

KOMATSU

LT-270 Parts Manual



21-4895



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This Manual is intended for parts ordering purposes only.

Komatsu has made every effort to make this manual as accurate as possible based on the information available at the time of publication and printing.

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Komatsu Mining Corp. Group
4400 West National Ave.
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Company Name Change: Joy Global Inc. to Komatsu Mining Corp.

On April 19, 2017, Joy Global Inc. changed its name to Komatsu Mining Corp. following the acquisition of Joy Global by Komatsu. Apart from this name change, Komatsu Mining Corp. is the same legal entity with the same tax ID that existed before the name change.

We are in the process of changing our technical manuals and other materials to reflect this name change, but will continue to issue our existing stock of manuals in the interim. Therefore, please consider all references to P&H Mining, Joy Mining Machinery, or Joy Global Inc. in this Manual to mean Komatsu Mining Corp. Apart from this name change, all content in this Manual is current.

We appreciate your support and look forward to continuing our relationship with you as Komatsu Mining Corp.

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GENERAL

Each Komatsu Hard Rock machine is individually serial numbered and has its own individually prepared parts manual that must be used when ordering repair parts for the specific machine.

Using a parts manual prepared for a different serial numbered machine could result in supply of a part that does not fit or apply to the machine it was ordered for.

This illustrated parts manual provides a means of identifying parts, assemblies, and structures on your Komatsu manufactured equipment.

Always buy Komatsu genuine spare parts.

HOW IS THE PARTS MANUAL STRUCTURED?

The online parts manual has a detailed Table of Contents (TOC) that lists the machine's main assembly and sub-assembly part numbers in a nested (indented) format.

Assemblies and their associated sub-assemblies are displayed with the assembly diagram in the picture view and the assembly Bill of Materials (BOM) in the parts list view.

Assembly diagrams are exploded view drawings that call out individual parts or sub-assemblies using item balloons or similar conventions. The item balloon numbers will correspond to the BOM listing for the associated assembly diagram.

The PDF or printed hard copy parts manual has its assembly drawings shown on the left-hand page while simultaneously showing the BOM on the right-hand page for easy reference.

Pages for print also include the following features:

- 1) Parts Manual Title
- 2) Assembly Description
- 3) Assembly Part Number. If the parts number is blank, this item cannot be ordered as a complete assembly.
- 4) Page Number
- 5) Current Sheet Number
- 6) Item Number, Part Number, Description, and Quantity Columns

Note that the quantities in the manual are shown as follows: For assemblies, the quantity is the number of assemblies per machine; for piece parts, the quantity is the number of parts per assembly.

7) Notes. Recommended spares, kit numbers, and other assembly specific information.

IS THE PARTS MANUAL UP TO DATE?

Komatsu Hard Rock strives to ensure that the manuals are as correct as possible before issuing them to the end user. Due to the possibility of changes required in the field, engineering modifications made to the machine after shipping date, or other unforeseen circumstances, we reserve the right to make changes in this manual without prior notice to the customer. Further, we reserve the right to continuously improve this parts manual.

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HOW DO I LOCATE PARTS IN THE MANUAL?

Machine components may be located in this book by the following methods:

- 1) Refer to the Table of Contents and determine the assembly in which the desired components appear. Then, identify parts by referring to the assembly illustration.
- 2) Search by Part Number
- 3) Search by Part Description

HOW DO I ORDER PARTS?

Contact your Komatsu representative and provide the following information to ensure prompt and accurate service:

- 1) Machine Model and Serial Number

- 2) Part Number
- 3) Part Description
- 4) Quantity of each part required
- 5) Complete Shipping Address and instructions on Method of Shipment

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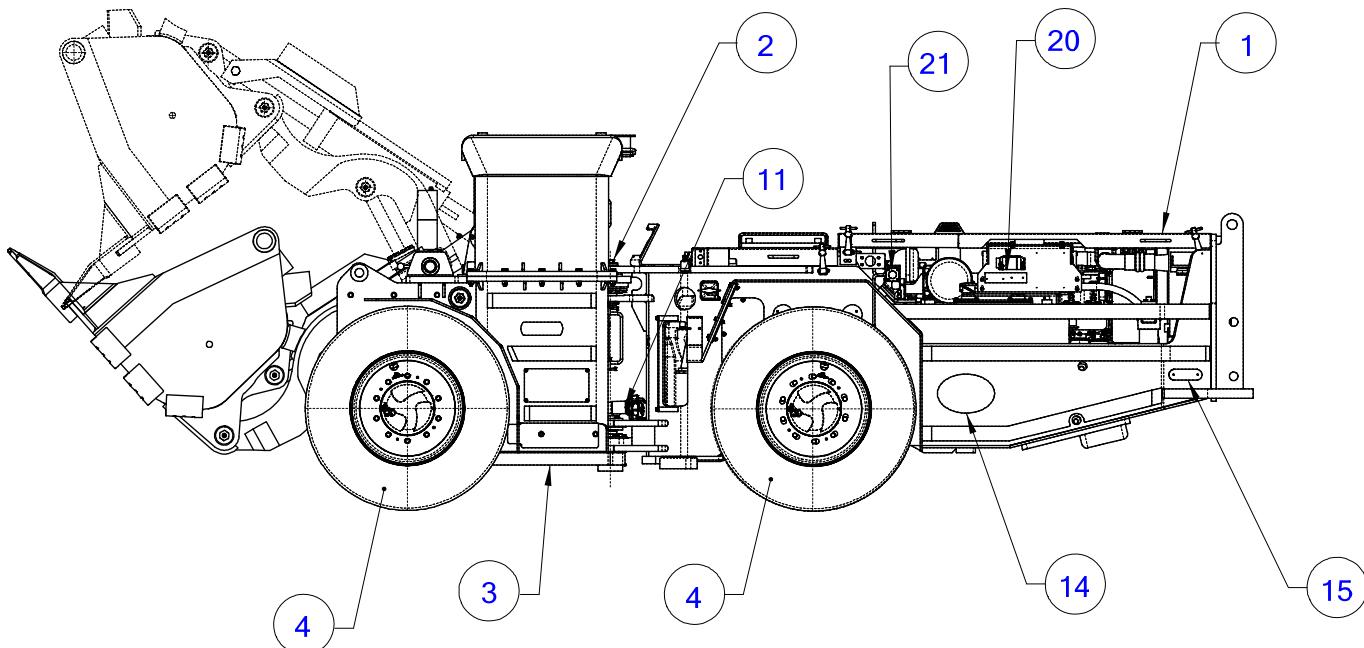
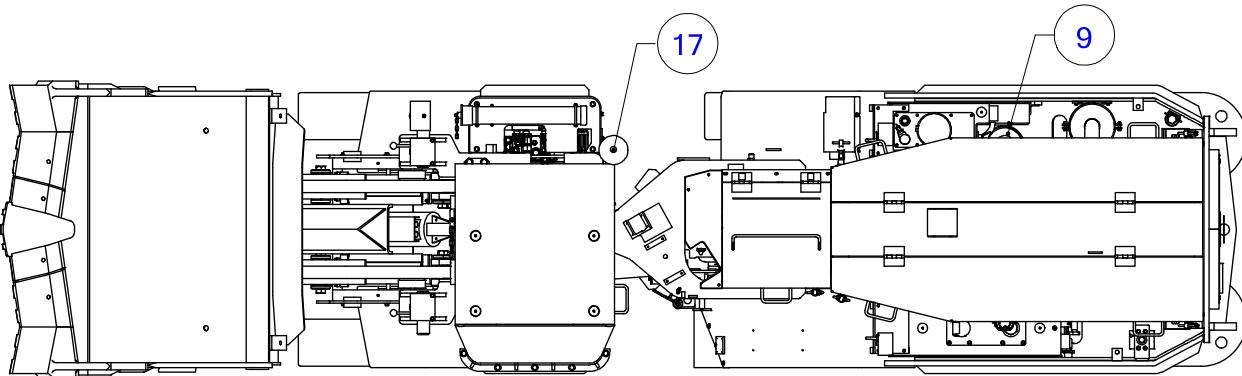
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Email: hardrockproductsupport@mining.komatsu

ABBREVIATION	DESCRIPTION
ABBR	DESCRIPTION
A/C	AIR CONDITIONING
ADJ	ADJUSTABLE; ADJUSTING
ALT	ALTERNATOR
APPROX	APPROXIMATE
AR	AS REQUIRED
ASSY	ASSEMBLY
AUTO	AUTOMATIC
BATT	BATTERY
BRG	BEARING
BRKT	BRACKET
CCW	COUNTER CLOCKWISE
CW	CLOCKWISE
CYL	CYLINDER
DC	DIRECT CURRENT
DEG	DEGREE
DIA	DIAMETER
DIFF	DIFFERENTIAL
DWG	DRAWING
E-STOP	EMERGENCY STOP
EA	EACH
ENG	ENGINE
EXH	EXHAUST
EXT	EXTERNAL
F	FAHRENHEIT
FLTR	FILTER
FOPS	FALLING OBJECT PROTECTIONS STRUCTURE
FT	FOOT
FTG	FITTING
GA	GAUGE
GAL	GALLON
HD	HEAD
HEX	HEXAGON
HHCS	SCREW, HEX HEAD CAP
HV	HIGH VOLTAGE
HYD	HYDRAULIC
I/O	INPUT/OUTPUT
ID	INSIDE DIAMETER
IN	INCHES
INSTLN	INSTALLATION
LB	POUND
LBS	POUNDS
LED	LIGHT EMITTING DIODE
LH	LEFT HAND
MAX	MAXIMUM
MIN	MINIMUM
MM	MILLIMETER
MOM	MOMENTARY
MTG	MOUNTING
N.C.	NORMALLY CLOSED
NC	NATIONAL COARSE
NEG	NEGATIVE
NF	NATIONAL FINE
N.O.	NORMALLY OPEN
NPT	NATIONAL PIPE THREAD
NSS	NOT SOLD SEPARATELY
OD	OUTSIDE DIAMETER
P/N	PART NUMBER

ABBREVIATION	DESCRIPTION
POS	POSITION; POSITIVE
PRESS	PRESSURE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
QTY	QUANTITY
REF	REFERENCE
RH	RIGHT HAND
ROPS	ROLL OVER PROTECTION STRUCTURE
RPM	REVOLUTIONS PER MINUTE
SHCS	SCREW, SOCKET HEAD CAP
SPDT	SINGLE POLE, DOUBLE THROW
SPST	SINGLE POLE, SINGLE THROW
SS	STAINLESS STEEL
STD	STANDARD
STR	STRAIGHT
TACH	TACHOMETER
TEMP	TEMPERATURE
TRANS	TRANSMISSION
UNC	UNIFIED NATIONAL COARSE
UNF	UNIFIED NATIONAL FINE
USB	UNIVERSAL SERIAL BUS
V	VOLT
W/	WITH
W/O	WITHOUT

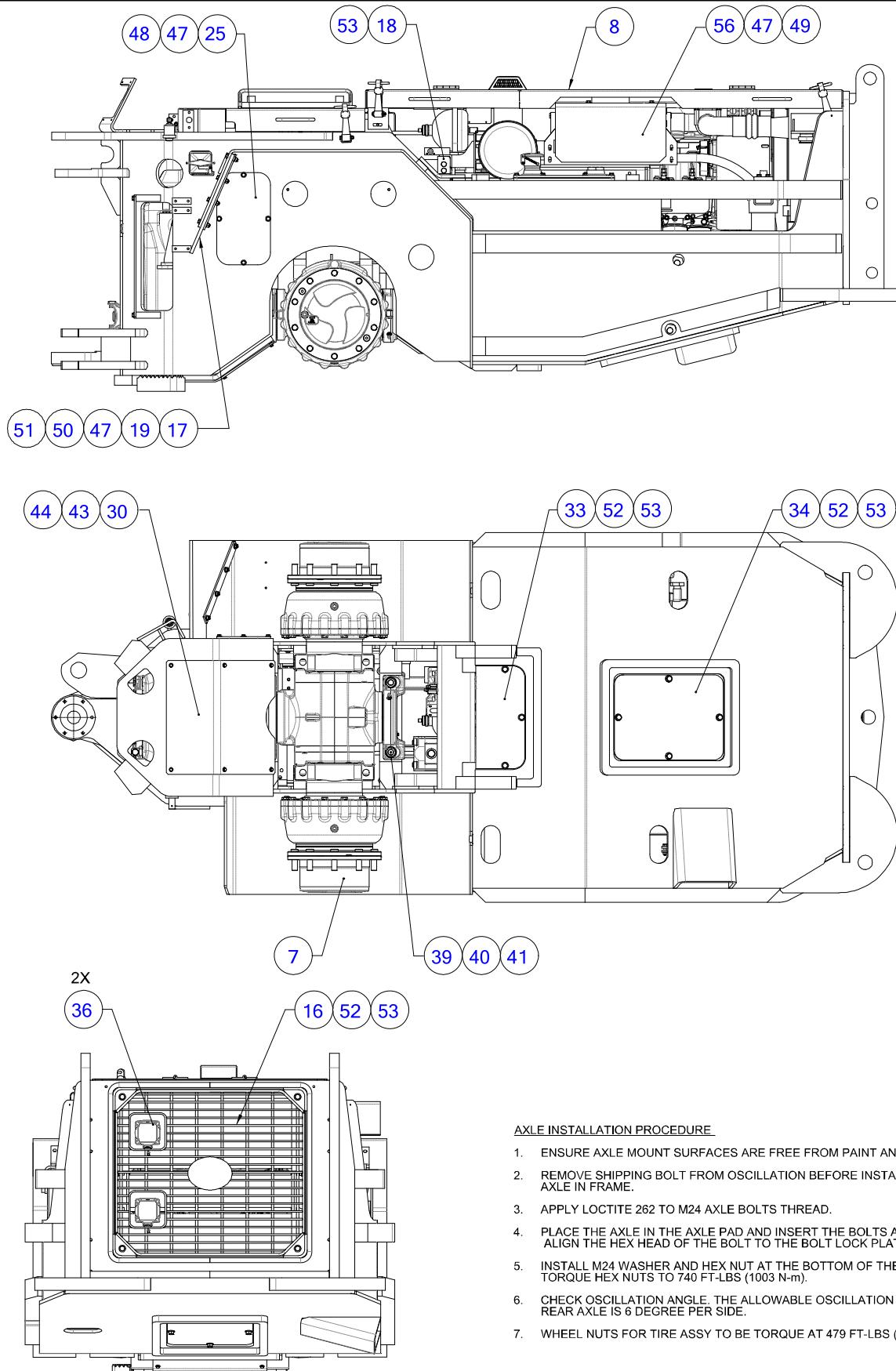
21-4895: LT-270 - MINERO DIESEL**NOTES**

- BUCKET CAPACITY 1.5 CUBIC YARDS (1.3 CUBIC METERS)
- TIRE PRESSURE 80 PSI (552 KPA)(5.52 BAR)
- TIRE COMPRESSION IS ABOUT 3" (38.2MM)

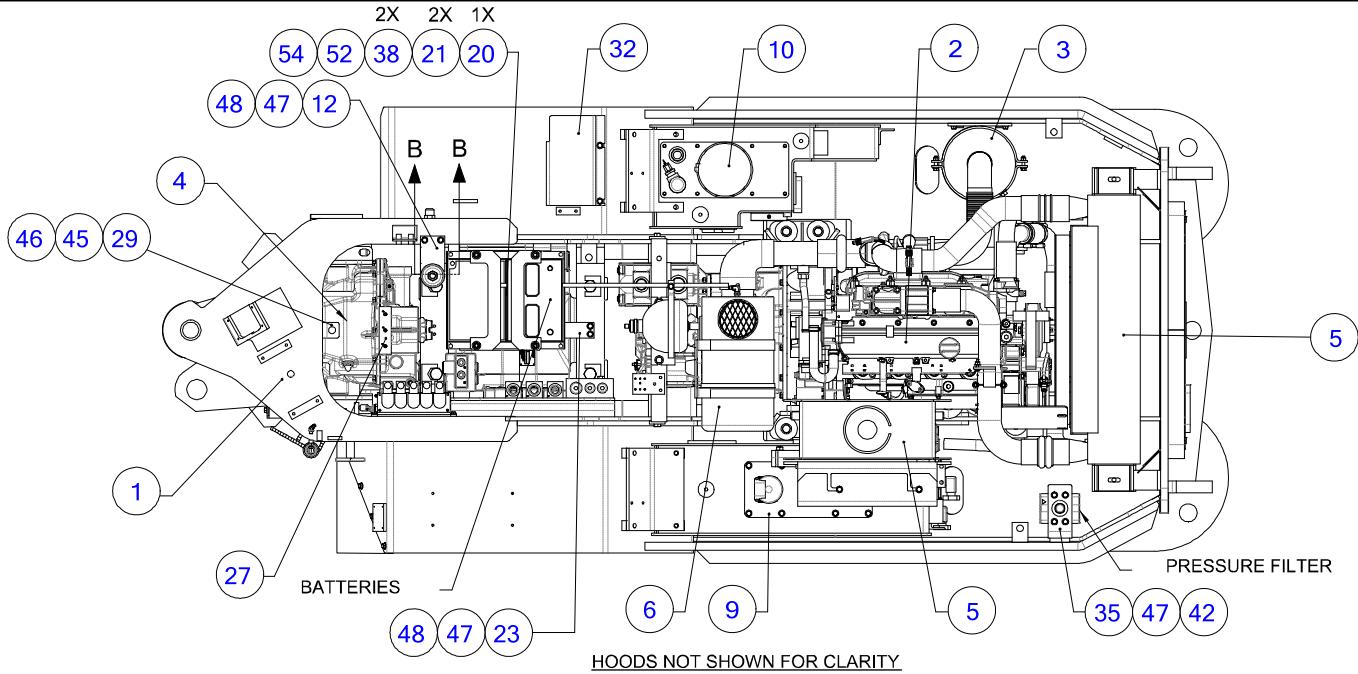
ITEM NOT SHOWN

- 5 FUEL SYSTEM
- 6 HYDRAULIC SCHEMATIC
- 7 TRANSMISSION SCHEMATIC
- 8 ELECTRICAL SYSTEM / SCHEMATIC
- 10 JOY SERIAL NO. ID DECAL
- 12 ROPS STRUCTURE DECAL
- 13 REMOTE GREASE CIRCUIT
- 16 BRAKE TEST TAGS
- 18 STANDARD FLUIDS SPECIFICATIONS

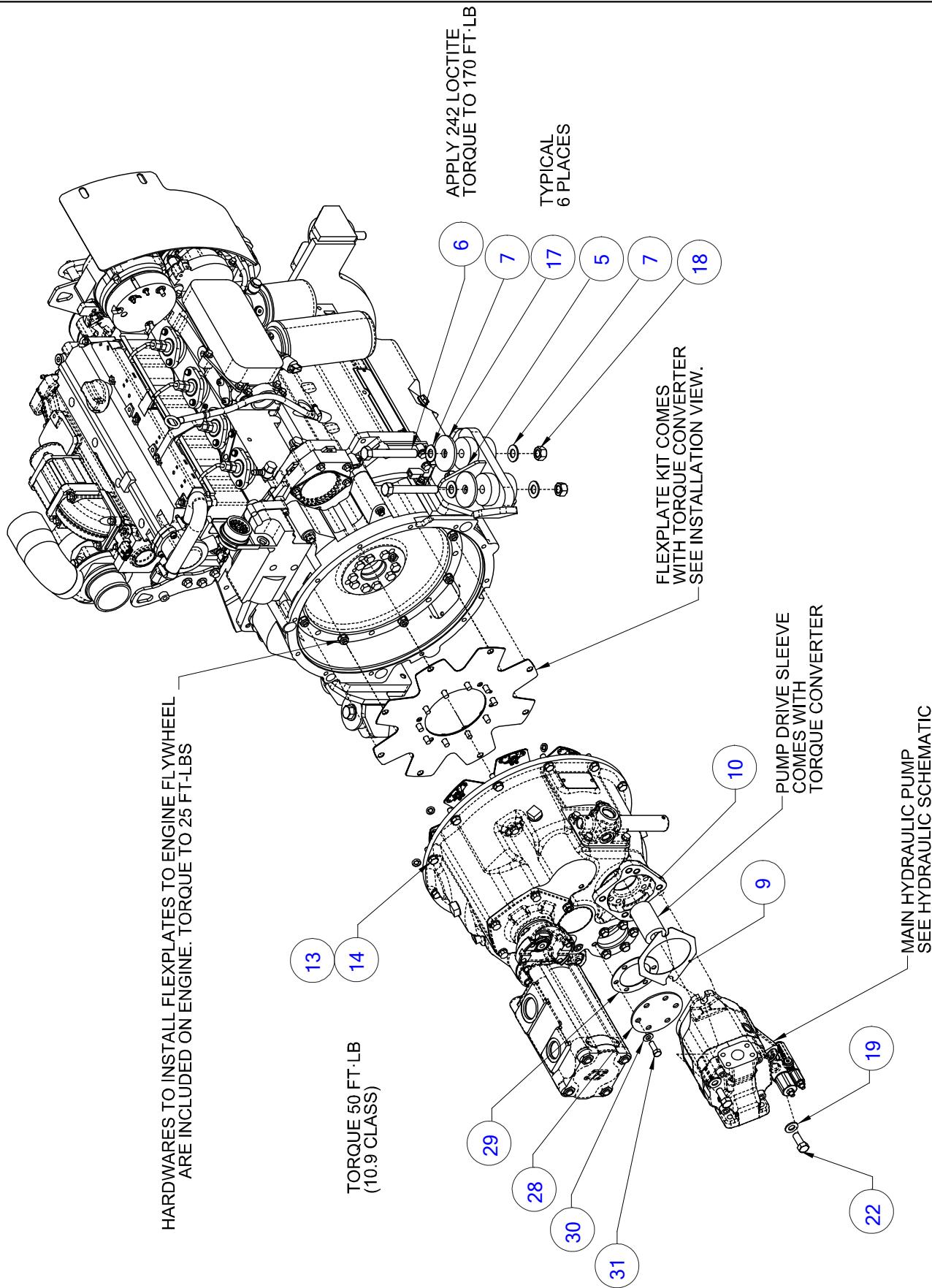
Item No.	Part Number	Part Name	Qty.
1	RH006398	ASSY, LT-270, R.FR	1
2	R006300-004	ASSY, LT-270 132 AXLE ARTICULATION	1
3	RH006397	ASSY, LT-270, F.FR.	1
4	RH006396	ASSY, 182 AXLE TIRE	4
5	R006842-005	FUEL SYS ENG BF4M2012C,RAYCOR	1
6	R025356-081	SCH, HYD, LT-270, SAHR AXLE	1
7	R010720-041	SCH, TRANS/TOR, BF4M2012, 163	1
8	R010578-102	ELC SYS, LT-270, DEUTZ	1
9	R009646-041	FSS, 20LBS, 2012, STD, LT-270	1
10	R105129	DECAL, JOY SERIAL NO. ID	1
11	R035450-002	INSTLN, LT-270 132 AXLE DRIVELINES	1
12	R009522-002	DECAL, ROPS STRUCTURES, US	1
13	R801628	REMOTE GREASE CIRCUIT LT-270	1
14	R038077-002	KIT, TAGS, BRANDING, LT-270, SP	1
15	R038075-001	INSTLN, TAG, BRASS, LT-270	1
16	R037367-002	TAGS, BRAKE TEST, SAHR, SP	1
17	R004032-102	OPTION STROBE, AMBER	1
18	RH007007	ASSY, LT-270 FLUIDS	1
19	R032830-002	INSTLN, BUCKET, LT-270	1
20	RH020569	INSTLN, BACK-UP ALARM, LT-270	1
21	RH014800	INSTLN, ESTOP, 3 BUTTON, LT-270	1

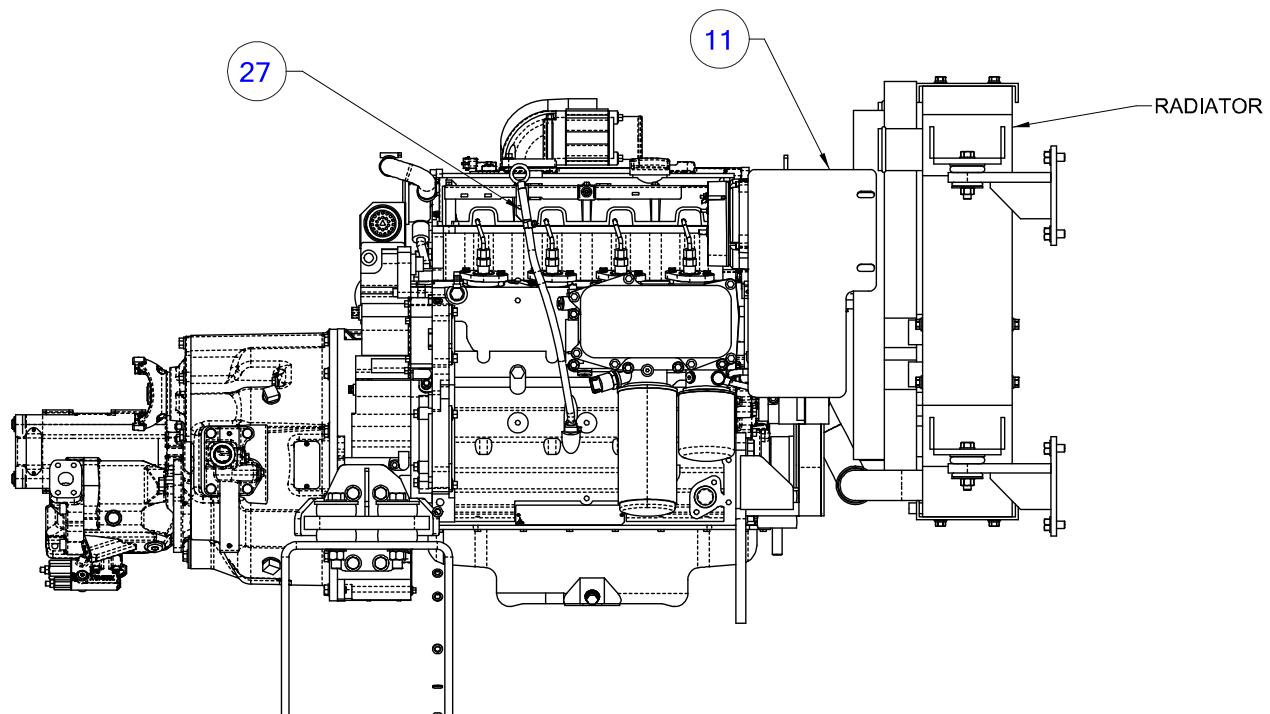
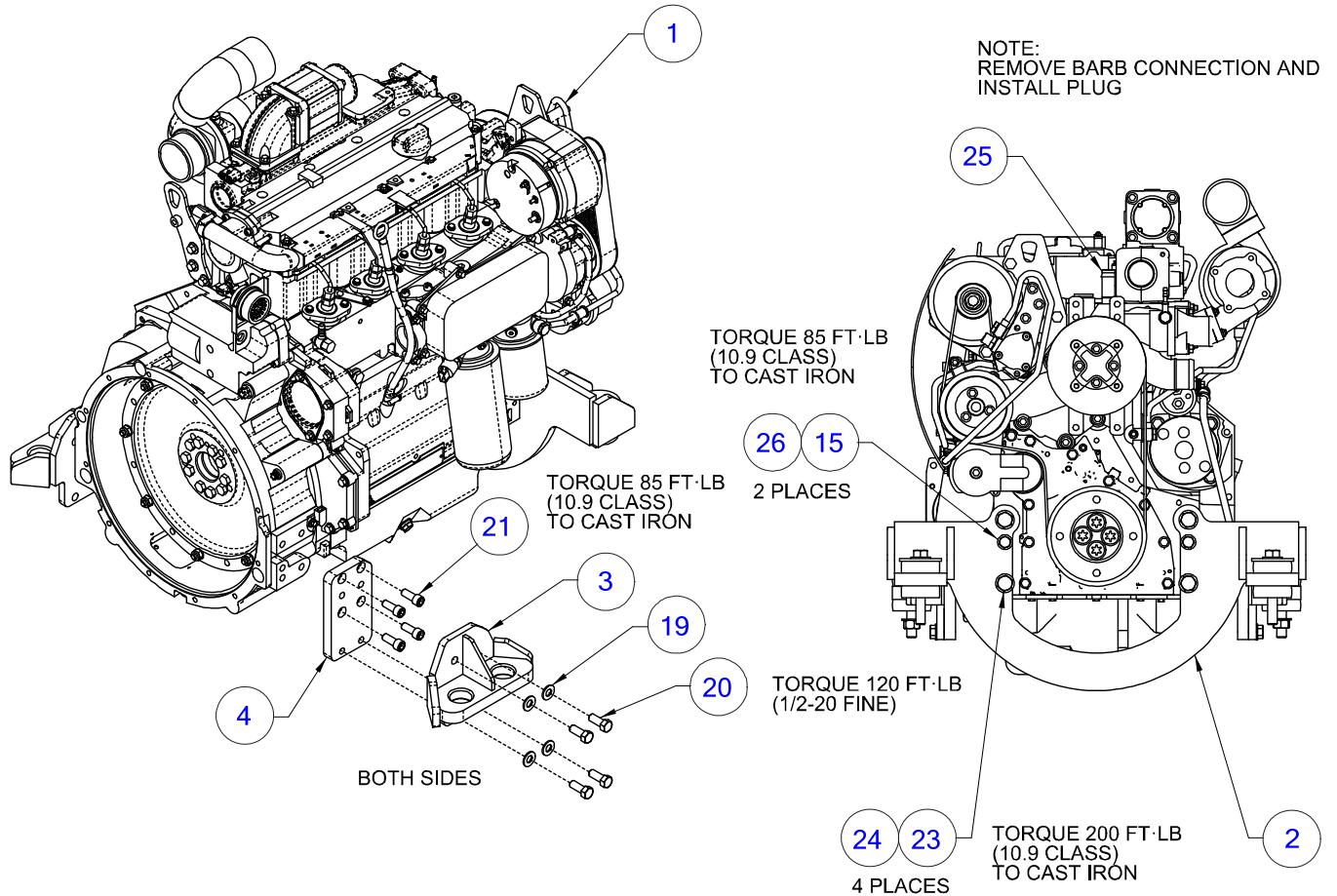
ASSY, LT-270, R.FR.AXLE INSTALLATION PROCEDURE

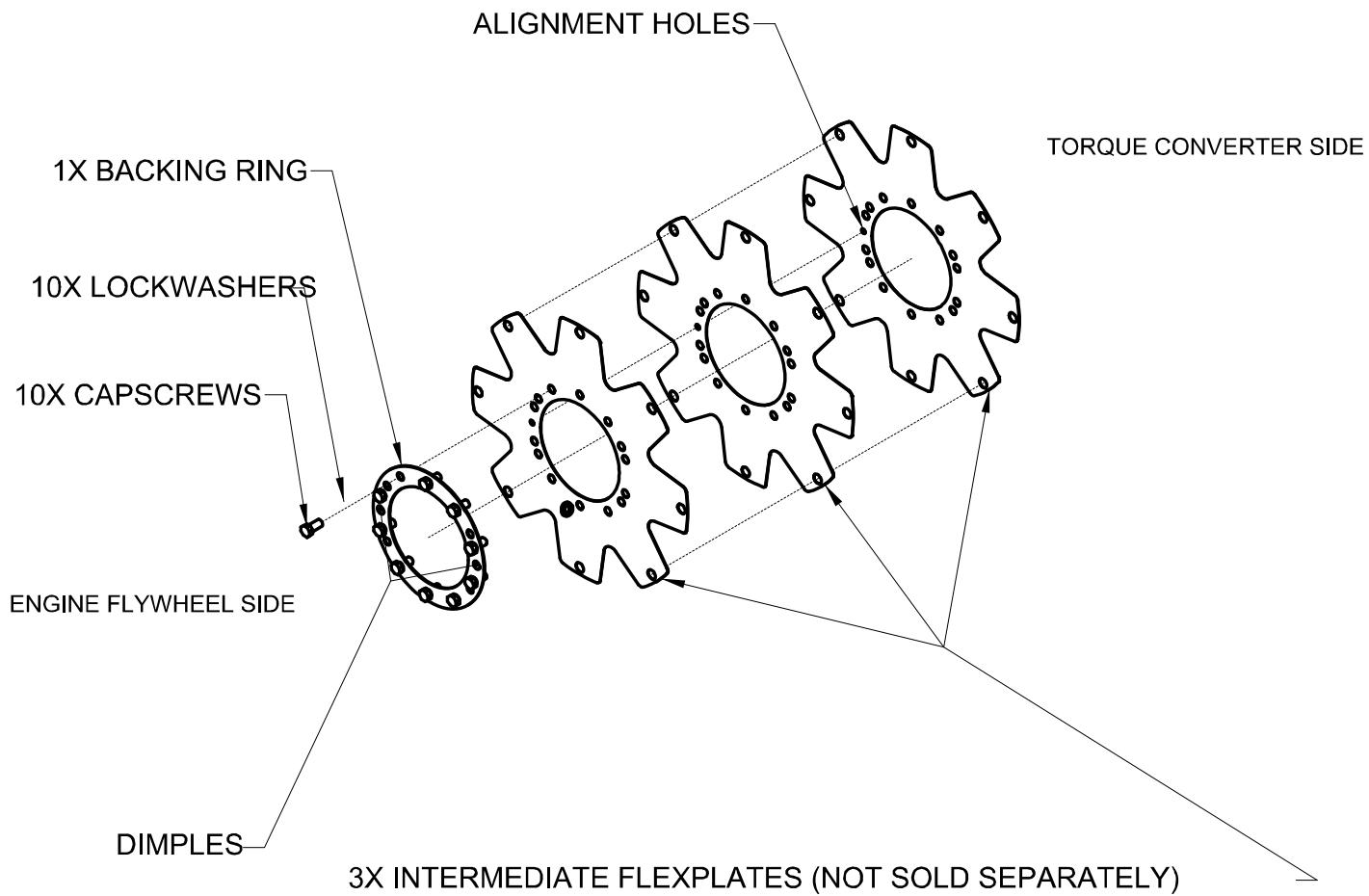
1. ENSURE AXLE MOUNT SURFACES ARE FREE FROM PAINT AND DIRT.
2. REMOVE SHIPPING BOLT FROM OSCILLATION BEFORE INSTALLING AXLE IN FRAME.
3. APPLY LOCTITE 262 TO M24 AXLE BOLTS THREAD.
4. PLACE THE AXLE IN THE AXLE PAD AND INSERT THE BOLTS AT THE TOP. ALIGN THE HEX HEAD OF THE BOLT TO THE BOLT LOCK PLATE.
5. INSTALL M24 WASHER AND HEX NUT AT THE BOTTOM OF THE AXLE. TORQUE HEX NUTS TO 740 FT-LBS (1003 N·m).
6. CHECK OSCILLATION ANGLE. THE ALLOWABLE OSCILLATION ANGLE FOR REAR AXLE IS 6 DEGREE PER SIDE.
7. WHEEL NUTS FOR TIRE ASSY TO BE TORQUE AT 479 FT-LBS (649 N·m)

ASSY, LT-270, R.FR.

Item No.	Part Number	Part Name	Qty.
1	R040609-001	REAR FRAME	1
2	R008794-007	ASSY, ENGINE, DEUTZ 2012C	1
3	R008648-007	INSTLN, EXHAUST SYSTEM, 2012, LT-270	1
4	R303411-008	INSTLN, TRANS, HYDR. LT-270	1
5	R008660-001	INSTLN, COOLING SYSTEM	1
6	R008610-010	INSTLN, AIR INTAKE	1
7	RH006393	REAR AXLE DANA 182	1
8	R026679-002	ASSY, REAR HOODS, LT-270	1
9	R039341-001	INST'L, FUEL TANK, LT-270	1
10	R039353-001	INSTLN, HYD. TANK, LT-270	1
11	R025970-001	HOSE TAMER	2
12	R802520	TRANSMISSION FILL - 0.375 -16NC X 0.625	1
13	R391048-4	STRAINER BASKET, BRONZE - 3"	1
14	R100325	CLOSE NIPPLE - 2" NPT, SCH 80	1
15	R014220-001	END CAP	1
16	R039184-001	GRILL	1
17	R801528	MUD FLAP	1
18	R040652-001	ASSY, ACCUMULATOR/FILTER MOUNT	1
19	R802475	MUD FLAP BACK PLATE	1
20	R033041-001	DRIVELINE GUARD ASS'Y	1
21	R025974-001	BATTERY HOLD DOWN PLATE	2
22	R040677-001	MOUNT PLATE	1
23	R027074-001	BULKHEAD	1
24	RH032744	PLATE, REAR FRAME BULKHEAD	1
25	R040660-001	COVER PLATE	1
26	R801274	CHARGE VALVE MOUNT PLATE	1
27	R802433	SWITCH MANIFOLD	1
28	R802743	MOUNT - Trans. Shift Valve	1
29	R801316	FIRE SUPP. NOZZLE MOUNT	1
30	R026642-001	TRANS. COVER	1
31	R033059-001	INSTLN, RUBBER RAD SHROUD	1
32	R027764-002	ASSY, COVER, FSS	1
33	R601525	ACCESS COVER	1
34	R040660-002	PLATE	1
35	R040659-001	PLATE	1
36	R037844-001	HEADLIGHT - LED,24V, HYBRID	2
37	R036020-001	SPACER	2
38	R031362-001	LINER, BATTERY TRAY	2
39	R026257-001	HHCS - M24X3X220	4
40	R114591	WASHER, FLAT - N,M24,4T,300HV,L9,CZ	4
41	R117798	NUT, HEX - M24-3NC,G10	4
42	R106472	BOLT - 0.375-24NFX0.750GR8	4
43	R128617	WASHER, FLAT - N,0.25,0.063T,300HV,G9,CZ	6
44	R800433	HHCS - 0.25-20NCx1,G8,FT,CZ	6
45	R800738	WASHER, FLAT - N,0.3125,0.063T,300HV,L9,CZ	4
46	R117555	HHCS - 0.313-18NC X 0.750 GR8	4
47	RH012781	WASHER,FLAT,N,0.375,0.063T,300HV,L9,CZ	37
48	R100665	HHCS - 0.375-16NCx0.75,G8,FT,CZ	14
49	R801880	BOLT - 0.375-16NCx0.875,G8,FT,CZ	7
50	R125564	HHCS - 0.375-16NCx1.75,G8,PT,CZ	4
51	R115938	NUT - 0.375-16NC,G8,CZ	4
52	R105992	WASHER, FLAT - N,0.5,0.094T,300HV,L9,CZ	15
53	R103573	HHCS - 0.5-13NCx1,G8,FT,CZ	15
54	R104199	NUT, HEX - HIGH,0.5-13NC,G8,CZ	4
55	R101214	BOLT - 0.375-16NCx2.25,G8,PT,CZ	4
56	RH000059	ENGINE COVER	1

ASSY, ENGINE, DEUTZ 2012C

ASSY, ENGINE, DEUTZ 2012CFINGER GUARD INSTALLATION

ASSY, ENGINE, DEUTZ 2012C**INSTALLATION INSTRUCTION - C2000 TORQUE CONVERTER 13.50" FLEXPLATE KIT**

1. REVIEW THE KIT AND CONFIRM THE PROPER FLEXPLATE BOLT CIRCLE DIAMETER HAS BEEN ORDERED AND IS COMPATIBLE WITH THE ENGINE FLYWHEEL.
2. USING THE SMALL ALIGNMENT HOLE IN THE FLEXPLATES, POSITION INTERMEDIATE FLEXPLATES AND BACKING RING TOGETHER.

NOTE: TWO DIMPLES 180 DEG. APART IN BACKING RING MUST BE OUT TOWARDS THE ENGINE FLYWHEEL.

3. INSTALL FLEXPLATE CAPSCREWS AND LOCKWASHERS AND TORQUE TO 23-25 FT-LBS (31-34 N-m).

DO NOT USE THE SHIPPING SCREWS FOR FLEXPLATE MOUNTING.

Item No.	Part Number	Part Name	Qty.
1	R008155-001	ENGINE, DEUTZ BF4M2012C	1
2	R011135-001	FRONT ENGINE MOUNT	1
3	R011137-001	REAR ENGINE MOUNT	2
4	R011140-001	ENGINE MOUNT PLATE	2
5	R009295-001	TWO-PIECE RUBBER MOUNTS	6
6	R125579	HHCS - 0.625-11NCx4.5,G8,PT,CZ	6
7	R102317	WASHER, FLAT - R,0.625,0.094T,300HV,L9,CZ	12
9	R304170	PUMP GASKET	1
10	R035099-002	TORQUE CONVERTER - C2112-1	1
11	R011364-001	INSTLN FINGER GUARD	1
13	R114557	WASHER, FLAT - R,M10,2T,300HV,L9,CZ	12
14	R108940	HHCS - M10-1.5x30,G10.9,FT,CZ	12
15	R114570	WASHER, FLAT - R,M12,2.5T,300HV,L9,CZ	2
17	R009582-001	ENGINE MOUNT WASHER	6
18	R800658	HEX NUT - 0.625-11NC,G8,CZ	6
19	R105992	WASHER, FLAT - N,0.5,0.094T,300HV,L9,CZ	10
20	R120780	HHCS	8
21	R124980	BOLT	8
22	R103572	HHCS - 0.5-13NCx1.25,G8,FT,CZ	2
23	R009485-001	HHCS - M16-2NCx50,G8.8,FT,CZ	4
24	R114559	WASHER, FLAT - N,M16,3T,300HV,L9,CZ	4
25	R203995	PLUG	1
26	R104036	HHCS - M12-1.75NCx35,G10.9,FT,CZ	2
27	R018215-001	ENGINE DIPSTICK TUBE	1
28	R006203-001	HOUSING COVER - T.C.	1
29	R004012-081	GASKET - ADAPTOR PLATE	1
30	R106473	WASHER, FLAT - N,0.375,0.063T,300HV,L9,CZ	6
31	R100157	HHCS - 0.375-16NCx1,G8,FT,PL	6

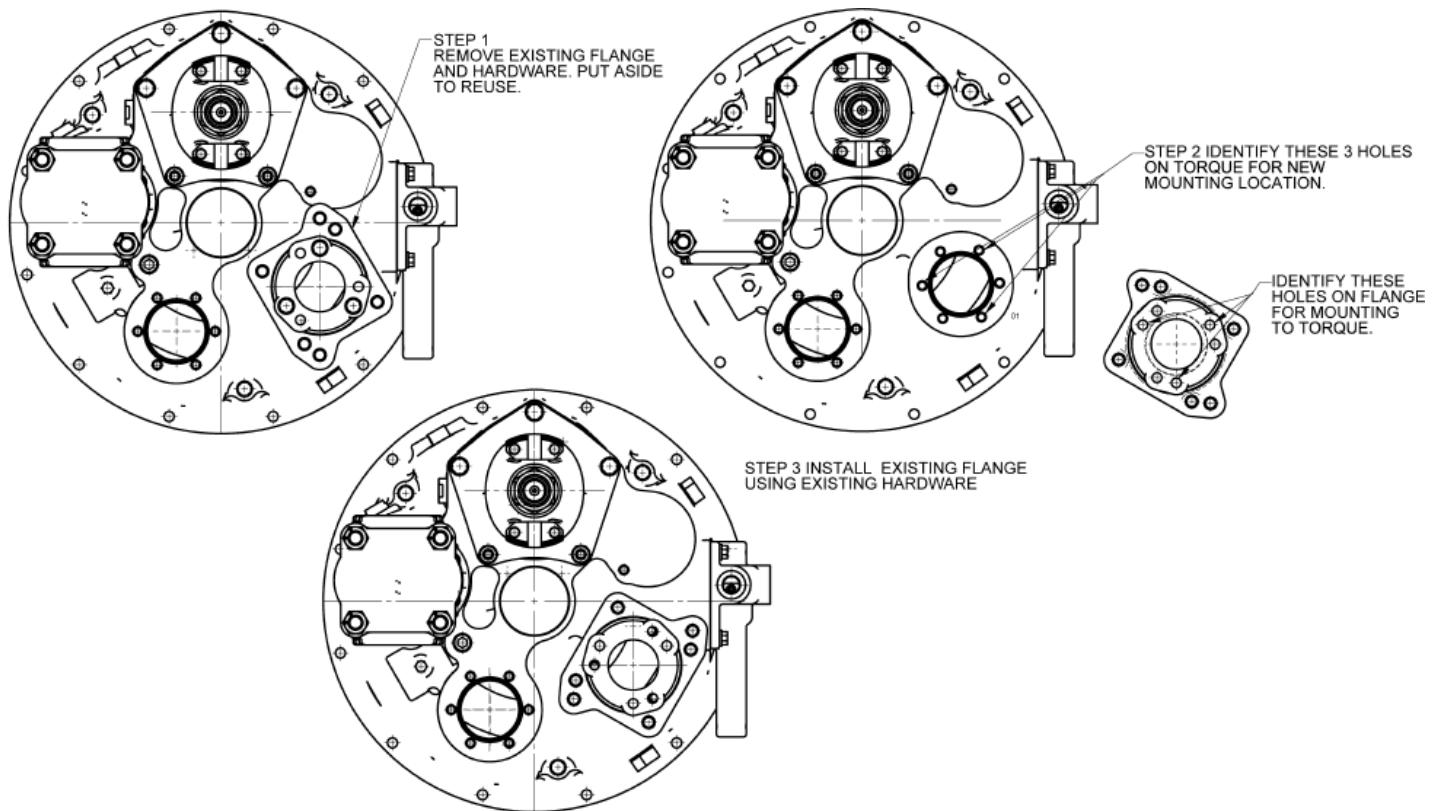
21-4895: LT-270 - MINERO DIESEL



ENGINE, DEUTZ BF4M2012C

SEE PARTS LIST

Item No.	Part Number	Part Name	Qty.
1	R008155-002	FRONT SEAL	1
2	R008155-003	OIL PAN GASKET	1
3	R008155-004	VALVE COVER GASKET	1
4	R008155-005	REAR SEAL	1
5	R201726	SPIN-ON OIL FILTER	1
6	R008155-006	INJECTOR NOZZLE	1
7	R206147	FUEL FILTER - Repl. by 003444-001	1
8	R008155-008	FUEL SUPPLY PUMP	1
9	R008155-009	V-BELT PULLEY	1
10	R008155-010	TURBO	1
11	R008155-011	BELT, V-RIBBED	1
12	R013384-001	ALTERNATOR	1
13	R008155-013	PULLEY - ALTERNATOR	1
14	R008155-014	TEMPERATURE SENDER	1
15	R008155-015	RELAY - POWER	1
16	R206539-001	STARTER	1

TORQUE CONVERTER - C2112-1

21-4895: LT-270 - MINERO DIESEL

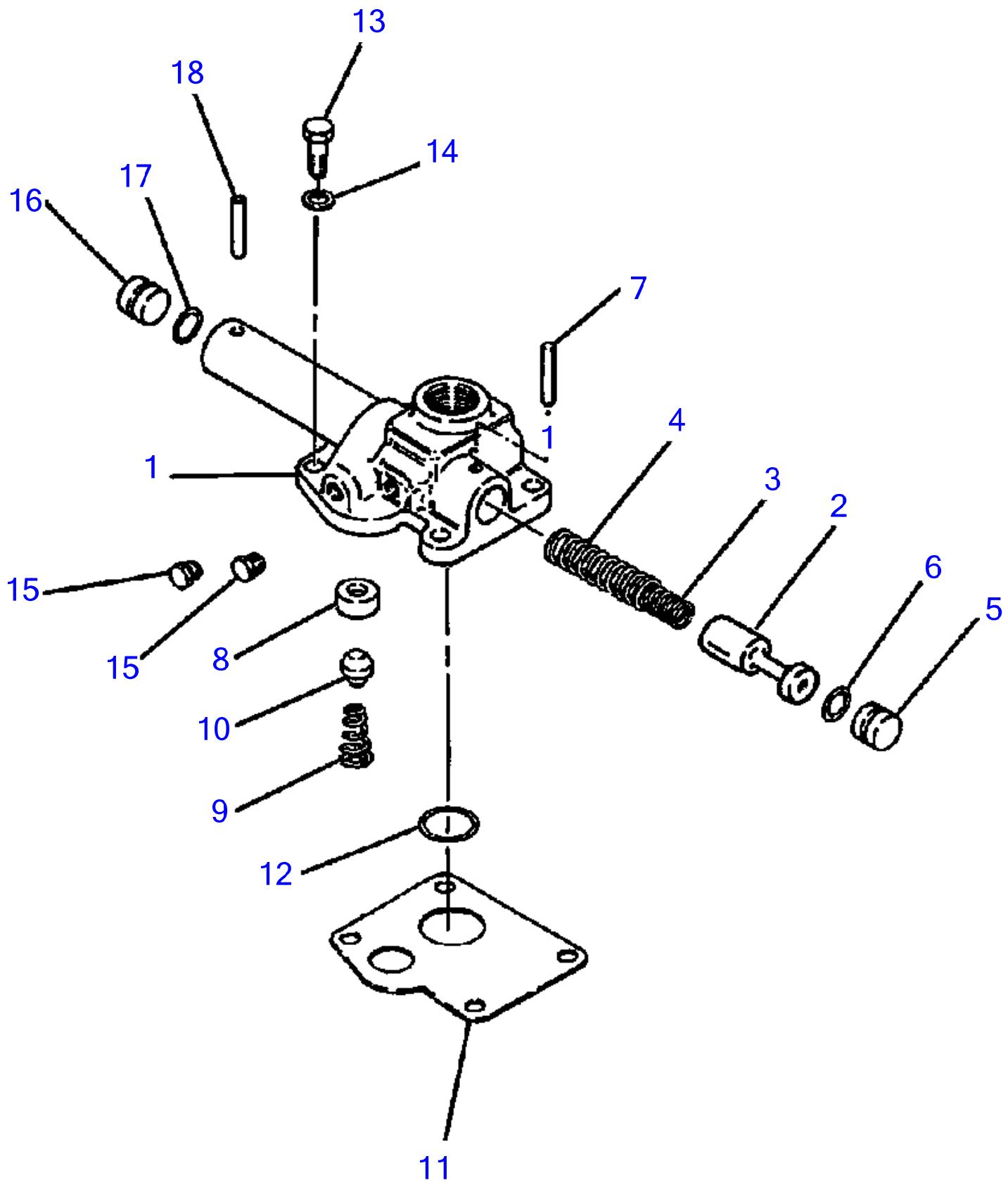
KOMATSU

Item No.	Part Number	Part Name	Qty.
1	R035099-001	TORQUE CONVERTER - C2112-1	1

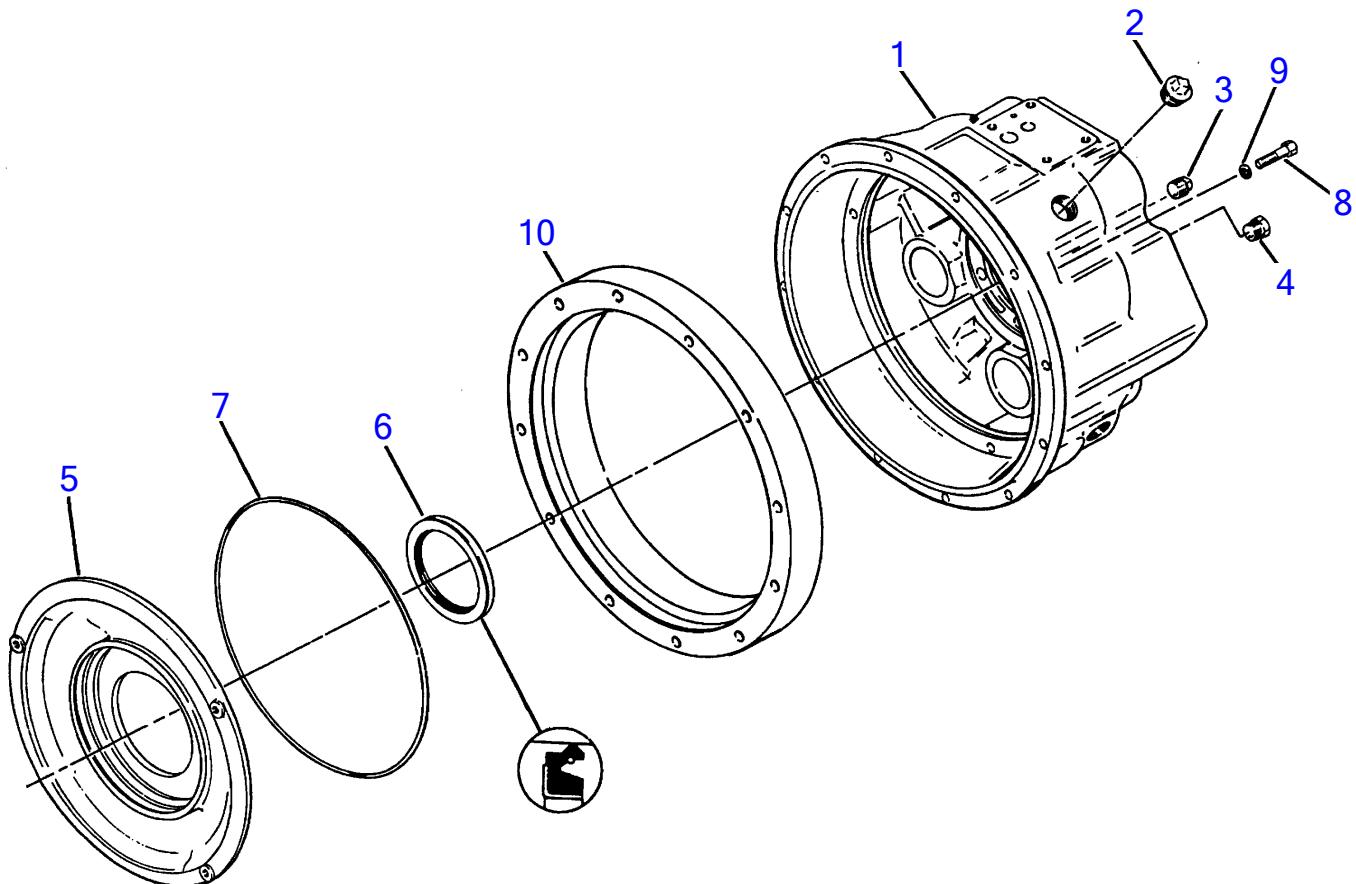
TORQUE CONVERTER - C2112-1**1 PRESS. REGULATING VALVE GROUP****2 CONVERTER HOUSING GROUP****3 WHEEL GROUP****4 STATOR SUPPORT GROUP****5 OUTPUT & TURBINE SHAFT GROUP****6 PUMP DRIVE GROUP****7 CHARGING PUMP GROUP****8 PUMP ADAPTER GROUP****9 PUMP COVER GROUP****10 DRIVE PLATE KIT****11 DRIVE SLEEVE ASSY****12 GASKET, OIL SEAL & SEALING RING KIT**

Item No.	Part Number	Part Name	Qty.
1		PRESSURE REGULATING VALVE GRP	1
2		CONVERTER HOUSING GROUP	1
3		WHEEL GROUP	1
4		STATOR SUPPORT GROUP	1
5		OUTPUT & TURBINE SHAFT GROUP	1
6		PUMP DRIVE GROUP	1
7		CHARGING PUMP GROUP	1
8		PUMP ADAPTOR GROUP	1
9		PUMP COVER GROUP	1
10		DRIVE PLATE KIT	1
11	R235262	ASSY, PUMP DRIVE SLEEVE	1
12	R035099-103	GSKT, OIL SEAL & SEALING RING KIT	REF.

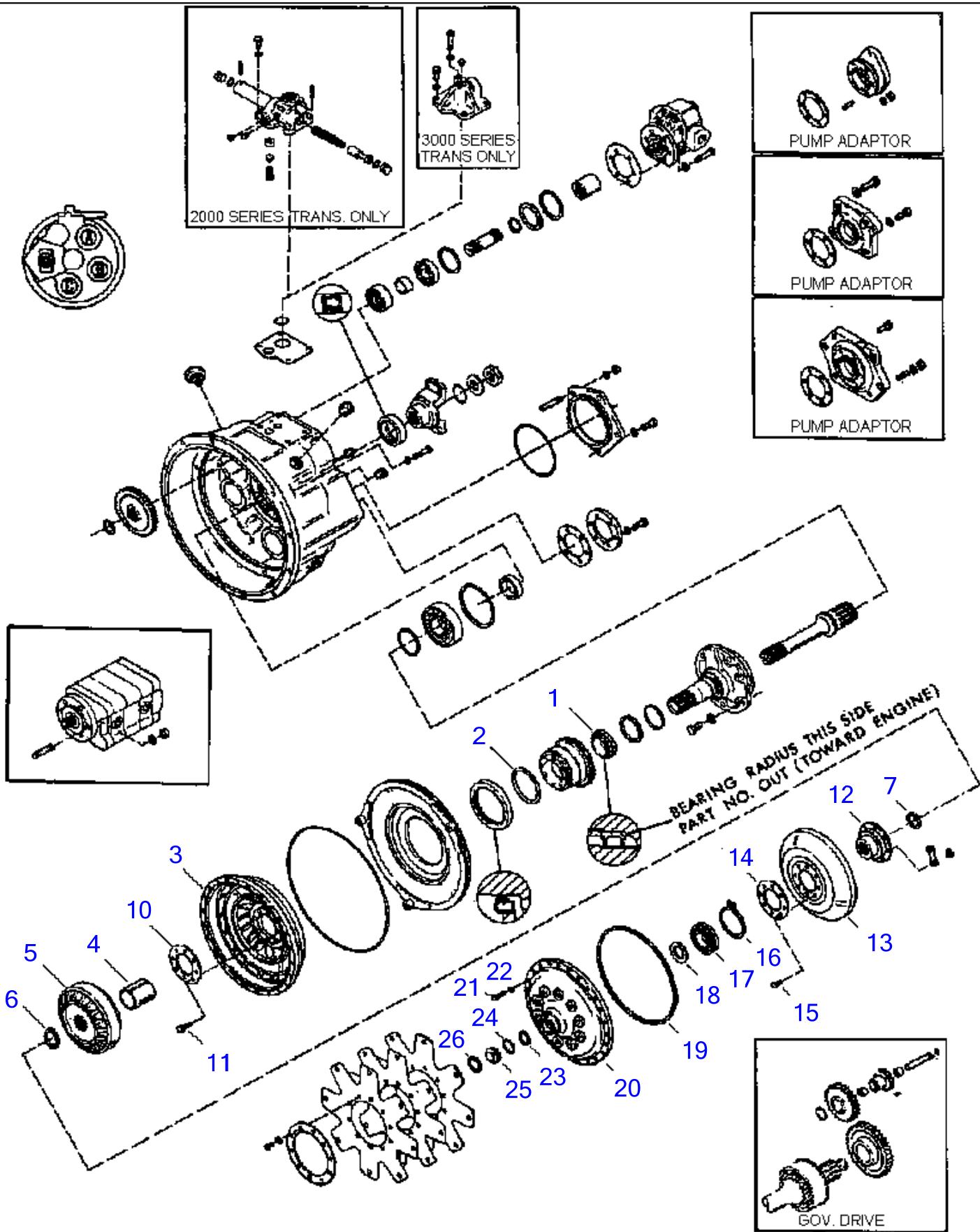
PRESS. REGULATING VALVE GROUP



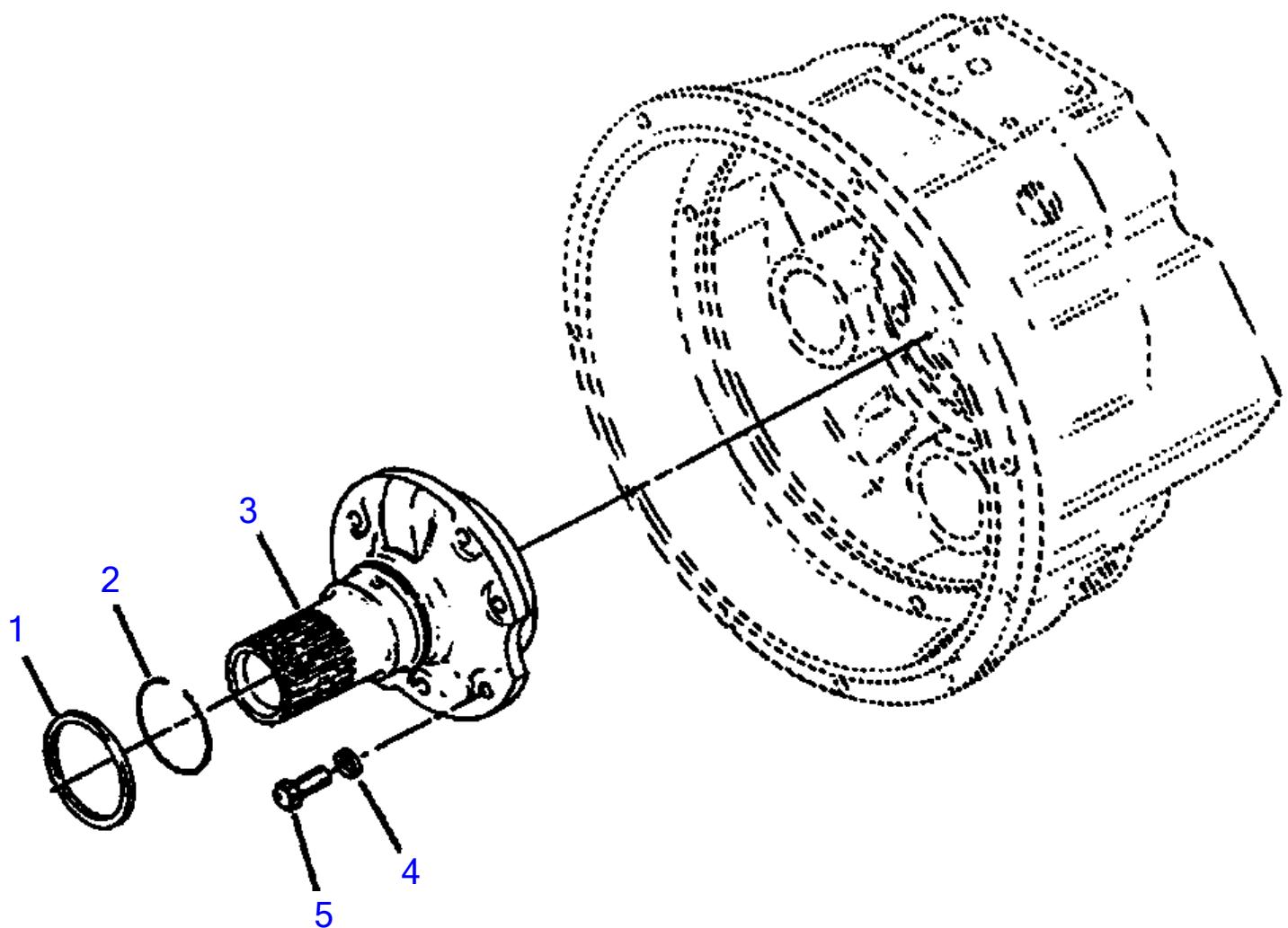
Item No.	Part Number	Part Name	Qty.
1	R005382-045	REGULATOR VALVE ASSY	1
2	R004012-009	PISTON	1
3	R004012-008	VALVE SPRING - Inner Included in 005382-045 Regulator Valve Ass'y	1
4	R004012-007	VALVE SPRING - Outer Included in 005382-045 Regulator Valve Ass'y	1
5	R004012-003	VALVE STOP Included in 005382-045 Regulator Valve Ass'y	1
6	R005382-043	O-RING - TRANS(CHG PUMP) Included in 005382-045 Regulator Valve Ass'y	1
7	R004012-005	ROLL PIN Included in 005382-045 Regulator Valve Ass'y	1
8	R004012-014	SAFETY VALVE SET Included in 005382-045 Regulator Valve Ass'y	1
9	R004012-012	SPRING	1
10	R004012-013	PLUNGER	1
11	R004012-010	GASKET	1
12	R005382-044	O-RING	1
13	R003372-031	CAPSCREW	4
14	R100867	LOCKWASHER	4
15	R016722-001	PIPE PLUG	2
16	R004012-003	VALVE STOP Included in 005382-045 Regulator Valve Ass'y	1
17	R005382-043	O-RING - TRANS(CHG PUMP) Included in 005382-045 Regulator Valve Ass'y	1
18	R004012-005	ROLL PIN Included in 005382-045 Regulator Valve Ass'y	1

CONVERTER HOUSING GROUP

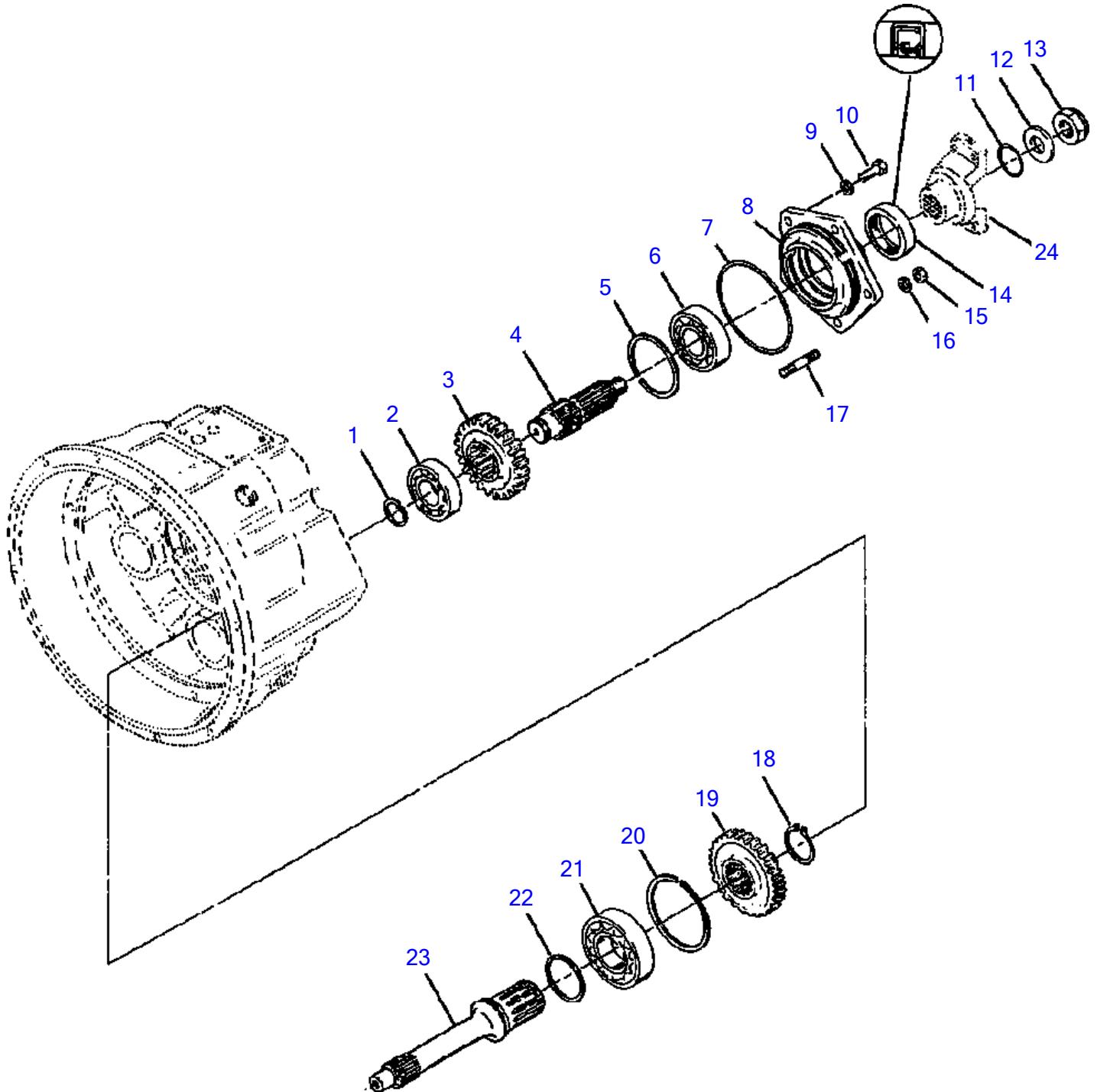
Item No.	Part Number	Part Name	Qty.
1	R005532-005	CONVERTER HOUSING	1
2	R004502-019	PIPE PLUG	4
3	R004012-023	PIPE PLUG	1
4	R016722-001	PIPE PLUG	1
5	R004012-018	BAFFLE KIT - INCL #6	1
6	RJ237348	OIL SEAL	1
		Included in Baffle Kit # 004012-018.	
7	R004012-019	O-RING	1
8	R018665-001	CAPSCREW	3
9	R100867	LOCKWASHER	3

WHEEL GROUP

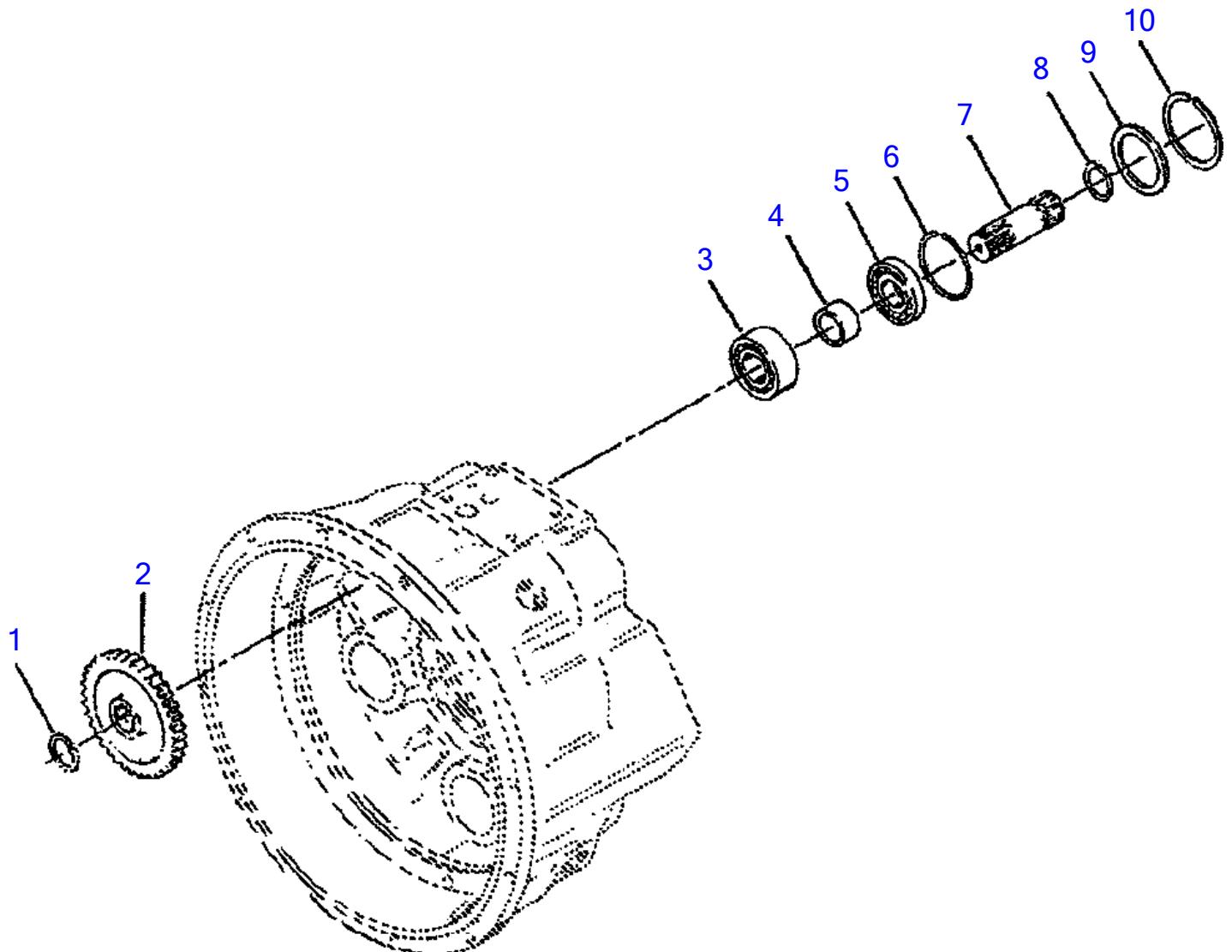
Item No.	Part Number	Part Name	Qty.
1	R004502-136	BEARING	1
2	RJ234973	O-RING	1
3	R010929-035	IMPELLER	1
4	RJ237376	SPACER	1
5	RJ239774	REACTION MEMBER - 15 BLADES	1
6	RJ247476	SNAP RING	1
7	RJ247493	SNAP RING	1
10	R035099-100	BACKING RING	1
11	R035099-101	SCREW	8
12	R010929-037	TURBINE HUB	1
13	RJ239775	TURBINE	1
14	R010766-001	SCREW RING	1
15	R005532-003	BOLT	12
16	RJ234216	SNAP RING	1
17	R010929-038	BEARING	1
18	RJ235591	WASHER	1
19	R005211-032	SEAL	1
20	RJ239576	COVER - IMPELLER	1
21	R035099-102	CAPSCREW	18
22	R004502-022	LOCKWASHER	18
23	RJ247493	SNAP RING	1
24	R141552-016	O-RING	1
25	R141552-015	END PLATE	1
26	R141552-017	RETAINING RING	1

STATOR SUPPORT GROUP

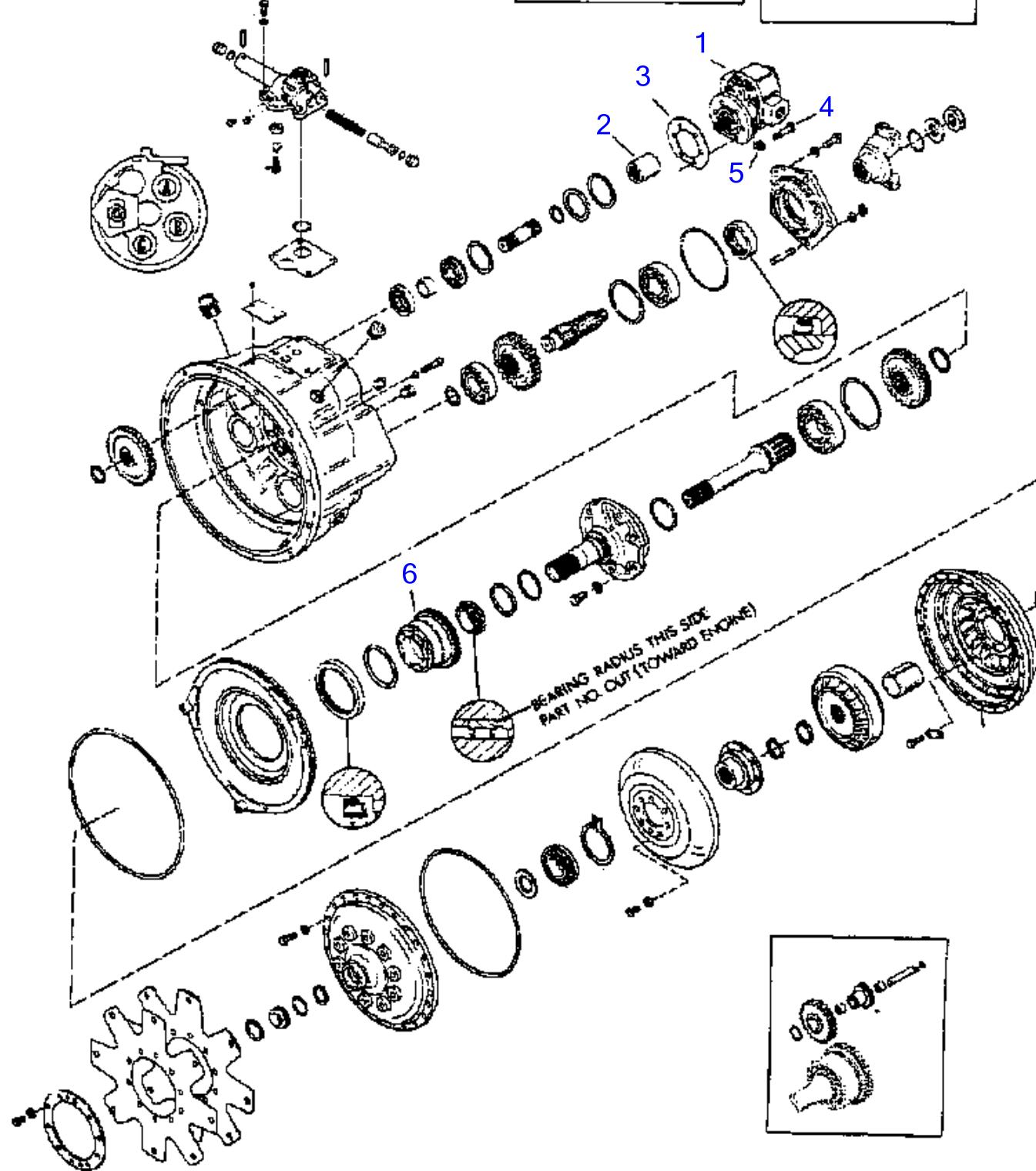
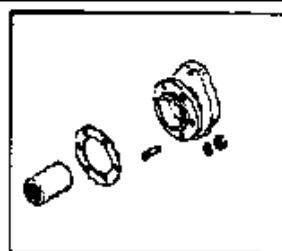
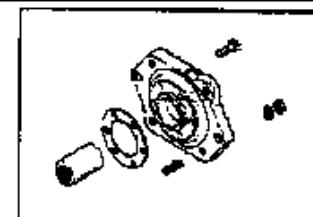
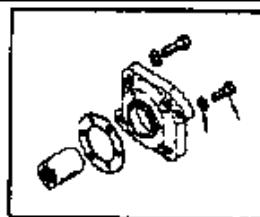
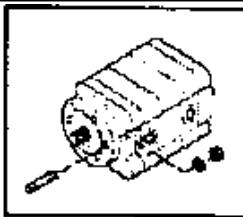
Item No.	Part Number	Part Name	Qty.
1	RJ237377	PISTON RING	1
2	RJ237378	SPRING	1
3	RJ237373	SUPPORT STATOR	1
4	R027139-100	LOCKWASHER	6
5	R024709-006	CAPSCREW	6

OUTPUT & TURBINE SHAFT GROUP

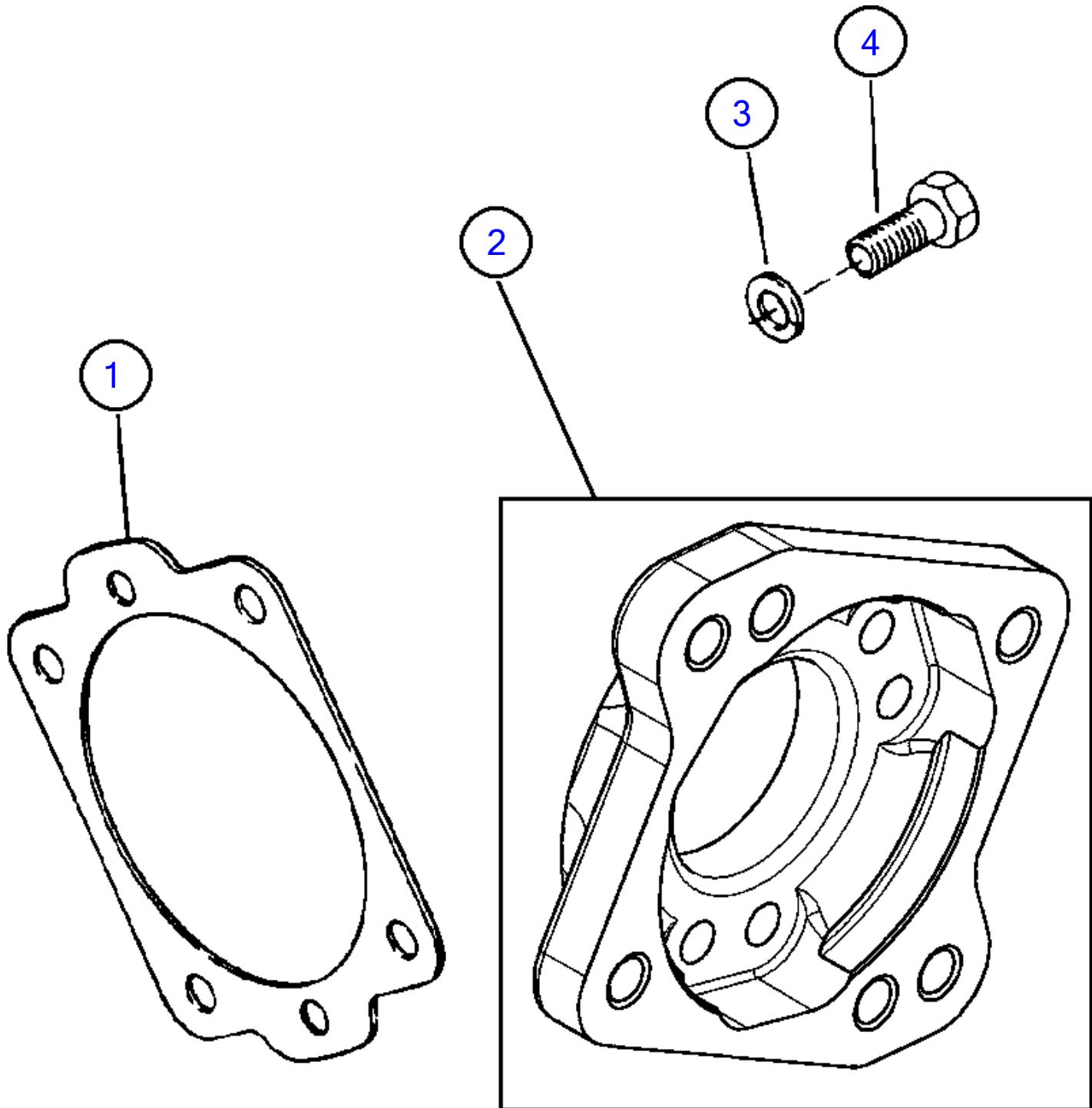
Item No.	Part Number	Part Name	Qty.
1	R004012-061	SNAP RING	1
2	R001801-019	BEARING	1
3	R010183-001	GEAR	1
4	R004012-063	OUTPUT SHAFT	1
5	R004502-095	SNAP RING	1
6	R141552-092	BEARING	1
7	R004012-065	O-RING	1
8	R004012-066	RETAINER	1
9	R004502-026	LOCKWASHER	3
10	R004012-067	BOLT	3
11	R004012-068	O-RING	1
12	R004502-005	WASHER	1
13	R004502-004	NUT	1
14	R004012-069	OIL SEAL	1
15	R004012-070	NUT	2
16	R004502-026	LOCKWASHER	2
17	R004012-071	STUD	2
18	RJ224026	SNAP RING	1
19	R007890-009	TURBINE SHAFT GEAR	1
20	R004012-075	SNAP RING	1
21	R141552-020	BALL BEARING	1
22	R005382-027	PISTON RING	1
23	R011523-001	TURBINE SHAFT	1
24	RJ231553	COMPANION FLANGE - 5C	1

PUMP DRIVE GROUP

Item No.	Part Number	Part Name	Qty.
1	R004012-086	SNAP RING	1
2	R004012-087	GEAR	1
3	R002383-001	BEARING	1
4	R004012-088	SPACER	1
5	R004012-089	BEARING	1
6	R004012-090	SNAP RING	1
7	R004012-091	DRIVE SHAFT	1
8	R004012-092	SNAP RING	1
9	R004012-093	WASHER	1
10	R004502-097	SNAP RING	1

