



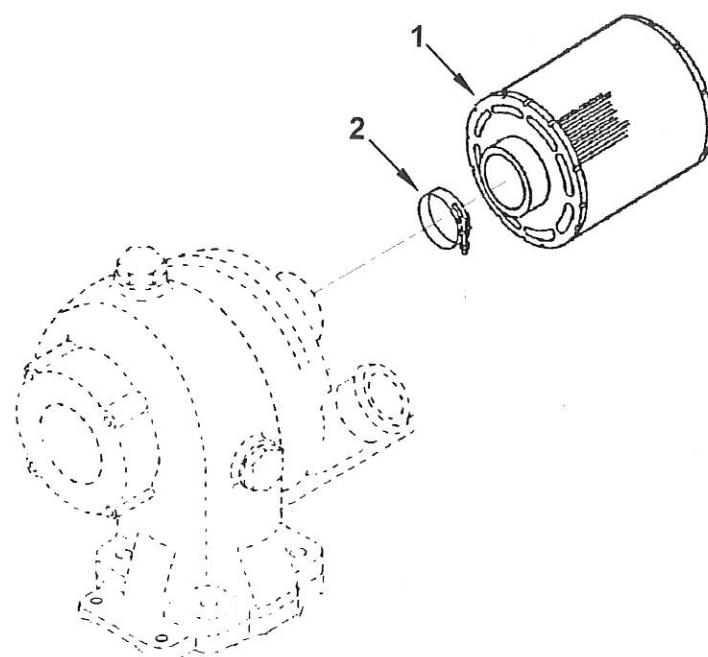
Parts Catalog

6BT5.9-DM

Group No. 10.04

Air Cleaner

Option No. AC9016

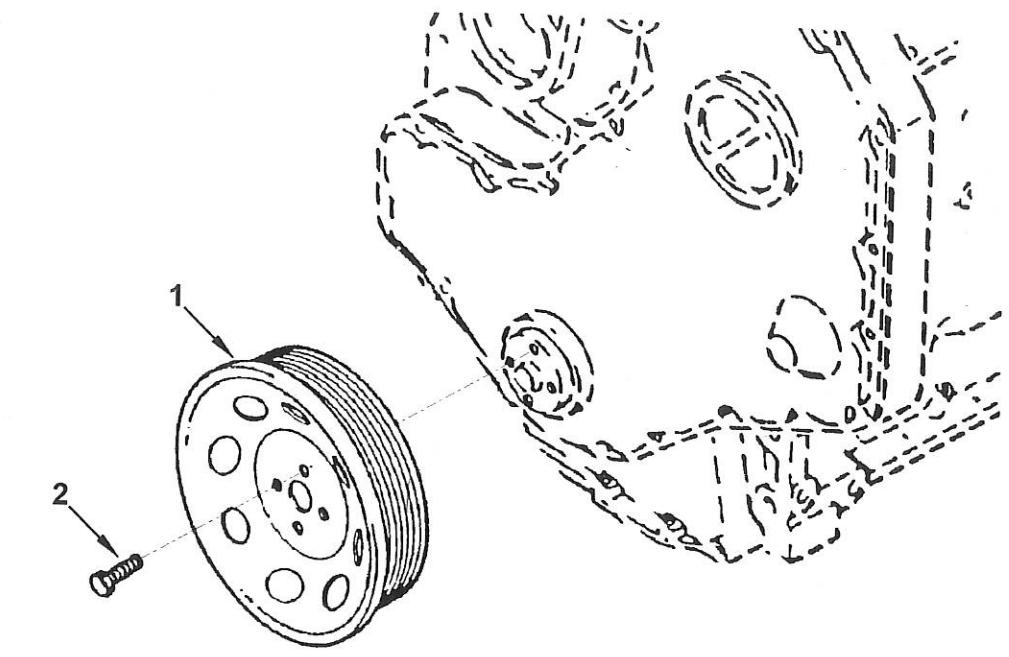


ac900go

Group No. 01.02.3

Front Drive Adapter

Option No. AF9006



af900gk

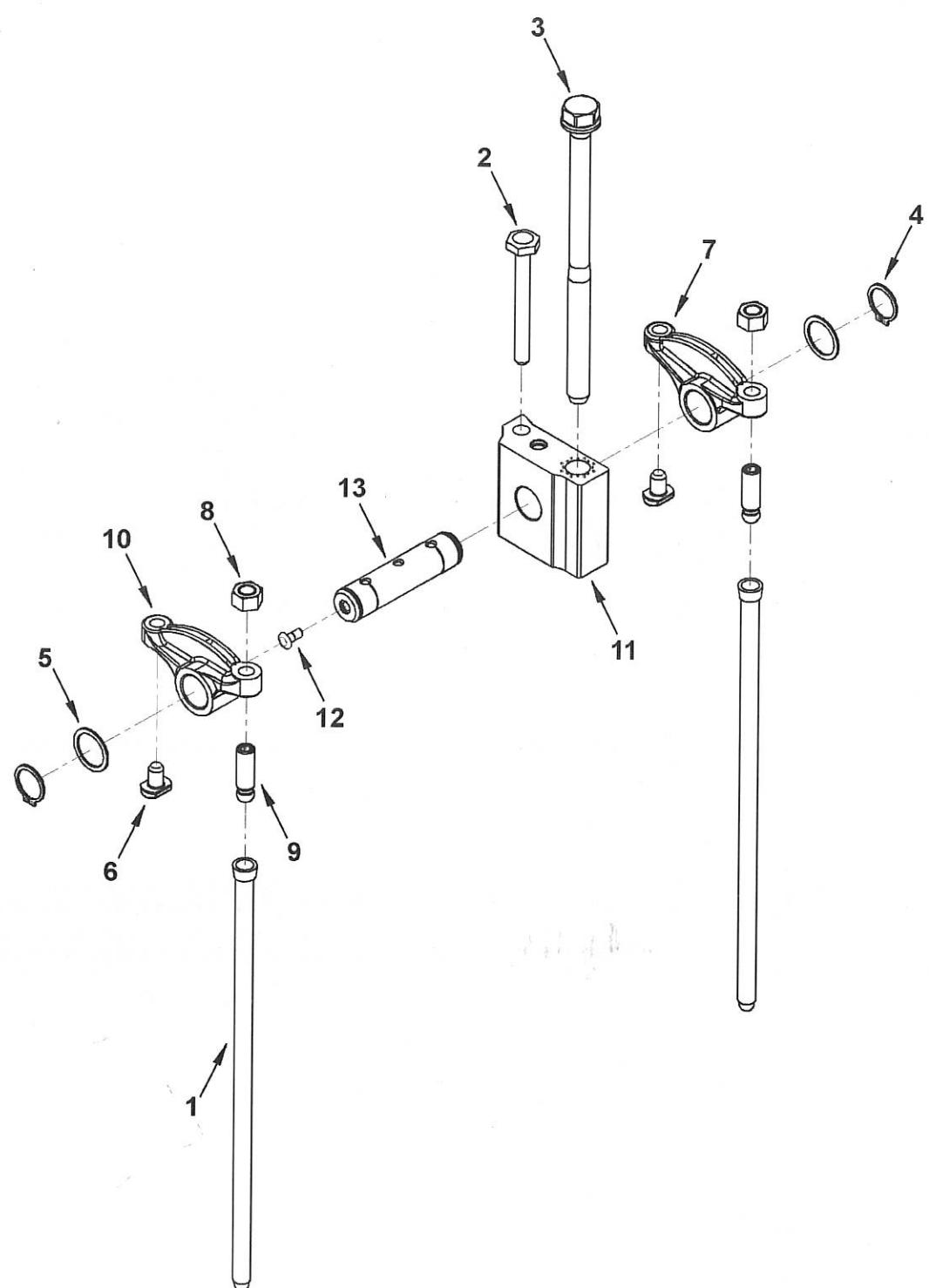
Ref No.	Part Number	Part Name	Req	Remarks
		AIR CLEANER OPTION AC9016		
1	3924893	Air Cleaner	1	Air Cleaner Duty Rating: Light Air Cleaner Exhaust OD (mm): 76.2 Mounting Location: On Turbocharger Manufacturer: Donaldson Filter Quantity: 1 Environment Capability: Indoor Filter Disposition: Reuseable Supply Method: Mounted Aspiration: Turbocharged
2	135144	Cleaner, Air Clamp, T Bolt	1	3 1/2"

