	1	<b>8W-4202</b>	1	HOSE AS							
	7	1	<b>108-9307</b>	2	ELBOW							
	8	1	<b>4J-0520</b>	6	SEAL-O-RING							
	9	1	<b>6J-7035</b>	1	FLANGE							
		1	<b>1P-3704</b>	1	SEAL-RECTANGULAR							
	10	1	<b>8T-4896</b>	10	WASHER-HARD (10.2X18.5X2.5MM THK)							
	11	1	<b>6V-8801</b>	1	NUT (3/8-16 THD)							
	12	1	<b>7X-0294</b>	4	BOLT (3/8-16X5 IN)							
	13	1	<b>7G-5984</b>	1	CLIP (TAB)							
		1	<b>7G-5985</b>	1	CLIP (SLOT)							
		1	<b>7G-5986</b>	1	GROMMET							
	14	1	<b>7X-0292</b>	4	BOLT (3/8-16X4.50 IN)							
	15	1	<b>8T-2502</b>	2	BOLT (3/8-16X1.125 IN)							
	16	1	<b>6V-8724</b>	1	ELBOW							
	17	1	<b>3J-1907</b>	2	SEAL-O-RING							
	18	1	<b>8T-8917</b>	6	BOLT (1/2-13X1.25 IN)							
I	19	1	<b>112-8192</b>	1	HOSE AS							
I	20	1	<b>112-8193</b>	1	HOSE AS							
	21	1	<b>8T-1905</b>	1	ELBOW							
	22	1	<b>3G-8054</b>	1	CLIP (TAB)							
		1	<b>3G-8057</b>	1	CLIP (SLOT)							
		1	<b>6V-0974</b>	1	GROMMET							
	23	1	<b>128-8623</b>	1	PLATE AS							
	24	1	<b>5P-2566</b>	2	BOLT (1/2-13X1.5 IN)							

I - SEE HOSE FABRICATION GUIDE

# HYDRAULIC SYSTEM

112-8191 LINES GP-RIPPER (contd.)

i01462911



GRAPHIC #1

g00274008

# HYDRAULIC SYSTEM

## 188-2698 LINES GP-RIPPER

S/N: CXA1-UP; CXW1-UP

PART OF 188-2699, 188-2700 RIPPER AR  
AN ATTACHMENT

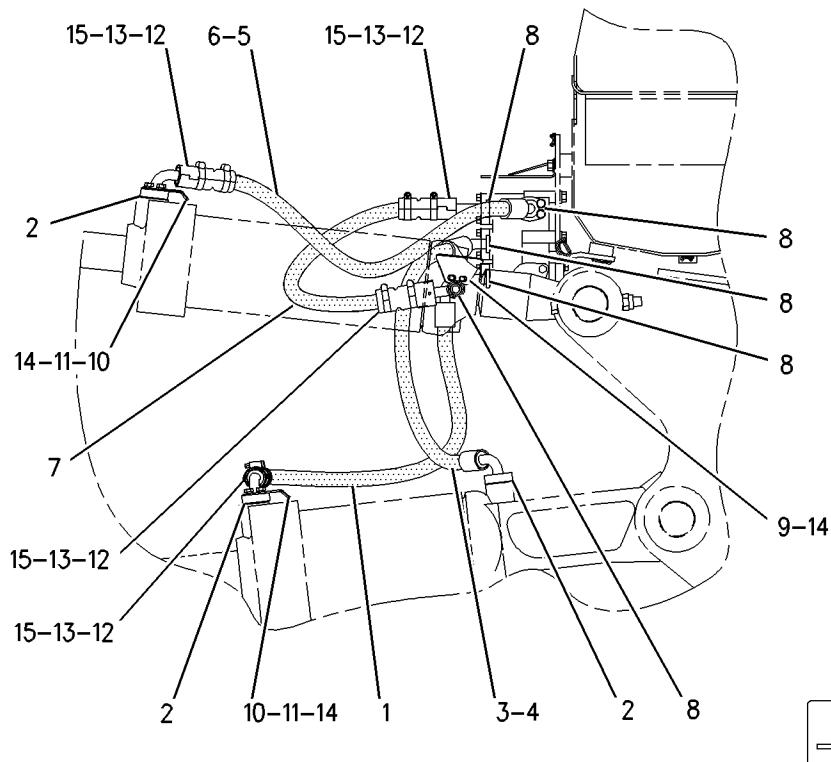
SMCS-5057, 5352, 5356

i01546840

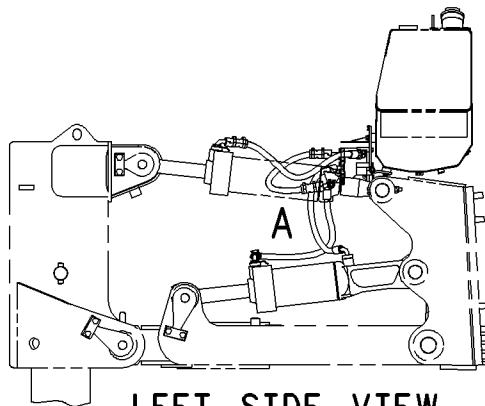
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
I	1	1	8E-5563	2	HOSE AS						
	2	1	4J-0520	6	SEAL-O-RING						
I	3	1	8E-5562	1	HOSE AS (RH)						
I	4	1	8E-5561	1	HOSE AS (LH)						
I	5	1	189-5606	1	HOSE AS (RH)						
I	6	1	189-5607	1	HOSE AS (LH)						
I	7	1	189-5605	2	HOSE AS						
	8	1	4J-5267	10	SEAL-O-RING						
	9	1	190-1475	2	SHIELD						
	10	1	139-2455	2	SHIELD-RH						
	11	1	139-2456	2	SHIELD-LH						
	12	1	130-1977	16	SHIELD						
	13	1	9M-2904	16	CLAMP-HOSE						
M	14	1	8T-4186	12	BOLT (M10X1.5X40MM)						
	15	1	130-9191	8	GROMMET						

I - SEE HOSE FABRICATION GUIDE

M - METRIC PART



VIEW OF AREA A



LEFT SIDE VIEW

GRAPHIC #1

g00804270

# HYDRAULIC SYSTEM

## 8E - 6579 LINES GP - TILT CYLINDER

S/N: 9EM1-UP

PART OF 8E-3039 CYLINDER AR-TILT  
AN ATTACHMENT

**SMCS-5057 , 5104**

**i01488348**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	<b>5S-8712</b>	4	BLOCK	
	2	1	<b>8E-6580</b>	1	TUBE AS	
	3	1	<b>8E-6581</b>	2	TUBE AS	
	4	1	<b>9W-0194</b>	1	GUARD AS	
I	5	1	<b>9W-0197</b>	2	HOSE AS	
M	6	1	<b>8T-7547</b>	12	BOLT (M8X1.25X30MM)	
I	7	1	<b>9W-0198</b>	2	HOSE AS	
M	8	1	<b>8T-7338</b>	6	BOLT (M16X2.0X45MM)	
	9	1	<b>9W-8681</b>	2	BRACKET	
	10	1	<b>106-1419</b>	1	GUARD AS-LH	
	11	1	<b>106-1420</b>	1	GUARD AS-RH	
I	12	1	<b>199-7077</b>	2	HOSE AS	
M	13	1	<b>8T-4910</b>	4	BOLT (M12X1.75X60MM)	
	14	1	<b>1P-4574</b>	4	FLANGE-HALF	
	15	1	<b>4J-5140</b>	2	SEAL-O-RING	
	16	1	<b>4J-5267</b>	10	SEAL-O-RING	
	17	1	<b>5P-7464</b>	2	CLIP (SLOT)	
	18	1	<b>5P-7465</b>	2	CLIP (TAB)	
	19	1	<b>6V-1249</b>	2	GROMMET	
	20	1	<b>8C-3205</b>	16	FLANGE-HALF	
	21	1	<b>8T-4121</b>	32	WASHER-HARD (11X21X2.5MM THK)	
	22	1	<b>8T-4122</b>	6	WASHER-HARD (17X32X3.5MM THK)	
M	23	1	<b>8T-4139</b>	2	BOLT (M12X1.75X30MM)	
M	24	1	<b>8T-4192</b>	4	BOLT (M12X1.75X25MM)	
M	25	1	<b>8T-4196</b>	32	BOLT (M10X1.5X35MM)	
	26	1	<b>8T-4223</b>	12	WASHER-HARD (13.5X25.5X3MM THK)	
	27	1	<b>8T-4224</b>	12	WASHER-HARD (8.8X16X2MM THK)	
M	28	1	<b>8T-4244</b>	2	NUT (M12X1.75 THD)	

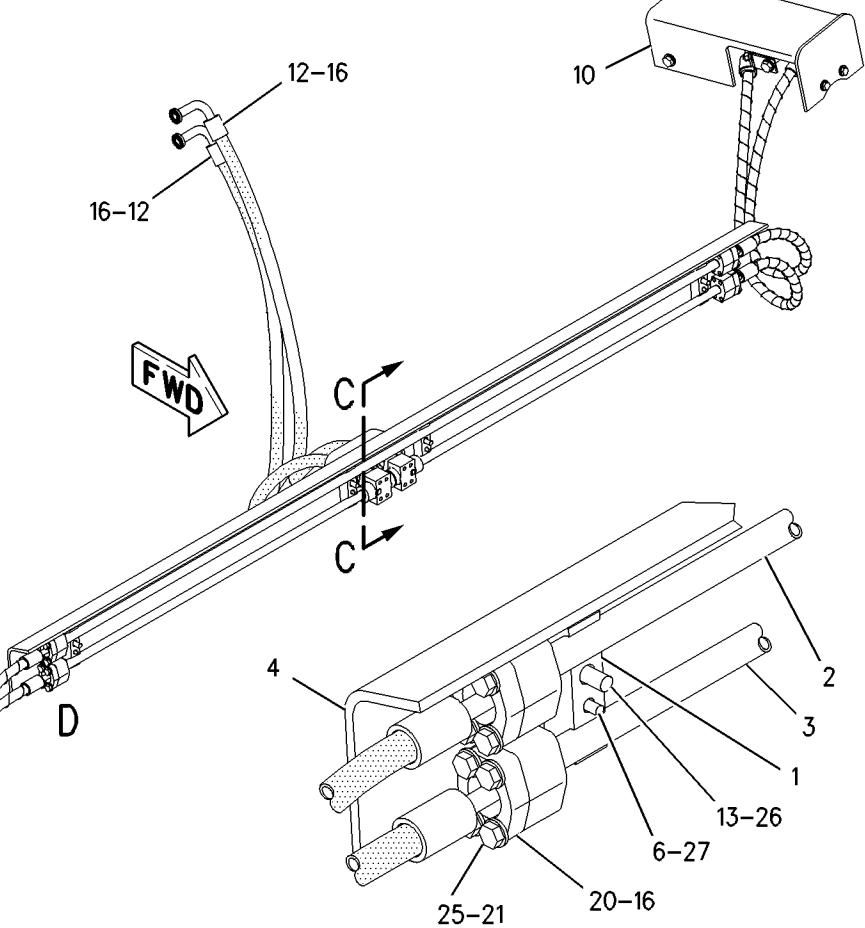
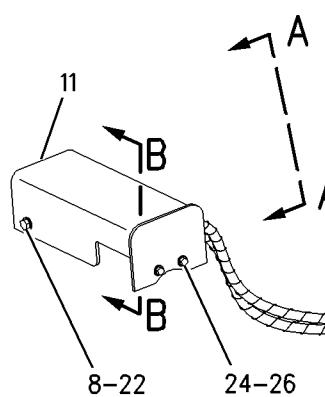
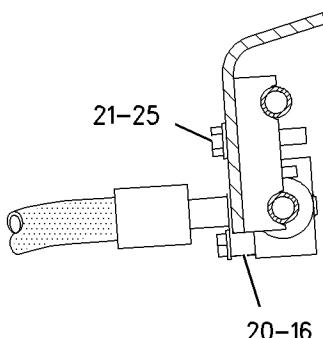
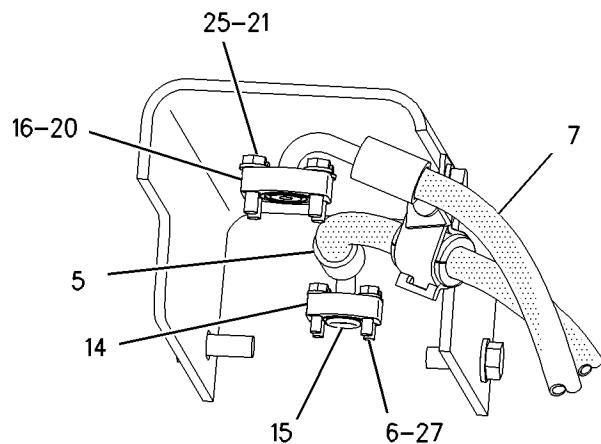
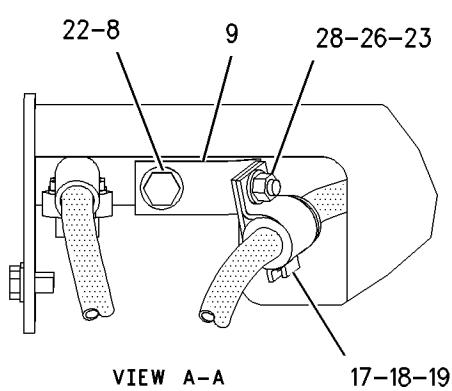
I - SEE HOSE FABRICATION GUIDE

M - METRIC PART

# HYDRAULIC SYSTEM

8E-6579 LINES GP-TILT CYLINDER (*contd.*)

i01488348



GRAPHIC #1

g00765292

# HYDRAULIC SYSTEM

## 115-6905 LINES GP-TILT CYLINDER

S/N: BHE1-UP; 9EM1-UP; 3MP1-UP

PART OF 119-0486 BULLDOZER AR, 111-8281 BULLDOZER AR-SEMI-UNIVERSAL, 111-8279  
BULLDOZER AR-UNIVERSAL  
AN ATTACHMENT

**SMCS-5057, 5104**

**i01310340**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
I	1	1	115-6931	1	HOSE AS						
I	2	1	115-6930	1	HOSE AS						
I	3	1	7T-9340	2	HOSE AS						
M	4	1	7X-2559	2	BOLT (M16X2.0X160MM)						
M	5	1	8T-4185	4	BOLT (M10X1.5X50MM)						
	6	1	8T-4121	40	WASHER-HARD (2.5MM THK)						
	7	1	9X-2027	4	WASHER (2MM THK)						
	8	1	8E-6183	1	TUBE AS						
	9	1	7T-9333	1	GUARD						
	10	1	8C-3205	20	FLANGE-HALF						
M	11	1	8T-4196	40	BOLT (M10X1.50X35MM)						
	12	1	4J-5267	13	SEAL-O-RING (24.99MM ID)						
M	13	1	8T-4956	6	BOLT (M12X1.75X35MM)						
	14	1	8E-6184	2	PLATE-COVER						
	15	1	5P-1076	11	WASHER-HARD (4MM THK)						
I	16	1	7T-9341	2	HOSE AS						
	17	1	3G-7168	1	GUARD						
M	18	1	8T-6385	2	BOLT (M16X2.0X180MM)						
	19	1	8T-4122	8	WASHER (3.5MM THK)						
M	20	1	8T-4132	2	NUT (M16X2.0 THD)						
M	21	1	8T-4139	3	BOLT (M12X1.75X30MM)						
	22	1	6Y-1768	1	GUARD AS						
M	23	1	8T-4183	2	BOLT (M12X1.75X40 MM)						
M	24	1	8T-4778	2	LOCKNUT (M16X2.00 THD)						

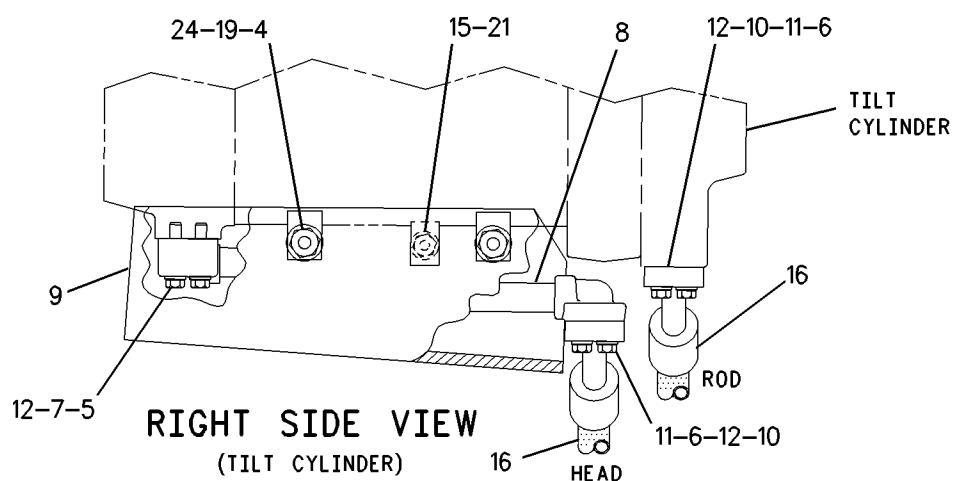
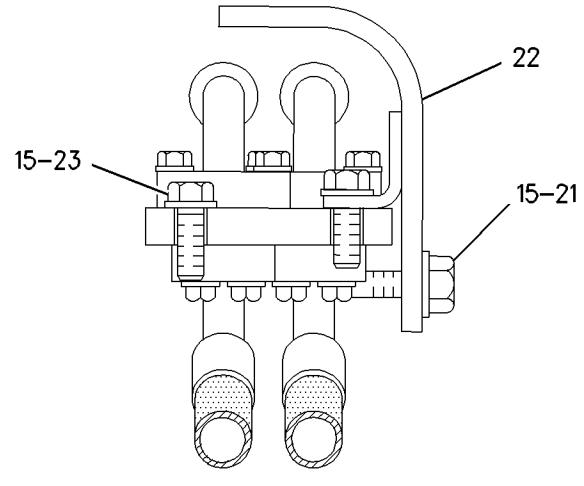
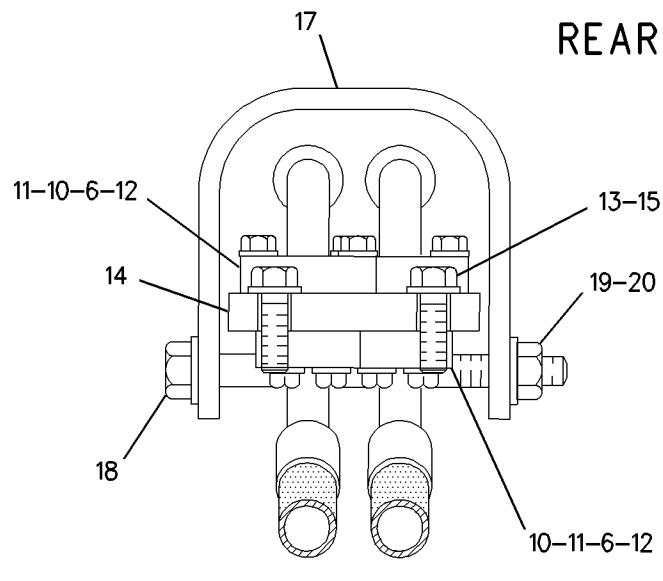
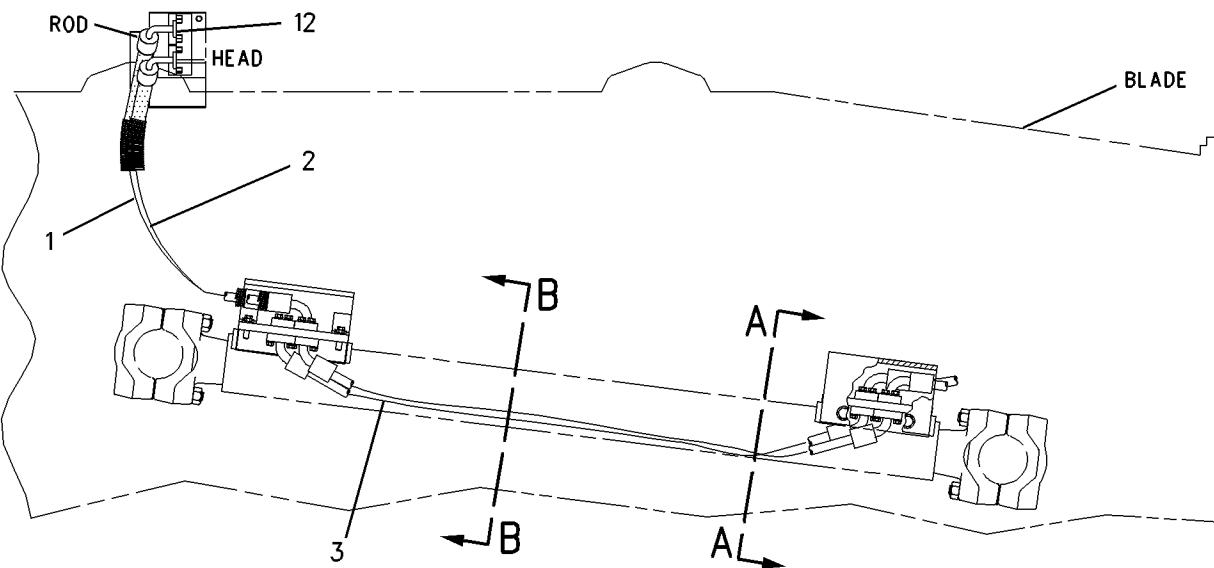
I - SEE HOSE FABRICATION GUIDE

M - METRIC PART

# HYDRAULIC SYSTEM

115-6905 LINES GP-TILT CYLINDER (*contd.*)

i01310340



GRAPHIC #1

g00660140

# HYDRAULIC SYSTEM

## 116-7810 LINES GP-TILT CYLINDER

S/N: 9EM1-UP

SMCS-5057, 5104

i00570841

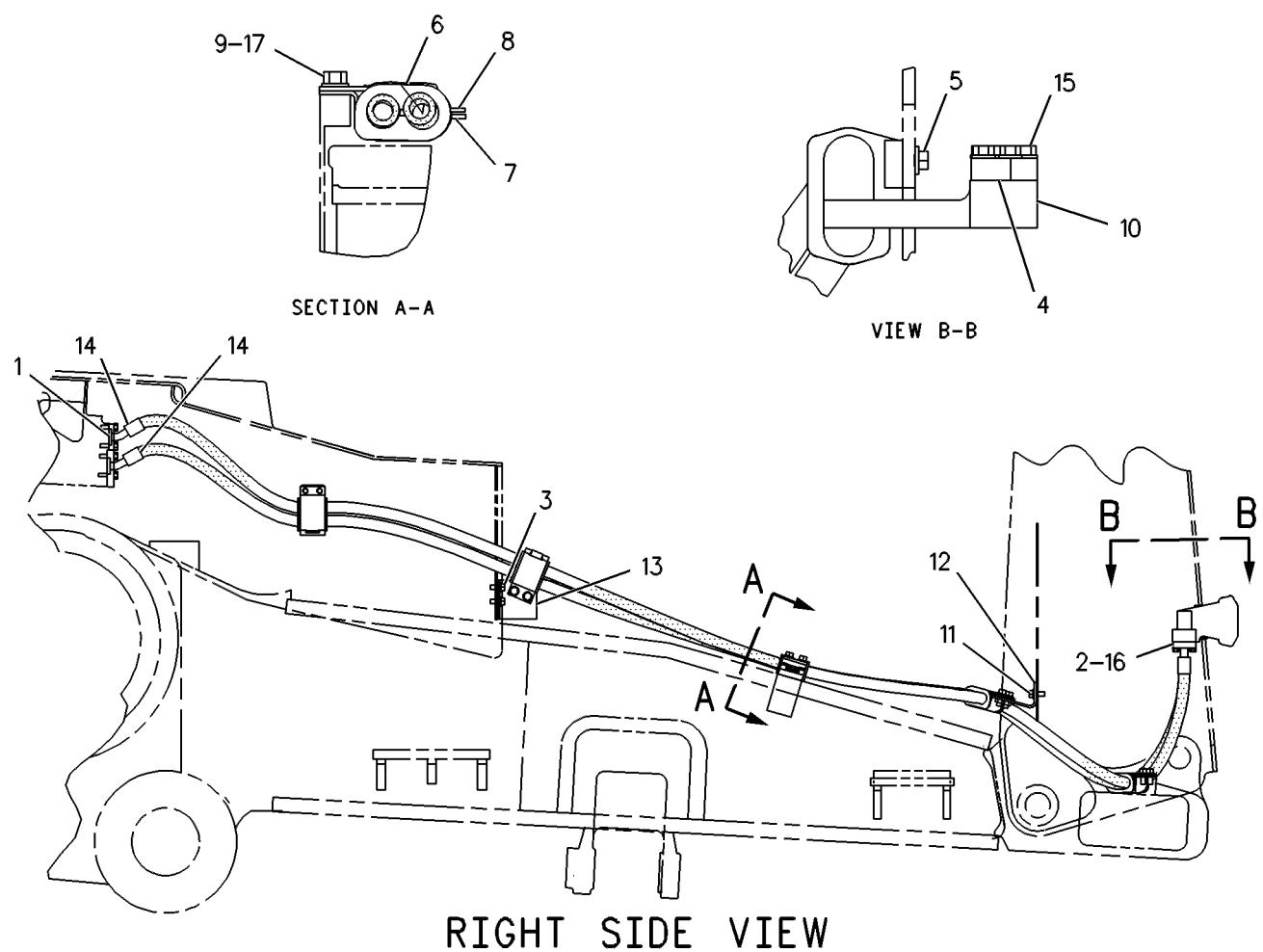
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6	
1	1		<b>4J-0520</b>	2	SEAL-O-RING (32.92MM ID)	
2	1		<b>4J-5267</b>	4	SEAL-O-RING (24.99MM ID)	
3	1		<b>5C-6565</b>	4	BOLT (1/2-13X1.25IN)	
4	1		<b>5H-4018</b>	2	COVER	
5	1		<b>5P-1075</b>	2	WASHER-HARD (3MM THK)	
	1		<b>4L-6454</b>	2	BOLT (3/8-16X1.0IN)	
6	1		<b>7G-3832</b>	5	GROMMET	
7	1		<b>7G-3833</b>	5	CLIP (TAB)	
8	1		<b>7G-3834</b>	5	CLIP (SLOT)	
9	1		<b>8C-4436</b>	4	BOLT (1/2-13X1.375IN)	
10	1		<b>8E-8916</b>	1	MANIFOLD	
11	1		<b>8T-8917</b>	6	BOLT (1/2-13X1.25IN)	
12	1		<b>9W-3162</b>	1	BRACKET AS	
13	1		<b>132-5535</b>	1	BRACKET AS	
	1		<b>1F-0748</b>	2	NUT-WELD (1/2-13 THD)	
I	14	1	<b>116-7808</b>	2	HOSE AS	
	15	1	<b>5S-7382</b>	16	BOLT (3/8-16X1.375IN)	
	1		<b>8T-4896</b>	16	WASHER-HARD (2.5MM THK)	
16	1		<b>1P-4576</b>	8	FLANGE	
17	1		<b>8T-4223</b>	14	WASHER-HARD (3MM THK)	

I - SEE HOSE FABRICATION GUIDE

# HYDRAULIC SYSTEM

116-7810 LINES GP-TILT CYLINDER (*contd.*)

i00570841



GRAPHIC #1

g00257012

# HYDRAULIC SYSTEM

## 201-5703 LINES GP-TILT CYLINDER

S/N: 9TP1-UP

PART OF 159-1631 BULLDOZER AR  
AN ATTACHMENT

**SMCS-5057, 5104**

**i01496538**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	7T-9333	1	GUARD	
I	2	1	7T-9341	2	HOSE AS	
	3	1	9X-8257	2	WASHER (17.5X30X3.5MM THK)	
	4	1	8E-6183	1	TUBE AS	
	5	1	9W-2877	3	CLAMP	
	6	1	158-6400	2	TUBE AS	
	7	1	158-7686	1	GUARD	
I	8	1	199-7078	1	HOSE AS	
I	9	1	199-7079	1	HOSE AS	
	10	1	201-5696	2	GUARD	
	11	1	4J-5267	9	SEAL-O-RING	
	12	1	5P-1076	13	WASHER-HARD (13.5X30X4MM THK)	
M	13	1	7X-2559	2	BOLT (M16X2X160MM)	
	14	1	8C-3205	12	FLANGE-HALF	
	15	1	8T-4121	27	WASHER-HARD (11X21X2.5MM THK)	
	16	1	8T-4122	4	WASHER-HARD (17X32X3.5MM THK)	
M	17	1	8T-4139	13	BOLT (M12X1.75X30MM)	
M	18	1	8T-4185	4	BOLT (M10X1.5X50MM)	
M	19	1	8T-4195	3	BOLT (M10X1.5X30MM)	
M	20	1	8T-4196	24	BOLT (M10X1.5X35MM)	
M	21	1	8T-4778	2	LOCKNUT (M16X2 THD)	
M	22	1	8T-4779	2	BOLT (M16X2X35MM)	
	23	1	9X-2027	4	WASHER (11X18X2MM THK)	

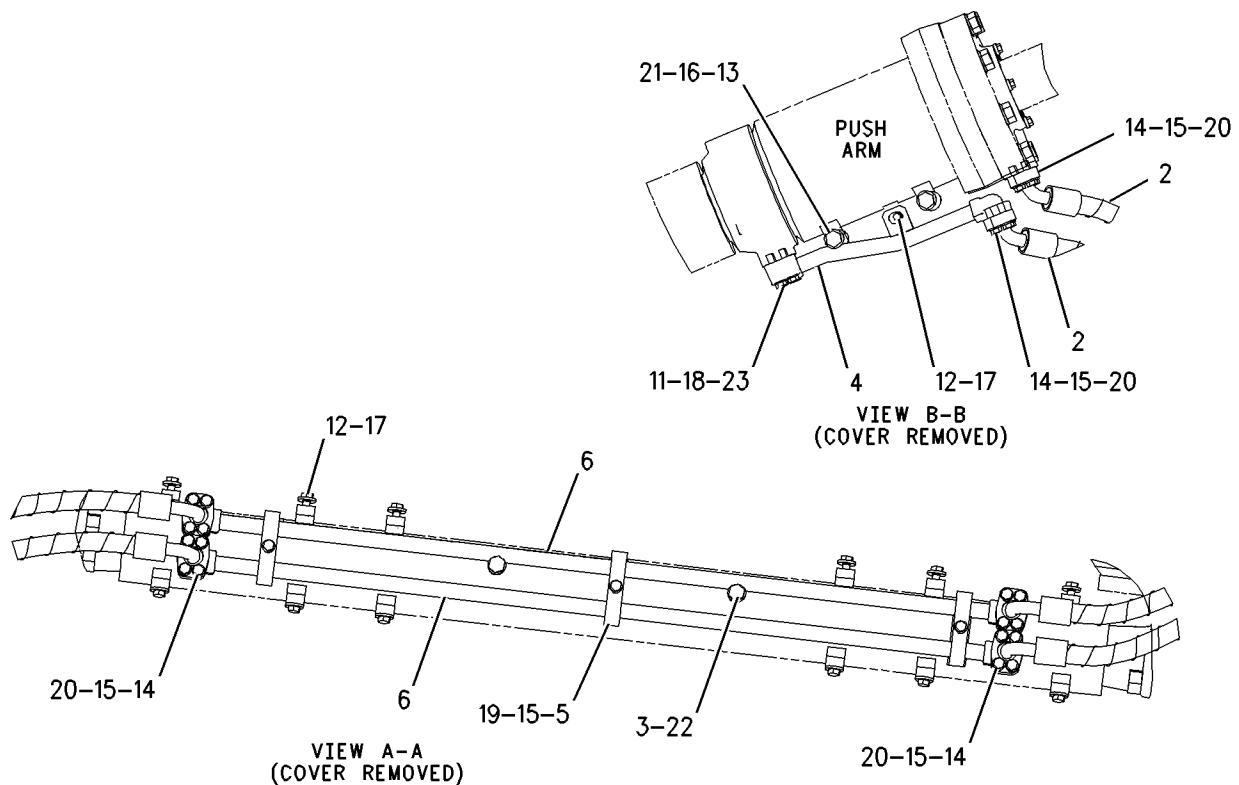
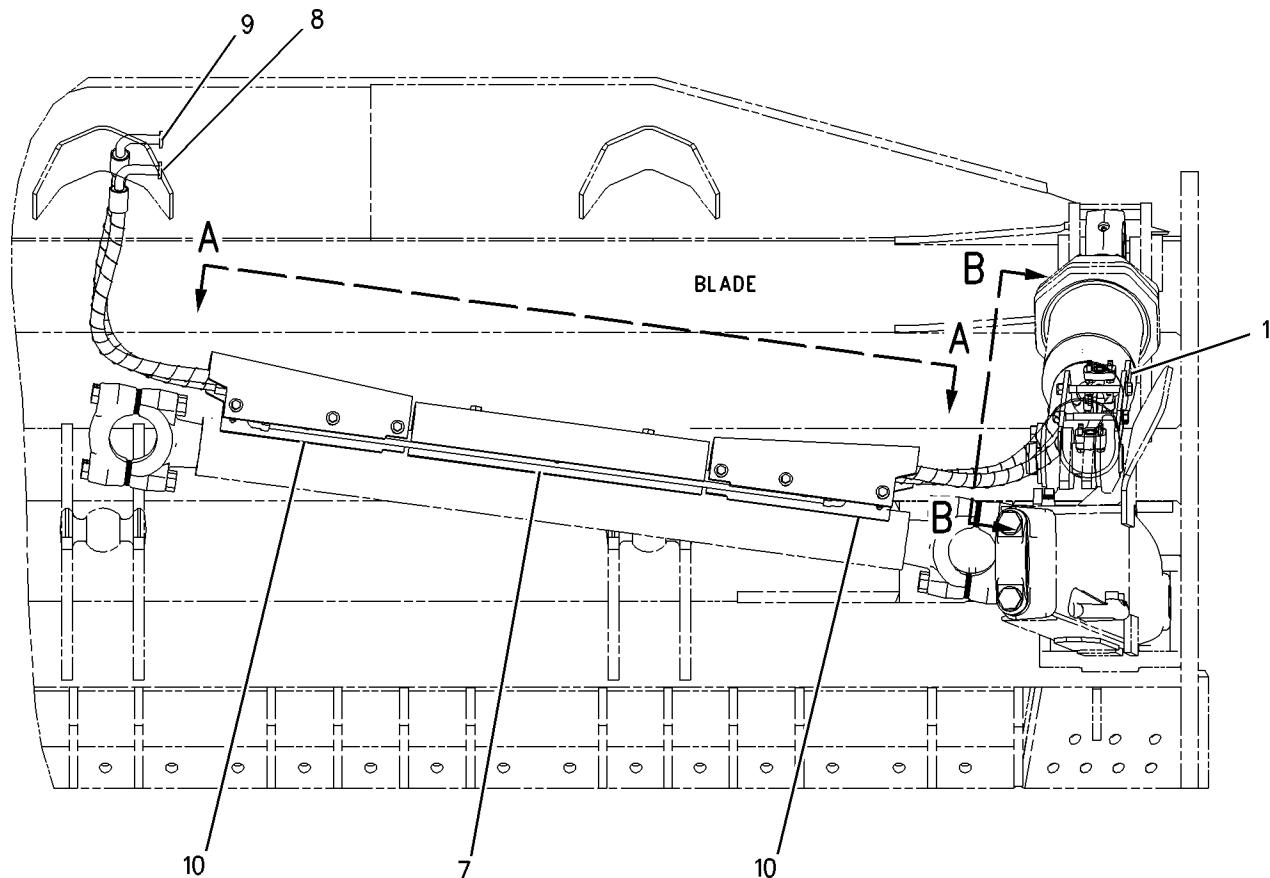
I - SEE HOSE FABRICATION GUIDE

M - METRIC PART

## **HYDRAULIC SYSTEM**

## **201-5703 LINES GP-TILT CYLINDER (contd.)**

i01496538



## GRAPHIC #1

g00777773

# HYDRAULIC SYSTEM

## 9T-8345 MOTOR GP-PISTON

S/N: 9EM1-782

PART OF 6Y-4857 CONTROL AR-HYDRAULIC

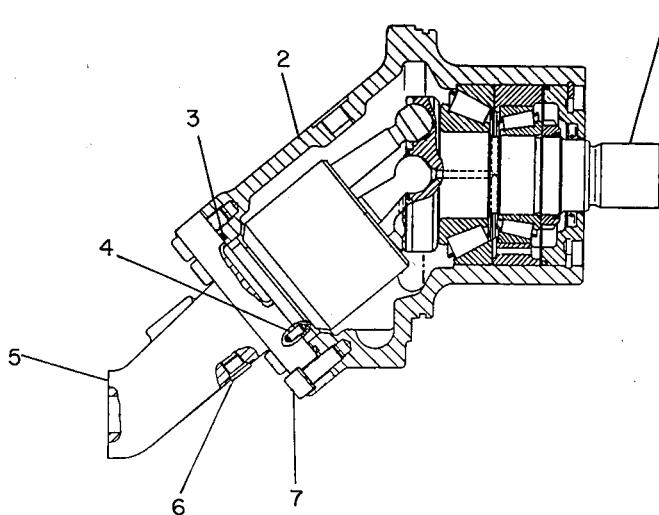
SMCS-5058

i00755469

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	6E-4091	1	ROTATING GP-MOTOR						838
	2	1	6E-4092	1	HOUSING						
	3	1	6V-1197	1	SEAL-O-RING (98.02MM ID)						
	4	1	8T-4231	1	DOWEL						
	5	1	6E-2505	1	HEAD						
	6	1	9S-8004	2	PLUG-O-RING (9/16-18 THD)						
		1	3J-1907	2	SEAL-O-RING (11.89MM ID)						
M	7	1	8T-3957	6	BOLT-HEX SOCKET (M12X1.75X30MM)						
		1	9T-2005	6	WASHER						

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00215867

# HYDRAULIC SYSTEM

## 159-7162 MOTOR GP - PISTON

S/N: 9EM783-UP

PART OF 6Y-4857 CONTROL AR-HYDRAULIC

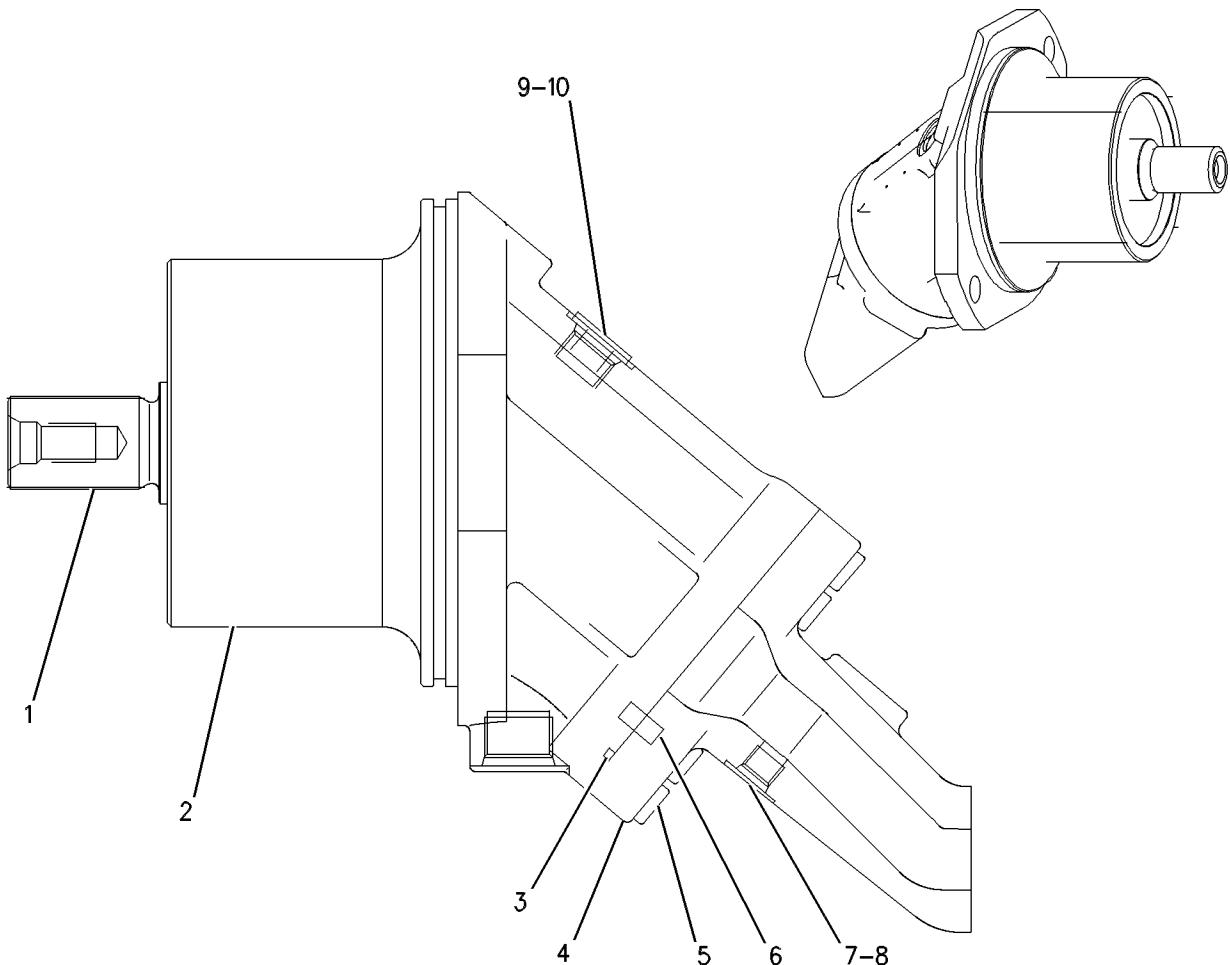
SMCS-5058

i01219329

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
Y	1	1	171-3052	1	ROTATING GP-MOTOR							840
	2	1	6E-4092	1	HOUSING							
	3	1	6V-1197	1	SEAL-O-RING (98.02MM ID)							
	4	1	6E-2505	1	HEAD							
M	5	1	8T-3957	6	BOLT-HEX SOCKET (M12X1.75X30MM)							
	6	1	8T-4231	1	DOWEL							
	7	1	9S-8004	2	PLUG-O-RING (9/16-18 THD)							
	8	1	3J-1907	2	SEAL-O-RING (11.89MM ID)							
	9	1	9S-8006	1	PLUG-O-RING (7/8-14 THD)							
	10	1	2M-9780	1	SEAL-O-RING (19.18MM ID)							

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00605348

# HYDRAULIC SYSTEM

## 6Y-3525 MOUNTING GP - VALVE

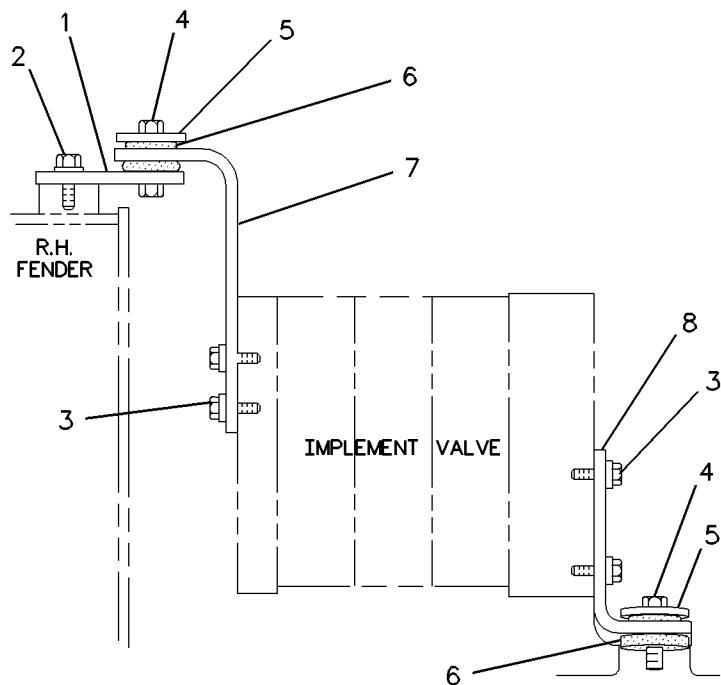
S/N: 9EM1-UP

HYDRAULIC

SMCS-5051

i01065723

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		6Y-5227	1	PLATE AS						
2	1		8C-4436	2	BOLT						
	1		5P-1076	2	WASHER						
3	1		8T-2502	4	BOLT						
	1		5P-1075	4	WASHER						
4	1		8T-4835	4	BOLT						
5	1		7G-8839	4	SPACER (6MM THK)						
6	1		7T-8332	4	MOUNTING						
7	1		6Y-5228	1	PLATE						
8	1		8E-2228	1	PLATE AS						



GRAPHIC #1

g00215768

# HYDRAULIC SYSTEM

## 6E-4386 PUMP GP-GEAR

S/N: 9EM1-UP

1 SECTION

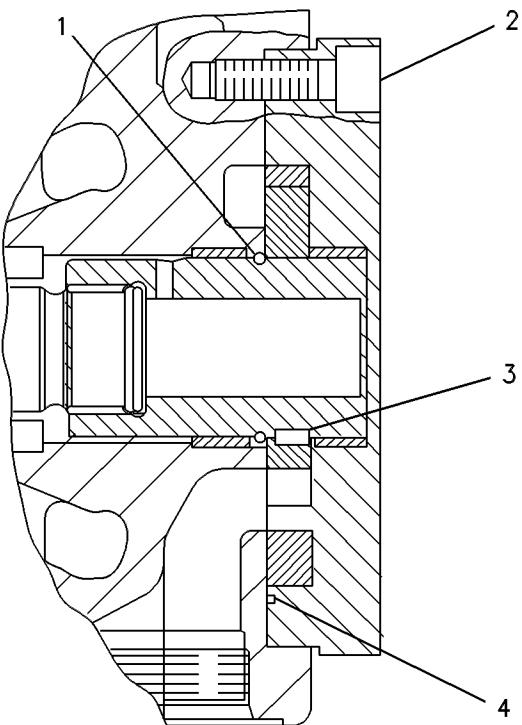
PART OF 6E-1661 PUMP GP-PISTON

SMCS-5073, 5084

i00570769

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	3E-4949	1	RING-RETAINING	
M	2	1	6V-8200	4	BOLT-HEX SOCKET (M12X1.75X35MM)	
	3	1	3E-4950	1	KEY-SQUARE	
	4	1	8C-5237	1	SEAL-O-RING (127.37MM ID)	

M-METRIC PART



GRAPHIC #1

g00250332

# HYDRAULIC SYSTEM

## 183-8403 PUMP GP-GEAR

S/N: 9EM1-UP

1 SECTION

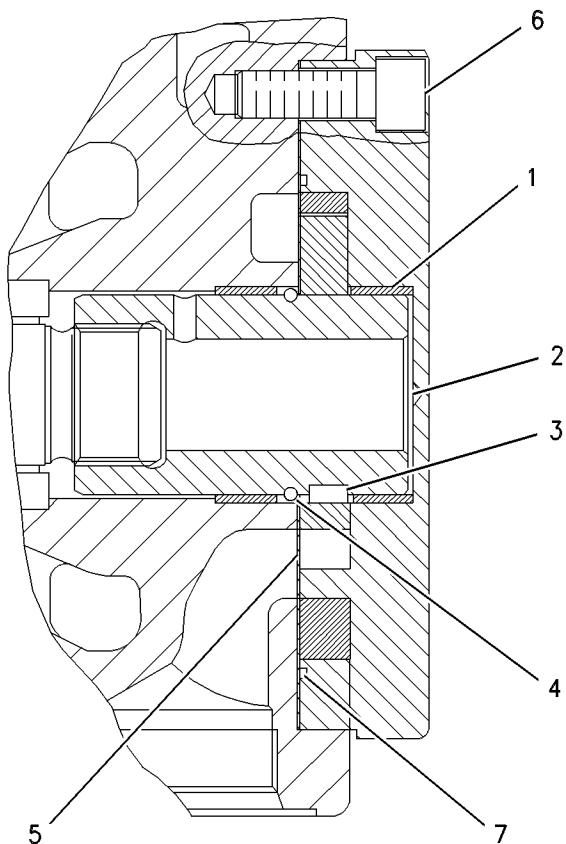
PART OF 139-4151 PUMP GP-PISTON

SMCS-5073, 5084

i01320696

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		183-8416	1	BUSHING						
2	1		183-8405	1	SHAFT						
3	1		183-8406	1	KEY						
4	1		183-8408	1	RING-RETAINING						
5	1		144-9088	1	PLATE-WEAR						
M	6	1	6V-8200	4	BOLT-HEX SOCKET (M12X1.75X35MM)						
	7	1	8C-5237	1	SEAL-O-RING (127.37MM ID)						

M-METRIC PART



GRAPHIC #1

g00664399

# HYDRAULIC SYSTEM

## 6E-1661 PUMP GP-PISTON

S/N: 9EM1-UP

PART OF 6Y-4857 CONTROL AR-HYDRAULIC

**SMCS-5070**

**i01029737**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		<b>6E-4351</b>	1	PIN							
2	1		<b>9T-3929</b>	2	PLUG AS (EACH INCLUDES)							
	1		<b>6E-5479</b>	1	SEAL							
3	1		<b>9S-8004</b>	3	PLUG-O-RING (9/16-18 THD)							
	1		<b>3J-1907</b>	3	SEAL-O-RING (11.89MM ID)							
4	1		<b>6E-4614</b>	2	PIN							
5	1		<b>3E-2314</b>	1	PLUG-PIPE							
6	1		<b>6E-4350</b>	1	PIN							
7	1		<b>9S-8005</b>	1	PLUG-O-RING (3/4-16 THD)							
	1		<b>3K-0360</b>	1	SEAL-O-RING (16.36MM ID)							
8	1		<b>6E-5095</b>	1	VALVE GP-SERVO							
M	9	1	<b>3E-8001</b>	1	SETSCREW							
	1		<b>6E-4385</b>	1	LOCKNUT-SEAL							
10	1		<b>9S-9334</b>	1	PLUG (1 5/16-12 THD)							
	1		<b>7M-8485</b>	1	SEAL-O-RING (29.74MM ID)							
Y	11	1	<b>6E-4356</b>	1	ROTATING GP-PUMP							844
Y	12	1	<b>6E-4407</b>	1	ACTUATOR GP-PISTON PUMP							740
13	1		<b>6E-4384</b>	1	PLUG-BREAK OFF							
14	1		<b>9S-8006</b>	1	PLUG-O-RING (7/8-14 THD)							
	1		<b>2M-9780</b>	1	SEAL-O-RING (19.18MM ID)							
15	1		<b>6E-4349</b>	1	PIN							
16	1		<b>6V-1250</b>	1	SEAL-O-RING (39.34MM ID)							
17	1		<b>096-6095</b>	1	PLUG							
	1		<b>8C-5193</b>	1	SEAL-O-RING							
18	1		<b>6E-4355</b>	1	RING							
19	1		<b>6E-4352</b>	1	PLUG-ORIFICE							
20	1		<b>6E-4353</b>	1	CONNECTOR							
21	1		<b>6V-8352</b>	1	SEAL-O-RING							
Y	22	1	<b>6E-4386</b>	1	PUMP GP-GEAR							829
Y	23	1	<b>6E-4379</b>	1	HEAD GP-PUMP							784
24	1		<b>6E-4347</b>	1	HOUSING							
25	1		<b>6E-4348</b>	1	COVER							
M	26	1	<b>6V-8202</b>	8	BOLT-HEX SOCKET (M8X1.25X16MM)							
27	1		<b>9X-7566</b>	1	SEAL-O-RING (120.32MM ID)							
28	1		<b>2D-6392</b>	1	SEAL-O-RING (6.07MM ID)							
29	1		<b>6V-0894</b>	1	SEAL-O-RING (29.87MM ID)							
30	1		<b>6M-5062</b>	5	SEAL-O-RING (10.82MM ID)							
31	1		<b>111-8896</b>	1	GASKET							

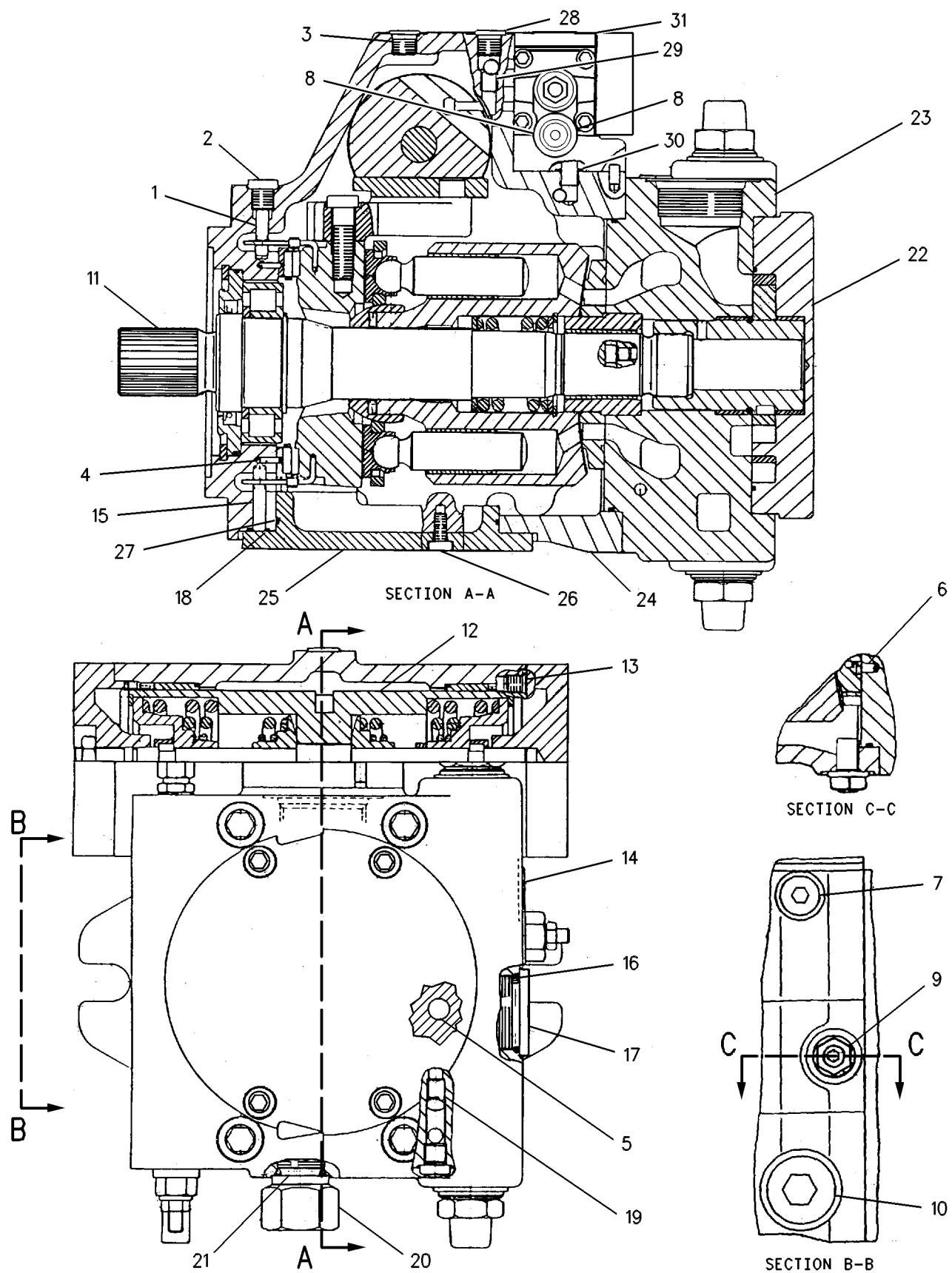
M-METRIC PART

Y-SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

6E-1661 PUMP GP-PISTON (contd.)

i01029737



GRAPHIC #1

g00531524

# HYDRAULIC SYSTEM

## 9T-8346 PUMP GP-PISTON\*R

S/N: 9EM1-UP

SMCS-5070

i01502173

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE	
					1 2 3 4 5 6 (PRODUCT LEVEL)		
	1	1	<b>6E-4248</b>	1	SHAFT-GOVERNOR CONTROL		
	2	1	<b>6E-4237</b>	1	BEARING		
	3	1	<b>6E-4224</b>	1	PLUG-SWASHPLATE		
		1	<b>033-6036</b>	1	SEAL-O-RING		
Y	4	1	<b>6E-4221</b>	1	SWASHPLATE GP		848
	5	1	<b>6E-4247</b>	1	HEAD-LH		
	6	1	<b>9T-1699</b>	1	SPRING		
	7	1	<b>9T-1710</b>	1	POPPET		
	8	1	<b>9T-1636</b>	1	SEAT		
	9	1	<b>6E-4227</b>	1	COVER		
M	10	1	<b>6V-8837</b>	3	BOLT (M6X1X16 MM)		
	11	1	<b>4F-4097</b>	1	SEAL-O-RING		
	12	1	<b>6E-4236</b>	1	BEARING		
M	13	1	<b>3E-4302</b>	2	SCREW-FLAT HEAD (M4X0.7X10MM)		
	14	1	<b>6E-2943</b>	1	PLUG		
	15	1	<b>095-0888</b>	2	PIN-SPRING		
B	16	1	<b>103-6282</b>	1	SHIM PACK (INCLUDES 17 SHIMS)		
M	17	1	<b>8T-0343</b>	3	BOLT-SOCKET HEAD (M12X1.75X55MM)		
	18	1	<b>9S-4190</b>	1	PLUG-O-RING		
		1	<b>033-6027</b>	1	SEAL-O-RING		
	19	1	<b>6L-8797</b>	2	RING-RETAINING		
Y	20	1	<b>6E-6044</b>	1	VALVE GP-PRESS & FLOW CMPNSTR (PUMP OUTLET CONTROL)		876
M	21	1	<b>3E-8007</b>	1	BOLT-SOCKET HEAD (M12X1.75X90MM)		
	22	1	<b>8T-5039</b>	3	SEAL-O-RING		
M	23	1	<b>6V-8337</b>	4	BOLT-SOCKET HEAD (M8X1.25X35MM)		
	24	1	<b>6E-4245</b>	1	HOUSING		
	25	1	<b>7K-8876</b>	1	CUP-ROLLER BEARING		
		1	<b>7K-8877</b>	1	CONE-ROLLER BEARING		
	26	1	<b>6E-4213</b>	1	KIT-BIAS PISTON (INCLUDES SPRING, ROD, PISTON & PACKING)		
		27	<b>6E-4214</b>	1	SPRING-BIAS		
Y	28	1	<b>6E-4216</b>	1	ROTATING GP-PUMP		842
	29	1	<b>6E-4225</b>	1	GASKET		
	30	1	<b>7L-9061</b>	2	SEAL-O-RING		
	31	1	<b>3E-7417</b>	4	PLUG (M10X1 THD)		
		1	<b>8T-7876</b>	4	SEAL-O-RING		
	32	1	<b>9X-7547</b>	2	SEAL-LIP		
	33	1	<b>6E-4234</b>	1	PLATE-VALVE-LH		
	34	1	<b>005-0471</b>	1	CONE-BEARING		
		1	<b>005-0469</b>	1	CUP-ROLLER BEARING		
	35	1	<b>6E-4215</b>	1	KIT-PISTON (INCLUDES PACKING, ROD & PISTON)		
M	36	1	<b>3E-8008</b>	1	BOLT-SOCKET HEAD (M16X2X90MM)		
	37	1	<b>6E-4321</b>	1	SPACER		
	38	1	<b>9T-1652</b>	1	PIN		
	39	1	<b>104-4183</b>	1	SCREW-SOCKET		

B-USE AS REQUIRED

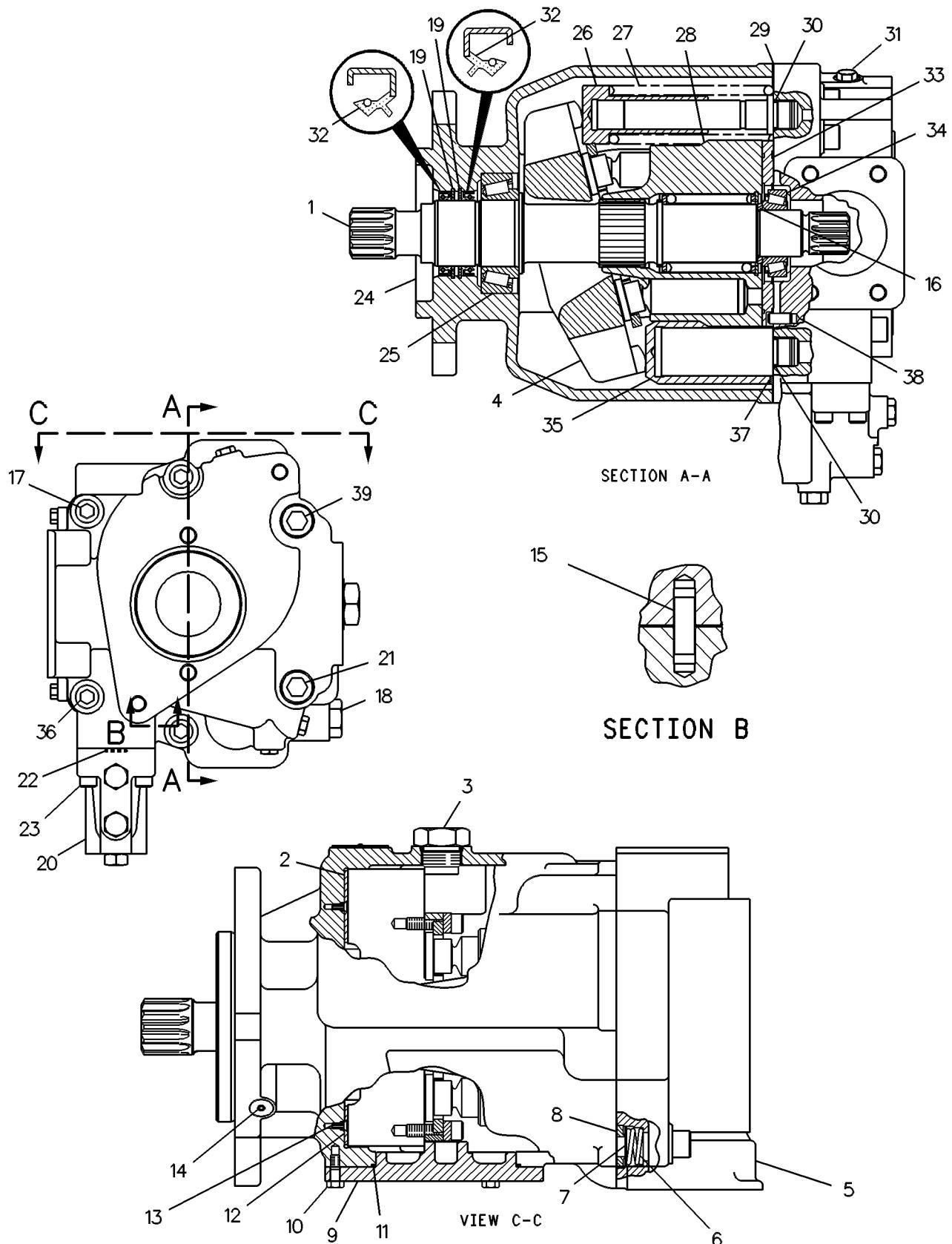
M-METRIC PART

Y-SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

9T-8346 PUMP GP-PISTON (contd.)

i01502173



GRAPHIC #1

g00264278

# HYDRAULIC SYSTEM

## 139-4151 PUMP GP-PISTON

S/N: 9EM898-UP

SLIPPER

PART OF 6Y-4857 CONTROL AR-HYDRAULIC

**SMCS-5070**

**i01318908**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
Y	1	1	183-8388	1	VALVE GP-SERVO	532
Y	2	1	183-8403	1	PUMP GP-GEAR	830
Y	3	1	183-8414	1	HEAD GP-PUMP	786
Y	4	1	183-8430	1	ACTUATOR GP-PISTON PUMP	742
Y	5	1	183-8445	1	ROTATING GP-PUMP	846
	6	1	183-8454	1	HOUSING	
	7	1	096-6095	1	PLUG	
	8	1	123-7582	1	PIN-THREADED	
	9	1	135-8854	3	PLUG	
	10	1	137-3780	2	PLUG	
	11	1	2M-9780	1	SEAL-O-RING (19.18MM ID)	
	12	1	3J-1907	4	SEAL-O-RING (11.89MM ID)	
	13	1	6E-4350	1	PIN	
	14	1	6E-4351	2	PIN	
	15	1	6E-4352	1	PLUG-ORIFICE	
	16	1	6E-4353	1	CONNECTOR	
M	17	1	6E-4385	1	LOCKNUT-SEAL (M12 THD)	
	18	1	6E-4614	2	PIN	
	19	1	6V-5326	1	SEAL-O-RING (23.47MM ID)	
	20	1	6V-9028	3	SEAL-O-RING (9.40MM ID)	
	21	1	7M-8485	1	SEAL-O-RING (29.74MM ID)	
	22	1	8C-5193	1	SEAL-O-RING	
	23	1	8T-7876	2	SEAL-O-RING (8.2MM ID)	
	24	1	9S-8004	4	PLUG-O-RING (9/16-18 THD)	
	25	1	9S-8006	1	PLUG-O-RING (7/8-14 THD)	
	26	1	9S-9334	1	PLUG (1 5/16-12 THD)	

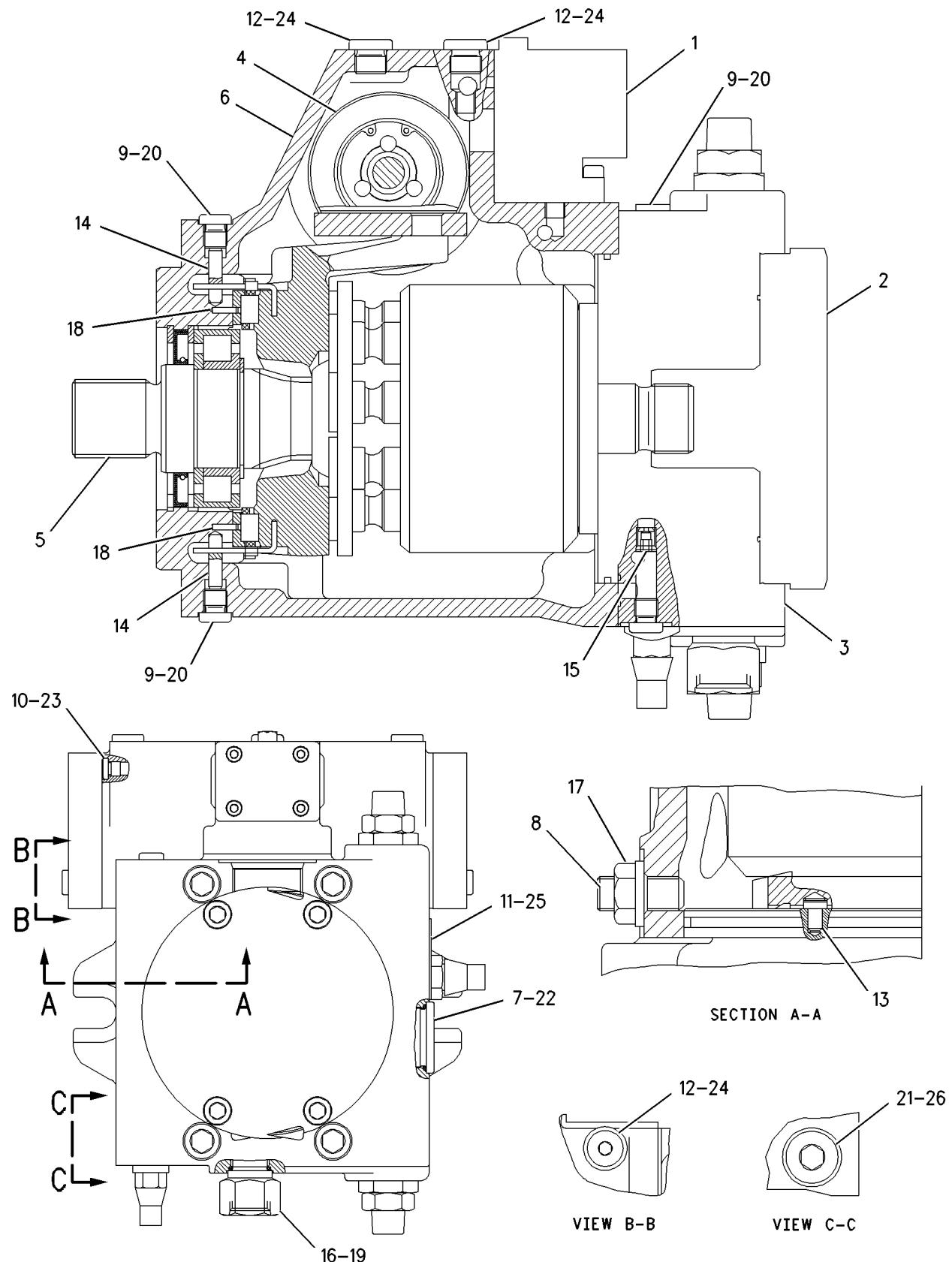
M-METRIC PART

Y-SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

139-4151 PUMP GP-PISTON (contd.)

i01318908



GRAPHIC #1

g00662911

# HYDRAULIC SYSTEM

## 6E-4091 ROTATING GP-MOTOR

S/N: 9EM1-782

PART OF 9T-8345 MOTOR GP-PISTON

**SMCS-5058**

**i01030437**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	<b>6E-4626</b>	14	RING	
	2	1	<b>6V-3326</b>	1	RING-RETAINING	
	3	1	<b>6E-4094</b>	1	SHAFT-DRIVE	
	4	1	<b>9T-1642</b>	1	PLATE-RETAINING	
	5	1	<b>6E-4097</b>	7	PISTON	
	6	1	<b>5D-5958</b>	1	SEAL-O-RING	
	7	1	<b>9T-2281</b>	6	SPRING	
	8	1	<b>9T-1647</b>	1	PIN-CENTER	
	9	1	<b>6E-4096</b>	1	BARREL	
Y	10	1	<b>6E-4095</b>	1	VALVE GP-FLUSHING	522
B	11	1	<b>9T-1576</b>	2	SHIM (0.1MM THK)	
B		1	<b>9T-1579</b>	1	SHIM (0.3MM THK)	
	12	1	<b>6E-4098</b>	1	DISC	
	13	1	<b>9T-1637</b>	1	COVER-FRONT	
	14	1	<b>123-5748</b>	1	SEAL-SHAFT	
B	15	1	<b>119-6117</b>	1	SPACER (9.6MM THK)	
B		1	<b>119-6118</b>	1	SPACER (9.7MM THK)	
B		1	<b>119-6119</b>	1	SPACER (9.8MM THK)	
B		1	<b>119-6120</b>	1	SPACER (9.9MM THK)	
	16	1	<b>9W-2107</b>	1	CONE-ROLLER BEARING	
		1	<b>9W-2108</b>	1	CUP-ROLLER BEARING	
	17	1	<b>9W-2103</b>	1	CONE-ROLLER BEARING	
		1	<b>9W-2104</b>	1	CUP-ROLLER BEARING	
M	18	1	<b>113-4420</b>	7	SCREW (M6X20MM)	
	19	1	<b>9T-1643</b>	1	DISC-RETAINING	
	20	1	<b>9T-2004</b>	1	LOCKNUT-BEARING	
	21	1	<b>9T-1638</b>	1	RING-BEARING	

B-USE AS REQUIRED

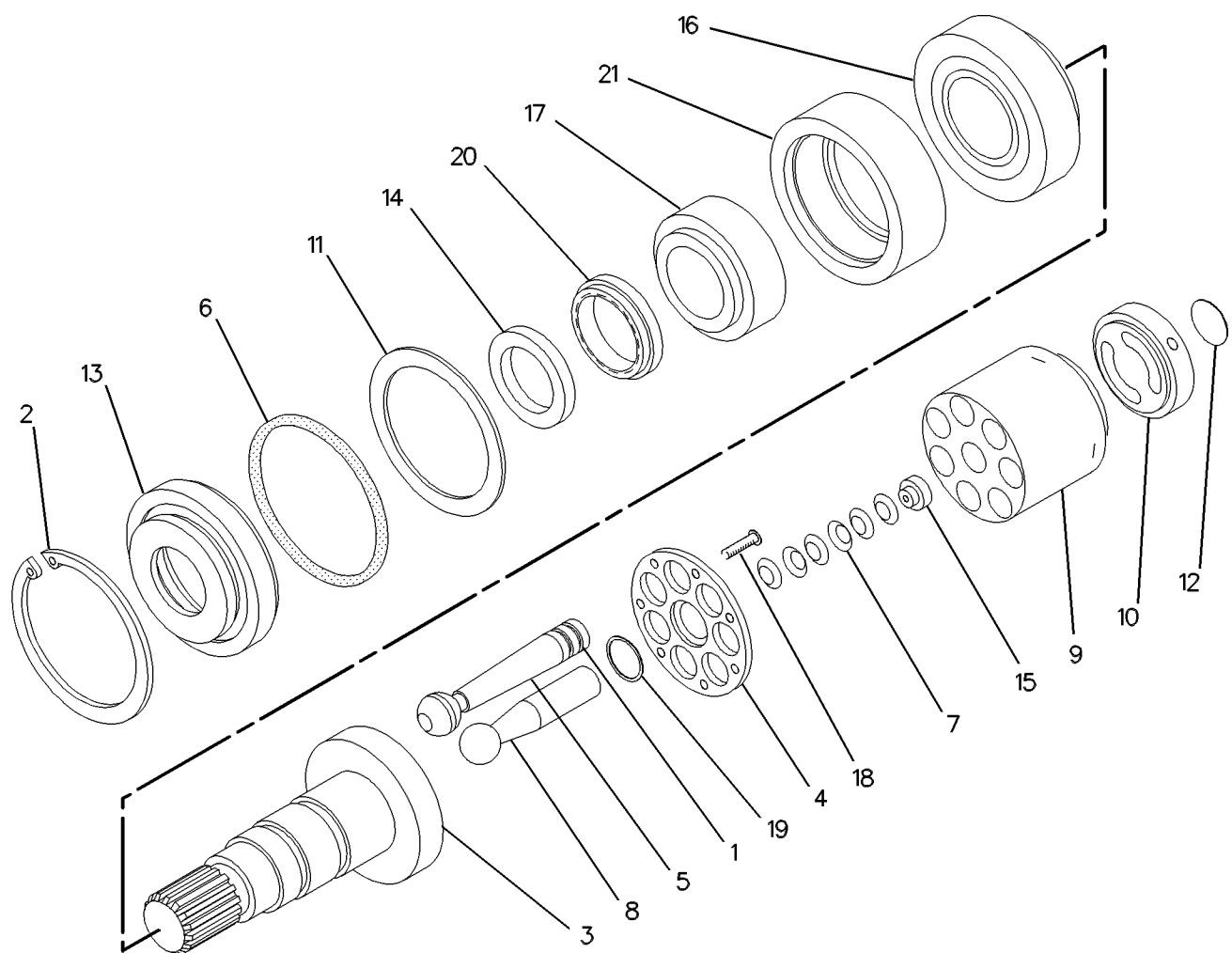
M-METRIC PART

Y-SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

6E-4091 ROTATING GP-MOTOR (*contd.*)

i01030437



GRAPHIC #1

g00536718

# HYDRAULIC SYSTEM

## 171-3052 ROTATING GP-MOTOR

S/N: 9EM783-UP

PART OF 159-7162 MOTOR GP-PISTON

SMCS-5058

i01219345

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		<b>171-3068</b>	1	SHAFT -MOTOR							
2	1		<b>123-5748</b>	1	SEAL -SHAFT							
3	1		<b>9T-1637</b>	1	COVER -FRONT							
4	1		<b>3E-4334</b>	1	RING -RETAINING							
5	1		<b>5D-5958</b>	1	SEAL -O-RING							
B	6	1	<b>9T-1579</b>	1	SHIM (0.3MM THK)							
B	7	1	<b>9T-1576</b>	2	SHIM (0.1MM THK)							
M	8	1	<b>113-4420</b>	7	SCREW (M6X20MM)							
	9	1	<b>6E-4096</b>	1	BARREL							
	10	1	<b>171-3054</b>	1	PIN -CENTER							
	11	1	<b>171-3061</b>	1	SPRING							
B	12	1	<b>171-3055</b>	1	SHIM (4.0MM THK)							
B	13	1	<b>171-3057</b>	1	SHIM (3.9MM THK)							
B	14	1	<b>171-3058</b>	1	SHIM (3.8MM THK)							
B	15	1	<b>171-3059</b>	1	SHIM (3.7MM THK)							
B	16	1	<b>171-3060</b>	1	SHIM (3.6MM THK)							
	17	1	<b>6E-4098</b>	1	DISC							
Y	18	1	<b>119-6114</b>	1	VALVE GP -FLUSHING							523
	19	1	<b>165-6970</b>	7	PISTON AS							
					(EACH INCLUDES)							
		1	<b>6E-4626</b>	2	RING							
	20	1	<b>9T-1642</b>	1	PLATE -RETAINING							
	21	1	<b>171-5989</b>	1	KIT -BEARING							

B-USE AS REQUIRED

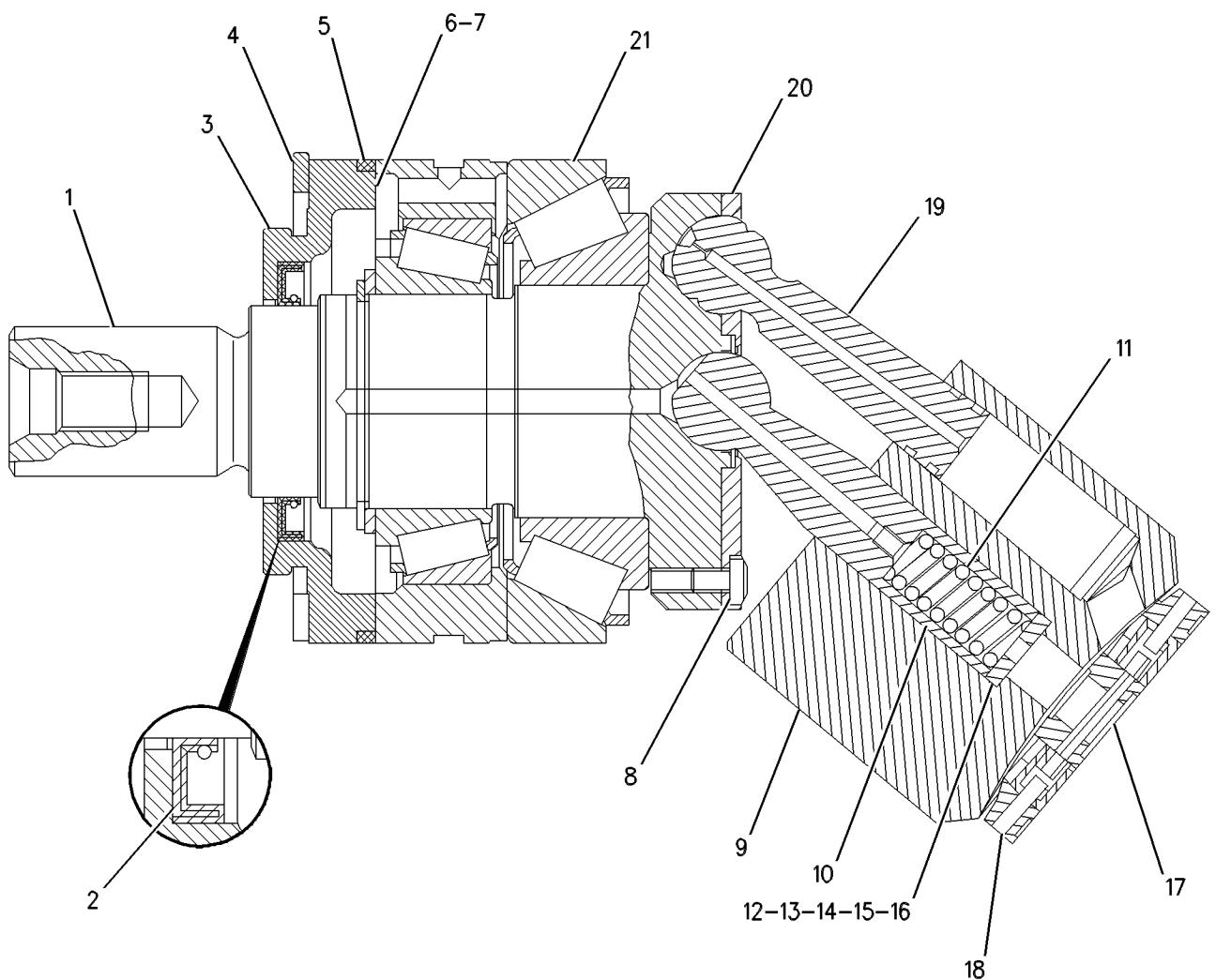
M-METRIC PART

Y-SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

171-3052 ROTATING GP-MOTOR (*contd.*)

i01219345



GRAPHIC #1

g00604999

# HYDRAULIC SYSTEM

## 6E-4216 ROTATING GP-PUMP

S/N: 9EM1-UP

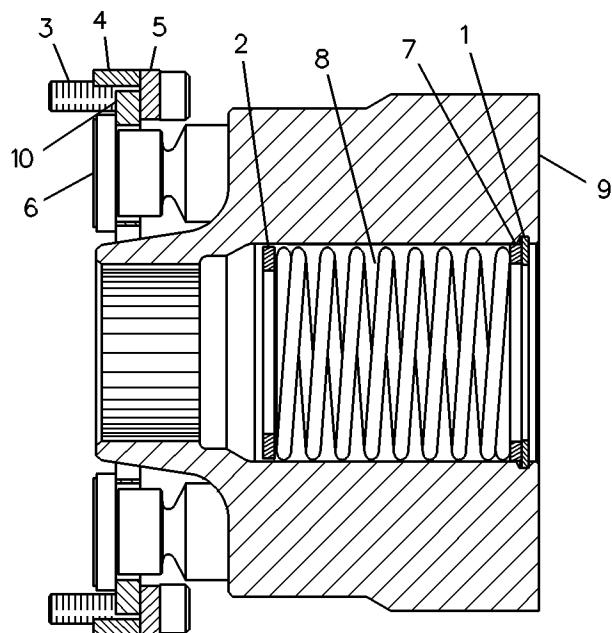
PART OF 9T-8346 PUMP GP-PISTON

SMCS-5070

i00570734

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		9T-4906	1	RING-RETAINING						
2	1		6E-4219	1	GUIDE						
M	3	1	6V-5192	4	BOLT-SOCKET HEAD (M8X1.25X30MM)						
4	1		6E-4218	2	PLATE-SPACER						
5	1		6E-4217	2	PLATE-LIMITER						
6	1		9T-8452	9	PISTON						
7	1		9T-8445	1	GUIDE						
8	1		9T-8446	1	SPRING						
9	1		9T-8448	1	BARREL						
10	1		9T-8450	1	PLATE-RETAINING						

M-METRIC PART



GRAPHIC #1

g00083062

# HYDRAULIC SYSTEM

## 6E-4356 ROTATING GP-PUMP

S/N: 9EM1-UP

PART OF 6E-1661 PUMP GP-PISTON

SMCS-5070

i00570738

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
	1	1	<b>6E-4357</b>	1	BARREL AS							
	2	1	<b>6E-4361</b>	1	SHAFT							
	3	1	<b>6E-4358</b>	9	PISTON AS							
Y	4	1	<i>6E-4375</i>	1	SWASHPLATE GP							849
	5	1	<b>6E-4373</b>	1	SPRING							
	6	1	<b>9X-2858</b>	1	RING-RETAINING							
	7	1	<b>6E-4372</b>	1	SPACER							
	8	1	<b>6E-4371</b>	1	SPACER							
	9	1	<b>6E-4369</b>	1	RETAINER							
B	10	1	<b>6E-4364</b>	1	SHIM (1.2 MM THK)							
B		1	<b>6E-4365</b>	1	SHIM (1.0 MM THK)							
B		1	<b>6E-4366</b>	1	SHIM (.8 MM THK)							
B		1	<b>6E-4367</b>	1	SHIM (.6 MM THK)							
	11	1	<b>6E-4374</b>	1	BEARING							
	12	1	<b>8T-7567</b>	1	RING							
	13	1	<b>6E-1572</b>	1	SEAL-SHAFT							
	14	1	<b>6E-4368</b>	1	PLATE-RETRACTION							
	15	1	<b>6E-4360</b>	1	SPRING							
	16	1	<b>6E-4363</b>	2	ROD							
	17	1	<b>6E-4370</b>	1	GUIDE							
	18	1	<b>6V-1197</b>	1	SEAL-O-RING (98.02MM ID)							
	19	1	<b>6E-1571</b>	1	BEARING AS							
	20	1	<b>6E-4362</b>	1	RETAINER-SEAL							
	21	1	<b>8T-4241</b>	1	RING-RETAINING (44.8MM ID)							

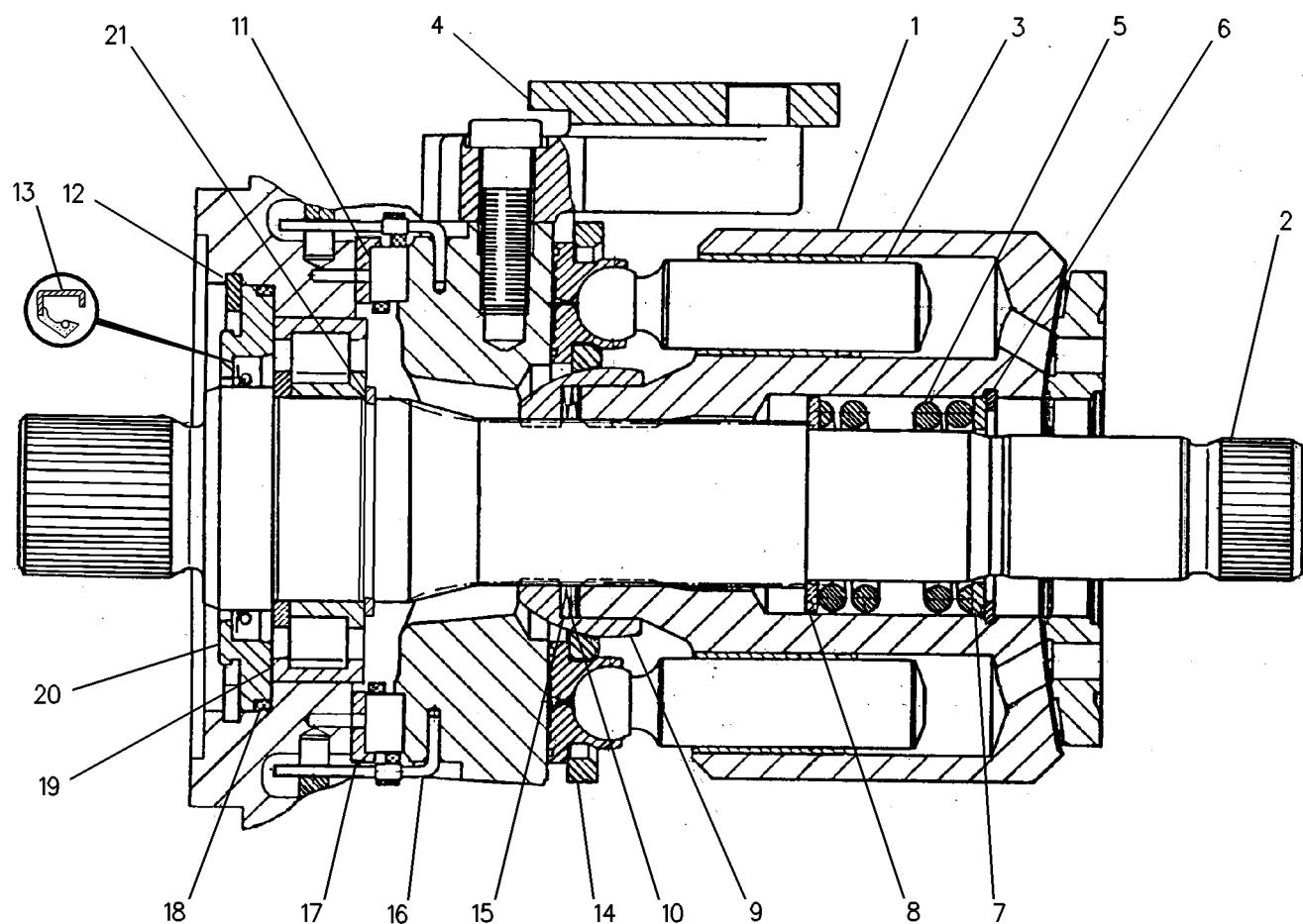
B-USE AS REQUIRED

Y-SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

6E-4356 ROTATING GP-PUMP (*contd.*)

i00570738



GRAPHIC #1

g00228701

# HYDRAULIC SYSTEM

## 183-8445 ROTATING GP-PUMP

S/N: 9EM1-UP

PART OF 139-4151 PUMP GP-PISTON

SMCS-5070

i01320703

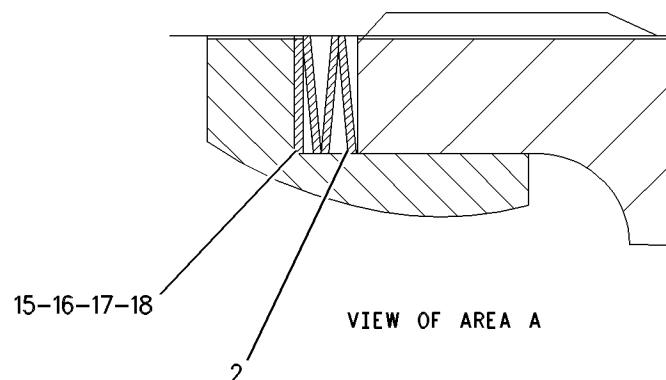
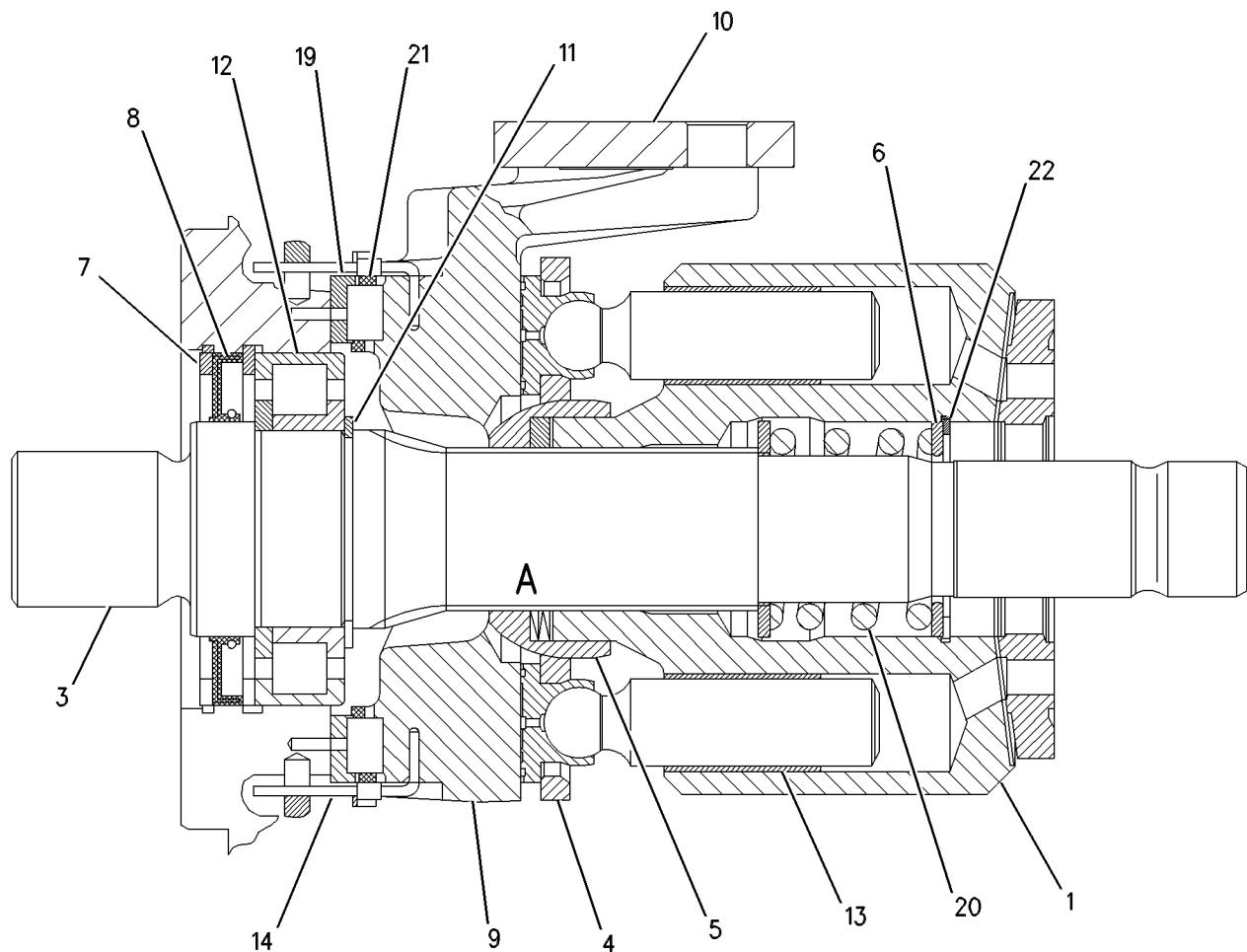
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		183-8446	1	BARREL AS						
2	1		183-8447	1	SPRING						
3	1		183-8448	1	SHAFT						
4	1		183-8449	1	PLATE						
5	1		183-8450	1	BALL						
6	1		183-8451	2	WASHER						
7	1		183-8452	2	RING-RETAINING						
8	1		183-8453	1	RING-SEAL						
9	1		122-6606	1	SWASHPLATE						
10	1		122-6607	1	LEVER						
11	1		141-0243	1	RING-SNAP						
12	1		6E-1571	1	BEARING AS (CYLINDRICAL ROLLER)						
13	1		6E-4358	9	PISTON AS						
14	1		6E-4363	2	ROD						
B	15	1	6E-4364		SHIM (1.2MM)						
B	16	1	6E-4365		SHIM (1.0MM)						
B	17	1	6E-4366		SHIM (.8MM)						
B	18	1	6E-4367		SHIM (.6MM)						
19	1		6E-4370	1	GUIDE						
20	1		6E-4373	1	SPRING						
21	1		6E-4374	1	BEARING						
22	1		9X-2858	1	RING-RETAINING						

B-USE AS REQUIRED

# HYDRAULIC SYSTEM

183-8445 ROTATING GP - PUMP (*contd.*)

i01320703



GRAPHIC #1

g00664404

# HYDRAULIC SYSTEM

## 6E-4221 SWASHPLATE GP

S/N: 9EM1-UP

PART OF 9T-8346 PUMP GP-PISTON

SMCS-5070

i01502175

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
	139-0532	2	BLOCK-STOP						
	8F-7219	2	SEAL-O-RING						

# HYDRAULIC SYSTEM

## 6E-4375 SWASHPLATE GP

S/N: 9EM1-UP

VARIABLE

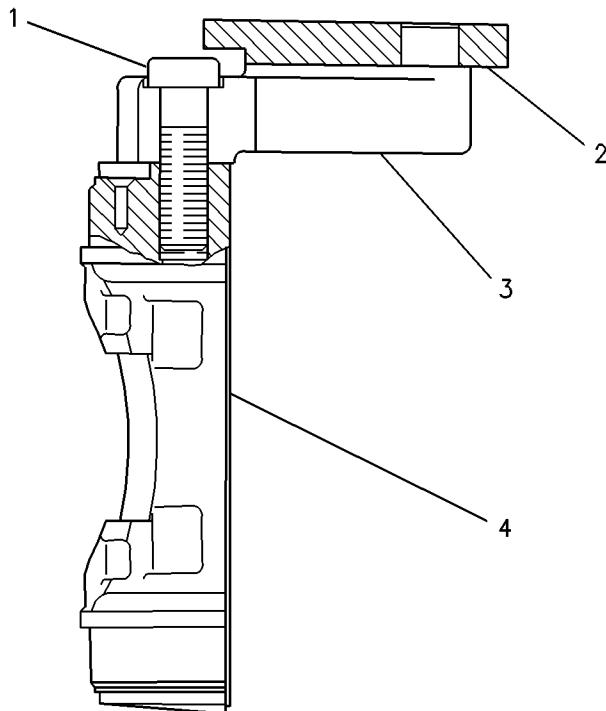
PART OF 6E-4356 ROTATING GP-PUMP

SMCS-5070

i00570744

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	8T-3957	1	BOLT-HEX SOCKET (M12X1.75X30MM)						
	2	1	6E-4378	1	RING						
	3	1	6E-4377	1	LEVER						
	4	1	6E-4376	1	SWASHPLATE						

M-METRIC PART



GRAPHIC #1

g00228705

# HYDRAULIC SYSTEM

## 6E-1716 TANK & FILTER GP-HYDRAULIC

S/N: 9EM1-782

PART OF 6Y-4857 CONTROL AR-HYDRAULIC

**SMCS-5056, 5068**

**i01142760**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	<b>5D-7927</b>	1	STRAINER AS (HYDRUALIC TANK FILL)	
	2	1	<b>6H-9361</b>	1	RING-RETAINING	
	3	1	<b>2D-4202</b>	1	PLATE	
	4	1	<b>8T-2275</b>	1	BALL	
	5	1	<b>7H-1447</b>	1	CAP-FILLER (HYDRAULIC)	
	6	1	<b>9H-6454</b>	1	GASKET (50.80MM ID)	
M	7	1	<b>6V-7744</b>	79	LOCKNUT (M10X1.50 THD)	
	8	1	<b>6V-5839</b>	14	WASHER (2.5MM THK)	
	9	1	<b>8T-3298</b>	1	SEAL-RECTANGULAR (51.7MM ID)	
	10	1	<b>1U-2827</b>	1	GUIDE-VALVE	
	11	1	<b>7B-3039</b>	1	SPRING	
	12	1	<b>8J-8783</b>	1	VALVE	
	13	1	<b>8J-8782</b>	1	BODY-DRAIN VALVE	
	14	1	<b>5M-2057</b>	1	SEAL-O-RING (34.59MM ID)	
	15	1	<b>9J-7031</b>	1	PLUG-DRAIN	
	16	1	<b>4M-6921</b>	1	WASHER-SPRING	
	17	1	<b>4H-1225</b>	1	WASHER (6.0MM THK)	
	18	1	<b>9J-1979</b>	1	RETAINER AS	
	19	1	<b>7D-1195</b>	1	SEAL-O-RING (56.52MM ID)	
M	20	1	<b>8C-0573</b>	1	STUD-TAPERLOCK	
	21	1	<b>9S-4182</b>	1	PLUG (7/16-20 THD)	
		1	<b>3J-7354</b>	1	SEAL-O-RING (8.92MM ID)	
	22	1	<b>4J-8252</b>	1	GLASS	
	23	1	<b>6E-2060</b>	1	COVER AS	
	24	1	<b>5H-6733</b>	1	SEAL-O-RING (139.07MM ID)	
	25	1	<b>6E-1725</b>	1	TUBE AS	
	26	1	<b>2H-6124</b>	1	SEAL-O-RING	
	27	1	<b>1R-0735</b>	1	ELEMENT AS-HYDRAULIC (HYDRAULIC-DISPOSABLE) -OR-	
A	1		<b>104-6931</b>	1	ELEMENT-FILTER (HYD.-FIRE RESISTANT FLUID) -OR-	
A	1		<b>139-1537</b>	1	FILTER ELEMENT-HYDRAULIC (HIGHER PERFORMANCE)	
C	28	1	<b>106-5706</b>	1	BRACKET	
	29	1	<b>6E-1752</b>	1	SCREEN	
M	30	1	<b>6V-7732</b>	7	BOLT (M10X1.5X25MM)	
C	31	1	<b>106-5705</b>	1	BRACKET	
M	32	1	<b>6V-8097</b>	4	BOLT (M12X1.75X30MM)	
	33	1	<b>1L-4349</b>	1	SPRING	
	34	1	<b>9J-1985</b>	1	TUBE AS	
	35	1	<b>9J-1986</b>	1	FLANGE	
	36	1	<b>9J-1988</b>	1	VALVE	
	37	1	<b>6E-2059</b>	1	HOUSING	
	38	1	<b>6E-1721</b>	1	TANK AS	
	39	1	<b>8F-4994</b>	1	SEAL-O-RING (23.16MM ID)	
	40	1	<b>6E-1744</b>	1	TUBE AS	
C	41	1	<b>105-8043</b>	1	TANK AS	
M	42	1	<b>6V-4248</b>	60	BOLT (M10X1.50X25MM)	
	43	1	<b>9M-7394</b>	1	LEVER	
	44	1	<b>8T-8919</b>	8	BOLT (1/2-13X1.75IN)	
		1	<b>8T-4223</b>	8	WASHER-HARD (3MM THK)	
	45	1	<b>6E-4795</b>	1	BRACKET	
	46	1	<b>3G-4783</b>	1	VALVE-BREATHER	
		1	<b>3D-2824</b>	1	SEAL-O-RING (23.47MM ID)	
	47	1	<b>9L-9132</b>	2	WASHER (2.5MM THK)	
	48	1	<b>8T-8916</b>	4	BOLT (7/16-14X1.5IN)	
		1	<b>8T-5360</b>	4	WASHER (2.5MM THK)	

# HYDRAULIC SYSTEM

**6E-1716 TANK & FILTER GP - HYDRAULIC (contd.)**

i01142760

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
BD	49	1	5P-9119	1	SEALANT (2.2 M)							
	50	1	9T-0714	1	PLATE							
	51	1	8J-6913	1	RETAINER-GLASS							
	52	1	4J-8251	1	GROMMET							
	53	1	1P-4577	2	FLANGE-HALF							
	54	1	1P-4578	2	FLANGE							
	55	1	1P-4584	2	FLANGE-HALF							
	56	1	5S-7382	4	BOLT (3/8-16X34.92)							
		1	8T-4896	4	WASHER-HARD (2.5MM THK)							
M	57	1	6V-3822	4	BOLT (M10X1.5X35MM)							
	58	1	8E-3790	1	PLATE AS							
		1	7V-4240	1	BLOCK							
	59	1	5D-1911	1	COVER-HYDRAULIC CAP							
	60	1	2J-7761	1	RING-RETAINING							
	61	1	1L-5072	1	DOWEL							

A-NOT PART OF THIS GROUP

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

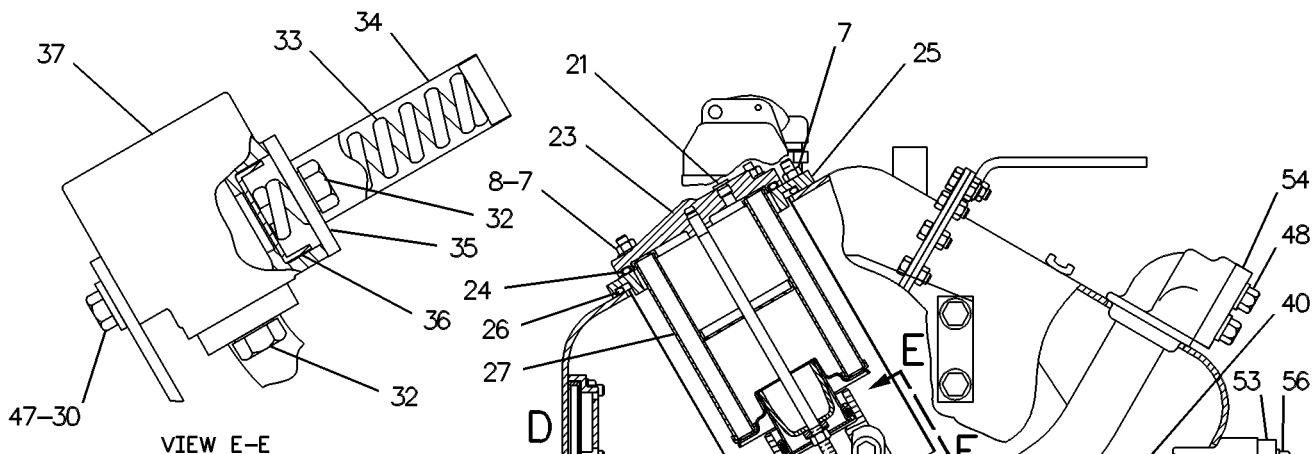
D-ORDER BY THE METER

M-METRIC PART

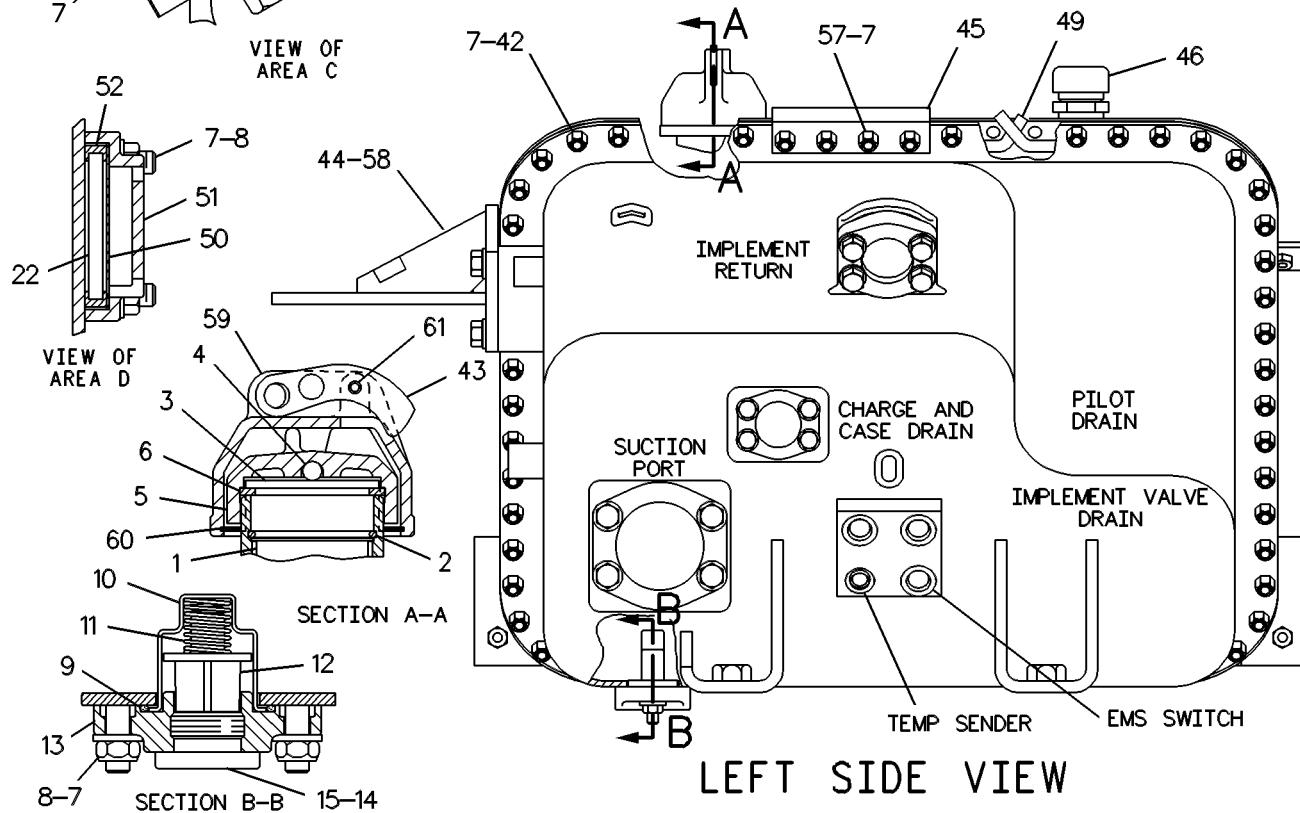
# HYDRAULIC SYSTEM

6E-1716 TANK & FILTER GP-HYDRAULIC (contd.)

i01142760



FRONT VIEW



LEFT SIDE VIEW

GRAPHIC #1

g00254882

# HYDRAULIC SYSTEM

## 164-3700 TANK & FILTER GP-HYDRAULIC

S/N: 9EM783-1032  
PART OF 6Y-4857 CONTROL AR-HYDRAULIC

SMCS-5056, 5068

i01219385

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
	1	1	5D-7927	1	STRAINER AS							
			1		5F-3488	1						
	2	1	6H-9361	1	RING-RETAINING							
	3	1	2D-4202	1	PLATE							
	4	1	8T-2275	1	BALL							
	5	1	7H-1447	1	CAP-FILLER							
	6	1	9H-6454	1	GASKET (50.80MM ID)							
M	7	1	6V-7744	79	LOCKNUT (M10X1.50 THD)							
	8	1	6V-5839	14	WASHER (2.5MM THK)							
	9	1	8T-3298	1	SEAL-RECTANGULAR (51.7MM ID)							
	10	1	1U-2827	1	GUIDE-VALVE							
	11	1	7B-3039	1	SPRING							
	12	1	8J-8783	1	VALVE							
	13	1	8J-8782	1	BODY-DRAIN VALVE							
	14	1	5M-2057	1	SEAL-O-RING (34.59MM ID)							
	15	1	9J-7031	1	PLUG-DRAIN							
	16	1	4M-6921	1	WASHER-SPRING							
	17	1	4H-1225	1	WASHER (6.0MM THK)							
	18	1	9J-1979	1	RETAINER AS							
	19	1	7D-1195	1	SEAL-O-RING (56.52MM ID)							
M	20	1	8C-0573	1	STUD-TAPERLOCK							
	21	1	9S-4182	1	PLUG (7/16-20 THD)							
	22	1	3J-7354	1	SEAL-O-RING (8.92MM ID)							
	23	1	6E-2060	1	COVER AS							
	24	1	5H-6733	1	SEAL-O-RING (139.07MM ID)							
	25	1	6E-1725	1	TUBE AS							
	26	1	2H-6124	1	SEAL-O-RING (164.46MM ID)							
	27	1	1R-0735	1	ELEMENT AS-HYDRAULIC (DISPOSABLE)							
					-OR-							
A	1	104-6931	1		ELEMENT-FILTER (FIRE RESISTANT FLUID)							
					-OR-							
A	1	139-1537	1		ELEMENT AS-HYDRAULIC FILTER (REVERSE FLOW) (HIGHER PERFORMANCE)							
	28	1	106-5706	1	BRACKET							
	29	1	6E-1752	1	SCREEN							
M	30	1	6V-7732	7	BOLT (M10X1.5X25MM)							
	31	1	106-5705	1	BRACKET							
M	32	1	6V-8097	4	BOLT (M12X1.75X30MM)							
	33	1	1L-4349	1	SPRING							
	34	1	9J-1985	1	TUBE AS							
	35	1	9J-1986	1	FLANGE							
	36	1	9J-1988	1	VALVE							
	37	1	6E-2059	1	HOUSING							
	38	1	8F-4994	1	SEAL-O-RING (23.16MM ID)							
	39	1	6E-1744	1	TUBE AS							
M	40	1	6V-4248	60	BOLT (M10X1.50X25MM)							
	41	1	6E-4795	1	BRACKET							
	42	1	3G-4783	1	VALVE-BREATHER							
	43	1	3D-2824	1	SEAL-O-RING (23.47MM ID)							
	44	1	9T-0714	1	PLATE							
	45	1	8J-6913	1	RETAINER-GLASS							
	46	1	4J-8251	1	GROMMET							
	47	1	4J-8252	1	GLASS							
	48	1	9L-9132	2	WASHER (2.5MM THK)							
	49	1	1P-4578	2	FLANGE-HALF							
M	50	1	6V-3822	4	BOLT (M10X1.5X35MM)							

# HYDRAULIC SYSTEM

**164-3700 TANK & FILTER GP-HYDRAULIC (contd.)**

**i01219385**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE
					1 2 3 4 5 6		
51	1		<b>8T-8916</b>	4	BOLT (7/16-14X1.5IN)		
52	1		<b>8T-5360</b>	4	WASHER (2.5MM THK)		
53	1		<b>1P-4577</b>	2	FLANGE-HALF		
54	1		<b>5S-7382</b>	4	BOLT (3/8 X 16 X 1.375 IN)		
55	1		<b>8T-4896</b>	4	WASHER-HARD (2.5MM THK)		
56	1		<b>1P-4584</b>	2	FLANGE-HALF		
57	1		<b>8T-8919</b>	8	BOLT (1/2-13X1.75IN)		
58	1		<b>8T-4223</b>	8	WASHER-HARD (3MM THK)		
59	1		<b>162-2913</b>	1	PLATE AS		
60	1		<b>5D-1911</b>	1	COVER-HYDRAULIC CAP		
61	1		<b>1L-5072</b>	1	DOWEL		
62	1		<b>9M-7394</b>	1	LEVER		
63	1		<b>2J-7761</b>	1	RING-RETAINING		
64	1		<b>164-3698</b>	1	TANK AS-HYDRAULIC		
	1		<b>9J-7203</b>	1	FILLER		
65	1		<b>164-3699</b>	1	TANK AS-HYDRAULIC		

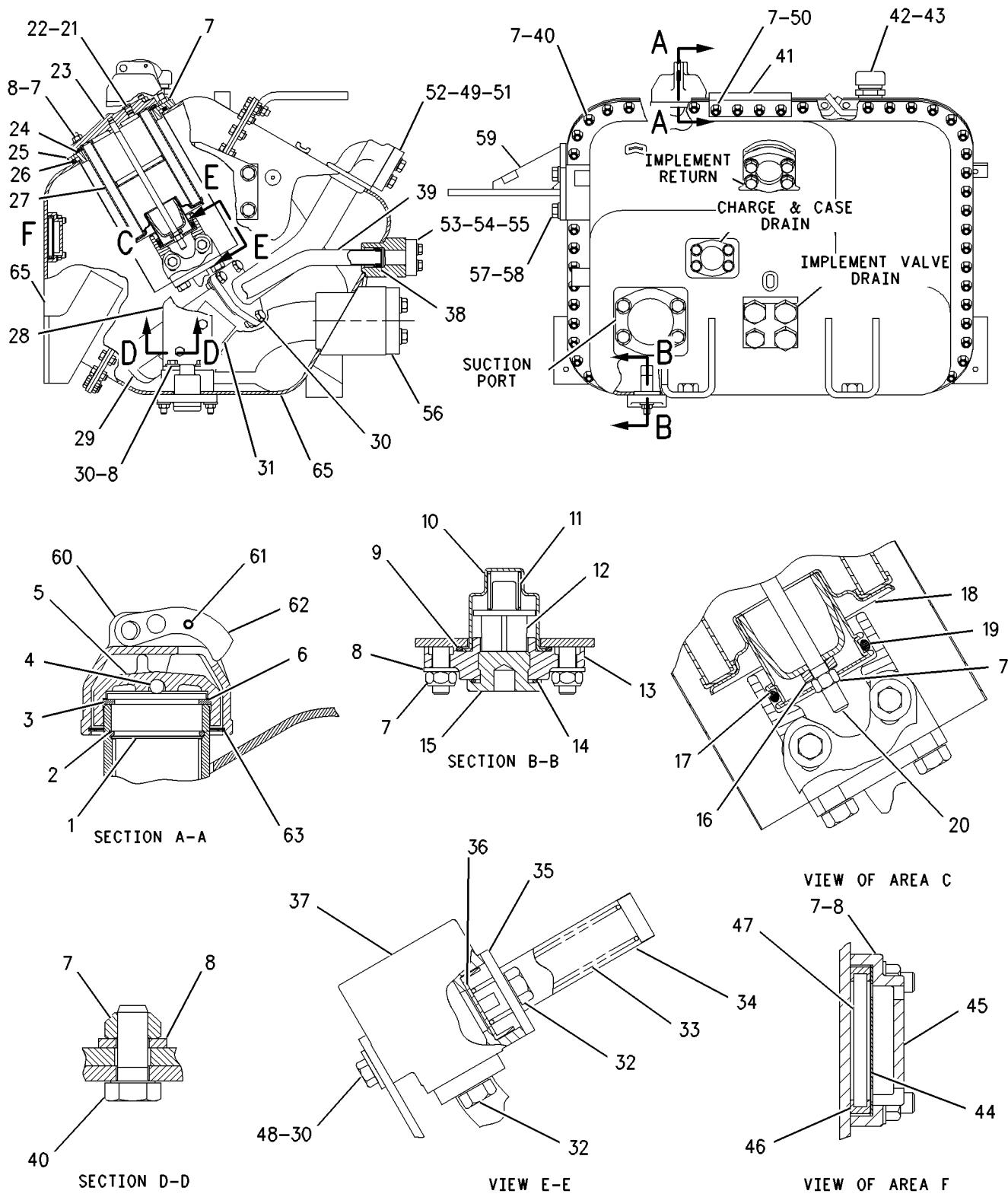
A-NOT PART OF THIS GROUP

M-METRIC PART

# HYDRAULIC SYSTEM

164-3700 TANK & FILTER GP-HYDRAULIC (contd.)

i01219385



# HYDRAULIC SYSTEM

## 164-3700 TANK & FILTER GP - HYDRAULIC

S/N: 9EM1033-UP

PART OF 6Y-4857 CONTROL AR-HYDRAULIC

**SMCS-5056, 5068**

**i01487038**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
1	1		<b>1L-4349</b>	1	SPRING							
2	1		<b>1R-0735</b>	1	FILTER ELEMENT AS-OIL (HYDRAULIC/REVERSE FLOW) (DISPOSABLE)							
					-OR-							
A	1		<b>104-6931</b>	1	FILTER ELEMENT AS-OIL (REVERSE FLOW) (FIRE RESISTANT FLUID)							
					-OR-							
A	1		<b>139-1537</b>	1	FILTER ELEMENT AS-OIL (HYDRAULIC) (HIGHER PERFORMANCE)							
3	1		<b>1U-2827</b>	1	GUIDE-VALVE							
4	1		<b>4H-1225</b>	1	WASHER (11X22X6MM THK)							
5	1		<b>4M-6921</b>	1	WASHER-SPRING							
6	1		<b>6E-1725</b>	1	TUBE AS							
7	1		<b>6E-1744</b>	1	TUBE AS							
8	1		<b>6E-1752</b>	1	SCREEN							
9	1		<b>6E-2059</b>	1	HOUSING							
10	1		<b>6E-2060</b>	1	COVER AS							
11	1		<b>6E-4795</b>	1	BRACKET							
12	1		<b>7B-3039</b>	1	SPRING							
13	1		<b>8J-8782</b>	1	BODY-DRAIN VALVE							
14	1		<b>8J-8783</b>	1	VALVE							
15	1		<b>9J-1979</b>	1	RETAINER AS							
16	1		<b>9J-1985</b>	1	TUBE AS							
17	1		<b>9J-1986</b>	1	FLANGE							
18	1		<b>9J-1988</b>	1	VALVE							
19	1		<b>9J-7031</b>	1	PLUG-DRAIN							
20	1		<b>106-5705</b>	1	BRACKET							
21	1		<b>162-2913</b>	1	PLATE AS							
22	1		<b>164-3698</b>	1	TANK AS-HYDRAULIC							
	1		<b>9J-7203</b>	1	FILLER							
23	1		<b>164-3699</b>	1	TANK AS-HYDRAULIC							
24	1		<b>106-5706</b>	1	BRACKET							
25	1		<b>1L-5072</b>	1	DOWEL							
26	1		<b>1P-4577</b>	2	FLANGE-HALF							
27	1		<b>1P-4578</b>	2	FLANGE-HALF							
28	1		<b>1P-4584</b>	2	FLANGE-HALF							
29	1		<b>2D-4202</b>	1	PLATE							
30	1		<b>2H-6124</b>	1	SEAL-O-RING							
31	1		<b>2J-7761</b>	1	RING-RETAINING							
32	1		<b>3J-7354</b>	1	SEAL-O-RING							
33	1		<b>4J-8251</b>	1	GROMMET							
34	1		<b>4J-8252</b>	1	GAUGE-SIGHT							
35	1		<b>5D-1911</b>	1	COVER-HYDRAULIC CAP							
36	1		<b>5D-7927</b>	1	STRAINER AS							
	1		<b>5F-3488</b>	1	END-STRAINER							
37	1		<b>5H-6733</b>	1	SEAL-O-RING							
38	1		<b>5M-2057</b>	1	SEAL-O-RING							
39	1		<b>5S-7382</b>	4	BOLT (3/8-16X1.375 IN)							
40	1		<b>6H-9361</b>	1	RING-RETAINING							
M	41	1	<b>6V-3822</b>	4	BOLT (M10X1.5X35MM)							
M	42	1	<b>6V-4248</b>	60	BOLT (M10X1.50X25MM)							
M	43	1	<b>6V-5839</b>	14	WASHER (11X21X2.5MM THK)							
M	44	1	<b>6V-7732</b>	7	BOLT (M10X1.5X25MM)							
M	45	1	<b>6V-7744</b>	79	LOCKNUT (M10X1.5 THD)							
M	46	1	<b>6V-8097</b>	4	BOLT (M12X1.75X30MM)							
	47	1	<b>7D-1195</b>	1	SEAL-O-RING							

# HYDRAULIC SYSTEM

**164-3700 TANK & FILTER GP-HYDRAULIC (contd.)**

**i01487038**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
	48	1	7H-1447	1	CAP-FILLER							
M	49	1	8C-0573	1	STUD-TAPERLOCK							
	50	1	8F-4994	1	SEAL-O-RING							
	51	1	8J-6913	1	RETAINER-SIGHT GLASS							
	52	1	8T-2275	1	BALL							
	53	1	8T-3298	1	SEAL-RECTANGULAR							
	54	1	8T-4223	8	WASHER-HARD (13.5X25.5X3MM THK)							
	55	1	8T-4896	4	WASHER-HARD (10.2X18.5X2.5MM THK)							
	56	1	8T-5360	4	WASHER (12X22.5X2.5MM THK)							
	57	1	8T-8916	4	BOLT (7/16-14X1.5 IN)							
	58	1	8T-8919	8	BOLT (1/2-13X1.75 IN)							
	59	1	9H-6454	1	GASKET							
	60	1	9L-9132	2	WASHER (10.2X25.5X2.5MM THK)							
	61	1	9M-7394	1	LEVER							
	62	1	9S-4182	1	PLUG-O-RING							
	63	1	9T-0714	1	PLATE							

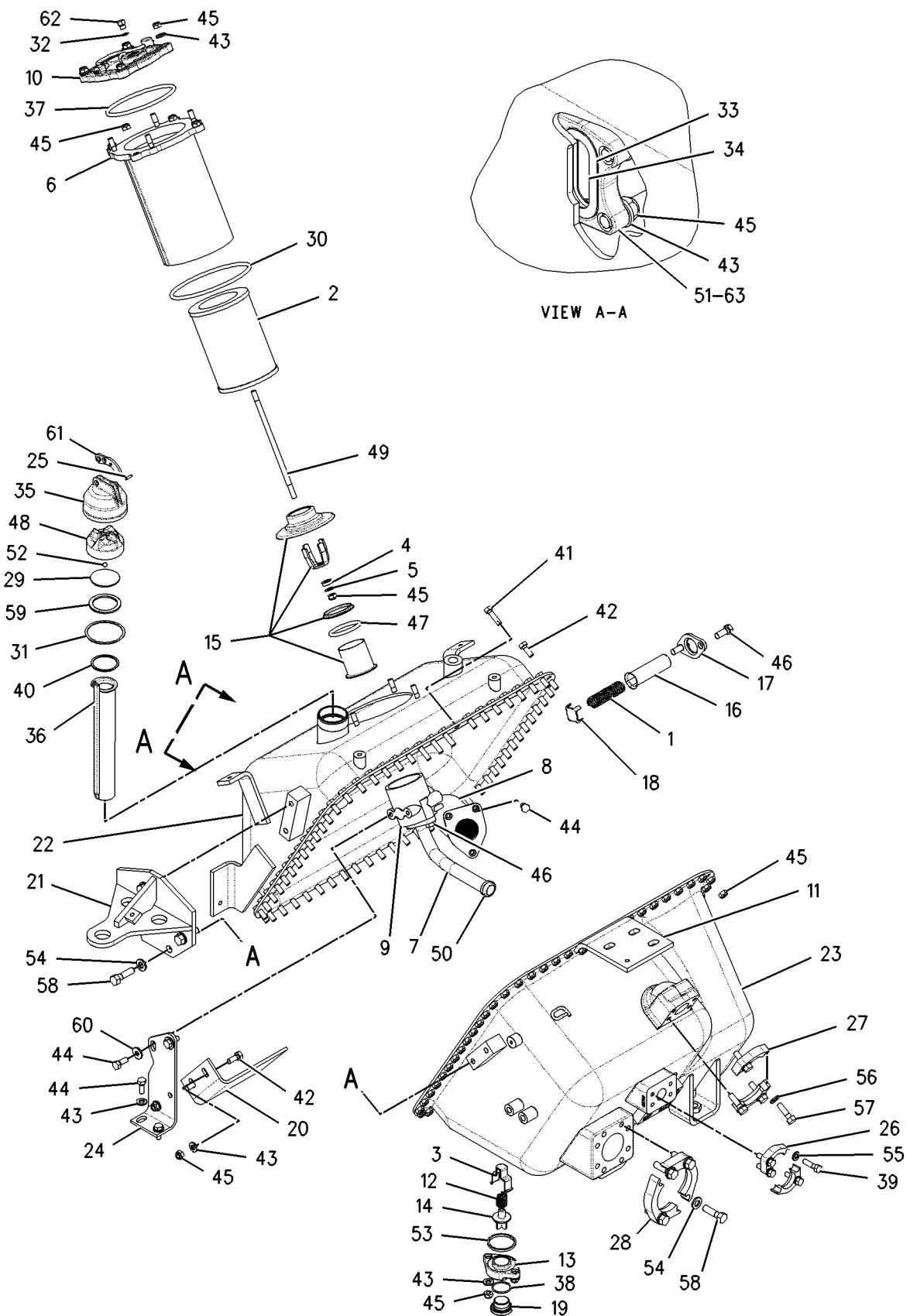
A-NOT PART OF THIS GROUP

M-METRIC PART

# HYDRAULIC SYSTEM

164-3700 TANK & FILTER GP-HYDRAULIC (contd.)

i01487038



GRAPHIC #1

g00768185

# HYDRAULIC SYSTEM

## 6T-4531 VALVE & MTG GP-CONTROL

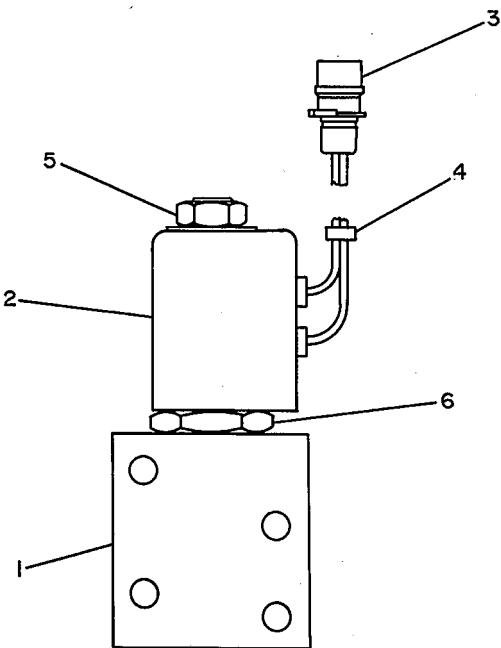
S/N: 9EM1-UP

PART OF 8E-2797 CONTROL AR-HYDRAULIC  
AN ATTACHMENT

SMCS-5051

i01138778

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		6T-9559	1	MANIFOLD						
2	1		9G-9988	1	VALVE GP-SOLENOID						
	1		6T-3383	1	COIL AS						
3	1		7N-8205	1	HOUSING-PLUG						
	1		7N-7780	2	PIN-CONNECTOR (BLADE)						
	1		7N-7779	2	SOCKET						
4	1		1S-9593	2	STRAP-CABLE (0.62IN DIA)						
5	1		9S-1354	1	NUT (5/8-18 THD)						
6	1		6T-3382	1	CARTRIDGE AS						
AVAILABLE REPAIR KIT(S) :											
			6T-3381	1	KIT-SEAL						