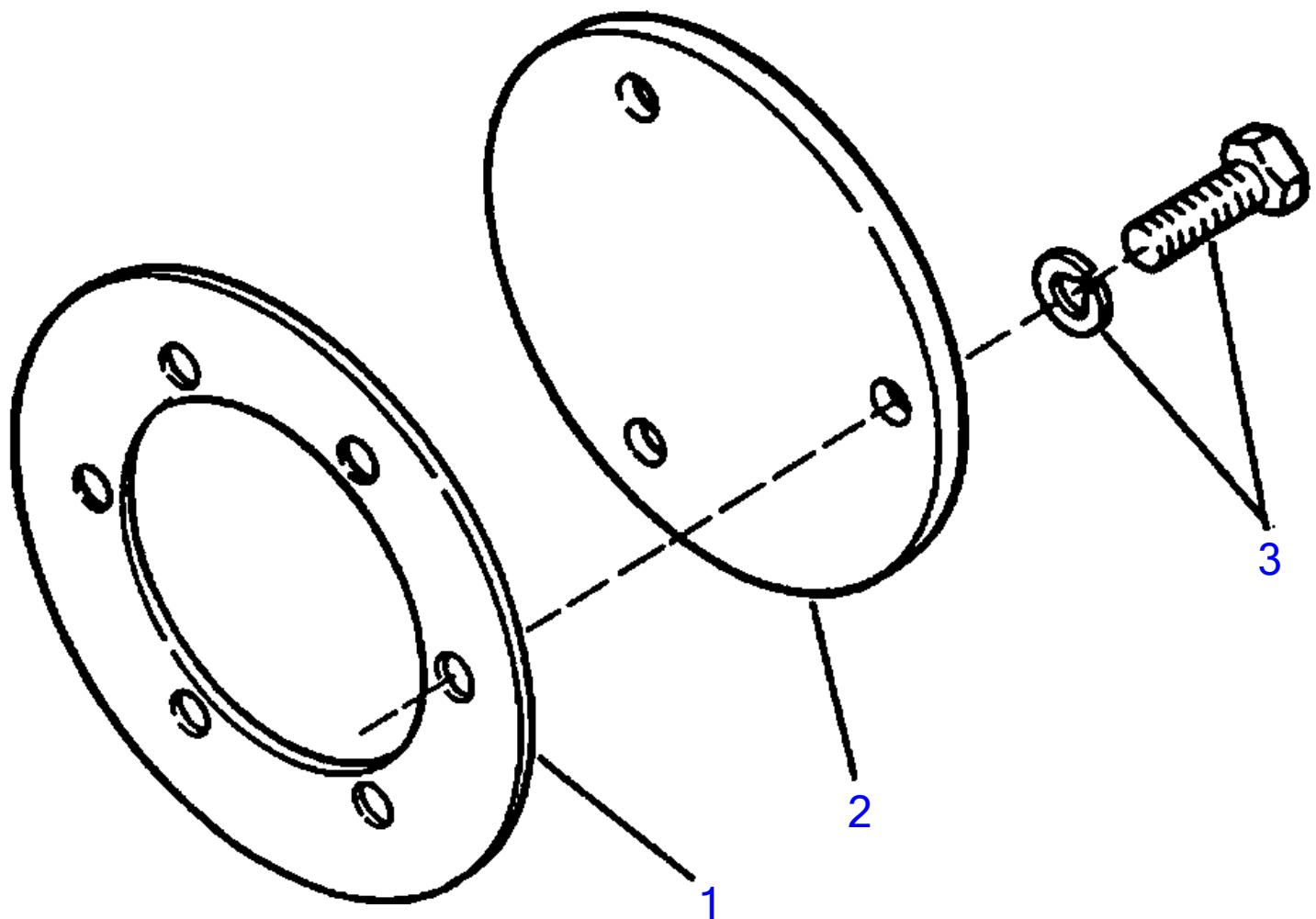
CHARGING PUMP GROUP

Item No.	Part Number	Part Name	Qty.
1	R005500-010	CHARGING PUMP	1
2	R391016-215	SLEEVE	1
3	R004012-081	GASKET - ADAPTOR PLATE	1
4	R004012-083	STUD	6
5	R100867	LOCKWASHER	6
6	R027014-101	NUT	6
7	R018083-001	IMPELLER HUB GEAR - 37T	1

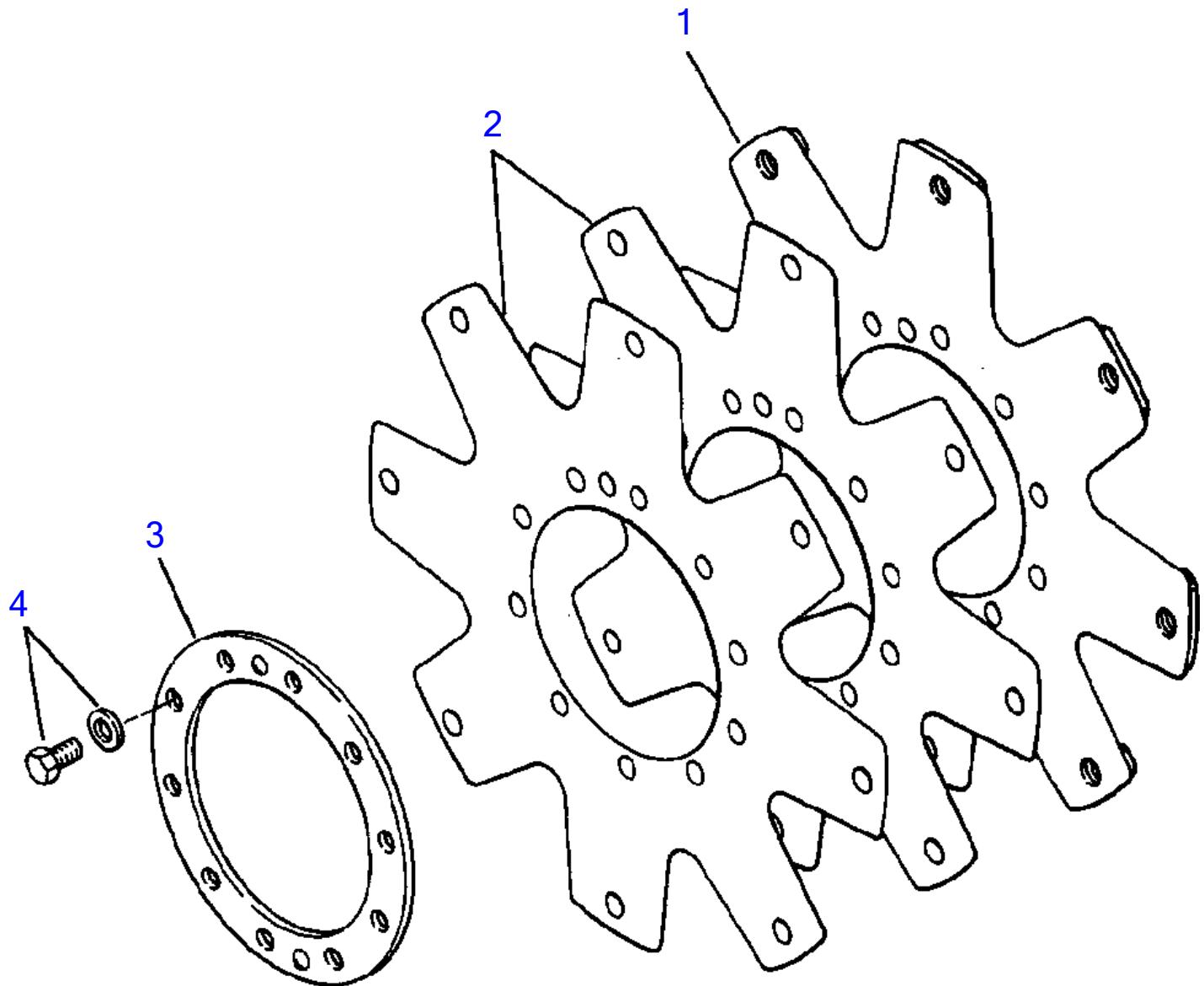
PUMP ADAPTOR GROUP

Item No.	Part Number	Part Name	Qty.
1	R004012-081	GASKET - ADAPTOR PLATE	1
2	R005500-008	ADAPTER	1
3	R005500-009	LOCKWASHER	3
4	R003372-031	CAPSCREW	3

PUMP COVER GROUP

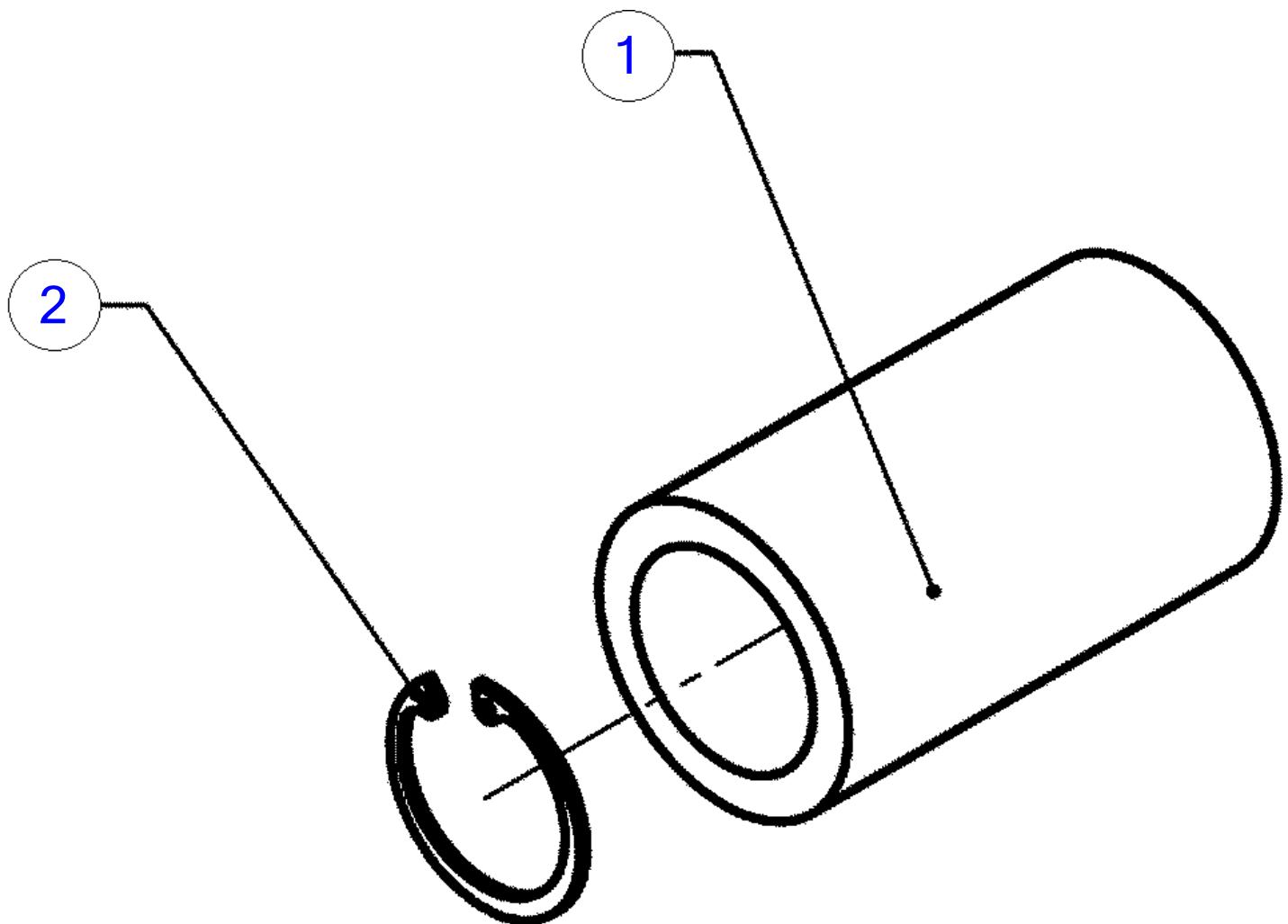


Item No.	Part Number	Part Name	Qty.
1	R004012-097	GASKET	1
2	R004012-098	COVER	1
3	R003372-031	CAPSCREW	3
3-A	R100867	LOCKWASHER	3

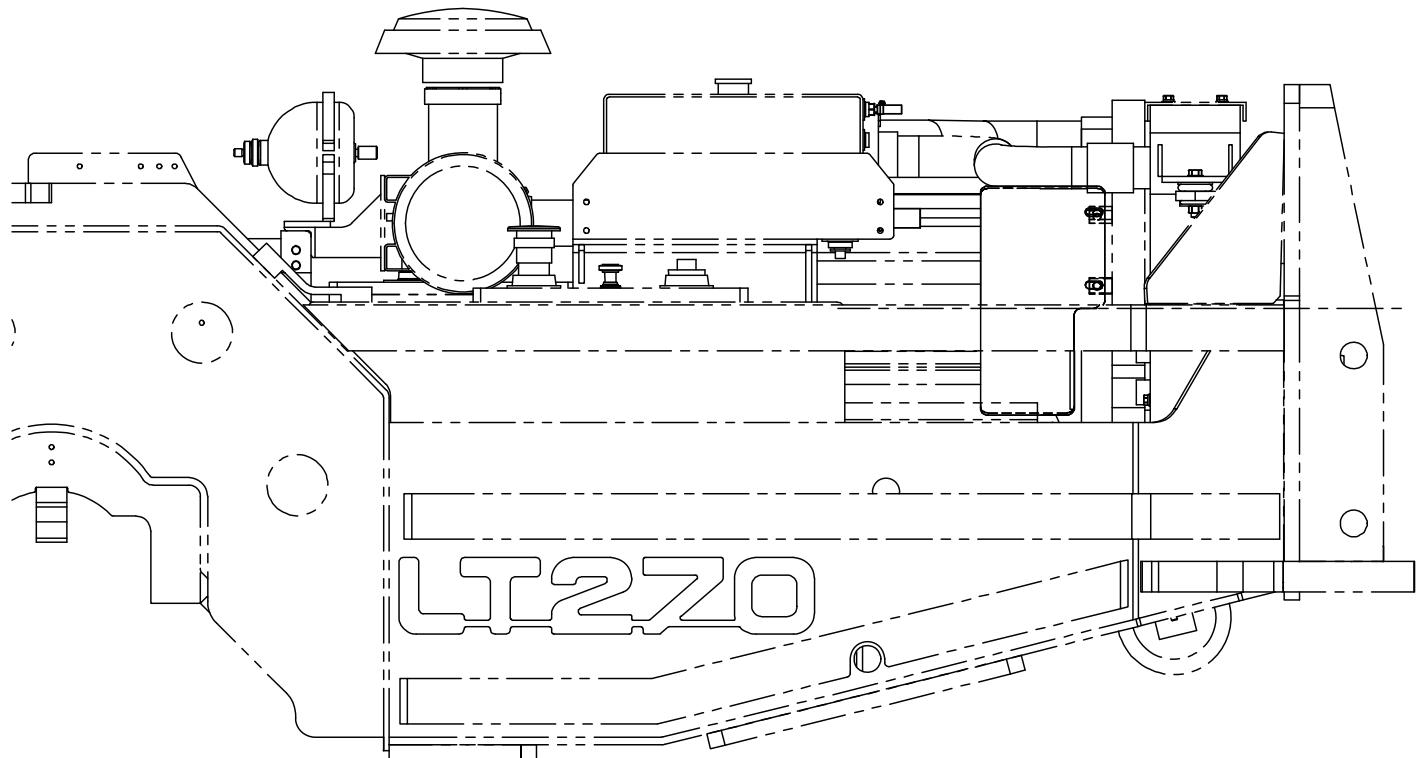
DRIVE PLATE KIT

Item No.	Part Number	Part Name	Qty.
1	R802232	DRIVEPLATE ASSEMBLY INCLUDES ITEMS #2-4A	1
2		DRIVE PLATE Not Sold Separately	3
3	R004012-029	BACKING RING	1
4	R004012-030	BOLT	10
4-A	R100867	LOCKWASHER	10

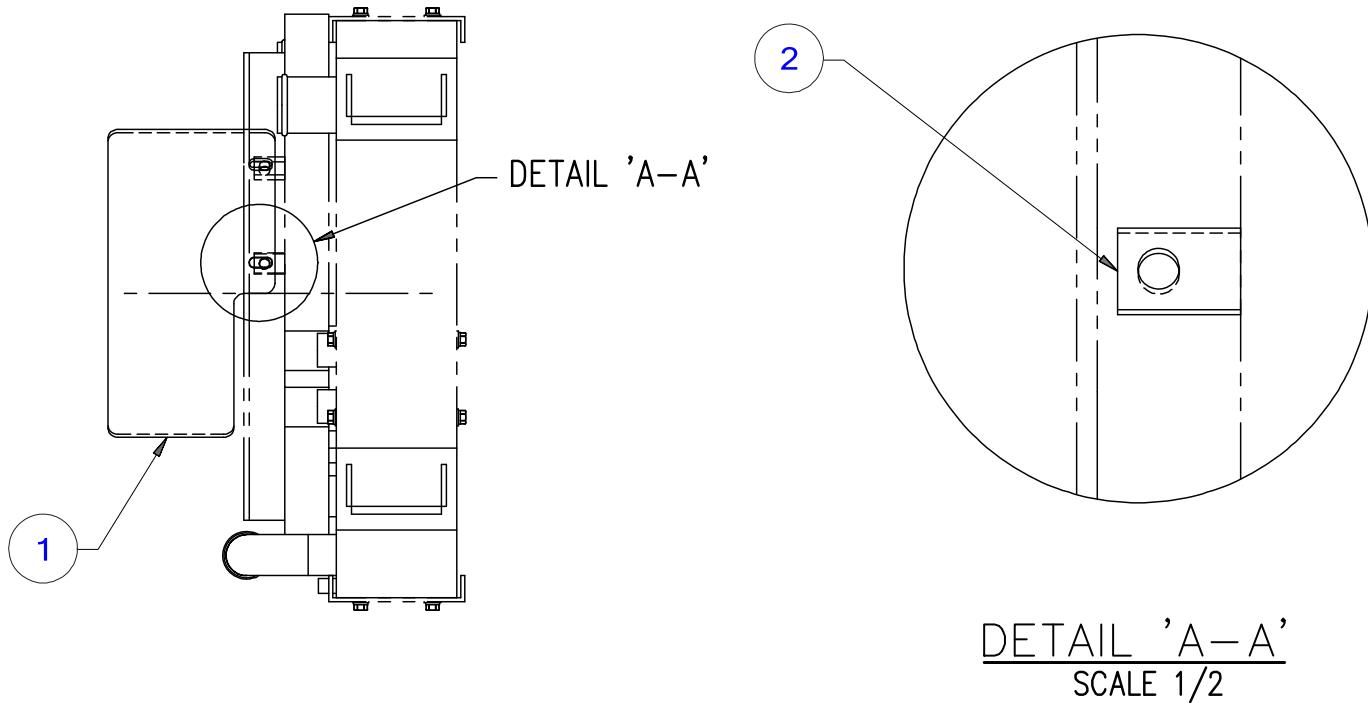
ASSY, PUMP DRIVE SLEEVE



Item No.	Part Number	Part Name	Qty.
1	R391016-13	CHARGING PUMP SLEEVE	1
2	RJ659041	SNAP RING	1

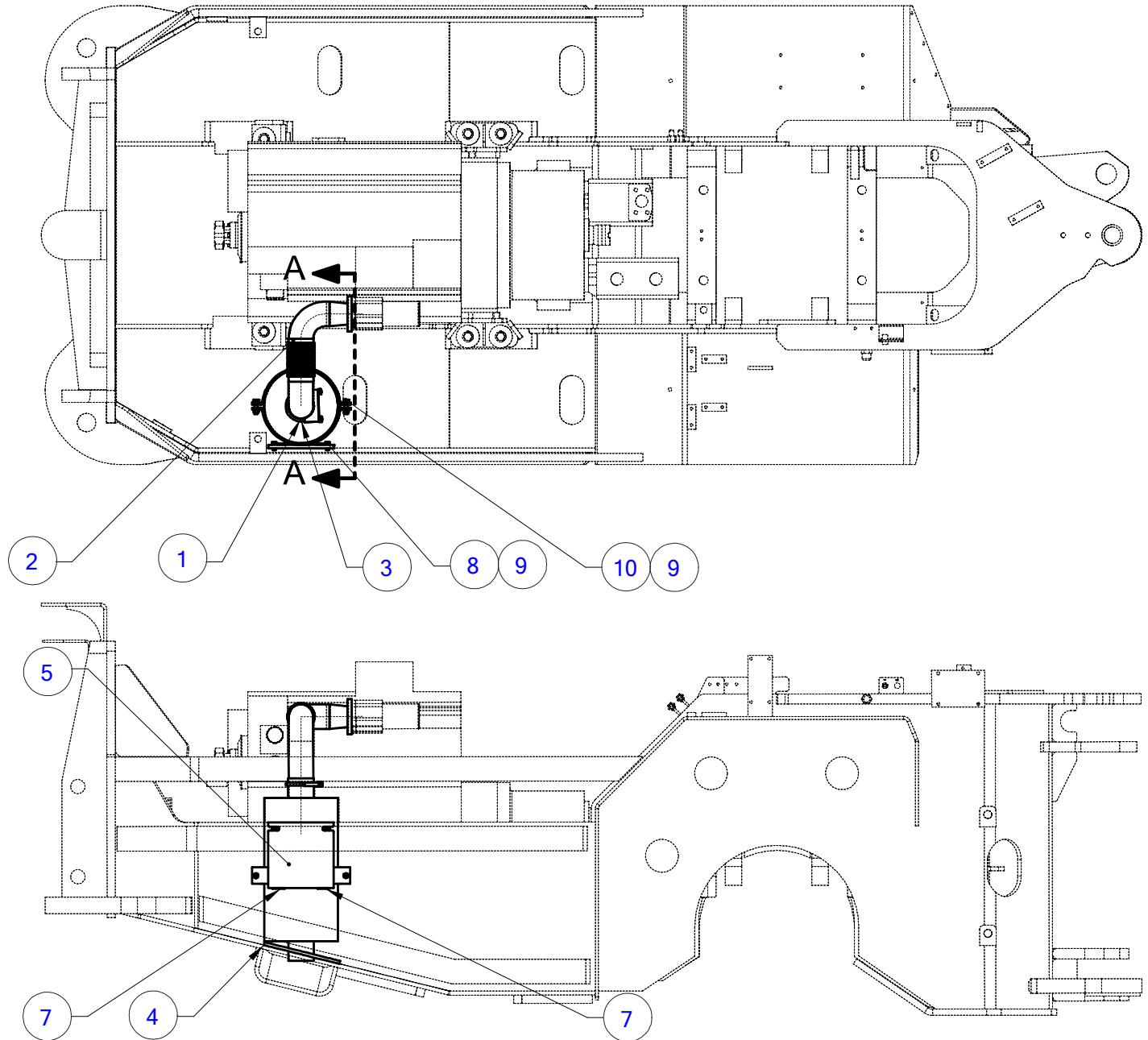
INSTLN FINGER GUARD

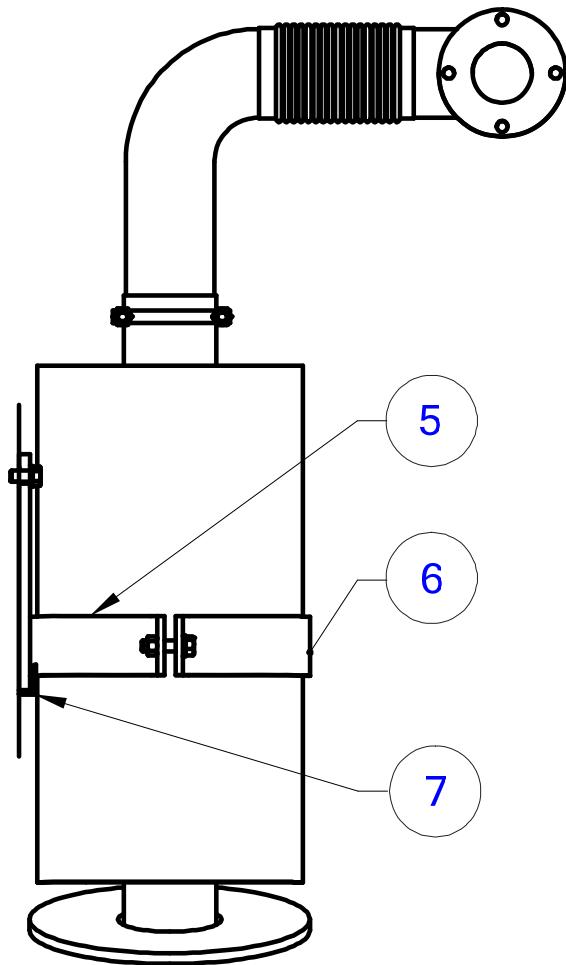
SIDE VIEW
SCALE 1/8



DETAIL 'A-A'
SCALE 1/2

Item No.	Part Number	Part Name	Qty.
1	R011356-001	FINGER GUARD	1
2	R012520-001	MOUNT TAB	2
3	R102629	HHCS - 0.375-16NCx0.625,G8,FT,CZ	2

INSTL'N, EXHAUST SYSTEM, 2012, LT-270

INSL'N, EXHAUST SYSTEM, 2012, LT-270

SECTION A-A
SCALE 1 / 8

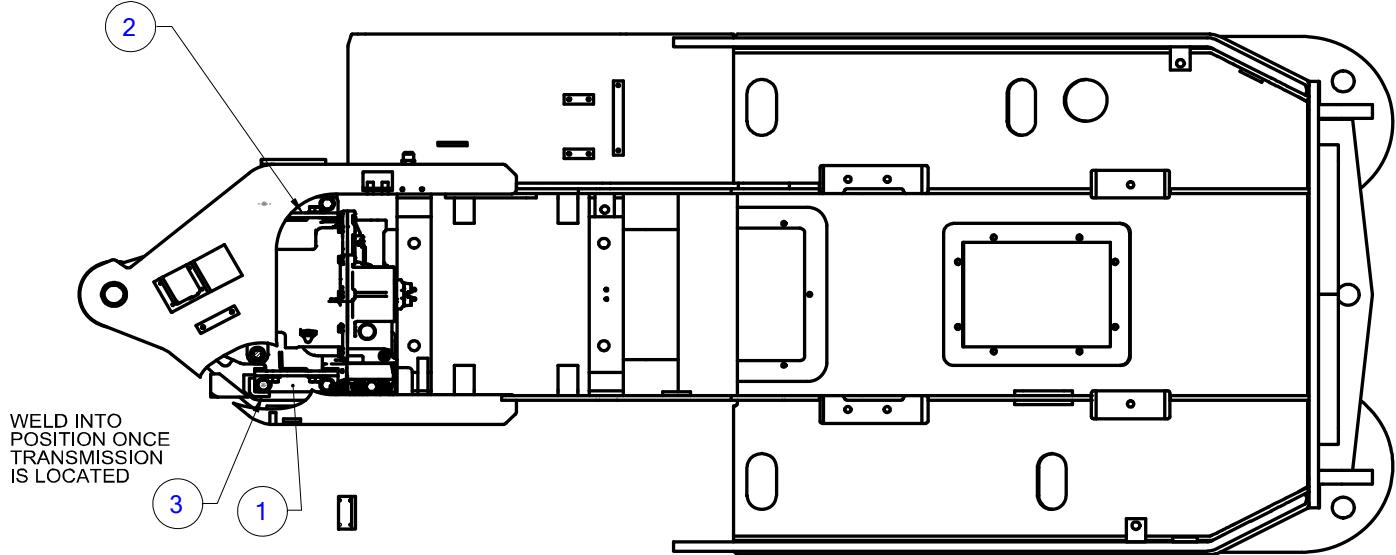
NOTE:

1. BOLT ITEM 5 TO FRAME THEN
WELD ON BOTH ITEM 7 TO FRAME
WITH DISTANCES SHOWN BELOW

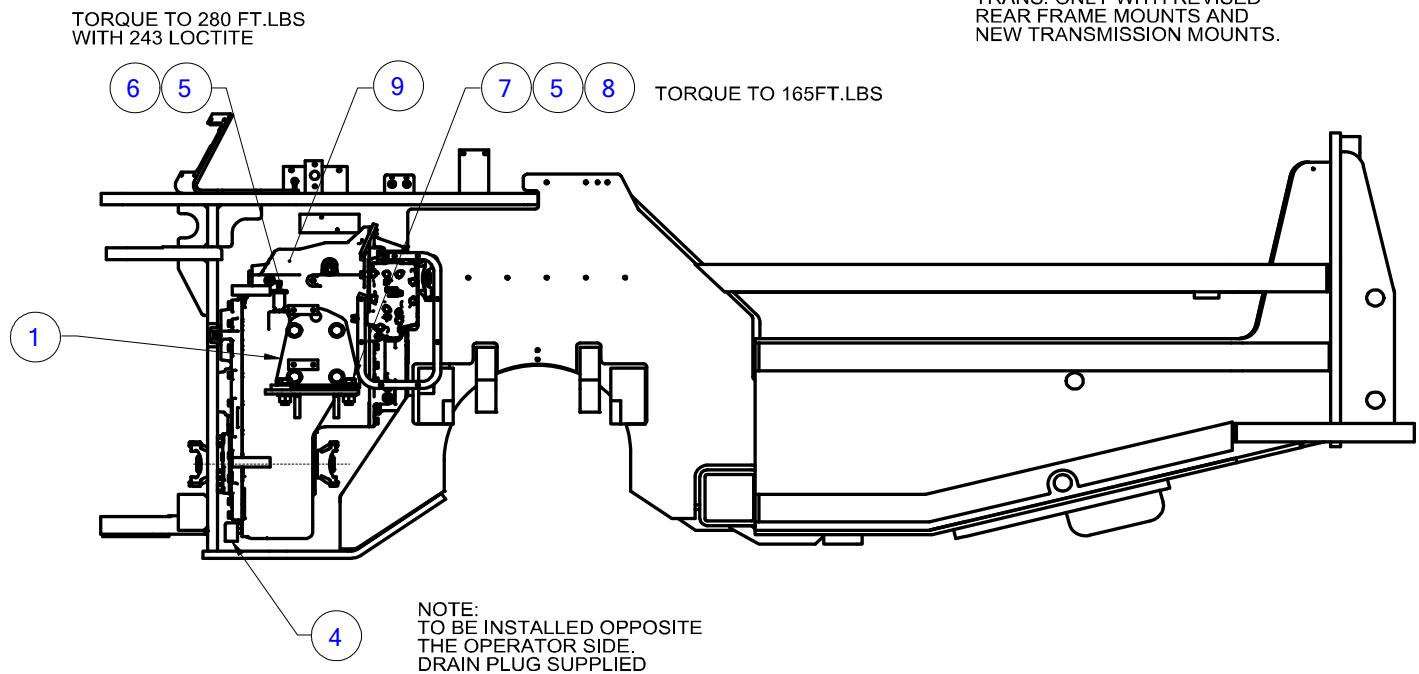
Item No.	Part Number	Part Name	Qty.
1	R010977-001	PURIMUFFLER	1
2	R025987-001	MANIFOLD EXHAUST PIPE	1
3	R140409	GUILLOTINE CLAMP - 3"	1
4	R025989-001	EXHAUST FLANGE	1
5	R025990-001	PURIMUFFLER MOUNT	1
6	R025991-001	MUFFLER CLAMP	1
7	R013386-001	ANGLE SUPPORT TABS	2
8	R100665	HHCS - 0.375-16NCx0.75,G8,FT,CZ	2
9	R800629	WASHER, LOCK - R,0.375,0.063T,300HV,L9,CZ	6
10	R115935	HHCS - 0.375-16NC x 1.5 GR8	2

INSTLN, TRANS, HYDR. LT-270

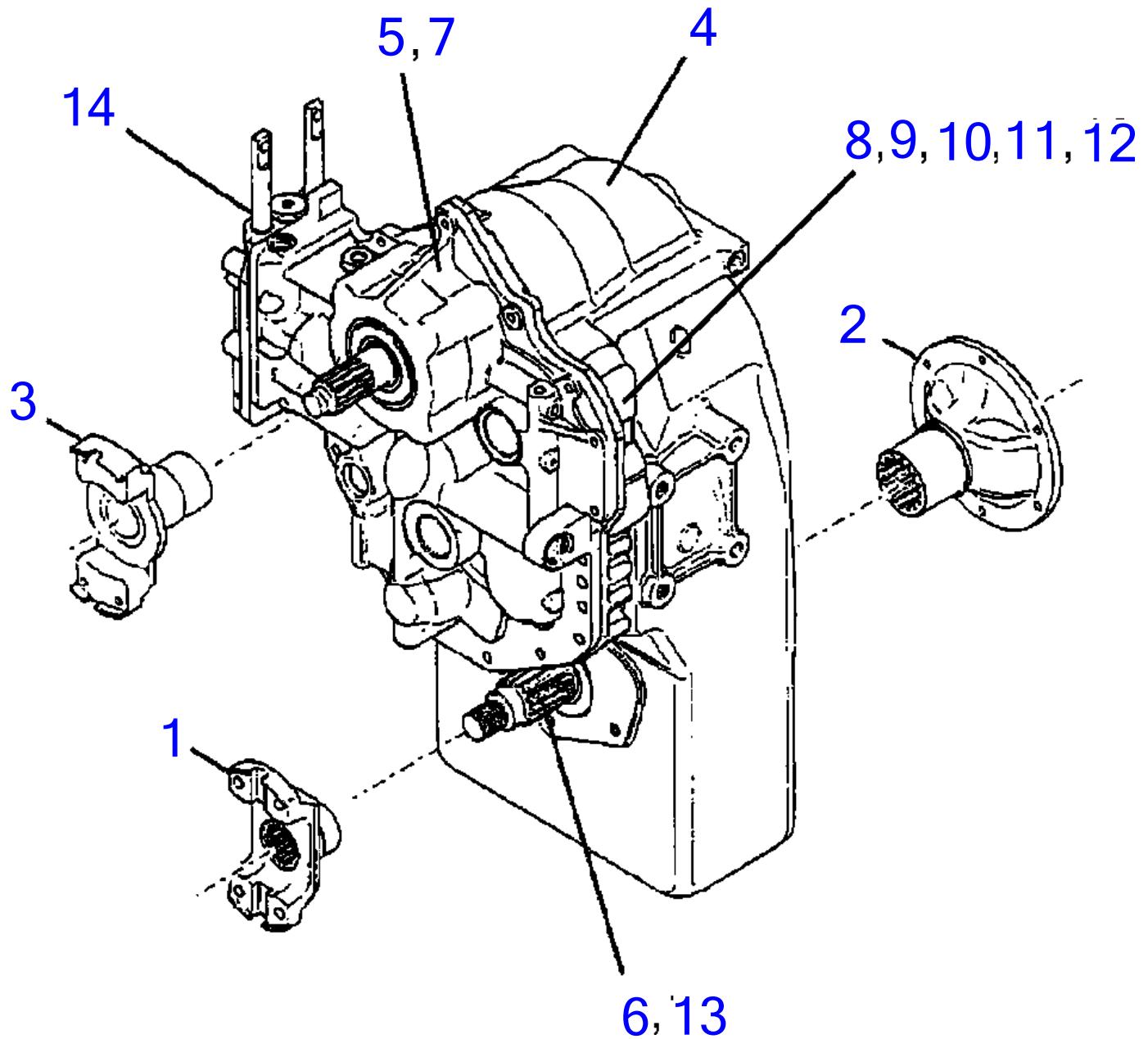
SOME PARTS OF FRAME REMOVED FOR CLARITY

**NOTE**

TO BE USED FOR HYDR. SHIFT TRANS. ONLY WITH REVISED REAR FRAME MOUNTS AND NEW TRANSMISSION MOUNTS.

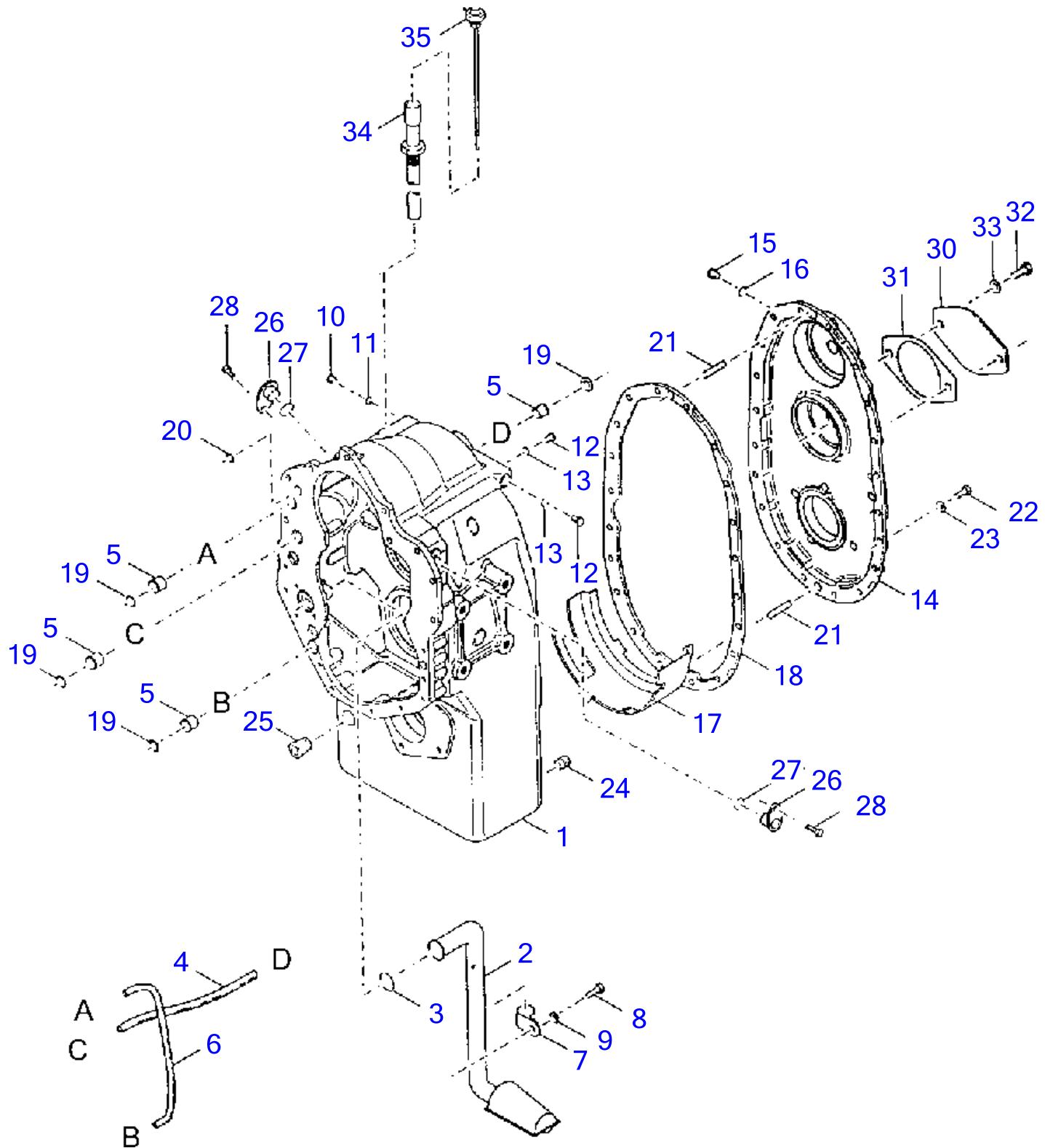


Item No.	Part Number	Part Name	Qty.
1	R037352-001	TRANS MOUNT - LH	1
2	R037353-001	TRANS. MOUNT - RH	1
3	R802436	TRANS. STOP PLATE	2
4	R100637	ELBOW - 90,#12NPT,M,#12NPT,F	1
5	R103592	WASHER, FLAT - N,0.75,0.14T,300HV,L9,CZ	17
6	R103763	HHCS - 0.75-10NCx1.75,G8,FT,CZ	8
7	R105994	HHCS - 0.75-10NC X 2.250 GR8	4
8	R100661	STOVER LOCKNUT - 0.750-10NC	4
9	R001444-001	TRANSMISSION - 3 SPEED MODULATED	1

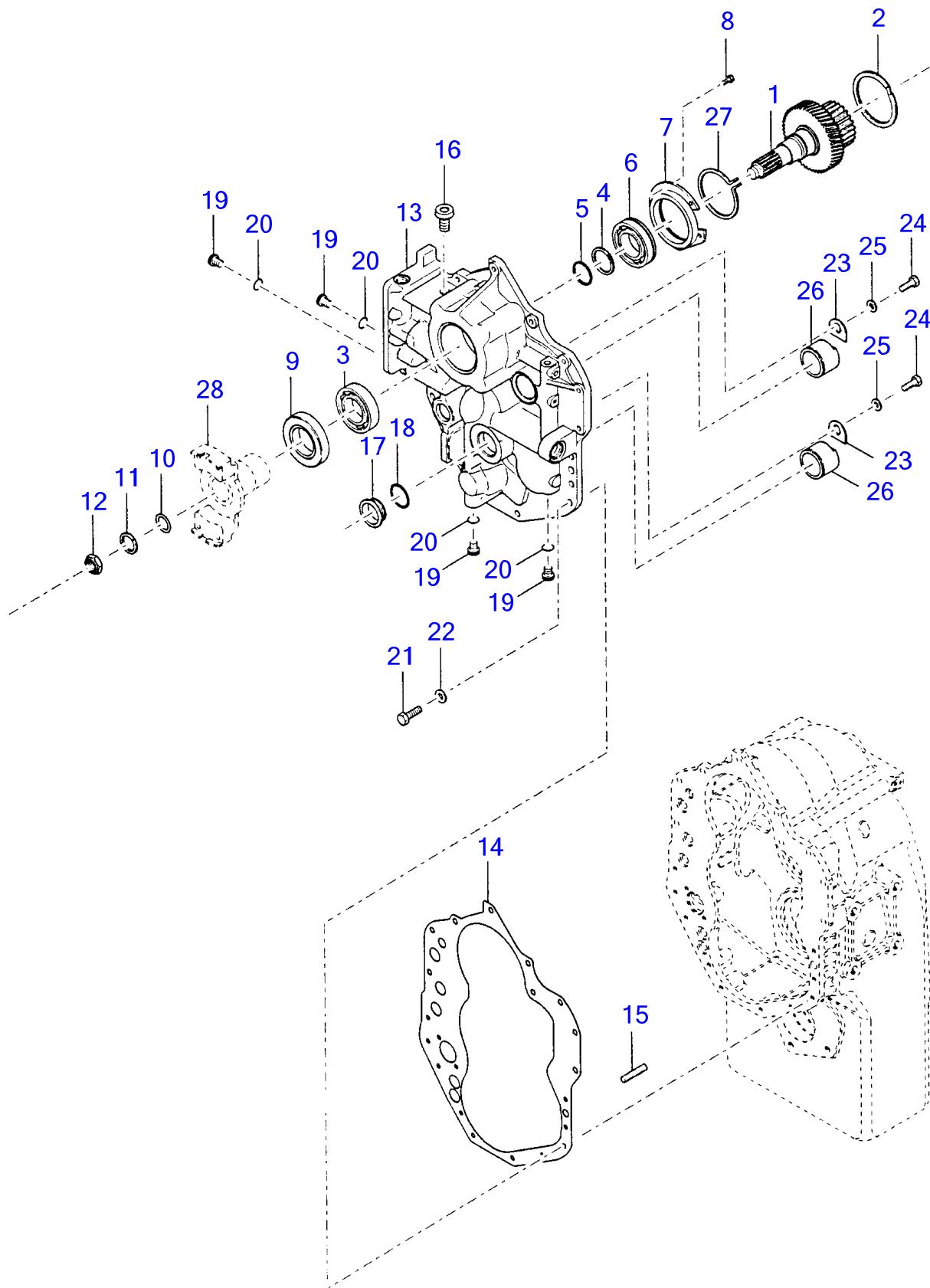
TRANSMISSION - 3 SPEED MODULATED

Item No.	Part Number	Part Name	Qty.
1	R002912-001	FRONT FLANGE	1
2	RC230890	REAR FLANGE	1
3	RJ214987	COMPANION FLANGE	1
4		TRANSMISSION CASE & COVER GROUP	1
5		INPUT SHAFT & FRONT COVER GROUP	1
6		GEAR GROUP	1
7		FORWARD SHAFT GROUP	1
8		REVERSE IDLER GROUP	1
9		REVERSE & 2nd SHAFT GROUP	1
10		LOW SPEED SHAFT GROUP	1
11		3rd SHAFT GROUP @ After 2004	1
12		IDLER SHAFT GROUP	1
13		OUTPUT SHAFT GROUP	1
14		CONTROL VALVE GROUP	1

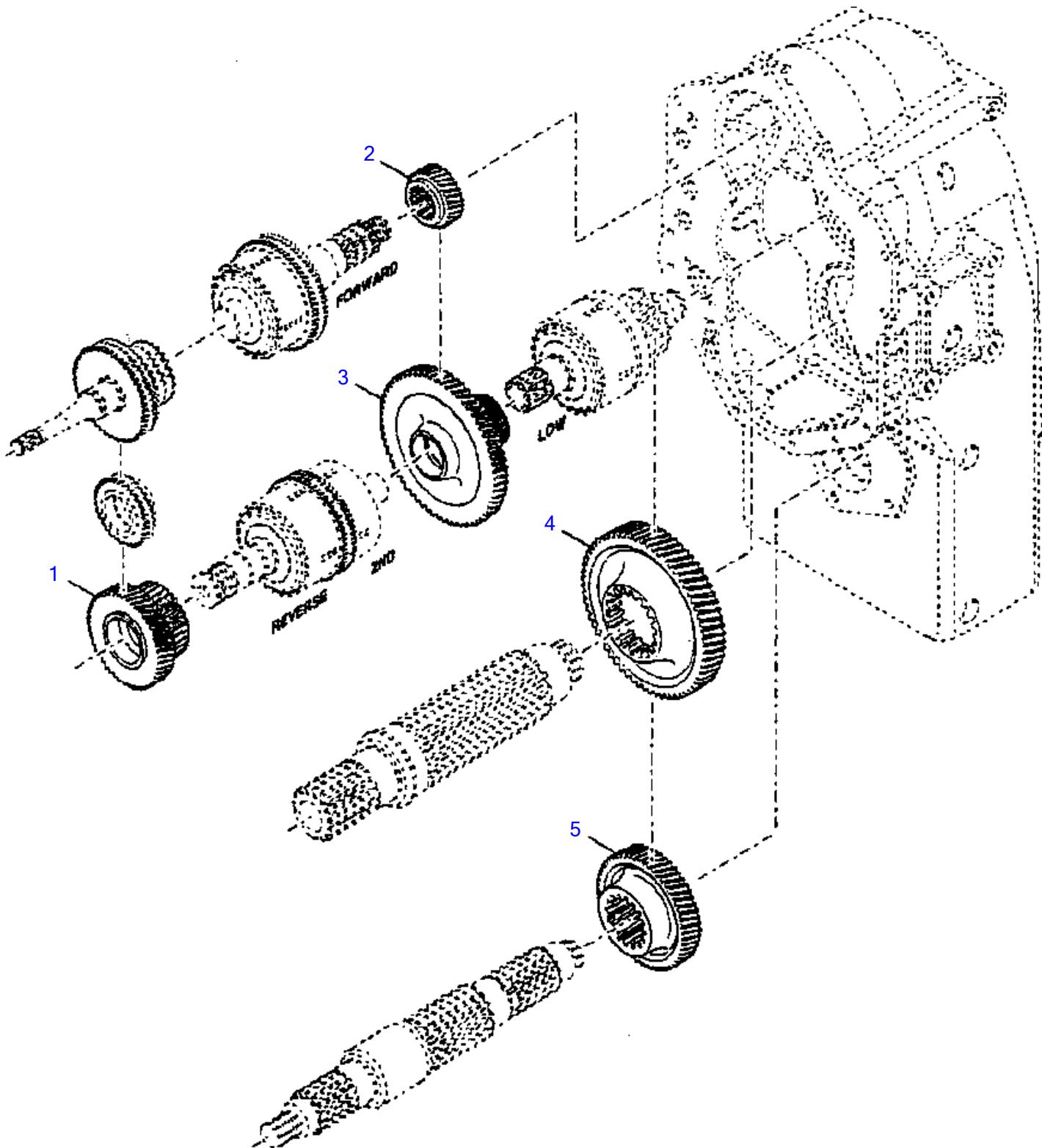
TRANSMISSION CASE & COVER GROUP



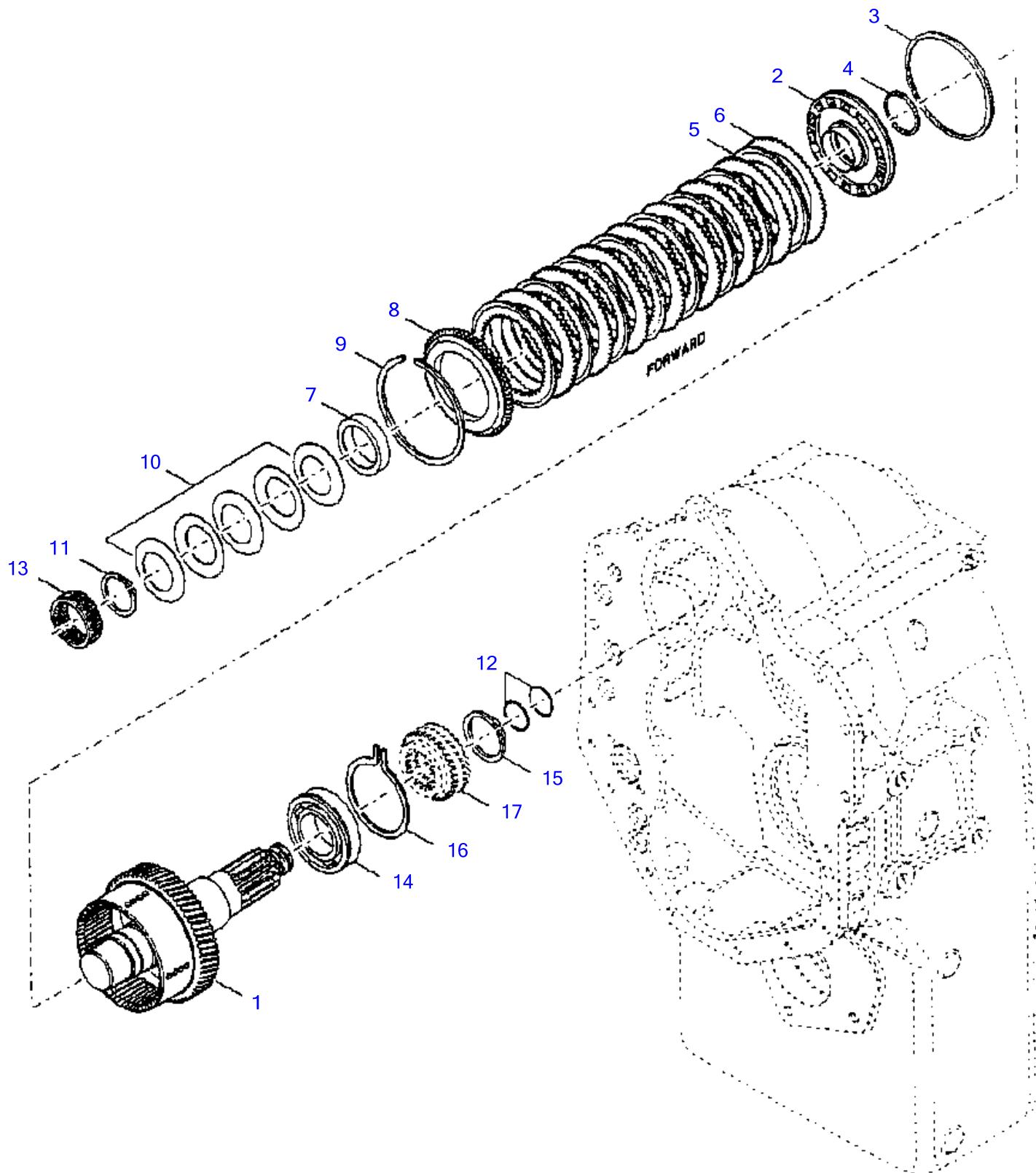
Item No.	Part Number	Part Name	Qty.
1	R141552-053	TRANSMISSION CASE ASSEMBLY	1
2	R141552-054	SUCTION TUBE ASSEMBLY	1
		Items included in item 1	
3	R141552-055	O-RING	1
		Items included in item 1	
4	R141552-056	PRESSURE TUBE	1
		Items included in item 1	
5	R004502-033	TUBE SLEEVE	4
		Items included in 141552-053.	
6	R141552-057	TUBE	1
		Items included in item 1	
7	R141552-058	CLIP	1
		Items included in item 1	
8	R141552-059	BOLT	1
		Items included in item 1	
9	R004502-026	LOCKWASHER	1
		Items included in item 1	
10	R141552-032	PLUG	1
11	R004479-001	O-RING	1
		Items included in item 10	
12	R007076-001	PLUG	1
13	R003372-023	O-RING	1
		Items included in 141552-060.	
14	R141552-061	REAR COVER & PLUG ASSEMBLY	1
15	R141552-032	PLUG	1
		Items included in item 14	
16	R004479-001	O-RING	1
		Items included in item 15	
17	R141552-062	OIL-BAFFLE	1
18	R005095-001	GASKET	1
19	R002530-001	O-RING	1
20	R005382-043	O-RING - TRANS(CHG PUMP)	1
21	R141552-031	PIN	2
22	R141552-063	BOLT	20
23	R004502-026	LOCKWASHER	20
24	R004502-048	MAGNETIC PLUG	2
25	R141552-064	PLUG	1
26	R141552-033	PLUG	2
27	R141552-034	O-RING	2
28	R141552-035	SCREW	2
30	R141552-065	COVER	1
31	RJ232640	GASKET - COVER	1
32	R004012-030	BOLT	2
33	R100867	LOCKWASHER	2
34	R203951-001	DIPSTICK TUBE	1
		Standard items. May be superseded by custom part nos. found in Transmission/Powertrain installation drawing.	
35	RJ242603	DIPSTICK	1
		Standard items. May be superseded by custom part nos. found in Transmission/Powertrain installation drawing.	

INPUT SHAFT & FRONT COVER GROUP

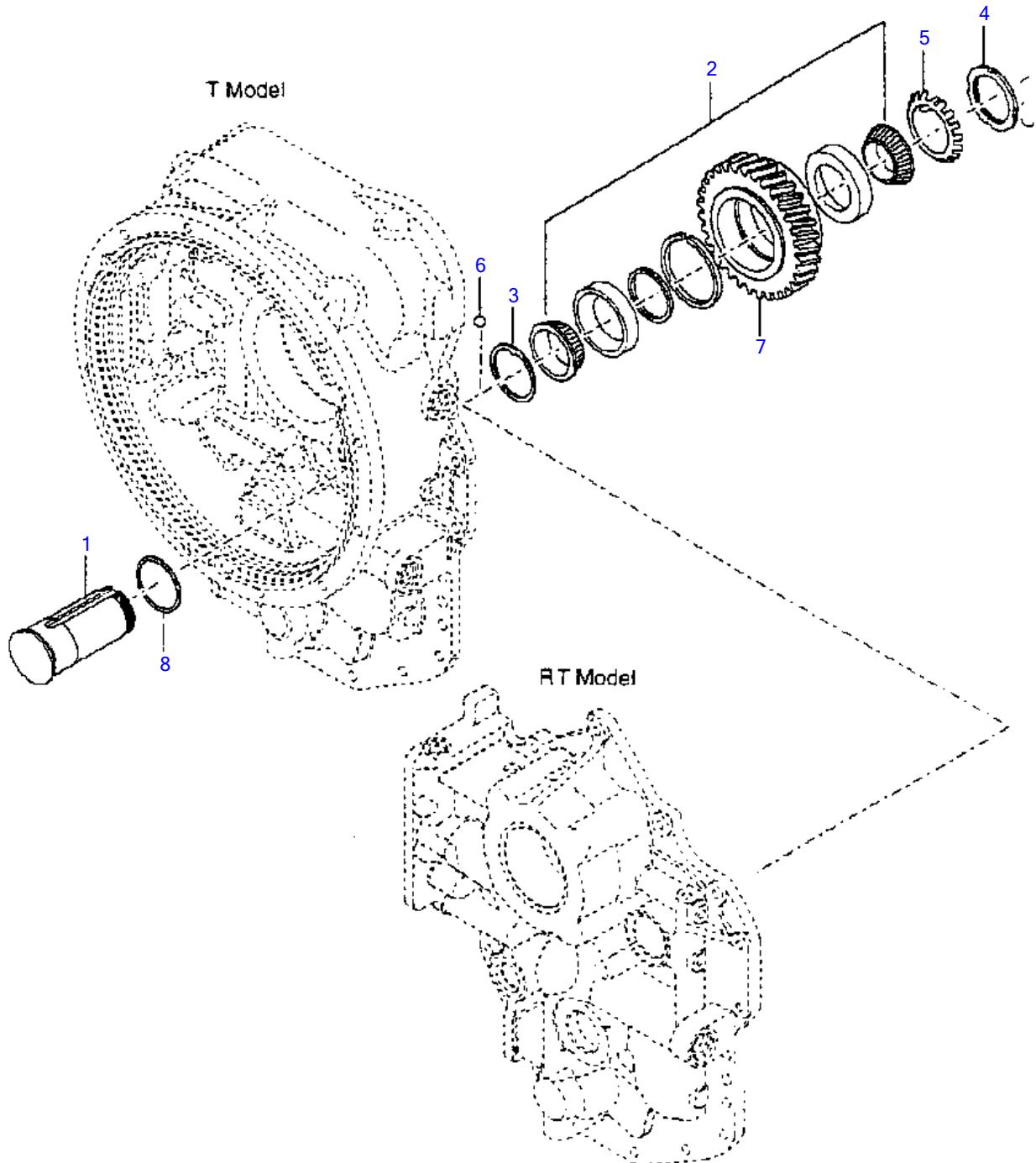
Item No.	Part Number	Part Name	Qty.
1	RC4205765	INPUT SHAFT,HUB & RETAINING RING ASS'Y	1
2	R141552-019	RETAINING RING	1
		Included in item 1	
3	R002414-001	BEARING	1
4	RC237384	WASHER	1
5	RC232081	SNAP RING	1
6	RC4206501	BEARING	1
7	RC4205675	PLATE	1
8	RC241308	SCREW	6
9	R004502-017	OIL SEAL	1
10	R004012-068	O-RING	1
11	R004502-005	WASHER	1
12	R004502-004	NUT	1
13	RC4205676	FRONT COVER	1
14	R005096-001	GASKET	1
15	R141552-031	PIN	1
16	R004502-027	TRANS. BREATHER - SEE FSL-1040	1
17	R004502-035	PLUG	1
18	R004502-036	GASKET	1
19	R141552-032	PLUG	4
20	R004479-001	O-RING	4
21	R003372-020	CAPSCREW	18
22	R004502-026	LOCKWASHER	18
23	R004502-029	WASHER	2
24	R004502-023	BOLT	2
25	R004502-022	LOCKWASHER	2
26	R141552-030	CONVERTER HOUSING SLEEVE	2
27	R141552-021	SNAP RING	1
28		INPUT FLANGE	REF.

GEAR GROUP

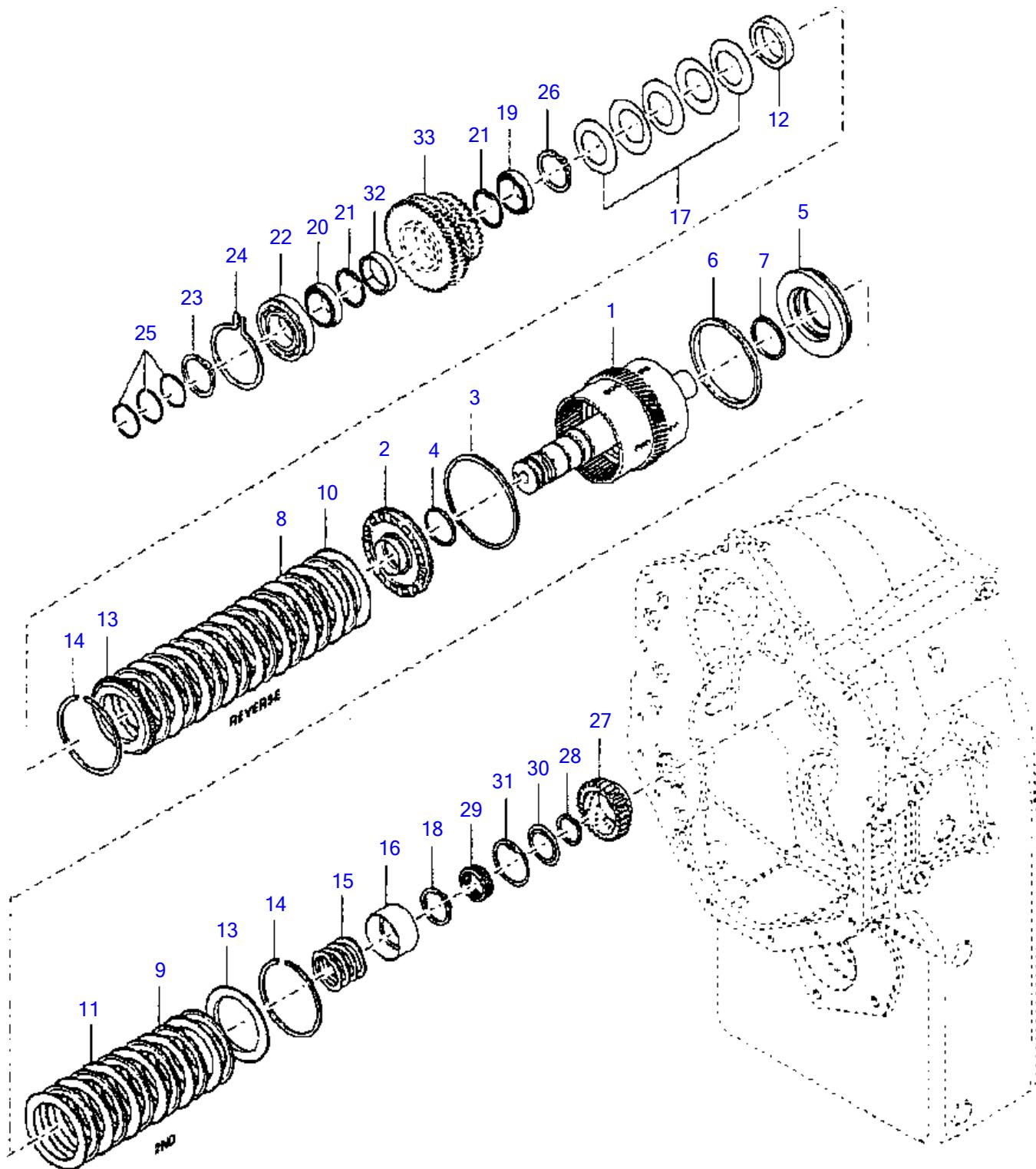
Item No.	Part Number	Part Name	Qty.
1	R141552-068	GEAR - Reverse Group	1
2	RC4205294	GEAR - 1st Drive	1
3	RC4205299	GEAR - Low Clutch	1
4	RC4205181	GEAR - Idler	1
5	RC4205317	GEAR - Output	1

FORWARD SHAFT GROUP

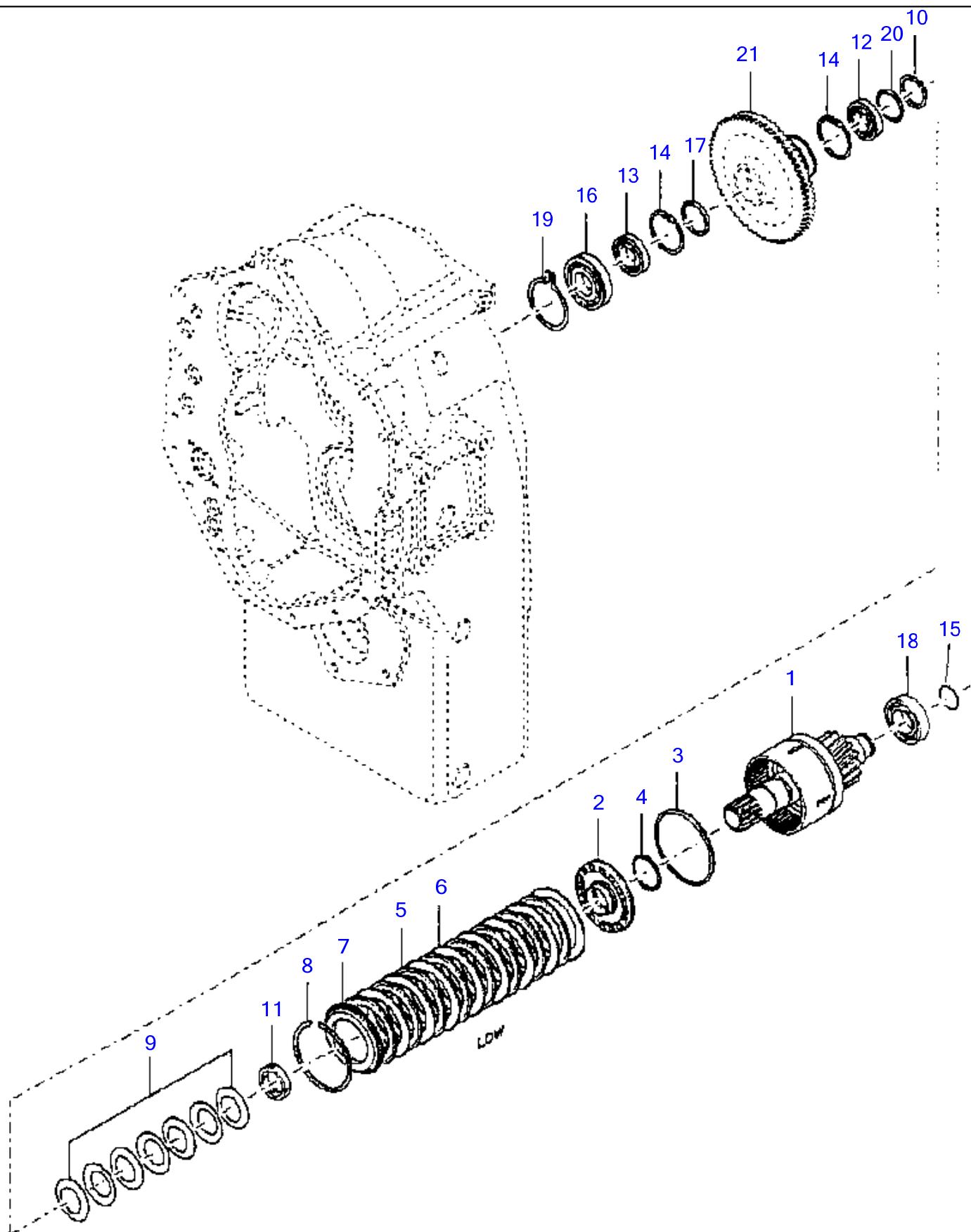
Item No.	Part Number	Part Name	Qty.
1	R141552-099	FORWARD SHAFT, DRUM & PLUG ASS'Y	1
2	RC4204049	CLUTCH, PISTON & SEALS ASS'Y	1
3	R141552-080	PISTON SEAL - Outer	1
		Included in item 2	
4	R141552-081	PISTON SEAL - Inner	1
		Included in item 2	
5	R141552-083	INNER DISC	8
6	R141552-084	OUTER DISC	8
7	R141552-085	SPACER	1
8	R002740-001	BACKING PLATE	1
9	R141552-086	SNAP RING	1
10	R002705-001	DISC SPRING ASS'Y c/w 5 washers	1
11	R141552-093	SNAP RING	1
12	R004502-069	PISTON RING	2
13	R141552-100	BEARING	1
14	R141552-101	BALL BEARING	1
15	R141552-102	RETAINING RING	1
16	R141552-103	RETAINING RING	1
17		SEE GEAR GROUP	REF.

REVERSE IDLER GROUP

Item No.	Part Number	Part Name	Qty.
1	R141552-123	SHAFT	1
2	RJ247664	REVERSE IDLER GEAR BEARING ASS'Y	1
3	R141552-125	WASHER	1
4	R141552-126	RETAINER NUT	1
5	R141552-127	RETAINING WASHER	1
6	R005332-001	LOCKBALL	1
7	R141552-128	GEAR - Reverse Idler	1
8	R141552-129	O-RING	1

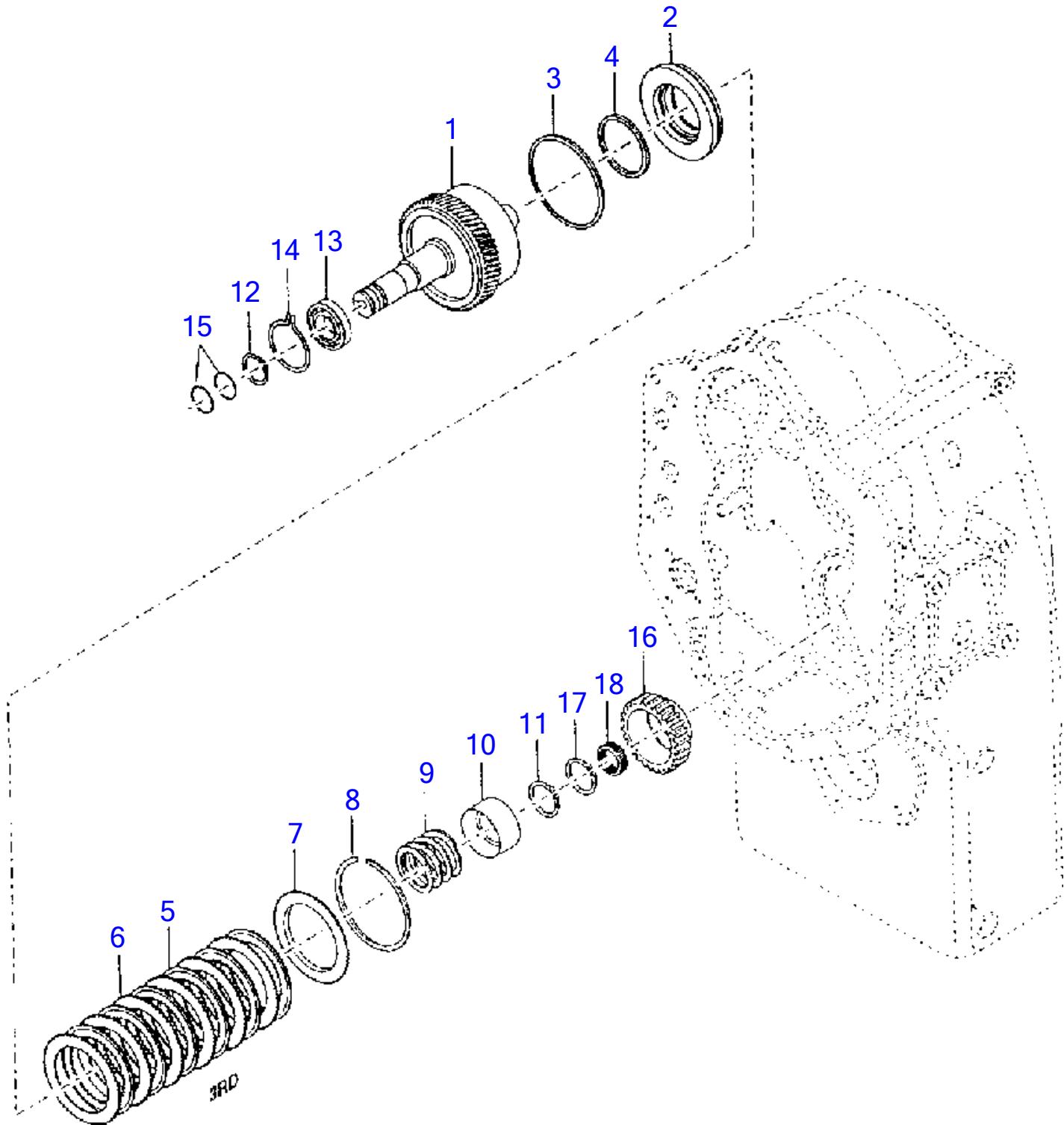
REVERSE & 2nd SHAFT GROUP

Item No.	Part Number	Part Name	Qty.
1	R141552-078	REVERSE & 2nd SHAFT ASSEMBLY	1
2	RC4204049	CLUTCH, PISTON & SEALS ASS'Y	1
3	R141552-080	PISTON SEAL - Outer	1
		Included in item 2	
4	R141552-081	PISTON SEAL - Inner	1
		Included in item 2	
5	R141552-082	CLUTCH PISTON & SEALS ASS'Y	1
6	R141552-080	PISTON SEAL - Outer	1
		Included in item 5	
7	R141552-081	PISTON SEAL - Inner	1
		Included in item 5	
9	R141552-083	INNER DISC	6
10	R141552-084	OUTER DISC	8
8	R141552-083	INNER DISC	8
11	R141552-084	OUTER DISC	6
12	R141552-085	SPACER	1
13	R002740-001	BACKING PLATE	2
14	R141552-086	SNAP RING	2
15	R141552-087	RETURN SPRING	1
16	R141552-088	SPRING RETAINER	1
17	R002705-001	DISC SPRING ASS'Y c/w 5 washers	1
18	R004502-084	SNAP RING	1
19	R141552-089	BEARING	1
20	R141552-090	BEARING	1
21	R141552-091	RETAINING RING	2
22	R141552-092	BEARING	1
23	R002422-001	RETAINER RING	1
24	R004502-095	SNAP RING	1
25	R004502-069	PISTON RING	3
26	R141552-093	SNAP RING	1
27	R141552-094	HUB - 2nd CLUTCH	1
28	R004502-084	SNAP RING	1
29	R141552-095	NEEDLE BEARING	1
30	R141552-096	RETAINER	1
31	R141552-097	LOCATING RING	1
32	R141552-098	SPACER	1
33		SEE GEAR GROUP	REF.

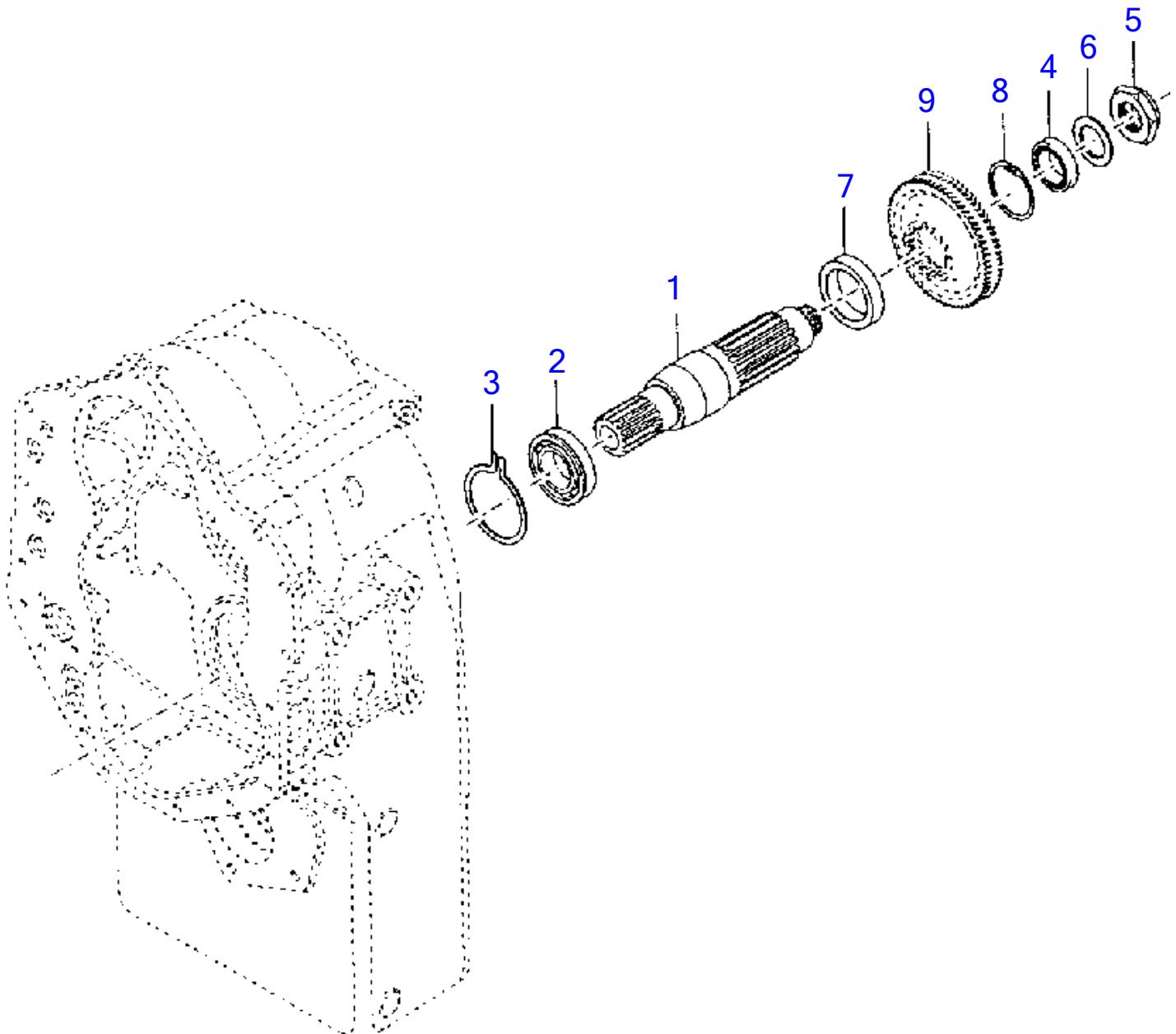
LOW SPEED SHAFT GROUP

Item No.	Part Number	Part Name	Qty.
1	RC4205551	LOW SHAFT, HUB, DRUM & BLEED VALVE ASS'Y	1
2	R141552-079	CLUTCH PISTON & SEALS ASS'Y	1
3	R141552-080	PISTON SEAL - Outer	1
		Items included in item 2	
4	R141552-081	PISTON SEAL - Inner	1
		Items included in item 2	
5	R141552-105	INNER DISC	8
6	R141552-084	OUTER DISC	8
7	R002740-001	BACKING PLATE	1
8	R141552-086	SNAP RING	1
9	R141552-106	DISC SPRING ASS'Y - Incl. 7 washers.	1
10	R004502-084	SNAP RING	1
11	R141552-107	SPACER	1
12	R002389-001	BEARING	1
13	R141552-108	BEARING	1
14	R004502-070	SNAP RING	2
15	R004502-122	RING	1
16	R141552-020	BALL BEARING	1
17	R141552-109	SPACER	1
18	R141552-110	BALL BEARING	1
19	R141552-021	SNAP RING	1
20	R141552-111	RETAINER	1
21		SEE GEAR GROUP	REF.