Ref No.	Part Number	Part Name	Req	Remarks
		FRONT DRIVE ADAPTER OPTION AF9006		
1	3914494	Pulley, Crankshaft	1	Front Drive Adapter Adaptable to a PTO: No Pulley Type: 8 Groove Torque Limit (LBS.FT.): 210 Location From FFOB (mm): 93.32 Pulley Effective Diameter (mm): 173.76 Attachment Provision: Mounted
2	3903857	Screw, Hex Flange Head Cap	4	M12 X 1.25 X 36

Group No. 03.01

Rocker Levers

Option No. BP9710



bp953gc

Group No. 03.01

Rocker Levers

Option No. BP9710

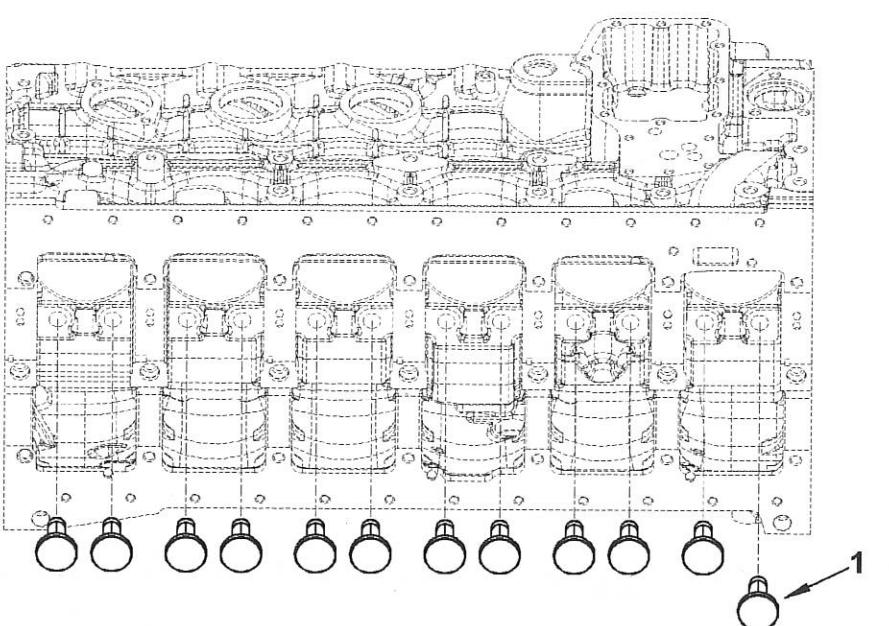
Ref No.	Part Number	Part Name	Req	Remarks
ROCKER LEVERS OPTION BP9710				
1	3284377	Rod, Push	12	Rocker Levers
2	3901221	Screw, Hexagon Head Cap	6	P/N 3910815 can be Used in Place of P/N 3939420.
3	3920781	Screw, Hex Flange Head Cap	6	
	3934920	Support, Rocker Lever	6	
4	3900242	Ring, Retaining	2	
5	3900245	Washer, Plain	2	
	3910810	Lever, Rocker	1	
6	(3900705) (3910808)	Insert, Rocker Lever	1	
7	3927692	Lever, Rocker	1	
8	3937438	Nut, Heavy Hexagon	1	
9	3910811	Screw, Rkr Lever Adjusting	1	
	(3900705)	Lever, Rocker	1	
6	3927692	Insert, Rocker Lever	1	
8	3937438	Nut, Heavy Hexagon	1	
9	(3910809)	Screw, Rkr Lever Adjusting	1	
10	3922488	Lever, Rocker	1	
	3911423	Shaft, Rocker Lever	1	
11	(3922487)	Support, Rocker Lever	1	
12	3919434	Shaft, Rocker Lever	1	
	(3922486)	Rivet	1	
13		Shaft, Rocker Lever	1	