GRAPHIC #1

g00172030

# HYDRAULIC SYSTEM

## 188-6140 VALVE & MTG GP-CONTROL

S/N: 9EM1-UP

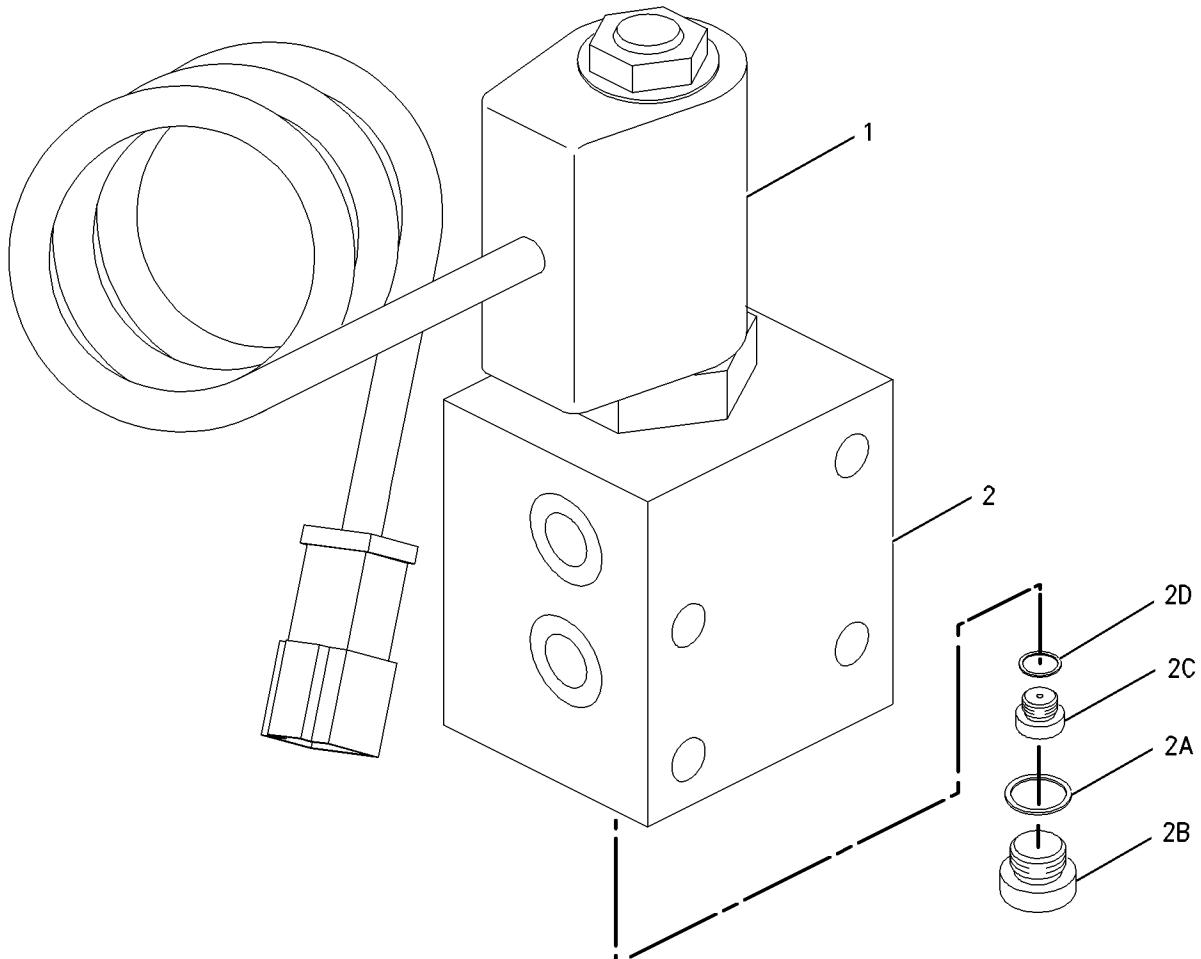
PART OF 8E-2797 CONTROL AR-HYDRAULIC  
AN ATTACHMENT

SMCS-5051

i01488908

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6		
Y	1	1	3E-8575	1	VALVE GP-SOLENOID							887
	2	1	188-6141	1	MANIFOLD AS							
	2A	1	3J-1907	1	SEAL-O-RING							
	2B	1	9S-8004	1	PLUG							
	2C	1	200-2964	1	ORIFICE AS							
	2D	1	4J-7533	1	SEAL-O-RING							

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

g00764266

# HYDRAULIC SYSTEM

## 9T-8344 VALVE GP-BANK

S/N: 9EM1-UP

RIPPER, DOZER LIFT, DOZER TILT

SMCS-5051

i00911687

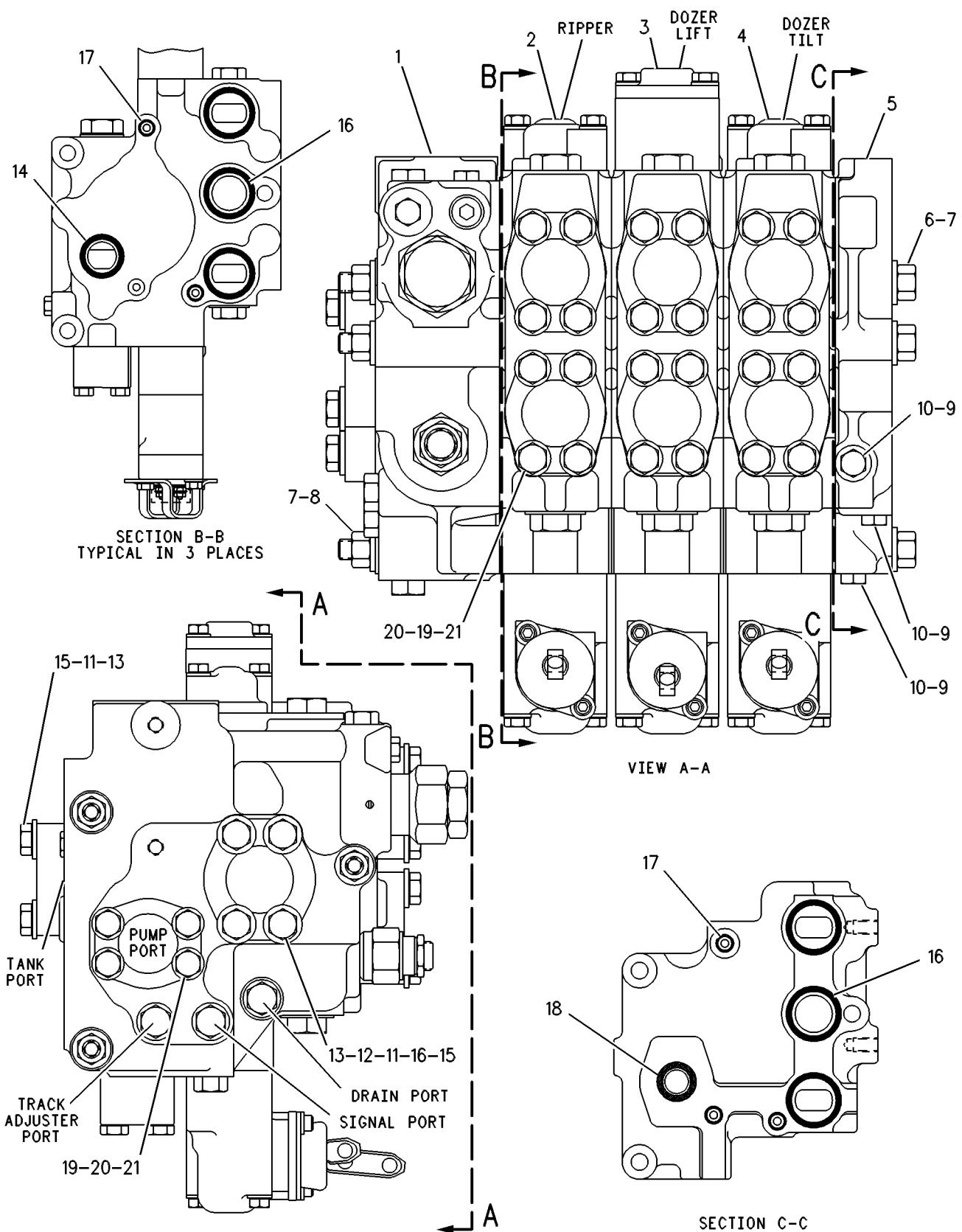
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
Y	1	1	6E-1360	1	MANIFOLD GP	924
Y	2	1	9T-8989	1	VALVE GP-CONTROL (RIPPER)	870
Y	3	1	9T-8991	1	VALVE GP-CONTROL (DOZER LIFT)	872
Y	4	1	6E-1359	1	VALVE GP-CONTROL (DOZER TILT)	868
	5	1	6E-5455	1	COVER	
	6	1	4M-9641	3	BOLT (1/2-13X12.75IN)	
	7	1	8T-4223	6	WASHER-HARD (3MM THK)	
	8	1	6V-8188	3	NUT (1/2-13 THD)	
	9	1	9S-4182	5	PLUG (7/16-20 THD)	
	10	1	3J-7354	5	SEAL-O-RING (8.92MM ID)	
	11	1	1P-4578	4	FLANGE-HALF	
	12	1	5H-4020	1	COVER	
	13	1	8T-8916	8	BOLT	
	14	1	4J-8997	3	SEAL-O-RING (28.17MM ID)	
	15	1	8T-5360	8	WASHER (2.5MM THK)	
	16	1	4J-0522	13	SEAL-O-RING (37.69MM ID)	
	17	1	6V-5555	12	SEAL (7.52MM ID)	
	18	1	1P-3702	1	SEAL-RECTANGULAR (28.83MM ID)	
	19	1	1P-4577	14	FLANGE-HALF	
	20	1	5S-7382	28	BOLT (3/8-16X34.92)	
	21	1	8T-4896	28	WASHER-HARD (2.5MM THK)	

Y-SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

9T-8344 VALVE GP - BANK (contd.)

i00911687



GRAPHIC #1

g00465306

# HYDRAULIC SYSTEM

## 4T-5896 VALVE GP-CHECK

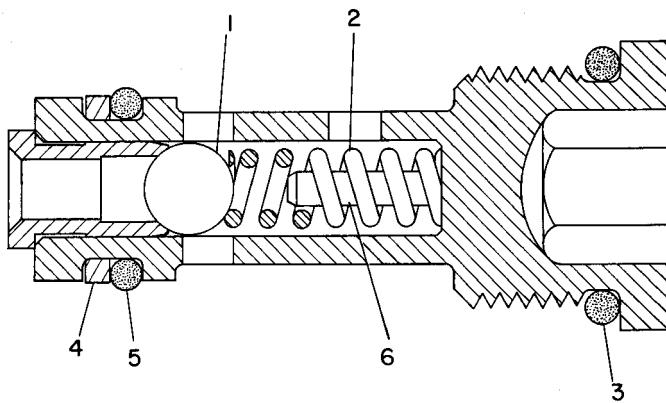
S/N: 9EM1-UP

PART OF 6E-1360 MANIFOLD GP

SMCS-5067

i00689098

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		5H-1472	1	BALL						
2	1		9G-0278	1	SPRING						
3	1		3J-1907	1	SEAL-O-RING (11.89MM ID)						
4	1		4T-5071	1	RING-BACKUP						
5	1		8C-3085	1	SEAL-O-RING (7.65MM ID)						
6	1		8L-6565	1	PIN-SPRING						



GRAPHIC #1

g00124639

# HYDRAULIC SYSTEM

## 6E-1359 VALVE GP-CONTROL

S/N: 9EM1-UP

DOZER TILT

PART OF 9T-8344 VALVE GP-BANK

**SMCS-5051**

**i01034513**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	1N-5999	1	PLUG (3/8-24 THD)	
	2	1	2D-0598	1	SEAL-O-RING (44.12MM ID)	
	3	1	2S-2596	2	SPRING (.332IN OD)	
	4	1	100-8011	1	PLUG (5/16-12 THD)	
	5	1	4J-7533	2	SEAL-O-RING (6.07MM ID)	
	6	1	4T-1649	1	HOUSING	
	7	1	4T-1701	1	SPRING (21MM OD)	
	8	1	6V-5556	1	SEAL-O-RING (25.07MM ID)	
	9	1	4T-5074	1	RING-BACKUP	
	10	1	4T-4511	1	SLEEVE	
	11	1	5M-2057	1	SEAL-O-RING (34.59MM ID)	
B	12	1	4B-4278	1	WASHER (1.6MM THK)	
Y	13	1	4T-1860	1	VALVE GP-SHUTTLE	886
C	14	1	7X-0277	2	BOLT (5/16-18X3.75IN)	
Y	15	1	4T-0999	1	LEVER GP-CONTROL VALVE	788
	16	1	4T-0993	2	RETAINER	
	17	1	5J-1391	1	SPRING	
	18	1	4T-1021	2	RETAINER	
	19	1	4T-1108	2	PLUG	
	20	1	4T-5073	2	RING-BACKUP	
	21	1	7J-9933	2	SEAL-O-RING (21.89MM ID)	
	22	1	4J-5351	2	SEAL-O-RING (17.12MM ID)	
	23	1	4T-5072	2	RING-BACKUP	
	24	1	7J-0204	1	SEAL-O-RING (7.65MM ID)	
	25	1	7M-8485	1	SEAL-O-RING (29.74MM ID)	
	26	1	9S-8001	2	PLUG-O-RING (5/16-24 THD)	
C	27	1	9J-8126	1	PLUG-ORIFICE	
	28	1	4K-1388	2	SEAL-O-RING (26.59MM ID)	
C	29	1	8T-2501	2	BOLT (3/8-16X2.0IN)	
C	30	1	8T-4224	4	WASHER-HARD (2MM THK)	
	31	1	4T-1850	1	HOUSING	
	32	1	9S-4182	1	PLUG (7/16-20 THD)	
	33	1	3J-7354	1	SEAL-O-RING (8.92MM ID)	
C	34	1	8C-3121	2	BOLT (5/16-18X1.50IN)	
	35	1	100-8010	1	VALVE	

B-USE AS REQUIRED

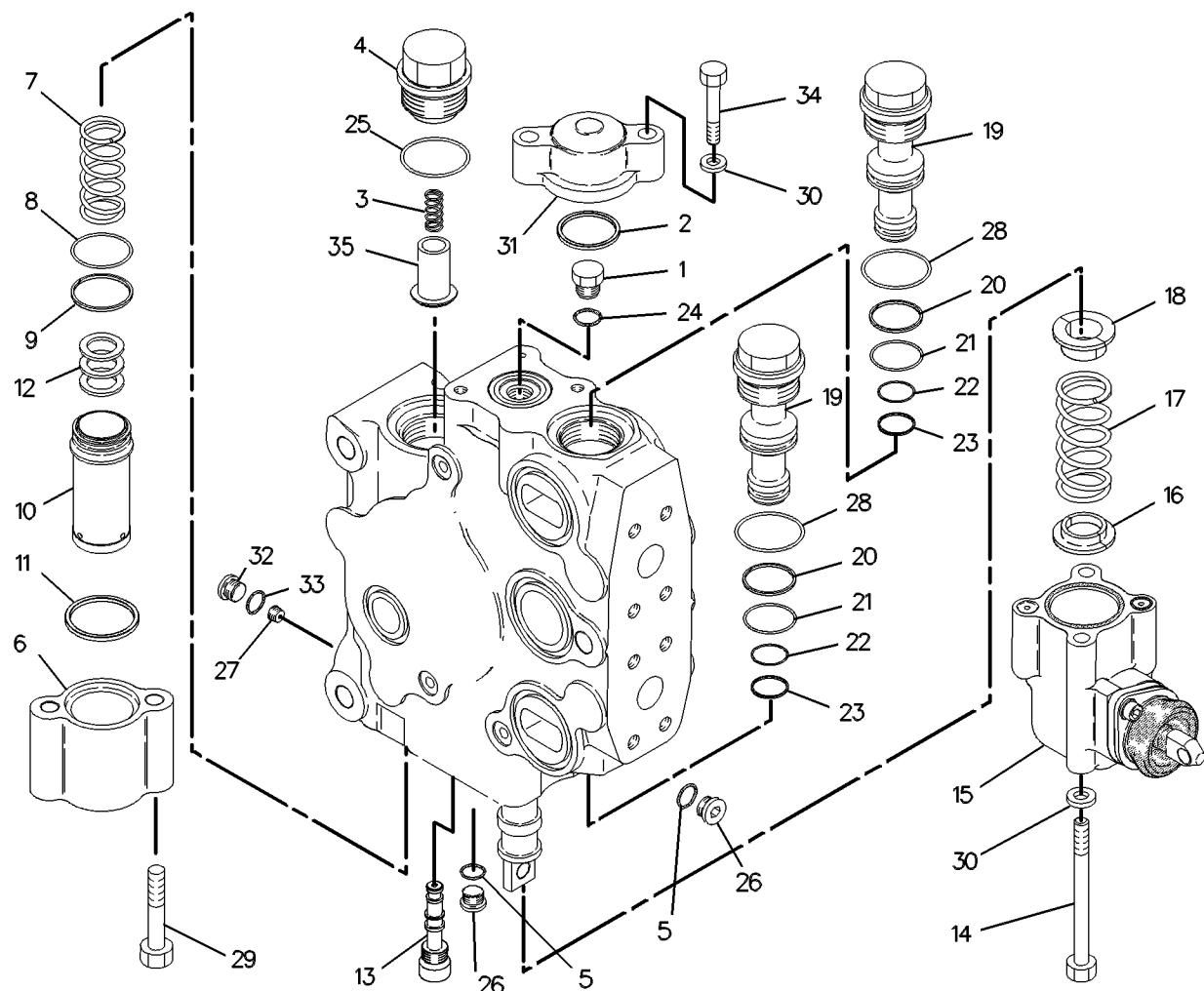
C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

6E-1359 VALVE GP - CONTROL (*contd.*)

i01034513



GRAPHIC #1

g00528833

# HYDRAULIC SYSTEM

## 9T-8989 VALVE GP-CONTROL

S/N: 9EM1-UP

RIPPER

PART OF 9T-8344 VALVE GP-BANK

**SMCS-5051**

**i00911706**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
	1	1	1N-5999	1	PLUG							
	2	1	2D-0598	1	SEAL-O-RING (44.12MM ID)							
	3	1	100-8011	1	PLUG							
	4	1	9S-8001	2	PLUG-O-RING (5/16-24 THD)							
	5	1	7M-8485	1	SEAL-O-RING (29.74MM ID)							
	6	1	100-8010	1	VALVE							
	7	1	4T-1701	1	SPRING (21MM OD)							
	8	1	6V-5556	1	SEAL-O-RING (25.07MM ID)							
	9	1	4T-5074	1	RING-BACKUP							
	10	1	4T-4511	1	SLEEVE							
	11	1	5M-2057	1	SEAL-O-RING (34.59MM ID)							
Y	12	1	4T-1860	1	VALVE GP-SHUTTLE							886
CZ	13	1			BODY-VALVE							
	14	1	9J-8126	1	PLUG-ORIFICE							
Y	15	1	4T-0999	1	LEVER GP-CONTROL VALVE							788
	16	1	4T-0993	2	RETAINER							
	17	1	5J-1391	1	SPRING							
	18	1	4T-1021	2	RETAINER							
	19	1	100-8012	1	BODY							
	20	1	4J-7533	2	SEAL-O-RING (6.07MM ID)							
	21	1	2S-2596	1	SPRING (.332IN OD)							
	22	1	4T-5073	2	RING-BACKUP							
	23	1	7J-9933	2	SEAL-O-RING (21.89MM ID)							
	24	1	4T-5072	1	RING-BACKUP							
	25	1	4J-5351	1	SEAL-O-RING (17.12MM ID)							
	26	1	4T-1108	1	PLUG							
	27	1	7J-0204	1	SEAL-O-RING (7.65MM ID)							
	28	1	2S-2596	1	SPRING (.332IN OD)							
	29	1	4T-1649	1	HOUSING							
C	30	1	7X-0277	2	BOLT (5/16-18X3.75IN)							
	31	1	4K-1388	2	SEAL-O-RING (26.59MM ID)							
C	32	1	8C-3121	2	BOLT (5/16-18X1.50IN)							
C	33	1	8T-4224	4	WASHER-HARD (2MM THK)							
	34	1	4T-1850	1	HOUSING							
	35	1	9S-4182	1	PLUG (7/16-20 THD)							
	36	1	3J-7354	1	SEAL-O-RING (8.92MM ID)							
C	37	1	8T-2501	2	BOLT							

C-CHANGE FROM PREVIOUS TYPE

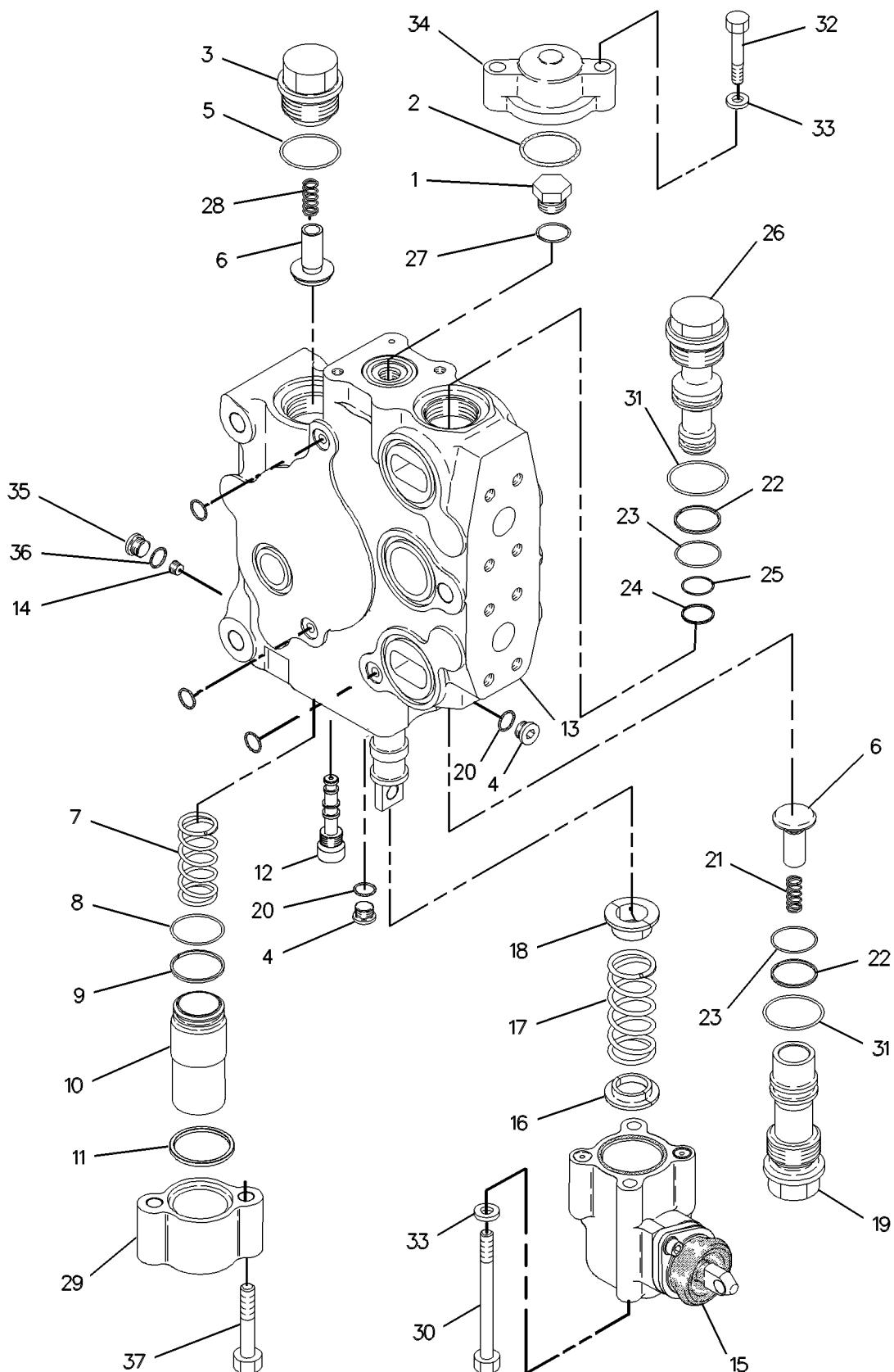
Y-SEPARATE ILLUSTRATION

Z-NOT SERVICED SEPARATELY

# HYDRAULIC SYSTEM

9T-8989 VALVE GP - CONTROL (contd.)

i00911706



GRAPHIC #1

g00463984

# HYDRAULIC SYSTEM

## 9T-8991 VALVE GP-CONTROL

S/N: 9EM1-UP

DOZER LIFT

PART OF 9T-8344 VALVE GP-BANK

**SMCS-5051**

**i01053444**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	<b>9T-3976</b>	1	SLEEVE-RETAINER	
	2	1	<b>2D-0598</b>	1	SEAL-O-RING (44.12MM ID)	
	3	1	<b>100-8011</b>	2	PLUG (5/16-12 THD)	
	4	1	<b>9S-8001</b>	2	PLUG-O-RING (5/16-24 THD)	
	5	1	<b>7M-8485</b>	1	SEAL-O-RING (29.74MM ID)	
	6	1	<b>100-8010</b>	2	VALVE	
	7	1	<b>4T-1701</b>	1	SPRING (21MM OD)	
	8	1	<b>6V-5556</b>	1	SEAL-O-RING (25.07MM ID)	
	9	1	<b>4T-5074</b>	1	RING-BACKUP	
	10	1	<b>4T-4511</b>	1	SLEEVE	
	11	1	<b>5M-2057</b>	1	SEAL-O-RING (34.59MM ID)	
	12	1	<b>9T-2125</b>	1	RETAINER	
	13	1	<b>4T-1851</b>	1	RETAINER	
	14	1	<b>9T-0953</b>	1	SPRING	
Y	15	1	<b>9T-8992</b>	1	LEVER GP-CONTROL VALVE	789
	16	1	<b>9T-2927</b>	2	RETAINER	
	17	1	<b>9T-6394</b>	1	SPRING	
	18	1	<b>4T-0993</b>	2	RETAINER	
	19	1	<b>100-8012</b>	1	BODY	
	20	1	<b>4J-7533</b>	2	SEAL-O-RING (6.07MM ID)	
	21	1	<b>2D-6642</b>	6	BALL	
	22	1	<b>4T-5073</b>	2	RING-BACKUP	
	23	1	<b>7J-9933</b>	2	SEAL-O-RING (21.89MM ID)	
	24	1	<b>4T-5072</b>	1	RING-BACKUP	
	25	1	<b>4J-5351</b>	1	SEAL-O-RING (17.12MM ID)	
	26	1	<b>4T-1108</b>	1	PLUG	
	27	1	<b>9T-2092</b>	1	DETENT	
	28	1	<b>2S-2596</b>	2	SPRING (8.4MM OD)	
	29	1	<b>9T-2093</b>	1	BOLT	
	30	1	<b>7J-0204</b>	1	SEAL-O-RING (7.65MM ID)	
	31	1	<b>4K-1388</b>	2	SEAL-O-RING (26.59MM ID)	
C	32	1	<b>5P-2955</b>	2	BOLT (5/16-18X2.50IN)	
C	33	1	<b>8T-4224</b>	4	WASHER-HARD (2MM THK)	
	34	1	<b>4T-1854</b>	1	COVER	
	35	1	<b>9S-4182</b>	1	PLUG (7/16-20 THD)	
	36	1	<b>3J-7354</b>	1	SEAL-O-RING (8.92MM ID)	
C	37	1	<b>8T-2501</b>	2	BOLT (3/8-16X2.0IN)	
	38	1	<b>4L-7711</b>	1	SEAL-O-RING (42.52MM ID)	
	39	1	<b>4T-1649</b>	1	HOUSING	
C	40	1	<b>7X-0277</b>	2	BOLT (5/16-18X3.75IN)	
Y	41	1	<b>4T-1860</b>	1	VALVE GP-SHUTTLE (RESOLVER)	886
B	42	1	<b>4B-4278</b>	5	WASHER (1.6MM THK) (20.5MM OD)	
C	43	1	<b>4T-1849</b>	1	HOUSING	
C	44	1	<b>9J-8126</b>	1	PLUG-ORIFICE	

B-USE AS REQUIRED

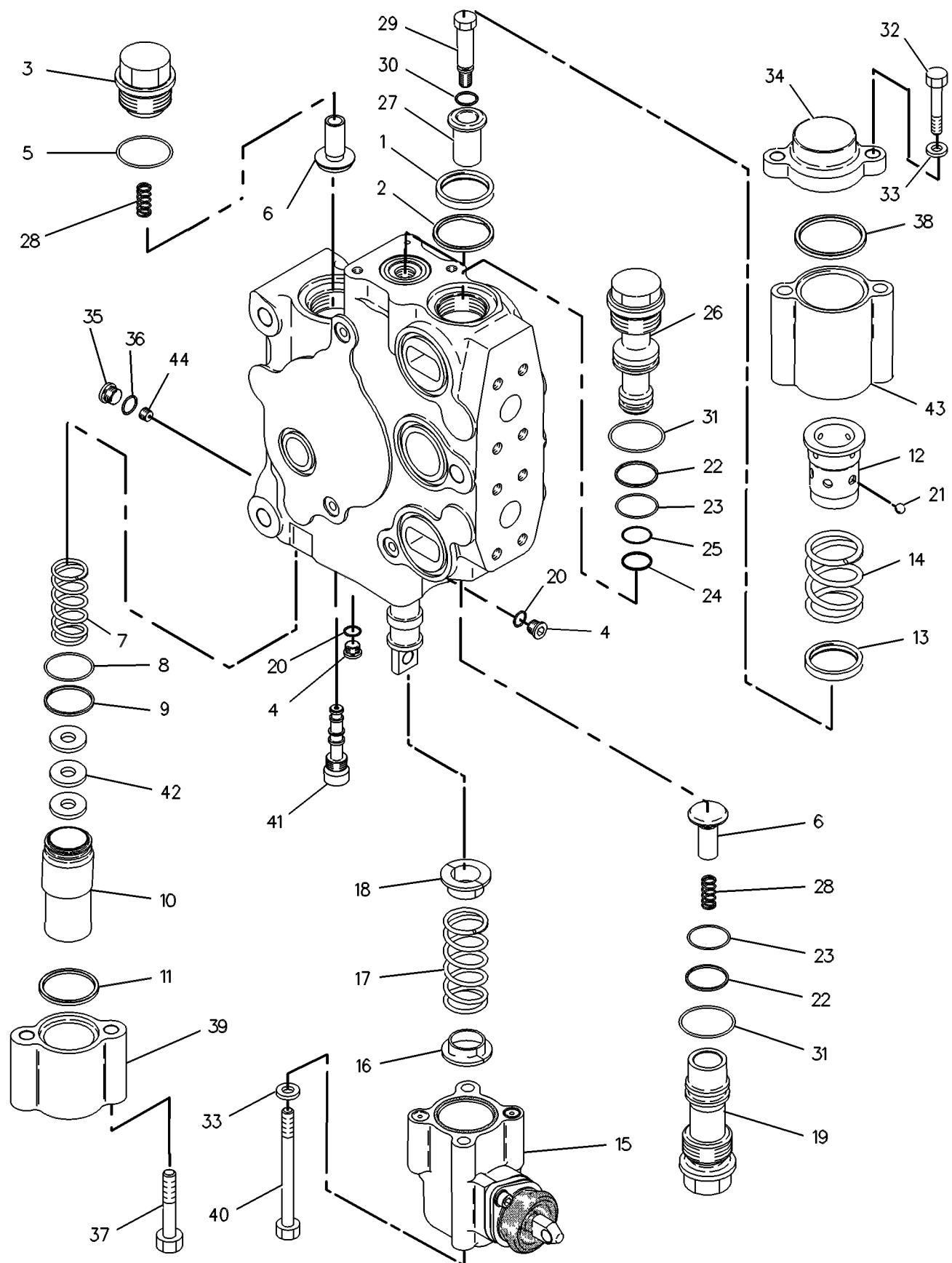
C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

9T-8991 VALVE GP - CONTROL (contd.)

i01053444



GRAPHIC #1

g00468009

# HYDRAULIC SYSTEM

## 9T-8347 VALVE GP-DIVERTER

S/N: 9EM1-UP

PART OF 108-1011 CONTROL AR-HYDRAULIC  
AN ATTACHMENT

**SMCS-5066**

**i01142764**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		<b>6E-1066</b>	1	VALVE GP							
			<b>3J-7354</b>	1	SEAL-O-RING (8.92MM ID)							
			<b>9S-4182</b>	1	PLUG (7/16-20 THD)							
2	1		<b>4L-6454</b>	2	BOLT (3/8-16X1.0IN)							
3	1		<b>6E-1062</b>	1	COVER							
4	1		<b>4J-0526</b>	1	SEAL-O-RING (53.57MM ID)							
5	1		<b>6E-1063</b>	1	SPRING (INNER)							
6	1		<b>6E-1064</b>	1	SPRING (OUTER)							
7	1		<b>3B-3359</b>	1	WASHER							
8	1		<b>8J-4645</b>	1	PLUG-O-RING (1 15/16-12 THD)							
			<b>7M-8485</b>	1	SEAL-O-RING (29.74MM ID)							
9	1		<b>6V-0852</b>	1	CAP-DUST							
CY	10	1	127-0574	1	VALVE GP-SOLENOID							888
	11	1	<b>9S-4191</b>	1	PLUG-O-RING (9/16-18 THD)							
	12	1	<b>3J-1907</b>	2	SEAL-O-RING (11.89MM ID)							
	13	1	<b>1P-4576</b>	16	FLANGE							
	14	1	<b>1P-4577</b>	4	FLANGE-HALF							
	15	1	<b>5S-7382</b>	40	BOLT (3/8-16X34.92)							
			<b>8T-4896</b>	40	WASHER-HARD (2.5MM THK)							
	16	1	<b>6V-3965</b>	1	NIPPLE AS							

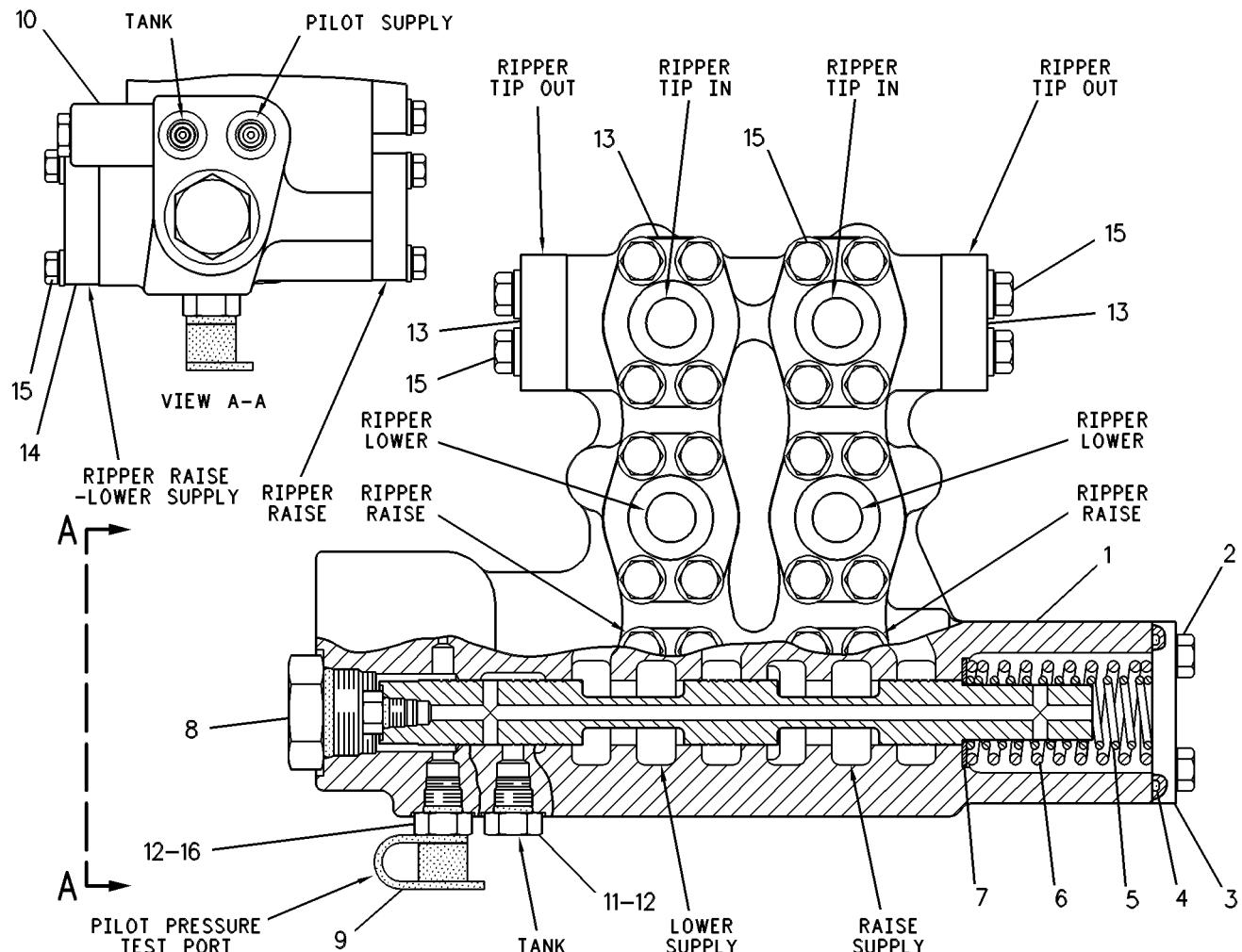
C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

9T-8347 VALVE GP-DIVERTER (contd.)

i01142764



GRAPHIC #1

g00254997

# HYDRAULIC SYSTEM

## 6E-6044 VALVE GP-PRESS & FLOW CMPNSTR

S/N: 9EM1-UP

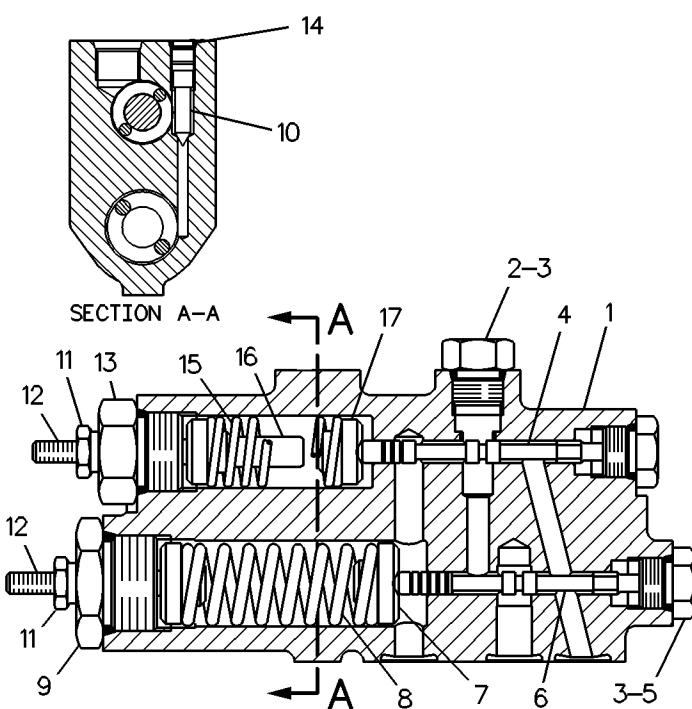
PART OF 9T-8346 PUMP GP-PISTON

SMCS-5086

i01040075

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	108-4814	1	BODY-COMPENSATOR	
	2	1	9S-4191	1	PLUG-O-RING (9/16-18 THD)	
	3	1	3J-1907	3	SEAL-O-RING (11.89MM ID)	
	4	1	6E-4241	1	SPOOL-MARGIN	
	5	1	9T-2186	2	PLUG	
	6	1	6E-4239	1	SPOOL-CUTOFF	
	7	1	6E-4230	2	GUIDE-SPRING	
	8	1	6E-4228	1	SPRING-CUTOFF	
	9	1	6E-6140	1	PLUG-COMPENSATOR	
		1	033-6036	1	SEAL-O-RING (23.47MM ID)	
	10	1	6E-6420	1	VALVE-NEEDLE	
	11	1	6E-6141	2	LOCKNUT-SEALING	
M	12	1	129-7632	2	SCREW-ADJUSTMENT	
	13	1	6E-6142	1	PLUG-MARGIN	
		1	033-6027	1	SEAL-O-RING (19.18MM ID)	
	14	1	6E-6419	1	RING	
		1	9X-7680	1	SEAL-O-RING	
	15	1	6E-4246	1	SPRING-MARGIN	
	16	1	6E-4318	1	PIN-SPRING STOP	
	17	1	6E-4242	2	GUIDE-SPRING	

M-METRIC PART



GRAPHIC #1

g00227058

# HYDRAULIC SYSTEM

## 6E-4392 VALVE GP - PRESSURE COMPENSATOR

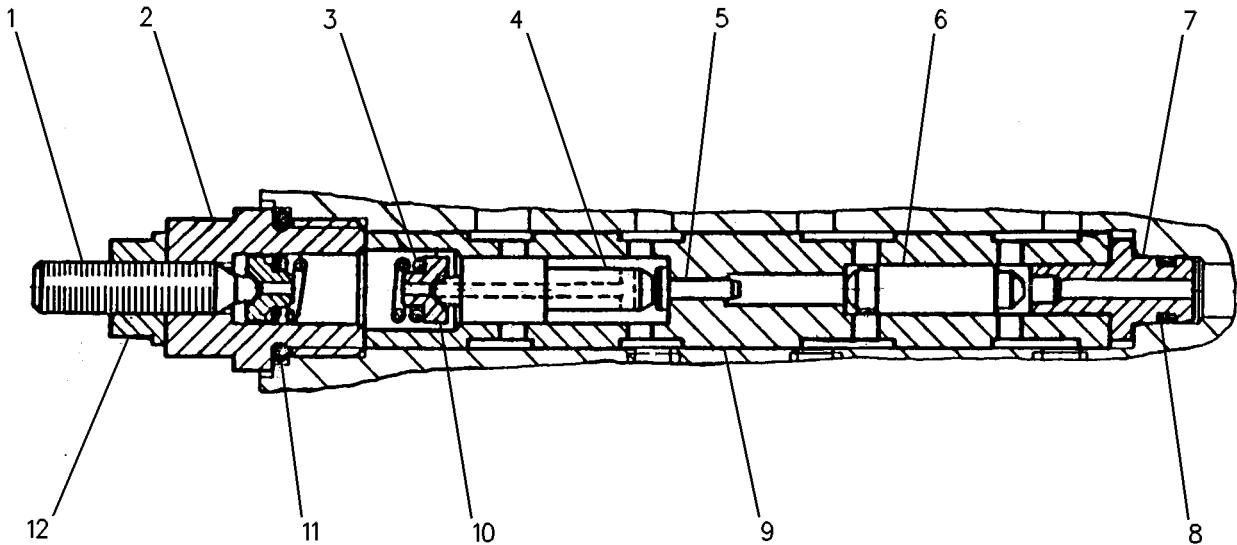
S/N: 9EM1-UP

PART OF 183-8414, 6E-4379 HEAD GP-PUMP

SMCS-5086

i01138781

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
1	1		6E-4401	1	SETSCREW-ADJUSTMENT							
2	1		6E-4393	1	PLUG							
3	1		6E-4399	1	SPRING							
4	1		6E-4395	1	PISTON							
5	1		6E-4396	1	PISTON							
6	1		6E-4397	1	PISTON							
7	1		6E-4398	1	SEAT							
8	1		6V-5586	1	SEAL-O-RING (6.07MM ID)							
9	1		6E-4394	1	PISTON							
10	1		6E-4400	2	RETAINER-SPRING							
11	1		6V-8351	1	SEAL-O-RING							
12	1		6E-1607	1	LOCKNUT-SEALING							



GRAPHIC #1

g00228708

# HYDRAULIC SYSTEM

## 9T-8704 VALVE GP-PRESSURE CONTROL

S/N: 9EM1-UP

PART OF 6Y-4857 CONTROL AR-HYDRAULIC

**SMCS-5117**

**i01066514**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6	
1	1		<b>6V-3965</b>	3	NIPPLE AS	
2	1		<b>9S-8006</b>	1	PLUG-O-RING (7/8-14 THD)	
	1		<b>2M-9780</b>	1	SEAL-O-RING (19.18MM ID)	
3	1		<b>9T-9849</b>	1	VALVE GP	
4	1		<b>9T-8621</b>	1	SPRING	
B	5	1	<b>6J-0450</b>	2	SHIM (.79MM THK)	
B	6	1	<b>7T-0522</b>	2	SHIM	
B	7	1	<b>6B-0387</b>	2	GASKET	
	8	1	<b>3K-6223</b>	1	WASHER (1.27MM THK)	
	9	1	<b>9S-8004</b>	2	PLUG-O-RING (9/16-18 THD)	
	10	1	<b>3J-1907</b>	6	SEAL-O-RING (11.89MM ID)	
	11	1	<b>8T-4896</b>	1	WASHER-HARD (2.5MM THK)	
	12	1	<b>6E-1960</b>	1	STOP	
	13	1	<b>2S-4078</b>	1	SEAL-O-RING (37.46MM ID)	
		1	<b>6E-1959</b>	1	PLUG	
	14	1	<b>8T-0788</b>	1	ELBOW-90 DEGREE	
	15	1	<b>6E-1961</b>	1	STOP AS	
	16	1	<b>9T-9858</b>	1	SPRING	
	17	1	<b>6E-1958</b>	1	VALVE	
	18	1	<b>8T-6663</b>	1	ADAPTER-PORT	
		1	<b>6V-8397</b>	1	SEAL-O-RING (9.27MM ID)	
	19	1	<b>7T-0095</b>	1	SPRING	
	20	1	<b>6V-0825</b>	1	BOLT-LOCKING	
	21	1	<b>1V-0358</b>	1	WASHER	
	22	1	<b>6V-0852</b>	3	CAP-DUST	
Y	23	1	<b>9T-9850</b>	1	VALVE GP-RELIEF	738

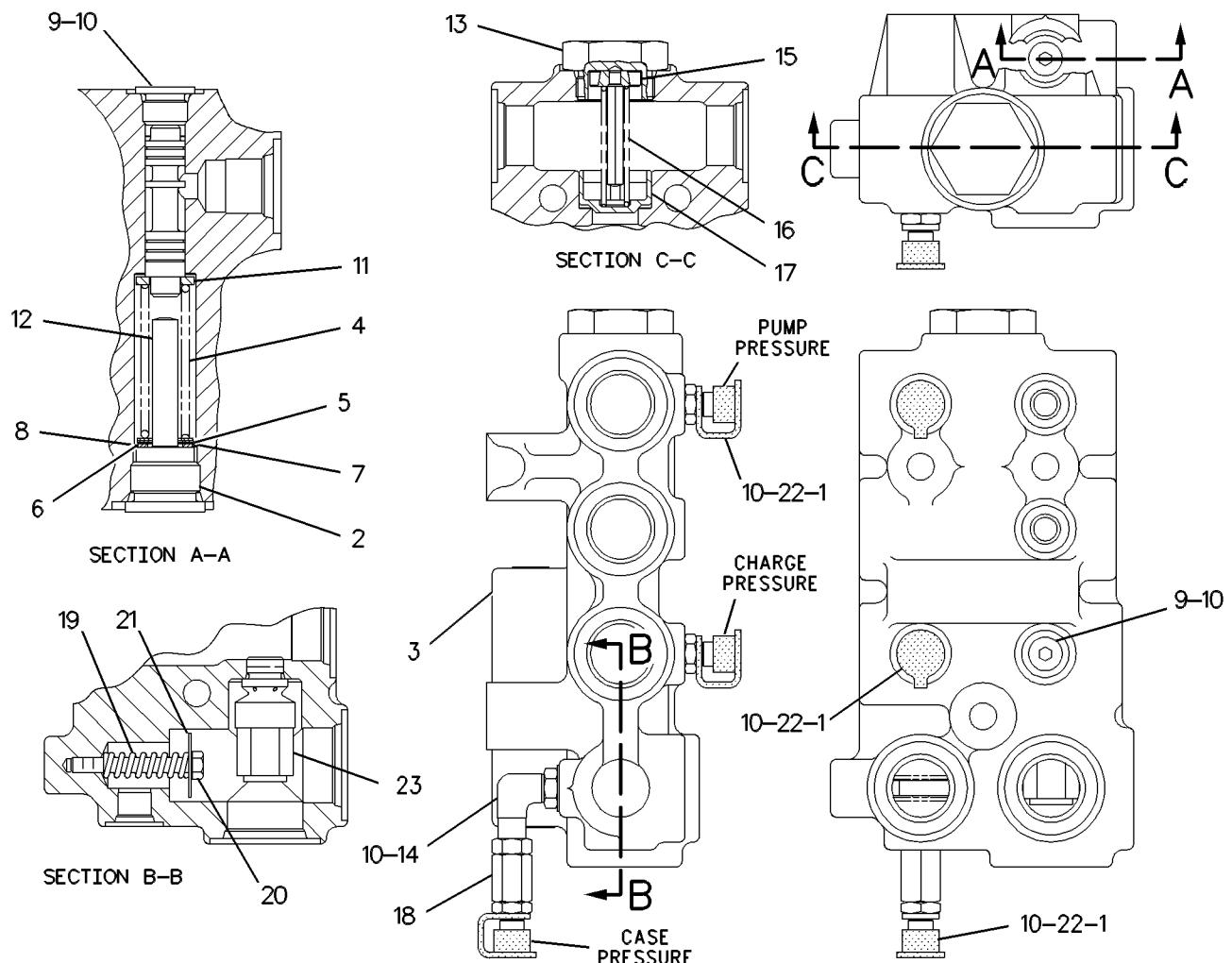
B-USE AS REQUIRED

Y-SEPARATE ILLUSTRATION

# HYDRAULIC SYSTEM

9T-8704 VALVE GP - PRESSURE CONTROL (*contd.*)

i01066514



GRAPHIC #1

g00555554

# HYDRAULIC SYSTEM

## 109-6942 VALVE GP-QUICK-DROP

S/N: 9EM1-UP

PART OF 108-1009 LINES GP-BULLDOZER MANIFOLD

SMCS-5110

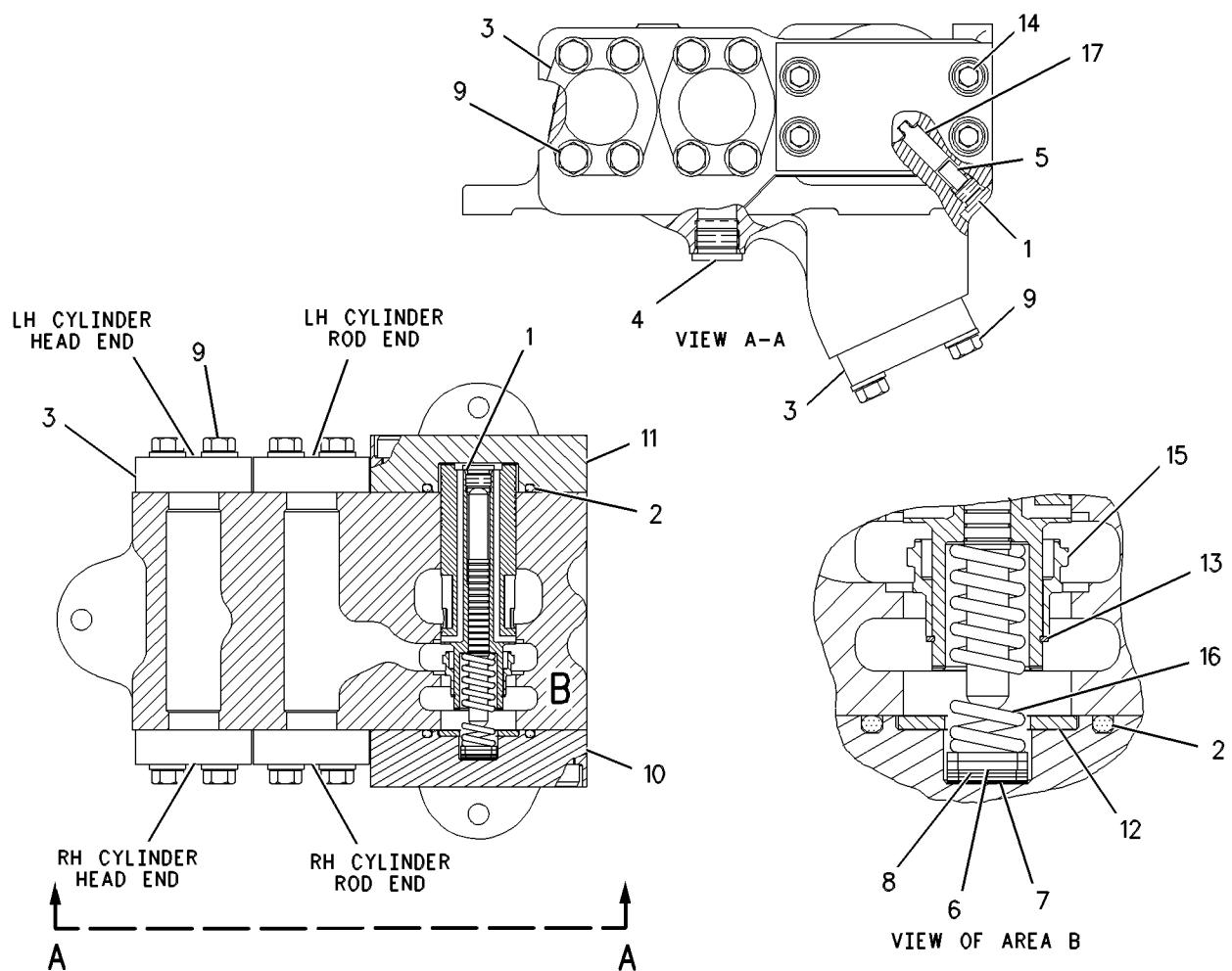
i01140715

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		<b>9S-8003</b>	2	PLUG-O-RING (1/2-20 THD)	
			<b>1J-9671</b>	2	SEAL-O-RING (10.52MM ID)	
2	1		<b>1P-3706</b>	2	SEAL (57.9MM ID)	
3	1		<b>1P-4577</b>	12	FLANGE-HALF	
4	1		<b>9S-8006</b>	1	PLUG-O-RING (7/8-14 THD)	
			<b>2M-9780</b>	1	SEAL-O-RING (19.18MM ID)	
5	1		<b>3L-3813</b>	1	PIN	
B	6	1	<b>083-7784</b>	2	SHIM (2.0MM THK)	
B	7	1	<b>4M-6980</b>	3	SHIM (.25MM THK)	
B	8	1	<b>4T-4659</b>	3	SHIM (.80MM THK)	
9	1		<b>5S-7382</b>	24	BOLT (3/8-16X34.92)	
			<b>8T-4896</b>	24	WASHER-HARD (2.5MM THK)	
10	1		<b>6E-4532</b>	1	COVER	
11	1		<b>6E-4533</b>	1	COVER	
12	1		<b>6E-4907</b>	1	STOP	
13	1		<b>6K-8162</b>	1	RING-RETAINING	
14	1		<b>7B-7525</b>	8	BOLT-SOCKET HEAD (7/16-14X1.25IN)	
15	1		<b>9T-9836</b>	1	SLEEVE-ORIFICE	
16	1		<b>108-1847</b>	1	SPRING	
17	1		<b>100-6211</b>	1	PISTON	
<b>B-USE AS REQUIRED</b>						

# HYDRAULIC SYSTEM

109-6942 VALVE GP-QUICK-DROP (contd.)

i01140715



GRAPHIC #1

g00604229

# HYDRAULIC SYSTEM

## 6E-4402 VALVE GP-RELIEF

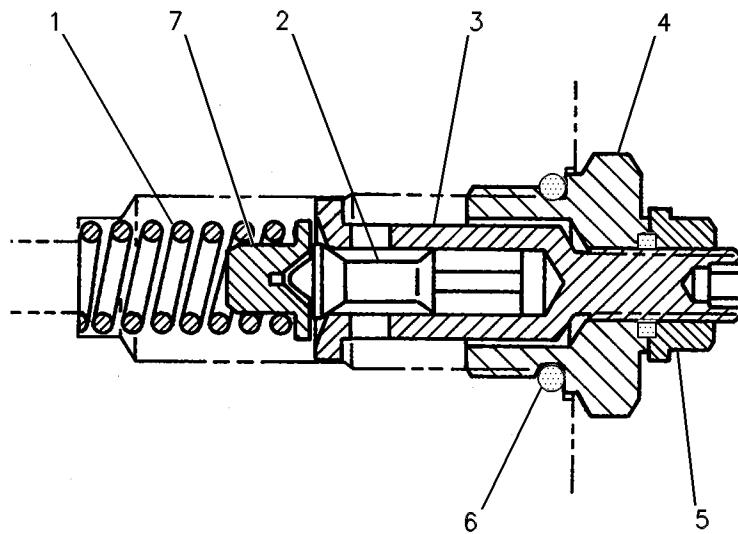
S/N: 9EM1-UP

PART OF 6E-4379 HEAD GP-PUMP

SMCS-5069, 5117

i00570797

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		6E-4405	1	SPRING						
2	1		6E-4404	1	VALVE - POPPET						
3	1		6E-4406	1	SCREW - ADJUSTMENT						
4	1		6E-4403	1	PLUG						
5	1		6E-4240	1	NUT - SEALING						
6	1		6V-8352	1	SEAL - O-RING						
7	1		6E-4388	1	RETAINER - SPRING						



GRAPHIC #1

g00252131

# HYDRAULIC SYSTEM

## 9T-9905 VALVE GP - RELIEF

S/N: 9EM1-UP

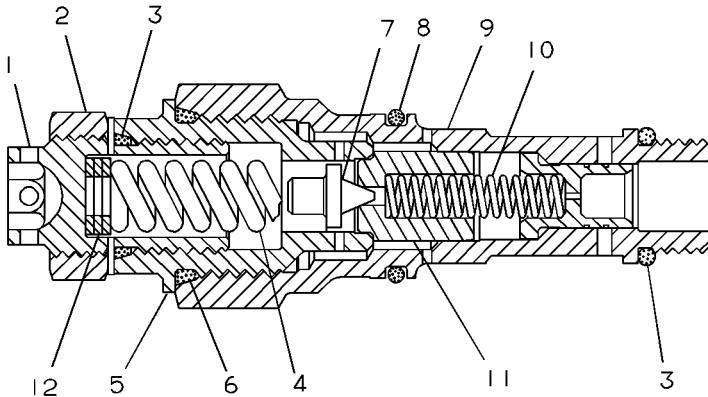
PILOT OPERATED

PART OF 6E-1360 MANIFOLD GP

SMCS-5069, 5117

i00151220

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
1	1		9T-7202	1	RETAINER AS							
2	1		9X-6395	1	NUT-ORFS (3/4-16 THD)							
3	1		3K-0360	2	SEAL-O-RING (16.36MM ID)							
4	1		4T-2770	1	SPRING							
5	1		9T-7195	1	HOUSING							
6	1		3D-2824	1	SEAL-O-RING (23.47MM ID)							
7	1		8J-0331	1	VALVE							
8	1		7J-9933	1	SEAL-O-RING (21.89MM ID)							
9	1		4T-7517	1	VALVE GP							
10	1		4T-7520	1	SPRING							
11	1		4T-7519	1	SEAT							
12	1		8T-0334	3	WASHER-HARD							



GRAPHIC #1

g00114159

# HYDRAULIC SYSTEM

## 104-7574 VALVE GP-RELIEF

S/N: 9EM1-UP

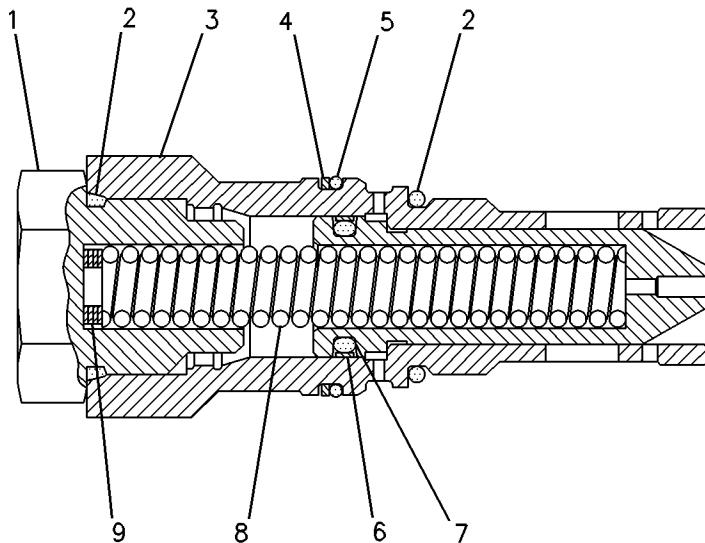
PART OF 6E-1360 MANIFOLD GP

SMCS-5069, 5117

i00569772

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
1	1		106-3922	1	PLUG							
2	1		7M-8485	2	SEAL-O-RING (29.74MM ID)							
3	1		4T-1009	1	VALVE GP							
4	1		4T-5075	1	RING-BACKUP							
5	1		6V-5393	1	SEAL-O-RING							
6	1		4T-1011	1	RING-SEAL							
7	1		5F-7054	1	SEAL-O-RING (18.6MM ID)							
8	1		4T-1005	1	SPRING							
B	9	1	5S-7001	4	SPACER (.91MM THK)							

B-USE AS REQUIRED



GRAPHIC #1

g00233165

# HYDRAULIC SYSTEM

## 183-8409 VALVE GP-RELIEF

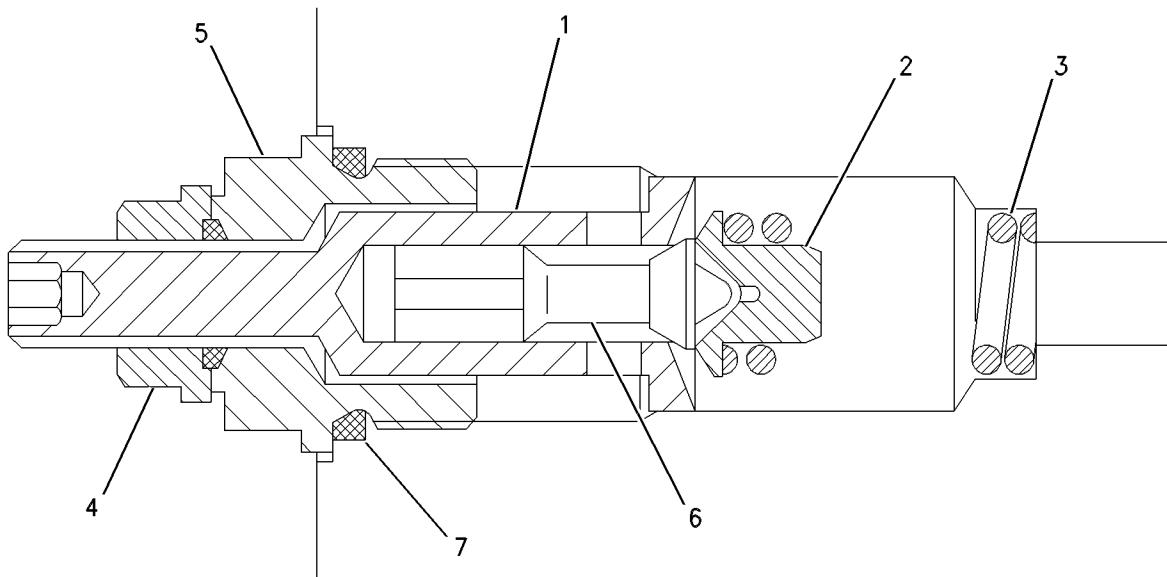
S/N: 9EM1-UP

PART OF 183-8414 HEAD GP-PUMP

SMCS-5069, 5117

i01320719

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		183-8410	1	SCREW						
2	1		183-8412	1	RETAINER						
3	1		183-8413	1	SPRING						
4	1		6E-4240	1	NUT-SEALING						
5	1		6E-4403	1	PLUG						
6	1		6E-4404	1	VALVE - POPPET						
7	1		6V-5326	1	SEAL - O-RING (23.47MM ID)						



GRAPHIC #1

g00664657

# HYDRAULIC SYSTEM

## 4T-1860 VALVE GP-SHUTTLE

S/N: 9EM1-UP

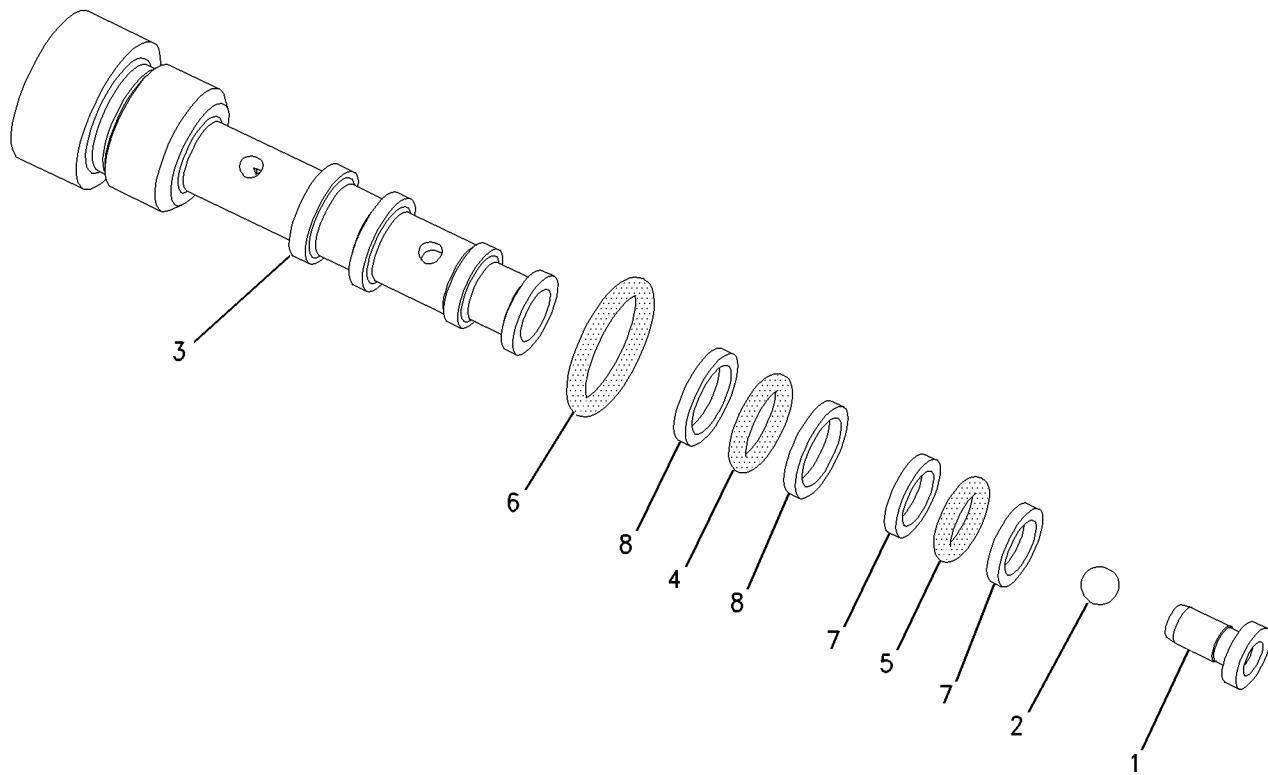
PART OF 6E-1359, 9T-8989, 9T-8991 VALVE GP-CONTROL

SMCS-5079

i01502182

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
Z	1	1		1	SEAT						
	2	1	1M-6718	1	BALL						
Z	3	1		1	VALVE						
	4	1	8C-3085	1	SEAL-O-RING						
	5	1	6V-5586	1	SEAL-O-RING						
	6	1	3J-1907	1	SEAL-O-RING						
	7	1	4T-5070	2	RING-BACKUP						
	8	1	4T-5071	2	RING-BACKUP						

Z-NOT SERVICED SEPARATELY



GRAPHIC #1

g00775006

# HYDRAULIC SYSTEM

## 3E-8575 VALVE GP-SOLENOID

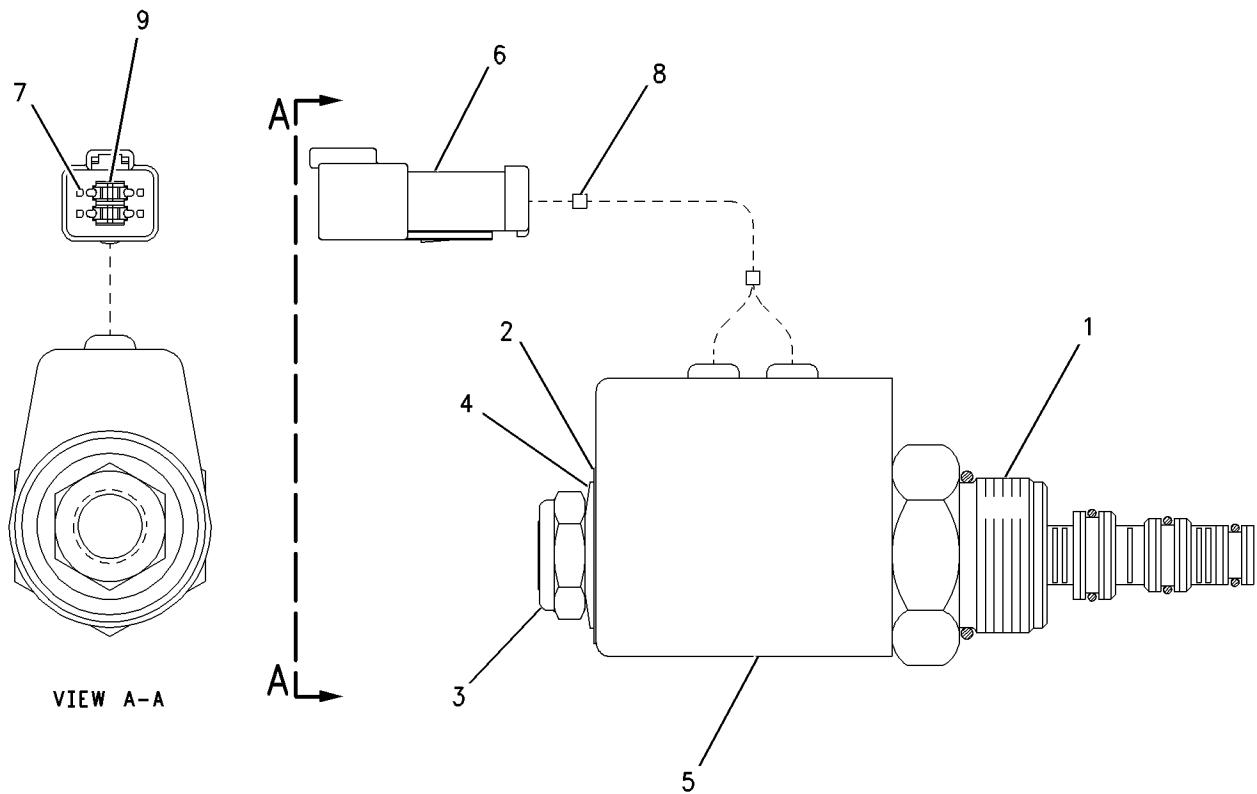
S/N: 9EM1-UP

PART OF 188-6140 VALVE & MTG GP-CONTROL  
AN ATTACHMENT

SMCS-5479

i01488918

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6		
1	1		6T-3382	1	CARTRIDGE AS							
2	1		160-5843	1	WASHER-IDENTIFICATION							
3	1		157-2284	1	LOCKNUT-SPECIAL (5/8-18 THD)							
4	1		160-5844	1	SPRING-BELLEVILLE							
5	1		3E-8581	1	COIL AS							
6	1		102-8804	1	KIT-RECEPTACLE (4 PIN) (INCLUDES RECEPTACLE AS & WEDGE)							
7	1		186-3735	4	PIN-CONNECTOR							
8	1		1S-9593	2	STRAP-CABLE							
9	1		3E-3377	1	WEDGE-RECEPTACLE LOCK							
AVAILABLE REPAIR KIT(S) :												
126-5948      1      KIT-SEAL (INCLUDES SEALS & RINGS)												



GRAPHIC #1

g00623320

# HYDRAULIC SYSTEM

## 127-0574 VALVE GP-SOLENOID

S/N: 9EM1-UP

PART OF 9T-8347 VALVE GP-DIVERTER  
AN ATTACHMENT

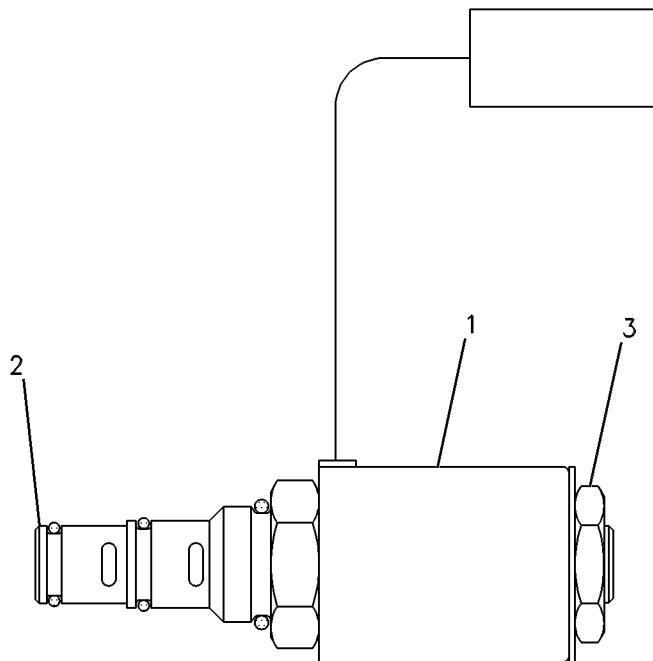
SMCS-5479

i00569777

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		127-0576	1	COIL AS						
	1		1S-9593	2	STRAP-CABLE (0.62IN DIA)						
	1		7N-7779	1	SOCKET						
	1		7N-7780	1	PIN-CONNECTOR						
	1		7N-9737	1	HOUSING-PLUG						
2	1		100-4915	1	CARTRIDGE AS						
3	1		104-3947	1	LOCKNUT (5/8-11 THD)						

AVAILABLE REPAIR KIT(S) :

7T-4515 1 KIT-SEAL  
(INCLUDES 3 O-RINGS)



GRAPHIC #1

g00109095

# IMPLEMENT

## 151-2979 BLOCK GP - PUSH

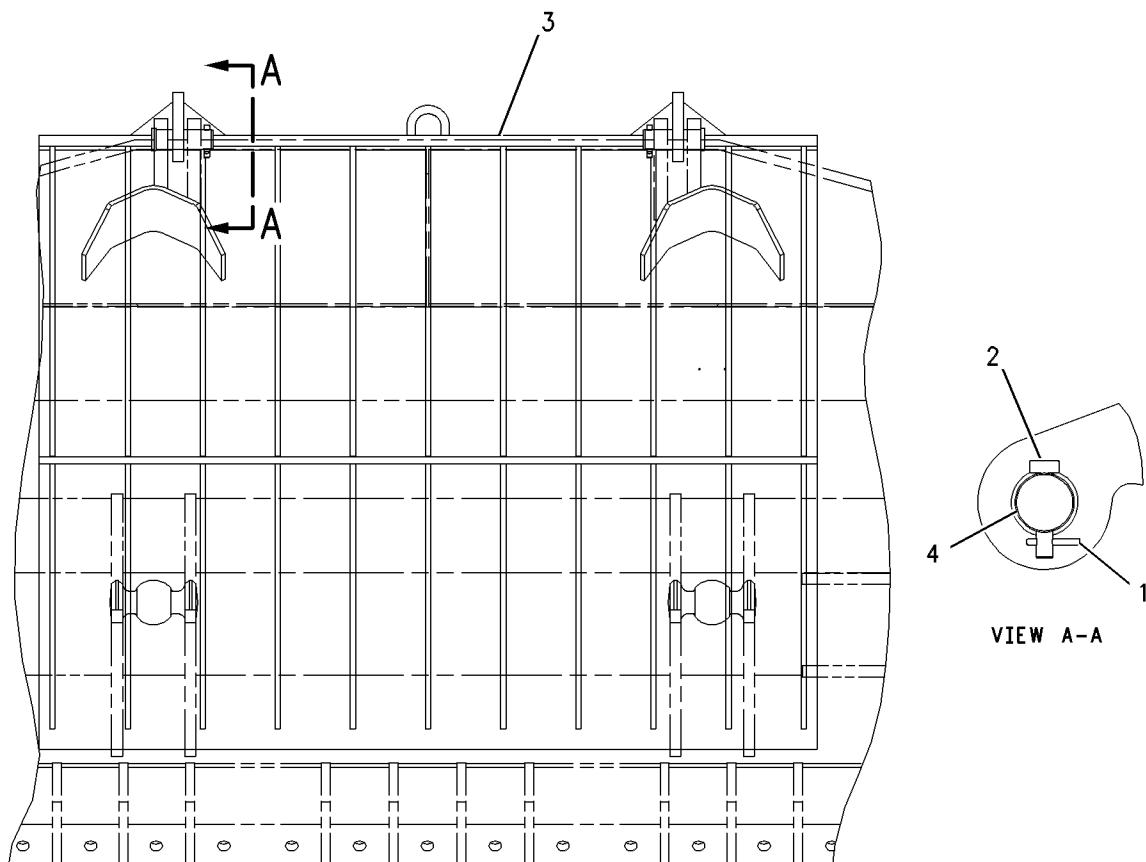
S/N: 3MP1-UP

PART OF 163-9464 BLADE & EDGE GP  
AN ATTACHMENT

SMCS-6062

i01239674

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		3B-4628	2	COTTER						
2	1		4F-0255	2	PIN						
3	1		151-2980	1	BLOCK AS-PUSH						
	1		1J-3508	1	EYE-LIFTING						
	1		151-2984	2	BRACKET						
4	1		3F-6185	2	PIN						



REAR VIEW

GRAPHIC #1

g00662953

# IMPLEMENT

## 8E-6190 BRACE GP-BULLDOZER

S/N: 4ZP1-99999

PART OF 111-8283 BULLDOZER AR, 125-9171 BULLDOZER AR-ANGLING  
AN ATTACHMENT

SMCS-6074

i00570933

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
M	1	1	8T-4175	8	BOLT (M16X2.0X90MM)						
	2	1	3J-5190	2	CAP-BEARING						
	3	1	8E-6577	1	ARM AS-LH						
		1	8E-6578	1	ARM AS-RH						
					(EACH ARM AS INCLUDES)						
	4	1	8E-6576	1	BEARING						
	5	1	7T-9144	1	END AS						
					(EACH END AS INCLUDES)						
		1	4J-4968	2	LOCKRING						
		1	7T-9147	1	BEARING						
	6	1	6J-5179	2	RETAINER						
Y	7	1	8E-6439	2	BRACE GP-BULLDOZER						892
	8	1	3J-3493	2	STUD-BALL						
	9	1	5P-0370	2	LOCKPIN						
	10	1	4F-1252	2	PIN						
B	11	1	8E-5818	56	SHIM						
	12	1	3G-7016	2	PIN						
M	13	1	7X-2574	4	BOLT						

B-USE AS REQUIRED

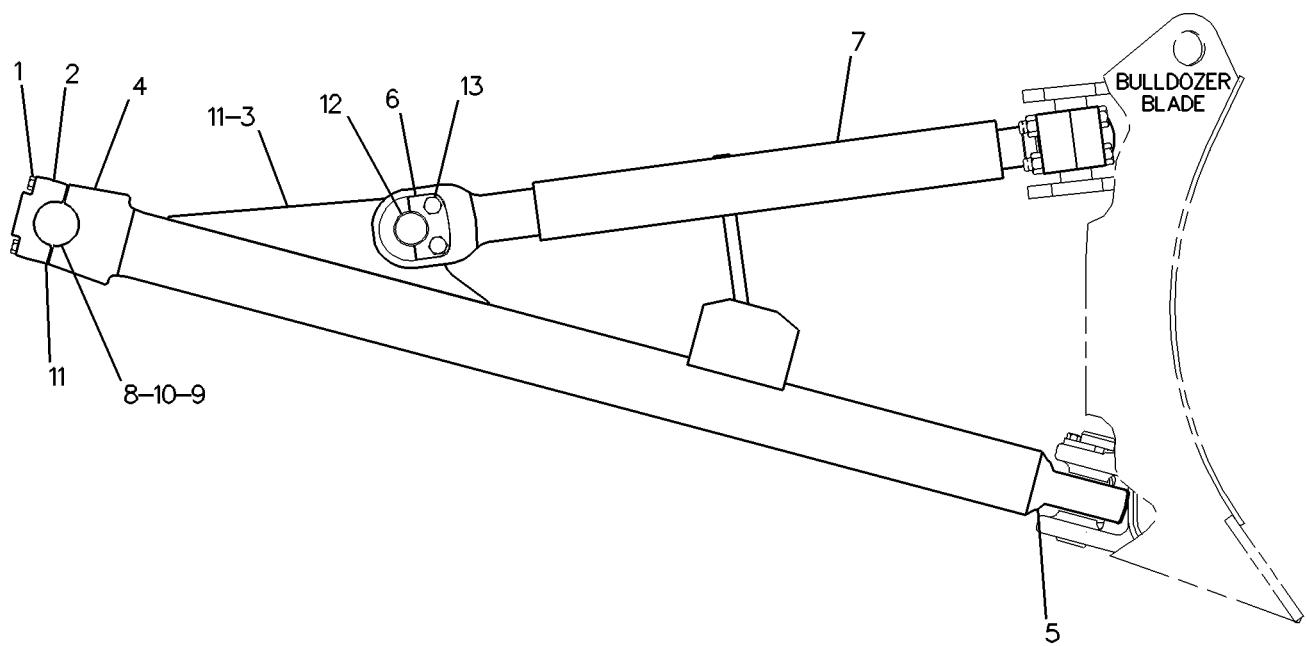
M-METRIC PART

Y-SEPARATE ILLUSTRATION

# IMPLEMENTATION

**8E-6190 BRACE GP - BULLDOZER (contd.)**

i00570933



## GRAPHIC #1

g00216134

# IMPLEMENT

## 8E-6439 BRACE GP-BULLDOZER

S/N: 4ZP1-99999; BHR1-UP

MANUAL TILT

PART OF 159-8153, 8E-6190 BRACE GP-BULLDOZER  
AN ATTACHMENT

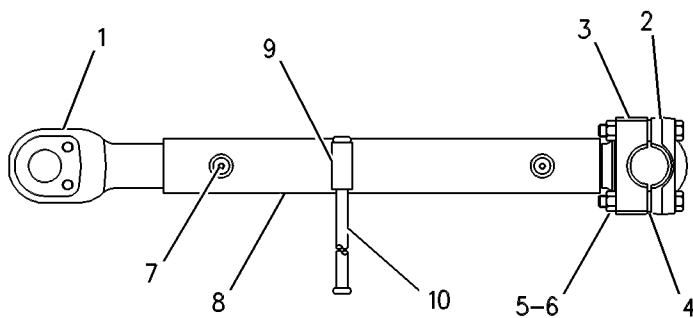
SMCS-6074

i00935758

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8E-6176	1	SCREW						
	2	1	160-6309	1	CAP-BEARING						
	3	1	8J-9152	1	SCREW-ADJUSTMENT						
B	4	1	8J-9180	28	SHIM (.02IN THK EACH)						
M	5	1	8T-4001	4	NUT (M24X3.00 THD)						
M	6	1	7X-2567	4	BOLT (M24X3X160 MM)						
	7	1	3B-8489	2	FITTING-GREASE						
	8	1	9W-4931	1	BRACE AS						
	9	1	8J-4867	1	LUG						
	10	1	7T-9153	1	HANDLE						

B-USE AS REQUIRED

M-METRIC PART



GRAPHIC #1

g00471930

# IMPLEMENT

## 159-8153 BRACE GP - BULLDOZER

S/N: BHR1-UP

PART OF 159-8378, 175-3852 BULLDOZER AR  
AN ATTACHMENT

SMCS-6074

i01442126

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		3G-7016	2	PIN						
2	1		3J-5190	2	CAP-BEARING						
	1		8E-5818	14	SHIM						
3	1		5P-0370	2	LOCKPIN						
4	1		6J-5179	2	RETAINER						
B	5	1	8E-5818	56	SHIM						
Y	6	1	8E-6439	2	BRACE GP-BULLDOZER						892
7	1		156-4125	1	ARM AS-LH						
8	1		156-4126	1	ARM AS-RH						
					( EACH ARM AS INCLUDES )						
	1		9W-4414	2	PLATE						
	1		156-4124	1	NUT						
	1		156-4127	1	BEARING						
	1		156-4128	1	END AS						
	1		4J-4968	2	LOCK RING						
	1		7T-9147	1	BEARING						
	1		163-5116	1	BRACKET AS						
9	1		158-3653	2	PIN						
10	1		158-3657	2	BALLSTUD						
M	11	1	7X-2574	4	BOLT (M24X3.0X45MM)						
M	12	1	8T-4175	8	BOLT (M16X2.0X90MM)						

B-USE AS REQUIRED

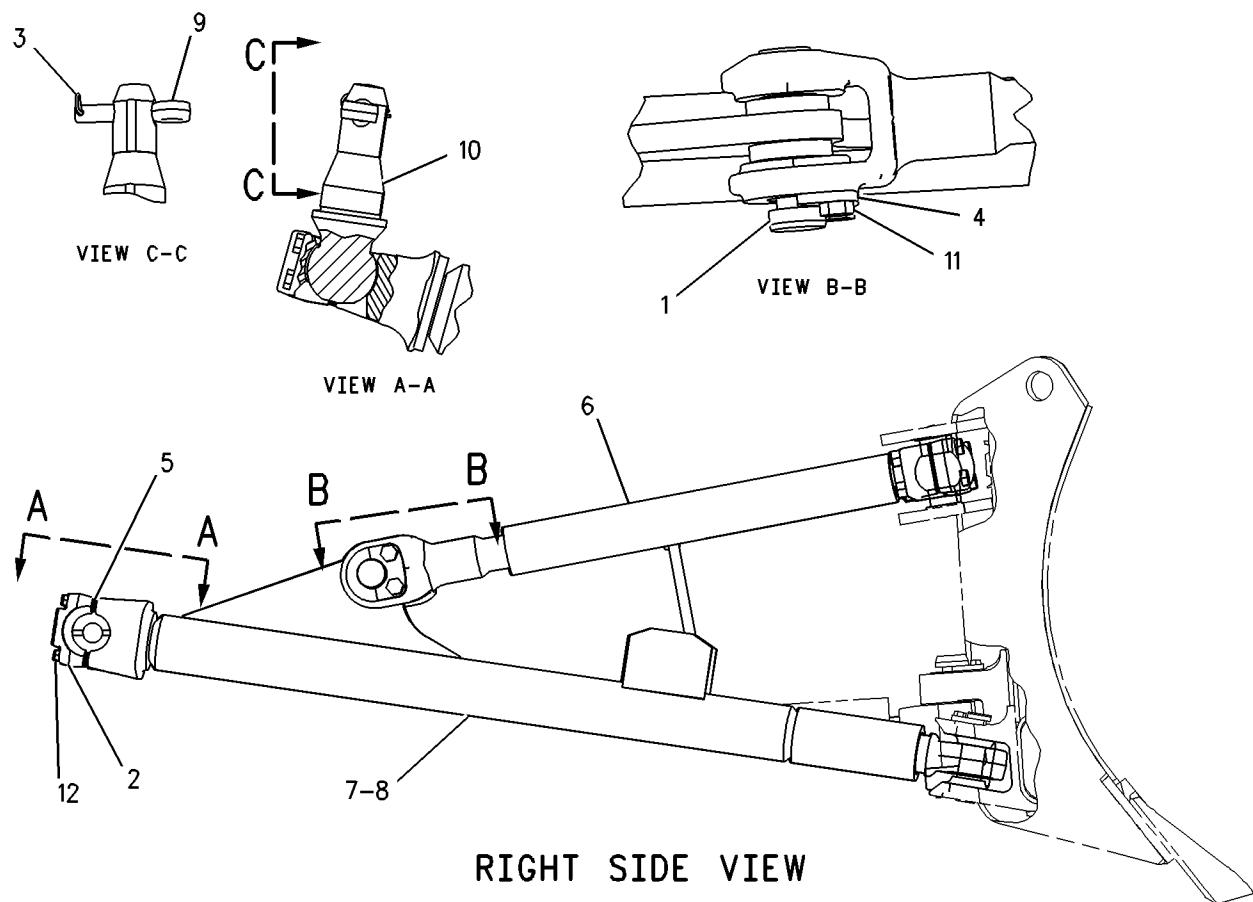
M-METRIC PART

Y-SEPARATE ILLUSTRATION

# IMPLEMENT

159-8153 BRACE GP - BULLDOZER (contd.)

i01442126



GRAPHIC #1

g00672327

# IMPLEMENT

## 111-8283 BULLDOZER AR

S/N: 4ZP1-99999

AN ATTACHMENT

SMCS-6050

i01034674

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	8E-6189	1	BLADE GP-ANGLING						970
Y	8E-6190	1	BRACE GP-BULLDOZER						890
Y	108-6980	1	CYLINDER & LINES GP-LIFT						756
Y	108-6979	1	CYLINDER & LINES GP-LIFT						754
Y	8E-6191	1	FRAME GP-ANGLING						908
Y	115-8392	1	LIGHTING GP-FRONT						396
Y	6I-8788	1	MOUNTING GP-CYLINDER						925
Y	5P-4963	1	PLATE & FILM GP						1209
Y	9W-8276	1	TRUNNION GP-BULLDOZER						947

Y - SEPARATE ILLUSTRATION

# IMPLEMENT

## 119-0486 BULLDOZER AR

S/N: BHE1-UP

UNIVERSAL

AN ATTACHMENT

SMCS-6050

i01239337

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	8E-6150	1	BLADE GP-UNIVERSAL						973
Y	115-6905	1	LINES GP-TILT CYLINDER						820
Y	5P-4963	1	PLATE & FILM GP						1209
Y	118-3173	1	PUSH ARM GP-STABILIZER						940
Y	9W-8276	1	TRUNNION GP-BULLDOZER						947

Y-SEPARATE ILLUSTRATION

# IMPLEMENT

## 159-1631 BULLDOZER AR

S/N: 9TP1-UP

AN ATTACHMENT

SMCS-6050

i01614654

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	8E-6151	1	BLADE GP-SEMI-UNIVERSAL						972
Y	201-5703	1	LINES GP-TILT CYLINDER						824
Y	5P-4963	1	PLATE & FILM GP						1209
Y	118-3173	1	PUSH ARM GP-STABILIZER						940
Y	9W-8276	1	TRUNNION GP-BULLDOZER						947

Y-SEPARATE ILLUSTRATION

# IMPLEMENT

## 159-8378 BULLDOZER AR

S/N: BHR1-UP

ANGLING

AN ATTACHMENT

SMCS-6050

i01442288

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
			1	2	3	4	5	6		
Y	151-1151	1	BLADE GP-ANGLING							971
Y	159-8153	1	BRACE GP-BULLDOZER							894
Y	159-8142	1	C-FRAME GP							906
Y	5P-4963	1	PLATE & FILM GP							1209
Y	9W-8276	1	TRUNNION GP-BULLDOZER							947

Y-SEPARATE ILLUSTRATION

# IMPLEMENTS

## 163-9463 BULLDOZER AR

S/N: 3MP1-UP

PUSH BLOCK

FOR USE WITH SEMI-UNIVERSAL BULLDOZER  
AN ATTACHMENT

SMCS-6050

i01239761

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	163-9464	1	BLADE & EDGE GP						960
Y-SEPARATE ILLUSTRATION									

# IMPLEMENT

## 175-3852 BULLDOZER AR

S/N: BHR1-UP

ANGLING

AN ATTACHMENT

SMCS-6050

i01442050

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	151-1151	1	BLADE GP-ANGLING						971
Y	159-8153	1	BRACE GP-BULLDOZER						894
Y	159-8142	1	C-FRAME GP						906
Y	108-6979	1	CYLINDER & LINES GP-LIFT						754
Y	108-6980	1	CYLINDER & LINES GP-LIFT						756
Y	115-8392	1	LIGHTING GP-FRONT						396
Y	6I-8788	1	MOUNTING GP-CYLINDER						925
Y	9W-8276	1	TRUNNION GP-BULLDOZER						947
	<b>8T-7371</b>	1	PLATE-SERIAL NUMBER						
	<b>4B-4158</b>	2	SCREW-DRIVE (3/16X0.25 IN)						

Y-SEPARATE ILLUSTRATION

# IMPLEMENTS

## 125-9171 BULLDOZER AR-ANGLING

S/N: 4ZP1-99999

AN ATTACHMENT

SMCS-6050, 6052

i01034739

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	8E-6189	1	BLADE GP-ANGLING						970
Y	8E-6190	1	BRACE GP-BULLDOZER						890
Y	8E-6191	1	FRAME GP-ANGLING						908
Y	5P-4963	1	PLATE & FILM GP						1209
Y	9W-8276	1	TRUNNION GP-BULLDOZER						947

Y-SEPARATE ILLUSTRATION

# IMPLEMENT

## 111-8281 BULLDOZER AR-SEMI-UNIVERSAL

S/N: 3MP1-UP

AN ATTACHMENT

SMCS-6050, 6078

i01034627

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	6I-8788	1	MOUNTING GP-CYLINDER						925
Y	8E-6151	1	BLADE GP-SEMI-UNIVERSAL						972
Y	9W-8276	1	TRUNNION GP-BULLDOZER						947
Y	108-6979	1	CYLINDER & LINES GP-LIFT						754
Y	108-6980	1	CYLINDER & LINES GP-LIFT						756
Y	115-6905	1	LINES GP-TILT CYLINDER						820
Y	115-8392	1	LIGHTING GP-FRONT						396
Y	5P-4963	1	PLATE & FILM GP						1209
Y	118-3173	1	PUSH ARM GP-STABILIZER						940

Y-SEPARATE ILLUSTRATION

# IMPLEMENT

## 111-8279 BULLDOZER AR-UNIVERSAL

S/N: BHE1-UP

AN ATTACHMENT

SMCS-6050, 6053

i01310182

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	8E-6150	1	BLADE GP-UNIVERSAL						973
Y	108-6979	1	CYLINDER & LINES GP-LIFT (LH)						754
Y	108-6980	1	CYLINDER & LINES GP-LIFT (RH)						756
Y	115-8392	1	LIGHTING GP-FRONT						396
Y	115-6905	1	LINES GP-TILT CYLINDER						820
Y	6I-8788	1	MOUNTING GP-CYLINDER						925
Y	5P-4963	1	PLATE & FILM GP						1209
Y	118-3173	1	PUSH ARM GP-STABILIZER						940
Y	9W-8276	1	TRUNNION GP-BULLDOZER						947

Y- SEPARATE ILLUSTRATION

# IMPLEMENT

## 159-8142 C-FRAME GP

S/N: BHR1-UP

PART OF 159-8378, 175-3852 BULLDOZER AR  
AN ATTACHMENT

SMCS-6063

i01478783

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3G-9571	2	KEY						
	2	1	193-3063	2	CAP-BEARING						
B	3	1	9W-7602	56	SHIM (.8MM THK)						
	4	1	159-8125	1	PIN-PIVOT						
M	5	1	8T-4131	32	NUT (M20X2.5 THD)						
M	6	1	3E-9850	4	BOLT (M30X3.5X220MM)						
	7	1	163-2013	1	RETAINER						
M	8	1	7X-2562	2	BOLT (M20X2.5X45MM)						
M	9	1	7X-2565	32	BOLT (M20X2.5X100MM)						
	10	1	195-6283	4	NUT-SQUARE (M30X3.5 THD)						
	11	1	8T-4123	64	WASHER-PLATED (22X35X3.5MM THK)						
	12	1	159-8143	1	C-FRAME AS (LH)						
	13	1	1J-6744	1	BEARING						
	14	1	1U-2533	1	BAR						
	15	1	3G-9626	1	END-JOINT						
	16	1	7T-5140	1	STEP						
	17	1	8E-6443	1	TRUNNION AS						
	18	1	8P-9770	1	PLATE						
	19	1	159-8144	1	C-FRAME AS (RH)						
	20	1	1J-6744	1	BEARING						
	21	1	1U-2533	1	BAR						
	22	1	7T-5140	1	STEP						
	23	1	8E-6444	1	TRUNNION AS						
	24	1	8P-9770	1	PLATE						
	25	1	159-8939	1	ADAPTER AS						
		1	160-1660	2	BEARING-SLEEVE						
	26	1	5M-6214	1	PLUG-PIPE						
	27	1	9X-8258	4	WASHER (33X56X6MM THK)						

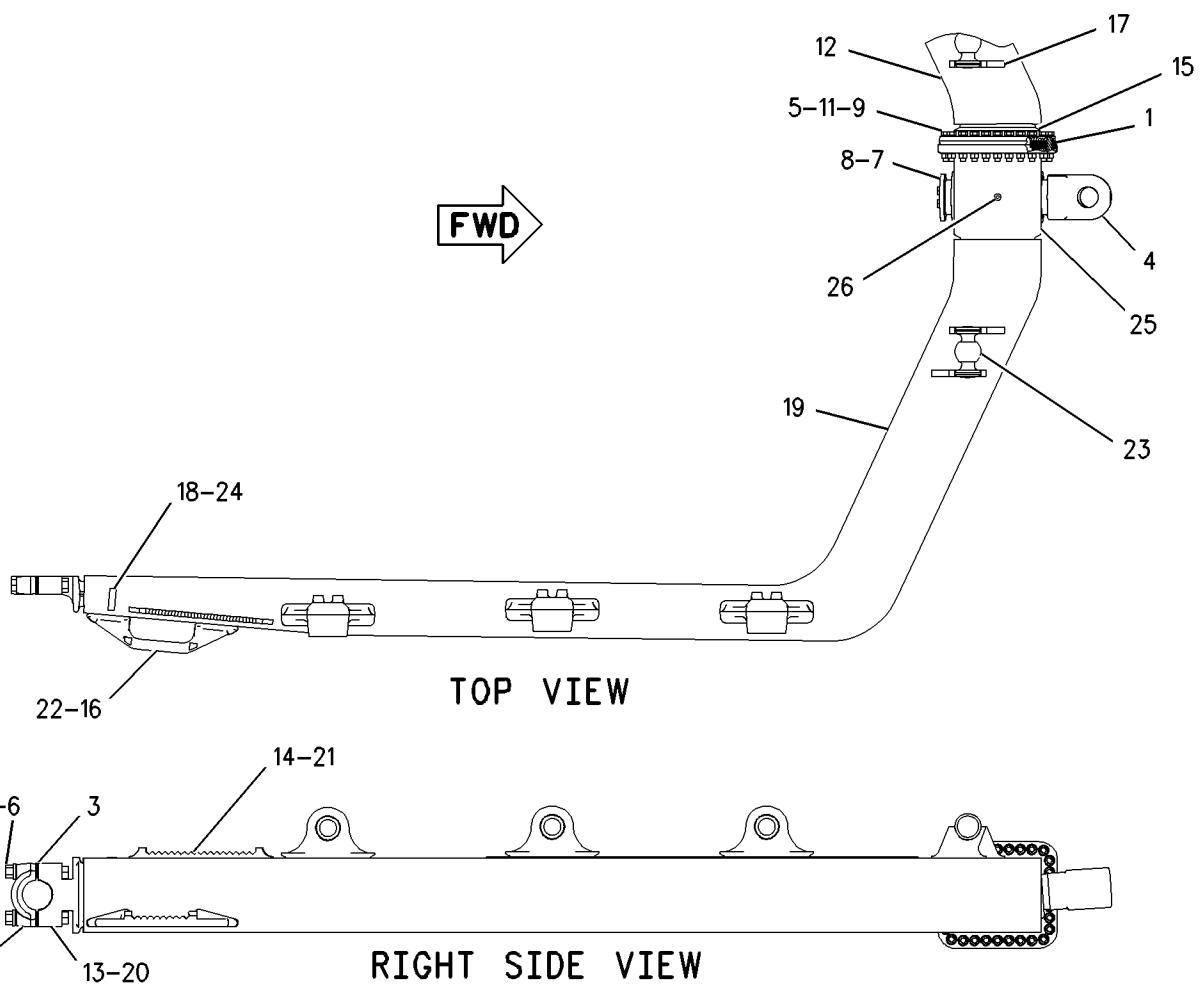
B-USE AS REQUIRED

M-METRIC PART

# IMPLEMENT

159-8142 C-FRAME GP (*contd.*)

i01478783



GRAPHIC #1

g00758337

# IMPLEMENT

## 8E-6191 FRAME GP-ANGLING

S/N: 4ZP1-99999

TWO PIECE

PART OF 111-8283 BULLDOZER AR, 125-9171 BULLDOZER AR-ANGLING  
AN ATTACHMENT

SMCS-6087

i01123582

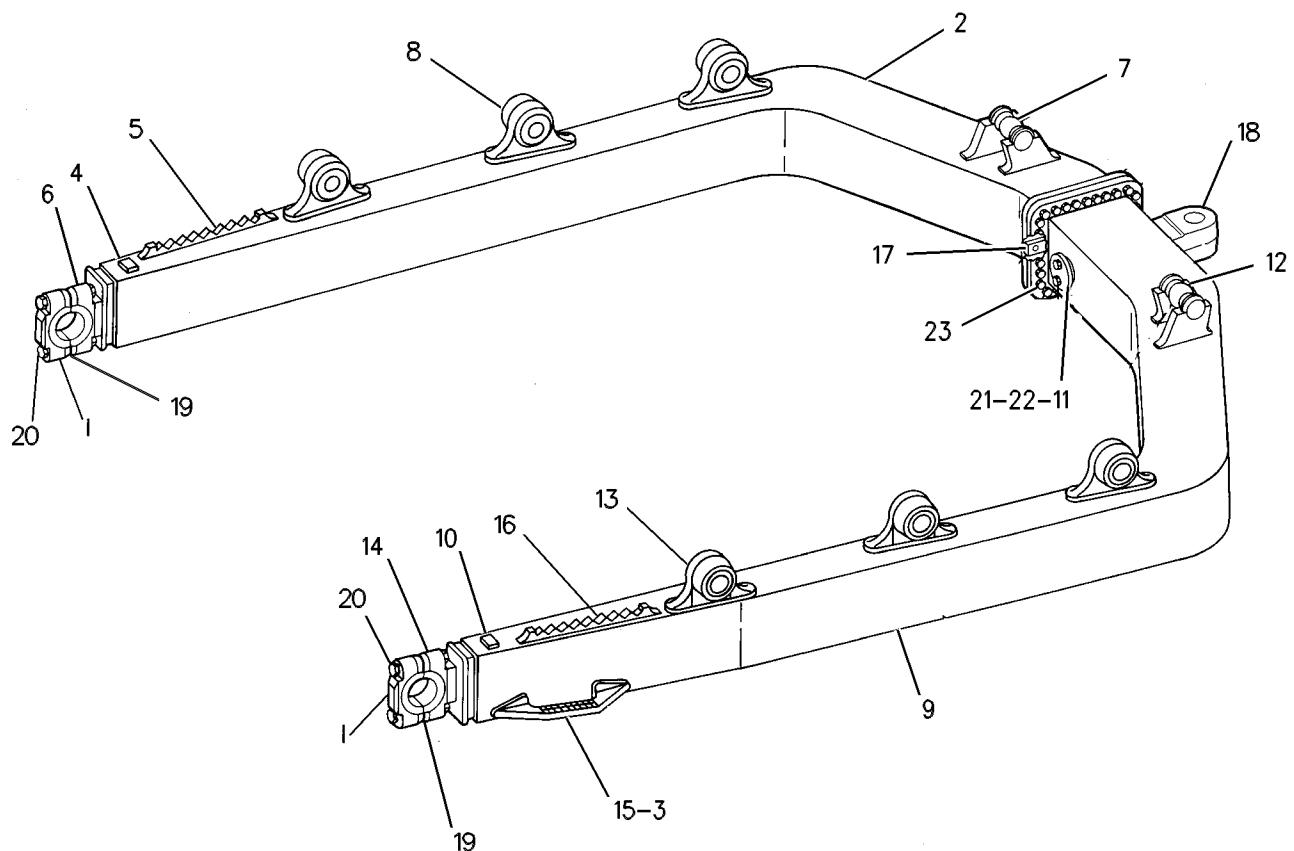
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		6F-7523	2	CAP-BEARING						
2	1		8E-6440	1	C-FRAME AS-LH						
3	1		7T-5140	1	STEP						
4	1		8P-9770	1	PLATE						
5	1		1U-2533	1	BAR						
6	1		1J-6744	1	BEARING						
7	1		9J-0123	1	TRUNNION						
8	1		8F-4387	6	PLATE						
	1		3J-7798	3	BRACKET						
9	1		8E-6441	1	C-FRAME AS-RH						
10	1		8P-9770	1	PLATE						
11	1		8E-5488	2	BEARING-SLEEVE						
	1		5M-6214	1	PLUG-PIPE (1/8-27 THD)						
12	1		9J-0123	1	TRUNNION						
13	1		3J-7798	3	BRACKET						
	1		8F-4387	6	PLATE						
14	1		1J-6744	1	BEARING						
15	1		7T-5140	1	STEP						
16	1		1U-2533	1	BAR						
17	1		3G-9571	2	KEY						
18	1		8E-6442	1	PIN-PIVOT						
B	19	1	9W-7602	56	SHIM (.8MM THK)						
M	20	1	9X-6385	4	BOLT (M30X3.5X200MM)						
M		1	8C-8722	4	NUT (M30X3.50 THD)						
	21	1	163-2013	1	RETAINER						
M	22	1	7X-2562	2	BOLT (M20X2.5X45MM)						
M	23	1	7X-2565	32	BOLT (M20X2.5X100MM)						
M		1	8T-4131	32	NUT (M20X2.50 THD)						
	1		8T-4123	64	WASHER-PLATED (3.5MM THK)						

B-USE AS REQUIRED  
M-METRIC PART

# IMPLEMENT

8E-6191 FRAME GP-ANGLING (*contd.*)

i01123582



GRAPHIC #1

g00594047

# IMPLEMENT

## 7T-3744 FRAME GP-RIPPER

S/N: 9EH1-99999

PART OF 6Y-9458 RIPPER AR  
AN ATTACHMENT

SMCS-6314, 7067

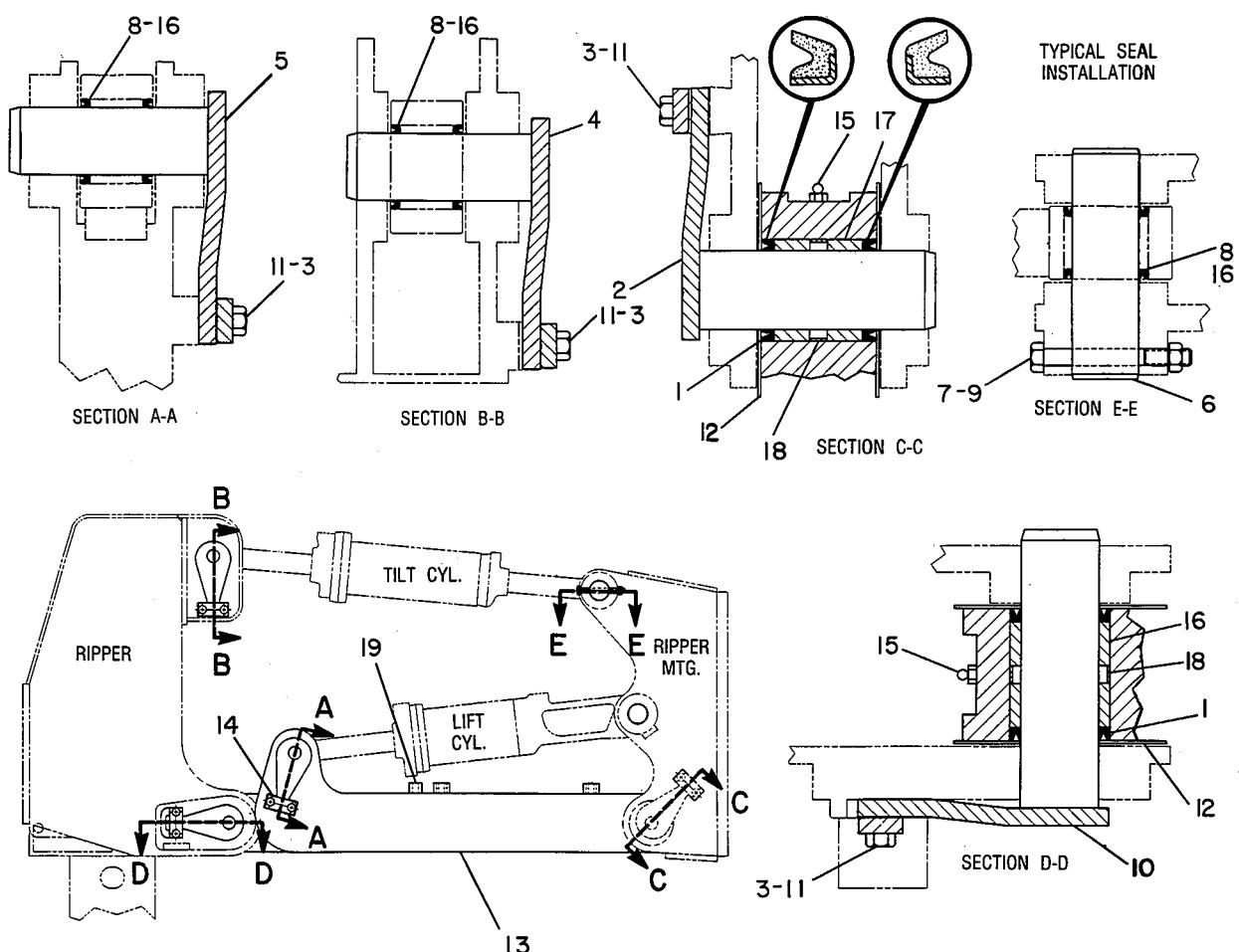
i01065454

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		3E-6757	8	SEAL-LIP						
2	1		4T-1389	2	PIN AS						
3	1		7T-7305	8	PLATE						
4	1		3J-7283	2	FITTING (65 DEG)						
5	1		4T-0203	4	PIN AS						
6	1		1U-0990	2	PIN						
7	1		1K-6870	2	LOCKNUT (3/4-10 THD)						
8	1		3E-6756	16	SEAL-LIP						
9	1		7X-0377	2	BOLT						
10	1		6J-9482	2	PIN AS						
11	1		7X-0365	16	BOLT (3/4-10X1.50IN)						
B	12	1	4T-3522	16	WASHER						
	13	1	7T-3745	1	FRAME AS						
	14	1	3G-1877	2	RETAINER						
	15	1	3B-8489	4	FITTING						
	16	1	4T-9751	4	BEARING-SLEEVE (89.38MM ID X 50MM WIDE)						
	17	1	7T-3746	4	BEARING-SLEEVE (89.38MM ID X 40MM WIDE)						
	18	1	4T-0207	4	SPACER						
	19	1	4S-1722	2	BOSS						
	B-USE AS REQUIRED										

# IMPLEMENT

7T-3744 FRAME GP-RIPPER (*contd.*)

i01065454



GRAPHIC #1

g00234306

# IMPLEMENT

## 7T-5535 FRAME GP-RIPPER

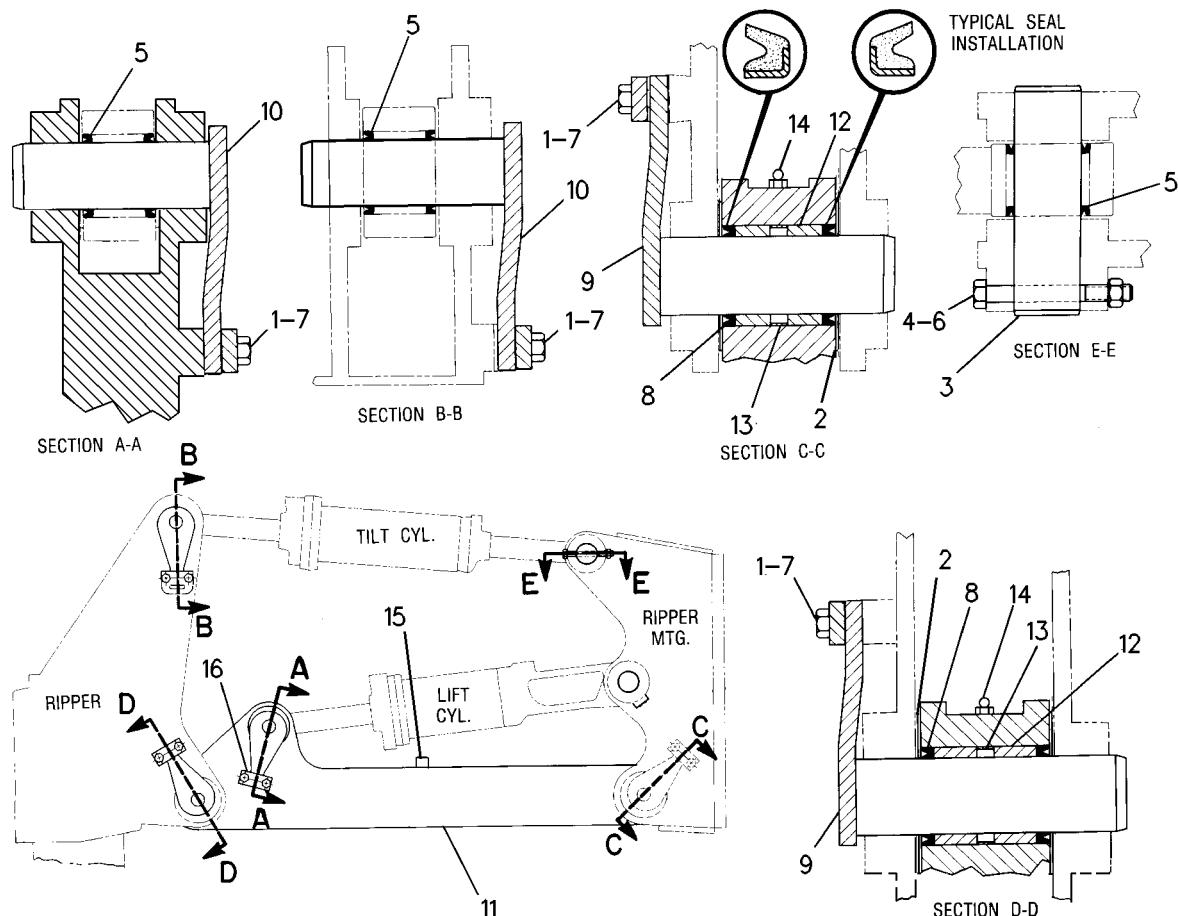
S/N: 9FH1-99999  
PART OF 8E-1588 RIPPER AR  
AN ATTACHMENT

SMCS-6314, 7067

i00571692

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE					
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		7T-7305	8	PLATE						
B	2	1	4T-3522	16	WASHER						
3	1		1U-0990	2	PIN						
4	1		1K-6870	2	LOCKNUT (3/4-10 THD)						
5	1		3E-6756	16	SEAL-LIP						
6	1		7X-0377	2	BOLT						
7	1		7X-0365	16	BOLT (3/4-10X1.50IN)						
8	1		3E-6757	8	SEAL-LIP						
9	1		4T-1389	4	PIN AS						
10	1		4T-0203	4	PIN AS						
11	1		7T-7001	1	FRAME AS						
12	1		7T-3746	8	BEARING-SLEEVE						
13	1		4T-0207	4	SPACER						
14	1		3B-8489	4	FITTING-GREASE (1/8-27 THD)						
15	1		4S-1722	2	BOSS						
16	1		3G-1877	2	RETAINER						

B-USE AS REQUIRED



GRAPHIC #1

g00231566

# IMPLEMENT

## 153-3133 FRAME GP-RIPPER

S/N: CXW1-UP

MULTI SHANK

PART OF 188-2700 RIPPER AR  
AN ATTACHMENT

SMCS-6314, 7067

i01443020

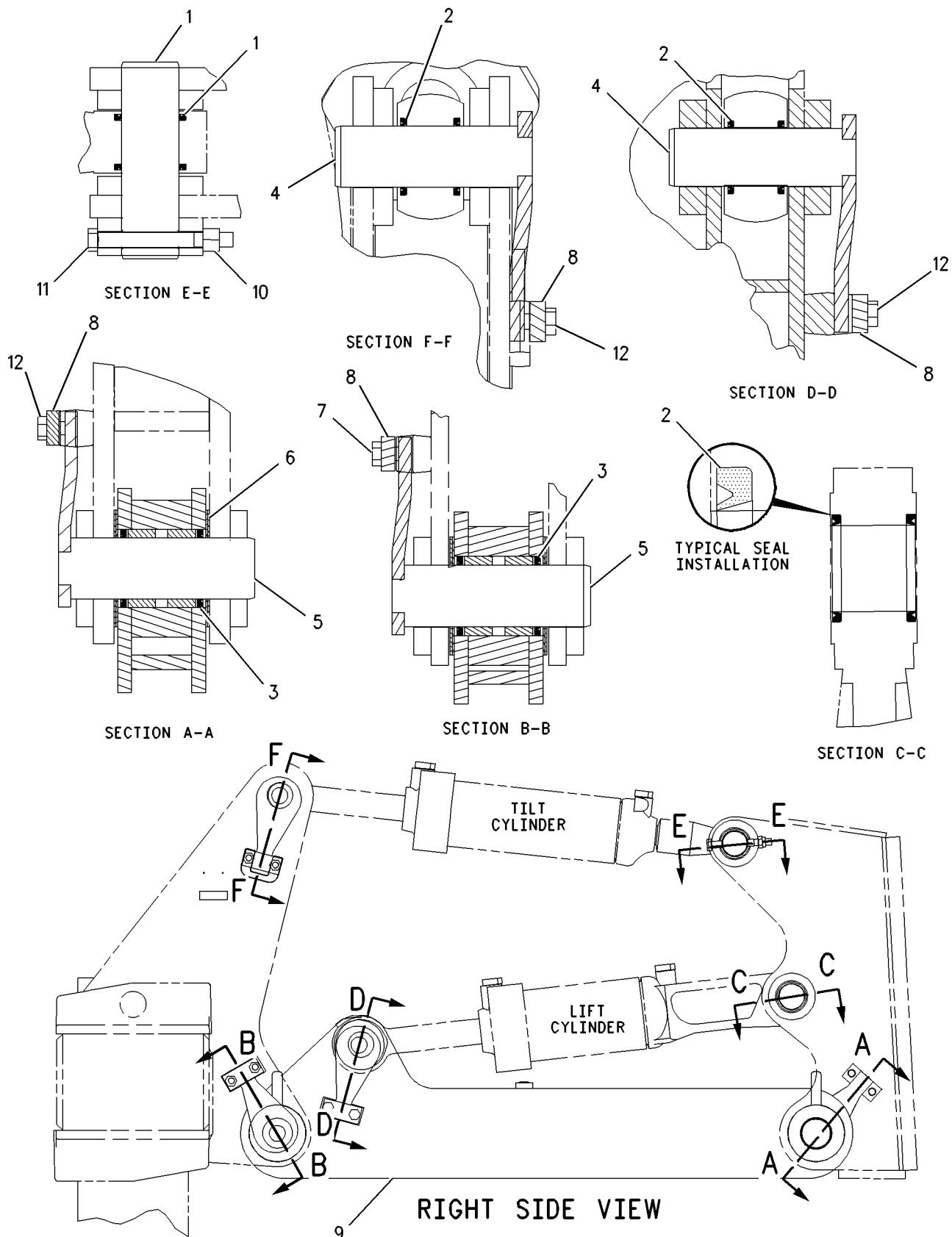
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		1U-0990	2	PIN						
2	1		3E-6756	16	SEAL-LIP						
3	1		3E-6757	8	SEAL-LIP						
4	1		4T-0203	4	PIN AS						
5	1		4T-1389	4	PIN AS						
6	1		4T-3522	16	WASHER						
M	7	1	8T-5460	16	BOLT (M20X2.5X40MM)						
	8	1	7T-7305	8	PLATE						
	9	1	155-7861	1	FRAME AS-RIPPER						
	1		3B-8489	4	FITTING-GREASE						
	1		7T-3746	8	BEARING-SLEEVE						
	1		8P-9770	1	PLATE						
M	10	1	6V-7688	2	LOCKNUT						
M	11	1	7X-2568	2	BOLT (M20X2.5X180MM)						

M-METRIC PART

# IMPLEMENT

153-3133 FRAME GP-RIPPER (contd.)

i01443020



GRAPHIC #1

g00640790

# IMPLEMENT

## 153-3134 FRAME GP-RIPPER

S/N: CXA1-UP

SINGLE SHANK

PART OF 188-2699 RIPPER AR  
AN ATTACHMENT

SMCS-6314, 7067

i01442884

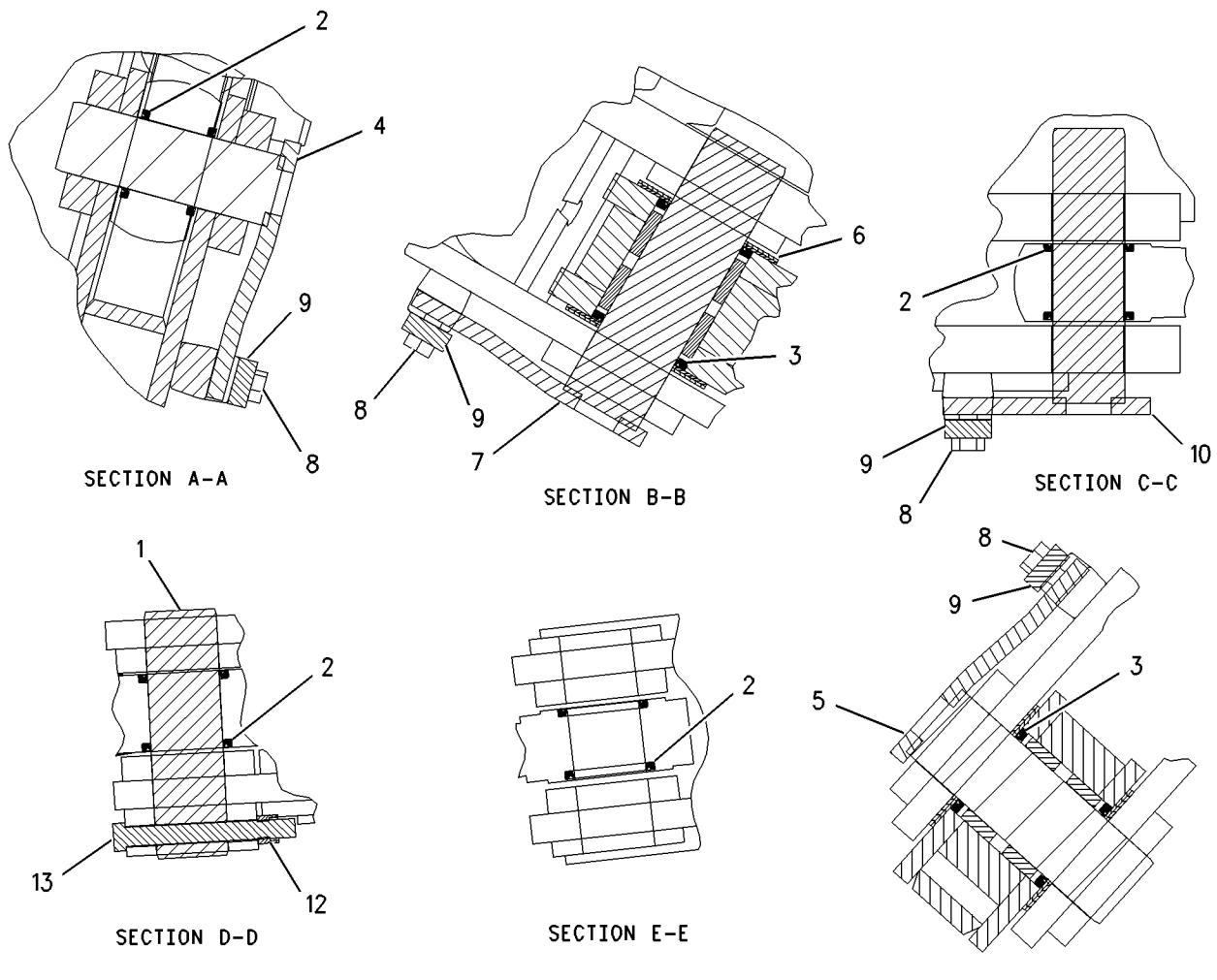
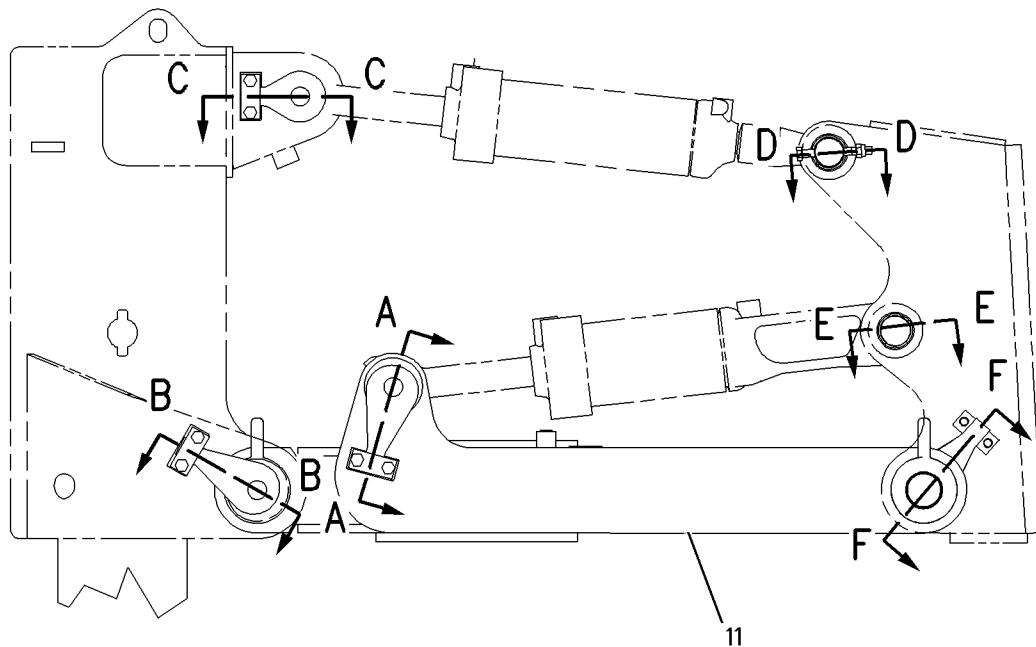
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		1U-0990	2	PIN						
2	1		3E-6756	16	SEAL-LIP						
3	1		3E-6757	8	SEAL-LIP						
4	1		4T-0203	2	PIN AS						
5	1		4T-1389	2	PIN AS						
6	1		4T-3522	16	WASHER						
7	1		6J-9482	2	PIN AS						
M	8	1	8T-5460	16	BOLT (M20X2.5X40MM)						
	9	1	7T-7305	8	PLATE						
10	1		132-7994	2	PIN AS						
	1		5J-1205	1	PIN						
11	1		154-0240	1	FRAME & BEARING AS						
	1		3B-8489	4	FITTING-GREASE						
	1		4T-9751	4	BEARING-SLEEVE (50MM LG)						
	1		7T-3746	4	BEARING-SLEEVE (40MM LG)						
M	12	1	6V-7688	2	LOCKNUT						
M	13	1	7X-2568	2	BOLT (M20X2.5X180MM)						

M-METRIC PART

# IMPLEMENT

153-3134 FRAME GP-RIPPER (contd.)

i01442884



GRAPHIC #1

g00647544

# IMPLEMENT

## 6I-8677 LINK GP-STABILIZER

S/N: BHE1-UP; 3MP1-UP

PART OF 118-3173 PUSH ARM GP-STABILIZER  
AN ATTACHMENT

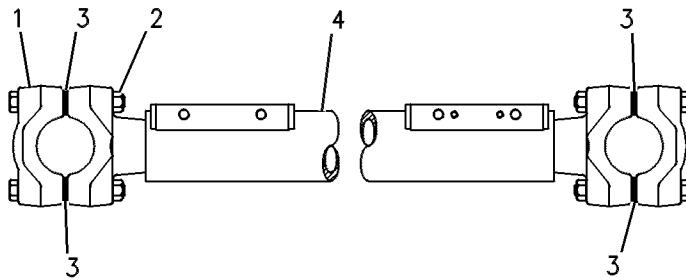
SMCS-6071, 7203

i00919697

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
	1	1	160-6307	2	CAP-BEARING						
M	2	1	7X-2578	8	BOLT (M24X3X200MM)						
M		1	8T-4001	8	NUT (M24X3.00 THD)						
B	3	1	6I-8675	52	SHIM (.60MM THK)						
	4	1	6I-8679	1	LINK AS						
		1	8P-9770	1	PLATE						
		1	6I-8676	2	BEARING						