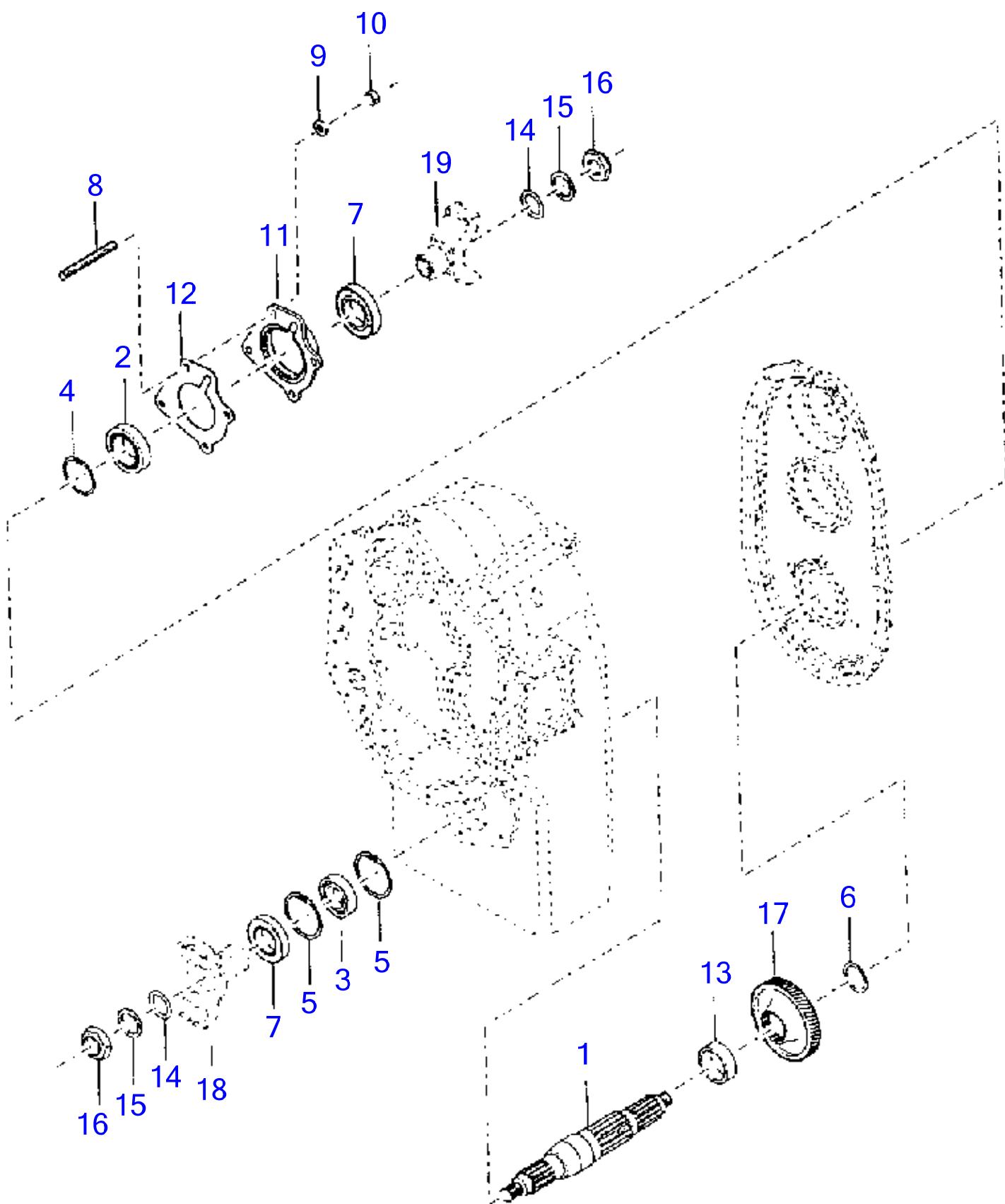
3rd SHAFT GROUP @ After 2004



Item No.	Part Number	Part Name	Qty.
1	R141552-120	3rd SHAFT, DRUM & PLUG ASS'Y	1
2	R008563-011	CLUTCH PISTON & SEALS ASS'Y	1
3	R141552-080	PISTON SEAL - Outer	1
		Items included in item 2	
4	R141552-081	PISTON SEAL - Inner	1
		Items included in item 2	
5	R141552-083	INNER DISC	6
6	R141552-084	OUTER DISC	6
7	R002740-001	BACKING PLATE	1
8	R141552-086	SNAP RING	1
9	R141552-087	RETURN SPRING	1
10	R141552-088	SPRING RETAINER	1
11	R004502-084	SNAP RING	1
12	R002422-001	RETAINER RING	1
13	R141552-092	BEARING	1
14	R004502-095	SNAP RING	1
15	R004502-069	PISTON RING	2
16	R141552-121	HUB - 3rd Clutch	1
17	R141552-122	RETANING RING	1
18	R141552-095	NEEDLE BEARING	1

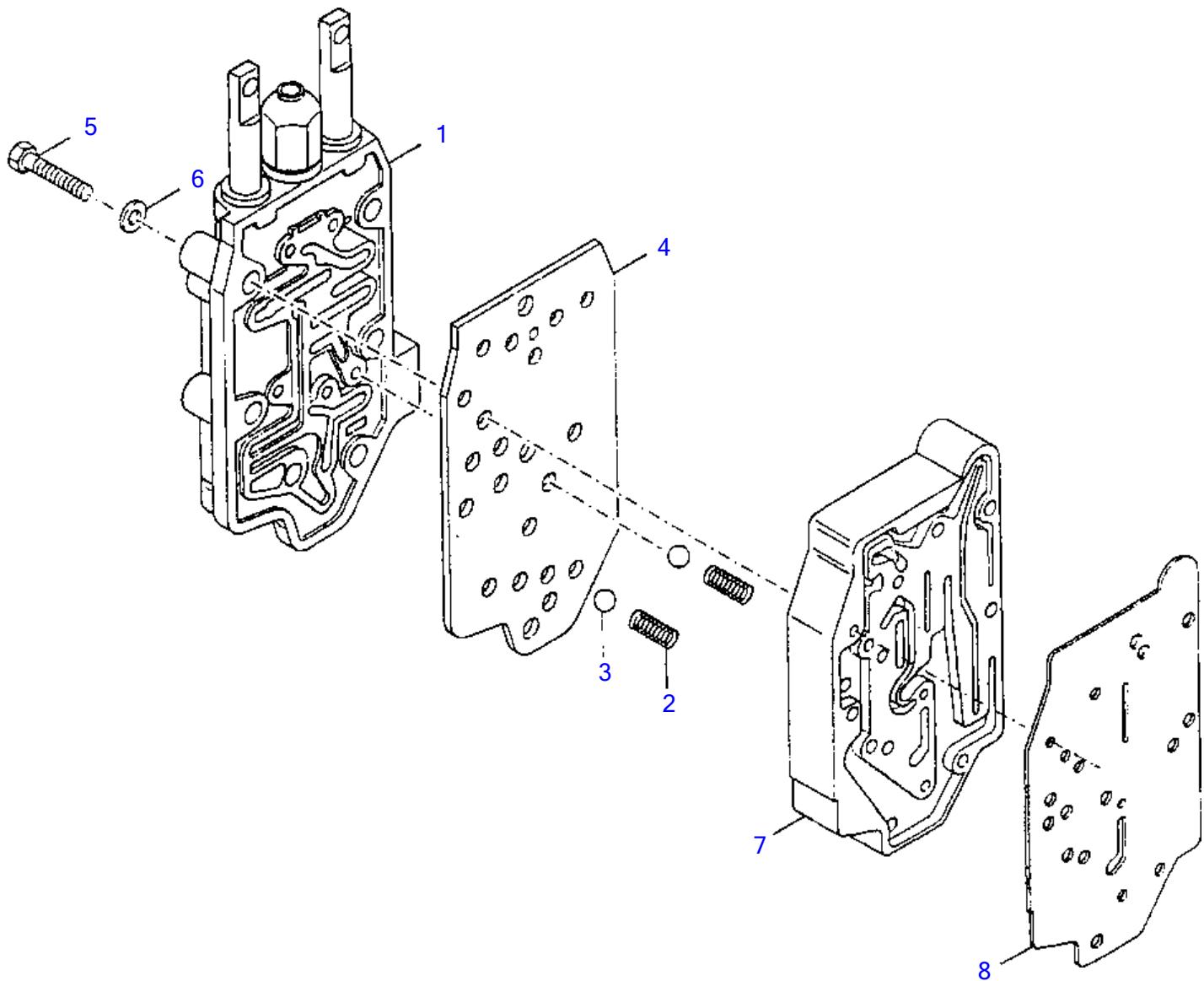
IDLER SHAFT GROUP

Item No.	Part Number	Part Name	Qty.
1	R141552-112	SHAFT	1
2	R141552-020	BALL BEARING	1
3	R141552-021	SNAP RING	1
4	R141552-113	ROLLER BEARING	1
5	RJ222960	NUT	1
6	RJ222179	WASHER	1
7	R002756-001	SPACER	1
8	R004012-075	SNAP RING	1
9		SEE GEAR GROUP	REF.
10	R141552-065	COVER	1
11	R008773-001	GASKET - COVER	1
12	R004012-030	BOLT	2
13	R100867	LOCKWASHER	2

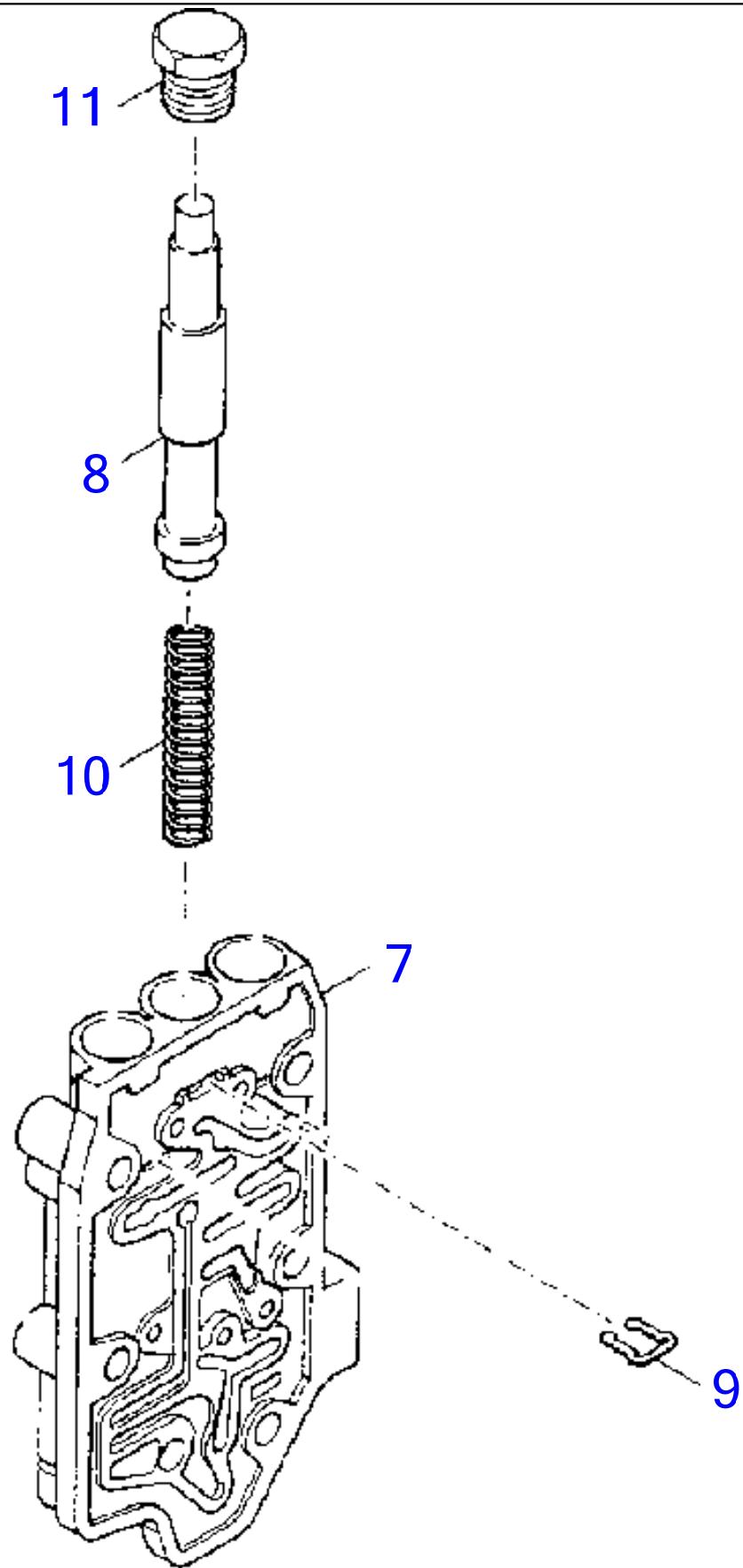
OUTPUT SHAFT GROUP

Item No.	Part Number	Part Name	Qty.
1	R141552-115	SHAFT	1
2	R141552-116	BEARING	1
3	R002411-001	BEARING	1
4	R141552-117	RING	1
5	R004502-018	RETAINING RING	2
6	R141552-022	WASHER	1
7	R002913-001	SEAL	2
8	R002752-001	STUD	4
9	R002836-001	LOCKWASHER	4
10	R002753-001	NUT	4
11	R141552-118	CAP	1
12	RJ234922	GASKET	1
13	R002756-001	SPACER	1
14	R002535-001	O-RING	2
15	RJ222179	WASHER	2
16	RJ222960	NUT	2
17		GEAR - OUTPUT	REF.
18	R141552-002	FLANGE - 6C	REF.
19	R141552-002	FLANGE - 6C	REF.

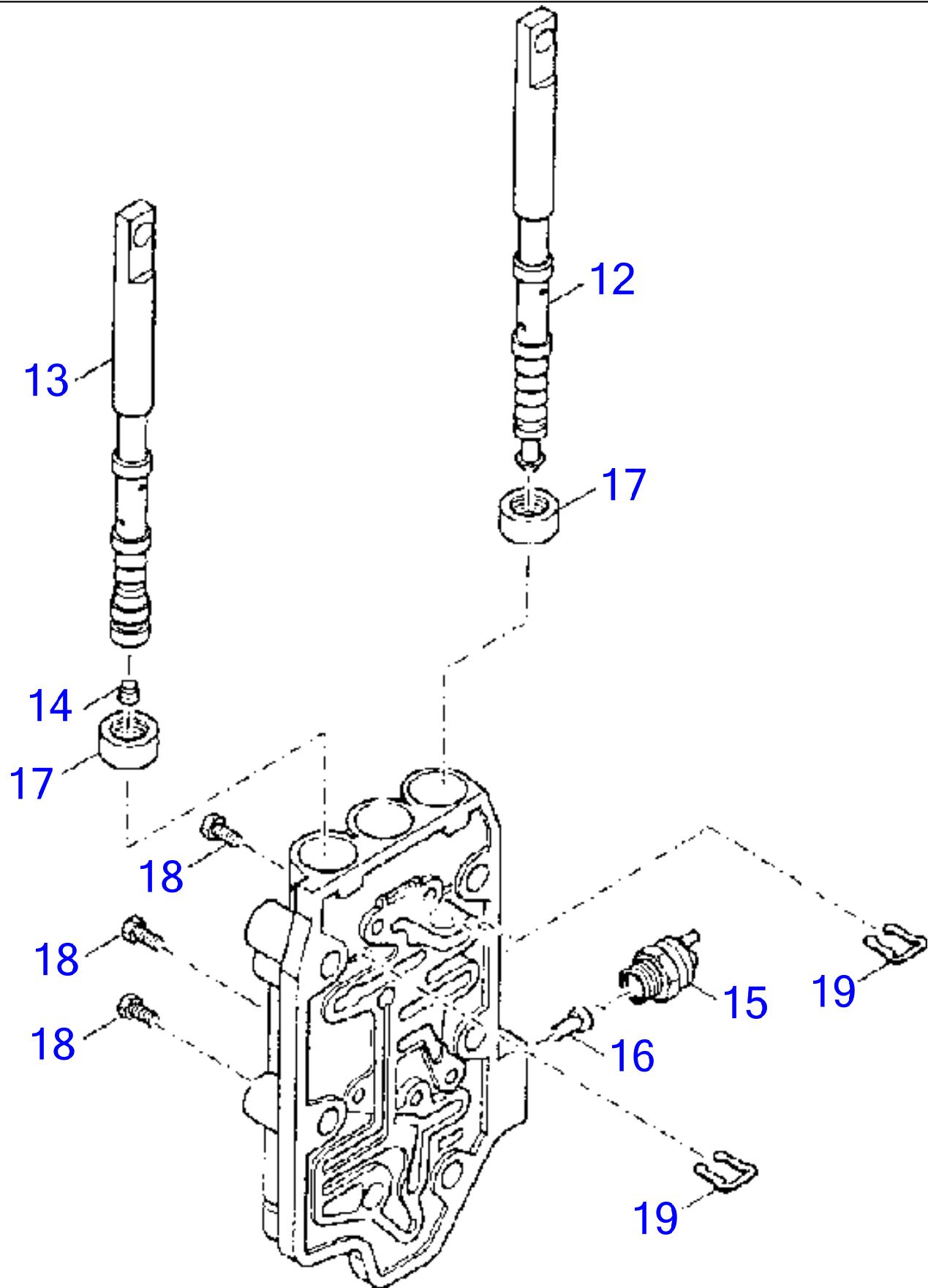
CONTROL VALVE GROUP



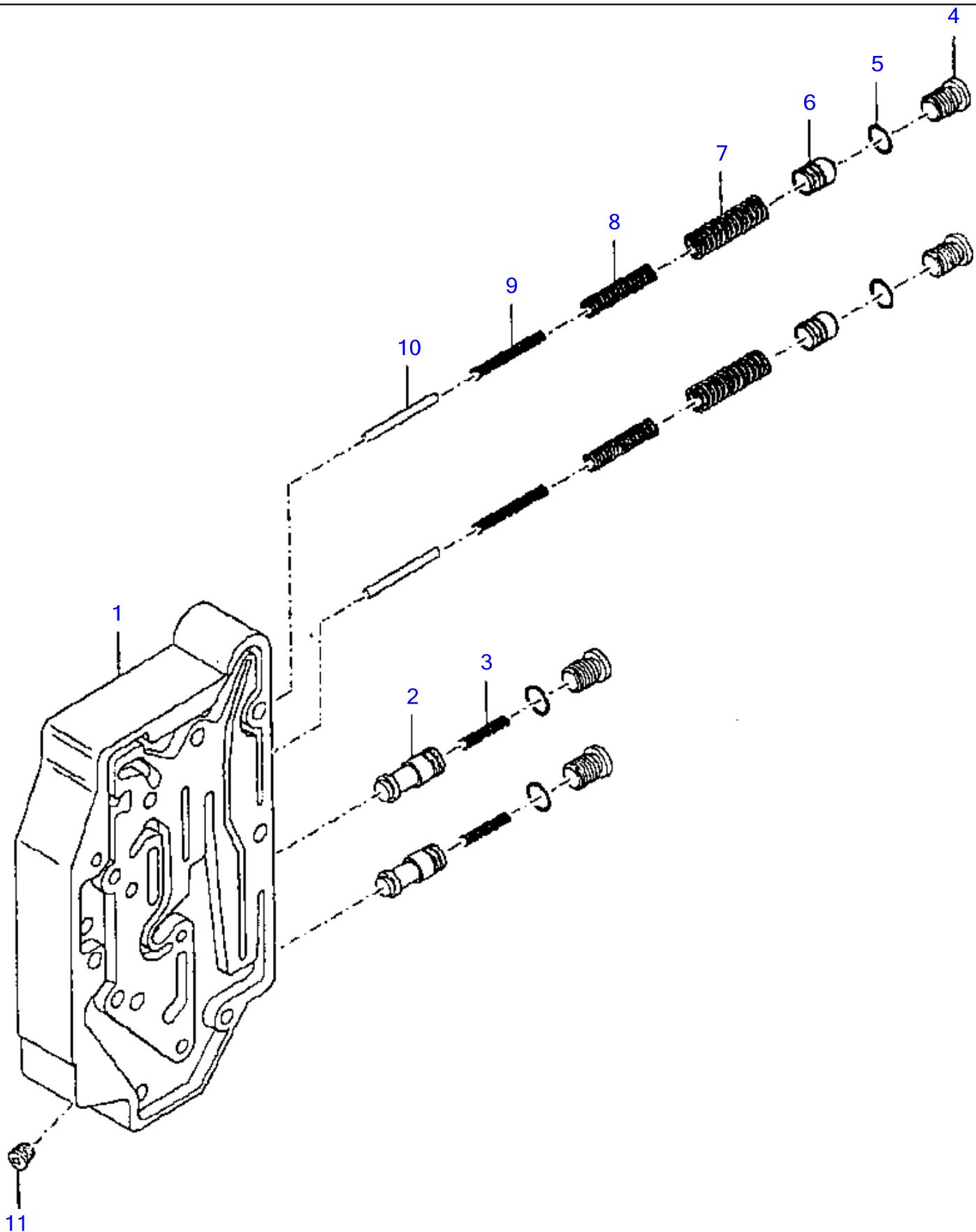
Item No.	Part Number	Part Name	Qty.
1		CONTROL VALVE ASS'Y	1
2	R141552-130	DETENT SPRING	2
3	R002317-001	DETENT BALL	2
4	R802819	GASKET	1
5	RC1C-660	SCREW	9
6	R100867	LOCKWASHER	9
7		MODULATOR VALVE ASSEMBLY	1
8	RC247615	GASKET	1

CONTROL VALVE ASS'Y

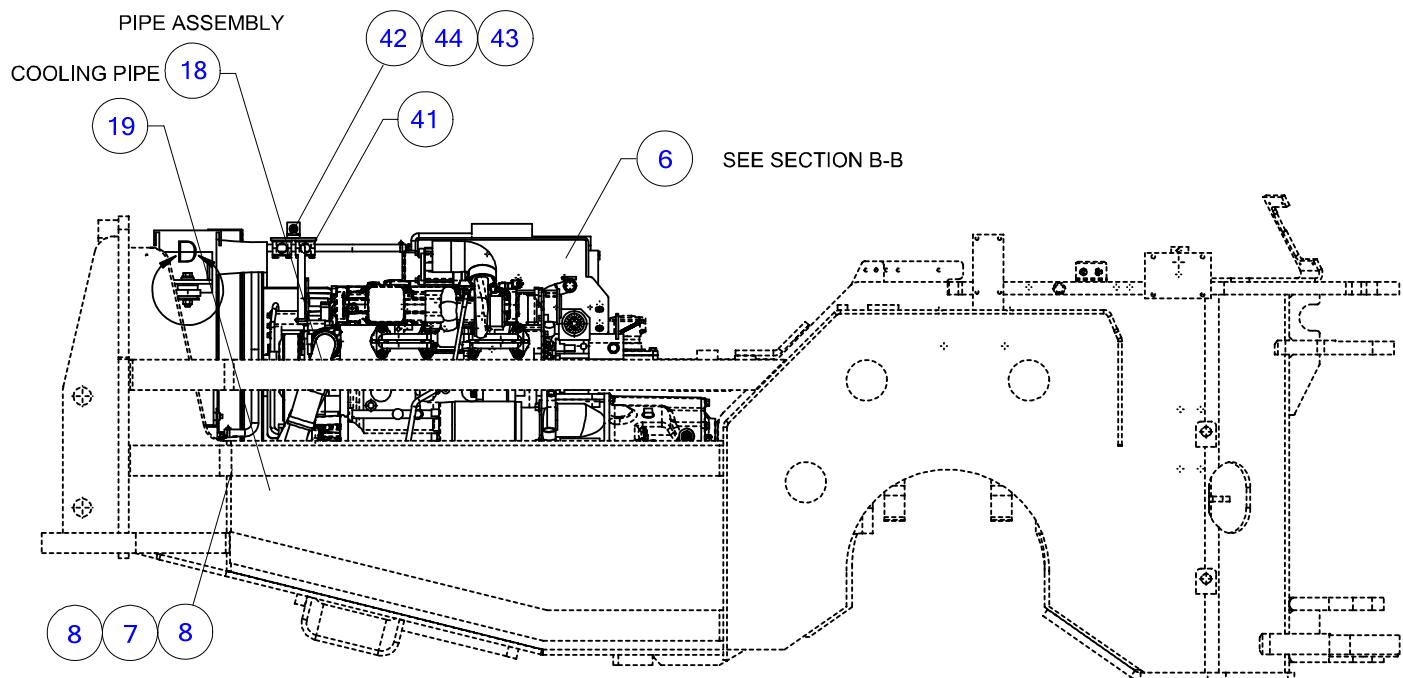
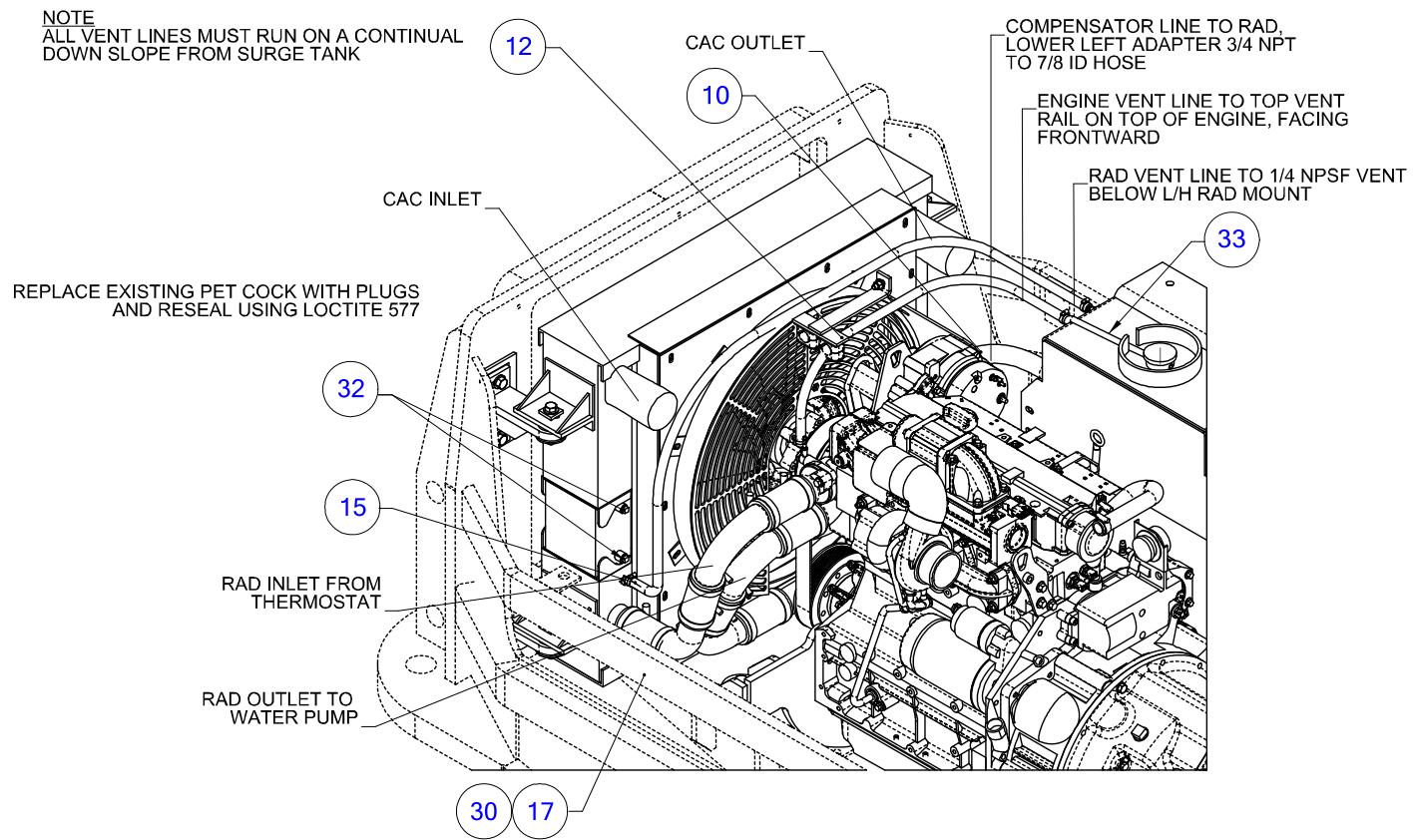
Item No.	Part Number	Part Name	Qty.
7	391016-32	CONTROL VALVE HOUSING ASS'Y	1
8	R391016-40	VALVE SPOOL	1
9	R391016-33	VALVE SPOOL STOP	1
10	R391016-41	CONTROL VALVE SPRING	1
11	R002642-001	PLUG	1

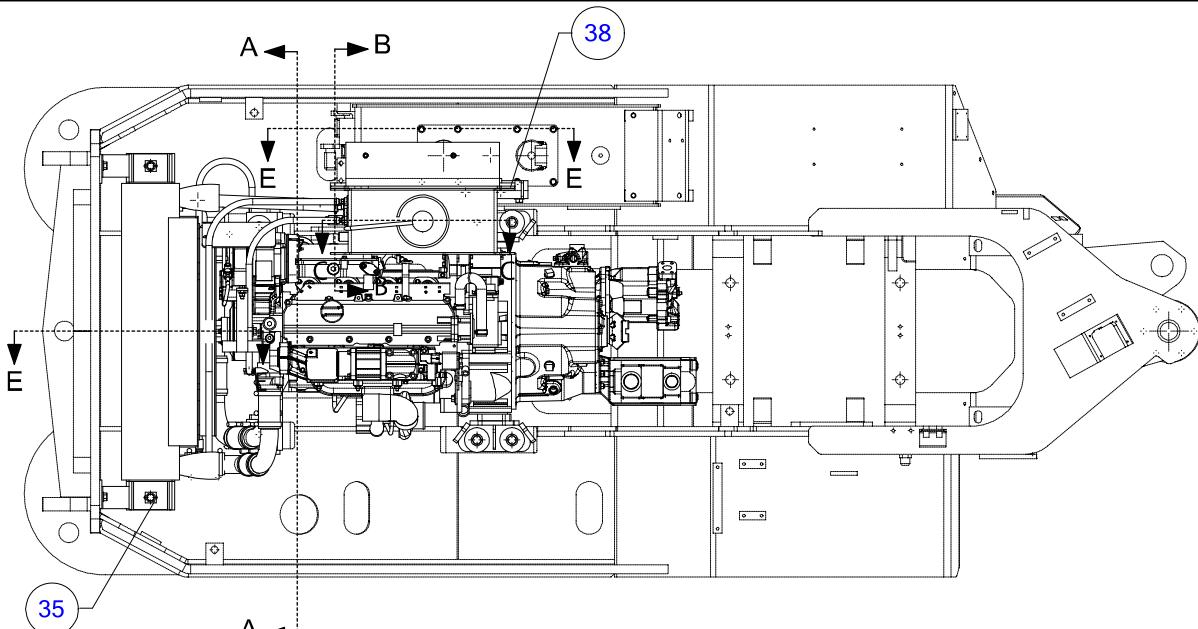
CONTROL VALVE HOUSING ASS'Y

Item No.	Part Number	Part Name	Qty.
12	R391016-38	FORWARD & REVERSE VALVE SPOOL	1
13	R391016-28	SPOOL & PLUG ASS'Y	1
14	R004381-007	PLUG	1
		Item included in item 13	
15	R391016-35	NEUTRAL SWITCH	1
16	R391016-34	PIN	1
17	R391016-30	SEAL	2
18	R391016-31	PIPE PLUG	4
19	R391016-33	VALVE SPOOL STOP	2

MODULATOR VALVE ASSEMBLY

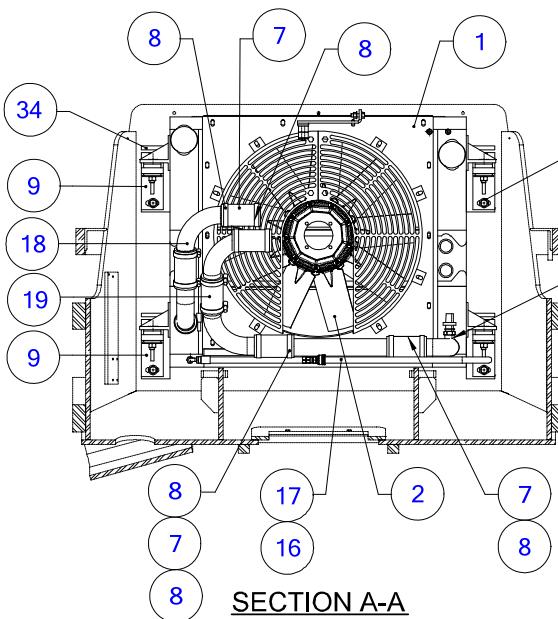
Item No.	Part Number	Part Name	Qty.
1		HOUSING	1
2		SPOOL	2
3	R004502-182	REGULATOR SPRING	2
4	R003509-001	PLUG	4
5	R004502-178	O-RING	4
		Included in item 4	
6		SPOOL	2
7	RC237878	OUTER SPRING	2
8	RC241668	MIDDLE SPRING	2
9	RC241666	INNER SPRING	2
10	RC237881	STOP PIN	2
11	R391016-31	PIPE PLUG	1

INSTLN, COOLING SYSTEM

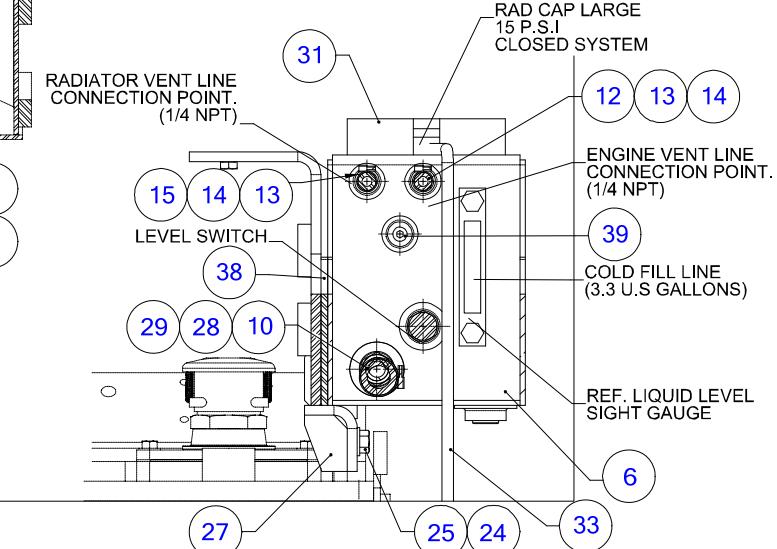
INSTLN, COOLING SYSTEM

TACK IN PLACE ITEM #35
ONTO MOUNT WHEN
RAD AND PIPING
ARE INSTALLED
4 PLCS

ITEM #34, WELD IN PLACE LOCK
PLATE ONTO BACK PLATE WHEN
RAD AND PIPING IS INSTALLED
TYP, 4 PLCS

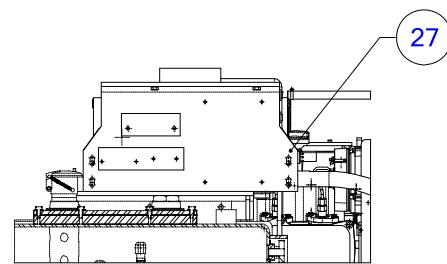
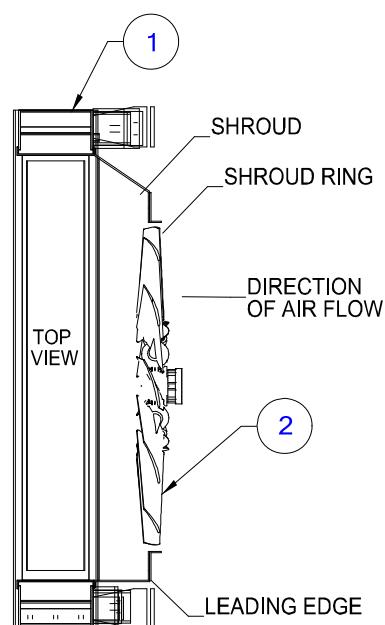
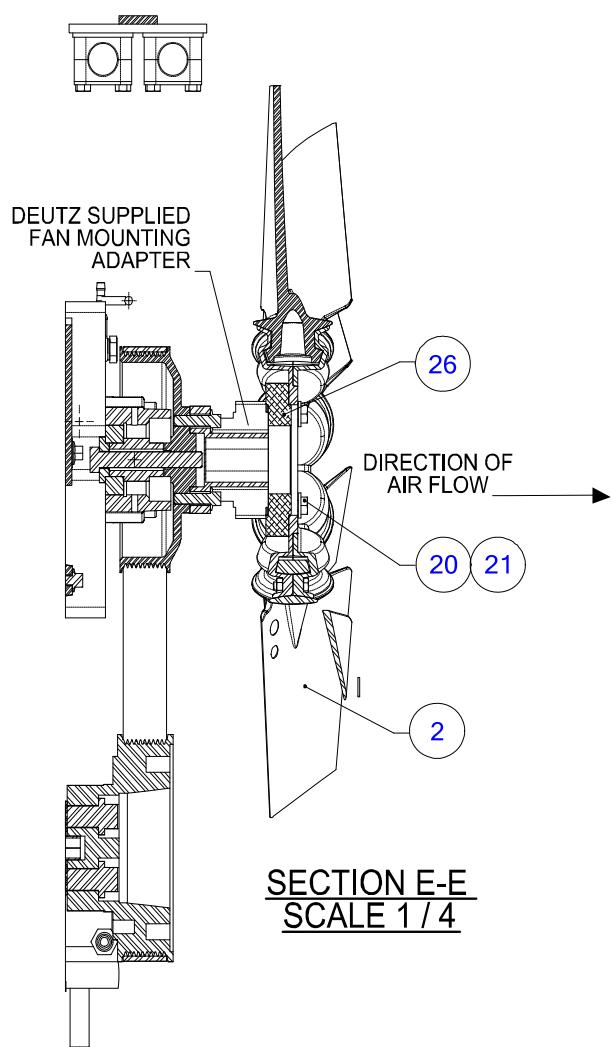
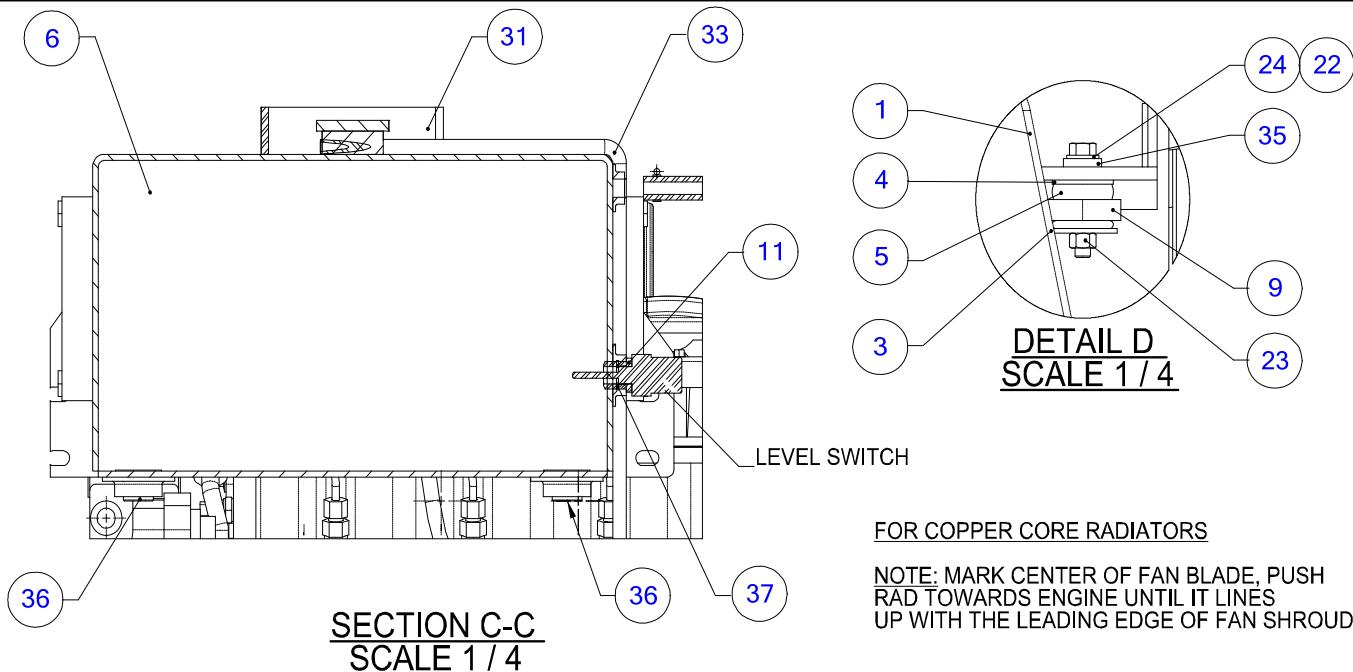
**SECTION A-A**

RADIATOR VENT LINE
CONNECTION POINT.
(1/4 NPT)

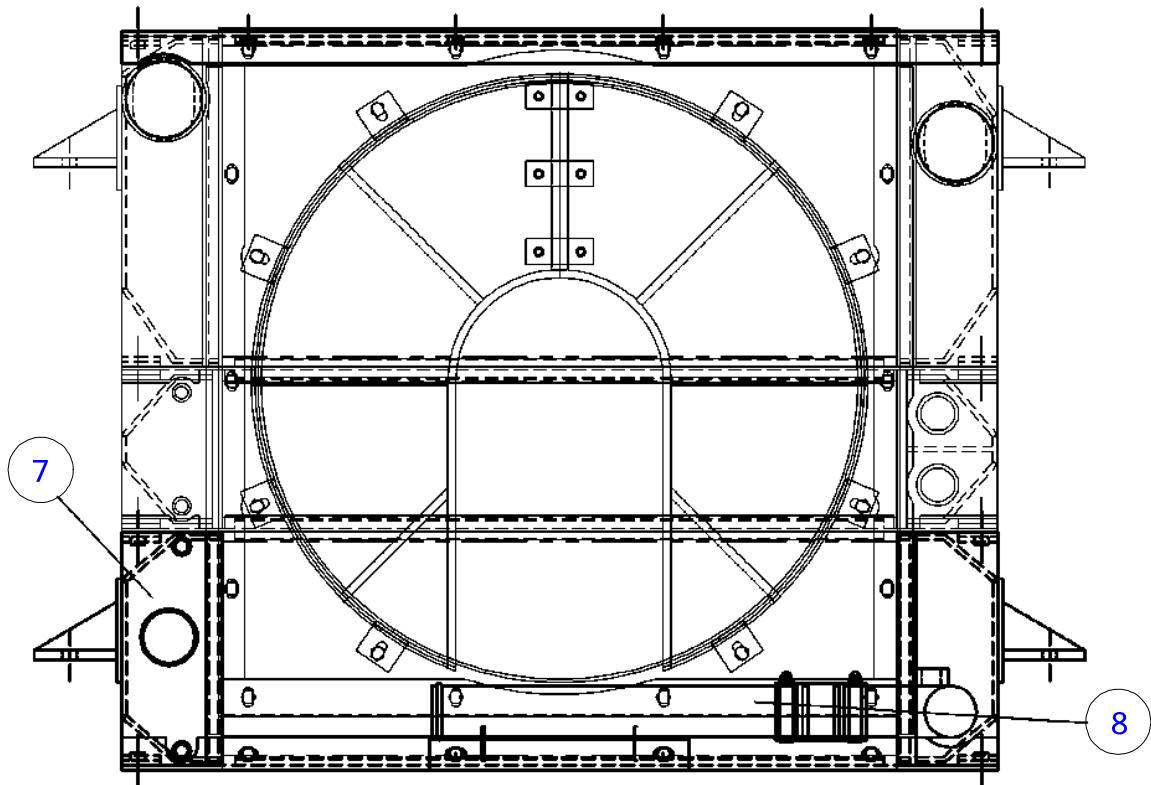
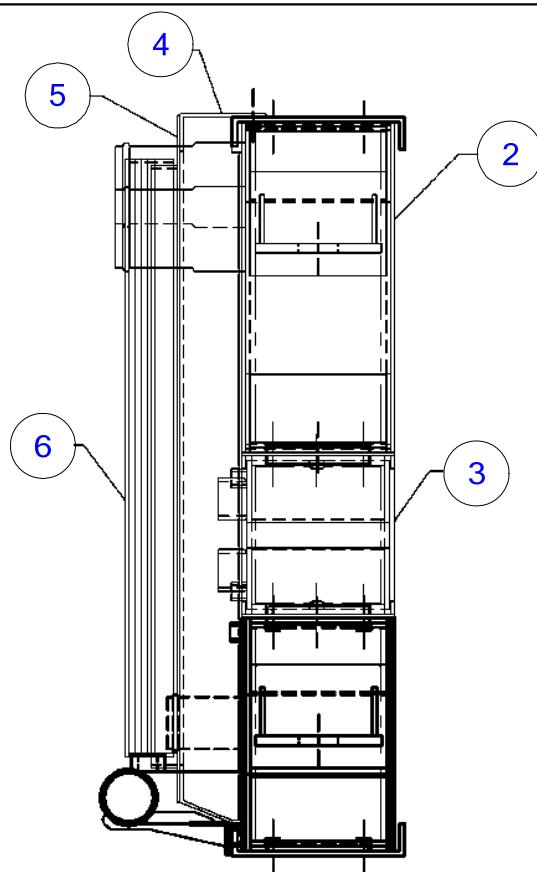


END VIEW OF SURGE TANK
SHOWING FRONT PANEL
CONNECTION POINTS

SECTION B-B
SCALE 1 / 4

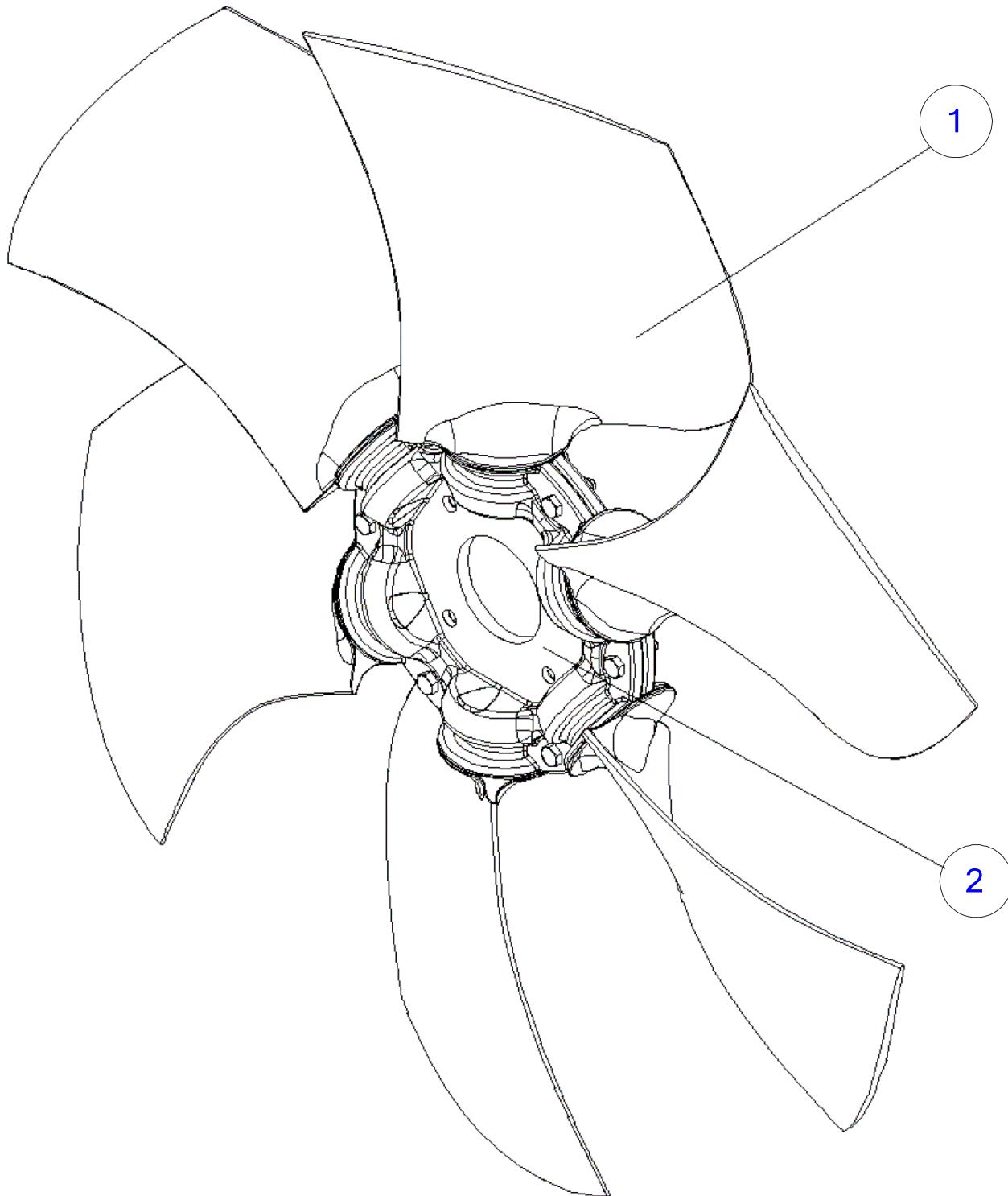
INSTLN, COOLING SYSTEM

Item No.	Part Number	Part Name	Qty.
1	R008659-001	ASSY, RADIATOR	1
2	R008658-001	BLOWER FAN - 22"	1
3	R138190	WASHER - 2.25 OD	4
4	R138189	WASHER - 2 O.D.	4
5	R138179	MNT, CENTER BONDED	4
6	R009335-001	ASSY, SURGE TANK	REF.
7	R018091-002	COUPLING - 2"	5
8	R134461	CLAMP, T-BOLT - 2 3/8	10
9	R008656-001	RAD MOUNT	4
10	R011004-002	COMPENSATOR LINE HOSE - 23"	1
11	R019531-001	SWITCH ADAPTER	1
12	R011005-002	HOSE, ENGINE VENT LINE, 26"	1
13	R007371-001	CLAMP, HOSE - 0.375" TO 0.875"	4
14	R391204-6	ADAPTER - PIPE TO HOSE, 1/4"NPT	3
15	R011006-002	HOSE, RAD VENT LINE, 46 IN	1
16	R100315	PLUG - 900599-6	1
17	R100243	HOSE ASS'Y - 6MP STx90x55"LG	1
18	R008655-002	COOLING PIPE - #2	1
19	R008654-001	COOLING PIPE - #2	1
20	00925442-0824	BOLT, HEX HD - M8-1.25x50,G10.9,PT,CZ	4
21	RH012399	WASHER, FLAT - M8,N,1.6T,300HV,L9,CZ	4
22	R115792	HHCS - 0.500-13NC X 3.000 GR8	4
23	R100660	STOVER NUT - 0.500-13UNC GRC	4
24	R105992	WASHER, FLAT - N,0.5,0.094T,300HV,L9,CZ	15
25	R103573	HHCS - 0.5-13NCx1,G8,FT,CZ	11
26	R009597-001	FAN SPACER	1
27	R008597-001	SURGE TANK MOUNT	1
28	R802996	ADAPTER - 3/4"NPT x 7/8" HOSE	2
29	R009590-001	CLAMP, T-BOLT - 1 1/4 - 1 3/8	2
30	R100636	ADAPTER - ST,#4NPT,M,#6JIC,M	1
31	R011479-001	PROTECTOR RING	1
32	R100194	PIPE PLUG - 0.250 NPT SQ.HEAD	2
33	R020039-001	VENT LINE	1
34	R013512-001	LOCK	4
35	R015775-001	WASHER - RAD MOUNTS	4
36	R800477	PIPE PLUG	2
37	R012292-001	BONDED SEAL	1
38	R037536-001	SPACER	2
39	R108659	PIPE PLUG	1
41	R034624-001	HOSE CLAMP ASS'Y	1
42	R106473	WASHER, FLAT - N,0.375,0.063T,300HV,L9,CZ	2
43	R115938	NUT - 0.375-16NC,G8,CZ	1
44	R103575	HHCS - 0.375-16NC X 1.25 GR8	1

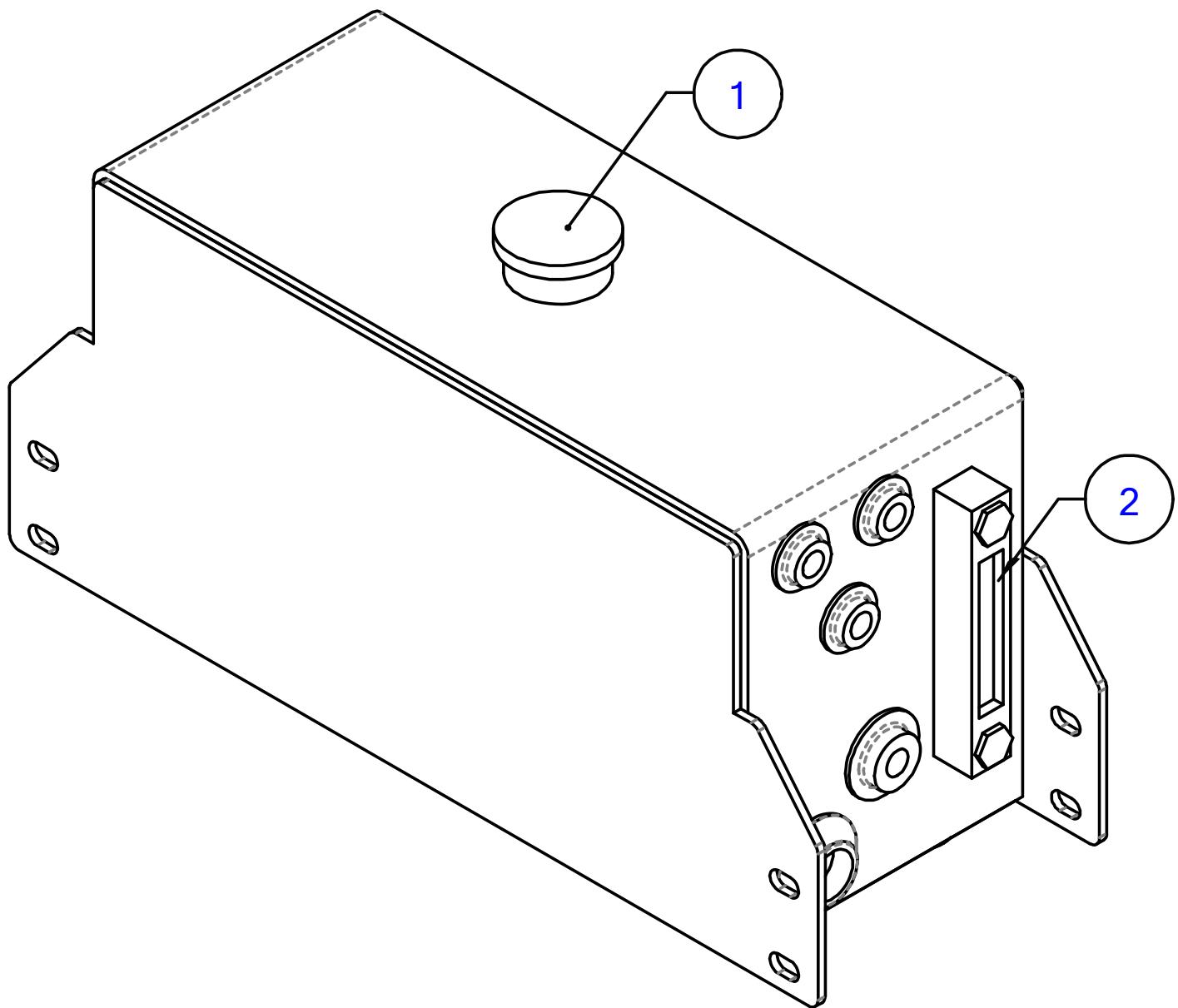
ASSY, RADIATOR

Item No.	Part Number	Part Name	Qty.
2	R008659-009	CHARGE AIR COOLER	1
3	R008659-010	TRANSMISSION COOLER	1
4	R008659-011	FAN SHROUD	1
5	R008659-012	FACE PLATE	1
6	R008659-013	FAN GUARD	1
7	R008659-014	RADIATOR	1
8	R008659-015	PIPE w/ BRACKET	1

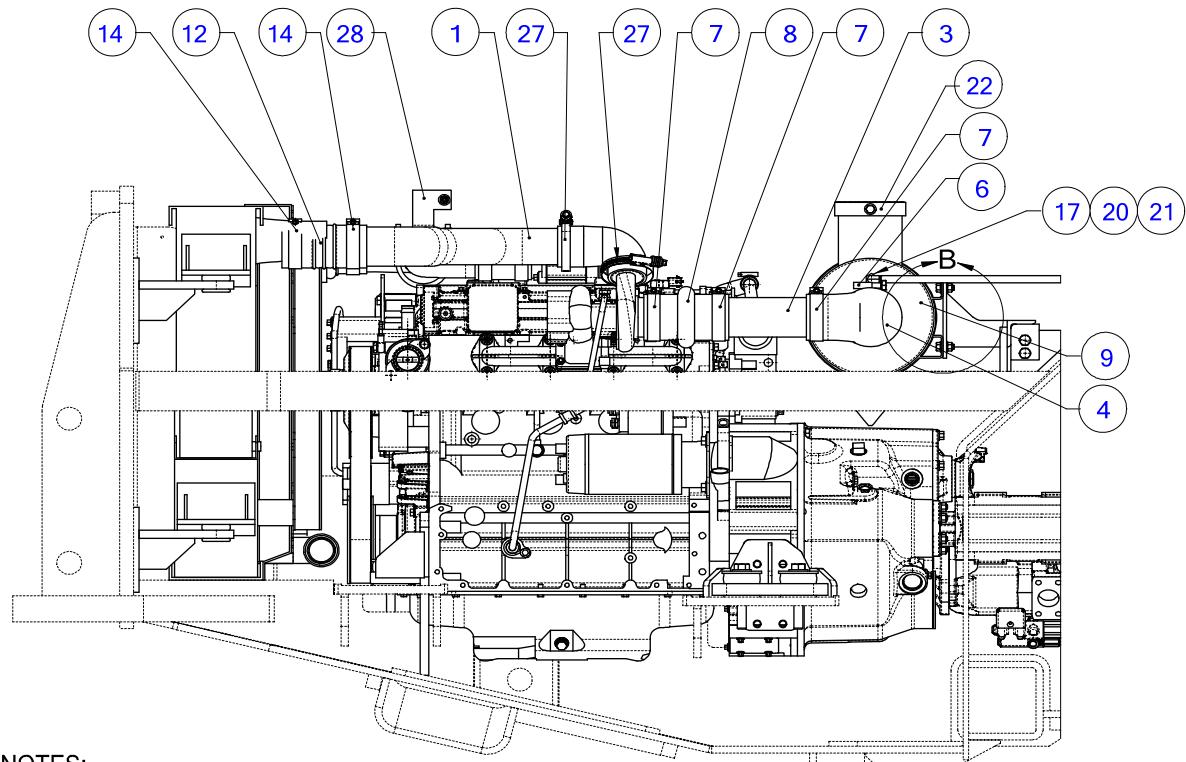
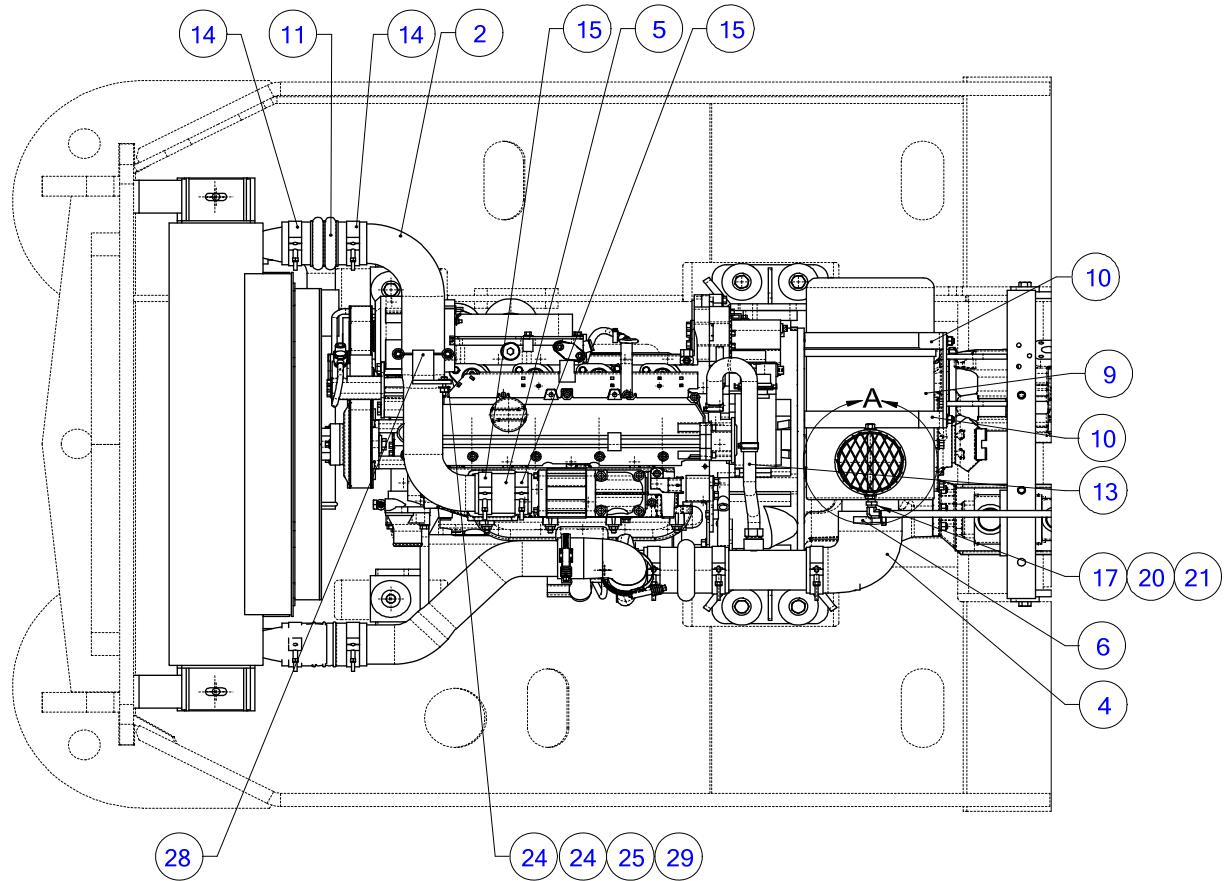
BLOWER FAN - 22"



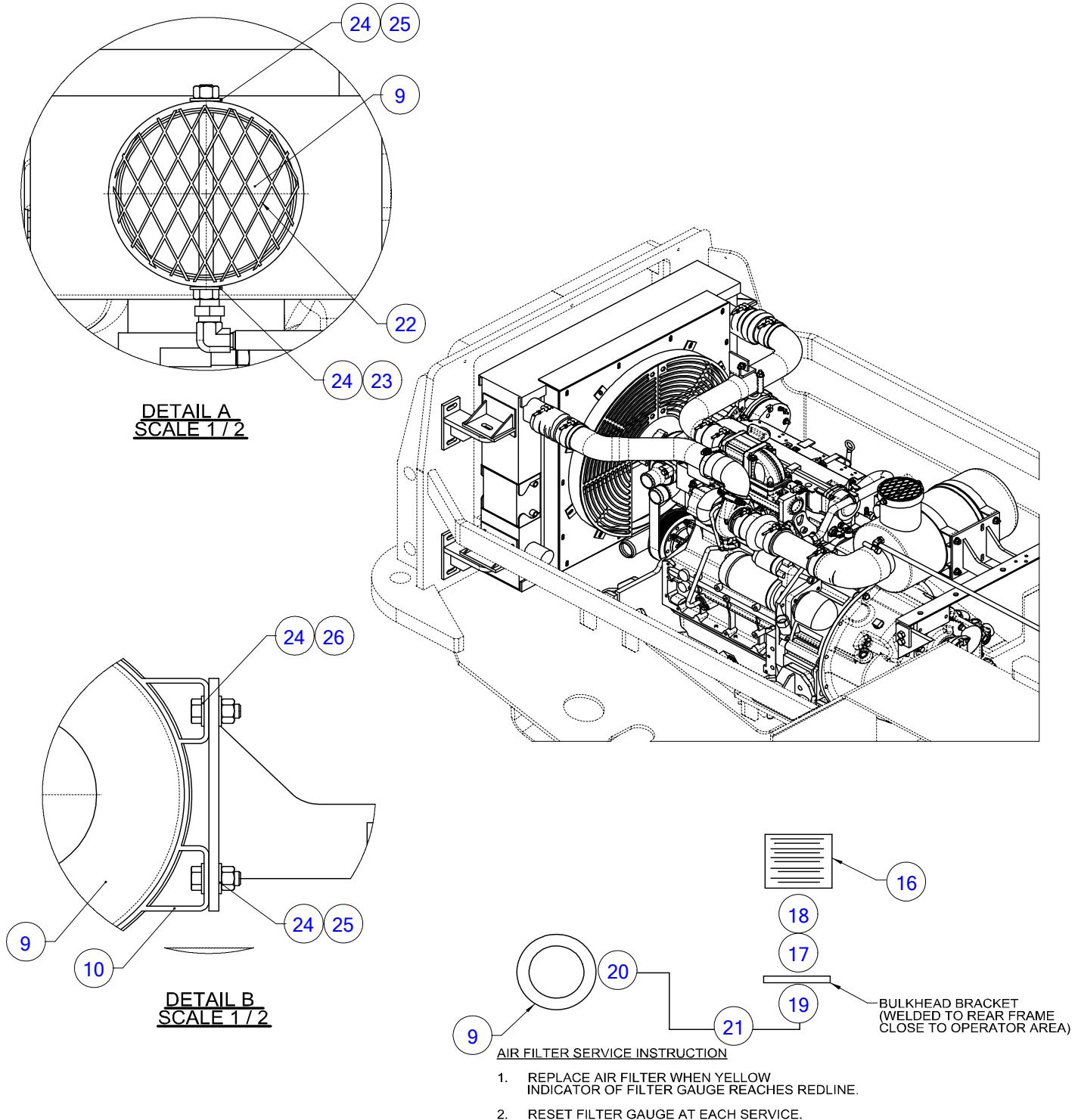
Item No.	Part Number	Part Name	Qty.
1	R009891-001	FAN BLADE	9
2	R008658-100	HUBSET	1

ASSY, SURGE TANK

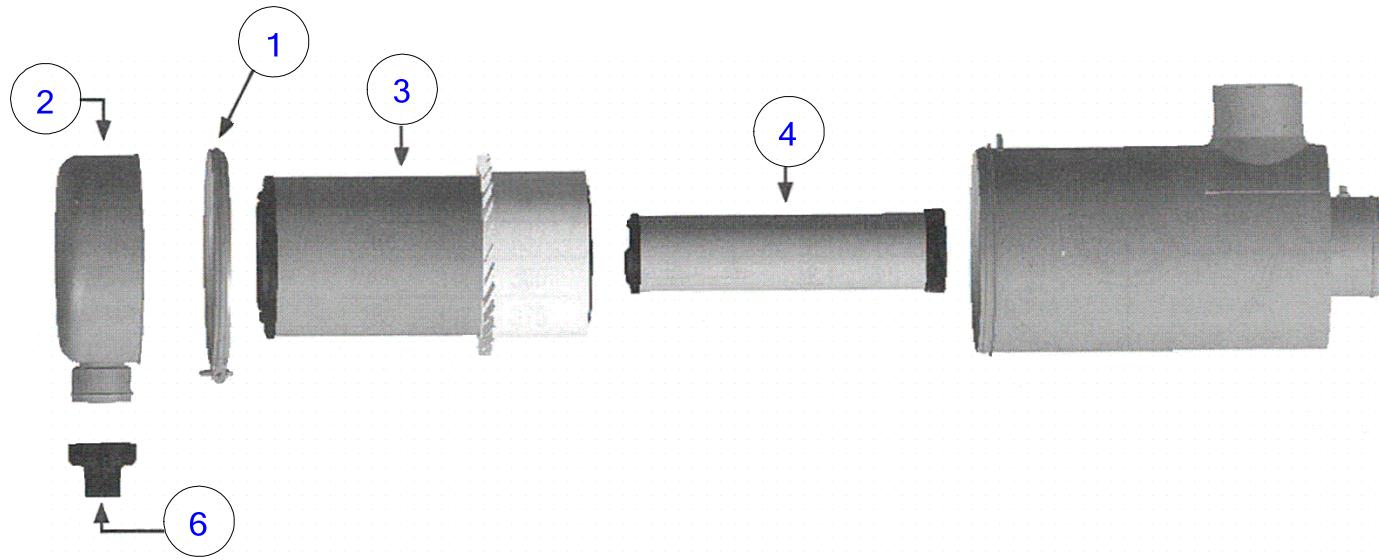
Item No.	Part Number	Part Name	Qty.
1	R009335-002	RADIATOR CAP	1
2	R009335-003	LEVEL GAUGE	1

INSTL'N, AIR INTAKE**NOTES:**

1. CLAMPS SUPPLIED WITH ENGINE
CAN BE USED.

INSTL'N, AIR INTAKE

Item No.	Part Number	Part Name	Qty.
1	R008601-001	CHARGE AIR PIPE - #1	1
2	R008606-001	CHARGE AIR PIPE - #2	1
3	R008608-001	CHARGE AIR PIPE - STRAIGHT	1
4	R008561-001	REDUCTION ELBOW - 90°, 1/2" 4" to 3"	1
5	R009613-002	CHARGE AIR CONNECTOR - 2 3/4"	1
6	R391081-159	T-BOLT CLAMP - 4"	1
7	R009590-013	CLAMP, T-BOLT - 3 1/4 - 3 9/16	3
8	R105483	RUBBER COUPLING - 3"	1
9	R021774-001	AIR CLEANER	1
10	R391081-92	MOUNTING BANDS	2
11	R009373-001	BELLOWS - BLUE - 3"	1
12	R009372-001	BELLOWS - RED - 3"	1
13	R039309-001	DISCHARGE PIPE	1
14	R007993-001	CLAMP - T-BOLT - 3 1/16- 3 5/16	4
15	R009590-009	CLAMP, T-BOLT - 2 3/4-3 1/16	2
16	R391125-14	AIR FILTER INDICATOR	1
17	R800324	NIPPLE,ST,#2NPT,M,#2NPT,M	2
18	R112294	ELBOW - 90,#2NPT,M,#2NPT,F	1
19	R131222	ELBOW,45,#2NPT,M,#4JIC,M	1
20	R102156	ADAPTER - 2025-4-4	1
21	R136813	HOSE ASS'Y - 4MP STX45X71"LG	1
22	R801116	AIR FILTER INTAKE COVER	1
23	R118674	HHCS - 3/8-16UNC X 5 1/2 LG	1
24	R106473	WASHER, FLAT - N,0.375,0.063T,300HV,L9,CZ	12
25	R115938	NUT - 0.375-16NC,G8,CZ	6
26	R100157	HHCS - 0.375-16NCx1,G8,FT,PL	4
27	R391073-3	CLAMP, CONSTANT 3 IN	2
28	RH015813	CHARGE AIR SUPPORT, WELDT	1
29	R116043	HHCS - 0.250-20NCx1.25,G8,PT,CZ	1

AIR CLEANER

Item No.	Part Number	Part Name	Qty.
1	R021774-010	CLAMP	1
2	R021774-011	COVER	1
3	R021774-012	PRIMARY FILTER	1
4	R021774-013	SAFETY FILTER	1
5	R391081-92	MOUNTING BANDS	1
6	R021773-013	VACUATOR VALVE	1

1

CENTRAL HOUSING

2

DIFFERENTIAL

3

HUB REDUCTION

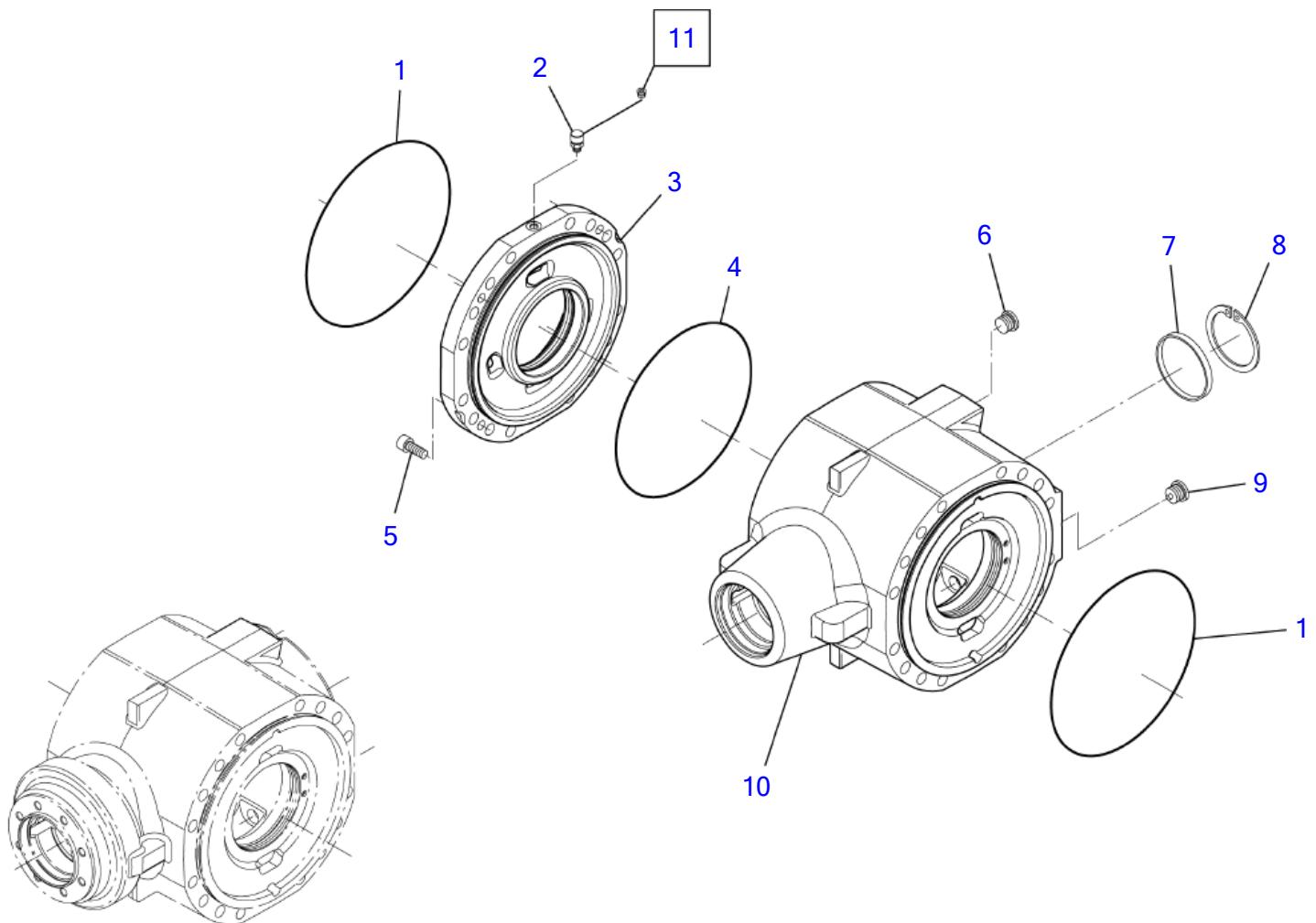
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BRAKES

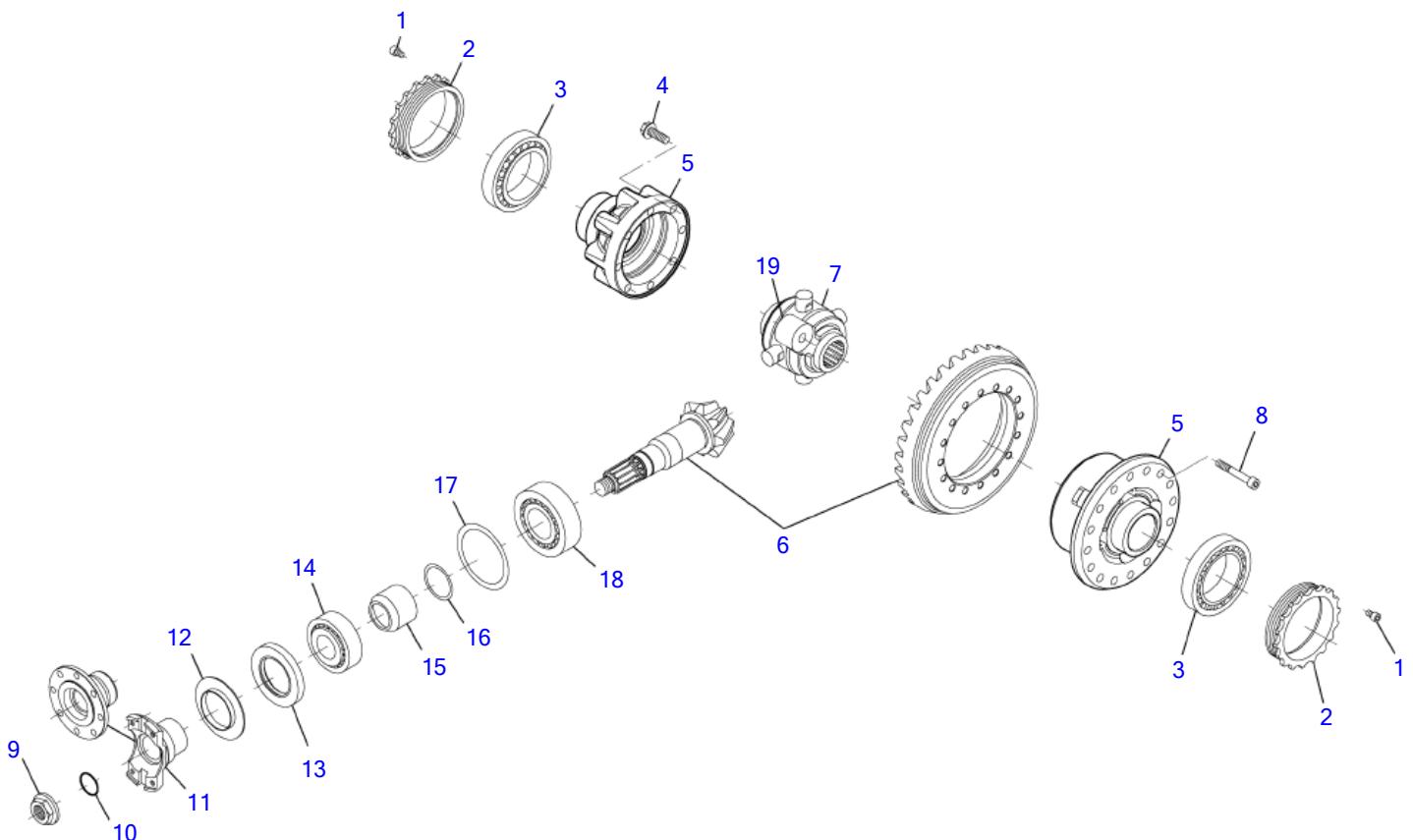
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TRUNNION

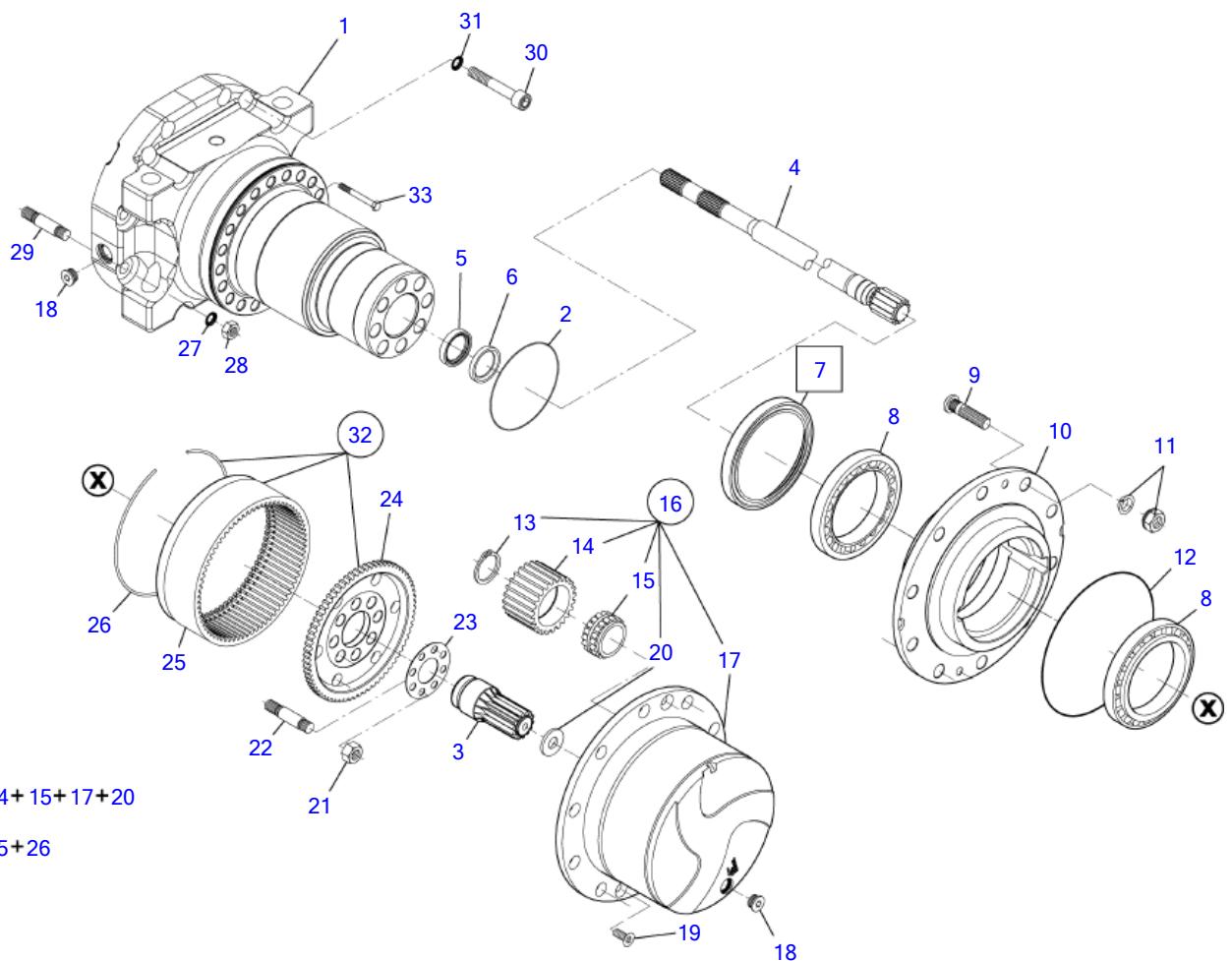
Item No.	Part Number	Part Name	Qty.
1		CENTRAL HOUSING - DANA 182	1
2		DIFFERENTIAL - DANA 182	1
3		HUB REDUCTION - DANA 182	1
4		BRAKES - DANA 182	1
5		TRUNNION - DANA 182	1

CENTRAL HOUSING - DANA 182

Item No.	Part Number	Part Name	Qty.
1	R019252-100	O-RING	2
2	RH011607	PLUG	1
3	R019252-102	INTERMEDIATE COVER	1
4	R026976-129	O-RING	1
5	R019252-104	BOLT	4
6	RH011608	PLUG	1
7	R019252-106	PLUG	1
8	R019252-107	CIRCLIP	1
9	RH011609	PLUG	1
10	R019253-193	HOUSING	1
11	RH012230	BREATHER	1

DIFFERENTIAL - DANA 182

Item No.	Part Number	Part Name	Qty.
1	R019252-110	BOLT	2
2	R019252-111	RING NUT	2
3	R019252-112	ROLLER BEARING	2
4	R019252-113	BOLT	8
5	R019252-114	DIFFERENTIAL CARRIER	1
6	R019252-112	ROLLER BEARING	1
7	RH000937	NO-SPIN DIFFERENTIAL	1
8	R019252-117	BOLT	16
9	R017947-001	NUT	1
10	R019253-116	O-RING	1
11	R019252-125	FLANGE	1
12	R019253-118	COVER PLATE	1
13	R019252-120	SEAL	1
14	R019252-139	ROLLER BEARING	1
15	R026976-108	SPACER	1
16	R026976-109	RING KIT	1
17	R019252-198	SHIM KIT	1
18	R019253-131	ROLLER BEARING	1

HUB REDUCTION - DANA 182

(16) Kit = 13+14+15+17+20

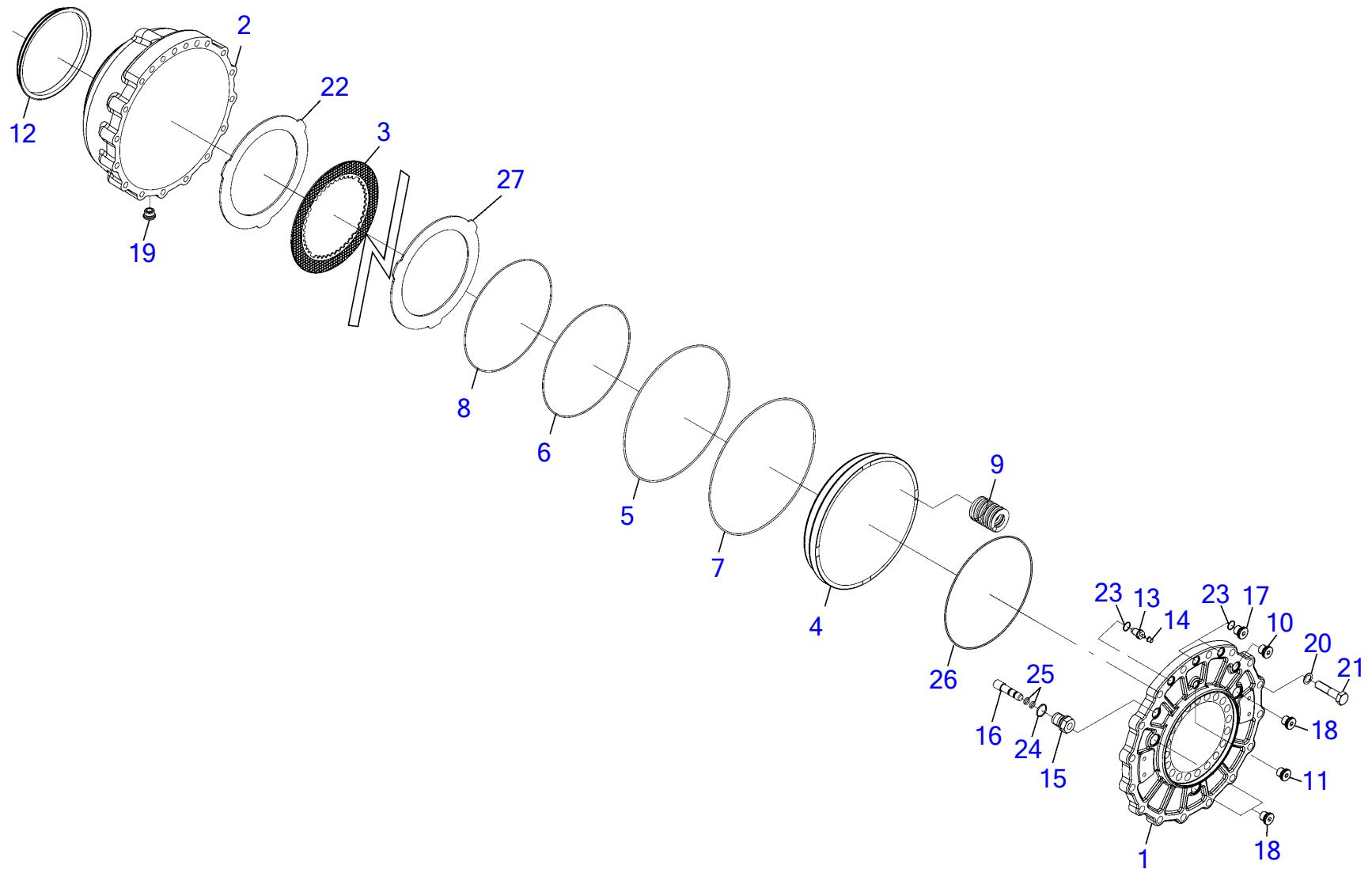
(32) Kit = 24+25+26

Item No.	Part Number	Part Name	Qty.
1	RH000938	AXLE CASE	2
2	R019252-197	O-RING	2
3	R026976-132	PINION	2
4	RH000939	HALF SHAFT	2
5	R026976-125	SEAL	2
6	RH011610	CENTERING RING	2
8	R019252-147	ROLLER BEARING	4
9	RH000940	WHEEL STUD	20
10	RH011611	WHEEL HUB	2
11	RH000942	NUT	20
12	RH011676	O-RING	2
13	R019252-158	SNAP RING	6
14	R019252-159	PLANET GEAR	6
15	R019252-160	BEARING	6
16	RH011677	PLANET GEAR CARRIER KIT	2
17	RH011678	PLANET GEAR CARRIER	2
18	RH011679	PLUG	2
19	R019252-163	BOLT	4
20	R019252-157	FRICTION WASHER	2
21	R019252-156	NUT	16
22	RH001627	STUD	16
23	R019252-154	LOCKING PLATE	2
24	R019252-153	RING GEAR SUPPORT	2
25	R026976-131	RING GEAR	2
26	R019252-151	CIRCLIP	2
27	R019252-171	WASHER	8
28	R019252-169	NUT	8
29	R019252-170	BOLT	8
30	R019252-166	CYLINDER BOLT	16
31	R019252-168	SPRING WASHER	16
32	R026976-133	RING GEAR SUPPORT	2
33	RH011680	BOLT	40