Group No. 04.01

Valve Tappet

Option No. BP9711

NOTES

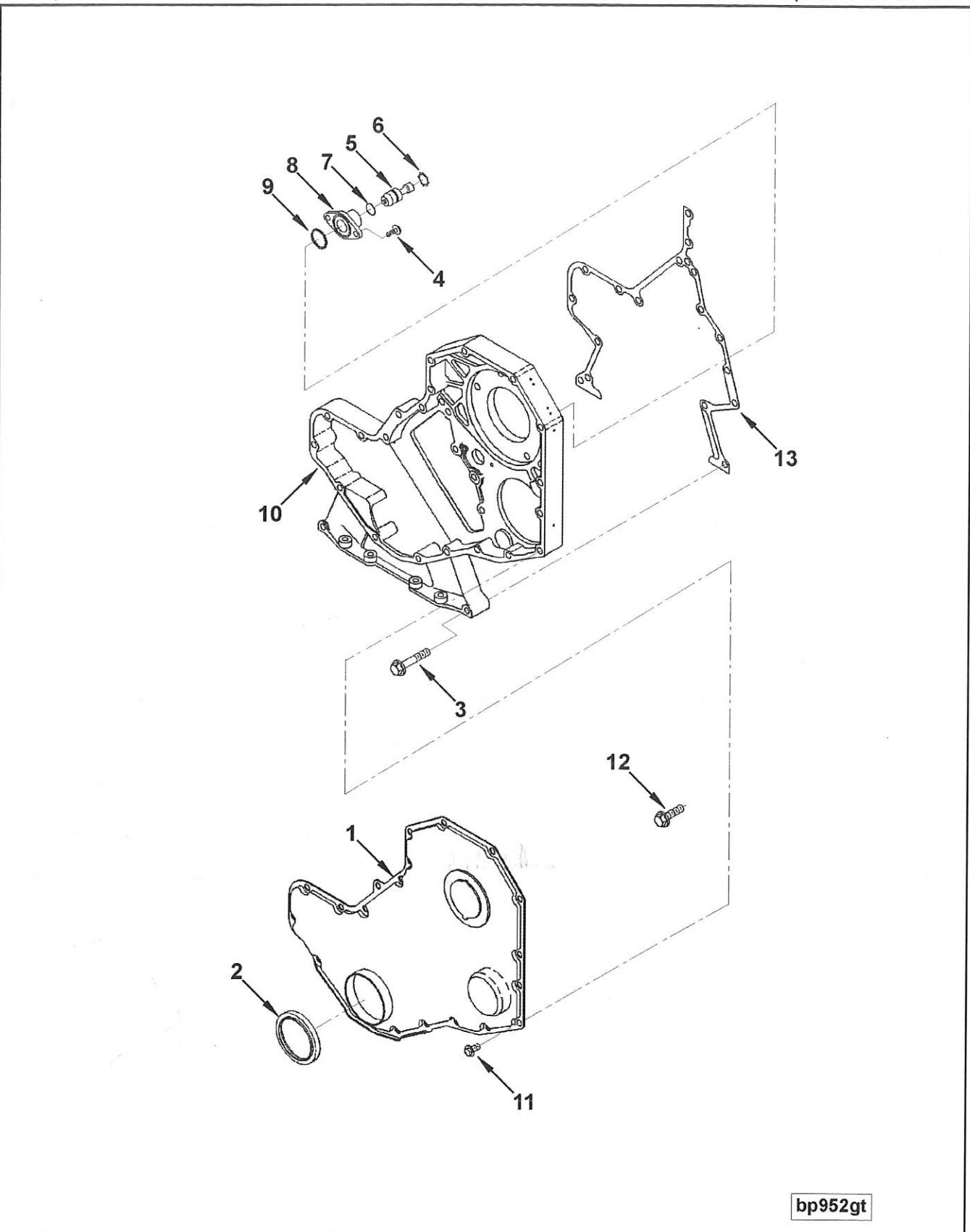


Ref No.	Part Number	Part Name	Req	Remarks
1	3931623	VALVE TAPPET OPTION BP9711 Tappet, Valve	12	Valve Tappet