B-USE AS REQUIRED

M-METRIC PART



GRAPHIC #1

g00246827

# IMPLEMENT

## 158-6398 LINK GP-STABILIZER

S/N: BHE1-UP; 3MP1-UP; 9TP1-UP  
PART OF 118-3173 PUSH ARM GP-STABILIZER  
AN ATTACHMENT

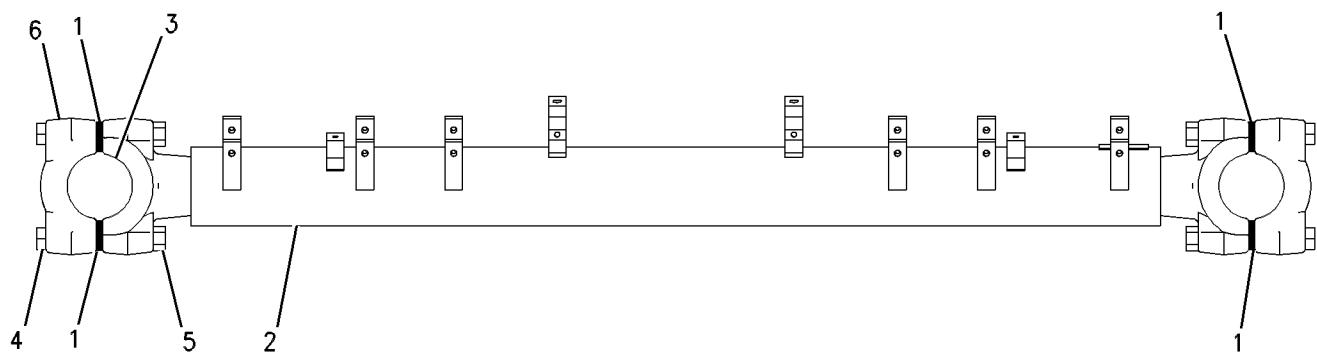
SMCS-6071, 7203

i01488674

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
B	1	1	6I-8675	52	SHIM (.60MM THK)						
	2	1	202-4981	1	LINK AS						
	3	1	6I-8676	2	BEARING						
M	4	1	7X-2578	8	BOLT (M24X3X200MM)						
M	5	1	8T-4001	8	NUT (M24X3 THD)						
	6	1	160-6307	2	CAP-BEARING						

B-USE AS REQUIRED

M-METRIC PART



GRAPHIC #1

g00556546

# IMPLEMENT

## 6Y-3522 LINKAGE GP - IMPLEMENT

S/N: 9EM1-UP

DOZER

SMCS-5063

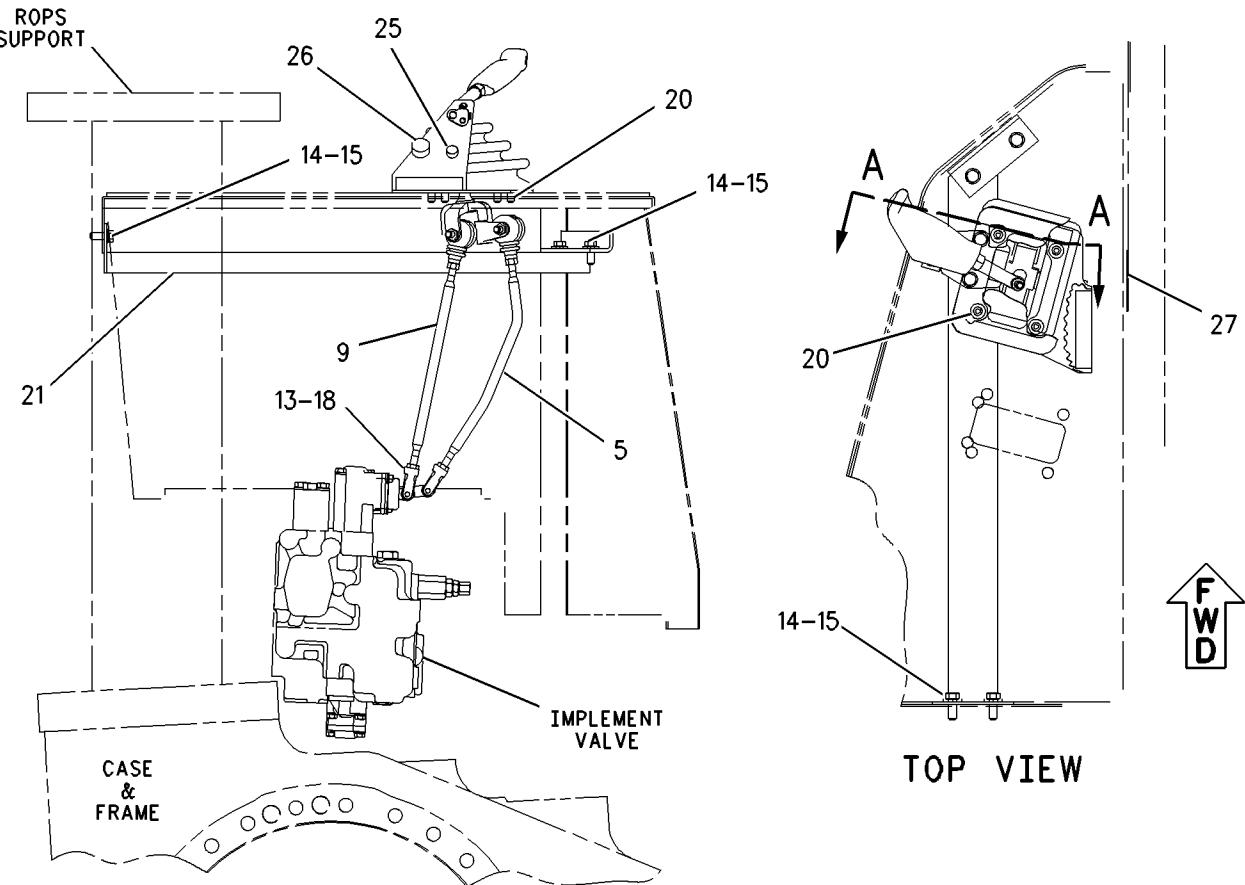
i01596079

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
					1	2	3	4	5	6	
1	1		8E-6894	1	HANDLE						
2	1		6B-6684	1	NUT-FULL (1/2-20 THD)						
3	1		3P-3676	1	CLAMP						
4	1		4L-9337	1	BOLT (3/8-16X1.5 IN)						
			6V-8801	1	NUT (3/8-16 THD)						
5	1		6Y-4823	1	ROD						
6	1		174-5732	1	SHAFT						
7	1		8E-5962	1	PLATE						
8	1		174-5733	1	SHAFT						
			1H-1200	1	PIN-SPRING						
9	1		6Y-4855	1	ROD						
10	1		8E-7364	1	BOOT						
11	1		2L-6267	2	LOCKNUT						
12	1		5J-5315	2	ROD END						
13	1		6V-8183	4	NUT-FULL (3/8-24 THD)						
14	1		4L-6454	4	BOLT (3/8-16X1 IN)						
15	1		5P-1075	6	WASHER-HARD (10.2X22.5X3MM THK)						
16	1		3T-9345	1	BRACKET						
17	1		4J-3044	4	BEARING AS-NEEDLE						
			8T-0741	8	SEAL-LIP						
18	1		1M-1341	2	END-YOKE ROD						
			8T-8932	2	PIN AS-SPRING						
19	1		8T-2502	2	BOLT (3/8-16X1.125 IN)						
20	1		6V-1193	4	SCREW-HEX SOCKET (3/8-16X.625 IN)						
21	1		3T-7376	1	CHANNEL AS						
			9F-2978	4	NUT-WELD (3/8-16 THD)						
			7T-1099	1	LINK						
22	1		127-6362	1	LEVER AS						
23	1		169-1644	2	BOOT						
24	1		127-5696	1	PLATE AS						
			4B-4463	1	RIVET						
			109-0628	1	HINGE						
			122-6133	2	WASHER (CURVED SPRING)						
25	1		9M-5617	1	GROMMET						
26	1		9D-9736	1	BUMPER						
27	1		102-2913	1	FILM-INSTRUCTION (DOZER CONTROL)						

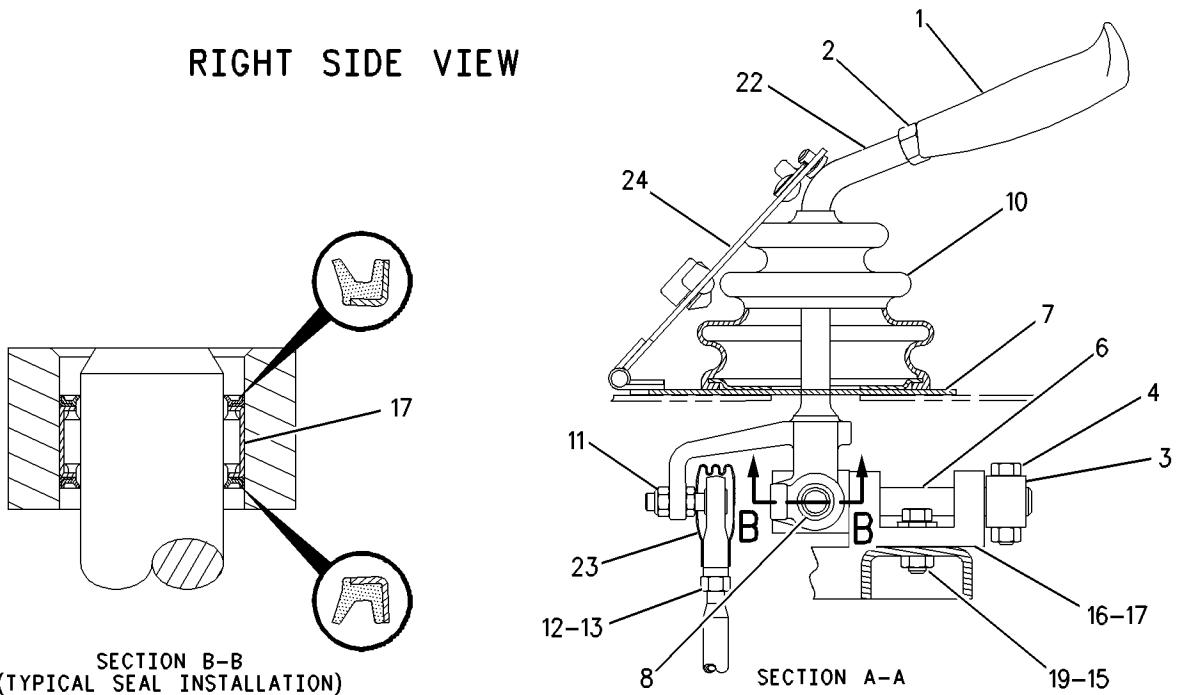
# IMPLEMENT

6Y-3522 LINKAGE GP - IMPLEMENT (contd.)

i01596079



RIGHT SIDE VIEW



GRAPHIC #1

g00705924

# IMPLEMENT

## 6Y-3528 LINKAGE GP - IMPLEMENT

S/N: 9EM1-UP

RIPPER

PART OF 108-1011 CONTROL AR-HYDRAULIC  
AN ATTACHMENT

SMCS-5063

i01596082

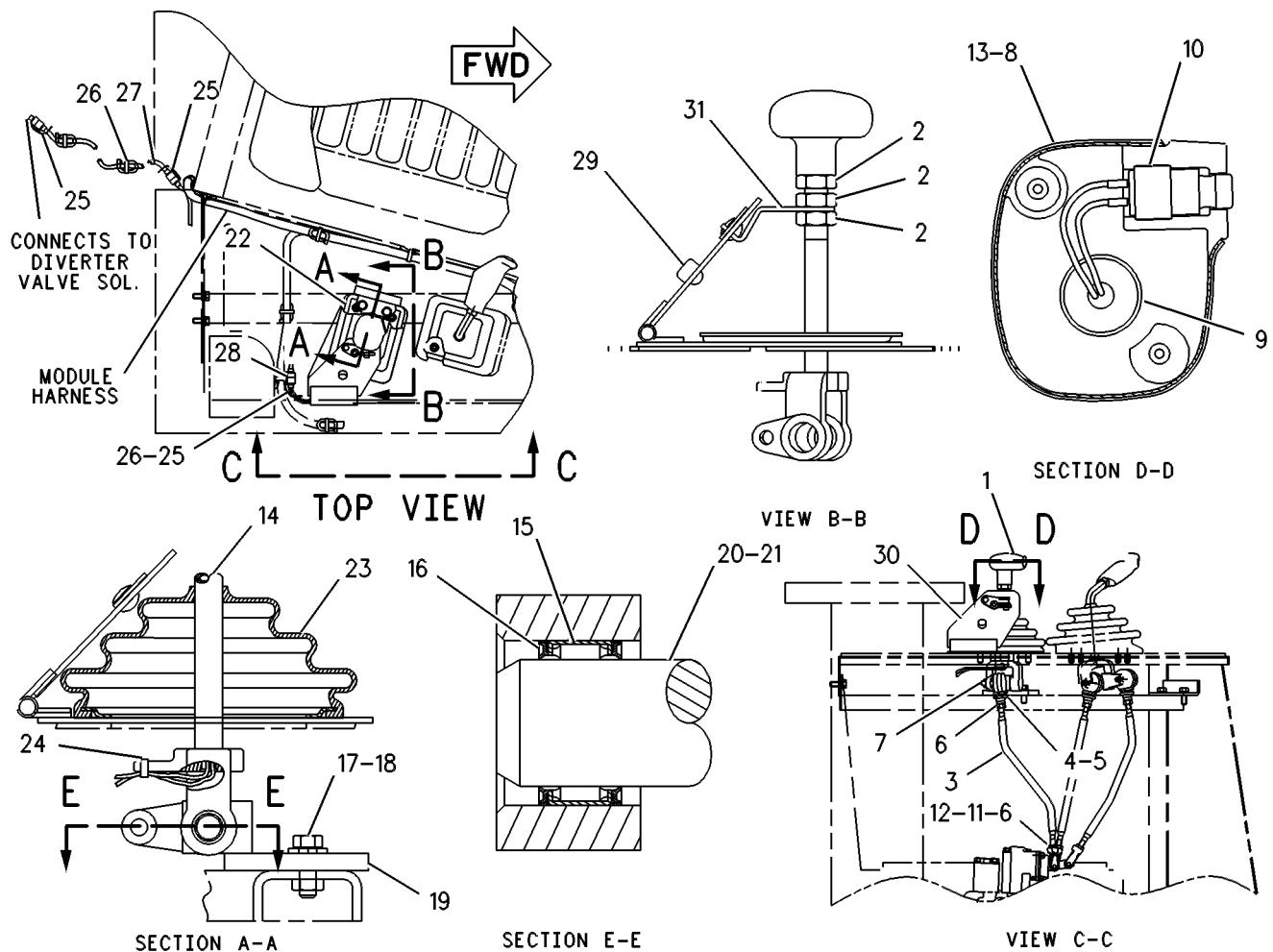
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9N-4474	1	KNOB-TOP						
C	2	1	9S-1354	3	NUT (5/8-18 THD)						
	3	1	6Y-4822	1	ROD						
	4	1	5J-5315	1	ROD END						
C	5	1	169-1644	1	BOOT						
	6	1	6V-8183	2	NUT-FULL (3/8-24 THD)						
	7	1	2L-6267	1	LOCKNUT						
	8	1	9N-4475	1	KNOB AS						
		1	9R-1767	1	BOOT						
	9	1	9R-2644	1	BUSHING-TERMINAL						
	10	1	3E-0306	1	SWITCH AS (RIPPER SHANK ADJ)						
		1	7N-7780	1	PIN-CONNECTOR (BLADE)						
		1	7N-7779	1	SOCKET-CONNECTOR						
	11	1	1M-1341	1	END-YOKE ROD						
	12	1	8T-8932	1	PIN AS-SPRING						
	13	1	110-2028	2	SCREW-PAN HEAD						
C	14	1	123-0111	1	LEVER AS						
	15	1	4J-3044	2	BEARING AS-NEEDLE						
	16	1	8T-0741	4	SEAL-LIP						
	17	1	8T-2502	2	BOLT (3/8-16X1.125 IN)						
	18	1	5P-1075	2	WASHER-HARD (10.2X22.5X3MM THK)						
	19	1	3T-9361	1	BRACKET AS						
	20	1	3T-9351	1	SHAFT						
	21	1	8T-2637	1	PIN-SPRING						
	22	1	8E-5962	1	PLATE						
	23	1	8E-7364	1	BOOT						
	24	1	3S-2093	1	STRAP-CABLE						
	25	1	3T-3048	3	CLIP AS						
	26	1	7K-1181	3	STRAP-CABLE						
	27	1	8E-4863	1	WIRE AS						
	28	1	7N-9737	1	HOUSING-PLUG						
C	29	1	9M-5617	1	GROMMET						
C	30	1	123-5802	1	PLATE AS						
C	31	1	123-5803	1	PLATE						

C-CHANGE FROM PREVIOUS TYPE

# IMPLEMENT

6Y-3528 LINKAGE GP - IMPLEMENT (contd.)

i01596082



GRAPHIC #1

g00287493

# IMPLEMENT

## 6E - 1360 MANIFOLD GP

S/N: 9EM1-UP

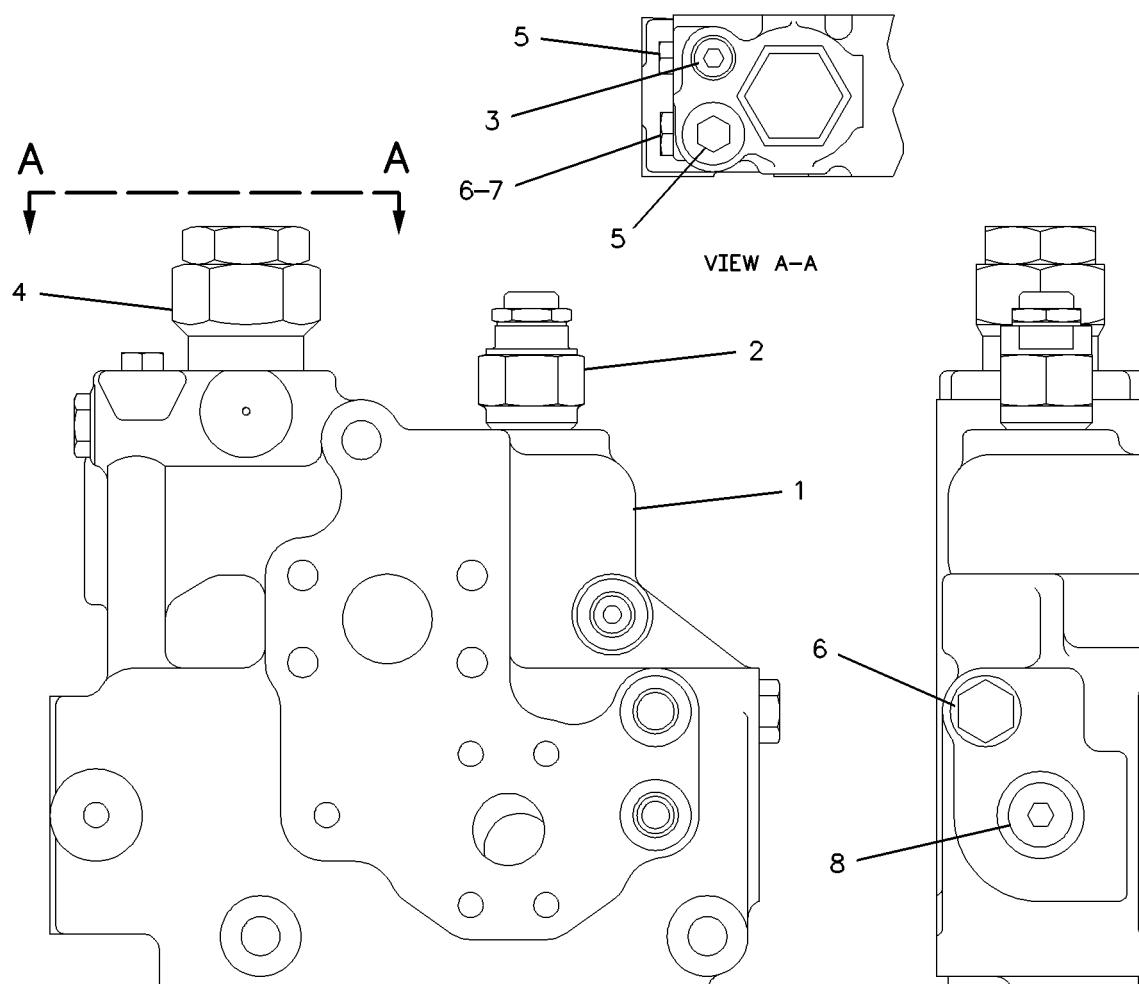
PART OF 9T-8344 VALVE GP-BANK

SMCS-5264

i00570594

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		6E-1886	1	MANIFOLD-INLET						
Y	2	1	9T-9905	1	VALVE GP-RELIEF						883
Y	3	1	4T-5896	1	VALVE GP-CHECK						866
Y	4	1	104-7574	1	VALVE GP-RELIEF						884
5	1		9S-4182	2	PLUG (7/16-20 THD)						
			3J-7354	2	SEAL-O-RING (8.92MM ID)						
6	1		9S-4191	2	PLUG-O-RING (9/16-18 THD)						
			3J-1907	2	SEAL-O-RING (11.89MM ID)						
7	1		8J-6815	1	PLUG-ORIFICE						
8	1		9S-8005	1	PLUG-O-RING (3/4-16 THD)						
			3K-0360	1	SEAL-O-RING (16.36MM ID)						

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

g00215434

# IMPLEMENT

## 6I-8788 MOUNTING GP-CYLINDER

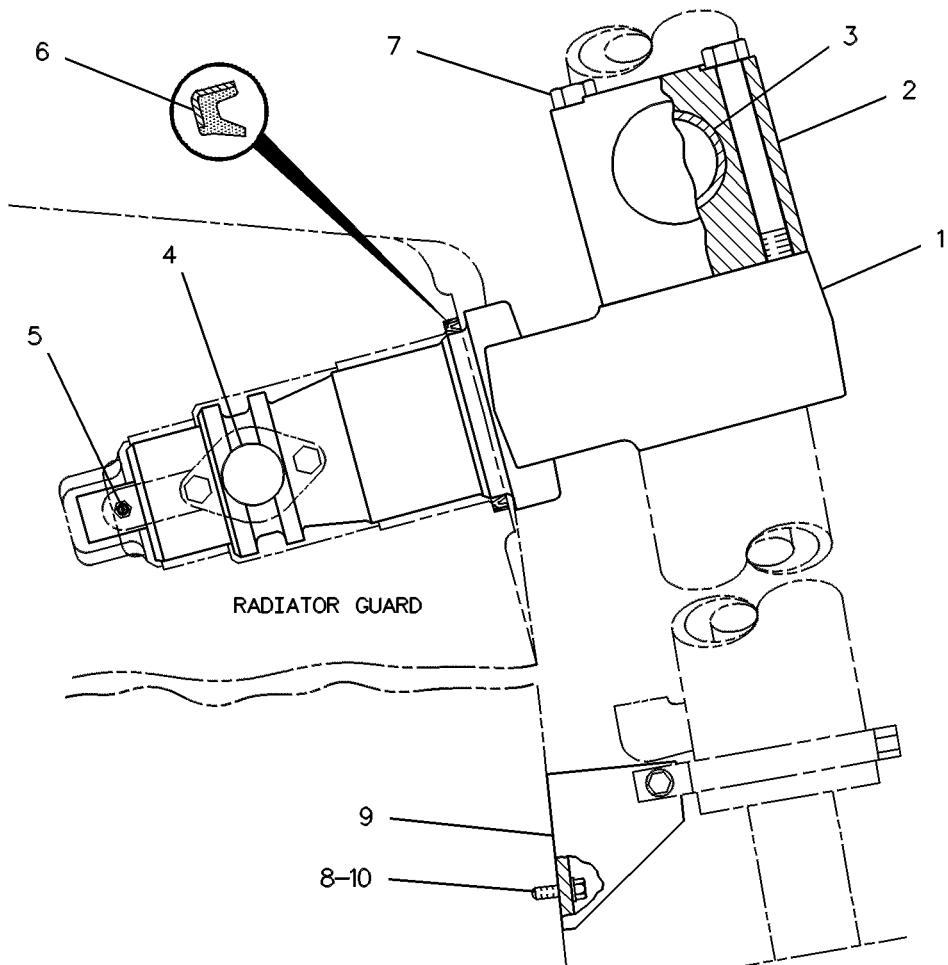
S/N: BHE1-UP; 9EM1-UP; 3MP1-UP; 4ZP1-99999; BHR1-UP

PART OF 111-8283, 175-3852 BULLDOZER AR, 111-8281 BULLDOZER AR-SEMI-UNIVERSAL,  
111-8279 BULLDOZER AR-UNIVERSAL  
AN ATTACHMENT

**SMCS-6068**

**i00569644**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
1	1		6Y-5693	2	YOKE							
2	1		8E-6185	4	CAP AS							
3	1		104-1844	1	BEARING-SLEEVE							
4	1		4T-4875	2	PIN							
5	1		3B-8489	2	FITTING-GREASE (1/8-27 THD)							
6	1		6V-0273	2	SEAL-LIP							
7	1		8T-9313	8	BOLT							
8	1		5P-1076	5	WASHER-HARD (4MM THK)							
9	1		8E-6305	1	PLATE-RH							
	1		8E-6306	1	PLATE-LH							
10	1		5P-2566	1	BOLT (1/2-13X1.50IN)							



GRAPHIC #1

g00234958

# IMPLEMENT

## 7T-2462 MOUNTING GP-RIPPER

S/N: 9EH1-99999; 9FH1-99999  
PART OF 6Y-9458, 8E-1588 RIPPER AR  
AN ATTACHMENT  
TYPE 1

SMCS-6165, 6324

i01065455

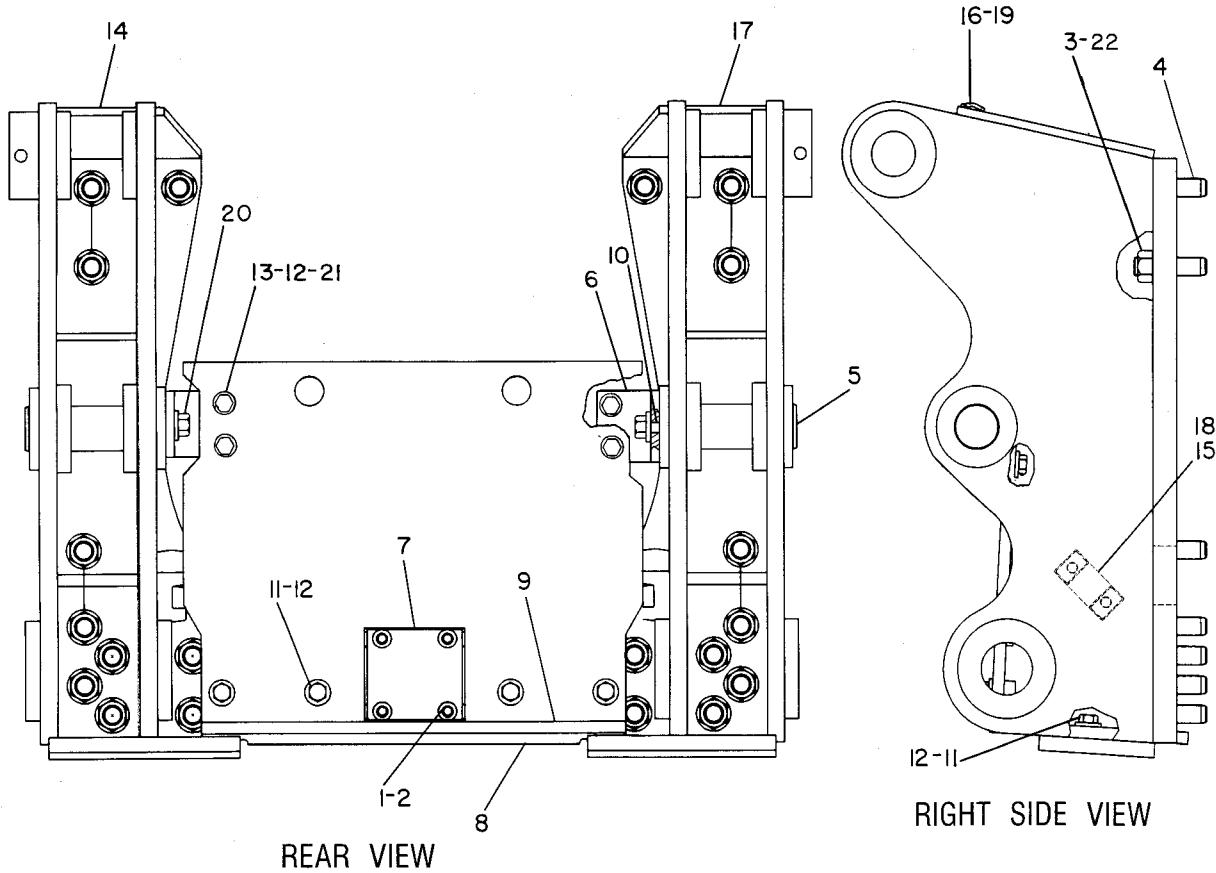
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		4L-6454	4	BOLT						
2	1		8T-4896	4	WASHER						
3	1		7H-7539	20	NUT-FULL (1 1/4-12 THD)						
4	1		7T-5790	20	STUD-TAPERLOCK						
C	5	1	9W-7991	2	PIN						
C	6	1	9W-7990	2	BRACKET						
	7	1	7T-6660	1	PLATE						
	8	1	7T-6658	1	PLATE AS						
	9	1	7T-6657	1	PLATE AS						
C	10	1	6F-4161	2	DOWEL						
C	11	1	0L-1178	8	BOLT (3/4-10X2IN)						
C	12	1	7X-0582	16	WASHER-HARD (6MM THK)						
C	13	1	8T-8924	4	BOLT (3/4-10X2.50IN)						
	14	1	7T-2472	1	BRACKET AS (LH)						
	15	1	3J-6035	1	RETAINER						
	16	1	7T-1099	1	LINK						
	17	1	7T-2471	1	BRACKET AS (RH)						
	18	1	3J-6035	1	RETAINER						
	19	1	7T-1099	1	LINK						
C	20	1	8T-9398	2	BOLT (3/4-10X1.75IN)						
C		1	8T-4994	2	WASHER						
C	21	1	6V-8182	4	NUT						
	22	1	7X-0533	20	WASHER-HARD (6MM THK)						

C - CHANGE FROM PREVIOUS TYPE

# IMPLEMENT

7T-2462 MOUNTING GP-RIPPER (contd.)

i01065455



GRAPHIC #1

g00198091

# IMPLEMENT

## 7T-2462 MOUNTING GP-RIPPER

S/N: 9EH1-99999; 9FH1-99999

PART OF 6Y-9458, 8E-1588 RIPPER AR

AN ATTACHMENT

TYPE 2

SMCS-6165, 6324

i01360205

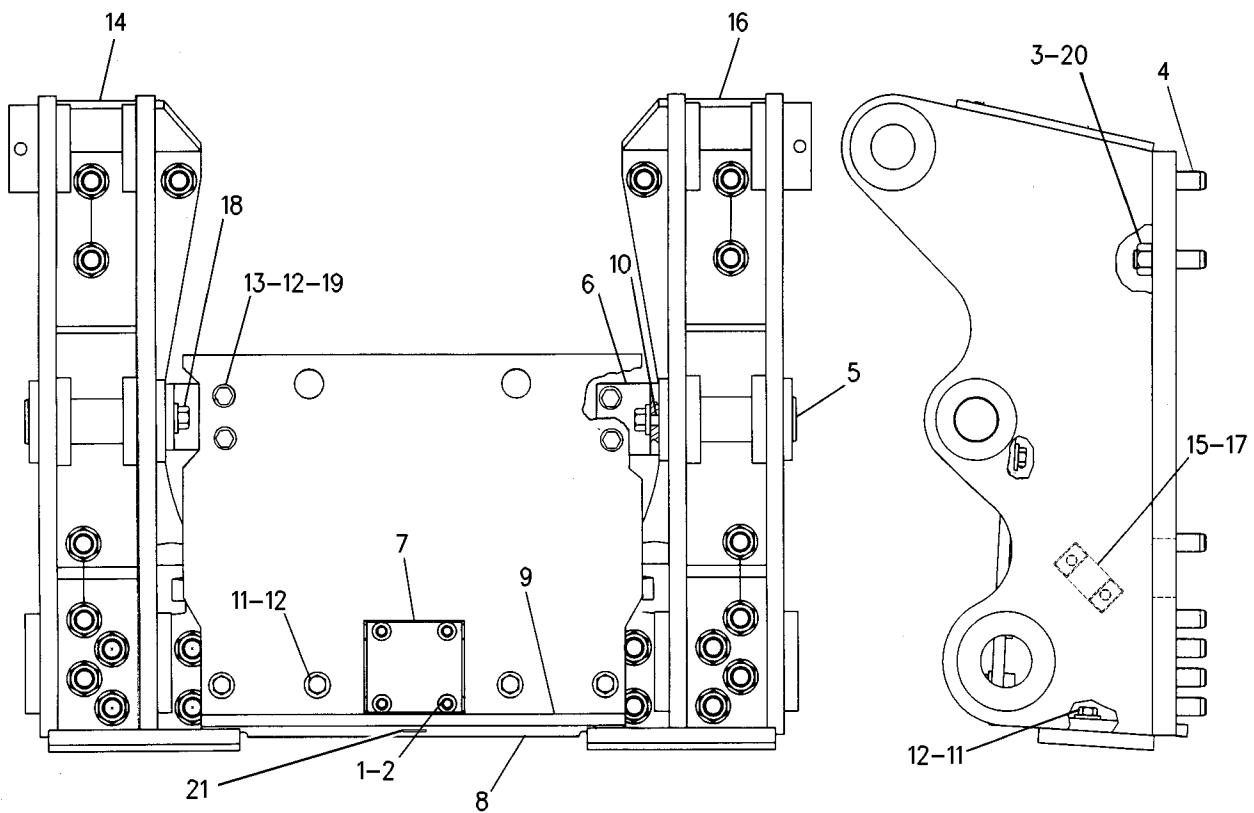
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		4L-6454	4	BOLT (3/8-16X1 IN)						
2	1		8T-4896	4	WASHER-HARD (10.2X18.5X2.5MM THK)						
3	1		7H-7539	20	NUT-FULL (1 1/4-12 THD)						
4	1		7T-5790	20	STUD-TAPERLOCK						
5	1		9W-7991	2	PIN						
6	1		9W-7990	2	BRACKET						
7	1		7T-6660	1	PLATE						
8	1		7T-6658	1	PLATE AS						
9	1		7T-6657	1	PLATE AS						
10	1		6F-4161	2	DOWEL						
11	1		0L-1178	8	BOLT (3/4-10X2IN)						
12	1		7X-0582	16	WASHER-HARD (6MM THK)						
13	1		8T-8924	4	BOLT (3/4-10X2.50 IN)						
C	14	1	160-8690	1	BRACKET AS-LH						
	15	1	3J-6035	1	RETAINER						
C	16	1	160-8695	1	BRACKET AS-RH						
	17	1	3J-6035	1	RETAINER						
	18	1	8T-9398	2	BOLT (3/4-10X1.75 IN)						
		1	8T-4994	2	WASHER-HARD (5MM THK)						
	19	1	6V-8182	4	NUT (3/4-10 THD)						
	20	1	7X-0533	20	WASHER-HARD (6MM THK)						
C	21	1	3B-0551	1	PLUG-PIPE (1-11 1/2 NPTF)						

C-CHANGE FROM PREVIOUS TYPE

# IMPLEMENTS

7T-2462 MOUNTING GP-RIPPER (contd.)

i01360205



REAR VIEW

RIGHT SIDE VIEW

GRAPHIC #1

g00718167

# IMPLEMENT

## 153-3125 MOUNTING GP - RIPPER

S/N: CXA1-UP; CXW1-UP

PART OF 188-2699, 188-2700 RIPPER AR

AN ATTACHMENT

TYPE 1

SMCS-6165, 6324

i01474439

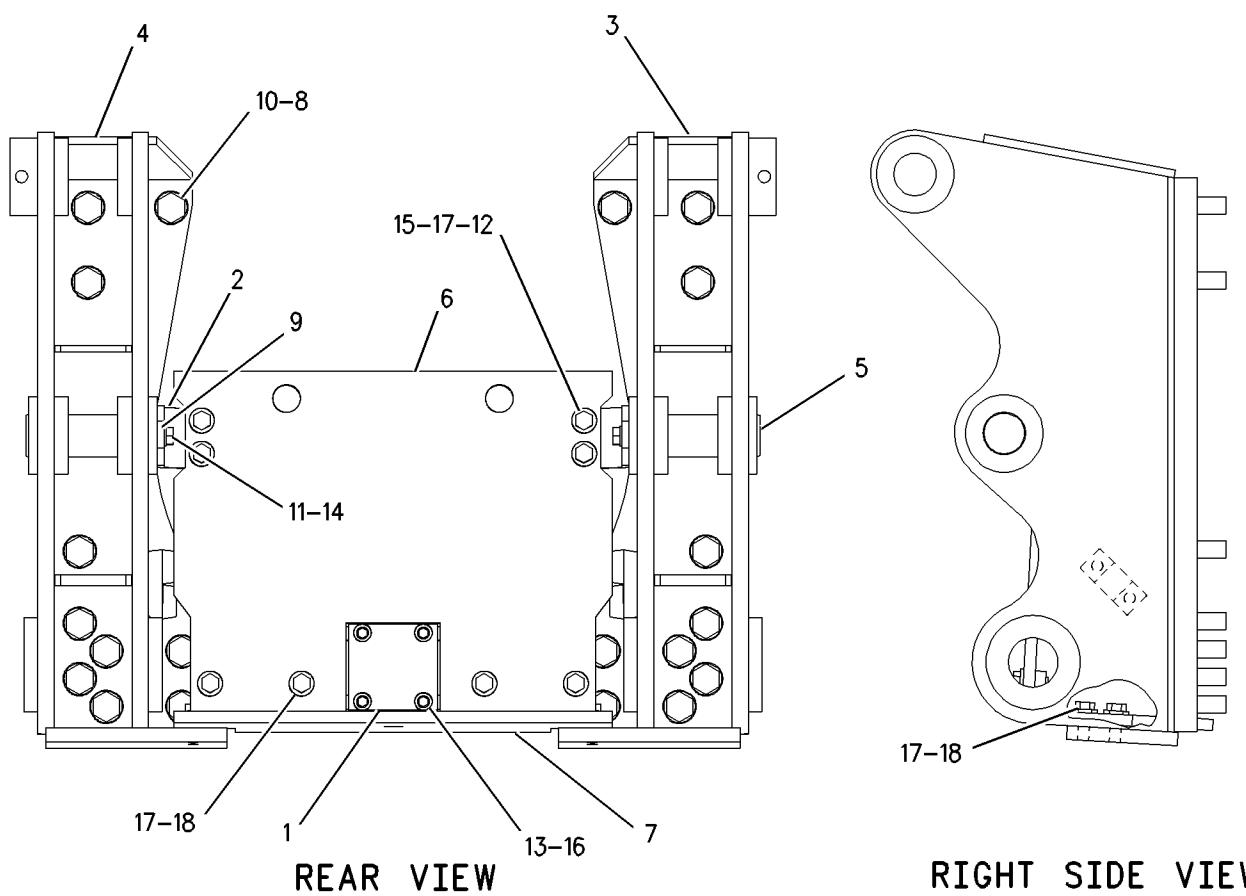
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		7T-6660	1	PLATE						
2	1		9W-7990	2	BRACKET						
3	1		153-3126	1	BRACKET AS-RH						
4	1		153-3127	1	BRACKET AS-LH						
5	1		162-0390	2	PIN						
6	1		162-5218	1	PLATE AS						
7	1		162-5220	1	PLATE AS						
	1		3B-0551	1	PLUG-PIPE						
8	1		7X-0533	20	WASHER-HARD (34X55X6MM THK)						
9	1		6F-4161	2	DOWEL						
10	1		7X-0428	20	BOLT (1 1/4-7X4 IN) (S/N 7XM5094-UP)						
					-OR-						
	1		7T-5790	20	STUD-TAPERLOCK (S/N 7XM1-5093)						
	1		7H-7539	20	NUT-FULL (1-1/4-12 THD) (S/N 7XM1-5093)						
M	11	1	7X-2562	2	BOLT (M20X2.5X45MM)						
M	12	1	8T-4141	4	BOLT (M20X2.5X70MM)						
	13	1	8T-4121	4	WASHER-HARD (11X21X2.5MM THK)						
	14	1	8T-4123	2	WASHER-PLATED (22X35X3.5MM THK)						
M	15	1	8T-4131	4	NUT (M20X2.5 THD)						
M	16	1	8T-4136	4	BOLT (M10X1.5X25MM)						
	17	1	8T-5439	16	WASHER (21.5X45X6MM THK)						
M	18	1	8T-6430	8	BOLT (M20X2.5X50MM)						

M-METRIC PART

# IMPLEMENTS

153-3125 MOUNTING GP-RIPPER (contd.)

i01474439



GRAPHIC #1

g00768673

# IMPLEMENT

## 153-3125 MOUNTING GP - RIPPER

S/N: CXA1-UP; CXW1-UP

PART OF 188-2699, 188-2700 RIPPER AR  
AN ATTACHMENT  
TYPE 2

SMCS-6165, 6324

i01669903

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		7T-6660	1	PLATE						
2	1		9W-7990	2	BRACKET						
3	1		153-3126	1	BRACKET AS-RH						
4	1		153-3127	1	BRACKET AS-LH						
5	1		162-0390	2	PIN						
6	1		162-5218	1	PLATE AS						
7	1		162-5220	1	PLATE AS						
	1		3B-0551	1	PLUG-PIPE						
8	1		7X-0533	20	WASHER-HARD (34X55X6MM THK)						
9	1		6F-4161	2	DOWEL						
C	10	1	7X-0428	20	BOLT (1 1/4-7X4 IN)						
M	11	1	7X-2562	2	BOLT (M20X2.5X45MM)						
M	12	1	8T-4141	4	BOLT (M20X2.5X70MM)						
	13	1	8T-4121	4	WASHER-HARD (11X21X2.5MM THK)						
	14	1	8T-4123	2	WASHER-PLATED (22X35X3.5MM THK)						
M	15	1	8T-4131	4	NUT (M20X2.5 THD)						
M	16	1	8T-4136	4	BOLT (M10X1.5X25MM)						
	17	1	8T-5439	16	WASHER (21.5X45X6MM THK)						
M	18	1	8T-6430	8	BOLT (M20X2.5X50MM)						

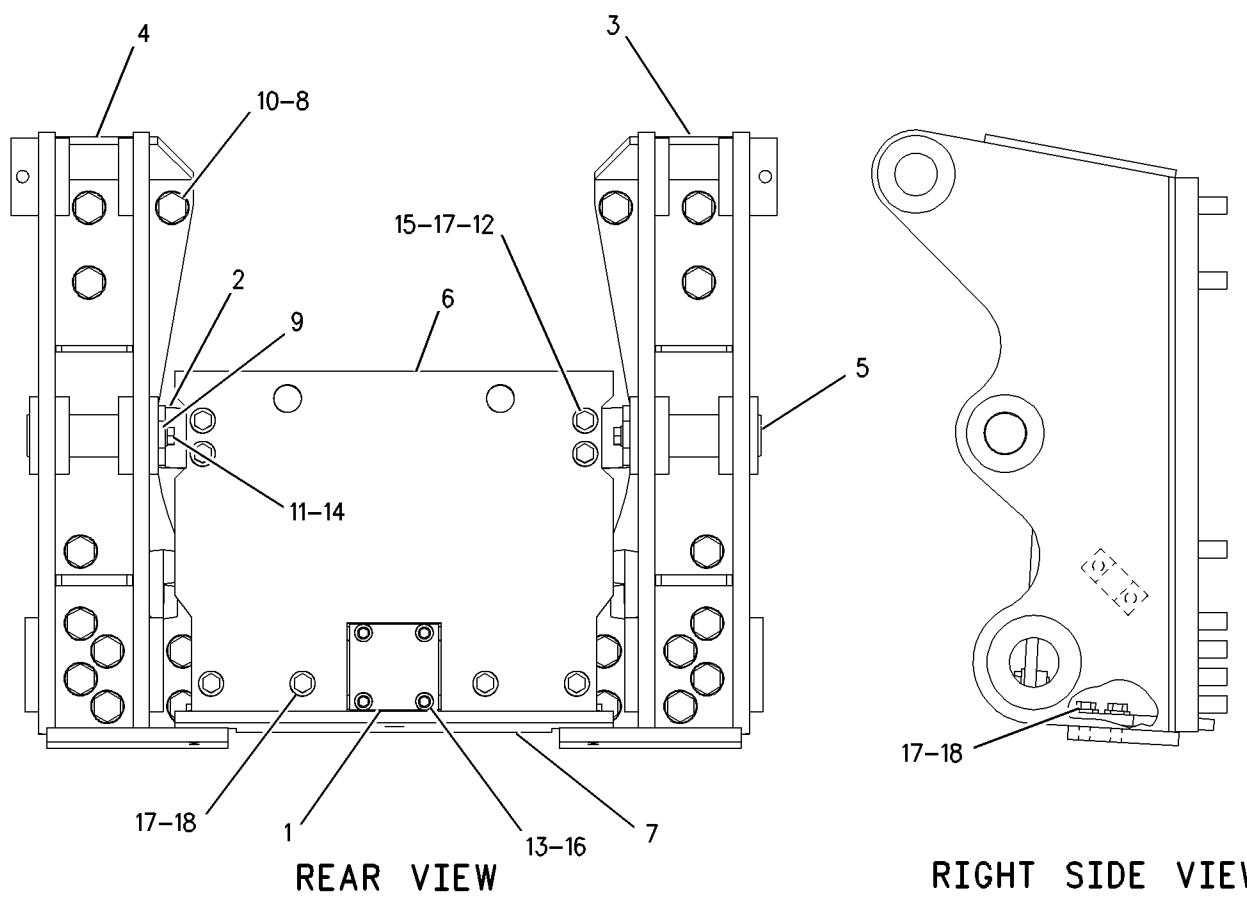
C-CHANGE FROM PREVIOUS TYPE

M-METRIC PART

# IMPLEMENTS

153-3125 MOUNTING GP-RIPPER (contd.)

i01669903



GRAPHIC #1

g00768673

# IMPLEMENT

## 7T-4747 PULLER AR-PIN

S/N: 9EM1-UP

AN ATTACHMENT

SMCS-5353, 5354

i00571686

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	6E-3113	1	CYLINDER GP-RIPPER PIN PULLER						770
Y	7T-4748	1	LINES GP-PIN PULLER CYLINDER						792
Y	6Y-2273	1	PULLER GP-PIN						936

Y-SEPARATE ILLUSTRATION

# IMPLEMENT

## 160-3616 PULLER AR-PIN

S/N: 9EM1-UP

AN ATTACHMENT

SMCS-5353, 5354

i01488847

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	6E-3113	1	CYLINDER GP-RIPPER PIN PULLER						770
Y	160-3619	1	LINES GP-PIN PULLER						791
Y	135-5111	1	PULLER GP-PIN						937

Y-SEPARATE ILLUSTRATION

# IMPLEMENT

## 6Y-2273 PULLER GP-PIN

S/N: 9EM1-UP

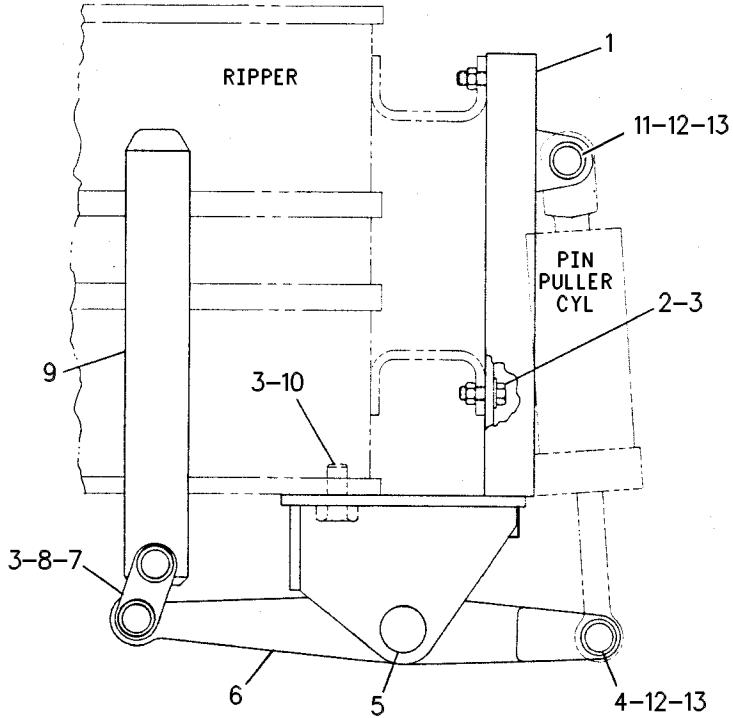
PART OF 7T-4747 PULLER AR-PIN  
AN ATTACHMENT

SMCS-5353, 5354

i00714612

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		9U-8408	1	BRACKET AS							
2	1		7X-0345	4	BOLT (5/8-11X1.75IN)							
C	3	1	7X-0515	10	WASHER (5MM THK)							
4	1		125-9215	1	PIN							
5	1		7T-4502	1	PIN							
	1		7X-0537	1	WASHER-HARD							
	1		6K-3630	1	RING							
6	1		9U-8405	1	LEVER							
C	7	1	9J-4523	2	LINK							
C	1		8E-8914	2	PIN							
C	8	1	6K-0138	4	BOLT-LOCKING							
9	1		4T-9850	1	PIN							
10	1		8T-9393	2	BOLT (5/8-11X1.50IN)							
11	1		7T-4501	1	PIN							
12	1		8T-4167	3	WASHER (4.0MM THK)							
13	1		7J-4169	2	RING-SNAP							

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

g00292233

# IMPLEMENT

## 135-5111 PULLER GP-PIN

S/N: 9EM1-UP

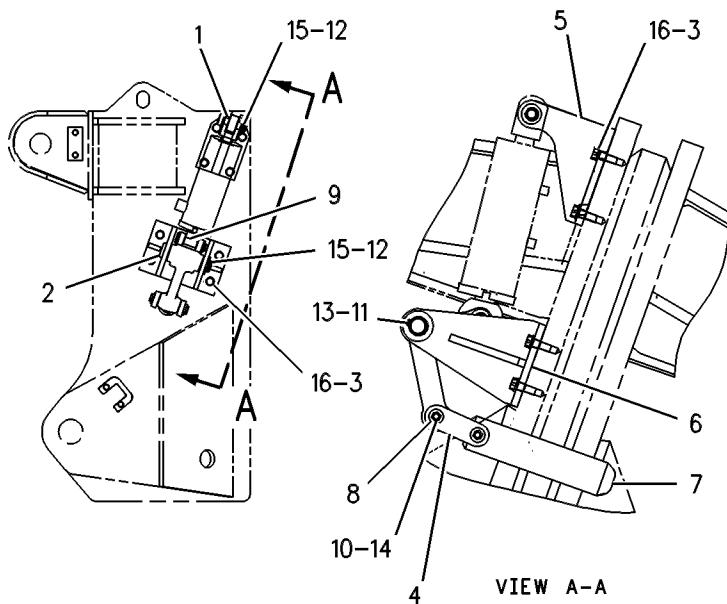
PART OF 160-3616 PULLER AR-PIN  
AN ATTACHMENT

SMCS-5353, 5354

i01480939

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		7T-4501	1	PIN						
2	1		7T-4502	1	PIN						
3	1		9X-8257	8	WASHER (17.5X30X3.5MM THK)						
4	1		130-6366	2	LINK						
5	1		135-5102	1	PLATE AS						
6	1		135-5105	1	PLATE AS						
7	1		135-5109	1	PIN						
8	1		135-5113	2	PIN						
9	1		135-5114	1	PIN						
10	1		7X-3391	4	WASHER-HARD (13.5X32X6MM THK)						
11	1		6K-3630	1	RING						
12	1		7J-4169	2	RING-SNAP						
13	1		7X-0537	1	WASHER-HARD (40.5X67X6MM THK)						
M	14	1	8C-8992	4	BOLT-LOCKING (M12X1.75X30MM)						
	15	1	8T-4167	2	WASHER-HARD (26X44X4MM THK)						
M	16	1	8T-7338	8	BOLT (M16X2.0X45MM)						

M-METRIC PART



GRAPHIC #1

g00271463

# IMPLEMENT

## 109-5147 PUSH ARM GP - LH

S/N: BHE1-UP; 3MP1-UP; 9TP1-UP

PART OF 118-3173 PUSH ARM GP-STABILIZER  
AN ATTACHMENT

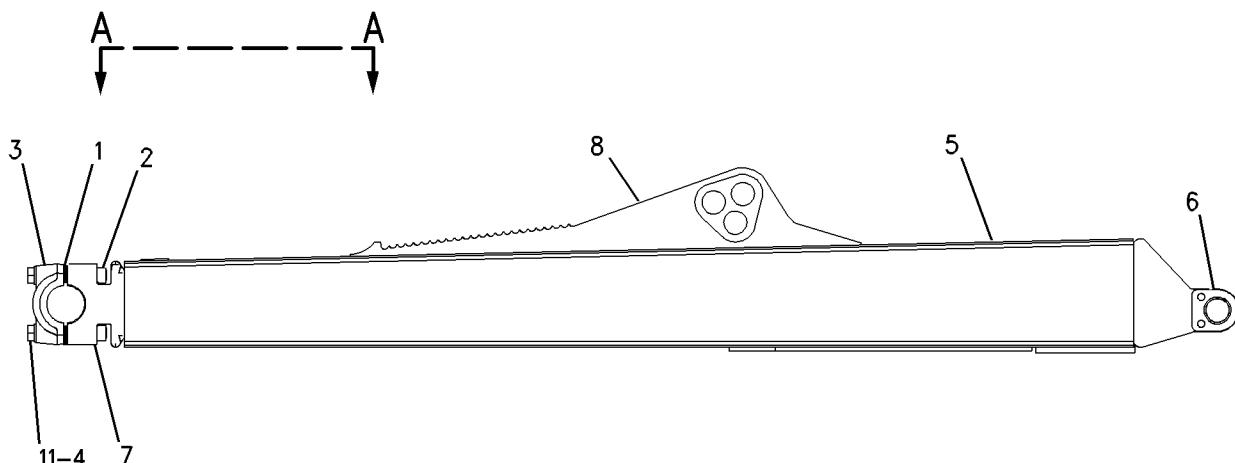
SMCS-6061

i01441699

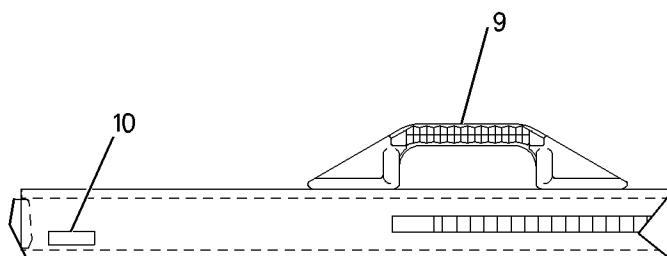
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
B	1	1	9W-7602	26	SHIM (.8MM THK)	
	2	1	195-6283	2	NUT-SQUARE	
	3	1	193-3063	1	CAP-BEARING	
	M 4	1	3E-9850	2	BOLT (M30X3.5X220MM THD)	
	5	1	106-0786	1	PUSH ARM AS-LH	
	6	1	8E-6172	1	BRACKET AS-LH	
		1	3G-9598	2	BEARING-SLEEVE	
	7	1	1J-6740	1	BEARING	
	8	1	6I-8093	1	BRACKET AS	
	9	1	7T-5140	1	STEP	
	10	1	8P-9770	1	PLATE	
	11	1	9X-8258	2	WASHER (33X56X6MM THK)	

B-USE AS REQUIRED

M-METRIC PART



RIGHT SIDE VIEW



VIEW A-A

GRAPHIC #1

g00739446

# IMPLEMENT

## 8E-6168 PUSH ARM GP - RH

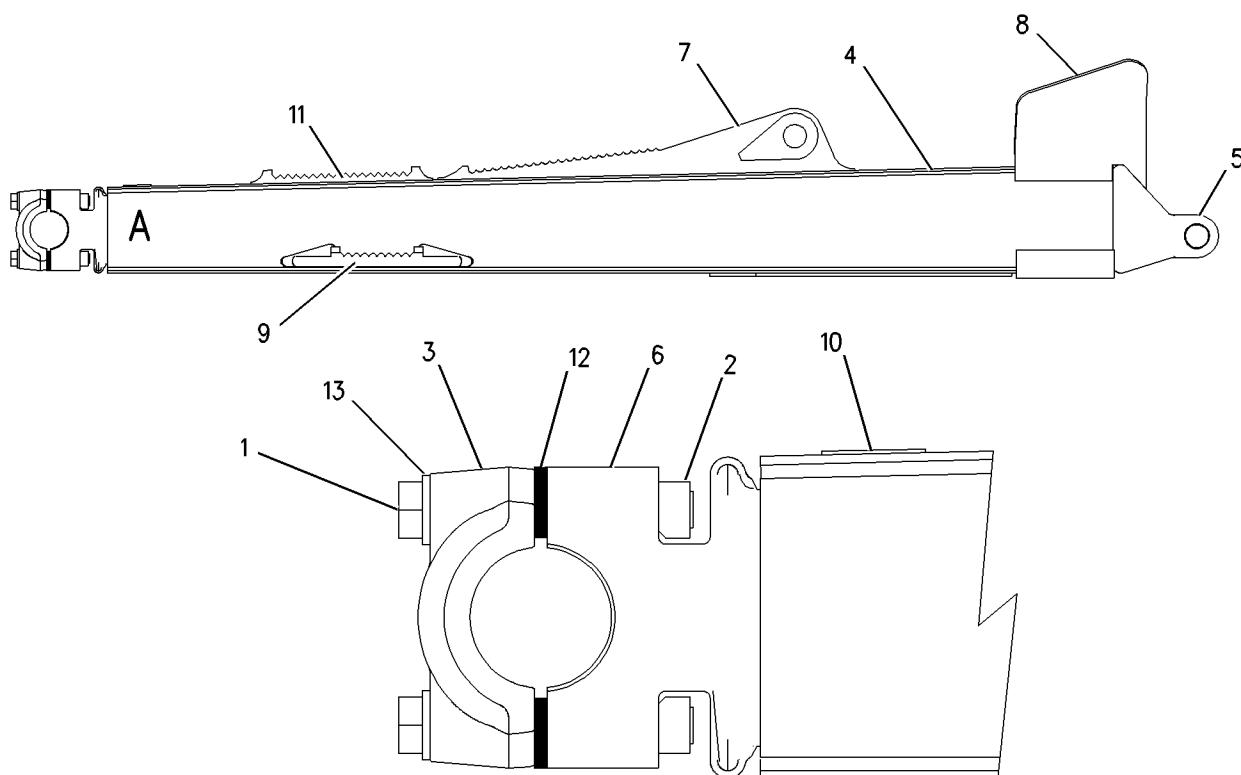
S/N: BHE1-UP; 3MP1-UP; 9TP1-UP  
PART OF 118-3173 PUSH ARM GP-STABILIZER  
AN ATTACHMENT

SMCS-6061

i01441651

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
M	1	1	3E-9850	2	BOLT (M30X3.5X220MM THD)	
	2	1	195-6283	2	NUT - SQUARE	
	3	1	193-3063	1	CAP - BEARING	
	4	1	8E-6169	1	PUSH ARM AS - RH	
	5	1	8E-6171	1	BRACKET AS - RH	
		1	3G-9598	2	BEARING - SLEEVE	
	6	1	1J-6740	1	BEARING	
	7	1	3G-7000	1	BRACKET AS	
	8	1	9W-1447	1	GUARD	
	9	1	7T-5140	1	STEP	
	10	1	8P-9770	1	PLATE	
	11	1	1U-2533	1	BAR	
B	12	1	9W-7602	26	SHIM (.8MM THK)	
	13	1	9X-8258	2	WASHER (33X56X6MM THK)	

B-USE AS REQUIRED  
M-METRIC PART



VIEW OF AREA A

GRAPHIC #1

g00740866

# IMPLEMENT

## 118-3173 PUSH ARM GP-STABILIZER

S/N: BHE1-UP; 3MP1-UP

PART OF 119-0486 BULLDOZER AR, 111-8281 BULLDOZER AR-SEMI-UNIVERSAL, 111-8279  
BULLDOZER AR-UNIVERSAL  
AN ATTACHMENT

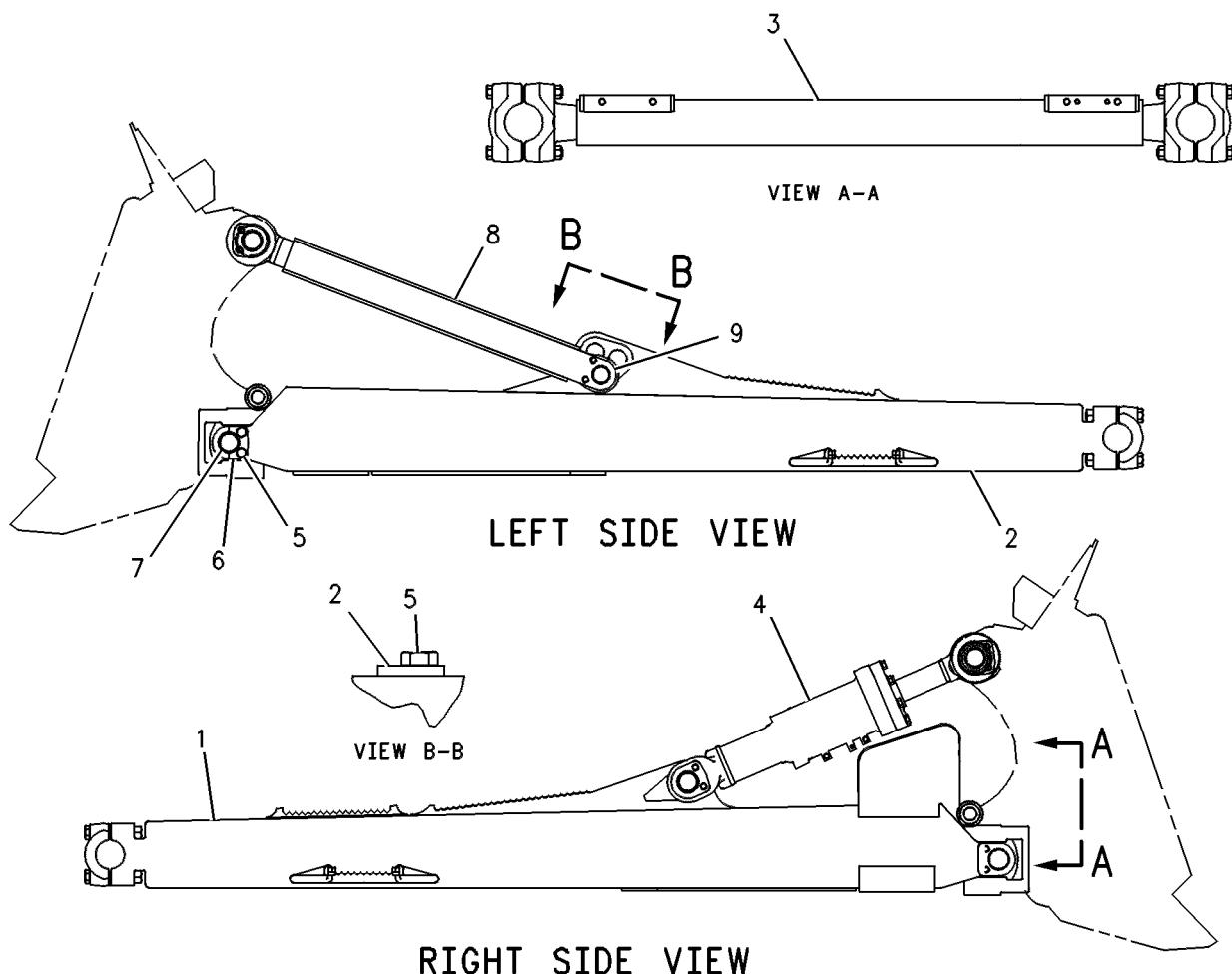
SMCS-6061

i00569649

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6 (PRODUCT LEVEL)		
Y	1	1	8E-6168	1	PUSH ARM GP-RH							939
Y	2	1	109-5147	1	PUSH ARM GP-LH							938
Y	3	1	6I-8677	1	LINK GP-STABILIZER							918
Y	4	1	6E-1175	1	CYLINDER GP-TILT							780
M	5	1	7X-2574	8	BOLT							
	6	1	6J-5179	4	RETAINER							
	7	1	4T-7534	2	PIN							
	8	1	6I-8087	1	BRACE AS							
	9	1	3G-7016	2	PIN							

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00246816

# IMPLEMENT

## 118-3173 PUSH ARM GP-STABILIZER

S/N: BHE1-UP; 3MP1-UP; 9TP1-UP

PART OF 119-0486, 159-1631 BULLDOZER AR, 111-8281 BULLDOZER AR-SEMI-UNIVERSAL,  
111-8279 BULLDOZER AR-UNIVERSAL  
AN ATTACHMENT

SMCS-6061

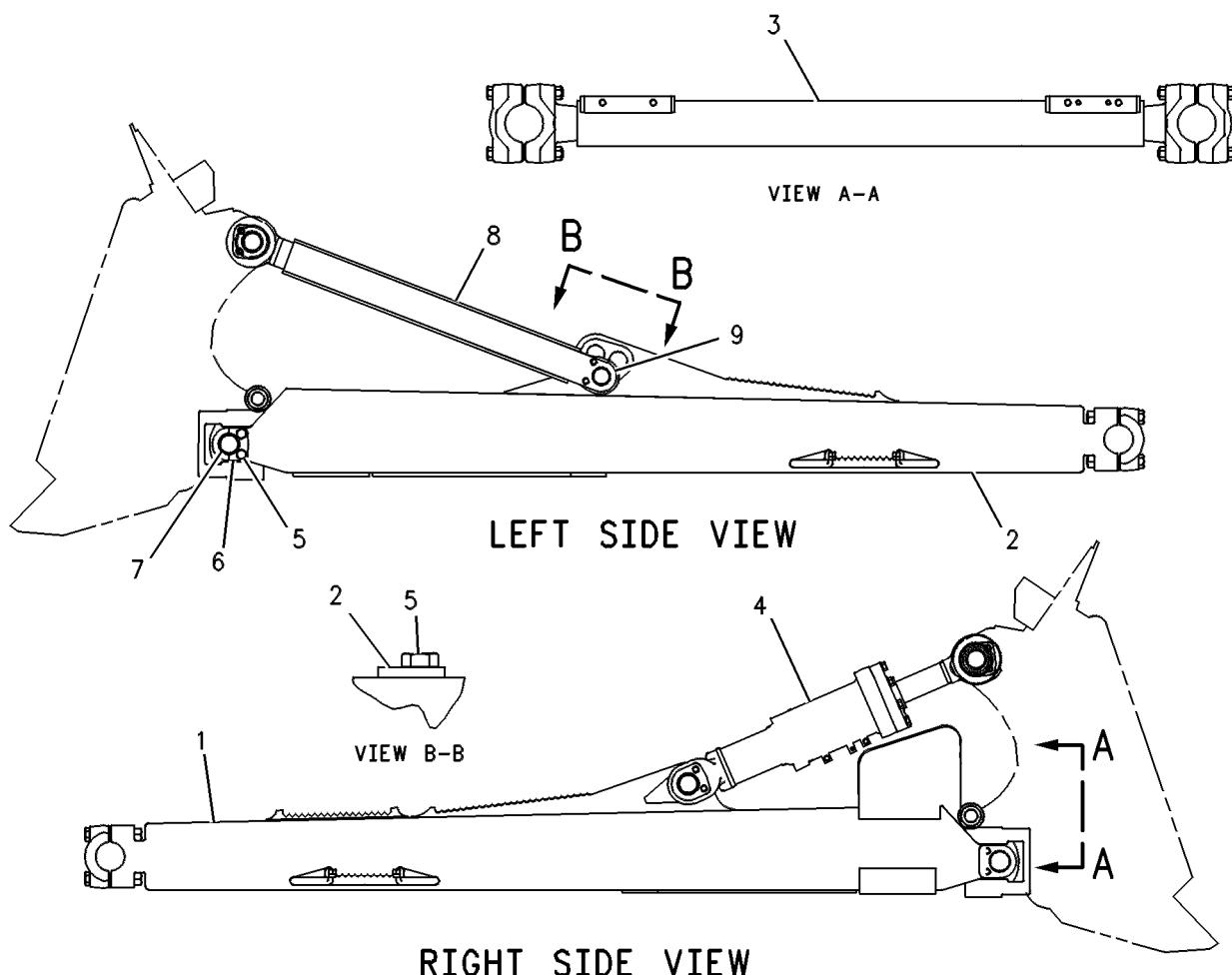
i01496515

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
Y	1	1	8E-6168	1	PUSH ARM GP-RH							939
Y	2	1	109-5147	1	PUSH ARM GP-LH							938
CY	3	1	158-6398	1	LINK GP-STABILIZER							919
Y	4	1	6E-1175	1	CYLINDER GP-TILT							780
M	5	1	7X-2574	8	BOLT (M24X3.0X45MM)							
	6	1	6J-5179	4	RETAINER							
	7	1	4T-7534	2	PIN							
	8	1	6I-8087	1	BRACE AS							
	9	1	3G-7016	2	PIN							

C-CHANGE FROM PREVIOUS TYPE

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00246816

# IMPLEMENTS

## 6Y-9458 RIPPER AR

S/N: 9EH1-99999

AN ATTACHMENT

SMCS-6312, 6316

i01039649

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	9T-0142	2	CYLINDER GP-RIPPER LIFT						764
Y	9T-0143	2	CYLINDER GP-RIPPER TILT						772
Y	7T-3744	1	FRAME GP-RIPPER						910
Y	8E-4650	1	LINES GP-RIPPER						812
Y	7T-2462	1	MOUNTING GP-RIPPER						926
Y	2Y-7472	1	PLATE & FILM GP						1208
Y	7T-2583	1	RIPPER GP						976

Y-SEPARATE ILLUSTRATION

# IMPLEMENTS

## 8E - 1588 RIPPER AR

S/N: 9FH1-99999

AN ATTACHMENT

SMCS-6312, 6316

i01034596

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	9T-0142	2	CYLINDER GP-RIPPER LIFT						764
Y	9T-0143	2	CYLINDER GP-RIPPER TILT						772
Y	7T-5535	1	FRAME GP-RIPPER						912
Y	8E-4650	1	LINES GP-RIPPER						812
Y	7T-2462	1	MOUNTING GP-RIPPER						926
Y	2Y-7472	1	PLATE & FILM GP						1208
Y	7T-2447	1	RIPPER GP						975

Y-SEPARATE ILLUSTRATION

# IMPLEMENT

## 188-2699 RIPPER AR

S/N: CXA1-UP

AN ATTACHMENT

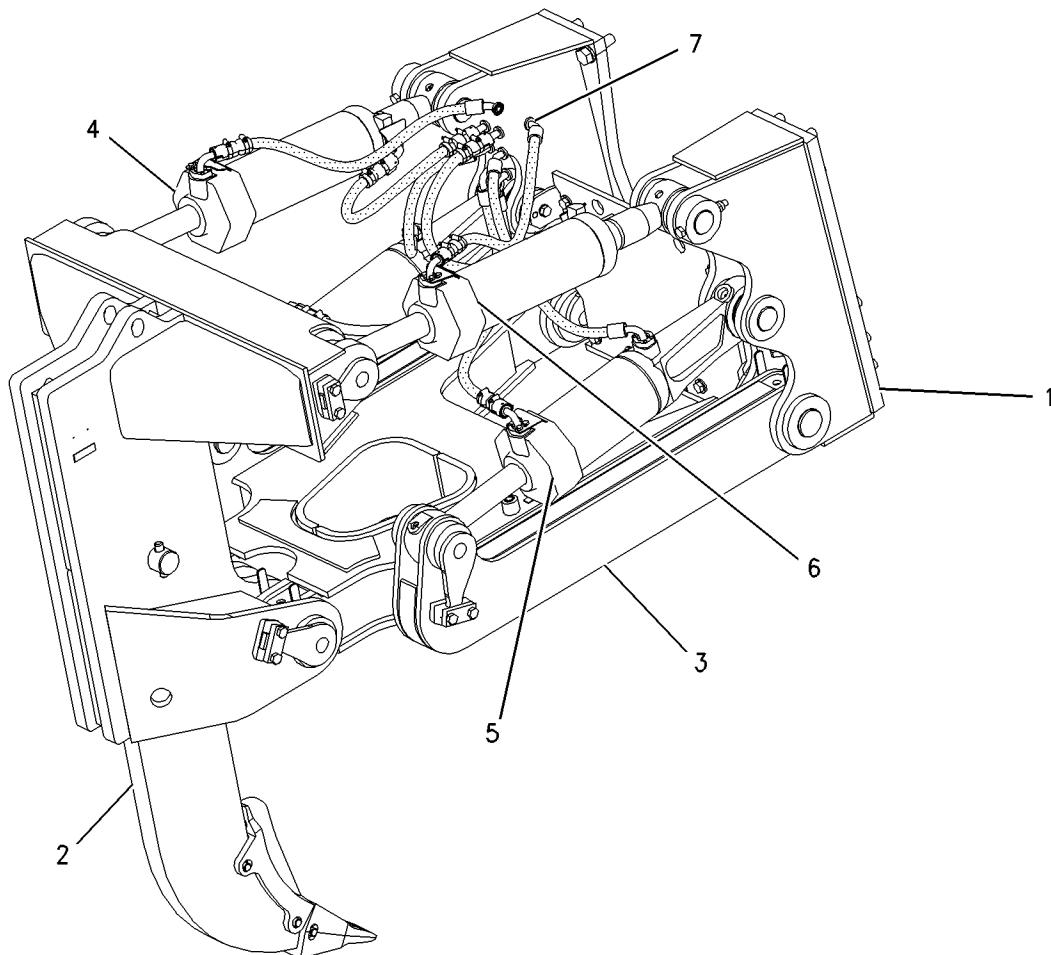
SMCS-6312, 6316

i01546685

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
Y	1	1	153-3125	1	MOUNTING GP-RIPPER	930
Y	2	1	153-3132	1	RIPPER GP	978
Y	3	1	153-3134	1	FRAME GP-RIPPER	916
Y	4	1	155-3652	1	CYLINDER GP-RIPPER TILT (LH)	774
Y	5	1	155-3653	2	CYLINDER GP-RIPPER LIFT	768
Y	6	1	165-0102	1	CYLINDER GP-RIPPER TILT (RH)	776
Y	7	1	188-2698	1	LINES GP-RIPPER	816
F	1	5P-1327		1	PLATE-SERIAL NUMBER ON CYLINDER TOWER	
F	1	4B-4158		2	SCREW-DRIVE (3/16X0.25 IN)	

F-NOT SHOWN

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00806637

# IMPLEMENT

## 188-2700 RIPPER AR

S/N: CXW1-UP

MULTI-SHANK

AN ATTACHMENT

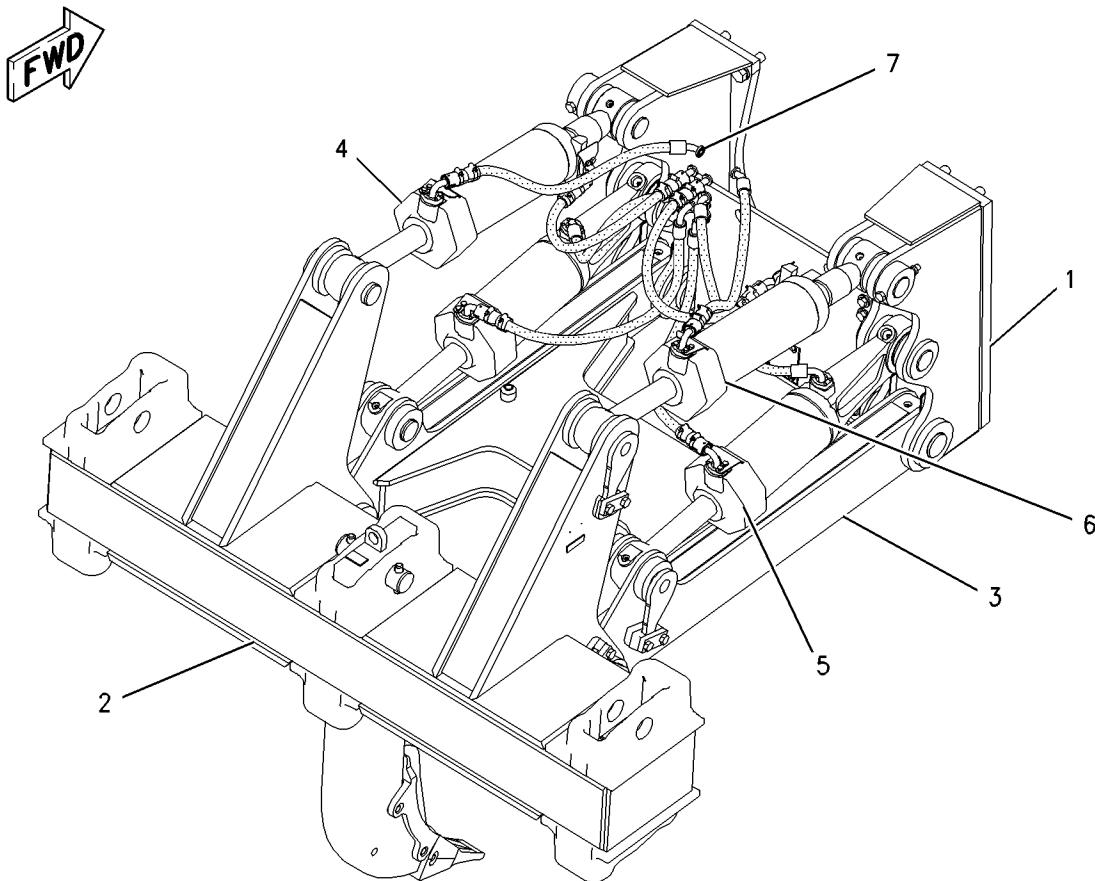
SMCS-6312, 6316

i01546900

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
Y	1	1	153-3125	1	MOUNTING GP-RIPPER	930
Y	2	1	153-3129	1	RIPPER GP	977
Y	3	1	153-3133	1	FRAME GP-RIPPER	914
Y	4	1	155-3652	1	CYLINDER GP-RIPPER TILT (LH)	774
Y	5	1	155-3653	2	CYLINDER GP-RIPPER LIFT	768
Y	6	1	165-0102	1	CYLINDER GP-RIPPER TILT (RH)	776
Y	7	1	188-2698	1	LINES GP-RIPPER	816
F	1		2Y-9790	1	PLATE-SERIAL NUMBER	
F	1		4B-4158	2	SCREW-DRIVE (3/16X0.25 IN)	

F-NOT SHOWN

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00806084

# IMPLEMENT

## 2G-3970 SWITCH & HANDLE GP

S/N: 9EM1-UP

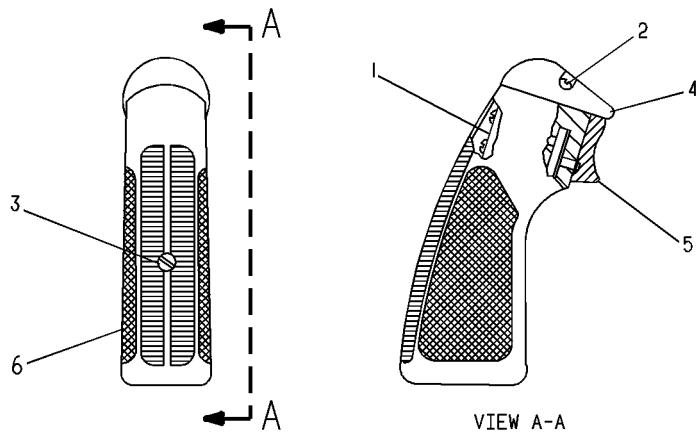
PART OF 128-5054 OPERATOR AR  
AN ATTACHMENT

SMCS-5705

i00139341

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		6T-8211	1	SWITCH AS (SOLENOID)						
	1		6V-8374	2	SCREW-MACHINE (6-32X.25IN)						
2	1		2S-6218	2	SCREW-MACHINE						
3	1		6T-8757	1	SCREW						
4	1		6T-8756	1	COVER						
5	1		6T-8758	1	LEVER						
C	6	1	9W-4002	1	HANDLE						

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

g00110825

# IMPLEMENT

## 9W-8276 TRUNNION GP - BULLDOZER

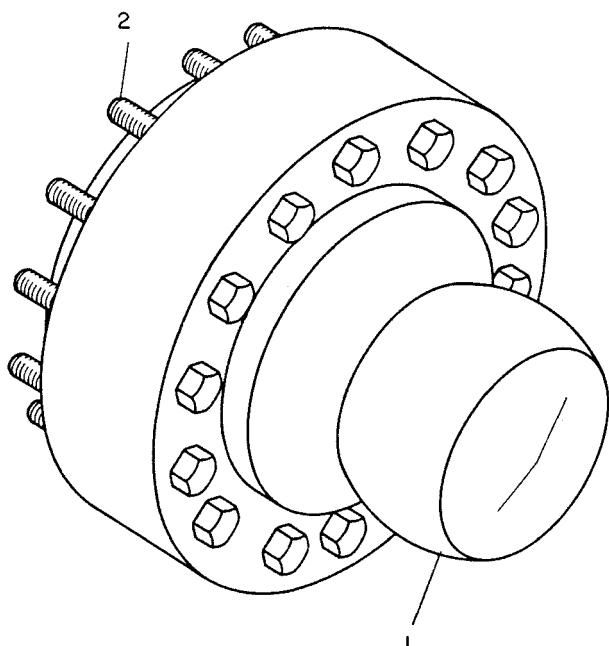
S/N: BHE1-UP; 3MP1-UP; 4ZP1-99999; 9TP1-UP; BHR1-UP

PART OF 111-8283, 119-0486, 159-1631, 159-8378, 175-3852 BULLDOZER AR, 125-9171  
BULLDOZER AR-ANGLING, 111-8281 BULLDOZER AR-SEMI-UNIVERSAL, 111-8279 BULLDOZER  
AR-UNIVERSAL  
AN ATTACHMENT

SMCS-6069

i01065466

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		9W-8275	2	TRUNNION AS						
					(EACH INCLUDES)						
	1		5J-4321	1	TRUNNION						
2	1		7X-0350	32	BOLT						
	1		8T-4122	32	WASHER						



GRAPHIC #1

g00193867

# WORK TOOLS

## 7T-5557 BIT & CUTTING EDGE GP

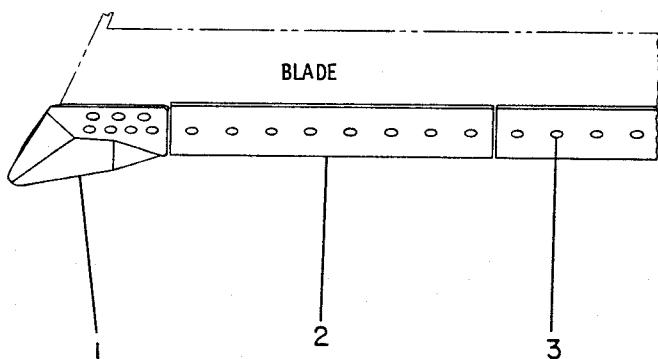
S/N: 4ZP1-99999

PART OF 9U-8081 BLADE & EDGE GP  
AN ATTACHMENT

SMCS-6801, 6804

i01310045

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		8E-4193	1	BIT-END						
	1		8E-4194	1	BIT-END						
2	1		9W-5432	3	EDGE-CUTTING						
3	1		4J-9058	38	BOLT-PLOW (1-8X3.25 IN)						
	1		5P-8250	38	WASHER (5.0MM THK)						
	1		2J-3507	38	NUT-FULL (1-8 THD)						



GRAPHIC #1

g00178372

# WORK TOOLS

## 7T-5558 BIT & CUTTING EDGE GP

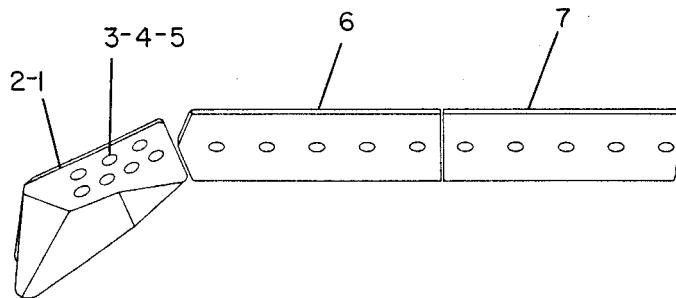
S/N: 9EM1-UP; 3MP1-UP; 9TP1-UP

PART OF 9U-8083, 9U-8087, 9U-8088 BLADE & EDGE GP  
AN ATTACHMENT

SMCS-6801, 6804

i01065453

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		8E-4193	1	BIT-END-RH						
2	1		8E-4194	1	BIT-END-LH						
3	1		4J-9058	33	BOLT-PLOW (1-8X3.25 IN)						
4	1		5P-8250	33	WASHER (5.0MM THK)						
5	1		2J-3507	33	NUT-FULL (1-8 THD)						
6	1		6Y-5540	2	EDGE-CUTTING						
7	1		4T-6381	1	EDGE-CUTTING						



GRAPHIC #1

g00178330

# WORK TOOLS

## 7T-5559 BIT & CUTTING EDGE GP

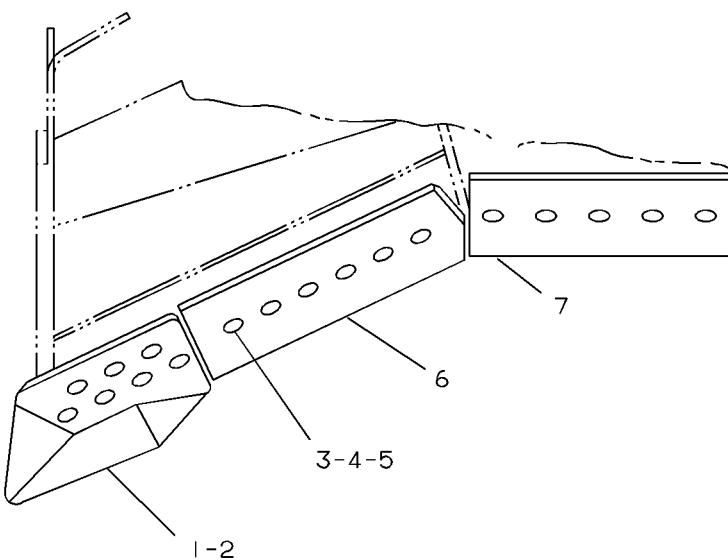
S/N: BHE1-UP; 9EM1-UP

PART OF 9U-8085, 9U-8086 BLADE & EDGE GP  
AN ATTACHMENT

SMCS-6801, 6804

i01239366

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		8E-4193	1	BIT-END						
2	1		8E-4194	1	BIT-END						
3	1		4J-9058	36	BOLT-PLOW (1-8X3.25 IN)						
4	1		5P-8250	36	WASHER (5.0MM THK)						
5	1		2J-3507	36	NUT-FULL (1-8 THD)						
6	1		4T-6378	2	EDGE-CUTTING						
7	1		9W-5232	2	EDGE-CUTTING						



GRAPHIC #1

g00183628

# WORK TOOLS

## 135-9374 BIT & CUTTING EDGE GP

S/N: 9EM1-UP; BHR1-UP  
PART OF 151-1150 BLADE & EDGE GP  
AN ATTACHMENT

SMCS-6801, 6804

i01397586

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
	8E-4193	1	BIT-END (RH)						
	8E-4194	1	BIT-END (LH)						
	4J-9058	38	BOLT-PLOW (1-8X3.25 IN)						
	135-9373	3	EDGE-CUTTING						
	2J-3507	38	NUT-FULL (1-8 THD)						
	5P-8250	38	WASHER (28X49X5MM THK)						

# WORK TOOLS

## 163-9465 BIT & CUTTING EDGE GP

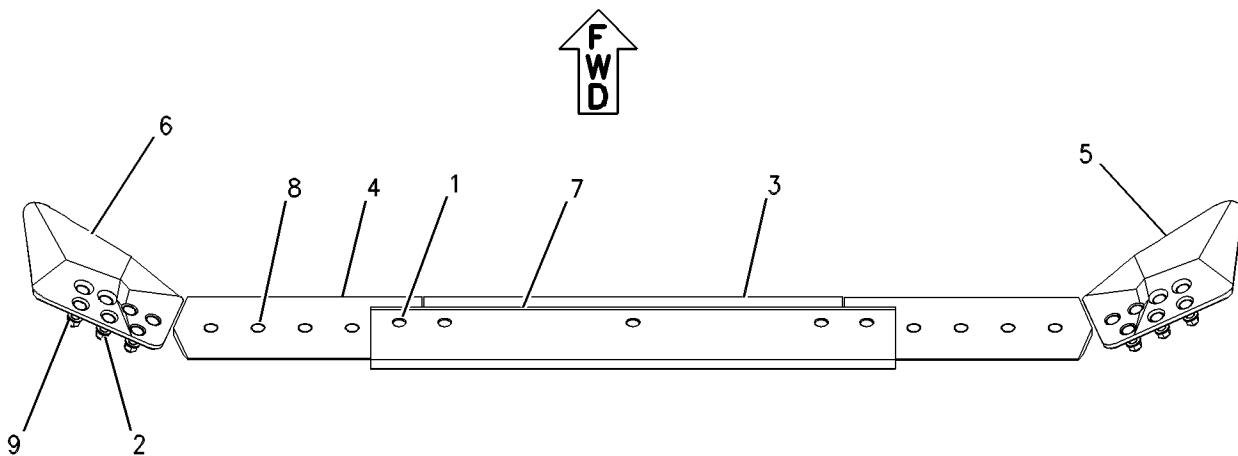
S/N: 3MP1-UP

PART OF 163-9464 BLADE & EDGE GP  
AN ATTACHMENT

SMCS-6801, 6804

i01239762

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		1J-3527	5	BOLT -PLOW (1-8X4.5 IN)						
2	1		2J-3507	33	NUT -FULL (1-8 THD)						
3	1		4T-6381	1	EDGE -CUTTING						
4	1		6Y-5540	2	EDGE -CUTTING						
5	1		8E-4193	1	BIT-END-RH						
6	1		8E-4194	1	BIT-END-LH						
7	1		151-2985	1	EDGE -CUTTING						
8	1		4J-9058	28	BOLT -PLOW (1-8X3.25 IN)						
9	1		5P-8250	33	WASHER (5.0MM THK)						



TOP VIEW

GRAPHIC #1

g00662947

# WORK TOOLS

## 9U-8081 BLADE & EDGE GP

S/N: 4ZP1-99999

ANGLING

PART OF 8E-6189 BLADE GP-ANGLING  
AN ATTACHMENT

SMCS-6060

i00571866

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	7T-5557	1	BIT & CUTTING EDGE GP						948
Y	8E-6434	1	BLADE AS						961

Y-SEPARATE ILLUSTRATION

# WORK TOOLS

## 9U-8083 BLADE & EDGE GP

S/N: 3MP1-UP; 9TP1-UP

SEMI-UNIVERSAL

PART OF 8E-6151 BLADE GP-SEMI-UNIVERSAL

AN ATTACHMENT

SMCS-6060

i00596803

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	7T-5558	1	BIT & CUTTING EDGE GP						949
Y	8E-6154	1	BLADE AS-SEMI-UNIVERSAL						964

Y-SEPARATE ILLUSTRATION

# WORK TOOLS

## 9U-8085 BLADE & EDGE GP

S/N: BHE1-UP

PART OF 8E-6150 BLADE GP-UNIVERSAL  
AN ATTACHMENT

SMCS-6060

i01239362

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	7T-5559	1	BIT & CUTTING EDGE GP						950
Y	8E-6187	1	BLADE AS-UNIVERSAL						968
Y-SEPARATE ILLUSTRATION									

# WORK TOOLS

## 9U-8086 BLADE & EDGE GP

S/N: 9EM1-UP

AN ATTACHMENT

SMCS-6060

i01254779

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	7T-5559	1	BIT & CUTTING EDGE GP						950
Y	8E-7226	1	BLADE AS-UNIVERSAL						969

Y-SEPARATE ILLUSTRATION

# WORK TOOLS

## 9U-8087 BLADE & EDGE GP

S/N: 9EM1-UP

SEMI-UNIVERSAL WITH ROCK GUARD AND WEAR PLATES  
AN ATTACHMENT

SMCS-6060

i01256643

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	7T-5558	1	BIT & CUTTING EDGE GP						949
Y	8E-7224	1	BLADE AS - SEMI - UNIVERSAL						966
Y - SEPARATE ILLUSTRATION									

# WORK TOOLS

## 9U-8088 BLADE & EDGE GP

S/N: 9EM1-UP

SEMI-UNIVERSAL WITH PUSH PLATE  
AN ATTACHMENT

SMCS-6060

i00571877

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	7T-5558	1	BIT & CUTTING EDGE GP						949
Y	8E-7225	1	BLADE AS-SEMI-UNIVERSAL						967

Y-SEPARATE ILLUSTRATION

# WORK TOOLS

## 151-1150 BLADE & EDGE GP

S/N: 9EM1-UP; BHR1-UP

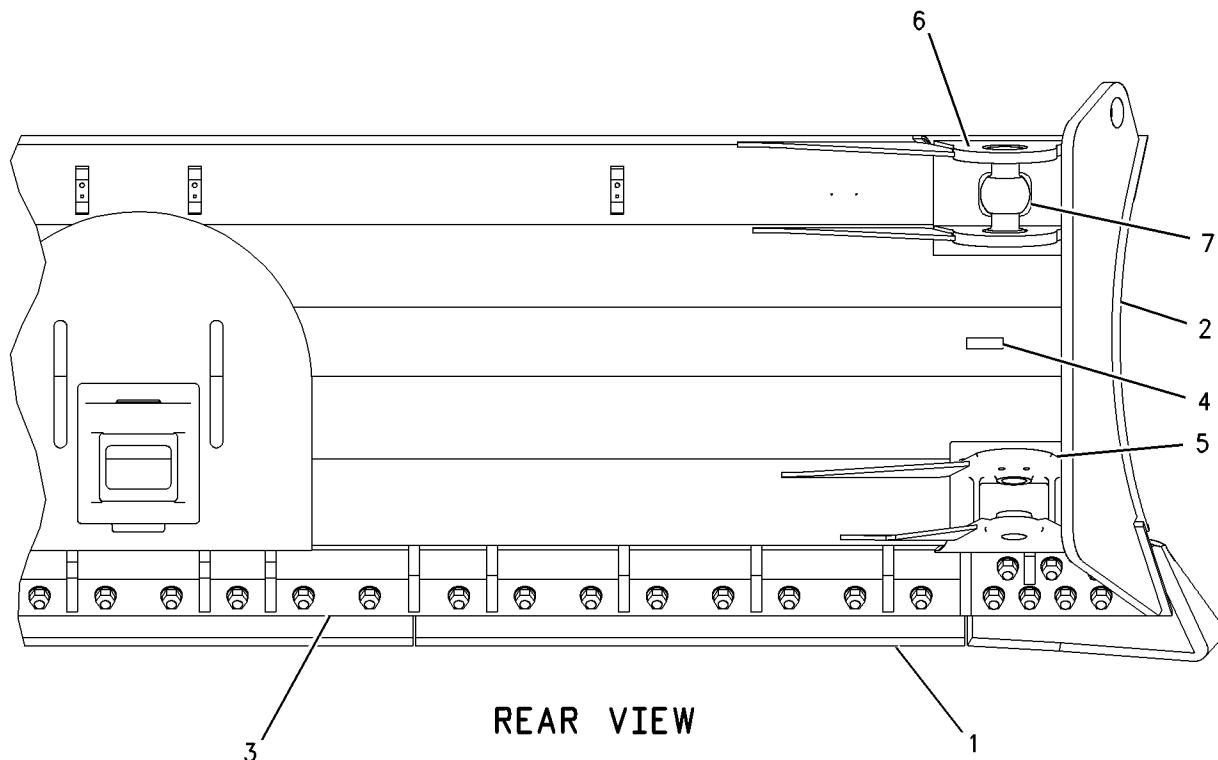
PART OF 151-1151 BLADE GP-ANGLING  
AN ATTACHMENT

SMCS-6060

i01397578

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
					1	2	3	4	5	6	
Y	1	1	135-9374	1	BIT & CUTTING EDGE GP						951
	2	1	143-3553	1	BLADE AS						
	3	1	147-3527	1	SUPPORT						
	4	1	8P-9770	1	PLATE						
	5	1	146-9505	2	BRACKET						
	6	1	146-9506	2	BRACKET AS						
					(EACH INCLUDES)						
	7	1	4J-2043	1	TRUNNION						

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00647861

# WORK TOOLS

## 163-9464 BLADE & EDGE GP

S/N: 3MP1-UP

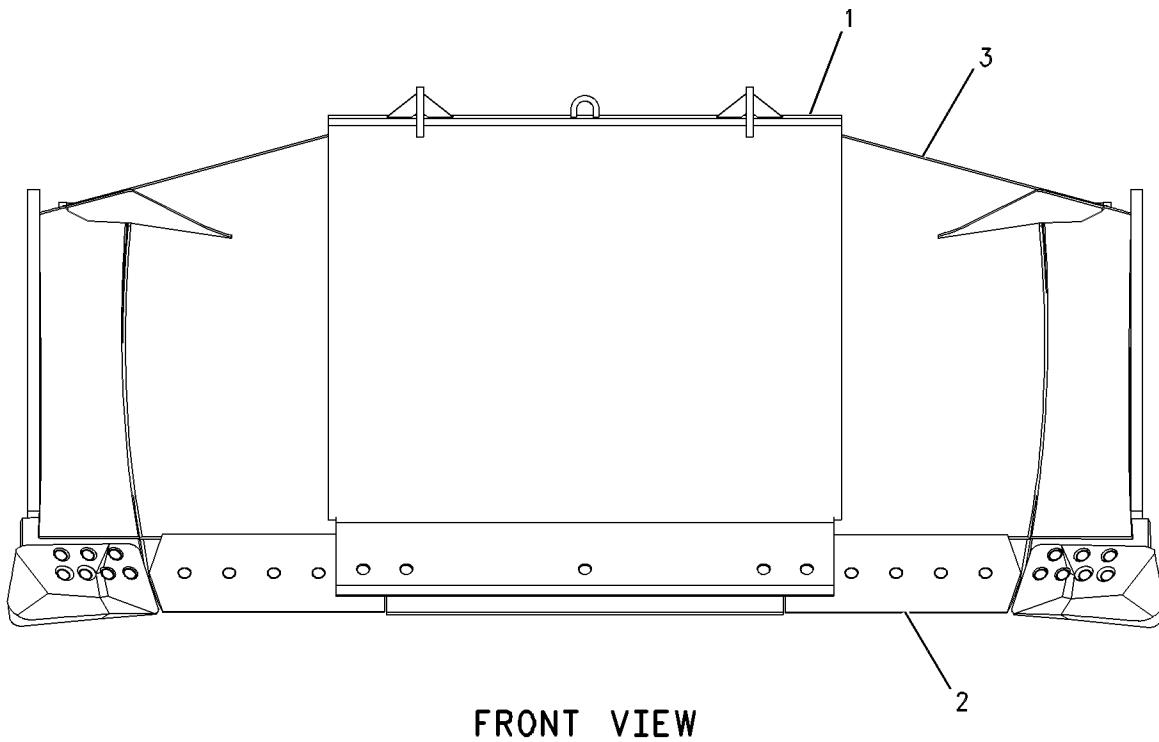
PART OF 163-9463 BULLDOZER AR  
AN ATTACHMENT

SMCS-6060

i01239755

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
Y	1	1	151-2979	1	BLOCK GP-PUSH	889
Y	2	1	163-9465	1	BIT & CUTTING EDGE GP	952
Y	3	1	163-9466	1	BLADE AS	962

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00662930

# WORK TOOLS

## 8E-6434 BLADE AS

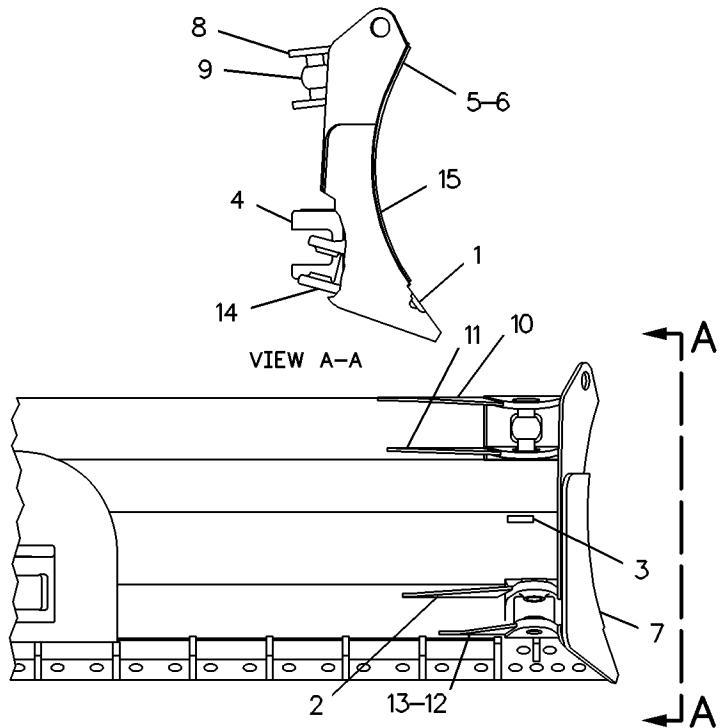
S/N: 4ZP1-99999

PART OF 9U-8081 BLADE & EDGE GP  
AN ATTACHMENT

SMCS-6060

i01120485

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		7T-6870	1	SUPPORT						
2	1		7T-6879	2	PLATE						
3	1		8P-9770	1	PLATE						
4	1		8E-6437	1	BRACKET						
5	1		7T-6853	1	PLATE-WEAR-RH						
6	1		7T-6854	1	PLATE-WEAR-LH						
7	1		7T-6873	1	SHOE-TRACK-RH						
	1		7T-6876	1	SHOE-TRACK-LH						
8	1		9W-4413	2	BRACKET AS ( EACH INCLUDES)						
9	1		163-5778	1	TRUNNION						
10	1		7T-6878	2	PLATE						
11	1		9W-4412	1	PLATE						
12	1		7T-6880	1	PLATE-RH						
13	1		7T-6881	1	PLATE-LH						
14	1		8E-6435	2	BRACKET						
15	1		7T-6855	2	PLATE-WEAR						



GRAPHIC #1

g00222788

# WORK TOOLS

## 163-9466 BLADE AS

S/N: 3MP1-UP

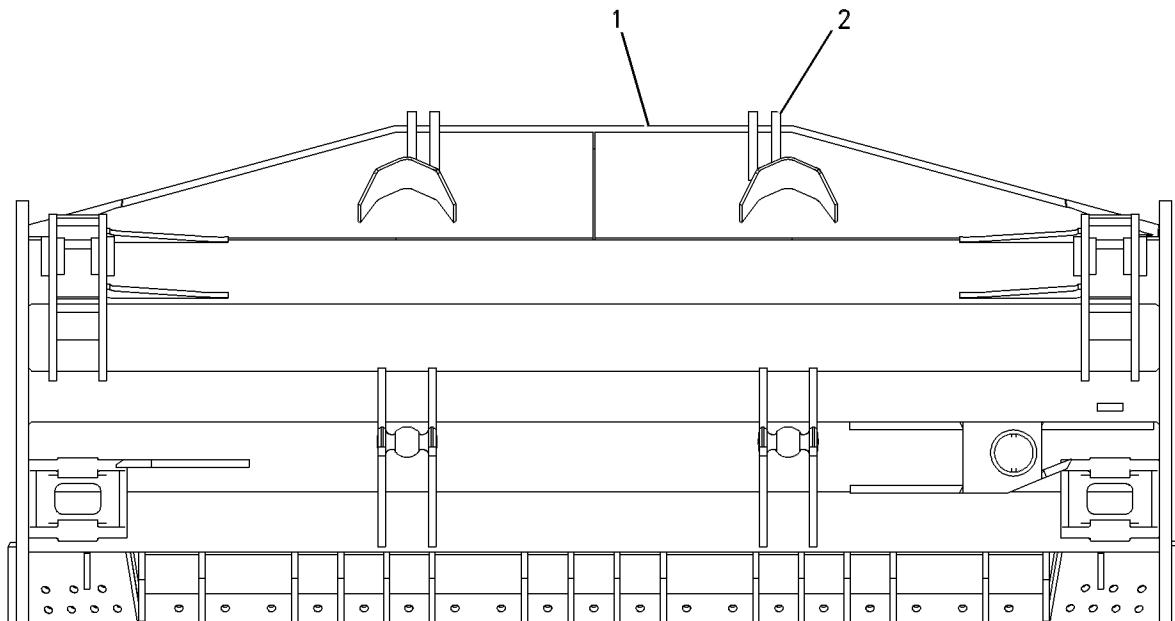
PART OF 163-9464 BLADE & EDGE GP  
AN ATTACHMENT

SMCS-6060

i01239745

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
Y	1	1	8E-6154	1	BLADE AS-SEMI-UNIVERSAL						964
	2	1	151-3004	4	BRACKET						

Y-SEPARATE ILLUSTRATION



REAR VIEW

GRAPHIC #1

g00662938

# WORK TOOLS

## 8E-6154 BLADE AS-SEMI-UNIVERSAL

S/N: 9EM1-UP; 3MP1-UP; 9TP1-UP

PART OF 9U-8083 BLADE & EDGE GP, 163-9466 BLADE AS, 8E-7224, 8E-7225 BLADE  
AS-SEMI-UNIVERSAL  
AN ATTACHMENT

SMCS-6060

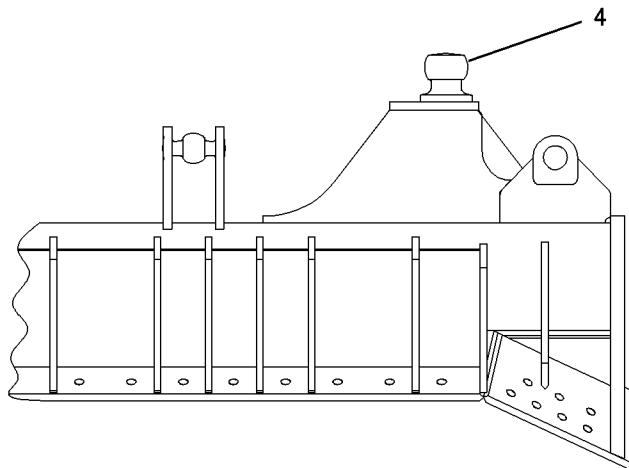
i01488377

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6 (PRODUCT LEVEL)		
1	1		8E-6155	1	BRACKET AS-RH							
2	1		8E-6156	1	BRACKET AS-LH							
(EACH INCLUDES)												
	1		3G-9995	1	PLATE							
3	1		1U-4961	1	PLATE-RH							
4	1		110-4206	1	TRUNNION AS							
5	1		1U-4962	1	PLATE-LH							
6	1		6I-8403	2	SUPPORT-OUTER							
7	1		7T-5936	1	SUPPORT-CENTER							
8	1		8E-6160	2	PLATE							
9	1		8P-9770	1	PLATE							
10	1		9J-6058	2	DEFLECTOR							
11	1		9J-0123	2	TRUNNION							
12	1		8E-6161	4	GUSSET-LH							
13	1		8E-6166	1	BRACKET-LH							
14	1		8E-6165	1	BRACKET-RH							

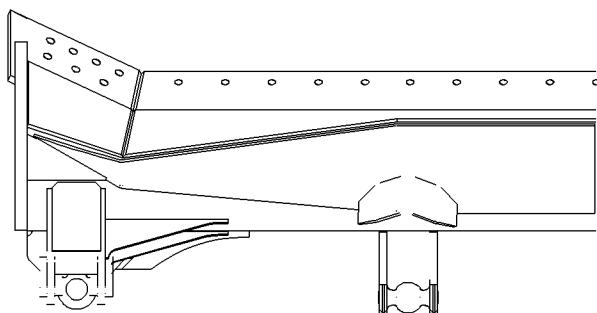
# WORK TOOLS

8E-6154 BLADE AS-SEMI-UNIVERSAL (*contd.*)

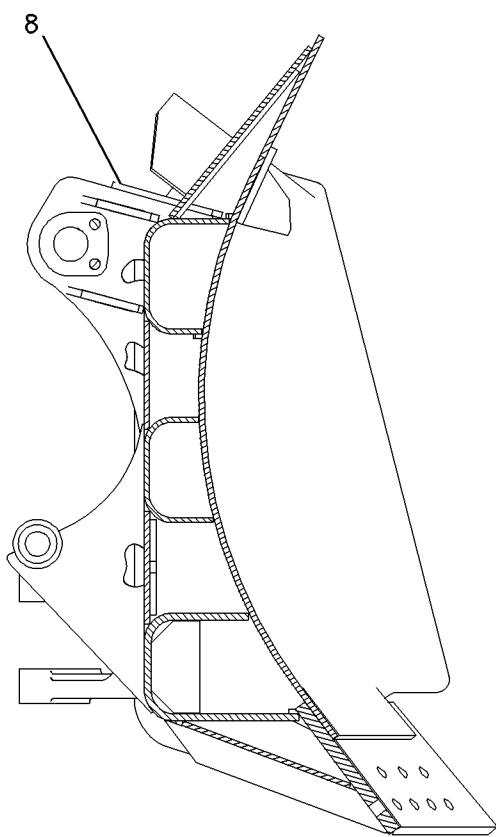
i01488377



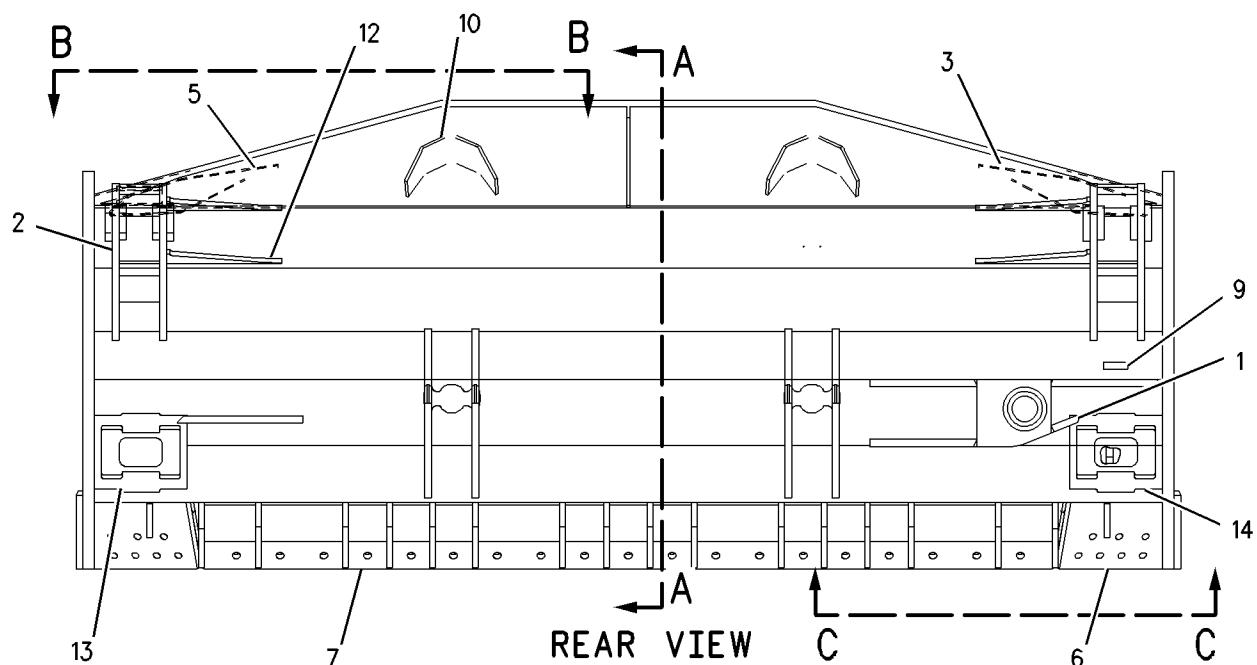
VIEW C-C



VIEW B-B



SECTION A-A



GRAPHIC #1

g00696873

# WORK TOOLS

## 8E-7224 BLADE AS-SEMI-UNIVERSAL

S/N: 9EM1-UP

SEMI-UNIVERSAL WITH ROCK GUARD AND WEAR PLATES  
PART OF 9U-8087 BLADE & EDGE GP  
AN ATTACHMENT

SMCS-6060

i01440929

NOTE	PART NUMBER	QTY	PART NAME	1    2    3    4    5    6 (PRODUCT LEVEL)	SEE PAGE
			BLADE AS-SEMI-UNIVERSAL		
Y	8E-6154	1	GUARD GP-ROCK		964
Y	8E-1497	1	PLATE GP-WEAR		614
Y	9W-2707	1			974

Y - SEPARATE ILLUSTRATION

# WORK TOOLS

## 8E - 7225 BLADE AS - SEMI - UNIVERSAL

S/N: 9EM1-UP  
WITH PUSH PLATE  
PART OF 9U-8088 BLADE & EDGE GP  
AN ATTACHMENT

SMCS-6060

i00570969

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	8E-6154	1	BLADE AS - SEMI - UNIVERSAL						964
Y - SEPARATE ILLUSTRATION									

# WORK TOOLS

## 8E-6187 BLADE AS-UNIVERSAL

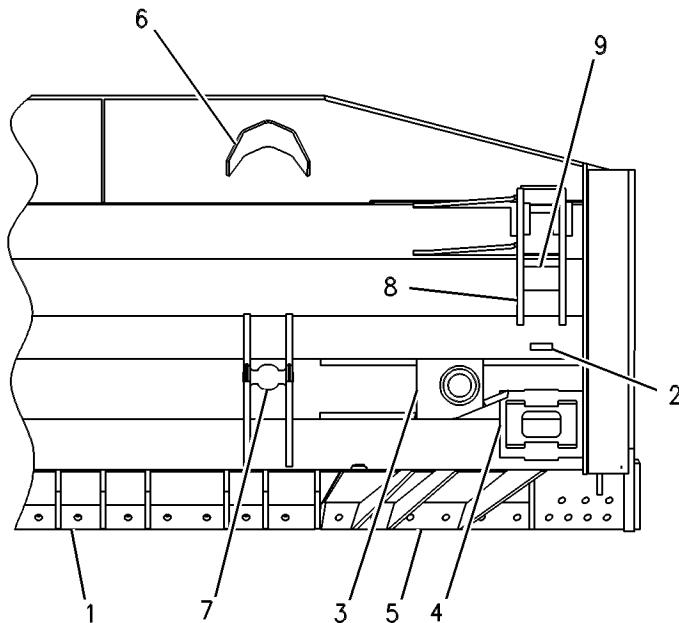
S/N: BHE1-UP; 9EM1-UP

PART OF 9U-8085 BLADE & EDGE GP, 8E-7226 BLADE AS-UNIVERSAL  
AN ATTACHMENT

SMCS-6053, 6060

i01488363

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		7T-7831	1	SUPPORT	
2	1		8P-9770	1	PLATE	
3	1		110-4206	1	TRUNNION AS	
4	1		8E-6165	1	BRACKET-RH	
	1		8E-6166	1	BRACKET-LH	
5	1		6I-8402	2	SUPPORT	
6	1		9J-6058	2	DEFLECTOR	
7	1		9J-0123	2	TRUNNION	
8	1		8E-6155	1	BRACKET AS-RH	
	1		8E-6156	1	BRACKET AS-LH	
(EACH BRACKET AS INCLUDES)						
9	1		3G-9995	1	PLATE	



GRAPHIC #1

g00273233

# WORK TOOLS

## 8E-7226 BLADE AS-UNIVERSAL

S/N: 9EM1-UP

PART OF 9U-8086 BLADE & EDGE GP  
AN ATTACHMENT

SMCS-6053, 6060

i01254756

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	8E-6187	1	BLADE AS-UNIVERSAL						968
Y	8E-4205	1	GUARD GP-ROCK						615
Y-SEPARATE ILLUSTRATION									

# WORK TOOLS

## 8E-6189 BLADE GP-ANGLING

S/N: 4ZP1-99999

PART OF 111-8283 BULLDOZER AR, 125-9171 BULLDOZER AR-ANGLING  
AN ATTACHMENT

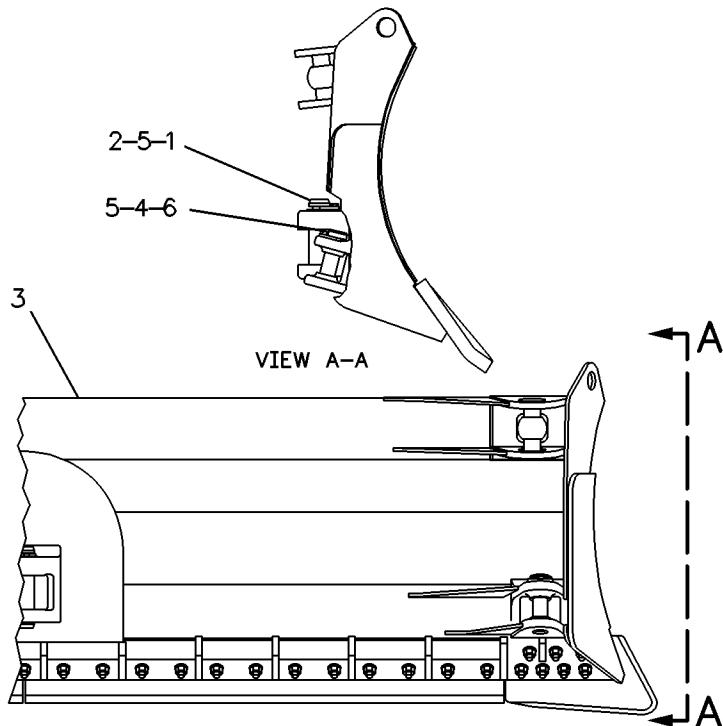
SMCS-6052, 6060

i00570925

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		6Y-6753	1	PIN						
2	1		4J-5401	1	RETAINER						
Y	3	1	9U-8081	1	BLADE & EDGE GP						953
	4	1	7T-6850	2	RETAINER						
M	5	1	7X-2552	5	BOLT (M16X2.0X30MM)						
	6	1	6J-3774	2	PIN						

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00222780

# WORK TOOLS

## 151-1151 BLADE GP-ANGLING

S/N: 9EM1-UP; BHR1-UP

PART OF 159-8378, 175-3852 BULLDOZER AR  
AN ATTACHMENT

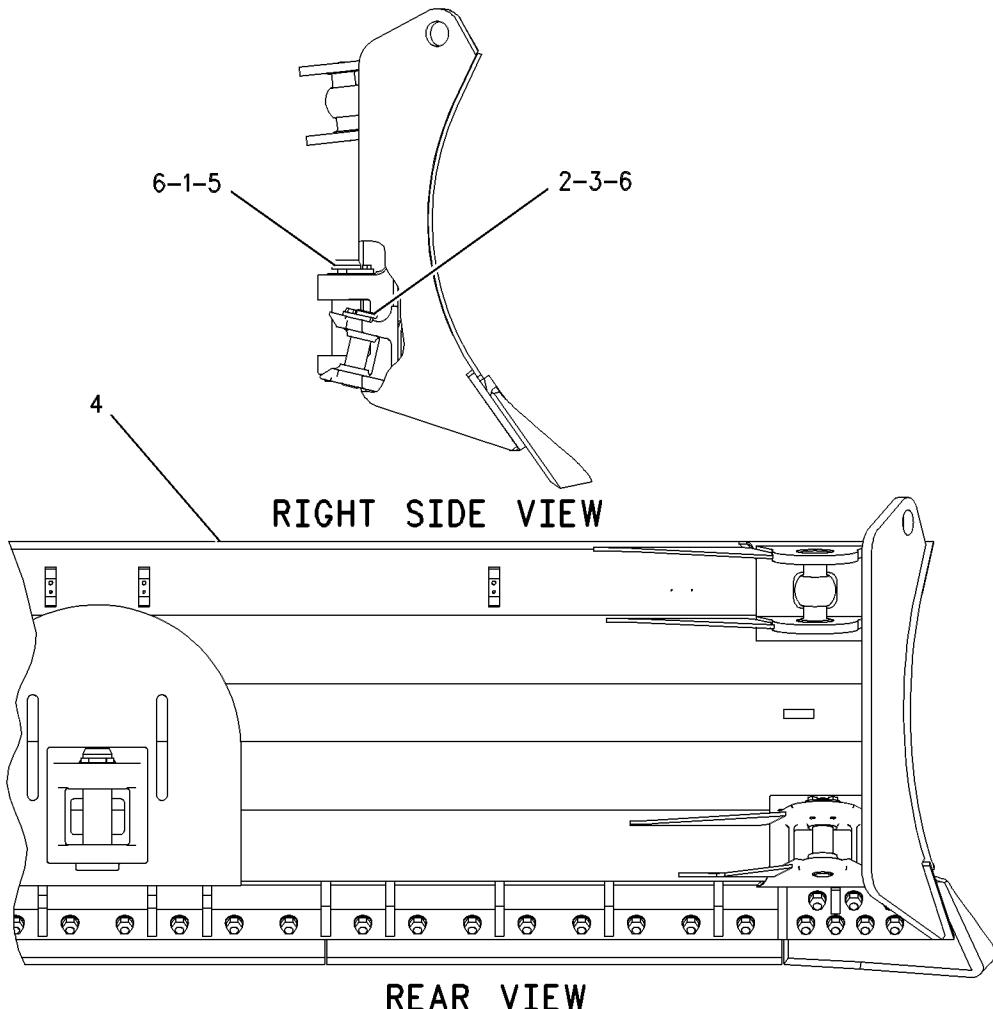
**SMCS-6052, 6060**

**i01397572**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		4J-5401	1	RETAINER	
2	1		6J-3774	2	PIN	
3	1		7T-6850	2	RETAINER	
Y	4	1	151-1150	1	BLADE & EDGE GP	959
	5	1	159-8807	1	PIN	
M	6	1	7X-2552	5	BOLT (M16X2X30MM)	

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00538747

# WORK TOOLS

## 8E-6151 BLADE GP - SEMI - UNIVERSAL

S/N: 3MP1-UP; 9TP1-UP

PART OF 159-1631 BULLDOZER AR, 111-8281 BULLDOZER AR-SEMI-UNIVERSAL  
AN ATTACHMENT

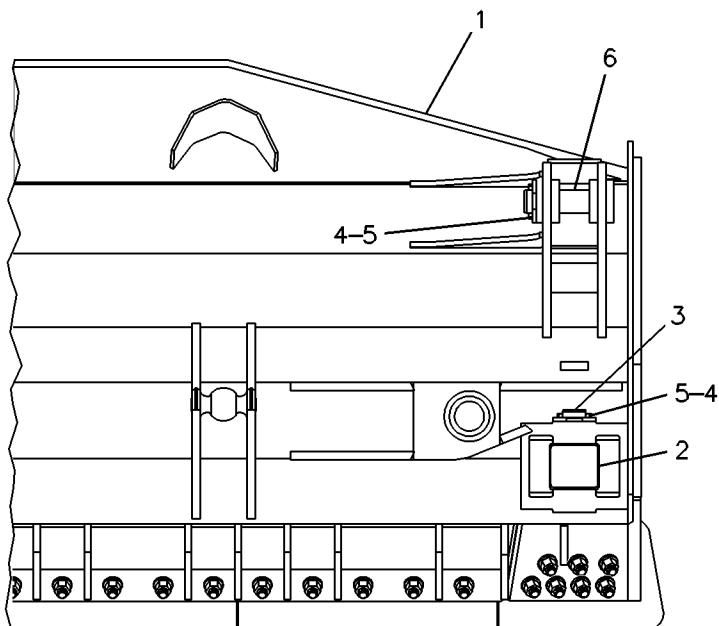
SMCS-6060, 6078

i00570910

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
Y	1	1	9U-8083	1	BLADE & EDGE GP						954
	2	1	8E-6758	2	CONNECTOR AS						
	3	1	4T-7534	2	PIN						
	4	1	6J-5179	4	RETAINER						
M	5	1	7X-2574	8	BOLT						
	6	1	1U-2472	2	PIN						

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00222840

# WORK TOOLS

## 8E-6150 BLADE GP-UNIVERSAL

S/N: BHE1-UP

PART OF 119-0486 BULLDOZER AR, 111-8279 BULLDOZER AR-UNIVERSAL  
AN ATTACHMENT

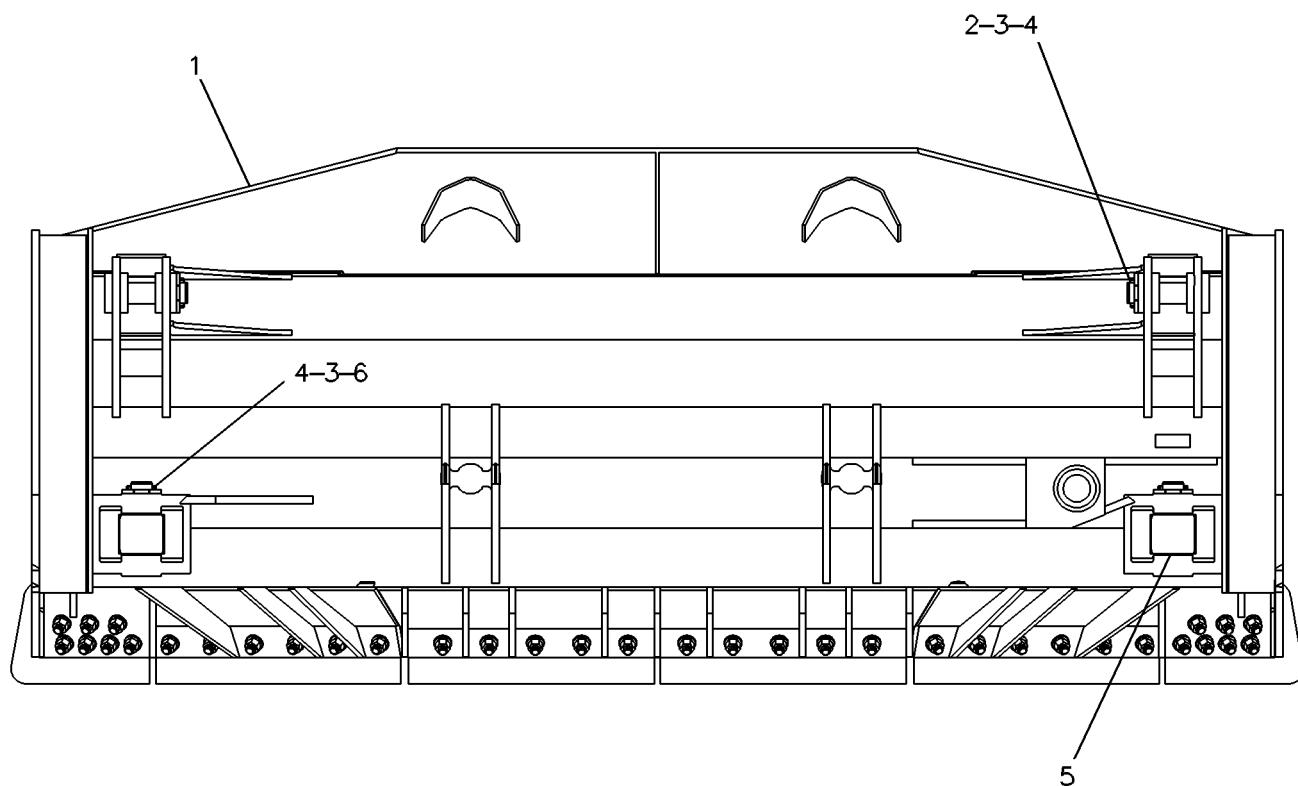
SMCS-6053, 6060

i01239353

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6		
Y	1	1	9U-8085	1	BLADE & EDGE GP							955
	2	1	1U-2472	2	PIN							
	3	1	6J-5179	4	RETAINER							
M	4	1	7X-2574	8	BOLT							
	5	1	8E-6758	2	CONNECTOR AS							
	6	1	4T-7534	2	PIN							

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00222832

# WORK TOOLS

## 9W-2707 PLATE GP-WEAR

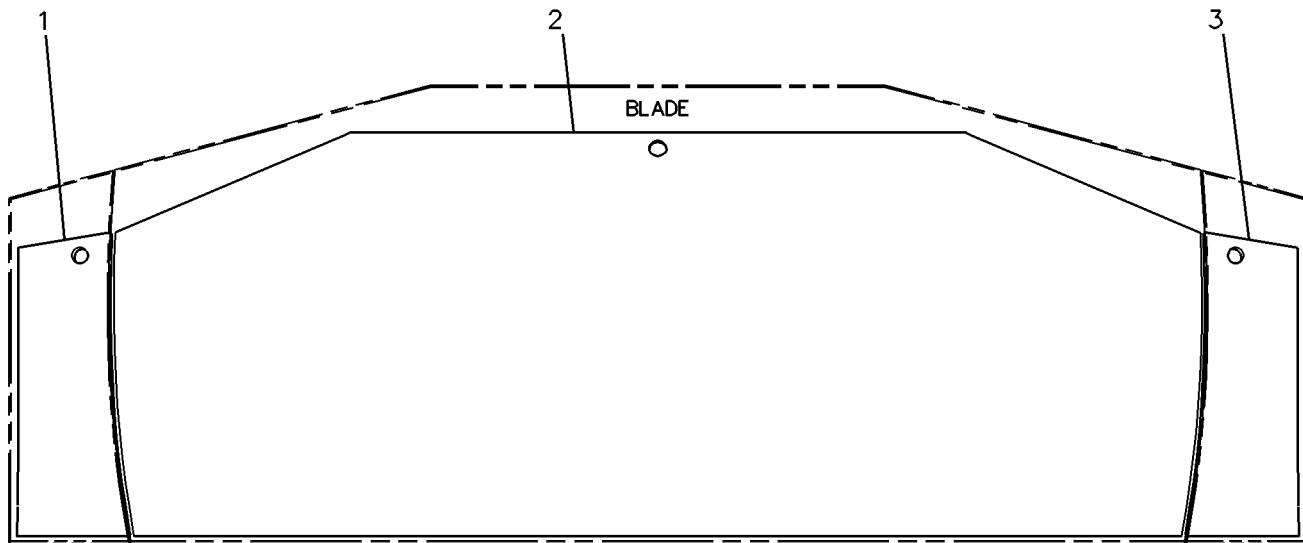
S/N: 9EM1-UP

PART OF 8E-7224 BLADE AS-SEMI-UNIVERSAL  
AN ATTACHMENT

SMCS-6820

i01440966

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		9W-2760	1	PLATE-LH						
2	1		9W-1771	1	PLATE-WEAR						
3	1		9W-2757	1	PLATE-RH						