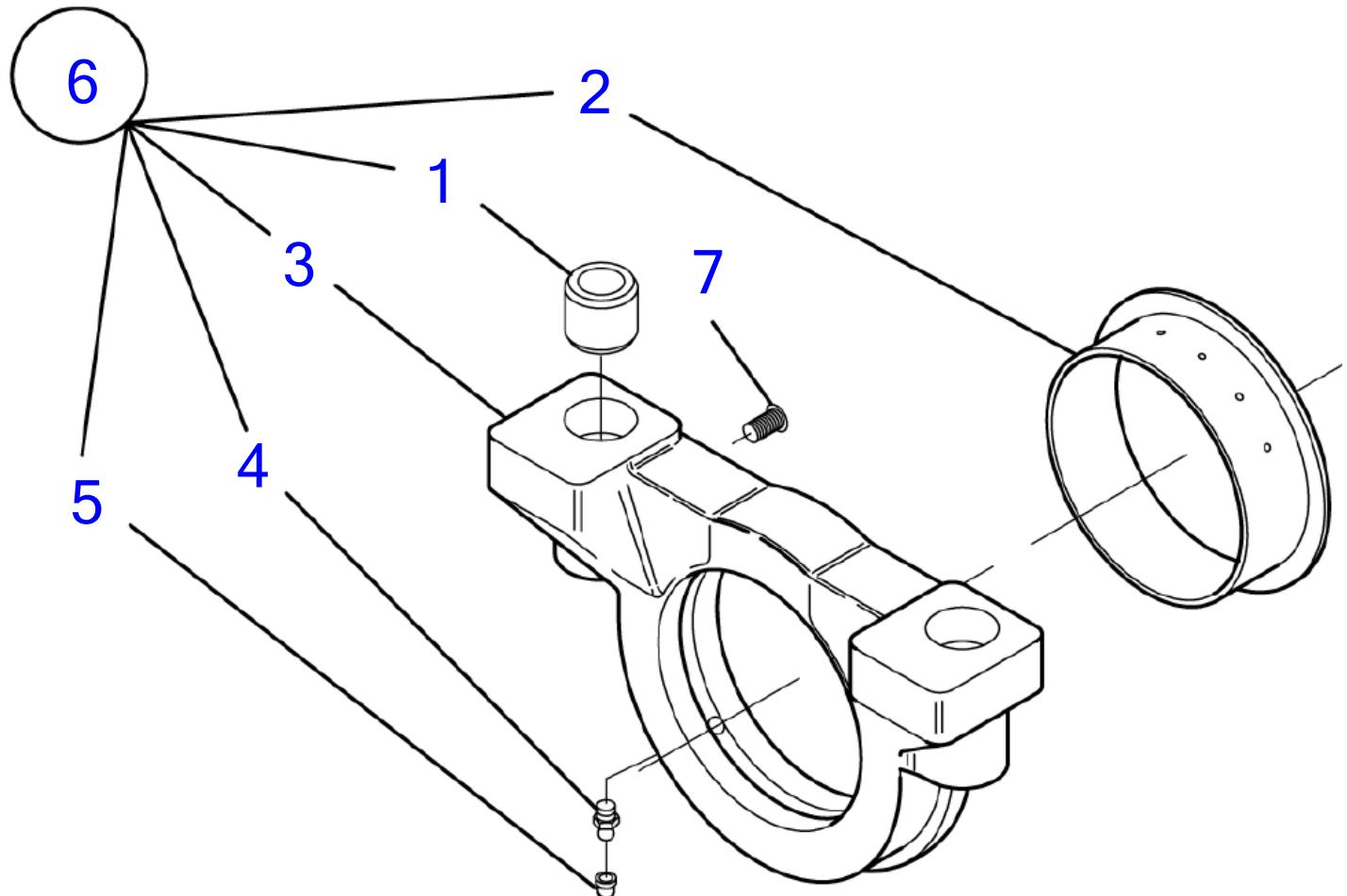
21-4895: LT-270 - MINERO DIESEL

BRAKES - DANA 182

KOMATSU

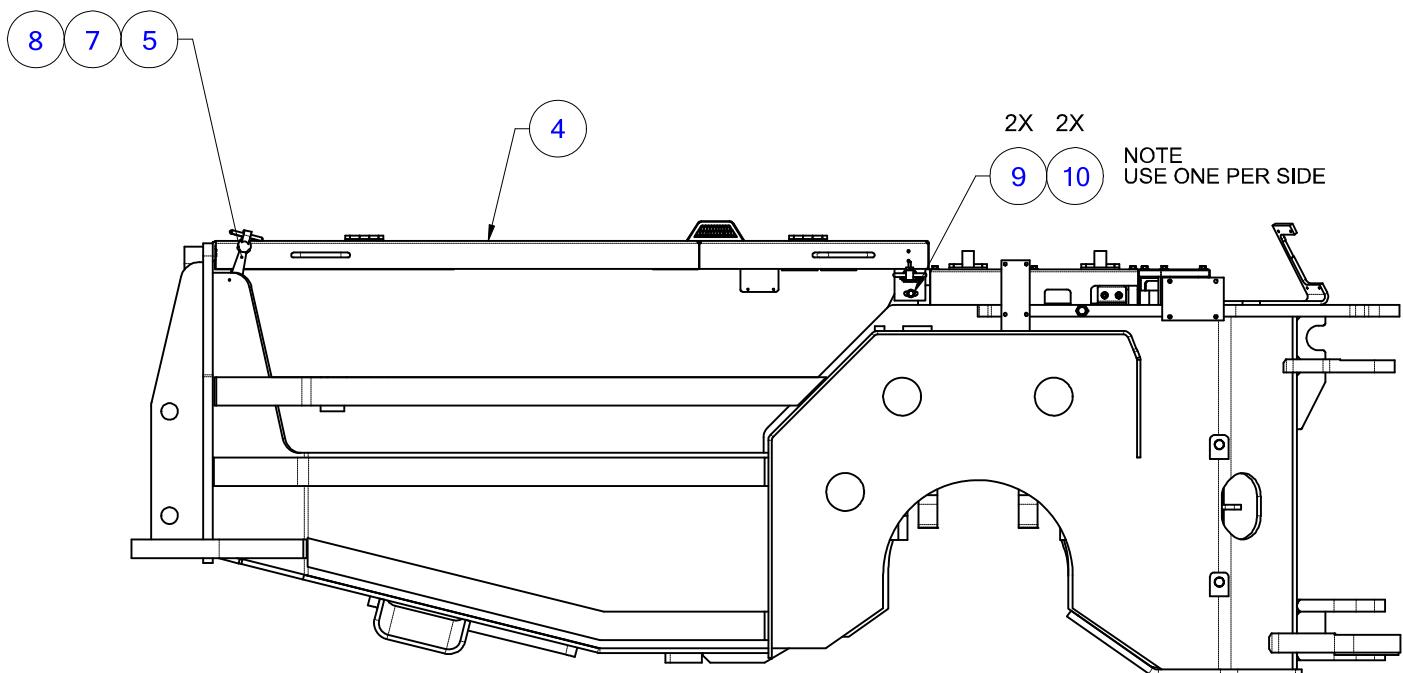
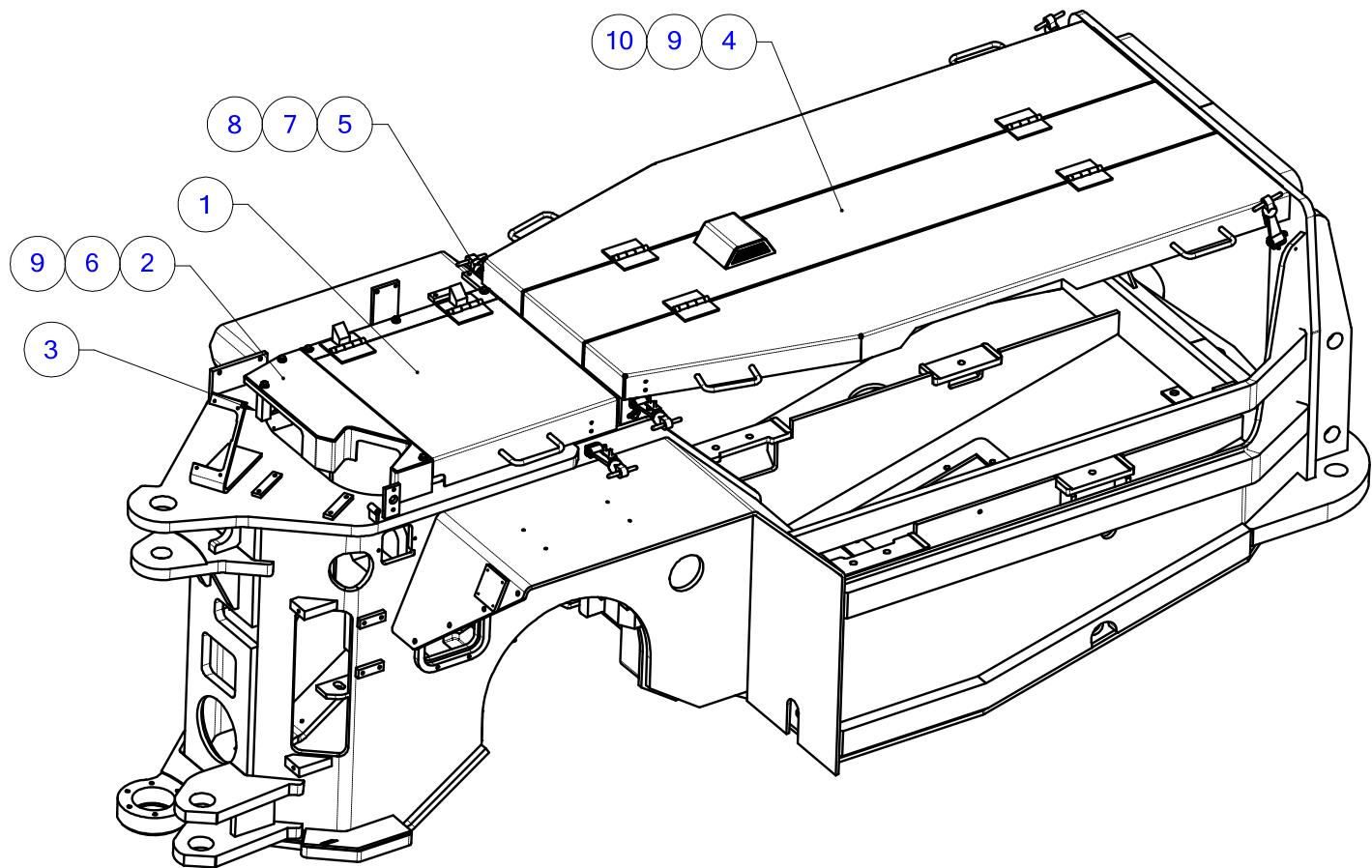


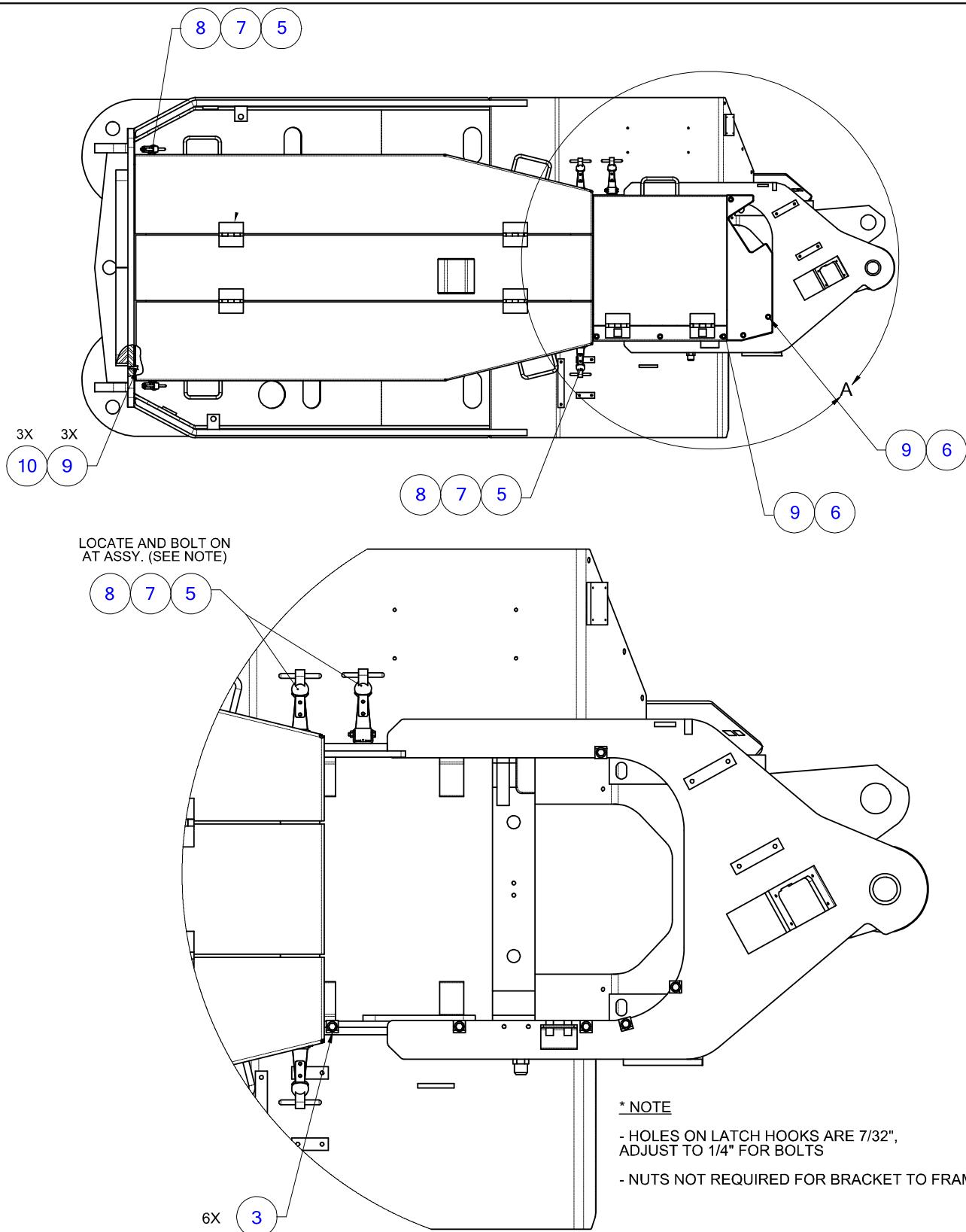
Item No.	Part Number	Part Name	Qty.
1	RH011681	COVER	2
2	RH011682	COVER	2
3	RH011683	BRAKE DISC	8
4	RH011684	PISTON	2
5	RH011685	SEAL	2
6	RH011686	SEAL	2
7	RH011687	O-RING	2
8	RH011688	O-RING	2
9	RH000958	SPRING	32
10	RH011689	PLUG	2
11	RH011690	PLUG	2
12	RH011691	SEAL	2
13	RH011692	BLEEDING BOLT	2
14	R019252-174	PLUG	2
15	RH011693	SUPPORT	2
16	RH011694	PIN	2
17	RH011695	PLUG	4
18	RH011696	PLUG	6
19	RH011697	PLUG - OBSOLETE, USE H011609	2
20	RH000948	SPRING WASHER	32
21	RH000950	BOLT	32
22	RH011698	BRAKE DISC - INTERMEDIATE	2
23	R036619-111	O-RING	6
24	RH000945	O-RING	2
25	RH000944	O-RING	4
26	RH011699	O-RING	2
27	RH011700	BRAKE DISC - INTERMEDIATE	8

TRUNNION - DANA 182

6 Kit = 1+2+3+4+5

Item No.	Part Number	Part Name	Qty.
1	R019253-186	BUSHING	4
2	R019253-187	THRUST BUSHING	2
4	R019253-189	GREASE FITTING	2
5	R019252-174	PLUG	2
6	RH000974	SUPPORT	2
7	RH000975	BOLT	2

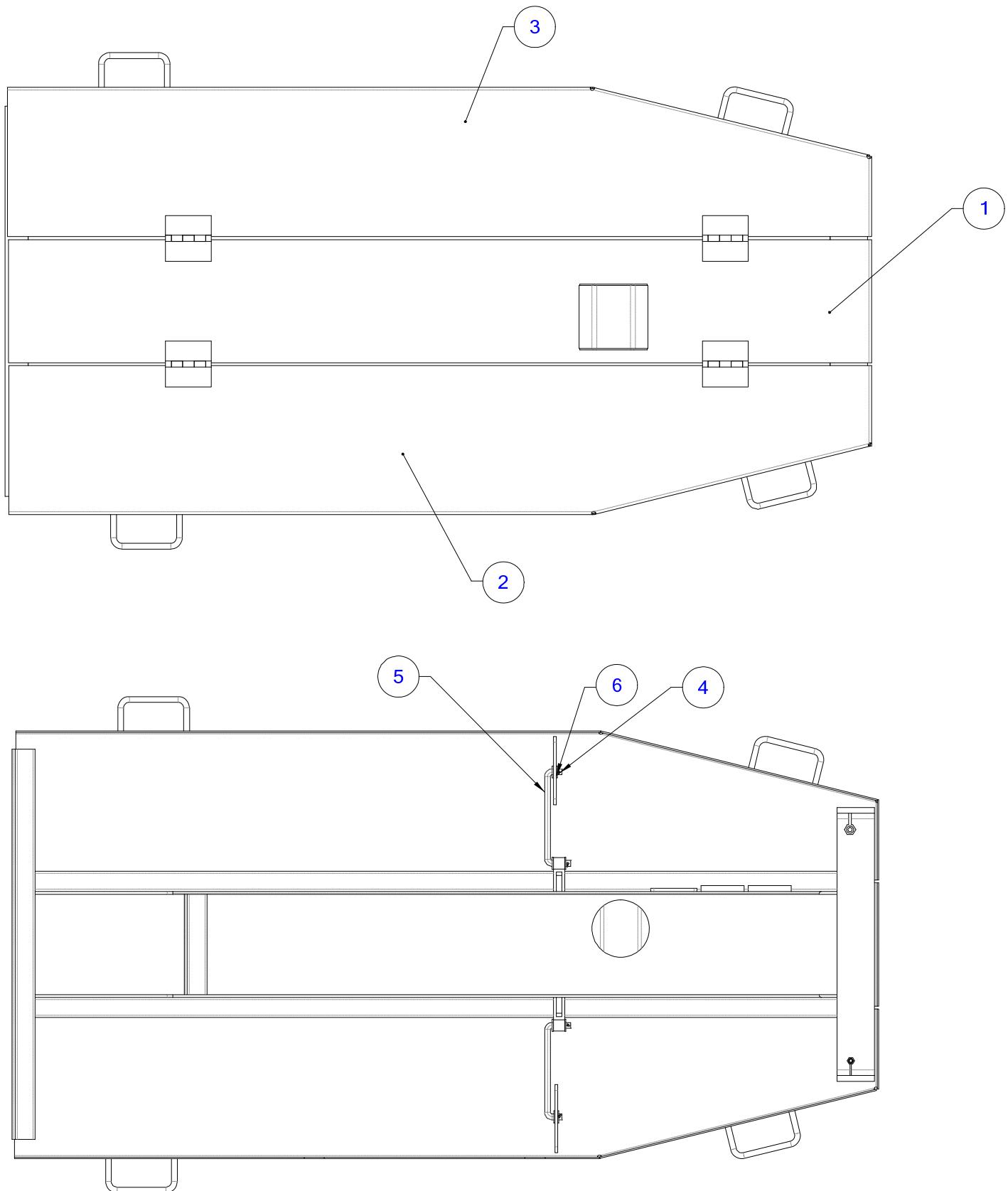
ASSY, REAR HOODS, LT-270

ASSY, REAR HOODS, LT-270

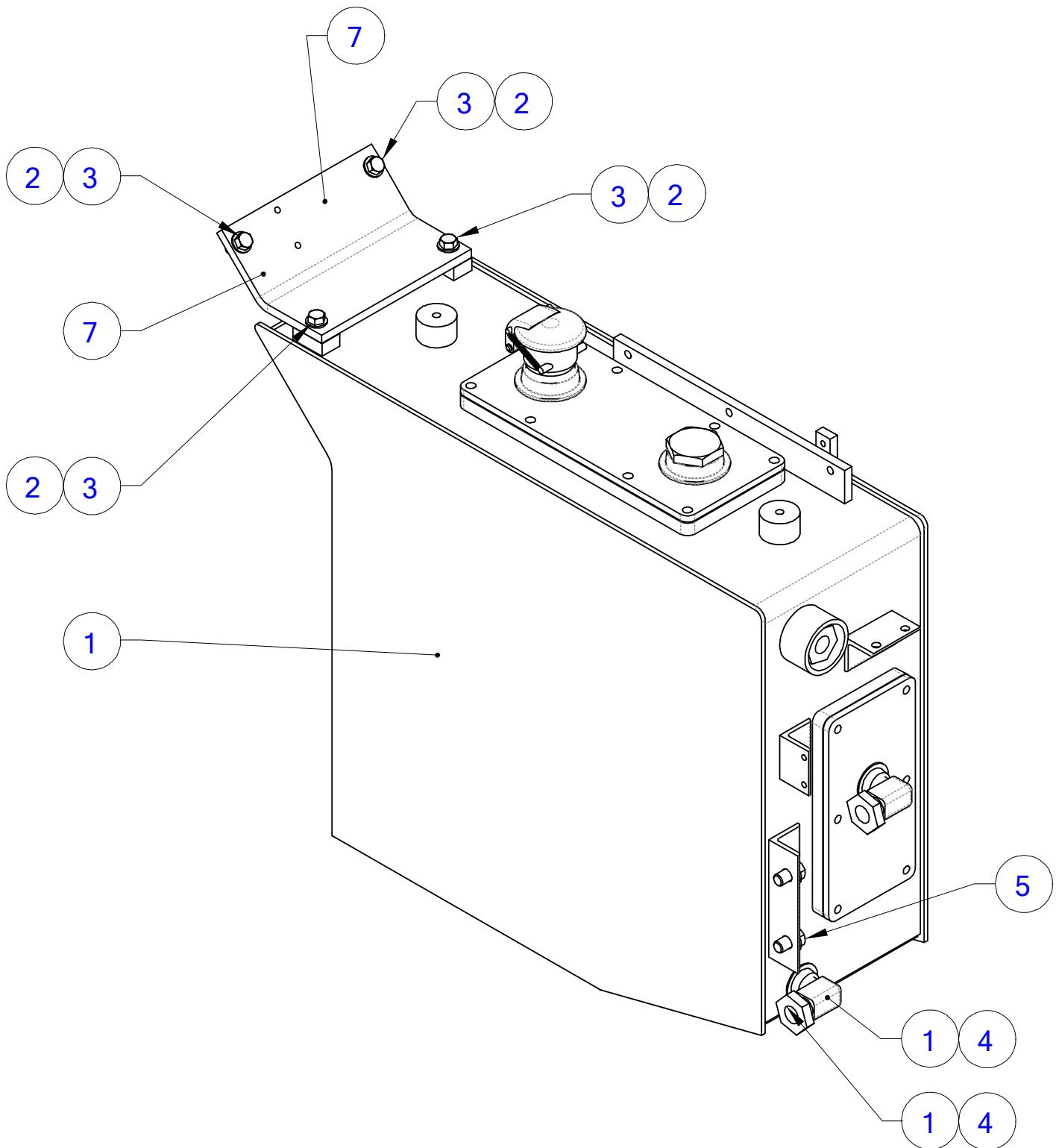
DETAIL A
SCALE 1 / 6

FRONT HOODS REMOVED FOR CLARITY

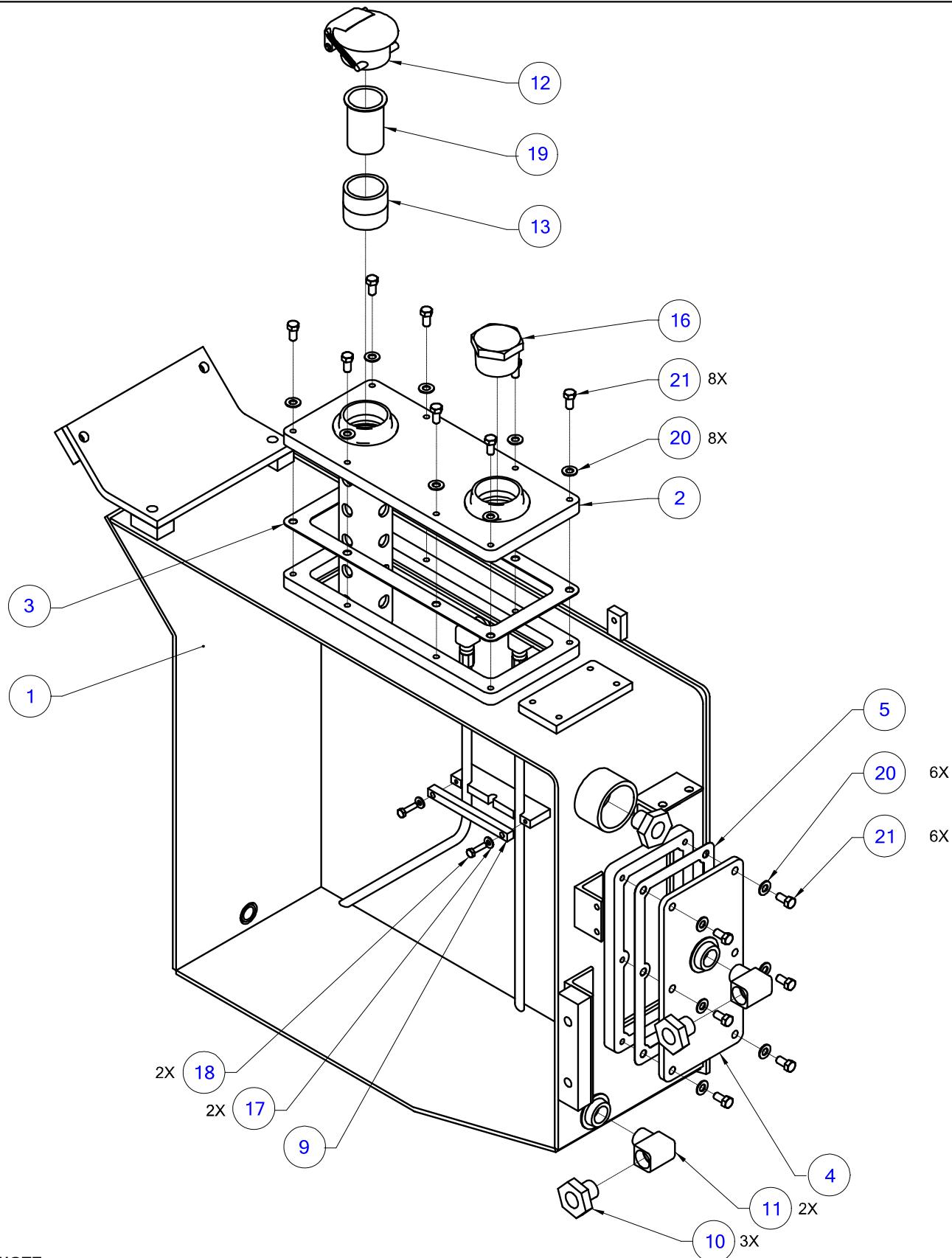
Item No.	Part Number	Part Name	Qty.
1	R802126	WELDT, ENGINE COVER, CENTER	1
2	R001888-001	FRONT HOOD WELD'T	1
3	R800821	TAPPED BLOCK	6
4	R026673-001	REAR HOODS ASSY LT-270	1
5	R040702-001	HOOD FASTENER - 5.875 IN, STEM-DOWN	5
6	R100665	HHCS - 0.375-16NCx0.75,G8,FT,CZ	6
7	R100195	HHCS - 0.25-20NCx0.75,G5,FT,CZ	15
8	R800493	NUT, HEX - 0.25-20NC,G8,CZ	10
9	R106473	WASHER, FLAT - N,0.375,0.063T,300HV,L9,CZ	11
10	R100157	HHCS - 0.375-16NCx1,G8,FT,PL	5

REAR HOODS ASSY LT-270

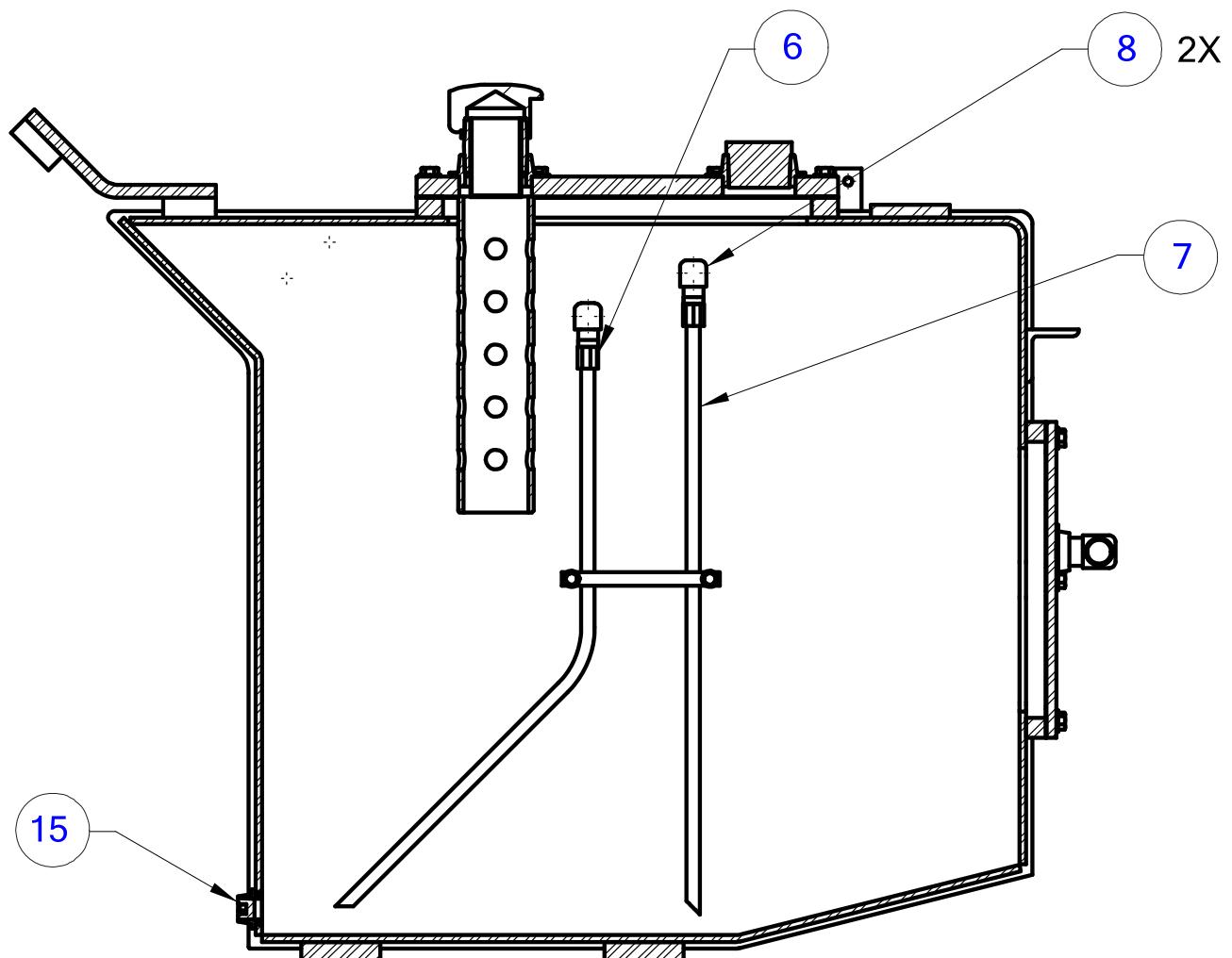
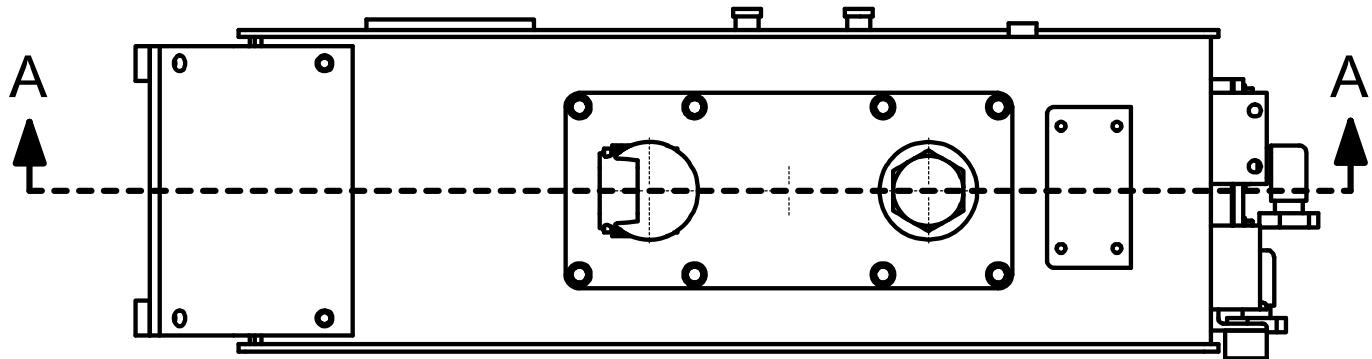
Item No.	Part Number	Part Name	Qty.
1	R026662-001	SUPPORT FRAME	1
2	R026672-001	COVER - RH	1
3	R026671-001	COVER - LH	1
4	R026678-001	SUPPORT ROD	2
5	R115940	COTTER PIN	4
6	R105992	WASHER, FLAT - N,0.5,0.094T,300HV,L9,CZ	8

INST'L, FUEL TANK, LT-270

Item No.	Part Number	Part Name	Qty.
1	R602006	FUEL TANK ASS'Y	1
2	R105992	WASHER, FLAT - N,0.5,0.094T,300HV,L9,CZ	4
3	R103572	HHCS - 0.5-13NCx1.25,G8,FT,CZ	4
4	R102317	WASHER, FLAT - R,0.625,0.094T,300HV,L9,CZ	2
5	R104711	HHCS - 0.625-11NC X 1.000 GR8	2
7	R604020-002	UPPER TANK MOUNT	1

ASSY, FUEL TANK**NOTE:**

PIECE PART ITEM 1 NOT SHOWN FOR CLARITY

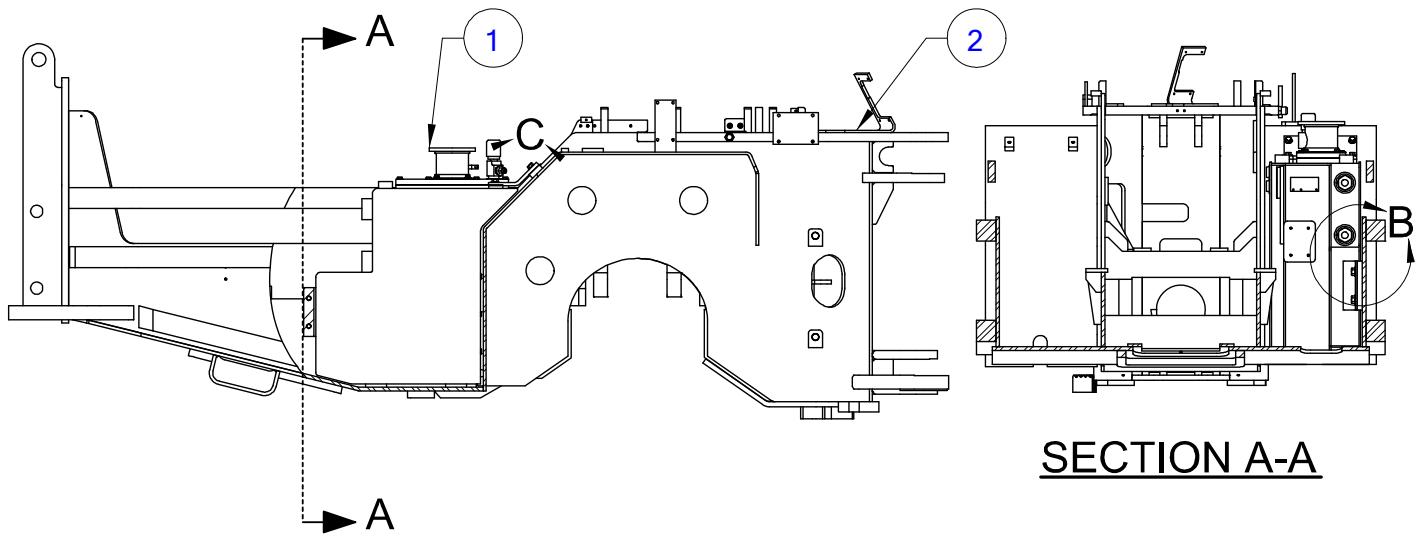
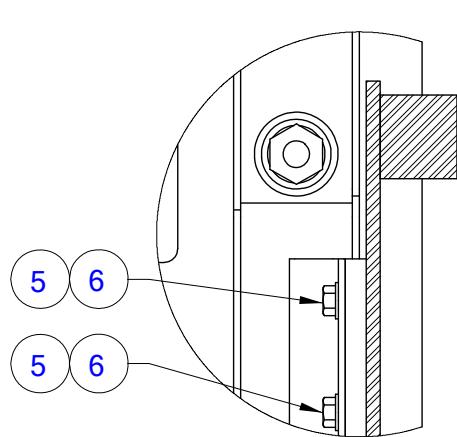
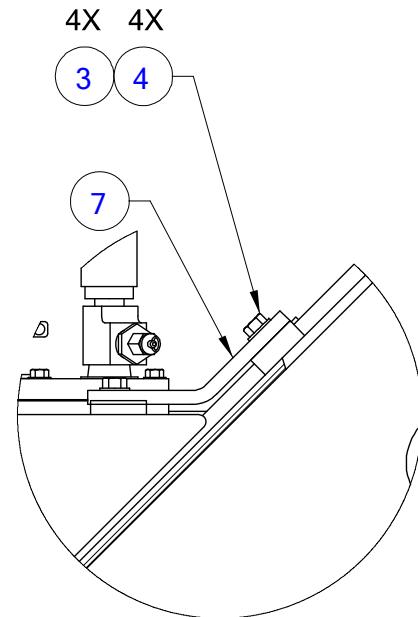
ASSY, FUEL TANK

SECTION A-A
SCALE 1 / 8

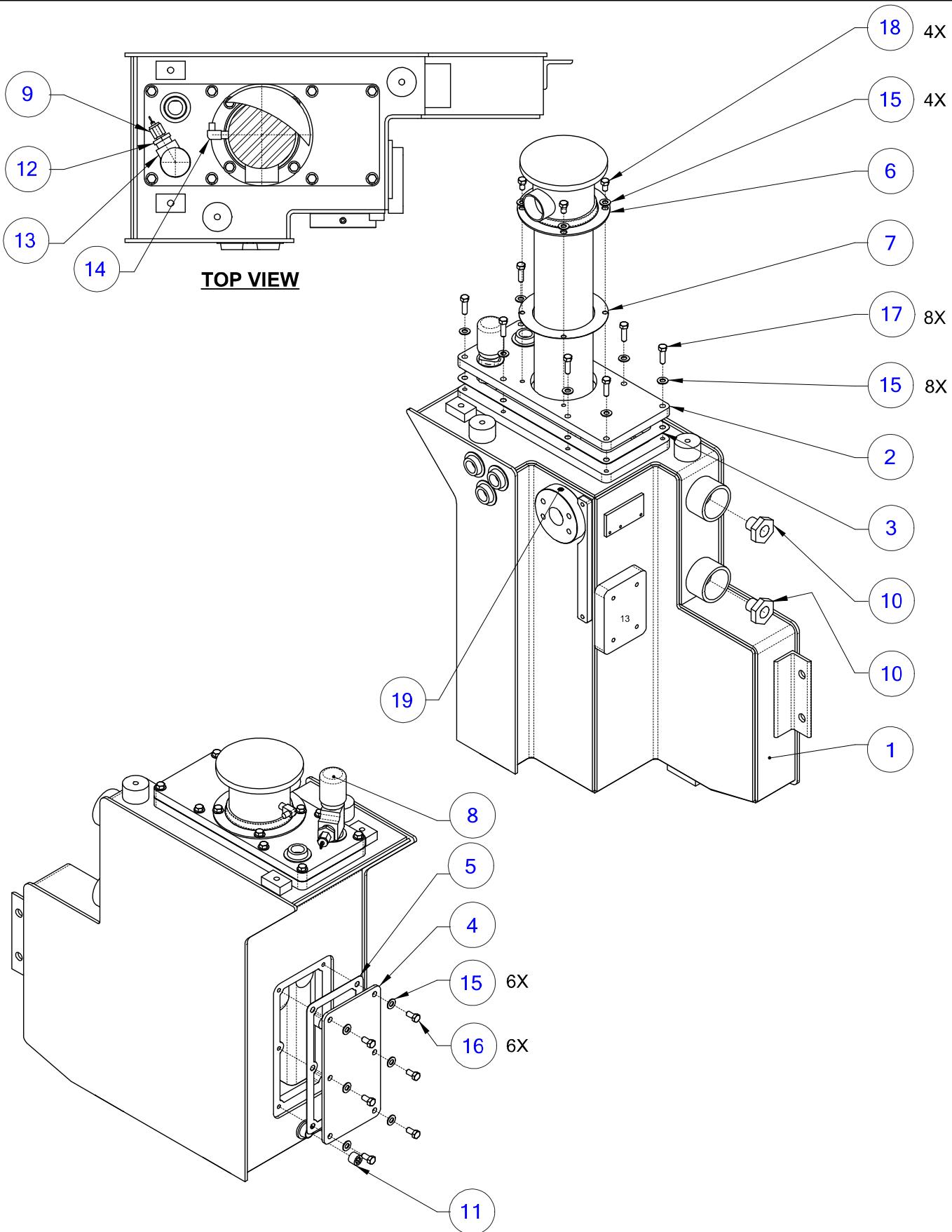
Item No.	Part Number	Part Name	Qty.
1	R602007	FUEL TANK	1
2	R602012	UPPER COVER	1
3	R604023	UPPER COVER GASKET	1
4	R602014	FRONT COVER	1
5	R303316	GASKET	1
6	R602016	RETURN TUBE ASS'Y	1
7	R602018	SUCTION TUBE ASS'Y	1
8	R100301	ELBOW - 90,#6NPT,M,#8JIC,M	2
9	R3K1887	MANIFOLD PLATE - FuelTank Suction	1
10	R391333-2	SIGHT GLASS - 3/4" NPT	3
11	R100637	ELBOW - 90,#12NPT,M,#12NPT,F	2
12	R391048-2	FILLER CAP, SNAP ACTION	1
13	R100325	CLOSE NIPPLE - 2" NPT, SCH 80	1
15	R391138-1	MAGNETIC DRAIN PLUG - 1/2" NPT	1
16	R800432	PLUG	1
17	R128617	WASHER, FLAT - N,0.25,0.063T,300HV,G9,CZ	2
18	R800433	HHCS - 0.25-20NCx1,G8,FT,CZ	2
19	R391048-4	STRAINER BASKET, BRONZE - 3"	1
20	R106473	WASHER, FLAT - N,0.375,0.063T,300HV,L9,CZ	14
21	R100665	HHCS - 0.375-16NCx0.75,G8,FT,CZ	14

INSTL'N, HYD. TANK, LT-270

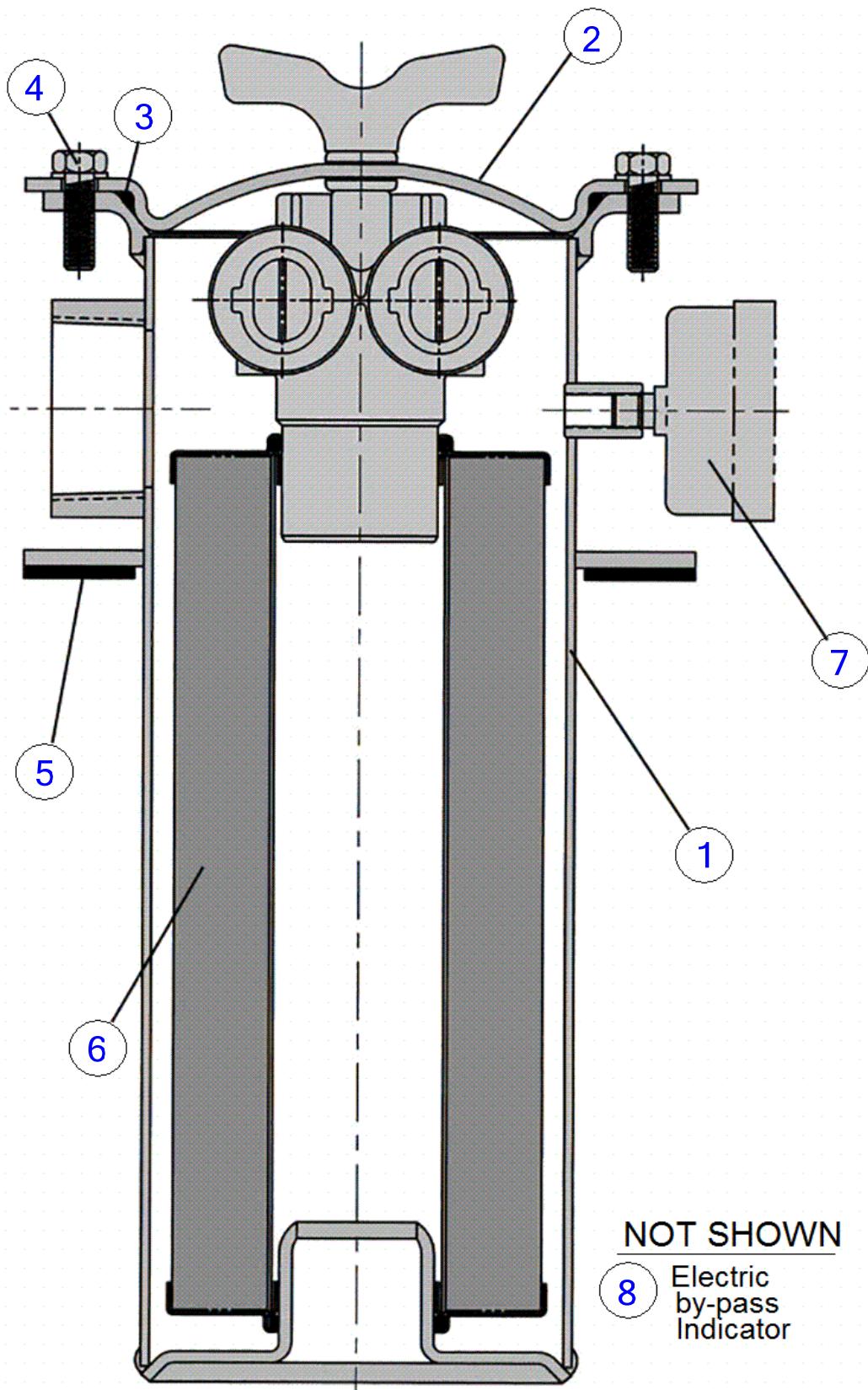
BREAK OUT TO SHOW TANK LOCATION

**SECTION A-A****DETAIL B**
SCALE 1 / 6**DETAIL C**
SCALE 1 / 6

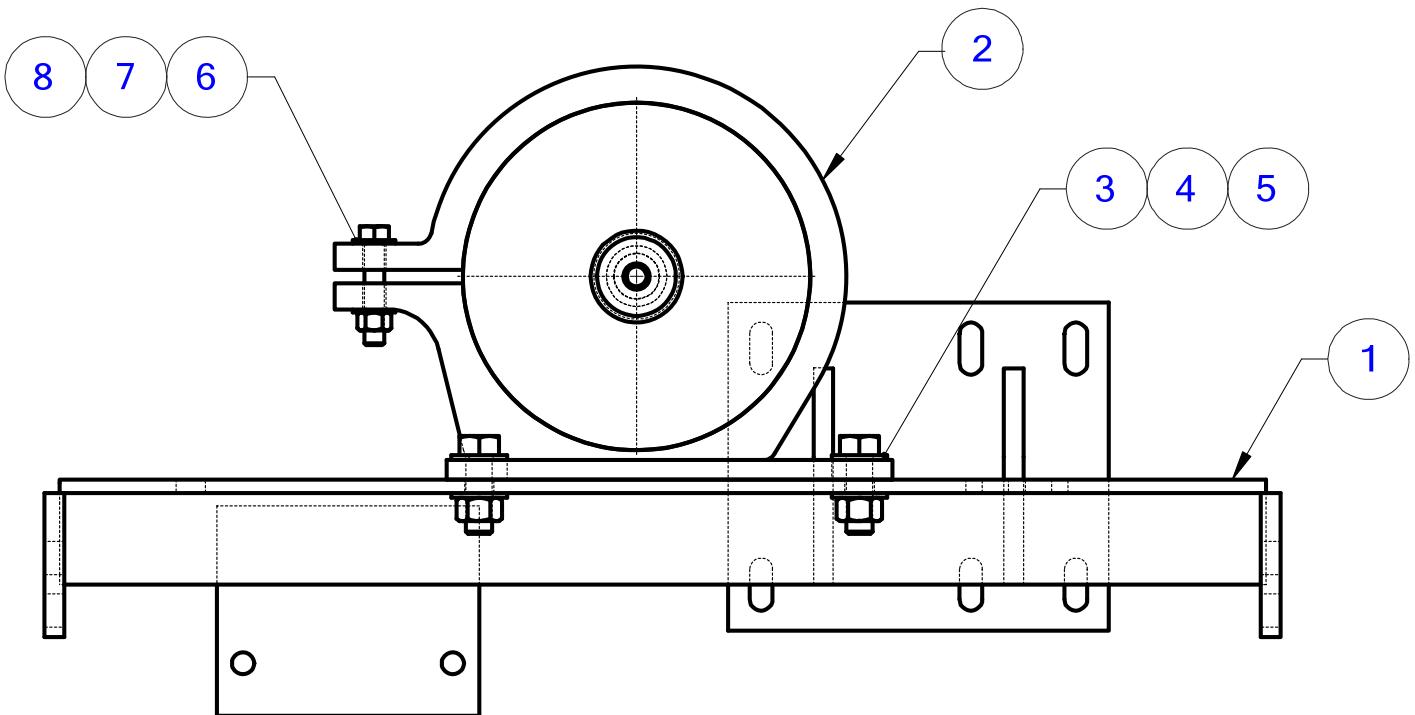
Item No.	Part Number	Part Name	Qty.
1	R801120	HYDRAULIC TANK ASS'Y	1
2	RH009020	REAR FRAME	REF.
3	R105992	WASHER, FLAT - N,0.5,0.094T,300HV,L9,CZ	4
4	R103572	HHCS - 0.5-13NCx1.25,G8,FT,CZ	4
5	R102317	WASHER, FLAT - R,0.625,0.094T,300HV,L9,CZ	2
6	R104711	HHCS - 0.625-11NC X 1.000 GR8	2
7	R604020-003	MOUNT, UPPER, HYD. TANK	1

ASSY, HYDRAULIC TANK

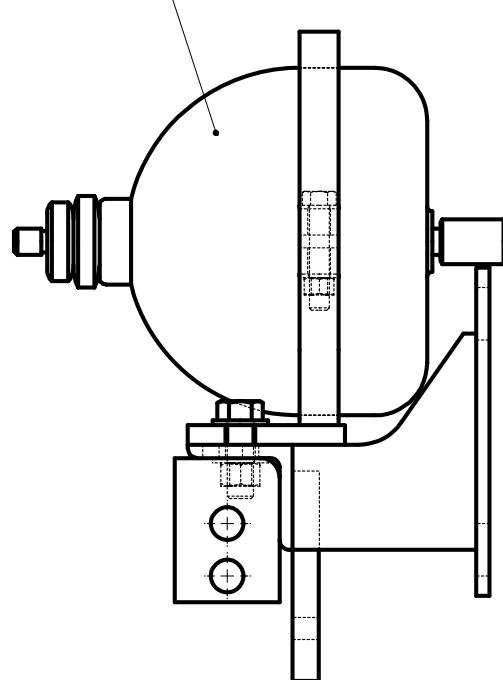
Item No.	Part Number	Part Name	Qty.
1	R801121	HYDRAULIC TANK	1
2	R800720	UPPER COVER	1
3	R800796	UPPER COVER GASKET	1
4	R3W4113	COVER	1
5	R303316	GASKET	1
6	RH032736	RETURN FILTER, GAUGE IND HYD	1
7	R304201	GASKET - RETURN FILTER	1
8	R391093-1	TANK BREATHER - HYD	1
9	R391422-1	VALVE, PRESSURE RELIEF	1
10	R391333-2	SIGHT GLASS - 3/4" NPT	2
11	R391138-1	MAGNETIC DRAIN PLUG - 1/2" NPT	1
12	R100318	REDUCER - ST,#12NPT,M,#4NPT,F	1
13	R106628	TEE,#12NPT,M,#12NPT,F,RUN	1
14	R112294	ELBOW,90,#2NPT,M,#2NPT,F	1
15	RH012781	WASHER,FLAT,N,0.375,0.063T,300HV,L9,CZ	18
16	R100665	HHCS - 0.375-16NCx0.75,G8,FT,CZ	6
17	R106473	WASHER, FLAT - N,0.375,0.063T,300HV,L9,CZ	8
18	R102629	HHCS - 0.375-16NCx0.625,G8,FT,CZ	4
19	R102200	PIPE PLUG - 1/8" NPT	1

RETURN FILTER,GAUGE IND HYD**NOT SHOWN****8** Electric
by-pass
Indicator

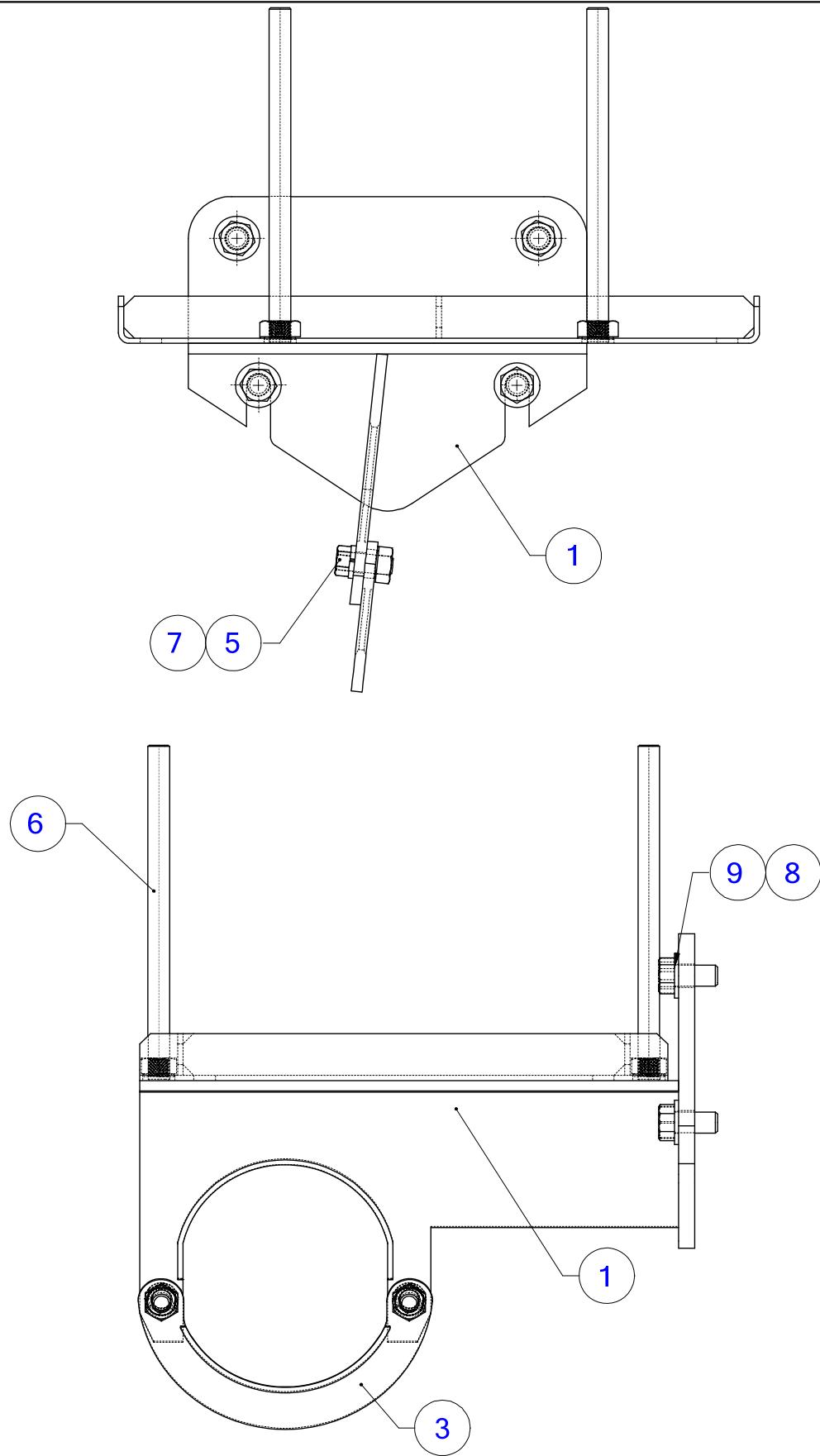
Item No.	Part Number	Part Name	Qty.
1		ASSY, BOWL	1
2	R018928-001	ASSY, COVER	1
3	R391005-79	O-RING	1
4	R021790-010	CAP SCREW, HEX HEAD	6
5	R391005-95	GASKET	1
6	R391005-93	ELEMENT	1
7		GAUGE, PRESSURE - OPTIONAL	1
8	R391005-81	ELECTRIC BY-PASS INDICATOR	1

ASSY, ACCUMULATOR/FILTER MOUNT

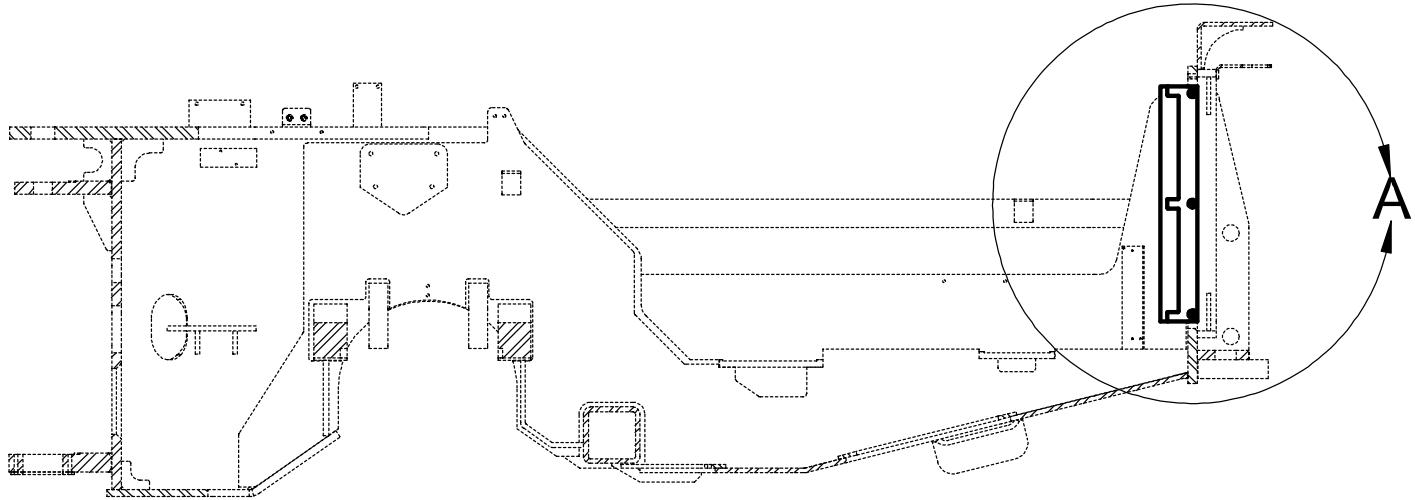
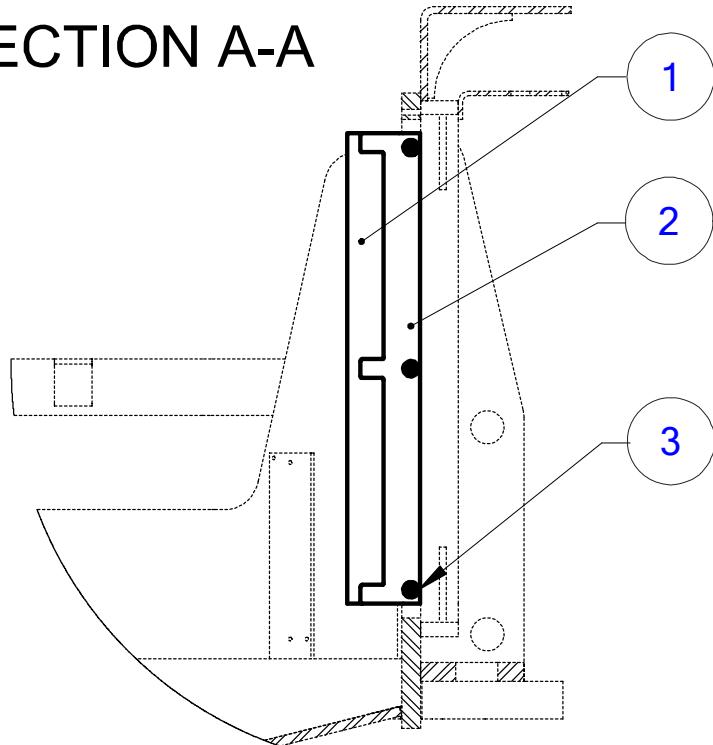
1L ACCUMULATOR BOTTLE



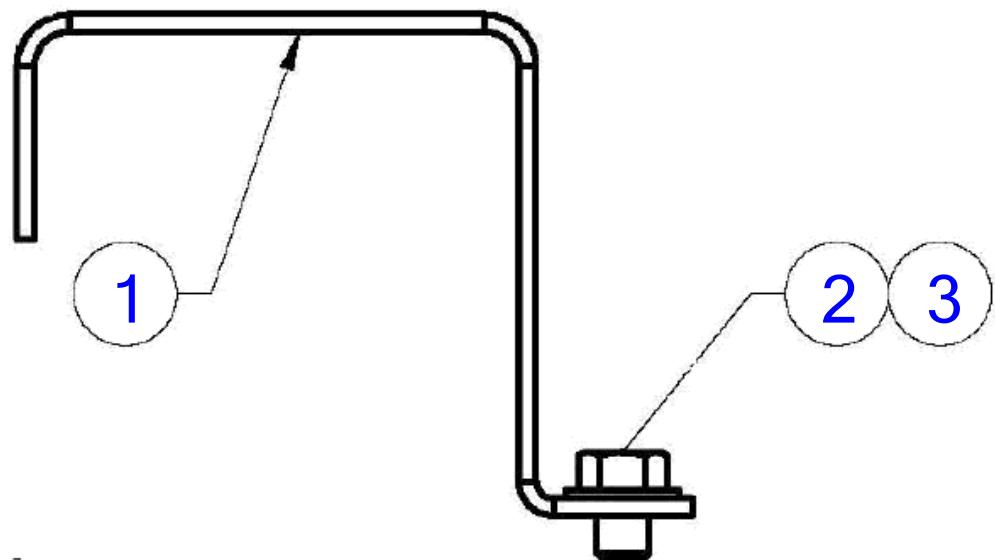
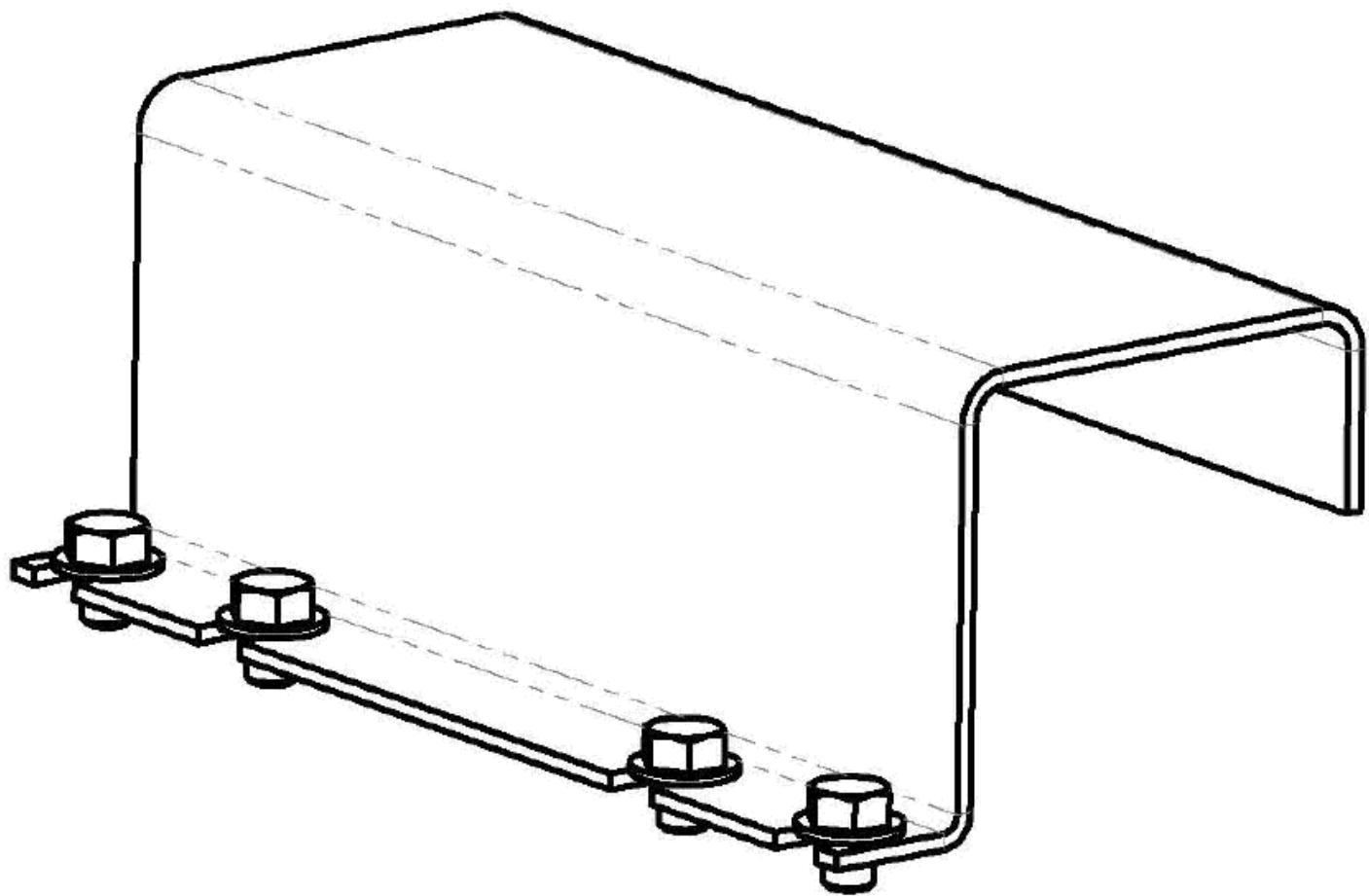
Item No.	Part Number	Part Name	Qty.
1	R040652-002	MOUNT	1
2	R013529-001	ACCUMULATOR BRACKET	1
3	R105992	WASHER, FLAT - N,0.5,0.094T,300HV,L9,CZ	4
4	R103570	HHCS - 0.5-13NCx1.5,G8,FT,CZ	2
5	R104199	NUT, HEX - HIGH,0.5-13NC,G8,CZ	2
6	R106473	WASHER, FLAT - N,0.375,0.063T,300HV,L9,CZ	2
7	R115936	HHCS - 0.375-16NCx2,G8,FT,CZ	1
8	R115938	NUT - 0.375-16NC,G8,CZ	1

DRIVELINE GUARD ASS'Y

Item No.	Part Number	Part Name	Qty.
1	R033042-001	DRIVELINE GUARD	1
3	R033044-001	JAW PLATE	1
5	R125570	BOLT - HHCS 0.438-14NCX1	2
6	R803228	THREADED ROD - 8 1/4" LG	4
7	R101365	LOCKWASHER - 7/16"	2
8	R103573	HHCS - 0.5-13NCx1,G8,FT,CZ	4
9	R105992	WASHER, FLAT - N,0.5,0.094T,300HV,L9,CZ	4

INSTLN, RUBBER RAD SHROUD**SECTION A-A****DETAIL A**
SCALE 1 / 12

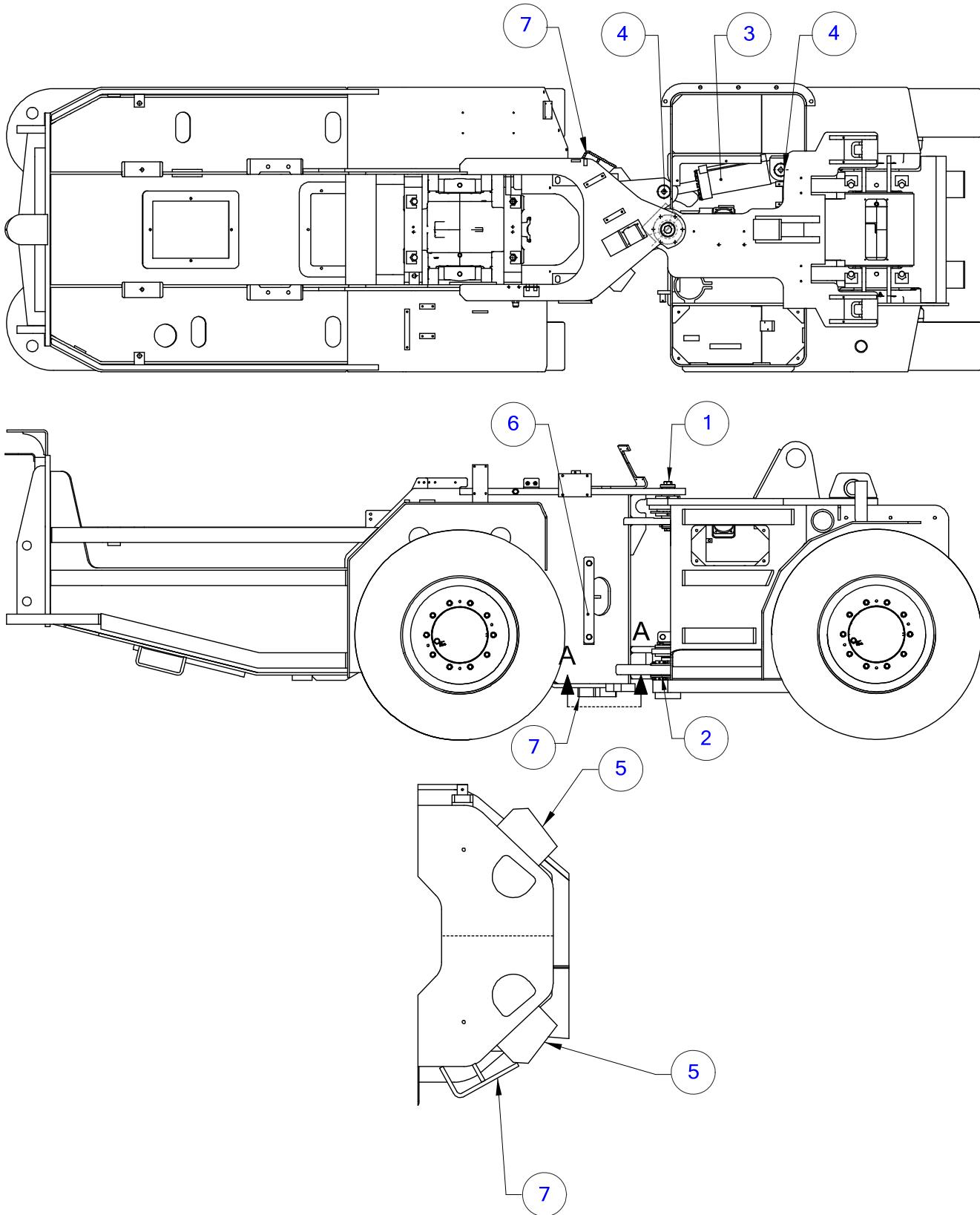
Item No.	Part Number	Part Name	Qty.
1	R033060-001	SHROUD - RAD	2
2	R033061-001	MOUNT	2
3	R106473	WASHER, FLAT - N,0.375,0.063T,300HV,L9,CZ	6
4	R115938	NUT - 0.375-16NC,G8,CZ	6

ASSY, COVER, FSS

21-4895: LT-270 - MINERO DIESEL

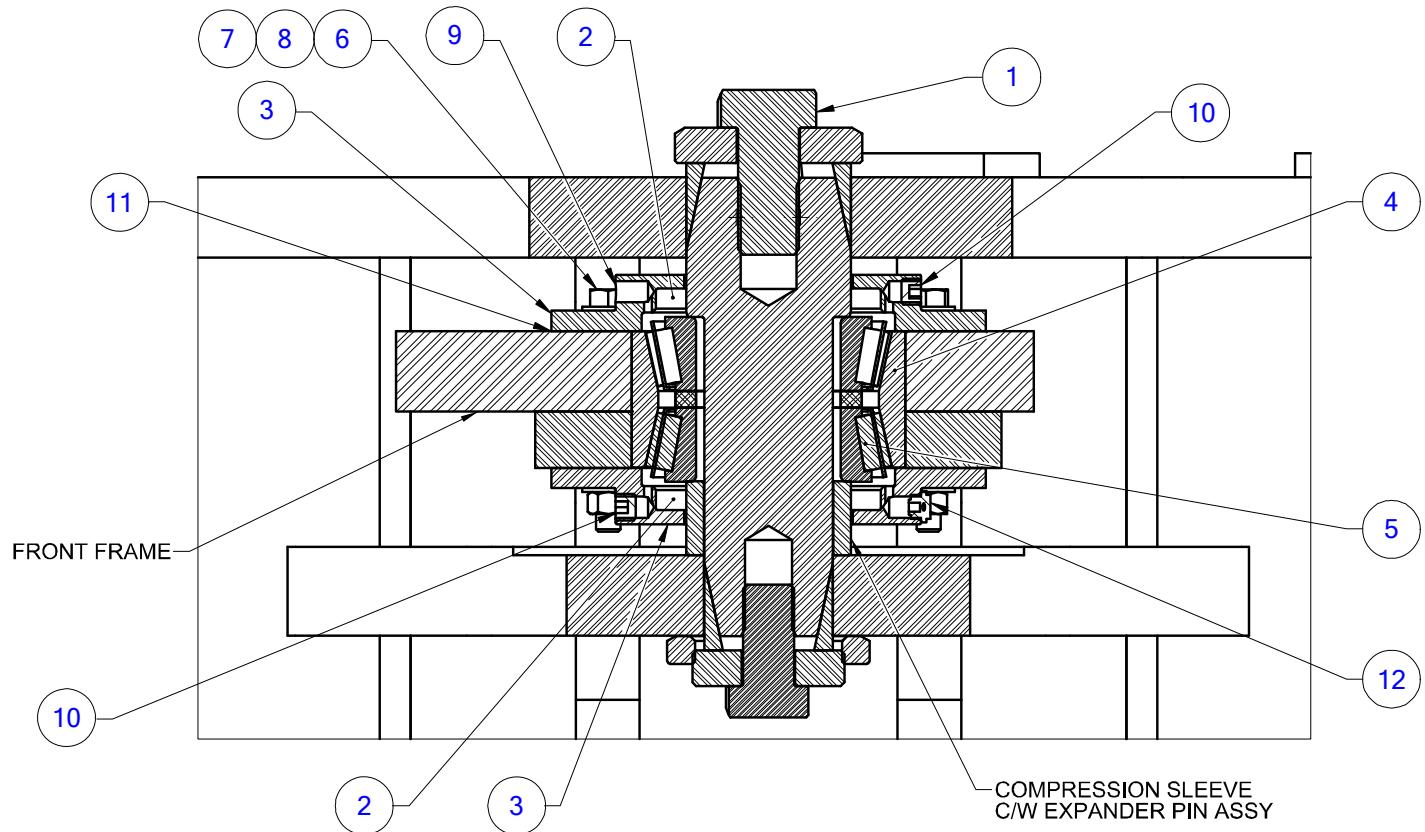


Item No.	Part Number	Part Name	Qty.
1	R032208-001	COVER PLATE	1
2	R101142	HHCS - 0.375-16NCx0.5,G8,FT,CZ	4
3	R106473	WASHER, FLAT - N,0.375,0.063T,300HV,L9,CZ	4

ASSY, LT-270 132 AXLE ARTICULATION

SECTION A-A
SCALE 1 / 12

Item No.	Part Number	Part Name	Qty.
1	R006302-002	INSTLN, PIN, UPPER ARTIC, LT-270	1
2	R006301-001	ASSY PIN LOWER ART. LT-270	1
3	R391329-82	STEER CYLINDER	1
4	R006303-001	STEER PIN INSTL'N	2
5	R026371-001	STEER STOP BLOCK	2
6	R801549	LOCKING BAR	1
7	R802471	PLATE	1

INSTLN, PIN, UPPER ARTIC, LT-270

*NOTE:

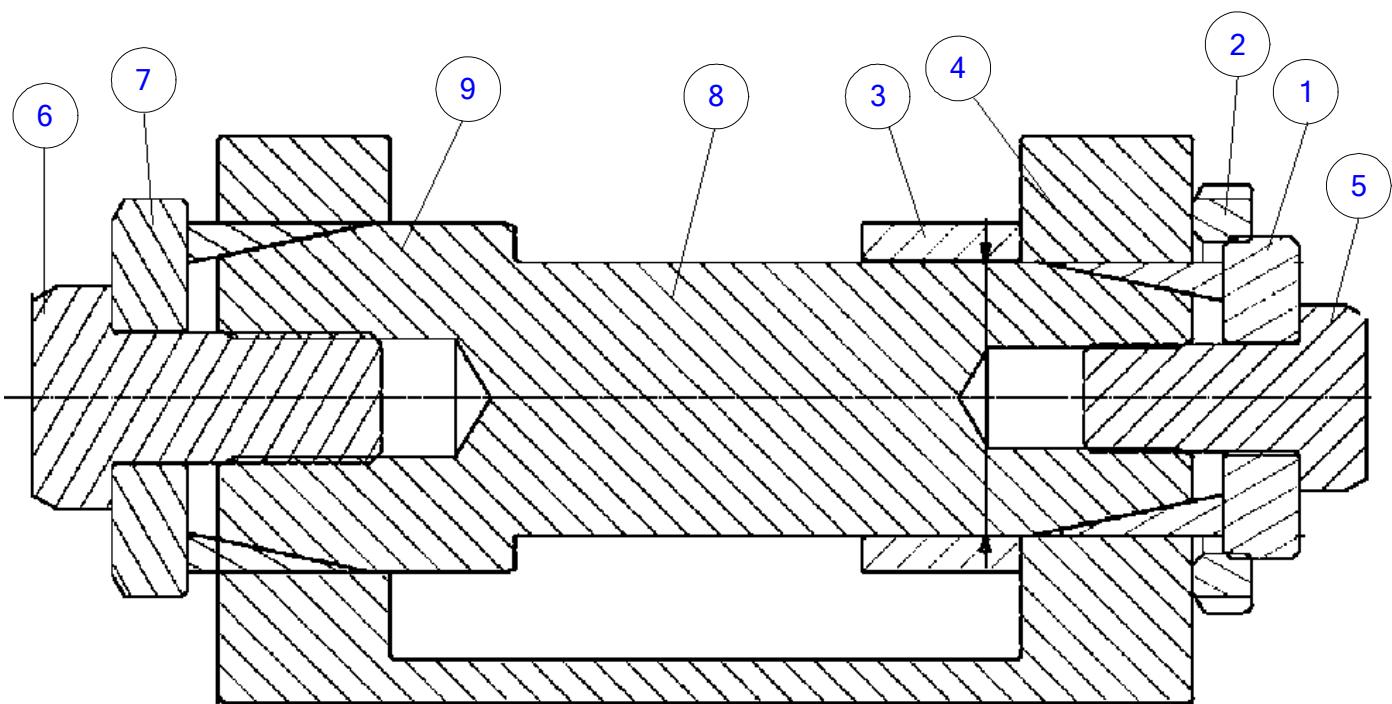
\	OPERATOR'S SIDE	OPPOSITE SIDE
UPPER CAP	PLUG #12	GREASE FITTING #9
LOWER CAP	GREASE RELIEF #10	PLUG #12

ONE SPACER IS ISSUED. IF MORE IS NEEDED USE STOCK.