Group No. 01.06

Front Gear Cover

Option No. BP9884



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Group No. 01.06

Front Gear Cover

Option No. BP9

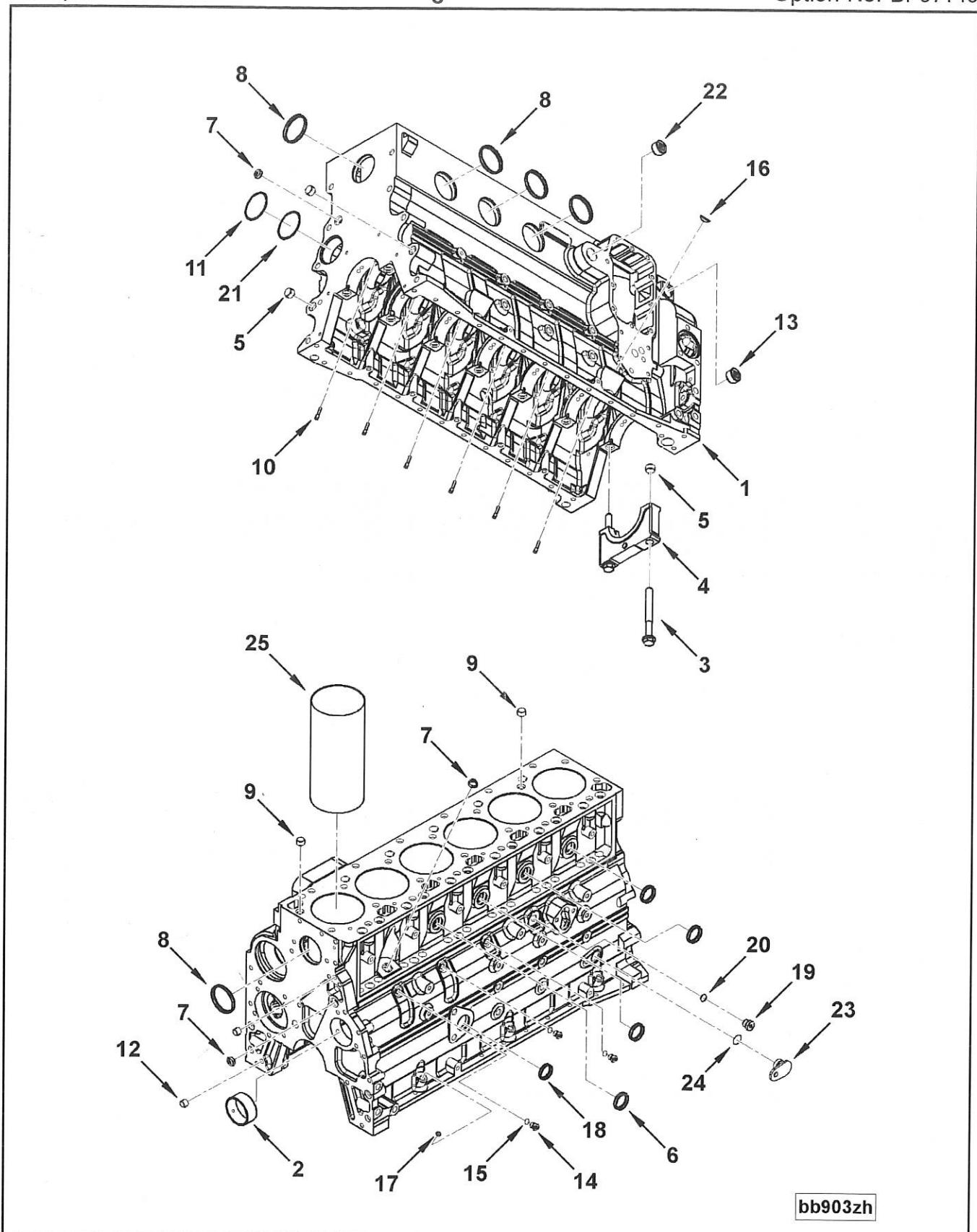
Ref No.	Part Number	Part Name	Req	Remarks
		FRONT GEAR COVER OPTION BP9884		Front Gear Cover
1	3287075 (3286312)	Cover, Gear	1	Belt Retainer Provided: No
2	3900633 (3935959)	Cover, Gear	1	Noise Dampening Panel Provided: No
3	3907998 (3913995)	Seal, Oil	1	Access for Tachometer Drive: Yes
4	3903924 (3913994)	Screw, Hex Flange Head Cap	11	Gear Housing Material: Cast Aluminum
5	3904849 (3913994)	Screw, Round Head Cap	2	Restricted Fuel Pump:
6	3915772 (3919683)	Housing, Timing Pin	1	Bosch VE
7	3920758 (3919683)	Pin, Timing	1	Bosch VP14
8	3924962 (3915772)	Ring, Retaining	1	CAV DPA
9	3926846 (3924962)	Seal, O Ring	1	CAV DPS
10	3938156 (3926846)	Housing, Timing Pin	1	Stanadyne DB3
11		Seal, Rectangular Ring	1	Stanadyne DB4
12		Housing, Gear	1	DEP may use P/N 3920518 in Place of P/N 3920758.
13		Screw, Hex Flange Head Cap	11	BZL may use P/N 3969976 Instead of P/N 3287075.
		Screw, Hex Flange Head Cap	5	
		Gasket, Gear Housing	1	
				M8 X 1.25 X 20