REAR VIEW

GRAPHIC #1

g00224190

# WORK TOOLS

## 7T - 2447 RIPPER GP

S/N: 9FH1-99999

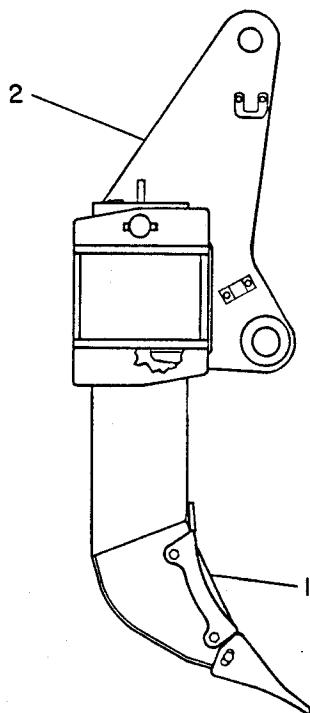
PART OF 8E-1588 RIPPER AR  
AN ATTACHMENT

SMCS-6311, 6312, 6315, 6316, 6325

i01065461

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
1 2 3 4 5 6 (PRODUCT LEVEL)						
Y	1	1	4T-8987	1	TOOTH GP-RIPPER	981
	2	1	8E-1586	1	BEAM AS	

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

g00216494

# WORK TOOLS

## 7T-2583 RIPPER GP

S/N: 9EH1-99999

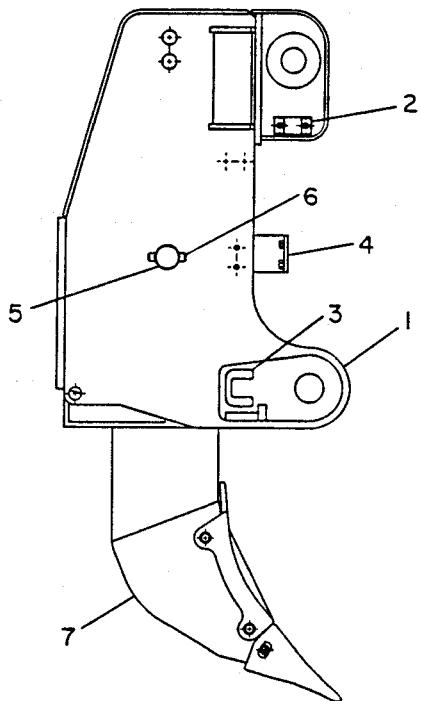
PART OF 6Y-9458 RIPPER AR  
AN ATTACHMENT

SMCS-6311, 6312, 6315, 6316, 6325

i00755468

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		7T-2584	1	CARRIAGE AS	
2	1		3J-6035	2	RETAINER	
3	1		2J-1227	2	RETAINER	
4	1		7T-8641	2	BRACKET AS	
					(EACH INCLUDES)	
	1		3J-5169	2	NUT (5/8-11 THD)	
5	1		4T-9668	1	PIN-G.E.T.	
6	1		4T-2479	2	PIN AS	
	1		5J-3576	1	SPRING	
Y	7	1	4T-8986	1	TOOTH GP-RIPPER	980

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00178397

# WORK TOOLS

## 153-3129 RIPPER GP

S/N: CXW1-UP

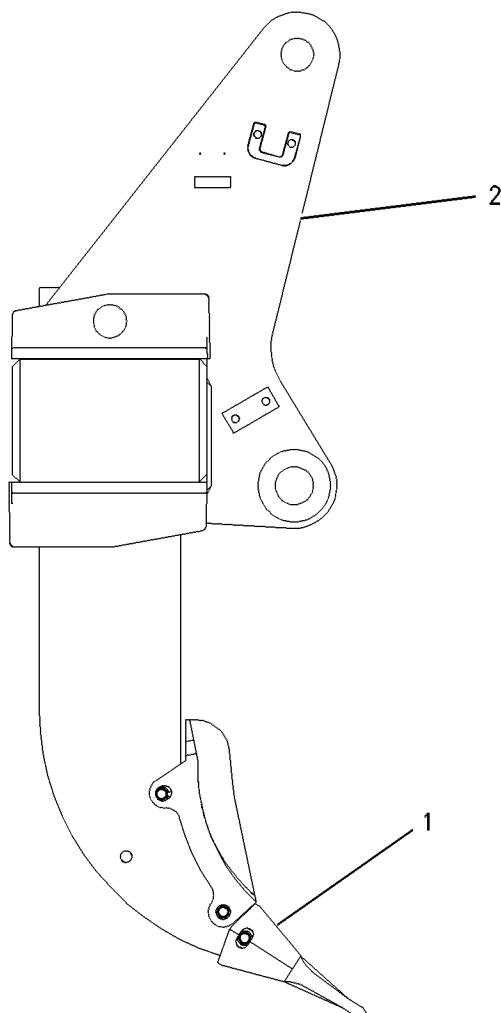
PART OF 188-2700 RIPPER AR  
AN ATTACHMENT

SMCS-6311, 6312, 6315, 6316, 6325

i01443003

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6		
Y	1	1	4T-8987	1	TOOTH GP-RIPPER							981
	2	1	155-4877	1	BEAM AS							
		1	2J-1227	2	RETAINER							

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00532829

# WORK TOOLS

## 153-3132 RIPPER GP

S/N: CXA1-UP

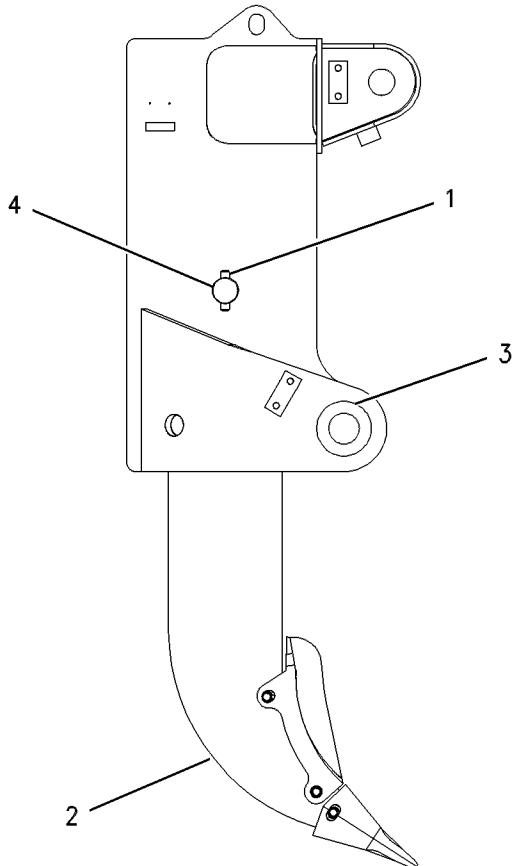
PART OF 188-2699 RIPPER AR  
AN ATTACHMENT

SMCS-6311, 6312, 6315, 6316, 6325

i01442169

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		4T-2479	2	PIN AS						
			1	5J-3576	1	SPRING					
Y	2	1	4T-8986	1	TOOTH GP-RIPPER						980
3	1		154-3230	1	CARRIAGE AS						
			1	8P-9770	1	PLATE					
			1	133-6614	1	BOSS					
4	1		6J-6703	1	PIN						

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00528119

# WORK TOOLS

## 4T-0137 TOOTH GP-RIPPER

S/N: 9EM1-UP

DEEP RIPPING SHANK

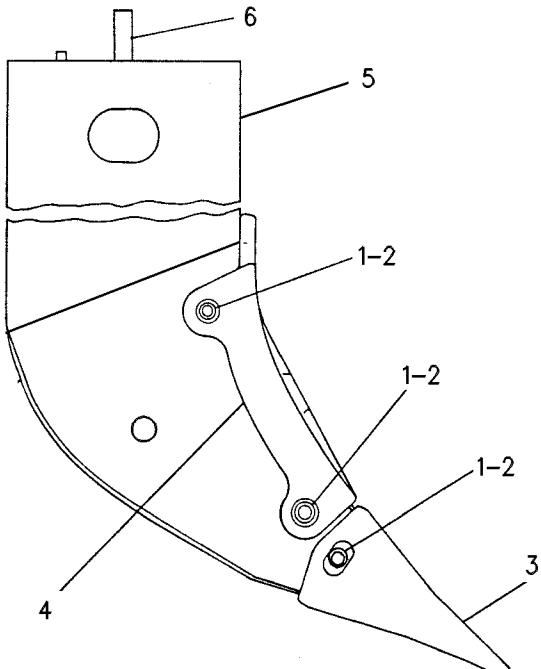
FOR USE WITH 6Y-9458-PAGE 942, 7T-4747-PAGE 934  
AN ATTACHMENT

SMCS-6808, 6810

i01256394

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
C	1	1	6Y-3394	3	PIN-G.E.T.						
C	2	1	8E-4743	3	RETAINER-G.E.T.						
3	1		9W-2451	1	TIP-RIPPER						
4	1		8E-1848	1	PROTECTOR						
C	5	1	8E-5340	1	SHANK AS-RIPPER						
	6	1	3G-5596	1	LUG						

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

g00247217

# WORK TOOLS

## 4T-8986 TOOTH GP-RIPPER

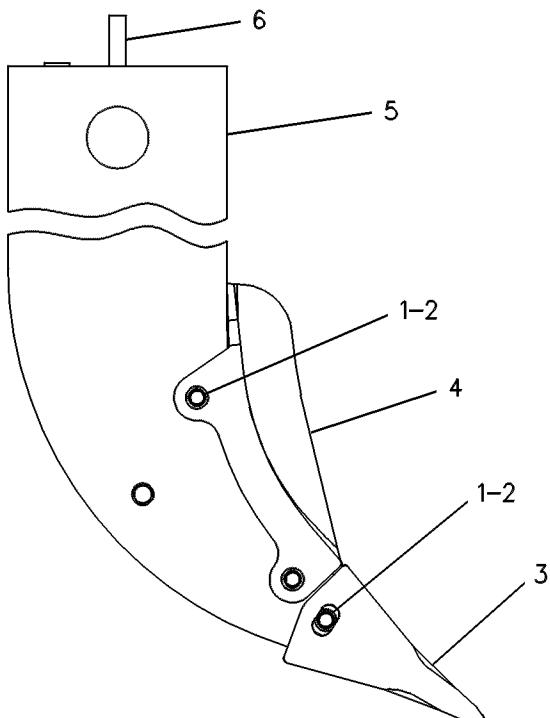
S/N: CXA1-UP; 9EH1-99999

PART OF 153-3132, 7T-2583 RIPPER GP  
AN ATTACHMENT

SMCS-6808, 6810

i00570526

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		6Y-3394	3	PIN-G.E.T.						
2	1		8E-4743	3	RETAINER-G.E.T.						
3	1		9W-2451	1	TIP-RIPPER						
4	1		8E-1848	1	PROTECTOR						
5	1		8E-5347	1	SHANK AS-RIPPER						
6	1		3G-5596	1	LUG						



GRAPHIC #1

g00234413

# WORK TOOLS

## 4T-8987 TOOTH GP-RIPPER

S/N: 9FH1-99999; 9EM1-UP; CXW1-UP

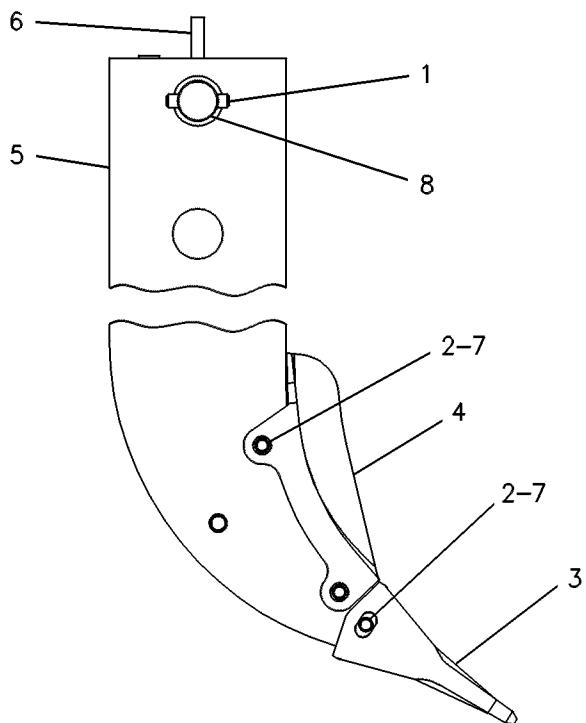
PART OF 153-3129, 7T-2447 RIPPER GP

AN ATTACHMENT

**SMCS-6808, 6810**

**i00570530**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)
					1	2	3	4	5	6	
1	1		4T-2479	2	PIN AS (EACH INCLUDES)						
			5J-3576	1	SPRING						
2	1		6Y-3394	3	PIN-G.E.T.						
3	1		9W-2452	1	TIP-RIPPER						
4	1		8E-1848	1	PROTECTOR						
5	1		8E-5346	1	SHANK AS-RIPPER						
6	1		3G-5596	1	LUG						
7	1		8E-4743	3	RETAINER-G.E.T.						
8	1		6J-6680	1	PIN						



GRAPHIC #1

g00234302

# OPERATOR STATION

## 173-1028 ADJUSTER GP - SEAT

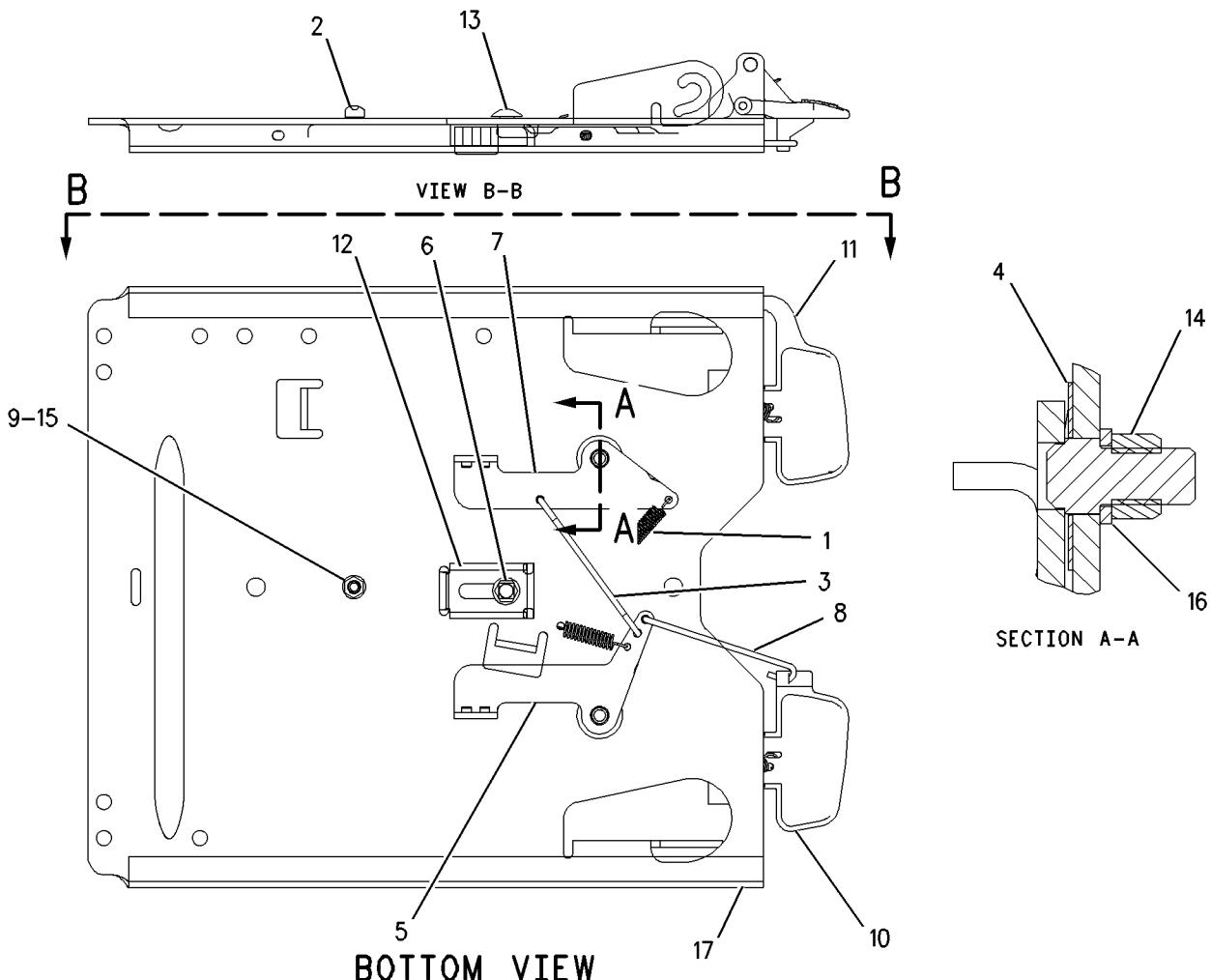
S/N: 9EM1049-UP

PART OF 180-7304 SEAT GP

SMCS-7321

i01437574

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		4V-8256	4	SPRING						
2	1		117-4486	1	ANCHOR						
3	1		117-4492	1	ROD						
4	1		132-0338	2	WASHER-PLASTIC						
5	1		136-1544	1	LATCH AS-LH						
6	1		143-1288	1	LOCKNUT-FLANGE						
7	1		156-5545	1	LATCH AS-RH						
8	1		164-4531	1	ROD						
9	1		9M-1974	1	WASHER-HARD (8.8X16X2MM THK)						
10	1		170-1114	1	HANDLE (SLIDE ADJUSTMENT)						
11	1		170-1115	1	HANDLE (TILT ADJUSTMENT)						
12	1		172-4001	1	BRACKET						
13	1		1D-4675	1	BOLT-CARRIAGE (3/8-16X.75 IN)						
14	1		2K-4973	2	LOCKNUT (3/8-16 THD)						
15	1		7L-8170	1	NUT-FULL (5/16-18 THD)						
16	1		7X-0608	2	WASHER-HARD (10.2X16X2.0MM THK)						
17	1		170-1112	1	PLATE AS						



GRAPHIC #1

g00686297

# OPERATOR STATION

## 173-1028 ADJUSTER GP-SEAT

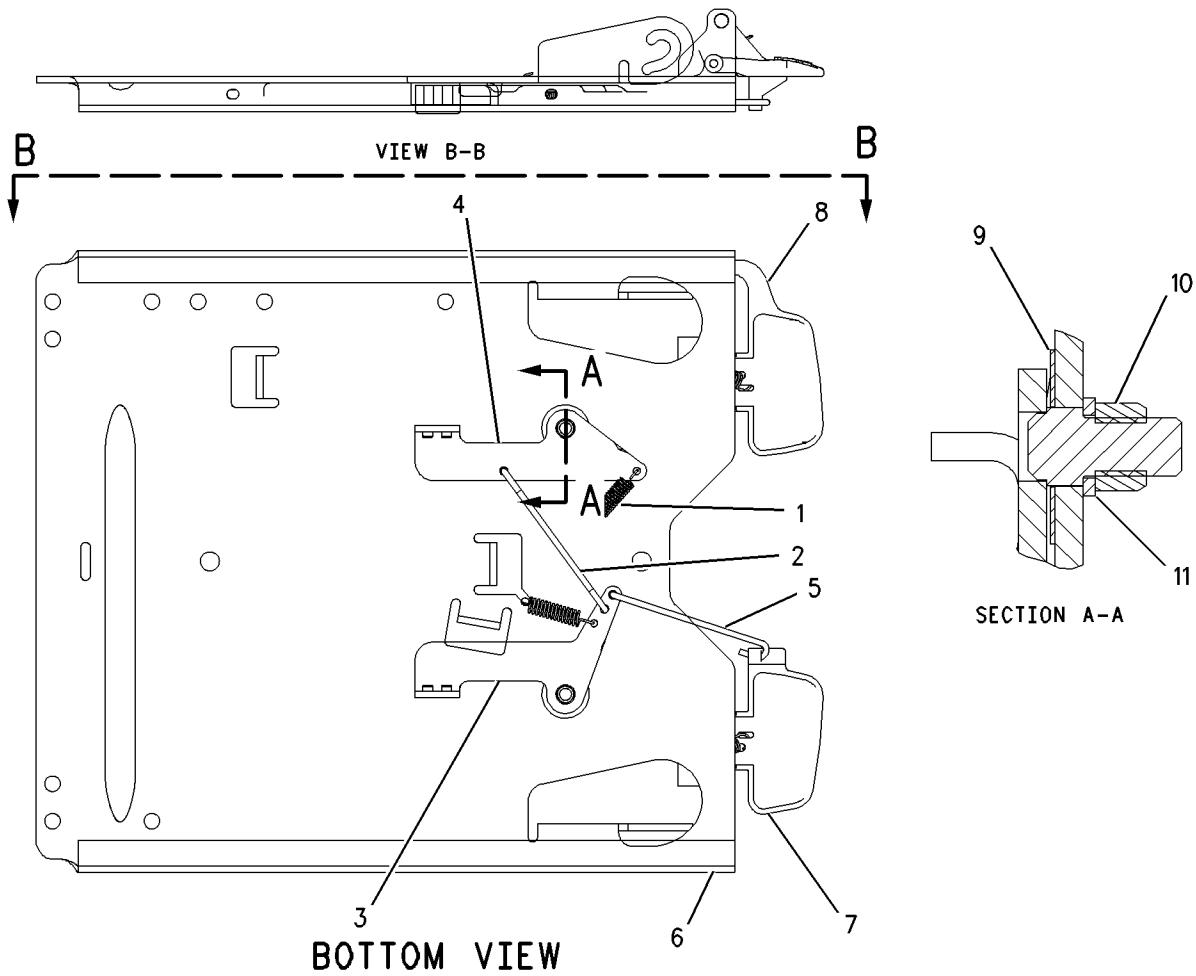
S/N: 9EM1-UP

PART OF 180-7304, 180-7306 SEAT GP  
AN ATTACHMENT

SMCS-7321

i01582195

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		4V-8256	4	SPRING						
2	1		117-4492	1	ROD						
3	1		136-1544	1	LATCH AS-LH						
4	1		156-5545	1	LATCH AS-RH						
5	1		164-4531	1	ROD						
6	1		170-1112	1	PLATE AS						
7	1		170-1114	1	HANDLE (SLIDE ADJUSTMENT)						
8	1		170-1115	1	HANDLE (TILT ADJUSTMENT)						
9	1		132-0338	2	WASHER-PLASTIC						
10	1		2K-4973	2	LOCKNUT (3/8-16 THD)						
11	1		7X-0608	2	WASHER-HARD (10.2X16X2.0MM THK)						



GRAPHIC #1

g00816460

# OPERATOR STATION

## 111-9796 AIR CONDITIONER AR

S/N: 9EM1-UP

R134A REFRIGERANT  
AN ATTACHMENT

SMCS-7320

i00570731

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	106-4003	1	AIR CONDITIONER GP						987
Y	116-6104	1	COMPRESSOR GP -REFRIGERANT						1008
Y	109-9941	1	CONDENSER & MTG GP -REFRIGERANT						1020
Y	111-7260	1	LINES GP-AIR CONDITIONER						1060
	110-6393	1	PLATE-INSTRUCTION (WARNING)						

Y- SEPARATE ILLUSTRATION

# OPERATOR STATION

## 111-9797 AIR CONDITIONER AR

S/N: 9EM1-UP

(R134A REFRIGERANT). REMOTE MOUNT CONDENSER  
FOR USE WITH 75 AMP ALTERNATOR  
AN ATTACHMENT

SMCS-7320

i01475282

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)						SEE PAGE
			1	2	3	4	5	6		
Y	106-4003	1	AIR CONDITIONER GP							987
Y	116-6104	1	COMPRESSOR GP-REFRIGERANT							1008
Y	<b>103-9527</b>	1	CONDENSER GP-REFRIGERANT							1022
Y	111-7265	1	LINES GP-AIR CONDITIONER							1072
Y	133-2259	1	MIRROR GP							1078
	<b>110-6393</b>	1	PLATE-INSTRUCTION (AIR CONDITIONER)							
			INSTALL ON LH SIDE OF DASH ABOVE AIR LOUVERS SO IT CAN BE SEEN THROUGH CAB DOOR AND STAMP WITH 1.8 KG REFRIGERANT AMOUNT FOR MACHINE							

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

## 131-8359 AIR CONDITIONER AR

S/N: 9EM1-UP

FOR USE WITH CAB, ROPS AND 75AMP ALTERNATOR  
AN ATTACHMENT

SMCS-7320

i01241724

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	106-4003	1	AIR CONDITIONER GP						987
Y	131-8357	1	CONDENSER & MOUNTING GP						1014
Y	116-6104	1	COMPRESSOR GP-REFRIGERANT						1008
	110-6393	1	PLATE-INSTRUCTION (AIR CONDITIONER) (ON LH SIDE OF DASH ABOVE AIR LOUVER)						
	132-3784	1	ROLLOVER AS						

Y - SEPARATE ILLUSTRATION

# OPERATOR STATION

## 106-4003 AIR CONDITIONER GP

S/N: 9EM1-UP

PART OF 111-9796, 111-9797, 131-8359 AIR CONDITIONER AR  
AN ATTACHMENT

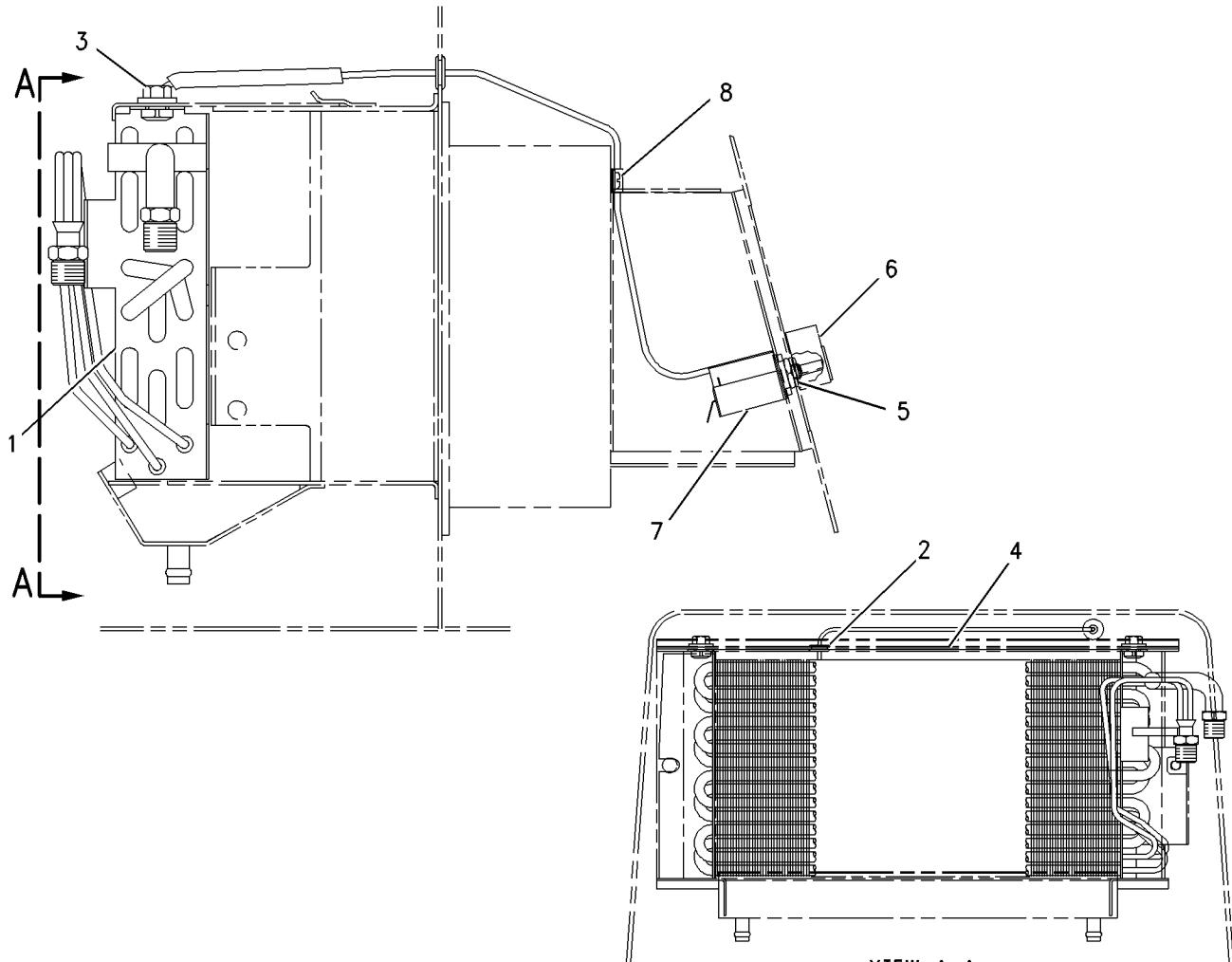
SMCS-7320

i01306881

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	105-7706	1	COIL-EVAPORATOR	
B	2	1	2V-1937	2	GROMMET	
3	1	5P-8167	2		BOLT (3/8-16X.625IN)	
	1	5P-1075	2		WASHER-HARD (3MM THK)	
D	4	1	5P-5643		SEAL	
5	1	2P-4339	1		NUT-JAM (7/16-20 THD)	
6	1	2V-0099	1		KNOB	
7	1	3E-5465	1		SWITCH AS-THERMOSTAT	
8	1	1V-3113	1		CLIP (3.18MM ID)	
	1	7S-4346	1		SCREW-MACHINE	
	1	2A-3211	1		WASHER (0.8MM THK)	

B-USE AS REQUIRED

D-ORDER BY THE METER



GRAPHIC #1

g00688620

# OPERATOR STATION

## 122-1136 ARMREST AR

S/N: 9EM1-UP

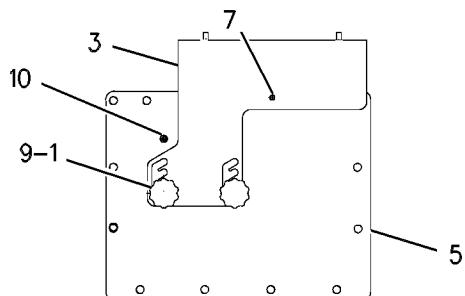
PART OF 128-5054 OPERATOR AR  
AN ATTACHMENT

SMCS-7307, 7312

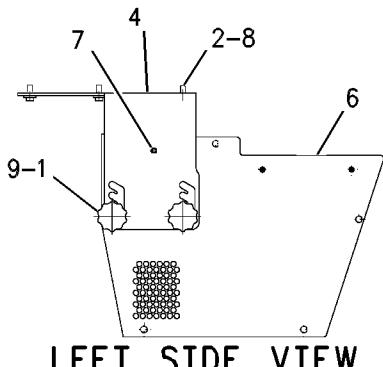
i01241691

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		6D-6812	4	KNOB AS							
2	1		7X-0469	5	BOLT							
3	1		122-3357	1	PLATE - RH							
4	1		122-3358	1	PLATE - LH							
5	1		122-6111	1	COVER AS							
	1		9D-4439	2	STUD-WELD (3/8-16X1.0IN)							
	1		1F-0750	1	NUT-WELD (3/8-16 THD)							
6	1		138-6153	1	COVER AS							
M	1		6V-9632	2	NUT-WELD (M6X1 THD)							
	1		9D-4439	2	STUD-WELD (3/8-16X1.0IN)							
7	1		153-8498	2	SCREW-FLAT HEAD							
8	1		5P-1075	5	WASHER-HARD (3MM THK)							
9	1		7X-0603	8	WASHER-HARD (2.5MM THK)							
10	1		2F-5326	1	SETSCREW							

M-METRIC PART



RIGHT SIDE VIEW



LEFT SIDE VIEW

GRAPHIC #1

g00594509

# OPERATOR STATION

## 6T - 3387 BLOWER GP - CAB

S/N: 9EM1-UP

PART OF 6T-3690 PRESSURIZER GP-CAB  
AN ATTACHMENT

SMCS-7316

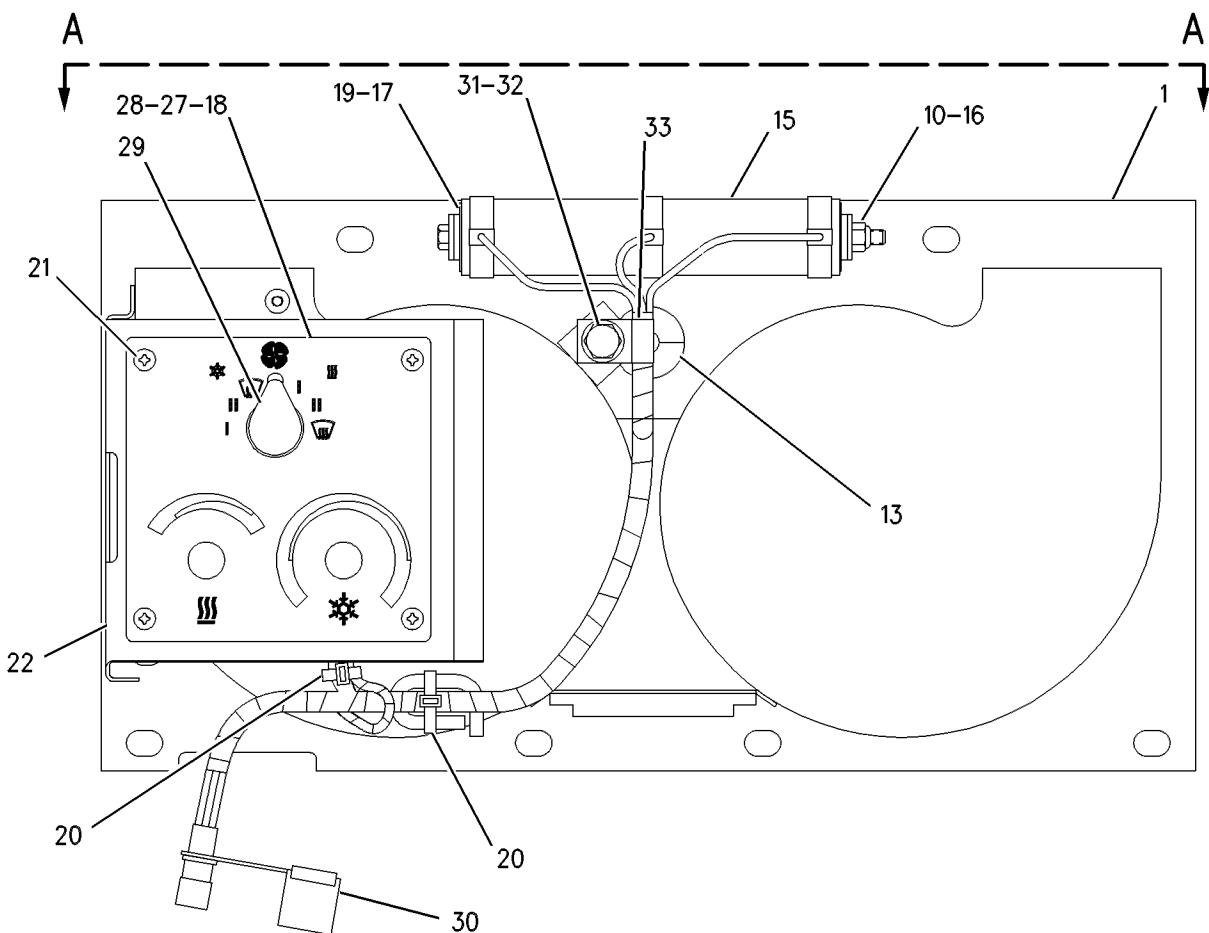
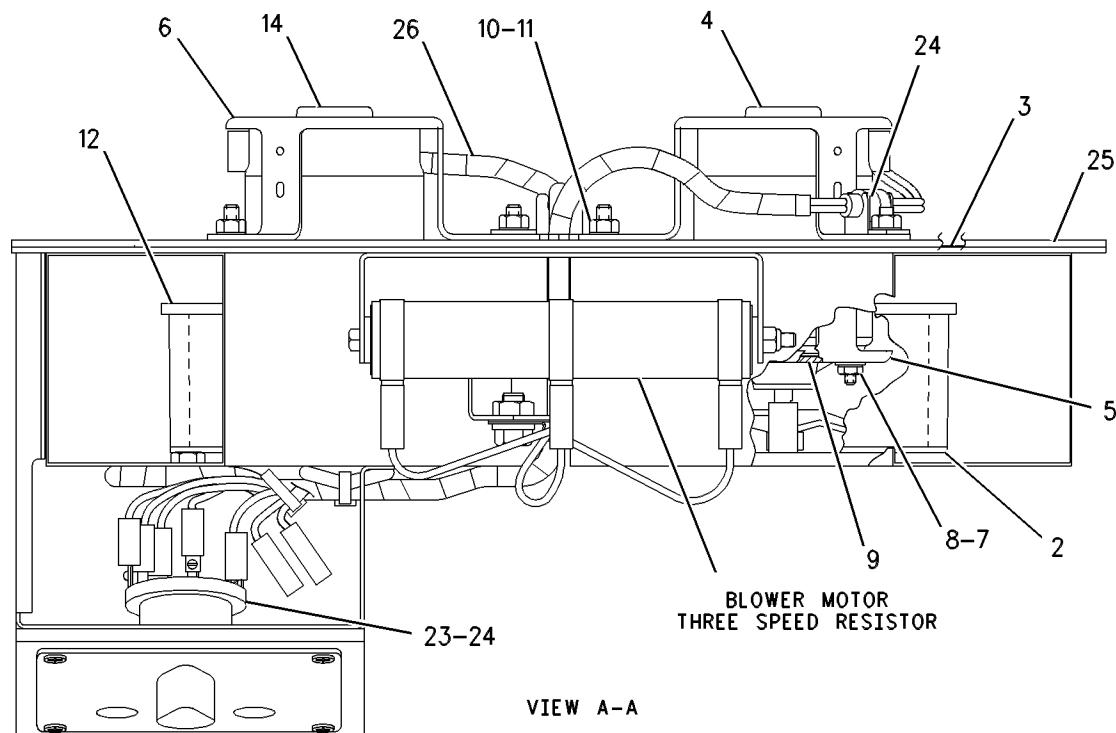
i01030682

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		6T-5616	1	PLATE AS	
2	1		118-5195	1	WHEEL-BLOWER	
3	1		7G-0942	2	PLATE-ORIFICE	
4	1		9G-8693	1	MOTOR AS	
	1		7N-9738	1	HOUSING-RECEPTACLE	
	1		7N-7780	1	PIN-CONNECTOR (BLADE)	
	1		7N-7779	1	SOCKET	
5	1		9G-1182	2	BRACKET	
6	1		2G-0415	2	BRACKET	
7	1		4B-4274	4	WASHER (1.2MM THK)	
8	1		1M-1230	4	NUT & LOCK AS	
9	1		4D-6624	2	WASHER-RUBBER	
10	1		7H-8909	7	LOCKNUT (1/4-20 THD)	
11	1		5P-4115	6	WASHER (2MM THK)	
12	1		118-5194	1	WHEEL-BLOWER	
13	1		5P-8441	1	GROMMET	
14	1		9G-8697	1	MOTOR AS	
	1		7N-9737	1	HOUSING-PLUG (1 PIN, 1 SOCKET)	
	1		7N-7780	1	PIN-CONNECTOR (BLADE)	
	1		7N-7779	1	SOCKET	
15	1		9G-1950	1	RESISTOR	
16	1		6V-3320	1	SCREW-MACHINE (1/4-20X7.50IN)	
17	1		6T-6708	2	WASHER (4.1MM THK)	
18	1		3E-3037	1	FILM-FACE	
19	1		6V-1668	2	WASHER (3MM THK)	
C	20	1	3S-2093	2	STRAP-CABLE (1.75IN DIA)	
	21	1	6V-7978	4	SCREW-MACHINE (10-32X0.375IN)	
	22	1	6T-5583	1	GASKET	
	23	1	6P-3236	1	SWITCH AS-ROTARY	
		1	6V-8362	5	SCREW-MACHINE (8-32X.31IN)	
		1	9B-7233	5	LOCKWASHER (NO.8)	
24	1		9G-9150	2	CLIP (10.2MM ID)	
25	1		6T-0385	1	GASKET	
26	1		9W-1816	1	HARNESS AS (TO BLOWER MOTORS)	
27	1		9W-1828	1	PANEL AS	
28	1		7T-1811	1	PLATE AS	
29	1		2V-0099	1	KNOB	
30	1		9G-2265	1	CLIP	
31	1		5P-8167	1	BOLT (3/8-16X.625IN)	
32	1		8T-4896	1	WASHER-HARD (2.5MM THK)	
33	1		5P-9085	1	CLIP	
34	1		2P-4339	1	NUT-JAM (7/16-20 THD)	
AVAILABLE REPAIR KIT(S):						
9G-0398      1      KIT-MOTOR BRUSH (INCLUDES BRUSHES & BRUSH CAPS)						
C-CHANGE FROM PREVIOUS TYPE						

# OPERATOR STATION

6T-3387 BLOWER GP-CAB (contd.)

i01030682



GRAPHIC #1

g00533501

# OPERATOR STATION

**112-6665 CAB AR**

S/N: 9EM1-UP

AN ATTACHMENT

SMCS-7301, 7325, 7335

i01582145

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	119-6724	1	CAB AR						993
Y	6Y-3527	1	TANK GP-WINDOW WASHER						1166
Y	7T-8714	1	HEATER GP-CAB						1032
Y	8E-5452	1	INSTRUMENT GP						1050
Y	7T-2547	1	LINES GP-HEATER						1077
Y	8E-1130	1	MOUNTING GP-CAB						1088
Y	6T-3690	1	PRESSURIZER GP-CAB						1116
Y	116-4080	1	ROPS GP						1128
Y	8Y-6138	1	SEAT GP-SUSPENSION (LUMBAR)						1152
			S/N: 9EM1-1253						
Y	159-2951	1	SEAT GP-SUSPENSION						1159
			S/N: 9EM1254-UP						
	6T-5297	1	PLATE						
	192-4556	1	FLOOR MAT						
	9W-8760	1	PLATE-LH						
	9W-8761	1	PLATE-RH						
	9N-1995	10	RIVET-POP						
	6J-0488	2	SCREW-BUTTON HEAD (3/8-16X0.875 IN)						
BE	5P-7211		SEAL						
	3E-6513	1	FILM-CATERPILLAR						
			LOCATE CENTERED ABOVE REAR WINDOW ON BACK OF CAB						

B-USE AS REQUIRED

E-ORDER BY THE CENTIMETER

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

**119-6724 CAB AR**

S/N: 9EM1-UP

PART OF 112-6665 CAB AR  
AN ATTACHMENT

SMCS-7301, 7325, 7335

i00569666

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	119-6728	1	CAB GP						996
Y	9U-8935	1	INSTALLATION GP-RADIO						1042
Y	9U-8930	1	LINER GP-CAB						1054
Y	9U-8940	1	MIRROR GP-REAR VIEW						1080
Y	127-6361	1	WASHER GP-WINDSHIELD						1170
Y	9U-8938	1	WIPER GP-WINDOW						1198

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

**198-7761 CAB AR**

S/N: 9EM1-UP

PART OF 200-8097 CAB AR  
AN ATTACHMENT

SMCS-7301, 7325, 7335

i01615153

NOTE	PART NUMBER	QTY	PART NAME	1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	198-7762	1	CAB GP		1000
Y	108-1335	1	HANDHOLD GP		1031
Y	105-9657	1	INSTALLATION GP-RADIO		1044
Y	198-7771	1	LINER GP-CAB		1058
Y	105-9659	1	MIRROR GP-REAR VIEW		1081
Y	158-7690	1	WASHER GP-WINDOW		1174
Y	158-7691	1	WIPER GP-WINDOW		1202

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

**200-8097 CAB AR**

S/N: 9EM1-UP

AN ATTACHMENT

SMCS-7301, 7325, 7335

i01615149

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	198-7761	1	CAB AR						994
Y	6I-9020	1	CONVERTER GP-ELECTRICAL						362
Y	7T-8714	1	HEATER GP-CAB						1032
Y	8E-5452	1	INSTRUMENT GP						1050
Y	7T-2547	1	LINES GP-HEATER						1077
Y	8E-1130	1	MOUNTING GP-CAB						1088
Y	6T-3690	1	PRESSURIZER GP-CAB						1116
Y	116-4080	1	ROPS GP						1128
Y	159-2951	1	SEAT GP-SUSPENSION						1159
Y	169-9648	1	TANK GP-WINDOW WASHER						1167
	192-4556	1	FLOOR MAT						
	9W-8760	1	PLATE-LH						
	9W-8761	1	PLATE-RH						
	9N-1995	8	RIVET-POP						
	6J-0488	2	SCREW-BUTTON HEAD (3/8-16X0.875 IN)						
D	5P-7211		SEAL						
	3E-6513	1	FILM-CATERPILLAR						
			CENTER ABOVE REAR WINDOW ON BACK OF CAB						

D-ORDER BY THE METER

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

**119-6728 CAB GP**

S/N: 9EM1-UP

PART OF 119-6724 CAB AR  
AN ATTACHMENT

**SMCS-7301, 7325, 7335**

**i01186734**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE			
					1				
					2	3	4	5	6 (PRODUCT LEVEL)
BE	1	1	<b>153-2681</b>		SEAL				
BD	2	1	<b>5P-6605</b>		SEAL				
Y	3	1	<b>8E-5114</b>	1	WINDOW AS-SLIDING				
	4	1	<b>8T-3561</b>	1	PLATE-IDENTIFICATION				
		1	<b>9N-1995</b>	2	RIVET-POP				
	5	1	<b>9G-1127</b>	2	GLASS (TINTED)				
Y	6	1	<b>8E-5112</b>	1	WINDOW AS-SLIDING				
	7	1	<b>5P-1076</b>	8	WASHER-HARD (4MM THK)				
	8	1	<b>6V-8928</b>	1	HOOK-COAT				
		1	<b>4V-6981</b>	1	SCREW-BUTTON HEAD (1/4-20X.75IN)				
BD	9	1	<b>5P-5926</b>		SEAL				
BD	10	1	<b>5P-5643</b>		SEAL				
	11	1	<b>5P-2228</b>	4	BOLT (1/2-13X1.0 IN)				
	12	1	<b>6T-7212</b>	2	GLASS				
	13	1	<b>5P-2566</b>	4	BOLT (1/2-13X1.50 IN)				
	14	1	<b>6I-9404</b>	1	DOOR AS-RH				
		1	<b>6I-9405</b>	1	DOOR AS-LH				
					(EACH DOOR AS INCLUDES)				
M		1	<b>6V-9632</b>	3	NUT-WELD (M6X1 THD)				
		1	<b>9G-1115</b>	1	HINGE				
		1	<b>9G-9153</b>	1	CLIP (12.00MM ID)				
	15	1	<b>9G-0992</b>	2	HANDHOLD				
BD	16	2	<b>5P-6605</b>		SEAL				
Y	17	2	<b>8E-5113</b>	1	WINDOW AS-SLIDING				
	18	2	<b>9U-8959</b>	1	CAB AS				
BE	19	2	<b>153-2681</b>		SEAL				
	20	2	<b>7G-2454</b>	1	GLASS (FRONT)				
J	21	2	<b>8T-1979</b>	1	LINKAGE AS (LH)				
		2	<b>8T-8914</b>	1	SEAL-LINKAGE				
J	22	2	<b>8T-1980</b>	1	LINKAGE AS (RH)				
		2	<b>8T-8914</b>	1	SEAL-LINKAGE				
	23	2	<b>6V-2331</b>	2	HANDLE AS (NON-LOCKING/OUTER)				
	24	2	<b>8T-9048</b>	1	LATCH AS-DOOR (LH)				
		2	<b>8T-9049</b>	1	LATCH AS-DOOR (RH)				
	25	2	<b>8T-3848</b>	2	STRIKER AS-LATCH				
					(EACH INCLUDES)				
		2	<b>6V-4270</b>	1	WASHER-CONICAL (3.5MM THK)				
	26	2	<b>4M-5282</b>	8	BOLT (1/4-20X1.50IN)				
		2	<b>2D-6235</b>	8	LOCKNUT (1/4-20 THD)				
B	27	2	<b>8T-0318</b>	8	SHIM (0.8MM THK)				
	28	2	<b>6V-7636</b>	4	PIN AS-SPRING				
	29	2	<b>6V-7190</b>	2	LEVER AS				
	30	2	<b>6I-9432</b>	1	COVER (RH)				
		2	<b>6I-9433</b>	1	COVER (LH)				
	31	2	<b>6V-2375</b>	2	HANDLE AS-INSIDE				
	32	2	<b>6V-3260</b>	8	BOLT-SOCKET HEAD (1/4-20X.75IN)				
	33	2	<b>6V-8073</b>	2	LINK-CONNECTING				
	34	2	<b>6V-3884</b>	4	SCREW-HEX SOCKET (1/4-20X0.5IN)				
	35	3	<b>4L-6454</b>	24	BOLT (3/8-16X1 IN)				
		3	<b>5P-1075</b>	24	WASHER-HARD (3MM THK)				
	36	3	<b>8T-9043</b>	2	BOLT (5/16-18X.875IN)				
	37	3	<b>4M-6425</b>	2	BOLT (5/16-18X1IN)				
	38	3	<b>6I-9386</b>	2	BRACKET AS				
	39	3	<b>5G-8655</b>	2	LEVER				
	40	3	<b>8E-1127</b>	1	PLATE AS (LH)				

# OPERATOR STATION

119-6728 CAB GP (contd.)

i01186734

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
	3		8E-1126	1	PLATE AS (RH)							
41	3		4K-3533	2	WASHER (17.5MM OD)							
42	3		5M-8500	2	KNOB							
43	3		3W-0887	2	ROD							
	3		1B-8735	2	KEY-WOODRUFF							
44	3		8C-3442	2	SPRING-COIL							
45	3		9D-9736	2	BUMPER							
BD	46	3	5P-7483		SEAL							

B-USE AS REQUIRED

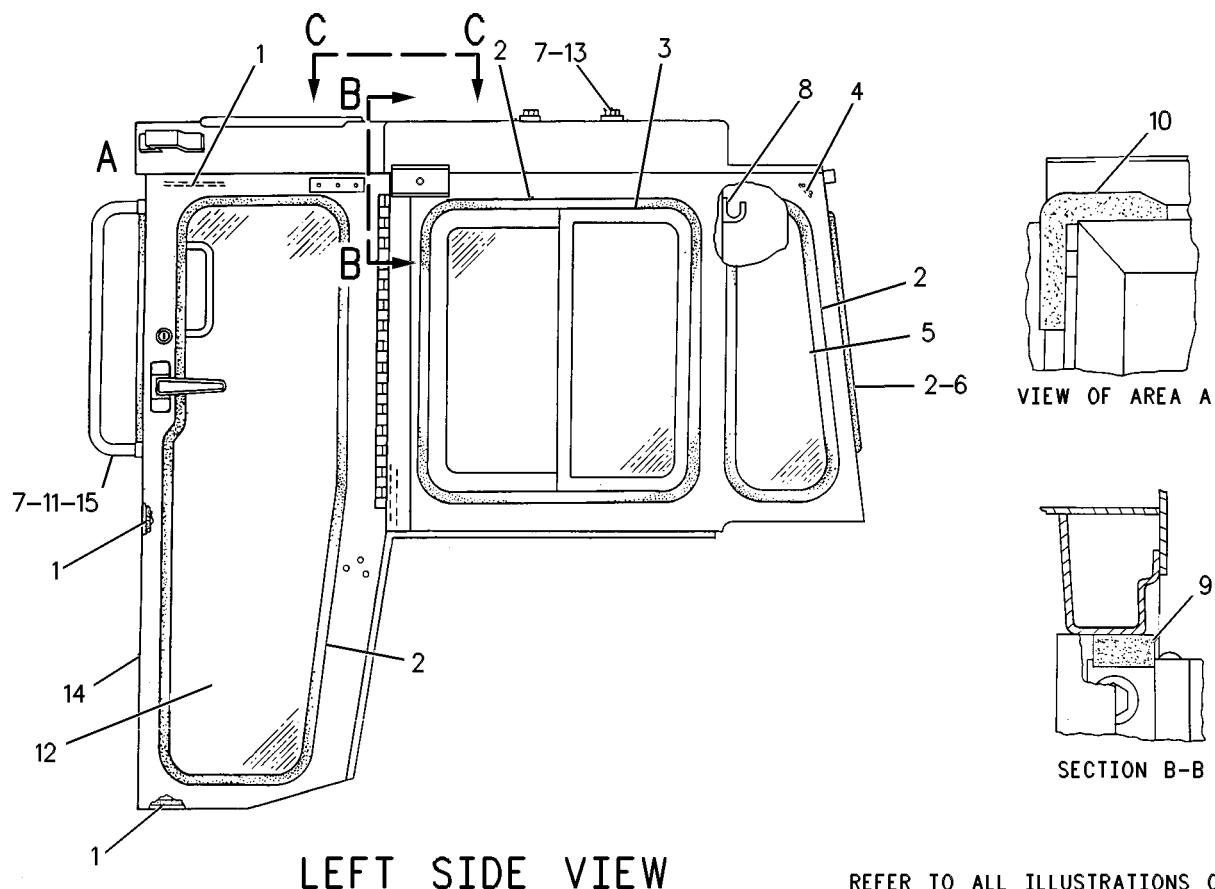
D-ORDER BY THE METER

E-ORDER BY THE CENTIMETER

J-REQUIRES 5P8500 KEY

M-METRIC PART

Y-SEPARATE ILLUSTRATION



REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

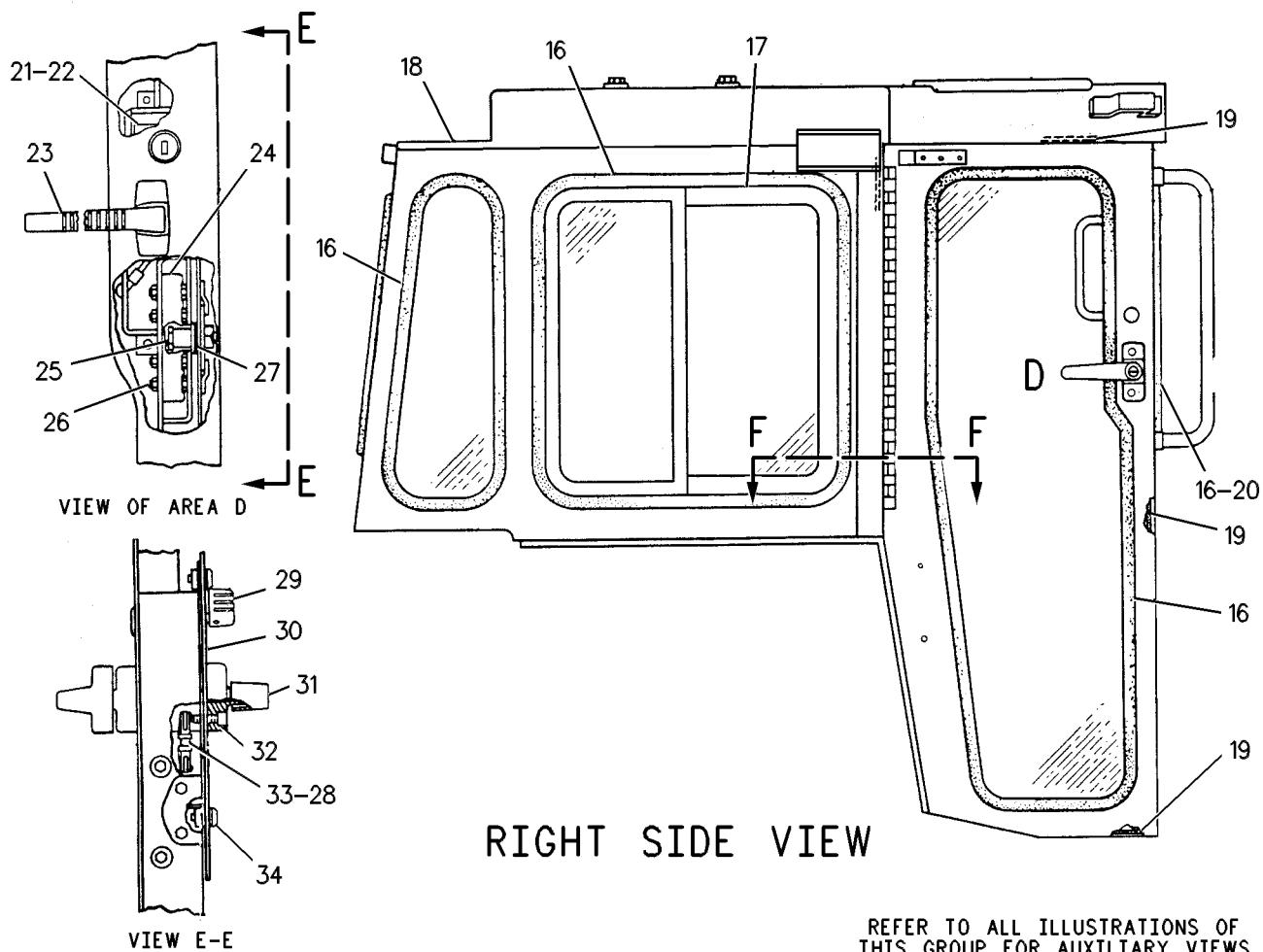
GRAPHIC #1

g00398093

# OPERATOR STATION

119-6728 CAB GP (*contd.*)

i01186734



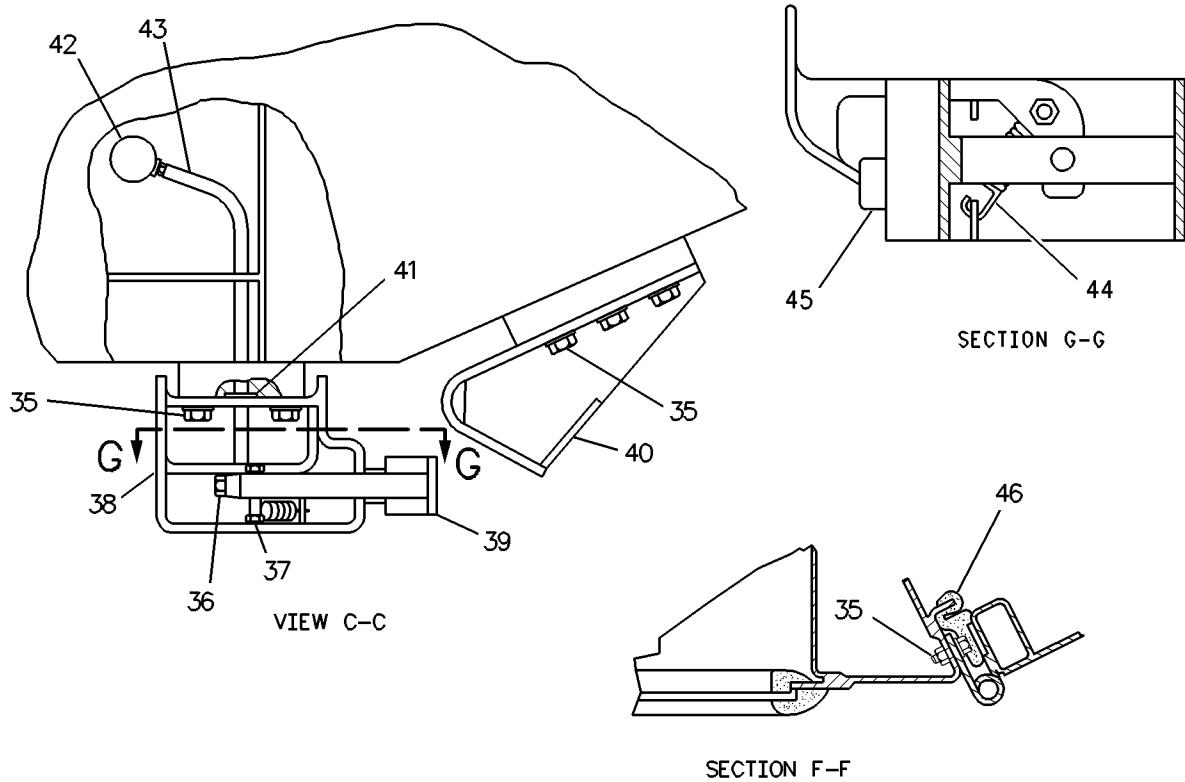
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g00398094

# OPERATOR STATION

119-6728 CAB GP (*contd.*)

i01186734



GRAPHIC #3

g00635277

# OPERATOR STATION

**198-7762 CAB GP**

S/N: 9EM1-UP

PART OF 198-7761 CAB AR  
AN ATTACHMENT

**SMCS-7301, 7325, 7335**

**i01615187**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	2		<b>5G-8655</b>	2	LEVER							
2	2		<b>6I-9386</b>	2	BRACKET AS (EACH INCLUDES)							
	2		<b>7P-7610</b>	2	PLATE							
3	2		<b>6I-9432</b>	1	COVER							
4	2		<b>6I-9433</b>	1	COVER							
5	2		<b>6V-2331</b>	2	HANDLE AS							
6	2		<b>6V-2375</b>	2	HANDLE AS-INSIDE							
7	2		<b>6V-3260</b>	8	BOLT-SOCKET HEAD (1/4-20X0.75 IN)							
8	2		<b>6V-7190</b>	2	LEVER AS (EACH INCLUDES)							
	2		<b>6V-8129</b>	2	SETSCREW-SOCKET							
9	2		<b>6V-7636</b>	4	PIN AS-SPRING							
10	2		<b>6V-8073</b>	2	LINK-CONNECTING							
11	1		<b>7G-2454</b>	1	GLASS (TINTED)							
12	2		<b>8C-3442</b>	2	SPRING-COIL							
Y	13	1	<b>8E-5112</b>	1	WINDOW AS-SLIDING (REAR)							1176
Y	14	1	<b>8E-5113</b>	1	WINDOW AS-SLIDING (RH)							1177
Y	15	1	<b>8E-5114</b>	1	WINDOW AS-SLIDING (LH)							1178
B	16	2	<b>8T-0318</b>	8	SHIM (0.8MM THK)							
	17	2	<b>8T-1979</b>	1	LINKAGE AS							
	2		<b>8T-8914</b>	1	SEAL-LINKAGE							
18	2		<b>8T-1980</b>	1	LINKAGE AS							
	2		<b>8T-8914</b>	1	SEAL-LINKAGE							
19	1		<b>8T-3561</b>	1	PLATE-IDENTIFICATION							
20	2		<b>8Y-8304</b>	2	STRIKER AS-LATCH (EACH INCLUDES)							
	2		<b>8T-4158</b>	1	WASHER (3.81MM THK)							
21	1		<b>9G-0992</b>	2	HANDHOLD							
22	1		<b>9G-1127</b>	2	GLASS							
23	2		<b>109-9828</b>	1	LATCH AS-ROTARY							
24	2		<b>109-9829</b>	1	LATCH AS-ROTARY							
25	2		<b>118-0693</b>	2	ROD							
26	1		<b>125-8254</b>	2	GLASS							
27	2		<b>170-5854</b>	1	BRACKET-RH							
28	2		<b>170-5855</b>	1	BRACKET-LH							
29	1		<b>198-7763</b>	1	CAB AS							
M	1		<b>6V-9632</b>	12	NUT-WELD (M6X1 THD)							
	1		<b>7K-3673</b>	4	BOSS							
M	1		<b>8T-3490</b>	12	NUT-WELD (M10X1.5 THD)							
	1		<b>5G-8871</b>	2	BOSS							
M	1		<b>6V-9632</b>	4	NUT-WELD (M6X1 THD)							
	1		<b>7T-1099</b>	14	LINK							
	1		<b>8E-3276</b>	4	SPACER (7.5X15X5MM THK)							
M	1		<b>9T-6001</b>	2	BOSS (M10X1.5X25MM)							
	1		<b>1K-5888</b>	2	SPACER (.42X.67X.63 IN THK)							
M	1		<b>8T-3597</b>	1	NUT-WELD (M12X1.75 THD)							
30	1		<b>198-7765</b>	1	DOOR AS-RH							
31	1		<b>198-7766</b>	1	DOOR AS-LH (EACH DOOR AS INCLUDES)							
M	1		<b>6V-9632</b>	3	NUT-WELD (M6X1 THD)							
32	2		<b>1B-8735</b>	2	KEY-WOODRUFF							
M	33	3	<b>3E-4304</b>	6	INSERT-THREADED							
34	2		<b>4K-3533</b>	2	WASHER (9.7X17.5X1.6MM THK)							
35	2		<b>4M-6425</b>	2	BOLT (5/16-18X1 IN)							

# OPERATOR STATION

**198-7762 CAB GP (contd.)**

**i01615187**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
36	2		<b>5M-8500</b>	2	KNOB							
37	1		<b>5P-1076</b>	9	WASHER-HARD (13.5X30X4MM THK)							
38	1		<b>5P-2228</b>	4	BOLT (1/2-13X1 IN)							
39	1		<b>5P-2566</b>	4	BOLT (1/2-13X1.5 IN)							
40	2		<b>6V-8189</b>	2	NUT (5/16-18 THD)							
41	3		<b>7X-0623</b>	12	WASHER (10.5X21X2MM THK)							
42	2		<b>7X-7729</b>	12	WASHER (11X25X3MM THK)							
M	43	2,3	<b>8T-4136</b>	24	BOLT (M10X1.5X25MM)							
M	44	1,2	<b>8T-4181</b>	8	BOLT (M6X1X20MM)							
M	45	1	<b>8T-4192</b>	1	BOLT (M12X1.75X25MM)							
	46	2	<b>8T-9043</b>	2	BOLT (5/16-18X.875 IN)							
	47	2	<b>9D-9736</b>	2	BUMPER							
	48	1	<b>9N-1995</b>	2	RIVET-POP							
M	49	2,3	<b>9X-2043</b>	8	SCREW-TRUSS HEAD (M6X1X14MM)							
BD	50	1	<b>5P-6605</b>		SEAL							
BD	51	3	<b>5P-5930</b>		SEAL							
BE	52	3	<b>103-2543</b>		SEAL							
BD	53	3	<b>5P-5643</b>		SEAL							
BD	54	3	<b>5P-7483</b>		SEAL							
BD	55	3	<b>8T-6936</b>		SEAL							

B-USE AS REQUIRED

D-ORDER BY THE METER

E-ORDER BY THE CENTIMETER

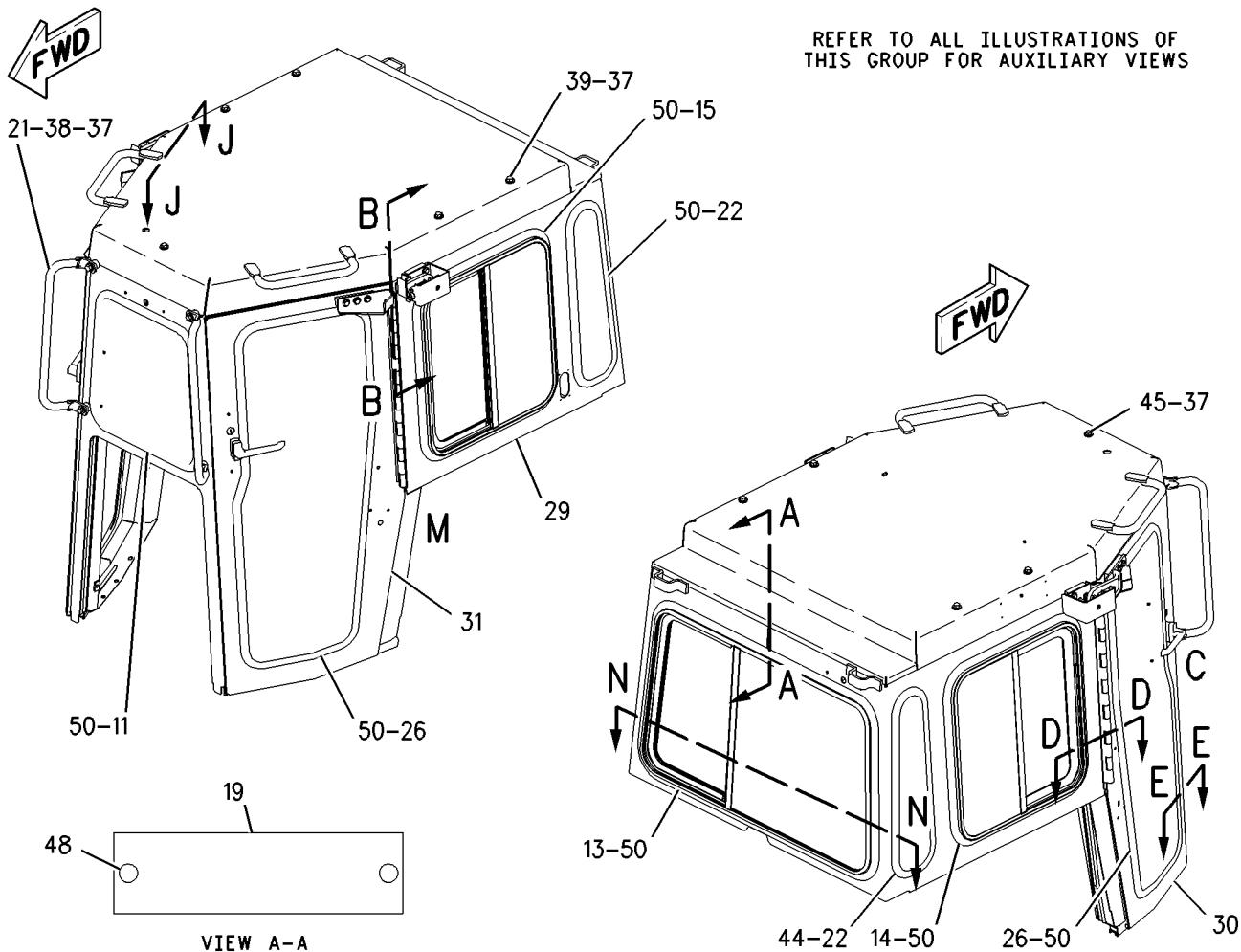
M-METRIC PART

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

198-7762 CAB GP (*contd.*)

i01615187



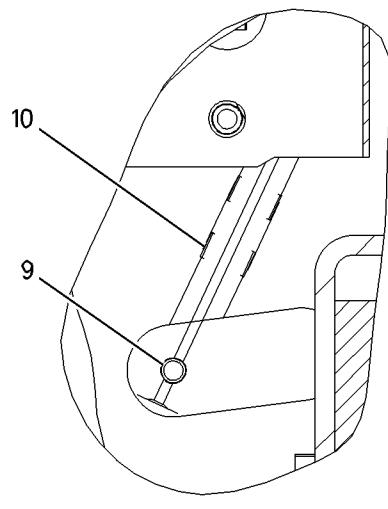
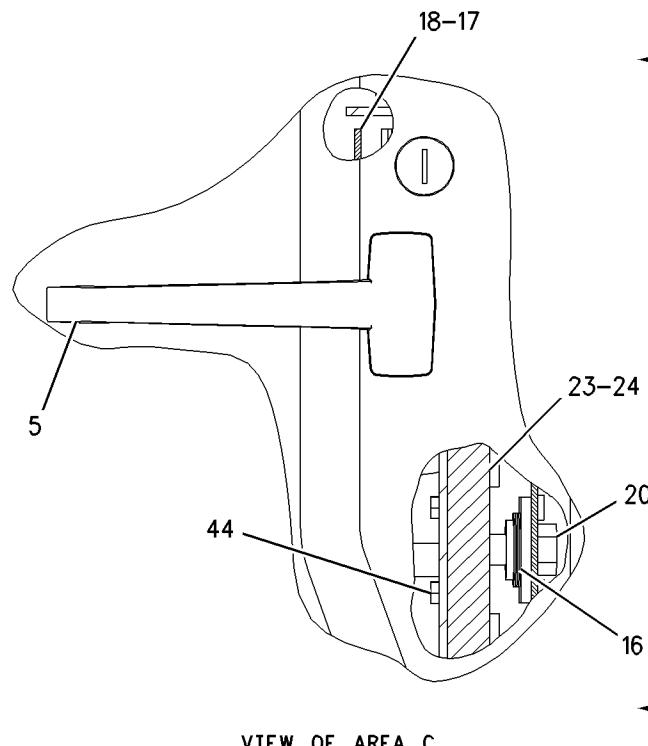
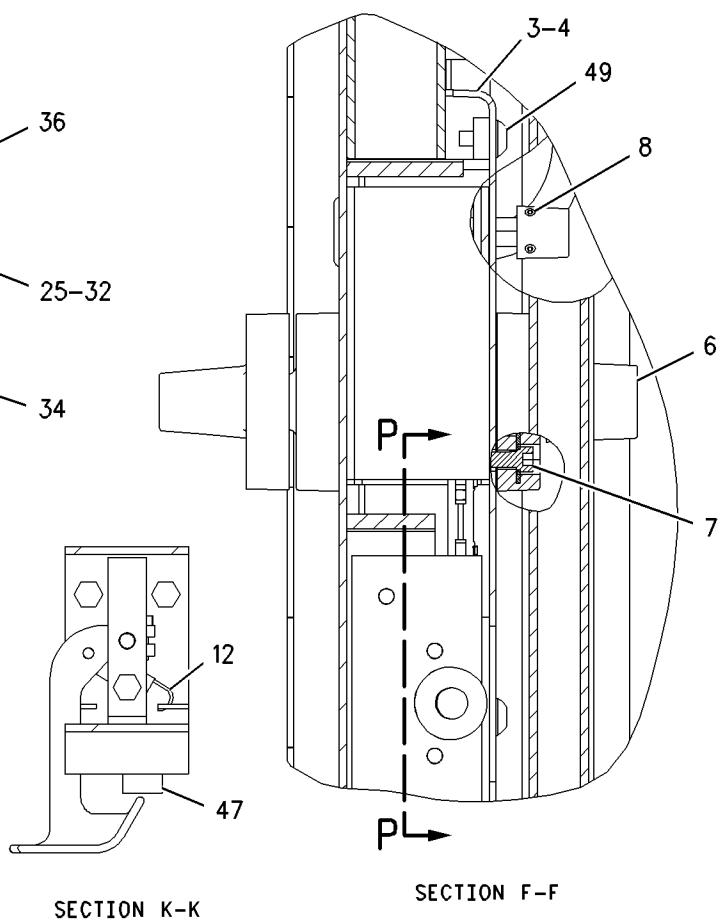
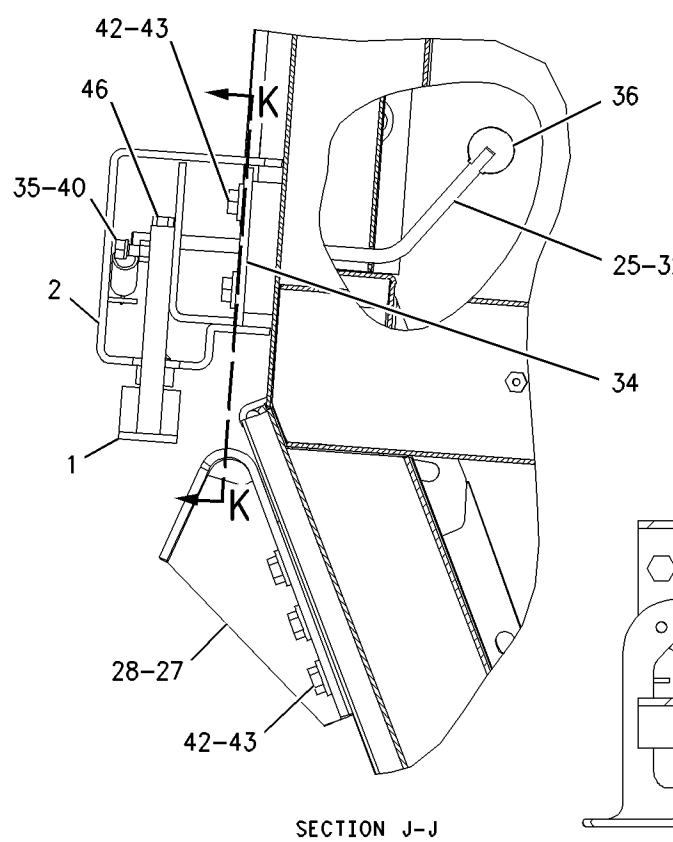
GRAPHIC #1

g00807298

# OPERATOR STATION

198-7762 CAB GP (contd.)

i01615187



VIEW OF AREA C

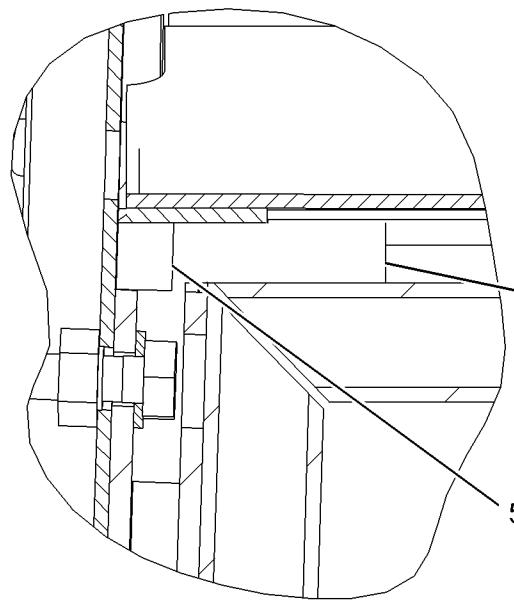
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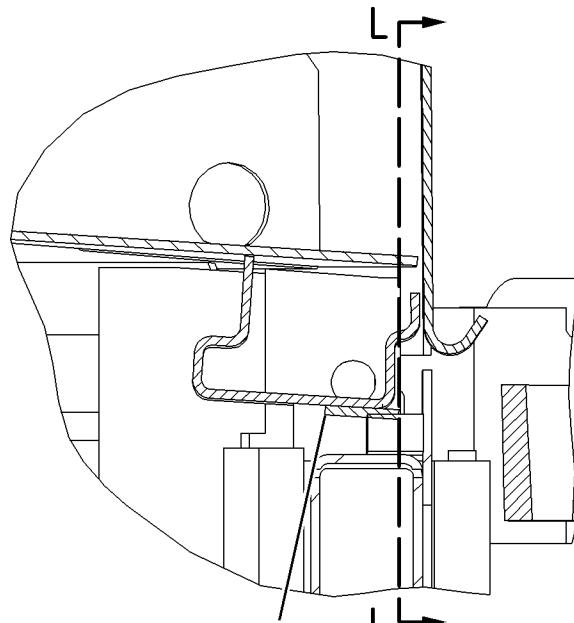
# OPERATOR STATION

198-7762 CAB GP (contd.)

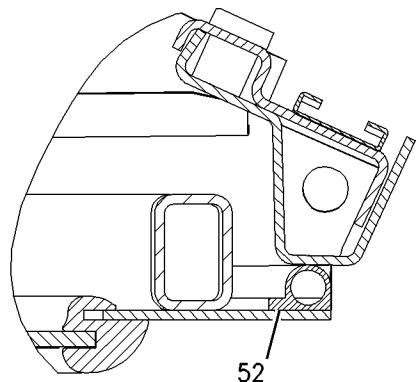
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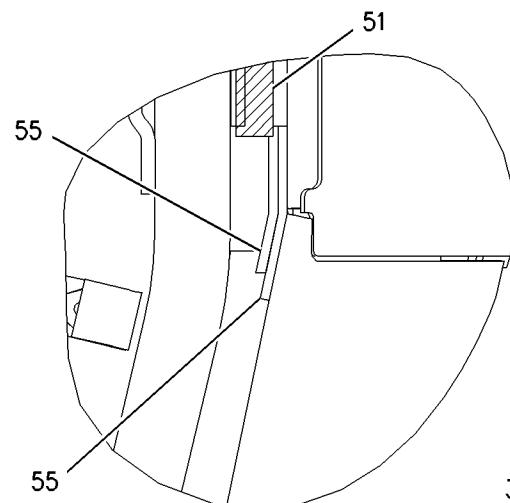
SECTION L-L



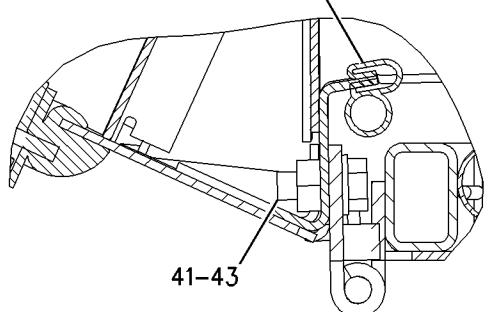
SECTION B-B



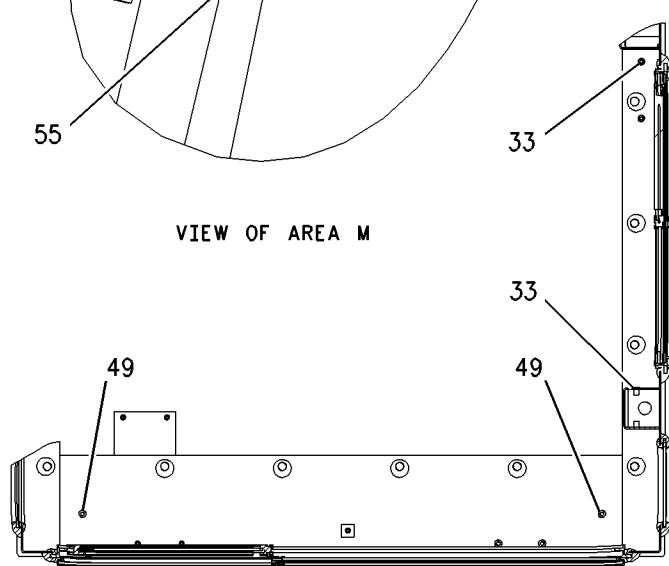
SECTION E-E



VIEW OF AREA M



SECTION D-D



SECTION N-N

GRAPHIC #3

g00809324

# OPERATOR STATION

## 3E - 1906 COMPRESSOR GP - REFRIGERANT

S/N: 9EM1-UP

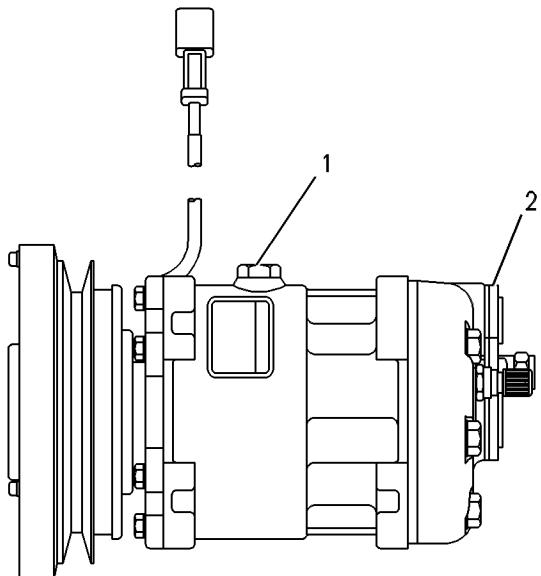
PART OF 116-6104 COMPRESSOR GP - REFRIGERANT  
AN ATTACHMENT

SMCS-1802

i01093702

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
C	1	1	7T-4532	1	PLUG AS						
C	2	1	9X-7385	2	SEAL - O-RING (20.22MM ID)						

C - CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

g00273360

# OPERATOR STATION

## 101-1759 COMPRESSOR GP - REFRIGERANT

S/N: 9EM1-464

PART OF 116-6104 COMPRESSOR GP - REFRIGERANT  
AN ATTACHMENT

SMCS-1802

i00926323

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	134-3997	1	COMPRESSOR GP - REFRIGERANT						1012

Y - SEPARATE ILLUSTRATION

# OPERATOR STATION

## 116-6104 COMPRESSOR GP - REFRIGERANT

S/N: 9EM1-464

PART OF 111-9796 AIR CONDITIONER AR  
AN ATTACHMENT

SMCS-1802

i00570838

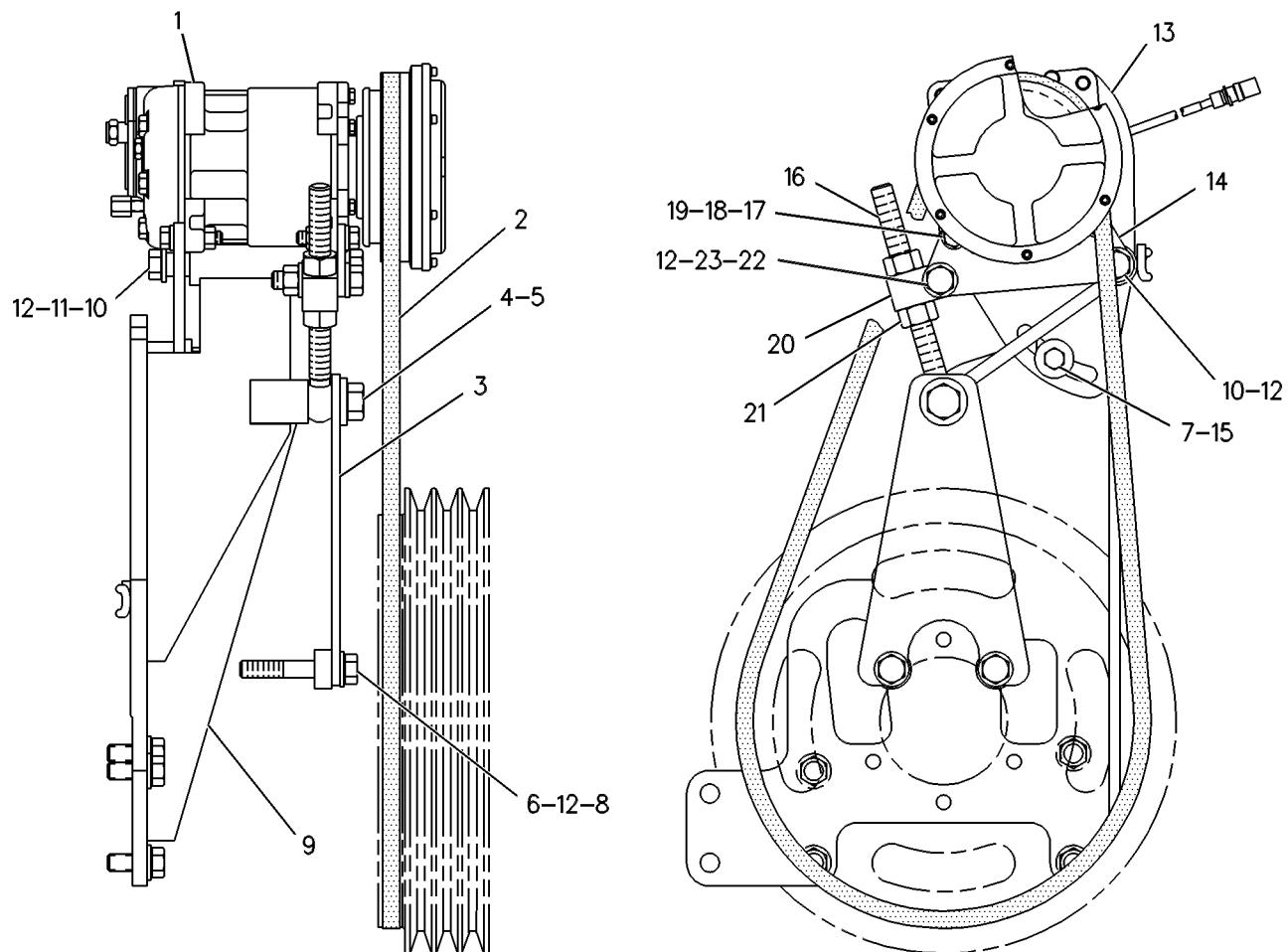
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6 (PRODUCT LEVEL)		
Y	1	1	101-1759	1	COMPRESSOR GP - REFRIGERANT							1006
	2	1	2S-9506	1	V-BELT							
	3	1	110-6937	1	BRACKET							
	4	1	7X-0346	1	BOLT (5/8-11X2IN)							
	5	1	7X-0515	1	WASHER (5MM THK)							
	6	1	8T-9389	2	BOLT (1/2-13X2.75IN)							
	7	1	4L-6454	1	BOLT (3/8-16X1.0IN)							
	8	1	9F-8759	2	SPACER							
	9	1	7C-7589	1	SUPPORT AS-COMPRESSOR							
		1	7T-1099	1	LINK							
	10	1	5P-2566	2	BOLT (1/2-13X1.50IN)							
	11	1	8N-3525	1	SPACER							
	12	1	8T-4223	6	WASHER-HARD (3MM THK)							
	13	1	7C-7594	1	BRACKET							
	14	1	7C-7595	1	BRACKET							
	15	1	8T-2561	1	WASHER (5.0MM THK)							
	16	1	1S-4698	1	ROD							
	17	1	8T-4896	10	WASHER-HARD (2.5MM THK)							
	18	1	4L-9337	5	BOLT (3/8-16X1.50IN)							
	19	1	6V-8801	5	NUT (3/8-16 THD)							
	20	1	8S-5383	1	BLOCK							
	21	1	7X-0448	2	NUT (5/8-11 THD)							
	22	1	5P-2424	1	BOLT (1/2-13X2.25IN)							
	23	1	6V-8188	1	NUT (1/2-13 THD)							

Y - SEPARATE ILLUSTRATION

# OPERATOR STATION

116-6104 COMPRESSOR GP - REFRIGERANT (contd.)

i00570838



GRAPHIC #1

g00249771

# OPERATOR STATION

## 116-6104 COMPRESSOR GP - REFRIGERANT

S/N: 9EM1-UP

PART OF 111-9796, 111-9797, 131-8359 AIR CONDITIONER AR  
AN ATTACHMENT

**SMCS-1802**

**i01650617**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		<b>2S-9506</b>	1	V-BELT (AIR CONDITIONING)	
2	1		<b>7C-7594</b>	1	BRACKET	
3	1		<b>8N-3525</b>	1	SPACER (14.3X17.5X17.5MM THK)	
4	1		<b>8S-5383</b>	1	BLOCK	
5	1		<b>9F-8759</b>	2	SPACER (1/2 IN THK)	
6	1		<b>207-5068</b>	1	SUPPORT AS (FRONT)	
	1		<b>1P-8782</b>	1	BOSS	
	1		<b>8S-7328</b>	1	BOSS	
	1		<b>7T-1099</b>	3	LINK	
7	1		<b>1S-4698</b>	1	ROD	
CY	8	1	<b>3E-1906</b>	1	COMPRESSOR GP - REFRIGERANT	1005
	9	1	<b>4L-6454</b>	1	BOLT (3/8-16X1 IN)	
C	10	1	<b>4L-9337</b>	3	BOLT (3/8-16X1.5 IN)	
	11	1	<b>5P-2424</b>	1	BOLT (1/2-13X2.25 IN)	
	12	1	<b>5P-2566</b>	2	BOLT (1/2-13X1.5 IN)	
	13	1	<b>6V-8188</b>	1	NUT (1/2-13 THD)	
C	14	1	<b>6V-8801</b>	3	NUT (3/8-16 THD)	
	15	1	<b>7C-7595</b>	1	BRACKET	
	16	1	<b>7X-0346</b>	1	BOLT (5/8-11X2 IN)	
	17	1	<b>7X-0448</b>	2	NUT (5/8-11 THD)	
	18	1	<b>7X-0515</b>	1	WASHER-HARD (17X35X5MM THK)	
	19	1	<b>8T-2561</b>	1	WASHER-HARD (10.5X28.5X5MM THK)	
	20	1	<b>8T-4223</b>	6	WASHER-HARD (13.5X25.5X3MM THK)	
	21	1	<b>8T-4896</b>	6	WASHER-HARD (10.2X18.5X2.5MM THK)	
	22	1	<b>8T-9389</b>	2	BOLT (1/2-13X2.75 IN)	
	23	1	<b>110-6937</b>	1	BRACKET	

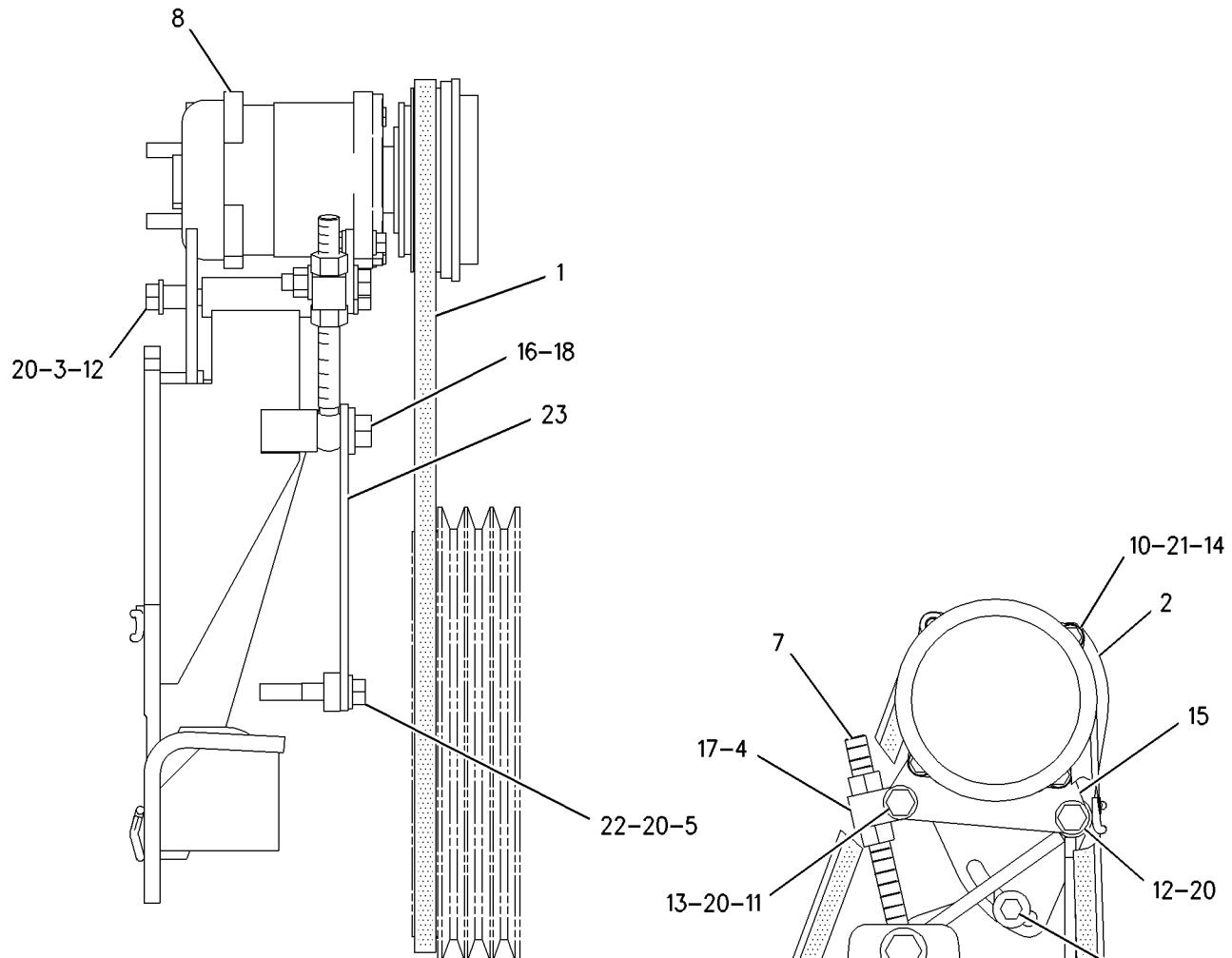
C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION

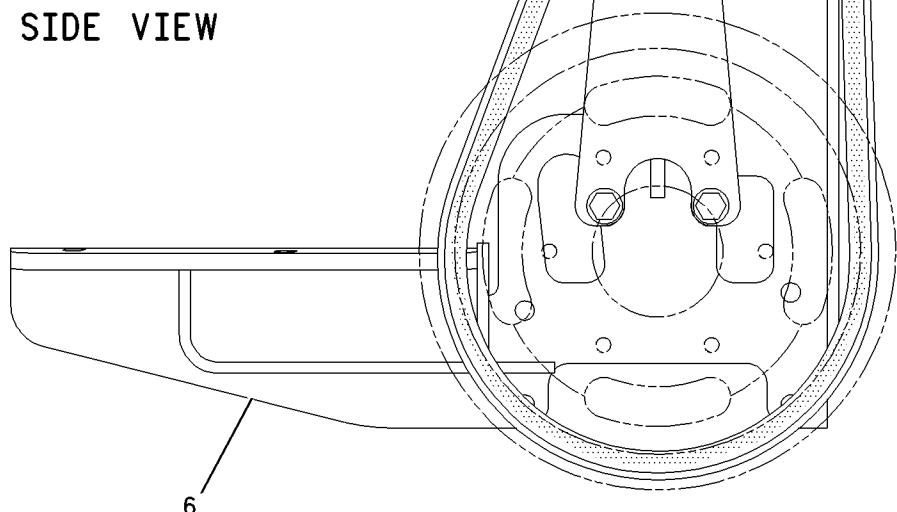
# OPERATOR STATION

116-6104 COMPRESSOR GP - REFRIGERANT (contd.)

i01650617



RIGHT SIDE VIEW



FRONT VIEW

GRAPHIC #1

g00856651

# OPERATOR STATION

## 134-3997 COMPRESSOR GP - REFRIGERANT

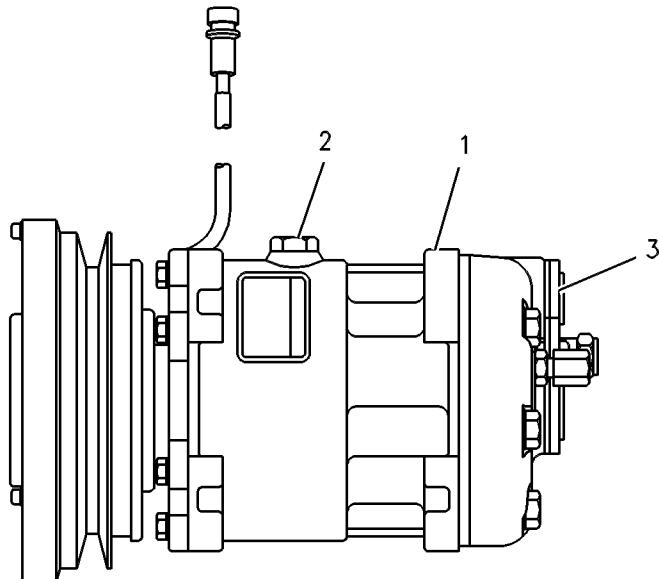
S/N: 9EM1-UP

PART OF 101-1759 COMPRESSOR GP - REFRIGERANT  
AN ATTACHMENT

SMCS-1802

i01093952

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		3E-3658	1	COMPRESSOR AS						
2	1		7T-4532	1	PLUG AS						
3	1		9X-7385	2	SEAL-O-RING (20.22MM ID)						



GRAPHIC #1

g00278844

# OPERATOR STATION

## 131-8357 CONDENSER & MOUNTING GP

S/N: 9EM1-UP

PART OF 131-8359 AIR CONDITIONER AR  
AN ATTACHMENT

**SMCS-1805**

**i01542380**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
	1	3	<b>1P-6356</b>	1	PLATE							
	2	3	<b>1Q-0538</b>	1	FILM-FACE							
I	3	1	<b>1Q-1998</b>	1	HOSE AS							
	4	3	<b>7X-0288</b>	2	BOLT (3/8-16X1.625 IN)							
	5	1	<b>3E-3535</b>	1	RECEIVER-DRYER GP (REFRIGERANT)							
C	6	1,2,3	<b>3S-2093</b>	3	STRAP-CABLE							
C	7	2	<b>3W-3808</b>	1	PLATE AS							
		2	<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)							
	8	1	<b>5P-3948</b>	1	COUPLING AS-REFRIGERANT							
	9	1	<b>6L-1698</b>	1	SPACER (13.87X21.34X12.7MM THK)							
	10	1	<b>7K-3176</b>	1	COUPLING AS							
C	11	3	<b>7N-0900</b>	1	SPACER							
C	12	2	<b>7N-1277</b>	2	BRACKET AS							
					(EACH INCLUDES)							
		2	<b>9F-2978</b>	1	NUT-WELD (3/8-16 THD)							
	13	1,3	<b>7T-9426</b>	2	GROMMET							
	14	2	<b>8C-5682</b>	1	TEE							
	15	2	<b>8D-3932</b>	4	MOUNTING							
C	16	1	<b>8R-3393</b>	1	STRAP							
	17	3	<b>9G-9150</b>	1	CLIP							
	18	1	<b>9V-2500</b>	1	BRACKET AS							
		1	<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)							
		1	<b>8T-5912</b>	1	NUT-WELD (3/8-16 THD)							
	19	1	<b>9X-0358</b>	1	FITTING AS							
C	20	1,2,3	<b>9X-6772</b>	17	STRAP-CABLE							
	21	1	<b>103-6100</b>	3	COUPLER AS-QUICK							
Y	22	1	<b>103-9527</b>	1	CONDENSER GP-REFRIGERANT							1022
	23	1	<b>110-2915</b>	1	HARNESS AS							
	24	1	<b>110-2916</b>	1	HARNESS AS							
I	25	1	<b>110-2969</b>	1	HOSE AS							
	26	3	<b>110-2982</b>	1	WIRE AS							
I	27	1	<b>110-3802</b>	1	HOSE AS							
	28	1	<b>110-4506</b>	1	PLATE							
	29	3	<b>114-5334</b>	1	SWITCH AS-PRESSURE (REFRIGERANT)							
		3	<b>7N-7779</b>	1	SOCKET-CONNECTOR							
		3	<b>7N-7780</b>	1	PIN-CONNECTOR							
		3	<b>7N-9737</b>	1	HOUSING-PLUG							
	30	1	<b>116-6202</b>	2	BOOT							
C	31	1	<b>128-5924</b>	1	CLAMP							
	32	2	<b>134-0165</b>	4	WASHER (13.8X45X3MM THK)							
C	33	1	<b>136-7220</b>	1	BRACKET AS							
		1	<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)							
C	34	1	<b>186-6189</b>	1	ACCUMULATOR-REFRIGERANT							
CI	35	1	<b>156-4677</b>	1	HOSE AS							
CI	36	1	<b>156-4678</b>	1	HOSE AS							
CI	37	1	<b>156-4679</b>	1	HOSE AS							
CI	38	1	<b>160-8640</b>	1	HOSE AS							
	39	3	<b>106-8704</b>	1	SUPPRESSOR AS-ARC							
	40	1	<b>109-1633</b>	1	CLIP (SLOT)							
	41	1	<b>109-1634</b>	1	CLIP (TAB)							
C	42	1	<b>1B-4971</b>	1	SPACER (.4062X1X1 IN THK)							
C	43	1,3	<b>1S-0994</b>	2	CLIP							
	44	3	<b>3D-9799</b>	2	SCREW-MACHINE (8-32X.875IN)							
	45	3	<b>3E-4053</b>	1	FITTING AS-AIR CONDITIONER							
		3	<b>3E-4052</b>	1	CAP-SEAL (AIR CONDITIONER)(HIGH SIDE)							

# OPERATOR STATION

**131-8357 CONDENSER & MOUNTING GP (contd.)**

i01542380

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
	3		3E-4058	1	VALVE AS-AIR CONDITIONER (HIGH SIDE)							
46	3		3E-4054	1	FITTING AS-AIR CONDITIONER							
	3		3E-4051	1	CAP-SEAL (AIR CONDITIONER) (LOW SIDE)							
	3		3E-4057	1	VALVE AS-AIR CONDITIONER (LOW SIDE)							
47	1		4K-8302	2	CLIP							
C	48	1,2	4L-6454	4	BOLT (3/8-16X1 IN)							
C	49	1,2	4P-7428	3	CLIP							
50	2,3		4P-7581	3	CLIP							
51	1		5C-6565	1	BOLT (1/2-13X1.125 IN)							
52	1,2,3		5M-3062	4	BOLT (3/8-16X0.75 IN)							
C	53	1,2,3	5P-1075	7	WASHER-HARD (10.2X22.5X3MM THK)							
	54	1	5P-2566	1	BOLT (1/2-13X1.5 IN)							
C	55	1,2	5P-4116	6	WASHER-HARD (8.8X20.5X2MM THK)							
C	56	1	5P-4295	2	CLIP							
C	57	2	5P-6994	2	CLIP							
BD	58	2	5P-6129		TUBE							
C	59	1	6D-4247	1	CLIP (SLOT)							
C	60	2	6D-4636	2	CLIP							
C	61	3	6T-3643	1	CIRCUIT BREAKER AS (15 AMP)							
		3	6V-8376	2	SCREW-MACHINE (8-32X0.25 IN)							
		3	9B-7233	2	LOCKWASHER							
	62	3	6V-2372	1	ELBOW-BARBED							
	63	3	6V-8801	3	NUT (3/8-16 THD)							
	64	1	7T-8894	1	GROMMET							
	65	1	7T-9793	1	VALVE (CHECK)							
C	66	1	7X-0274	1	BOLT (5/16-18X2.75 IN)							
C	67	3	7X-0290	1	BOLT (3/8-16X3.50 IN)							
C	68	1,3	8T-2502	1	BOLT (3/8-16X1.125 IN)							
C	69	1	8T-2561	2	WASHER-HARD (10.5X28.5X5MM THK)							
M	70	1	8T-4139	4	BOLT (M12X1.75X30MM)							
	71	1	8T-4223	6	WASHER-HARD (13.5X25.5X3MM THK)							
	72	2	8T-4835	4	BOLT (1/2-13X2 IN)							
C	73	1,3	8T-4896	8	WASHER-HARD (10.2X18.5X2.5MM THK)							
M	74	3	8T-6466	1	BOLT (M10X1.50X60MM)							
C	75	1	9M-8406	2	CLIP							
	76	3	9X-7378	1	SEAL-O-RING							
	77	1	9X-7380	5	SEAL-O-RING							
	78	1,3	9X-7381	3	SEAL-O-RING							
	79	3	9X-7382	2	SEAL-O-RING							
	80	1	9X-7383	4	SEAL-O-RING							
	81	3	9X-7385	2	SEAL-O-RING							

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

D-ORDER BY THE METER

I-SEE HOSE FABRICATION GUIDE

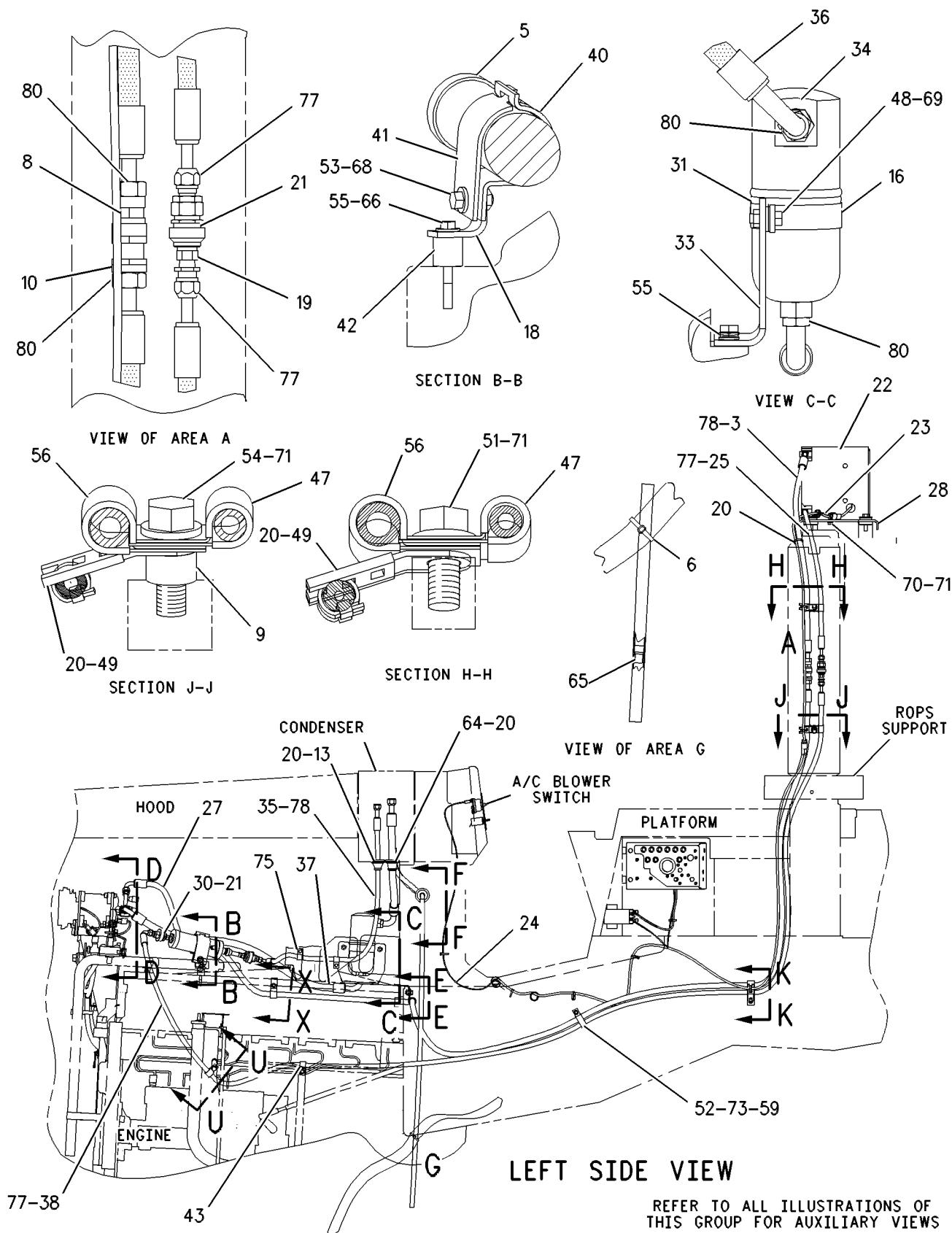
M-METRIC PART

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

131-8357 CONDENSER & MOUNTING GP (contd.)

i01542380



GRAPHIC #1

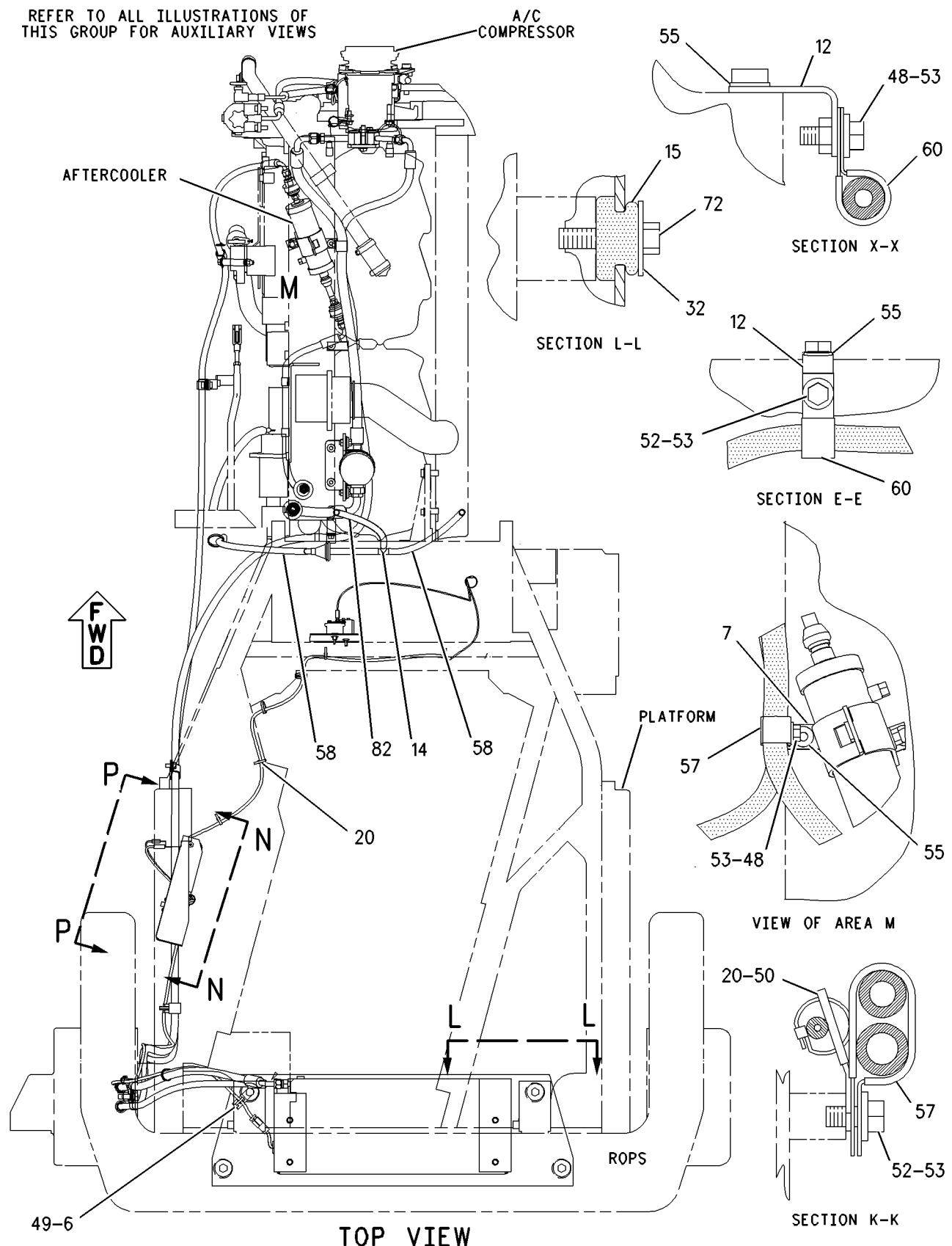
g00547747

# OPERATOR STATION

131-8357 CONDENSER & MOUNTING GP (contd.)

i01542380

REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS



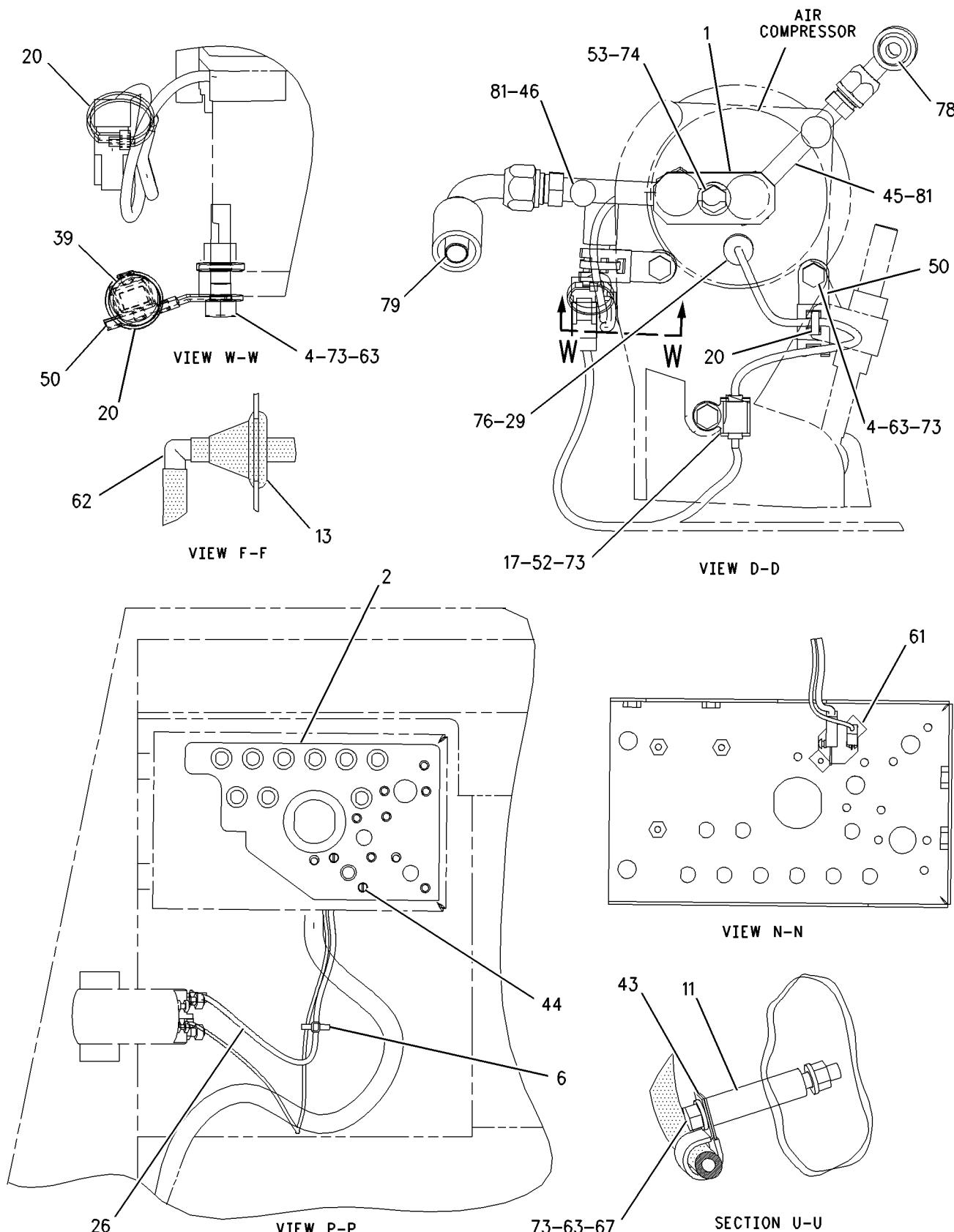
GRAPHIC #2

g00863091

# OPERATOR STATION

131-8357 CONDENSER & MOUNTING GP (contd.)

i01542380



GRAPHIC #3

g00805095

# OPERATOR STATION

## 109-9941 CONDENSER & MTG GP - REFRIGERANT

S/N: 9EM1-UP

PART OF 111-9796 AIR CONDITIONER AR  
AN ATTACHMENT

SMCS-1805

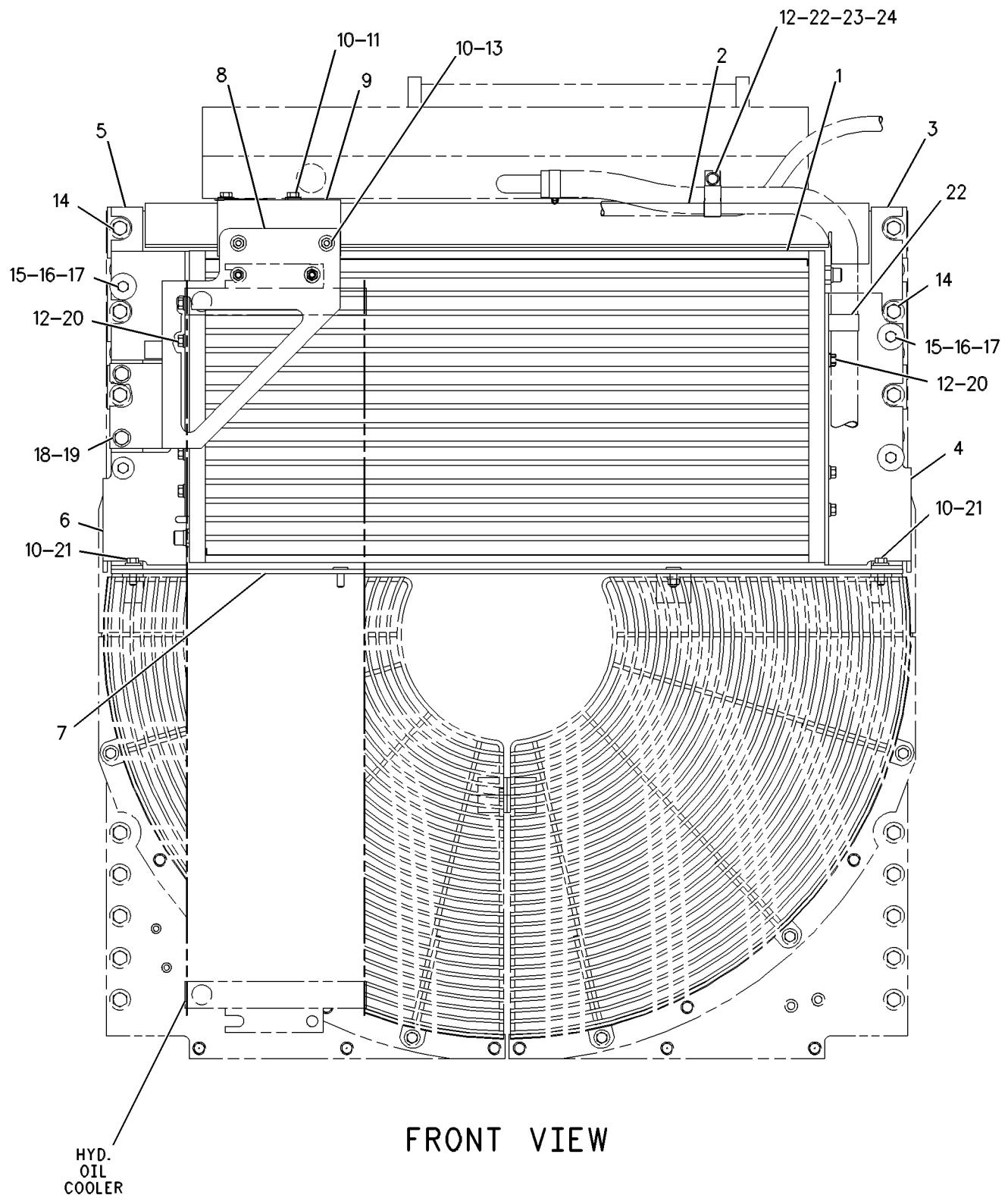
i01026726

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		105-9227	1	CONDENSER							
2	1		112-2625	1	BAFFLE AS							
	1		1F-0750	3	NUT-WELD (3/8-16 THD)							
3	1		110-6891	1	BRACKET AS-RH							
	1		1F-0750	2	NUT-WELD (3/8-16 THD)							
4	1		110-6897	1	BRACKET-RH							
5	1		110-6896	1	BRACKET AS-LH							
	1		1F-0748	2	NUT-WELD (1/2-13 THD)							
	1		1F-0750	4	NUT-WELD (3/8-16 THD)							
6	1		110-6898	1	BRACKET-LH							
7	1		110-6928	1	SUPPORT AS							
	1		7M-7794	2	STUD-WELD							
8	1		108-8717	1	BRACKET AS							
	1		3Y-7829	1	BOSS (3/8-16 THD)							
	1		7M-7794	2	STUD-WELD							
9	1		110-6918	1	SUPPORT AS							
	1		5M-9621	2	STUD-WELD (3/8-16 THD)							
10	1		5P-1075	6	WASHER-HARD (3MM THK)							
11	1		4L-6454	2	BOLT (3/8-16X1.0IN)							
12	1		8T-4896	9	WASHER-HARD (2.5MM THK)							
13	1		6V-8801	2	NUT (3/8-16 THD)							
14	1		8T-4835	6	BOLT (1/2X2.0 IN)							
15	1		4L-9337	4	BOLT (3/8-16X1.5IN)							
16	1		9L-8781	4	WASHER							
17	1		6N-8744	4	MOUNT							
18	1		8T-8917	2	BOLT (1/2-13X1.25IN)							
19	1		8T-4223	2	WASHER-HARD (3MM THK)							
20	1		5M-3062	8	BOLT (3/8-16X.75IN)							
21	1		9B-7237	2	BOLT (3/8-16X1.25IN)							
22	1		7D-7233	2	CLIP (38.1MM ID)							
23	1		7N-1277	1	BRACKET AS							
	1		1F-0750	1	NUT-WELD (3/8-16 THD)							
24	1		5S-7379	1	BOLT (3/8-16X.875IN)							

# OPERATOR STATION

109-9941 CONDENSER & MTG GP - REFRIGERANT (contd.)

i01026726



GRAPHIC #1

g00528832

# OPERATOR STATION

## 103-9527 CONDENSER GP - REFRIGERANT

S/N: 9EM1-UP

PART OF 111-9797 AIR CONDITIONER AR, 131-8357 CONDENSER & MOUNTING GP  
AN ATTACHMENT  
TYPE 1

**SMCS-1805**

**i01065019**

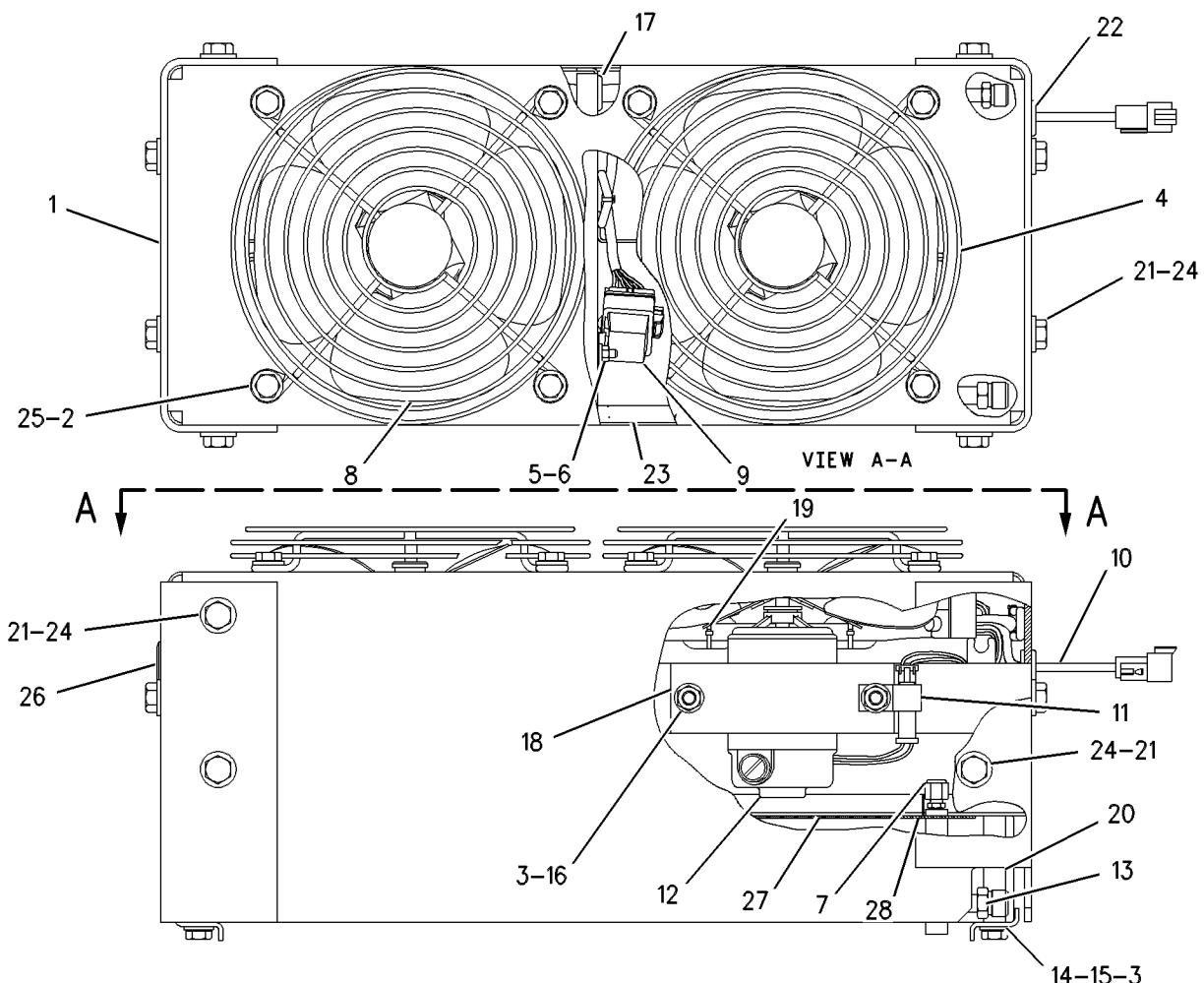
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	<b>9X-3451</b>	1	CASE AS	
M		1	<b>5C-9553</b>	2	BOLT (M6X1.0X16MM)	
M		1	<b>8T-3490</b>	12	NUT-WELD (M10X1.5 THD)	
		1	<b>9G-9151</b>	3	CLIP (10.20MM ID)	
M		1	<b>8T-5413</b>	2	STUD-WELD (M10X1.5X25MM OAL)	
		1	<b>7T-1099</b>	6	LINK	
M		1	<b>8T-3597</b>	12	NUT-WELD (M12X1.75 THD)	
M		1	<b>8T-3994</b>	2	STUD-WELD (M6X1-6G THD)	
M	2	1	<b>8T-4137</b>	8	BOLT (M10X1.50X20MM)	
3	1		<b>8T-4121</b>	8	WASHER (2.5MM THK)	
4	1		<b>9X-3452</b>	2	GUARD AS-FAN	
M	5	1	<b>5C-2890</b>	1	NUT (M6X1.00 THD)	
6	1		<b>8T-4205</b>	1	WASHER-HARD (2MM THK)	
7	1		<b>2L-1224</b>	1	CAP-AIR CONDITIONER VALVE	
8	1		<b>142-8620</b>	2	FAN AS (4 BLADES)	
9	1		<b>3E-5239</b>	1	RELAY AS (24 VOLT)	
10	1		<b>123-8329</b>	1	HARNESS AS	
11	1		<b>6D-4246</b>	2	CLIP (19.05MM ID)	
12	1		<b>106-2721</b>	2	MOTOR AS-CCW	
					(EACH INCLUDES)	
	1		<b>3E-3365</b>	1	WEDGE	
	1		<b>9W-0852</b>	2	PIN-CONNECTOR	
	1		<b>102-8802</b>	1	KIT-RECEPTACLE (2 PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
13	1		<b>9X-3439</b>	1	COIL-CONDENSER	
14	1		<b>127-9083</b>	2	PLATE	
M	15	1	<b>8T-4198</b>	4	BOLT (M10X1.50X100MM)	
M	16	1	<b>8T-4133</b>	4	NUT (M10X1.50 THD)	
17	1		<b>5P-8438</b>	1	GROMMET	
18	1		<b>7T-5868</b>	4	CLAMP AS	
19	1		<b>3S-2093</b>	7	STRAP-CABLE (1.75IN DIA)	
20	1		<b>9X-4292</b>	4	TUBE	
21	1		<b>8T-4223</b>	12	WASHER-HARD (3MM THK)	
22	1		<b>2D-2751</b>	1	GROMMET	
23	1		<b>8C-3756</b>	1	FILM-IDENTIFICATION	
M	24	1	<b>8T-4192</b>	12	BOLT (M12X1.75X25MM)	
25	1		<b>5P-1075</b>	8	WASHER-HARD (3MM THK)	
26	1		<b>6V-5749</b>	1	PLUG-BUTTON	
BD	27	1	<b>5P-5673</b>		SEAL (9.52MM WIDE)	
BD	28	1	<b>5P-5924</b>		SEAL (38.1MM WIDE)	