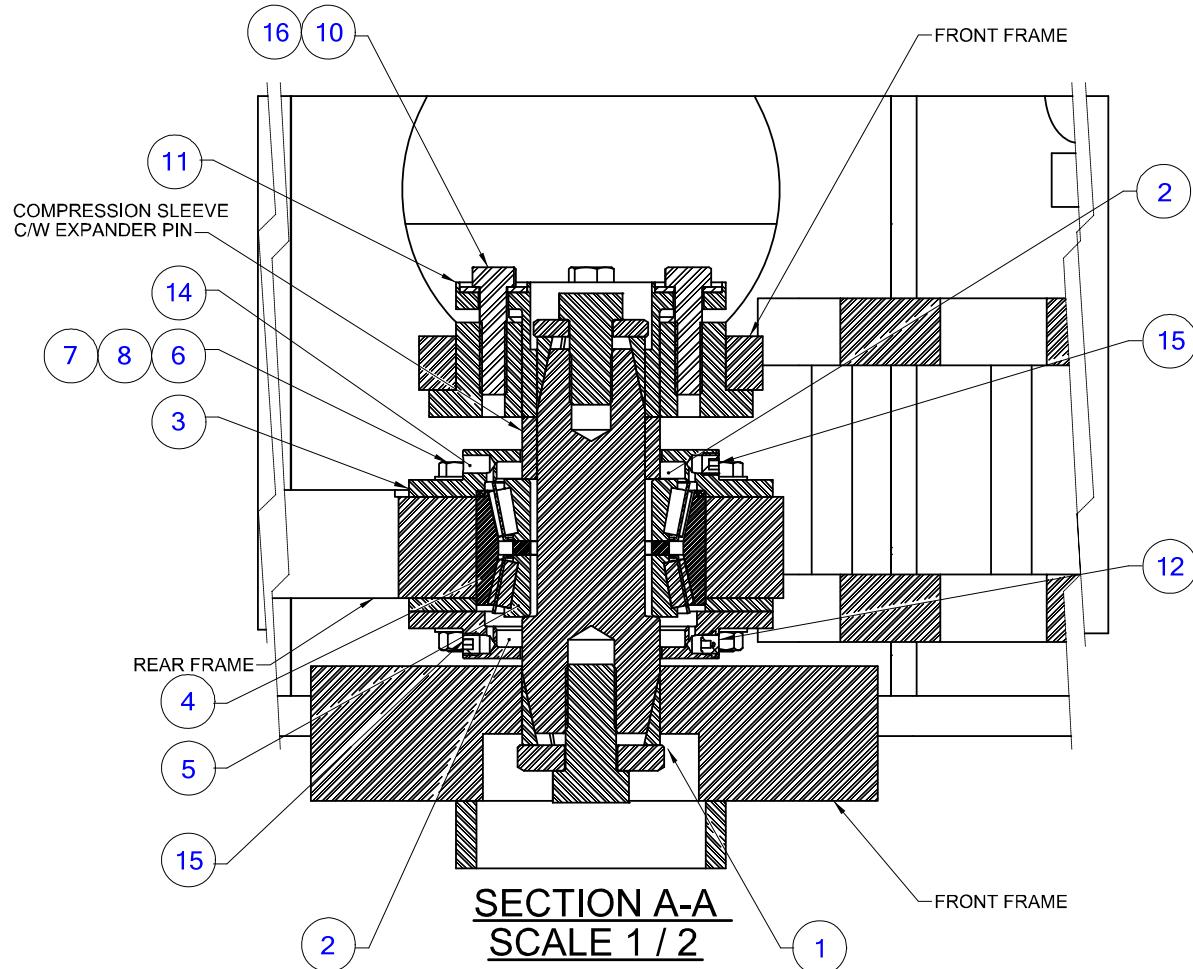
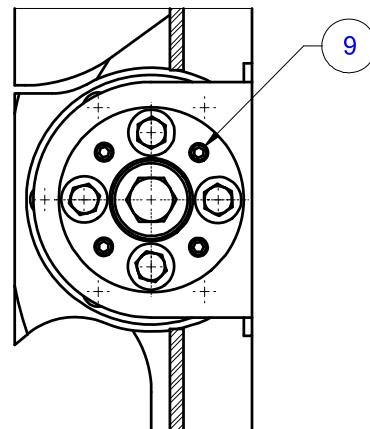
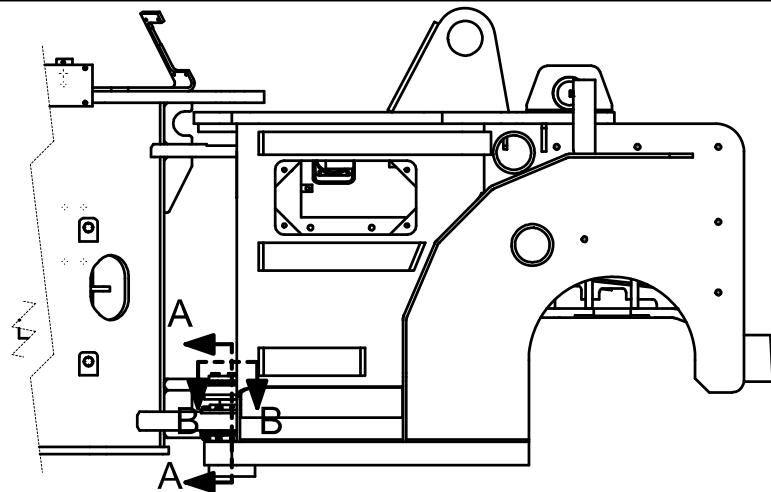
INSTLN, PIN, UPPER ARTIC, LT-270**MIDHSIP ASSEMBLY PROCEDURE**

1. AFTER FREEZING, INSTALL DOUBLE BEARING CUP (ITEM# 4) IN CENTER LUG OF FRONT FRAME, BRINGING BEARING CUP FLUSH TO BOTTOM OF FRONT FRAME CENTER LUG. MEASURE THE GAP FROM THE TOP OF THE BEARING CUP TO THE FACE OF CENTER LUG. SELECT A SHIM THAT IS THE SAME SIZE AS YOU MEASURED.
2. INSTALL BEARING CONE (ITEM # 5) INTO TOP HALF OF BEARING CUP. INSTALL GREASE SEALS(ITEM #2) INTO THE RETAINER CAPS(ITEM #3). INSTALL SHIM ITEM #11 (IF REQUIRED) ON TOP OF CENTER LUG. INSTALL BOTTOM BEARING CONE, RETAINER CAPS (ITEM #3) WITH SEAL & APPLY LOCTITE 243 TO BOLTS (ITEM #6) AND TORQUE 24 FT/LBS.
3. INSTALL COMPRESSION SLEEVE IN BOTTOM RETAINER CAP OF FRONT FRAME.
4. MARRY FRAMES TOGETHER LINING UP TOP & BOTTOM BORES. USING 3-5% MOLYBDENUM DISULFIE GREASE I.E. GRAPHITE GREASE, ANTI-SEIZE, GREASE THE SLEEVES AND AXLE OF THE PIN. DO NOT GREASE THE THREADS.
5. INSERT THE STEP PIN THROUGH THE LUG ON THE STEP SIDE OF THE JOINT. UNSCEW THE SPANNER NUT HALFWAY DOWN THE WASHER. INSTALL THE WASHER, SPANNER NUT AND BOLT ON THE NON-STEP SIDE, LEAVING A GAP BETWEEN THE WASHER AND THE PIN. TORQUE THE BOLT AS SPECIFIED TO PULL THE PIN INTO POSITION.
6. THE STEP PIN SHOULD NOW BE WITHIN .08 INCH (2 MM) OF FLUSH TO THE LUG. INSTALL THE TOP EXPANSION SLEEVE, WASHER AND BOLT. TORQUE THE BOLT TO 369LB-FT.
7. ON THE NON-STEP SIDE, REMOVE THE SPANNER NUT, BOLT AND THREADED WASHER. INSTALL THE EXPANSION SLEEVE, THREADED WASHER AND BOLT. TORQUE TO 258LB-FT. RE-INSTALL SPANNER NUT WITH 243 LOCTITE AND TORQUE TO 37 LB-FT.
8. INSTALL A DIAL INDICATOR AND LIFT FRONT FRAME AND CHECK TO SEE HOW PLAY IS IN THE BEARING. BEARING PLAY SHOULD BE WITHIN 0.001 & 0.005 THOUSAND. IF THIS IS NOT ACHIEVED DISASSEMBLE AND REASSEMBLE AGAIN.
9. AFTER INITIAL TORQUE MOVE MACHINE THROUGH FULL RANGE OF MOTION SEVERAL TIMES AND RECHECK TORQUE. CHECK THE TORQUE AFTER 10 HRS, 40 HRS AND AT REGULAR SERVICE INTERVALS.
10. AFTER THE EXPANDER PIN IS TORQUED THE TENSION WASHER SHOULD NOT COME IN CONTACT WITH THE PIVOT LUGS. IF THE WASHER TOUCHES THE LUG CONTACT YOUR DEALER.

Item No.	Part Number	Part Name	Qty.
1	R039300-001	PIN, EXPANDER	1
2	R391491-1	DOUBLE LIP SEAL	2
3	R601014	RETAINER RING	2
4	R391191-21	CUP	1
5	R391191-20	CONE	2
6	R125567	BOLT	6
7	R104852	LOCKNUT - 0.375-16NC GRC STOVER	6
8	R106473	WASHER, FLAT - N,0.375,0.063T,300HV,L9,CZ	12
9	R391117-5	GREASE FITTING - 1/8-27 NPT	1
10	R102200	PIPE PLUG - 1/8" NPT	2
11	R802435	SPACER	1
12	R391029-20	FITTING, GREASE RELIEF - 7.5-15 PSI	1

PIN, EXPANDER

Item No.	Part Number	Part Name	Qty.
1	R039300-100	WASHER	1
2	R039300-101	AXIAL LOCKING NUT	1
3	R391447-174	SPACER	1
4	R014914-005	SLEEVE	1
5	R014634-008	BOLT	1
6	R391447-106	BOLT - M24X2	1
7	R014915-105	WASHER	1
8	R391447-171	AXLE	1
9	R391447-172	SLEEVE	1

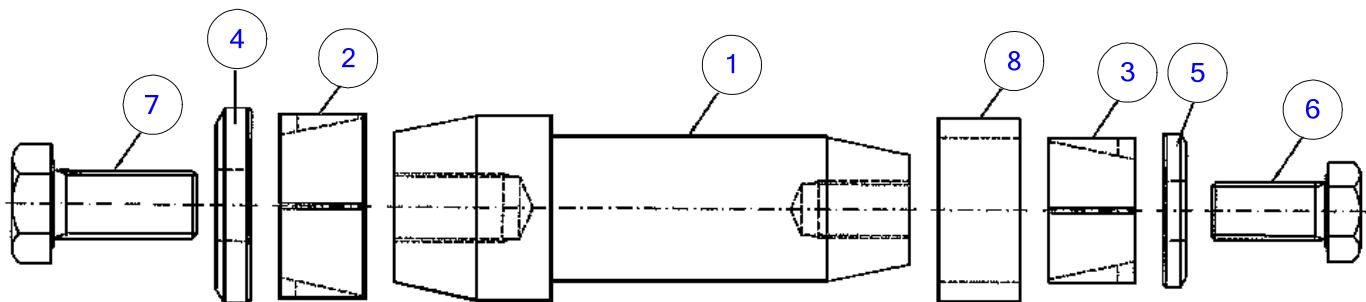
ASSY PIN LOWER ART. LT-270NOTE:

\	OPERATOR'S SIDE	OPPOSITE SIDE
UPPER CAP	PLUG #15	GREASE FITTING #14
LOWER CAP	GREASE RELIEF #12	PLUG #15

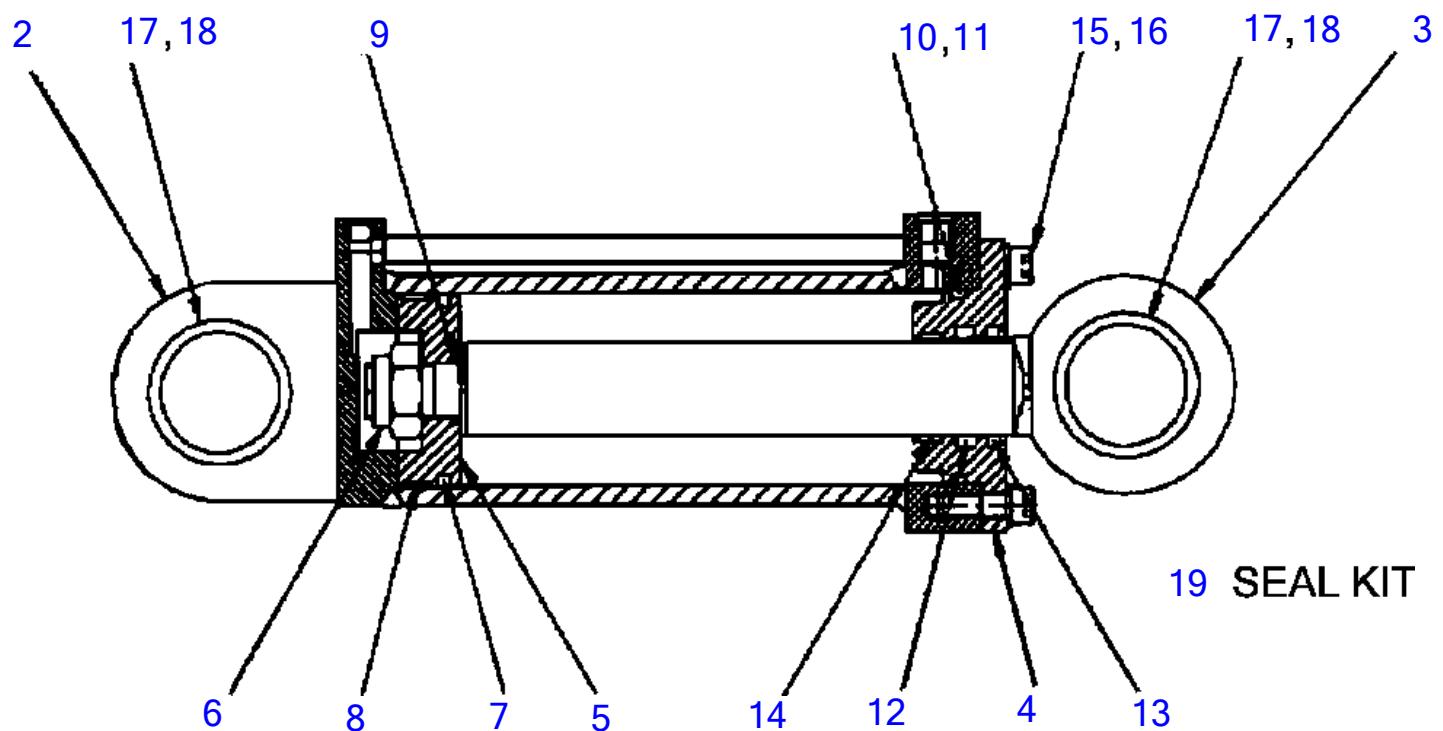
ASSY PIN LOWER ART. LT-270**MIDSHIP ASSEMBLY PROCEDURE**

1. AFTER FREEZING, INSTALL DOUBLE BEARING CUP (ITEM #4) IN CENTER LUG OF REAR FRAME, BRINGING BEARING CUP FLUSH TO BOTTOM OF REAR FRAME CENTER LUG. MEASURE THE GAP FROM THE TOP OF THE BEARING CUP TO THE FACE OF CENTER LUG. SELECT A SHIM (ITEM #13) THAT IS THE SAME SIZE AS YOU MEASURED.
2. INSTALL BEARING CONE (ITEM #5) INTO TOP HALF OF BEARING CUP. INSTALL GREASE SEALS (ITEM #2) INTO THE RETAINER CAPS (ITEM #3). INSTALL SHIM (IF REQUIRED) ON TOP OF CENTER LUG.
INSTALL BOTTOM BEARING CONE (ITEM#5) INTO HALF OF BEARING CUP. INSTALL GREASE SEALS (ITEM #2) INTO THE RETAINER CAPS (ITEM #3). INSTALL SHIM (IF REQUIRED) ON TOP OF CENTER LUG.
INSTALL BOTTOM BEARING CONE (ITEM #5), RETAINER CAPS (ITEM #3) WITH SEAL & APPLY LOCTITE 243 TO BOLTS (ITEM #6) AND TORQUE 24 FT/LBS.
3. INSTALL COMPRESSION SLEEVE IN TOP RETAINER CAP OF FRONT FRAME UPPER LUG.
4. MARRY FRAMES TOGETHER LINING UP TOP & BOTTOM BORES. INSTALL BOTTOM PIN AND COLLET. INSTALL BOLT AND WASHER USING NEVER SEIZE, HAND TIGHTEN THE BOLT TO HOLD PIN IN PLACE TO PREVENT FALLING OUT.
5. USING A RUBBER HAMMER, HIT BOTTOM PIN BOLT TO ENSURE FULL CONTACT IS MADE BETWEEN PIN AND BEARING. TORQUE BOLT ITEM #1 TO 370 FT-LBS.
INSTALL TOP BUSHING (ITEM #11) AND TORQUE BOLTS (ITEM #10) TO 24 FT-LBS.
THIS MUST BE DONE 2 OR 3 TIMES TO REACH THE FULL 25 FT-LBS. INSTALL SET SCREWS (ITEM #9) C/W LOCTITE AND TORQUE TO 30 FT-LBS.
6. INSTALL UPPER COLLET, BOLT & WASHER. TORQUE BOLT TO 295 FT-LBS.
INSTALL DIAL INDICATOR AND LIFT FRONT FRAME. CHECK TO SEE HOW MUCH PLAY IS IN THE BEARINGS, IT SHOULD BE 0.001 TO 0.011 THOUSAND PLAY. IF THIS IS NOT ACHIEVED DISASSEMBLE AND REASSEMBLE.

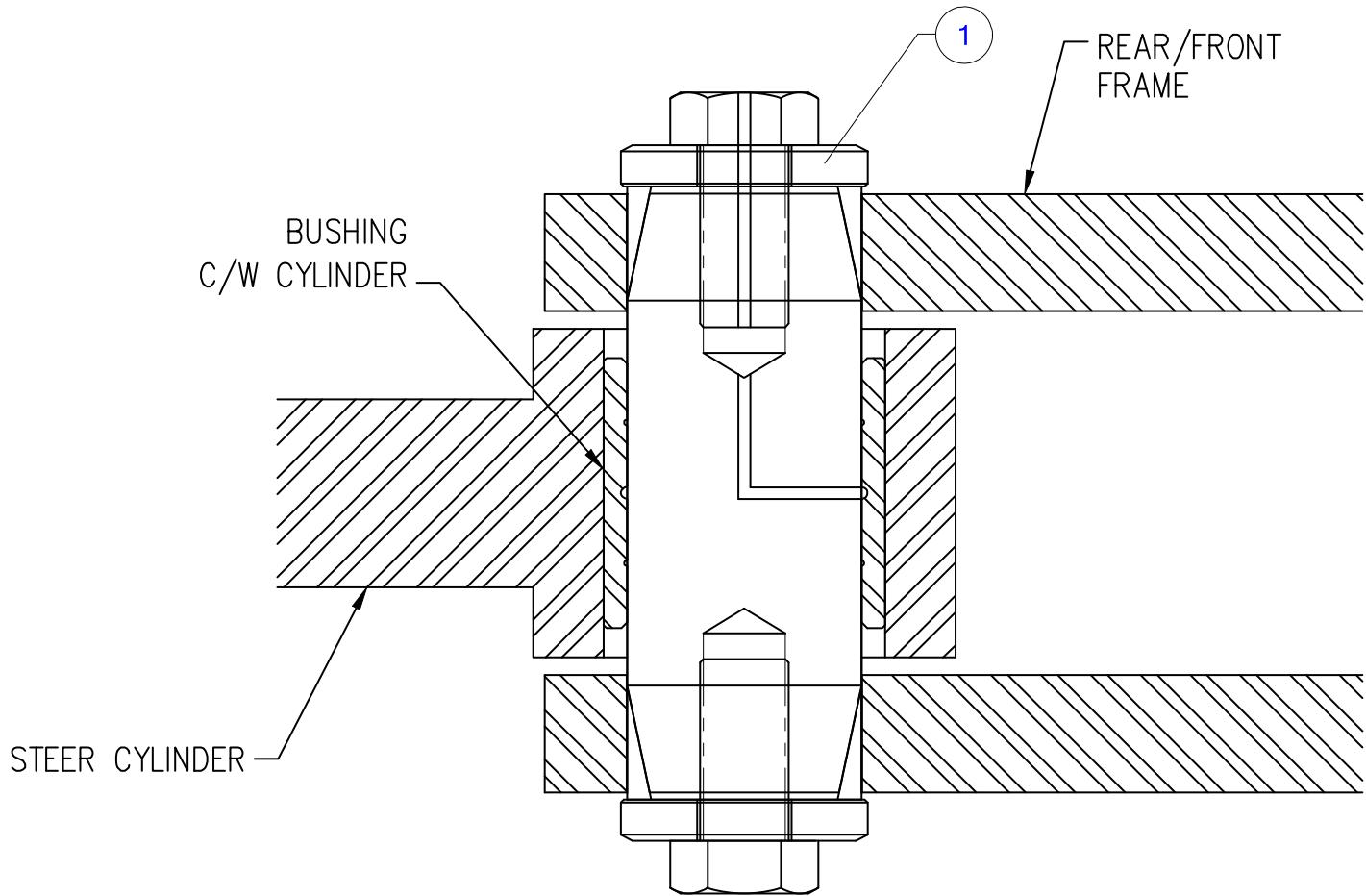
Item No.	Part Number	Part Name	Qty.
1	R391447-170	ASSY, EXPANDER PIN UPPER ARTIC	1
2	R391491-1	DOUBLE LIP SEAL	2
3	R601014	RETAINER RING	2
4	R391191-21	CUP	1
5	R391191-20	CONE	2
6	R125549	BOLT - 3/8-16UNC x 3 1/2"LG	6
7	R104852	LOCKNUT - 0.375-16NC GRC STOVER	6
8	RH012781	WASHER, FLAT - N,0.375,0.063T,300HV,L9,CZ	12
9	RH012445	SETSCREW - 0.5-13NC x 0.75, GR8	4
10	R109491	HHCS - 0.5-13NCx2,G8,PT,CZ	4
11	R802106	BUSHING - LOWER ARTICULATION	1
12	R391029-20	FITTING, GREASE RELIEF - 7.5-15 PSI	1
13	R802435	SPACER	1
14	R391117-5	GREASE FITTING - 1/8-27 NPT	1
15	R102200	PIPE PLUG - 1/8" NPT	2
16	R100833	FLATWASHER - 1/2"	4

ASSY, EXPANDER PIN UPPER ARTIC

Item No.	Part Number	Part Name	Qty.
1	R391447-171	AXLE	1
2	R391447-172	SLEEVE	1
3	R014914-005	SLEEVE	1
4	R391447-173	WASHER	1
5	R014910-003	WASHER	1
6	R391447-106	BOLT - M24X2	1
7	R014634-008	BOLT	1
8	R391447-174	SPACER	1

STEER CYLINDER

Item No.	Part Number	Part Name	Qty.
2	R039546-001	BARREL	1
3	R011235-001	ROD	1
4	R025751-102	GLAND	1
5	R025751-103	PISTON	1
6	R205151-001	STEM NUT	1
7		SEAL	1
		Items included in seal kit	
8		SEAL	1
		Items included in seal kit	
9		SEAL	1
		Items included in seal kit	
10		SEAL	1
		Items included in seal kit	
11		SEAL	1
		Items included in seal kit	
12		SEAL	1
		Items included in seal kit	
13		SEAL	1
		Items included in seal kit	
14		SEAL	1
		Items included in seal kit	
15		HHCS - GRD8 1/2x1 1/2NC	12
16	R007617-001	WASHER	12
17	R601081	BUSHING	2
18	R391495-2	SEAL	4
19	R5734-40	SEAL KIT	1

ASSY, STEER PIN**PIN INSTALLATION PROCEDURE**

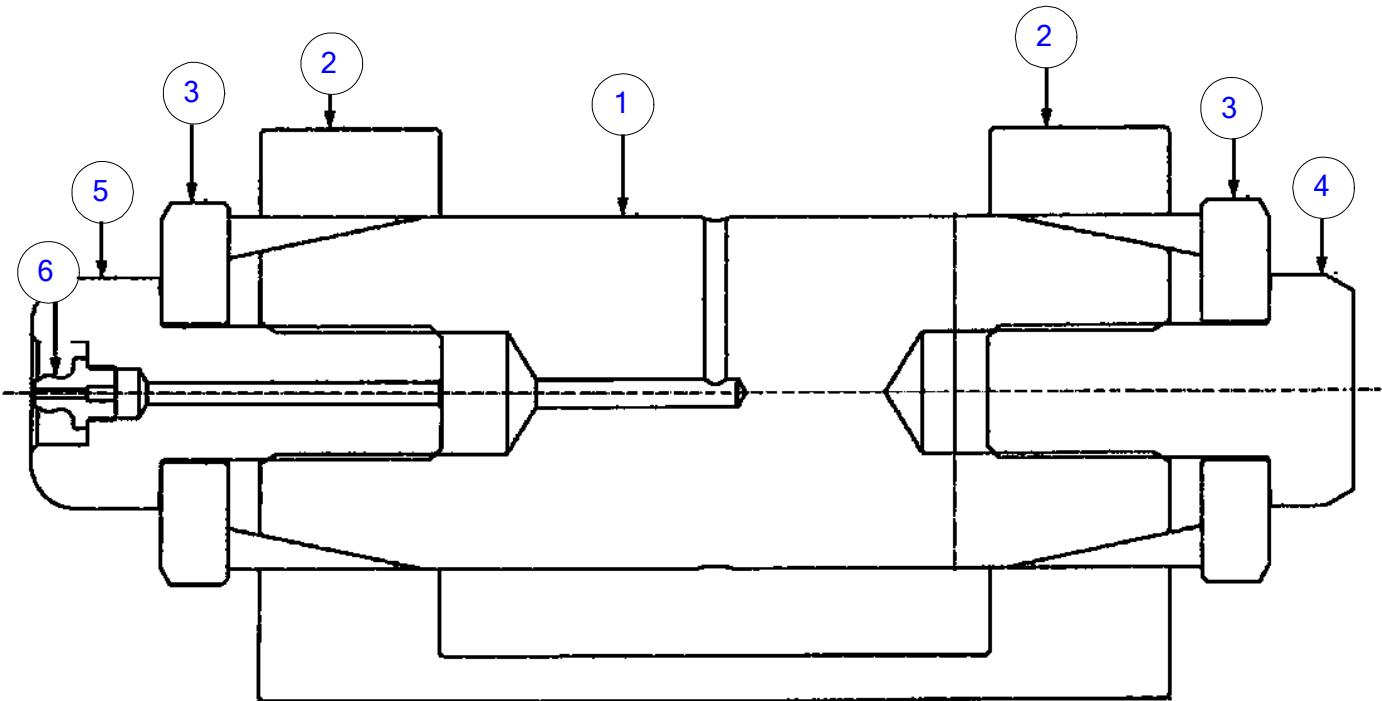
1. LINE UP CONNECTIONS THEN CENTRE PIN IN CONNECTION.
2. INSTALL SPACERS IF REQUIRED THEN INSTALL COLLARS.
(KEEP PIN CENTRED) INSTALL HHCS & BELLEVILLE WASHERS. (USE ONLY NEW WASHERS)
3. TIGHTEN HHCS & CHECK GAP BETWEEN COLLAR SHOULDER & BOSS.
GAP SHOULD BE $1/16$ PER SIDE OR $1/8$ ON ONE SIDE AND 0 ON THE OTHER. TORQUE HHCS TO 369 LBFT DRY TORQUE. (NO LOCK-TITE)
4. USE NEVER-SEEZ ON PIN SURFACE AND ID/OD OF COLLETS. FEMALE THREAD IN PIN AND THE BOLT SHOULD ALWAYS BE DRY.

PIN REMOVAL PROCEDURE

1. REMOVE HHCS & WASHER USE HHCS 0.875-UNC X 4" LG AS JACKING BOLT TO REMOVE COLLARS.
2. DRIVE PIN CLEAR OF CONNECTION.

Item No.	Part Number	Part Name	Qty.
1	R391447-190	PIN ASSEMBLY	1
2	R3B0158	THRUST WASHER	2
3	R3B0159	THRUST WASHER	2

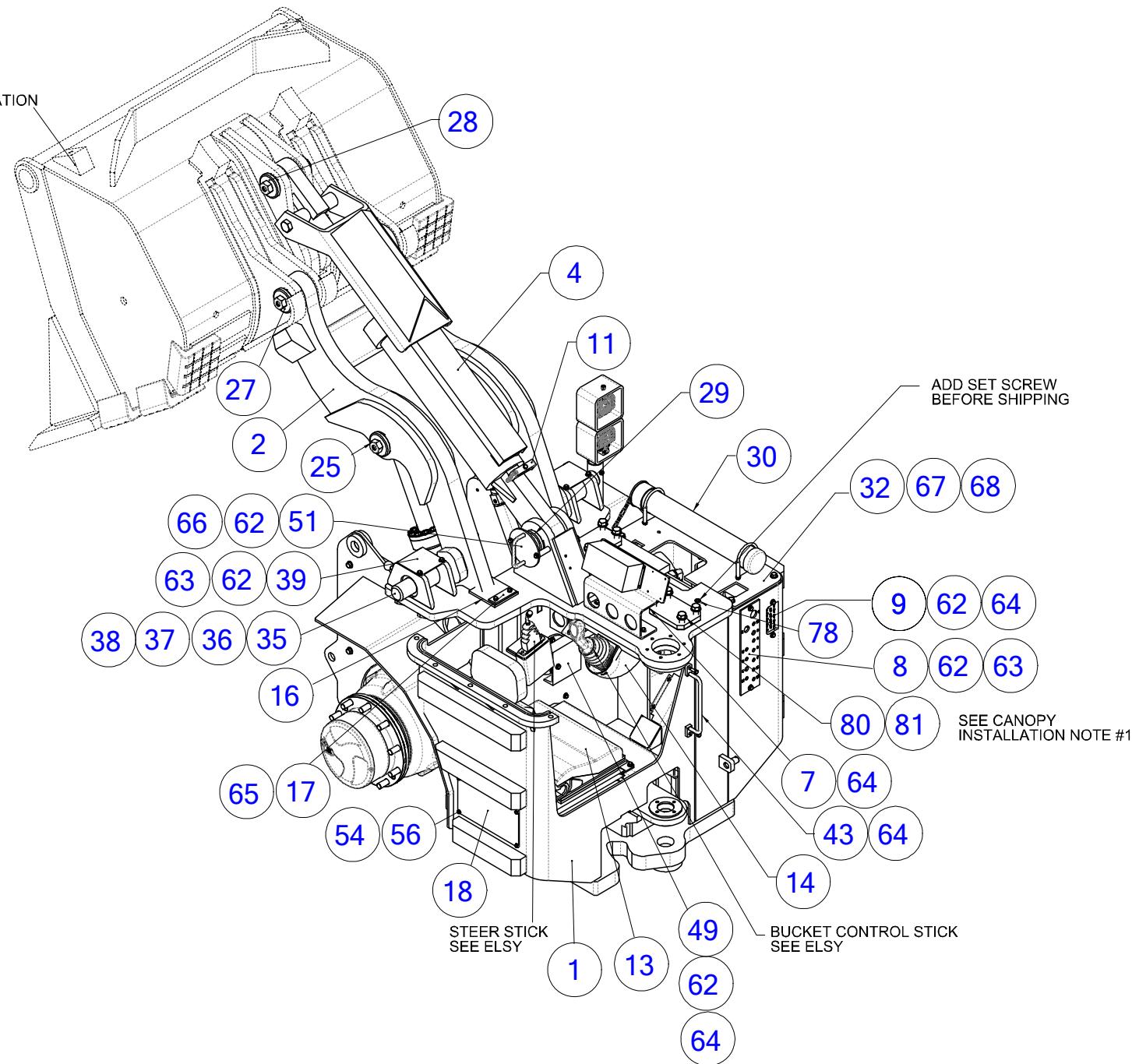
ASSY, PIN



Item No.	Part Number	Part Name	Qty.
1	R391447-191	AXLE	1
2	R391447-151	SLEEVE	2
3	R391447-173	WASHER	2
4	R391447-106	BOLT - M24X2	1
5	R391447-104	TAPPED BOLT - M24X2	1
6	R391447-55	GREASE NIPPLE	1

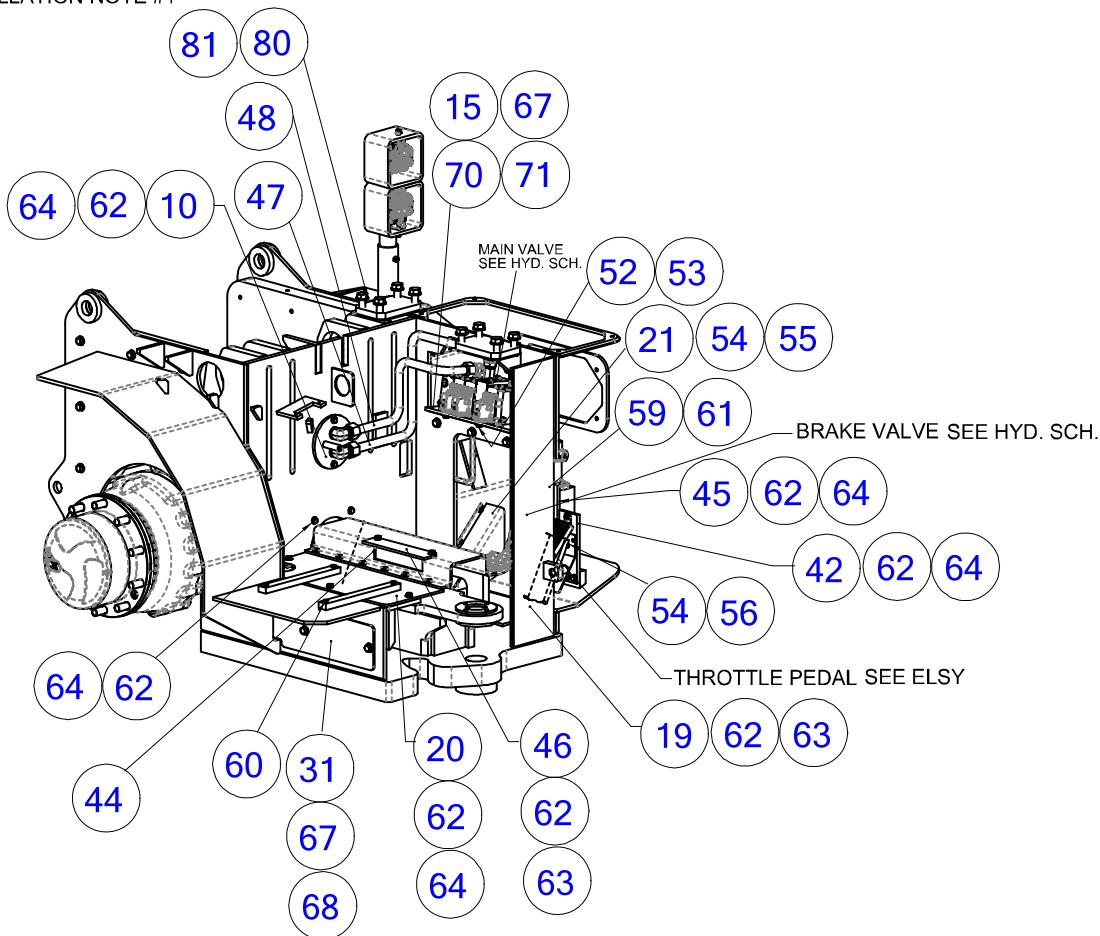
ASSY, LT-270, F.FR.

SEE G.A FOR BUCKET INSTALLATION



ASSY, LT-270, F.FR.

**SEE CANOPY
INSTALLATION NOTE #1**



INSIDE OPERATOR'S COMPARTMENT VIEW
(ITEMS REMOVED FOR CLARITY)

CANOPY NOT SHOWN FOR CLARITY

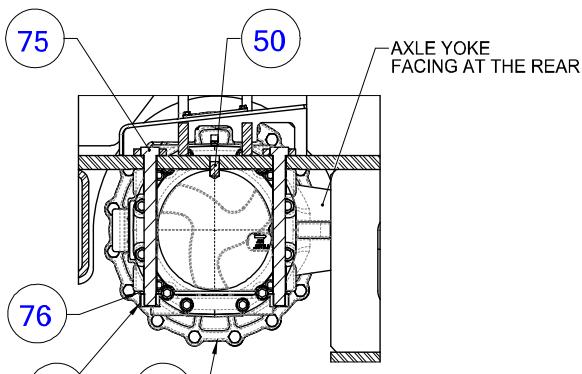
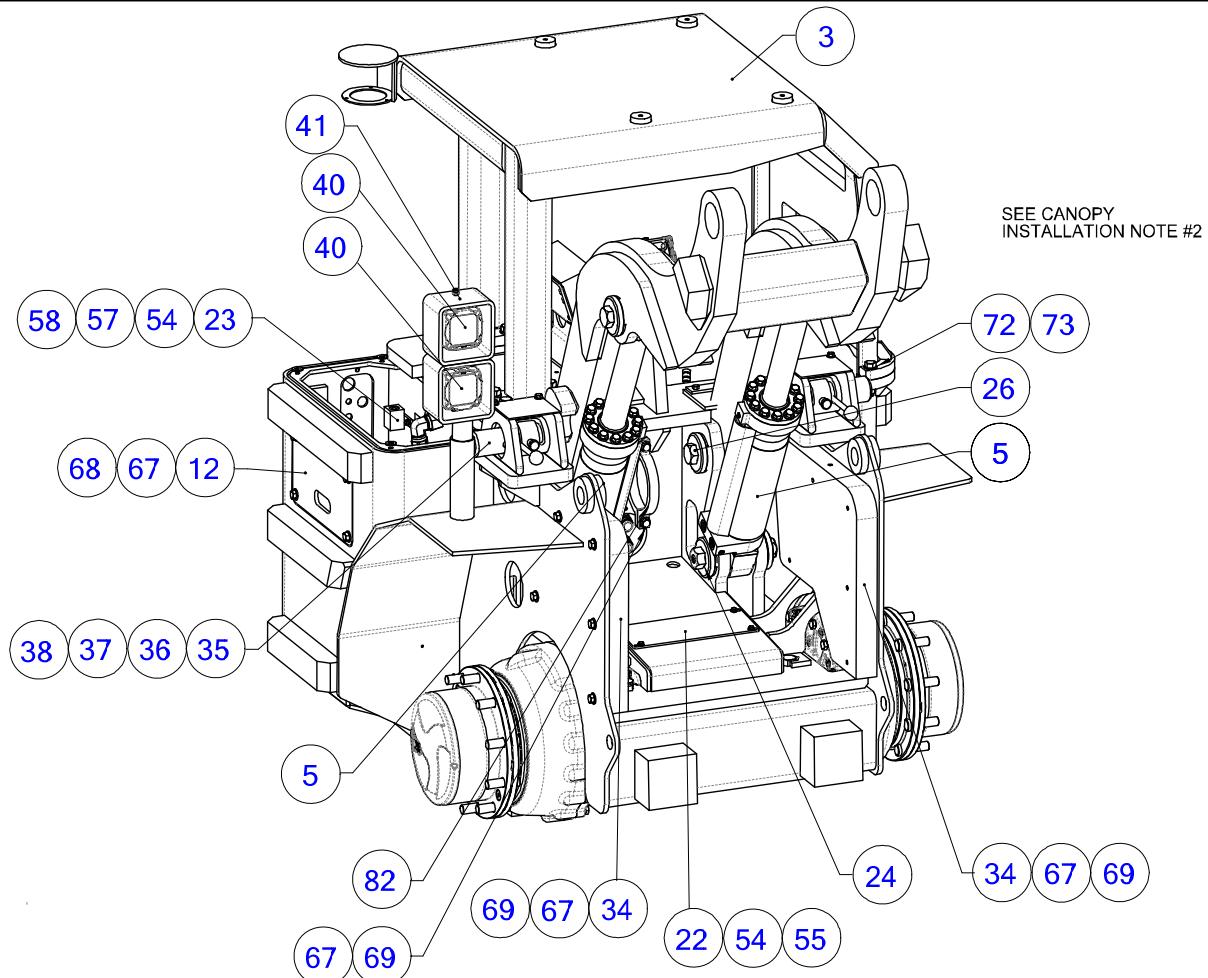
- SEAT ADJUSTMENT**

 1. ADJUST SEAT TO MAX. HEIGHT BY PULLING ON SEAT UPWARD (SECOND CLICK). THE THIRD CLICK WILL DROP THE SEAT BACK TO ITS LOWEST POSITION.
 2. ADJUST SEAT SUSPENSION TO 120KG BY ROTATING ADJUSTER WHEEL CLOCKWISE

CANOPY INSTALLATION

1. INSTALL 3/4 BOLTS AND WASHER
TORQUE TO 320 FT-LBS (434 N·m)

 2. INSTALL 5/8 BOLTS AND WASHER
TORQUE TO 159 FT-LBS (215 N·m)


ASSY, LT-270, F.FR.**AXLE BOLT CROSS SECTION VIEW**

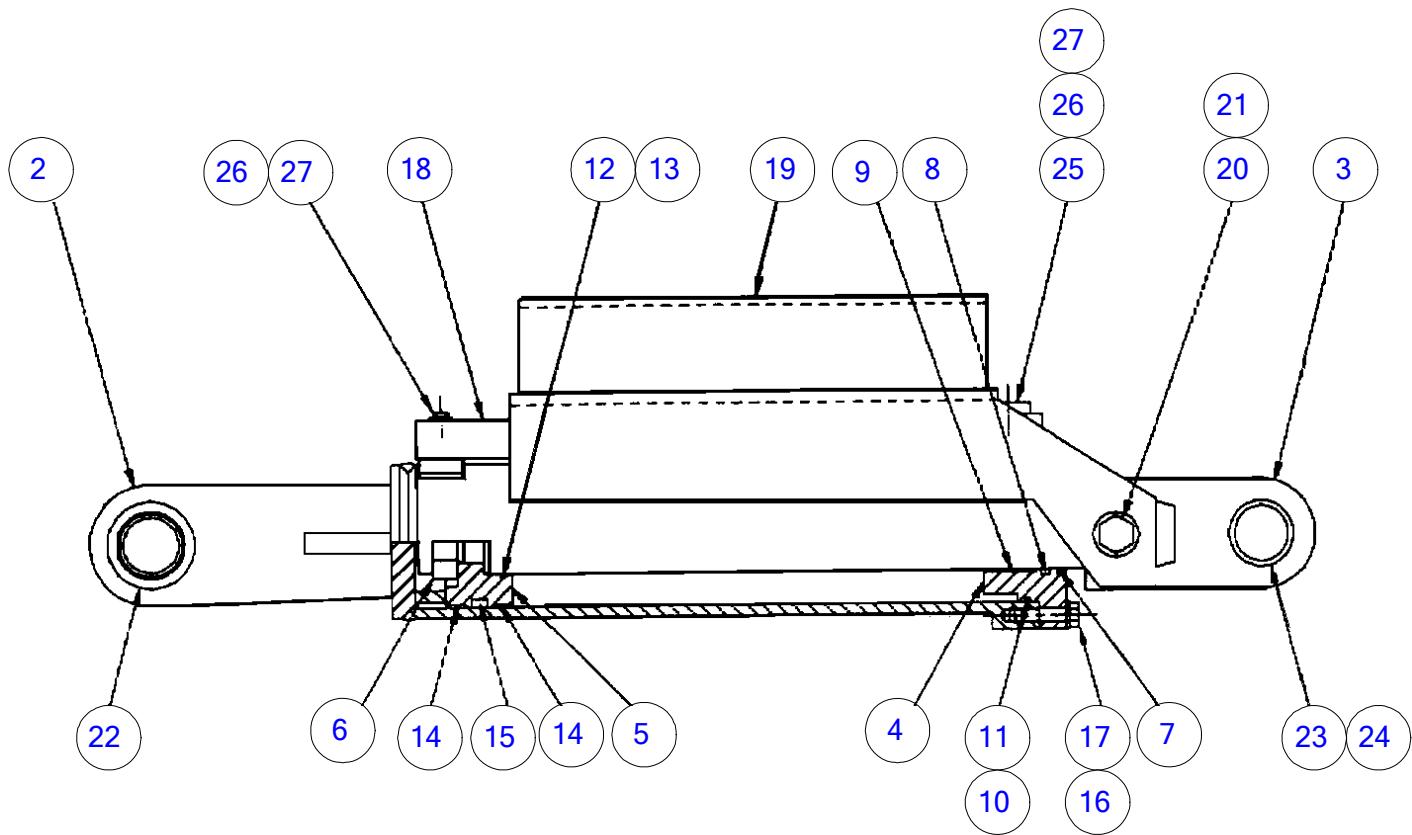
1:8 SCALE

AXLE INSTALLATION PROCEDURE

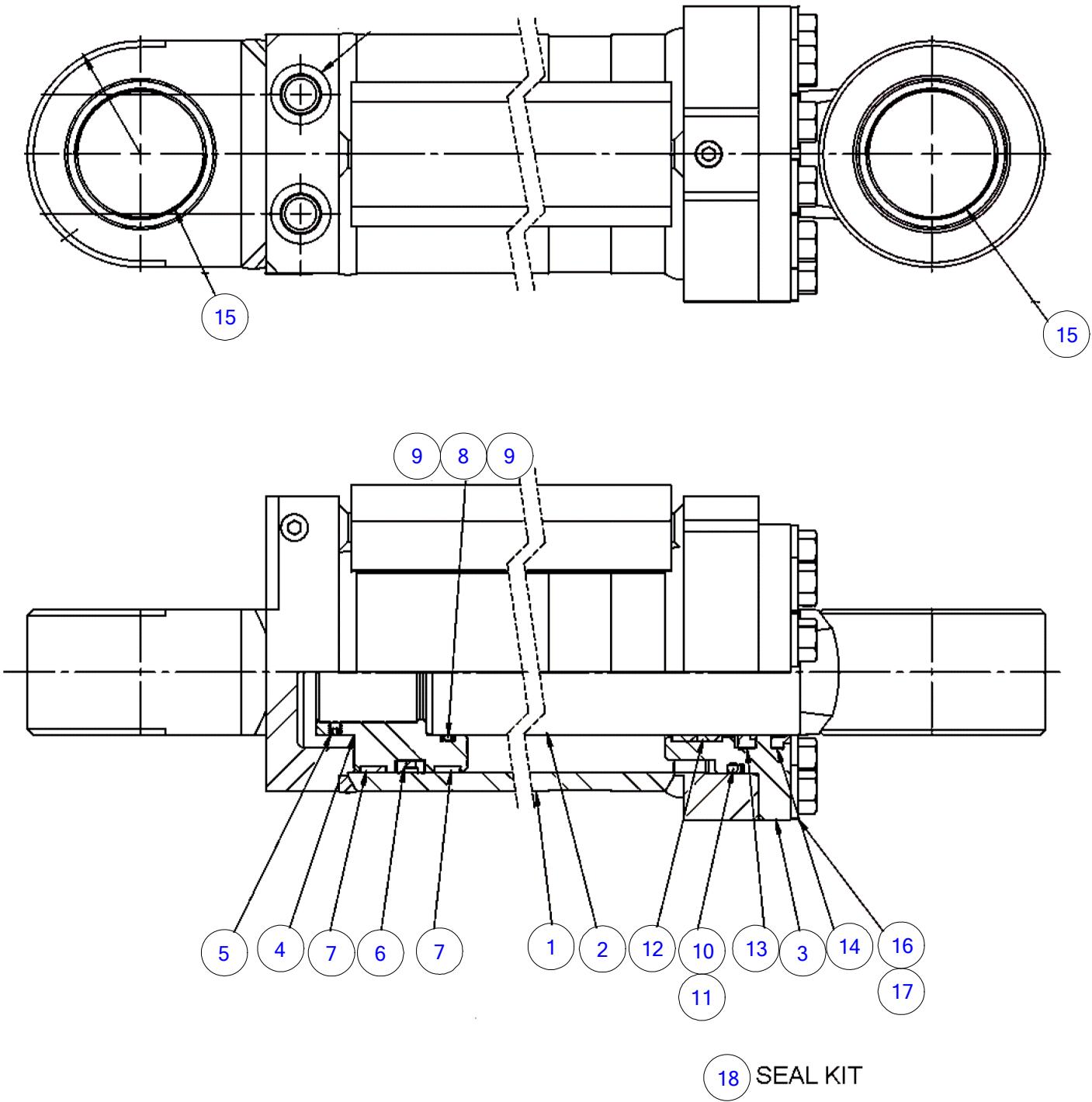
1. ENSURE AXLE MOUNT SURFACES ARE FREE FROM PAINT AND DIRT.
2. INSERT THE TWO SHEAR DOWEL PINS IN THE AXLE.
3. APPLY LOCTITE 262 TO M24 AXLE BOLTS THREAD.
4. PLACE THE AXLE IN THE AXLE PAD AND INSERT THE BOLTS AT THE TOP. ALIGN THE HEX HEAD OF THE BOLT TO THE BOLT LOCK PLATE.
5. INSTALL M24 WASHER AND HEX NUT AT THE BOTTOM OF THE AXLE. TORQUE HEX NUTS TO 665 FT-LBS (901 N·m)
6. WHEEL NUTS FOR TIRE ASSY TO BE TORQUE AT 479 FT-LBS (649 N·m)

Item No.	Part Number	Part Name	Qty.
1	R040011-001	FRONT FRAME	1
2	R026086-001	BOOM	1
3	R026178-002	CANOPY	1
4	R391329-81	CYLINDER, DUMP LT-270	1
5	R040412-001	CYLINDER, HOIST, LT-270	2
7	R800952-002	GAUGE PANEL	1
8	RH000234	BULKHEAD	1
9	R3B6141	MANIFOLD - Remote Lube	1
10	R040629-001	BULKHEAD	1
11	R302104	ASSY, HOSE CLAMP & CHAIN	1
12	R800921	SIDE COVER PLATE	1
13	R012914-004	ULTRA SEAT RWK	1
14	R019238-003	JOYSTICK BOOT	1
15	R040651-001	VALVE MOUNT	1
16	R801531-003	BOOM POCKET COVER	1
17	R802451	BOOM POCKET COVER PLATE	1
18	R027346-001	ACCESS COVER	1
19	RH008486	FLOOR WELD'T RH	1
20	RH010728	SEAT MOUNT PLATE	1
21	R027398-001	FOOT REST	1
22	R027448-001	FRT. BRAKE COVER	1
23	R008718-001	SWITCH MOUNT - 400 PSI	1
24	R006311-002	ASSY., PIN HOIST CYL. TO FRAME	1
25	R006310-002	ASSY, PIN HOIST CYL. TO BOOM	1
26	R006309-002	ASSY, PIN, FRONT FRAME TO BOOM	1
27	R006308-002	ASSY, PIN, BOOM TO BUCKET	1
28	R006307-002	ASSY., PIN, BUCKET TO DUMP CYLINDER	1
29	R006306-002	ASSY., PIN, DUMP CYL TO FRAME	1
30	R010848-004	OPTIONS, DRAWING TUBE, D SIZE	1
31	R027690-001	COVER -Steer Cylinder	1
32	RH008461	FRONT FRAME COVER PLATE	1
34	R026048-003	COUNTERWEIGHT	2
35	R037149-006	PIN	2
36	R037149-003	HANDLE	2
37	R350101	KNOB - RED	2
38	R015167-001	RETRACTABLE SPRING PLUNGER	2
39	R037149-001	COVER	2
40	R037844-001	HEADLIGHT - LED,24V, HYBRID	2
41	R037914-001	LED LIGHT STAND	1
42	R027313-001	MOUNT PLATE - THROTTLE	1
43	R802452	HOSE BAR	1
44	RH008514	DRIVELINE GUARD WELDT	1
45	R040623-001	PLATE	1
46	R030487-001	RUBBER COVER	1
47	R040632-001	TUBE - 1.000X0.120W SS	1
48	R040632-002	TUBE - 1.000X0.120W SS	1
49	R040646-001	BULKHEAD GUARD	1
50	R303703	SHEAR DOWEL	2
51	R036380-002	PIN GUARD	1
52	R114580	WASHER, FLAT - M8,R,1.6T,300HV,L9,CZ	4
53	R116542	HHCS - M8-1.25x25,G8.8,PT,CZ	4
54	R128617	WASHER, FLAT - N,0.25,0.063T,300HV,G9,CZ	16
55	R144353	HHCS - 0.250-20NC x 0.500 Gr.8	6
56	R100195	HHCS - 0.25-20NCx0.75,G5,FT,CZ	6
57	R116043	HHCS - 0.250-20NCx1.25,G8,PT,CZ	2
58	R800493	NUT, HEX - 0.25-20NC,G8,CZ	2
59	R800738	WASHER, FLAT - N,0.3125,0.063T,300HV,L9,CZ	4
60	R117555	HHCS - 0.313-18NC X 0.750 GR8	4

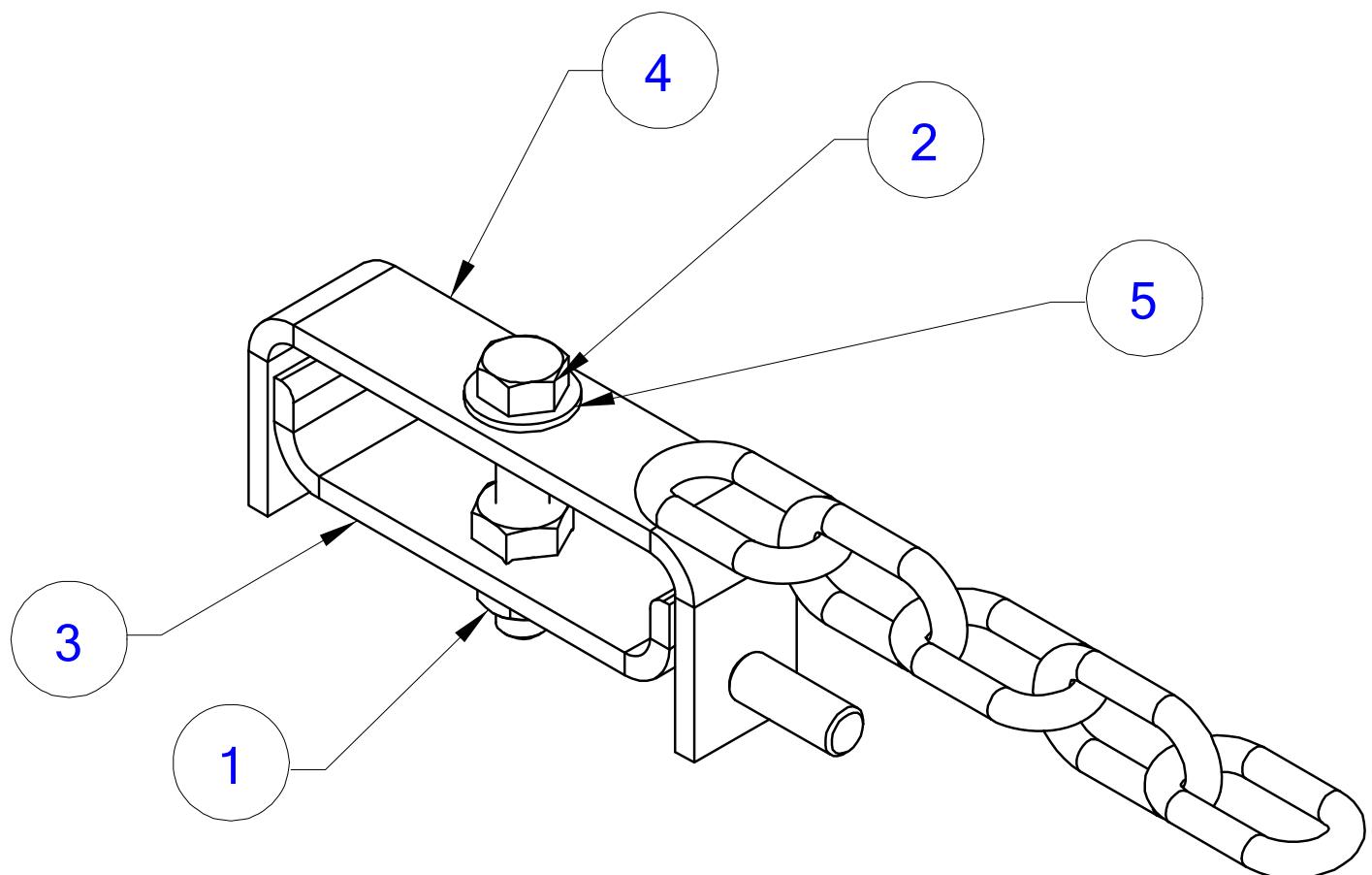
Item No.	Part Number	Part Name	Qty.
61	R134482	BOLT - 0.3125-18NCx1,G8,PT,CZ	4
62	R106473	WASHER, FLAT - N,0.375,0.063T,300HV,L9,CZ	40
63	R100665	HHCS - 0.375-16NCx0.75,G8,FT,CZ	12
64	R100157	HHCS - 0.375-16NCx1,G8,FT,PL	32
65	R115935	HHCS - 0.375-16NC x 1.5 GR8	2
66	R108407	HHCS - 3/8"-16NC X 3" GR.8	2
67	R105992	WASHER, FLAT - N,0.5,0.094T,300HV,L9,CZ	30
68	R103573	HHCS - 0.5-13NCx1,G8,FT,CZ	10
69	R103570	HHCS - 0.5-13NCx1.5,G8,FT,CZ	14
70	R110474	HHCS - 0.5-13NCx1.75,G8,PT,CZ	3
71	R104199	NUT, HEX - HIGH,0.5-13NC,G8,CZ	3
72	R102317	WASHER, FLAT - R,0.625,0.094T,300HV,L9,CZ	5
73	R103577	BOLT, HEX HEAD - 0.625-11NCx3,G8,PT,CZ	5
74	R800658	HEX NUT - 0.625-11NC,G8,CZ	5
75	R026269-001	HHCS - M24X3X280MM	4
76	R114591	WASHER, FLAT - N,M24,4T,300HV,L9,CZ	4
77	R117798	NUT, HEX - M24-3NC,G10	4
78	RH009094	SET SCREW - M24-3X40, 45H	1
79	RH006394	FRONT AXLE, DANA 182	1
80	R103592	WASHER, FLAT - N,0.75,0.14T,300HV,L9,CZ	8
81	R105691	HHCS - 0.750-16NF x 2.00 GR8	8
82	RH032113	MOUNT , ACCUMULATOR	1

CYLINDER, DUMP LT-270

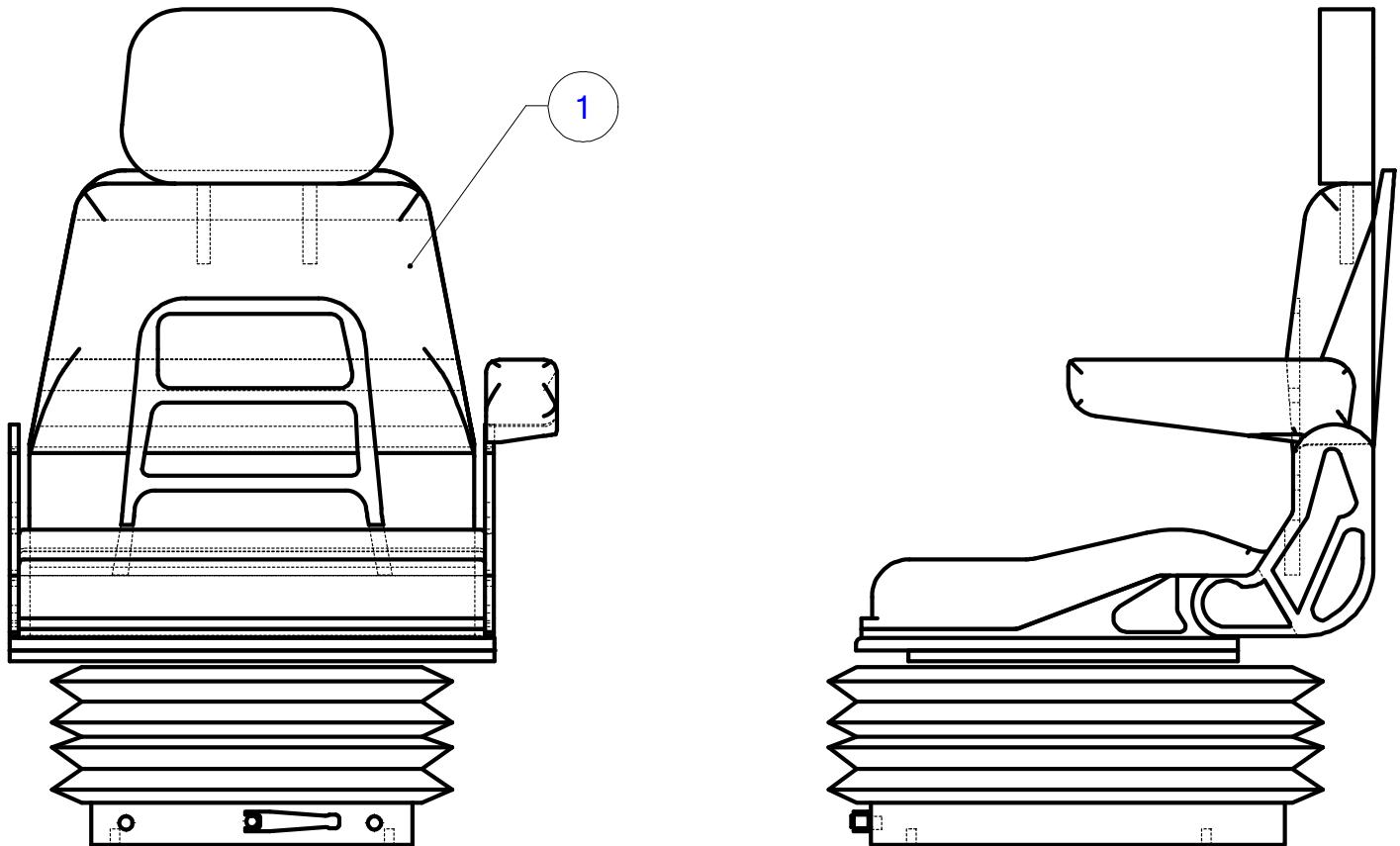
Item No.	Part Number	Part Name	Qty.
2	RH034355	BARREL	1
3	R018618-001	ROD	1
4	R035636-101	GLAND	1
5	R009144-013	PISTON	1
6	R201048	NUT	1
7		O-RING	1
		Items included in 391329-64.	
8		O-RING	1
		Items included in 391329-64.	
9		SEAL	1
		Items included in 391329-64.	
10		O-RING	1
		Items included in 391329-64.	
11		O-RING	1
		Items included in 391329-64.	
12		BACKING RING	1
		Items included in 391329-64.	
13		SEAL	1
		Items included in 391329-64.	
14		LIP SEAL	2
		Items included in 391329-64.	
15		BACKING RING	1
		Items included in 391329-64.	
16		SHCS - 5/8x2 1/2NC	12
17	R009144-015	WASHER	12
18	RH034356	GUARD	1
19	R029544-001	OUTER GUARD	1
20		WASHER	2
21		HHCS - GRD5 1x2NC	2
22	R391044-16	BEARING	1
23	R601084	BUSHING	1
24	R391495-2	SEAL	2
25	R5736-82	GLIDE BLOCK	1
26		HHCS - GRD5 3/8x1NC	3
27		WASHER - 3/8"	3
28	R391329-64	SEAL KIT	1

CYLINDER, HOIST, LT-270

Item No.	Part Number	Part Name	Qty.
1	R010362-001	BARREL	1
2	R040412-100	ROD	1
3	R010364-001	GLAND	1
4	R040412-101	PISTON	1
5	R022725-006	SET SCREW	1
6		PISTON SEAL Items included in Seal Kit.	1
7		WEAR RING Items included in Seal Kit.	2
8		O-RING Items included in Seal Kit.	1
9		BACK UP RING Items included in Seal Kit.	2
10		O-RING Items included in Seal Kit.	1
11		BACK UP RING Items included in Seal Kit.	1
12		WEAR RING Items included in Seal Kit.	2
13		ROD SEAL Items included in Seal Kit.	1
14		ROD WIPER Items included in Seal Kit.	1
15	R601082	BUSHING	2
16	R007617-001	FLAT WASHER	12
17	R025571-105	HHCS	12
18	R040412-102	SEAL KIT	REF.

ASSY, HOSE CLAMP & CHAIN

Item No.	Part Number	Part Name	Qty.
1	R115938	NUT HEX 0.375-16NC,G8,CZ	1
2	R115936	BOLT,HEX HD,0.375-16NCx2,G8,FT,CZ	1
3	RH032969	CLAMP, DUMP CYLINDER, BOTTOM	1
4	RH032970	CLAMP, DUMP CYLINDER, TOP	1
5	RH012781	WASHER,FLAT,N,0.375,0.063T,300HV,L9,CZ	1

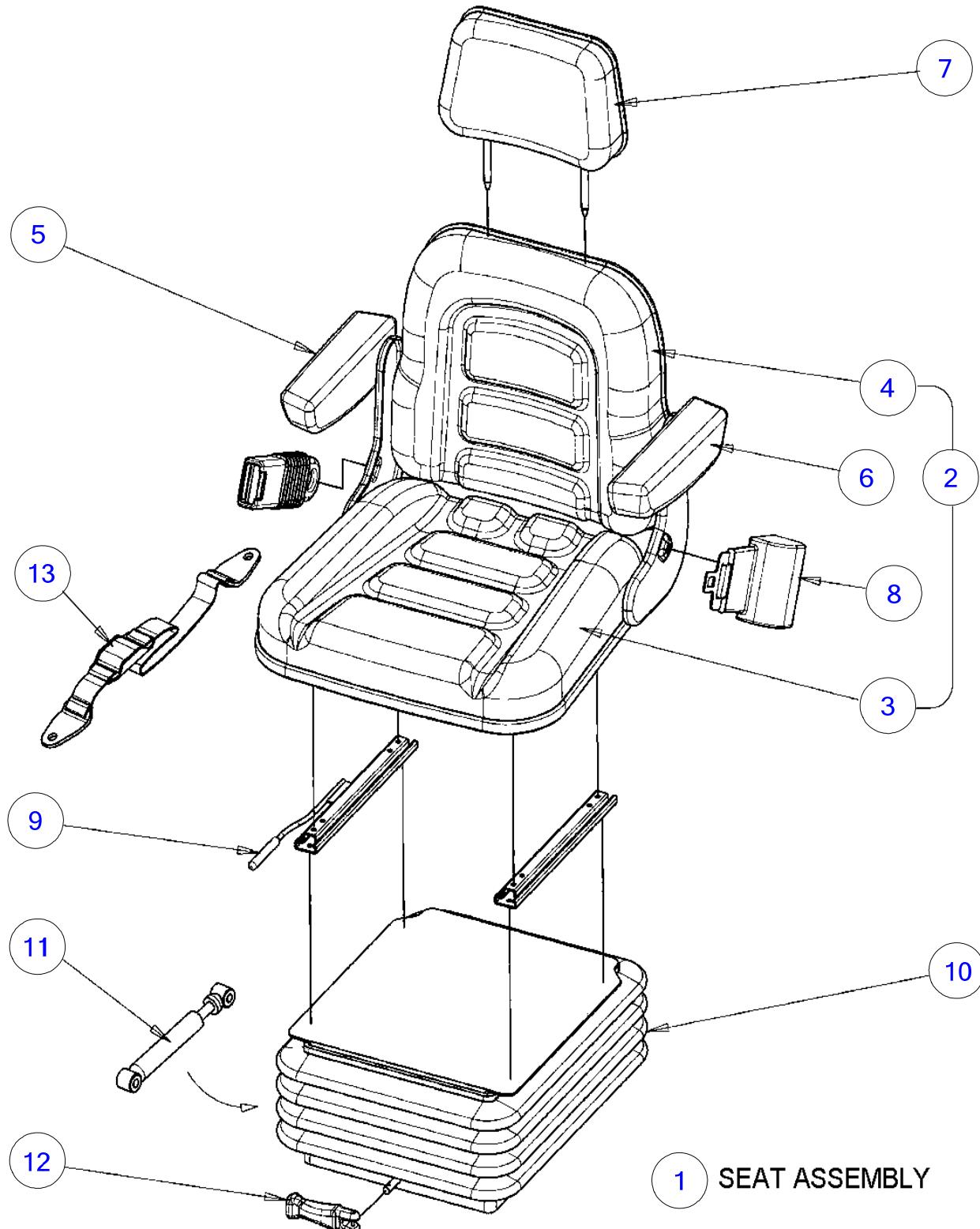
ULTRA SEAT RWK**REWORK DIRECTIONS**

- REMOVE HEADREST AND RIGHT ARMREST

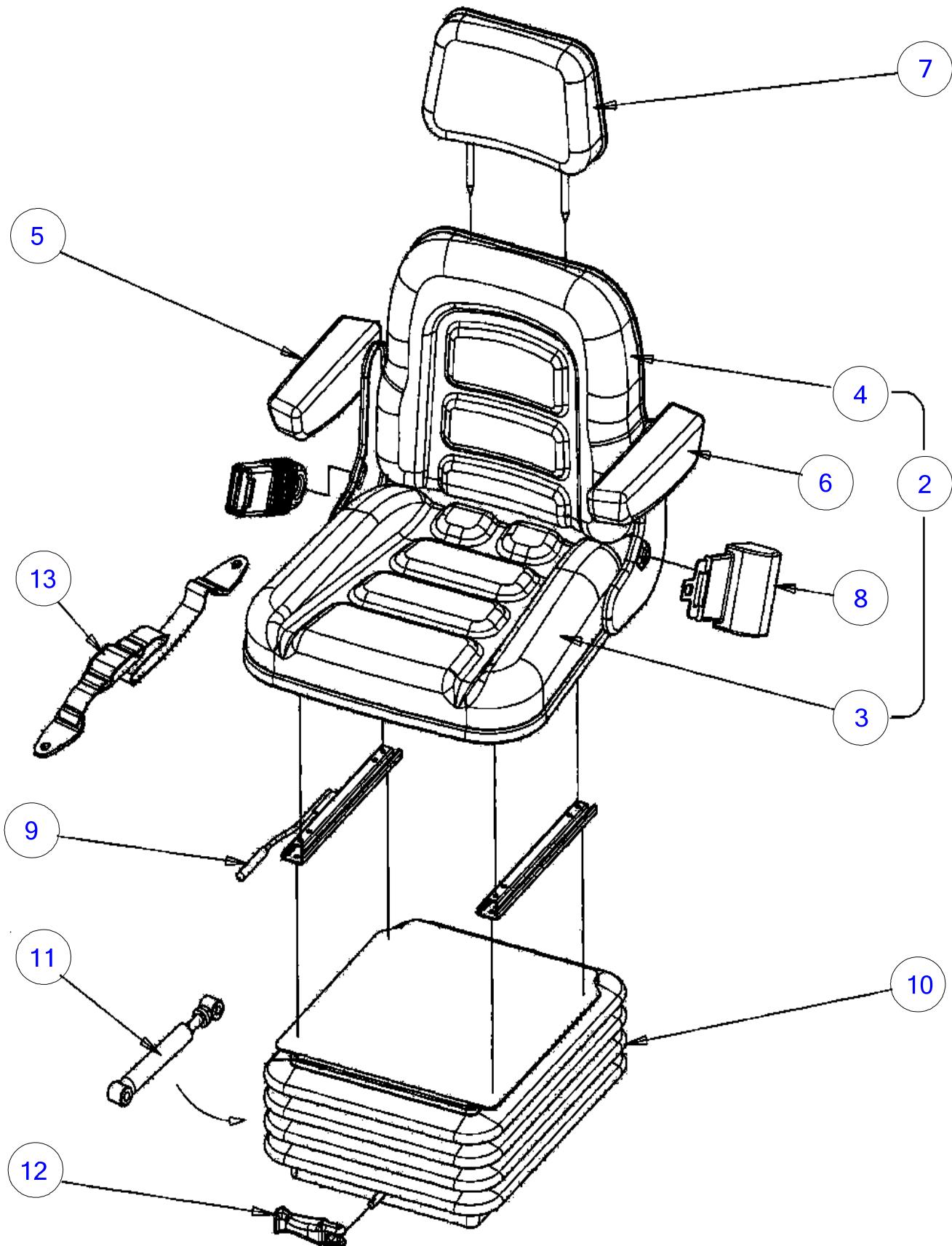
21-4895: LT-270 - MINERO DIESEL



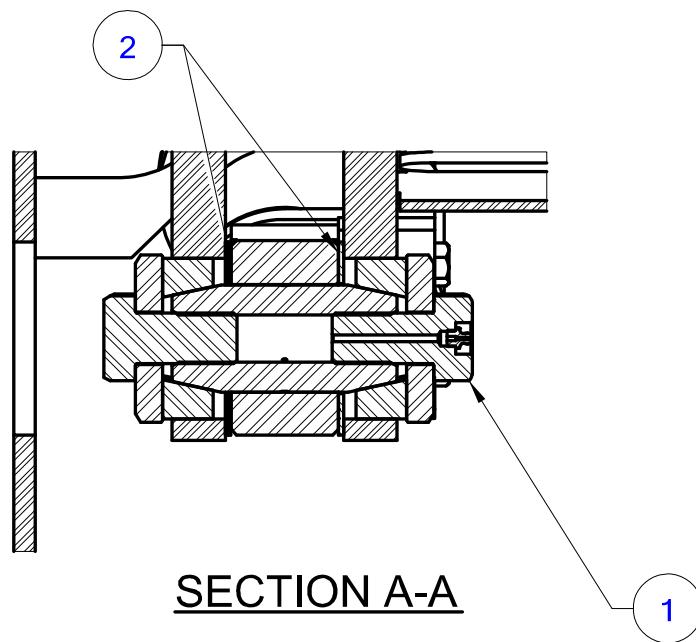
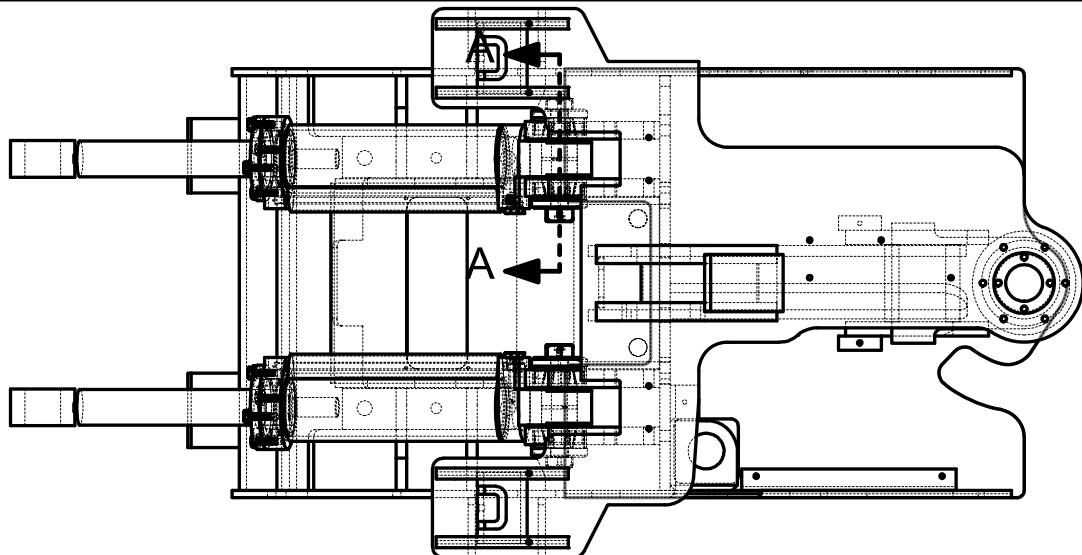
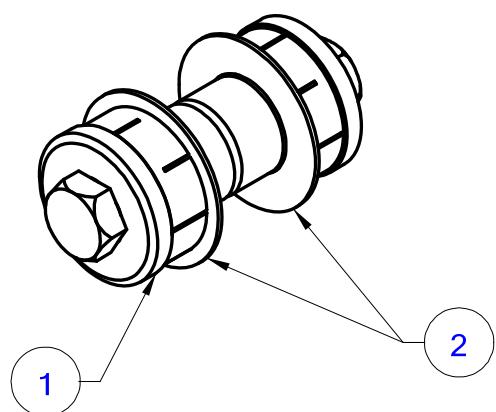
Item No.	Part Number	Part Name	Qty.
1	R012914-001	ASSY, SEAT	1

ASSY, SEAT

Item No.	Part Number	Part Name	Qty.
1	R012914-010	SEAT ASSEMBLY	1
2	R012914-011	COMPLETE UPPER Included in item # 1 - Seat.	1
3	R012914-012	SEAT CUSHION & COVER Included in item # 1 - Seat.	1
4	R012914-013	BACK CUSHION & COVER Included in item # 1 - Seat.	1
5	R012914-014	RIGHT HAND ARMREST	1
6	R012914-015	LEFT HAND ARMREST	1
7	R012914-016	HEADREST	1
8	R012914-017	SEAT BELT WITH KIT - 2"	1
9	012914-018	SLIDE RAILS Included in item # 1 - Seat.	1
10	R012914-019	COMPLETE SUSPENSION Included in item # 1 - Seat.	1
11	012914-020	DAMPER/SHOCK Included in item # 1 - Seat.	1
12	R012914-021	HANDLE & PIN Included in item # 1 - Seat.	1
13	R012914-022	TETHER KIT - 16" NON-ADJ	1

SEAT ASSEMBLY

Item No.	Part Number	Part Name	Qty.
2	R012914-011	COMPLETE UPPER	1
3	R012914-012	SEAT CUSHION & COVER	1
4	R012914-013	BACK CUSHION & COVER	1
5	R012914-014	RIGHT HAND ARMREST	1
6	R012914-015	LEFT HAND ARMREST	1
7	R012914-016	HEADREST	1
8	R012914-017	SEAT BELT WITH KIT - 2"	1
8-A	R012914-023	SEAT BELT WITH KIT - 3"	REF.
9	R012914-024	SLIDE RAILS	1
10	R012914-019	COMPLETE SUSPENSION	1
11	R012914-020	DAMPER/SHOCK	1
12	R012914-021	HANDLE & PIN	1
13	R012914-025	TETHER KIT	1
13-A	R012914-022	TETHER KIT - 16" NON-ADJ	REF.

ASSY., PIN HOIST CYL. TO FRAMESECTION A-A

ASSY., PIN HOIST CYL. TO FRAME**PIN INSTALLATION PROCEDURE**

1. LINE UP CONNECTIONS THEN CENTRE PIN IN CONNECTION.
2. INSTALL SPACERS, THEN INSTALL COLLARS. (KEEP PIN CENTRED)
INSTALL HHCS & BELLEVILLE WASHERS (USE ONLY NEW WASHERS)
3. TIGHTEN HHCS & MAINTAIN GAP BETWEEN COLLAR SHOULDER &
BOSS AS PER DRG.NO. 032469-001.
4. TORQUE HHCS TO 443 LBFT (600 Nm) DRY TORQUE. (NO LOCK-TITE)

PIN REMOVAL PROCEDURE

5. REMOVE HHCS & WASHER.
6. DRIVE PIN CLEAR OF CONNECTION.

TORQUE SCHEDULE

WHEN RE-TORQUING IF THE WRENCH "CLICKS-OUT" ON SETTING WITHOUT ADDING ADDITIONAL TORQUE, THEN EXPANSION SLEEVES ARE SEATED SUCCESSFULLY.

HOURS OF OPERATION

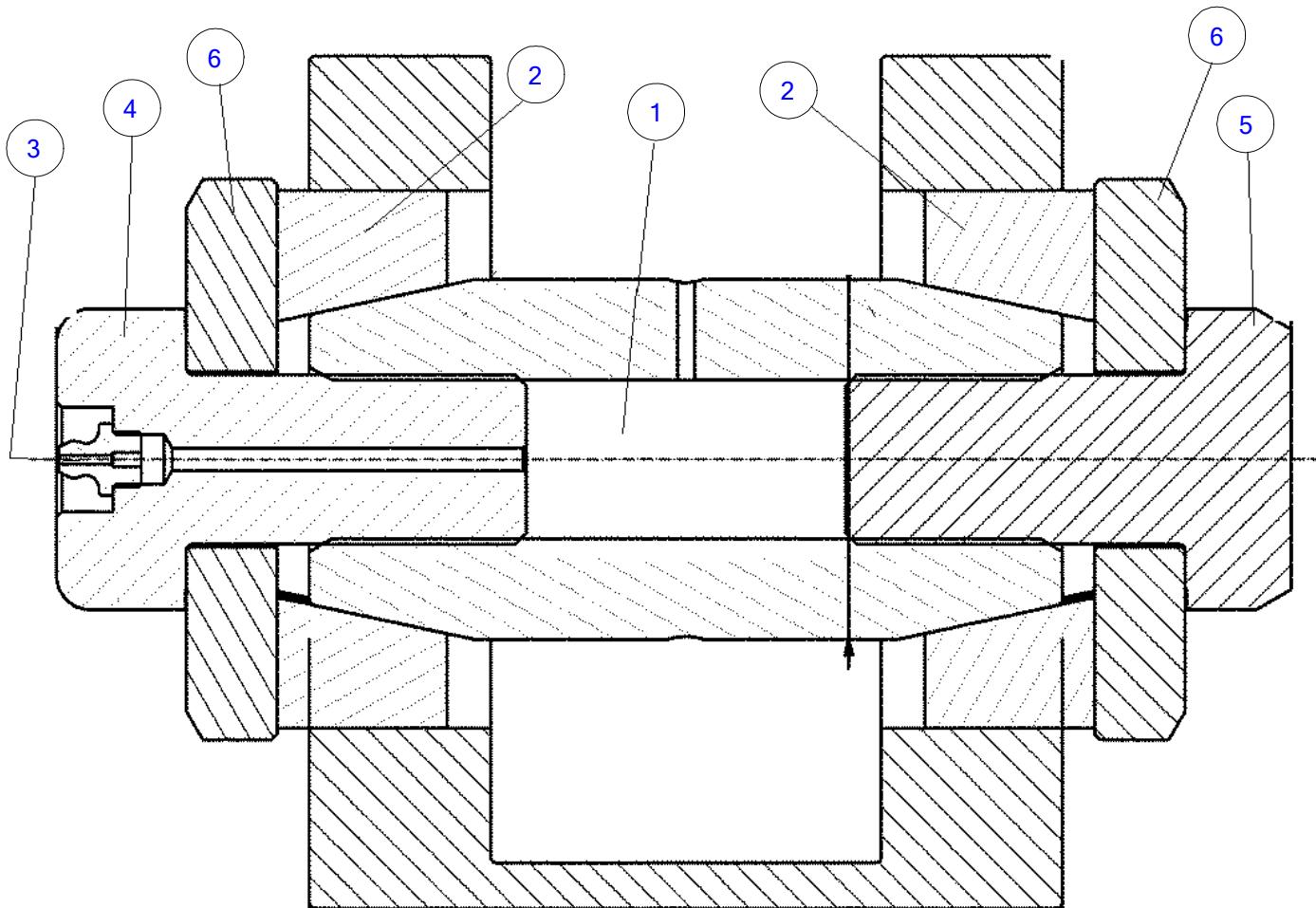
AFTER 1 HOUR

AFTER 3 HOURS

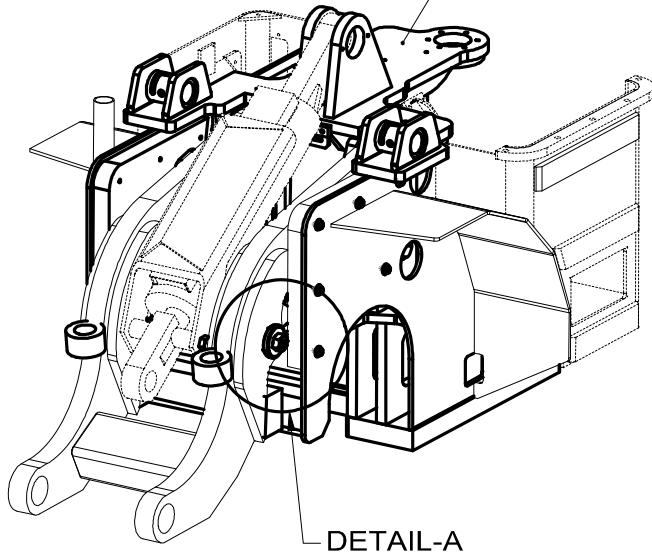
AFTER 10 HOURS OR 1 DAY (IF REQUIRED, SEE NOTE ABOVE)

AFTER 40 HOURS OR 4 DAYS (IF REQUIRED, SEE NOTE ABOVE)

Item No.	Part Number	Part Name	Qty.
1	R032469-001	ASSY, PIN 2.5" DIA	1
2	R026177-001	THRUST WASHER - 1/8"	2
3	R026177-002	THRUST WASHER - 1/16"	2

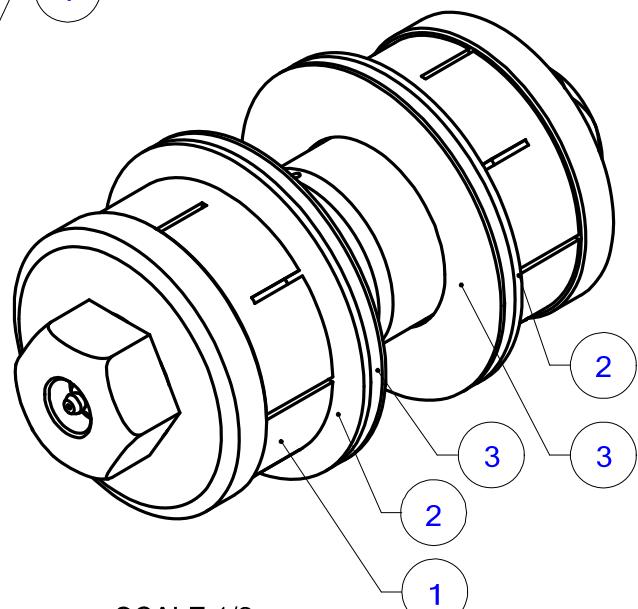
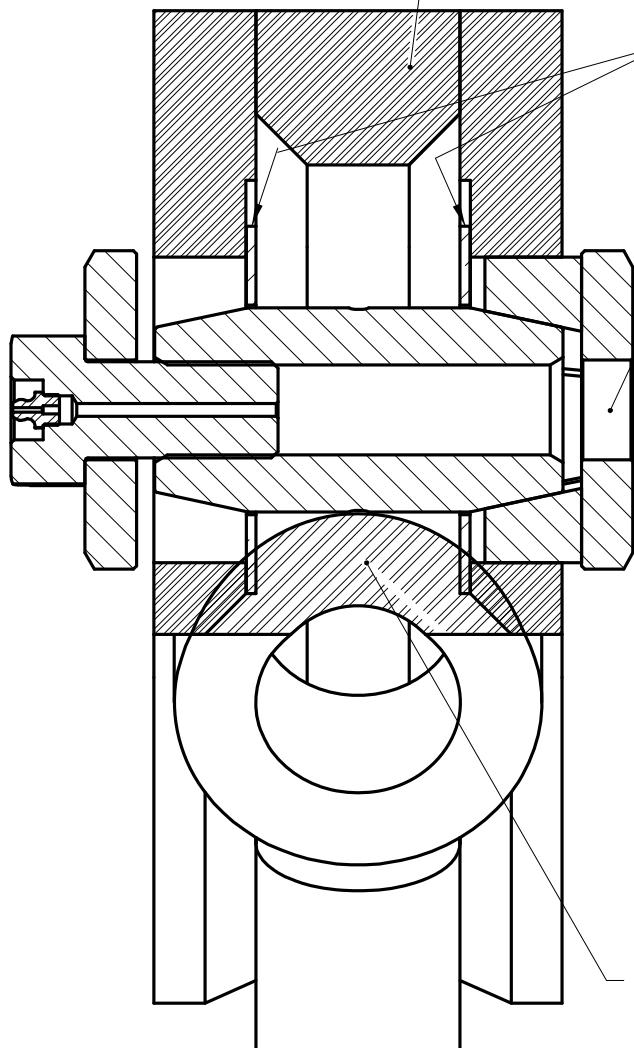
ASSY, PIN 2.5" DIA

Item No.	Part Number	Part Name	Qty.
1	R032469-100	AXLE	1
2	R391447-111	SLEEVE	2
3	R391447-55	GREASE NIPPLE	1
4	R391447-124	BOLT - M30x2	1
5	R391447-24	BOLT - M30x2	1
6	R391447-64	WASHER	2

ASSY, PIN HOIST CYL. TO BOOMCOMPONENTS IN DOTTED LINES
ARE SHOWN FOR REFERENCE ONLY

DETAIL-A

BOOM ASSY



SCALE 1/2

HYD CYLINDER W/ BUSHING

ASSY, PIN HOIST CYL. TO BOOMPIN INSTALLATION PROCEDURE

1. LINE UP CONNECTIONS THEN CENTRE PIN IN CONNECTION.
2. INSTALL SPACERS, THEN INSTALL COLLARS. (KEEP PIN CENTRED)
INSTALL HHCS & BELLEVILLE WASHERS (USE ONLY NEW WASHERS)
3. TIGHTEN HHCS & MAINTAIN GAP BETWEEN COLLAR SHOULDER & BOSS
4. TORQUE HHCS TO 443 Lb.Ft. (600 Nm) DRY TORQUE. (NO LOCK-TITE)

PIN REMOVAL PROCEDURE

5. REMOVE HHCS & WASHER.
6. DRIVE PIN CLEAR OF CONNECTION.

TORQUE SCHEDULE

WHEN RE-TORQUING IF THE WRENCH "CLICKS-OUT" ON SETTING WITHOUT ADDING ADDITIONAL TORQUE, THEN EXPANSION SLEEVES ARE SEATED SUCCESSFULLY.