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Group No. 01.01

Engine Block

Option No. BP97149



Page 10

Group No. 01.01

Engine Block

Option No. BP97149

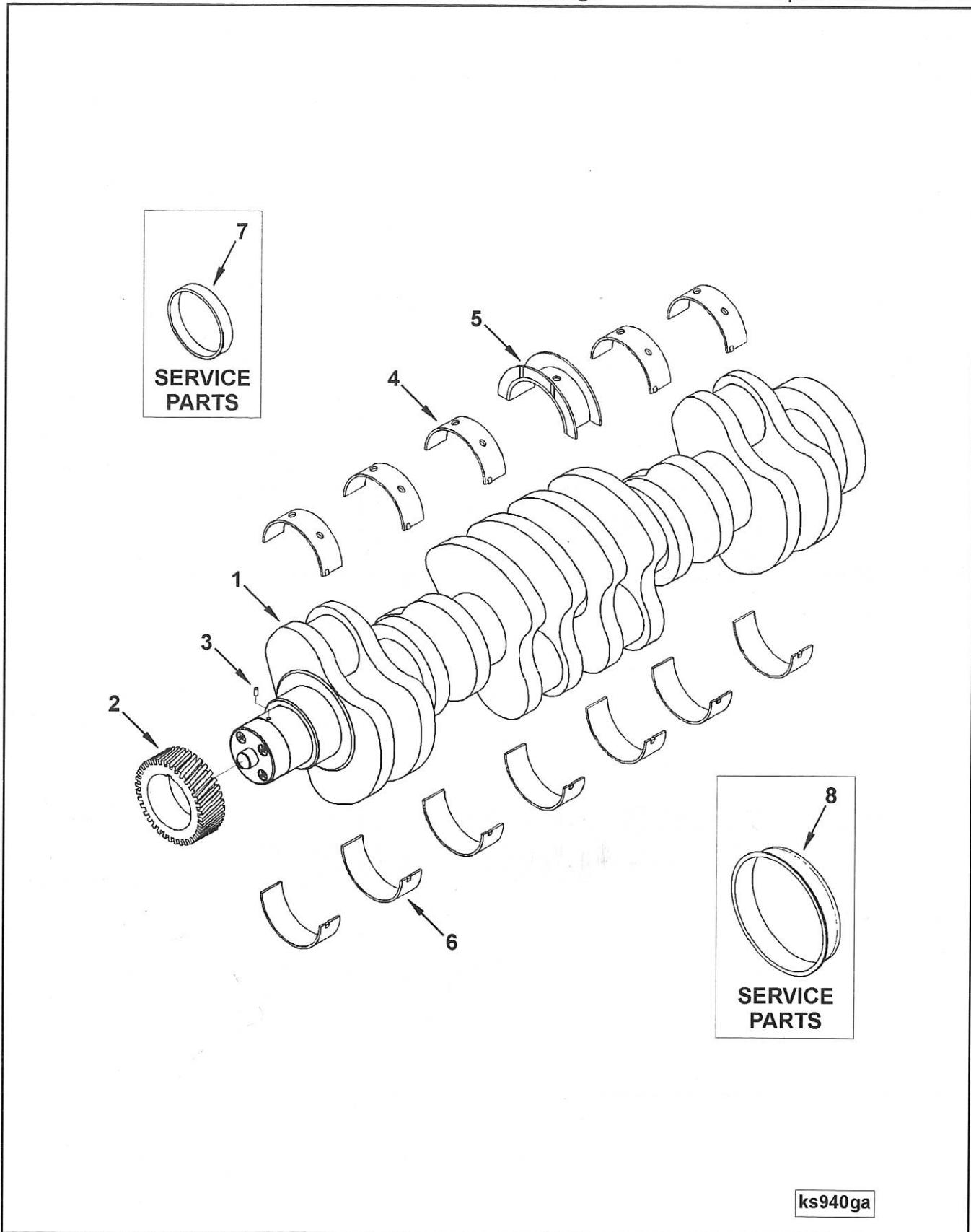
Ref No.	Part Number	Part Name	Req	Remarks
ENGINE BLOCK OPTION BP97149				
1	3935943 (3935936) (3935937)	Block, Cylinder	1	Engine Block
2	3940059	Block, Cylinder	1	Aspiration: Charge Air Cooled
3	3927948	Block, Cylinder	1	Jacket Water Aftercooled
4	3936791 (3936057)	Bushing	1	Sea Water Aftercooled
5	3900068	Screw, Hex Flange Head Cap	14	Turbocharged
6	3914035	Cap, Main Bearing	7	Turbo Drain Orientation: 12:00
7	3900956	Cap, Main Bearing	1	Fuel Type: Diesel
8	3922072	Dowel, Ring	2	Tapped Fittings: STORM
9	3933220	-Plug, Expansion	4	Expansion Plug 3007635 may be Used in
10	3900068	-Plug, Expansion	3	Brazil Application
11	3902343	-Plug, Expansion	5	in Place of 3914035.
12	3937214	Kit, Cyl Block Hardware	1	For use With Encore Block in Place of
13	3900687	Dowel, Ring	2	BP9790.
14	3900257	Dowel, Ring	2	CNS may use P/N 3900965 Expansion Plug in
15	3008468	Nozzle, Piston Cooling	6	Place of P/N 3922072 Expansion Plug.
16	3678923 (3678924)	Plug, Expansion	1	
17	3678925	Dowel, Pin	2	
18	3920706	Plug, Pipe	1	
19	3900955	Plug, Threaded	3	
20	3900958	Plug, Threaded	1	
21	3678921 (3678922)	Seal, O Ring	1	
22	3678912	Plug, Expansion	1	
23	3926047	Seal, O Ring	1	
24	3008469 3932296 (3932290) 3330478	Seal, O Ring	1	
25	3904369 3903242 3904166	Plug, Pipe	1	
SERVICE PARTS				
2	3904369	Bushing	A/R	No. 1 Bore
2	3903242	Bushing	A/R	No. 2-5 Bore
25	3904166	Sleeve, Salvage	A/R	