B-USE AS REQUIRED  
D-ORDER BY THE METER  
M-METRIC PART

# OPERATOR STATION

103-9527 CONDENSER GP - REFRIGERANT (contd.)

i01065019



GRAPHIC #1

g00554532

# OPERATOR STATION

## 103-9527 CONDENSER GP - REFRIGERANT

S/N: 9EM1-UP

PART OF 111-9797 AIR CONDITIONER AR, 131-8357 CONDENSER & MOUNTING GP  
AN ATTACHMENT  
TYPE 2

**SMCS-1805**

**i01446049**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
					2	
					3	
					4	
					5	
					6	(PRODUCT LEVEL)
	1	1	2L-1224	1	CAP-AIR CONDITIONER VALVE (7/16 X 20 THD)	
	2	1	3E-5239	1	RELAY AS (24 VOLT) (CONDENSER BLOWER MOTOR)	
	3	1	3S-2093	7	STRAP-CABLE	
C	4	1	7T-5856	4	CLAMP	
	5	1	8C-3756	1	FILM-IDENTIFICATION (GROUP & SEQUENCE NO.)	
C	6	1	8P-6363	1	PLUG	
	7	1	9X-3439	1	COIL-CONDENSER	
	8	1	9X-3451	1	CASE AS	
M	1	5C-9553	2		BOLT (M6X1X16MM)	
M	1	8T-3490	12		NUT-WELD (M10X1.5 THD)	
	1	9G-9151	3		CLIP	
M	1	8T-5413	2		STUD-WELD (M10X1.5X25MM OAL)	
	1	7T-1099	6		LINK	
M	1	8T-3597	12		NUT-WELD (M12X1.75 THD)	
M	1	8T-3994	2		STUD-WELD (M6X1-6G THD)	
9	1	9X-3452	2		GUARD AS-FAN	
10	1	9X-4292	4		TUBE	
J	11	1	174-1495	2	MOTOR GP-ELECTRIC (EACH INCLUDES)	
	1	3E-3365	1		WEDGE-RECEPTACLE LOCK (2 PIN)	
	1	9W-0852	2		PIN-CONNECTOR	
	1	102-8802	1		KIT-RECEPTACLE (2 PIN) (INCLUDES WEDGE & RECEPTACLE AS)	
12	1	123-8329	1		HARNESS AS-AIR CONDITIONER	
	1	155-2270	1		KIT-CONNECTING PLUG (2 PIN) (INCLUDES PLUG AS & WEDGE)	
	1	102-8803	1		KIT-RECEPTACLE (3 PIN) (INCLUDES RECEPTACLE AS & WEDGE)	
	1	9X-1054	1		PLUG AS-CONNECTOR (4 PIN)	
13	1	127-9083	2		PLATE	
14	1	142-8620	2		FAN AS	
M	15	1	5C-2890	1	NUT (M6X1 THD)	
	16	1	5P-1075	8	WASHER-HARD (10.2X22.5X3MM THK)	
C	17	1	5P-8441	1	GROMMET	
	18	1	6D-4246	2	CLIP	
	19	1	8T-4121	8	WASHER-HARD (11X21X2.5MM THK)	
M	20	1	8T-4133	4	NUT (M10X1.5 THD)	
M	21	1	8T-4137	8	BOLT (M10X1.5X20MM)	
M	22	1	8T-4192	12	BOLT (M12X1.75X25MM)	
M	23	1	8T-4198	4	BOLT (M10X1.5X100MM)	
	24	1	8T-4205	1	WASHER-HARD (7.2X14.5X2MM THK)	
	25	1	8T-4223	12	WASHER-HARD (13.5X25.5X3MM THK)	
C	26	1	9X-7373	1	GROMMET	
BD	27	1	5P-5673		SEAL (9.52MM WIDE)	
BD	28	1	5P-5924		SEAL (38.1MM WIDE)	
BCD	29	1	5P-5908		SEAL	

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

D-ORDER BY THE METER

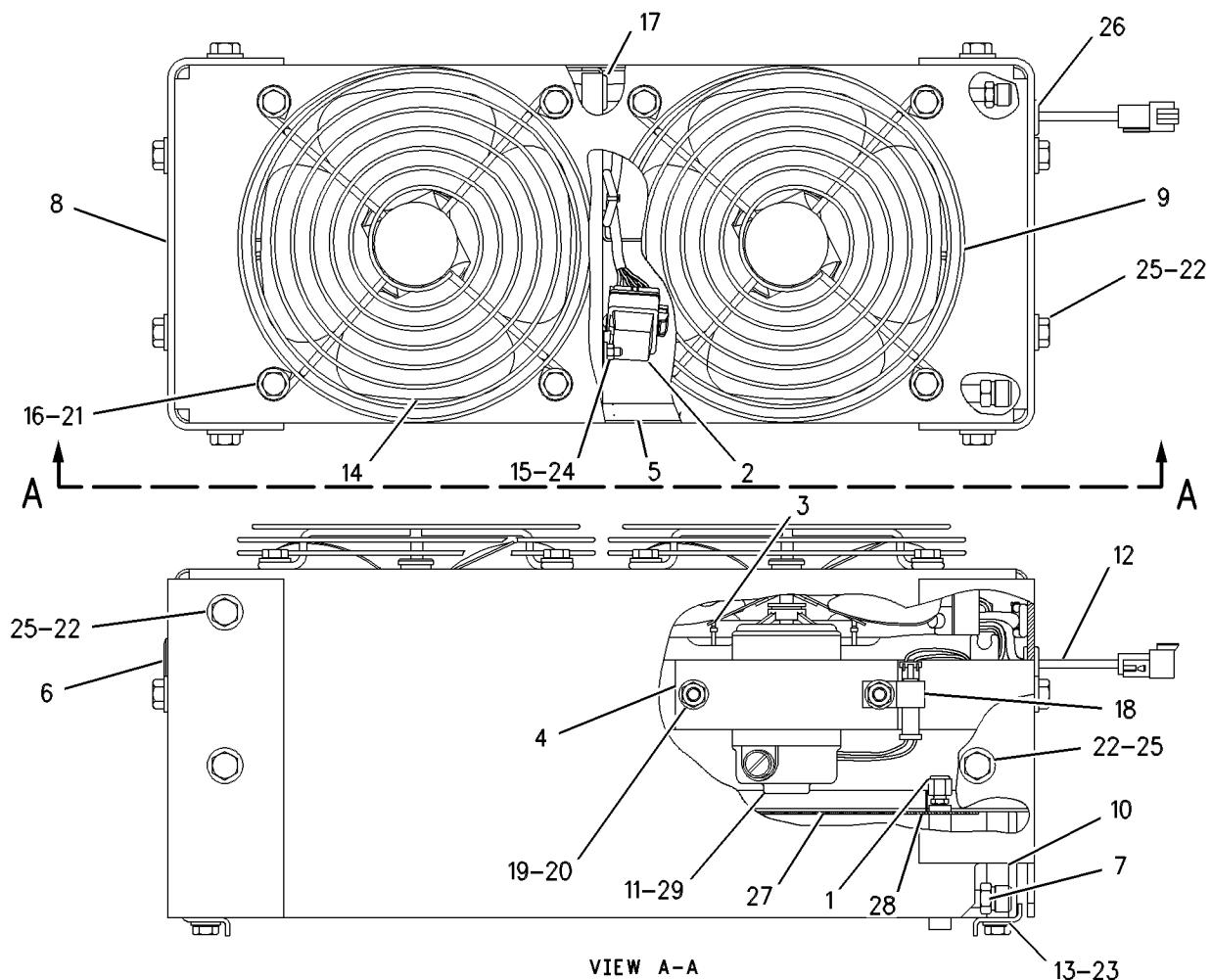
J-REPAIR KIT(S) MARKED J AVAILABLE FOR PART MARKED J

M-METRIC PART

# OPERATOR STATION

103-9527 CONDENSER GP - REFRIGERANT (contd.)

i01446049



GRAPHIC #1

g00566536

# OPERATOR STATION

## 116-4093 CONVERSION AR

S/N: 9EM1-UP

AN ATTACHMENT

SMCS-7300

i00570814

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
	8C-4436	3	BOLT	(1/2-13X1.375IN)					
	8E-5883	1	HANDHOLD AS						
	5P-1076	3	WASHER-HARD	(4MM THK)					

# OPERATOR STATION

## 116-4094 CONVERSION AR

S/N: 9EM1-UP

AN ATTACHMENT

SMCS-7300

i01475107

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
	8C-4436	3	BOLT	(1/2-13X1.375 IN)					
	8E-5883	1	HANDHOLD AS						
	5P-1076	3	WASHER-HARD	(13.5X30X4MM THK)					

# OPERATOR STATION

## 8Y-5874 EXTENSION GP - BACKREST

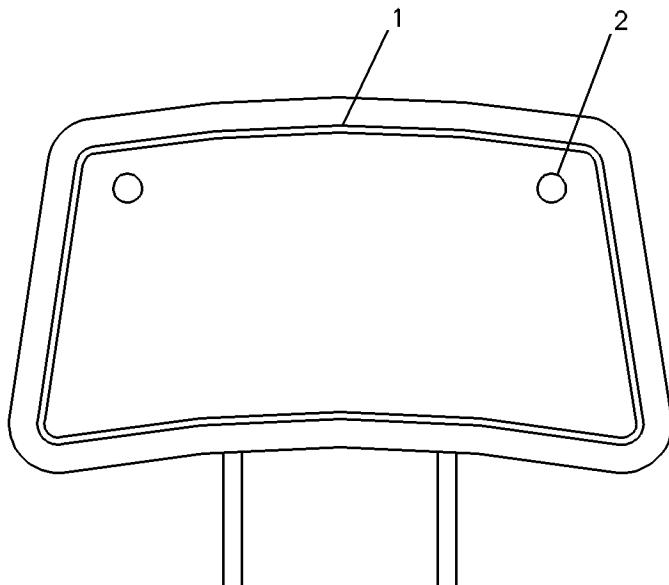
S/N: 9EM1-1253

PART OF 8Y-6138 SEAT GP-SUSPENSION  
AN ATTACHMENT

SMCS-7312

i01321954

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		8Y-5877	1	PAN AS-EXTENSION	
2	1		8Y-5947	2	FASTENER	
AVAILABLE REPAIR KIT(S) :						
			8Y-5943	1	KIT-CUSHION (INCLUDES CUSHION AS AND FASTENERS)	



GRAPHIC #1

g00083230

# OPERATOR STATION

## 8Y-5959 EXTENSION GP - BACKREST

S/N: 9EM1-1048

PART OF 8Y-6179 SEAT GP-SUSPENSION  
ALSO AN ATTACHMENT

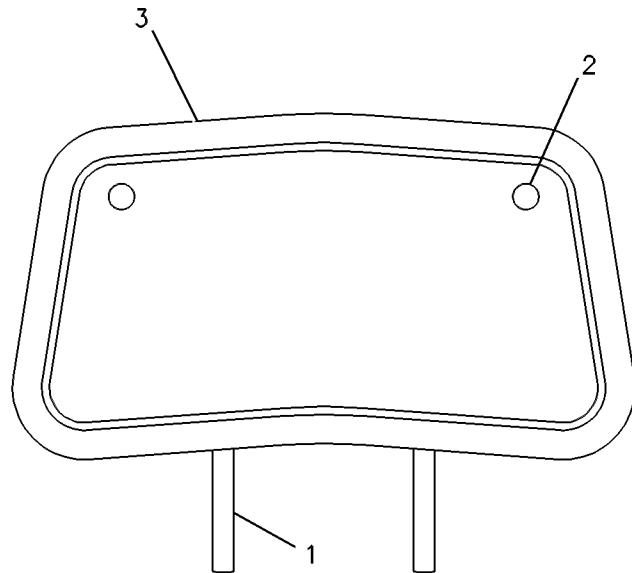
SMCS-7312

i00733739

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	8Y-5877	1	PAN AS-EXTENSION	
J	2	1	8Y-5947	2	FASTENER	
JZ	3	1		1	CUSHION AS	
AVAILABLE REPAIR KIT(S):						
J			8Y-5960	1	KIT-CUSHION	

J-KIT MARKED J INCLUDES PART(S) MARKED J

Z-NOT SERVICED SEPARATELY



GRAPHIC #1

g00326278

# OPERATOR STATION

## 9W-8733 GUARD GP - VANDALISM

S/N: 9EM1-UP

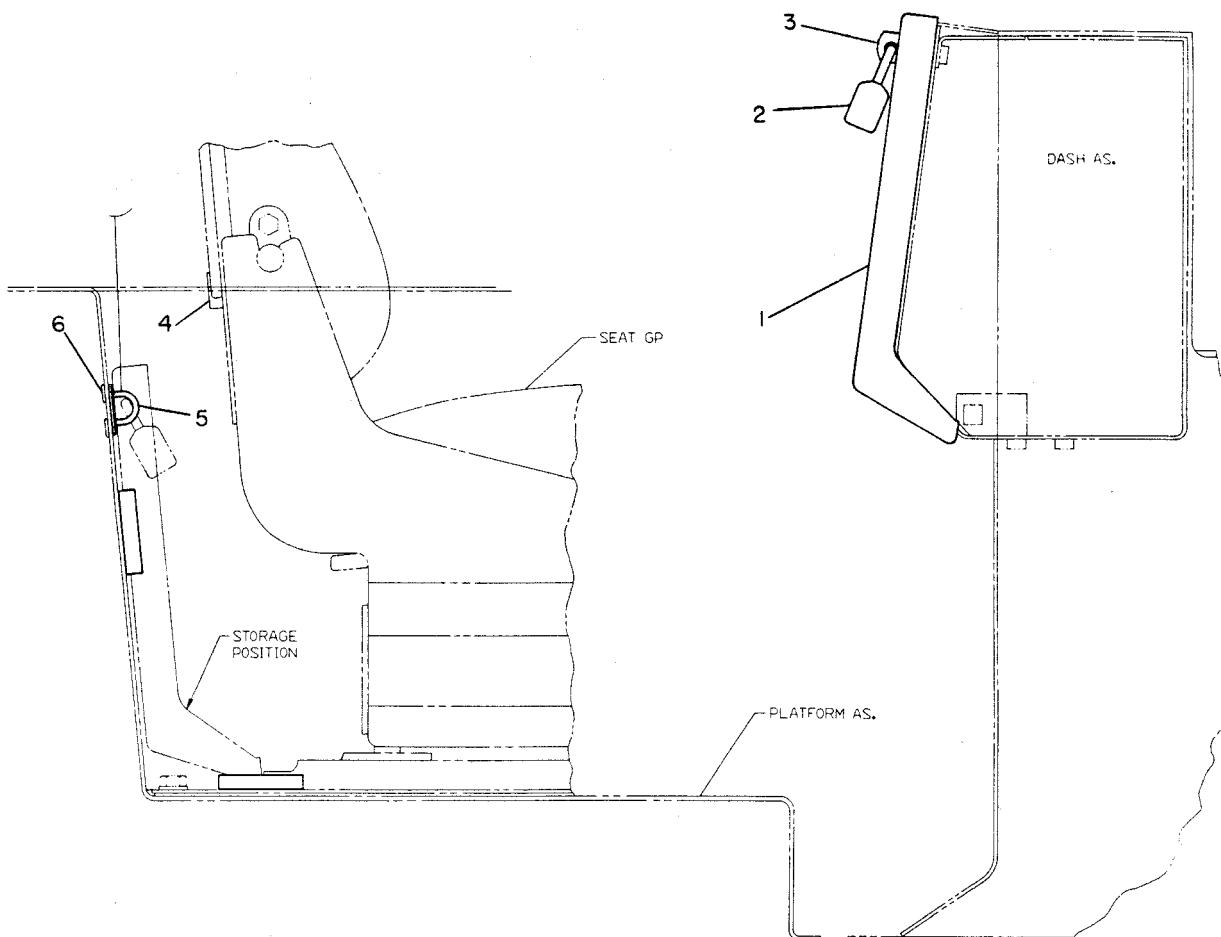
SMCS-7315

i01142748

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		9W-7426	1	COVER	
2	1		5P-8502	1	PADLOCK GP	
A	1		5P-8500	1	KEY	
A	1		8Y-6364	1	SLEEVE	
3	1		7T-2035	1	ANGLE	
E	4	1	5P-5643		SEAL	
5	1		2S-4348	1	STAPLE	
6	1		9M-5732	4	RIVET-POP (4.78MM DIA)	

A-NOT PART OF THIS GROUP

E-ORDER BY THE CENTIMETER



GRAPHIC #1

g00184294

# OPERATOR STATION

## 108-1335 HANDHOLD GP

S/N: 9EM1-UP

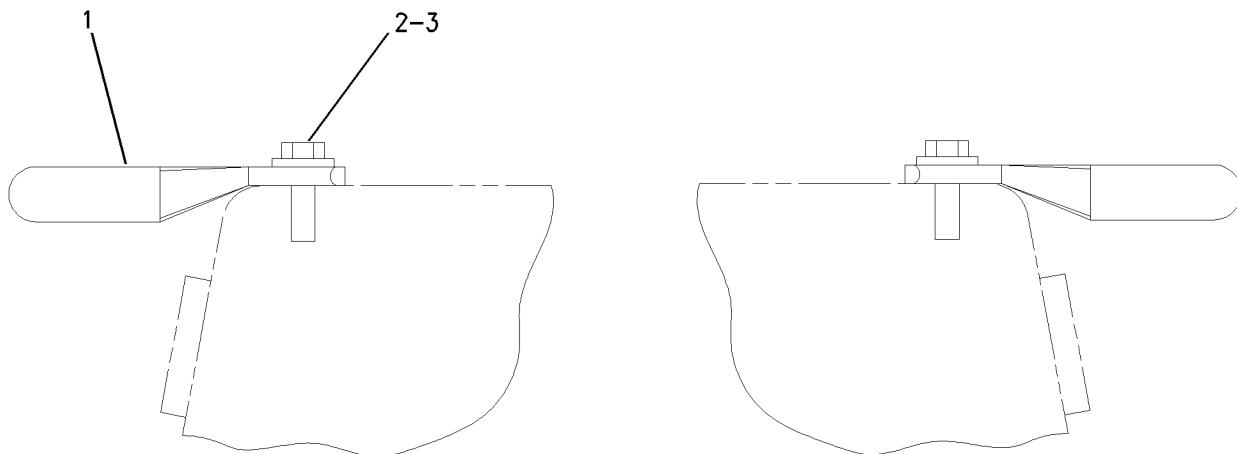
PART OF 198-7761 CAB AR  
AN ATTACHMENT

SMCS-7256

i01395831

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		9W-5343	2	HANDHOLD						
2	1		5P-1076	4	WASHER-HARD (13.5X30X4MM THK)						
M	3	1	8T-4183	4	BOLT (M12X1.75X40 MM)						

M-METRIC PART



REAR VIEW

GRAPHIC #1

g00722600

# OPERATOR STATION

## 7T-8714 HEATER GP-CAB

S/N: 9EM1-UP

PART OF 112-6665, 200-8097 CAB AR  
AN ATTACHMENT

SMCS-7304

i00682698

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		6T-1912	1	CABLE AS-TORSION						
	1		7X-0848	2	NUT-BULKHEAD (3/8-32 THD)						
	1		9F-5644	1	LOCKWASHER (9.93MM ID)						
	1		9L-9596	1	SETSCREW-SOCKET (8-32X.25 IN)						
2	1		2V-0099	1	KNOB						
3	1		7T-8925	1	VALVE-WATER						
4	1		7T-8924	1	BRACKET						
5	1		1D-4717	1	NUT (3/8-16 THD)						
6	1		4B-4274	2	WASHER (1.2MM THK)						
7	1		5S-7349	2	BOLT (1/4-20X0.5IN)						
8	1		8T-4205	2	WASHER-HARD (2MM THK)						
9	1		7T-8931	1	COIL-HEATER						
10	1		6T-5617	1	PLATE						
11	1		5S-7379	2	BOLT (3/8-16X.875IN)						
12	1		5P-1075	5	WASHER-HARD (3MM THK)						
E	13	1	5P-5643		SEAL (40CM)						
BD	14	1	5P-5639		SEAL						
	15	1	7T-6299	1	GROMMET						
	16	1	8C-3227	2	SCREW-MACHINE						
		1	9F-8125	2	LOCKWASHER (#10-EXT.)						
	17	1	5P-8167	2	BOLT (3/8-16X.625IN)						
	18	1	141-4123	1	PLATE						

B-USE AS REQUIRED

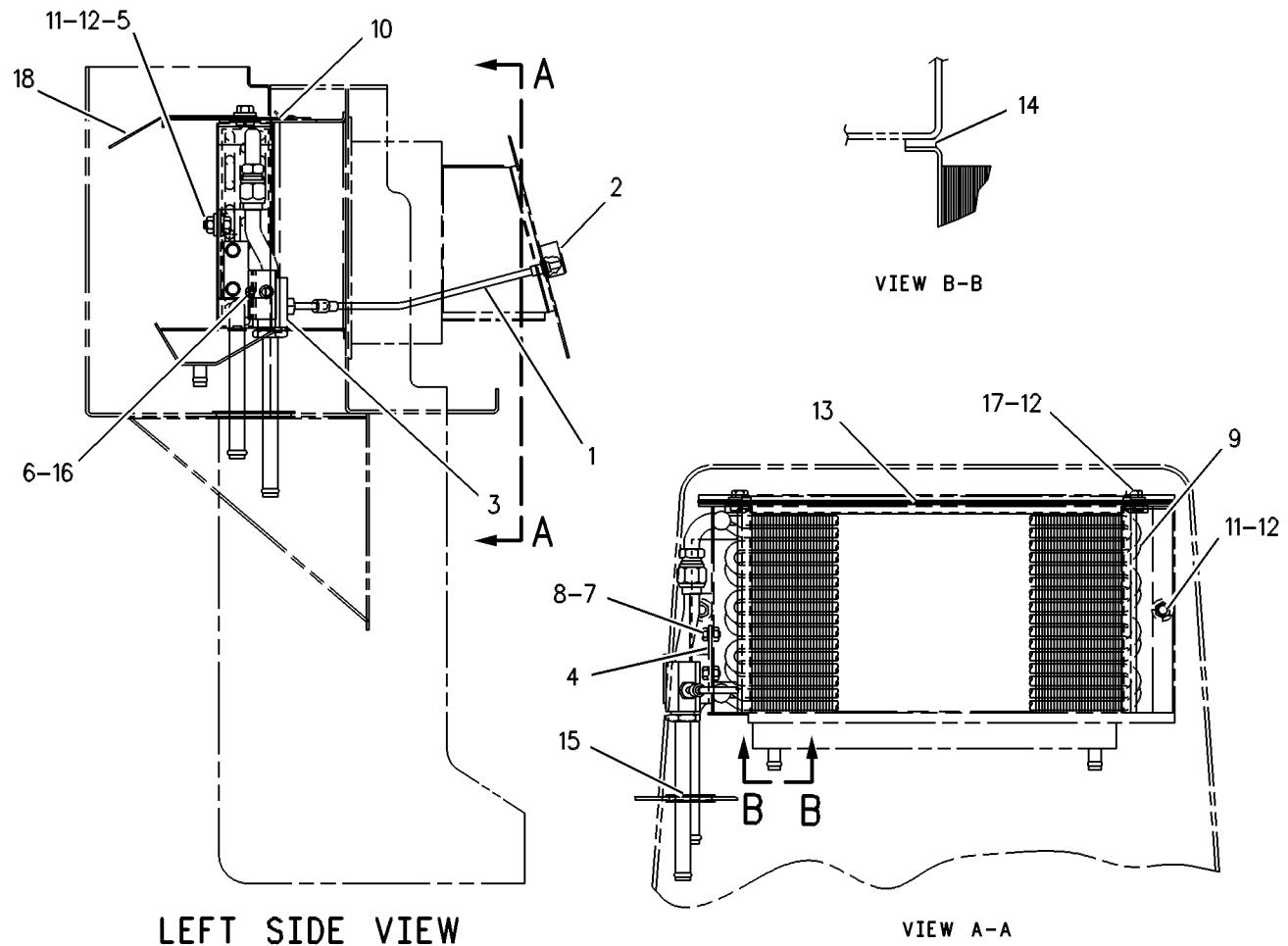
D-ORDER BY THE METER

E-ORDER BY THE CENTIMETER

# OPERATOR STATION

7T-8714 HEATER GP-CAB (contd.)

i00682698



GRAPHIC #1

g00277049

# OPERATOR STATION

## 108-4582 HOUSING GP - SEAT SUSPENSION

S/N: 9EM1-1048

PART OF 108-4082 SUSPENSION GP-SEAT  
ALSO AN ATTACHMENT

SMCS-7321

i01289260

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE				
					1					
					2	3	4	5	6 (PRODUCT LEVEL)	
1	1		161-5967	1	SHAFT					
2	1		8Y-6066	1	SPRING					
3	1		8Y-6069	1	ADJUSTER AS					
4	1		8Y-6068	1	NUT (3/8 X 16 THD)					
5	1		8Y-6029	1	HOUSING AS-UPPER					
6	1		8Y-6047	2	PIN					
7	1		2M-7819	4	RING-RETAINING					
8	1		8Y-6041	1	ARM AS					
9	1		8Y-6045	1	CAM					
10	1		8Y-6046	1	PIN					
11	1		8S-7803	4	RING-RETAINING					
12	1		131-4242	1	BOLT (3/8-16X5.18IN)					
13	1		7M-7219	1	BEARING-THRUST					
14	1		3D-2975	2	RING-RETAINING					
15	1		095-0878	1	PIN-SPRING					
16	1		9X-8918	3	SCREW-FLAT HEAD (8-32X0.50 IN)					
17	1		5P-8445	4	RING-RETAINING					
18	1		4B-5059	6	WASHER (2.5MM THK)					
19	1		8Y-6060	2	ROLLER					
20	1		1Y-7927	1	PIN					
21	1		7V-5191	2	SPACER (7.1MM THK)					
22	1		5D-4822	2	RING-RETAINING					
23	1		8Y-6062	1	LINK-ACTUATOR-RH					
24	1		8Y-6063	1	LINK-ACTUATOR-LH					
25	1		5V-0770	2	BOLT-CARRIAGE					
26	1		8Y-6064	2	ROLLER-SLIDER					
27	1		131-5167	1	KNOB AS-WEIGHT					
	1		4V-7875	1	HANDLE					
	1		6V-3259	1	PIN-SPRING					
	1		149-7226	1	SCREW-PAN HEAD					
28	1		8Y-6067	1	SPACER (10.54 MM THK)					
29	1		8L-8413	2	STRAP-CABLE (1.12IN DIA)					
LZ	30	1		1	KNOB-HEIGHT					
LZ	31	1		1	KNOB-HEIGHT					
JZ	32	1		3	BUMPER					
PZ	33	1		2	BUSHING-GUIDE					
PZ	34	1		2	SPRING					
PZ	35	1		2	ROD					
PZ	36	1		2	SPACER					
QZ	37	1		2	SPRING					
QZ	38	1		2	BUSHING					
SZ	39	1		1	PIN					
SZ	40	1		1	FOLLOWER-CAM					
TZ	41	1		1	GUIDE					
TZ	42	1		1	TAPE-INDICATOR					
UZ	43	1		1	FOLLOWER-CAM					
UZ	44	1		1	PIN					
VZ	45	1		1	ROLLER AS					
VZ	46	1		2	ROLLER AS					
47	1		4N-2927	2	RACE-THRUST BEARING					
48	1		2D-6235	2	LOCKNUT (1/4-20 THD)					
AVAILABLE REPAIR KIT(S) :										
J		100-5179	1	KIT-BUMPER						
L		8Y-5945	1	KIT-SUSPENSION KNOB						

# OPERATOR STATION

## 108-4582 HOUSING GP-SEAT SUSPENSION (*contd.*)

i01289260

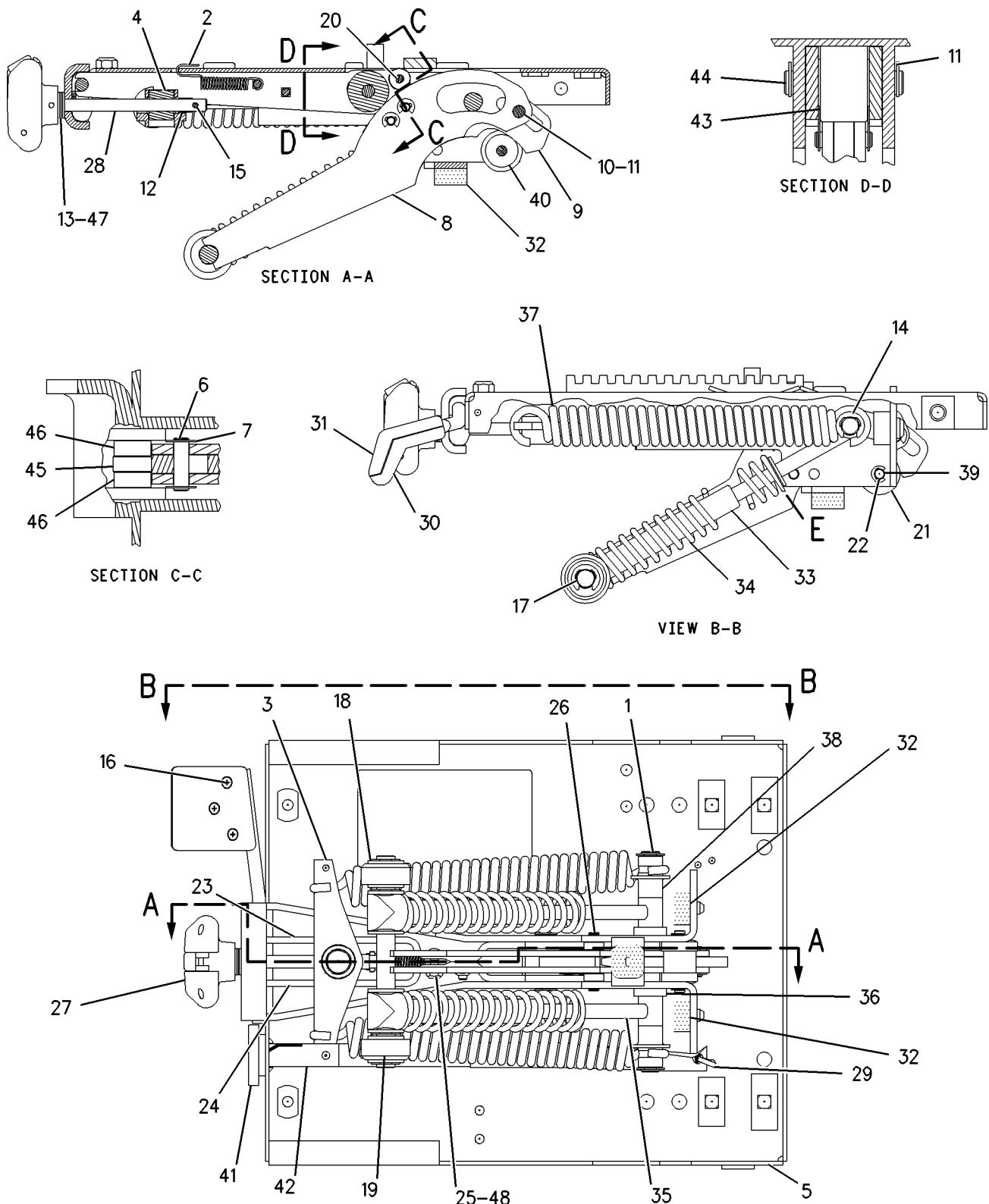
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE
					1 2 3 4 5 6		
P			8Y-6860	1	KIT-SPRING		
Q			8Y-6859	1	KIT-SPRING		
S			108-4086	1	KIT-FOLLOWER		
T			100-3224	1	KIT-INDICATOR		
U			108-4087	1	KIT-FOLLOWER		
V			108-4103	1	KIT-BEARING		

J-KIT MARKED J INCLUDES PART(S) MARKED J  
L-KIT MARKED L INCLUDES PART(S) MARKED L  
P-KIT MARKED P INCLUDES PART(S) MARKED P  
Q-KIT MARKED Q INCLUDES PART(S) MARKED Q  
S-KIT MARKED S INCLUDES PART(S) MARKED S  
T-KIT MARKED T INCLUDES PART(S) MARKED T  
U-KIT MARKED U INCLUDES PART(S) MARKED U  
V-KIT MARKED V INCLUDES PART(S) MARKED V  
Z-NOT SERVICED SEPARATELY

# OPERATOR STATION

108-4582 HOUSING GP-SEAT SUSPENSION (*contd.*)

i01289260



BOTTOM VIEW

GRAPHIC #1

g00683912

# **MEMORANDA**

# OPERATOR STATION

## 174-2231 HOUSING GP-SEAT SUSPENSION

S/N: 9EM1-UP

PART OF 160-7165 SUSPENSION GP-SEAT  
ALSO AN ATTACHMENT

SMCS-7321

i01437505

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
					2	
					3	
					4	
					5	
					6	(PRODUCT LEVEL)
1	1		1Y-7927	1	PIN	
2	1		2D-6235	2	LOCKNUT (1/4-20 THD)	
3	1		2M-7819	4	RING-RETAINING	
4	1		3D-2975	2	RING-RETAINING	
5	1		4B-5059	6	WASHER (2.5MM THK)	
6	1		4N-2927	2	RACE-THRUST BEARING	
7	1		5D-4822	2	RING-RETAINING	
8	1		5P-8445	4	RING-RETAINING	
9	1		5V-0770	2	BOLT-CARRIAGE	
10	1		7M-7219	1	BEARING-THRUST	
11	1		7V-5191	2	SPACER (7.1MM THK)	
12	1		8L-8413	2	STRAP-CABLE	
13	1		8S-7803	4	RING-RETAINING	
14	1		8Y-6041	1	ARM AS	
15	1		8Y-6045	1	CAM	
16	1		8Y-6046	1	PIN	
17	1		8Y-6047	2	PIN	
18	1		8Y-6060	2	ROLLER	
19	1		8Y-6062	1	LINK-ACTUATOR-RH	
20	1		8Y-6063	1	LINK-ACTUATOR-LH	
21	1		8Y-6064	2	ROLLER-SLIDER	
22	1		8Y-6066	1	SPRING	
23	1		8Y-6067	1	SPACER (10.54 MM THK)	
24	1		8Y-6068	1	NUT (3/8 X 16 THD)	
25	1		8Y-6069	1	ADJUSTER AS	
26	1		9X-8918	3	SCREW-FLAT HEAD (8-32X0.50 IN)	
27	1		095-0878	1	PIN-SPRING	
28	1		131-4242	1	BOLT (3/8-16X5.18IN)	
29	1		131-5167	1	KNOB AS-WEIGHT	
30	1		161-5967	1	SHAFT	
31	1		174-2237	1	HOUSING AS-UPPER	
JZ	32	1		1	KNOB-HEIGHT	
JZ	33	1		1	KNOB-HEIGHT	
LZ	34	1		2	SPRING	
LZ	35	1		2	BUSHING	
VZ	36	1		2	SPRING	
VZ	37	1		2	SPACER	
VZ	38	1		2	BUSHING-GUIDE	
VZ	39	1		2	ROD	
PZ	40	1		1	TAPE-INDICATOR	
PZ	41	1		1	GUIDE	
SZ	42	1		1	PIN	
SZ	43	1		1	FOLLOWER-CAM	
TZ	44	1		1	PIN	
TZ	45	1		1	FOLLOWER-CAM	
UZ	46	1		2	ROLLER AS	
UZ	47	1		1	ROLLER AS	
QZ	48	1		3	BUMPER	
AVAILABLE REPAIR KIT(S) :						
J		8Y-5945	1		KIT-SUSPENSION KNOB	
L		8Y-6859	1		KIT-SPRING	
V		8Y-6860	1		KIT-SPRING	
P		100-3224	1		KIT-INDICATOR	
Q		100-5179	1		KIT-BUMPER	

# OPERATOR STATION

174-2231 HOUSING GP-SEAT SUSPENSION (*contd.*)

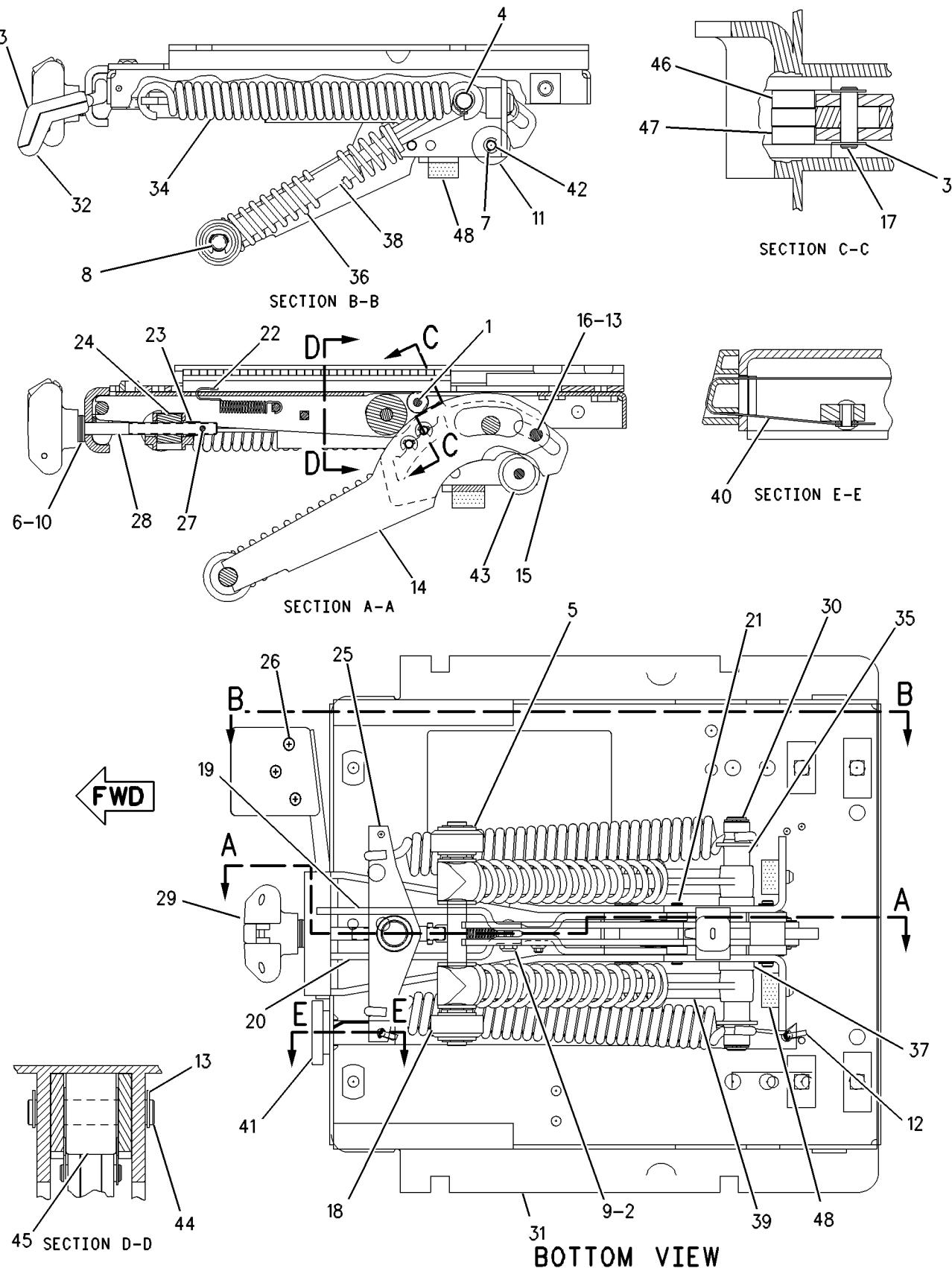
i01437505

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
S			108-4086	1	KIT-FOLLOWER	
T			108-4087	1	KIT-FOLLOWER	
U			108-4103	1	KIT-BEARING	
J-KIT			MARKED J INCLUDES PARTS MARKED J			
L-KIT			MARKED L INCLUDES PARTS MARKED L AND RETAINING RING			
P-KIT			MARKED P INCLUDES PARTS MARKED P AND CABLE STRAP			
Q-KIT			MARKED Q INCLUDES PARTS MARKED Q			
S-KIT			MARKED S INCLUDES PARTS MARKED S			
T-KIT			MARKED T INCLUDES PARTS MARKED T			
U-KIT			MARKED U INCLUDES PARTS MARKED U			
V-KIT			MARKED V INCLUDES PARTS MARKED V			
Z-NOT SERVICED			SEPARATELY			

# OPERATOR STATION

174-2231 HOUSING GP-SEAT SUSPENSION (contd.)

i01437505



GRAPHIC #1

g00608620

# OPERATOR STATION

## 9U-8935 INSTALLATION GP-RADIO

S/N: 9EM1-UP

PART OF 119-6724 CAB AR  
AN ATTACHMENT

SMCS-7338

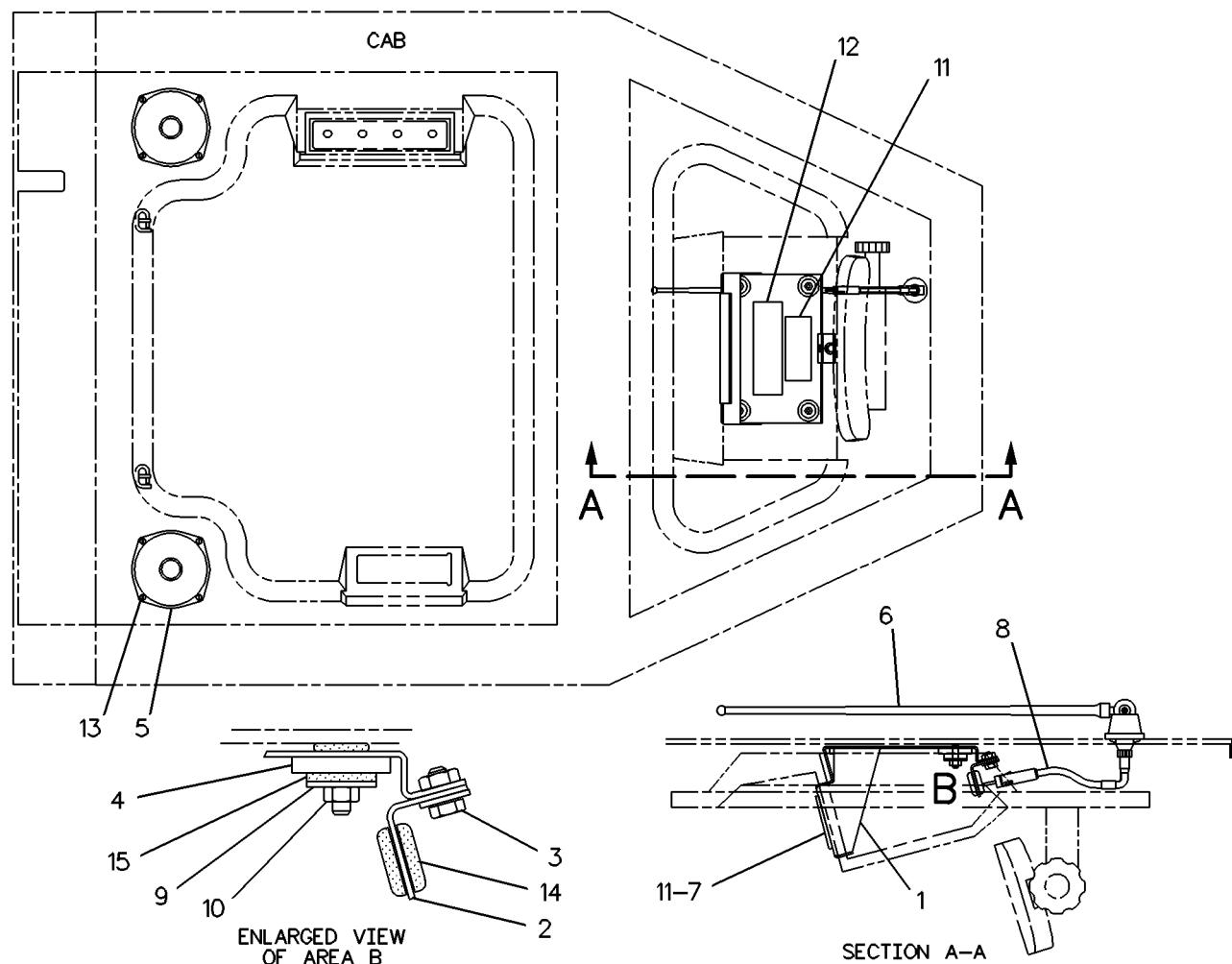
i01065726

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		6Y-7386	1	BRACKET AS						
			1	9V-7451	1		NUT -WELD	(1/4-20 THD)			
2	1		6Y-7385	1	BRACKET						
3	1		5S-7349	1	BOLT (1/4-20X0.5IN)						
			1	5P-4115	1	WASHER					
4	1		3E-4356	4	WASHER-HARD (6MM THK)						
5	1		6T-7695	2	SPEAKER AS -RADIO						
6	1		8E-1118	1	ANTENNA AS						
7	1		9U-8263	1	COVER						
8	1		9U-8746	1	CABLE AS-COAXIAL						
9	1		6V-7646	4	WASHER-HARD (2MM THK)						
10	1		8T-0797	4	LOCKNUT						
11	1		3E-6601	2	FILM-NOTICE						
12	1		9X-8717	1	FILM-NOTICE						
13	1		2N-3480	8	SCREW-MACHINE (10-24X.75IN)						
			1	4B-2047	8	NUT (10-24 THD)					
14	1		8K-1433	1	GROMMET (12.70MM ID)						
15	1		4N-9915	4	GROMMET AS						

# OPERATOR STATION

9U-8935 INSTALLATION GP-RADIO (*contd.*)

i01065726



GRAPHIC #1

g00227923

# OPERATOR STATION

## 105-9657 INSTALLATION GP-RADIO

S/N: 9EM1-UP

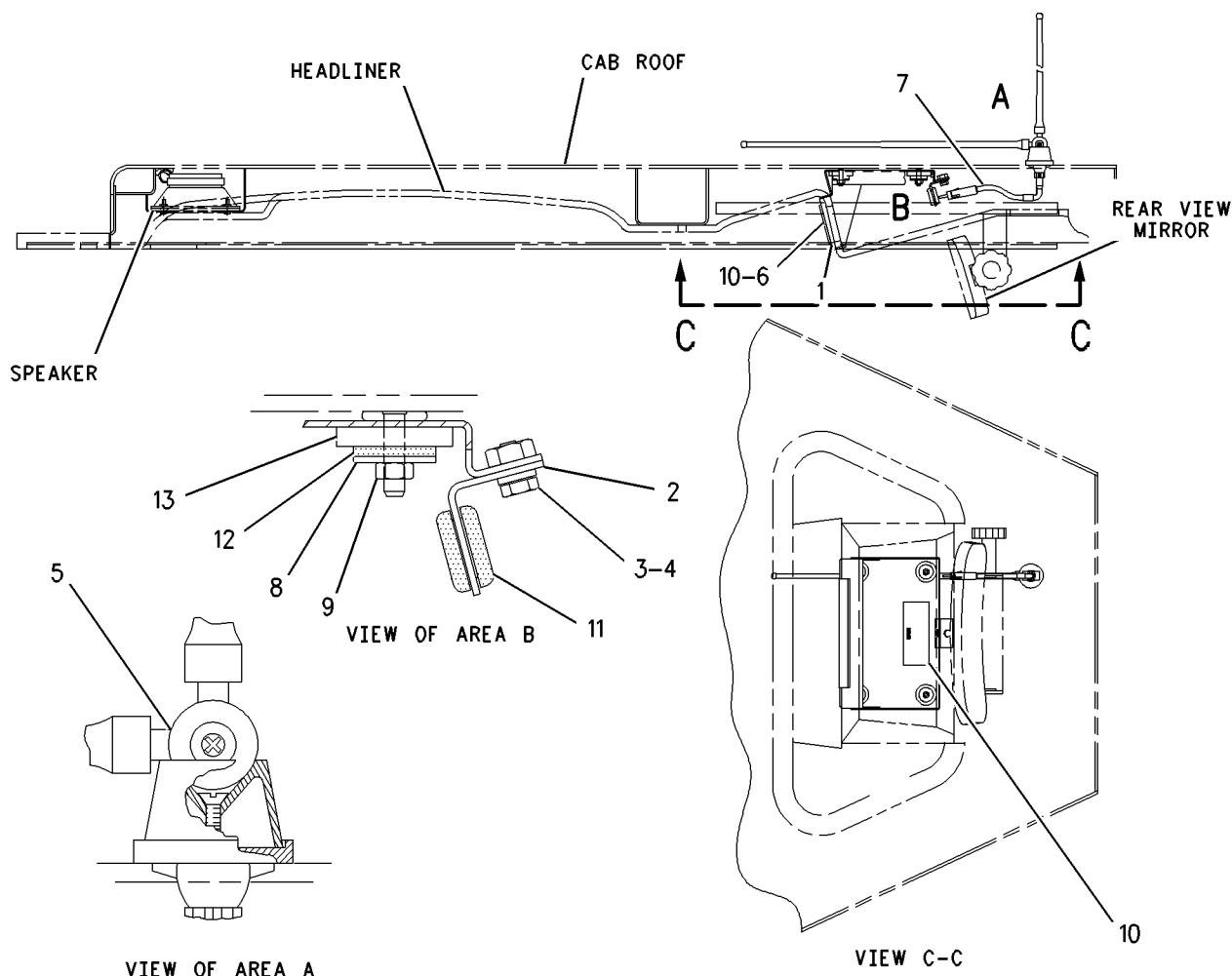
PART OF 198-7761 CAB AR  
AN ATTACHMENT

SMCS-7338

i01448467

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		108-3138	1	BRACKET AS							
2	1		6Y-7385	1	BRACKET							
M	3	1	8T-4171	1	BOLT (M6X1X12MM)							
	4	1	9X-8256	1	WASHER (6.6X12X2MM THK)							
	5	1	8E-1118	1	ANTENNA AS							
	6	1	9U-8263	1	COVER							
	7	1	9U-8746	1	CABLE AS-COAXIAL							
	8	1	6V-7646	4	WASHER-HARD (7.2X25X2MM THK)							
M	9	1	5C-2890	4	NUT (M6X1 THD)							
	10	1	3E-6601	2	FILM-NOTICE (RADIO)							
	11	1	8K-1433	1	GROMMET (12.70MM ID)							
	12	1	4N-9915	4	GROMMET AS							
	13	1	3E-4356	4	WASHER-HARD (6MM THK)							

M-METRIC PART



GRAPHIC #1

g00714009

# OPERATOR STATION

## 8E-5451 INSTRUMENT GP

S/N: 9EM1-UP

SMCS-7450, 7451

i01327659

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE	
					1 2 3 4 5 6 (PRODUCT LEVEL)		
	1	1	3E-3110	1	FILM-DASH (PANEL)		
	2	1	6T-4950	1	DASH AS		
	3	1	171-9816	1	CONTROL GP-EMS ELECTRONIC		
	4	1	9X-2764	1	FILM-FACE (OPERATOR MONITOR)		
Y	5	1	7N-8001	1	SWITCH GP-TOGGLE (SINGLE POLE) (PANEL TEST)	423	
	6	1	3T-0304	1	BASE-INDICATOR LIGHT		
		1	6V-8374	2	SCREW-MACHINE (6-32X.25 IN)		
	7	1	6T-7058	1	LENS-RED		
	8	1	7N-1996	1	LAMP (28 VOLT) (FAULT LIGHT)		
Y	9	1	9G-7641	1	SWITCH GP-START	422	
	10	1	3T-8730	1	COVER AS-PROTECTION		
	11	1	7N-8005	1	SWITCH AS (RUNNING LIGHTS)		
		1	6T-3631	2	NUT-HEX (15/32-32 THD)		
		1	6T-3632	1	LOCKWASHER (12MM ID)		
		1	6T-3633	1	LOCKRING (12.3MM ID)		
		1	6V-8374	4	SCREW-MACHINE (6-32X.25 IN)		
		1	3L-8187	4	LOCKWASHER (NO.6-INT) (3.7MM ID)		
	12	1	7N-9967	2	LAMP (28 VOLT)		
	13	1	5M-3062	9	BOLT (3/8-16X.75 IN)		
	14	1	5P-1075	9	WASHER-HARD (3MM THK)		
	15	1	4W-1129	1	GAUGE GP-HYDRAULIC OIL TEMP		
		1	3L-8187	3	LOCKWASHER (NO.6-INT)		
		1	4B-2043	2	NUT (8-32 THD)		
		1	4B-5324	3	WASHER (1.2MM THK)		
		1	6V-8368	3	NUT (6-32 THD)		
		1	9B-7233	2	LOCKWASHER (NO.8)		
A	1	6V-3507	1		SEAL-RECTANGULAR (49.5MM ID)		
	16	1	7G-9730	2	LAMP AS (DASH PANEL)		
					(EACH INCLUDES)		
		1	6V-8382	1	NUT-HEX (11/16-27 THD)		
		1	6V-8367	1	LOCKWASHER (1.17 MM THK)		
17	1	4W-0483	1		GAUGE GP-COOLANT TEMPERATURE		
		1	3L-8187	3	LOCKWASHER (NO.6-INT) (3.7MM ID)		
		1	4B-5324	3	WASHER (1.2MM THK)		
		1	6V-8368	3	NUT (6-32 THD)		
		1	6V-8377	2	NUT (8-32 THD)		
		1	9B-7233	2	LOCKWASHER (NO.8)		
A	1	6V-3507	1		SEAL-RECTANGULAR (49.5MM ID)		
	18	1	4W-0485	1	GAUGE GP-TORQUE CONV OIL TEMP		
		1	3L-8187	3	LOCKWASHER (NO.6-INT) (3.7MM ID)		
		1	4B-2043	2	NUT (8-32 THD)		
		1	4B-5324	3	WASHER (1.2MM THK)		
		1	6V-8368	3	NUT (6-32 THD)		
		1	9B-7233	2	LOCKWASHER (NO.8)		
A	1	6V-3507	1		SEAL-RECTANGULAR (49.5MM ID)		
	19	1	9X-3496	1	GAUGE GP-FUEL LEVEL		
		1	3L-8187	3	LOCKWASHER (NO.6-INT) (3.7MM ID)		
		1	4B-5324	3	WASHER (1.2MM THK)		
		1	6V-8368	3	NUT (6-32 THD)		
		1	4B-2043	2	NUT (8-32 THD)		
		1	9B-7233	2	LOCKWASHER (NO.8)		
A	1	6V-3507	1		SEAL-RECTANGULAR (49.5MM ID)		
	20	1	3T-3453	1	SWITCH AS (STARTING AID)		
		1	9X-0199	1	BOOT-SWITCH		
		1	6V-8370	1	NUT-HEX (3/4-32 THD)		
		1	2H-3922	1	LOCKWASHER (19.9X31.3X1.3MM THK) (3/4 INTERNAL TOOTH)		

# OPERATOR STATION

**8E-5451 INSTRUMENT GP (contd.)**

i01327659

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)						SEE PAGE
						1	2	3	4	5	6	
	1		<b>6V-8363</b>	2	SCREW (10-32X.312 IN)							
	1		<b>8F-1434</b>	2	LOCKWASHER (0.51MM THK)							
21	1		<b>5L-7200</b>	1	SCREW (8-32X.375 IN)							
	1		<b>3B-4501</b>	1	LOCKWASHER (NO.8)							
	1		<b>7T-9517</b>	1	KNOB							
22	1		<b>7D-6922</b>	2	LOCKNUT (6-32 THD)							
	1		<b>6V-8927</b>	2	BOLT-SOCKET HEAD (6-32X.50IN)							
23	1		<b>8E-7995</b>	1	PLATE AS							
	1		<b>9F-2978</b>	3	NUT-WELD (3/8-16 THD)							
24	1		<b>116-8660</b>	1	KIT-SERVICE METER (INCLUDES METER, FILM, 2 BOLTS & 2 LOCKNUTS)							
25	2		<b>7T-4617</b>	2	BRACKET							
26	2		<b>6V-8185</b>	4	NUT (1/4-20 THD)							
27	2		<b>3S-2093</b>	1	STRAP-CABLE							
C	28	2	<b>127-5121</b>	1	HARNESS AS							
29	2		<b>3T-0050</b>	1	CLIP							
30	2		<b>8T-4205</b>	4	WASHER-HARD (2MM THK)							
31	2		<b>9G-2265</b>	2	CLIP (CONNECTOR)							
32	2		<b>7X-2058</b>	4	LAMP (28 VOLT)							
Y	33	2	<b>100-5052</b>	1	CONTROL GP-ELECTRONIC FILTER (SERVICE METER) (HOUR METER FILTER)							360
34	2		<b>6I-8609</b>	1	WIRE AS							
35	2		<b>9G-3658</b>	1	CLIP (CONNECTOR)							
36	2		<b>6I-8611</b>	1	HARNESS AS							
37	2		<b>8M-2772</b>	1	CLIP							

A-NOT PART OF THIS GROUP

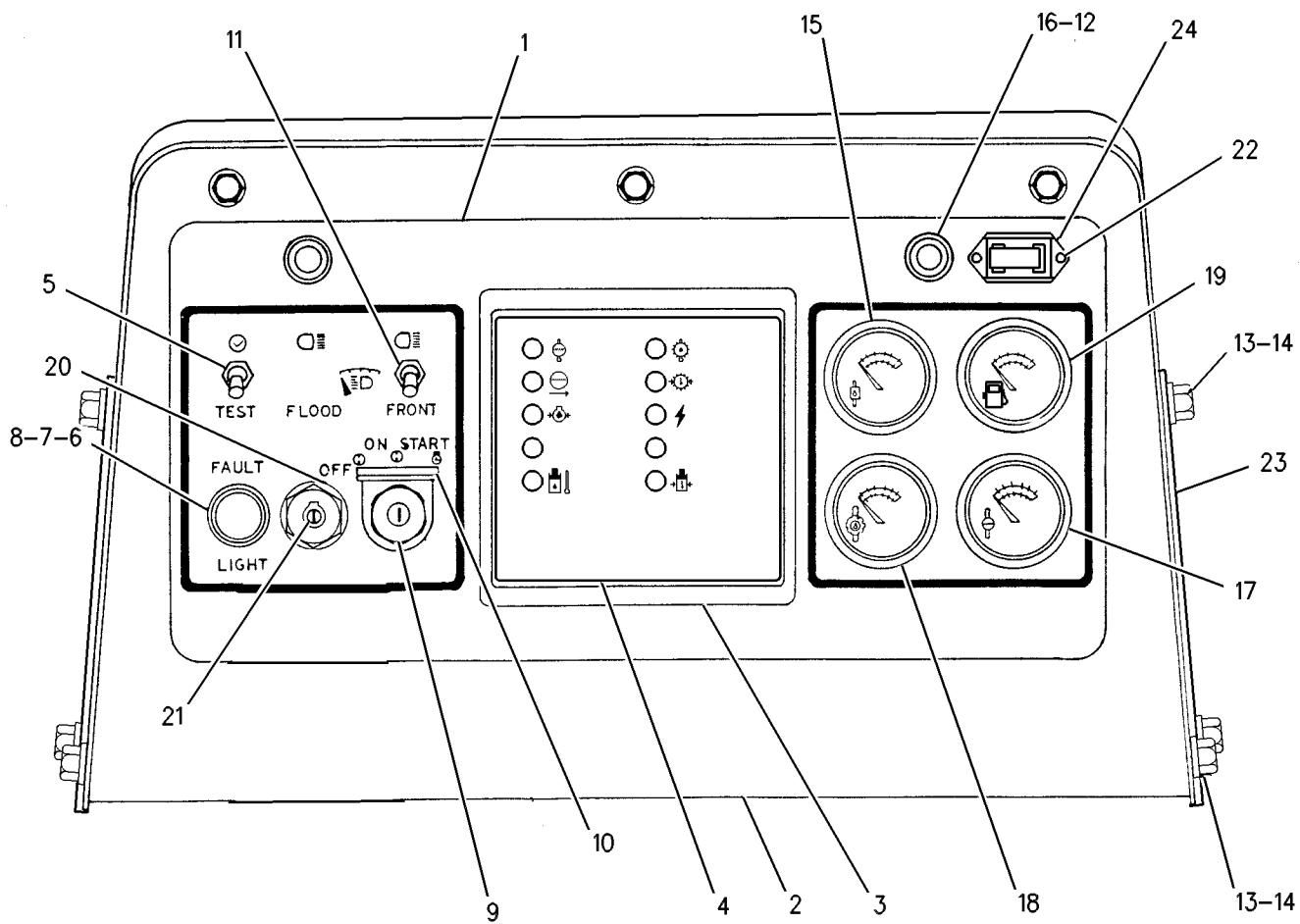
C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

8E-5451 INSTRUMENT GP (contd.)

i01327659



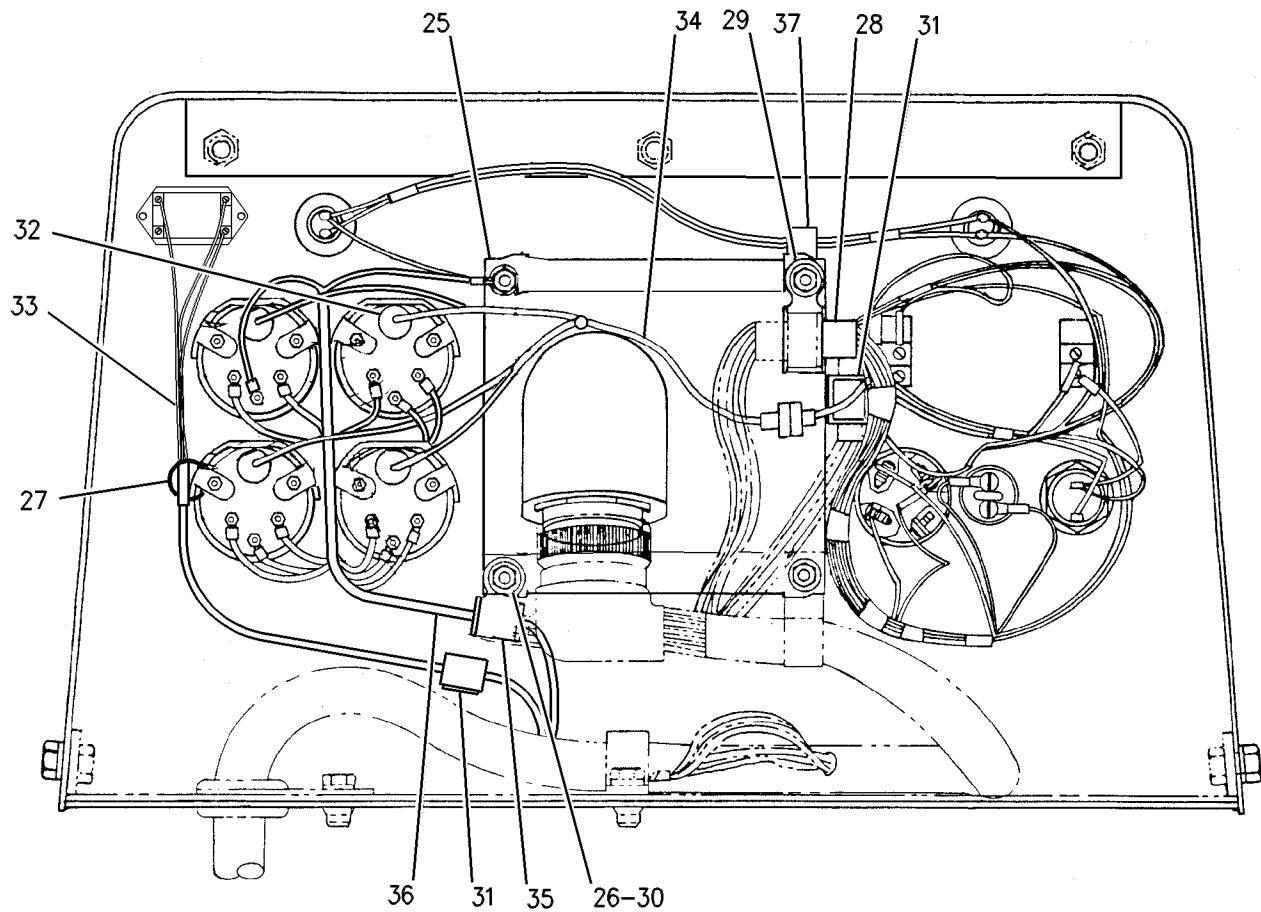
GRAPHIC #1

g00608309

# OPERATOR STATION

8E-5451 INSTRUMENT GP (*contd.*)

i01327659



GRAPHIC #2

g00611844

# OPERATOR STATION

## 8E - 5452 INSTRUMENT GP

S/N: 9EM1-UP

PART OF 112-6665, 200-8097 CAB AR  
AN ATTACHMENT

**SMCS-7450, 7451**

**i01327661**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
	1	1	3E-3111	1	FILM-DASH (PANEL)							
	2	1	3W-0235	1	PANEL AS							
		1	9F-6445	8	NUT-WELD (1/4-20 THD)							
Y	3	1	9G-7641	1	SWITCH GP-START							422
	4	1	3T-0304	1	BASE-INDICATOR LIGHT							
	5	1	6T-7058	1	LENS-RED							
	6	1	7N-1996	1	LAMP (28 VOLT) (FAULT LIGHT)							
Y	7	1	7N-8001	1	SWITCH GP-TOGGLE (SINGLE POLE) (PANEL TEST)							423
	8	1	7N-8005	1	SWITCH AS (RUNNING LIGHTS)							
		1	6T-3631	2	NUT-HEX (15/32-32 THD)							
		1	6T-3632	1	LOCKWASHER (12MM ID)							
		1	6T-3633	1	LOCKRING (12.3MM ID)							
		1	6V-8374	2	SCREW-MACHINE (6-32X.25 IN)							
		1	3L-8187	2	LOCKWASHER (NO.6-INT) (3.7MM ID)							
9	1		7N-9967	2	LAMP (28 VOLT)							
10	1		7G-9730	2	LAMP AS (DASH PANEL)							
					(EACH INCLUDES)							
		1	6V-8382	1	NUT-HEX (11/16-27 THD)							
		1	6V-8367	1	LOCKWASHER (1.17 MM THK)							
11	1		4W-1129	1	GAUGE GP-HYDRAULIC OIL TEMP							
		1	3L-8187	3	LOCKWASHER (NO.6-INT) (3.7MM ID)							
		1	4B-2043	2	NUT (8-32 THD)							
		1	4B-5324	3	WASHER (1.2MM THK)							
		1	6V-8368	3	NUT (6-32 THD)							
		1	9B-7233	2	LOCKWASHER (NO.8)							
A	1		6V-3507	1	SEAL-RECTANGULAR (49.5MM ID)							
12	1		5M-3062	8	BOLT (3/8-16X.75 IN)							
	1		5P-1075	8	WASHER-HARD (3MM THK)							
13	1		6V-8927	2	BOLT-SOCKET HEAD (6-32X.50IN)							
	1		7D-6922	2	LOCKNUT (6-32 THD)							
14	1		6I-9277	1	PANEL AS							
BD	1		5P-5969		SEAL							
15	1		4W-0483	1	GAUGE GP-COOLANT TEMPERATURE							
	1		3L-8187	3	LOCKWASHER (NO.6-INT) (3.7MM ID)							
	1		4B-5324	3	WASHER (1.2MM THK)							
	1		6V-8368	3	NUT (6-32 THD)							
	1		6V-8377	2	NUT (8-32 THD)							
	1		9B-7233	2	LOCKWASHER (NO.8)							
A	1		6V-3507	1	SEAL-RECTANGULAR (49.5MM ID)							
16	1		4W-0485	1	GAUGE GP-TORQUE CONV OIL TEMP							
	1		3L-8187	3	LOCKWASHER (NO.6-INT) (3.7MM ID)							
	1		4B-2043	2	NUT (8-32 THD)							
	1		4B-5324	3	WASHER (1.2MM THK)							
	1		6V-8368	3	NUT (6-32 THD)							
	1		9B-7233	2	LOCKWASHER (NO.8)							
A	1		6V-3507	1	SEAL-RECTANGULAR (49.5MM ID)							
17	1		9X-2764	1	FILM-FACE (OPERATOR MONITOR)							
18	1		171-9816	1	CONTROL GP-EMS ELECTRONIC							
19	1		3T-3453	1	SWITCH AS (STARTING AID)							
	1		7T-9517	1	KNOB							
	1		6V-8370	1	NUT-HEX (3/4-32 THD)							
	1		2H-3922	1	LOCKWASHER (19.9X31.3X1.3MM THK) (LARGE)							
	1		6V-8363	2	SCREW (10-32X.312 IN) (TERMINAL)							
	1		8F-1434	2	LOCKWASHER (0.51MM THK) (TERMINAL)							
20	1		5L-7200	1	SCREW (8-32X.375 IN)							

# OPERATOR STATION

**8E-5452 INSTRUMENT GP (contd.)**

i01327661

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)						SEE PAGE
						1	2	3	4	5	6	
	1		3B-4501	1	LOCKWASHER (NO.8)							
	1		9X-0199	1	BOOT-SWITCH							
21	1		9X-3496	1	GAUGE GP-FUEL LEVEL							
	1		3L-8187	3	LOCKWASHER (NO.6-INT) (3.7MM ID)							
	1		4B-2043	2	NUT (8-32 THD)							
	1		4B-5324	3	WASHER (1.2MM THK)							
	1		6V-8368	3	NUT (6-32 THD)							
	1		9B-7233	2	LOCKWASHER (NO.8)							
A	1		6V-3507	1	SEAL-RECTANGULAR (49.5MM ID)							
22	1		116-8660	1	KIT-SERVICE METER (INCLUDES METER, FILM, 2 BOLTS & 2 LOCKNUTS)							
23	2		7X-2058	4	LAMP (28 VOLT)							
Y	24	2	100-5052	1	CONTROL GP-ELECTRONIC FILTER (SERVICE METER)							360
					(HOUR METER FILTER)							
25	2		6V-8185	6	NUT (1/4-20 THD)							
26	2		8T-4205	5	WASHER-HARD (2MM THK)							
C	27	2	127-5121	1	HARNESS AS							
28	2		3T-0050	1	CLIP							
29	2		9G-2265	2	CLIP (CONNECTOR)							
30	2		1S-1150	2	SPACER (4.83MM THK)							
31	2		5P-4115	2	WASHER (2MM THK)							
32	2		8V-7162	1	CABLE							
33	2		4M-5281	1	BOLT (1/4-20X.750 IN)							
34	2		6I-8611	1	HARNESS AS							
35	2		7T-4617	2	BRACKET							
36	2		6I-8609	1	WIRE AS							
37	2		9G-3658	1	CLIP (CONNECTOR)							
38	2		6V-3884	8	SCREW-HEX SOCKET (1/4-20X0.5 IN)							
39	2		3S-2093	1	STRAP-CABLE							

A-NOT PART OF THIS GROUP

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

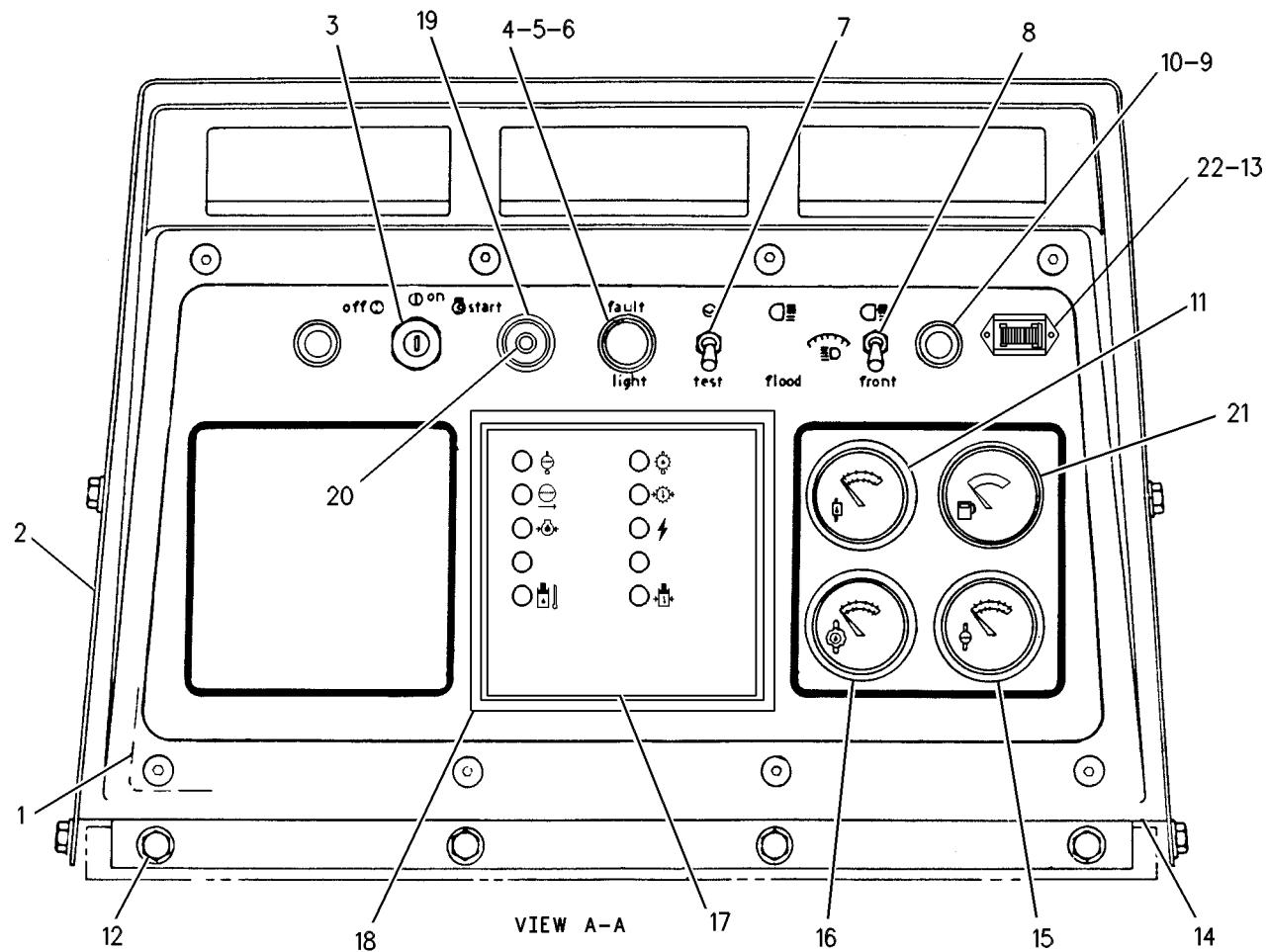
D-ORDER BY THE METER

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

8E-5452 INSTRUMENT GP (*contd.*)

i01327661



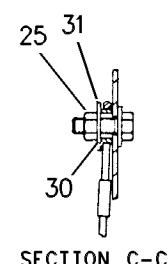
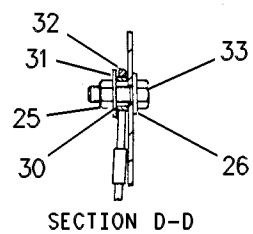
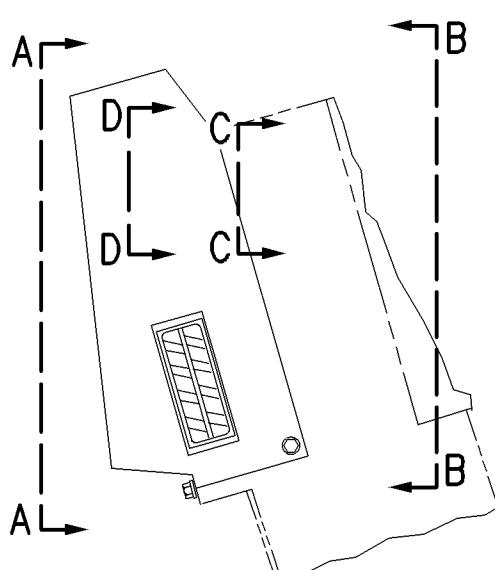
GRAPHIC #1

g00398122

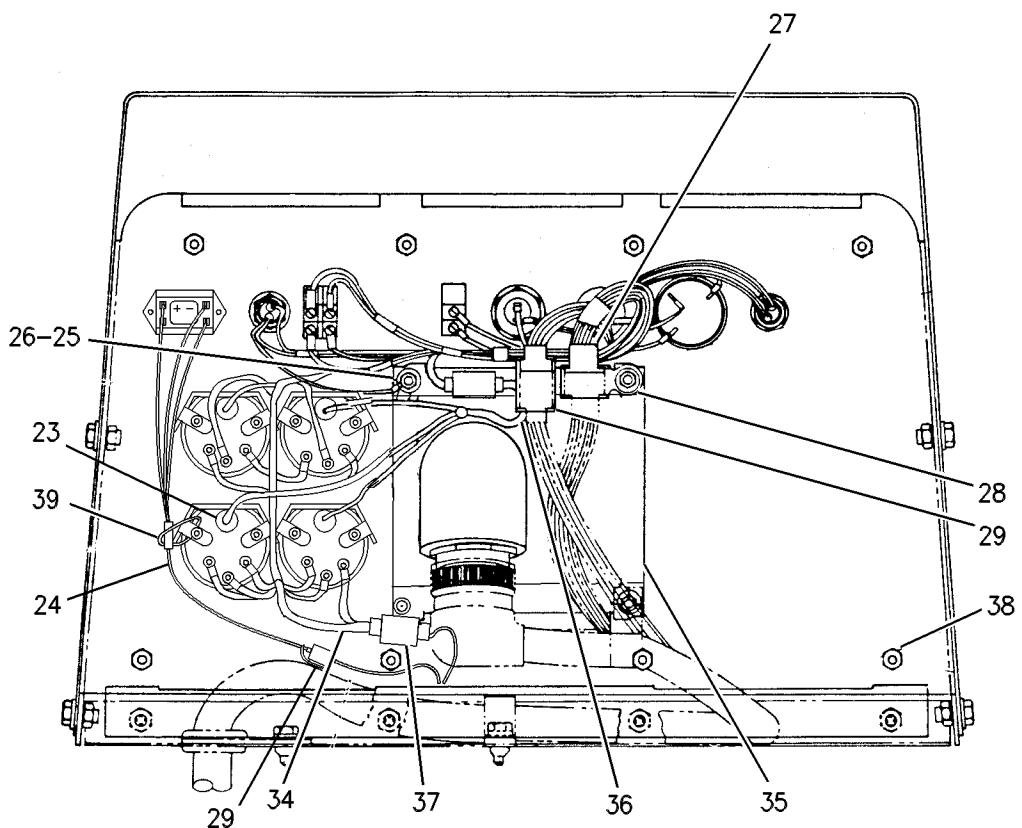
# OPERATOR STATION

8E-5452 INSTRUMENT GP (contd.)

i01327661



RIGHT SIDE VIEW



VIEW B-B

REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

GRAPHIC #2

g00612967

# OPERATOR STATION

## 9U-8930 LINER GP-CAB

S/N: 9EM1-UP

PART OF 119-6724 CAB AR  
AN ATTACHMENT

SMCS-7329

i01066384

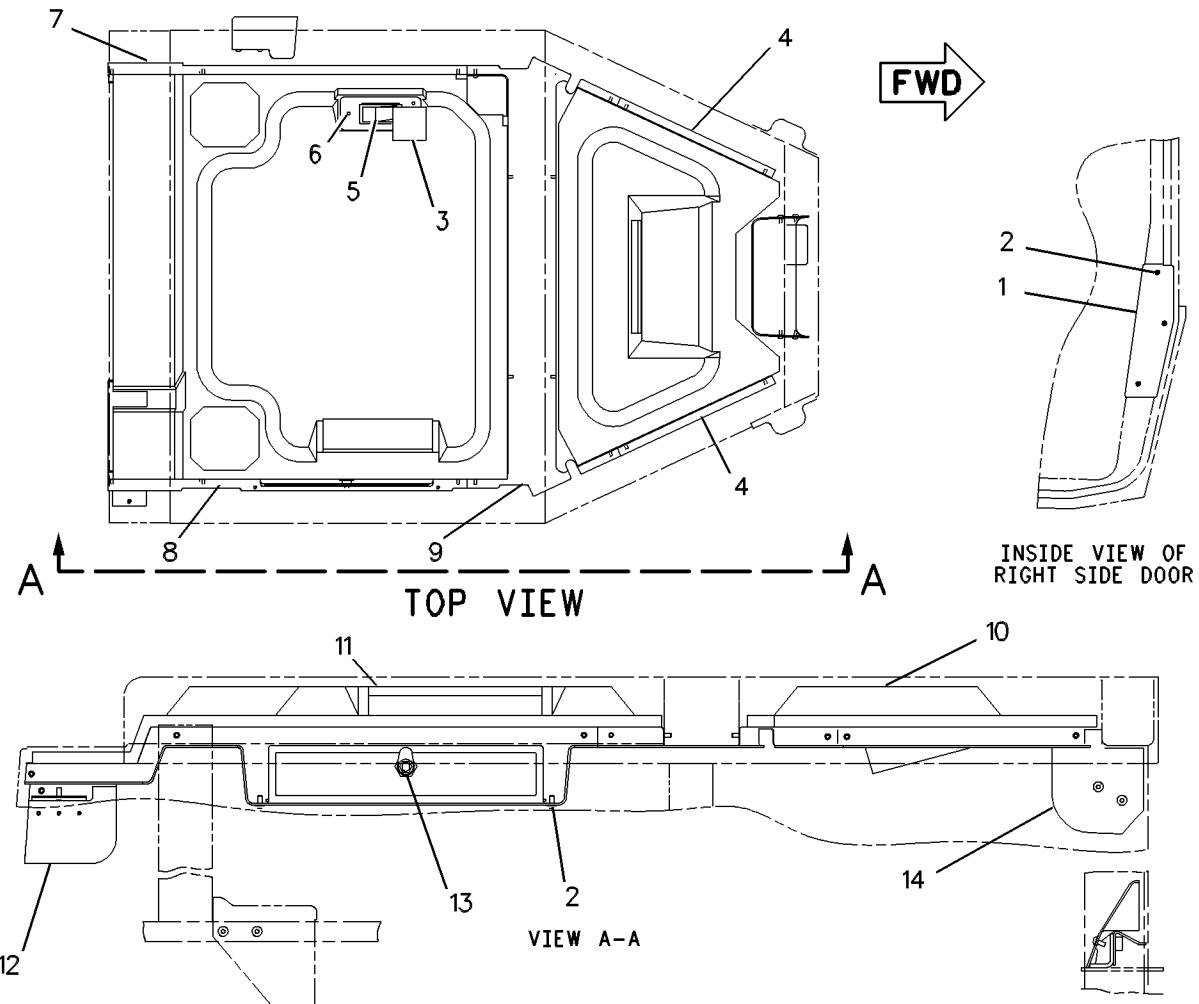
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
1	1		6I-9426	1	COVER (RH)							
			6I-9427	1	COVER (LH)							
M	2	1	9X-2043	34	SCREW-TRUSS HEAD (M6X1X14MM)							
3	1		162-9778	1	PAD							
4	1		9U-8932	2	RETAINER							
5	1		8C-9678	1	LAMP GP-DOME							
			7N-7779	2	SOCKET							
			7N-7780	1	PIN-CONNECTOR (BLADE)							
			7N-7782	1	HOUSING-PLUG (1 PIN, 2 SOCKET)							
			7N-9943	1	LAMP							
			7T-0020	1	LENS							
6	1		6V-7978	3	SCREW-MACHINE (10-32X0.375IN)							
7	1		9U-8933	1	RETAINER							
8	1		9U-8934	1	RETAINER AS							
			9U-8939	1	DOOR							
			9U-8942	2	PIN							
9	1		9U-8929	1	RETAINER							
10	1		9U-8928	1	HEADLINER							
11	1		9U-8926	1	HEADLINER AS							
			5T-1625	1	PLATE AS							
12	1		9U-8945	1	COVER AS							
			9U-8947	1	BRACKET							
			033-7291	3	RIVET							
13	1		3V-7689	1	HANDLE AS							
14	1		9U-8944	1	COVER							

M-METRIC PART

# OPERATOR STATION

9U-8930 LINER GP-CAB (contd.)

i01066384



GRAPHIC #1

g00528000

# OPERATOR STATION

## 189-2634 LINER GP-CAB

S/N: 9EM1-UP

PART OF 198-7771 LINER GP-CAB  
AN ATTACHMENT

SMCS-7329

i01615210

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	3E-6389	1	LAMP GP-DOME (24 VOLT, WITH SWITCH)						366
	2	1	3S-2093	11	STRAP-CABLE						
M	3	1	7Y-7388	4	SCREW-BUTTON HEAD (M5X0.8X12MM)						
	4	1	6T-7695	2	SPEAKER AS-RADIO						
	5	1	8T-4752	4	NUT (M5X0.8-6H THD)						
	6	1	9U-9942	1	FILM-IDENTIFICATION						
	7	1	101-3055	2	COVER-SPEAKER						
	8	1	131-5137	1	PLUG						
	9	1	161-1099	1	PLATE						
	10	1	166-3733	11	NUT-SPEED						
	11	1	169-9636	1	HARNESS AS						
	12	1	189-2635	1	HEADLINER-REAR						
	13	1	103-9425	11	SCREW-MACHINE (8-32X1 IN)						
	14	1	3T-6655	1	SWITCH AS-ROTARY (WIPER/WASHER) (REAR)						
	15	1	3T-6655	1	SWITCH AS-ROTARY (WIPER/WASHER) (RIGHT HAND DOOR)						
	16	1	3T-6655	1	SWITCH AS-ROTARY (WIPER/WASHER) (LEFT HAND DOOR)						
	17	1	3T-6655	1	SWITCH AS-ROTARY (WIPER/WASHER) (FRONT)						
					(EACH SWITCH AS-ROTARY INCLUDES)						
	1		7T-9302	1	KNOB						

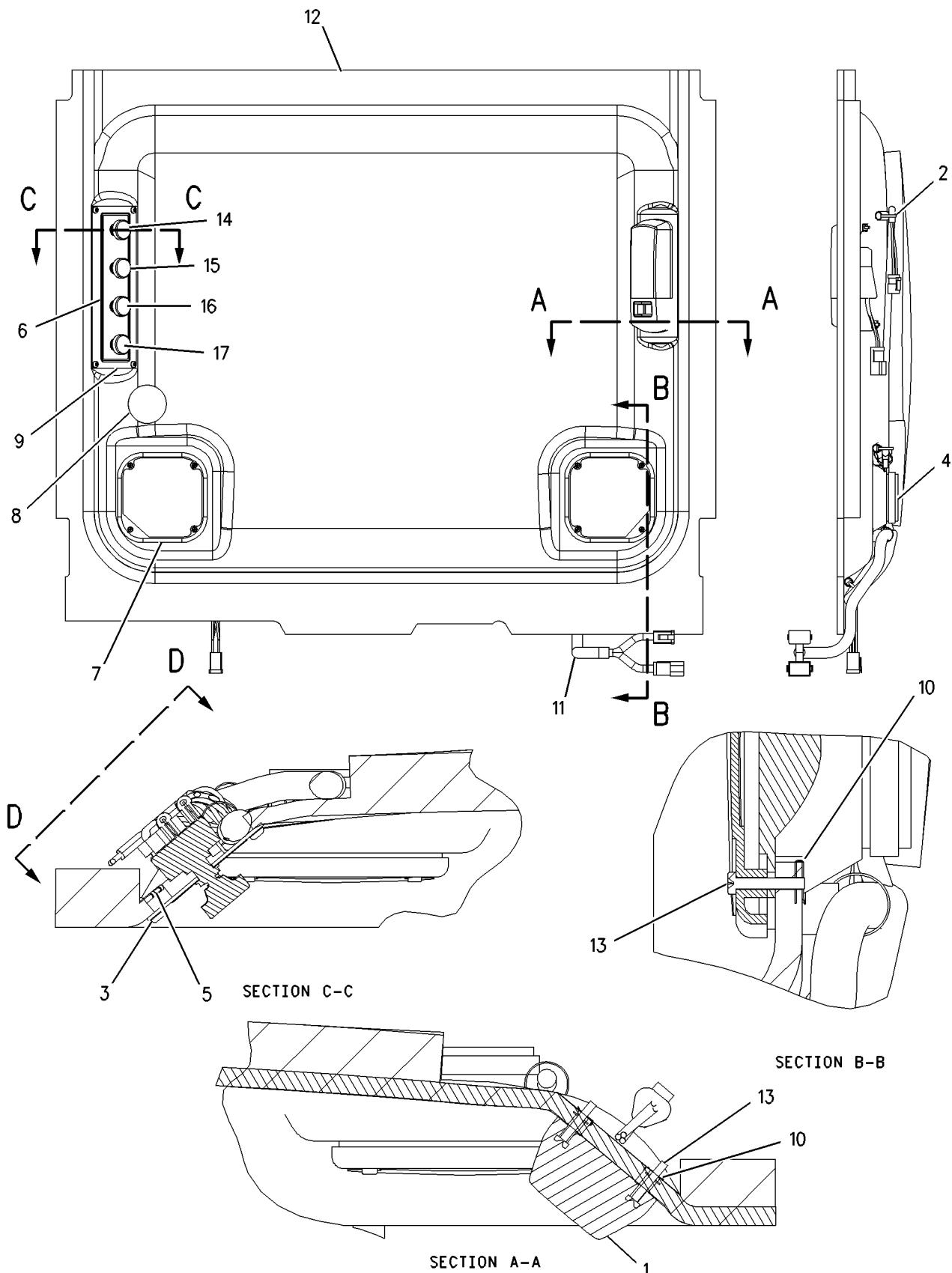
M-METRIC PART

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

189-2634 LINER GP-CAB (contd.)

i01615210



GRAPHIC #1

g00741067

# OPERATOR STATION

## 198-7771 LINER GP-CAB

S/N: 9EM1-UP

PART OF 198-7761 CAB AR  
AN ATTACHMENT

SMCS-7329

i01615193

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
	1	1	6V-8928	1	HOOK-COAT						
	2	1	114-9139	1	COVER-FRONT						
	3	1	114-9140	1	COVER AS						
	4	1	126-3492	1	HANDLE AS						
	5	1	131-5176	1	PLATE						
	6	1	137-8708	1	PLATE						
J	7	1	153-9047	2	TRIM-POST						
	8	1	158-8906	2	BLOCK-FOAM						
Y	9	1	189-2634	1	LINER GP-CAB						1056
	10	1	189-2636	1	HEADLINER-FRONT						
	11	1	189-2637	1	RETAINER						
	12	1	198-7768	1	COVER-RH						
	13	1	198-7769	1	COVER-LH						
M	14	1	3E-8020	4	SCREW-TRUSS HEAD (M6X1X25MM)						
M	15	1	6V-8225	2	NUT (M6X1 THD)						
M	16	1	8T-4181	2	BOLT (M6X1X20MM)						
M	17	1	9X-2043	8	SCREW-TRUSS HEAD (M6X1X14MM)						
M	18	1	9X-2045	1	SCREW-TRUSS HEAD (M6X1X20MM)						
	19	1	9X-8267	2	WASHER (6.6X12X2MM THK)						

J - QUANTITES ARE THOSE REQUIRED FOR BOTH LH AND RH SIDES

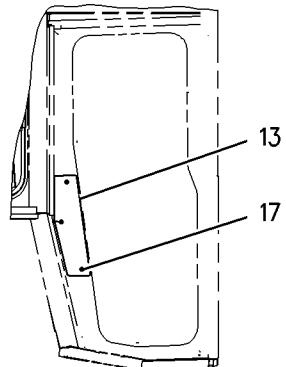
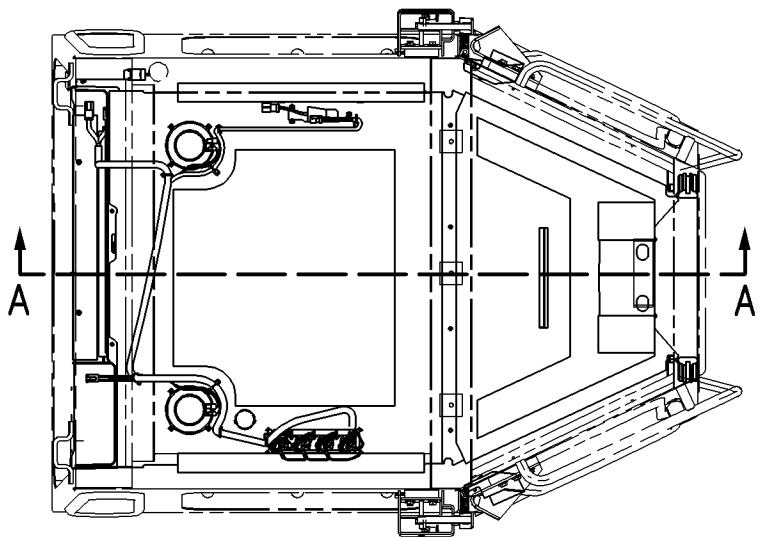
M - METRIC PART

Y - SEPARATE ILLUSTRATION

# OPERATOR STATION

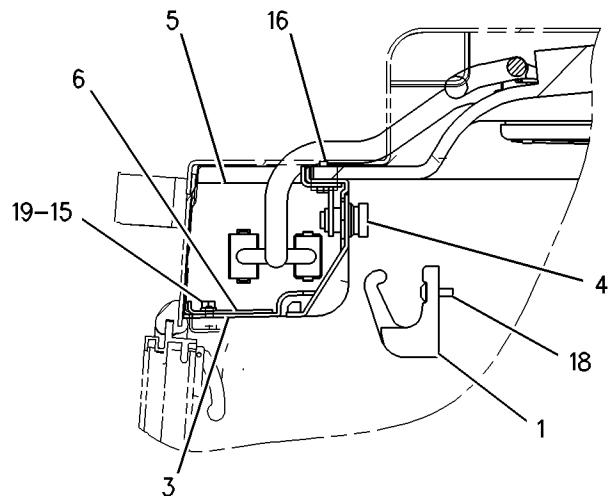
198-7771 LINER GP-CAB (contd.)

i01615193

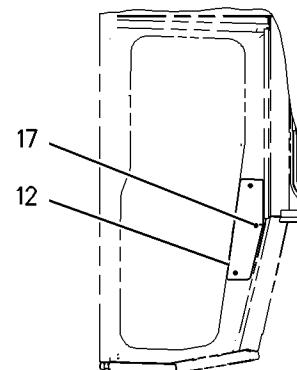


INSIDE VIEW  
LH DOOR

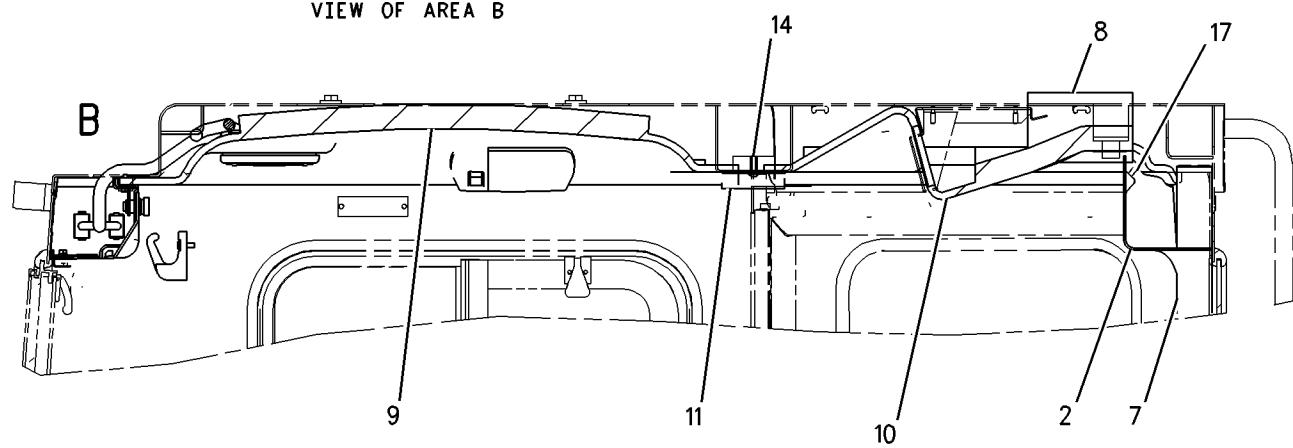
TOP VIEW



VIEW OF AREA B



INSIDE VIEW  
RH DOOR



SECTION A-A

GRAPHIC #1

g00805747

# OPERATOR STATION

## 111-7260 LINES GP-AIR CONDITIONER

S/N: 9EM1-464

PART OF 111-9796 AIR CONDITIONER AR  
AN ATTACHMENT

**SMCS-1808**

**i01027055**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	<b>5S-7379</b>	1	BOLT (3/8-16X.875IN)	
	2	1	<b>8T-4896</b>	3	WASHER-HARD (2.5MM THK)	
	3	1	<b>109-1633</b>	1	CLIP (SLOT)	
	4	1	<b>109-1634</b>	1	CLIP (TAB)	
	5	1	<b>6V-8801</b>	2	NUT (3/8-16 THD)	
I	6	1	<b>111-7267</b>	1	HOSE AS	
I	7	1	<b>111-7266</b>	1	HOSE AS	
	8	1	<b>7N-1277</b>	1	BRACKET AS	
		1	<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)	
	9	1	<b>9X-7381</b>	3	SEAL-O-RING (10.82MM ID)	
	10	1	<b>114-5334</b>	1	SWITCH AS-PRESSURE (FREON)	
	11	1	<b>126-6906</b>	1	BRACKET AS	
		1	<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)	
		1	<b>8T-5912</b>	1	NUT-WELD (3/8-16 THD)	
	12	1	<b>9X-7380</b>	3	SEAL-O-RING (7.65MM ID)	
D	13	1	<b>5P-6129</b>		TUBE (.36M)	
	14	1	<b>8C-5682</b>	1	TEE	
	15	1	<b>1S-1015</b>	1	CLIP (20.46MM ID)	
	16	1	<b>1P-6356</b>	1	PLATE	
	17	1	<b>6V-2372</b>	1	ELBOW-BARBED	
	18	1	<b>103-6100</b>	2	COUPLER-QUICK	
	19	1	<b>3E-3535</b>	1	DRYER-IN-LINE REFRIGERANT	
	20	1	<b>3E-4054</b>	1	FITTING AS-AIR CONDITIONER	
		1	<b>3E-4051</b>	1	CAP-SEAL	
		1	<b>3E-4057</b>	1	VALVE AS-AIR CONDITIONER	
	21	1	<b>9X-7385</b>	2	SEAL-O-RING (20.22MM ID)	
	22	1	<b>7T-9426</b>	2	GROMMET	
	23	1	<b>9X-6772</b>	4	STRAP-CABLE	
I	24	1	<b>107-8436</b>	1	HOSE AS	
	25	1	<b>9X-7378</b>	1	SEAL-O-RING (8.92MM ID)	
	26	1	<b>7T-8894</b>	1	GROMMET	
	27	1	<b>123-7400</b>	1	BRACKET AS	
	28	1	<b>101-8296</b>	2	CLIP	
	29	1	<b>9M-8406</b>	1	CLIP (15.8MM ID)	
M	30	1	<b>8T-6466</b>	1	BOLT (M10X1.50X60MM)	
	31	1	<b>3E-4053</b>	1	FITTING AS-AIR CONDITIONER	
		1	<b>3E-4052</b>	1	CAP-SEAL	
		1	<b>3E-4058</b>	1	VALVE AS-AIR CONDITIONER	
	32	1	<b>7D-7735</b>	1	CLIP	
I	33	1	<b>105-4189</b>	1	HOSE AS	
	34	1	<b>5P-1075</b>	11	WASHER-HARD (3MM THK)	
	35	1	<b>5M-3062</b>	2	BOLT (3/8-16X.75IN)	
	36	1	<b>7T-9793</b>	1	VALVE (CHECK)	
	37	1	<b>9X-7382</b>	2	SEAL-O-RING (14.00MM ID)	
	38	1	<b>8T-2502</b>	2	BOLT (3/8-16X1.125IN)	
	39	1	<b>9G-9150</b>	3	CLIP (10.2MM ID)	
	40	1	<b>9X-7383</b>	2	SEAL-O-RING (17.17MM ID)	
	41	1	<b>3S-2093</b>	1	STRAP-CABLE (1.75IN DIA)	
	42	1	<b>5P-4116</b>	3	WASHER (2MM THK)	
	43	1	<b>101-8789</b>	1	ACCUMULATOR-REFRIGERANT	
	44	1	<b>8E-4331</b>	1	PLATE AS	
		1	<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)	
D	45	1	<b>6V-2495</b>	1	SEAL (.1M)	
	46	1	<b>8T-2501</b>	1	BOLT (3/8-16X2.0IN)	
	47	1	<b>4L-6454</b>	5	BOLT (3/8-16X1.0IN)	

# OPERATOR STATION

## 111-7260 LINES GP-AIR CONDITIONER (*contd.*)

i01027055

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
	48	1	116-6100	1	PLATE							
Y	49	1	3E-9169	1	SUPPRESSOR GP-ELECTRONIC							415
I	50	1	111-7268	1	HOSE AS							
D	51	1	5P-6129		TUBE (.2M)							
D	52	1	5P-6129		TUBE (.05M)							
D	53	1	5P-6129		TUBE (1.2M)							
	54	1	4P-7581	1	CLIP							
		1	5S-7383	1	BOLT (3/8-16X1.75IN)							
	55	1	6K-8178	1	CLIP (15.88MM ID)							
	56	1	5P-6994	1	CLIP (25.5MM ID)							
	57	1	4D-7735	1	CLIP (18.29MM ID)							
	58	1	116-6202	1	BOOT							

D-ORDER BY THE METER

I-SEE HOSE FABRICATION GUIDE

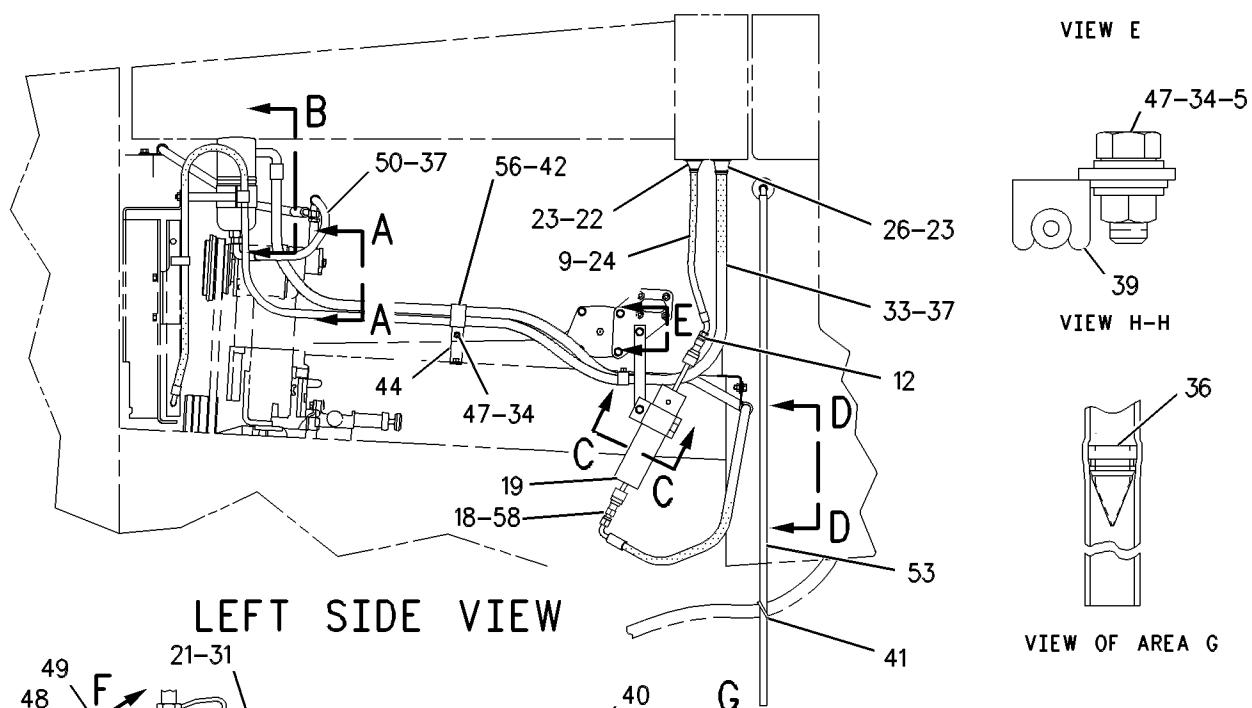
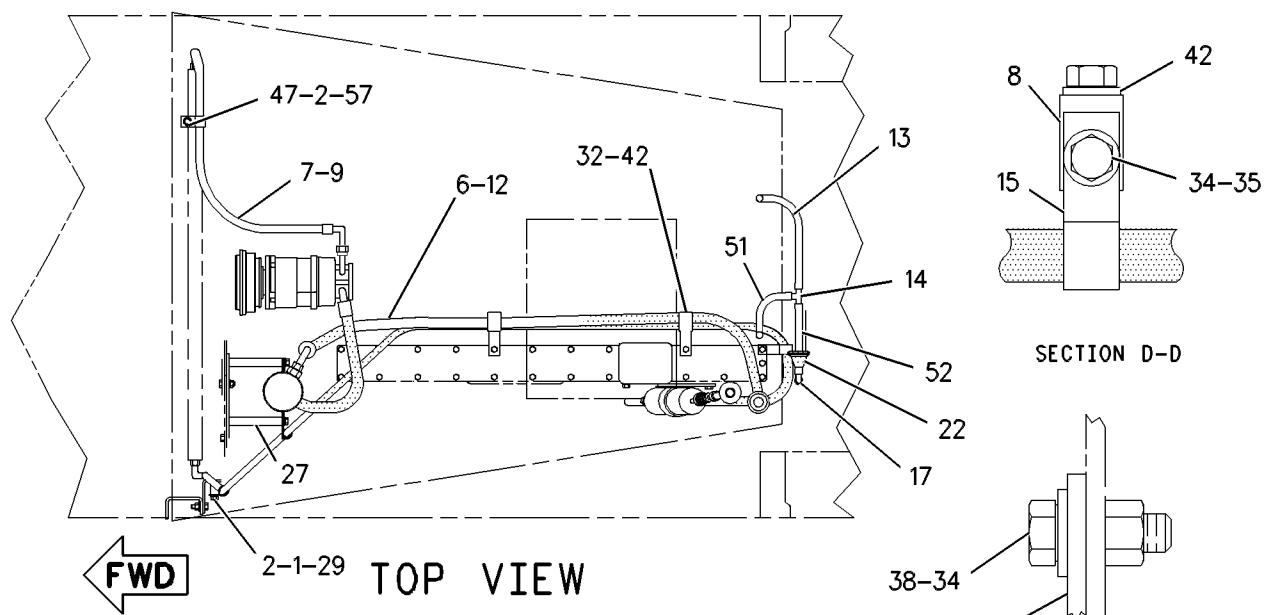
M-METRIC PART

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

111-7260 LINES GP-AIR CONDITIONER (contd.)

i01027055



# OPERATOR STATION

## 111-7260 LINES GP-AIR CONDITIONER

S/N: 9EM465-UP

PART OF 111-9796 AIR CONDITIONER AR  
AN ATTACHMENT  
TYPE 1

**SMCS-1808**

**i01044354**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
					2	
					3	
					4	
					5	
					6	
	1	1	<b>5S-7379</b>	1	BOLT (3/8-16X.875IN)	
	2	1	<b>8T-4896</b>	3	WASHER-HARD (2.5MM THK)	
	3	1	<b>109-1633</b>	1	CLIP (SLOT)	
	4	1	<b>109-1634</b>	1	CLIP (TAB)	
C	5	1	<b>6V-8801</b>	1	NUT (3/8-16 THD)	
I	6	1	<b>111-7267</b>	1	HOSE AS	
I	7	1	<b>111-7266</b>	1	HOSE AS	
	8	1	<b>7N-1277</b>	1	BRACKET AS	
		1	<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)	
	9	1	<b>9X-7381</b>	3	SEAL-O-RING (10.82MM ID)	
	10	1	<b>114-5334</b>	1	SWITCH AS-PRESSURE (FREON)	
		1	<b>7N-7779</b>	1	SOCKET	
		1	<b>7N-7780</b>	1	PIN-CONNECTOR (BLADE)	
		1	<b>7N-9737</b>	1	HOUSING-PLUG (1 PIN,1 SOCKET)	
	11	1	<b>126-6906</b>	1	BRACKET AS	
		1	<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)	
	12	1	<b>9X-7380</b>	3	SEAL-O-RING (7.65MM ID)	
D	13	1	<b>5P-6129</b>		TUBE (.36M)	
	14	1	<b>8C-5682</b>	1	TEE	
	15	1	<b>1S-1015</b>	1	CLIP (20.46MM ID)	
	16	1	<b>1P-6356</b>	1	PLATE	
	17	1	<b>6V-2372</b>	1	ELBOW-BARBED	
	18	1	<b>103-6100</b>	2	COUPLER-QUICK	
	19	1	<b>3E-3535</b>	1	DRYER-IN-LINE REFRIGERANT	
	20	1	<b>3E-4054</b>	1	FITTING AS-AIR CONDITIONER	
		1	<b>3E-4051</b>	1	CAP-SEAL	
		1	<b>3E-4057</b>	1	VALVE AS-AIR CONDITIONER	
	21	1	<b>9X-7385</b>	2	SEAL-O-RING (20.22MM ID)	
	22	1	<b>7T-9426</b>	2	GROMMET	
	23	1	<b>9X-6772</b>	4	STRAP-CABLE	
I	24	1	<b>107-8436</b>	1	HOSE AS	
	25	1	<b>9X-7378</b>	1	SEAL-O-RING (8.92MM ID)	
	26	1	<b>7T-8894</b>	1	GROMMET	
	27	1	<b>123-7400</b>	1	BRACKET AS	
	28	1	<b>101-8296</b>	2	CLIP	
	29	1	<b>9M-8406</b>	1	CLIP (15.8MM ID)	
M	30	1	<b>8T-6466</b>	1	BOLT (M10X1.50X60MM)	
	31	1	<b>3E-4053</b>	1	FITTING AS-AIR CONDITIONER	
		1	<b>3E-4052</b>	1	CAP-SEAL	
		1	<b>3E-4058</b>	1	VALVE AS-AIR CONDITIONER	
	32	1	<b>7D-7735</b>	1	CLIP	
I	33	1	<b>105-4189</b>	1	HOSE AS	
C	34	1	<b>5P-1075</b>	8	WASHER-HARD (3MM THK)	
	35	1	<b>5M-3062</b>	2	BOLT (3/8-16X.75IN) (3/8-16X.750IN)	
	36	1	<b>7T-9793</b>	1	VALVE (CHECK)	
	37	1	<b>9X-7382</b>	2	SEAL-O-RING (14.00MM ID) (14MM ID)	
	38	1	<b>8T-2502</b>	2	BOLT (3/8-16X1.125IN) (3/8-16X1.125IN)	
C	39	1	<b>9G-9150</b>	1	CLIP (10.2MM ID)	
	40	1	<b>9X-7383</b>	2	SEAL-O-RING (17.17MM ID)	
C	41	1	<b>3S-2093</b>	2	STRAP-CABLE (1.75IN DIA)	
	42	1	<b>5P-4116</b>	3	WASHER (2MM THK)	
	43	1	<b>101-8789</b>	1	ACCUMULATOR-REFRIGERANT	
	44	1	<b>8E-4331</b>	1	PLATE AS	
	1		<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)	

# OPERATOR STATION

## 111-7260 LINES GP-AIR CONDITIONER (contd.)

i01044354

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
BD	45	1	<b>6V-2495</b>	1	SEAL							
	46	1	<b>4D-7735</b>	1	CLIP (18.29MM ID)							
	47	1	<b>4L-6454</b>	5	BOLT (3/8-16X1.0IN)							
	48	1	<b>116-6202</b>	2	BOOT							
C	49	1	<b>106-8704</b>	1	SUPPRESSOR AS-ARC							
J		1	<b>3E-3365</b>	1	WEDGE							
		1	<b>8T-8729</b>	2	PIN-CONNECTOR							
		1	<b>102-8802</b>	1	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE & PART MARKED J)							
I	50	1	<b>111-7268</b>	1	HOSE AS							
D	51	1	<b>5P-6129</b>	1	TUBE (.2M)							
D	52	1	<b>5P-6129</b>	1	TUBE (.05M)							
D	53	1	<b>5P-6129</b>	1	TUBE (1.2M)							
C	54	1	<b>4P-7581</b>	2	CLIP (10.5MM ID)							
	55	1	<b>6K-8178</b>	1	CLIP (15.88MM ID)							
	56	1	<b>5P-6994</b>	1	CLIP (25.5MM ID)							
	57	1	<b>5S-7383</b>	1	BOLT (3/8-16X1.75IN)							

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

D-ORDER BY THE METER

I-SEE HOSE FABRICATION GUIDE

J-PART MARKED J INCLUDED IN 102-8802 RECEPTACLE KIT

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

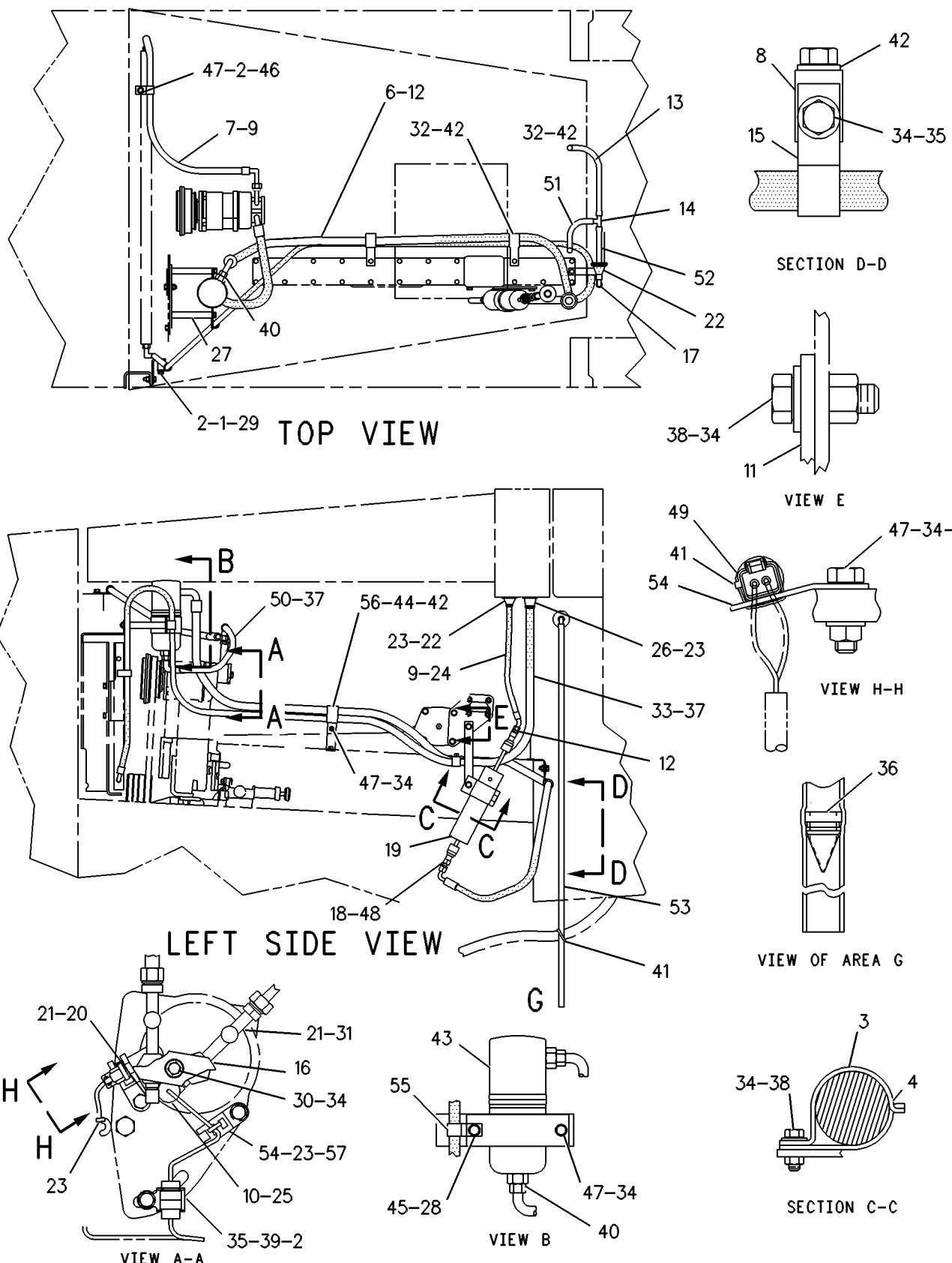
D-ORDER BY THE METER

M-METRIC PART

# OPERATOR STATION

111-7260 LINES GP-AIR CONDITIONER (contd.)

i01044354



GRAPHIC #1

g00521420

# OPERATOR STATION

## 111-7260 LINES GP-AIR CONDITIONER

S/N: 9EM465-UP

PART OF 111-9796 AIR CONDITIONER AR  
AN ATTACHMENT  
TYPE 2

**SMCS-1808**

**i01532469**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	2	<b>1P-6356</b>	1	PLATE	
	2	2	<b>3E-3535</b>	1	RECEIVER-DRYER GP (AIR CONDITIONER)	
C	3	2	<b>3S-2093</b>	1	STRAP-CABLE	
C	4	2	<b>3W-3808</b>	2	PLATE AS (EACH INCLUDES)	
		2	<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)	
	5	2	<b>7T-9426</b>	2	GROMMET	
	6	1	<b>8C-5682</b>	1	TEE	
C	7	1	<b>8R-3393</b>	1	STRAP	
	8	2	<b>9G-9150</b>	1	CLIP	
C	9	2	<b>9V-2500</b>	1	BRACKET AS	
		2	<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)	
C	10	2	<b>9X-6772</b>	5	STRAP-CABLE	
	11	1	<b>103-6100</b>	2	COUPLER AS-QUICK	
I	12	2	<b>111-7266</b>	1	HOSE AS	
	13	2	<b>114-5334</b>	1	SWITCH AS-PRESSURE (FREON)	
		2	<b>7N-9737</b>	1	HOUSING-PLUG	
		2	<b>7N-7780</b>	1	PIN-CONNECTOR (BLADE)	
		2	<b>7N-7779</b>	1	SOCKET-CONNECTOR	
	14	1	<b>116-6202</b>	2	BOOT	
C	15	1	<b>128-5924</b>	1	CLAMP	
C	16	2	<b>136-7220</b>	1	BRACKET AS	
		2	<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)	
C	17	2	<b>186-6189</b>	1	ACCUMULATOR-REFRIGERANT	
CI	18	1	<b>156-4676</b>	1	HOSE AS	
CI	19	2	<b>156-4677</b>	1	HOSE AS	
CI	20	2	<b>156-4678</b>	1	HOSE AS	
CI	21	2	<b>156-4679</b>	1	HOSE AS	
	22	2	<b>106-8704</b>	1	SUPPRESSOR AS-ARC	
		2	<b>3E-3365</b>	1	WEDGE-RECEPTACLE LOCK (2 PIN)	
		2	<b>8T-8729</b>	2	PIN-CONNECTOR	
		2	<b>102-8802</b>	1	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE AS & WEDGE)	
	23	2	<b>109-1633</b>	1	CLIP (SLOT)	
	24	2	<b>109-1634</b>	1	CLIP (TAB)	
C	25	2	<b>1B-4971</b>	1	SPACER (13/32X1X1 IN THK)	
	26	2	<b>3E-4053</b>	1	FITTING AS-AIR CONDITIONER	
		2	<b>3E-4052</b>	1	CAP-SEAL (AIR CONDITIONER) (HIGH SIDE)	
		2	<b>3E-4058</b>	1	VALVE AS-AIR CONDITIONER (HIGH SIDE)	
	27	2	<b>3E-4054</b>	1	FITTING AS-AIR CONDITIONER	
		2	<b>3E-4051</b>	1	CAP-SEAL (AIR CONDITIONER) (LOW SIDE)	
		2	<b>3E-4057</b>	1	VALVE AS-AIR CONDITIONER (LOW SIDE)	
	28	1	<b>4D-7735</b>	1	CLIP	
	29	1,2	<b>4L-6454</b>	5	BOLT (3/8-16X1 IN)	
	30	2	<b>4P-7581</b>	2	CLIP	
C	31	2	<b>6V-1889</b>	1	CLIP	
C	32	2	<b>5M-3062</b>	1	BOLT (3/8-16X0.75 IN)	
C	33	2	<b>5P-1075</b>	4	WASHER-HARD (10.2X22.5X3MM THK)	
C	34	1,2	<b>5P-4116</b>	4	WASHER-HARD (8.8X20.5X2MM THK)	
	35	1	<b>5S-7379</b>	1	BOLT (3/8-16X0.875 IN)	
C	36	2	<b>7X-0288</b>	2	BOLT (3/8-16X1.625 IN)	
	37	2	<b>6V-2372</b>	1	ELBOW-BARBED	
C	38	2	<b>6V-8801</b>	2	NUT (3/8-16 THD)	
	39	2	<b>7T-8894</b>	1	GROMMET	

# OPERATOR STATION

111-7260 LINES GP-AIR CONDITIONER (contd.)

i01532469

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
	40	2	7T-9793	1	VALVE (CHECK)							
C	41	2	7X-0274	1	BOLT (5/16-18X2.75 IN)							
C	42	2	8T-2502	1	BOLT (3/8-16X1.125 IN)							
C	43	1	8T-2561	2	WASHER-HARD (10.5X28.5X5MM THK)							
C	44	1,2	8T-4896	7	WASHER-HARD (10.2X18.5X2.5MM THK)							
M	45	2	8T-6466	1	BOLT (M10X1.50X60MM)							
C	46	1,2	9M-8406	4	CLIP							
	47	1	9X-7378	1	SEAL-O-RING							
	48	1,2	9X-7380	3	SEAL-O-RING							
	49	1,2	9X-7381	3	SEAL-O-RING							
	50	1,2	9X-7382	2	SEAL-O-RING							
	51	2	9X-7383	2	SEAL-O-RING							
	52	2	9X-7385	2	SEAL-O-RING							
BD	53	1,2	5P-6129		TUBE							

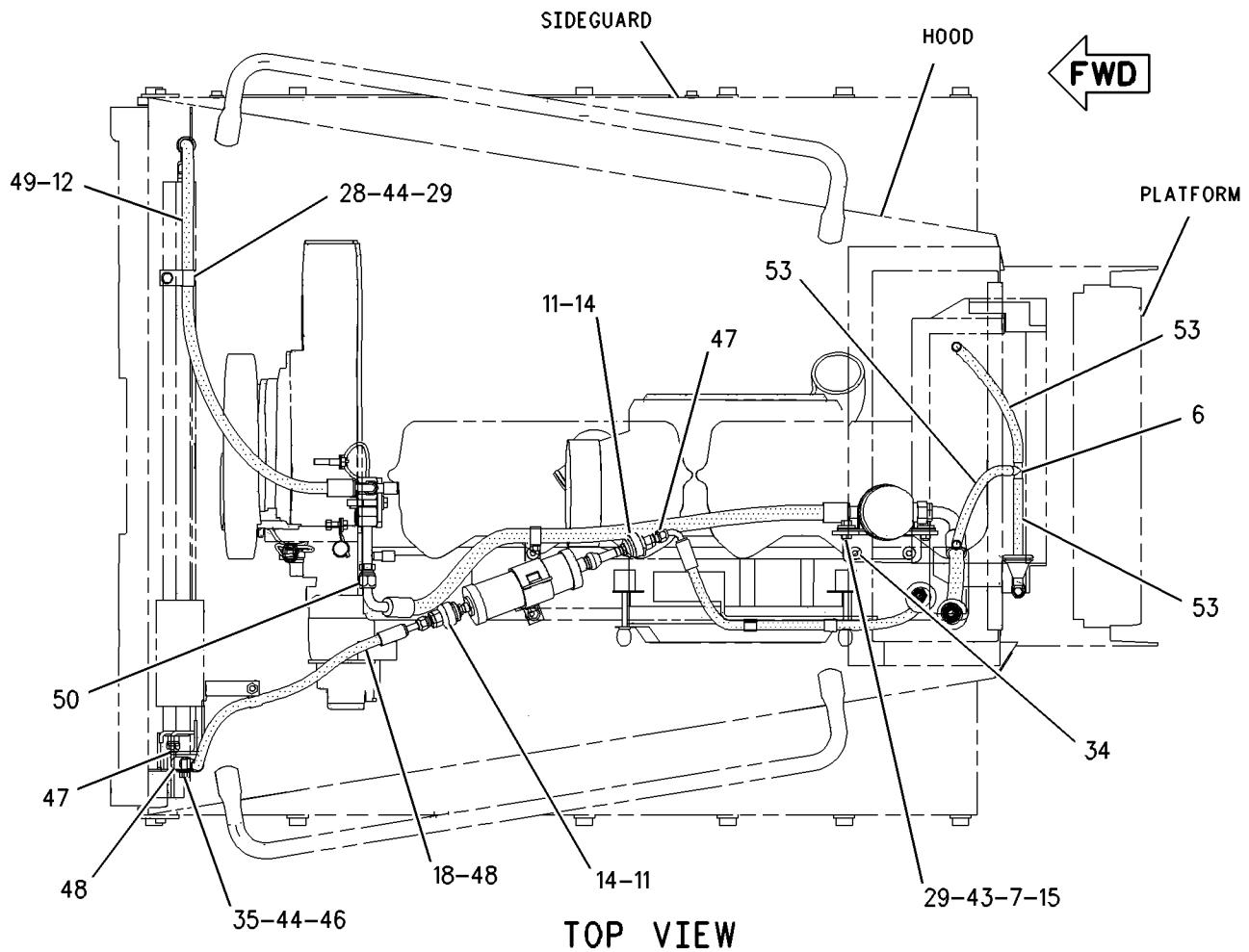
B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

D-ORDER BY THE METER

I-SEE HOSE FABRICATION GUIDE

M-METRIC PART



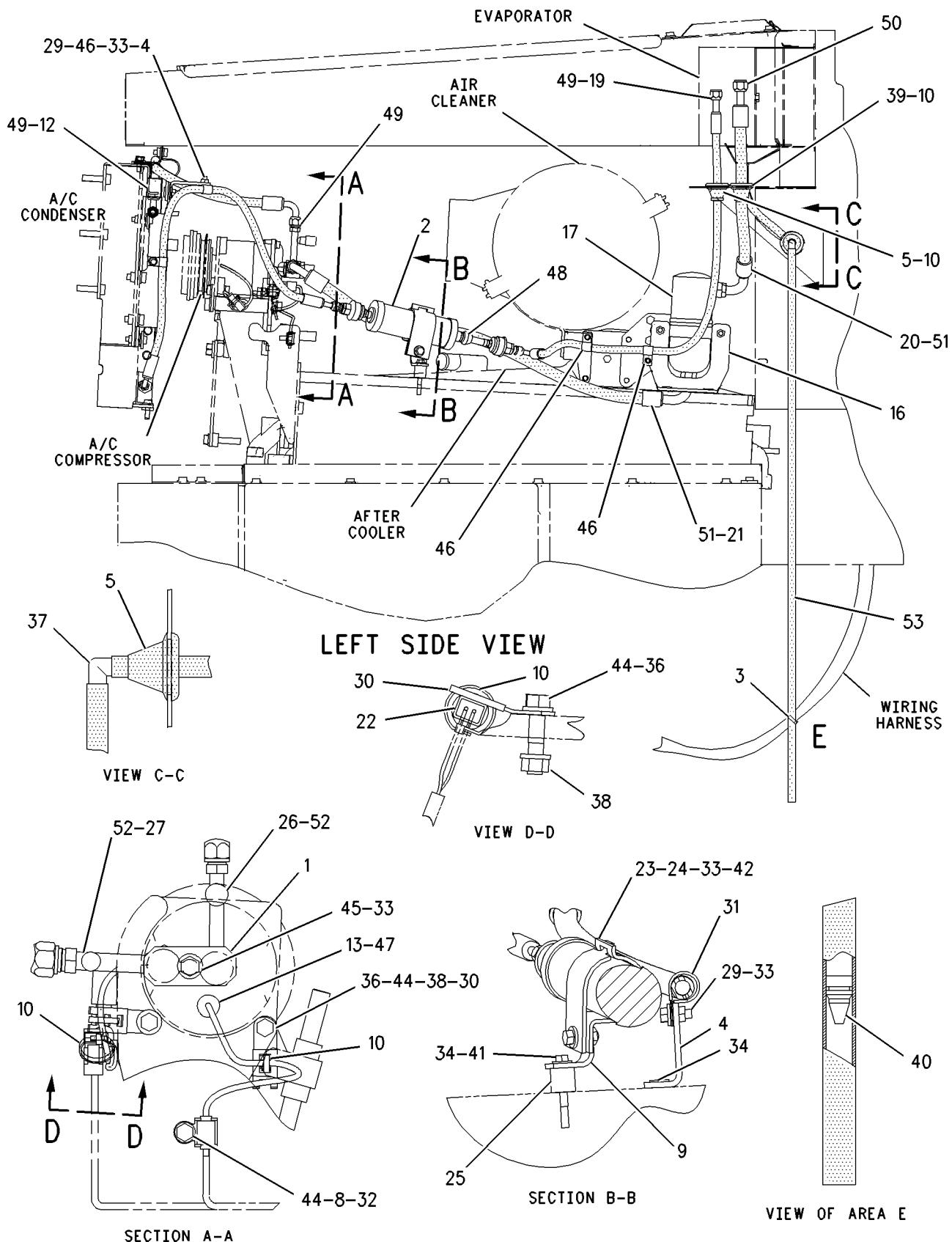
GRAPHIC #1

g00787061

# OPERATOR STATION

111-7260 LINES GP-AIR CONDITIONER (contd.)

i01532469



GRAPHIC #2

g00787064

# OPERATOR STATION

## 111-7265 LINES GP-AIR CONDITIONER

S/N: 9EM1-UP

PART OF 111-9797 AIR CONDITIONER AR  
AN ATTACHMENT

**SMCS-1808**

**i01542378**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
	1	3	<b>1P-6356</b>	1	PLATE							
	2	3	<b>1Q-0538</b>	1	FILM-FACE							
C	3	3	<b>7X-0288</b>	2	BOLT (3/8-16X1.625 IN)							
	4	1	<b>3E-3535</b>	1	RECEIVER-DRYER GP (AIR CONDITIONER)							
C	5	3	<b>3S-2093</b>	2	STRAP-CABLE							
C	6	3	<b>3W-3808</b>	1	PLATE AS							
		3	<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)							
C	7	1	<b>7N-0900</b>	1	SPACER							
C	8	2	<b>7N-1277</b>	2	BRACKET AS							
					(EACH INCLUDES)							
		2	<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)							
	9	1,3	<b>7T-9426</b>	2	GROMMET							
	10	2	<b>8C-5682</b>	1	TEE							
C	11	3	<b>8R-3393</b>	1	STRAP							
	12	3	<b>9G-9150</b>	1	CLIP							
C	13	1	<b>9V-2500</b>	1	BRACKET AS							
	14	3	<b>9W-8687</b>	1	PLATE AS							
		3	<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)							
BC	15	1,2,3	<b>9X-6772</b>	21	STRAP-CABLE							
	16	1	<b>103-6100</b>	2	COUPLER AS-QUICK							
	17	1	<b>107-8438</b>	1	BRACKET AS							
	18	1	<b>107-8439</b>	1	HANDHOLD-RH							
	19	3	<b>110-2982</b>	1	WIRE AS							
I	20	1	<b>111-7263</b>	1	HOSE AS							
	21	1	<b>111-7271</b>	1	BRACKET AS							
		1	<b>1F-0748</b>	2	NUT-WELD (1/2-13 THD)							
		1	<b>8T-5911</b>	2	NUT-WELD (1/2-13 THD)							
	22	1	<b>111-7272</b>	1	BRACKET							
	23	3	<b>114-5334</b>	1	SWITCH AS-PRESSURE (HI/LO)							
		3	<b>7N-7779</b>	1	SOCKET-CONNECTOR							
		3	<b>7N-7780</b>	1	PIN-CONNECTOR (BLADE)							
		3	<b>7N-9737</b>	1	HOUSING-PLUG							
	24	1	<b>116-6202</b>	2	BOOT							
	25	1	<b>117-8314</b>	1	HARNESS AS							
	26	1	<b>121-3307</b>	4	MOUNT AS-RUBBER							
					(EACH INCLUDES)							
		1	<b>8T-4226</b>	1	WASHER-PLATED (10.5X45X3MM THK)							
	27	2	<b>126-8203</b>	1	PLATE AS							
		2	<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)							
		2	<b>4K-8501</b>	2	CLIP							
		2	<b>7G-9913</b>	1	DOOR							
		2	<b>9B-2052</b>	1	HINGE							
C	28	3	<b>128-5924</b>	1	CLAMP							
C	29	3	<b>136-7220</b>	1	BRACKET AS							
C		3	<b>1F-0750</b>	1	NUT-WELD (3/8-16 THD)							
C	30	3	<b>186-6189</b>	1	ACCUMULATOR-REFRIGERANT							
CI	31	1	<b>156-4677</b>	1	HOSE AS							
CI	32	3	<b>156-4678</b>	1	HOSE AS							
CI	33	1	<b>156-4679</b>	1	HOSE AS							
CI	34	1	<b>160-4911</b>	1	HOSE AS							
	35	3	<b>106-8704</b>	1	SUPPRESSOR AS-ARC							
		3	<b>102-8802</b>	1	KIT-RECEPTACLE (2 PIN)							
					(INCLUDES RECEPTACLE AS & WEDGE)							
		3	<b>3E-3365</b>	1	WEDGE-RECEPTACLE LOCK (2 PIN)							
		3	<b>8T-8729</b>	2	PIN-CONNECTOR							

# OPERATOR STATION

## 111-7265 LINES GP-AIR CONDITIONER (contd.)

i01542378

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE
					1 2 3 4 5 6		
	36	1	109-1633	1	CLIP (SLOT)		
	37	1	109-1634	1	CLIP (TAB)		
C	38	1	1B-4971	1	SPACER (13/32X1X1 IN THK)		
C	39	1	1S-0994	2	CLIP		
	40	3	3D-9799	2	SCREW-MACHINE (8-32X.875IN)		
	41	3	3E-4053	1	FITTING AS-AIR CONDITIONER		
		3	3E-4052	1	CAP-SEAL (AIR CONDITIONER) (HIGH SIDE)		
		3	3E-4058	1	VALVE AS-AIR CONDITIONER (HIGH SIDE)		
	42	3	3E-4054	1	FITTING AS-AIR CONDITIONER		
		3	3E-4051	1	CAP-SEAL (AIR CONDITIONER) (LOW SIDE)		
		3	3E-4057	1	VALVE AS-AIR CONDITIONER (LOW SIDE)		
C	43	1,2	4D-7733	4	CLIP		
C	44	2,3	4L-6454	2	BOLT (3/8-16X1 IN)		
	45	1	4L-6459	4	BOLT (3/8-16X2.5 IN)		
	46	2	4P-7428	1	CLIP		
	47	3	4P-7581	3	CLIP		
C	48	1,2,3	5M-3062	11	BOLT (3/8-16X0.75 IN)		
C	49	1,2,3	5P-1075	10	WASHER-HARD (10.2X22.5X3MM THK)		
C	50	1	5P-1076	11	WASHER-HARD (13.5X30X4MM THK)		
	51	1	5P-2228	1	BOLT (1/2-13X1 IN)		
C	52	1,2,3	5P-4116	6	WASHER-HARD (8.8X20.5X2MM THK)		
	53	1,3	5P-6994	3	CLIP		
	55	1	6D-4247	1	CLIP		
C	56	2	6D-4636	2	CLIP		
C	57	3	6T-3643	1	CIRCUIT BREAKER AS (15 AMP)		
		3	6V-8376	2	SCREW-MACHINE (8-32X0.25 IN)		
		3	9B-7233	2	LOCKWASHER		
	58	3	6V-2372	1	ELBOW-BARBED		
C	59	1,3	6V-8801	7	NUT (3/8-16 THD)		
	60	1	7T-8894	1	GROMMET		
	61	3	7T-9793	1	VALVE (CHECK)		
C	62	1	7X-0274	1	BOLT (5/16-18X2.75 IN)		
C	63	1	7X-0290	1	BOLT (3/8-16X3.50 IN)		
C	64	1	8T-2502	1	BOLT (3/8-16X1.125 IN)		
C	65	3	8T-2561	2	WASHER-HARD (10.5X28.5X5MM THK)		
	66	1	8T-4226	8	WASHER-PLATED (10.5X45X3MM THK)		
C	67	1,2,3	8T-4896	13	WASHER-HARD (10.2X18.5X2.5MM THK)		
M	68	1	8T-4956	4	BOLT (M12X1.75X35MM)		
M	69	3	8T-6466	1	BOLT (M10X1.50X60MM)		
	70	1	8T-9389	4	BOLT (1/2-13X2.75 IN)		
C	71	1	9M-8406	2	CLIP		
	72	3	9X-7378	1	SEAL-O-RING		
	73	1	9X-7380	3	SEAL-O-RING		
	74	1,3	9X-7381	3	SEAL-O-RING		
	75	3	9X-7382	2	SEAL-O-RING		
	76	3	9X-7383	2	SEAL-O-RING		
	77	3	9X-7385	2	SEAL-O-RING		
BD	78	2,3	5P-6129		TUBE (1.2M)		
C	79	1	5P-2566	1	BOLT (1/2-13X1.5 IN)		
C	80	1	6V-8188	1	NUT (1/2-13 THD)		

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

D-ORDER BY THE METER

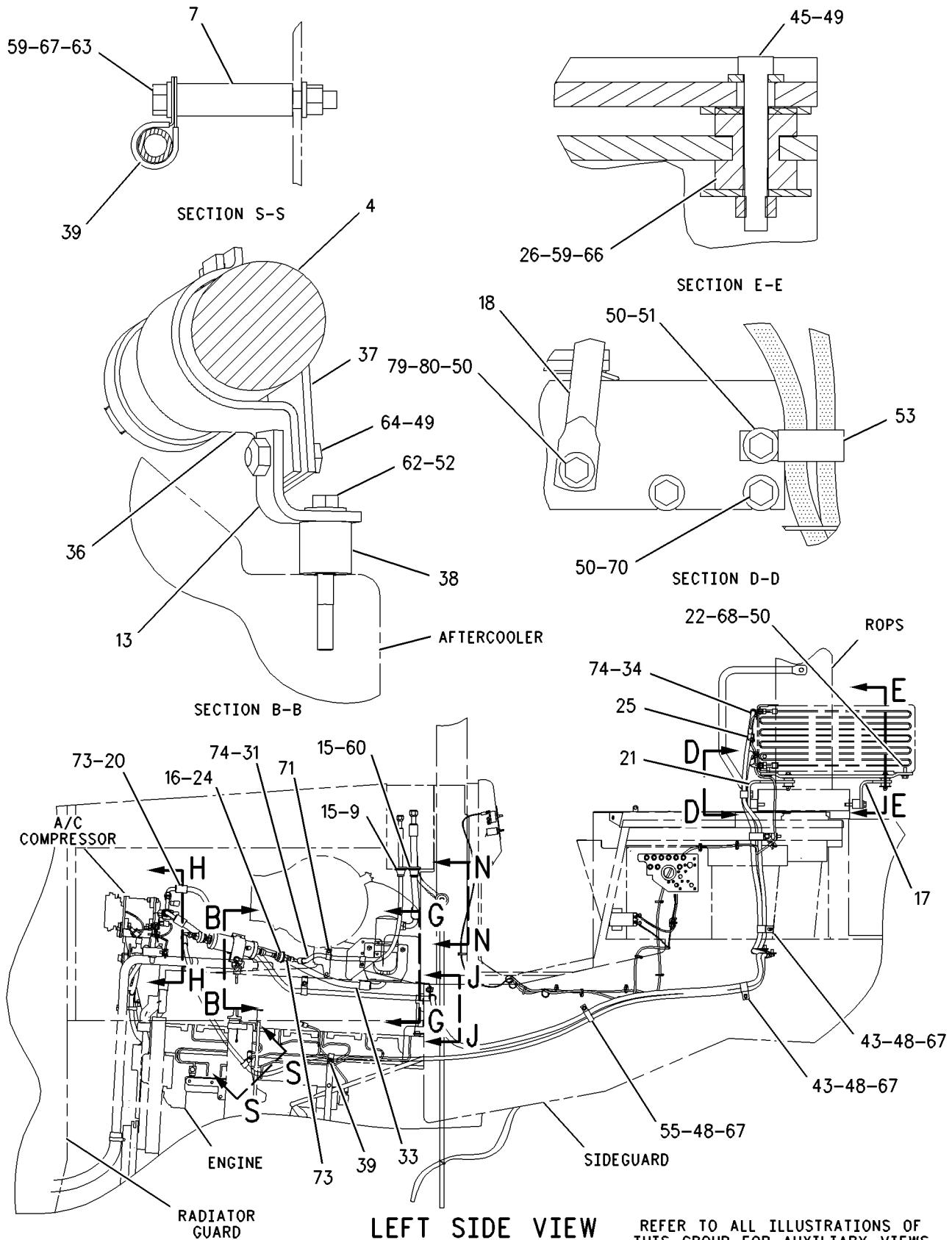
I-SEE HOSE FABRICATION GUIDE

M-METRIC PART

# OPERATOR STATION

111-7265 LINES GP-AIR CONDITIONER (contd.)