HOURS OF OPERATION

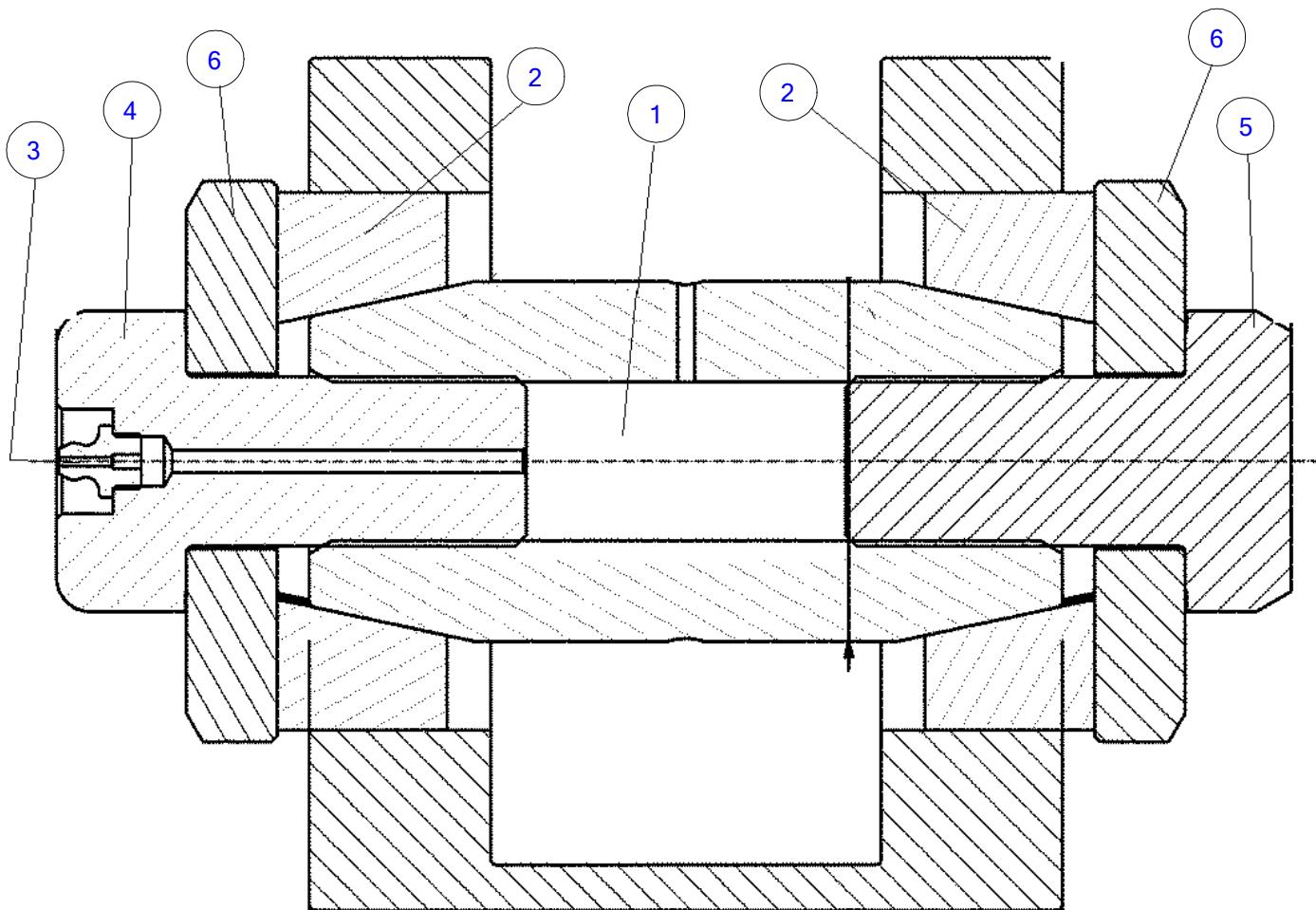
AFTER 1 HOUR

AFTER 3 HOURS

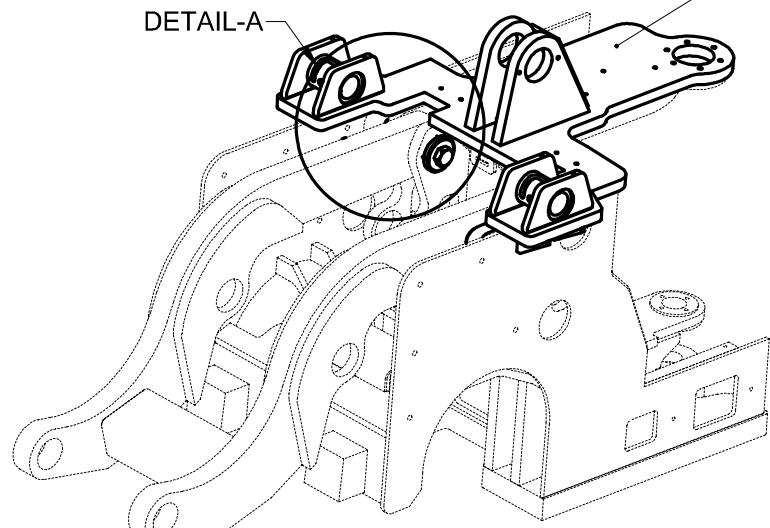
AFTER 10 HOURS OR 1 DAY (IF REQUIRED, SEE NOTE ABOVE)

AFTER 40 HOURS OR 4 DAYS (IF REQUIRED, SEE NOTE ABOVE)

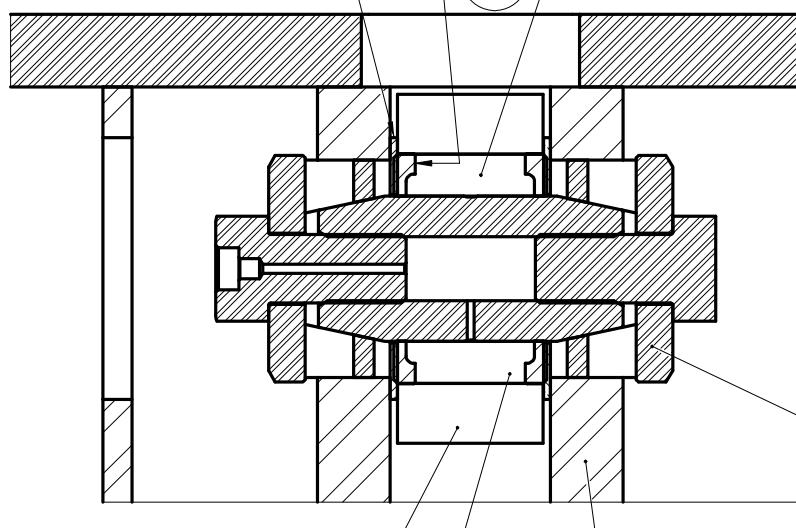
Item No.	Part Number	Part Name	Qty.
1	R032471-001	EXPANDER PIN ASS'Y	1
2	R026177-001	THRUST WASHER - 1/8"	2
3	R026177-002	THRUST WASHER - 1/16"	2

ASSY, PIN 2.5-IN DIA

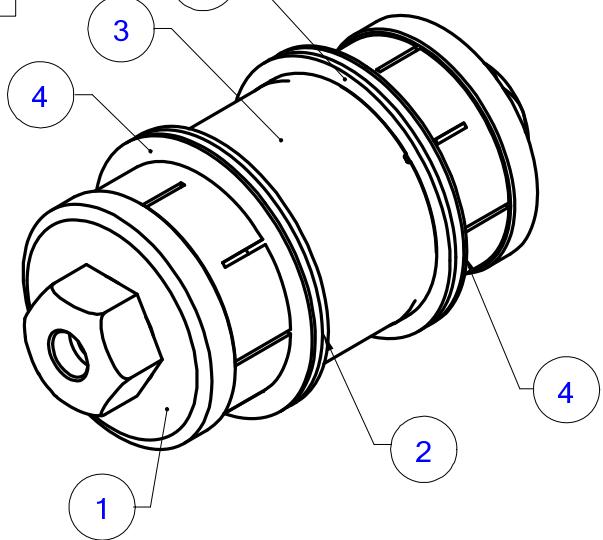
Item No.	Part Number	Part Name	Qty.
1	R032471-100	AXLE	1
2	R391447-111	SLEEVE	2
3	R391447-55	GREASE NIPPLE	1
4	R391447-124	BOLT - M30x2	1
5	R391447-24	BOLT - M30x2	1
6	R391447-64	WASHER	2

ASSY, PIN, FRONT FRAME TO BOOMCOMPONENTS IN DOTTED LINES ARE
SHOWN FOR REFERENCE ONLY →

SCALE 1/16



DETAIL-A



ASSY, PIN, FRONT FRAME TO BOOMPIN INSTALLATION PROCEDURE

1. LINE UP CONNECTIONS, THEN CENTRE PIN IN CONNECTION
2. INSTALL SPACERS, THEN INSTALL COLLARS (KEEP PIN CENTRED)
INSTALL HHCS & BELLEVILLE WASHERS (USE ONLY NEW WASHERS)
3. TIGHTEN HHCS & MAINTAIN GAP BETWEEN COLLAR SHOULDER &
BOSS
4. TORQUE HHCS TO 443 LBFT (600 Nm) DRY TORQUE (NO LOCK-TITE)

PIN REMOVAL PROCEDURE

5. REMOVE HHCS & WASHER
6. DRIVE PIN CLEAR OF CONNECTION

TORQUE SCHEDULE

WHEN RE-TORQUING IF THE WRENCH "CLICKS-OUT" ON SETTING WITHOUT
ADDING ADDITIONAL TORQUE, THEN EXPANSION SLEEVES ARE SEATED SUCCESSFULLY

HOURS OF OPERATION

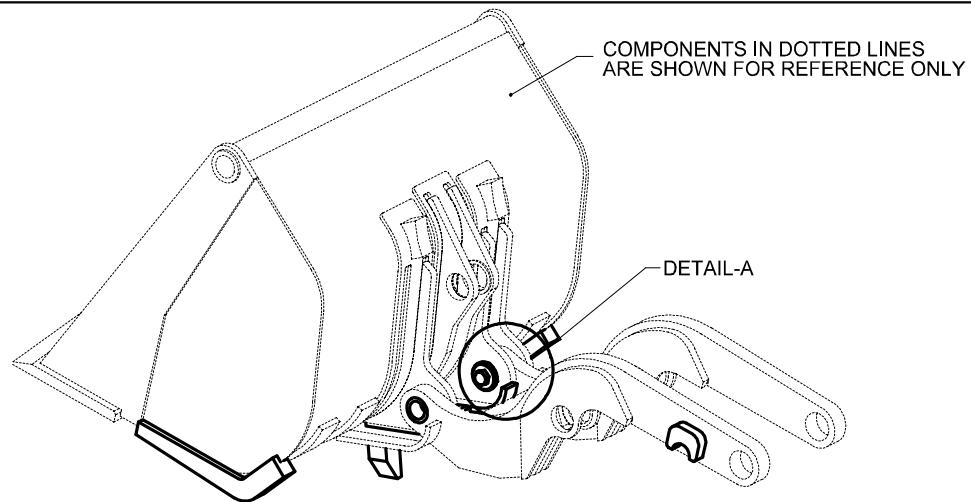
AFTER 1 HOUR

AFTER 3 HOURS

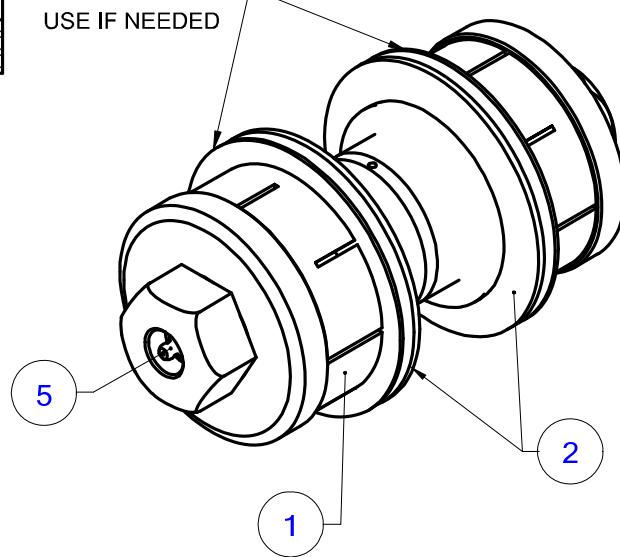
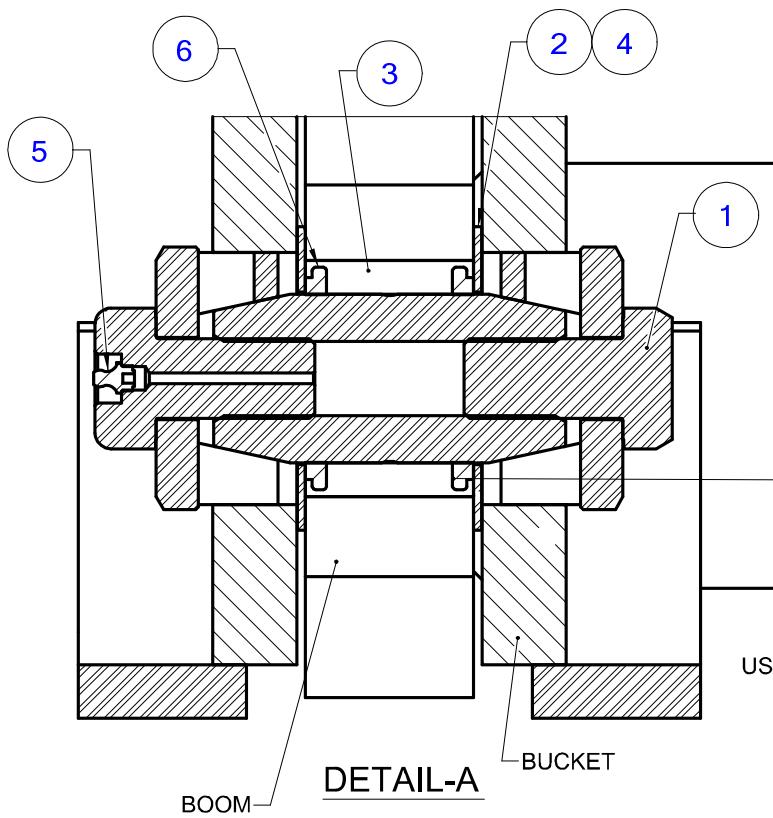
AFTER 10 HOURS OR 1 DAY (IF REQUIRED, SEE NOTE ABOVE)

AFTER 40 HOURS OR 4 DAYS (IF REQUIRED, SEE NOTE ABOVE)

Item No.	Part Number	Part Name	Qty.
1	R032469-001	EXPANDER PIN ASS'Y - 2.5" DIA	1
2	R026177-001	THRUST WASHER - 1/8"	2
3	R104446	SPHERICAL BUSHING	1
4	R026177-002	THRUST WASHER - 1/16"	2
5	R3B0064-002	SEAL RING RWK	2

ASSY, PIN, BOOM TO BUCKET

SCALE 1/16



ASSY, PIN, BOOM TO BUCKETPIN INSTALLATION PROCEDURE

1. LINE UP CONNECTIONS, THEN CENTRE PIN IN CONNECTION
2. INSTALL SPACERS IF REQUIRED THEN INSTALL COLLARS (KEEP PIN CENTRED)
INSTALL HHCS & BELLEVILLE WASHERS (USE ONLY NEW WASHER)
3. TIGHTEN HHCS & MAINTAIN GAP BETWEEN COLLAR SHOULDER & BOSS.
4. TORQUE HHCS TO 443 LBFT (600 Nm) DRY TORQUE. (NO LOCK-TITE)

PIN REMOVAL PROCEDURE

6. REMOVE HHCS & WASHER
7. DRIVE PIN CLEAR OF CONNECTION

TORQUE SCHEDULE

WHEN RE-TORQUING IF THE WRENCH "CLICKS-OUT" ON SETTING WITHOUT ADDING ADDITIONAL TORQUE, THEN EXPANSION SLEEVES ARE SEATED SUCCESSFULLY.

HOURS OF OPERATION

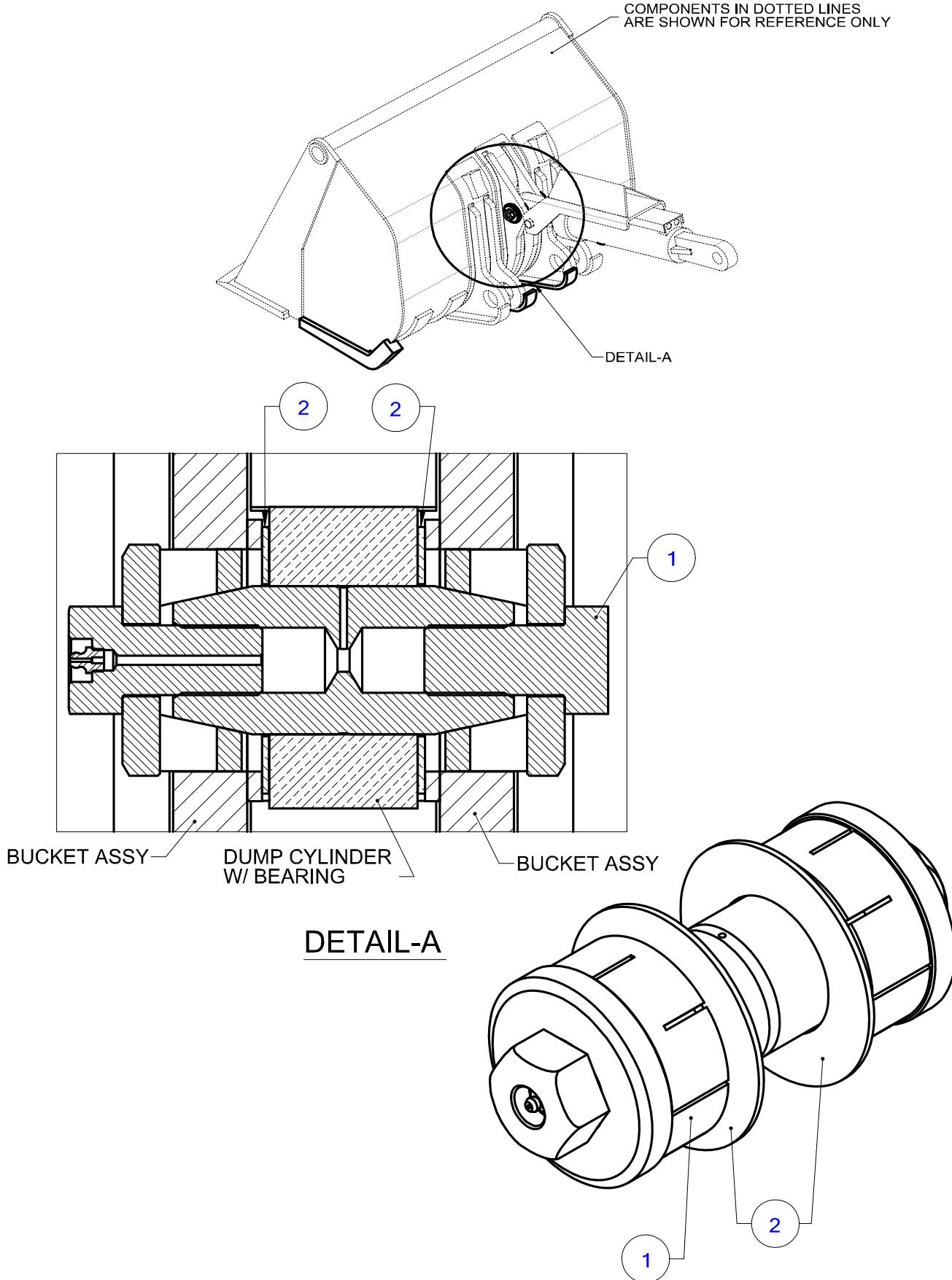
AFTER 1 HOUR

AFTER 3 HOURS

AFTER 10 HOURS OR 1 DAY (IF REQUIRED, SEE NOTE ABOVE)

AFTER 40 HOURS OR 4 DAYS (IF REQUIRED, SEE NOTE ABOVE)

Item No.	Part Number	Part Name	Qty.
1	R032469-001	ASSY, PIN 2.5" DIA	1
2	R026177-001	THRUST WASHER - 1/8"	2
3	R601024	BUSHING - BOOM TO BUCKET	1
4	R026177-002	THRUST WASHER - 1/16"	2
5	R100117	GREASE FITTING - (STR) 1/8 NPT	1
6	R391495-1	SEAL	2

ASSY., PIN, BUCKET TO DUMP CYLINDER

ASSY., PIN, BUCKET TO DUMP CYLINDERPIN INSTALLATION PROCEDURE

1. LINE UP CONNECTIONS, THEN CENTRE PIN IN CONNECTION
2. INSTALL SPACERS IF REQUIRED THEN INSTALL COLLARS (KEEP PIN CENTRED)
INSTALL HHCS & MAINTAIN GAP BETWEEN COLLAR SHOULDER & BOSS AS PER
DRG.NO. 032474-001
3. TORQUE HHCS TO 443 LBFT (600 Nm) DRY TORQUE (NO LOCK-TITE)

PIN REMOVAL PROCEDURE

4. REMOVE HHCS & WASHER
5. DRIVE PIN CLEAR OF CONNECTION

TORQUE SCHEDULE

WHEN RE-TORQUING AND IF THE WRENCH "CLICKS-OUT" ON SETTING WITHOUT ADDING ADDITIONAL TORQUE, THEN THE EXPANSION SLEEVES ARE SEATED SUCCESSFULLY

HOURS OF OPERATION

AFTER 1 HOUR

AFTER 3 HOURS

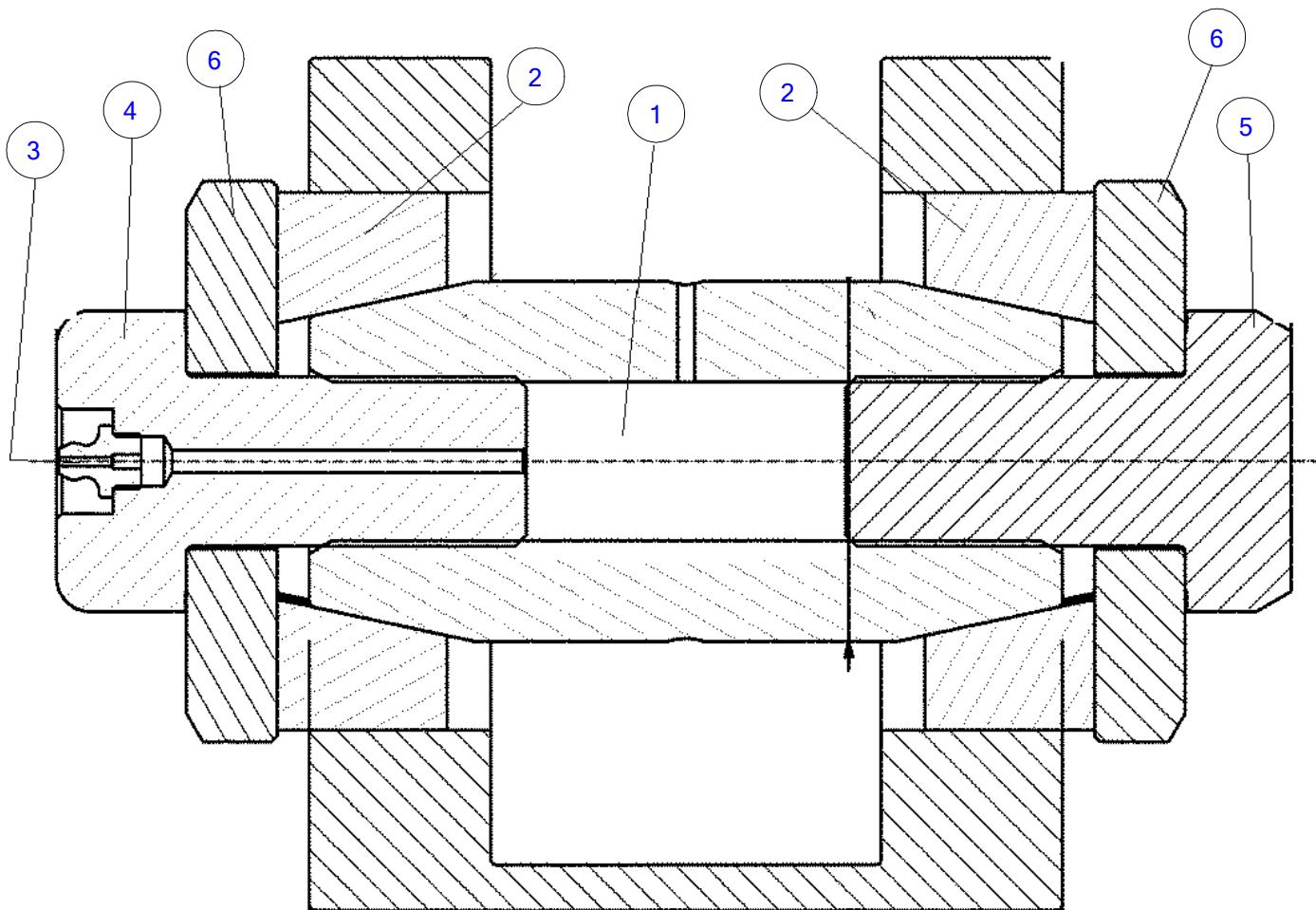
AFTER 10 HOURS OR 1 DAY (IF REQUIRED, SEE NOTE ABOVE)

AFTER 40 HOURS OR 4 DAYS (IF REQUIRED, SEE NOTE ABOVE)

21-4895: LT-270 - MINERO DIESEL



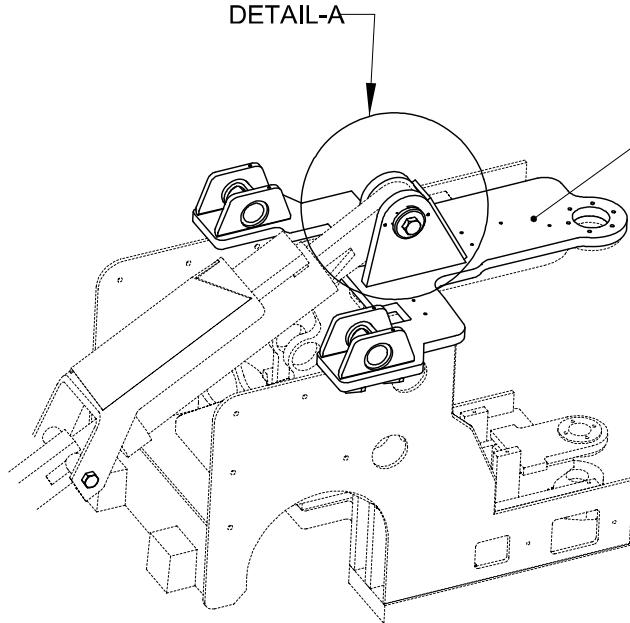
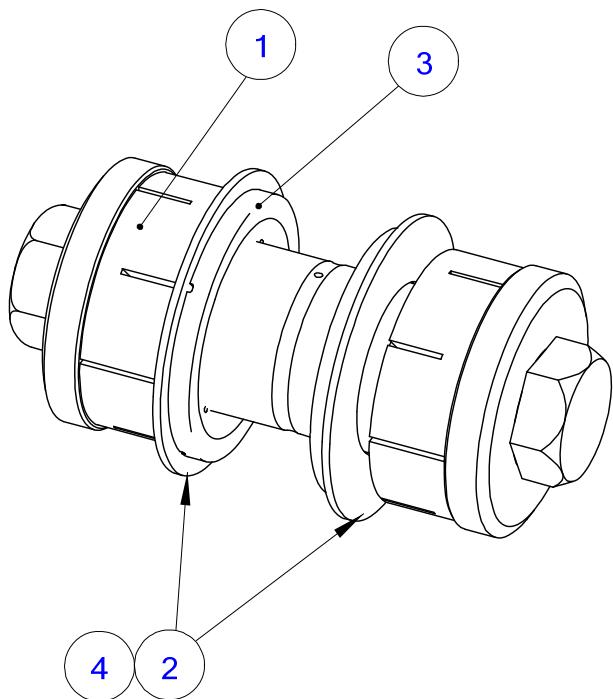
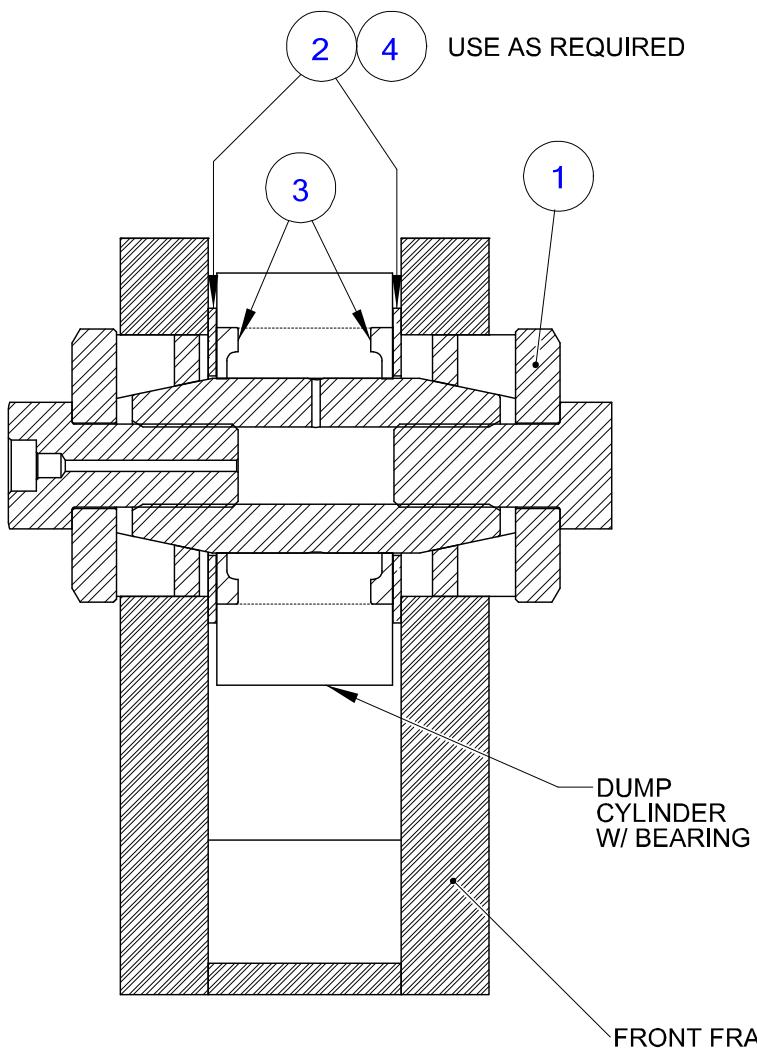
Item No.	Part Number	Part Name	Qty.
1	R032474-001	ASSY, PIN 2.5" DIA	1
2	R026177-001	THRUST WASHER - 1/8"	2

ASSY, PIN 2.5" DIA

Item No.	Part Number	Part Name	Qty.
1	R032474-100	AXLE	1
2	R032474-101	SLEEVE	2
3	R391447-55	GREASE NIPPLE	1
4	R391447-124	BOLT - M30x2	1
5	R391447-24	BOLT - M30x2	1
6	R391447-64	WASHER	2

ASSY., PIN, DUMP CYL TO FRAME

DETAIL-A

COMPONENTS IN DOTTED LINES
ARE SHOWN FOR REFERENCE ONLY**DETAIL-A**

ASSY., PIN, DUMP CYL TO FRAMEPIN INSTALLATION PROCEDURE

1. LINE UP CONNECTIONS, THEN CENTRE PIN IN CONNECTION.
2. INSTALL SPACERS, THEN INSTALL COLLARS (KEEP PIN CENTRED)
(INSTALL HHCS & BELLEVILLE WASHERS (USE ONLY NEW WASHERS))
3. TIGHTEN HHCS & MAINTAIN GAP BETWEEN COLLAR SHOULDER &
BOSS AS PER DRG.NO.032469-001.
4. TORQUE HHCS TO 443 LBFT (600 Nm) DRY TORQUE. (NO LOCK-TITE)

PIN REMOVAL PROCEDURE

5. REMOVE HHCS & WASHER
6. DRIVE PIN CLEAR OF CONNECTION

TORQUE SCHEDULE

WHEN RE-TORQUING, IF THE WRENCH "CLICKS-OUT" ON SETTING WITHOUT
ADDING ADDITIONAL TORQUE, THEN EXPANSION SLEEVES ARE SEATED
SUCCESSFULLY.

HOURS OF OPERATION

AFTER 1 HOUR

AFTER 3 HOURS

AFTER 10 HOURS OR 1 DAY (IF REQUIRED, SEE NOTE ABOVE)

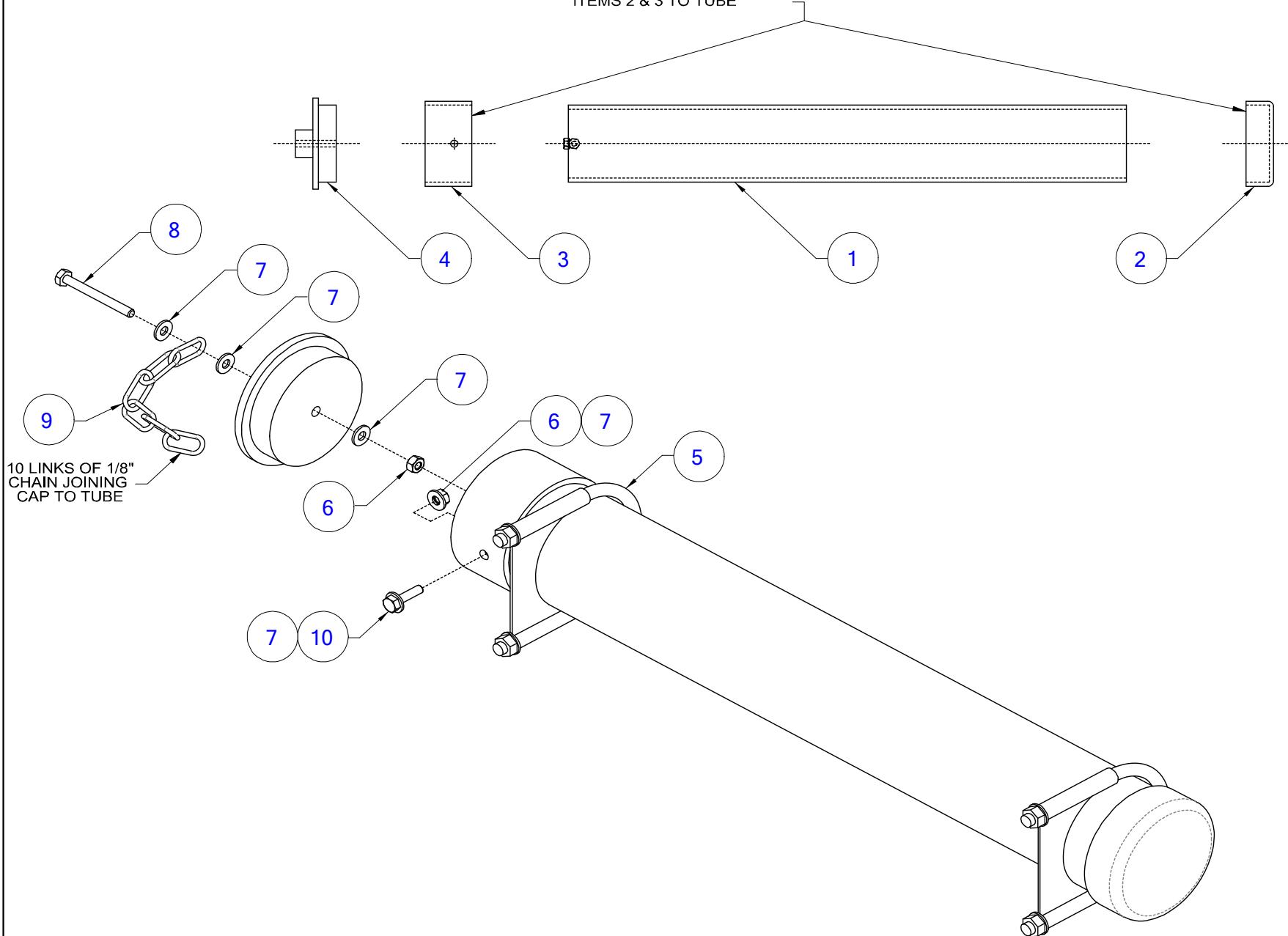
AFTER 40 HOURS OR 4 DAYS (IF REQUIRED, SEE NOTE ABOVE)

Item No.	Part Number	Part Name	Qty.
1	R032469-001	ASSY, PIN 2.5" DIA	1
2	R026177-001	THRUST WASHER - 1/8"	2
3	R3B0064-002	SEAL RING RWK	2
4	R026177-002	THRUST WASHER - 1/16"	2

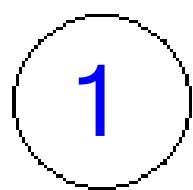
OPTIONS, DRAWING TUBE, D SIZE

KOMATSU

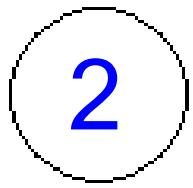
NOTE:
USE ABS CEMENT TO GLUE
ITEMS 2 & 3 TO TUBE



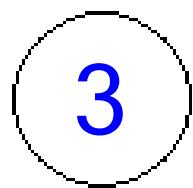
Item No.	Part Number	Part Name	Qty.
1	R010851-002	HOLDER	1
2	R011402-001	CAP - 3"	1
3	R011403-001	ADAPTER	1
4	R011404-001	PLUG - 3"	1
5	R391081-148	CLAMP - 3 1/2"	2
6	R106769	LOCK NUT - 0.250-20NC,STOVER,G8,CZ	2
7	R128617	WASHER, FLAT - N,0.25,0.063T,300HV,G9,CZ	5
8	R-Q95079679	HHCS - 0.25-20NCx2.5,G8,PT,CZ	1
9	R101279	STEEL CHAIN	1
10	R800433	HHCS - 0.25-20NCx1,G8,FT,CZ	1



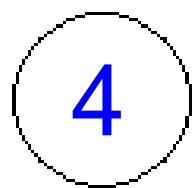
CENTRAL HOUSING



DIFFERENTIAL

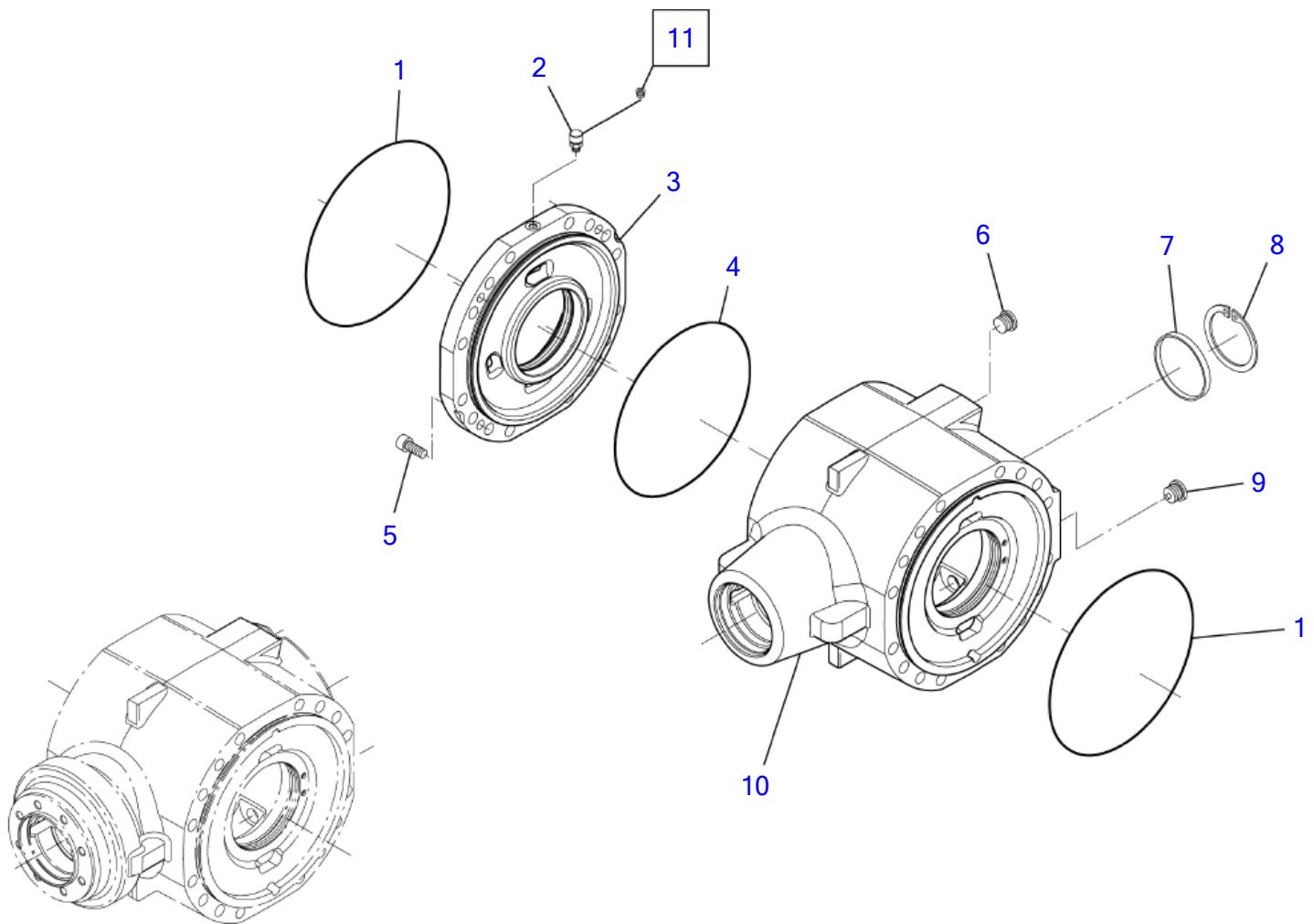


HUB REDUCTION

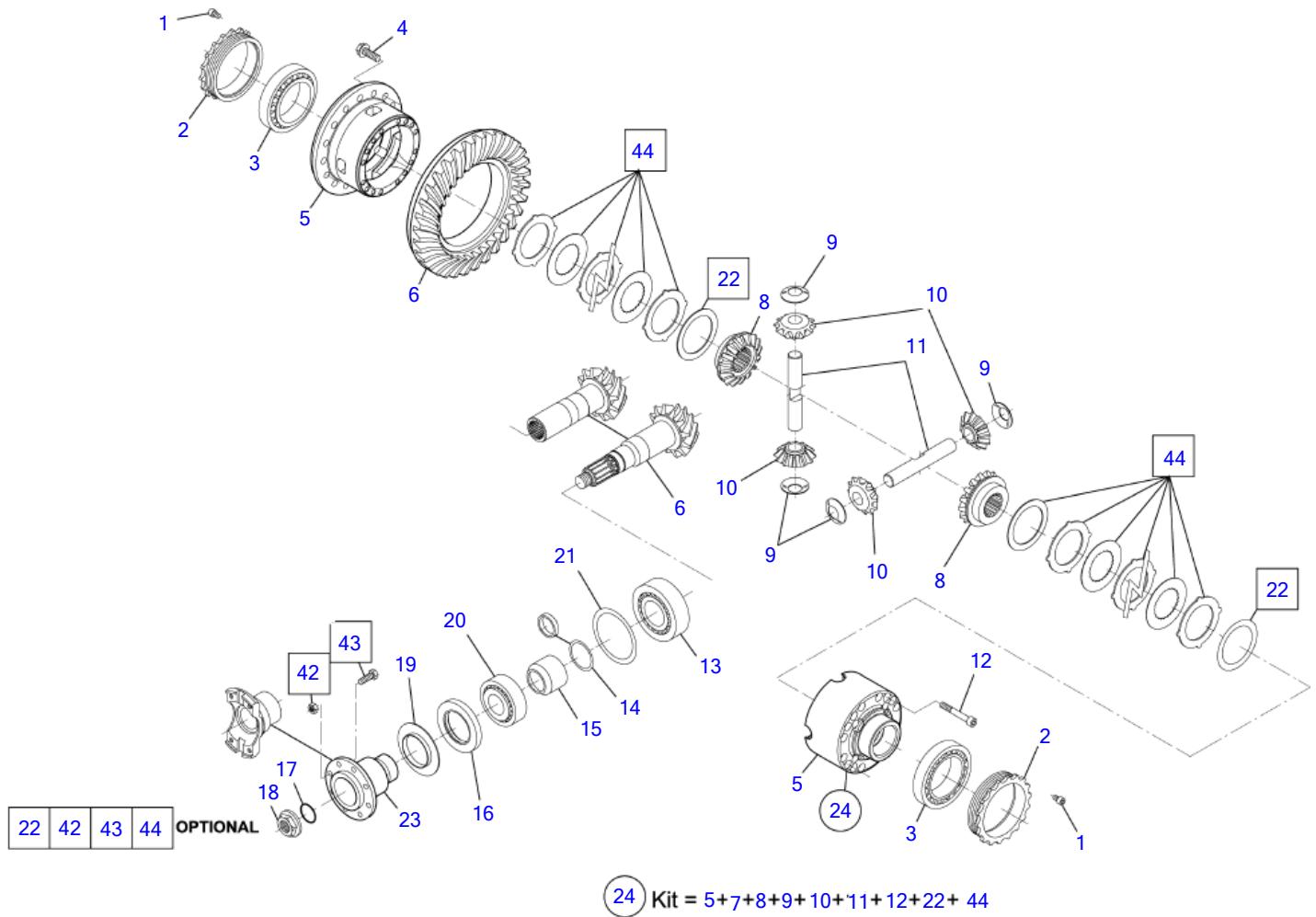


BRAKES

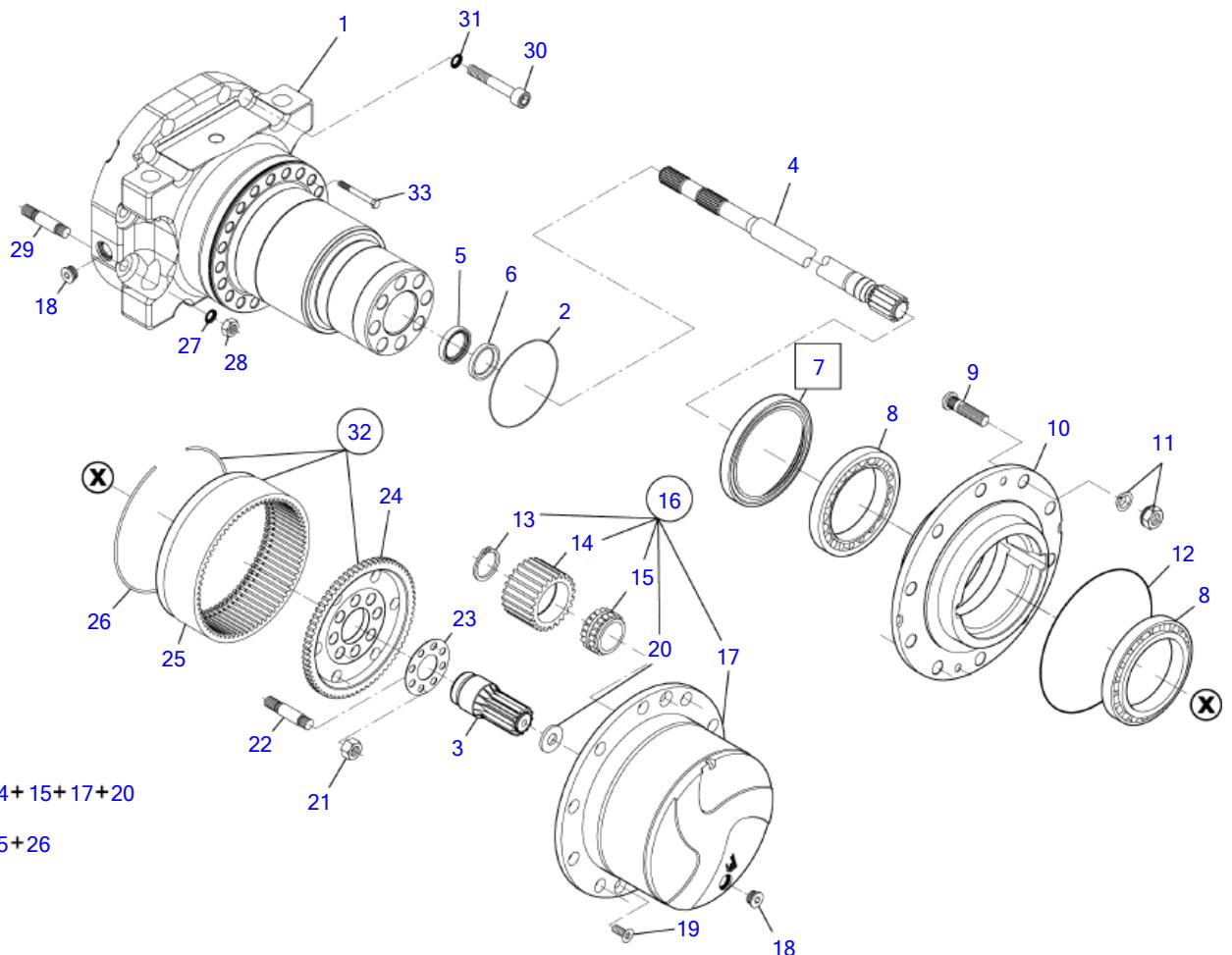
Item No.	Part Number	Part Name	Qty.
1		CENTRAL HOUSING - 182 AXLE	1
2		DIFFERENTIAL - 182 AXLE	1
3		HUB REDUCTION - 182 AXLE	1
4		BRAKES - 182 AXLE	1

CENTRAL HOUSING - 182 AXLE

Item No.	Part Number	Part Name	Qty.
1	R019252-100	O-RING	2
2	RH011607	PLUG	1
3	R019252-102	INTERMEDIATE COVER	1
4	R026976-129	O-RING	1
5	R019252-104	BOLT	1
6	RH011608	PLUG	1
7	R019252-106	PLUG	1
8	R019252-107	CIRCLIP	1
9	RH011609	PLUG	1
10	R019253-193	HOUSING	1

DIFFERENTIAL - 182 AXLE

Item No.	Part Number	Part Name	Qty.
1	R019252-110	BOLT	2
2	R019252-111	RING NUT	2
3	R019252-112	ROLLER BEARING	2
4	R019252-117	BOLT	16
5	R019252-114	DIFFERENTIAL CARRIER	1
6	R019252-115	BEVEL GEAR SET	1
8	RH000969	DIFFERENTIAL SIDE GEAR	2
9	RH000970	WASHER	4
10	RH000971	DIFFERENTIAL PINION	4
11	R026976-117	DIFFERENTIAL SHAFT	2
12	R026976-114	BOLT	15
13	R019253-131	ROLLER BEARING	1
14	R026976-109	RING KIT	1
15	R026976-108	SPACER	1
16	R019252-120	SEAL	1
17	R019253-116	O-RING	1
18	R019252-129	NUT - Repl. by 017947-001.	1
19	R019253-118	COVER PLATE	1
20	R019252-139	ROLLER BEARING	1
21	R019252-198	SHIM KIT	1
23	R019252-125	FLANGE	1
24	RH000972	DIFFERENTIAL KIT	1
44	R026976-120	CLUTCH DISC	2

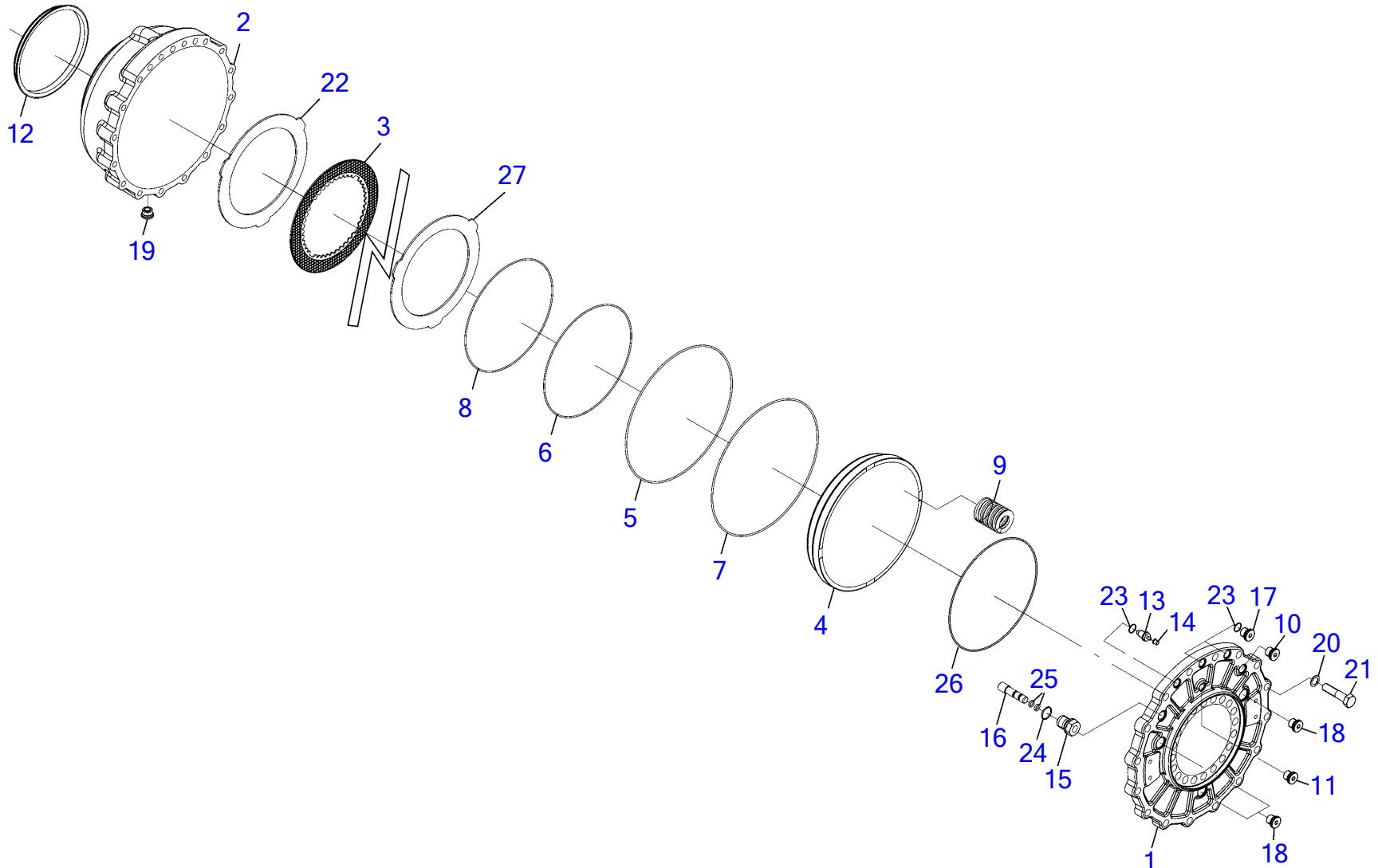
HUB REDUCTION - 182 AXLE

Item No.	Part Number	Part Name	Qty.
1	RH000938	AXLE CASE	2
2	R019252-197	O-RING	2
3	R026976-132	PINION	2
4	RH000939	HALF SHAFT	2
5	R026976-125	SEAL	2
6	RH011610	CENTERING RING	2
8	R019252-147	ROLLER BEARING	4
9	RH000940	WHEEL STUD	20
10	RH011611	WHEEL HUB	2
11	RH000942	NUT	20
12	RH011676	O-RING	2
13	R019252-158	SNAP RING	6
14	R019252-159	PLANET GEAR	6
15	R019252-160	BEARING	6
16	RH011677	PLANET GEAR CARRIER KIT	2
17	RH011678	PLANET GEAR CARRIER	2
18	RH011679	PLUG	2
19	R019252-163	BOLT	4
20	R019252-157	FRICTION WASHER	2
21	R019252-156	NUT	16
22	RH001627	STUD	16
23	R019252-154	LOCKING PLATE	2
24	R019252-153	RING GEAR SUPPORT	2
25	R026976-131	RING GEAR	2
26	R019252-151	CIRCLIP	2
27	R019252-171	WASHER	8
28	R019252-169	NUT	8
29	R019252-170	BOLT	8
30	R019252-166	CYLINDER BOLT	16
31	R019252-168	SPRING WASHER	16
32	R026976-133	RING GEAR SUPPORT	2
33	RH011680	BOLT	40

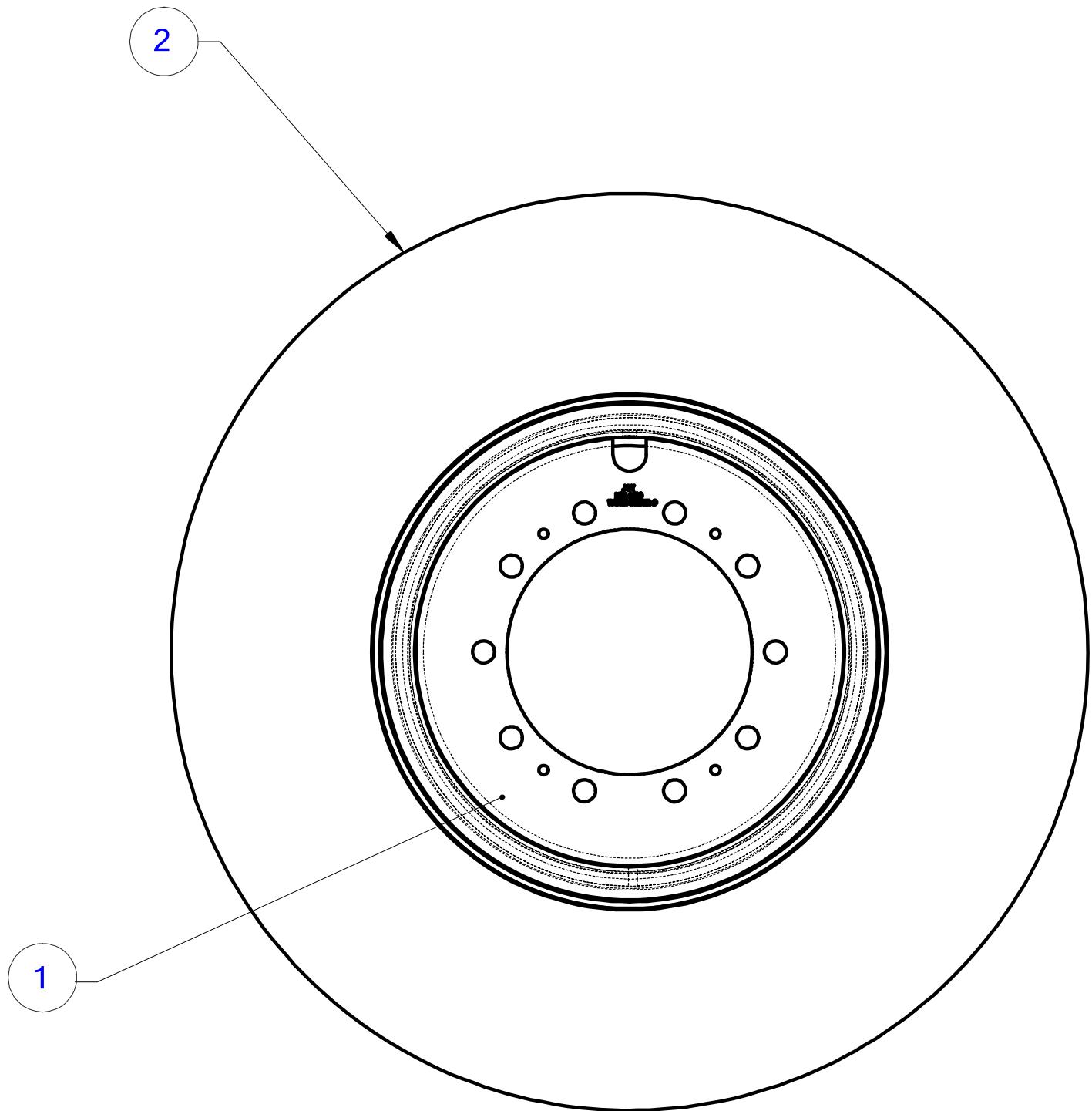
21-4895: LT-270 - MINERO DIESEL

BRAKES - 182 AXLE

KOMATSU



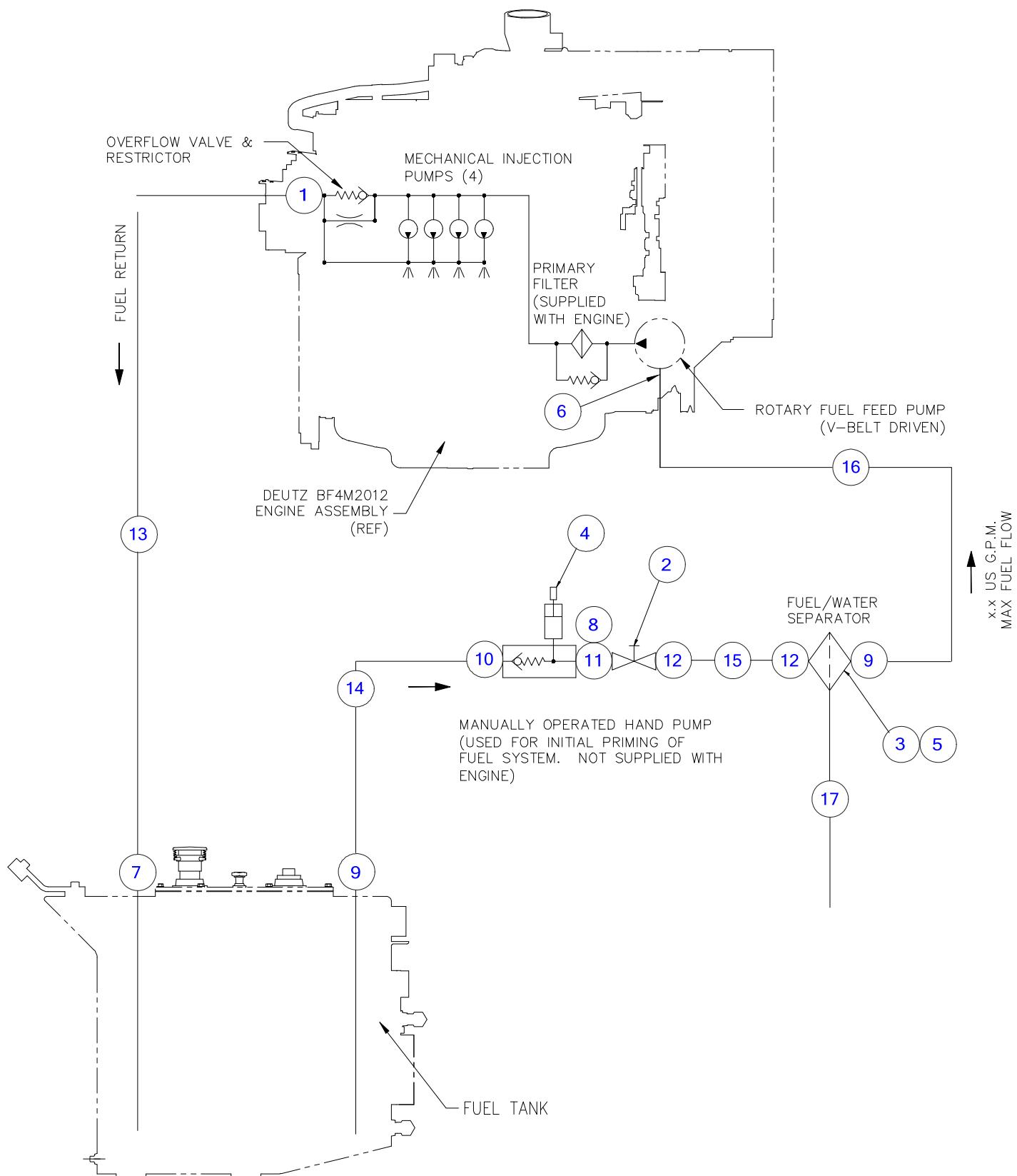
Item No.	Part Number	Part Name	Qty.
1	RH011681	COVER	2
2	RH011682	COVER	2
3	RH011683	BRAKE DISC	8
4	RH011684	PISTON	2
5	RH011685	SEAL	2
6	RH011686	SEAL	2
7	RH011687	O-RING	2
8	RH011688	O-RING	2
9	RH000958	SPRING	32
10	RH011689	PLUG	2
11	RH011690	PLUG	2
12	RH011691	SEAL	2
13	RH011692	BLEEDING BOLT	2
14	R019252-174	PLUG	2
15	RH011693	SUPPORT	2
16	RH011694	PIN	2
17	RH011695	PLUG	4
18	RH011696	PLUG	6
19	RH011697	PLUG - OBSOLETE, USE H011609	2
20	RH000948	SPRING WASHER	32
21	RH000950	BOLT	32
22	RH011698	BRAKE DISC - INTERMEDIATE	2
23	R036619-111	O-RING	6
24	RH000945	O-RING	2
25	RH000944	O-RING	4
26	RH011699	O-RING	2
27	RH011700	BRAKE DISC - INTERMEDIATE	8

ASSY, 182 AXLE TIRE

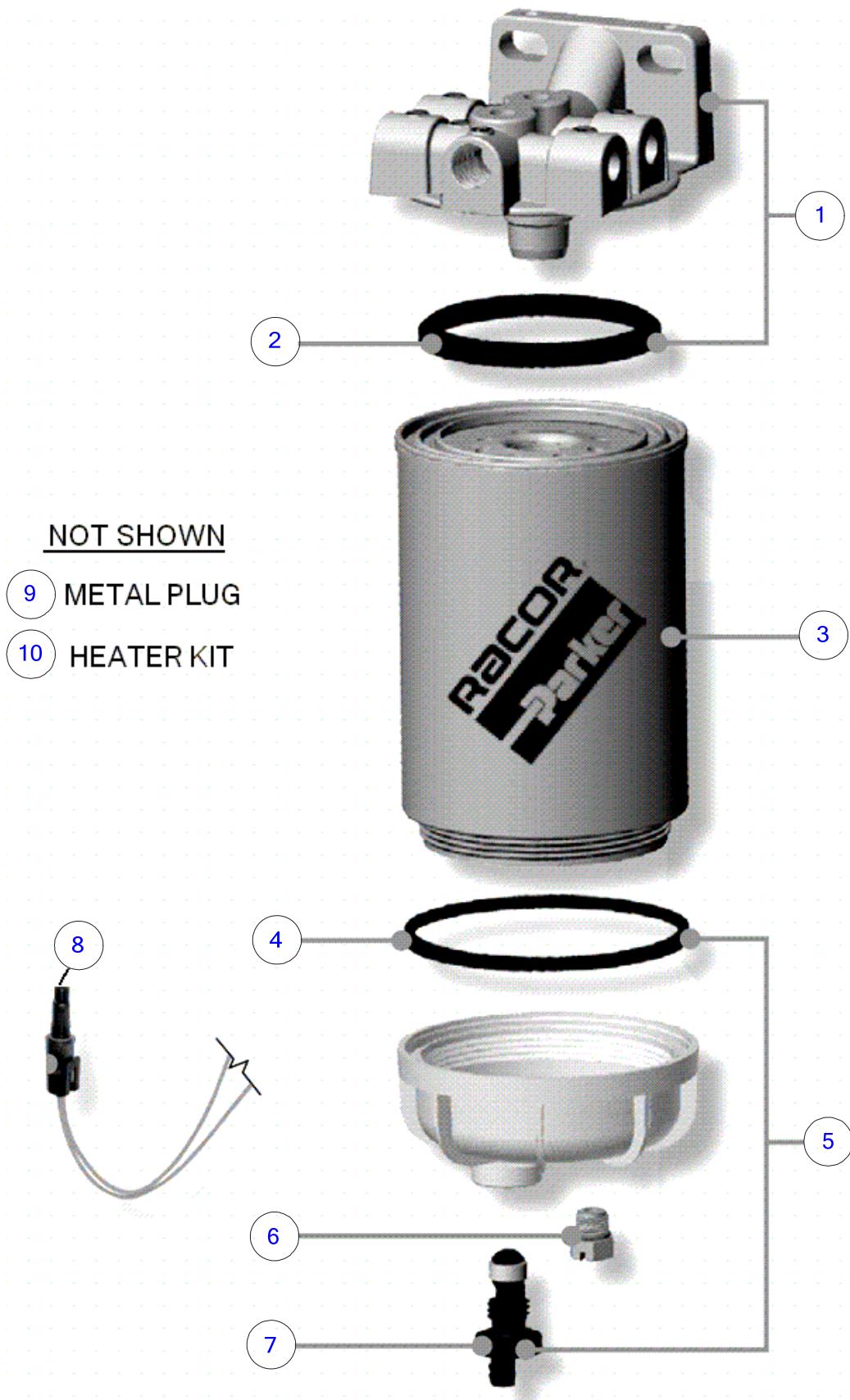
21-4895: LT-270 - MINERO DIESEL



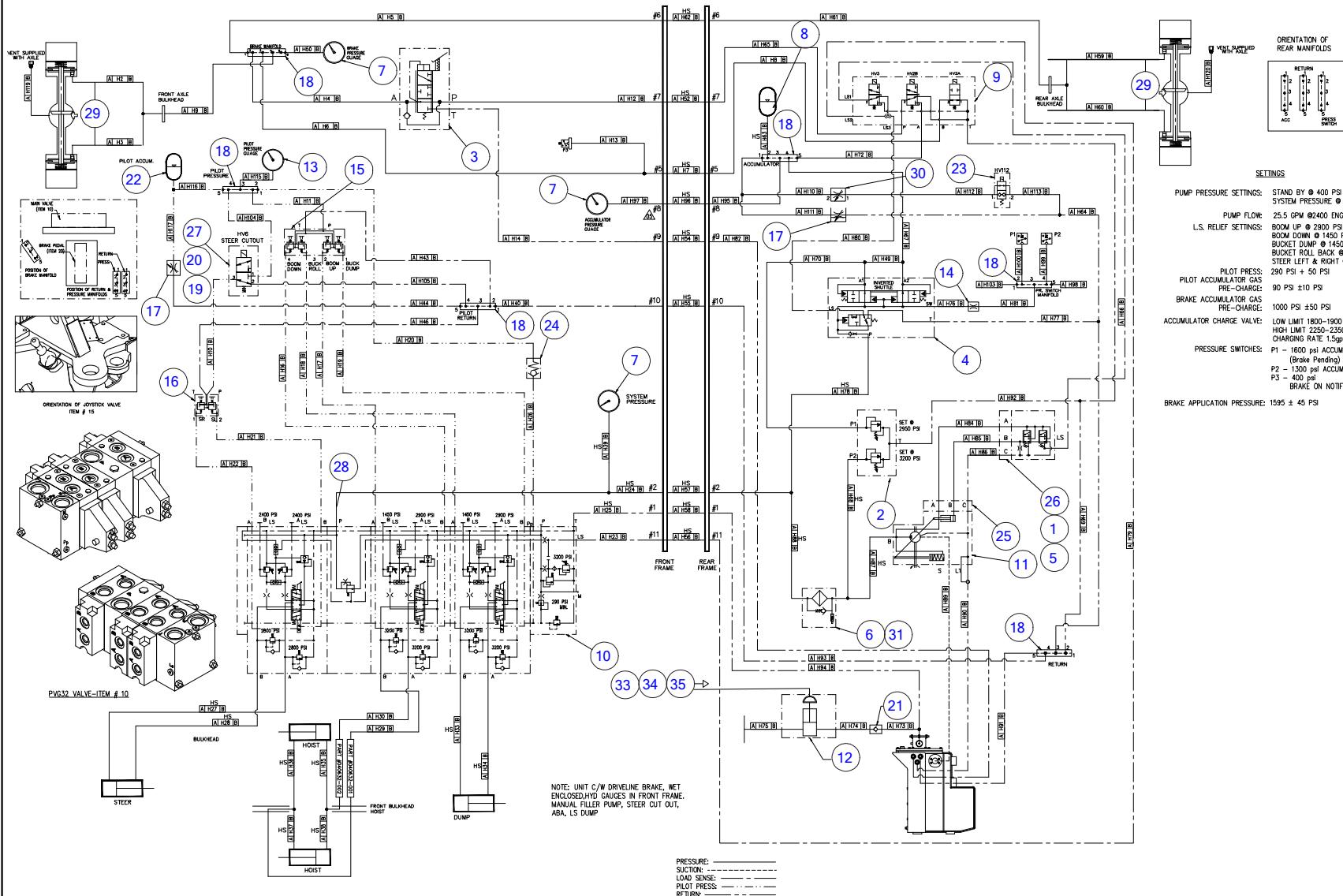
Item No.	Part Number	Part Name	Qty.
1	RH006400	RIM - LT-270, 182 AXLE	1
2	R803145	TIRE - 9:50x20, L-5 Slick	1

FUEL SYS ENG BF4M2012C,RAYCOR

Item No.	Part Number	Part Name	Qty.
1	R018981-001	ADAPTER - #6MJIC TO 14MM BANJO	1
2	R391050-1	VALVE, SHUT-OFF - #6NPT,F, #6NPT,F	1
3	R008765-001	FUEL FILTER / WATER SEP.	1
4	R206682	LIFT PUMP - Fuel	1
5	R006634-001	WATER SEPARATOR MOUNT	1
6	R800488	ADAPTER - ST,#8JIC,M,16MET,M	1
7	R100297	ADAPTER - ST,#6NPT,M,#6JIC,M	1
8	R118062	ADAPTER - 2018-6-8	1
9	R100301	ELBOW - 90,#6NPT,M,#8JIC,M	2
10	R801767	ADAPTER - ST,#8JIC,M,18MET,M	1
11	R144320	ELBOW - 90,#8JIC,M,18MET,M,ADJ	1
12	R101002	ADAPTER - ST,#6NPT,M,#8JIC,M	2
13	R144452	HOSE ASS'Y - 6MP STX90X13" LG	1
14	R102983	HOSE ASS'Y - 8MP STR&STRX40	1
15	R136808	HOSE ASS'Y - 8MP STX90X19"LG	1
16	R100244	HOSE ASS'Y - 8MP STX90X48" LG	1
17	R020039-003	VENT LINE - 4'	1

FUEL FILTER / WATER SEP.

Item No.	Part Number	Part Name	Qty.
1	R008765-002	MOUNTING HEAD KIT -3/8"-18	1
2	R008765-003	ELEMENT GASKET KIT - FUEL/WATER	1
3	R008766-001	ELEMENT, FUEL/WATER - 30 micron	1
4	R008765-006	BOWL GASKET KIT	1
5	R008765-007	CLEAR BOWL KIT	1
6	R008765-008	PLUG KIT -1/2" SAE	1
7	R008765-009	DRAIN VALVE ASSEMBLY KIT	1
8	R008765-010	WATER PROBE KIT	1
9	R008765-011	METAL PLUG -3/8" NPTF	1
10	R008765-012	HEATER CONNECTOR KIT	1

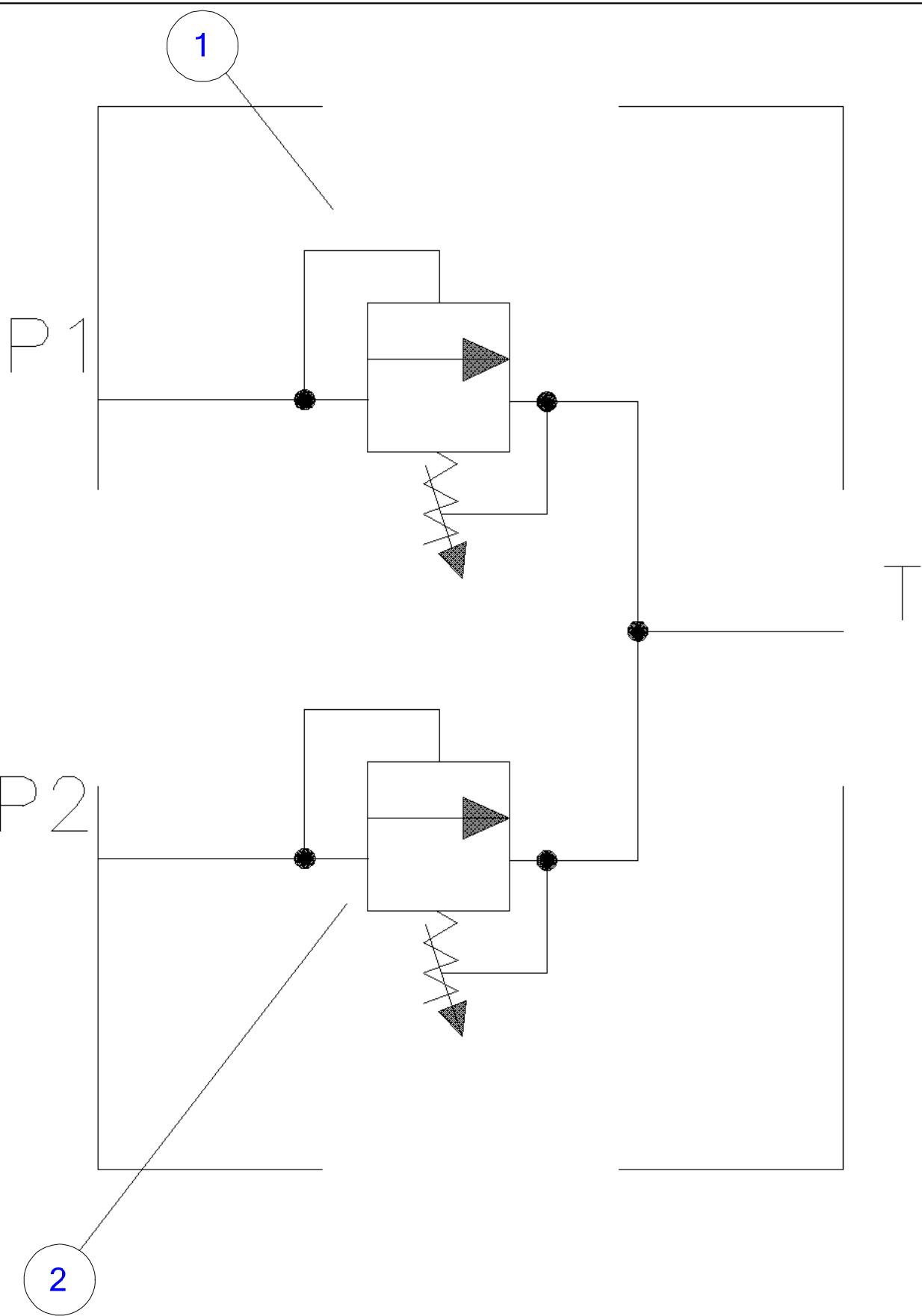


21-4895: LT-270 - MINERO DIESEL

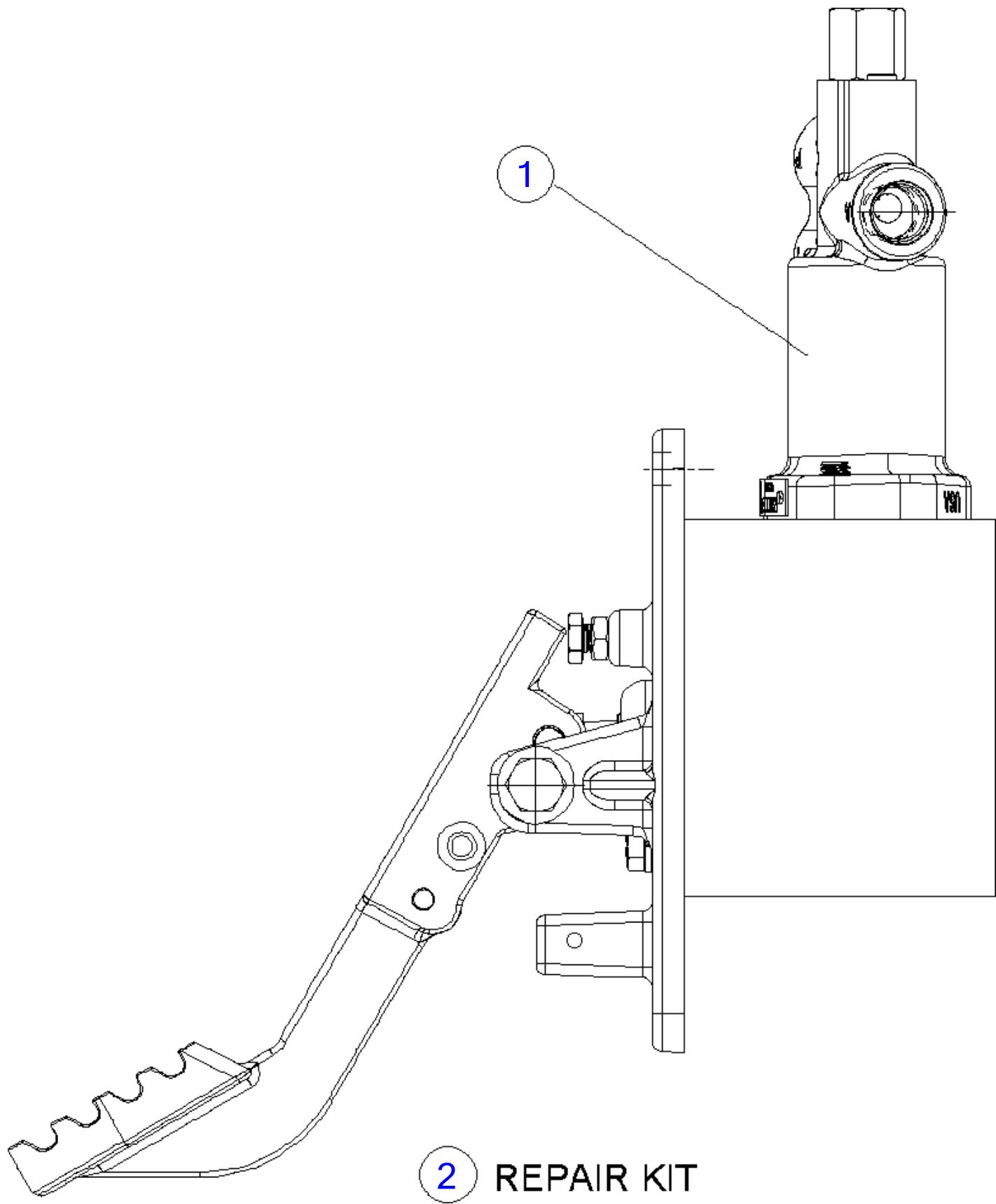
SCH, HYD, LT-270, SAHR AXLE

KOMATSU

Item No.	Part Number	Part Name	Qty.
1	R117383	SHCS - M6-1x30,G10.9,FT,CZ	4
2	R025243-001	DUAL RELIEF VALVE MANIFOLD	1
3	R040597-001	VALVE, BRAKE PEDAL, REV MOD	1
4	R391008-62	L.S. CHARGE VALVE	1
5	R800460	O-RING	3
6	R039679-001	FILTER, PRESSURE, PRIVATE LABEL	1
7	R032295-002	ASSY, GAUGE, PANEL MNT - 5000 PSI	3
8	R391347-2	ACCUMULATOR - 1/2 Gal.	1
9	R024563-001	LOAD SENSE MANIFOLD	1
10	R025353-001	DIR. CONT. VALVE - PVG32/3	1
11	R014905-004	HYDRAULIC PUMP	1
12	R011670-001	HAND PUMP, PISTON-PUSH/PULL	1
13	R037122-002	ASSY, GAUGE - 1000PSI	1
14	R140099	PRESSURE SNUBBER - #4	1
15	R391095-136	JOYSTICK, DUAL AXIS	1
16	R005497-001	STEER JOYSTICK REWORK	1
17	R391126-1	SHUT OFF VALVE	2
18	R391386-15	MANIFOLD - 5 Port	6
19	R391358-25	BODY	1
20	R391358-28	COIL, DIN STYLE CONNECTOR-D - 24VDC	1
21	R391093-2	CHECK VALVE - 5 PSI	1
22	R013078-001	ACCUMULATOR - 1 LITRE	1
23	R028416-002	POPPET VALVE - 2W/2P	1
24	R801509	CHECK VALVE - 5 PSI	1
25	R3T4140	PUMP MANIFOLD	1
26	R3T4141	COMPENSATOR MANIFOLD - Remote	1
27	R391358-22	SOLENOID CARTRIDGE - 3 Way / 2 Pos.	1
28	R019866-002	ADAPTER, C/WO'RING - ST,#12JIC,M,#16BSPP,M	1
29	R012068-002	ADAPTER 9068-4-14	4
30	R026496-002	NEEDLE VALVE	1
31	R039679-002	VISUAL INDICATOR	1
32	R025356-082	PLUMBING KIT	1
33	R106537	BREATHER VENT - 1/8" NPT	1
34	R101436	PIPE COUPLING - 0.750NPT,FS3000	1
35	R108645	ELBOW - 90,#12NPT,M,#12NPT,M	1

DUAL RELIEF VALVE MANIFOLD

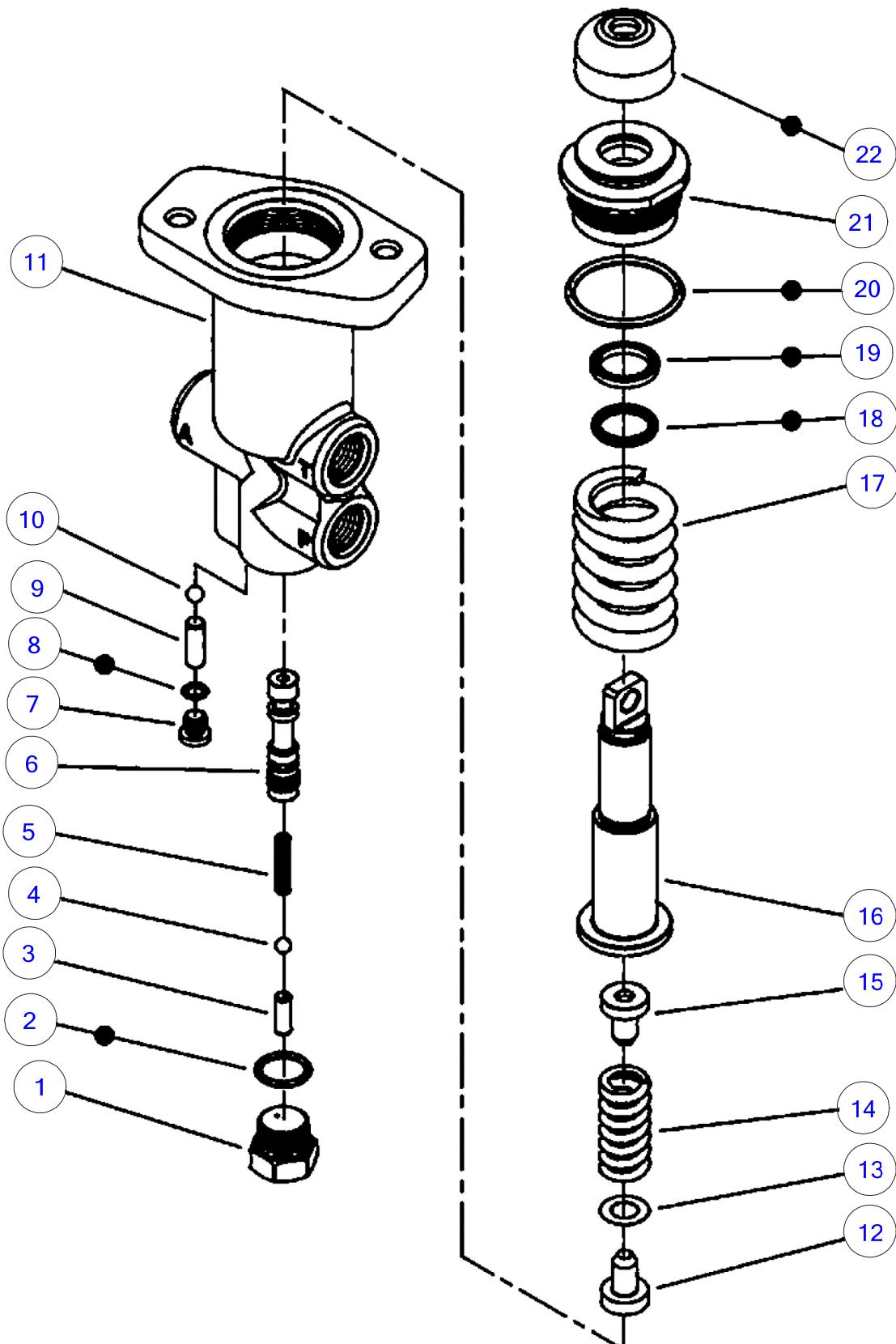
Item No.	Part Number	Part Name	Qty.
1	R025243-010	CARTRIDGE	1
2	R025243-011	CARTRIDGE	1

VALVE, BRAKE PEDAL, REV MOD

21-4895: LT-270 - MINERO DIESEL



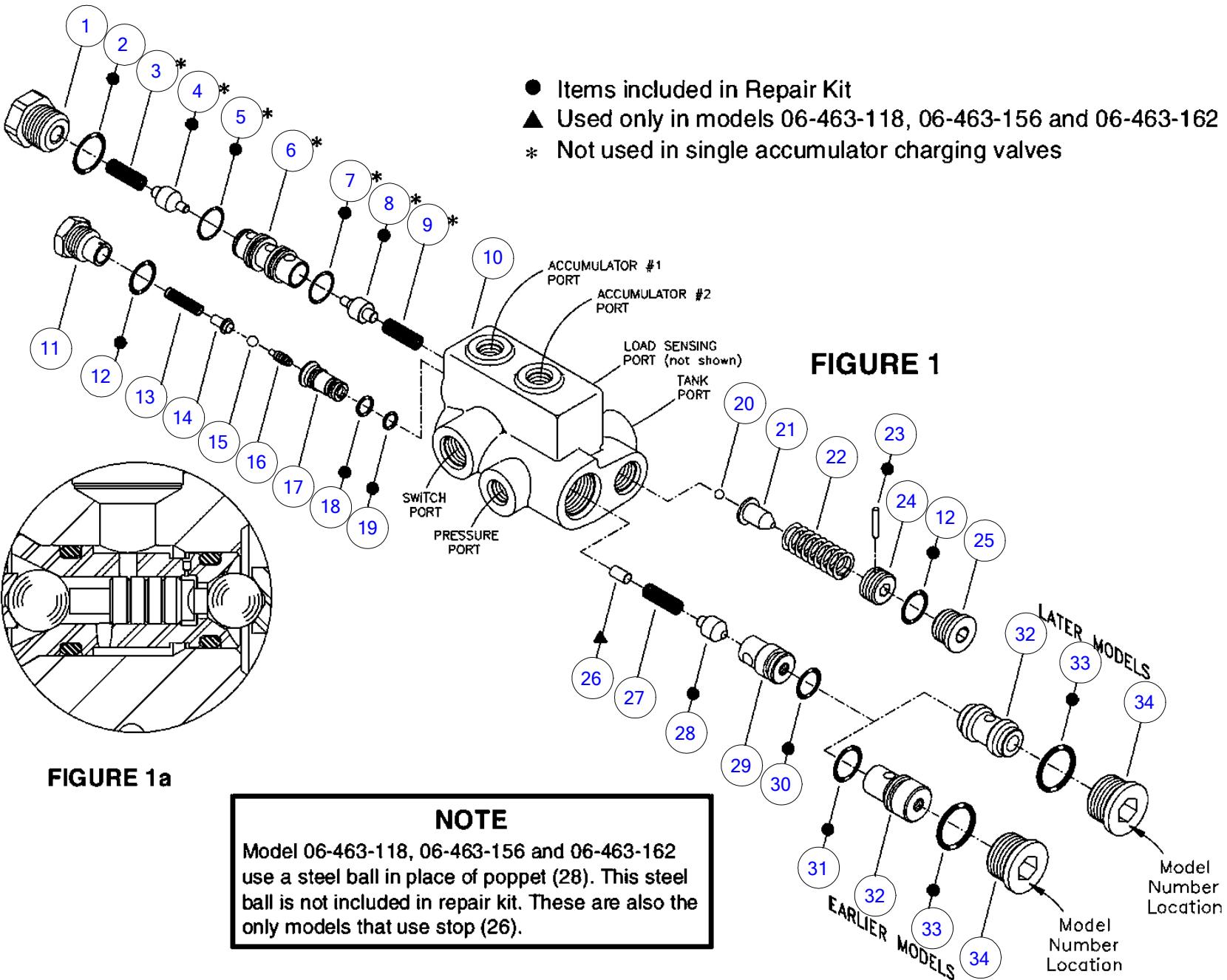
Item No.	Part Number	Part Name	Qty.
1	RH000906	REVERSE MODULATING VALVE	1
2	RH000905	REPAIR KIT	1

REVERSE MODULATING VALVE

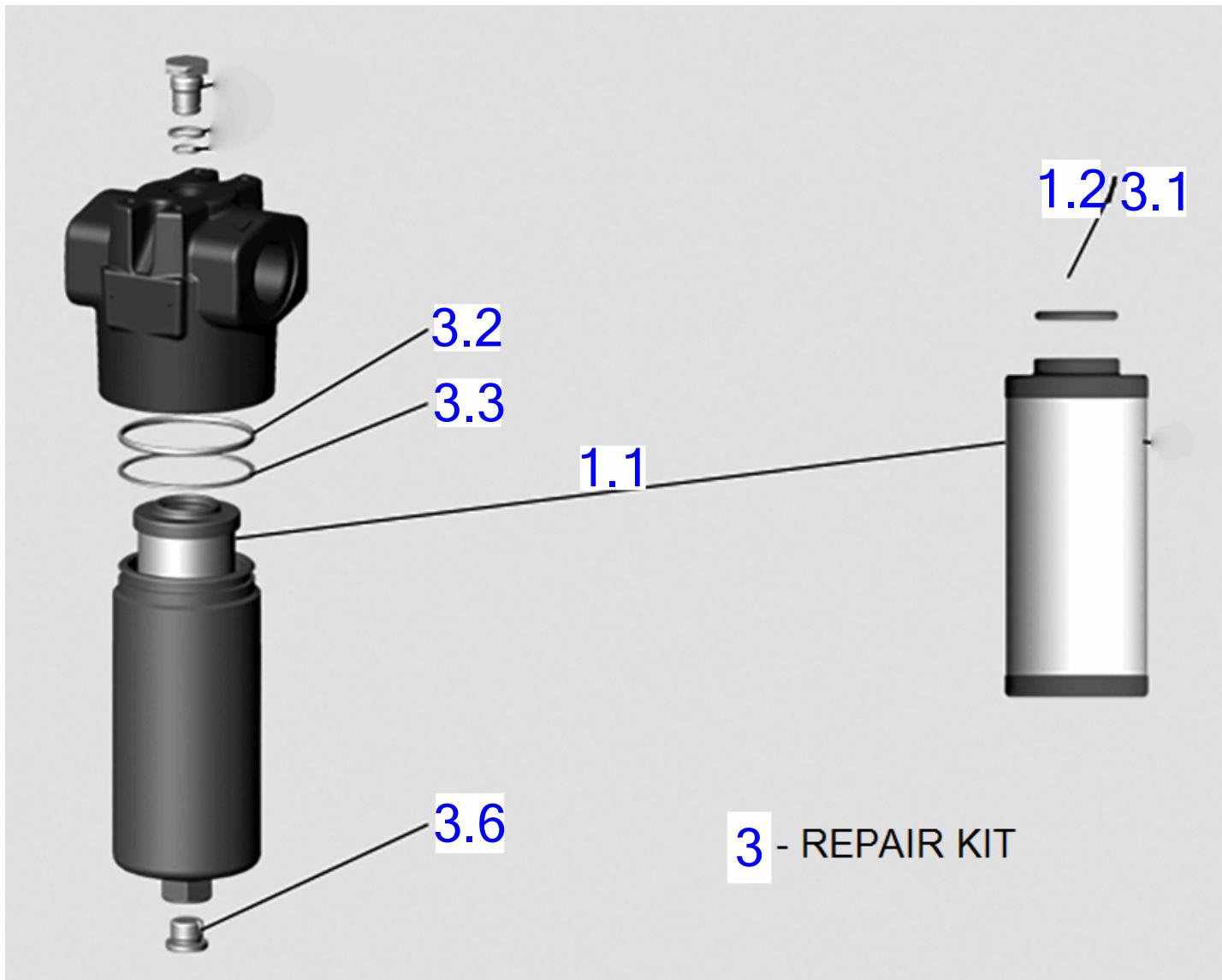
- Items included in Repair Kit

Item No.	Part Number	Part Name	Qty.
1		END PLUG	1
2		O-RING	1
		Items included in the Repair Kit.	
3		DOWEL PIN	1
4		BALL	1
5		SPRING	1
6		SPOOL	1
7		PLUG	1
8		O-RING	1
		Items included in the Repair Kit.	
9		DOWEL PIN	1
10		BALL	1
11		HOUSING	1
12		RETAINER ASS'Y	1
13		SHIMS	1
14		SPRING	1
15		RETAINER	1
16		PUSH ROD	1
17		SPRING	1
18		QUAD RING	1
		Items included in the Repair Kit.	
19		CUP	1
		Items included in the Repair Kit.	
20		O-RING	1
		Items included in the Repair Kit.	
21		PLUG	1
22		BOOT	1
		Items included in the Repair Kit.	
23	RH000905	REPAIR KIT	REF.

L.S. CHARGE VALVE

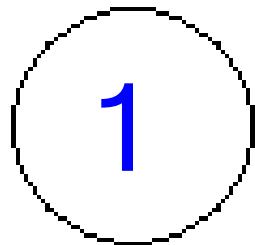


Item No.	Part Number	Part Name	Qty.
1		PLUG	1
2		O-RING	1
		Items included in Repair Kit # 391008-73	
3		SPRING	3
4		POPPET	2
		Items included in Repair Kit # 391008-73	
5		O-RING	1
		Items included in Repair Kit # 391008-73	
6		SLEEVE	1
7		O-RING	1
		Items included in Repair Kit # 391008-73	
8		POPPET	1
		Items included in Repair Kit # 391008-73	
9		SPRING	1
10		HOUSING	1
11		PLUG	1
12		O-RING	1
		Items included in Repair Kit # 391008-73	
13		SPRING	1
14		STOP	1
15		BALL	1
16		SPOOL	1
17		INSERT	1
18		O-RING	1
		Items included in Repair Kit # 391008-73	
19		O-RING	1
		Items included in Repair Kit # 391008-73	
20		BALL	1
21		RETAINER	1
22		SPRING	1
23		PIN	1
		Items included in Repair Kit # 391008-73	
24		SCREW	1
25		PLUG	1
26		STOP	1
27		SPRING	1
28		STEEL BALL	1
		Items included in Repair Kit # 391008-73	
29		ORIFICE	1
30		O-RING	1
		Items included in Repair Kit # 391008-73	
31		O-RING	1
		Items included in Repair Kit # 391008-73	
32		SLEEVE	1
33		O-RING	1
		Items included in Repair Kit # 391008-73	
34		PLUG	1

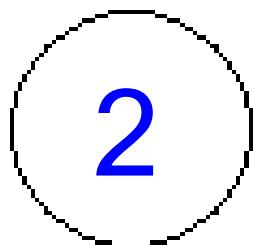
FILTER, PRESSURE, PRIVATE LABEL

Item No.	Part Number	Part Name	Qty.
1.1	R039679-004	FILTER ELEMENT	1
1.2	R391033-14	O-RING	1
3	R039679-100	REPAIR KIT	REF.
3.1	R391033-14	O-RING	REF.
		Included in Repair Kit.	
3.2		O-RING - BOWL	REF.
		Included in Repair Kit.	
3.3		BACK-UP RING - BOWL	REF.
		Included in Repair Kit.	
3.4		PROFILE SEAL RING - INDICATOR	REF.
		Included in Repair Kit.	
3.5		O-RING - INDICATOR	REF.
		Included in Repair Kit.	
3.6	R039679-101	OIL DRAIN PLUG	REF.
		Included in Repair Kit.	

ASSY, GAUGE, PANEL MNT - 5000 PSI

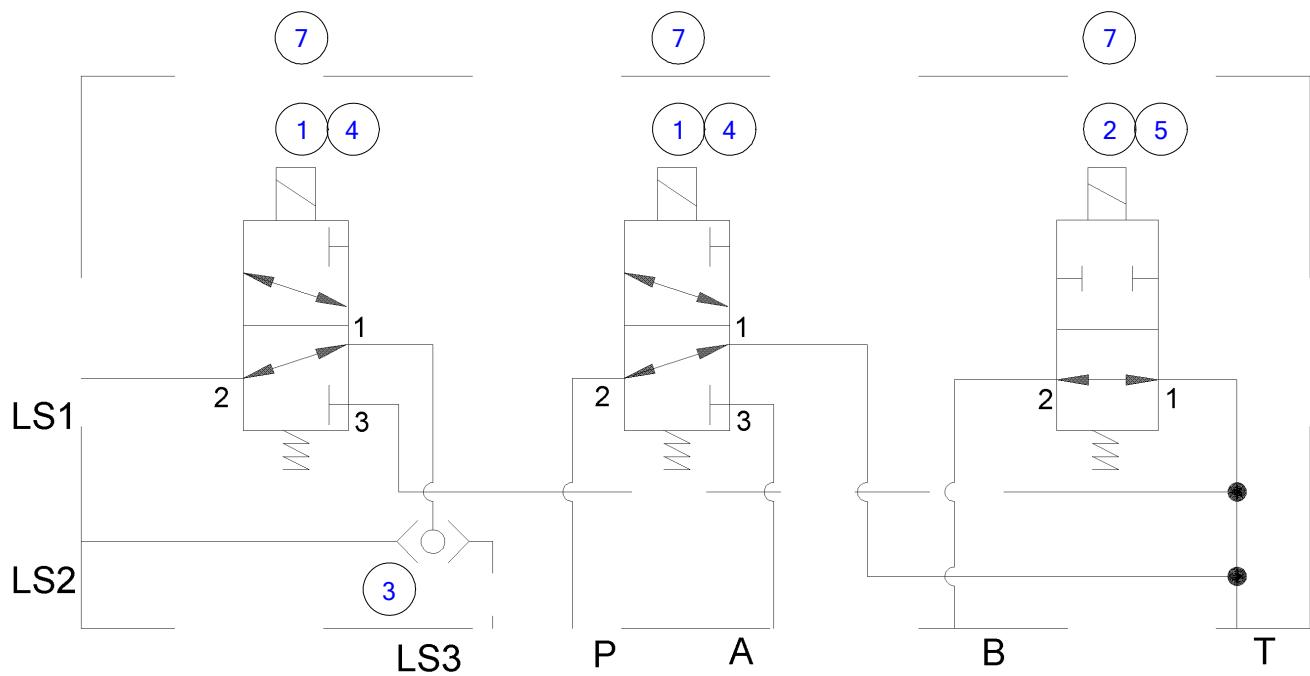


HYD. GAUGE

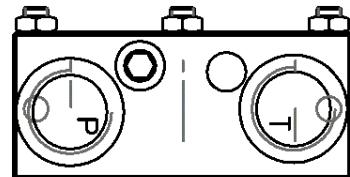


U CLAMP ASS'Y

Item No.	Part Number	Part Name	Qty.
1	R032295-001	HYD. GAUGE - 5000 PSI	1
2	R037124-001	U CLAMP ASS'Y	1

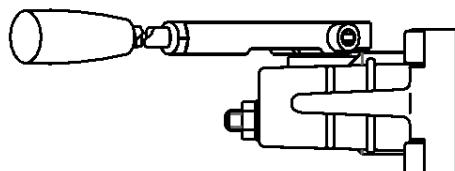
LOAD SENSE MANIFOLD

Item No.	Part Number	Part Name	Qty.
1	R024563-010	CARTRIDGE	2
2	R024563-011	CARTRIDGE	1
3	R024563-012	CARTRIDGE	1
4	R024563-013	COIL	2
5	R024555-011	COIL	1
6	R024563-015	BLOCK	1
7	R024563-016	NUT - for Cartridges	3

DIR. CONT. VALVE - PVG32/3**INLET MODULE**

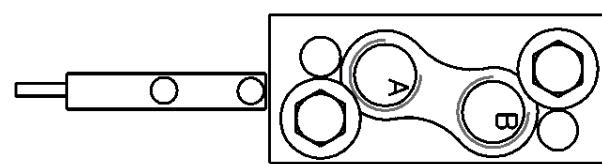
(1) MAIN BODY

(2) SEAL KIT



(3) HANDLE ASSY

(4) SEAL KIT

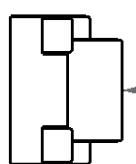


(6) MAIN BODY

(7) MAIN SPOOL

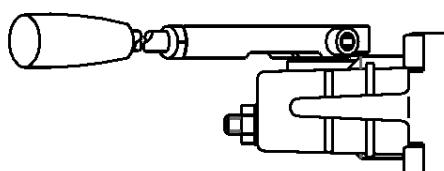
(8) PORT SHOCK VALVE

(9) SECTIONAL SEAL KIT



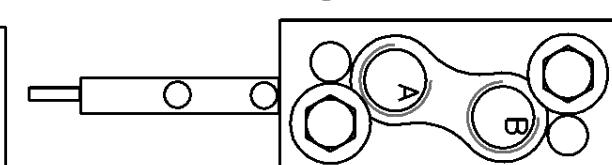
(5) PILOT ASSY

(4) SEAL KIT



(3) HANDLE ASSY

(4) SEAL KIT

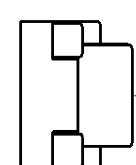


(6) MAIN BODY

(7) MAIN SPOOL

(8) PORT SHOCK VALVE

(9) SECTIONAL SEAL KIT

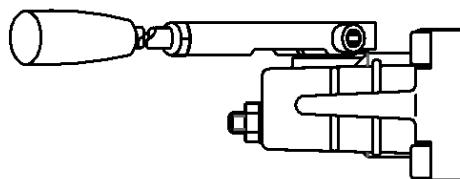


(5) PILOT ASSY

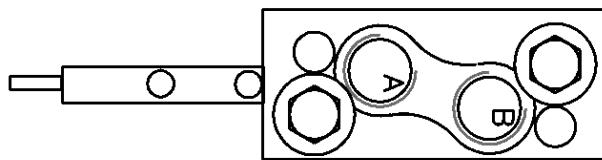
(4) SEAL KIT

DIR. CONT. VALVE - PVG32/3

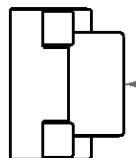
(10) PRIORITY MODULE



(3) HANDLE ASSY



(6) MAIN BODY



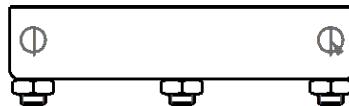
(5) PILOT ASSY

(4) SEAL KIT

(7) MAIN SPOOL

(8) PORT SHOCK VALVE

(9) SECTIONAL SEAL KIT

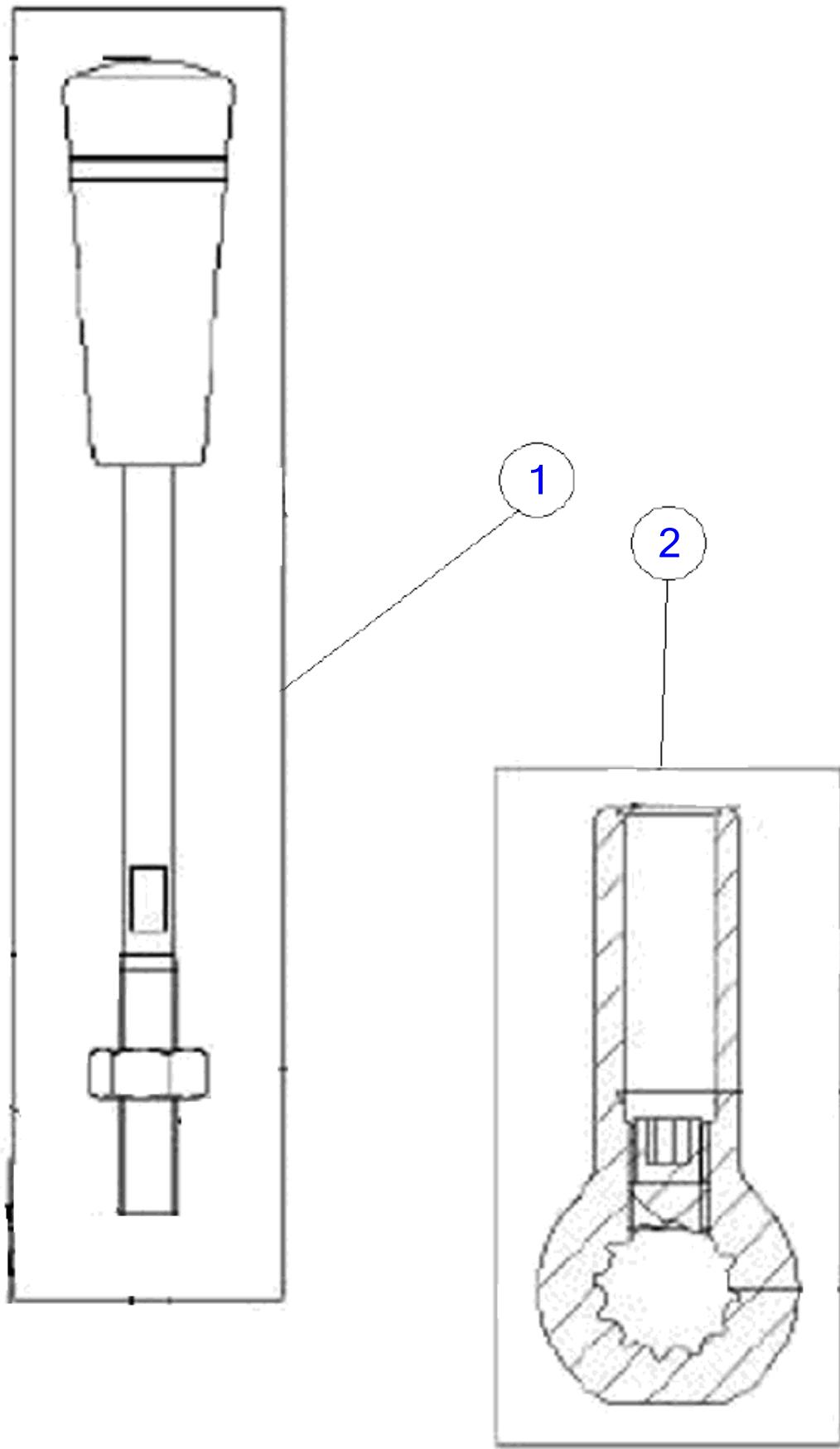


(13) PRIORITY MODULE

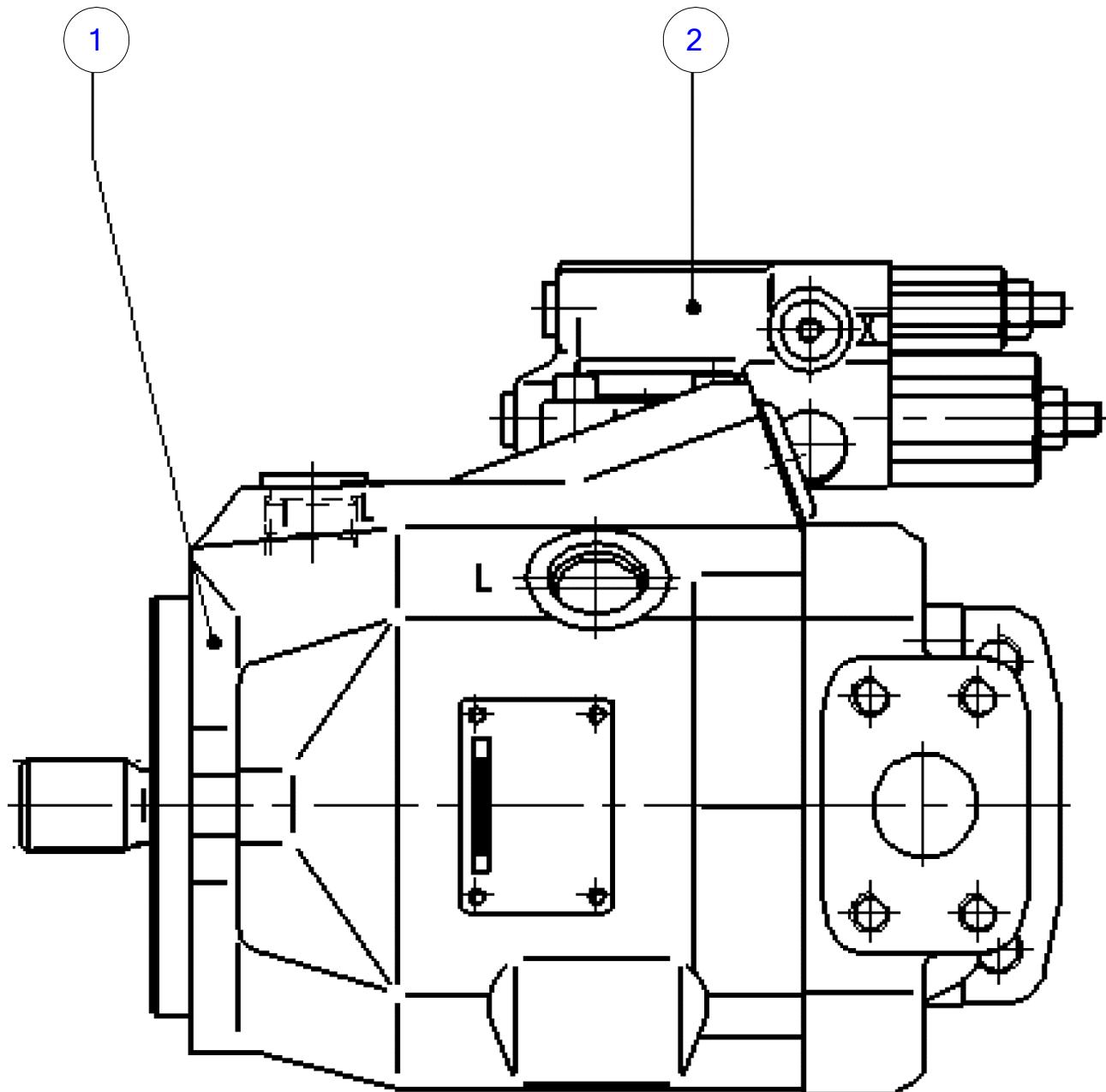
(14) SEALS AND BOLT KIT

Item No.	Part Number	Part Name	Qty.
1	R025371-100	MAIN BODY	1
2	R024147-100	SECTIONAL SEAL KIT	1
3	R024147-101	HANDLE ASS'Y - c/w cover	3
4	R024147-102	SEAL KIT	6
5	R020376-012	PILOT ASS'Y	3
6	R035505-004	MAIN BODY	3
7	R025353-103	MAIN SPOOL	2
8	R026096-101	PORT SHOCK VALVE	2
9	R024147-104	SECTIONAL SEAL KIT	3
10	R020376-013	PRIORITY MODULE	1
11	R026096-100	MAIN SPOOL	1
12	R021293-015	STEERING SHOCK VALVE	1
13	R020376-014	COVER PLATE	1
14	R025371-101	SEALS AND BOLT KIT	1

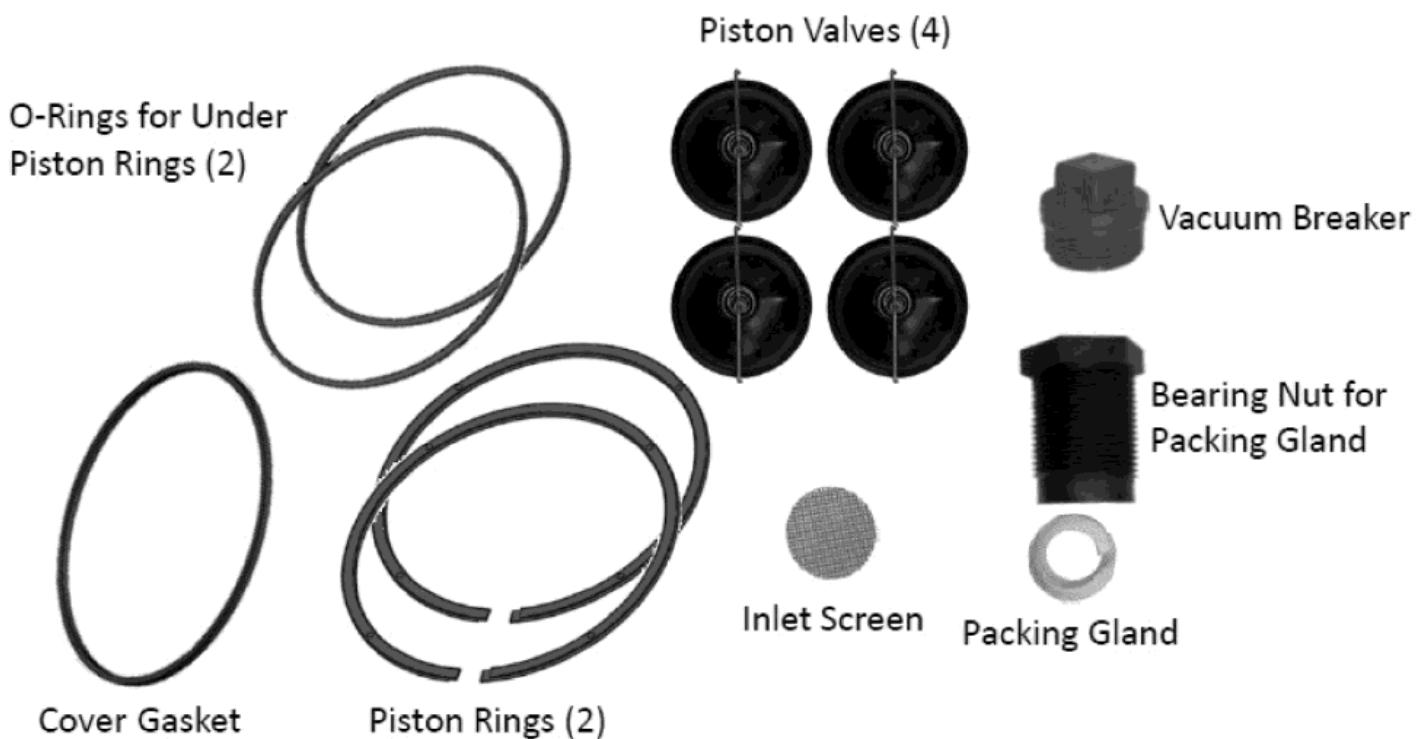
ASSY, HANDLE - C/W COVER



Item No.	Part Number	Part Name	Qty.
1	R024147-115	ASSY, LEVER	1
2	R024147-114	BASE	1

HYDRAULIC PUMP

Item No.	Part Number	Part Name	Qty.
1		PUMP	1
2	R014905-104	CONTROL VALVE	1
		Control valve included with pump assembly	

HAND PUMP, PISTON-PUSH/PULL

21-4895: LT-270 - MINERO DIESEL

KOMATSU

Item No.	Part Number	Part Name	Qty.
1	R203941	REPAIR KIT	1

1

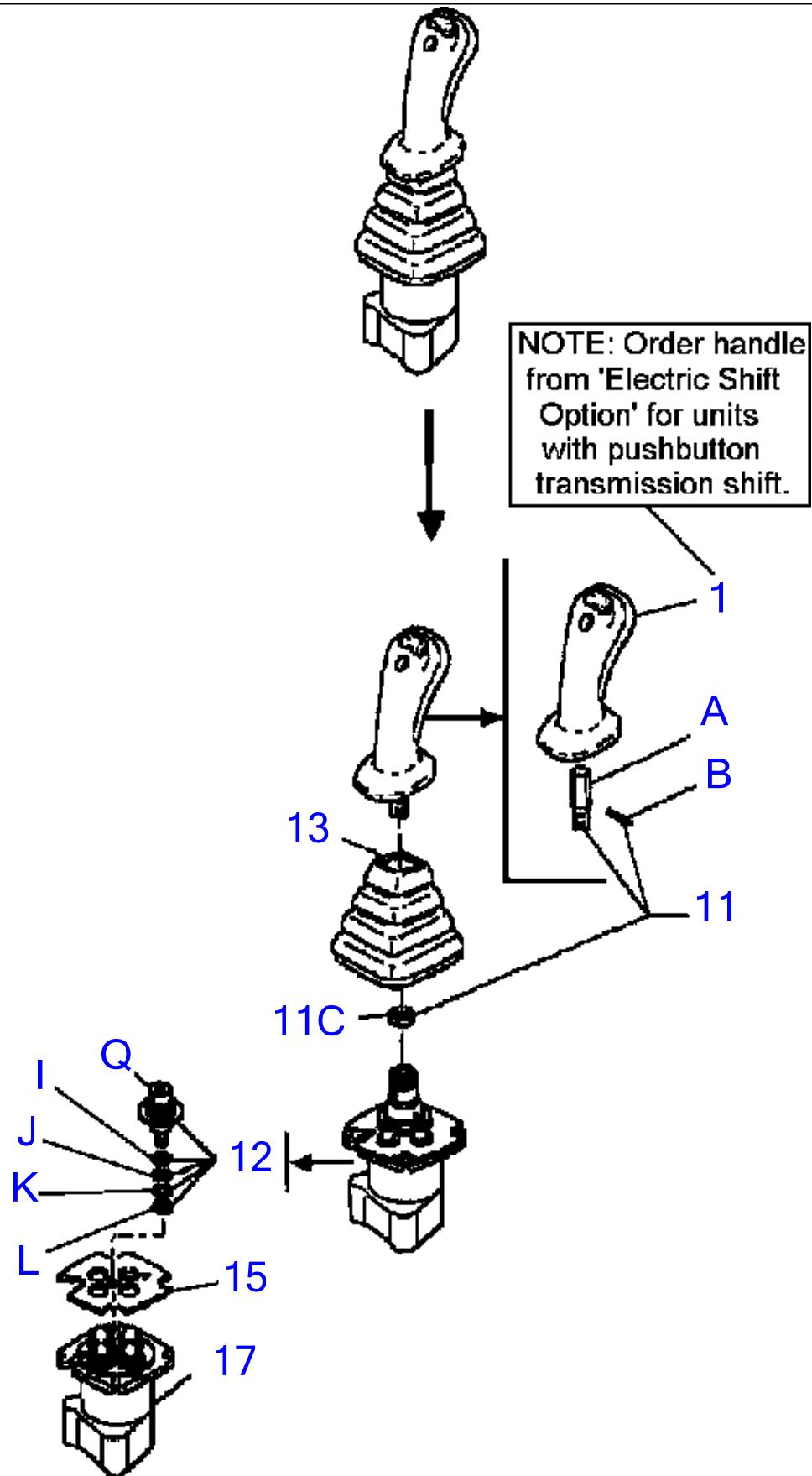
HYDRAULIC GAUGE

2

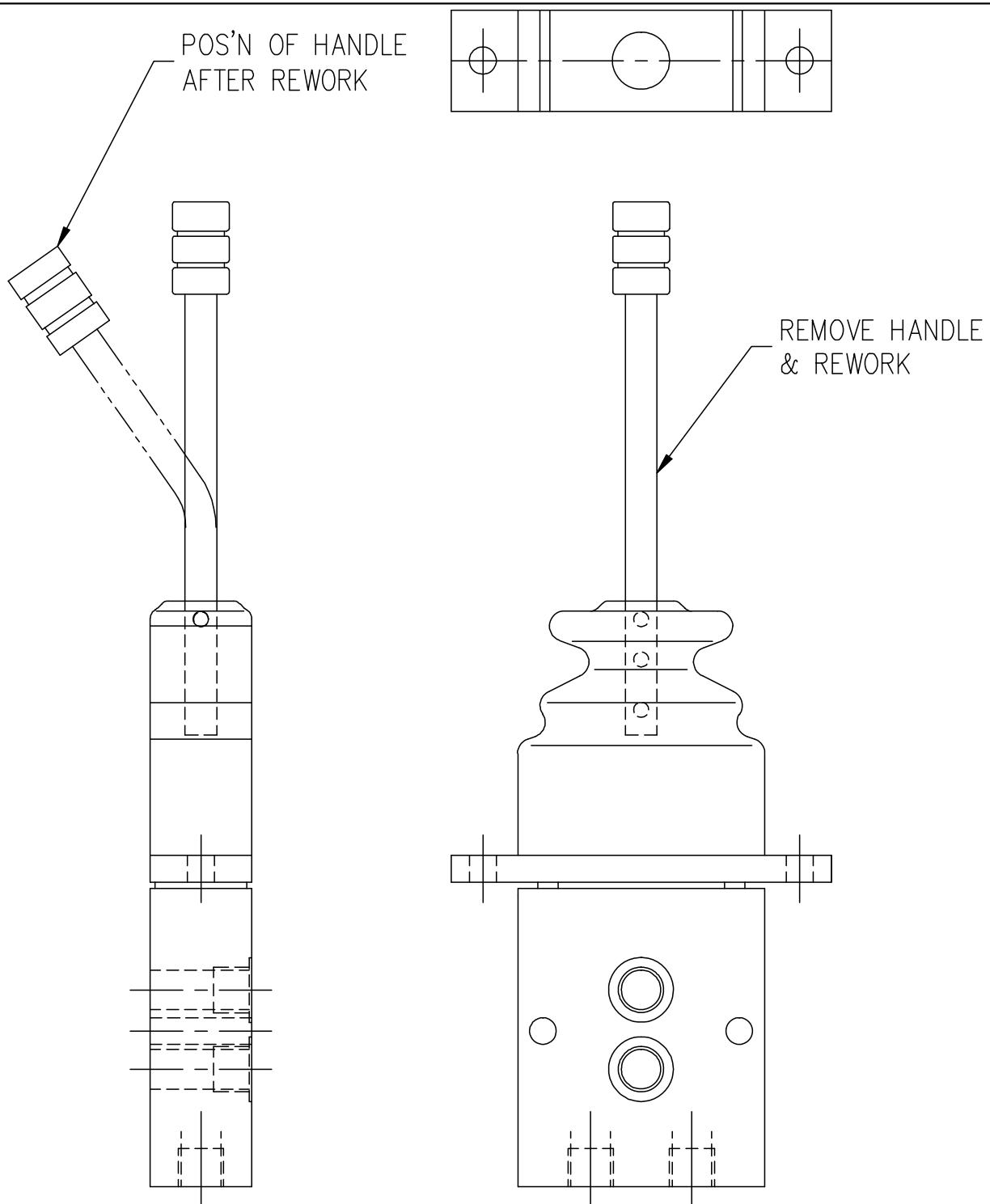
U CLAMP ASS'Y

Item No.	Part Number	Part Name	Qty.
1	R037122-001	HYDRAULIC GAUGE - 1000 PSI	1
2	R037124-001	U CLAMP ASS'Y	1

JOYSTICK, DUAL AXIS

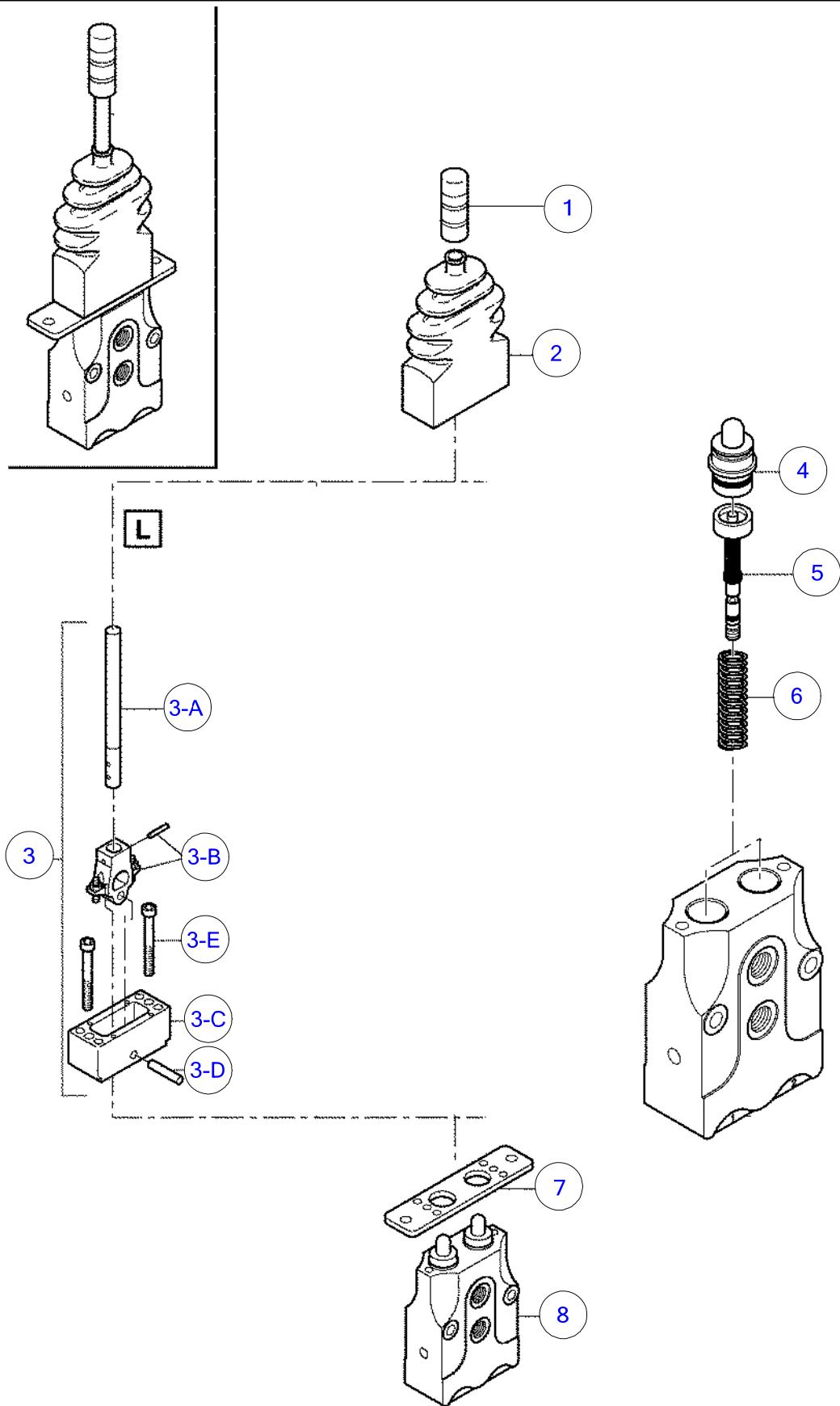


Item No.	Part Number	Part Name	Qty.
1	R207396-001	HANDLE	1
		Order handle from 'Electric Shift Option' for pushbutton transmission shift option or from 'Forklift Option' if so equipped.	
11	R207396-002	STRAIGHT LEVER KIT	1
11-A		STRAIGHT LEVER	1
		Items included in 207396-002.	
11-B		LOCKING PIN	1
		Items included in 207396-002.	
11-C		NUT	1
		Items included in 207396-002.	
12	R207396-003	CARDAN KIT	1
12-I		SHIM - 0.1MM	1
		Items included in 207396-003.	
12-J		SHIM - 0.2MM	1
		Items included in 207396-003.	
12-K		SHIM - 0.5MM	1
		Items included in 207396-003.	
12-L		SHIM - 1MM	1
		Items included in 207396-003.	
12-Q		CARDAN	1
		Items included in 207396-003.	
13	R207396-004	STRAIGHT BOOT	1
15	R207396-005	RETAINING PLATE	1
17		LOWER PART	REF.

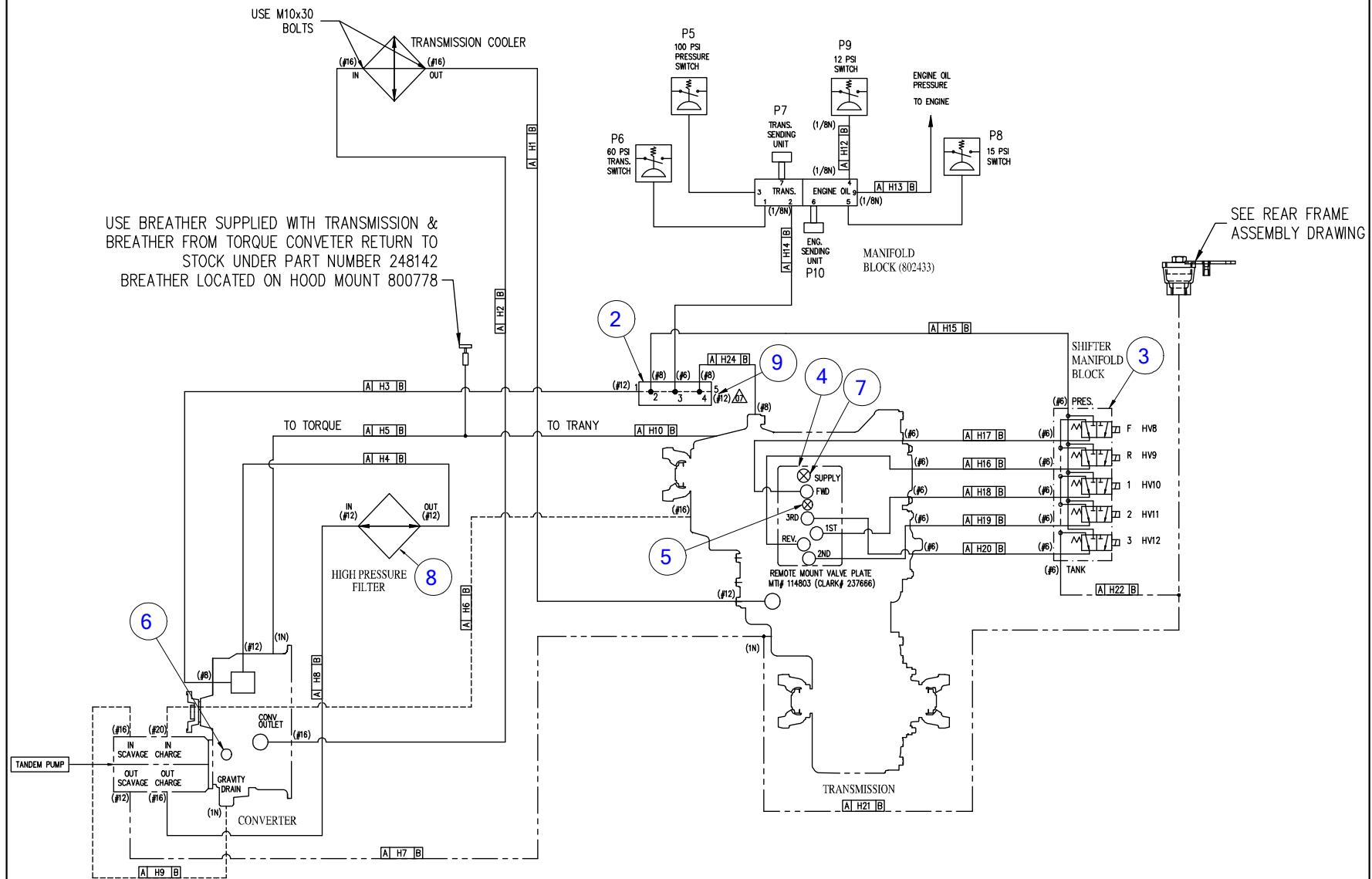
STEER JOYSTICK REWORK

FOR REPLACEMENT HANDLE, SEE  2

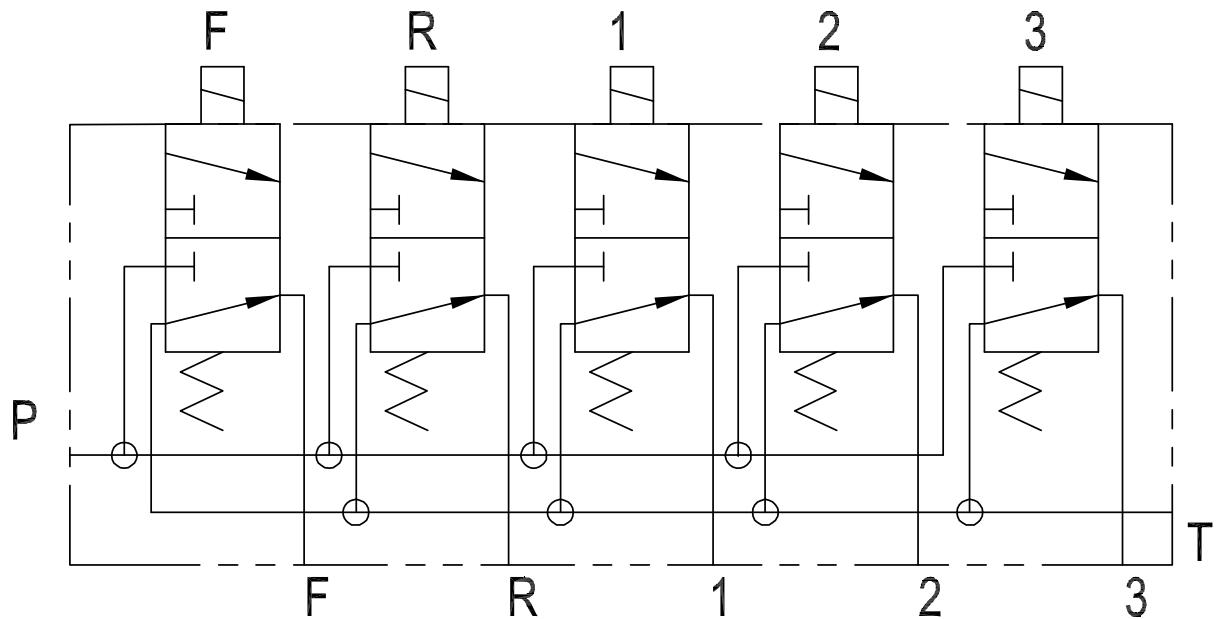
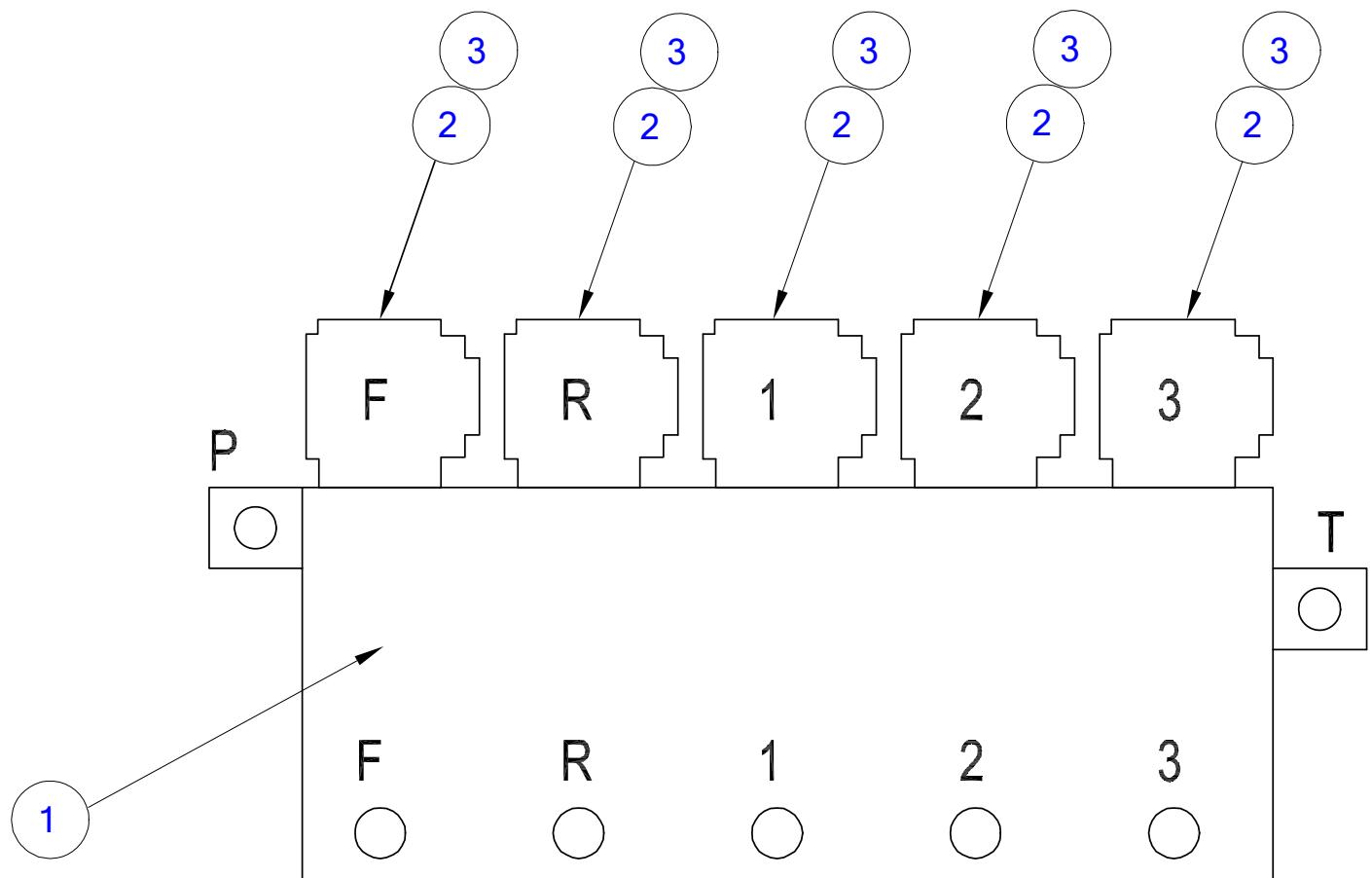
Item No.	Part Number	Part Name	Qty.
1	R391095-88	JOYSTICK, SINGLE AXIS	1
2	R005497-004	HANDLE	1

JOYSTICK, SINGLE AXIS

Item No.	Part Number	Part Name	Qty.
1	R207392	GRIP	1
2	R207391	BELLOWS	1
3	R004300-001	COVER KIT	1
3-A		STRAIGHT LEVER	1
3-B		SWITCHPLATE	1
3-C		COVER	1
3-D		PIN	1
3-E		SCREWS	2
4	R207393	PLUNGER KIT	1
5	R391095-196	REGULATING UNIT	1
6	R391095-197	SPRINGS	1
7	R391095-198	RETAINING PLATE	1
8		LOWER PART	1



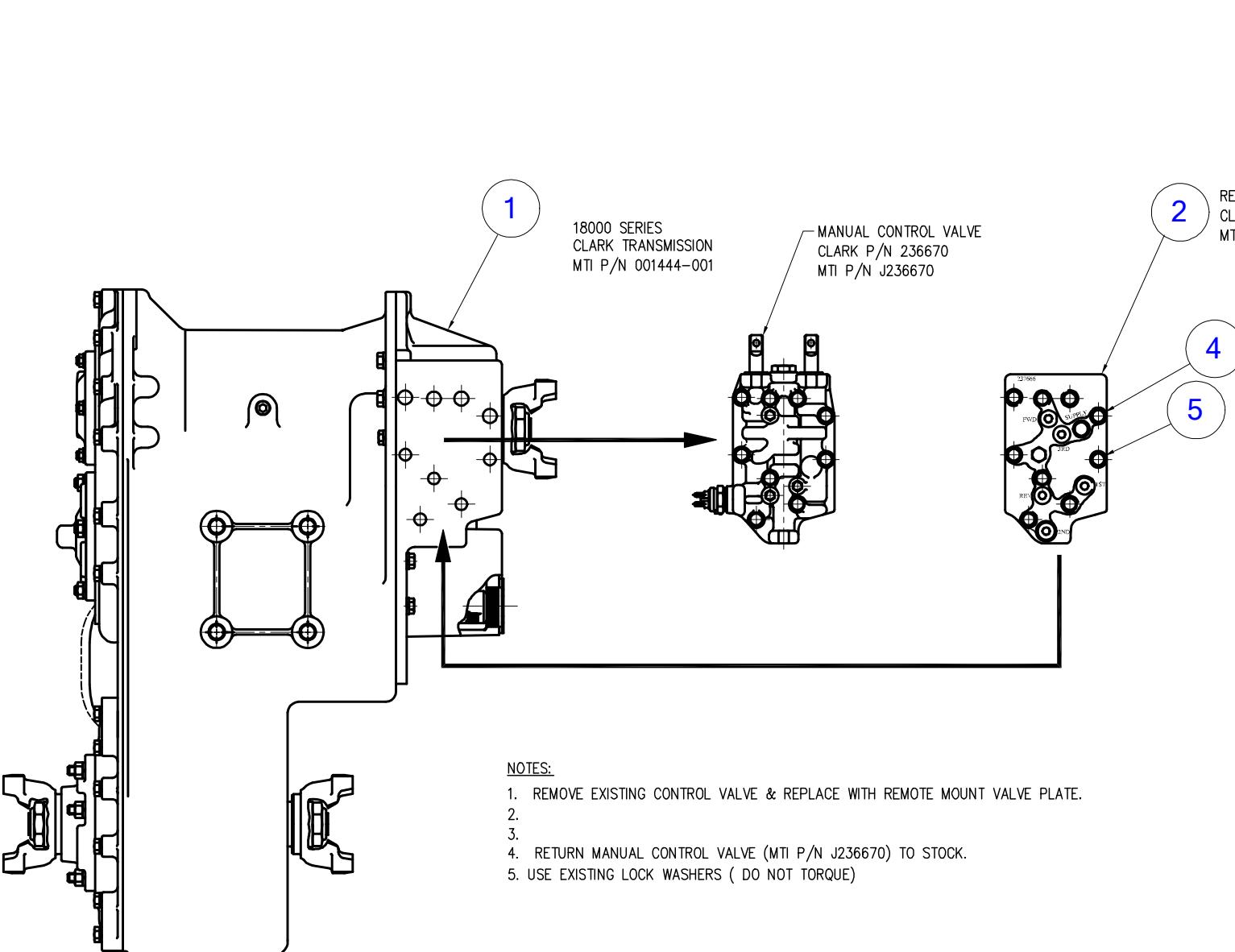
Item No.	Part Number	Part Name	Qty.
1	R010720-042	KIT, PLUMBING - TRANS/TOR	1
2	R391386-15	MANIFOLD - 5 Port	1
3	R3K4159	ASSY, TRANS SHIFT 24V	1
4	R803003	CONTROL VALVE	1
5	R100338	PIPE PLUG	1
6	R137248	ADAPTER - 3220-08-02, Brass	1
7	R106276	PLUG - #8ORB	1
8	R018004-001	ASSY, SPIN-ON TRANS FILTER	1
9	R105889	PLUG,#12ORB	1

ASSY, TRANSMISSION SHIFT 24V

Item No.	Part Number	Part Name	Qty.
1	R3K4160	MANIFOLD BLOCK	1
2	R391358-22	SOLENOID CARTRIDGE - 3 Way / 2 Pos.	5
3	R391358-28	COIL, DIN STYLE CONNECTOR-D - 24VDC	5

CONTROL VALVE

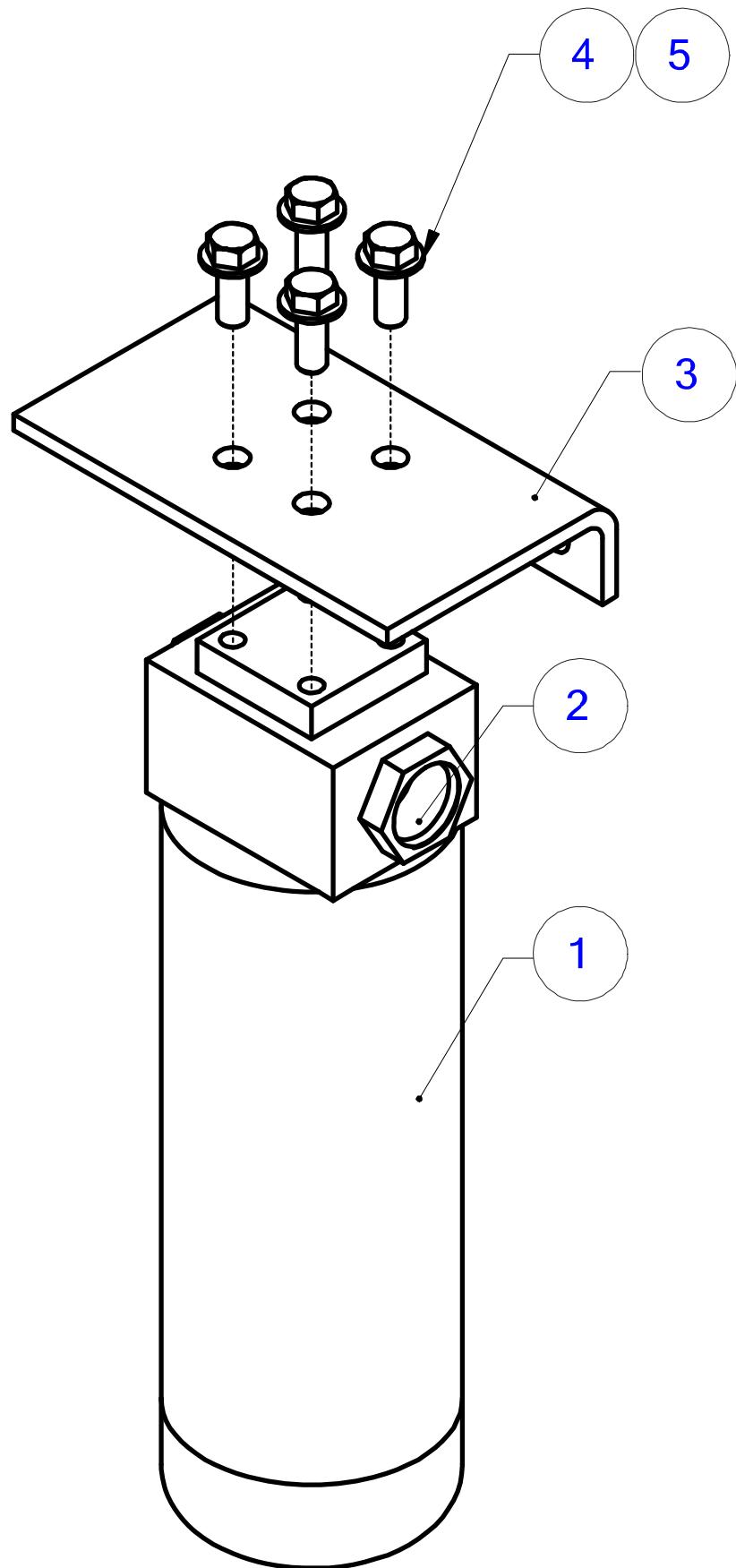
KOMATSU



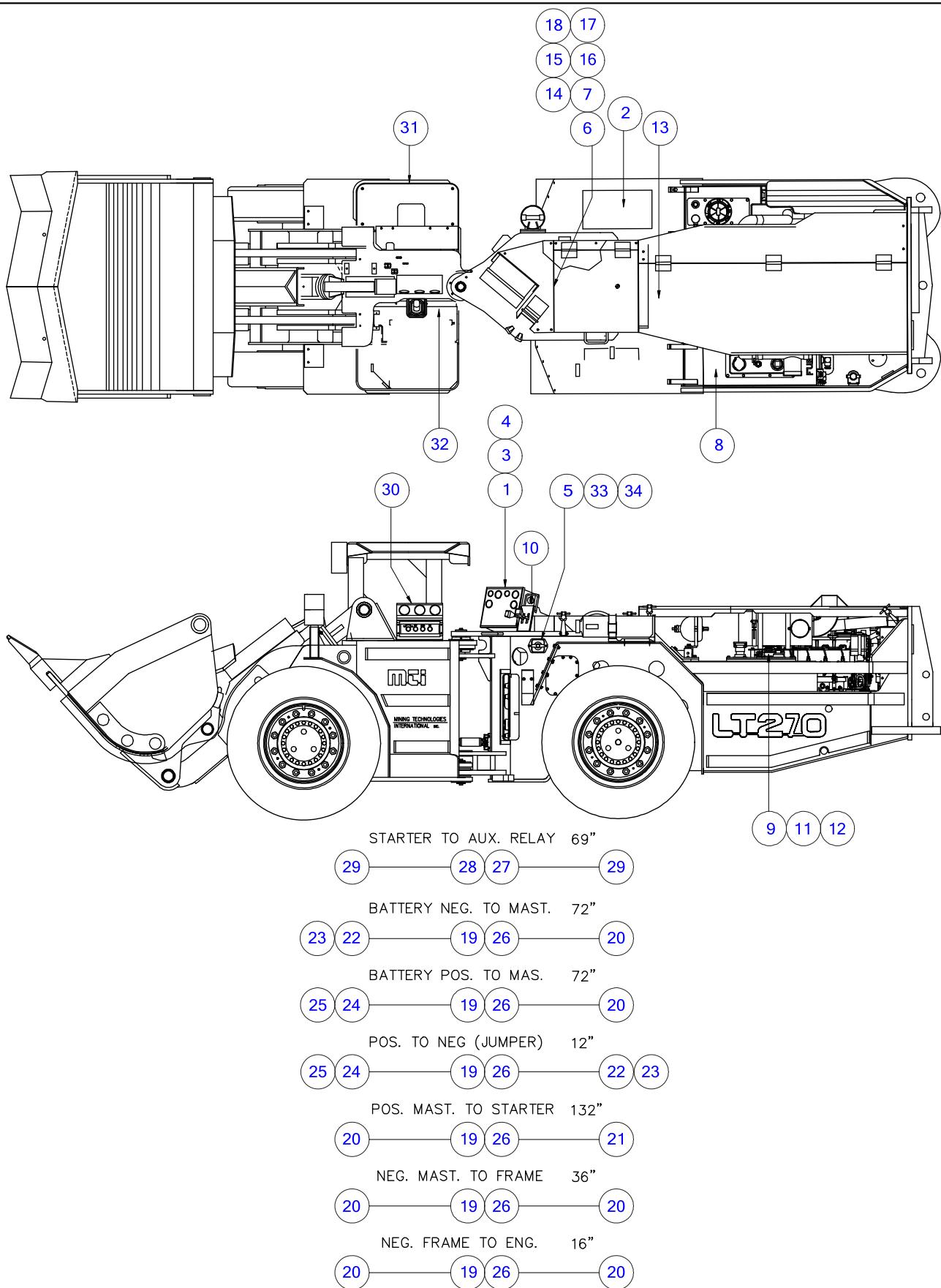
NOTES:

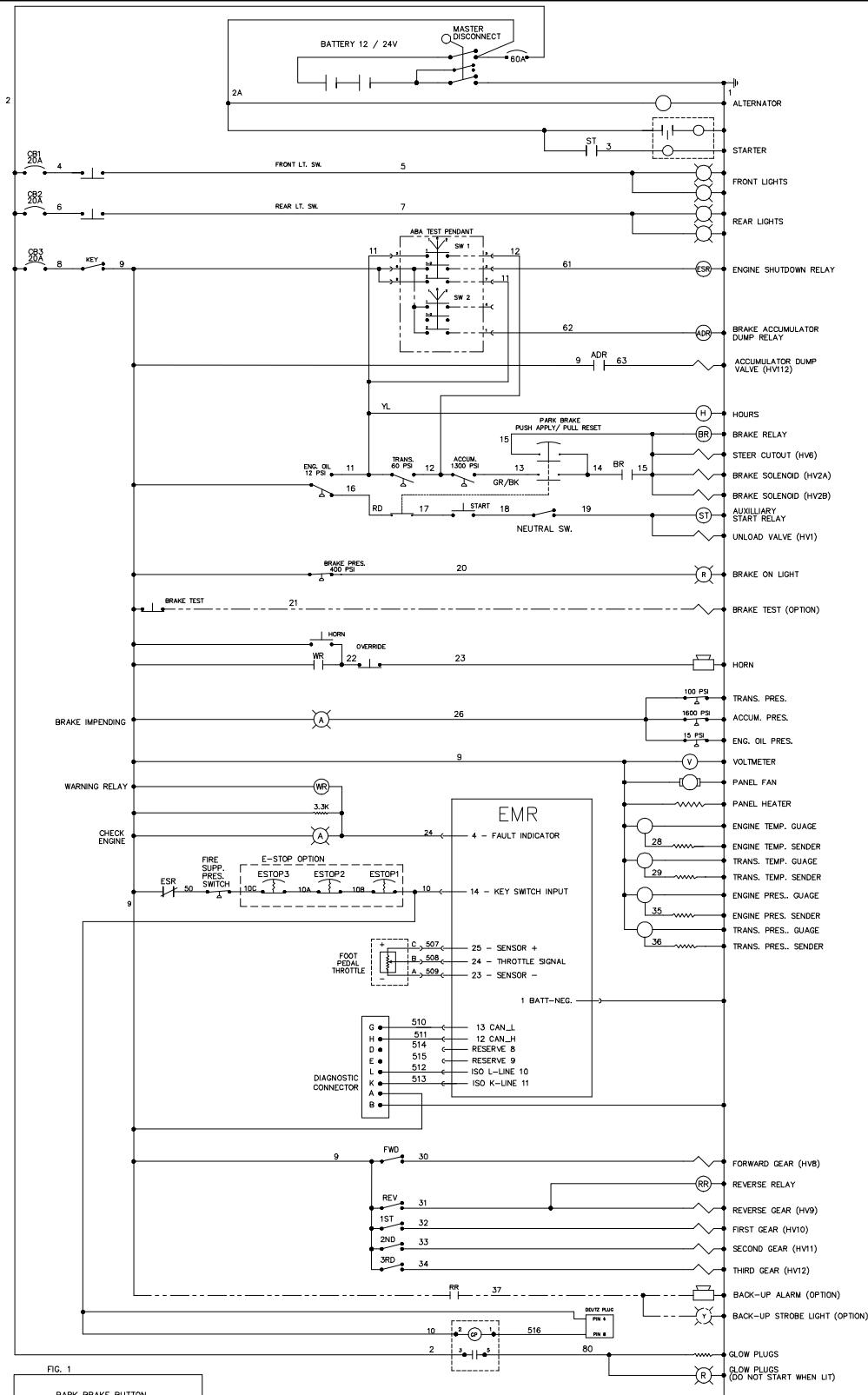
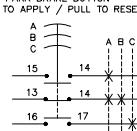
1. REMOVE EXISTING CONTROL VALVE & REPLACE WITH REMOTE MOUNT VALVE PLATE.
- 2.
- 3.
4. RETURN MANUAL CONTROL VALVE (MTI P/N J236670) TO STOCK.
5. USE EXISTING LOCK WASHERS (DO NOT TORQUE)

Item No.	Part Number	Part Name	Qty.
1		TRANSMISSION (see Powertrain Ass'y)	REF.
2	R114803	REMOTE MOUNT VALVE PLATE	1
3	R114806	GASKET	1
4	R125549	BOLT - 3/8-16UNC x 3 1/2"LG	9

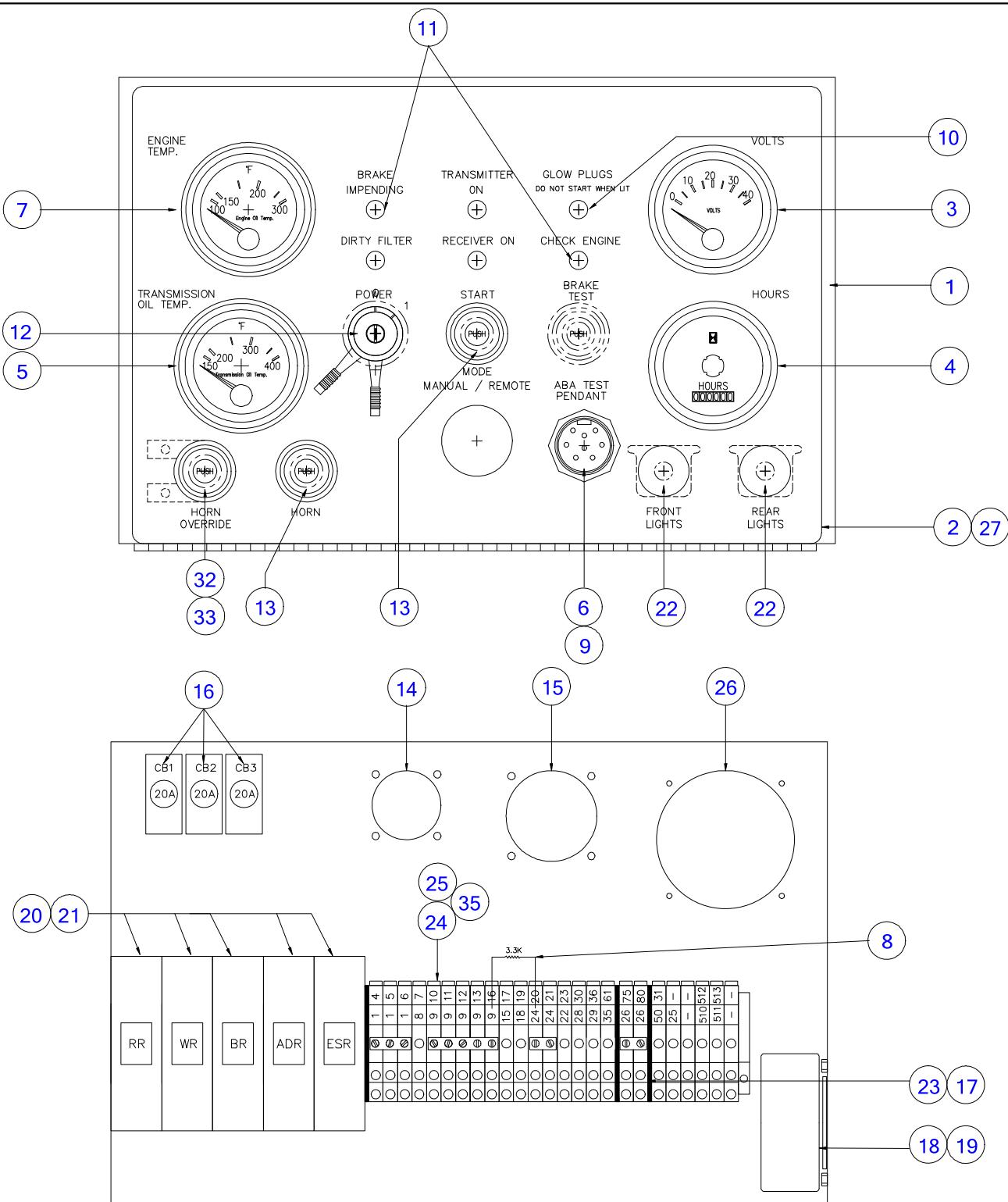
ASSY, TRANSMISSION FILTER

Item No.	Part Number	Part Name	Qty.
1	R136073	FILTER CARTRIDGE -TRANS.	1
2	R010907-001	FILTER HEAD	1
3	R011098-001	TRANSMISSION FILTER MNT	1
4	R106473	WASHER, FLAT - N,0.375,0.063T,300HV,L9,CZ	4
5	R100157	HHCS - 0.375-16NCx1,G8,FT,PL	4

ELC SYS, DEUTZ - LT-270

ELC SYS, DEUTZ - LT-270FIG. 1
PARK BRAKE BUTTON
PUSH TO APPLY / PULL TO RESET

Item No.	Part Number	Part Name	Qty.	Units
1	R010579-102	DASH, LT-270, DEUTZ	1	
2	R131758	BATTERY - 12VDC/685CC	2	
3	R010581-102	MAIN HARNESS	1	
4	R010582-002	POWER HARNESS	1	
5	R135824	MASTER DISCONNECT SWITCH	1	
6	R391403-262	PRESSURE SWITCH - 1300 PSI	1	
7	R391403-263	PRESSURE SWITCH - 1600 PSI	1	
8	R118587-002	HORN - 24V	1	
9	R120676	AUXILIARY START RELAY - 24V	1	
10	R803070-003	ELECTRIC SHIFTER	1	
11	R391280-14	OIL PRESSURE SENDER - Engine	1	
12	R020618-003	COOLANT LEVEL HARNESS	1	
13	R001973-002	TEMPERATURE SENDER - Engine	2	
14	R001416-001	PRESSURE SWITCH - 100 PSI	1	
15	R391403-267	PRESSURE SWITCH - 60 PSI	2	
16	R138204	TRANSMISSION PRESSURE SENDER - 400 PSI	1	
17	R391403-266	PRESSURE SWITCH - 15 PSI	1	
18	R001506-001	PRESSURE SWITCH - 12 PSI	1	
19	R102017	CABLE - 1/0	?	Foot
20	R108111	TERMINAL RING - 3/8	7	
21	R102194	RING TERMINAL - 2/0 - 1/2"	1	
22	R143409	BATTERY TERMINAL - Neg.	2	
23	R131269	TERMINAL COVER - BLACK	2	
24	R143408	BATTERY TERMINAL - Pos.	2	
25	R131270	BATTERY TERMINAL PROTECTOR - 7/8" RED	2	
26	R144665-1	LOOM, BLACK 1/2 IN	REF.	
27	R109466	WIRE - #8 Red	6	Foot
28	R144664-001	LOOM, BLACK 3/8 IN	REF.	
29	R112763	RING TERMINAL - #8 - 3/8"	2	
30	R001578-003	REMOTE BRAKE STATION (Spanish)	1	
31	R391403-261	PRESSURE SWITCH - 400 PSI	1	
32	R391303-35	THROTTLE PEDAL - Electric	1	
33	R142788	CIRCUIT BREAKER - 60A	1	
34	R802723	MOUNT, CIRCUIT BREAKER	1	

DASH LT-270, DEUTZ

NOTES:
DASH TAGS ARE GIVEN IN BOTH AVAILABLE LANGUAGE OPTIONS
ASSEMBLER MUST CHECK RELEVANT SRF FOR LANGUAGE REQUESTED
RETURN THE UNUSED TAG TO STOCK

Item No.	Part Number	Part Name	Qty.	Units
1	R001414-009	ENCLOSURE	1	
2	R001705-102	TAGS - MAIN DASH	1	
3	R391280-30	VOLTMETER - 24V	1	
4	R391280-1	HOURMETER	1	
5	R391280-33	TEMPERATURE GAUGE - Oil	1	
6	R034531-002	MINI CONNECTOR - 8P, PM	1	
7	R141104	KIT, GAUGE-ENGINE TEMP., 1013	1	
8	R391481-2	RESISTOR - 3.3Kohm	1	
9	R034531-003	CAP - 8P MINI CONNECTOR	1	
10	R144559	INDICATOR LIGHT - RED	1	
11	R144580	LED - Amber	2	
12	R116508	KEYLESS SWITCH	1	
13	R116510	PUSHBUTTON	2	
14	R001707-001	CONNECTOR - 10 SOCKET PANEL MOUNT	1	
15	R001409-001	CONNECTOR - 9 Pin Panel Mount	1	
16	R001218-004	CIRCUIT BREAKER - 20A	3	
17	R100583	RAIL	2	Foot
18	R132324	HEATER - 24V DC / 15 W	1	
19	R132322	FAN - Panel Heating	1	
20	R001403-001	RELAY - 2 Pole	5	
21	R001403-002	RELAY BASE - -2P MINIATURE	5	
22	RH031987	SW, TOGGLE, SEALED, SPST 24VDC	2	
23	R141734	END BARRIER - TS 35 RAIL	1	
24	R124701	TERMINAL BLOCK END	1	
25	R001138-001	TERMINAL BLOCK - DOUBLE - WD	25	
26	R001405-001	CONNECTOR - 48 Socket Panel Mount	1	
27	R001705-301	TAGS, MAIN DASH, DEUTZ	1	
32	R391053-29	CAP - Red	1	
33	R391053-28	PUSHBUTTON - 12V/24V N/C	1	
34	R026284-001	DIAGNOSTIC CONNECTOR - DEUTZ	REF.	
35	RH021109	TERMINAL JUMPER, WD	2	

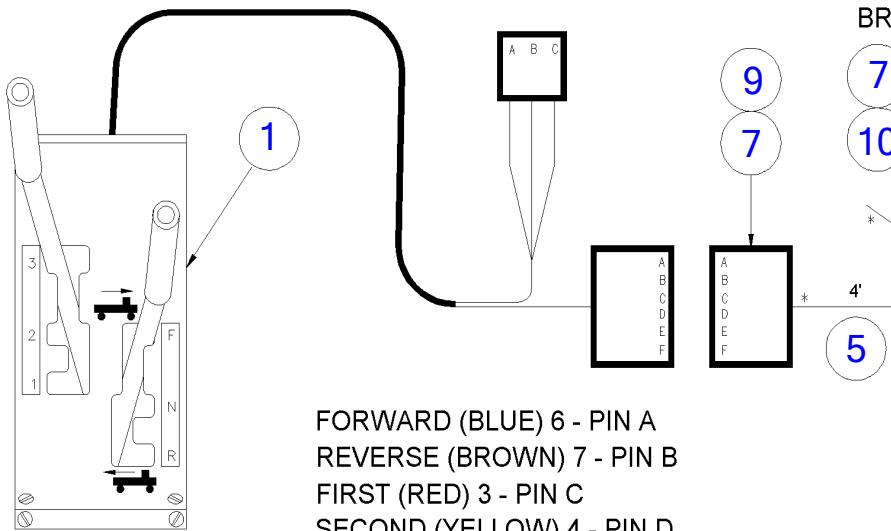
- 1** ENGINE TEMPERATURE GAUGE
- 2** RING

21-4895: LT-270 - MINERO DIESEL



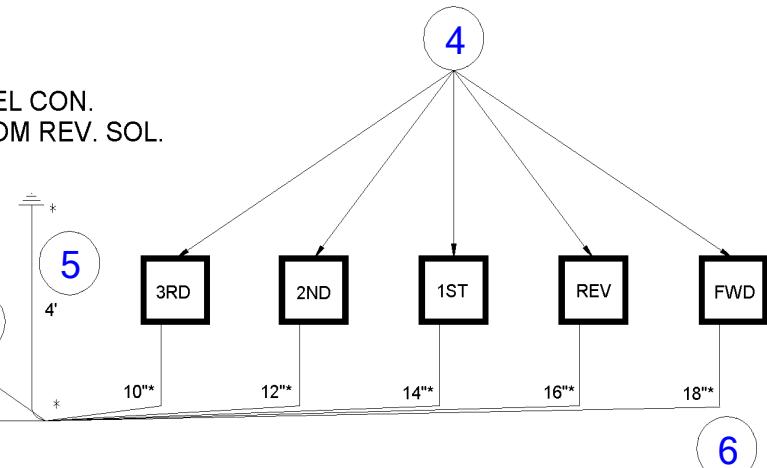
Item No.	Part Number	Part Name	Qty.
1	R141104-001	ENGINE TEMP. GAUGE	1
2	R141104-002	RING	1

POWER IN (WHITE) 1 - PIN A
NEUTRAL SAFETY IN (BLACK) 2 - PIN B
NEUTRAL SAFETY OUT (BLACK) 2 - PIN C



LOOP COMMON GROUND WIRE FROM ONE CONNECTOR TO THE NEXT & EXIT AS ONE COMMON TERMINAL

PARALLEL CON.
BRN FROM REV. SOL.