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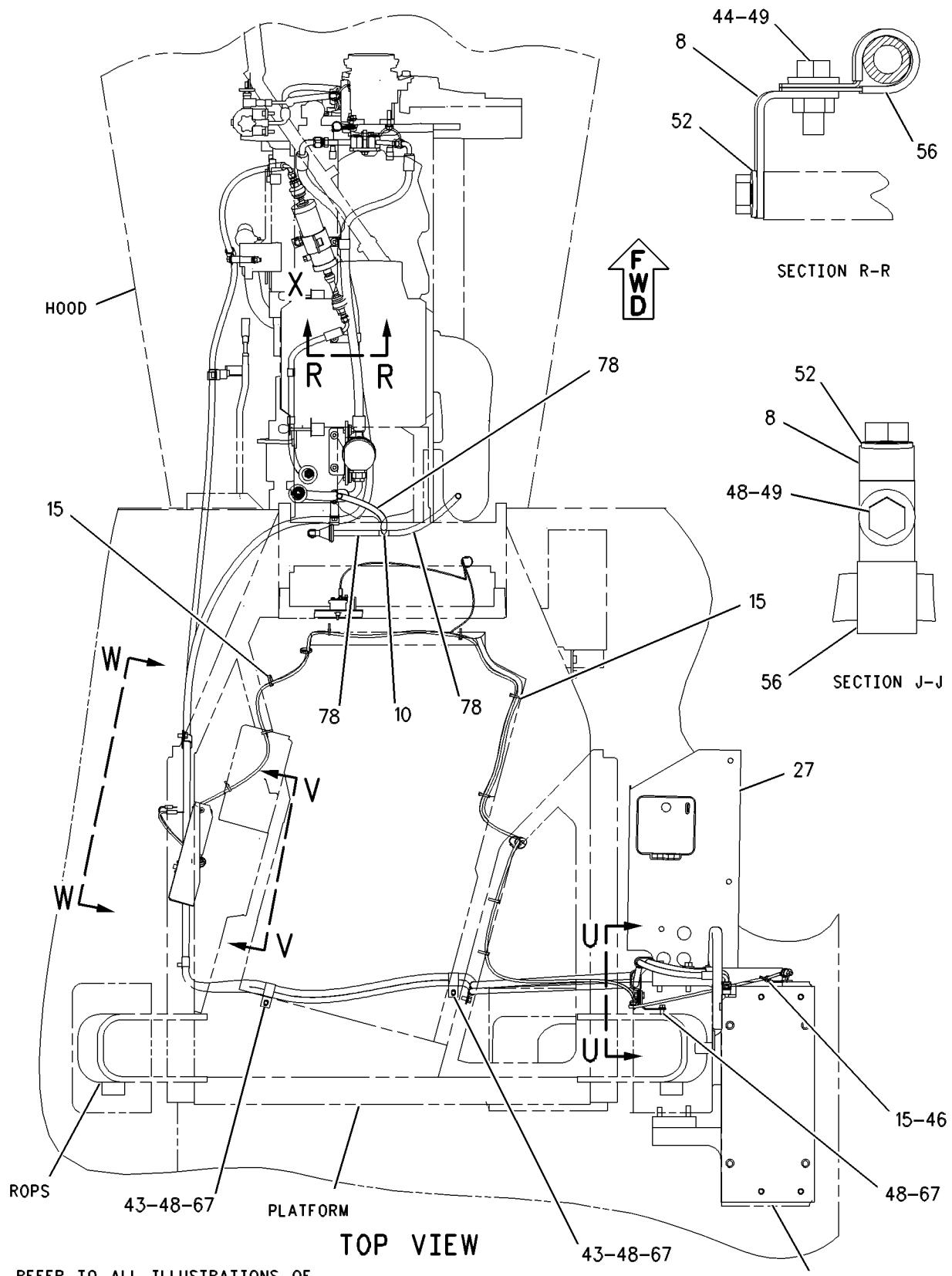


REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

# OPERATOR STATION

111-7265 LINES GP-AIR CONDITIONER (contd.)

i01542378



REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

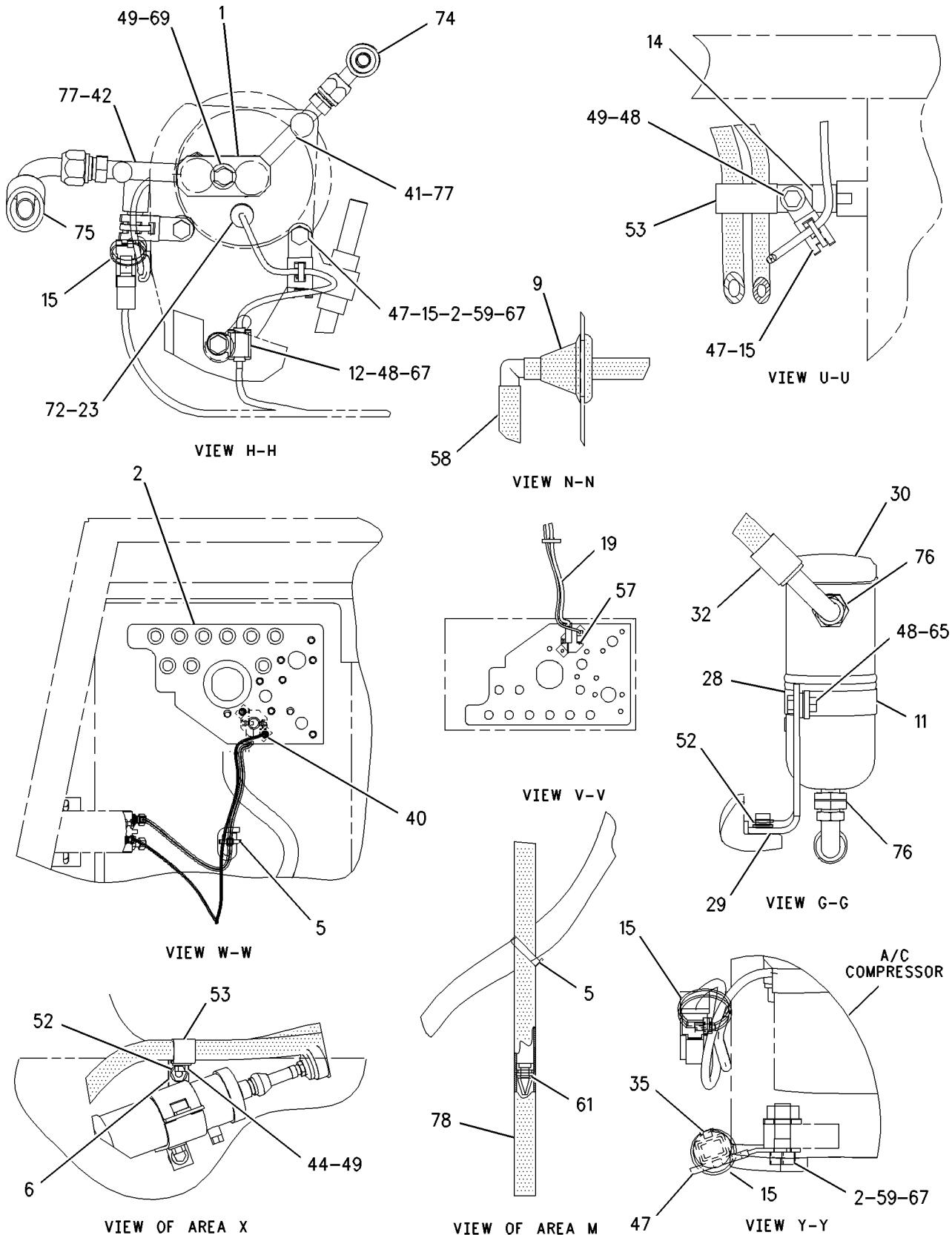
GRAPHIC #2

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# OPERATOR STATION

111-7265 LINES GP-AIR CONDITIONER (contd.)

i01542378



GRAPHIC #3

g00787133

# OPERATOR STATION

## 7T-2547 LINES GP - HEATER

S/N: 9EM1-UP

PART OF 112-6665, 200-8097 CAB AR  
AN ATTACHMENT

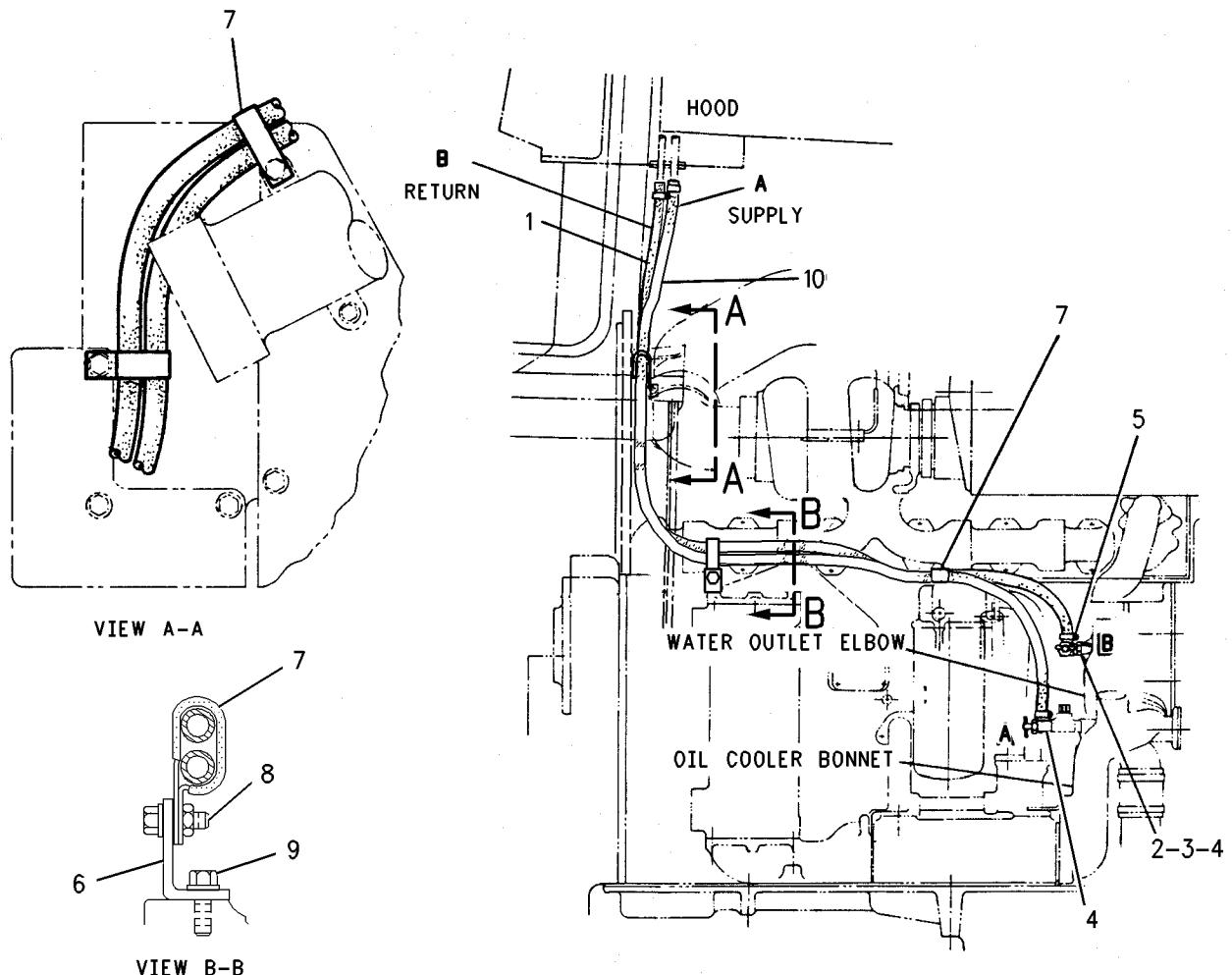
SMCS-7304

i01360177

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
BE	1	1	5P-0767	1	HOSE (200CM)						
	2	1	6B-4661	1	BUSHING-REDUCER						
	3	1	003-2143	1	ELBOW (90 DEGREE)						
	4	1	8F-8151	2	VALVE-SHUTOFF						
	5	1	5D-1026	4	CLAMP-HOSE						
	6	1	3V-1483	1	ANGLE						
	7	1	6D-1641	3	CLIP (25.0MM ID)						
	8	1	4L-6454	1	BOLT (3/8-16X1 IN)						
		1	8T-4896	2	WASHER-HARD (10.2X18.5X2.5MM THK)						
		1	6V-8801	1	NUT (3/8-16 THD)						
	9	1	5P-2424	1	BOLT (1/2-13X2.25 IN)						
		1	8T-4223	1	WASHER-HARD (3MM THK)						
BE	10	1	5P-0767	1	HOSE (210CM)						

B-USE AS REQUIRED

E-ORDER BY THE CENTIMETER



GRAPHIC #1

g00717921

# OPERATOR STATION

## 133-2259 MIRROR GP

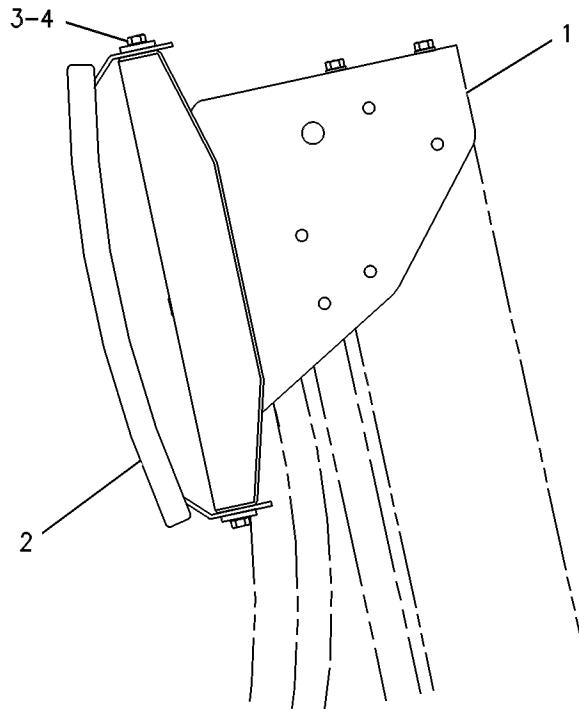
S/N: 9EM1-UP

PART OF 111-9797 AIR CONDITIONER AR  
AN ATTACHMENT

SMCS-7319

i01469090

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		133-2253	1	PLATE AS						
			1F-0750	2		NUT-WELD (3/8-16 THD)					
2	1		6V-9156	1	MIRROR						
3	1		7X-0575	2	WASHER-HARD (10.2X22.5X5MM THK)						
4	1		4L-6454	2	BOLT (3/8-16X1 IN)						



GRAPHIC #1

g00273453

# OPERATOR STATION

## 9P-9392 MIRROR GP - REAR VIEW

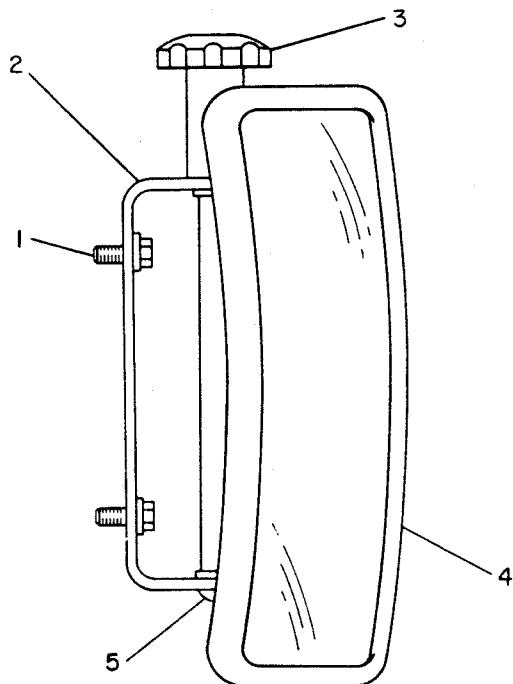
S/N: 9EM1-UP

PART OF 113-4260 ROPS GP

SMCS-7319

i00568406

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		5S-7379	2	BOLT (3/8-16X.875IN)						
			1	2	WASHER-HARD (3MM THK)						
2	1		9P-9390	1	BRACKET						
3	1		9P-9388	1	KNOB						
4	1		5P-6874	1	MIRROR						
5	1		5K-9179	1	BOLT-ROUND HEAD						



GRAPHIC #1

g00143265

# OPERATOR STATION

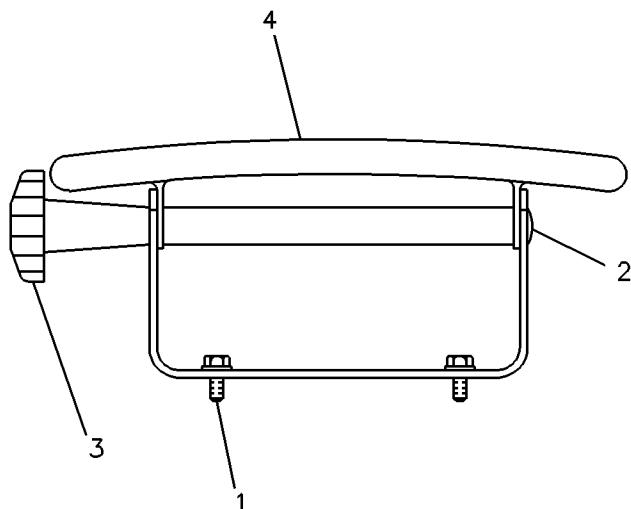
## 9U-8940 MIRROR GP - REAR VIEW

S/N: 9EM1-UP  
PART OF 119-6724 CAB AR  
AN ATTACHMENT

SMCS-7319

i01065577

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE			
					1	2	3	4	5	6
1	1		5S-7379	2	BOLT (3/8-16X.875IN)					
			5P-1075	2	WASHER					
2	1		5K-9179	1	BOLT-ROUND HEAD					
3	1		9P-9388	1	KNOB					
4	1		5P-6874	1	MIRROR					



GRAPHIC #1

g00227752

# OPERATOR STATION

## 105-9659 MIRROR GP - REAR VIEW

S/N: 9EM1-UP

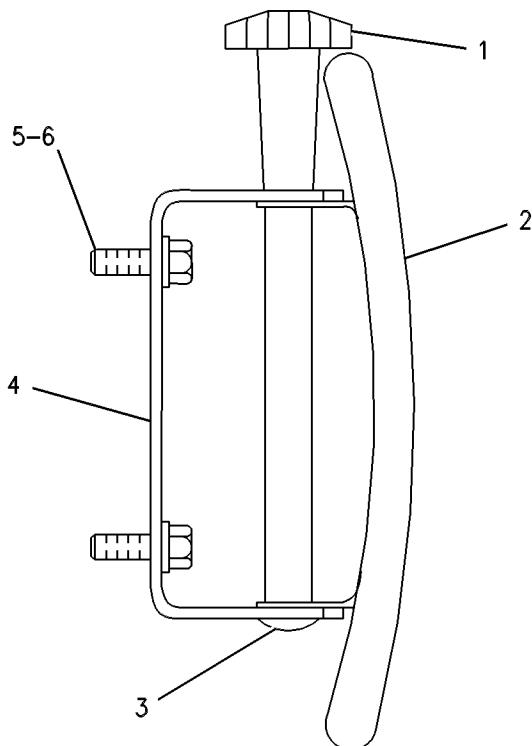
PART OF 198-7761 CAB AR  
AN ATTACHMENT

SMCS-7319

i00599732

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		9P-9388	1	KNOB						
2	1		5P-6874	1	MIRROR						
3	1		5K-9179	1	BOLT - ROUND HEAD						
4	1		6Y-5113	1	BRACKET						
5	1		8T-4121	2	WASHER (2.5MM THK)						
M	6	1	8T-4195	2	BOLT (M10X1.50X30MM)						

M-METRIC PART



GRAPHIC #1

g00254288

# OPERATOR STATION

## 7X-1751 MOTOR AS-WINDOW WIPER

S/N: 9EM1-UP

24 VOLT. RH DOOR

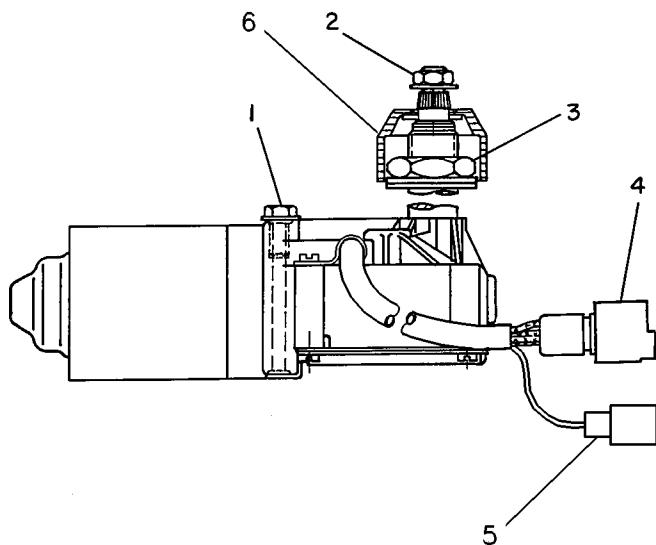
PART OF 9U-8938 WIPER GP-WINDOW  
AN ATTACHMENT

SMCS-7305

i01138745

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	5C-9553	2	BOLT (M6X1.0X16MM)						
			5P-0537	2	WASHER (2MM THK)						
M	2	1	6V-6889	1	NUT (M8X1.25 THD)						
			6A-9718	1	WASHER (M8.1X12.5X1MM THK)						
3	1	1	6A-9708	1	NUT						
			5C-8814	1	SEAL						
4	1	1	6A-9709	1	WASHER						
			6A-9710	1	WASHER (LEATHER)						
4	1	1	7N-8204	1	HOUSING-RECEPTACLE						
			7N-7780	2	PIN-CONNECTOR (BLADE)						
5	1	1	7N-7779	2	SOCKET						
			7K-4474	1	CONNECTOR AS						
6	1	1	7T-9096	1	CAP						

M-METRIC PART



GRAPHIC #1

g00209498

# OPERATOR STATION

## 7X-6112 MOTOR AS-WINDOW WIPER

S/N: 9EM1-UP

24 VOLT. LH DOOR

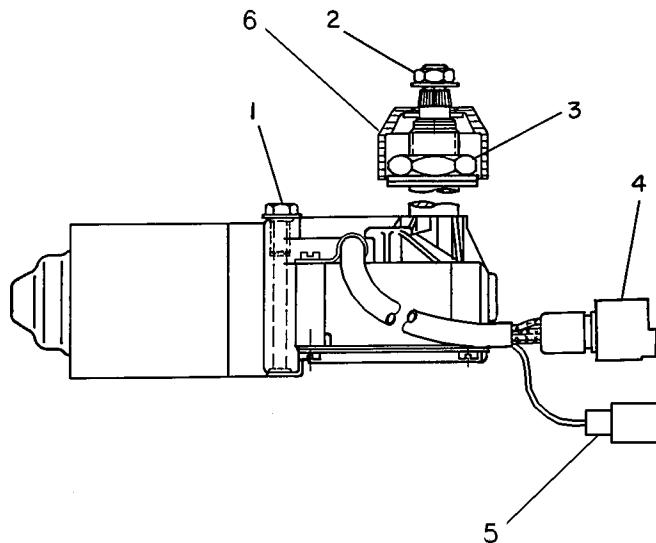
PART OF 9U-8938 WIPER GP-WINDOW  
AN ATTACHMENT

SMCS-7305

i01138742

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
M	1	1	5C-9553	2	BOLT (M6X1.0X16MM)						
			5P-0537	2	WASHER (2MM THK)						
M	2	1	6V-6889	1	NUT (M8X1.25 THD)						
			6A-9718	1	WASHER (M8.1X12.5X1MM THK)						
3	1	1	6A-9708	1	NUT						
			5C-8814	1	SEAL						
4	1	1	6A-9709	1	WASHER						
			6A-9710	1	WASHER (LEATHER)						
4	1	1	7N-8204	1	HOUSING-RECEPTACLE						
			7N-7780	2	PIN-CONNECTOR (BLADE)						
5	1	1	7N-7779	2	SOCKET						
			7K-4474	1	CONNECTOR AS						
6	1	1	7T-9096	1	CAP						

M-METRIC PART



GRAPHIC #1

g00209498

# OPERATOR STATION

## 117-1881 MOTOR AS-WINDOW WIPER

S/N: 9EM1-UP

24 VOLT

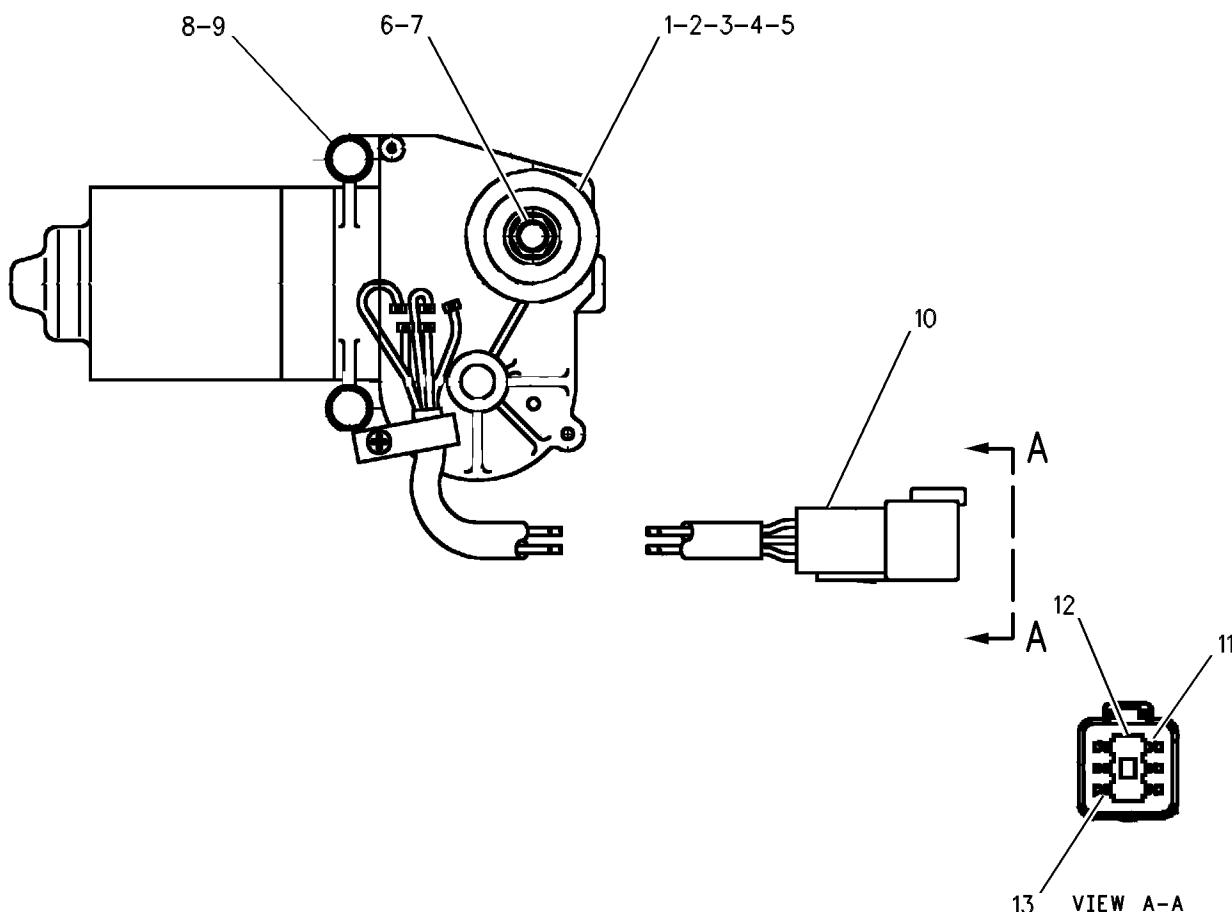
PART OF 158-7691 WIPER GP-WINDOW  
AN ATTACHMENT

SMCS-7305

i01094906

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		7T-9096	1	CAP						
2	1		5C-8814	1	SEAL						
3	1		6A-9708	1	NUT						
4	1		6A-9709	1	WASHER						
5	1		6A-9710	1	WASHER (LEATHER)						
M	6	1	6V-6889	1	NUT (M8X1.25 THD)						
	7	1	6A-9718	1	WASHER						
M	8	1	5C-9553	2	BOLT (M6X1.0X16MM)						
	9	1	5P-0537	2	WASHER (2MM THK)						
	10	1	102-8805	1	KIT-RECEPTACLE (6 PIN) (INCLUDES RECEPTACLE AS & WEDGE)						
	11	1	8T-8737	1	PLUG-SEAL						
	12	1	3E-3383	1	WEDGE-RECEPTACLE LOCK						
	13	1	8T-8729	5	PIN-CONNECTOR						

M-METRIC PART



GRAPHIC #1

g00535254

# OPERATOR STATION

## 117-1882 MOTOR AS-WINDOW WIPER

S/N: 9EM1-UP

24 VOLT

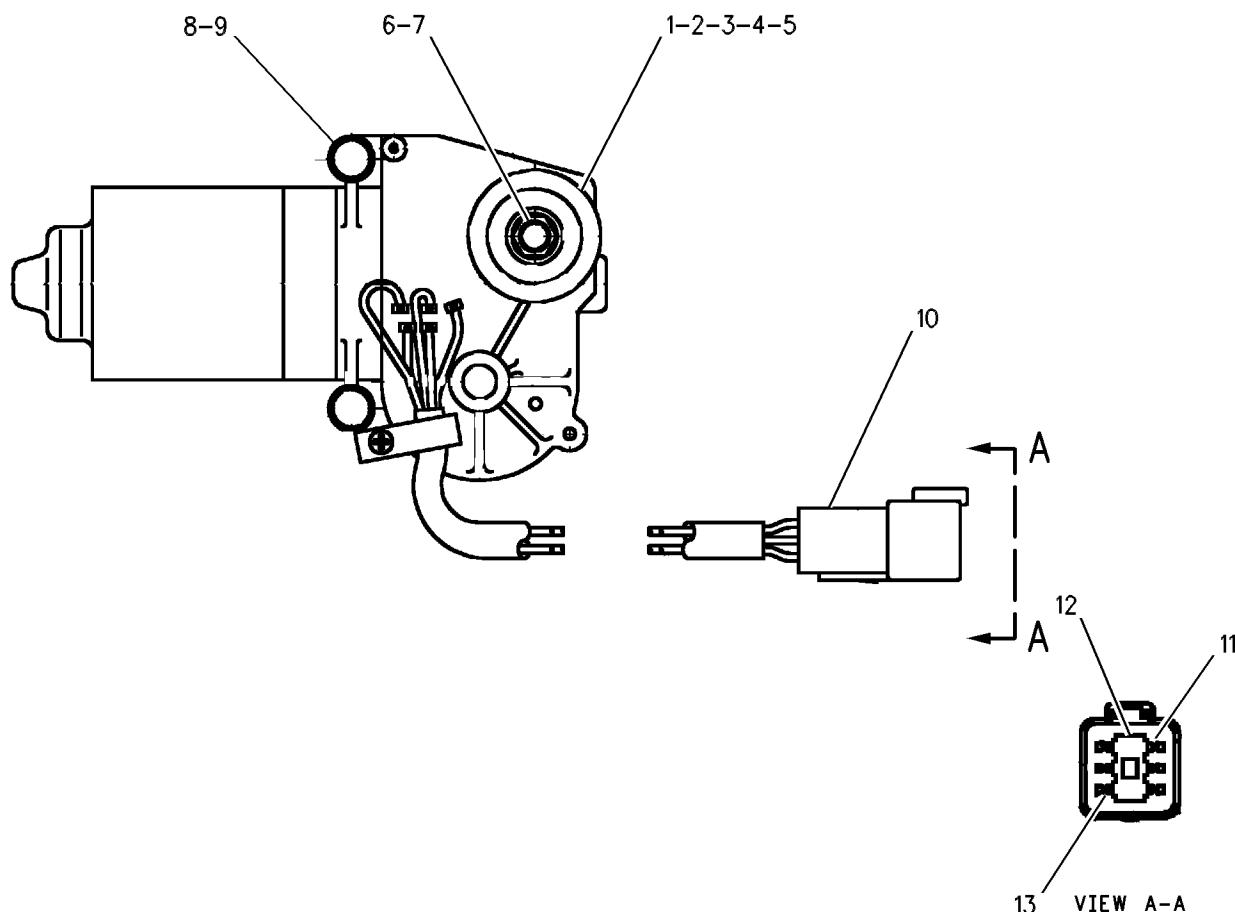
PART OF 158-7691 WIPER GP-WINDOW  
AN ATTACHMENT

SMCS-7305

i01094908

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		7T-9096	1	CAP						
2	1		5C-8814	1	SEAL						
3	1		6A-9708	1	NUT						
4	1		6A-9709	1	WASHER						
5	1		6A-9710	1	WASHER (LEATHER)						
M	6	1	6V-6889	1	NUT (M8X1.25 THD)						
	7	1	6A-9718	1	WASHER						
M	8	1	5C-9553	2	BOLT (M6X1.0X16MM)						
	9	1	5P-0537	2	WASHER (2MM THK)						
	10	1	102-8805	1	KIT-RECEPTACLE (6 PIN) (INCLUDES RECEPTACLE AS & WEDGE)						
	11	1	8T-8737	1	PLUG-SEAL						
	12	1	3E-3383	1	WEDGE-RECEPTACLE LOCK						
	13	1	8T-8729	5	PIN-CONNECTOR						

M-METRIC PART



GRAPHIC #1

g00535299

# OPERATOR STATION

## 147-7976 MOTOR GP-WINDOW WIPER

S/N: 9EM1-UP

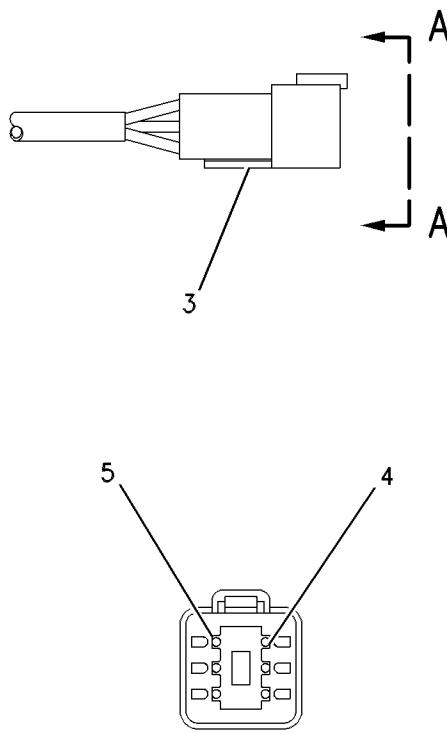
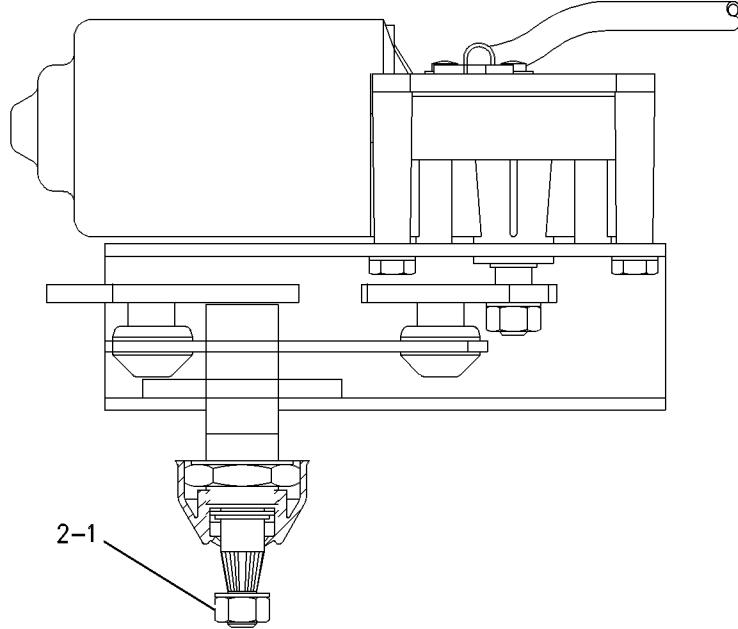
PART OF 158-7691 WIPER GP-WINDOW  
AN ATTACHMENT

SMCS-7305

i00862395

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	5C-7261	1	NUT (M8X1.25 THD)						
	2	1	3F-9556	1	LOCKWASHER (8.4MM ID)						
	3	1	102-8805	1	KIT-RECEPTACLE (INCLUDES RECEPTACLE AND WEDGE)						
	4	1	9G-3695	1	PLUG-SEAL						
	5	1	8T-8729	5	PIN-CONNECTOR						

M-METRIC PART



VIEW A-A

GRAPHIC #1

g00464037

# OPERATOR STATION

## 147-7979 MOTOR GP-WINDOW WIPER

S/N: 9EM1-UP

24 VOLT

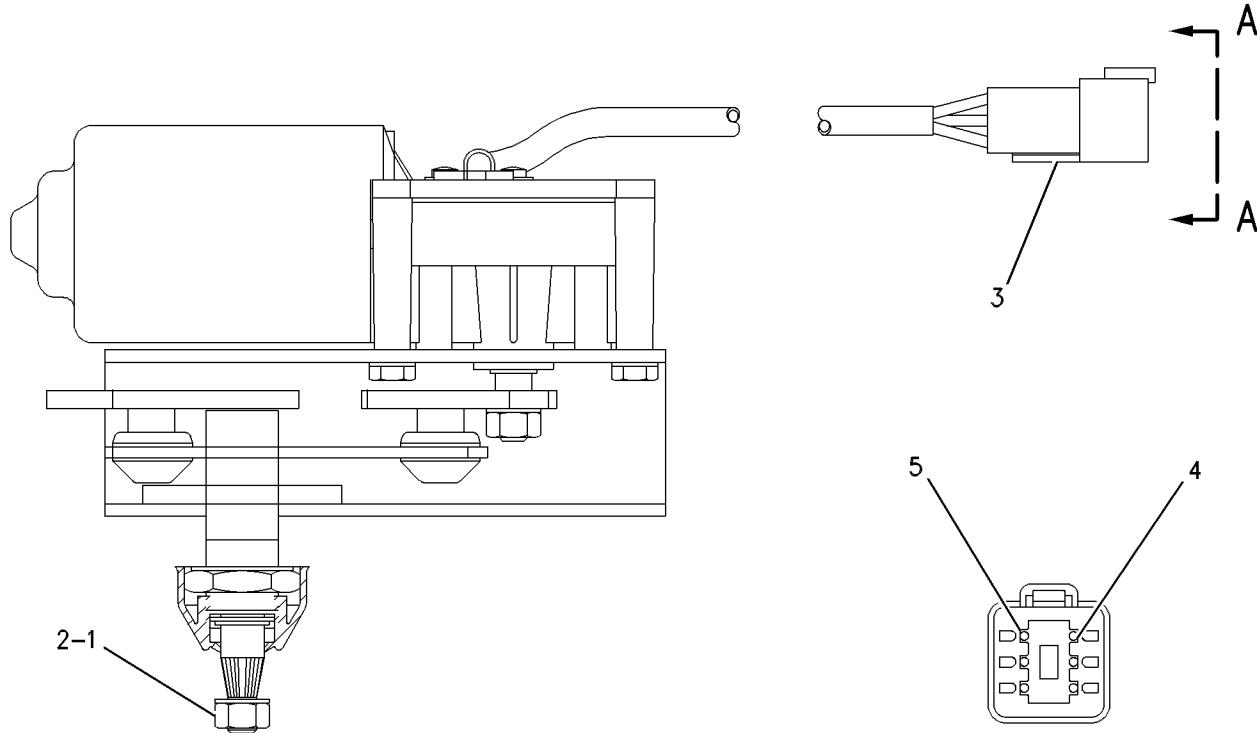
PART OF 158-7691 WIPER GP-WINDOW  
AN ATTACHMENT

SMCS-7305

i01082860

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
M	1	1	5C-7261	1	NUT (M8X1.25 THD)						
	2	1	3F-9556	1	LOCKWASHER (8.4MM ID)						
	3	1	102-8805	1	KIT-RECEPTACLE (6 PIN) (INCLUDES RECEPTACLE AS & WEDGE)						
	4	1	9G-3695	1	PLUG-SEAL						
	5	1	8T-8729	5	PIN-CONNECTOR						

M-METRIC PART



VIEW A-A

GRAPHIC #1

g00464037

# OPERATOR STATION

## 8E-1130 MOUNTING GP-CAB

S/N: 9EM1-1298

PART OF 112-6665, 200-8097 CAB AR  
AN ATTACHMENT

**SMCS-7266, 7301**

**i01443665**

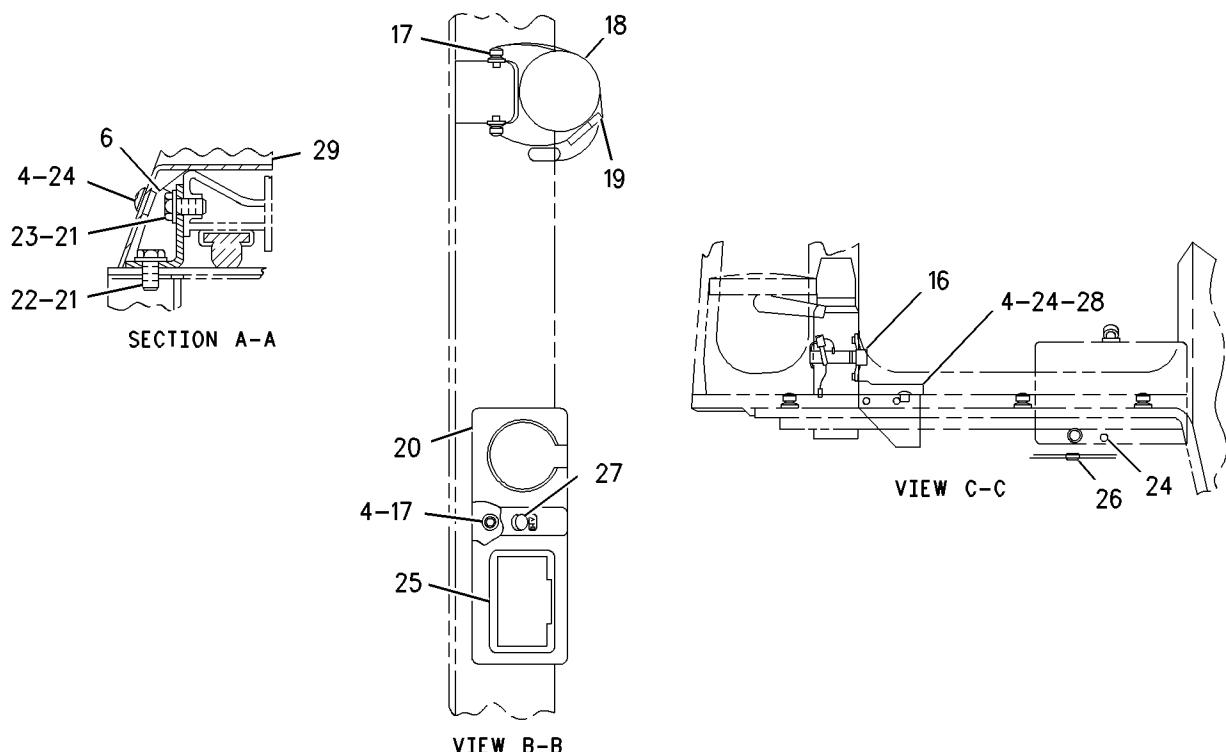
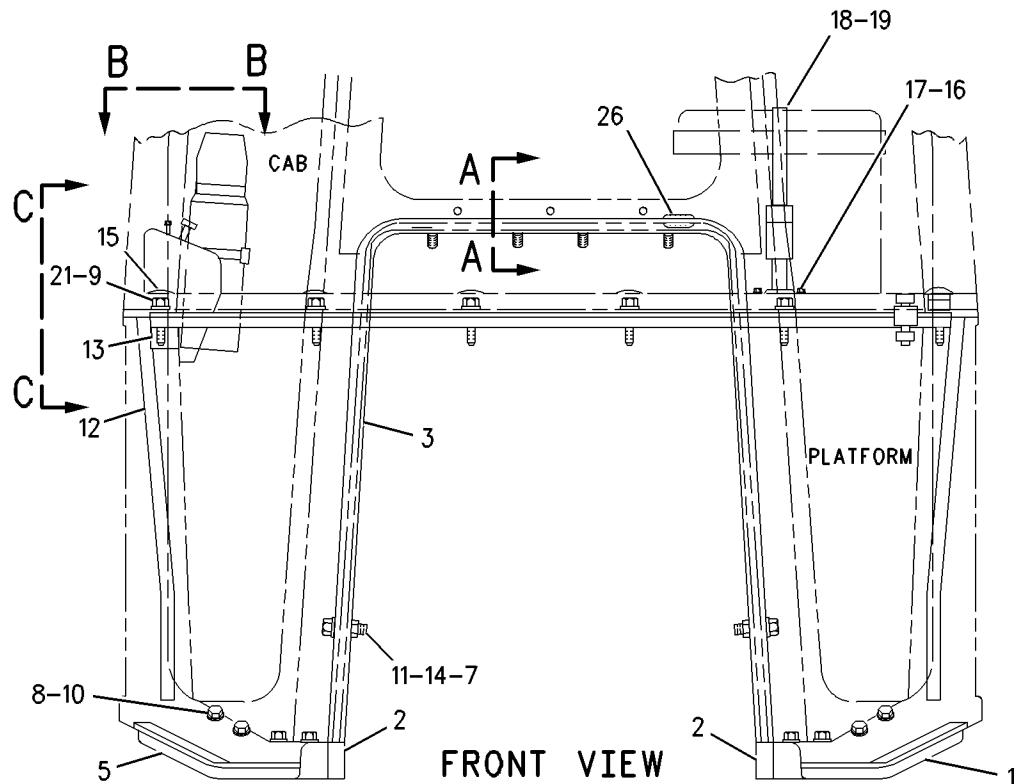
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	<b>9G-0986</b>	1	SEAL	
	2	1	<b>9G-0983</b>	2	SEAL	
D	3	1	<b>5P-7514</b>		SEAL (2.1M)	
	4	1	<b>9X-2038</b>	6	WASHER (7X19X2MM THK)	
	5	1	<b>9G-0990</b>	1	SEAL	
	6	1	<b>8E-1129</b>	1	BRACKET AS	
M		1	<b>6V-9632</b>	2	NUT-WELD (M6X1 THD)	
	7	1	<b>8C-3448</b>	2	BOLT (3/8-16X2.25)	
	8	1	<b>5P-1075</b>	8	WASHER-HARD (10.2X22.5X3MM THK)	
	9	1	<b>7X-7470</b>	12	BOLT-12 POINT HEAD (1/2-13X2 IN THD)	
	10	1	<b>030-8535</b>	8	BOLT-LOCKING (3/8-16X0.875 IN)	
	11	1	<b>6V-8801</b>	2	NUT (3/8-16 THD)	
D	12	1	<b>5P-7513</b>		SEAL (4.2M)	
	13	1	<b>8E-3303</b>	2	STRIP	
	14	1	<b>8T-2561</b>	4	WASHER-HARD (10.5X28.5X5MM THK)	
	15	1	<b>3E-4044</b>	11	PLUG	
	16	1	<b>6Y-0206</b>	4	RETAINER	
M	17	1	<b>9X-2042</b>	10	SCREW-TRUSS HEAD (M6X1X12MM)	
	18	1	<b>7G-4823</b>	2	STRAP	
	19	1	<b>7G-4824</b>	2	STRAP	
	20	1	<b>6I-8610</b>	1	HOLDER	
	21	1	<b>7X-3392</b>	31	WASHER-HARD (13.5X22.5X3MM THK)	
	22	1	<b>9X-2508</b>	4	BOLT-12 POINT HEAD (1/2-13X1.25 IN)	
	23	1	<b>3E-6918</b>	3	BOLT (1/2-13X1 IN)	
M	24	1	<b>9X-2045</b>	5	SCREW-TRUSS HEAD (M6X1X20MM)	
	25	1	<b>5P-5454</b>	1	ASHTRAY	
		1	<b>5P-5824</b>	1	HOLDER-ASH TRAY	
	26	1	<b>8P-8540</b>	3	GROMMET	
	27	1	<b>9W-0335</b>	1	LIGHTER AS (CIGAR)(24 VOLT)	
	28	1	<b>6I-9428</b>	1	COVER	
	29	1	<b>6I-9429</b>	1	COVER	

D-ORDER BY THE METER  
M-METRIC PART

# OPERATOR STATION

8E-1130 MOUNTING GP-CAB (contd.)

i01443665



GRAPHIC #1

g00730947

# OPERATOR STATION

## 8E-1130 MOUNTING GP-CAB

S/N: 9EM1254-UP

PART OF 112-6665, 200-8097 CAB AR

AN ATTACHMENT

**SMCS-7266, 7301**

**i01626069**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	<b>9G-0986</b>	1	SEAL	
	2	1	<b>9G-0983</b>	2	SEAL	
BD	3	1	<b>5P-7514</b>		SEAL	
C	4	1	<b>9X-2038</b>	4	WASHER (7X19X2MM THK)	
	5	1	<b>9G-0990</b>	1	SEAL	
	6	1	<b>8E-1129</b>	1	BRACKET AS	
M		1	<b>6V-9632</b>	2	NUT-WELD (M6X1 THD)	
	7	1	<b>8C-3448</b>	2	BOLT (3/8-16X2.25)	
	8	1	<b>5P-1075</b>	8	WASHER-HARD (10.2X22.5X3MM THK)	
	9	1	<b>7X-7470</b>	12	BOLT-12 POINT HEAD (1/2-13X2 IN THD)	
	10	1	<b>030-8535</b>	8	BOLT-LOCKING (3/8-16X0.875 IN)	
	11	1	<b>6V-8801</b>	2	NUT (3/8-16 THD)	
BD	12	1	<b>5P-7513</b>		SEAL	
	13	1	<b>8E-3303</b>	2	STRIP	
	14	1	<b>8T-2561</b>	4	WASHER-HARD (10.5X28.5X5MM THK)	
	15	1	<b>3E-4044</b>	11	PLUG	
	16	1	<b>6Y-0206</b>	4	RETAINER	
M	17	1	<b>9X-2042</b>	10	SCREW-TRUSS HEAD (M6X1X12MM)	
	18	1	<b>7G-4823</b>	2	STRAP	
	19	1	<b>7G-4824</b>	2	STRAP	
	20	1	<b>6I-8610</b>	1	HOLDER	
	21	1	<b>7X-3392</b>	31	WASHER-HARD (13.5X22.5X3MM THK)	
	22	1	<b>9X-2508</b>	4	BOLT-12 POINT HEAD (1/2-13X1.25 IN)	
	23	1	<b>3E-6918</b>	3	BOLT (1/2-13X1 IN)	
CM	24	1	<b>9X-2045</b>	3	SCREW-TRUSS HEAD (M6X1X20MM)	
	25	1	<b>5P-5454</b>	1	ASHTRAY	
		1	<b>5P-5824</b>	1	HOLDER-ASH TRAY	
	26	1	<b>8P-8540</b>	3	GROMMET	
	27	1	<b>9W-0335</b>	1	LIGHTER AS (CIGAR)(24 VOLT)	
	28	1	<b>6I-9429</b>	1	COVER	

B-USE AS REQUIRED

C-CHANGE FROM PREVIOUS TYPE

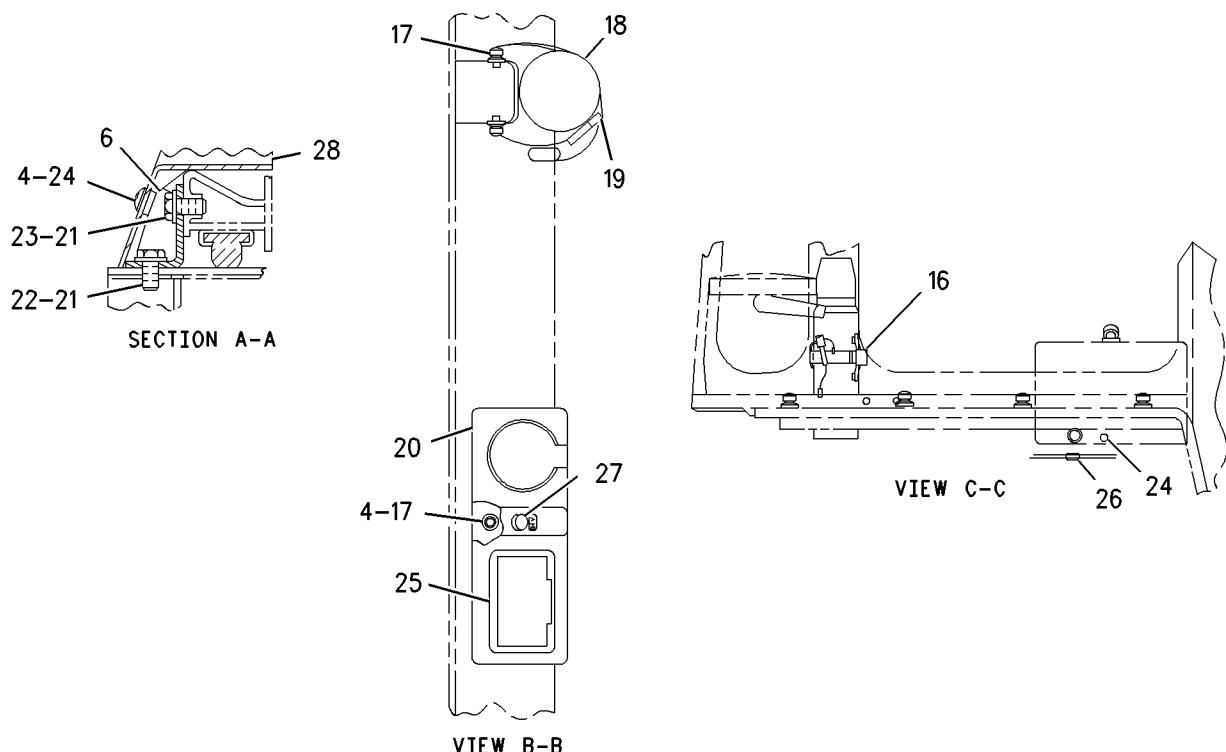
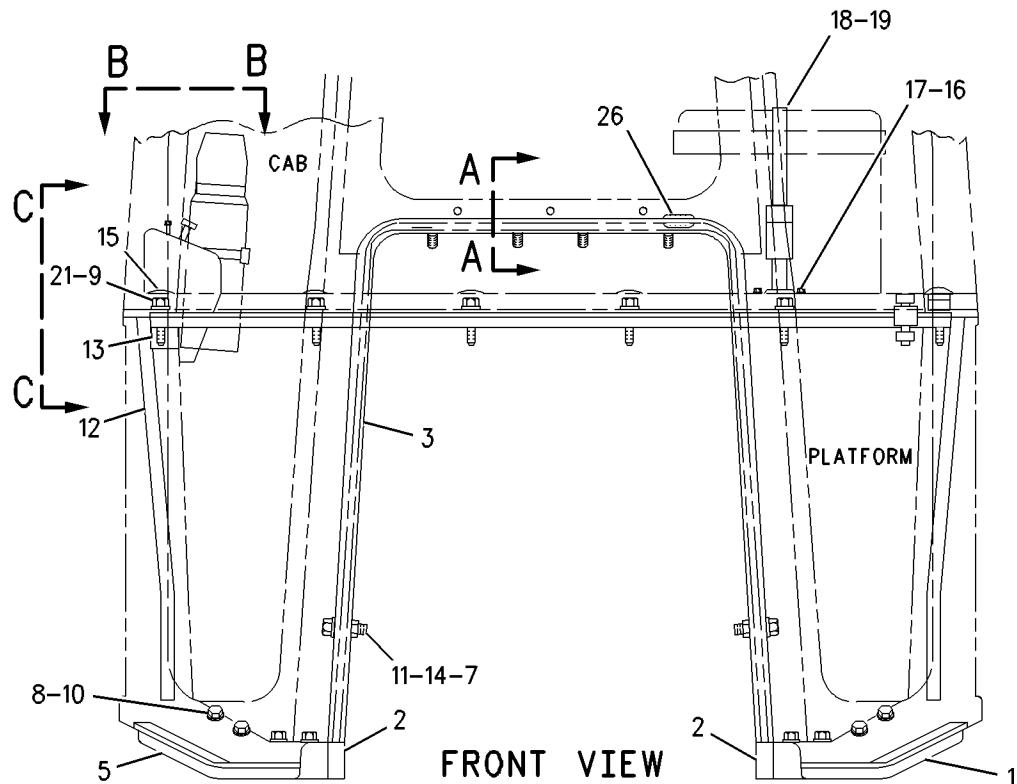
D-ORDER BY THE METER

M-METRIC PART

# OPERATOR STATION

8E-1130 MOUNTING GP-CAB (contd.)

i01626069



GRAPHIC #1

g00803522

# OPERATOR STATION

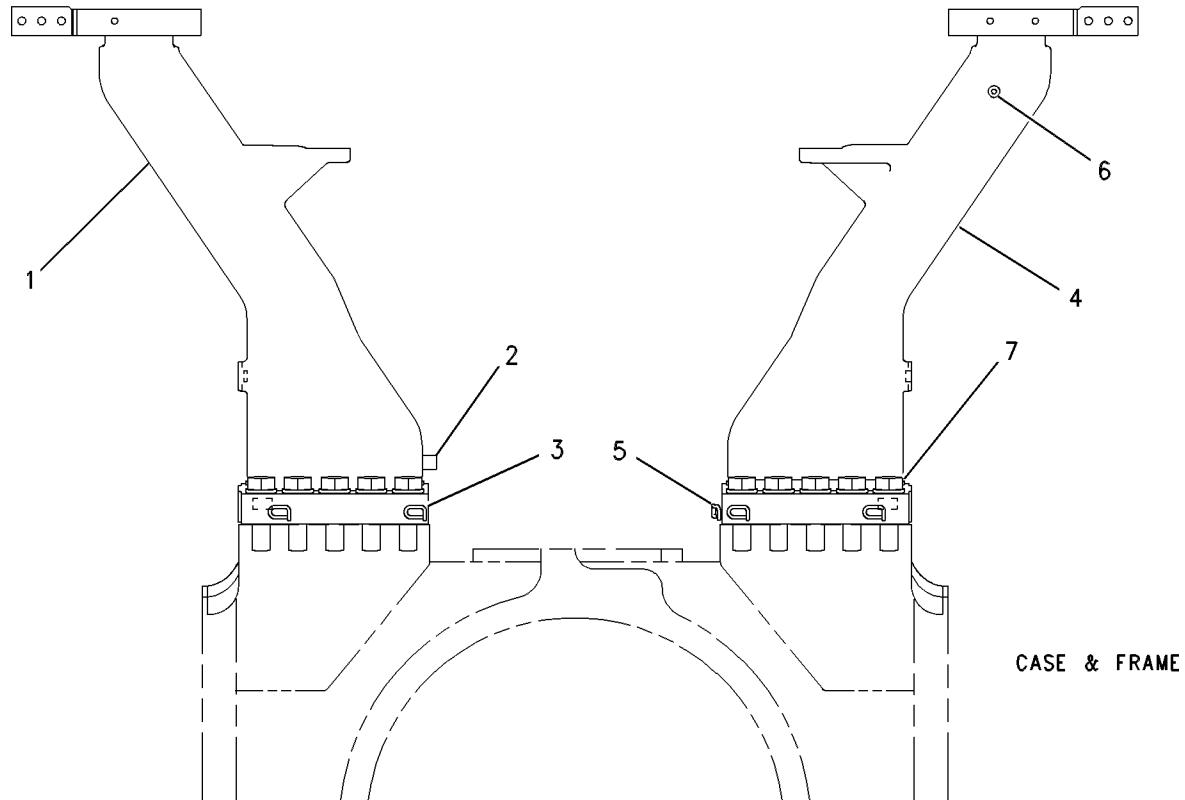
## 118-5244 MOUNTING GP - ROPS

S/N: 9EM1-UP

SMCS-7266

i01040015

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		118-5245	1	SUPPORT AS-ROPS	
2	1		3Y-7829	1	BOSS (3/8-16 THD)	
3	1		7T-1099	2	LINK	
4	1		118-5246	1	SUPPORT AS-ROPS	
5	1		7T-1099	3	LINK	
6	1		8F-9836	1	LUG (3/8-16 THD)	
7	1		1S-6560	20	BOLT (1 1/4-7X4.25IN)	
	1		4K-0684	20	WASHER-HARD (6MM THK)	



GRAPHIC #1

g00537595

# OPERATOR STATION

## 128-5054 OPERATOR AR

S/N: 9EM1-UP

AN ATTACHMENT

TYPE 1

**SMCS-7225, 7301, 7335**

**i01396563**

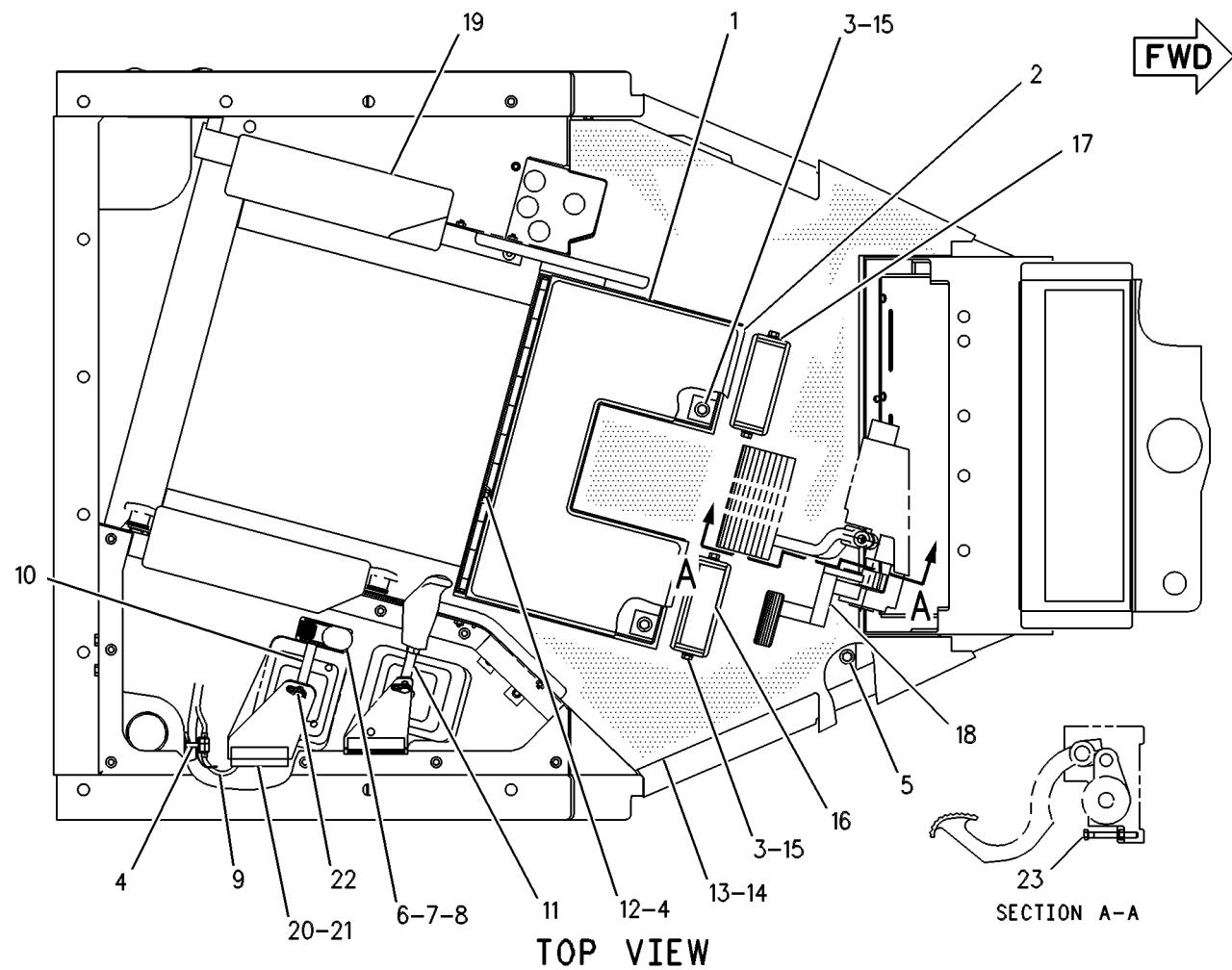
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	<b>121-4067</b>	1	TREAD	
	2	1	<b>121-4052</b>	1	BOX AS	
	1		<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)	
	1		<b>2V-5019</b>	1	SPRING	
	1		<b>3W-1547</b>	1	STRIKER AS	
	1		<b>5P-8167</b>	2	BOLT (3/8-16X.625 IN)	
	1		<b>8T-4896</b>	2	WASHER-HARD (10.2X18.5X2.5MM THK)	
	1		<b>121-4057</b>	1	HINGE	
3	1		<b>5S-7379</b>	10	BOLT (3/8-16X.875 IN)	
4	1		<b>7K-1181</b>	1	STRAP-CABLE	
5	1		<b>121-4061</b>	1	FLOORPLATE AS	
	1		<b>1F-0748</b>	4	NUT-WELD (1/2-13 THD)	
	1		<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)	
Y	6	1	<b>2G-3970</b>	1	SWITCH & HANDLE GP	946
7	1		<b>3V-1965</b>	1	ADAPTER	
8	1		<b>1D-5118</b>	1	NUT-JAM (5/8-11 THD)	
9	1		<b>1Z-9864</b>	1	HARNESS AS	
10	1		<b>121-9567</b>	1	LEVER AS	
11	1		<b>121-9565</b>	1	LEVER AS	
12	1		<b>4L-6454</b>	2	BOLT (3/8-16X1 IN)	
13	1		<b>121-4060</b>	1	FLOOR MAT	
14	1		<b>122-0278</b>	1	FLOOR MAT	
15	1		<b>8T-4896</b>	12	WASHER-HARD (10.2X18.5X2.5MM THK)	
16	1		<b>1Q-3783</b>	2	PLATE AS	
17	1		<b>122-0707</b>	2	PLATE AS	
					(EACH INCLUDES)	
	1		<b>1F-0750</b>	6	NUT-WELD (3/8-16 THD)	
18	1		<b>121-4059</b>	1	PEDAL AS	
Y	19	1	<b>122-1136</b>	1	ARMREST AR	988
20	1		<b>130-2291</b>	1	PLATE AS	
21	1		<b>109-0628</b>	1	HINGE	
22	1		<b>4B-4463</b>	1	RIVET	
	1		<b>122-6133</b>	2	WASHER	
23	1		<b>9X-8871</b>	1	BOLT	

Y- SEPARATE ILLUSTRATION

# OPERATOR STATION

128-5054 OPERATOR AR (contd.)

i01396563



GRAPHIC #1

g00273305

# OPERATOR STATION

## 128-5054 OPERATOR AR

S/N: 9EM1-UP

AN ATTACHMENT

TYPE 2

SMCS-7225, 7301, 7335

i01513238

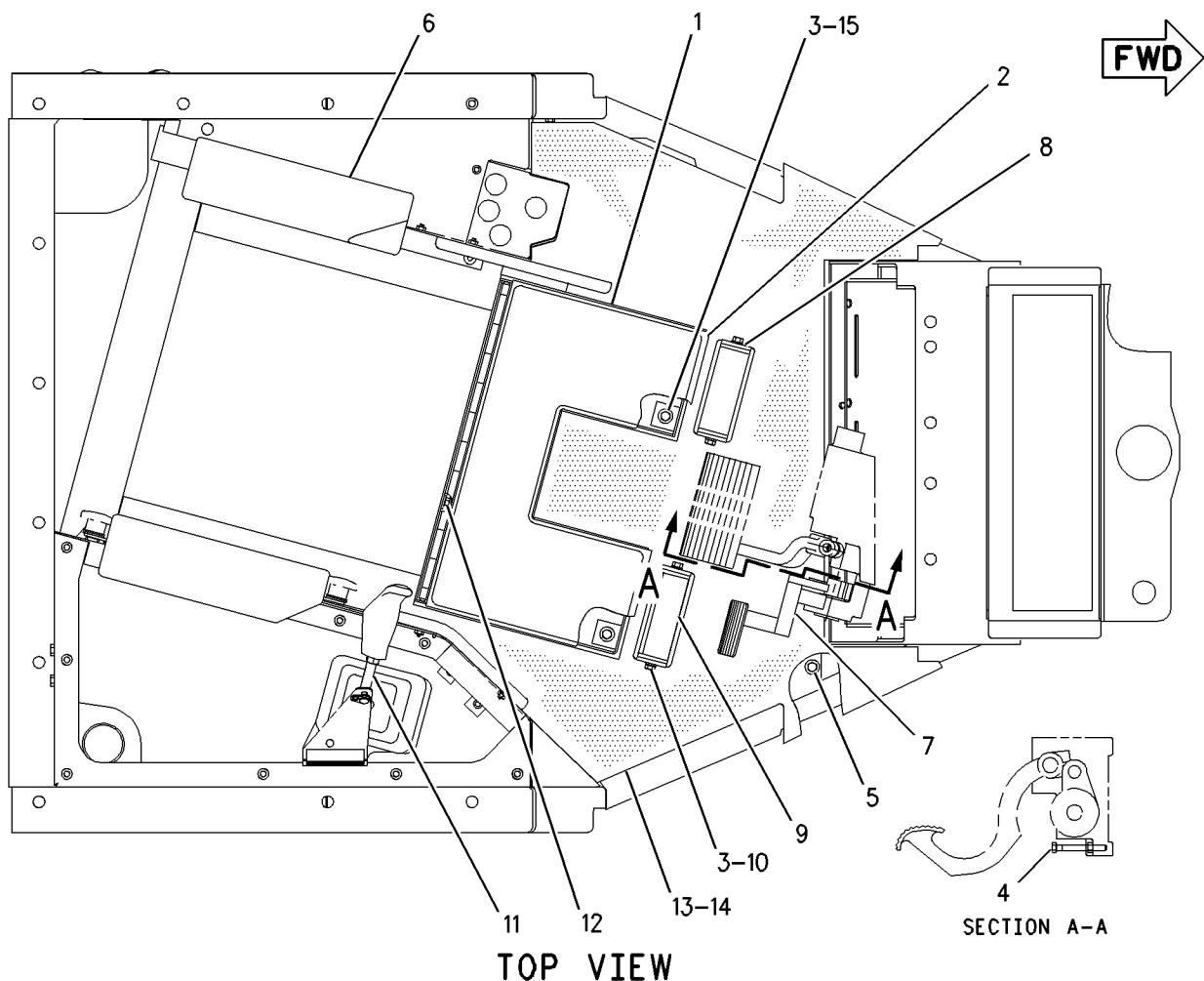
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		<b>121-4067</b>	1	TREAD	
2	1		<b>121-4052</b>	1	BOX AS	
	1		<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)	
	1		<b>2V-5019</b>	1	SPRING	
	1		<b>3W-1547</b>	1	STRIKER AS	
	1		<b>5P-8167</b>	2	BOLT (3/8-16X0.625 IN)	
	1		<b>8T-4896</b>	2	WASHER-HARD (10.2X18.5X2.5MM THK)	
	1		<b>121-4057</b>	1	HINGE	
3	1		<b>5S-7379</b>	10	BOLT (3/8-16X0.875 IN)	
4	1		<b>9X-8871</b>	1	BOLT	
5	1		<b>121-4061</b>	1	FLOORPLATE AS	
	1		<b>1F-0748</b>	4	NUT-WELD (1/2-13 THD)	
	1		<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)	
Y	6	1	<b>122-1136</b>	1	ARMREST AR	988
7	1		<b>121-4059</b>	1	PEDAL AS	
8	1		<b>122-0707</b>	2	PLATE AS	
					(EACH INCLUDES)	
	1		<b>1F-0750</b>	6	NUT-WELD (3/8-16 THD)	
9	1		<b>1Q-3783</b>	2	PLATE AS	
10	1		<b>8T-4896</b>	12	WASHER-HARD (10.2X18.5X2.5MM THK)	
11	1		<b>121-9565</b>	1	LEVER AS	
12	1		<b>4L-6454</b>	2	BOLT (3/8-16X1 IN)	
13	1		<b>121-4060</b>	1	FLOOR MAT	
14	1		<b>122-0278</b>	1	FLOOR MAT	

Y - SEPARATE ILLUSTRATION

# OPERATOR STATION

128-5054 OPERATOR AR (contd.)

i01513238



GRAPHIC #1

g00738690

# OPERATOR STATION

## 128-5054 OPERATOR AR

S/N: 9EM1-UP

AN ATTACHMENT

TYPE 3

**SMCS-7225, 7301, 7335**

**i01606874**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
1	1		<b>121-4067</b>	1	TREAD	
2	1		<b>121-4052</b>	1	BOX AS	
	1		<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)	
	1		<b>2V-5019</b>	1	SPRING	
	1		<b>3W-1547</b>	1	STRIKER AS	
	1		<b>5P-8167</b>	2	BOLT (3/8-16X0.625 IN)	
	1		<b>8T-4896</b>	2	WASHER-HARD (10.2X18.5X2.5MM THK)	
	1		<b>121-4057</b>	1	HINGE	
3	1		<b>5S-7379</b>	10	BOLT (3/8-16X0.875 IN)	
4	1		<b>9X-8871</b>	1	BOLT	
5	1		<b>121-4061</b>	1	FLOORPLATE AS	
	1		<b>1F-0748</b>	4	NUT-WELD (1/2-13 THD)	
	1		<b>1F-0750</b>	2	NUT-WELD (3/8-16 THD)	
Y	6	1	<b>122-1136</b>	1	ARMREST AR	988
7	1		<b>121-4059</b>	1	PEDAL AS	
8	1		<b>122-0707</b>	2	PLATE AS	
					(EACH INCLUDES)	
	1		<b>1F-0750</b>	6	NUT-WELD (3/8-16 THD)	
9	1		<b>1Q-3783</b>	2	PLATE AS	
10	1		<b>8T-4896</b>	12	WASHER-HARD (10.2X18.5X2.5MM THK)	
11	1		<b>121-9565</b>	1	LEVER AS	
12	1		<b>4L-6454</b>	2	BOLT (3/8-16X1 IN)	
C	13	1	<b>199-7097</b>	1	FLOOR MAT	
C	14	1	<b>199-7096</b>	1	FLOOR MAT	

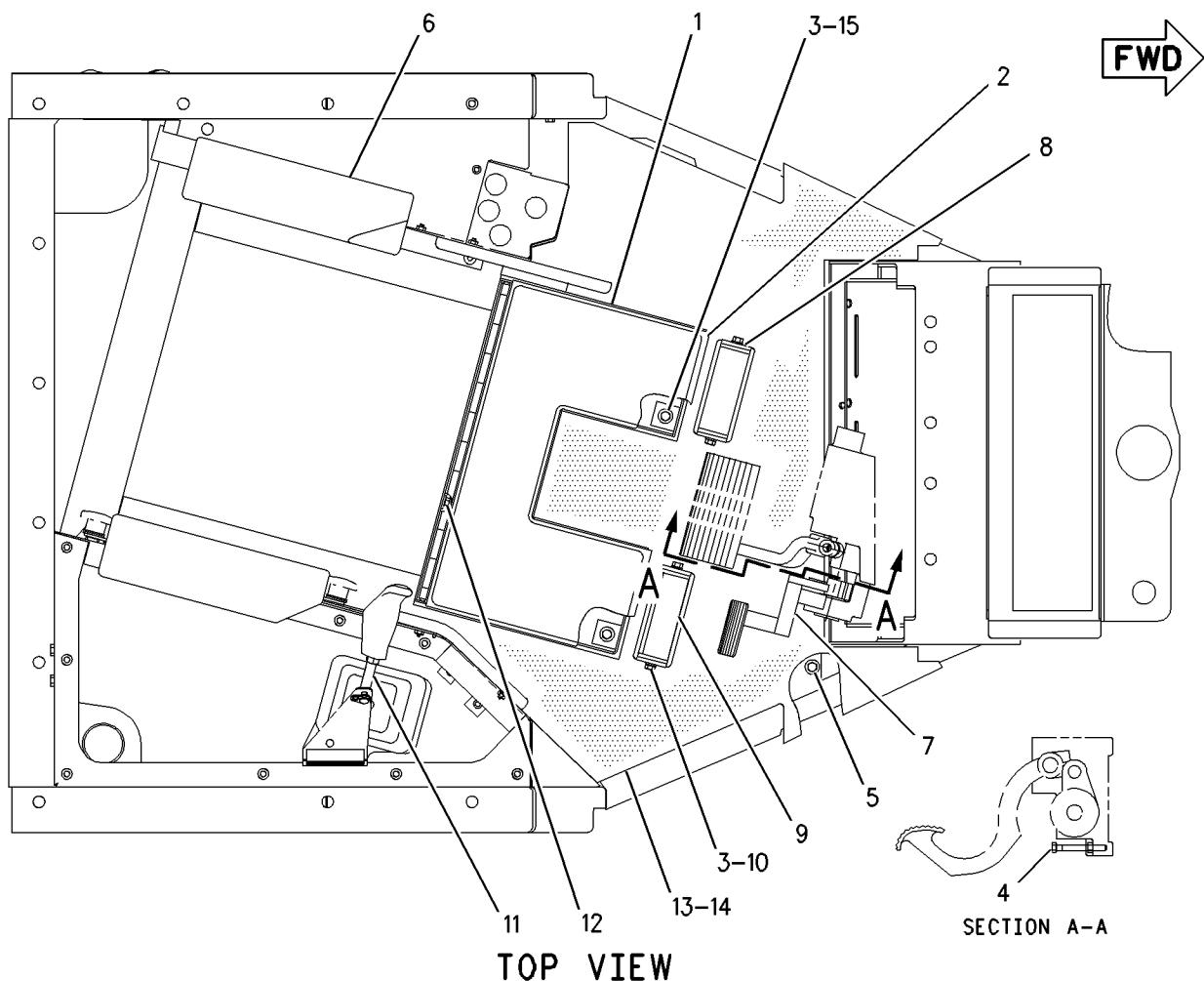
C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

128-5054 OPERATOR AR (contd.)

i01606874



GRAPHIC #1

g00763262

# OPERATOR STATION

## 178-0605 PAN GP-BACKREST

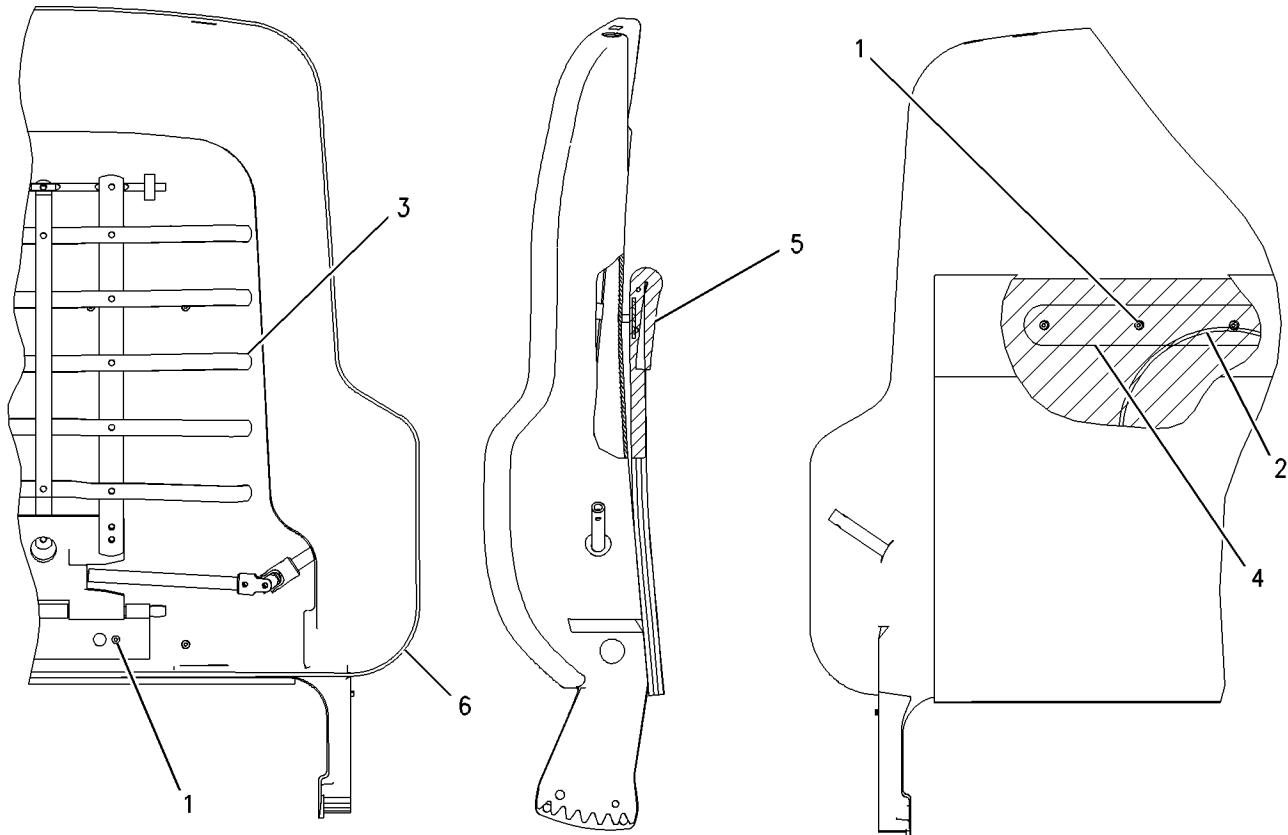
S/N: 9EM1049-UP

PART OF 180-7305, 180-7307 PAN GP-BACKREST  
ALSO AN ATTACHMENT

SMCS-7312

i01437598

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		4K-9429	8	RIVET - POP						
2	1		5P-7957	1	LANYARD						
3	1		136-1543	1	PLATE AS-LUMBAR						
4	1		173-2052	1	RETAINER						
5	1		178-7907	1	HOLDER						
6	1		177-4930	1	PAN AS-BACK						



GRAPHIC #1

g00716497

# OPERATOR STATION

## 180-7305 PAN GP - BACKREST

S/N: 9EM1049-UP

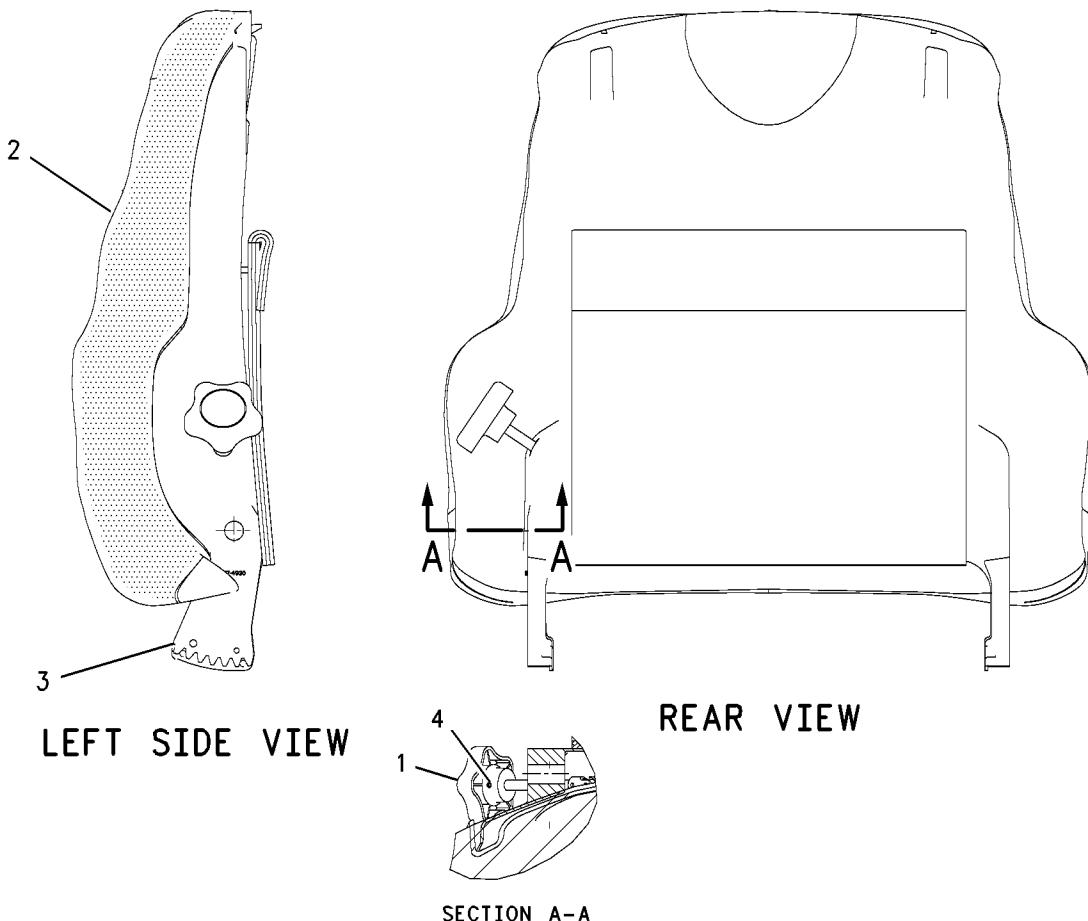
PART OF 180-7304 SEAT GP  
ALSO AN ATTACHMENT

SMCS-7312

i01437595

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
1 2 3 4 5 6 (PRODUCT LEVEL)						
1	1		164-4883	1	KNOB - LUMBAR	
2	1		169-0697	1	CUSHION AS	
	1		184-2300	1	FILM	
Y	3	1	178-0605	1	PAN GP-BACKREST	1100
	4	1	8T-7566	1	PIN-SPRING	

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

g00678939

# OPERATOR STATION

## 180-7307 PAN GP-BACKREST

S/N: 9EM1254-UP

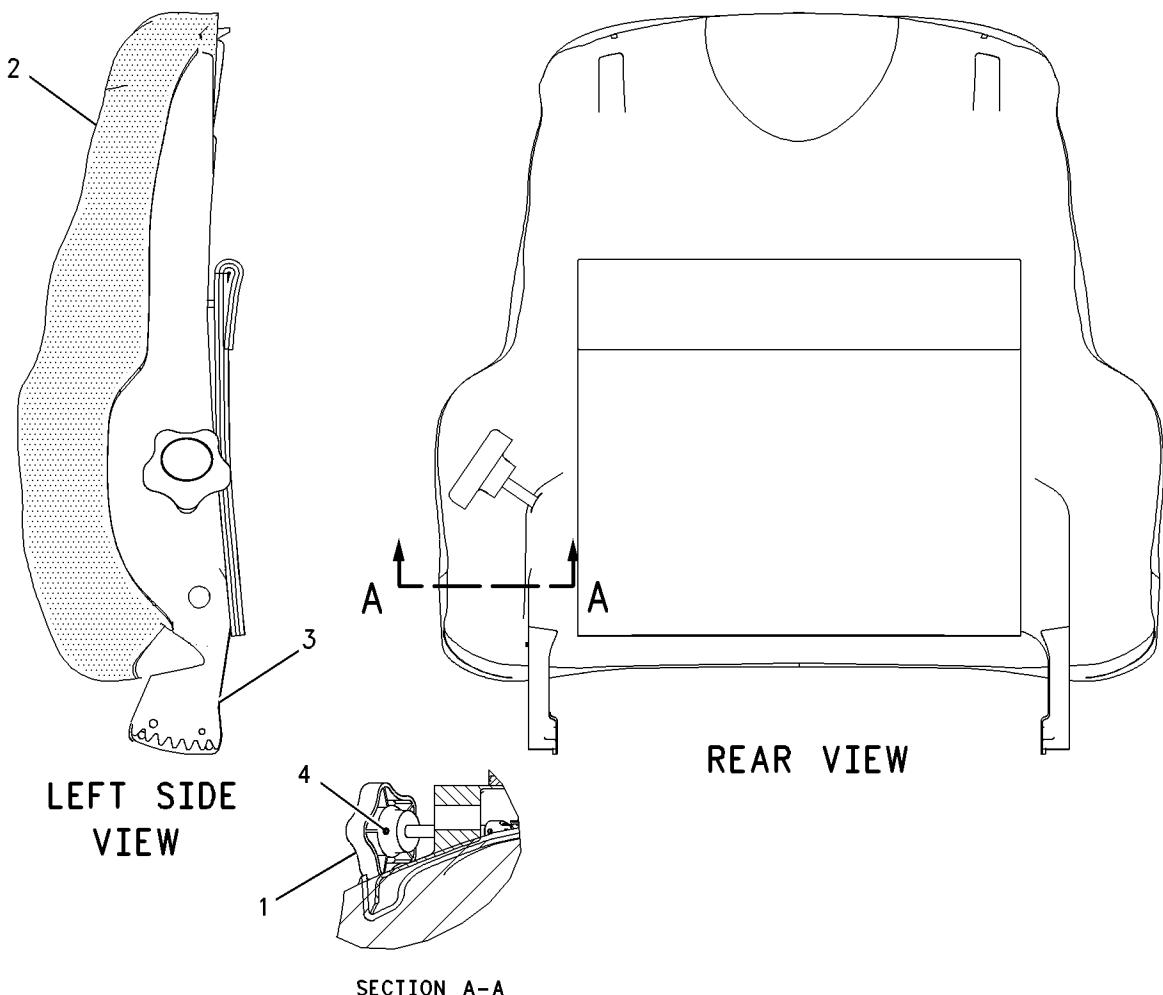
PART OF 180-7306 SEAT GP  
AN ATTACHMENT

SMCS-7312

i01582200

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		164-4883	1	KNOB - LUMBAR						
2	1		169-1024	1	CUSHION AS - BACK						
Y	3	1	178-0605	1	PAN GP-BACKREST						1100
	4	1	8T-7566	1	PIN-SPRING						

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00687153

# OPERATOR STATION

## 8Y-5992 PAN GP - SEAT-BOTTOM

S/N: 9EM1-1048

PART OF 8Y-5976, 8Y-5986 SEAT GP  
ALSO AN ATTACHMENT

**SMCS-7312**

**i01114003**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	<b>8Y-5892</b>	1	PAN AS-SEAT	
JL	2	1	<b>3K-4897</b>	4	PIN-SPRING	
N	3	1	<b>9M-5733</b>	1	RIVET-POP (4.78MM DIA)	
N	4	1	<b>6V-2456</b>	2	RING-RETAINING	
JZ	5	1		1	ROD AS	
JLZ	6	1		2	SPRING	
LZ	7	1		1	ROD AS	
LZ	8	1		1	BUSHING-TERMINAL	
NZ	9	1		1	BRACKET	
NZ	10	1		1	CABLE AS	
NZ	11	1		1	PIN	
NZ	12	1		1	ADJUSTER AS	
<b>AVAILABLE REPAIR KIT(S) :</b>						
J			<b>8Y-5995</b>	1	KIT-SEAT TILT (INCLUDES BUSHING & LOCKPIN)	
L			<b>8Y-5998</b>	1	KIT-BACK TILT (INCLUDES BUSHING)	
N			<b>8Y-5999</b>	1	KIT-ADJUSTER	

J-KIT MARKED J INCLUDES PART(S) MARKED J

L-KIT MARKED L INCLUDES PART(S) MARKED L

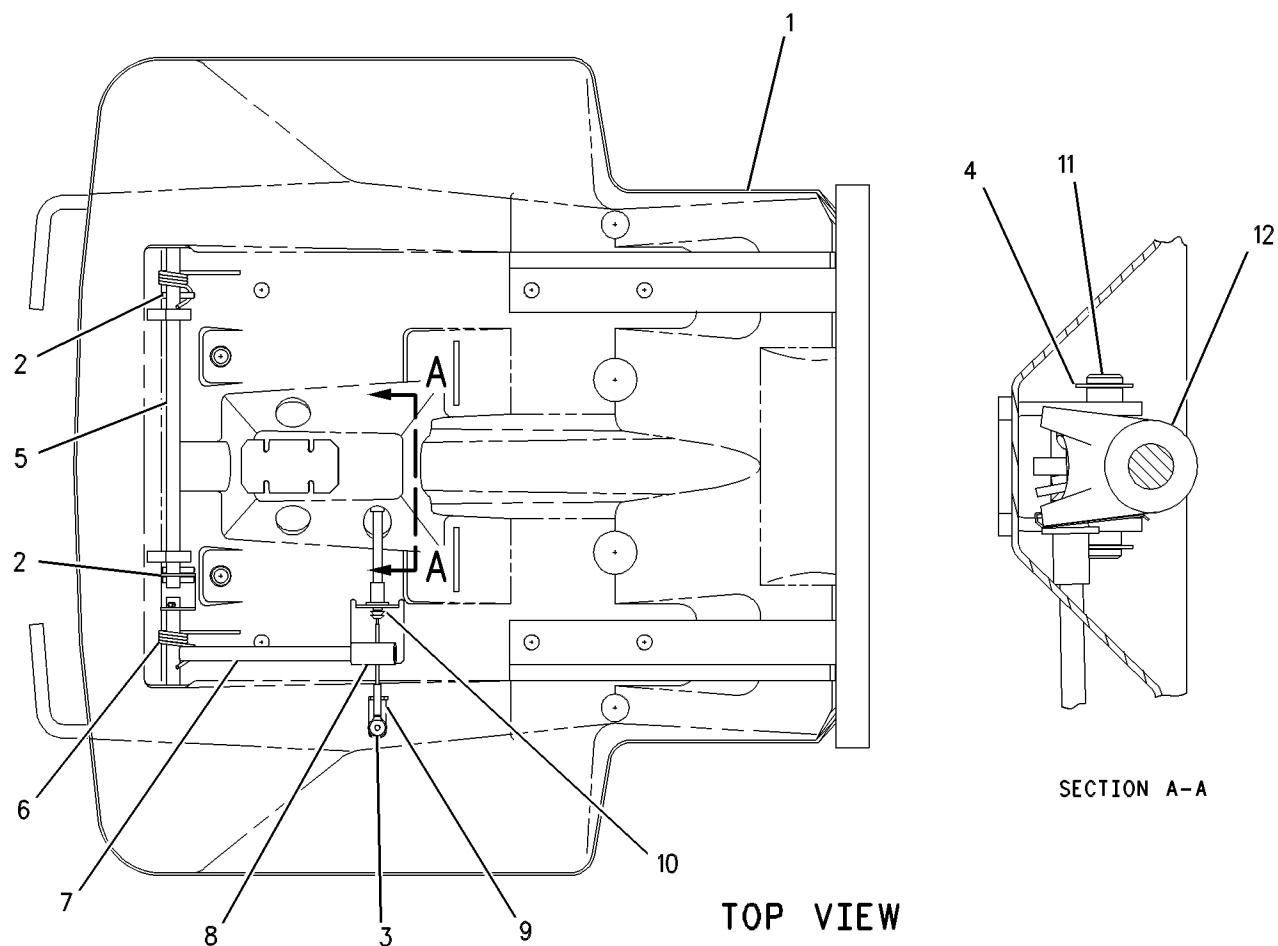
N-KIT MARKED N INCLUDES PART(S) MARKED N

Z-NOT SERVICED SEPARATELY

# OPERATOR STATION

8Y-5992 PAN GP-SEAT (*contd.*)

i01114003



SECTION A-A

TOP VIEW

GRAPHIC #1

g00315615

# OPERATOR STATION

## 104-6383 PLATFORM GP

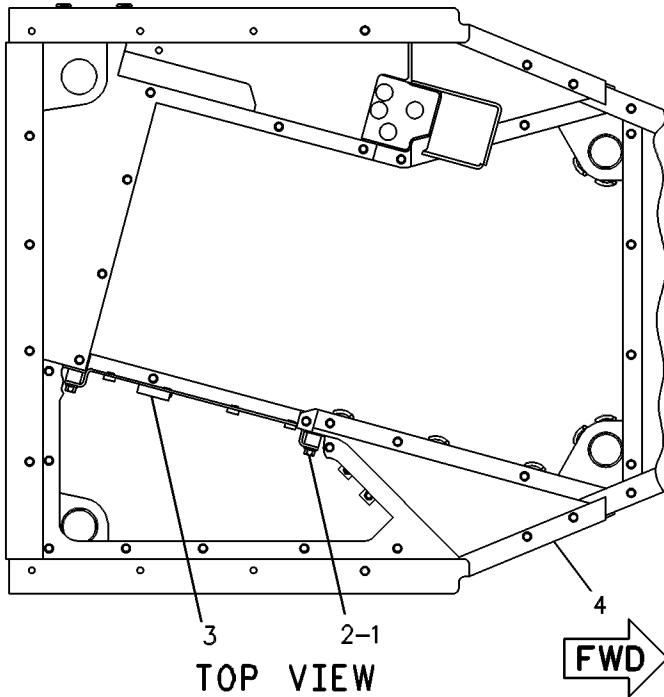
S/N: 9EM1-1253

PART OF 8E-2391 PLATFORM GP-CAB

SMCS-7253, 7254

i00569761

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		5P-1076	4	WASHER-HARD (4MM THK)						
2	1		5P-2228	4	BOLT (1/2-13X1IN)						
3	1		8E-2718	1	PLATE AS						
	1		5V-1016	1	BAR						
4	1		8E-2723	1	PLATFORM AS						
	1		9F-2978	8	NUT-WELD (3/8-16 THD)						
	1		6T-5403	2	PLATE						



GRAPHIC #1

g00254888

# OPERATOR STATION

## 179-5580 PLATFORM GP

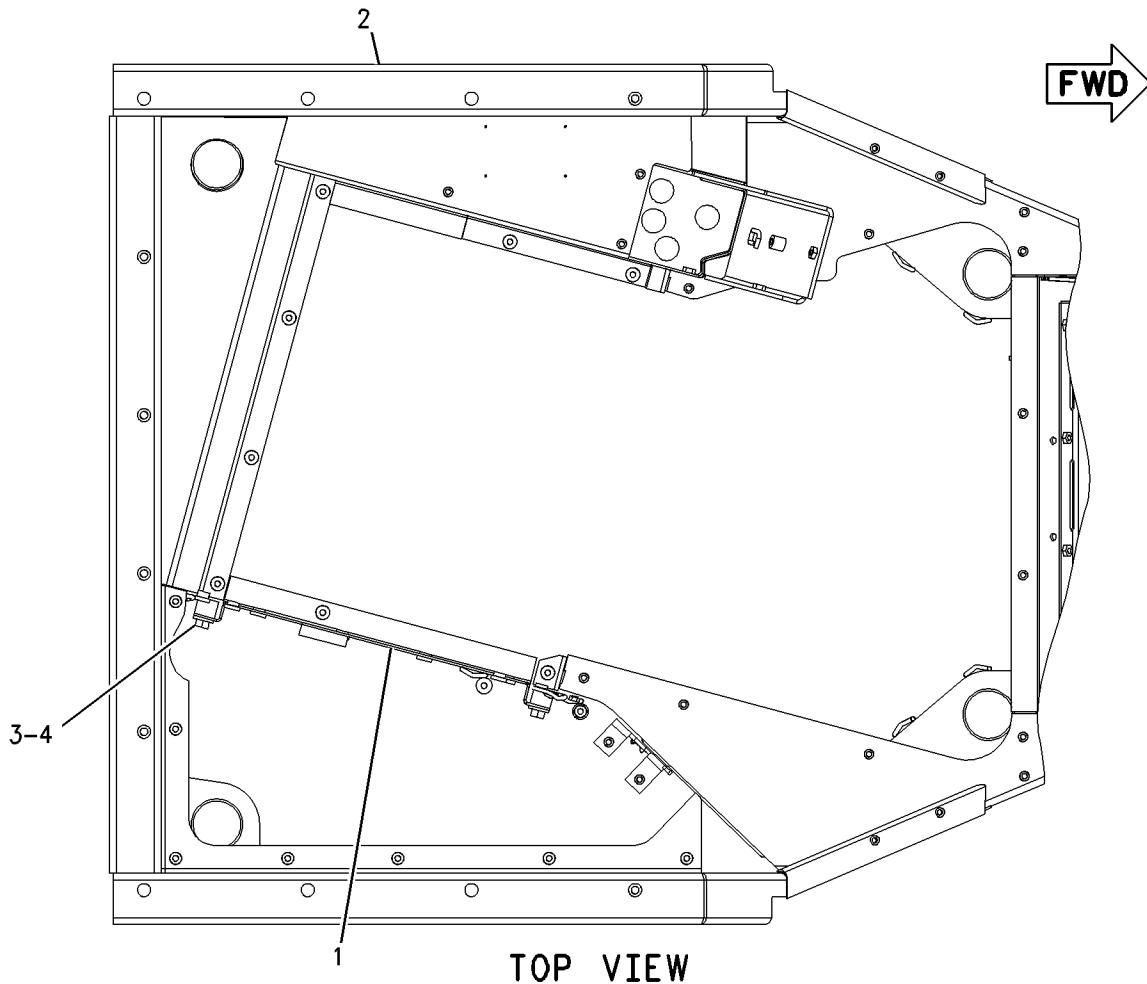
S/N: 9EM1254-UP

PART OF 8E-2391 PLATFORM GP-CAB

SMCS-7253, 7254

i01580081

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		5P-1076	4	WASHER-HARD (13.5X30X4MM THK)						
2	1		5P-2228	4	BOLT (1/2-13X1 IN)						
3	1		8E-2718	1	PLATE AS						
	1		5V-1016	1	BAR						
4	1		178-8443	1	PLATFORM AS						
	1		1F-0750	24	NUT-WELD (3/8-16 THD)						
	1		7G-7278	1	PLATE						
	1		106-9205	7	SPACER						



GRAPHIC #1

g00804218

# OPERATOR STATION

## 8E-2391 PLATFORM GP-CAB

S/N: 9EM1-1253

SMCS-7253

i01071729

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE	
					1 2 3 4 5 6 (PRODUCT LEVEL)		
Y	1	1	104-6383	1	PLATFORM GP		1106
	2	1	5M-3062	15	BOLT (3/8-16X.75IN)		
	3	1	8E-8478	1	COVER AS		
		1	9F-2978	2	NUT-WELD (3/8-16 THD)		
C	4	1	3T-3634	1	HANHOLD		
M	5	1	9X-2042	4	SCREW-TRUSS HEAD (M6X1.0X12MM)		
C	6	1	127-3018	1	HANHOLD		
	7	1	6V-1193	4	SCREW-HEX SOCKET		
	8	1	3T-6282	1	PLATE AS		
	9	1	9P-1444	2	SUPPORT AS-FOOT		
	10	1	5P-2228	14	BOLT (1/2X1.0IN)		
	11	1	145-8981	1	FLOOR MAT		
	12	1	6J-0488	9	SCREW-HEAD (3/8-16X.875IN)		
	13	1	055-2102	3	PLUG		
	14	1	8E-9299	1	PLATE		
	15	1	8E-6229	1	COVER AS		
		1	9F-2978	8	NUT-WELD (3/8-16 THD)		
		1	8E-6227	1	SEAL		
	16	1	106-9633	1	PLATE AS		
		1	9F-2978	4	NUT-WELD (3/8-16 THD)		
	17	1	8T-8917	4	BOLT (1/2-13X1.25IN)		
	18	1	5P-1075	32	WASHER-HARD (3MM THK)		
	19	1	6I-9706	1	RETAINER AS		
	20	1	6V-1790	3	PLUG-BUTTON		
	21	1	8E-7791	1	STRAP		
	22	1	6Y-0206	2	RETAINER		
	23	1	7G-4824	1	STRAP		
	24	1	7V-8087	1	PLUG-BUTTON		
	25	1	6T-4556	1	COVER		
		1	6T-4557	1	GASKET		
	26	1	8E-3303	2	STRIP		
	27	1	7T-6299	1	GROMMET		
		1	5P-0998	2	PLUG-SEAL		
	28	1	117-9966	2	PLUG (80.5MM O.D.)		
	29	1	5P-1076	18	WASHER-HARD (4MM THK)		
	30	1	034-6219	2	SCREW-HEX SOCKET		
		1	6Y-8114	2	SPACER		
M	31	1	9X-2045	1	SCREW-TRUSS HEAD (M6X1X20MM)		
	32	1	5P-8167	8	BOLT (3/8-16X.625IN)		
	33	2	7X-0371	4	BOLT (3/4-10X3.75IN)		
	34	2	7X-0582	4	WASHER-HARD (6MM THK)		
	35	2	3T-3462	4	PLATE		
	36	2	9N-4573	1	GASKET		
C	37	2	5M-3062	35	BOLT (3/8-16X.75IN)		
C	38	2	5P-1075	35	WASHER-HARD (3MM THK)		
	39	2	9N-4577	1	COVER AS		
	40	2	9W-0481	1	GASKET		
	41	2	7T-1819	8	MOUNTING AS		
	42	2	3T-6281	1	SEAL		
C	43	2	105-3186	1	COVER		
	44	2	3T-6280	1	PLATE AS		
	45	2	3T-7135	1	SEAL		
	46	2	3T-7116	1	PLATE AS		

C-CHANGE FROM PREVIOUS TYPE

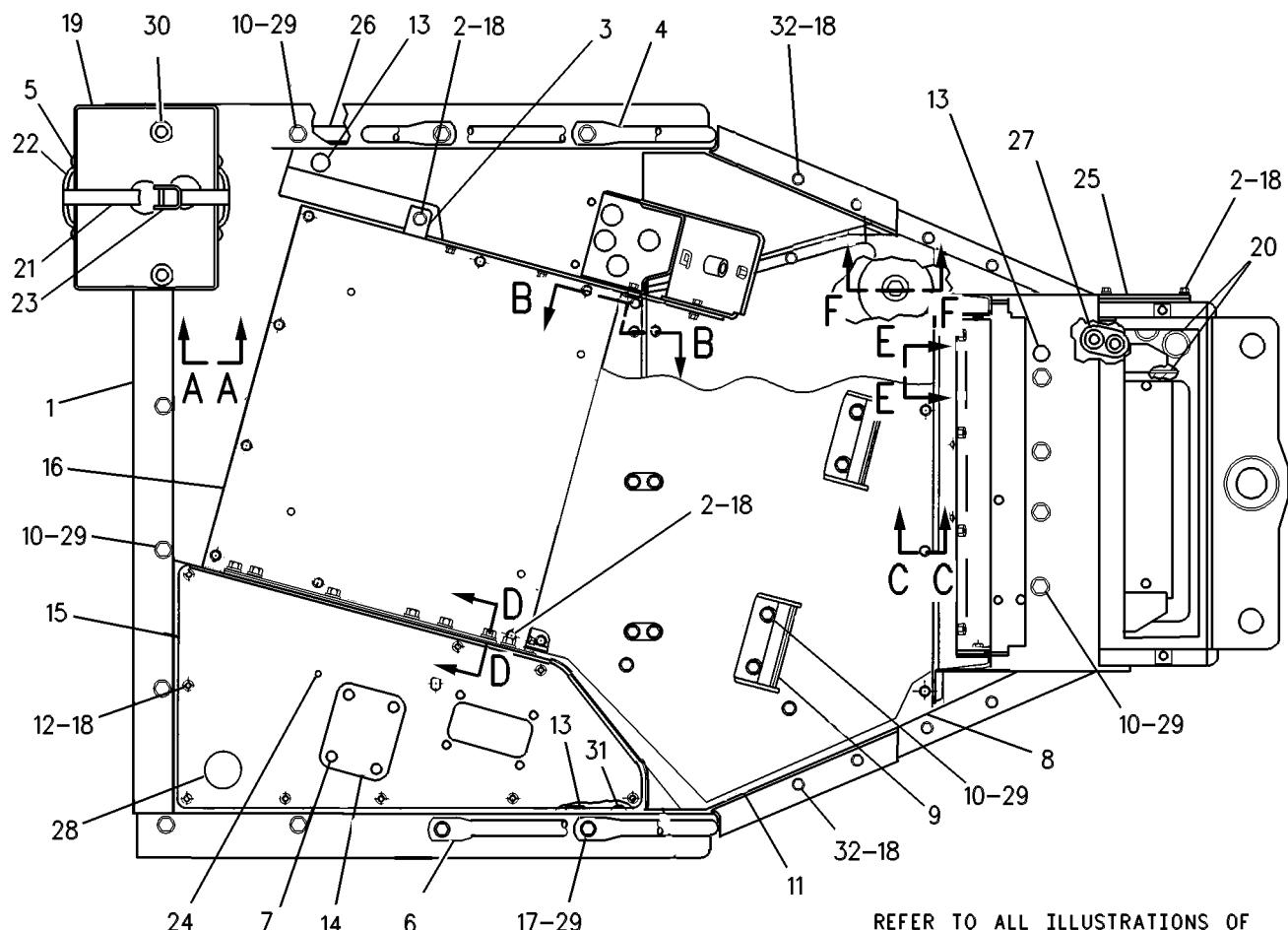
M-METRIC PART

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

8E-2391 PLATFORM GP-CAB (contd.)

i01071729



REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

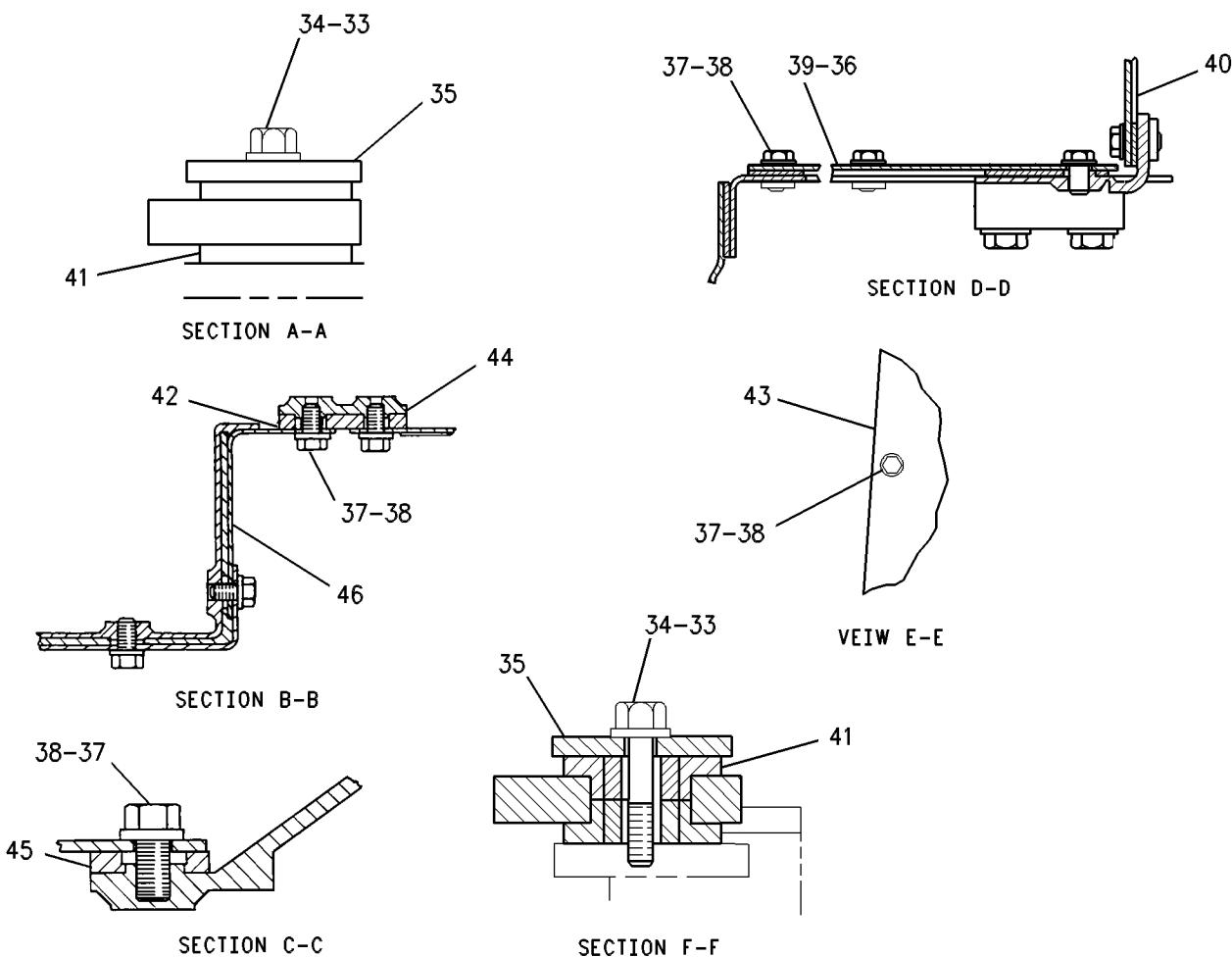
GRAPHIC #1

g00427520

# OPERATOR STATION

8E-2391 PLATFORM GP-CAB (*contd.*)

i01071729



GRAPHIC #2

g00468019

# OPERATOR STATION

## 8E-2391 PLATFORM GP-CAB

S/N: 9EM1254-UP

**SMCS-7253**

**i01580069**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
CY	1	1	179-5580	1	PLATFORM GP							1107
	2	1	<b>5M-3062</b>	15	BOLT (3/8-16X0.75 IN)							
	3	1	<b>8E-8478</b>	1	COVER AS							
		1	<b>9F-2978</b>	2	NUT-WELD (3/8-16 THD)							
	4	1	<b>3T-3634</b>	1	HANHOLD							
M	5	1	<b>9X-2042</b>	4	SCREW-TRUSS HEAD (M6X1X12MM)							
	6	1	<b>127-3018</b>	1	HANHOLD							
	7	1	<b>6V-1193</b>	4	SCREW-HEX SOCKET (3/8-16X.625 IN)							
	8	1	<b>3T-6282</b>	1	PLATE AS							
	9	1	<b>9P-1444</b>	2	SUPPORT AS-FOOT							
	10	1	<b>5P-2228</b>	14	BOLT (1/2-13X1 IN)							
C	11	1	<b>192-4555</b>	1	FLOOR MAT							
	12	1	<b>6J-0488</b>	9	SCREW-BUTTON HEAD (3/8-16X0.875 IN)							
C	13	1	<b>055-2102</b>	1	PLUG							
	14	1	<b>8E-9299</b>	1	PLATE							
	15	1	<b>8E-6229</b>	1	COVER AS							
		1	<b>9F-2978</b>	8	NUT-WELD (3/8-16 THD)							
		1	<b>8E-6227</b>	1	SEAL							
	16	1	<b>106-9633</b>	1	PLATE AS							
		1	<b>9F-2978</b>	4	NUT-WELD (3/8-16 THD)							
	17	1	<b>8T-8917</b>	4	BOLT (1/2-13X1.25 IN)							
	18	1	<b>5P-1075</b>	32	WASHER-HARD (10.2X22.5X3MM THK)							
	19	1	<b>6I-9706</b>	1	RETAINER AS							
	20	1	<b>6V-1790</b>	3	PLUG-BUTTON							
	21	1	<b>8E-7791</b>	1	STRAP							
	22	1	<b>6Y-0206</b>	2	RETAINER							
	23	1	<b>7G-4824</b>	1	STRAP							
	24	1	<b>7V-8087</b>	1	PLUG-BUTTON							
	25	1	<b>6T-4556</b>	1	COVER							
		1	<b>6T-4557</b>	1	GASKET							
	26	1	<b>8E-3303</b>	2	STRIP							
	27	1	<b>7T-6299</b>	1	GROMMET							
		1	<b>5P-0998</b>	2	PLUG-SEAL							
	28	1	<b>117-9966</b>	2	PLUG							
	29	1	<b>5P-1076</b>	18	WASHER-HARD (13.5X30X4MM THK)							
	30	1	<b>034-6219</b>	2	SCREW-HEX SOCKET							
		1	<b>6Y-8114</b>	2	SPACER (13.8X23.75X12.7MM THK)							
M	31	1	<b>9X-2045</b>	1	SCREW-TRUSS HEAD (M6X1X20MM)							
	32	1	<b>5P-8167</b>	8	BOLT (3/8-16X0.625 IN)							
	33	2	<b>7X-0371</b>	4	BOLT (3/4-10X3.75 IN)							
	34	2	<b>7X-0582</b>	4	WASHER-HARD (20X44.5X6MM THK)							
	35	2	<b>3T-3462</b>	4	PLATE							
	36	2	<b>9N-4573</b>	1	GASKET							
	37	2	<b>5M-3062</b>	35	BOLT (3/8-16X0.75 IN)							
	38	2	<b>5P-1075</b>	35	WASHER-HARD (10.2X22.5X3MM THK)							
	39	2	<b>9N-4577</b>	1	COVER AS							
	40	2	<b>9W-0481</b>	1	GASKET							
	41	2	<b>7T-1819</b>	8	MOUNTING AS							
	42	2	<b>3T-6281</b>	1	SEAL							
	43	2	<b>105-3186</b>	1	COVER							
	44	2	<b>3T-6280</b>	1	PLATE AS							
C	45	1	<b>9D-3767</b>	1	PLUG-BUTTON							
	46	2	<b>3T-7116</b>	1	PLATE AS							