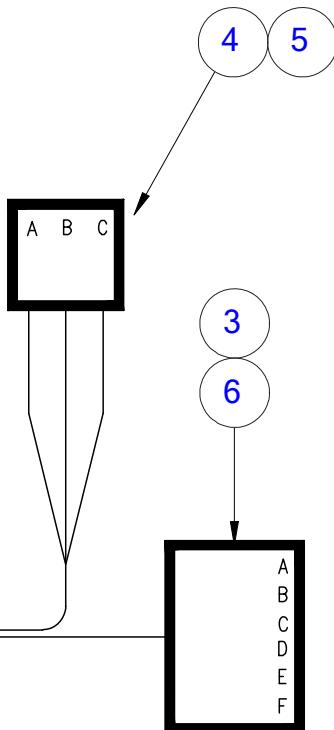


ELECTRIC SHIFTER

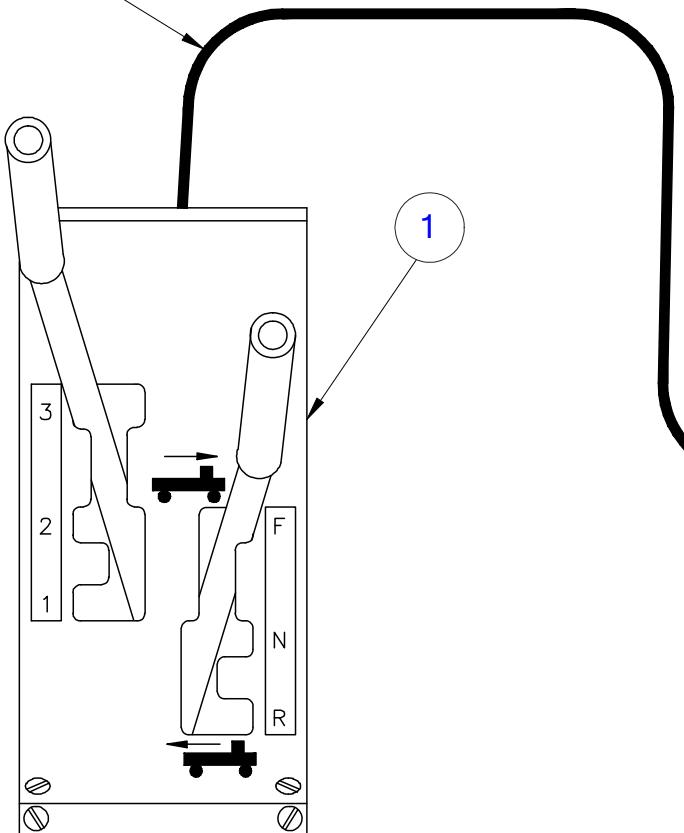
Item No.	Part Number	Part Name	Qty.
1	R803070-205	ASSY, 3 SPEED SHIFTER Part not serviceable.	1
4	R391358-29	CONNECTOR - HIRSCHMAN PG11	5
5	R144665	WIRE LOOM - 1/2" GREEN	5
6	R144663	WIRE LOOM - 5/16 GREEN	7
7	R133131	SOCKET c/w Seal	6
9	R144543	CONNECTOR - 6 Socket Weatherpack	1
10	R141108	CONNECTOR - 1 Socket Weatherpack	1

ASSY, 3 SPEED SHIFTER

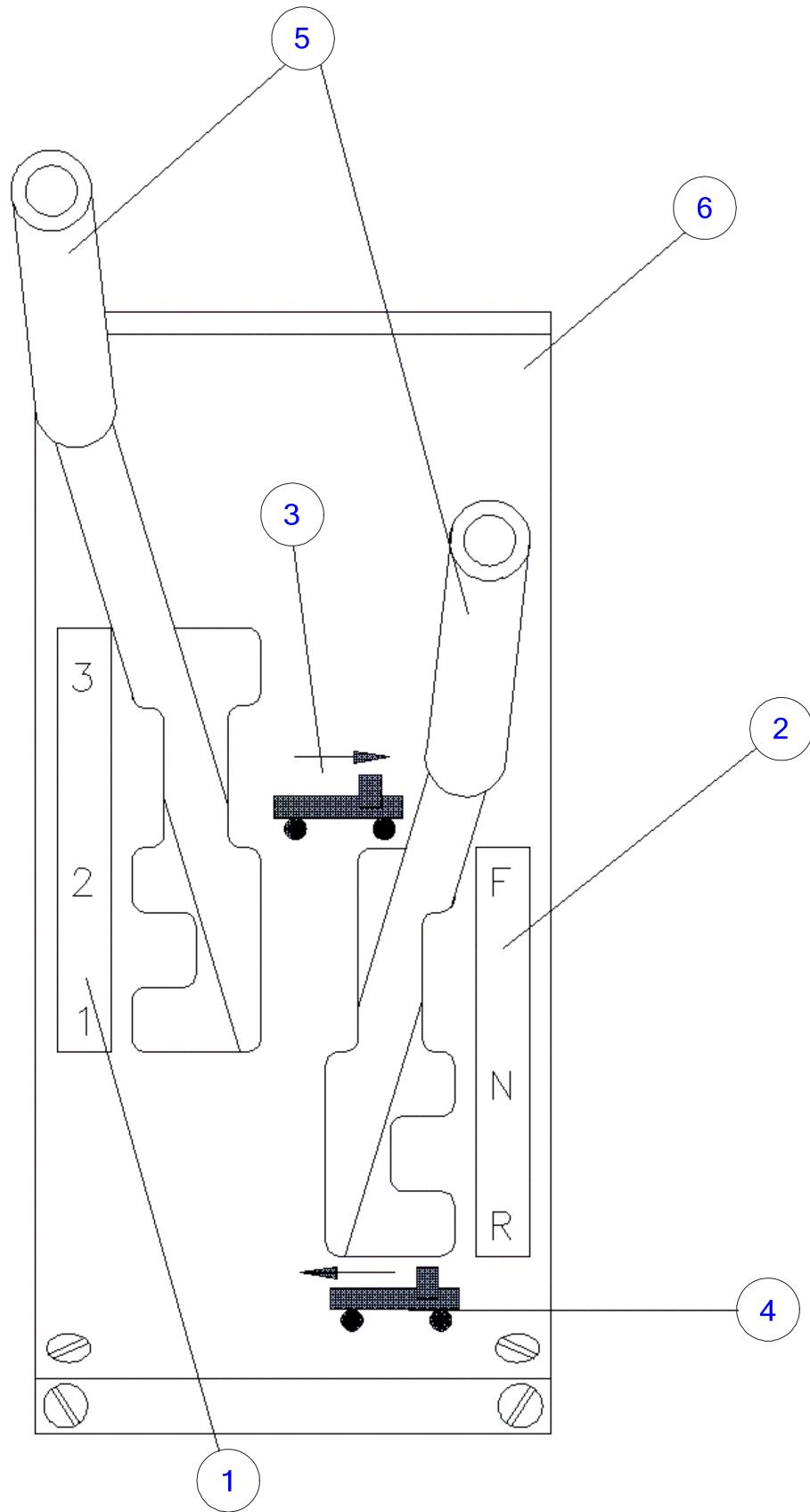
PIN A FORWARD (BLUE)
PIN B REVERSE (BROWN)
PIN C FIRST (RED)
PIN D SECOND (YELLOW)
PIN E THIRD (GREEN)
PIN F NOT USED



PIN A POWER IN (WHITE)
PIN B NEUTRAL SW. (BLACK)
PIN C NEUTRAL SW. (BLACK)



Item No.	Part Number	Part Name	Qty.	Units
1	R391371-3	ELECTRIC SHIFT - 3 SPD	1	
2	R144665	WIRE LOOM - 1/2" GREEN	2	Foot
3	R144542	CONNECTOR - 6 Pin Weatherpack	1	
4	R133131	SOCKET c/w Seal	3	
5	R133130	CONNECTOR - 3 Socket	1	
6	R133129	PIN c/w Seal	5	

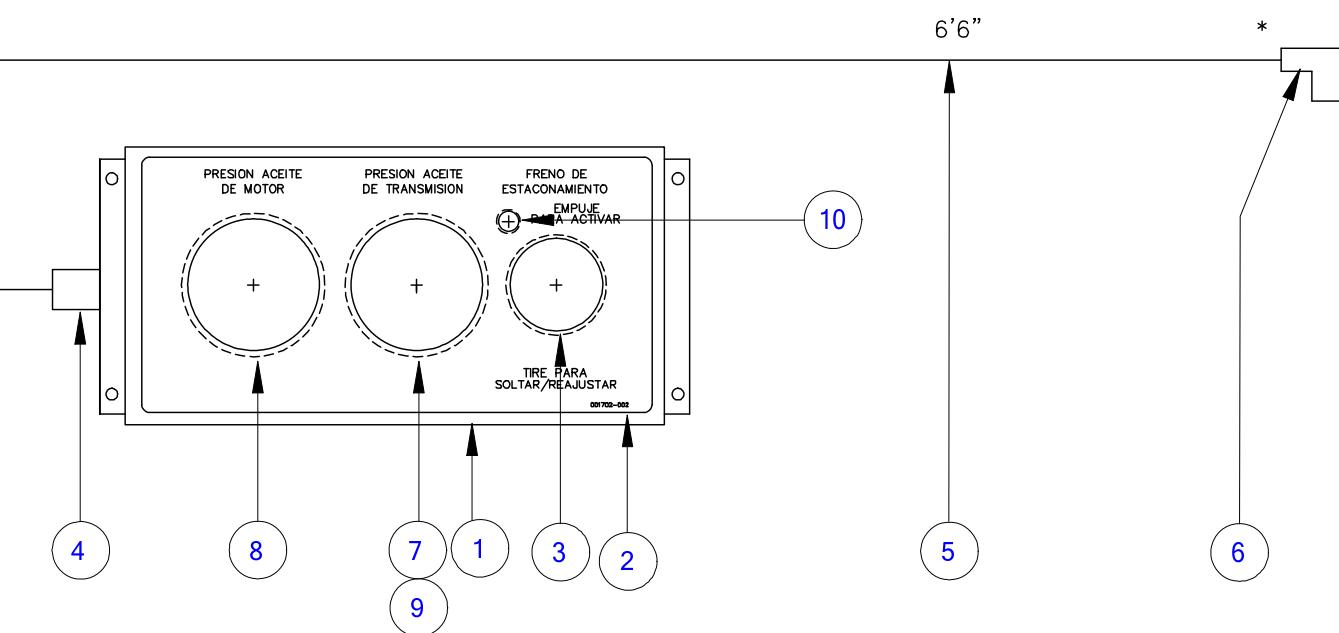
ELECTRIC SHIFT - 3 SPD

Item No.	Part Number	Part Name	Qty.
1	R207316-004	DECAL - 3-2-1	1
2	R207316-003	DECAL - F-N-R	1
3	R207316-019	DECAL - FORWARD	1
4	R207316-020	DECAL - REVERSE	1
5	R207316-010	MOLDED HANDLES	2
6	R207316-001	CASTING	1

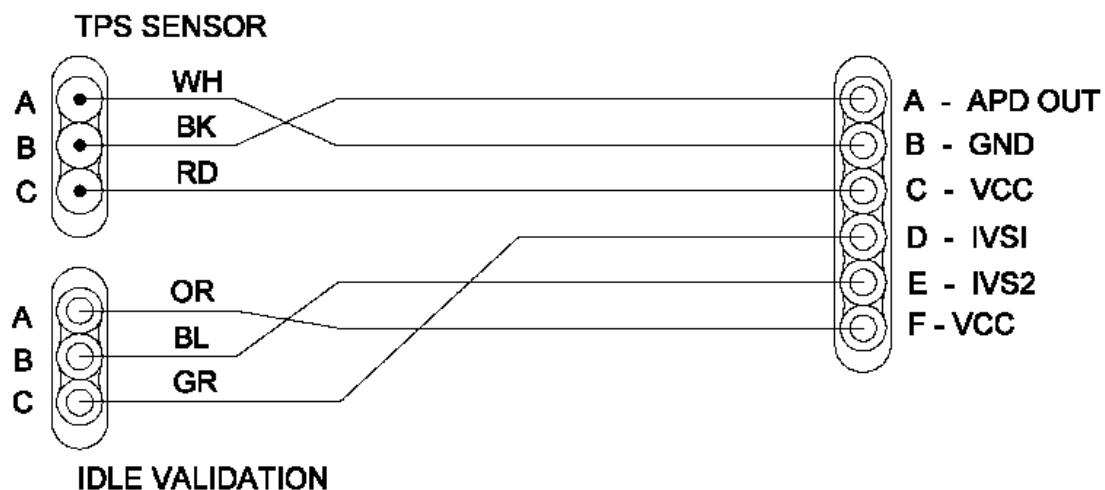
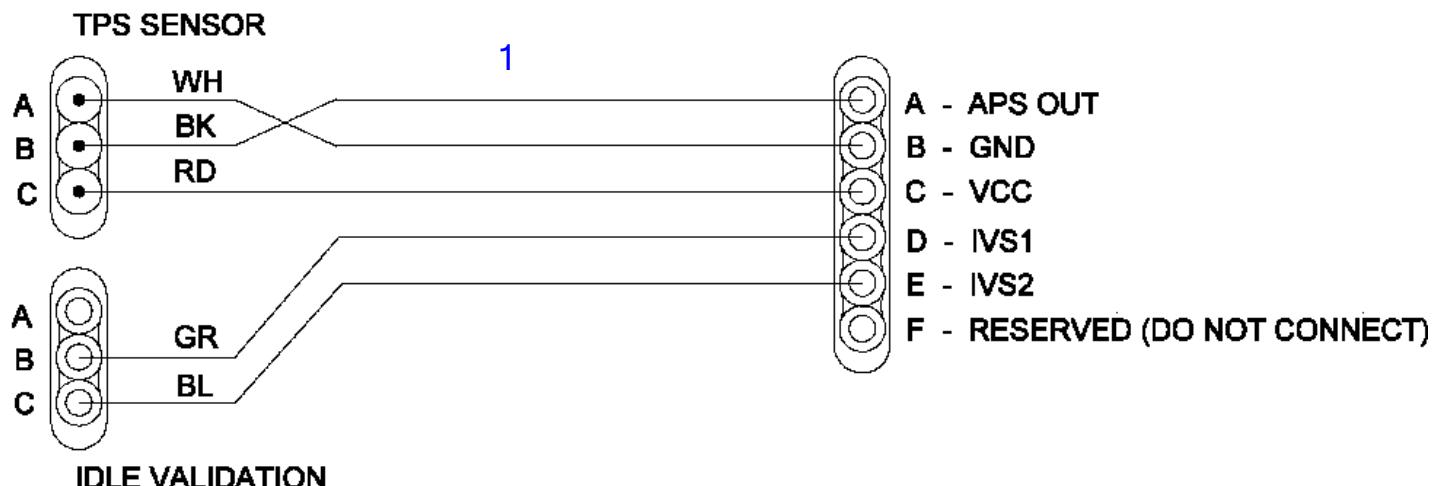
REMOTE BRAKE STATION (Spanish)

PIN #	CIRCUIT #
A A	1
B B	9
C C	13
D D	14
E E	15
F F	16
G G	17
H H	20
I I	35
J J	36
K K	
L L	

WIRE COLOUR



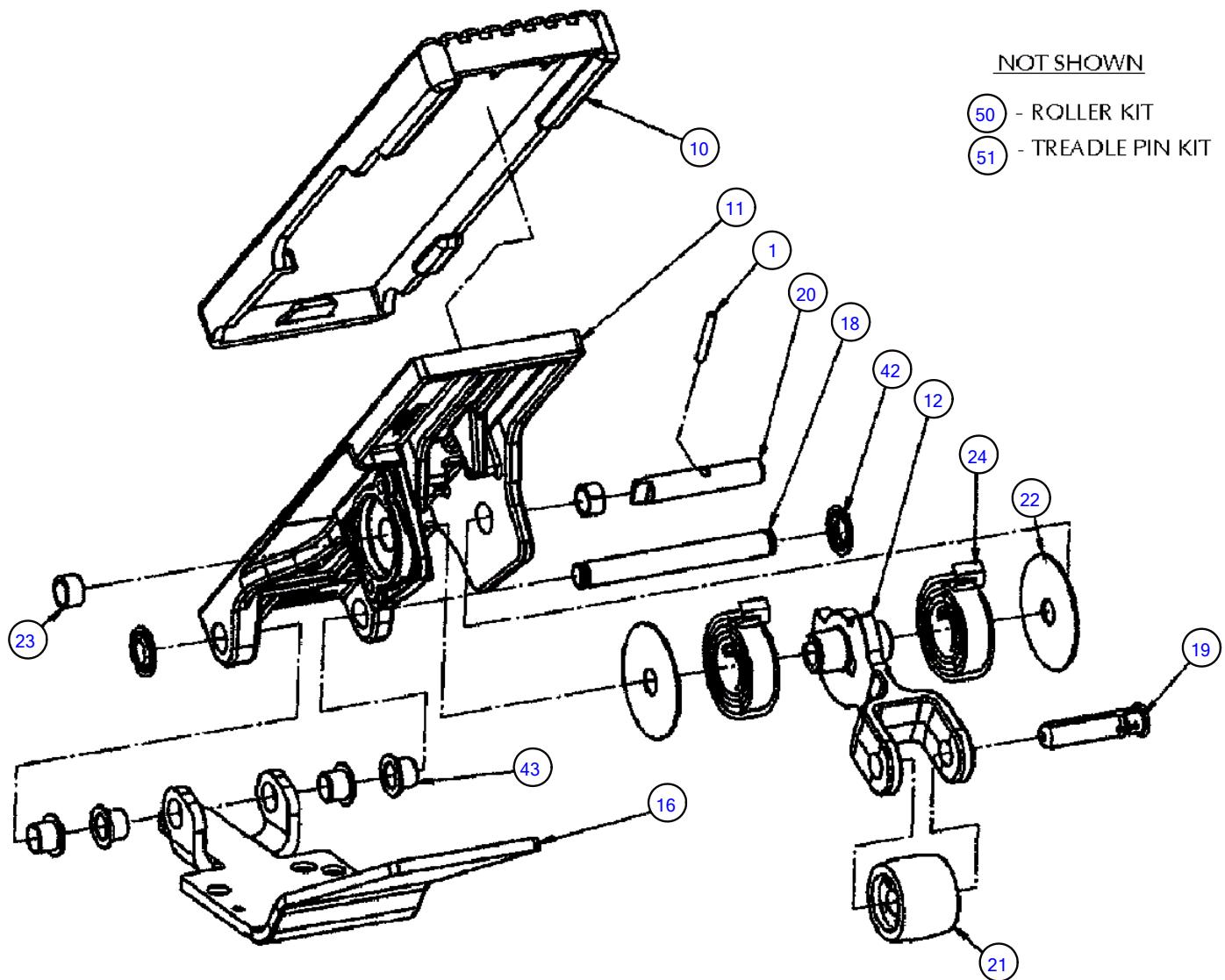
Item No.	Part Number	Part Name	Qty.	Units
1	R144833	ENCLOSURE	1	
2	R001702-002	DECAL - PARK BRAKE - SPANISH	1	
3	R001411-001	PUSH / PULL BUTTON - Brake	1	
4	R100799	STRAIN RELIEF - BLUE	1	
5	R144665	WIRE LOOM - 1/2" GREEN	4	Foot
6	R001706-001	CONNECTOR - 10 PIN CABLE END	1	
7	R391280-38	TRANS. OIL PRESSURE GAUGE	1	
8	R391280-37	ENGINE OIL PRESSURE GAUGE	1	
9	R391280-32	RESISTOR KIT - 24V	1	
10	R144559	INDICATOR LIGHT - RED	1	

THROTTLE PEDAL, DDEC111 & 1111**STANDARD WIRING****CORRECTED WIRING**

(SWITCH PINS B & C ON IDLE VALIDATION CONNECTOR)

(REMOVE PIN A (ORANGE WIRE) ON IDLE VALIDATION CONNECTOR)

Item No.	Part Number	Part Name	Qty.
1	R391303-44	HARNESS	1
2	R027984-001	SENSOR	1
3	R027984-002	PEDAL, NO SENSOR	1

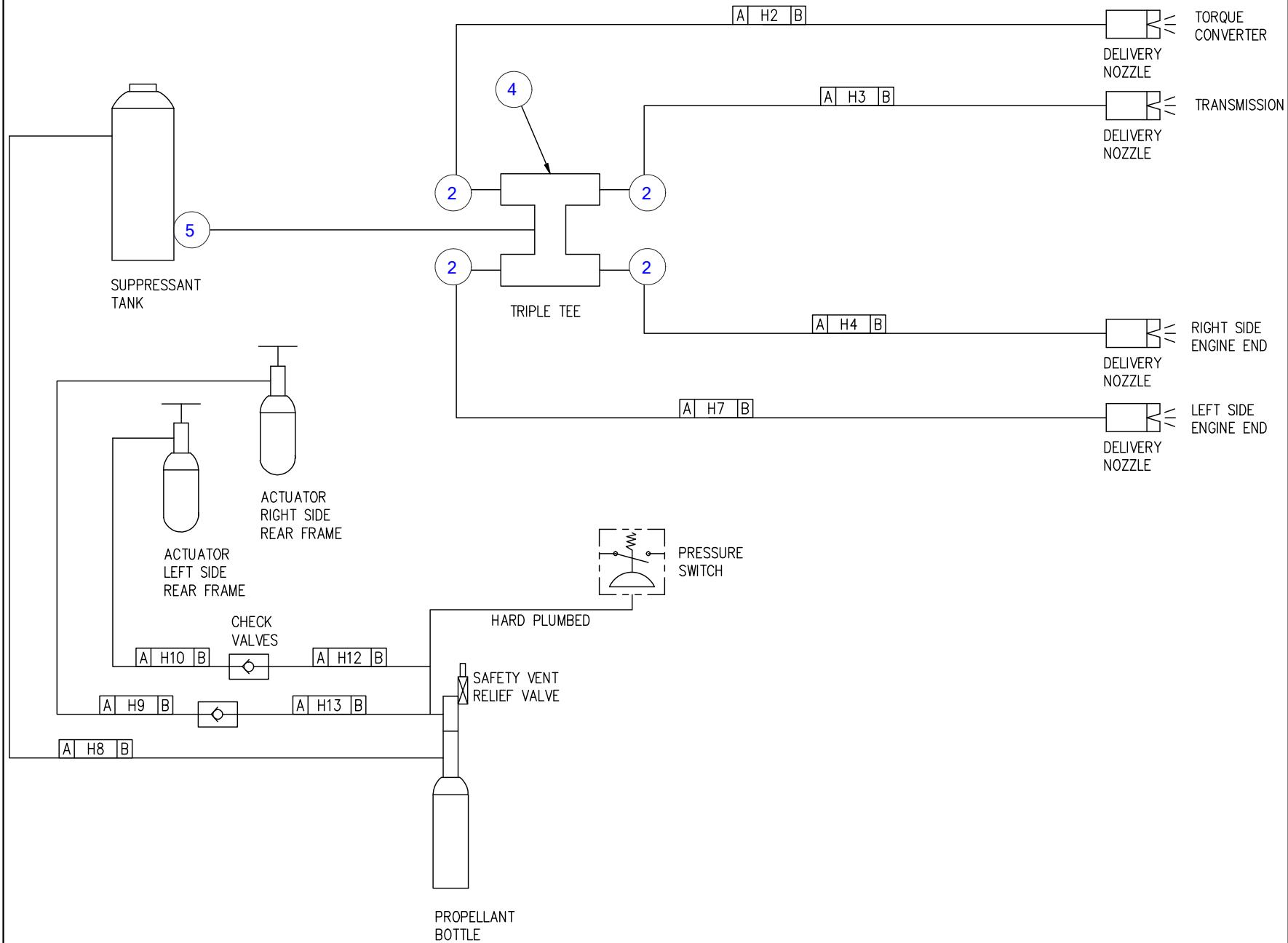
PEDAL, NO SENSOR

Item No.	Part Number	Part Name	Qty.
10	R391303-47	TREADLE COVER	1
50	R018724-001	ROLLER KIT Items # 19 - 21 included in Roller Kit.	REF.
51	R027984-100	TREADLE PIN KIT Items # 18, 42 & 43 included in Tradle Pin Kit.	REF.

21-4895: LT-270 - MINERO DIESEL

FSS, 20LBS, 2012, STD, LT-270

KOMATSU



Item No.	Part Number	Part Name	Qty.
1	R009646-042	PLUMBING KIT	1
2	R138895	ELBOW - 90,#8NPT,F,#8NPT,F,GALV	4
3	R004500-012	FIRE SUPP. SYSTEM - Man., 4 Nozzle LP	1
4	R391031-37	FSS, TRIPLE TEE	1
5	R100852	NIPPLE - ST,#12NPT,M,#12NPT,M	1

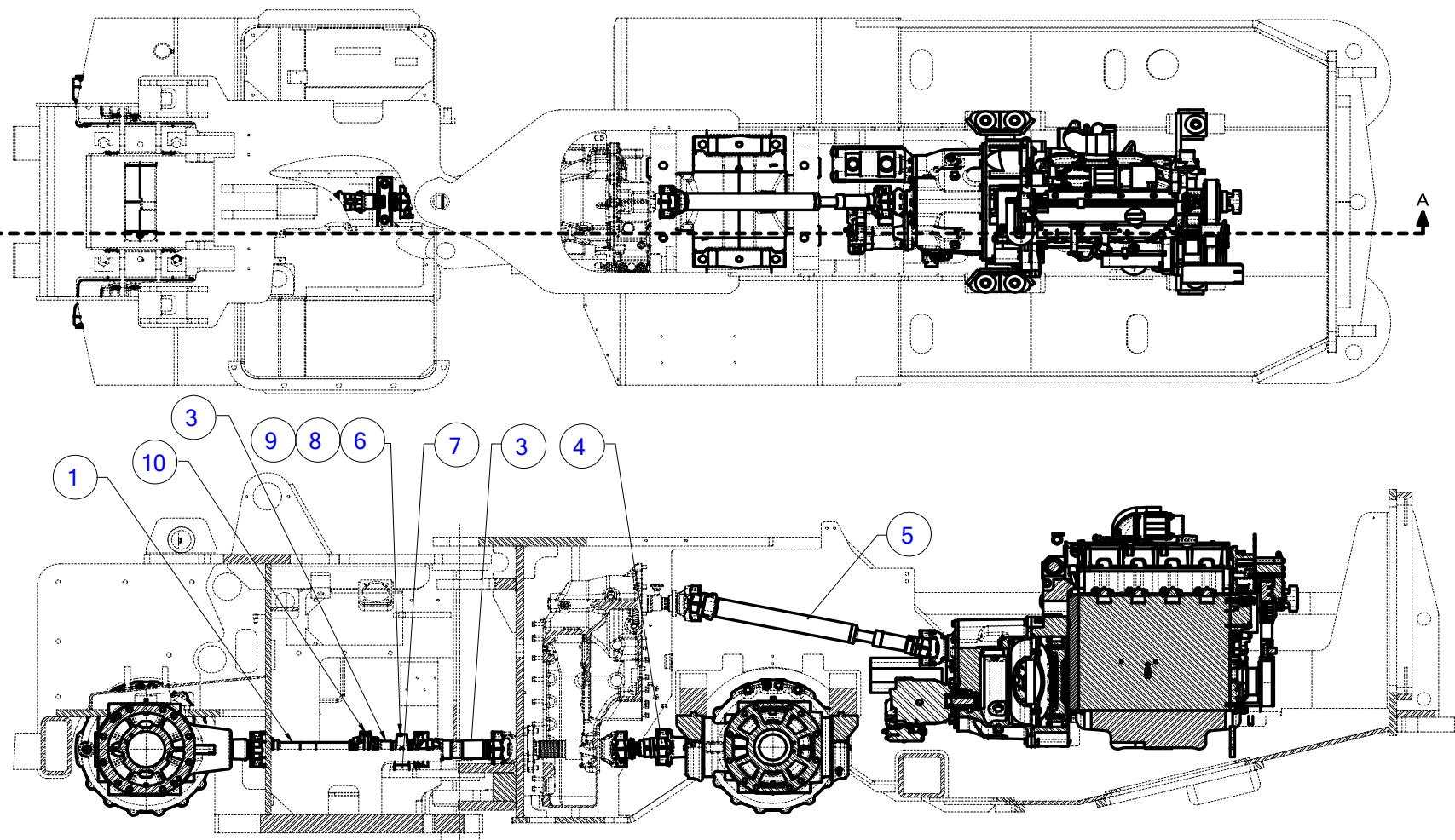
FIRE SUPP. SYSTEM - Man., 4 Nozzle LP

PLEASE SEE PARTS LIST & NOTES

*** NOTES**

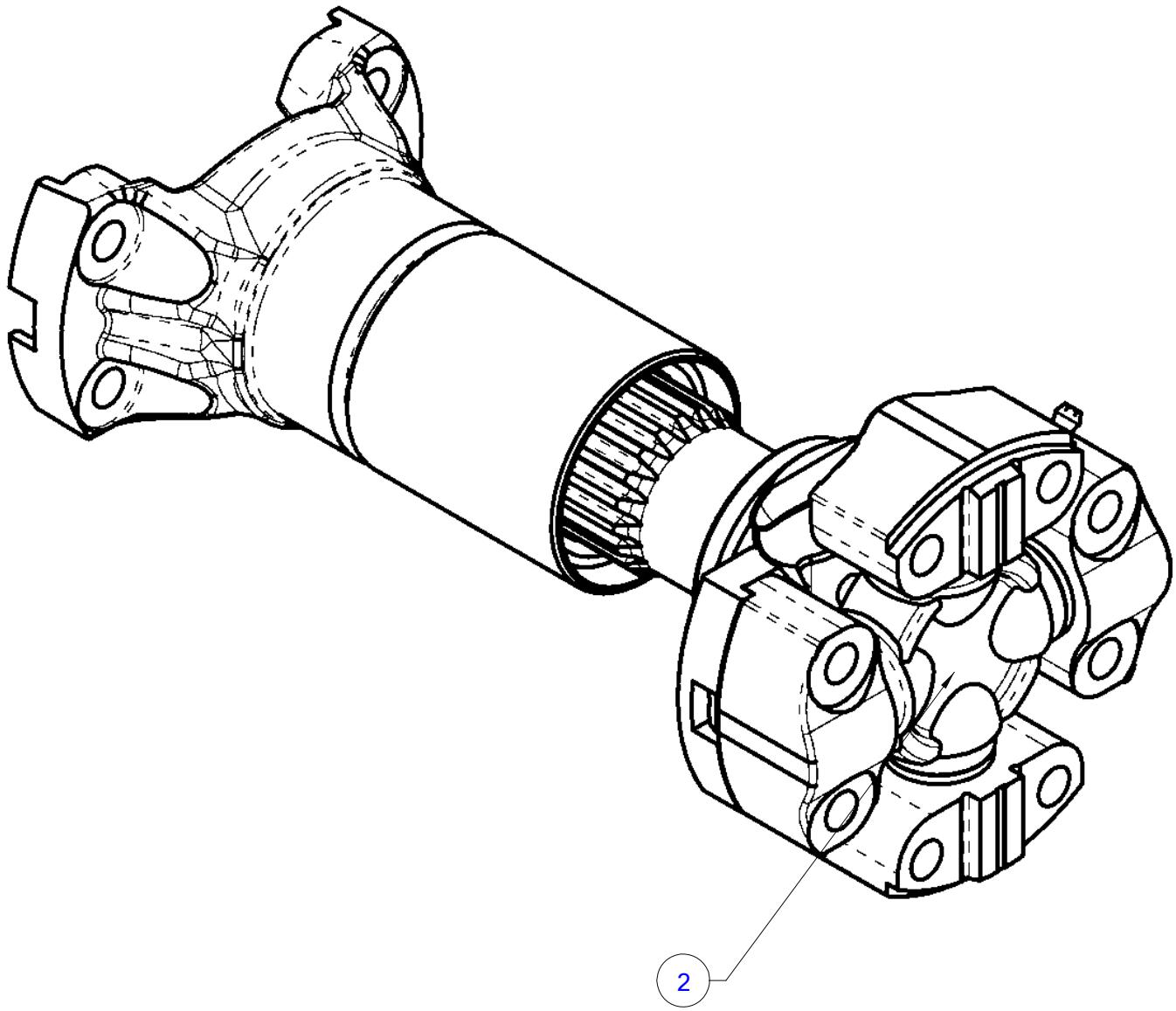
- PRESSURE SWITCH 46250 (WAS MTI P/N 002646-001) NO LONGER AVAILABLE FROM ANSUL – SEE FSL 1157
- FOR MACHINES BUILT BEFORE 2013, IF CUSTOMER ORDERS SWITCH 002646-001, REPLACE WITH KIT P/N 002646-001 (INCLUDES NEW PRESSURE SWITCH 002646-002, ANSUL P/N ZA-A437409)
- FOR MACHINES BUILT IN 2013 AND LATER, FS SYSTEM CONTAINS WITH NEW SWITCH 002646-002, AND REPLACEMENT SWITCH IS P/N 002646-002

Item No.	Part Number	Part Name	Qty.
1	R207073-001	TANK	1
2	R391031-7	TANK MOUNTING BRACKET	1
3	R004501-008	CARTRIDGE ASS'Y	1
4	R391031-16	CARTRIDGE BRACKET	1
5	R391031-10	PNEUMATIC ACT./ADAPT ASS'Y	1
6	R101492	ACTUATOR BRACKET - S Style	2
7	R108273	ACTUATOR	2
8	R004501-022	LT 10 R CARTRIDGE	2
9	R140696	CHECK VALVE - 1/4	2
10	R004501-019	OPERATING LABELS	2
11	R391031-20	LEAD WIRE SEAL	2
12	R391031-38	NOZZLE	4
13	R200734	NOZZLE BRACKET	
14	R391031-39	BLOW OFF CAP	4
15	R201717	NOZZLE LOCKWASHER	8
16	R391031-43	PRESSURE RELIEF VALVE	1
17	R002646-001	PRESSURE SWITCH KIT	1

INSTLN, LT-270 132 AXLE DRIVELINES**SECTION A-A****DRIVELINE INSTALLATION:**

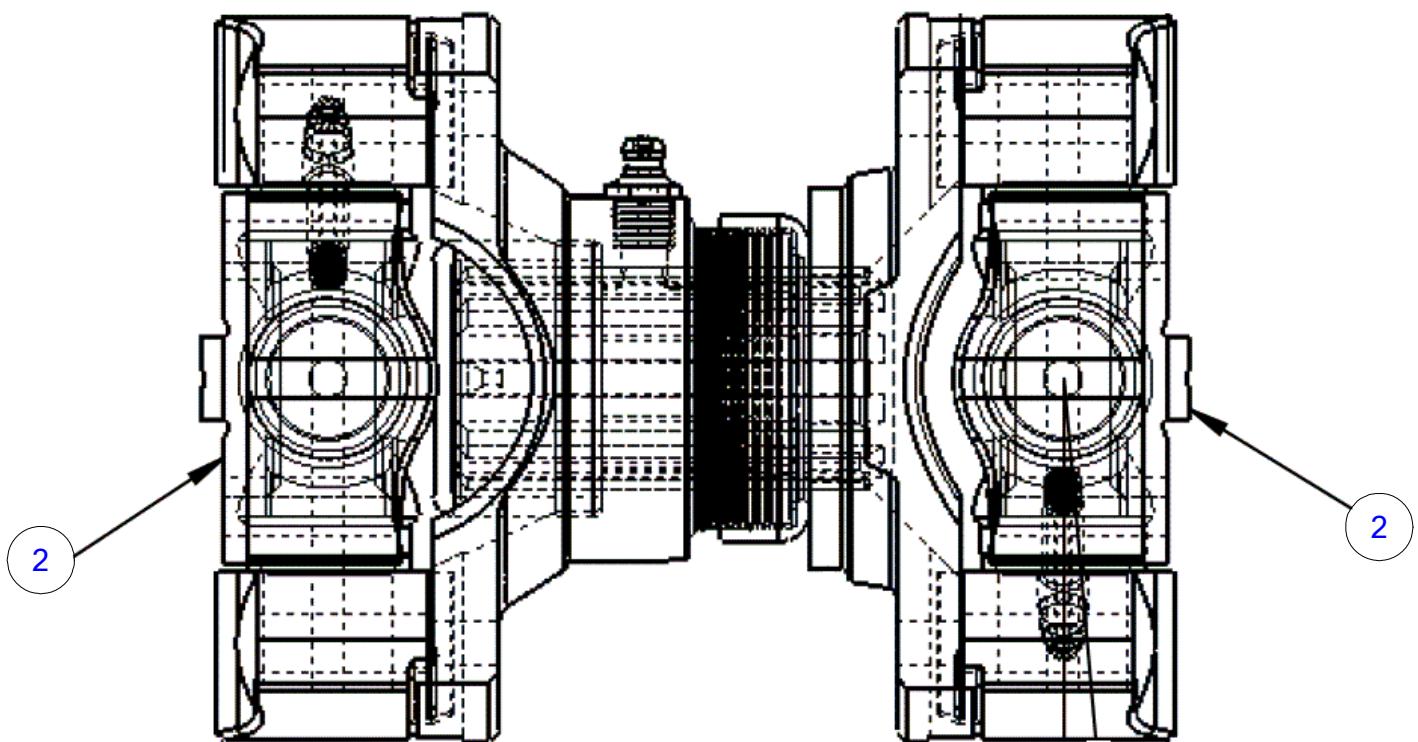
1. ASSEMBLE ALL COMPONENTS OF THE DRIVELINE FROM THE TRANSMISSION TO THE FRONT AXLE BUT DO NOT WELD ANYTHING.
2. RUN ITEM 2 THROUGH ITEM 6 THEN BOLT ITEM 6 TO MOUNT ITEM 7. MOUNTED IN BETWEEN. ORIENT ITEM 6 WITH GREASE HOLE FACING THE OPERATOR.
3. WELD ITEM 7 ON THE FRONT FRAME AFTER POSITIONING PILLOW BLOCK ITEM 6.
4. FOR A SMOOTH OPERATION ENSURE DISTANCES BETWEEN CENTER ARTICULATION, TRANSMISSION FLANGE AND ITEM 2 ARE RESPECTED.
5. APPLY LOCTITE 262 AND TORQUE DRIVELINE BOLTS TO 35 LB- FT

Item No.	Part Number	Part Name	Qty.
1	RH008483	DRIVELINE - F/Axle to Brg Shaft	1
2	RH008424	DRIVELINE - Front Frame	1
3	R026551-001	DRIVELINE - TRANSMISSION TO FRONT	1
4	R025985-001	DRIVELINE - TRANS - RR AXLE	1
5	R025984-001	DRIVELINE - TRANS - TORQUE	1
6	R014595-001	PILLOW BLOCK	1
7	R026436-002	PLATE - Pillow Bearing Mnt	1
8	R105992	WASHER, FLAT - N,0.5,0.094T,300HV,L9,CZ	2
9	R103570	HHCS - 0.5-13NCx1.5,G8,FT,CZ	2
10	R026417-001	YOKE LINK	1

DRIVELINE - TRANSMISSION TO FRONT

NOTE: ONLY LISTED ITEMS ARE REPLACEABLE.

Item No.	Part Number	Part Name	Qty.
2	R391054-113	U-JOINT	1

DRIVELINE - TRANS - RR AXLE

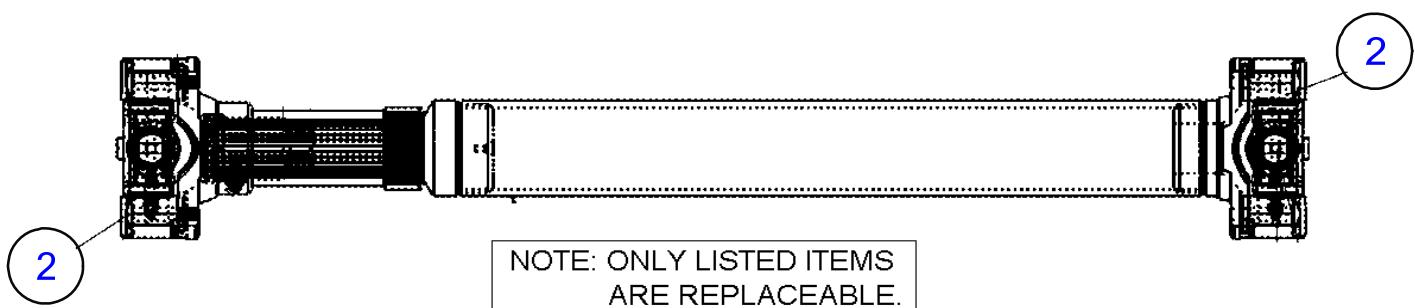
NOTE: ONLY LISTED ITEMS ARE
PLACEABLE.

21-4895: LT-270 - MINERO DIESEL



Item No.	Part Number	Part Name	Qty.
2	R025984-100	U-JOINT	2

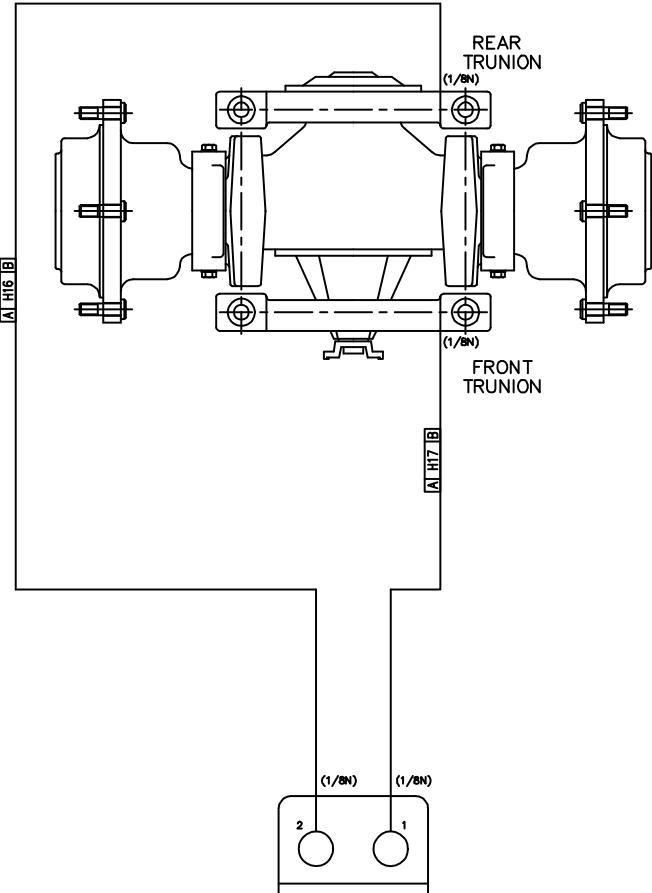
DRIVELINE - TRANS - TORQUE



21-4895: LT-270 - MINERO DIESEL



Item No.	Part Number	Part Name	Qty.
2	R025984-100	U-JOINT	2

REMOTE GREASE CIRCUIT LT-270

2 POINT GREASE MANIFOLD
PLUMBING, REAR

HP: HOSE PRESSURE
PORTS LABELS
- (#) SAE
- (N) NPT
- (G) BSPP
- (#SF1) SPLIT FLANGE CODE 61
- (#SF2) SPLIT FLANGE CODE 62

RETURN LINE -----
LOAD SENSE LINE -----
PRESSURE LINE -----
SUCTION LINE -----
PILOT LINE -----

REMOTE LUBE
1. LH UP. BOOM PIN
2. RH L. HOIST PIN
3. FRONT STEER PIN
4. RH UP. BOOM PIN
5. LH L. HOIST PIN
6. UP DUMP CYL PIN
7. PILLOW BLK BRG
8. LOWER ARTIC PIN

12 POINT GREASE MANIFOLD
PLUMBING, FRONT

21-4895: LT-270 - MINERO DIESEL



Item No.	Part Number	Part Name	Qty.
1	R801628-003	PLUMBING KIT	REF.
2	R106537	BREATHER VENT - 1/8" NPT	1

KIT, TAGS, BRANDING, LT-270, SP

PLEASE SEE PARTS LIST

Item No.	Part Number	Part Name	Qty.
1	R037437-001	TAGS - MODEL, LT-270 - 2.70" X 12"	2
2	R100561105	TAGS - JOY/GLOBE MARK - 7.89" X 11.57"	2
3	R100546308	TAGS - JOY/GLOBE MARK - 3.76" X 5.5"	3
5	R037358-002	TAGS - WARNING, RUNAWAY VEHICLE - SP	1
6	R037364-002	TAGS - WARNING, SAFE VEHICLE OPERATION - SP	1
7	R037360-002	TAGS - LOW GEAR STEEP GRADE - SP	1
8	R037359-002	TAGS - DANGER, PINCH POINT - SP	1
9	R037361-002	TAGS - ARTICULATION PINCH POINT - SP	2
10	R037363-002	TAGS - ATTENTION, PARK BRAKE LOWER BUCKET - SP	1
11	R037541-002	TAGS - OPERATION OF BOOM LOCK - SP	1
12	R037401-002	TAGS - MASTER SWITCH SYMBOL - SP	1
13	R037517-001	TAGS - BUCKET/BOOM FUNCTION	1
14	R037402-002	TAGS - STEER PANEL - SP	1
15	R037391-002	TAGS - PROCEDURE, ACCUM DRAIN - SP	1
16	R037403-002	TAGS - TRANS OIL SYMBOL - SP	1
17	R037399-002	TAGS - FUEL SYMBOL - SP	1
18	R037406-002	TAGS - FUEL LEVEL SYMBOL - SP	1
19	R037396-002	TAGS - ENGINE OIL, 15W40 - SP	1
20	R037395-002	TAGS - TRANS FLUID, SAE 30 TRANS - SP	1
21	R037385-002	TAGS - HYD OIL, SAE 30 TRANS - SP	1
22	R037400-002	TAGS - HYD FILTER SYMBOL - SP	1
23	R037404-002	TAGS - HYD OIL LEVEL SYMBOL - SP	1
24	R037996-002	TAGS - HYDRAULIC OIL - SP	1
25	R037405-002	TAGS - TRANS OIL LEVEL SYMBOL - SP	1
26	R037380-002	TAGS - HYD HIGH PRESSURE FILTER - SP	1
27	R037381-002	TAGS - FSS ENG SHUT DOWN - SP	1
28	R037526-002	TAGS - PILOT ACCUMULATOR PRES - SP	1
29	R037398-002	TAGS - ACCUM DRAIN - SP	1
30	R037394-002	TAGS - PILOT PRESSURE - SP	1
31	R037522-002	TAGS - SYSTEM PRES - SP	1
32	R037524-002	TAGS - ACCUMULATOR PRES - SP	1
33	R037523-002	TAGS - BRAKE PRES - SP	1
34	R038076-002	TAGS - REAR CRADLE	1
35	R038071-002	TAGS - PILOT ACCUM PRECHARGE 90PSI - SP	1
36	R037757-002	TAGS - BRAKE FLUID FILL - SP	1
37	R038079-002	TAGS - REMOTE LUBE, F. FR., LT-270 - SP	1
38	R037518-002	TAGS - TRANS OIL FILL - SP	1
39	R038078-002	TAGS - ACCUM PRECHARGE 1000 PSI - SP	1

PRUEBAS DE FRENOS

Se deben realizar las pruebas de frenos antes de operar esta máquina y antes de entrar a una rampa.

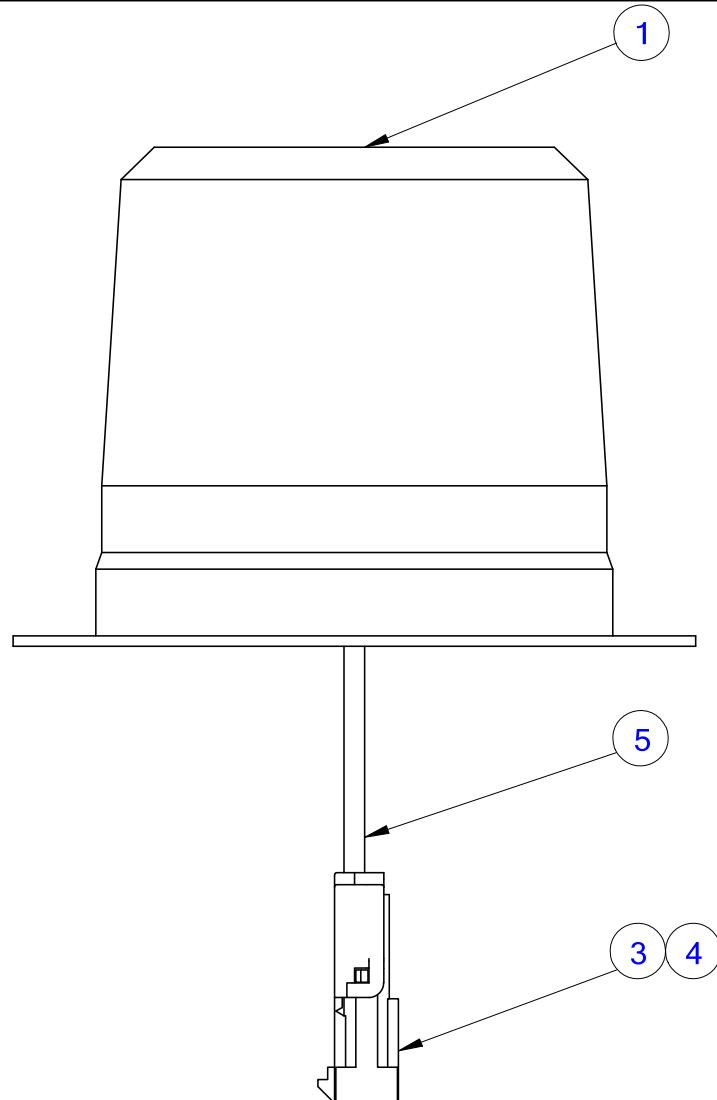
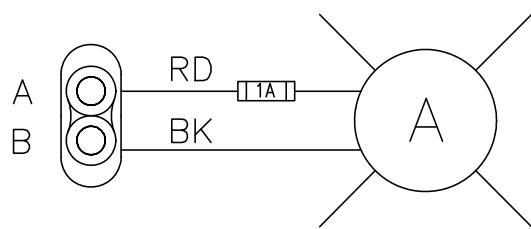
PRUEBA DEL FRENO DE MANO

1. Ponga el freno de mano
2. Arranque el motor
3. Seleccione la 2da velocidad hacia adelante de la transmisión
4. Alcance la máxima aceleración
5. La máquina no debe moverse. Si la máquina se mueve, se le debe dar mantenimiento.
NO HAGA FUNCIONAR EL EQUIPO.

PRUEBA DEL FRENO DE SERVICIO

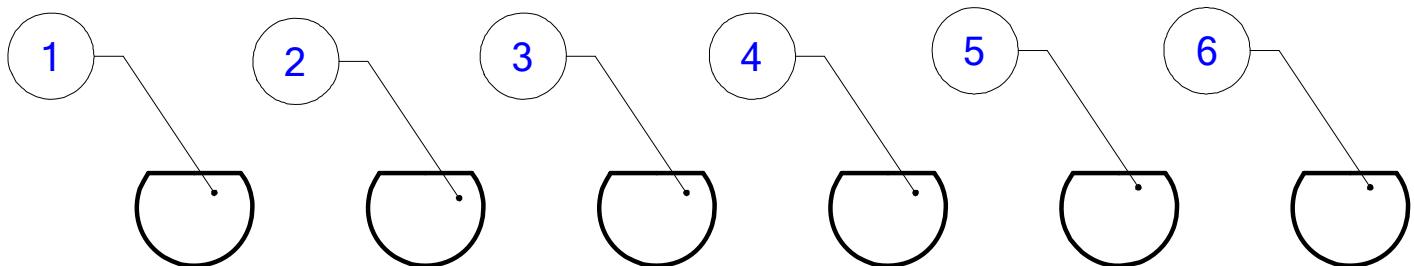
1. Ponga el freno de mano
2. Arranque el motor
3. Aplique firmemente el freno de servicio
4. Libere el freno de mano
5. Seleccione la 2da velocidad hacia adelante de la transmisión
6. Alcance la máxima aceleración
7. La máquina no debe moverse. Si la máquina se mueve, se le debe dar mantenimiento.
NO HAGA FUNCIONAR EL EQUIPO.

KOMATSU 037367-002

OPTION STROBE, AMBER**WIRING**

INSTALL FUSE (ITEM 5) IN LINE BETWEEN STROBE POS LEAD (RED) AND PIN 1 OF CONNECTOR (ITEM 4). USE SOLDER FROM FUSE LEAD TO RED LEAD AND PROTECT WITH HEAT SHRINK.

Item No.	Part Number	Part Name	Qty.
1	R391296-5	STROBE LIGHT, AMBER	1
3	R133129	PIN, PACKARD	2
4	R141109	CONNECTOR PACKARD 2 PIN	1
5	RH015680	INLINE FUSE - 1 AMP	1

ASSY, LT-270 FLUIDS**NOTE:**

- FRONT AXLE & REAR AXLE COME PRE-FILLED
- PART# H003098 ADDITIVE TO BE USED ON FRONT AXLE ONLY

CAPACITY FOR REFERENCE ONLY:

AXLE, FRONT = 13L, PART# 135828

- WHEEL ENDS = 1.25L EACH
- AXLE CENTER HOUSING = 10.5L

= 0.5L, PART# H003098

AXLE, REAR = 13L, PART# 135828

- WHEEL ENDS = 1.25L EACH
- AXLE CENTER HOUSING = 10.5L

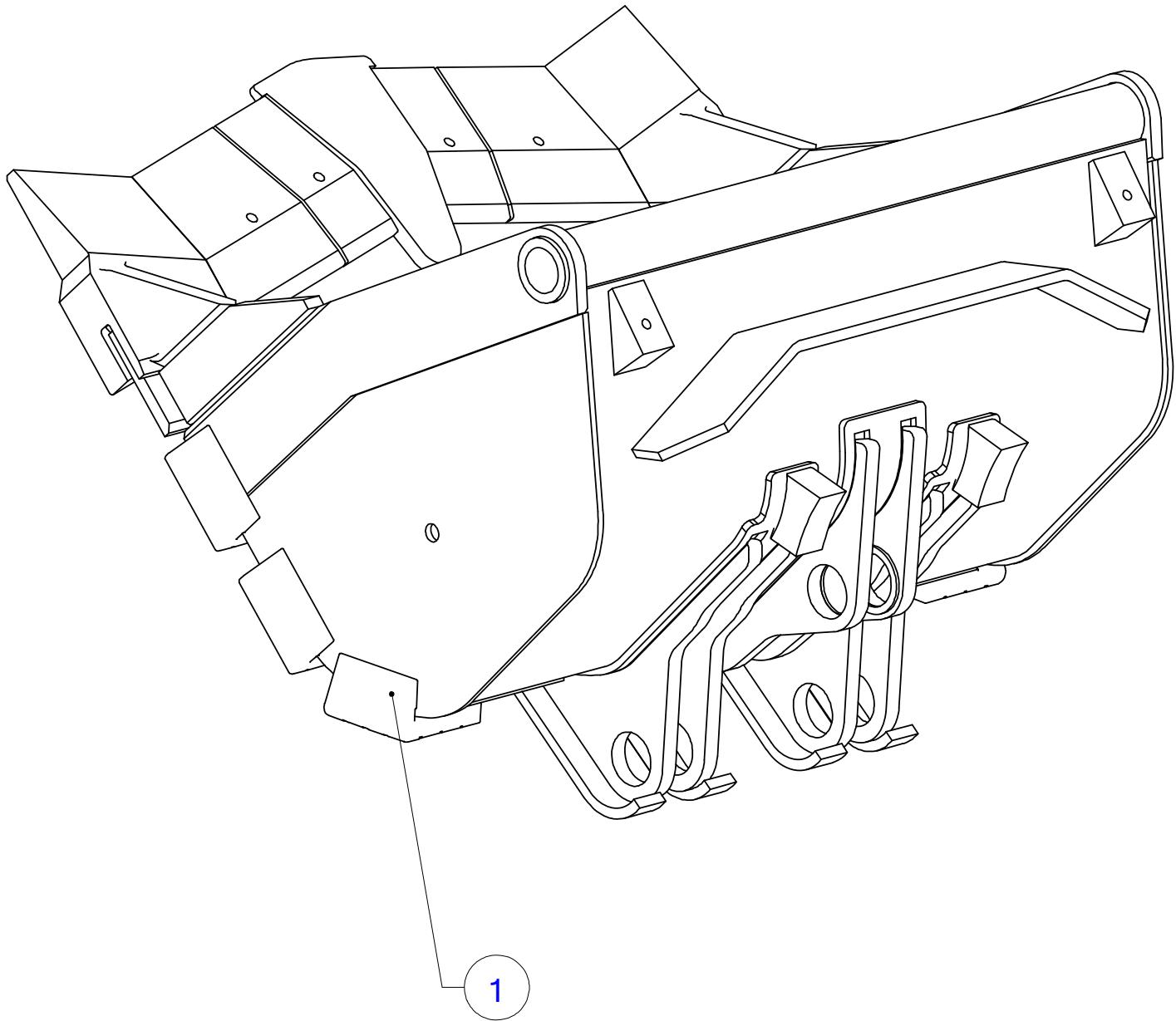
COOLING SYSTEM = 20L, PART# 140512

ENGINE = 7L, PART# 135279

HYDRAULIC SYSTEM = 130L, PART# 107371

TRANSMISSION = 19L, PART# 140118

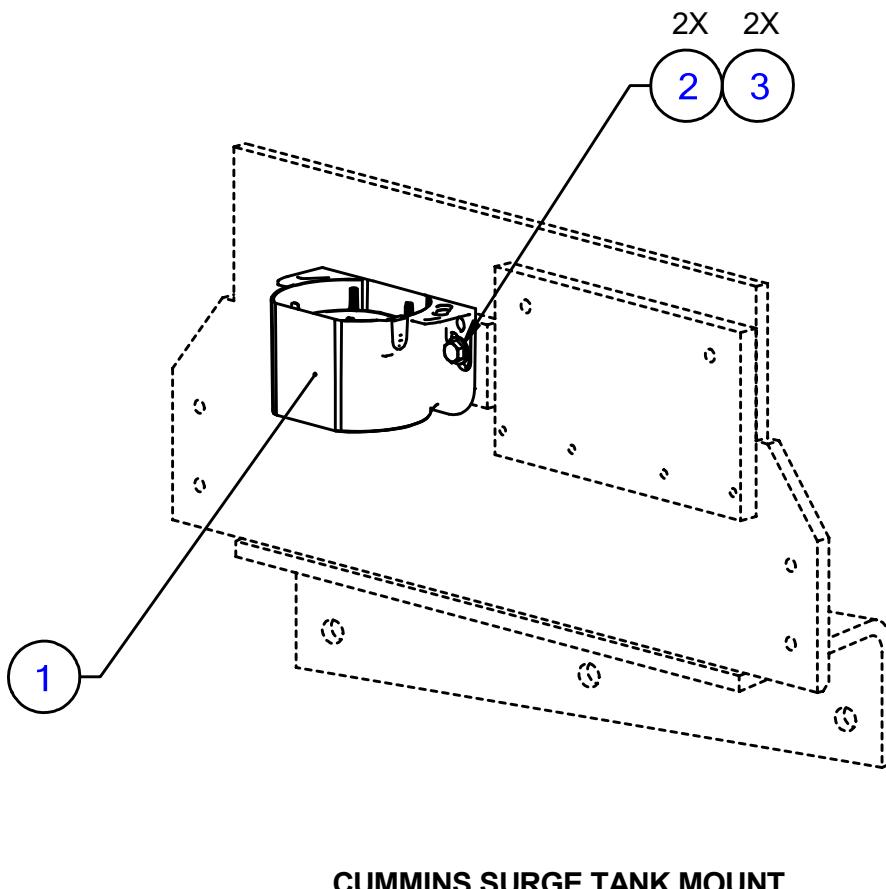
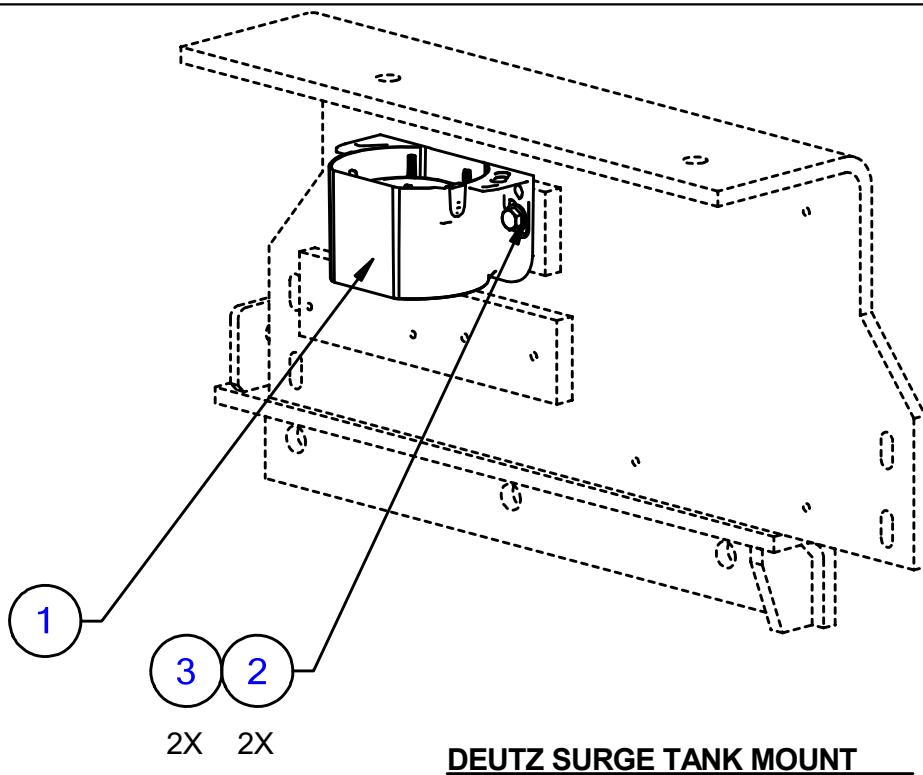
Item No.	Part Number	Part Name	Qty.	Units
1	R107371	HYDRAULIC OIL	130	Litre
2	R140118	AUTOMATIC TRANS. FLUID	19	Litre
3	R140512	ANTIFREEZE	20	Litre
4	RH003098	ADDITIVE, LIMITED SLIP DIFF.	?	Litre
5	R135828	GEAR OIL-HYPOID	REF.	
6	R135279	MOTOR OIL	7	Litre

INSTLN, BUCKET, LT-270

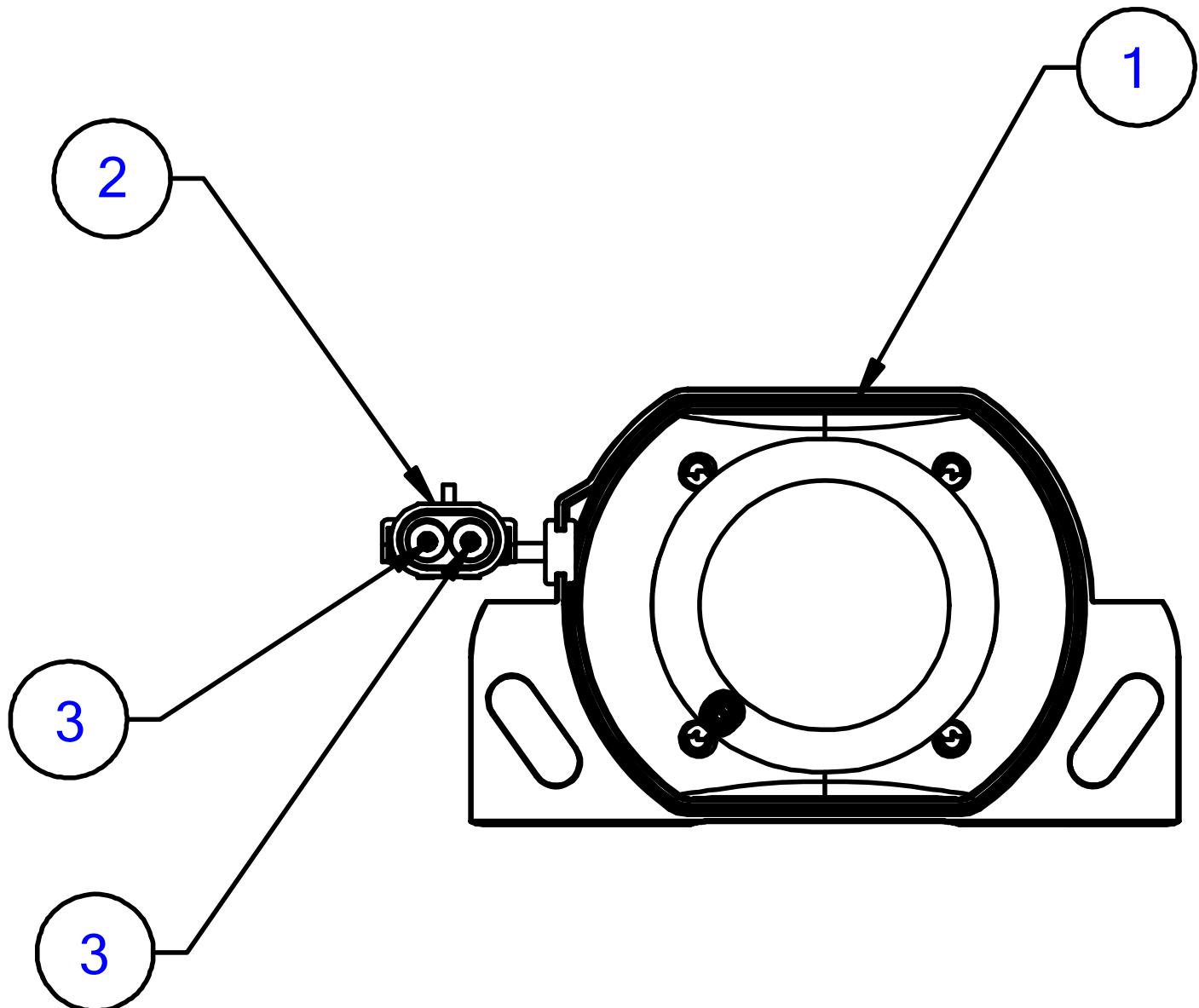
21-4895: LT-270 - MINERO DIESEL



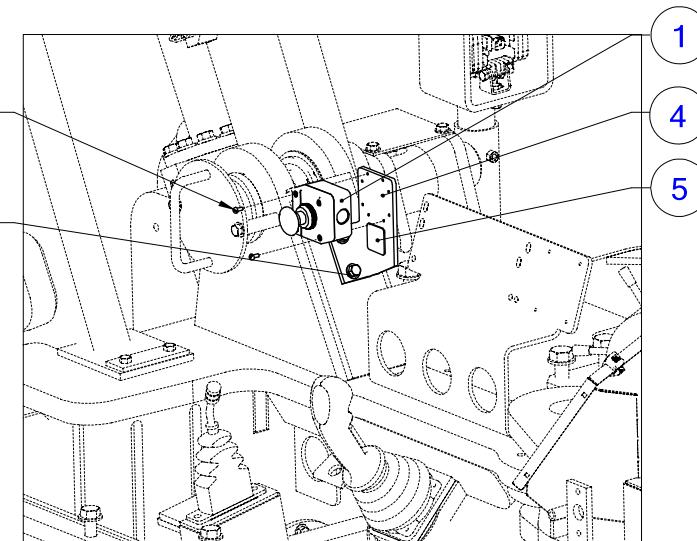
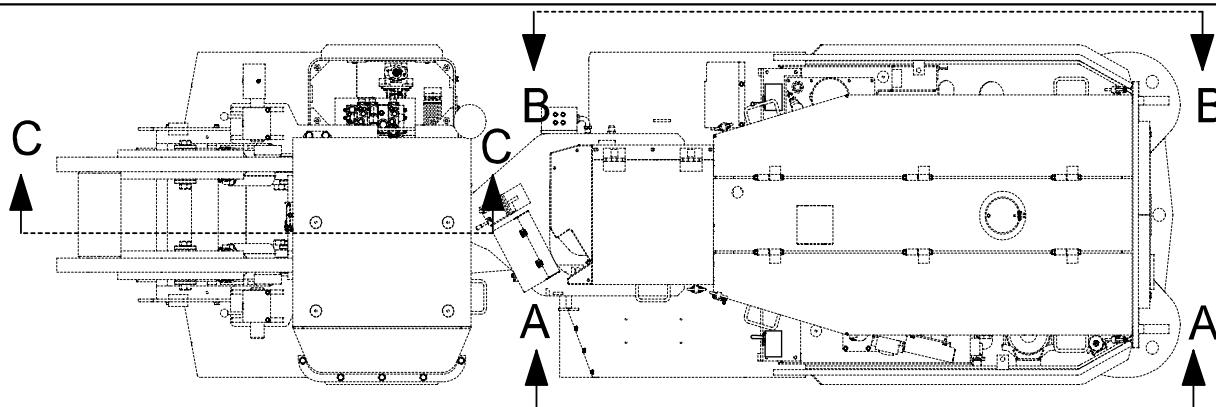
Item No.	Part Number	Part Name	Qty.
1	R030511-501	MACHG, BUCKET LT-270	1

INSTLN, BACK-UP ALARM, LT-270

Item No.	Part Number	Part Name	Qty.
1	RH020568	ASSY, BACK-UP ALARM PACKARD CONNECTION	1
2	R128617	WASHER, FLAT - N,0.25,0.063T,300HV,G9,CZ	2
3	R144353	HHCS - 0.250-20NC x 0.500 Gr.8	2

ASSY, BACK-UP ALARM PACKARD CONNECTION

Item No.	Part Number	Part Name	Qty.
1	RH019710	ALARM, BACK-UP, LOW PROFILE	1
2	R141109	CONNECTOR - 2 PIN	1
3	R133129	PIN C/W SEAL	2

INSTLN, ESTOP, 3 BUTTON, LT-270

INSIDE OPERATOR COMPARTMENT

8

7

1

6

2

5

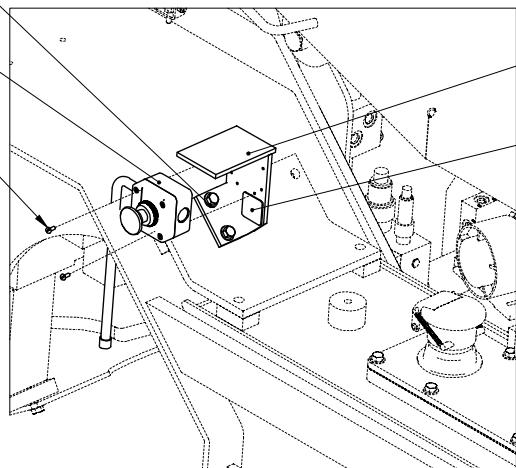
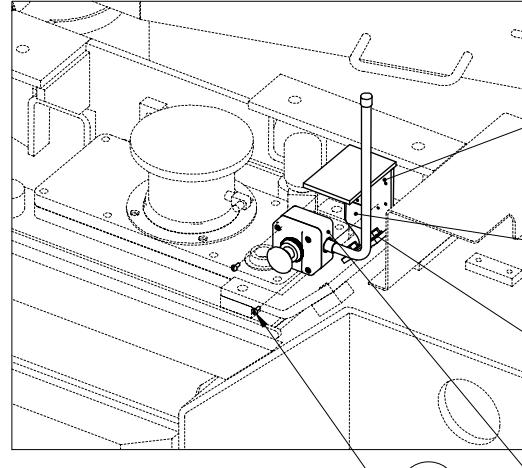
3

5

7

8

1

REAR LH
OPERATOR SIDEREAR RH
HYDRAULIC TANK SIDE

NOTE

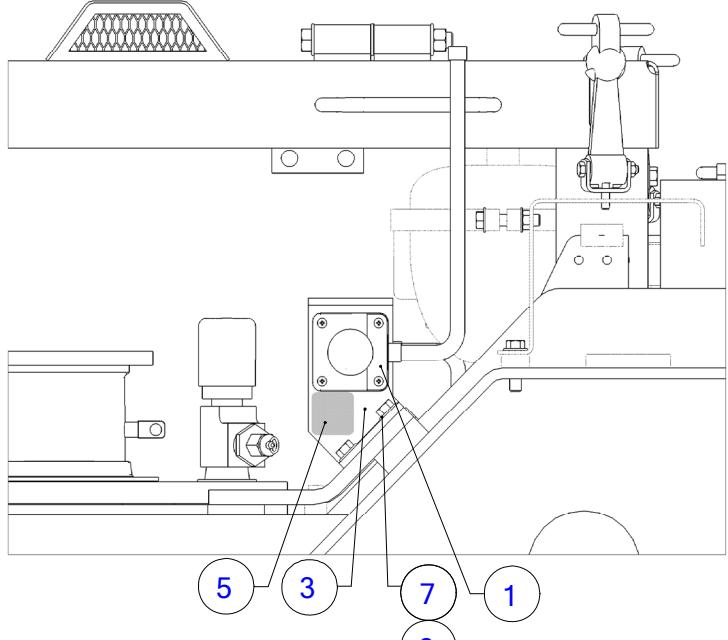
SEE SHEET 2 & 3 FOR TAG LOCATION

ITEM 9 NOT SHOWN, ROUTE WITH EXISTING HARNESS

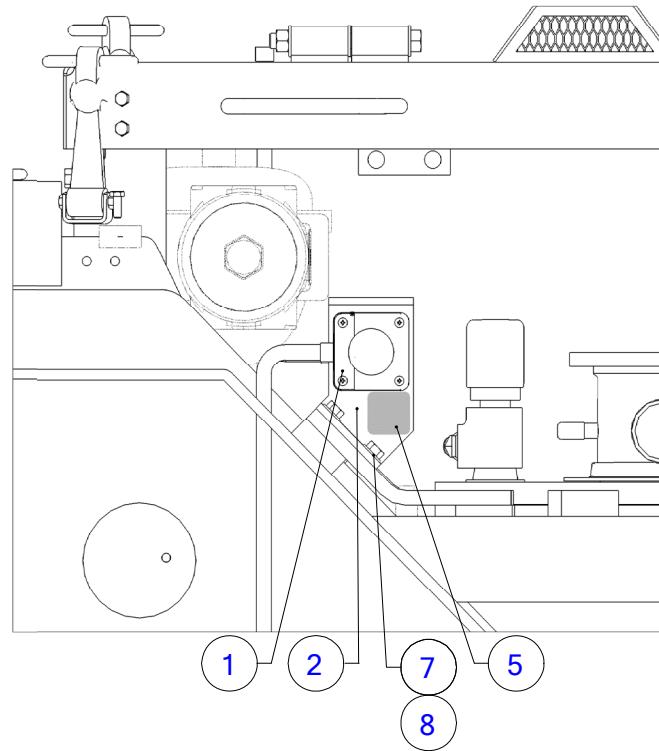
21-4895: LT-270 - MINERO DIESEL

INSTLN, ESTOP, 3 BUTTON, LT-270

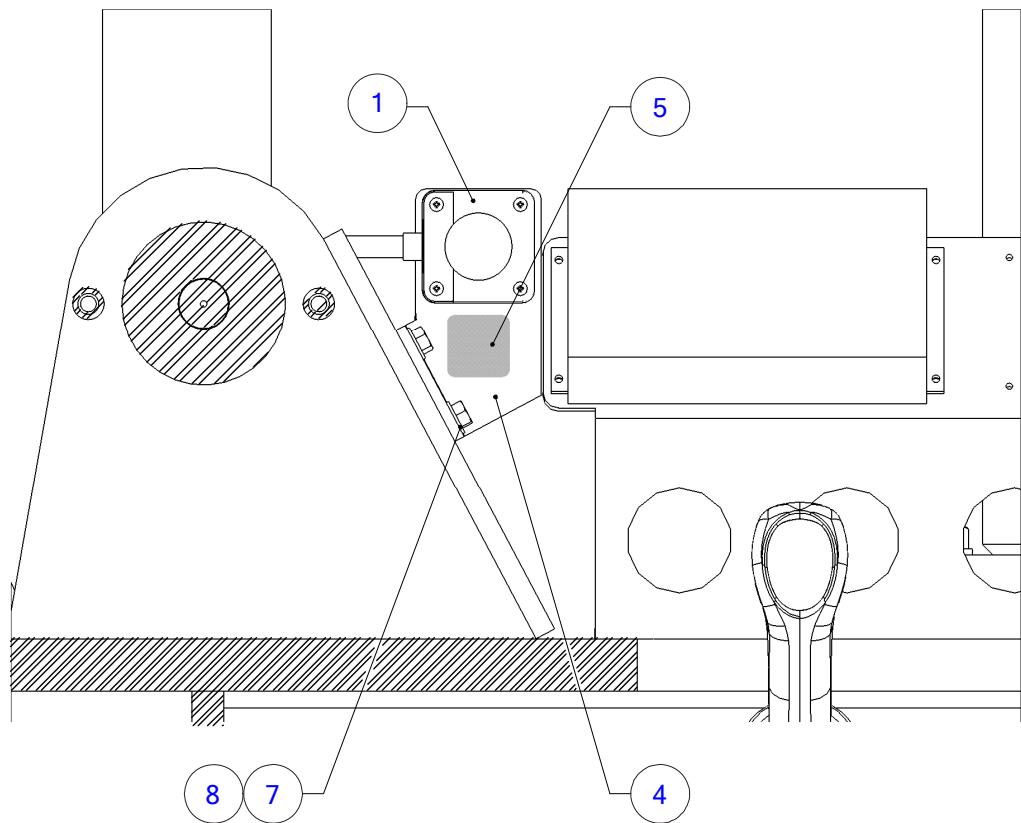
KOMATSU



SECTION B-B



SECTION A-A

INSTLN, ESTOP, 3 BUTTON, LT-270**SECTION C-C**

Item No.	Part Number	Part Name	Qty.
1	RH001465	ASSY, EMERGENCY STOP SWITCH	3
2	RH014853	EMERGENCY STOP MNT - RR, LH, LT-270	1
3	RH014852	EMERGENCY STOP MNT - RR, RH, LT-270	1
4	RH014843	EMERGENCT STOP MNT - OP COMP, LT-270	1
5	RH004589	TAGS - EMERGENCY STOP ISO	3
6	R00911604-0105	SCREW - CHS,HDM4 X 0.7, 10,GR 8	6
7	RH012781	WASHER, FLAT - N,0.375,0.063T,300HV,L9,CZ	6
8	R101142	HHCS - 0.375-16NCx0.5,G8,FT,CZ	6
9	RH020411	HARNESS, E-STOP - LT-270	1

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