C-CHANGE FROM PREVIOUS TYPE

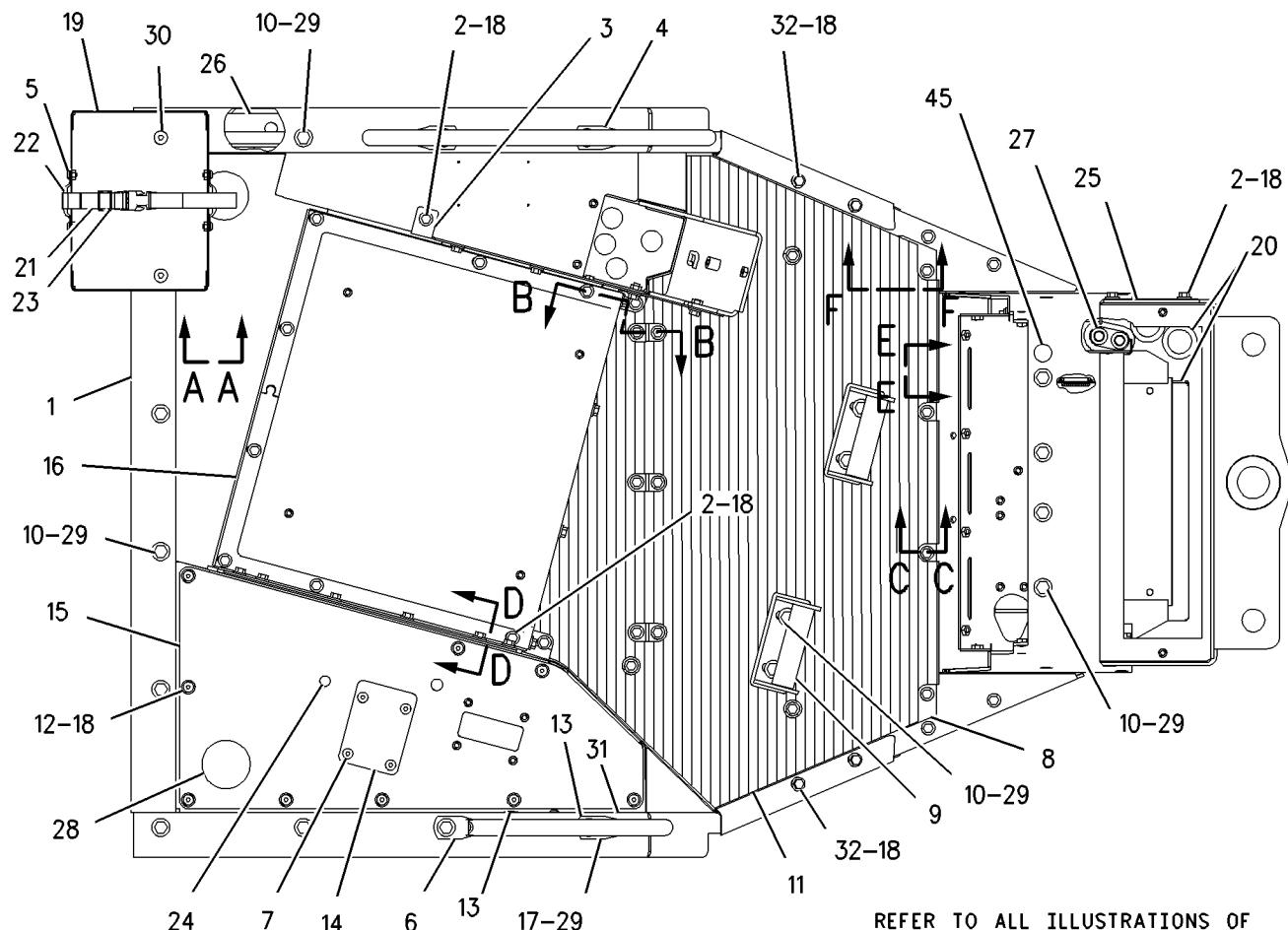
M-METRIC PART

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

8E-2391 PLATFORM GP-CAB (contd.)

i01580069



REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

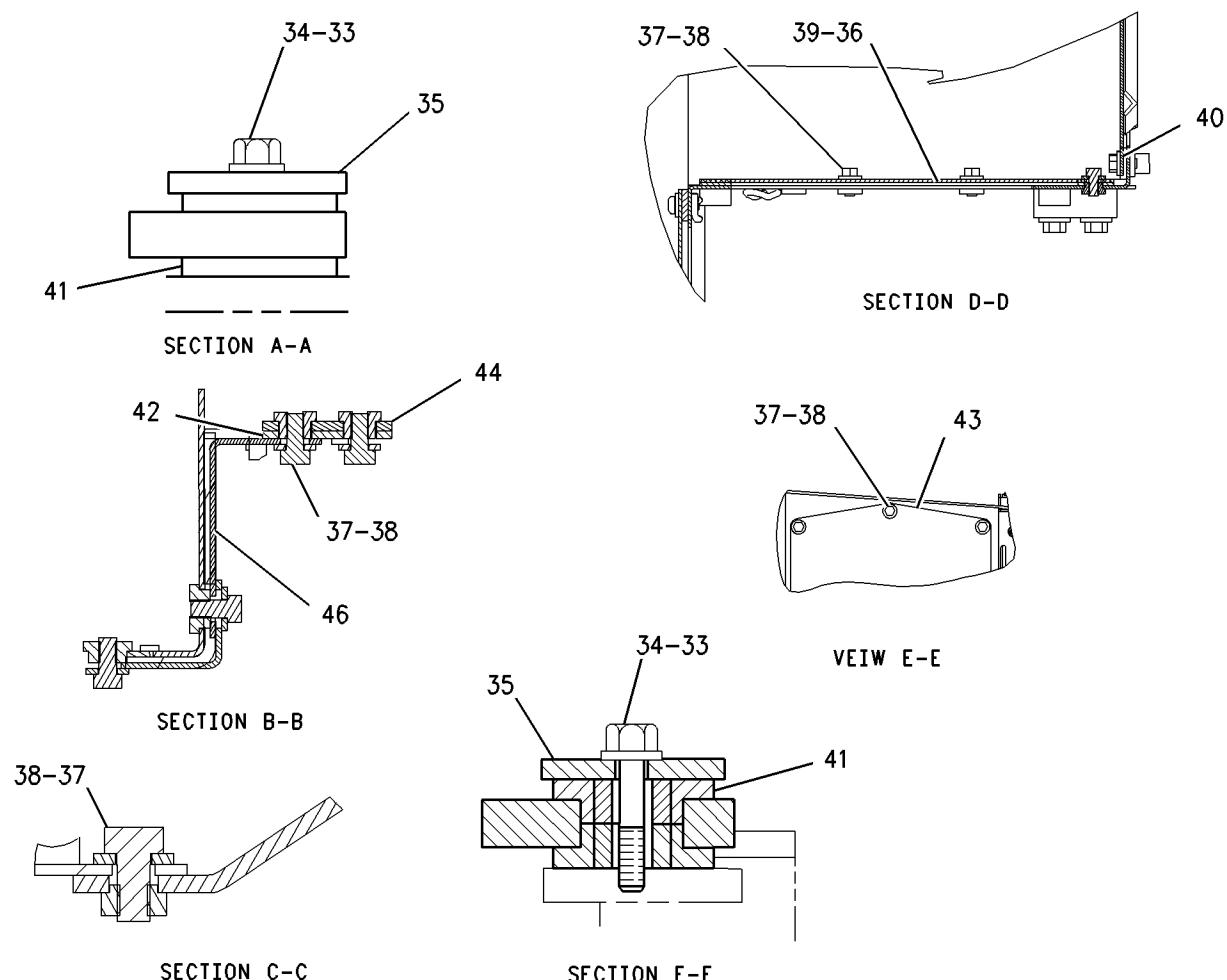
GRAPHIC #1

g00752824

# OPERATOR STATION

8E-2391 PLATFORM GP-CAB (contd.)

i01580069



GRAPHIC #2

g00786731

# OPERATOR STATION

## 6T-3690 PRESSURIZER GP-CAB

S/N: 9EM1-UP  
 PART OF 112-6665 CAB AR  
 AN ATTACHMENT  
 TYPE 1

**SMCS-7311**

**i00815384**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE					
					1						
					2	3	4	5	6 (PRODUCT LEVEL)		
Y	1	1	<b>6T-3387</b>	1	BLOWER GP-CAB						990
	2	1	<b>7T-4306</b>	10	LOUVER AS						
	3	1	<b>6V-1178</b>	1	PLUG-BUTTON						
	4	1	<b>6T-5067</b>	1	LINER						
	5	1	<b>7X-2501</b>	3	BOLT (1/4-20X1.25IN)						
		1	<b>3L-0594</b>	3	SPACER						
	6	1	<b>7X-0603</b>	9	WASHER-HARD (2.5MM THK) (LARGE)						
	7	1	<b>6V-1790</b>	3	PLUG-BUTTON						
	8	1	<b>7T-4535</b>	1	LINER						
	9	1	<b>5P-2675</b>	6	BOLT (1/4-20X1.75IN)						
		1	<b>6T-5017</b>	6	SPACER						
	10	1	<b>3T-8728</b>	1	CIRCUIT BREAKER AS (20 AMP)						
		1	<b>6V-8376</b>	2	SCREW-MACHINE (8-32X.25IN)						
		1	<b>9B-7233</b>	2	LOCKWASHER (NO.8)						
	11	1	<b>7M-4823</b>	2	SCREW AS-HEAD						
B	12	1	<b>8T-9364</b>	2	BOLT (1/4-20X.625IN)						
B	13	1	<b>3T-0376</b>	1	SWITCH AS-MAGNETIC (POWER RELAY)						
	14	1	<b>6T-5069</b>	1	COVER AS						
	15	1	<b>6T-5068</b>	1	FILTER AS (CAB REC AIR)						
D		1	<b>5P-5639</b>		SEAL (1.3M)						
	16	1	<b>8E-1356</b>	1	KNOB AS						
		1	<b>8T-7566</b>	1	PIN-SPRING						
	17	1	<b>8T-4205</b>	9	WASHER-HARD (2MM THK) (SMALL)						
B	18	1	<b>8T-4205</b>	2	WASHER-HARD (2MM THK)						
	19	1	<b>127-1043</b>	1	LINER						
	20	1	<b>141-4044</b>	1	PANEL						
	21	2	<b>9W-7033</b>	2	KNOB AS						
					(EACH INCLUDES)						
		2	<b>8T-7566</b>	1	PIN-SPRING						
	22	2	<b>5M-3062</b>	10	BOLT (3/8-16X.750IN)						
		2	<b>5P-1075</b>	10	WASHER-HARD (3MM THK)						
	23	2	<b>6T-4556</b>	1	COVER						
		2	<b>6T-4557</b>	1	GASKET						
	24	2	<b>6T-5438</b>	1	COVER AS						
		2	<b>6T-0988</b>	1	FILTER (CAB FRESH AIR)						

B-USE AS REQUIRED

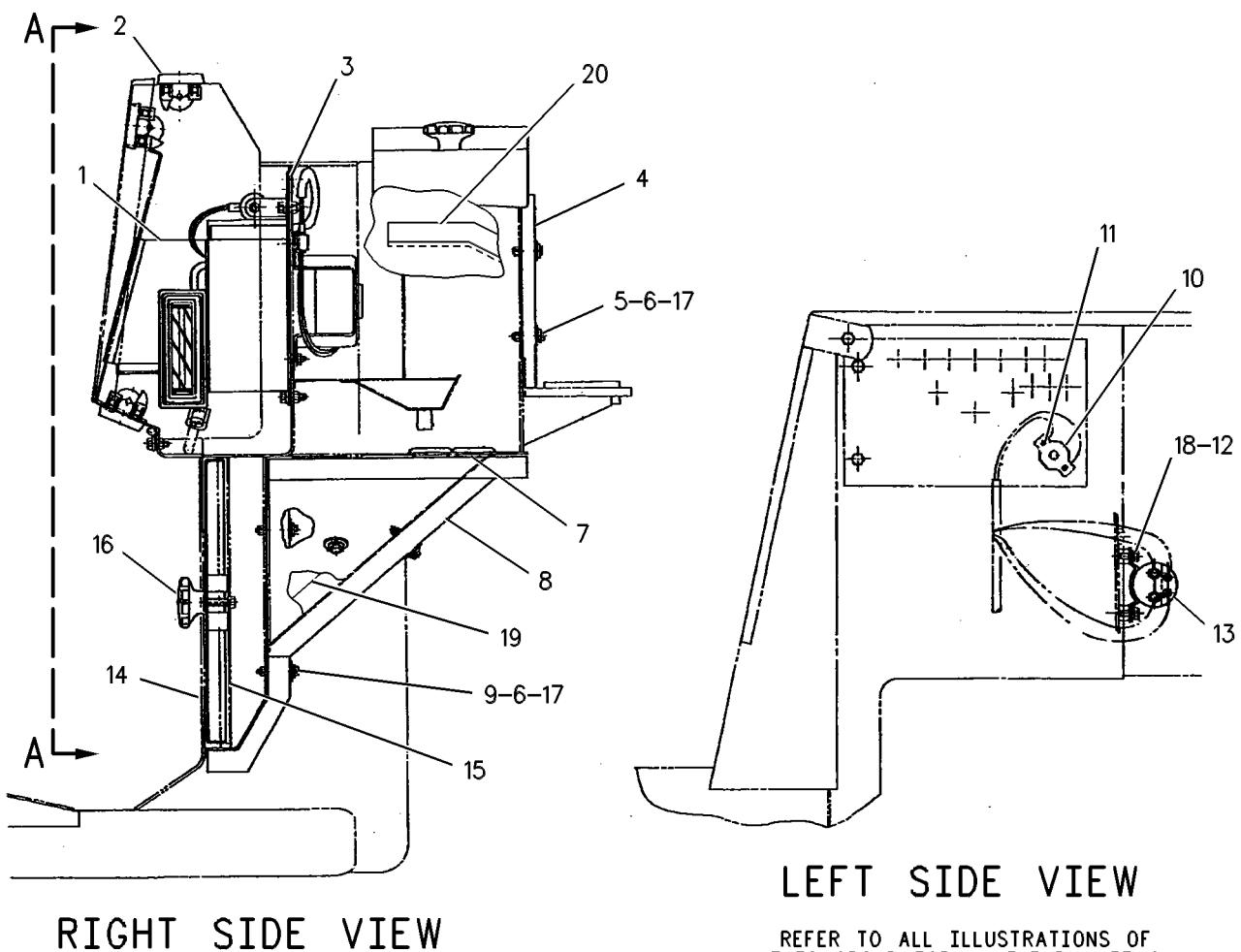
D-ORDER BY THE METER

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

6T-3690 PRESSURIZER GP - CAB (contd.)

i00815384



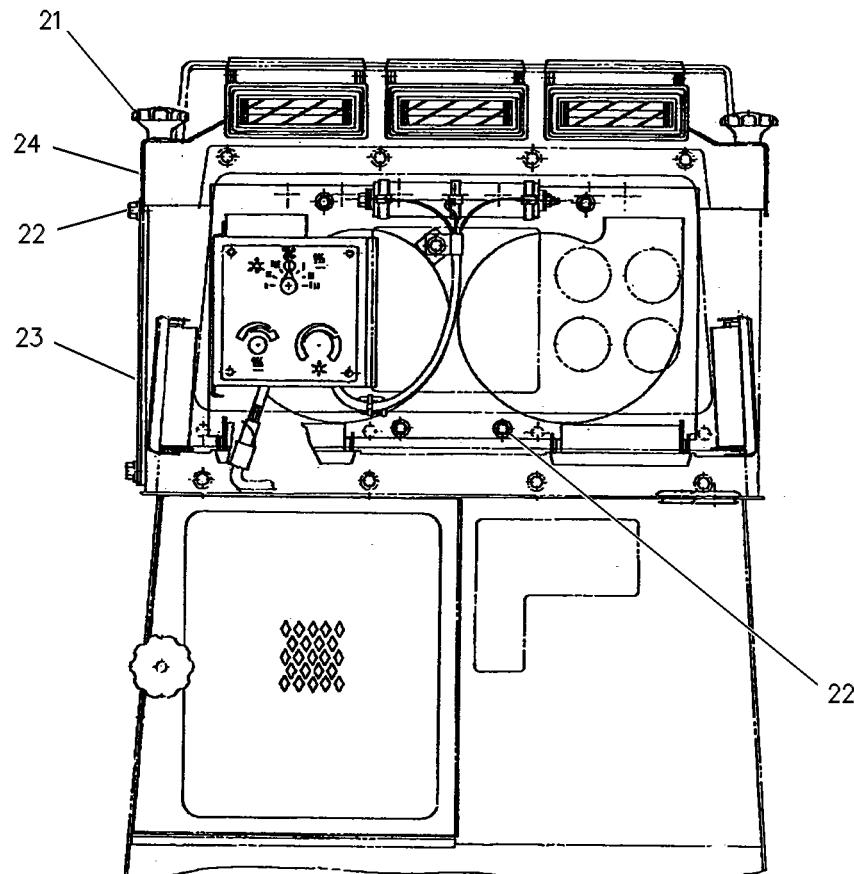
GRAPHIC #1

g00273374

# OPERATOR STATION

6T-3690 PRESSURIZER GP-CAB (contd.)

i00815384



VIEW A-A

GRAPHIC #2

g00350296

# OPERATOR STATION

## 6T-3690 PRESSURIZER GP-CAB

S/N: 9EM1-UP

PART OF 112-6665, 200-8097 CAB AR  
AN ATTACHMENT  
TYPE 2

**SMCS-7311**

**i01580092**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
Y	1	1	<b>6T-3387</b>	1	BLOWER GP-CAB	990
	2	2	<b>6T-0988</b>	1	FILTER-AIR (CAB FRESH AIR)	
	3	2	<b>111-4482</b>	1	COVER AS	
	4	2	<b>6T-5069</b>	1	COVER AS	
	5	2	<b>6T-5068</b>	1	FILTER AS (CAB REC AIR)	
	6	2	<b>6T-4556</b>	1	COVER	
	7	2	<b>6T-4557</b>	1	GASKET	
	8	1	<b>6T-5067</b>	1	LINER	
	9	1	<b>3L-0594</b>	3	SPACER (8.7X15.9X15.9MM THK)	
	10	1	<b>7X-2501</b>	3	BOLT (1/4-20X1.25 IN)	
	11	1	<b>7X-0603</b>	9	WASHER-HARD (9.9X35X2.5MM THK) (LARGE)	
	12	1	<b>8T-4205</b>	9	WASHER-HARD (7.2X14.5X2MM THK) (SMALL)	
	13	1,2	<b>7T-4306</b>	10	LOUVER AS	
	14	2	<b>9W-7033</b>	2	KNOB AS	
					(EACH INCLUDES)	
		2	<b>8T-7566</b>	1	PIN-SPRING	
	15	2	<b>3H-6660</b>	2	PIN-SPRING	
	16	2	<b>6P-6256</b>	1	RETAINER-SPRING	
	17	2	<b>8E-1356</b>	1	KNOB AS	
		2	<b>8T-7566</b>	1	PIN-SPRING	
	18	1	<b>7T-4535</b>	1	LINER	
	19	1	<b>5P-2675</b>	6	BOLT (1/4-20X1.75 IN)	
	20	1	<b>6T-5017</b>	6	SPACER (2.11X12.7X24MM THK)	
	21	2	<b>5M-3062</b>	10	BOLT (3/8-16X0.75 IN)	
	22	2	<b>5P-1075</b>	10	WASHER-HARD (10.2X22.5X3MM THK)	
	23	1	<b>141-4044</b>	1	PANEL	
D	24	1	<b>5P-5639</b>		SEAL (1.3M)	
	25	1	<b>127-1043</b>	1	LINER	
	26	1	<b>6T-3644</b>	1	CIRCUIT BREAKER GP (20 AMP)	
		1	<b>6V-8376</b>	2	SCREW-MACHINE (8-32X0.25 IN)	
		1	<b>9B-7233</b>	2	LOCKWASHER	
	27	1	<b>7M-4823</b>	2	SCREW AS-HEAD	
	28	1,2	<b>6V-1790</b>	3	PLUG-BUTTON	
	29	1	<b>6V-1178</b>	1	PLUG-BUTTON	

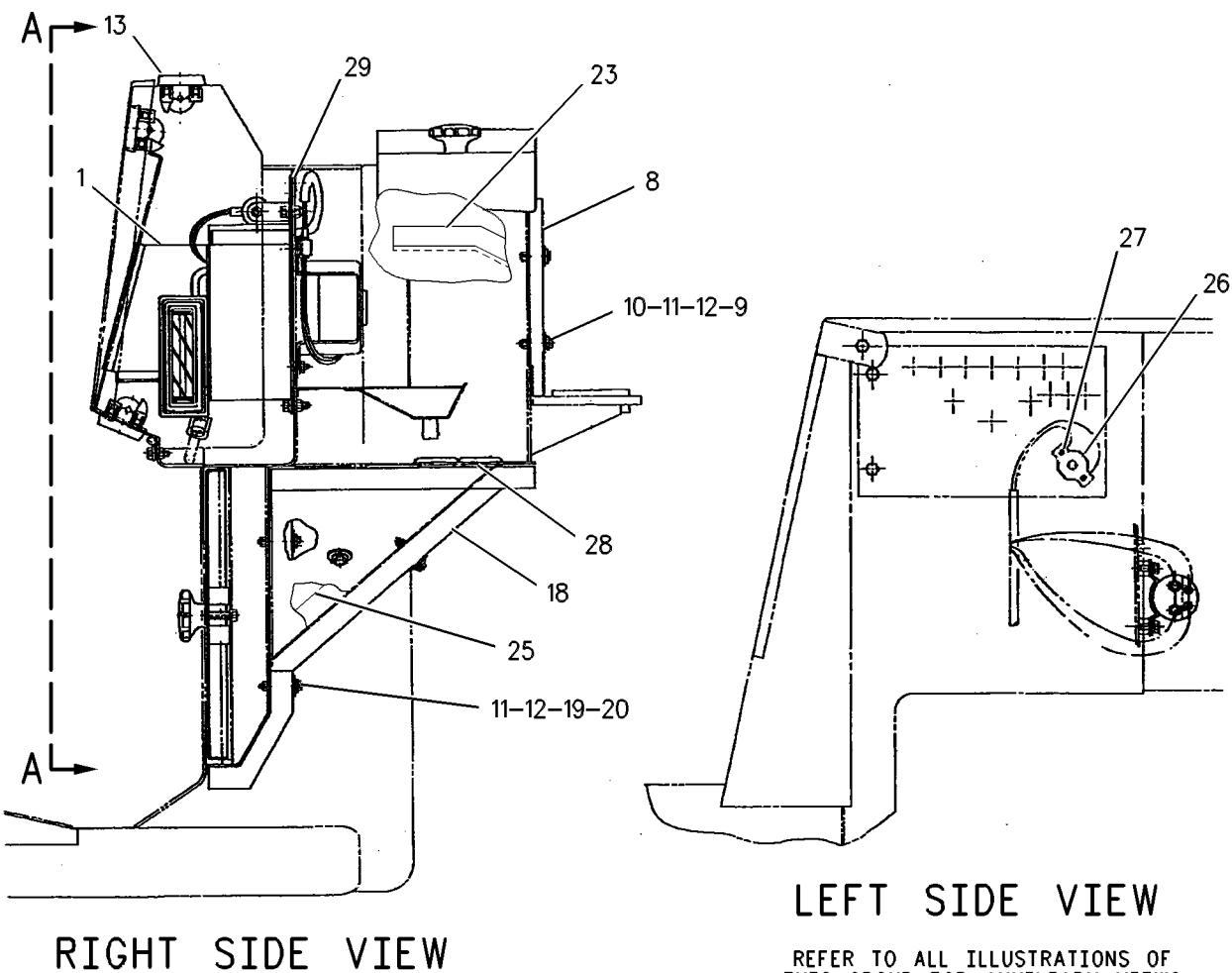
D-ORDER BY THE METER

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

6T-3690 PRESSURIZER GP - CAB (contd.)

i01580092



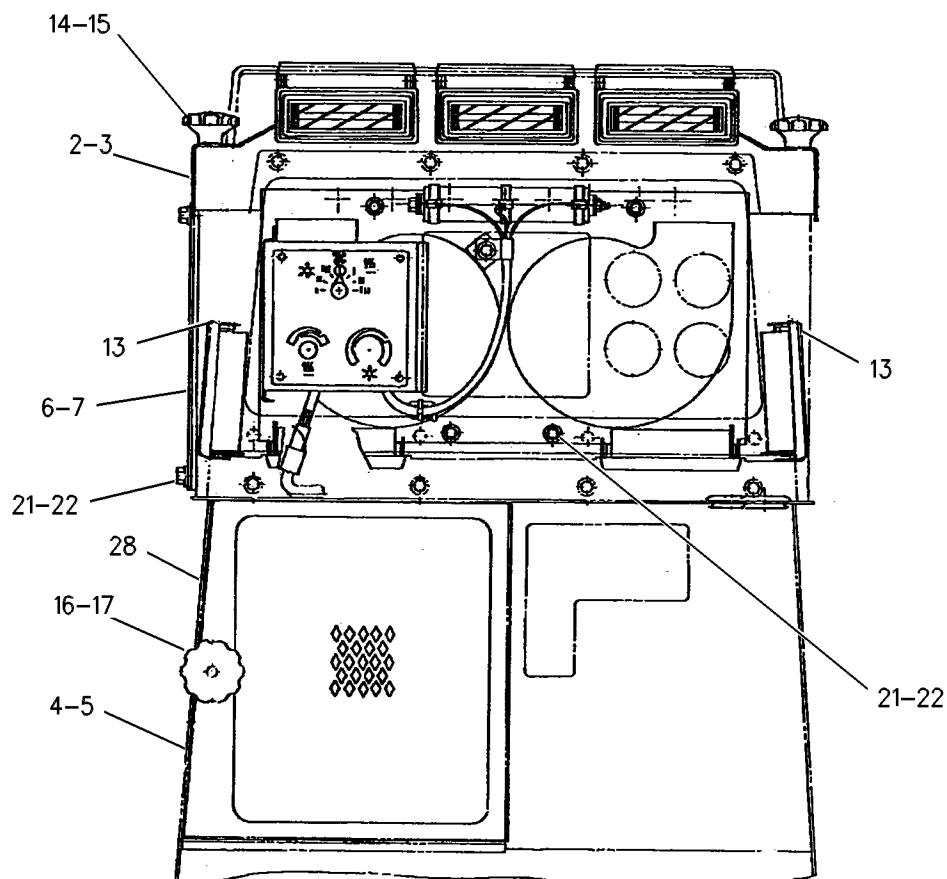
GRAPHIC #1

g00490992

# OPERATOR STATION

6T-3690 PRESSURIZER GP-CAB (contd.)

i01580092



VIEW A-A

GRAPHIC #2

g00490991

# OPERATOR STATION

## 177-4935 RECLINER GP - SEAT

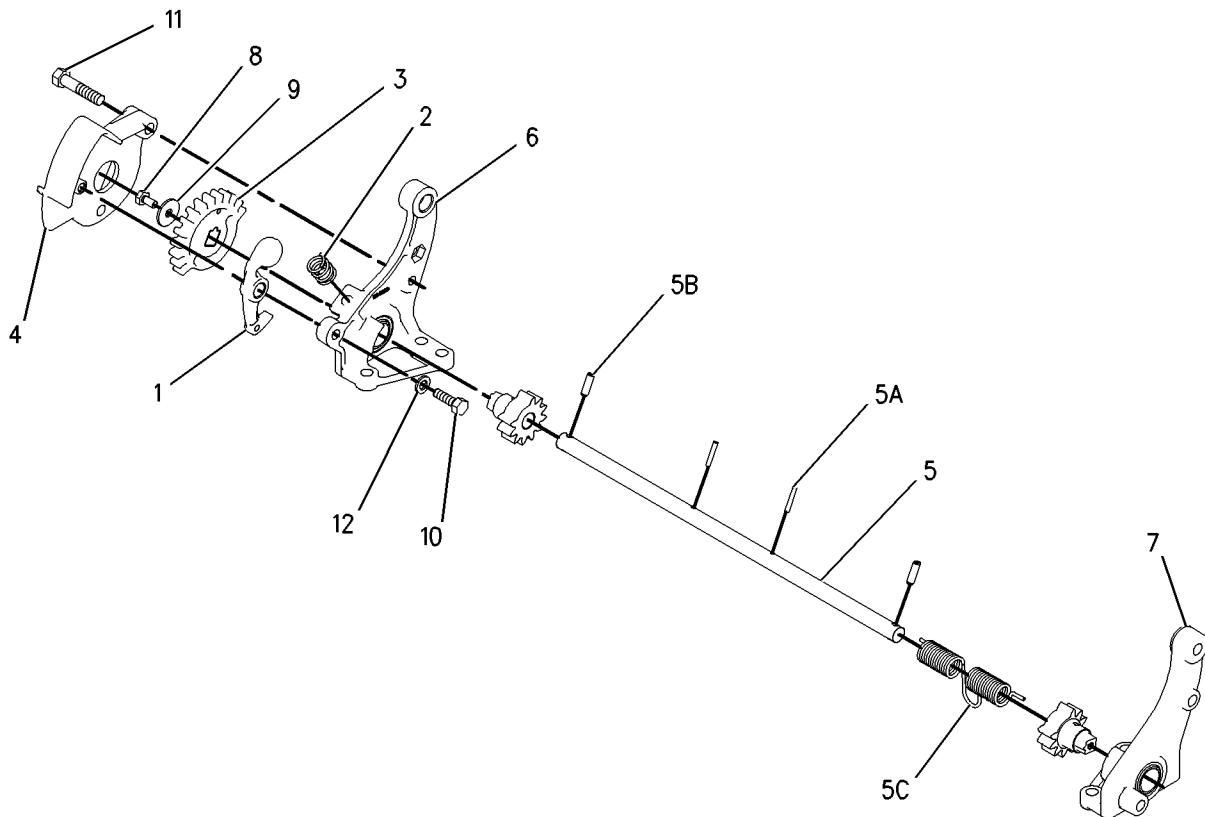
S/N: 9EM1049-UP

PART OF 180-7304, 180-7306 SEAT GP  
ALSO AN ATTACHMENT

SMCS-7312

i01437592

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
1	1		188-2586	1	LATCH							
2	1		164-4146	1	SPRING							
3	1		177-1860	1	GEAR							
4	1		177-1862	1	BRACKET							
5	1		178-0607	1	SHAFT AS							
5A	1		2K-9111	2	PIN-SPRING							
5B	1		9M-6803	2	DOWEL							
5C	1		170-8590	1	SPRING							
6	1		178-0608	1	BRACKET AS							
7	1		178-0609	1	BRACKET AS							
8	1		OS-1614	1	BOLT (1/4-20X.5 IN)							
9	1		101-2867	1	WASHER-HARD							
10	1		4M-6425	1	BOLT (5/16-18X1 IN)							
11	1		5S-7383	1	BOLT (3/8-16X1.75 IN)							
12	1		8T-4224	1	WASHER-HARD (8.8X16X2MM THK)							



GRAPHIC #1

g00673022

# OPERATOR STATION

**113-4260 ROPS GP**

S/N: 9EM1-1019

**SMCS-7323, 7325**

**i01065732**

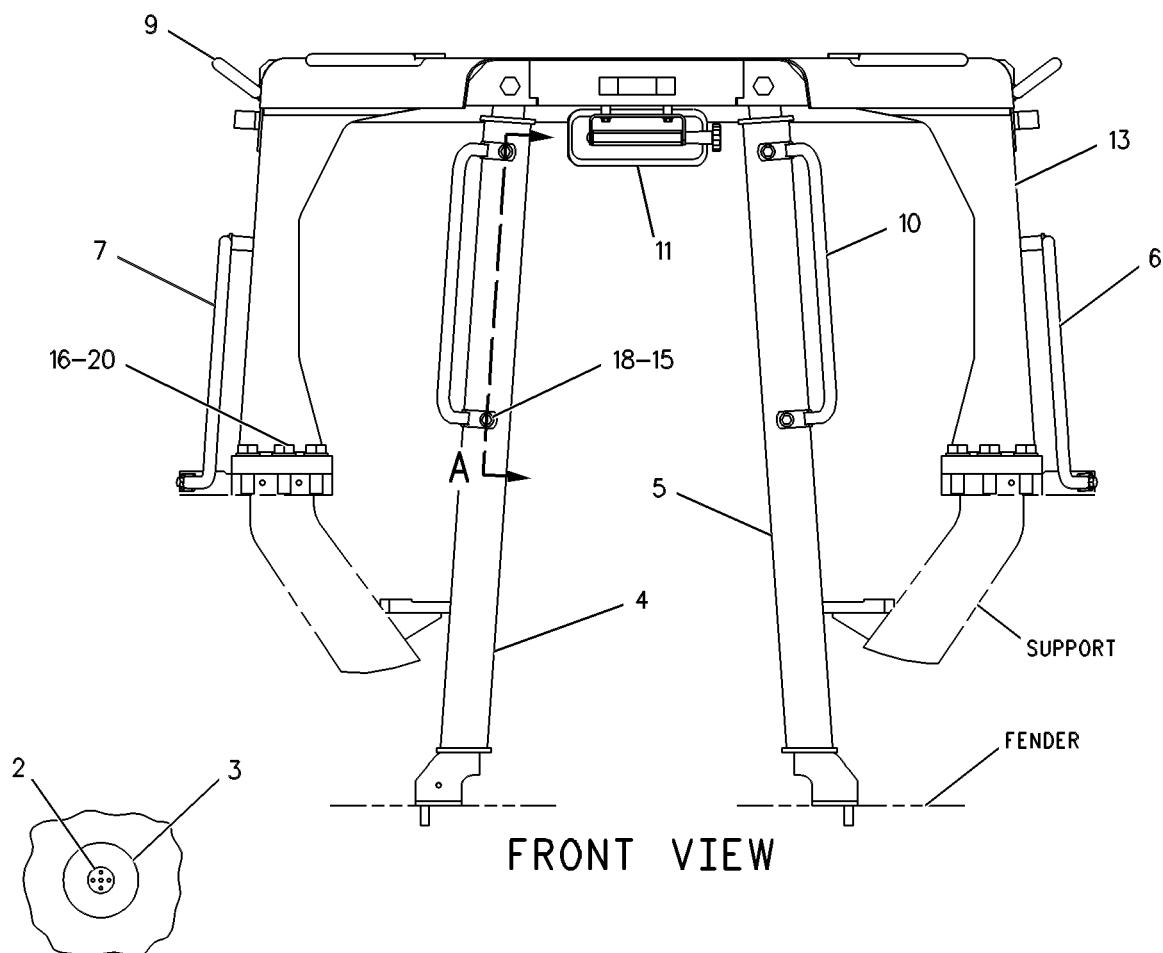
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		<b>1P-2772</b>	4	SPACER						
2	1		<b>2G-6087</b>	12	BUTTON						
3	1		<b>3W-6541</b>	12	WASHER						
4	1		<b>7T-3585</b>	1	TUBE AS						
5	1		<b>7T-4462</b>	1	TUBE AS						
6	1		<b>8E-1536</b>	1	HANDHOLD-LH						
7	1		<b>8E-1537</b>	1	HANDHOLD-RH						
8	1		<b>8P-5244</b>	4	WASHER						
9	1		<b>8P-9747</b>	2	HANDHOLD						
10	1		<b>9G-0992</b>	2	HANDHOLD						
Y	11	1	9P-9392	1	MIRROR GP-REAR VIEW						1079
	12	1	<b>9S-5187</b>	2	MOUNTING						
	13	1	<b>117-6580</b>	1	ROLLOVER AS						
	14	1	<b>114-2381</b>	1	HEADLINER						
	15	1	<b>5P-1076</b>	12	WASHER						
	16	1	<b>7X-0531</b>	12	WASHER						
	17	1	<b>8T-4994</b>	4	WASHER						
	18	1	<b>5C-6565</b>	12	BOLT (1/2-13X1.25IN)						
	19	1	<b>6K-3632</b>	2	LOCKNUT (1-8 THD)						
	20	1	<b>7X-0422</b>	12	BOLT (1-1/8-7 THD)						
	21	1	<b>8C-8843</b>	2	BOLT (1-8X4.50IN)						
	22	1	<b>8T-8924</b>	4	BOLT (3/4-10X2.50IN)						

Y-SEPARATE ILLUSTRATION

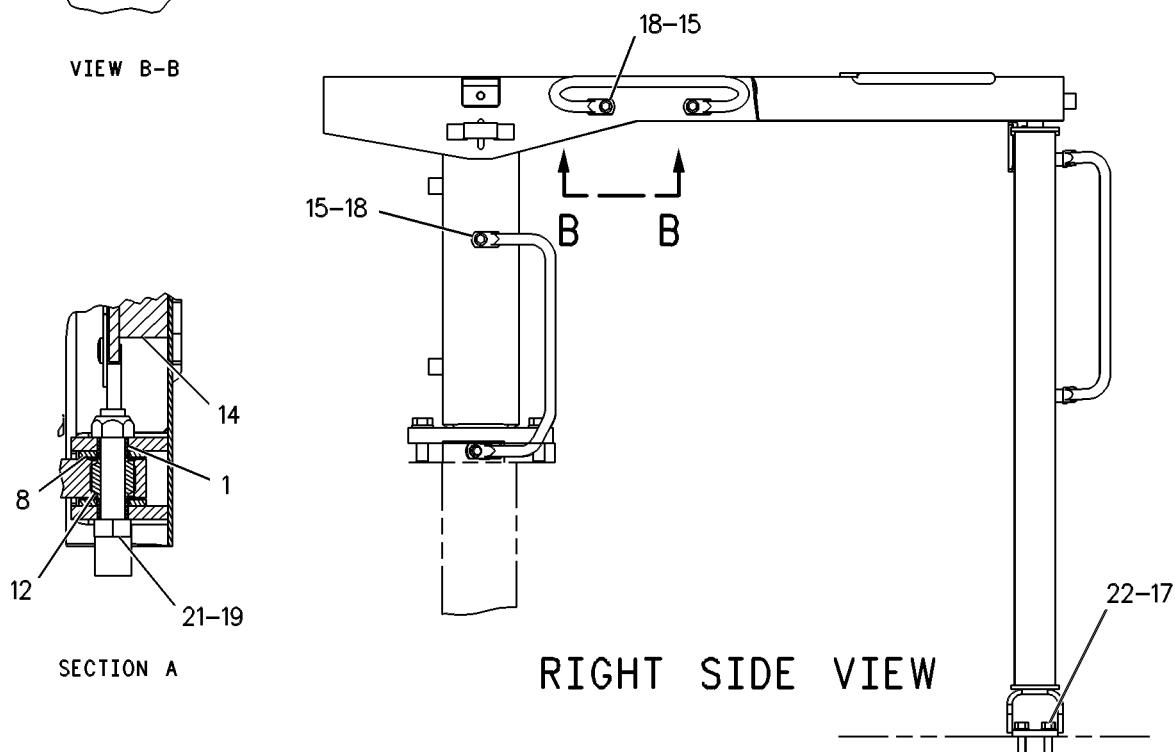
# OPERATOR STATION

113-4260 ROPS GP (contd.)

i01065732



FRONT VIEW



RIGHT SIDE VIEW

GRAPHIC #1

g00274240

# OPERATOR STATION

**113-4260 ROPS GP**

S/N: 9EM1020-UP

**SMCS-7323, 7325**

**i01419413**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
1	1		<b>1P-2772</b>	4	SPACER (26X31X19MM THK)	
2	1		<b>2G-6087</b>	12	BUTTON	
3	1		<b>3W-6541</b>	12	WASHER (16X75X3.5MM THK)	
C	4	1	<b>170-7260</b>	1	TUBE AS	
C	5	1	<b>170-7259</b>	1	TUBE AS	
6	1		<b>8E-1536</b>	1	HANDHOLD-LH	
7	1		<b>8E-1537</b>	1	HANDHOLD-RH	
8	1		<b>8P-5244</b>	4	WASHER (33.3X69.8X6.35MM THK)	
9	1		<b>8P-9747</b>	2	HANDHOLD	
10	1		<b>9G-0992</b>	2	HANDHOLD	
Y	11	1	<b>9P-9392</b>	1	MIRROR GP-REAR VIEW	1079
	12	1	<b>9S-5187</b>	2	MOUNTING	
C	13	1	<b>184-3152</b>	1	ROPS AS	
	14	1	<b>114-2381</b>	1	HEADLINER	
15	1		<b>5P-1076</b>	12	WASHER-HARD (13.5X30X4MM THK)	
16	1		<b>7X-0531</b>	12	WASHER-HARD (31X52.5X6MM THK)	
17	1		<b>8T-4994</b>	4	WASHER-HARD (20X36.5X5MM THK)	
18	1		<b>5C-6565</b>	12	BOLT (1/2-13X1.25 IN)	
19	1		<b>6K-3632</b>	2	LOCKNUT	
20	1		<b>7X-0422</b>	12	BOLT (1-1/8-7 THD)	
21	1		<b>8C-8843</b>	2	BOLT (1-8X4.5 IN)	
22	1		<b>8T-8924</b>	4	BOLT (3/4-10X2.50 IN)	

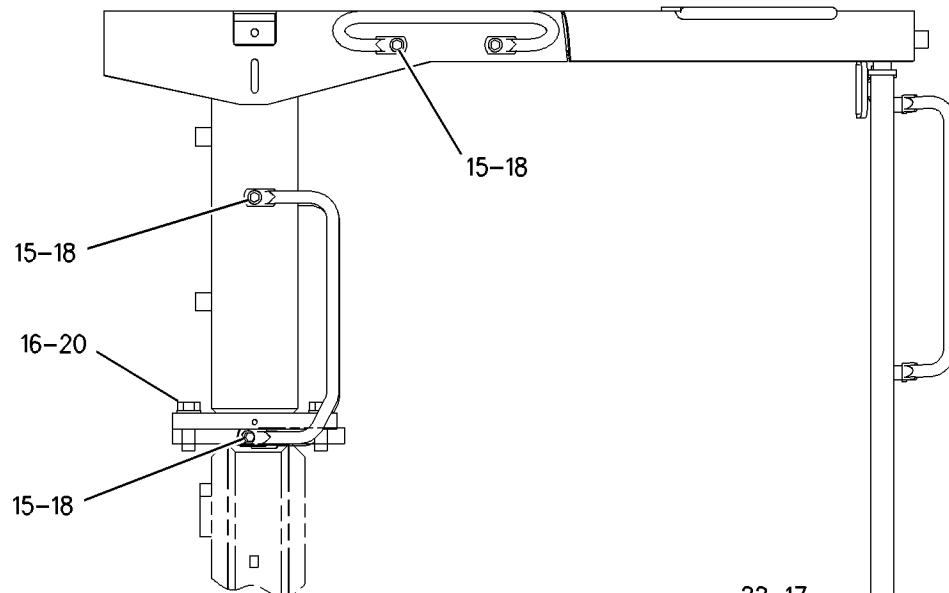
C-CHANGE FROM PREVIOUS TYPE

Y-SEPARATE ILLUSTRATION

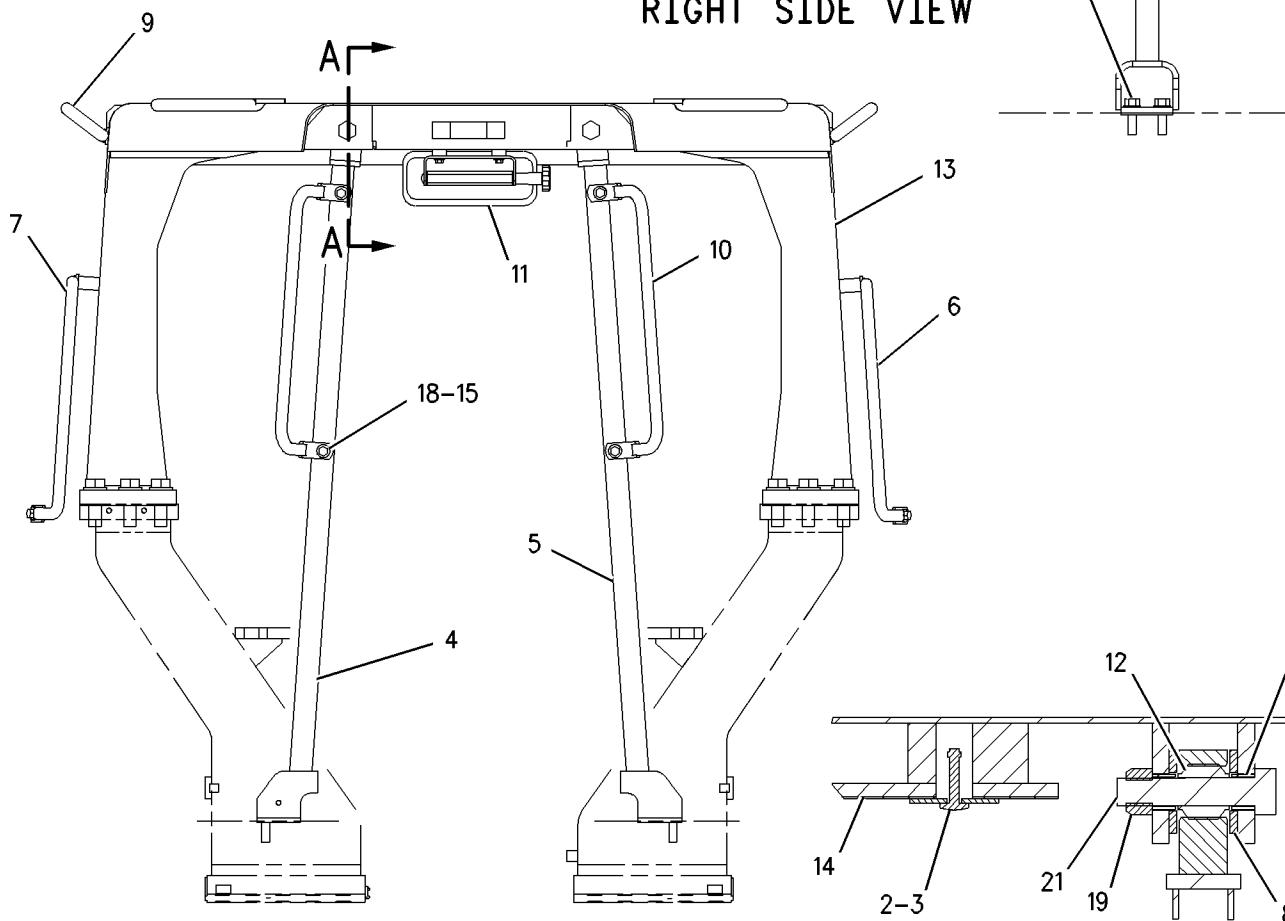
# OPERATOR STATION

113-4260 ROPS GP (contd.)

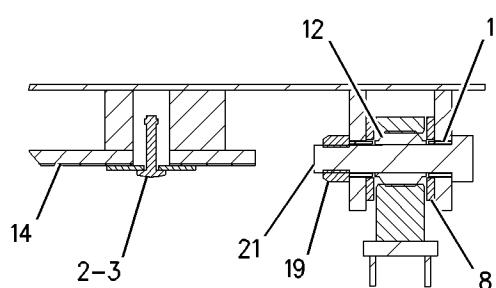
i01419413



RIGHT SIDE VIEW



FRONT VIEW



SECTION A-A

GRAPHIC #1

g00684911

# OPERATOR STATION

**116-4080 ROPS GP**

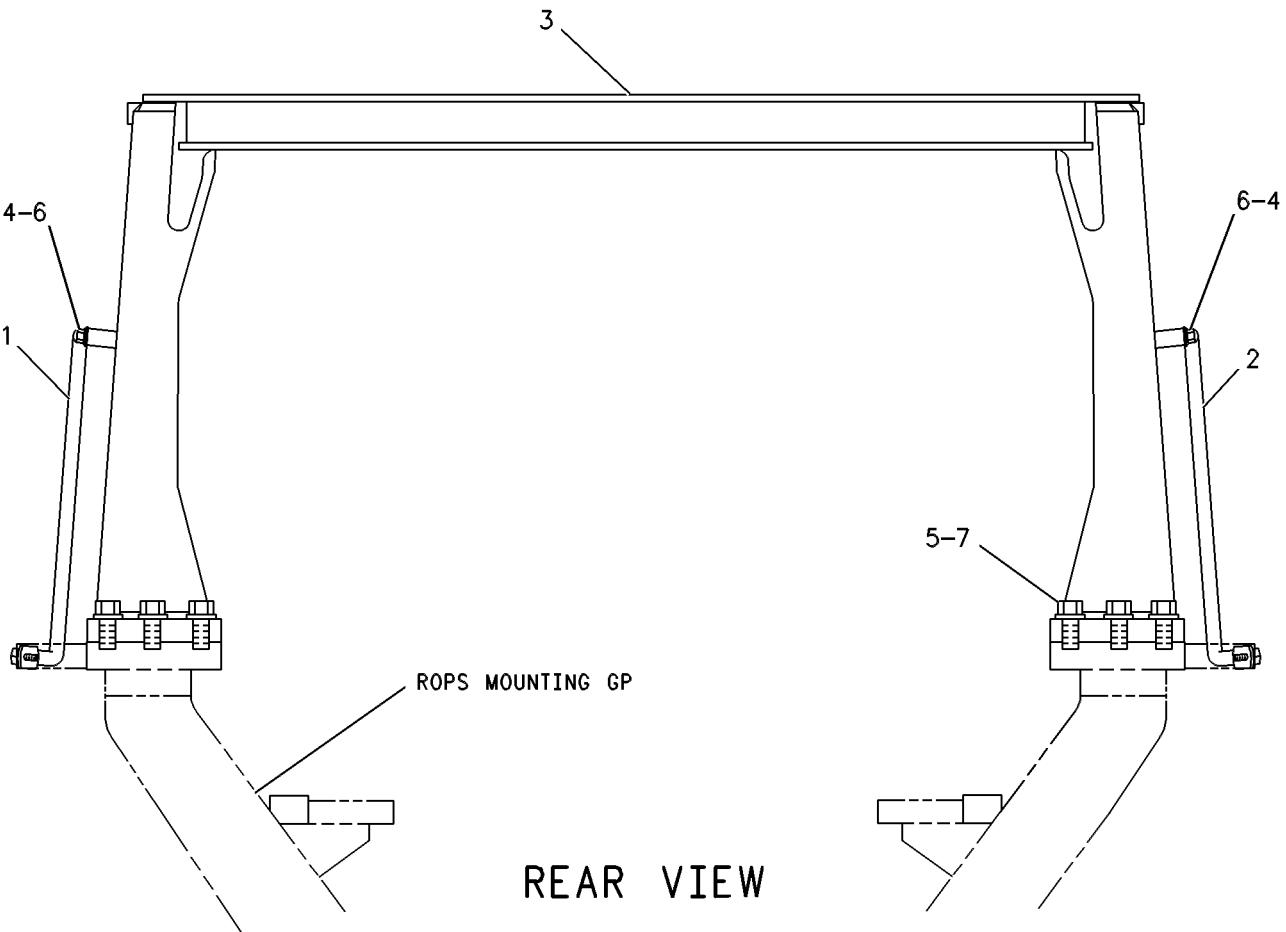
S/N: 9EM1-1019

PART OF 112-6665 CAB AR  
AN ATTACHMENT

SMCS-7323, 7325

i00850587

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		8E-1536	1	HANDHOLD-LH						
2	1		8E-1537	1	HANDHOLD-RH						
3	1		117-6579	1	ROLLOVER AS						
4	1		5P-1076	4	WASHER-HARD (4MM THK)						
5	1		7X-0531	12	WASHER-HARD (6.0MM THK)						
6	1		5C-6565	4	BOLT (1/2-13X1.25IN) (1/2-13X1.125IN)						
7	1		7X-0422	12	BOLT (1-1/8-7 THD)						



GRAPHIC #1

g00395685

# OPERATOR STATION

**116-4080 ROPS GP**

S/N: 9EM1-UP

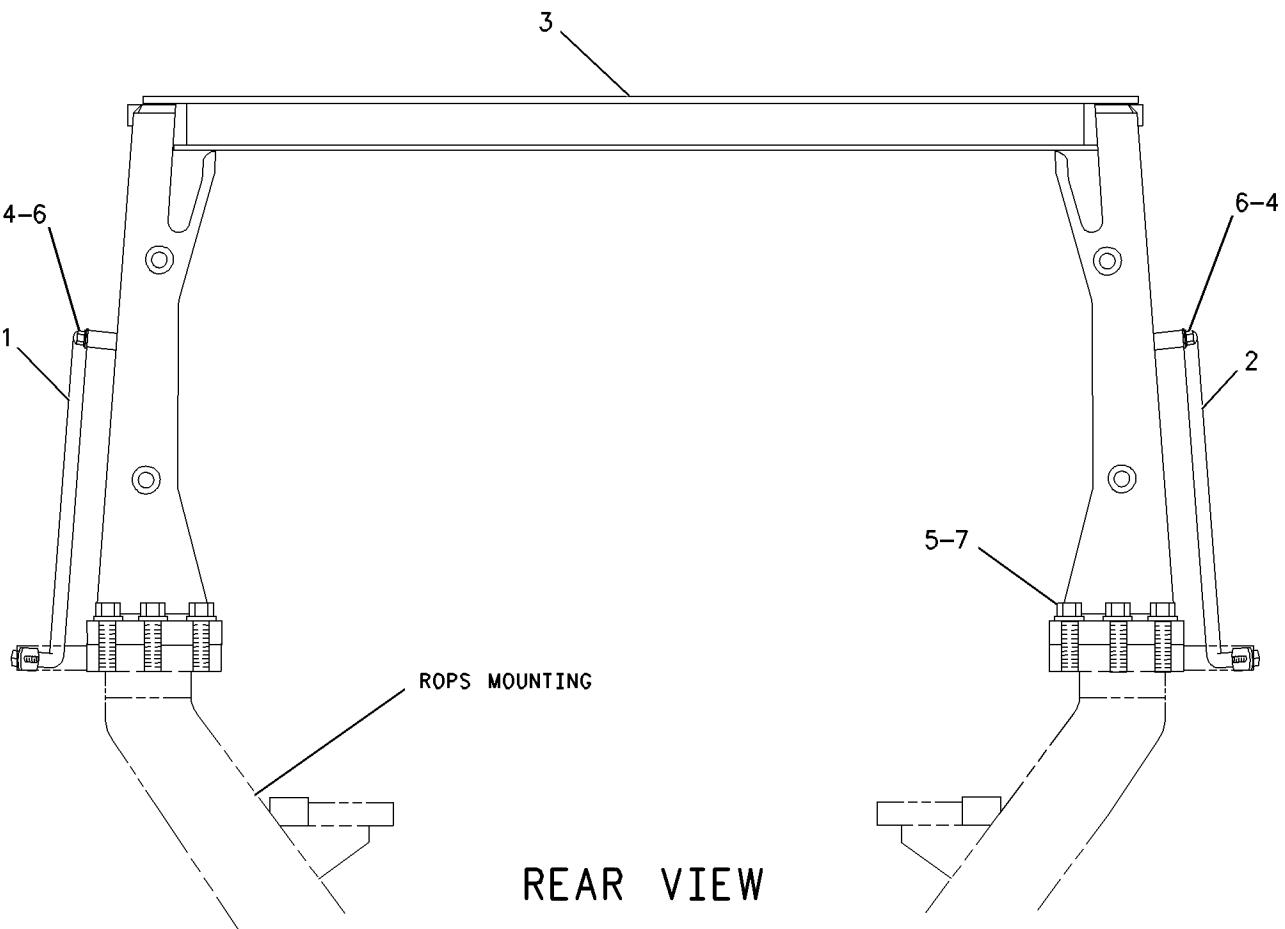
PART OF 112-6665, 200-8097 CAB AR  
AN ATTACHMENT

SMCS-7323, 7325

i01419449

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		8E-1536	1	HANDHOLD-LH						
2	1		8E-1537	1	HANDHOLD-RH						
C	3	1	159-8816	1	ROPS AS						
4	1		5P-1076	4	WASHER-HARD (13.5X30X4MM THK)						
5	1		7X-0531	12	WASHER-HARD (31X52.5X6MM THK)						
6	1		5C-6565	4	BOLT (1/2-13X1.25 IN)						
7	1		7X-0422	12	BOLT (1-1/8-7 THD)						

C - CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

g00755681

# OPERATOR STATION

**8E-9546 SEAT AR**

S/N: 9EM1-UP

VINYL

AN ATTACHMENT

SMCS-7312

i00571010

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	8Y-6179	1	SEAT GP-SUSPENSION						1155

Y - SEPARATE ILLUSTRATION

# OPERATOR STATION

**164-9429 SEAT AR**

S/N: 9EM1-UP

VINYL

AN ATTACHMENT

SMCS-7312

i01613711

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	159-2950	1	SEAT GP-SUSPENSION						1158
Y-SEPARATE ILLUSTRATION									

# OPERATOR STATION

## 8Y-3792 SEAT BELT GP

S/N: 9EM1-UP

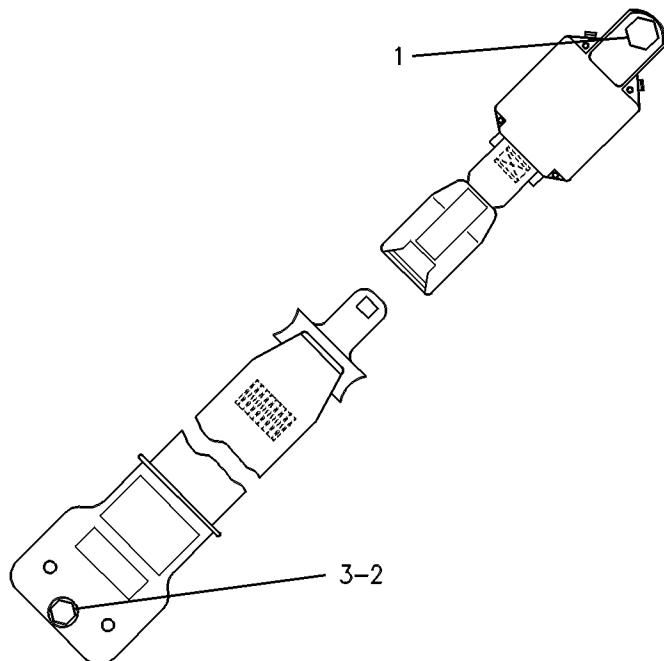
RETRACTABLE

PART OF 8Y-6138, 8Y-6179 SEAT GP-SUSPENSION  
ALSO AN ATTACHMENT

SMCS-7327

i00528621

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		8S-0934	1	LOCKNUT - FLANGE (7/16-20 THD)						
2	1		8T-5360	1	WASHER (2.5MM THK)						
3	1		8Y-5953	2	BOLT-HEX (7/16-20X1.5IN)						



GRAPHIC #1

g00084568

# OPERATOR STATION

## 122-4617 SEAT BELT GP

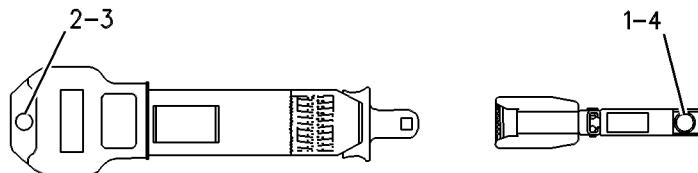
S/N: 9EM1-UP

PART OF 8Y-6138, 8Y-6179 SEAT GP-SUSPENSION  
ALSO AN ATTACHMENT

SMCS-7327

i01094807

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		4D-6432	1	LOCKNUT (7/16-20 THD)						
2	1		8T-5360	1	WASHER (2.5MM THK)						
3	1		8Y-5953	1	BOLT-HEX (7/16-20X1.5IN)						
4	1		1A-4350	1	BOLT (7/16-20X1.75IN)						



GRAPHIC #1

g00086974

# OPERATOR STATION

## 156-1148 SEAT BELT GP

S/N: 9EM1-1048

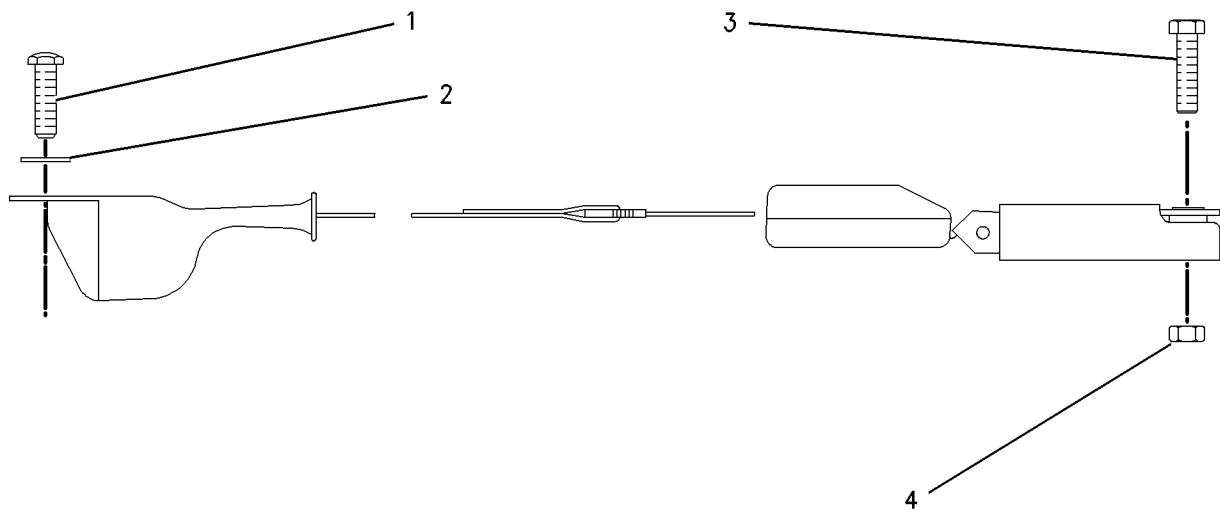
RETRACTABLE

PART OF 8Y-6138, 8Y-6179 SEAT GP-SUSPENSION  
ALSO AN ATTACHMENT

SMCS-7327

i01204029

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		8Y-5953	1	BOLT -HEX (7/16-20X1.5IN)						
2	1		8T-5360	1	WASHER (2.5MM THK)						
3	1		1A-4350	1	BOLT (7/16-20X1.75IN)						
4	1		4D-6432	1	LOCKNUT (7/16-20 THD)						



GRAPHIC #1

g00643863

# OPERATOR STATION

## 8Y-5976 SEAT GP

S/N: 9EM1-1049

VINYL

**PART OF 8Y-6179 SEAT GP-SUSPENSION  
ALSO AN ATTACHMENT**

**SMCS-7312**

**i01322023**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6 (PRODUCT LEVEL)		
	1	1	<b>8Y-5947</b>	4	FASTENER							
Y	2	1	<b>8Y-5992</b>	1	PAN GP-SEAT (BOTTOM)							1104
	3	1	<b>9X-8918</b>	10	SCREW-FLAT HEAD (8-32X0.50 IN)							
	4	1	<b>9L-7469</b>	2	LOCKPIN							
	5	1	<b>5P-7076</b>	2	BOLT-12 POINT HEAD (7/16-20 THD) -OR-							
	1		<b>7B-7525</b>	2	BOLT-SOCKET HEAD (7/16-14X1.25 IN)							
	6	1	<b>2K-4973</b>	6	LOCKNUT (3/8-16 THD)							
	7	1	<b>8Y-5929</b>	1	PLATE AS-SLIDE							
	1		<b>4K-9097</b>	6	NUT-WELD (5/16-18 THD)							
	8	1	<b>8Y-5930</b>	1	BAR AS-SLIDE							
	9	1	<b>8Y-5931</b>	1	BAR AS-LATCH							
	10	1	<b>8S-7803</b>	2	RING-RETAINING							
	11	1	<b>8Y-5932</b>	1	LATCH AS							
	12	1	<b>8Y-5936</b>	1	SPRING							
	13	1	<b>095-0878</b>	1	PIN-SPRING							
	14	1	<b>8Y-5981</b>	2	BUSHING-BACKREST							
	15	1	<b>8Y-5928</b>	2	SPRING							
	16	1	<b>2B-2695</b>	4	BOLT (5/16-18X.875 IN)							
	17	1	<b>8Y-5937</b>	1	BRACKET AS-RH							
	18	1	<b>8Y-5938</b>	1	BRACKET AS-LH							
	19	1	<b>7U-4898</b>	6	SCREW (3/8-16X0.75 IN)							
	20	1	<b>1C-0569</b>	2	BOLT (5/16-18X.5 IN)							
	21	1	<b>8Y-5979</b>	1	PIN							
	22	1	<b>6V-2456</b>	2	RING-RETAINING							
	23	1	<b>8Y-6834</b>	1	SPRING-LH							
	24	1	<b>8Y-6833</b>	1	SPRING-RH							
	25	1	<b>8Y-5909</b>	1	PAN GP-SEAT (BACK)							
B	26	1	<b>061-8803</b>	4	SHIM (1.52MM THK)							
	27	1	<b>8Y-6051</b>	2	SPACER (14.24MM THK)							

AVAILABLE REPAIR KIT(S) :

<b>8Y-6933</b>	1	KIT-TILT PAN (INCLUDES PAN AS, FASTENERS & LOCK PINS)
<b>112-4577</b>	1	KIT-SEAT KNOB (INCLUDES KNOBS & SCREWS)
<b>8Y-5955</b>	1	KIT-BACK CUSHION (INCLUDES CUSHION AS & FASTENERS)
<b>8Y-5957</b>	1	KIT-SEAT CUSHION (INCLUDES CUSHION AS & FASTENERS)
<b>149-4745</b>	1	KIT-SLIDER BLOCK (INCLUDES BOLT & SLIDER BLOCKS)

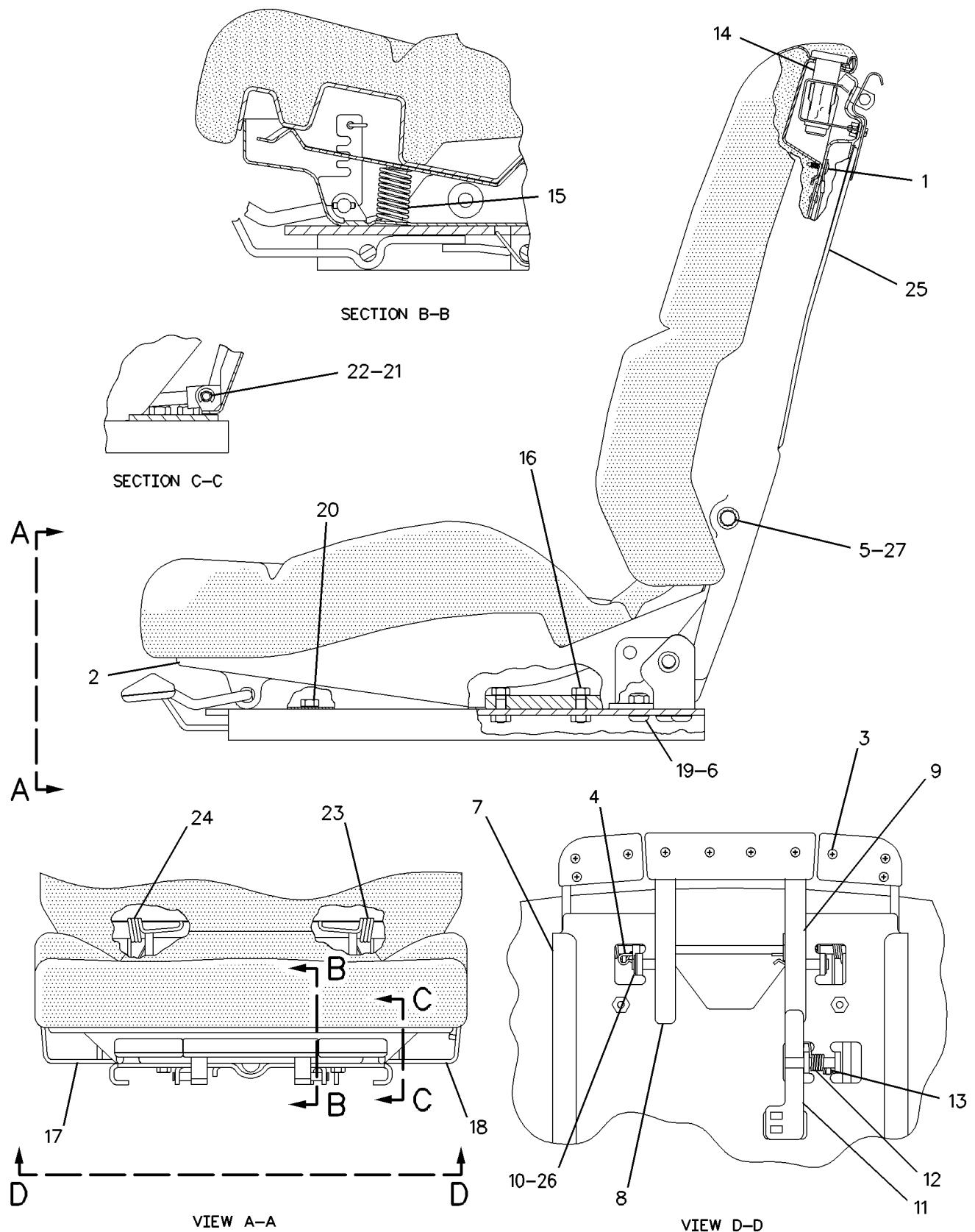
B-USE AS REQUIRED

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

8Y-5976 SEAT GP (contd.)

i01322023



GRAPHIC #1

g00667211

# OPERATOR STATION

## 8Y-5986 SEAT GP-CLOTH

S/N: 9EM1-1253

LUMBAR

**PART OF 8Y-6138 SEAT GP-SUSPENSION  
AN ATTACHMENT**

**SMCS-7312**

**i01145031**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
JN	1	1	<b>8Y-5947</b>	4	FASTENER							
Y	2	1	<b>8Y-5992</b>	1	PAN GP-SEAT (BOTTOM)							1104
L	3	1	<b>113-0899</b>	10	SCREW-FLAT HEAD (6-20X.5IN)							
J	4	1	<b>9L-7469</b>	2	LOCKPIN							
	5	1	<b>5P-7076</b>	2	BOLT-12 POINT HEAD (7/16-20X1.25IN) -OR-							
		1	<b>7B-7525</b>	2	BOLT-SOCKET HEAD (7/16-14X1.25IN)							
	6	1	<b>2K-4973</b>	6	LOCKNUT (3/8-16 THD)							
	7	1	<b>8Y-5929</b>	1	PLATE AS-SLIDE							
		1	<b>4K-9097</b>	6	NUT-WELD (5/16-18 THD)							
	8	1	<b>8Y-5930</b>	1	BAR AS-SLIDE							
	9	1	<b>8Y-5931</b>	1	BAR AS-LATCH							
	10	1	<b>8S-7803</b>	2	RING-RETAINING							
	11	1	<b>8Y-5932</b>	1	LATCH AS							
	12	1	<b>8Y-5936</b>	1	SPRING							
	13	1	<b>095-0878</b>	1	PIN-SPRING							
	14	1	<b>8Y-5981</b>	2	BUSHING-BACKREST							
	15	1	<b>8Y-5928</b>	2	SPRING							
	16	1	<b>2B-2695</b>	4	BOLT (5/16-18X.875IN)							
	17	1	<b>8Y-5937</b>	1	BRACKET AS-RH							
	18	1	<b>8Y-5938</b>	1	BRACKET AS-LH							
	19	1	<b>7U-4898</b>	6	SCREW (3/8-16X0.75IN)							
	20	1	<b>1C-0569</b>	2	BOLT (5/16-18X.5IN)							
	21	1	<b>8Y-5979</b>	1	PIN							
	22	1	<b>6V-2456</b>	2	RING-RETAINING							
	23	1	<b>8Y-6834</b>	1	SPRING-LH							
	24	1	<b>8Y-6833</b>	1	SPRING-RH							
C	25	1	<b>108-8421</b>	1	PAN GP-SEAT (BACK)							
	26	1	<b>8Y-5903</b>	2	CAM							
	27	1	<b>8Y-6006</b>	1	LID AS							
	28	1	<b>8Y-6010</b>	1	LANYARD							
A	1		<b>5P-7958</b>		SLEEVE-CABLE SPLICE							
C	29	1	<b>4S-8287</b>	8	RIVET-POP (6MM DIA)							
	30	1	<b>8Y-5972</b>	1	LATCH							
	31	1	<b>9M-5733</b>	2	RIVET-POP (4.78MM DIA)							
	32	1	<b>3E-4336</b>	1	STUD-BALL							
	33	1	<b>3E-4335</b>	1	CLIP							
E	34	1	<b>3E-6575</b>		SEAL (76CM)							
	35	1	<b>8F-1462</b>	1	WASHER-PLATED							
	36	1	<b>2F-7306</b>	1	SCREW-MACHINE (6-32X.25IN)							
	37	1	<b>3E-4362</b>	2	PIN-SPRING							
C	38	1	<b>108-8423</b>	1	SHAFT AS-LUMBAR							
C	39	1	<b>108-8424</b>	1	PAN-LUMBAR							
B	40	1	<b>061-8803</b>	4	SHIM (1.52MM THK)							
C	41	1	<b>108-8426</b>	1	CUSHION AS-BACK							
	42	1	<b>8Y-6051</b>	2	SPACER (14.24MM THK)							
					AVAILABLE REPAIR KIT(S) :							
J			<b>8Y-6933</b>	1	KIT-TILT PAN							
L			<b>112-4577</b>	1	KIT-SEAT KNOB							
N			<b>8Y-5891</b>	1	KIT-SEAT CUSHION							

# OPERATOR STATION

**8Y-5986 SEAT GP (contd.)**

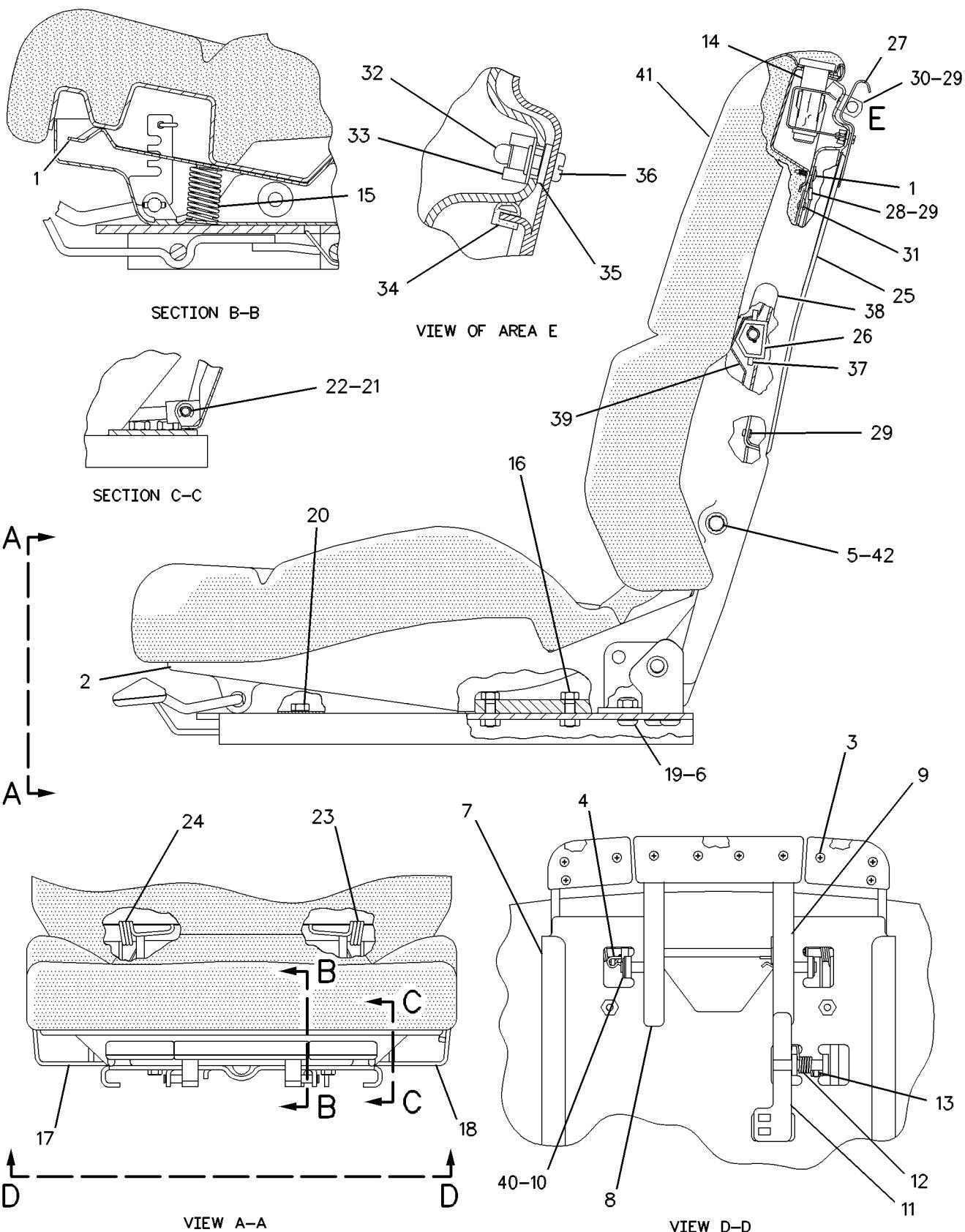
**i01145031**

A-NOT PART OF THIS GROUP  
B-USE AS REQUIRED  
C-CHANGE FROM PREVIOUS TYPE  
E-ORDER BY THE CENTIMETER  
J-KIT MARKED J INCLUDES PART MARKED J  
L-KIT MARKED L INCLUDES PART MARKED L  
N-KIT MARKED N INCLUDES PART MARKED N  
Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

8Y-5986 SEAT GP (contd.)

i01145031



GRAPHIC #1

g00607064

# OPERATOR STATION

## 180-7304 SEAT GP

S/N: 9EM1049-UP

VINYL

PART OF 184-6011 SEAT GP

ALSO AN ATTACHMENT

SMCS-7312

i01437550

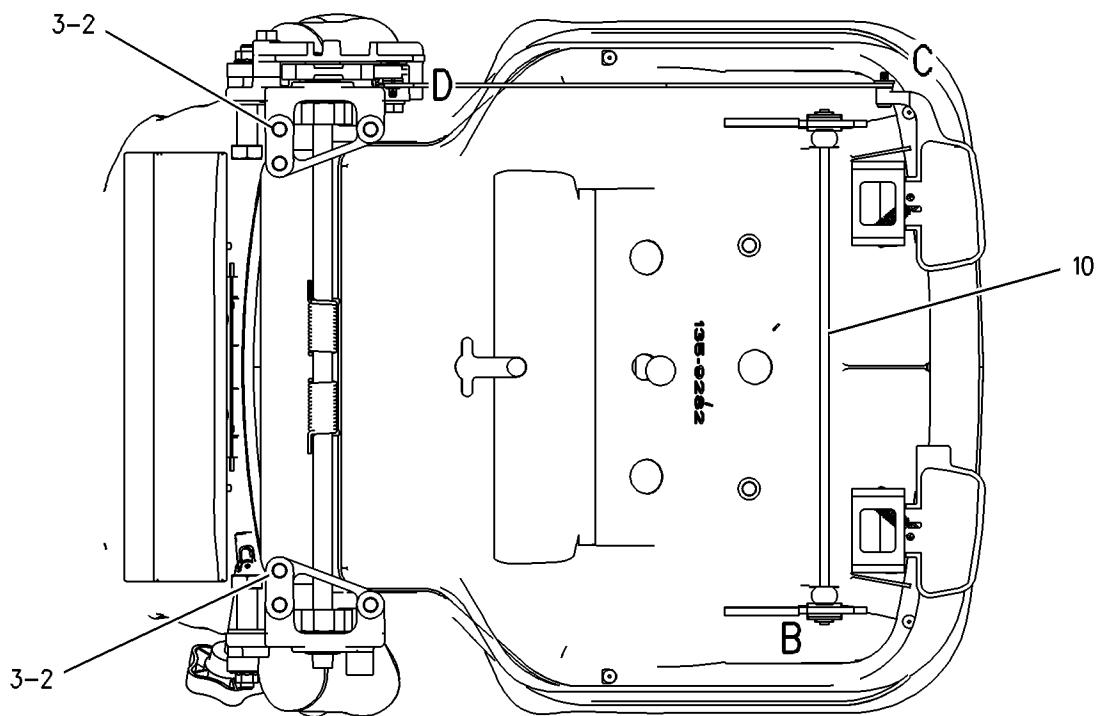
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
1	1		<b>6K-3273</b>	5	RIVET-POP (6.4MM DIA)							
	1		<b>169-1026</b>	1	CUSHION AS							
2	1		<b>143-1288</b>	8	LOCKNUT-FLANGE							
3	1		<b>171-1230</b>	6	SCREW-BUTTON HEAD							
4	1		<b>171-6682</b>	1	BAR-RECLINER							
5	1		<b>172-2416</b>	2	PIN							
Y	6	1	173-1028	1	ADJUSTER GP-SEAT							982
	7	1	<b>177-1863</b>	2	BOLT-PIVOT							
Y	8	1	177-4935	1	RECLINER GP-SEAT							1123
Y	9	1	180-7305	1	PAN GP-BACKREST (BACK)							1101
10	1		<b>184-2298</b>	1	ROD							
11	1		<b>184-2299</b>	4	WASHER							
12	1		<b>095-0843</b>	2	COTTER							
13	1		<b>8Y-6277</b>	2	SPACER (10.0MM THK)							
14	1		<b>5V-1496</b>	2	RETAINER							
15	1		<b>6V-7646</b>	2	WASHER-HARD (7.2X25X2MM THK)							
16	1		<b>8T-0328</b>	1	WASHER-HARD (5.5X10X1MM THK)							
17	1		<b>8T-4205</b>	1	WASHER-HARD (7.2X14.5X2MM THK)							

Y- SEPARATE ILLUSTRATION

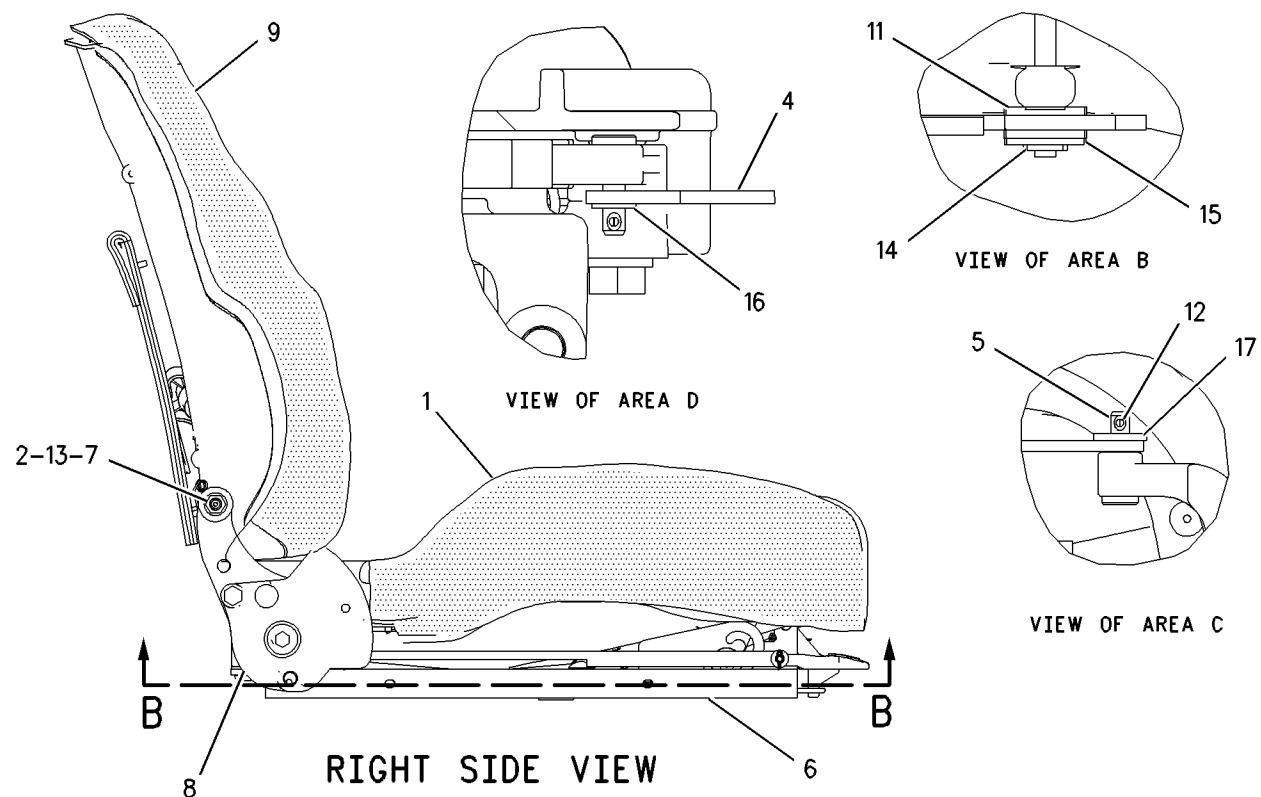
# OPERATOR STATION

180-7304 SEAT GP (contd.)

i01437550



SECTION A-A



GRAPHIC #1

g00726860

# OPERATOR STATION

## 180-7306 SEAT GP

S/N: 9EM1254-UP

### PART OF 184-6012 SEAT GP

AN ATTACHMENT

SMCS-7312

i01582186

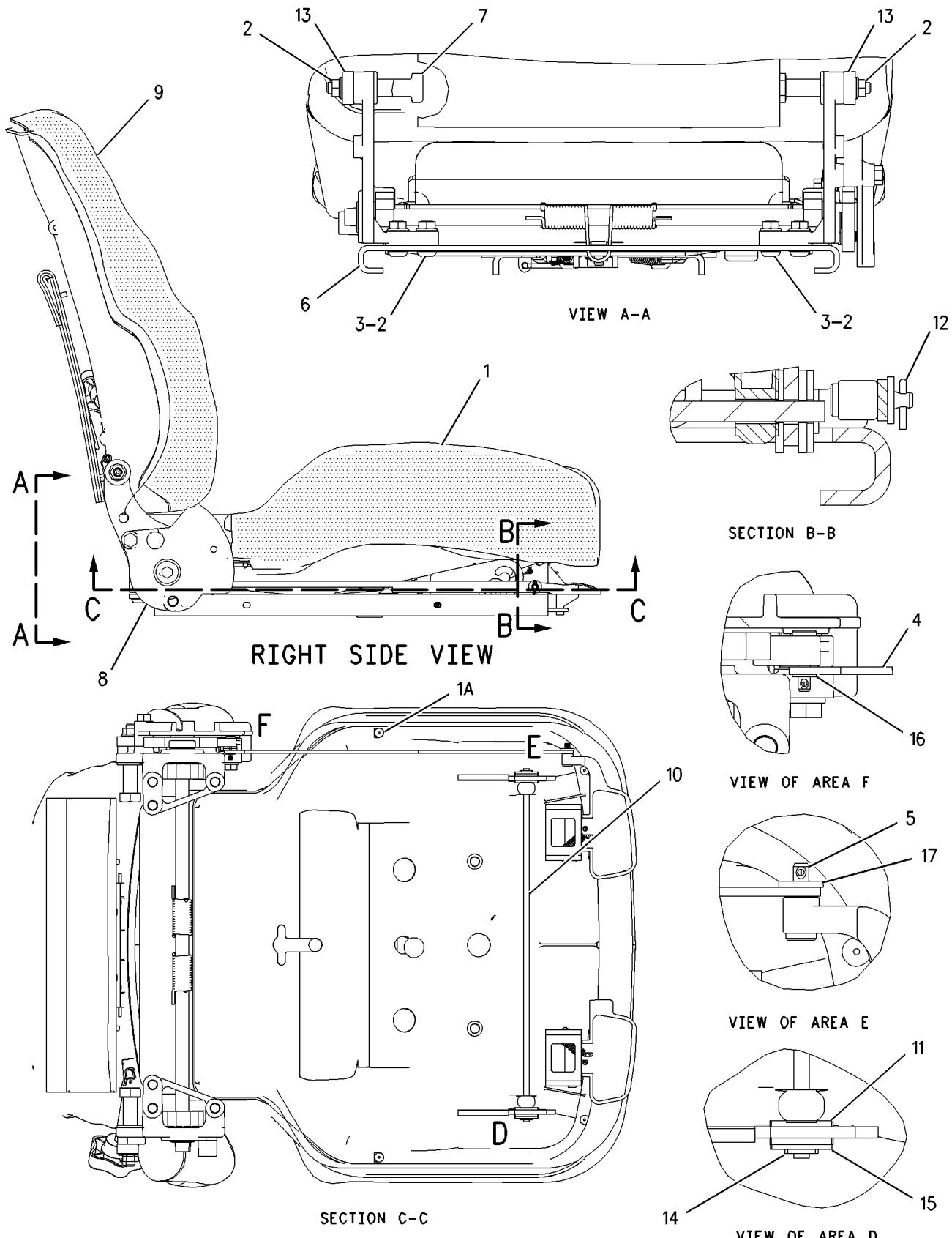
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		172-6581	1	PAN AS						
			169-1025	1	CUSHION AS						
1A	1		6K-3273	5	RIVET-POP						
2	1		143-1288	8	LOCKNUT-FLANGE						
3	1		171-1230	6	SCREW-BUTTON HEAD (3/8-16X1 IN)						
4	1		171-6682	1	BAR-RECLINER						
5	1		172-2416	2	PIN						
Y	6	1	173-1028	1	ADJUSTER GP-SEAT (SEAT)						982
	7	1	177-1863	2	BOLT-PIVOT (3/8-16X2.89 IN)						
Y	8	1	177-4935	1	RECLINER GP-SEAT						1123
Y	9	1	180-7307	1	PAN GP-BACKREST						1102
10	1		184-2298	1	ROD						
11	1		184-2299	4	WASHER (7X25.4X2.54MM THK)						
12	1		095-0843	2	PIN-COTTER						
13	1		8Y-6277	2	SPACER (10.5X28.6X10MM THK)						
14	1		5V-1496	2	RETAINER						
15	1		6V-7646	2	WASHER-HARD (7.2X25X2MM THK)						
16	1		8T-0328	1	WASHER-HARD (5.5X10X1MM THK)						
17	1		8T-4205	1	WASHER-HARD (7.2X14.5X2MM THK)						

Y - SEPARATE ILLUSTRATION

# OPERATOR STATION

180-7306 SEAT GP (contd.)

i01582186



GRAPHIC #1

g00756257

# OPERATOR STATION

## 184-6011 SEAT GP

S/N: 9EM1049-UP

VINYL

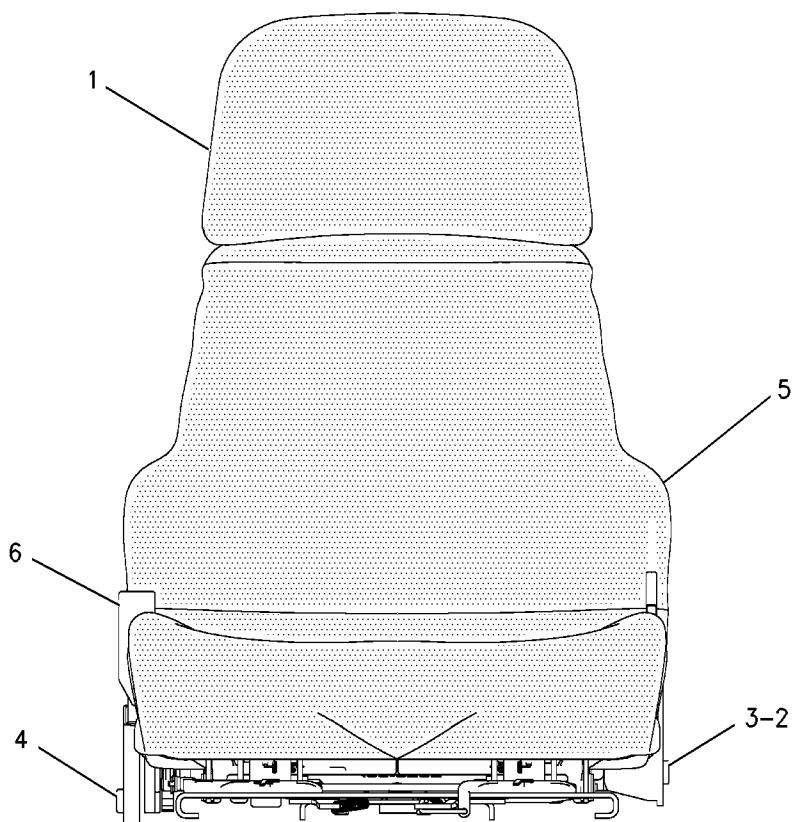
PART OF 159-2950 SEAT GP-SUSPENSION  
ALSO AN ATTACHMENT

SMCS-7312

i01437523

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		173-3083	1	EXTENSION GP-BACKREST						
2	1		177-4937	1	SPACER (12.7MM ID)						
3	1		180-5559	1	SCREW-PAN HEAD (7/16-20X1.75 IN)						
4	1		180-5560	1	SCREW-PAN HEAD (7/16-20X1.25 IN)						
Y	5	1	180-7304	1	SEAT GP						1142
	6	1	183-3648	1	SEAT BELT GP						

Y-SEPARATE ILLUSTRATION



FRONT VIEW

GRAPHIC #1

g00683843

# OPERATOR STATION

**184-6012 SEAT GP**

S/N: 9EM1254-UP

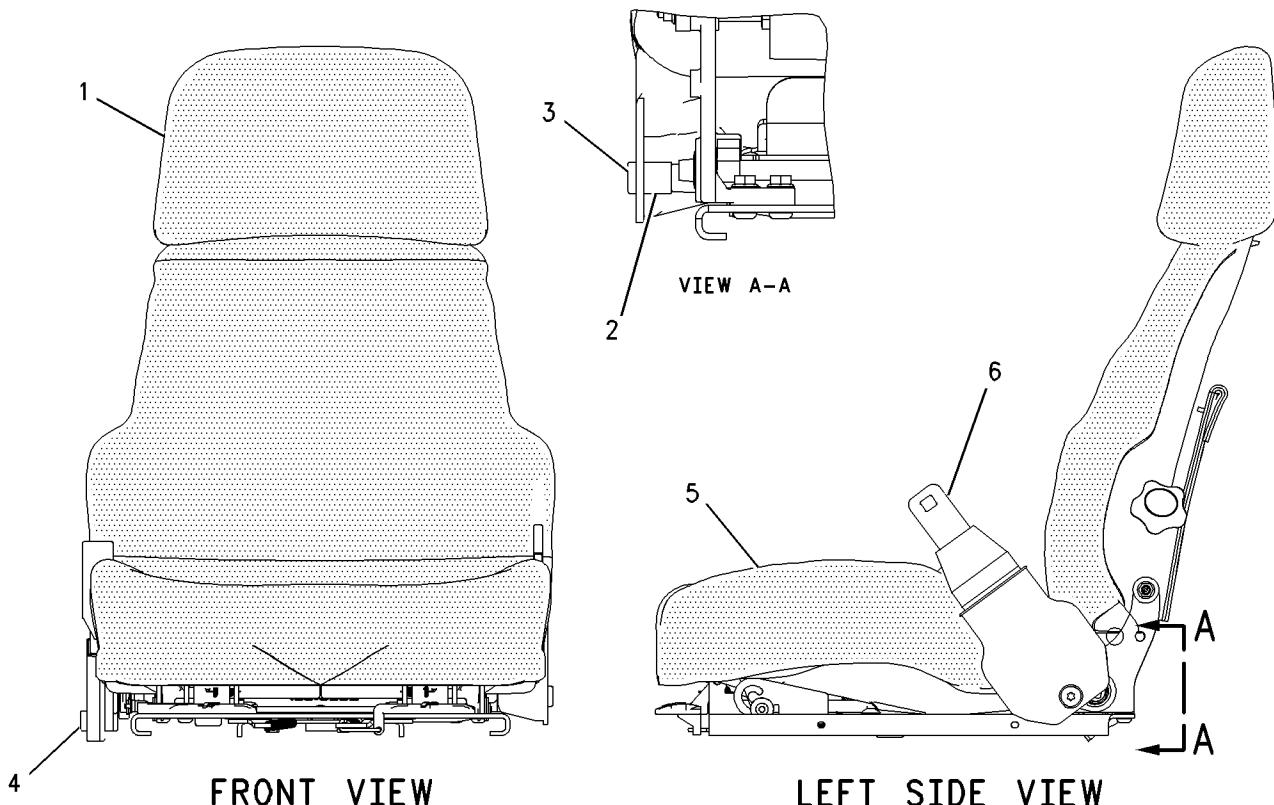
PART OF 159-2951 SEAT GP-SUSPENSION  
AN ATTACHMENT

SMCS-7312

i01582178

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1	1	173-3084	1	EXTENSION GP-BACKREST						
2	1	1	177-4937	1	SPACER (11.7X19.8X20.3MM THK)						
3	1	1	180-5559	1	SCREW-PAN HEAD (7/16-20X1.75 IN)						
4	1	1	180-5560	1	SCREW-PAN HEAD (7/16-20X1.25 IN)						
Y	5	1	180-7306	1	SEAT GP						1144
	6	1	183-3648	1	SEAT BELT GP						

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00682472

# OPERATOR STATION

**196-6795 SEAT GP**

S/N: 9EM1049-UP

**SMCS-7312**

**i01467224**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
1	1		<b>8E-1734</b>	1	CUSHION AS-LH							
2	1		<b>9U-9400</b>	1	CUSHION AS							
3	1		<b>6I-8416</b>	1	CUSHION AS							
					(EACH CUSHION AS INCLUDES)							
M	1		<b>5C-2890</b>	2	NUT (M6X1 THD)							
	1		<b>9X-2038</b>	4	WASHER (7X19X2MM THK)							
M	1		<b>9X-2045</b>	2	SCREW-TRUSS HEAD (M6X1X20MM)							
4	1		<b>8E-5044</b>	1	CUSHION AS-RH							
5	1		<b>8E-1585</b>	1	PLATE							
6	1		<b>153-8498</b>	2	SCREW-FLAT HEAD (5/16-18X0.75 IN)							
Y	7	1	<b>159-2950</b>	1	SEAT GP-SUSPENSION							1158
8	1		<b>7X-0469</b>	5	BOLT (3/8-24X0.88 IN)							
9	1		<b>5P-1075</b>	5	WASHER-HARD (10.2X22.5X3MM THK)							
10	1		<b>5M-3062</b>	8	BOLT (3/8-16X0.75 IN)							
11	1		<b>8T-4222</b>	4	WASHER-PLATED (11X32X2.5MM THK)							
12	1		<b>8T-4896</b>	4	WASHER-HARD (10.2X18.5X2.5MM THK)							
13	1		<b>9W-5054</b>	1	PLATE							
M	14	1	<b>9X-2045</b>	4	SCREW-TRUSS HEAD (M6X1X20MM)							
	15	1	<b>9X-2038</b>	4	WASHER (7X19X2MM THK)							

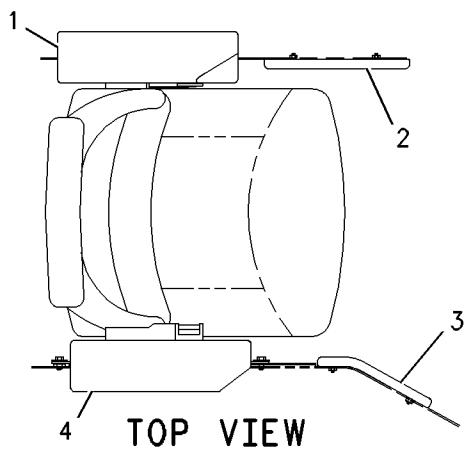
M-METRIC PART

Y-SEPARATE ILLUSTRATION

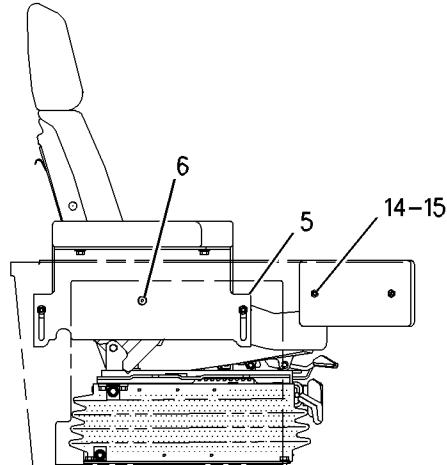
# OPERATOR STATION

196-6795 SEAT GP (*contd.*)

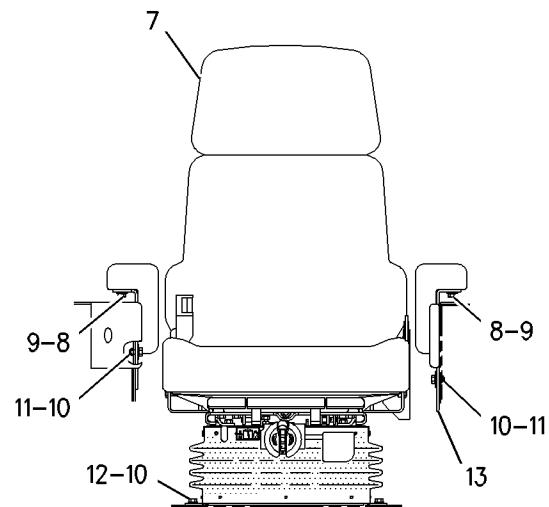
i01467224



TOP VIEW



RIGHT SIDE VIEW



FRONT VIEW

GRAPHIC #1

g00804747

# OPERATOR STATION

## 8E - 5166 SEAT GP - SUSPENSION

S/N: 9EM1-1048

SMCS-7321, 7324, 7336

i01040096

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
	1	1	8E-1734	1	CUSHION AS (LH)							
C	2	1	9U-9400	1	CUSHION AS							
M		1	5C-2890	2	NUT (M6X1.00 THD)							
		1	9X-2038	4	WASHER (2MM THK)							
M		1	9X-2045	2	SCREW-TRUSS HEAD (M6X1X20MM)							
	3	1	6I-8416	1	CUSHION AS							
M		1	5C-2890	2	NUT (M6X1.00 THD)							
		1	9X-2038	4	WASHER (2MM THK)							
M		1	9X-2045	2	SCREW-TRUSS HEAD (M6X1X20MM)							
4	1	8E-5044	1	CUSHION AS-RH								
5	1	8E-1585	1	PLATE								
6	1	153-8498	2	SCREW-FLAT HEAD								
Y	7	1	8Y-6179	1	SEAT GP - SUSPENSION							1155
C	8	1	7X-0469	5	BOLT							
		1	5P-1075	5	WASHER-HARD (3MM THK)							
M	9	1	9X-2045	4	SCREW-TRUSS HEAD (M6X1X20MM)							
C		1	9X-2038	4	WASHER (2MM THK)							
10	1	5M-3062	8	BOLT (3/8-16X.75IN)								
11	1	8T-4222	4	WASHER-PLATED (2.5MM THK)								
C	12	1	8T-4896	4	WASHER-HARD (2.5MM THK)							
	13	1	9W-5054	1	PLATE							

C-CHANGE FROM PREVIOUS TYPE

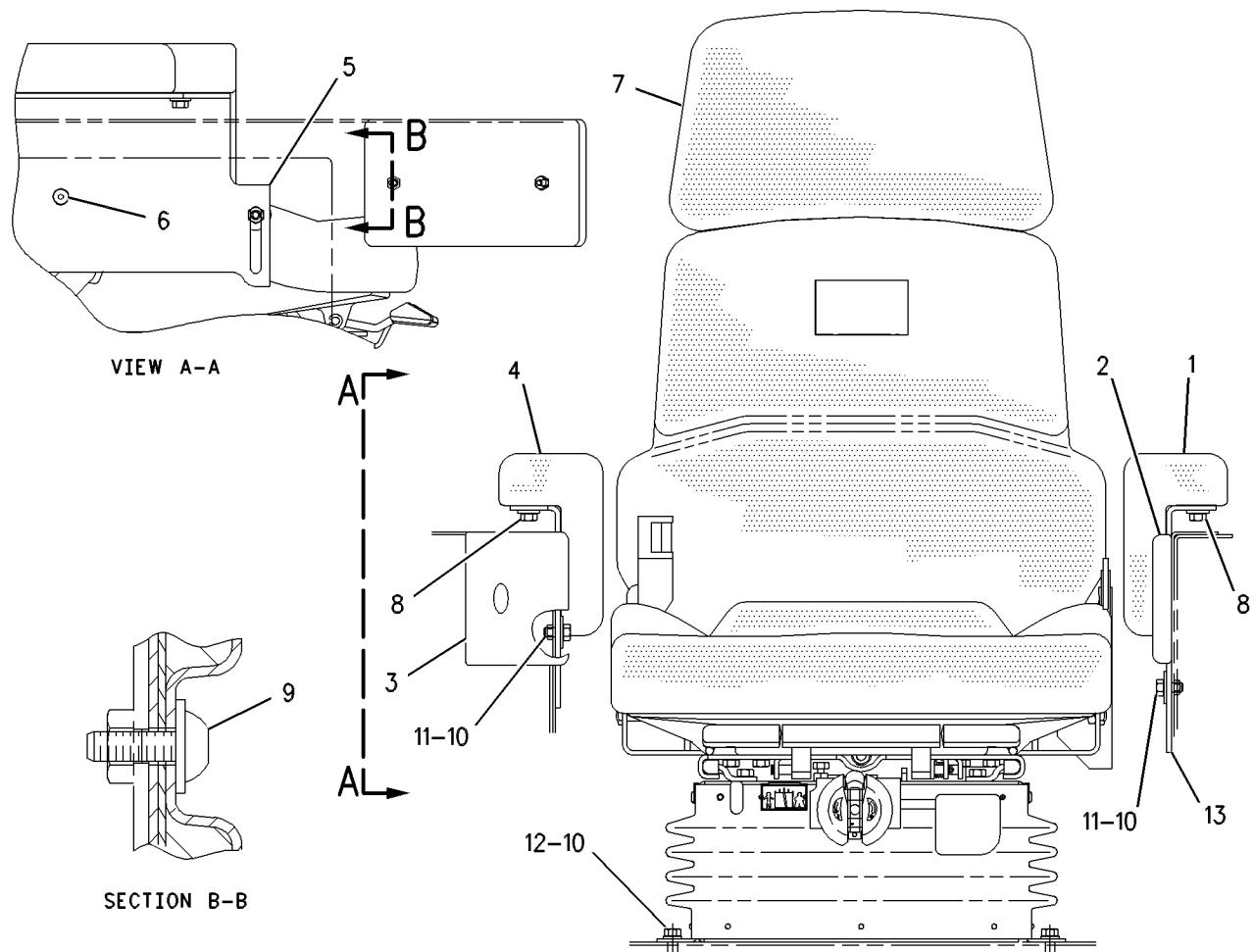
M-METRIC PART

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

8E-5166 SEAT GP-SUSPENSION (*contd.*)

i01040096



GRAPHIC #1

g00538210

# OPERATOR STATION

## 8Y-6138 SEAT GP - SUSPENSION

S/N: 9EM1-UP  
**FABRIC-LUMBAR**  
**PART OF 112-6665 CAB AR**  
**AN ATTACHMENT**  
**TYPE 1**

SMCS-7321, 7324, 7336

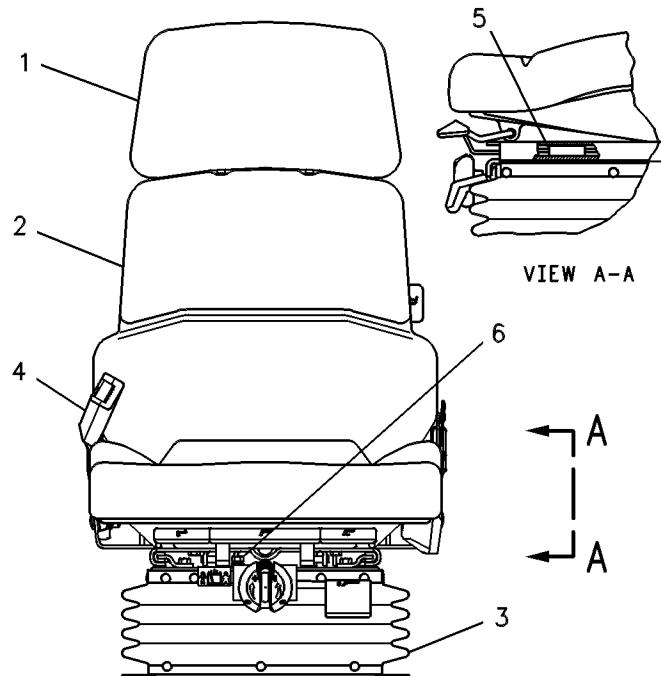
i01322181

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
Y	1	1	8Y-5874	1	EXTENSION GP-BACKREST							1028
Y	2	1	8Y-5986	1	SEAT GP (LUMBAR) (FABRIC)							1138
Y	3	1	108-4082	1	SUSPENSION GP-SEAT							1162
Y	4	1	8Y-3792	1	SEAT BELT GP (RETRACTABLE)							1132
ZJ	5	1		4	BLOCK-SLIDER							
J	6	1	4F-4879	1	BOLT (3/8-16X.5 IN)							
AVAILABLE REPAIR KIT(S):												
149-4745 1 KIT-SLIDER BLOCK												
(INCLUDES BLOCK & BOLT)												

J - REPAIR KIT MARKED J AVAILABLE FOR PART MARKED J

Y - SEPARATE ILLUSTRATION

Z - NOT SERVICED SEPARATELY



GRAPHIC #1

g00128658

# OPERATOR STATION

## 8Y-6138 SEAT GP - SUSPENSION

S/N: 9EM1-UP

FABRIC-LUMBAR

PART OF 112-6665 CAB AR

AN ATTACHMENT

TYPE 2

SMCS-7321, 7324, 7336

i01322214

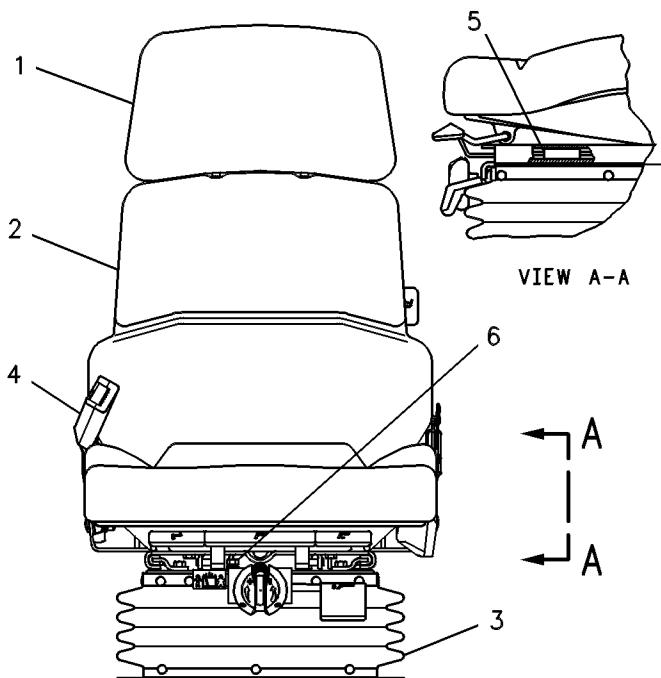
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	
					1	2	3	4	5	6		
Y	1	1	8Y-5874	1	EXTENSION GP - BACKREST							1028
Y	2	1	8Y-5986	1	SEAT GP (LUMBAR) (FABRIC)							1138
Y	3	1	108-4082	1	SUSPENSION GP - SEAT							1162
CY	4	1	122-4617	1	SEAT BELT GP (RETRACTABLE)							1133
JZ	5	1		4	BLOCK-SLIDER							
	6	1	4F-4879	1	BOLT (3/8-16X.5 IN)							
AVAILABLE REPAIR KIT(S):												
J			149-4745	1	KIT-SLIDER BLOCK (INCLUDES BLOCK & BOLT)							

C-CHANGE FROM PREVIOUS TYPE

J-REPAIR KIT(S) MARKED J AVAILABLE FOR PART MARKED J

Y-SEPARATE ILLUSTRATION

Z-NOT SERVICED SEPARATELY



GRAPHIC #1

g00128658

# OPERATOR STATION

## 8Y-6138 SEAT GP - SUSPENSION

S/N: 9EM1-1253

FABRIC-LUMBAR

PART OF 112-6665 CAB AR  
AN ATTACHMENT

SMCS-7321, 7324, 7336

i01322234

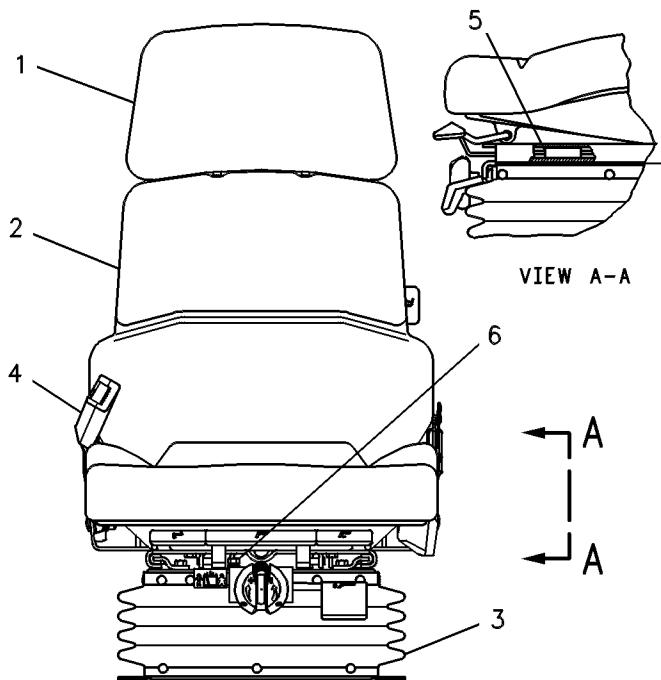
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
Y	1	1	8Y-5874	1	EXTENSION GP-BACKREST							1028
Y	2	1	8Y-5986	1	SEAT GP (LUMBAR) (FABRIC)							1138
Y	3	1	108-4082	1	SUSPENSION GP-SEAT							1162
CY	4	1	156-1148	1	SEAT BELT GP (RETRACTABLE)							1134
JZ	5	1		4	BLOCK-SLIDER							
	6	1	4F-4879	1	BOLT (3/8-16X.5 IN)							
AVAILABLE REPAIR KIT(S):												
J			149-4745	1	KIT-SLIDER BLOCK (INCLUDES BLOCK & BOLT)							

C-CHANGE FROM PREVIOUS TYPE

J-REPAIR KIT MARKED J AVAILABLE FOR PART MARKED J

Y-SEPARATE ILLUSTRATION

Z-NOT SERVICED SEPARATELY



GRAPHIC #1

g00128658

# OPERATOR STATION

## 8Y-6179 SEAT GP - SUSPENSION

S/N: 9EM1-UP

VINYL

PART OF 8E-9546 SEAT AR, 8E-5166 SEAT GP - SUSPENSION  
ALSO AN ATTACHMENT  
TYPE 1

SMCS-7321, 7324, 7336

i01322253

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
Y	1	1	8Y-5959	1	EXTENSION GP - BACKREST							1029
Y	2	1	8Y-5976	1	SEAT GP (VINYL) (LUMBAR)							1136
CY	3	1	108-4082	1	SUSPENSION GP - SEAT							1162
Y	4	1	8Y-3792	1	SEAT BELT GP (RETRACTABLE)							1132
JZ	5	1		4	BLOCK-SLIDER							
	6	1	4F-4879	1	BOLT (3/8-16X.5 IN)							

AVAILABLE REPAIR KIT(S):

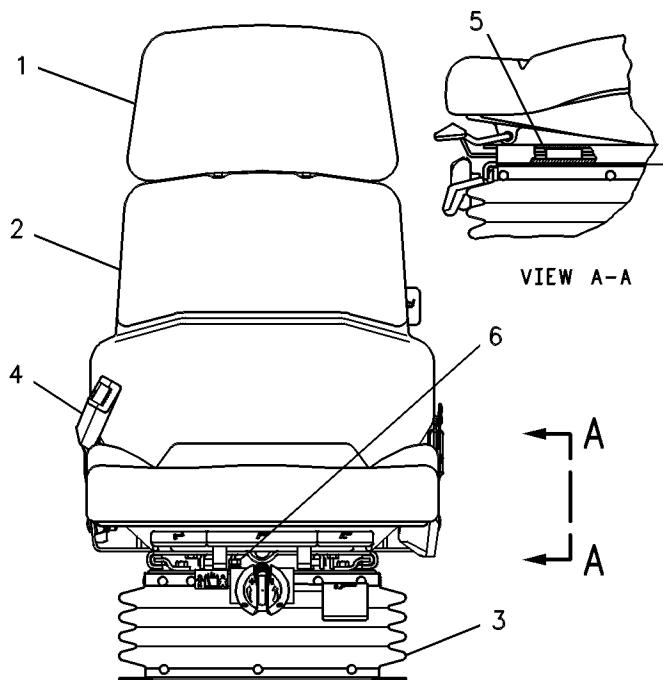
J	149-4745	1	KIT-SLIDER BLOCK (INCLUDES BLOCK AND BOLT)
---	----------	---	---

C-CHANGE FROM PREVIOUS TYPE

J-REPAIR KIT MARKED J AVAILABLE FOR PART MARKED J

Y-SEPARATE ILLUSTRATION

Z-NOT SERVICED SEPARATELY



GRAPHIC #1

g00128658

# OPERATOR STATION

## 8Y-6179 SEAT GP - SUSPENSION

S/N: 9EM1-UP

VINYL

PART OF 8E-9546 SEAT AR, 8E-5166 SEAT GP-SUSPENSION  
ALSO AN ATTACHMENT  
TYPE 2

SMCS-7321, 7324, 7336

i01322248

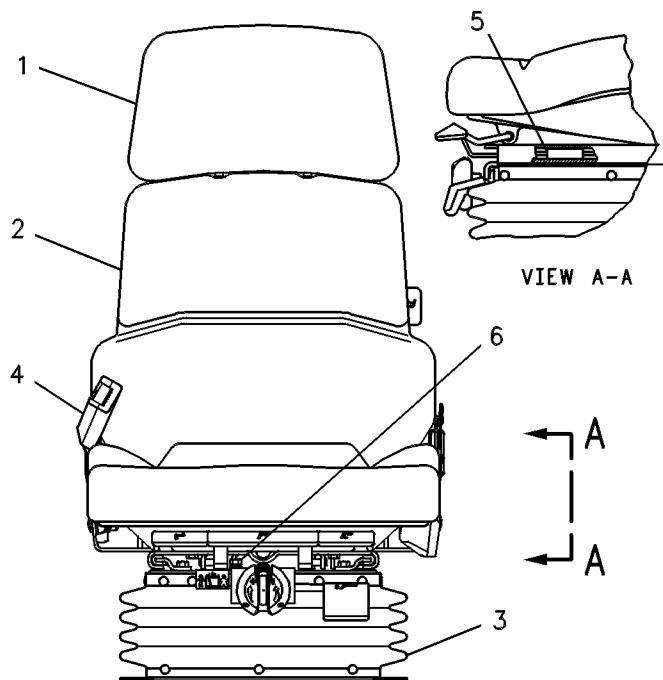
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
Y	1	1	8Y-5959	1	EXTENSION GP-BACKREST							1029
Y	2	1	8Y-5976	1	SEAT GP (VINYL) (LUMBAR)							1136
Y	3	1	108-4082	1	SUSPENSION GP-SEAT							1162
CY	4	1	122-4617	1	SEAT BELT GP (RETRACTABLE)							1133
JZ	5	1		4	BLOCK-SLIDER							
	6	1	4F-4879	1	BOLT (3/8-16X.5 IN)							
AVAILABLE REPAIR KIT(S):												
J			149-4745	1	KIT-SLIDER BLOCK (INCLUDES BLOCK & BOLT)							

C-CHANGE FROM PREVIOUS TYPE

J-REPAIR KIT MARKED J AVAILABLE FOR PART MARKED J

Y-SEPARATE ILLUSTRATION

Z-NOT SERVICED SEPARATELY



GRAPHIC #1

g00128658

# OPERATOR STATION

## 8Y-6179 SEAT GP - SUSPENSION

S/N: 9EM1-1048

VINYL

PART OF 8E-9546 SEAT AR, 8E-5166 SEAT GP - SUSPENSION  
ALSO AN ATTACHMENT

SMCS-7321, 7324, 7336

i01322258

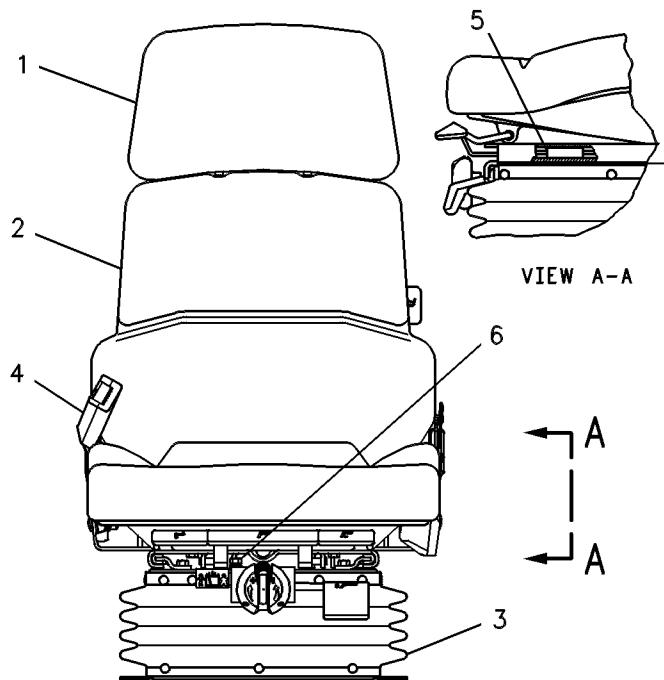
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6		
Y	1	1	8Y-5959	1	EXTENSION GP-BACKREST							1029
Y	2	1	8Y-5976	1	SEAT GP (VINYL) (LUMBAR)							1136
Y	3	1	108-4082	1	SUSPENSION GP-SEAT							1162
YC	4	1	156-1148	1	SEAT BELT GP (RETRACTABLE)							1134
JZ	5	1		4	BLOCK-SLIDER							
	6	1	4F-4879	1	BOLT (3/8-16X.5 IN)							
AVAILABLE REPAIR KIT(S):												
J			149-4745	1	KIT-SLIDER BLOCK (INCLUDES BLOCK AND BOLT)							

C-CHANGE FROM PREVIOUS TYPE

J-REPAIR KIT MARKED J AVAILABLE FOR PART MARKED J

Y-SEPARATE ILLUSTRATION

Z-NOT SERVICED SEPARATELY



GRAPHIC #1

g00128658

# OPERATOR STATION

## 159-2950 SEAT GP - SUSPENSION-VINYL

S/N: 9EM1049-UP

PART OF 164-9429 SEAT AR, 196-6795 SEAT GP  
ALSO AN ATTACHMENT

SMCS-7321, 7324, 7336

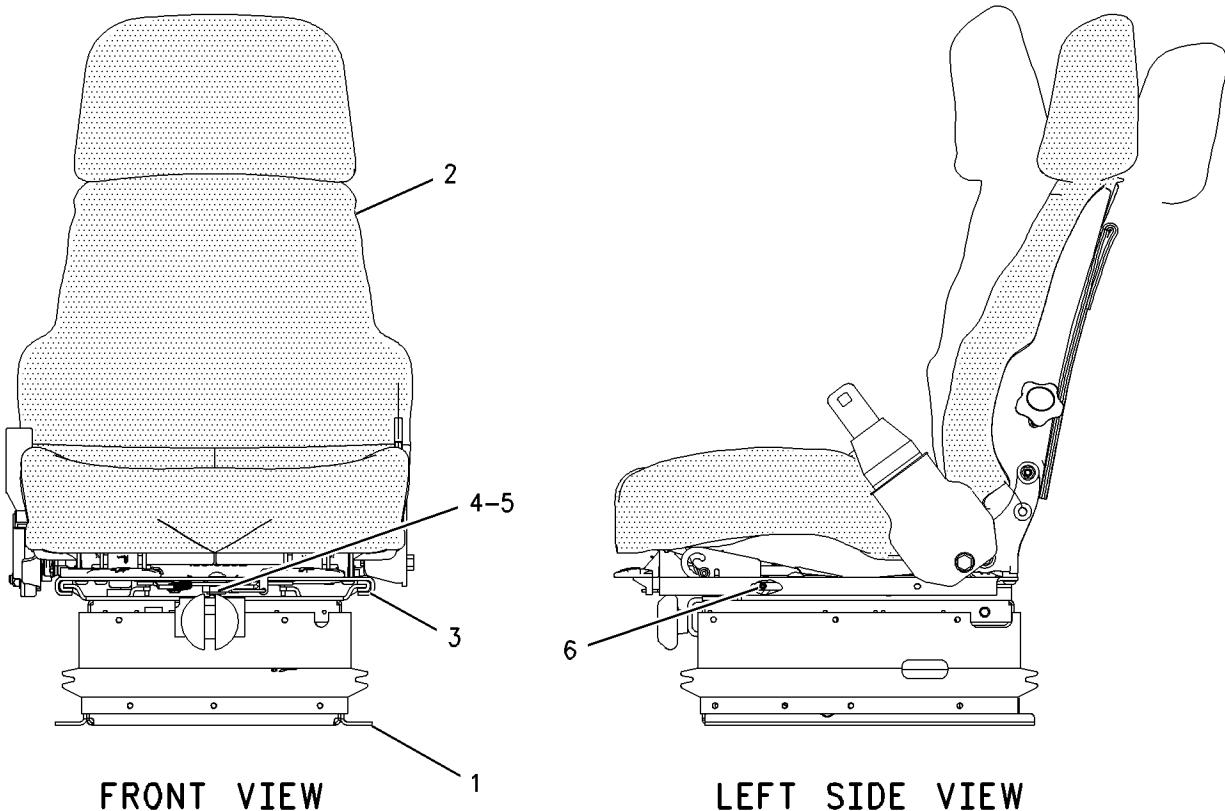
i01613579

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	160-7165	1	SUSPENSION GP - SEAT	1164
Y	2	1	184-6011	1	SEAT GP	1146
JZ	3	1		4	BLOCK-SLIDER	
	4	1	4F-4879	1	BOLT (3/8-16X.5 IN)	
	5	1	203-7703	2	WASHER-HARD (10.2X22.22X2.38MM THK)	
J	6	1	173-5787	4	SETSCREW	
AVAILABLE REPAIR KIT(S):						
J			173-7035	1	KIT-SLIDER BLOCK	

J-KIT MARKED J INCLUDES PART(S) MARKED J

Y-SEPARATE ILLUSTRATION

Z-NOT SERVICED SEPARATELY



GRAPHIC #1

g00819547

# OPERATOR STATION

## 159-2951 SEAT GP - SUSPENSION

S/N: 9EM1-UP

FABRIC LUMBAR

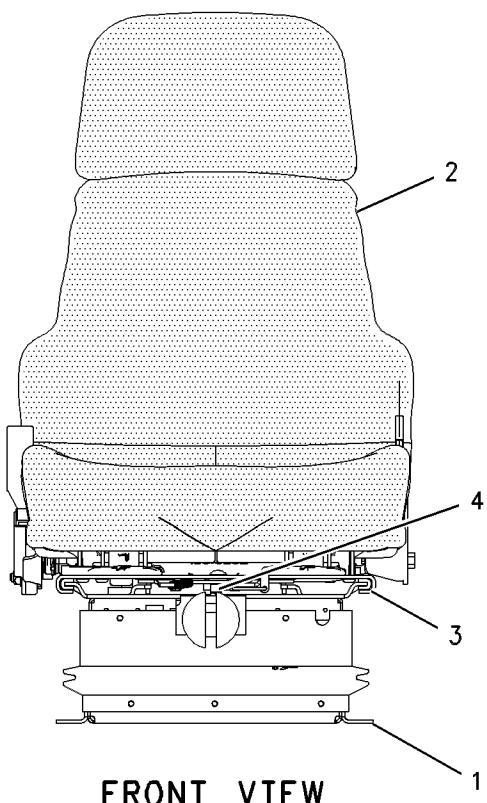
PART OF 112-6665, 200-8097 CAB AR  
AN ATTACHMENT

SMCS-7321, 7324, 7336

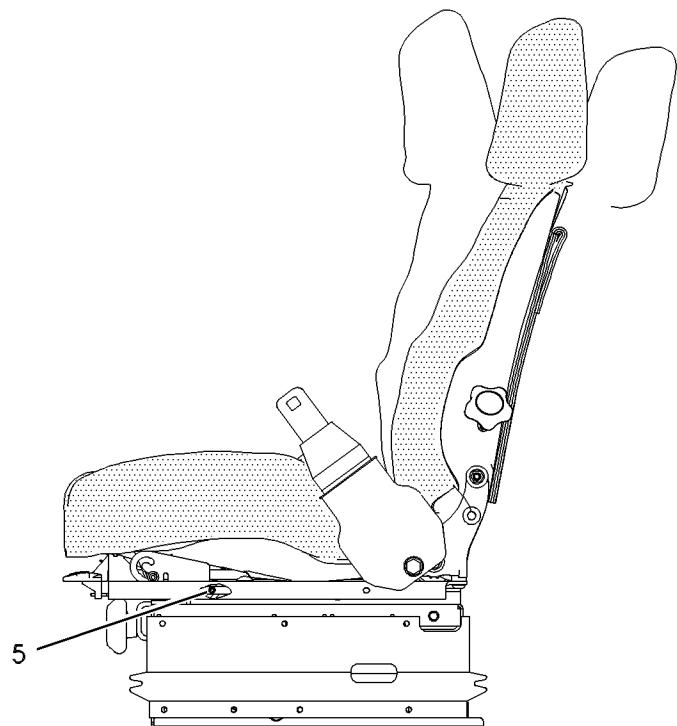
i01582152

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
					1	2	3	4	5	6		
Y	1	1	160-7165	1	SUSPENSION GP-SEAT							1164
Y	2	1	184-6012	1	SEAT GP							1147
JZ	3	1		4	BLOCK-SLIDER							
J	4	1	203-7700	1	BOLT (3/8-16 THD)							
J	1		203-7703	1	WASHER-HARD (10.2X22.22X2.38MM THK)							
J	5	1	173-5787	4	SETSCREW							
AVAILABLE REPAIR KIT(S):												
J			173-7035	1	KIT-SLIDER BLOCK							

J-KIT MARKED J INCLUDES PARTS MARKED J  
Y-SEPARATE ILLUSTRATION  
Z-NOT SERVICED SEPARATELY



FRONT VIEW



LEFT SIDE VIEW

GRAPHIC #1

g00610923

# OPERATOR STATION

## 102-4317 STEP & HANDHOLD AR

S/N: 9EM1-UP

HEAVY DUTY

AN ATTACHMENT

SMCS-7254

i01404407

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)						SEE PAGE
			1	2	3	4	5	6		
	8T-4835	4	BOLT (1/2-13X2 IN)							
	8T-8919	2	BOLT (1/2-13X1.75 IN)							
	1Q-2130	1	HANDLE AS							
	1Q-2423	2	HANDLE AS							
	8T-4223	4	WASHER-HARD (13.5X25.5X3MM THK)							

# OPERATOR STATION

## 108-4082 SUSPENSION GP - SEAT

S/N: 9EM1-1048

PART OF 8Y-6138, 8Y-6179 SEAT GP-SUSPENSION  
ALSO AN ATTACHMENT

SMCS-7324

i01150854

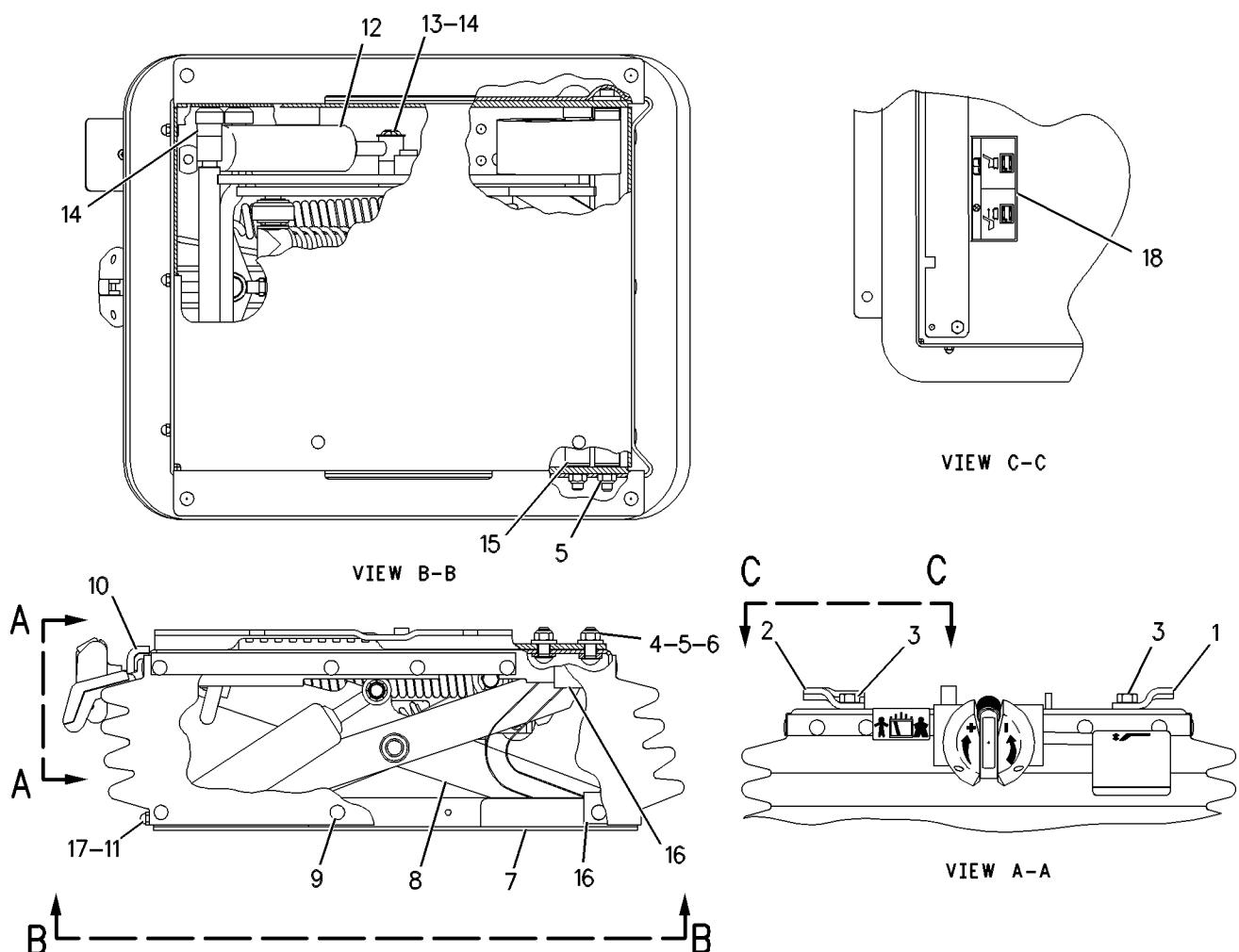
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		8Y-6022	1	PLATE-SLIDE							
2	1		8Y-6023	1	PLATE-SLIDE							
3	1		5M-3062	2	BOLT (3/8-16X.75IN)							
4	1		5P-1075	4	WASHER-HARD (3MM THK)							
5	1		2K-4973	6	LOCKNUT (3/8-16 THD)							
6	1		1D-4677	4	BOLT-ROUND HEAD (3/8-16X1 IN)							
7	1		8Y-6014	1	HOUSING AS-LOWER							
8	1		8Y-6012	1	ARM AS-SUSPENSION							
J	9	1	101-0003	23	FASTENER							
Y	10	1	108-4582	1	HOUSING GP-SEAT SUSPENSION							1034
J	11	1	108-4878	3	NUT-PUSH							
	12	1	8Y-5965	1	ABSORBER-SHOCK							
	13	1	5V-1497	1	RETAINER							
	14	1	4V-7884	2	BEARING							
	15	1	4V-8577	4	BEARING							
	16	1	8Y-6024	2	SHAFT AS							
J	17	1	111-5042	3	FASTENER							
	18	1	145-0326	1	FILM-INSTRUCTION (SEAT ADJUSTMENT)							
AVAILABLE REPAIR KIT(S):												
	101-4194	1	KIT-BELT TETHER (INCLUDES 2 BELTS)									
	101-4195	1	KIT-SUSPENSION ROLLER (INCLUDES 4 ROLLERS)									
J		8Y-5944	1	KIT-SUSPENSION BOOT (INCLUDES BOOT & 2 RETAINERS)								

J-KIT MARKED J INCLUDES PART(S) MARKED J  
Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

108-4082 SUSPENSION GP - SEAT (*contd.*)

i01150854



GRAPHIC #1

g00578063

# OPERATOR STATION

## 160-7165 SUSPENSION GP-SEAT

S/N: 9EM1049-UP

PART OF 159-2950, 159-2951 SEAT GP-SUSPENSION  
ALSO AN ATTACHMENT

SMCS-7324

i01447865

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6		
1	1		2K-4973	2	LOCKNUT							
2	1		4V-7884	2	BEARING							
3	1		4V-8577	4	BEARING							
4	1		5V-1497	1	RETAINER							
5	1		8Y-5965	1	ABSORBER-SHOCK							
6	1		8Y-6012	1	ARM AS-SUSPENSION							
7	1		8Y-6014	1	HOUSING AS-LOWER							
8	1		8Y-6024	2	SHAFT AS							
J	9	1	101-0003	20	FASTENER							
J	10	1	166-6781	3	FASTENER							
J	11	1	163-1146	3	FASTENER							
	12	1	145-0326	1	FILM-INSTRUCTION (SEAT ADJUSTMENT)							
	13	1	169-7380	1	BOLT-SOCKET HEAD (3/8-16X0.375 IN)							
Y	14	1	174-2231	1	HOUSING GP-SEAT SUSPENSION						1038	
J	15	1	197-7689	3	FASTENER							
AVAILABLE REPAIR KIT(S):												
J			8Y-5944	1	KIT-SUSPENSION BOOT (INCLUDES BOOT, RETAINER & PARTS MARKED J)							
			101-4194	1	KIT-BELT TETHER							
			101-4195	1	KIT-SUSPENSION ROLLER							

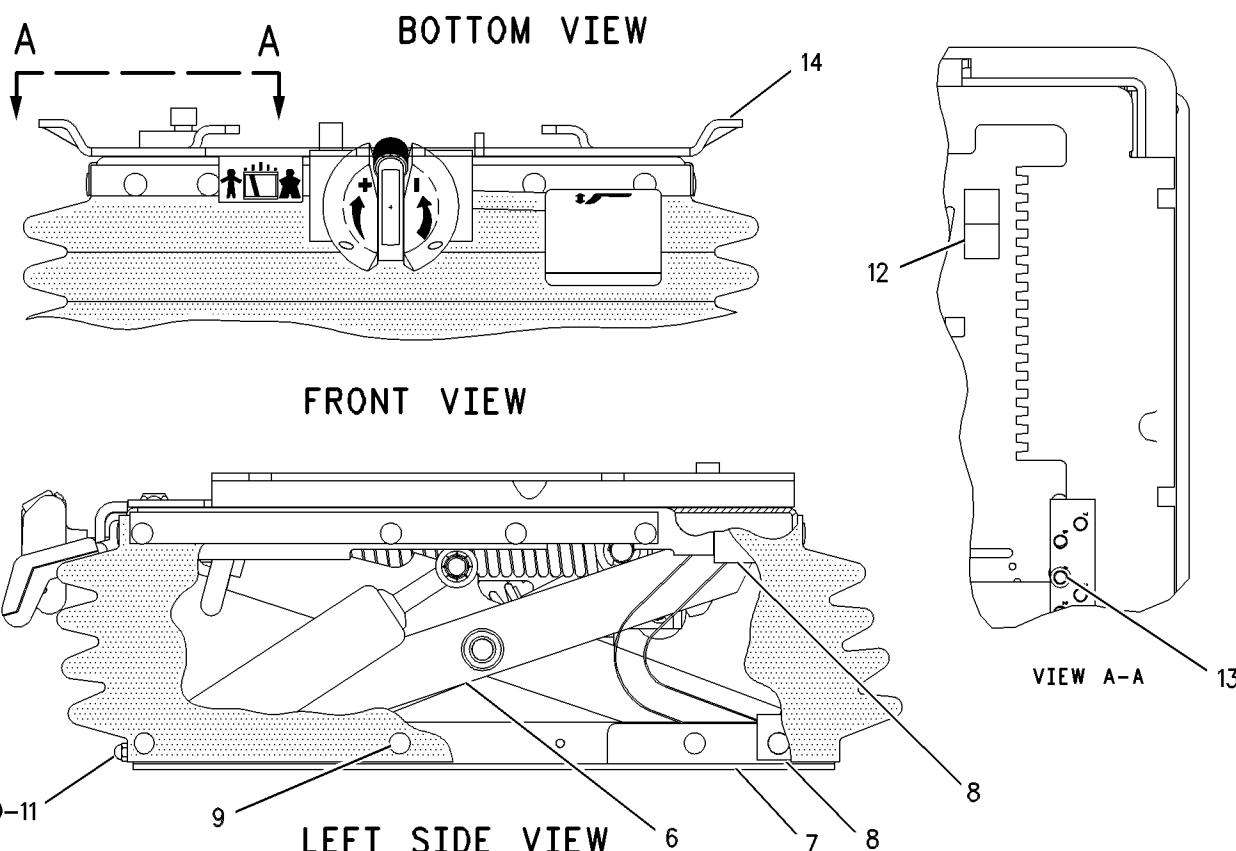
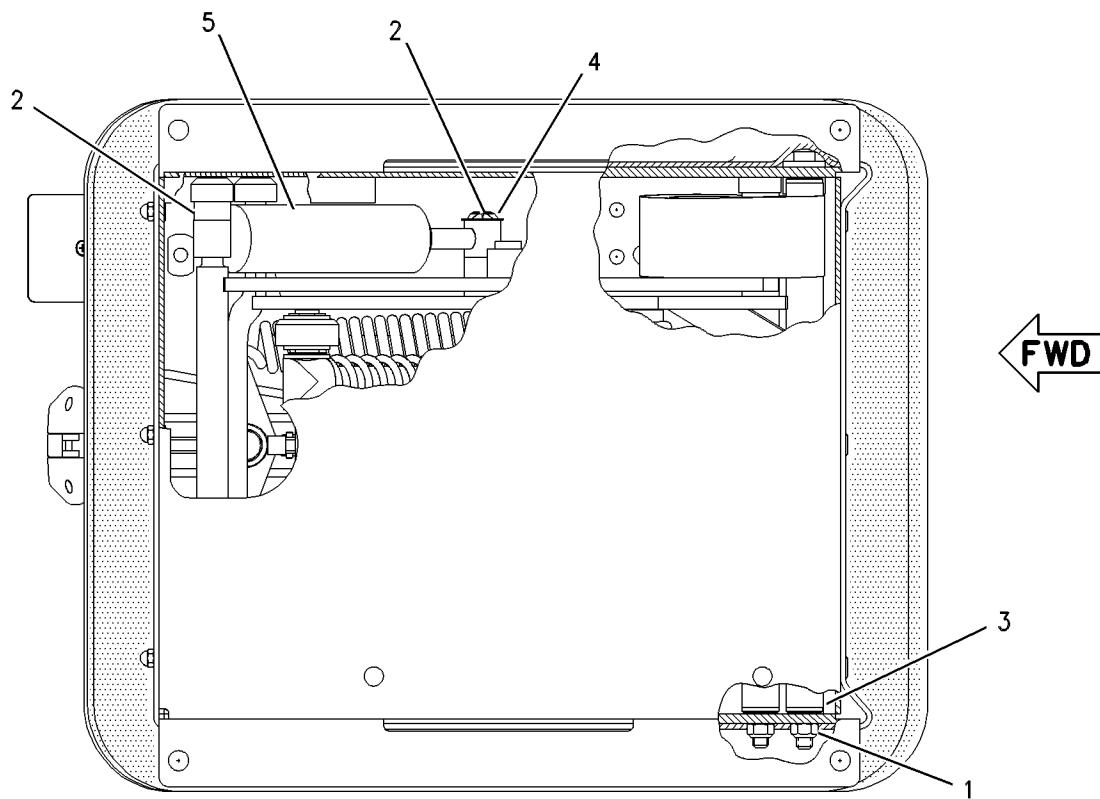
J-KIT MARKED J SERVICES PART(S) MARKED J

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

160-7165 SUSPENSION GP - SEAT (contd.)

i01447865



GRAPHIC #1

g00609097

# OPERATOR STATION

## 6Y-3527 TANK GP-WINDOW WASHER

S/N: 9EM1-UP

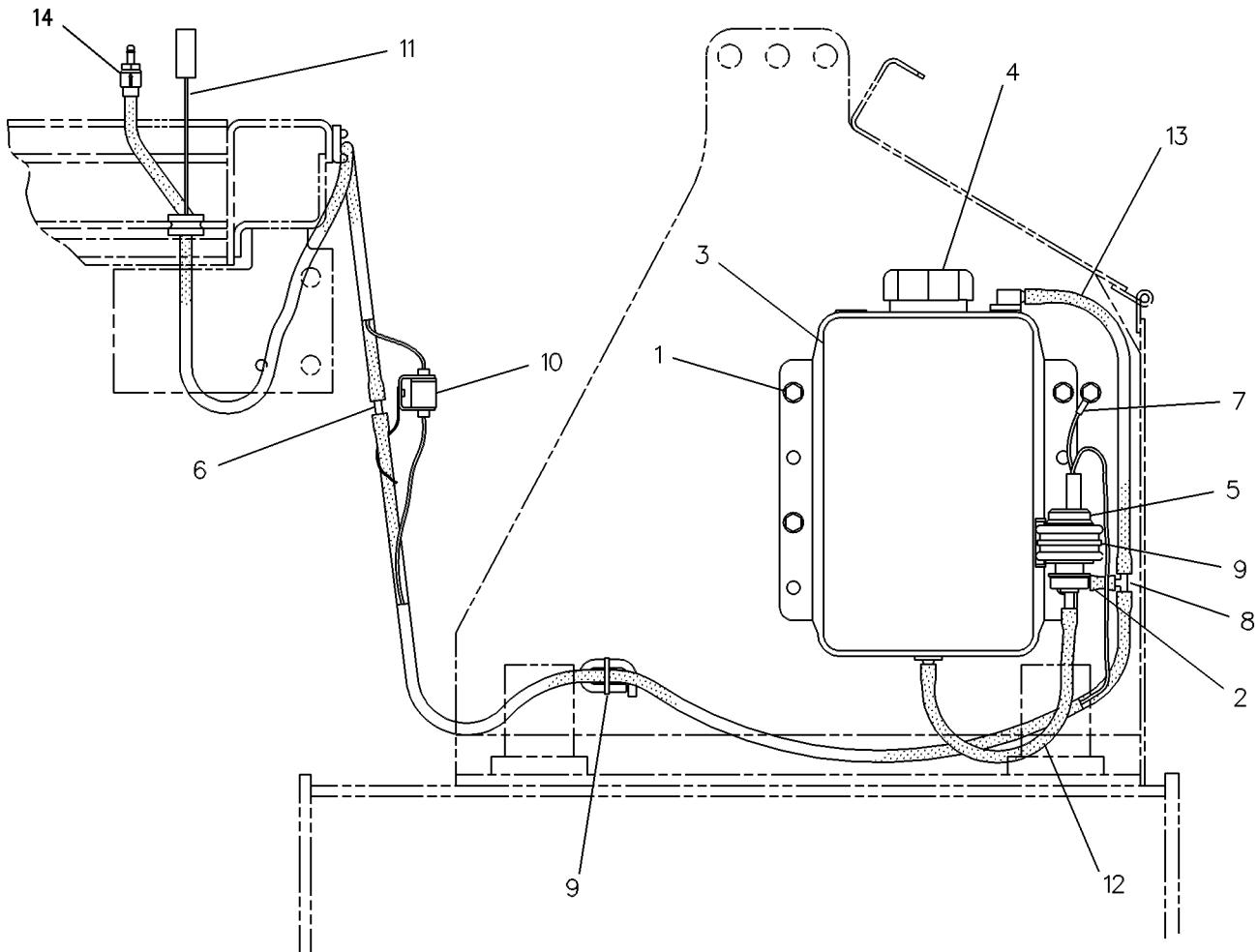
PART OF 112-6665 CAB AR  
AN ATTACHMENT

SMCS-7306

i01138772

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE					
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		4M-5281	5	BOLT (1/4-20X.750IN)						
	1		8T-4205	5	WASHER-HARD (2MM THK)						
E	2	1	5P-5992	1	HOSE (2.5CM)						
3	1		9W-5935	1	BOTTLE-WASHER						
4	1		8E-8292	1	CAP-VENTED						
5	1		7T-8891	1	PUMP AS-WASHER						
6	1		3V-3263	1	CONNECTOR						
7	1		6Y-4207	1	HARNESS AS						
8	1		6K-9632	1	TEE						
9	1		7K-1181	4	STRAP-CABLE (4.00IN DIA)						
10	1		3T-3048	1	CLIP AS (10.2MM ID)						
11	1		6Y-1200	1	HARNESS AS						
E	12	1	5P-5992	1	HOSE (22.5CM)						
E	13	1	5P-5992	1	HOSE (25CM)						
14	1		8T-5383	1	VALVE AS-CHECK						

E-ORDER BY THE CENTIMETER



GRAPHIC #1

g00295156

# OPERATOR STATION

## 169-9648 TANK GP-WINDOW WASHER-WINDSHIELD WASHER

S/N: 9EM1-UP

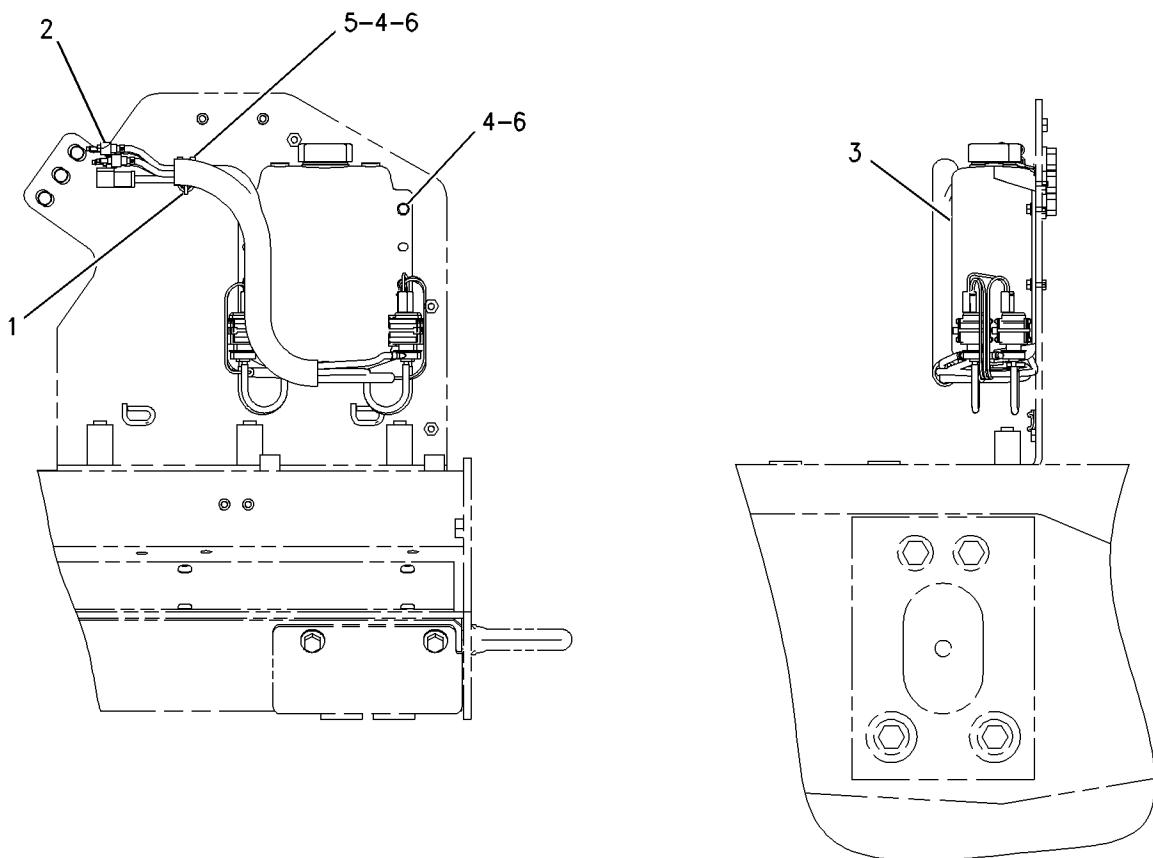
PART OF 200-8097 CAB AR  
AN ATTACHMENT

SMCS-7306

i01477644

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		3S-2093	1	STRAP - CABLE						
2	1		8T-5383	4	VALVE AS - CHECK (WIPER/WASHER SYSTEM)						
Y	3	1	169-9649	1	TANK GP-WINDOW WASHER						1168
4	1		4M-5281	5	BOLT (1/4-20X0.750 IN)						
5	1		4P-8134	1	CLIP						
6	1		8T-4205	5	WASHER-HARD (7.2X14.5X2MM THK)						

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00672058

# OPERATOR STATION

## 169-9649 TANK GP-WINDOW WASHER

S/N: 9EM1-UP

PART OF 169-9648 TANK GP-WINDOW WASHER  
AN ATTACHMENT

SMCS-7306

i01644278

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
	1	1	169-9650	1	TANK-WASHER						
	2	1	8E-8292	1	CAP-VENTED						
E	3	1	144-0195		HOSE (15CM)						
	4	1	186-4857	1	HARNESS AS (WATER BOTTLE)						
BD	5	1	6V-5817		CONDUIT-FLEXIBLE						
	6	1	7T-8891	4	PUMP AS-WASHER						
	7	1	3S-2093	7	STRAP-CABLE						
E	8	1	144-0195		HOSE (57CM)						
E	9	1	144-0195		HOSE (60CM EACH)						

B-USE AS REQUIRED

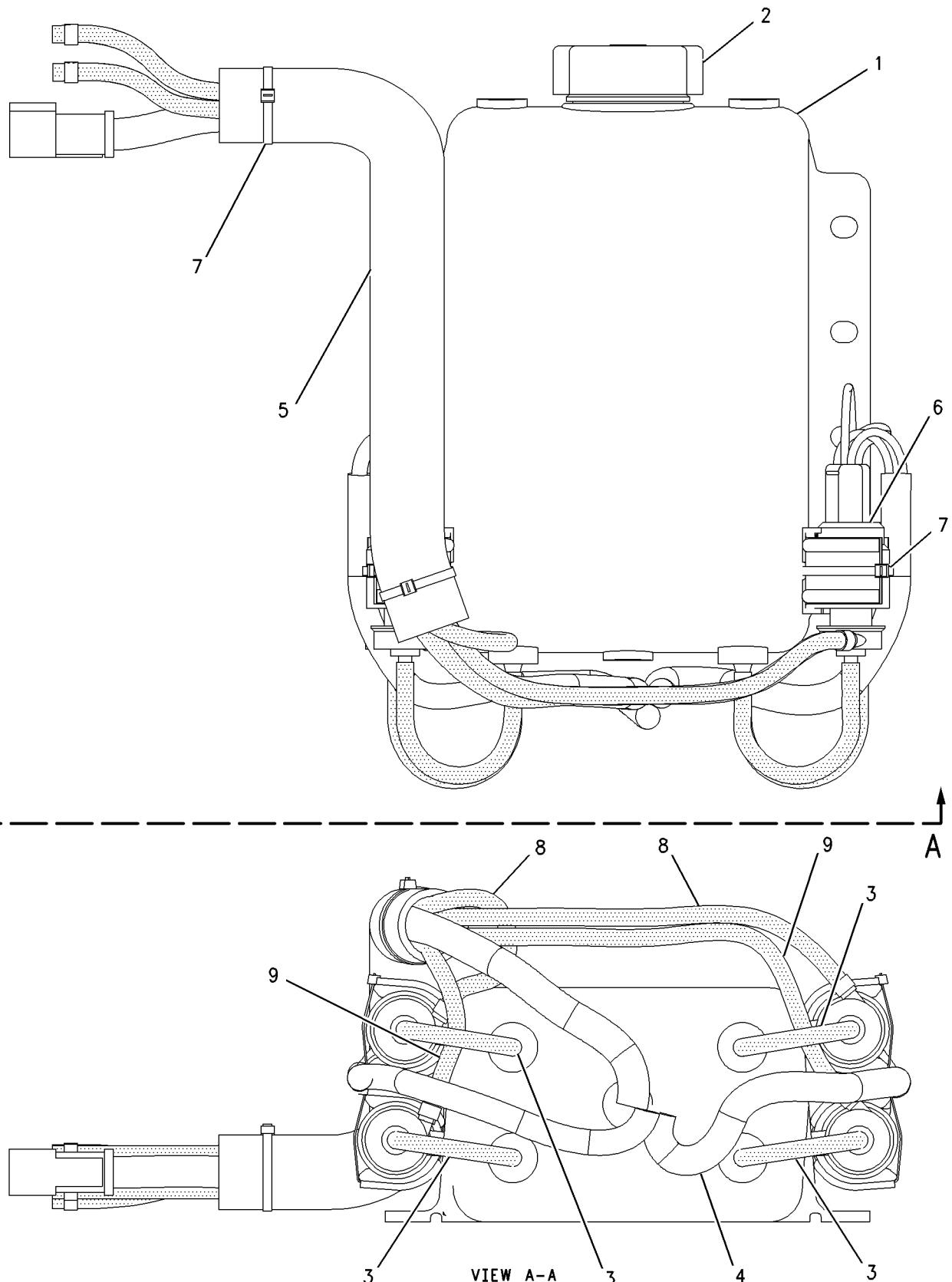
D-ORDER BY THE METER

E-ORDER BY THE CENTIMETER

# OPERATOR STATION

169-9649 TANK GP-WINDOW WASHER (*contd.*)

i01644278



GRAPHIC #1

g00858999

# OPERATOR STATION

## 127-6361 WASHER GP-WINDOW

S/N: 9EM1-UP

PART OF 119-6724 CAB AR  
AN ATTACHMENT

**SMCS-7306**

**i00935756**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
	1	1	<b>8T-5400</b>	4	CONNECTOR	
BD	2	1	<b>5P-7086</b>		TRIM	
	3	1	<b>3E-3044</b>	1	FILM-INSTRUCTION	
	4	1	<b>9D-3768</b>	2	GROMMET	
	5	1	<b>7N-8205</b>	1	HOUSING-PLUG	
	6	1	<b>7N-9738</b>	1	HOUSING-RECEPTACLE	
J	7	1	<b>6V-2151</b>	1	VALVE AS-BALL	
	8	1	<b>3B-3359</b>	1	WASHER	
	9	2	<b>127-5120</b>	1	HARNESS AS	
	10	2	<b>8E-1123</b>	5	CLIP	
	11	2	<b>9U-8968</b>	1	BRACKET	
	12	2	<b>7T-9235</b>	5	ELBOW	
	13	2	<b>6V-8801</b>	1	NUT (3/8-16 THD)	
		2	<b>8T-4896</b>	1	WASHER-HARD (2.5MM THK)	
	14	2	<b>3S-2093</b>	7	STRAP-CABLE (1.75IN DIA)	
	15	2	<b>5K-0906</b>	2	BOLT (5/16-18X0.63IN)	
		2	<b>8T-4224</b>	2	WASHER-HARD (2MM THK)	
E	16	2	<b>144-0195</b>		HOSE (213CM)	
E	17	2	<b>144-0195</b>		HOSE (135CM)	
E	18	2	<b>144-0195</b>		HOSE (196CM)	
E	19	2	<b>144-0195</b>		HOSE (180CM)	
E	20	2	<b>144-0195</b>		HOSE (200CM)	
AVAILABLE REPAIR KIT(S) :						
J			<b>9U-9562</b>	1	KIT-KNOB	
					(INCLUDES KNOB AND SET SCREW)	

B-USE AS REQUIRED

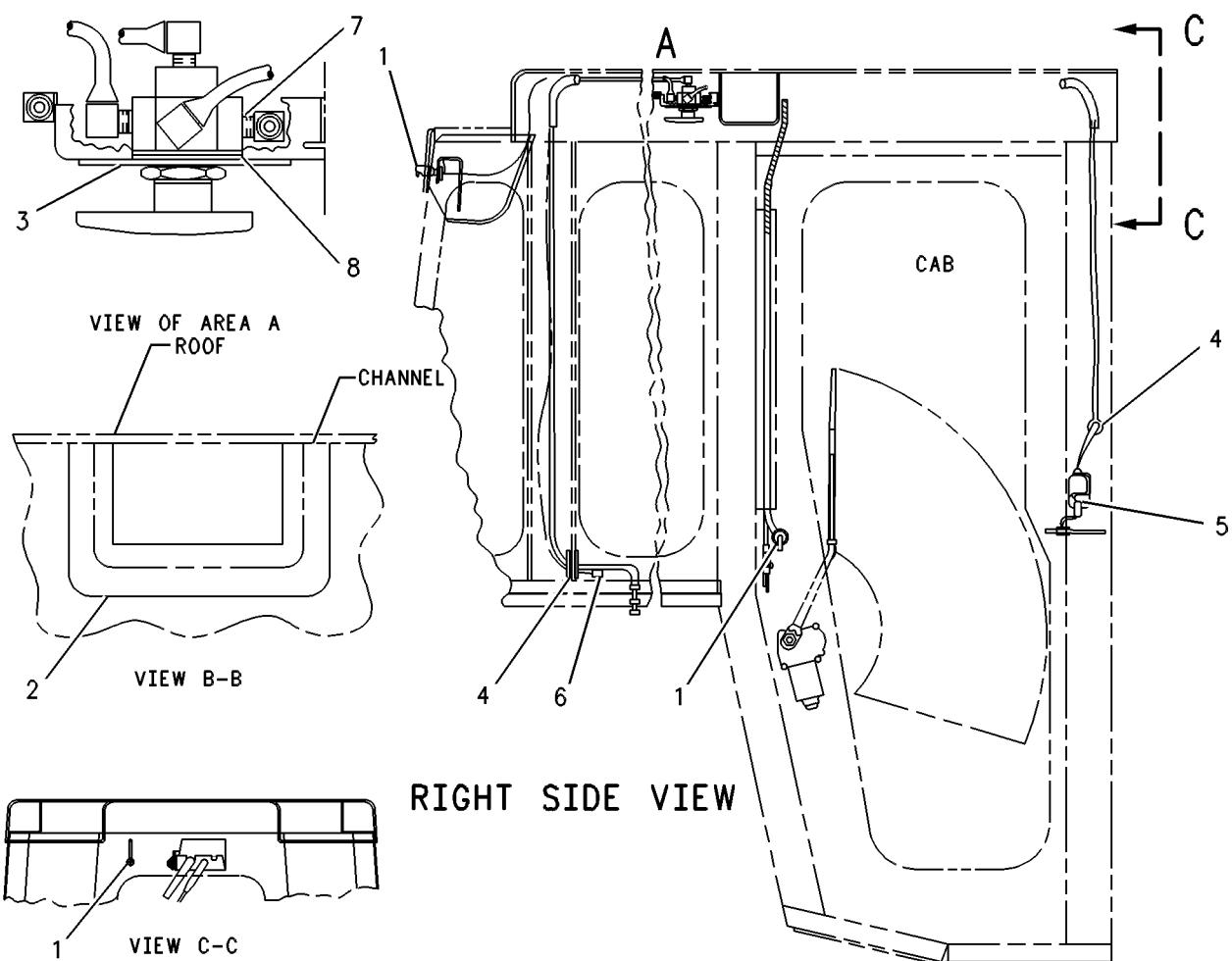
D-ORDER BY THE METER

E-ORDER BY THE CENTIMETER

# OPERATOR STATION

127-6361 WASHER GP-WINDOW (*contd.*)

i00935756



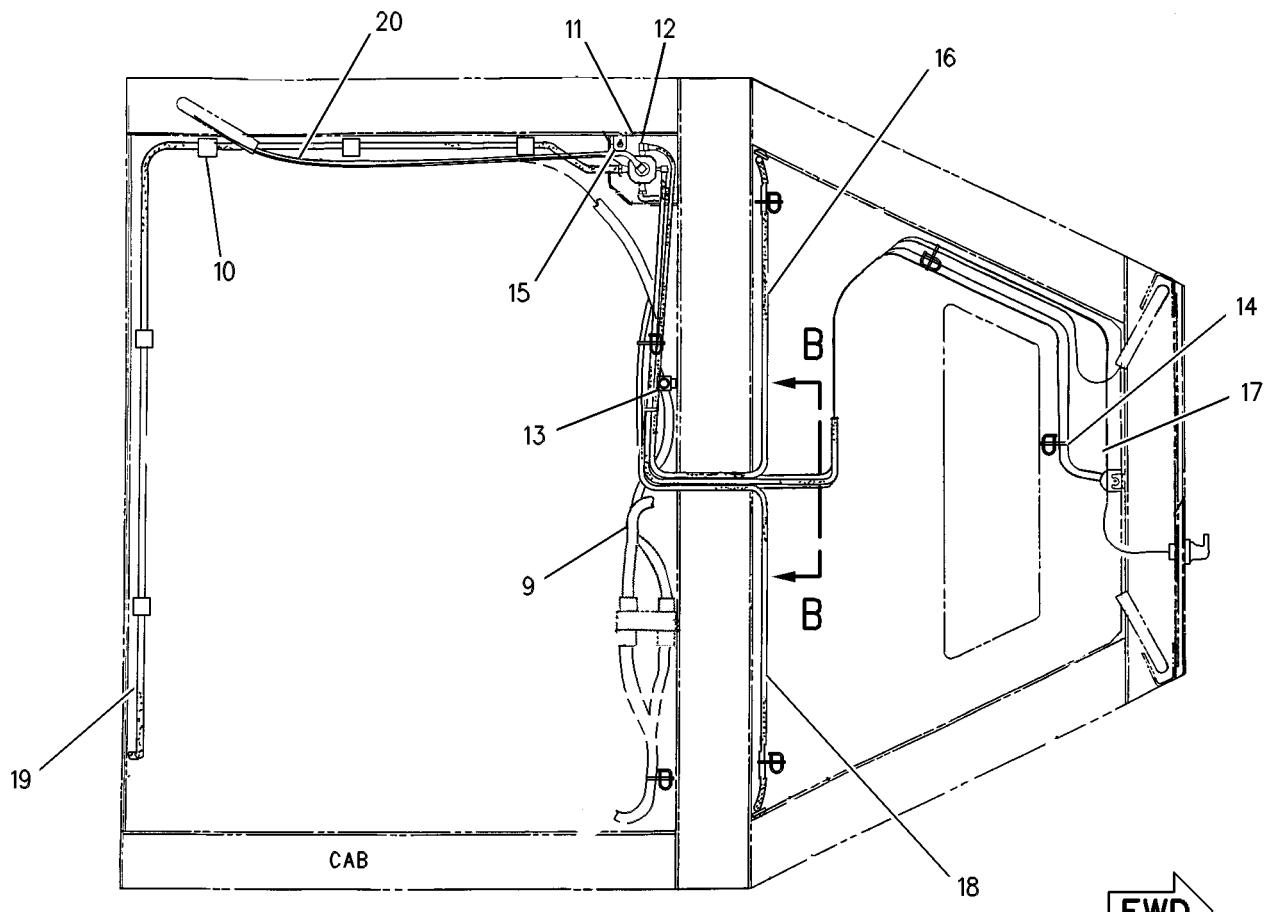
GRAPHIC #1

g00465304

# OPERATOR STATION

127-6361 WASHER GP-WINDOW (contd.)

i00935756



REFER TO ALL ILLUSTRATIONS OF  
THIS GROUP FOR AUXILIARY VIEWS

TOP VIEW

GRAPHIC #2

g00471932

# OPERATOR STATION

## 158-7690 WASHER GP-WINDOW

S/N: 9EM1-UP

PART OF 198-7761 CAB AR  
AN ATTACHMENT

SMCS-7306

i01474793

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6		
	1	1	8T-5400	4	CONNECTOR							
E	2	1	7X-7702		CONDUIT-FLEXIBLE (83CM)							
	3	1	9N-1995	4	RIVET-POP							
	4	1	3S-2093	19	STRAP-CABLE							
	5	1	8E-6856	1	COVER							
M	6	1	8T-4133	1	NUT (M10X1.5 THD)							
E	7	1	144-0195		HOSE (250CM)							
	8	1	169-9635	1	HARNESS AS							
	9	1	8T-4896	1	WASHER-HARD (10.2X18.5X2.5MM THK)							
D	10	1	6V-5818		CONDUIT-FLEXIBLE (.8M)							
	11	1	155-2274	1	KIT-CONNECTING PLUG (6 PIN) (INCLUDES PLUG AS & WEDGE)							
		1	102-8815	1	SEAL-INTERFACE							
	12	1	3E-3380	1	WEDGE-PLUG LOCK							
	13	1	8T-8737	1	PLUG-SEAL							
E	14	1	144-0195		HOSE (450CM)							
E	15	1	144-0195		HOSE (350CM)							
E	16	1	144-0195		HOSE (350CM)							
E	17	1	144-0195	2	HOSE (2CM EACH)							
	18	1	7Y-3281	3	GROMMET							
	19	1	145-7328	2	ELBOW-HOSE							
	20	1	2G-8097	1	MOUNTING							

D-ORDER BY THE METER

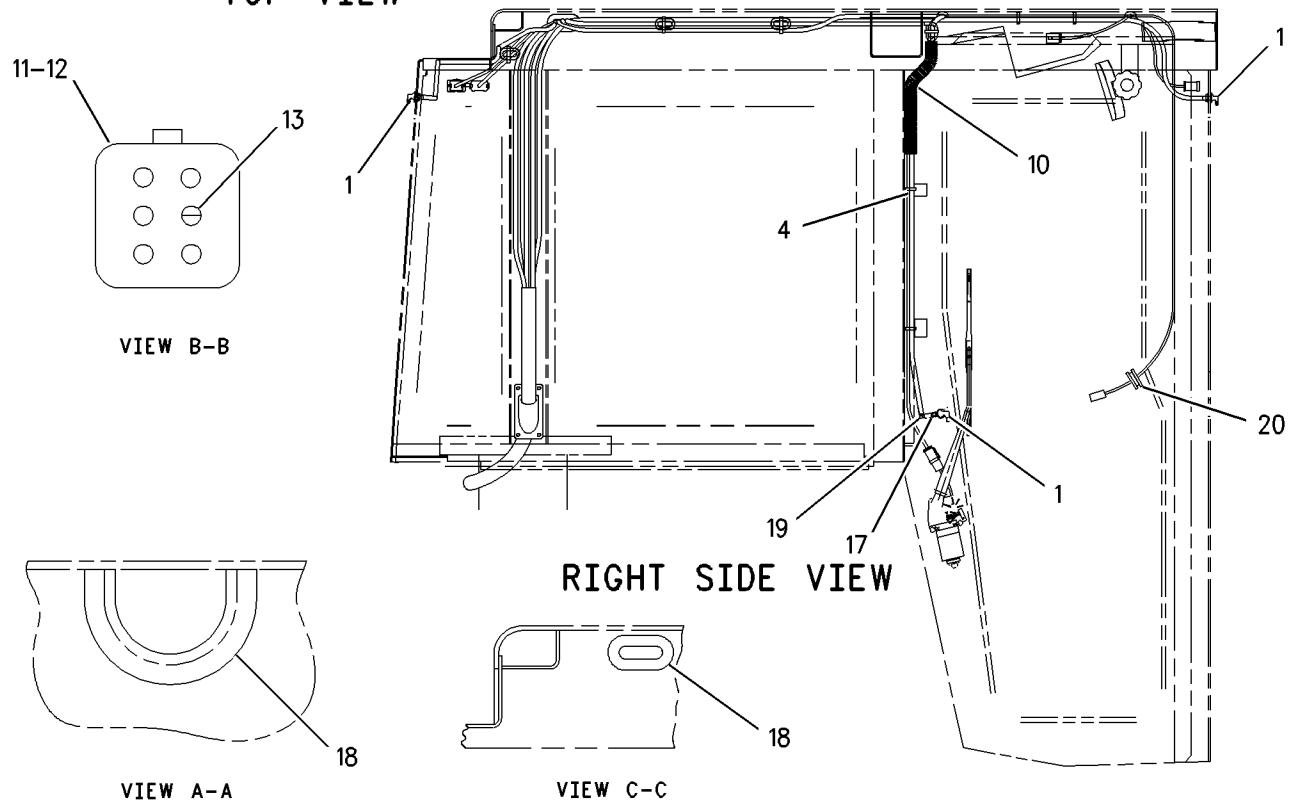
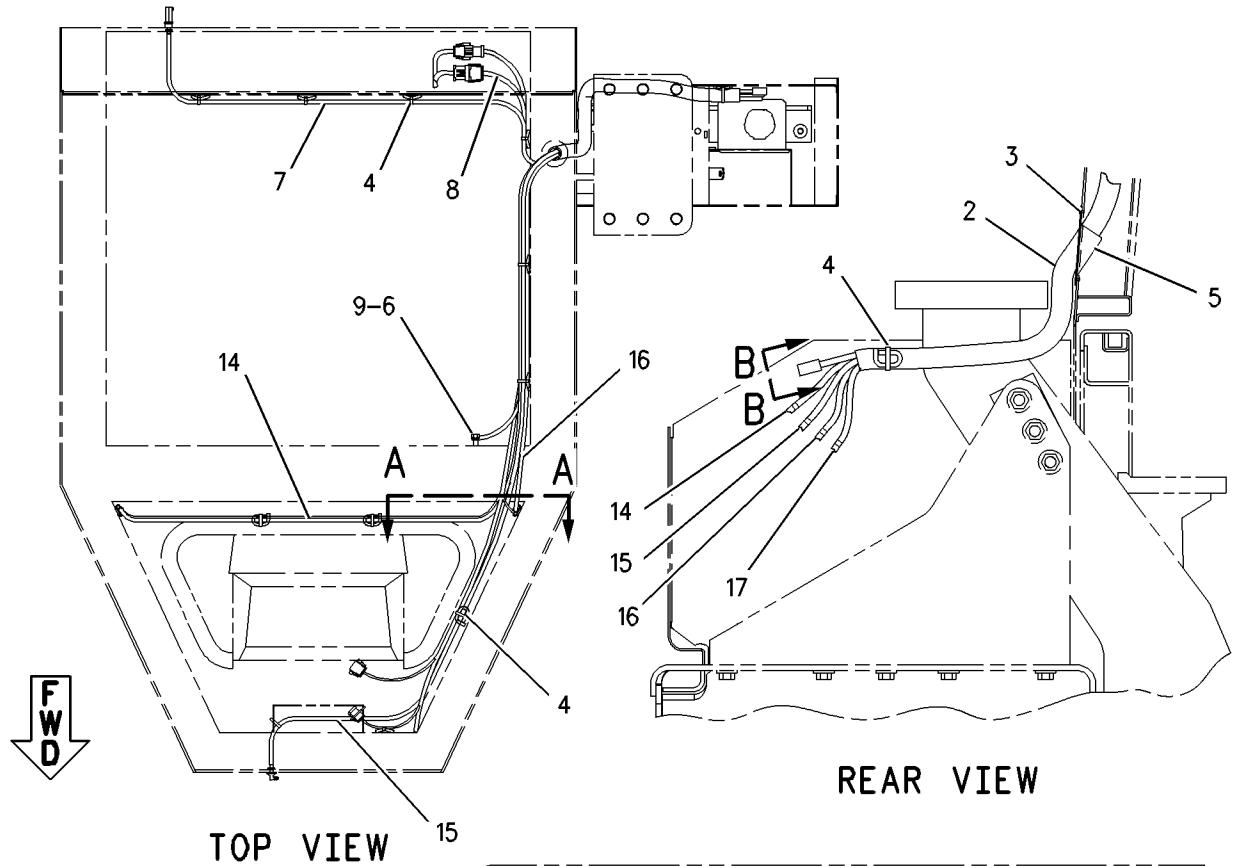
E-ORDER BY THE CENTIMETER

M-METRIC PART

# OPERATOR STATION

158-7690 WASHER GP-WINDOW (contd.)

i01474793



GRAPHIC #1

g00699988

# OPERATOR STATION

## 8E-5112 WINDOW AS-SLIDING-REAR

S/N: 9EM1-UP

PART OF 119-6728, 198-7762 CAB GP  
AN ATTACHMENT

SMCS-7310

i00720026

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
Y	6T-5008	1	WINDOW GP						1180
Y	9N-4369	1	WINDOW GP						1194

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

## 8E-5113 WINDOW AS-SLIDING-RH

S/N: 9EM1-UP

PART OF 119-6728, 198-7762 CAB GP  
AN ATTACHMENT

SMCS-7310

i00569833

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6	
Y	6T-8402	1	WINDOW GP - CAB						1181
			-OR-						
Y	8E-3446	1	WINDOW GP - CAB						1185

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

## 8E-5114 WINDOW AS-SLIDING-LH

S/N: 9EM1-UP

PART OF 119-6728, 198-7762 CAB GP  
AN ATTACHMENT

SMCS-7310

i00570466

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE					
			1	2	3	4	5	6		
Y	6T-8403	1	WINDOW GP-CAB -OR-							1182
Y	8E-3447	1	WINDOW GP-CAB							1186

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

## 6T-5005 WINDOW GP-CAB-REAR

S/N: 9EM1-UP

PART OF 6T-5008 WINDOW GP-CAB  
AN ATTACHMENT

SMCS-7310

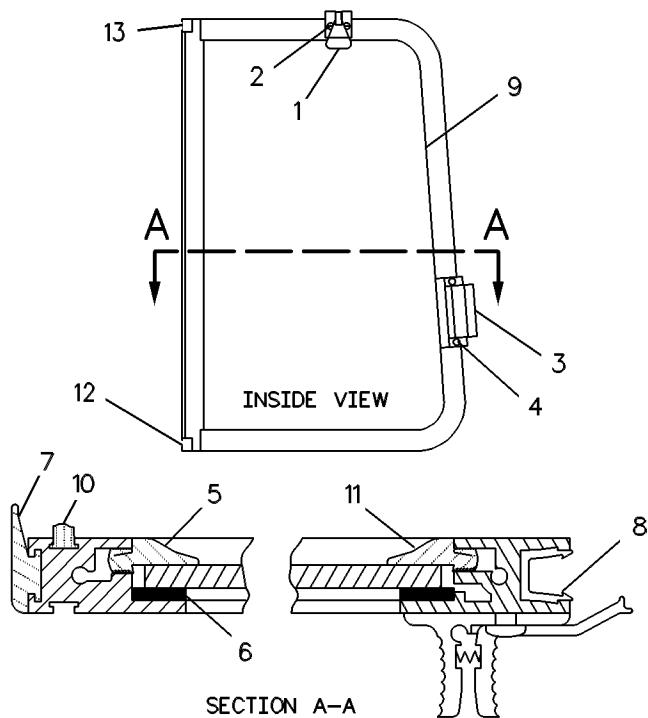
i01166630

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		3T-1121	1	LOCK AS						
2	1		2H-6622	2	SCREW-MACHINE						
3	1		9P-7860	1	LOCK AS						
4	1		9P-7859	2	SCREW						
D	5	1	5P-5680		SEAL (.61M)						
EB	6	1	9X-6268		TAPE						
D	7	1	6V-5833		SEAL (.64M)						
D	8	1	5P-8918		SEAL (1.4M)						
9	1		8Y-6447	1	GLASS (TINTED)						
E	10	1	8Y-6839		SEAL (63.5CM)						
D	11	1	5P-5680		SEAL (1.3 M)						
	12	1	117-5676	1	SLIDE						
	13	1	124-9775	1	SLIDE						

B-USE AS REQUIRED

D-ORDER BY THE METER

E-ORDER BY THE CENTIMETER



GRAPHIC #1

g00257563

# OPERATOR STATION

## 6T-5008 WINDOW GP-CAB-REAR

S/N: 9EM1-UP

SLIDING

PART OF 8E-5112 WINDOW AS-SLIDING  
AN ATTACHMENT

SMCS-7310

i00569766

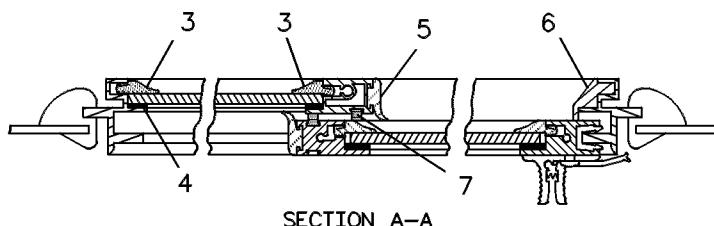
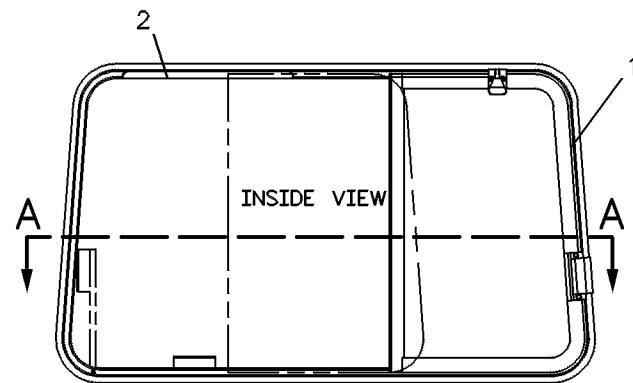
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6 (PRODUCT LEVEL)		
Y	1	1	6T-5005	1	WINDOW GP							1179
	2	1	9P-7855	1	GLASS (TINTED)							
DB	3	1	5P-5680	1	SEAL (3 M)							
EB	4	1	9X-6268	1	TAPE							
BD	5	1	6V-5833	1	SEAL (1 M)							
DB	6	1	8T-0687	1	FILLER							
BE	7	1	8Y-6839	1	SEAL (64 CM)							

B-USE AS REQUIRED

D-ORDER BY THE METER

E-ORDER BY THE CENTIMETER

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00246891

# OPERATOR STATION

**6T-8402 WINDOW GP-CAB-RH**

S/N: 9EM1-UP

SLIDING

PART OF 8E-5113 WINDOW AS-SLIDING  
AN ATTACHMENT

SMCS-7310

i01502187

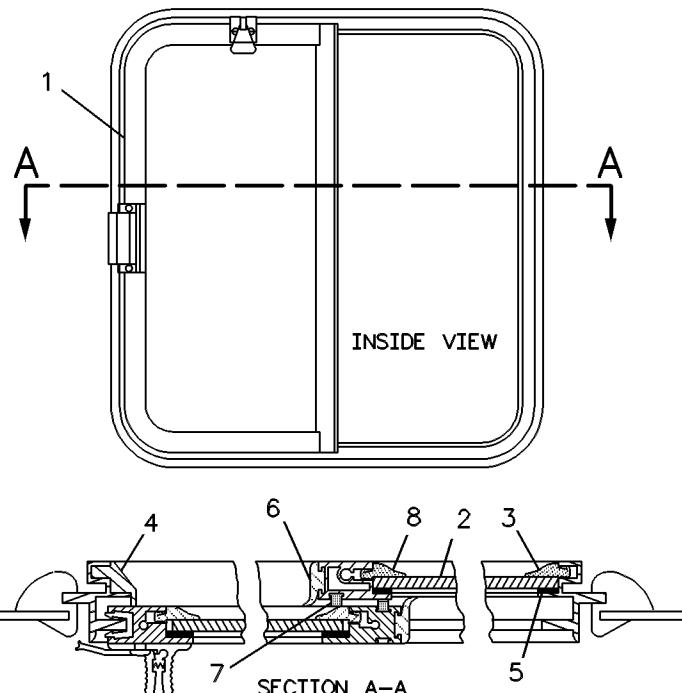
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
Y	1	1	7T-1068	1	WINDOW GP-CAB (RH)							1183
	2	1	7T-1330	1	GLASS (TINTED)							
D	3	1	5P-5680		SEAL (1.14M)							
DB	4	1	8T-0687		FILLER							
EB	5	1	9X-6268		TAPE							
D	6	1	6V-5833		SEAL (.64M)							
E	7	1	8Y-6839		SEAL (64 CM)							
D	8	1	5P-5680		SEAL (.66M)							

B-USE AS REQUIRED

D-ORDER BY THE METER

E-ORDER BY THE CENTIMETER

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00330572

# OPERATOR STATION

## 6T-8403 WINDOW GP-CAB-LH

S/N: 9EM1-UP

SLIDING

PART OF 8E-5114 WINDOW AS-SLIDING  
AN ATTACHMENT

SMCS-7310

i01502193

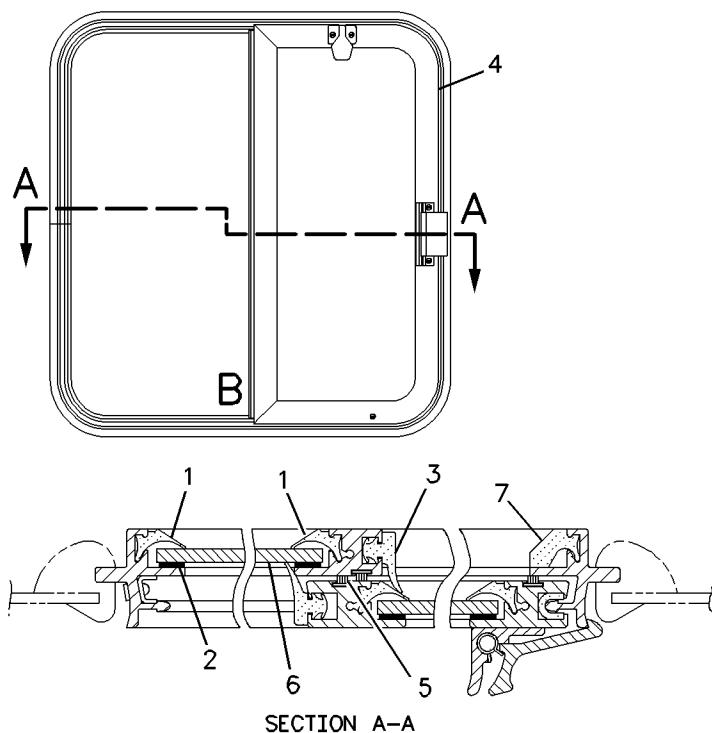
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
BD	1	1	5P-5680		SEAL						
BE	2	1	9X-6268		TAPE						
BD	3	1	6V-5833		SEAL						
Y	4	1	7T-1069	1	WINDOW GP-CAB (LH)						1184
BE	5	1	8Y-6839		SEAL						
	6	1	7T-1330	1	GLASS (TINTED)						
BD	7	1	8T-0687		FILLER						

B-USE AS REQUIRED

D-ORDER BY THE METER

E-ORDER BY THE CENTIMETER

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00757599

# OPERATOR STATION

**7T-1068 WINDOW GP-CAB-RH**

S/N: 9EM1-UP

PART OF 6T-8402 WINDOW GP-CAB  
AN ATTACHMENT

SMCS-7310

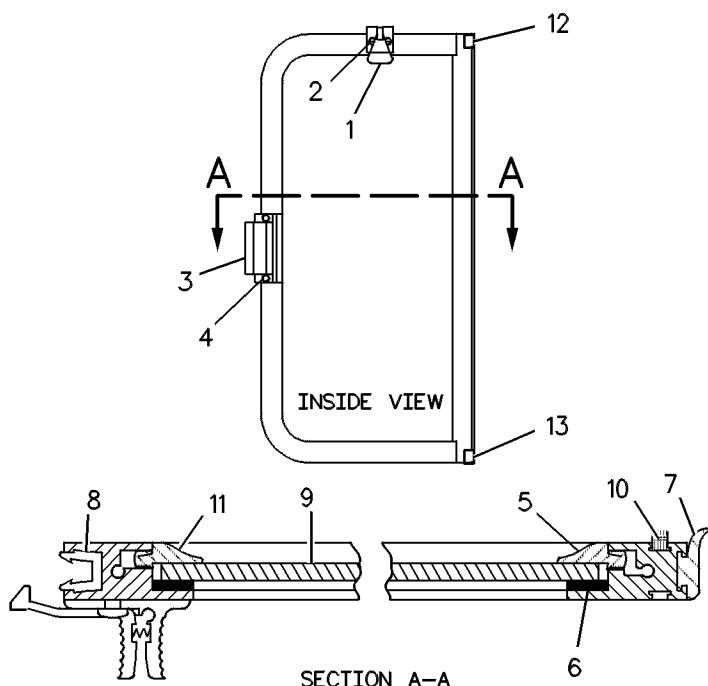
i01138757

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		3T-1121	1	LOCK AS						
2	1		2H-6622	2	SCREW-MACHINE						
3	1		9P-7860	1	LOCK AS						
4	1		9P-7859	2	SCREW						
BD	5	1	5P-5680		SEAL (.61M)						
EB	6	1	9X-6268		TAPE						
BD	7	1	6V-5833		SEAL (.64M)						
BD	8	1	5P-8918		SEAL (1.2M)						
9	1		8Y-6448	1	GLASS						
BE	10	1	8Y-6839		SEAL (64CM)						
BD	11	1	5P-5680		SEAL (1.1M)						
12	1		124-9774	1	SLIDE						
13	1		117-5677	1	SLIDE						

B-USE AS REQUIRED

D-ORDER BY THE METER

E-ORDER BY THE CENTIMETER



GRAPHIC #1

g00257169

# OPERATOR STATION

## 7T-1069 WINDOW GP-CAB-LH

S/N: 9EM1-UP

PART OF 6T-8403 WINDOW GP-CAB  
AN ATTACHMENT

SMCS-7310

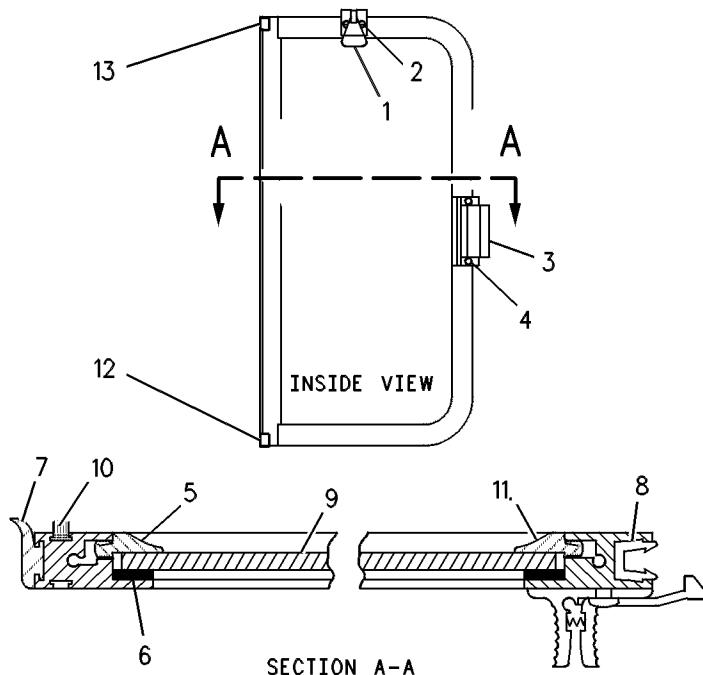
i00753665

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1		3T-1121	1	LOCK AS						
2	1		2H-6622	2	SCREW-MACHINE						
3	1		9P-7860	1	LOCK AS						
4	1		9P-7859	2	SCREW						
D	5	1	5P-5680		SEAL (.61M)						
EB	6	1	9X-6268		TAPE						
D	7	1	6V-5833		SEAL (.64M)						
D	8	1	5P-8918		SEAL (1.2M)						
	9	1	8Y-6448	1	GLASS						
E	10	1	8Y-6839		SEAL (64CM)						
D	11	1	5P-5680		SEAL (1.1M)						
	12	1	124-9774	1	SLIDE						
	13	1	117-5677	1	SLIDE						

B - USE AS REQUIRED

D - ORDER BY THE METER

E - ORDER BY THE CENTIMETER



GRAPHIC #1

g00326280

# OPERATOR STATION

## 8E-3446 WINDOW GP-CAB-RH

S/N: 9EM1-UP

SLIDING

PART OF 8E-5113 WINDOW AS-SLIDING  
AN ATTACHMENT

SMCS-7310

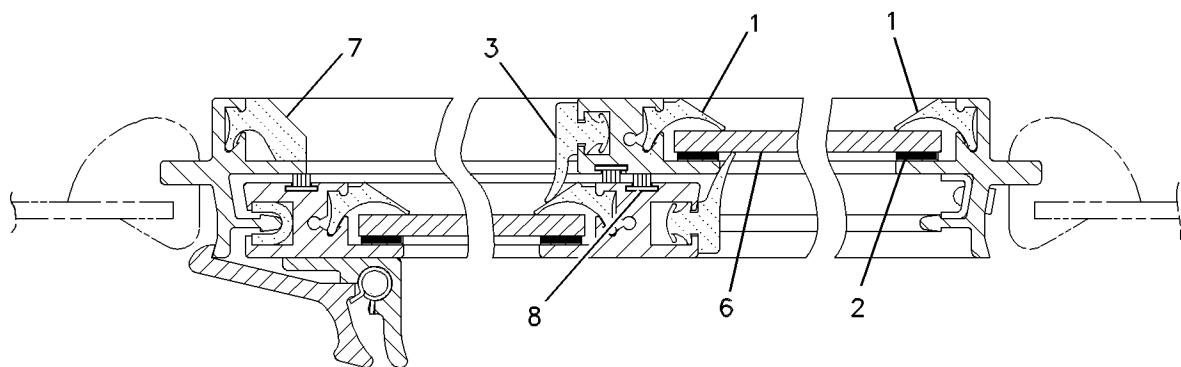
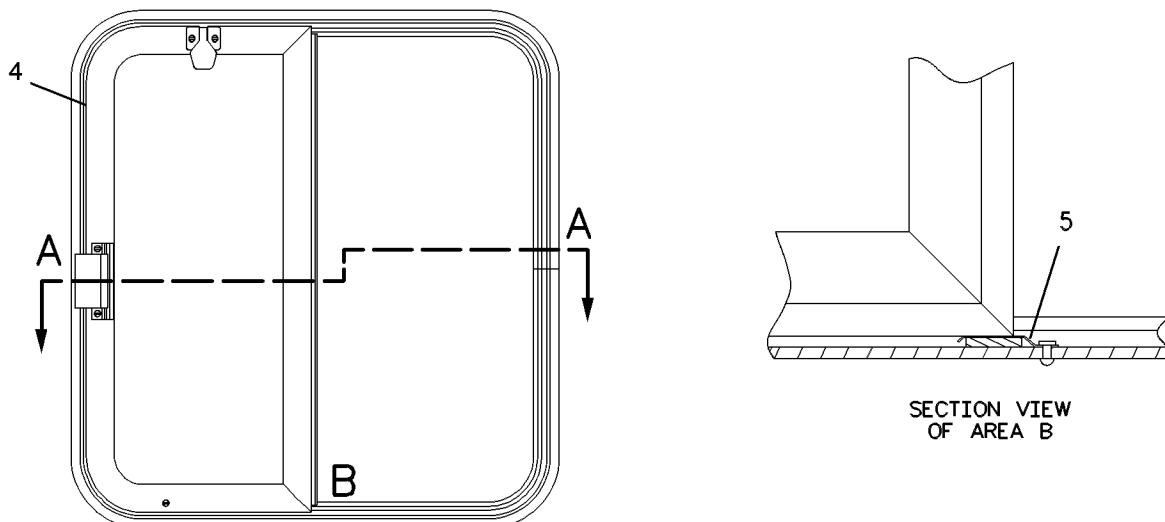
i01502195

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
BE	1	1	8Y-6423	1	SEAL							
BE	2	1	8Y-6459	1	TAPE-BUTYL							
3	1	8Y-6430	1	1	SEAL-WINDOW							
Y	4	1	8Y-6433	1	WINDOW GP-CAB (RH)							1190
	5	1	8Y-6462	1	KIT-LEAF SPRING (INCLUDES SPRING AS & RIVET)							
	6	1	8Y-6432	1	GLASS-FIXED-RH (TINTED)							
BE	7	1	8Y-6424	1	SEAL							
BE	8	1	8Y-6910	1	WEATHERSTRIP							

B-USE AS REQUIRED

E-ORDER BY THE CENTIMETER

Y-SEPARATE ILLUSTRATION



SECTION A-A

GRAPHIC #1

g00544799

# OPERATOR STATION

## 8E-3447 WINDOW GP-CAB-LH

S/N: 9EM1-UP

SLIDING

PART OF 8E-5114 WINDOW AS-SLIDING  
AN ATTACHMENT

SMCS-7310

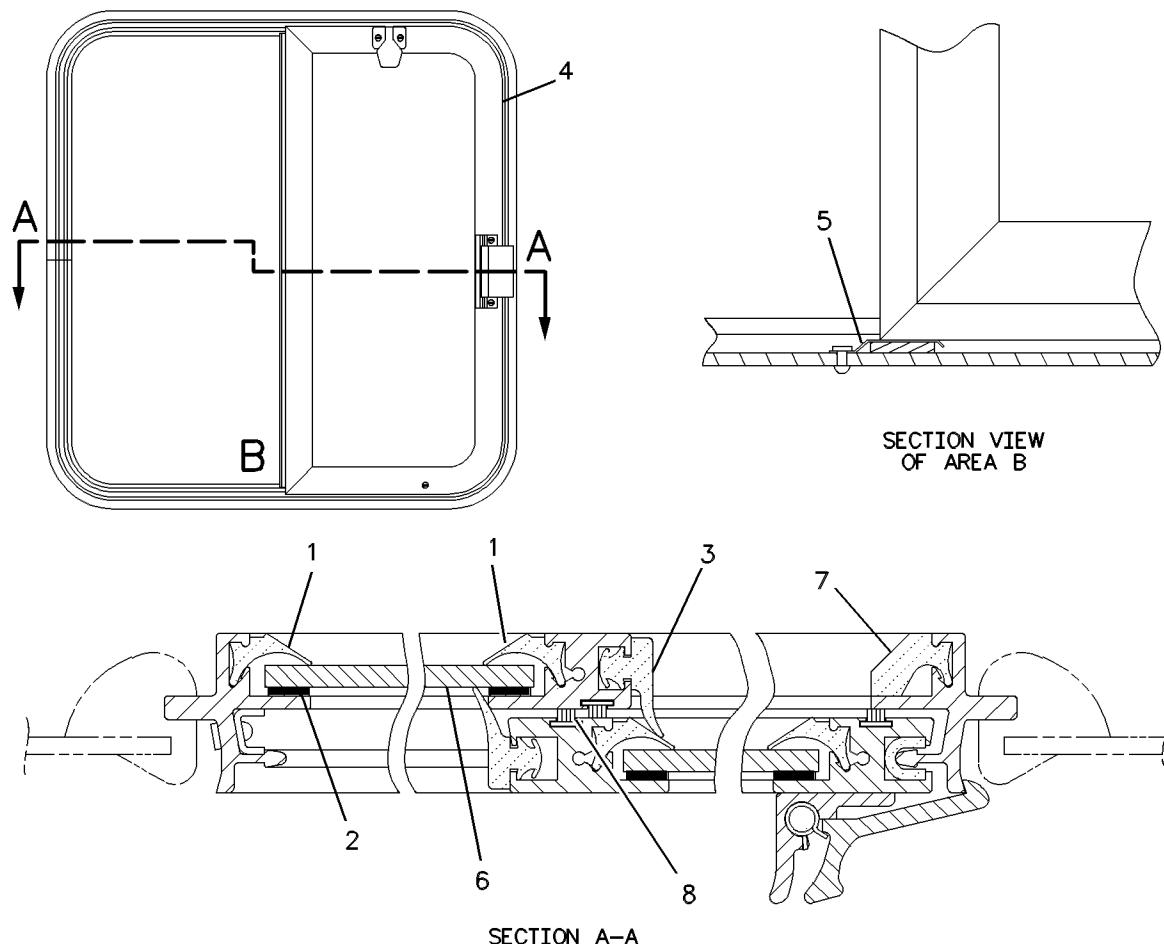
i01502198

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
BE	1	1	8Y-6423	1	SEAL						
BE	2	1	8Y-6459	1	TAPE-BUTYL						
	3	1	8Y-6430	1	SEAL-WINDOW						
Y	4	1	8Y-6420	1	WINDOW GP-CAB (LH)						1188
	5	1	8Y-6462	1	KIT-LEAF SPRING (INCLUDES SPRING AS & RIVET)						
	6	1	8Y-6419	1	GLASS-FIXED-LH (TINTED)						
BE	7	1	8Y-6424	1	SEAL						
BE	8	1	8Y-6910	1	WEATHERSTRIP						

B-USE AS REQUIRED

E-ORDER BY THE CENTIMETER

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00544804

# OPERATOR STATION

## 8Y-6420 WINDOW GP-CAB-LH

S/N: 9EM1-UP

PART OF 8E-3447 WINDOW GP-CAB  
AN ATTACHMENT

SMCS-7310

i01094900

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6		
	1	1	8Y-6454	1	KIT-CATCH							
					(INCLUDES CATCH AS & PARTS MARKED J)							
JM	2	1	084-4111	2	SCREW-PAN HEAD							
	3	1	8Y-6455	1	KIT-CATCH (INCLUDES CATCH AS & 2 SCREWS)							
M	4	1	8T-4777	2	SCREW-MACHINE (M5X0.8X12MM)							
	5	1	8Y-6460	1	KIT-RUNNER GUIDE (INCLUDES GUIDE & SCREW)							
	6	1	3S-9557	2	SCREW-PAN HEAD							
	7	1	8Y-6461	1	KIT-RUNNER GUIDE							
					(INCLUDES A GUIDE & PARTS MARKED L)							
LM	8	1	6V-2312	2	SCREW-MACHINE (M6X1X25MM)							
BE	9	1	8Y-6423	1	SEAL							
	10	1	8Y-6430	1	SEAL-WINDOW							
BE	11	1	8Y-6459	1	TAPE-BUTYL							
	12	1	8Y-6422	1	GLASS-SLIDER (TINTED)							
BE	13	1	8Y-6910	1	WEATHERSTRIP							

B-USE AS REQUIRED

E-ORDER BY THE CENTIMETER

J- INCLUDED IN 8Y6454 CATCH KIT

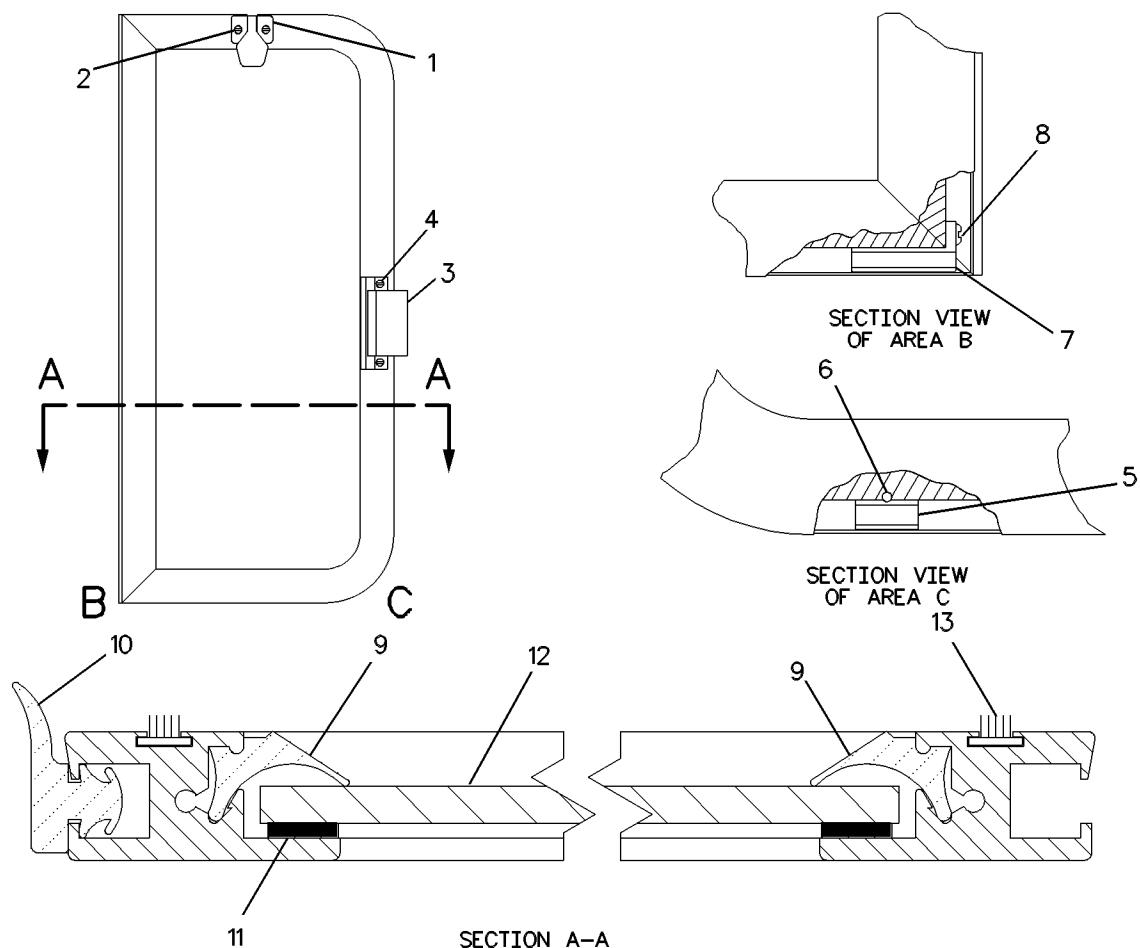
L- INCLUDED IN 8Y6461 GUIDE RUNNER KIT

M-METRIC PART

# OPERATOR STATION

8Y-6420 WINDOW GP-CAB (contd.)

i01094900



GRAPHIC #1

g00544827

# OPERATOR STATION

## 8Y-6433 WINDOW GP-CAB-RH

S/N: 9EM1-UP

PART OF 8E-3446 WINDOW GP-CAB  
AN ATTACHMENT

SMCS-7310

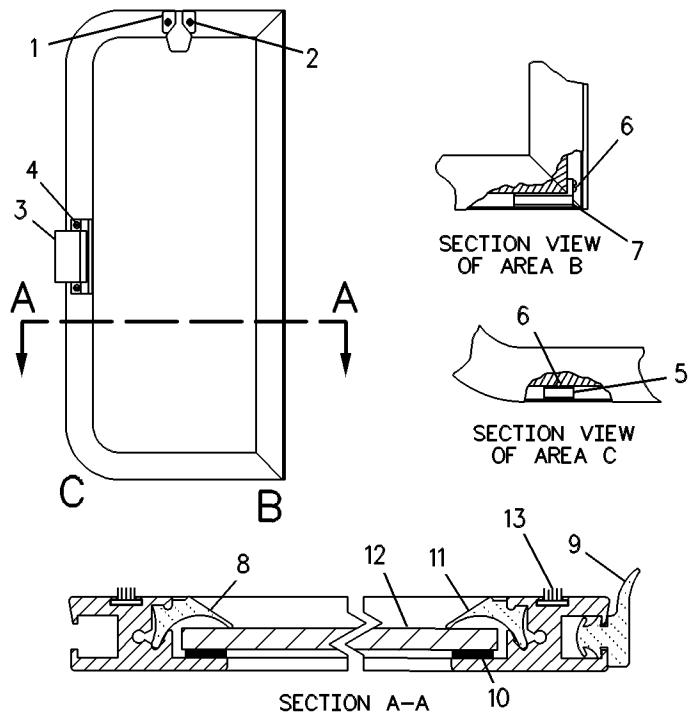
i00757589

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE					
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8Y-6454	1	KIT-CATCH (INCL CATCH AS & 2 SCREWS)						
M	2	1	084-4111	2	SCREW-PAN HEAD						
	3	1	8Y-6455	1	KIT-CATCH (INCL CATCH AS & 2 SCREWS)						
M	4	1	8T-4777	2	SCREW-MACHINE (M5X0.8X12MM)						
	5	1	8Y-6460	1	KIT-RUNNER GUIDE (INCL GUIDE & SCREW)						
M	6	1	6V-2312	2	SCREW-MACHINE (M6X1X25MM)						
	7	1	8Y-6461	1	KIT-RUNNER GUIDE (INCL GUIDE & SCREW)						
E	8	1	8Y-6423		SEAL (125CM)						
	9	1	8Y-6430	1	SEAL-WINDOW						
BE	10	1	8Y-6459		TAPE-BUTYL						
E	11	1	8Y-6423		SEAL (59CM)						
	12	1	8Y-6431	1	GLASS-SLIDER-RH (TINTED)						
BE	13	1	8Y-6910		WEATHERSTRIP						

B-USE AS REQUIRED

E-ORDER BY THE CENTIMETER

M-METRIC PART



GRAPHIC #1

g00326281

# OPERATOR STATION

## 8Y-6446 WINDOW GP-CAB-REAR

S/N: 9EM1-UP

PART OF 9N-4369 WINDOW GP-CAB  
AN ATTACHMENT

SMCS-7310

i01502199

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE						
					1	2	3	4	5	6	(PRODUCT LEVEL)	
1	1		8Y-6454	1	KIT-CATCH (INCLUDES CATCH AS & 2 SCREWS)							
M	2	1	084-4111	2	SCREW-PAN HEAD							
M	3	1	8Y-6455	1	KIT-CATCH (INCLUDES CATCH AS & 2 SCREWS)							
M	4	1	8T-4777	2	SCREW-MACHINE (M5X0.8X12MM)							
M	5	1	8Y-6460	1	KIT-RUNNER GUIDE (INCLUDES GUIDE & SCREW)							
M	6	1	6V-2312	1	SCREW-MACHINE (M6X1X25MM)							
M	7	1	8Y-6461	1	KIT-RUNNER GUIDE (INCLUDES GUIDE & SCREW)							
M	8	1	6V-2312	1	SCREW-MACHINE (M6X1X25MM)							
M	9	1	8Y-6430	1	SEAL-WINDOW							
EB	10	1	8Y-6459		TAPE-BUTYL							
EB	11	1	8Y-6423		SEAL							
	12	1	8Y-6443	1	GLASS-REAR SLIDER (TINTED)							
EB	13	1	8Y-6910		WEATHERSTRIP							

B-USE AS REQUIRED

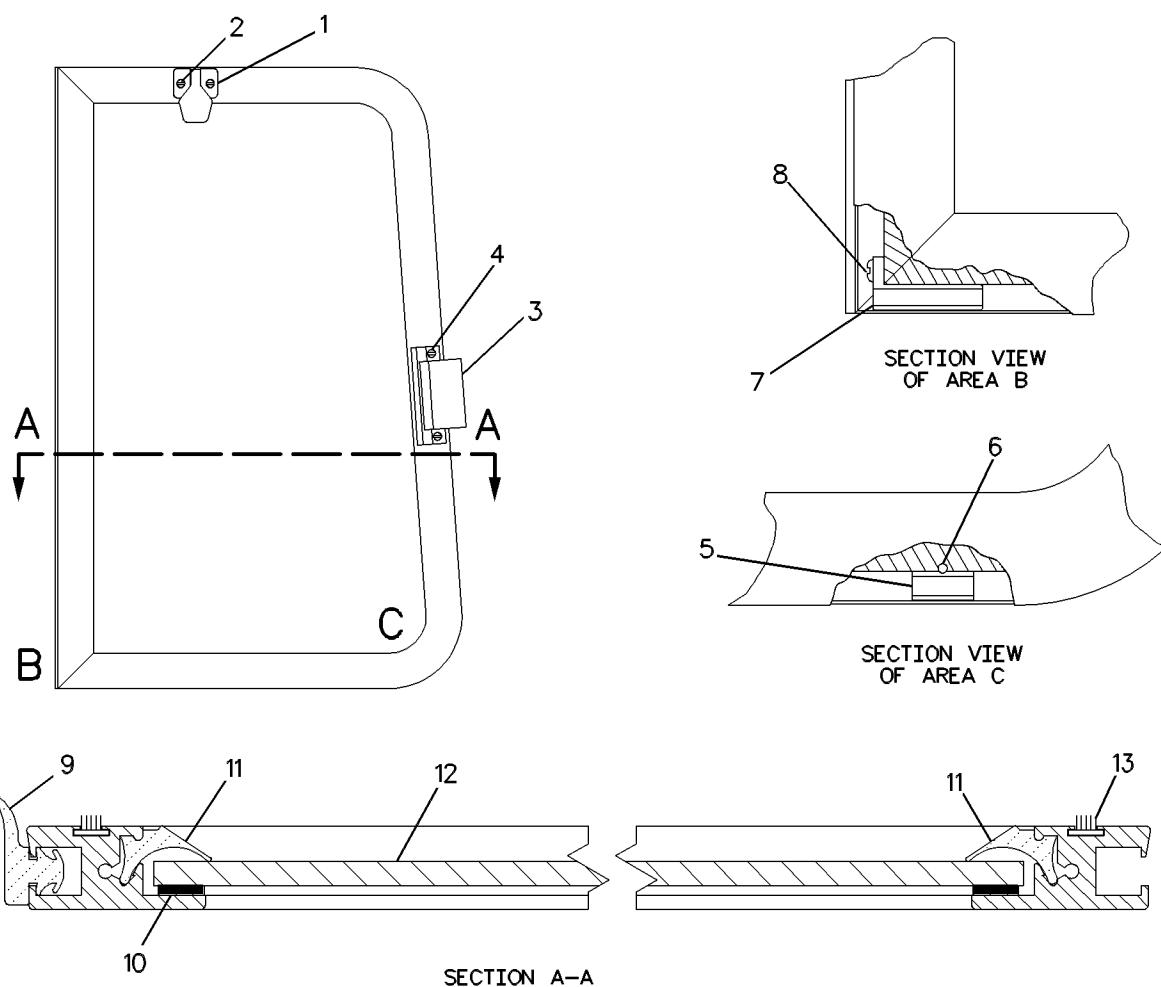
E-ORDER BY THE CENTIMETER

M-METRIC PART

# OPERATOR STATION

8Y-6446 WINDOW GP-CAB (*contd.*)

i01502199



GRAPHIC #1

g00544049

# OPERATOR STATION

## 9N-4369 WINDOW GP-CAB-REAR

S/N: 9EM1-UP

SLIDING

PART OF 8E-5112 WINDOW AS-SLIDING  
AN ATTACHMENT

SMCS-7310

i01502202

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
					1	2	3	4	5	6		
BE	1	1	8Y-6423	1	SEAL							
BE	2	1	8Y-6459	1	TAPE-BUTYL							
	3	1	8Y-6430	1	SEAL-WINDOW							
Y	4	1	8Y-6446	1	WINDOW GP-CAB (REAR)							1192
	5	1	8Y-6463	1	KIT-STOP RAIL							
JM	6	1	8C-4982	1	BOLT-SOCKET HEAD (M4X0.7X20 MM)							
J	7	1	8Y-6428	1	STOP-RUBBER							
J	8	1	8Y-6429	1	CLIP							
	9	1	8Y-6462	1	KIT-LEAF SPRING (INCLUDES SPRING AS & RIVET)							
	10	1	8Y-6445	1	GLASS-FIXED REAR (TINTED)							
BE	11	1	8Y-6424	1	SEAL (115CM)							
BE	12	1	8Y-6910	1	WEATHERSTRIP (68CM)							

B-USE AS REQUIRED

E-ORDER BY THE CENTIMETER

J-INCLUDED IN 8Y6463 STOP RAIL KIT

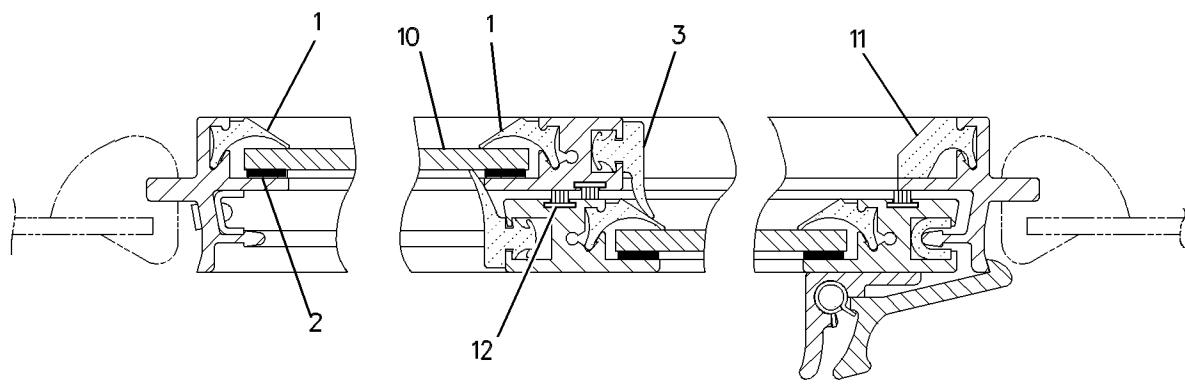
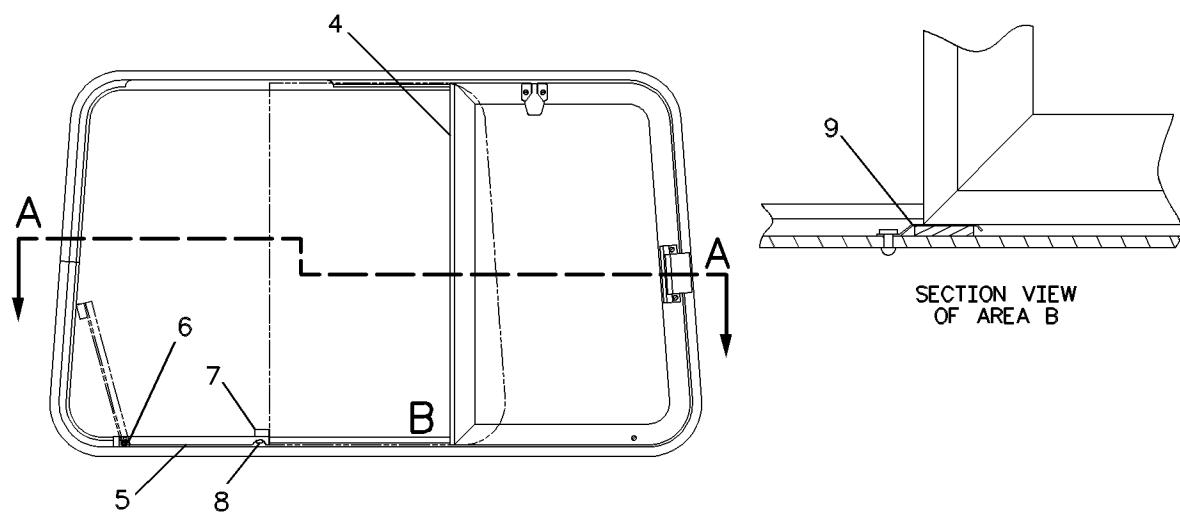
M-METRIC PART

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

9N-4369 WINDOW GP-CAB (*contd.*)

i01502202



SECTION A-A

GRAPHIC #1

g00544830

# OPERATOR STATION

## 3T-7063 WIPER GP-WINDOW-FRONT

S/N: 9EM1-UP

24 VOLT

PART OF 9U-8938 WIPER GP-WINDOW  
AN ATTACHMENT

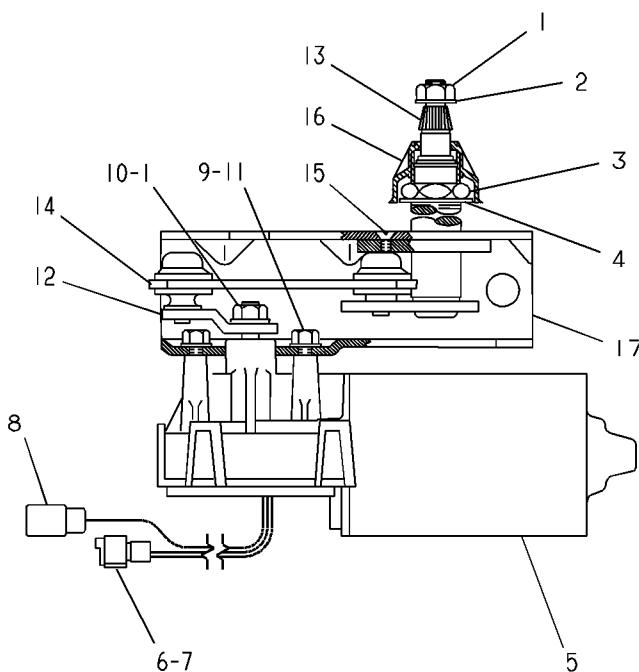
SMCS-7305

i01065846

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	6V-6889	2	NUT (M8X1.25 THD)						
	2	1	6A-9718	1	WASHER						
M	3	1	6V-6213	1	NUT (M20X1 THD)						
	4	1	6V-6214	1	WASHER						
C	5	1	9X-3392	1	MOTOR AS-WINDOW WIPER						
	6	1	7N-8204	1	HOUSING-RECEPTACLE						
	7	1	7N-7780	2	PIN-CONNECTOR (BLADE)						
		1	7N-7779	2	SOCKET						
	8	1	7K-4474	1	CONNECTOR AS						
	9	1	5P-0537	3	WASHER (2MM THK)						
	10	1	6V-6888	1	WASHER-SPRING						
M	11	1	5C-9553	3	BOLT (M6X1.0X16MM)						
	12	1	3T-7086	1	CRANK AS						
	13	1	6V-6206	1	SHAFT AS-DRIVE						
	14	1	6V-6208	1	LINK-CONNECTING						
M	15	1	3C-1884	4	SCREW-MACHINE (M5X0.8 BG THD)						
	16	1	6V-6209	1	CAP						
	17	1	3T-7059	1	BRACKET						

C-CHANGE FROM PREVIOUS TYPE

M-METRIC PART



GRAPHIC #1

g00126426

# OPERATOR STATION

## 3T-7066 WIPER GP-WINDOW

S/N: 9EM1-UP

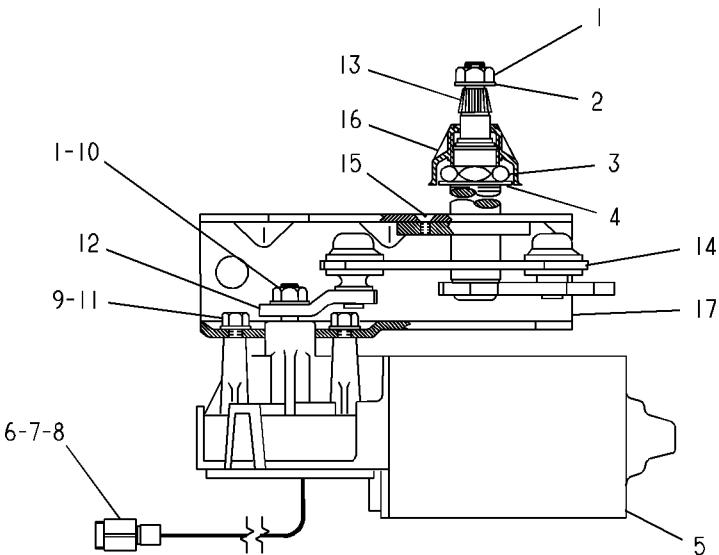
PART OF 9U-8938 WIPER GP-WINDOW  
AN ATTACHMENT

SMCS-7305

i01138785

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	6V-6889	2	NUT (M8X1.25 THD)						
	2	1	6A-9718	1	WASHER (M8.1X12.5X1MM THK)						
M	3	1	6V-6213	1	NUT (M20X1 THD)						
	4	1	6V-6214	1	WASHER (1.0MM THK)						
	5	1	6T-6216	1	MOTOR AS-WINDOW WIPER						
	6	1	7N-8204	1	HOUSING-RECEPTACLE						
	7	1	7N-7780	2	PIN-CONNECTOR (BLADE)						
	8	1	7N-7779	2	SOCKET						
	9	1	5P-0537	3	WASHER (2MM THK)						
	10	1	6V-6888	1	WASHER-SPRING						
M	11	1	5C-9553	3	BOLT (M6X1.0X16MM)						
	12	1	3T-7086	1	CRANK AS						
	13	1	6V-6799	1	SHAFT AS-DRIVE						
	14	1	6V-6208	1	LINK-CONNECTING						
M	15	1	3C-1884	4	SCREW-MACHINE (M5X0.8 BG THD)						
	16	1	6V-6209	1	CAP						
	17	1	3T-7059	1	BRACKET						

M - METRIC PART



GRAPHIC #1

g00118435

# OPERATOR STATION

## 9U-8938 WIPER GP-WINDOW

S/N: 9EM1-UP

PART OF 119-6724 CAB AR  
AN ATTACHMENT

SMCS-7305

i01142780

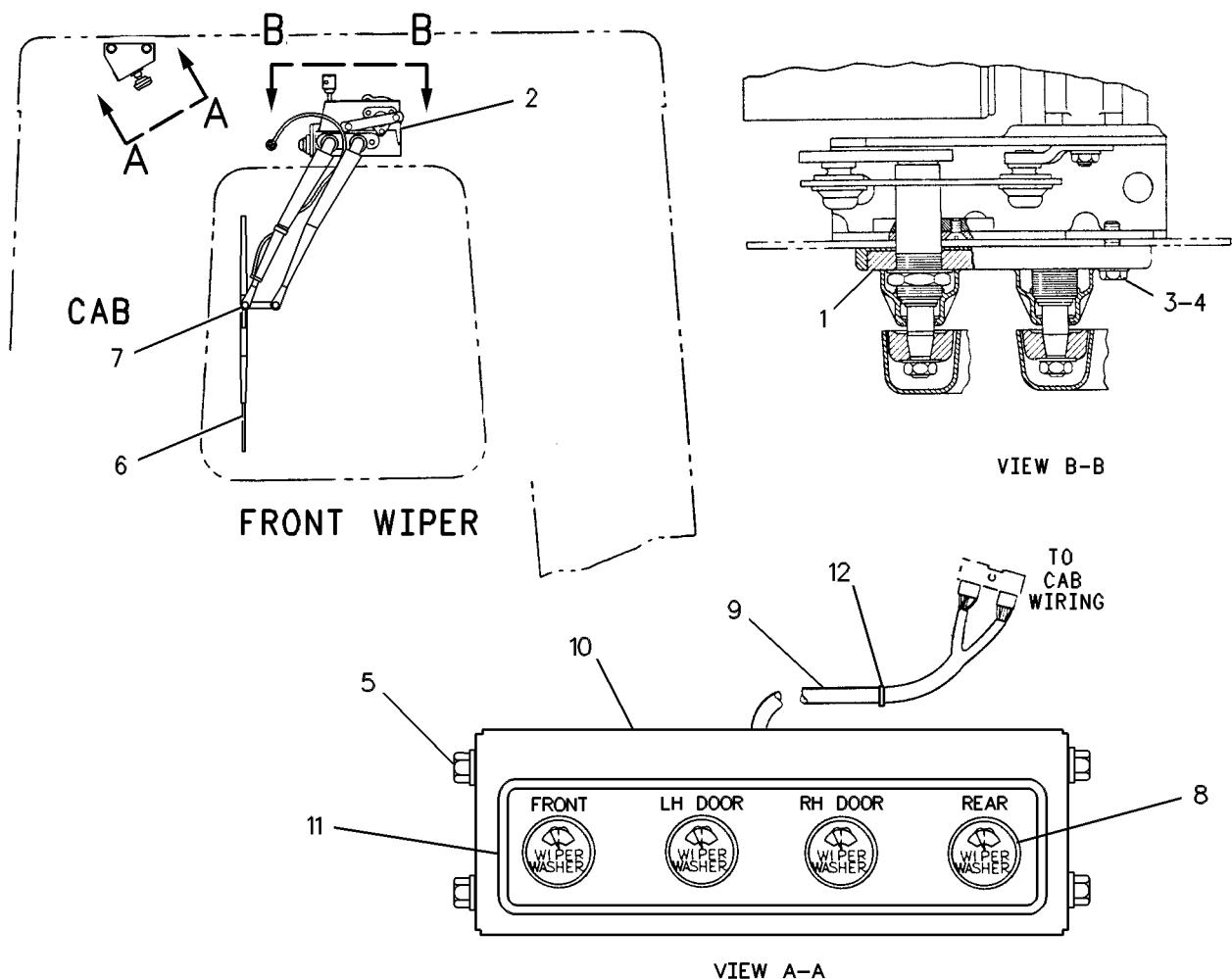
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
Y	1	1	6V-6561	1	WIPER PIVOT GP	1204
Y	2	1	<b>3T-7063</b>	1	WIPER GP-WINDOW	1196
3	1		<b>6V-3960</b>	1	BOLT (1/4-28X.875IN)	
4	1		<b>6N-7523</b>	1	WASHER (1.57MM THK)	
5	1		<b>8T-9364</b>	4	BOLT (1/4-20X.625IN)	
	1		<b>8T-4205</b>	4	WASHER-HARD (2MM THK)	
6	1		<b>6V-5851</b>	1	BLADE AS-WIPER (FRONT WINDOW)	
7	1		<b>145-8741</b>	1	ARM AS-WIPER	
8	1		<b>3T-6655</b>	4	SWITCH AS-ROTARY (WIPER/WASHER) (EACH INCLUDES)	
	1		<b>2H-3920</b>	1	LOCKWASHER (11.38MM ID)	
	1		<b>6V-8369</b>	1	NUT (7/16-28 THD)	
	1		<b>7T-9302</b>	1	KNOB-WIPER SWITCH	
	1		<b>014-0816</b>	1	SETSCREW	
9	1		<b>9U-9463</b>	1	HARNESS AS	
10	1		<b>9U-8931</b>	1	CONSOLE	
11	1		<b>9U-9942</b>	1	FILM-IDENTIFICATION	
12	1		<b>3S-2093</b>	4	STRAP-CABLE	
13	2		<b>9G-1588</b>	1	PLATE	
14	2		<b>0S-1597</b>	1	BOLT (1/4-28X1IN)	
	2		<b>5P-4115</b>	1	WASHER (2MM THK)	
15	2		<b>6V-5849</b>	2	BLADE AS-WIPER (DOORS)	
Y	16	2	<b>3T-7066</b>	1	WIPER GP-WINDOW	1197
17	2		<b>151-0256</b>	1	ARM AS	
	2		<b>8V-5455</b>	1	BOSS	
18	2		<b>6V-5853</b>	1	BLADE AS-WIPER (REAR WINDOW)	
Y	19	2	<b>7X-1751</b>	1	MOTOR AS-WINDOW WIPER (RH)	1082
Y	2		<b>7X-6112</b>	1	MOTOR AS-WINDOW WIPER (LH)	1083
20	2		<b>7T-8361</b>	2	SPACER	
21	2		<b>151-0254</b>	1	ARM AS-WIPER (RH)	
	2		<b>151-0255</b>	1	ARM AS (LH)	

Y - SEPARATE ILLUSTRATION

# OPERATOR STATION

9U-8938 WIPER GP-WINDOW (contd.)

i01142780



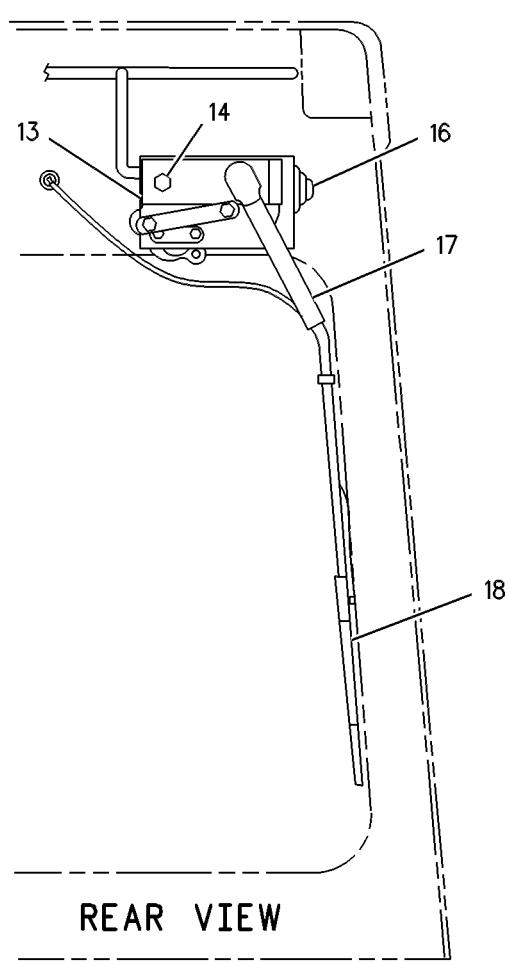
GRAPHIC #1

g00371569

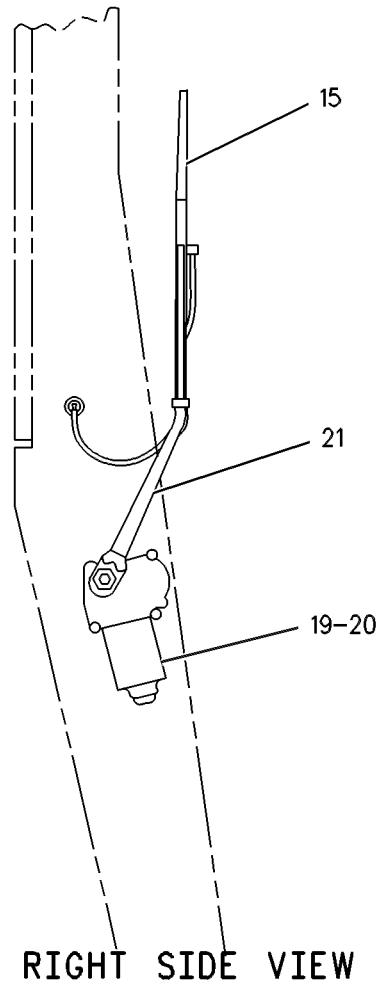
# OPERATOR STATION

9U-8938 WIPER GP-WINDOW (contd.)

i01142780



REAR VIEW



RIGHT SIDE VIEW

GRAPHIC #2

g00371570

# OPERATOR STATION

## 158-7691 WIPER GP-WINDOW

S/N: 9EM1-UP

PART OF 198-7761 CAB AR  
AN ATTACHMENT

**SMCS-7305**

**i01475572**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1	
Y	1	1	<b>147-7976</b>	1	MOTOR GP-WINDOW WIPER (FRONT)	1086
	2	1	<b>145-8741</b>	1	ARM AS-WIPER	
J	3	1	<b>6V-5851</b>	2	BLADE AS-WIPER (FRONT & REAR)	
J	4	1	<b>6V-5849</b>	2	BLADE AS-WIPER (RH & LH DOORS)	
	5	1	<b>151-0254</b>	1	ARM AS-WIPER	
Y	6	1	<b>117-1882</b>	1	MOTOR AS-WINDOW WIPER (LH DOOR)	1085
Y	7	1	<b>117-1881</b>	1	MOTOR AS-WINDOW WIPER (RH DOOR)	1084
	8	1	<b>151-0255</b>	1	ARM AS-WIPER	
	9	1	<b>7T-8361</b>	2	SPACER	
	10	1	<b>8V-5455</b>	1	BOSS	
	11	1	<b>6N-7523</b>	2	WASHER (6.48X11.9X1.57MM THK)	
Y	12	1	<b>6V-6561</b>	1	WIPER PIVOT GP	1204
	13	1	<b>151-0256</b>	1	ARM AS	
M	14	1	<b>6V-7357</b>	2	BOLT (M6X1.0X25MM)	
Y	15	1	<b>147-7979</b>	1	MOTOR GP-WINDOW WIPER (REAR)	1087
	16	1	<b>9N-2061</b>	2	CLIP (7.94MM ID)	
AVAILABLE REPAIR KIT(S):						
J			<b>8C-5060</b>		KIT-WIPER BLADE	

J-REPAIR KIT MARKED J AVAILABLE FOR PART MARKED J

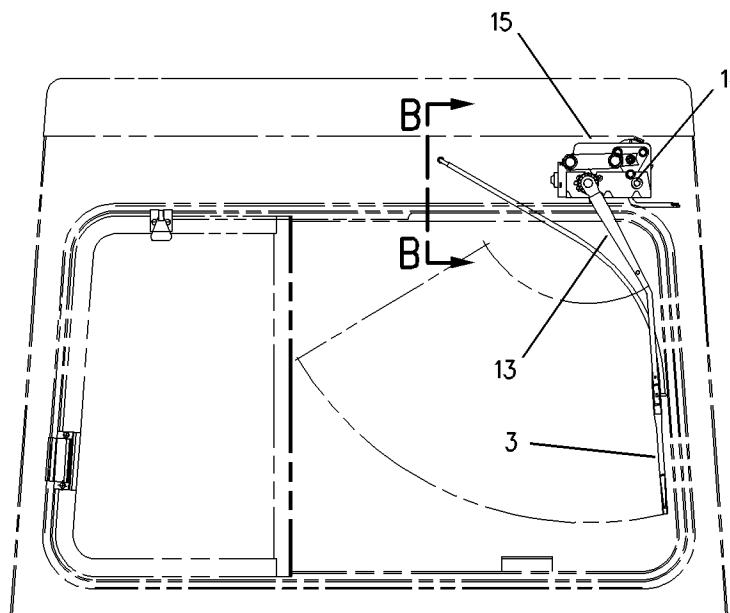
M-METRIC PART

Y-SEPARATE ILLUSTRATION

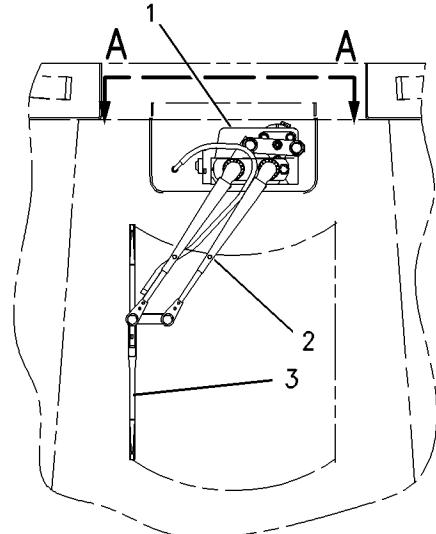
# OPERATOR STATION

158-7691 WIPER GP-WINDOW (contd.)

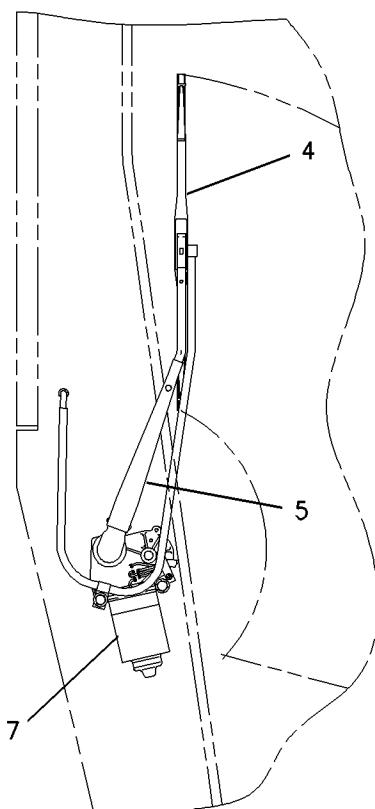
i01475572



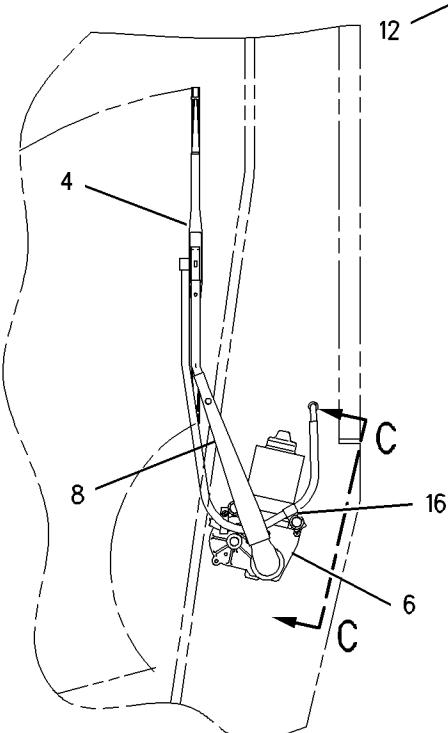
REAR VIEW



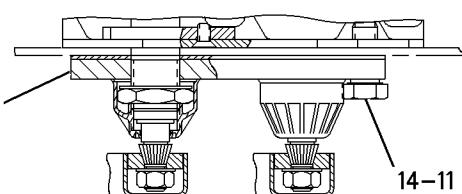
FRONT VIEW



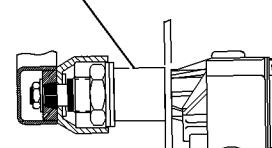
VIEW OF RH DOOR



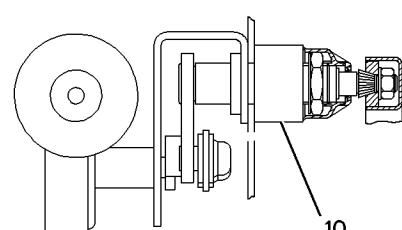
VIEW OF LH DOOR



VIEW A-A



VIEW C-C



VIEW B-B

GRAPHIC #1

g00675513

# OPERATOR STATION

## 6V-6561 WIPER PIVOT GP

S/N: 9EM1-UP

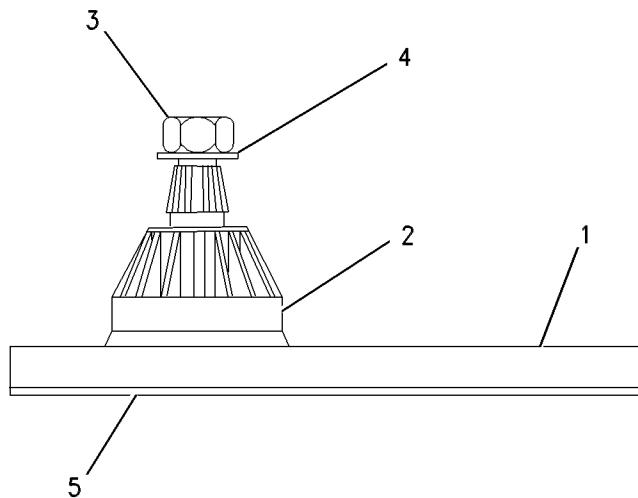
PART OF 158-7691, 9U-8938 WIPER GP-WINDOW  
AN ATTACHMENT

SMCS-7305

i01177978

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		6V-6207	1	SHAFT AS-PIVOT						
2	1		6V-6209	1	CAP						
M	3	1	6V-6889	1	NUT (M8X1.25 THD)						
4	1		6A-9718	1	WASHER (M8.1X12.5X1MM THK)						
5	1		6V-6210	1	GASKET-SHAFT						

M-METRIC PART



GRAPHIC #1

g00316575

# SERVICE EQUIPMENT AND SUPPLIES

**119-6618 FILM GP**

S/N: 9EM1-UP

PART OF 104-5448 PLATE & FILM GP

SMCS-7000

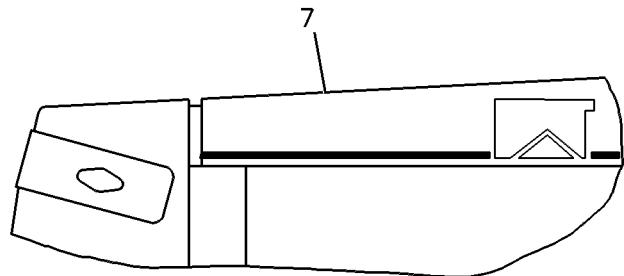
i00569664

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6	
1	1		<b>3E-6603</b>	1	FILM-STRIPE (CATERPILLAR)						
2	1		<b>127-8831</b>	1	FILM-STRIPE (CATERPILLAR)						
3	1		<b>122-0573</b>	1	FILM-D8R						
4	1		<b>110-0978</b>	1	FILM-STRIPE-RH						
5	1		<b>122-0574</b>	1	FILM-D8R						
6	1		<b>3E-6608</b>	1	FILM-STRIPE						
7	1		<b>127-0669</b>	1	FILM-STRIPE (CAT)						
8	1		<b>127-0670</b>	1	FILM-STRIPE (CAT)						
9	1		<b>119-6625</b>	1	FILM-STRIPE						
10	1		<b>119-6626</b>	1	FILM-STRIPE						
11	1		<b>119-6628</b>	1	FILM-STRIPE						
12	1		<b>119-6629</b>	1	FILM-STRIPE						
13	1		<b>119-6630</b>	1	FILM-STRIPE						

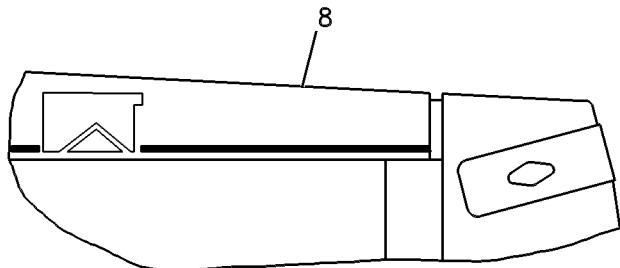
# SERVICE EQUIPMENT AND SUPPLIES

119-6618 FILM GP (contd.)

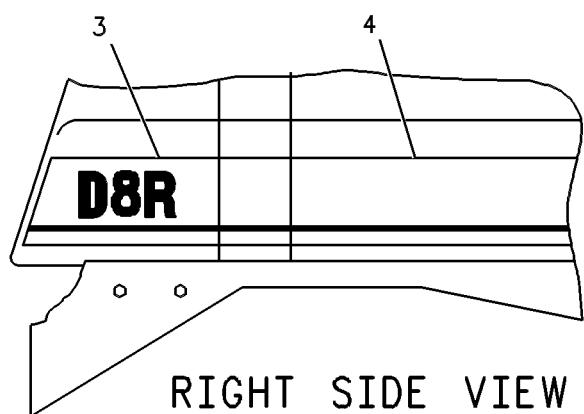
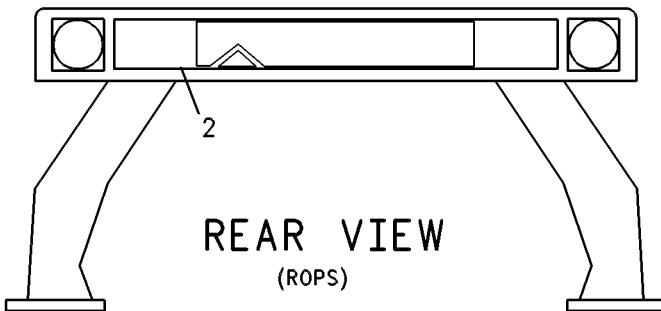
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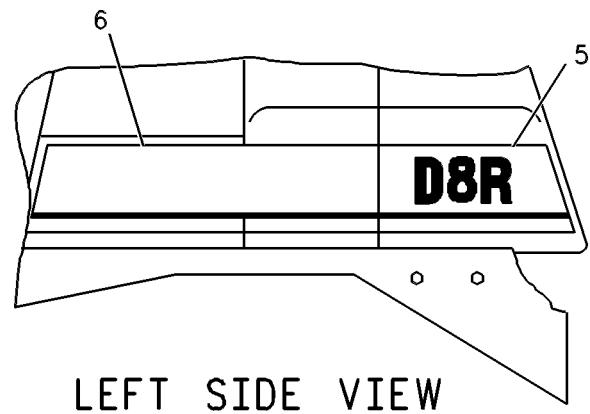
RIGHT SIDE VIEW



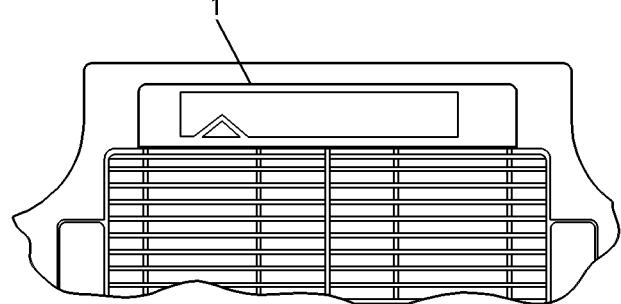
LEFT SIDE VIEW



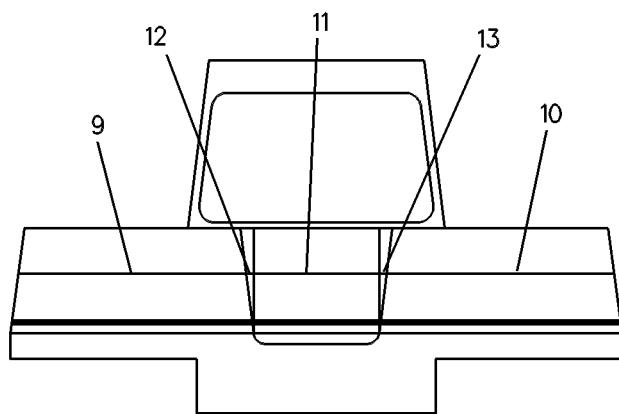
RIGHT SIDE VIEW



LEFT SIDE VIEW



FRONT VIEW



REAR VIEW

GRAPHIC #1

g00249164

# SERVICE EQUIPMENT AND SUPPLIES

## 2Y-7472 PLATE & FILM GP

S/N: 9EH1-99999; 9FH1-99999

PART OF 6Y-9458, 8E-1588 RIPPER AR  
AN ATTACHMENT

SMCS-7557, 7563

i01034617

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE
			1 2 3 4 5 6		
	2Y-9790	1	PLATE-SERIAL NUMBER ON CYLINDER TOWER		
	4B-4158	2	SCREW-DRIVE		

# SERVICE EQUIPMENT AND SUPPLIES

## 5P-4963 PLATE & FILM GP

S/N: BHE1-UP; 3MP1-UP; 4ZP1-99999; 9TP1-UP; BHR1-UP

PART OF 111-8283, 119-0486, 159-1631, 159-8378 BULLDOZER AR, 125-9171 BULLDOZER  
AR-ANGLING, 111-8281 BULLDOZER AR-SEMI-UNIVERSAL, 111-8279 BULLDOZER  
AR-UNIVERSAL  
AN ATTACHMENT

SMCS-7557, 7563

i01034631

NOTE	PART NUMBER	QTY	PART NAME						(PRODUCT LEVEL)	SEE PAGE
			1	2	3	4	5	6		
	2Y-9790	1							PLATE-SERIAL NUMBER	
	4B-4158	2							SCREW-DRIVE	

# SERVICE EQUIPMENT AND SUPPLIES

## 104-5448 PLATE & FILM GP

S/N: 9EM1-UP

**SMCS-7557 , 7563**

**i01612587**

NOTE	PART NUMBER	QTY	PART NAME	SEE PAGE
			1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	119-6618	1	FILM GP	1206
A	<b>3N-3790</b>	1	PLATE-SERIAL NUMBER (ENGINE) UPPER RIGHT HAND REAR CORNER OF CYLINDER BLOCK	
	<b>202-9824</b>	1	PLATE-INFORMATION (BRAZIL) LOCATE PLATE ON TOP LH CORNER OF REAR FACE OF CASE AND FRAME, 1MM BELOW THE MILLED ROPS PAD AND 15MM FROM THE LEFT EDGE	
	<b>5P-9466</b>	1	PLATE-WARNING (READ OPERATION MANUAL) ON UPPER LEFT HAND CONSOLE SIDE	
	<b>6Y-4227</b>	1	PLATE-NOTICE (STEERING) ON LEFT HAND CONSOLE	
	<b>159-4719</b>	1	PLATE-ROPS/FOPS RIGHT SIDE BELOW ROOF SHEET	
	<b>039-6360</b>	8	RIVET	
	<b>2K-3219</b>	4	SCREW-DRIVE	
A	<b>4B-4158</b>	4	SCREW-DRIVE (3/16X0.25 IN)	
	<b>8T-9530</b>	4	TACK-FASTENER	
	<b>8T-9530</b>	2	TACK-FASTENER  FOR CONCEALED PIN SEE CHART. LOCATE PLATE ON TOP LH CORNER FO REAR FACE OF CASE AND FRAME, 1MM BELOW THE MILLED ROPS	
				PAD AND 15MM FROM THE LEFT EDGE. USE 4 SCREWS-DRIVE TO MOUNT PLATE.
	<b>1P-2807</b>	4	FILM (LIFT EYE LOCATION) 4-FOR MACHINES WITHOUT RIPPER, ON TRACK ROLLER FRAME BETWEEN FRONT IDLER & FRONT ROLLER, BETWEEN REAR IDLER & REAR ROLLER (2 EACH SIDE) 3-FOR MACHINES WITH RIPPER, ON TRACK ROLLER FRAME BETWEEN FRONT IDLER & FRONT ROLLER, ON REAR OF RIPPER FRAME	
	<b>190-5386</b>	2	FILM-REFLECTOR (RED-EXTENDED LIFE COOLANT) ON REAR LH & RH SIDE OF MACHINE ON FILM STRIPE	
	<b>5P-9884</b>	1	FILM (HYDRAULIC OIL) ON HYDRAULIC TANK	
	<b>6V-4611</b>	1	FILM-WARNING (JUMPER CABLE) ON UNDERSIDE OF BATTERY COMPARTMENT COVER	
	<b>7X-7644</b>	8	FILM-TIE DOWN 1-FRONT TOWING EYE 6-ON TRACK ROLLER FRAMES AT FRONT & REAR MAJOR CARTRIDGE PINS & CENTERED BETWEEN FRONT & REAR IDLERS (3 EACH SIDE) 1-AT REAR OF RETRIEVAL HITCH OR RIPPER FRAME. NOT REQUIRED ON MACHINES WITHOUT HITCH OR RIPPER	
	<b>8C-3221</b>	1	FILM-OIL LEVEL (TRANSMISSION) ON INSIDE OF HYDRAULIC ENCLOSURE	
	<b>8T-4999</b>	1	FILM-INSTRUCTION (BATTERY DISCONNECT) ON FACE OF DISCONNECT SWITCH	
	<b>9X-6200</b>	1	FILM-NOTICE ON RIGHT HAND MAIN FRAME BELOW FENDER	
	<b>101-2850</b>	1	FILM-AIR CLEANER (RADIAL SEAL) ON TOP OF AIR CLEANER	

# SERVICE EQUIPMENT AND SUPPLIES

104-5448 PLATE & FILM GP (*contd.*)

i01612587

NOTE	PART NUMBER	QTY	PART NAME	(PRODUCT LEVEL)	SEE PAGE				
			1	2	3	4	5	6	
	127-8830	2	FILM-IDENTIFICATION (EQUALIZER BAR LUBRICATION) ON CASE & FRAME SIDE PLATE ABOVE EQUALIZER BAR (ONE EACH SIDE)						
	134-7258	1	FILM-IDENTIFICATION (EXTENDED LIFE COOLANT) ON INSIDE OF DOOR TO RADIATOR FILL						
	179-0160	1	FILM-INFORMATION (FUEL FILTER/WATER SEPARATOR) ON PRIMARY FUEL FILTER WITH WATER SEPARATOR						

A-NOT PART OF THIS GROUP  
Y-SEPARATE ILLUSTRATION

# PART NUMBER INDEX

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