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Group No. 01.02

Crankshaft and Bearings

Option No. BP97149



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Group No. 01.02

Crankshaft and Bearings

Option No. BP97149

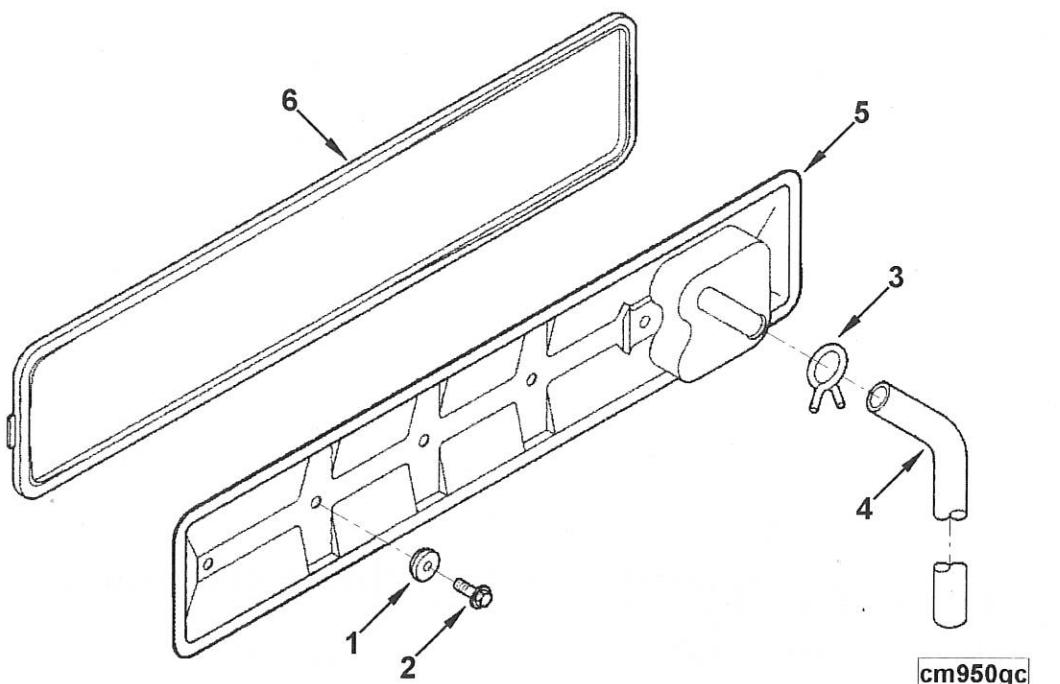
Ref No.	Part Number	Part Name	Req	Remarks
CRANKSHAFT AND BEARINGS OPTION BP97149				
1	3908032 (3929037)	Crankshaft, Assembly	1	
2	3929027	Crankshaft, Engine	1	
3	3904483	Gear, Crankshaft	1	
	Dowel, Pin		1	
4	3802070	Set, Main Brg (STD)	1	
5	3929016	Bearing, Main	6	
6	3926723	Bearing, Crankshaft Thrust	1	
	3929021	Bearing, Main	7	
4	3802071 3929017 (3283065)	Set, Main Brg (.010")	A/R	0.25 mm Oversize
5	3929022	Bearing, Main	6	
6		Bearing, Crankshaft Thrust	1	
		Bearing, Main	7	
4	3802072 3929018 (3283066)	Set, Main Brg (.020")	A/R	0.50 mm Oversize
5	3929023	Bearing, Main	6	
6		Bearing, Crankshaft Thrust	1	
		Bearing, Main	7	
4	3802073 3929019 (3283067)	Set, Main Brg (.030")	A/R	0.75 mm Oversize
5	3929024	Bearing, Main	6	
6		Bearing, Crankshaft Thrust	1	
		Bearing, Main	7	
4	3802074 3929020 (3283068)	Set, Main Brg (.040")	A/R	1.00 mm Oversize
5	3929025	Bearing, Main	6	
6		Bearing, Crankshaft Thrust	1	
		Bearing, Main	7	
5	3800330 (3283063)	Bearing, Crankshaft Thrust	A/R	0.50 mm Oversize
6	3929023	Bearing, Crankshaft Thrust	1	
		Bearing, Main	1	
5	3800331 (3283064)	Bearing, Crankshaft Thrust	A/R	1.00 mm Oversize
6	3929025	Bearing, Crankshaft Thrust	1	
		Bearing, Main	1	
7	3802820	SERVICE PARTS Kit, Wear Sleeve	A/R	Front Seal
8	3926126	Kit, Wear Sleeve	A/R	Rear Seal

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Group No. 04.03

Cam Follower Cover

Option No. CM9016

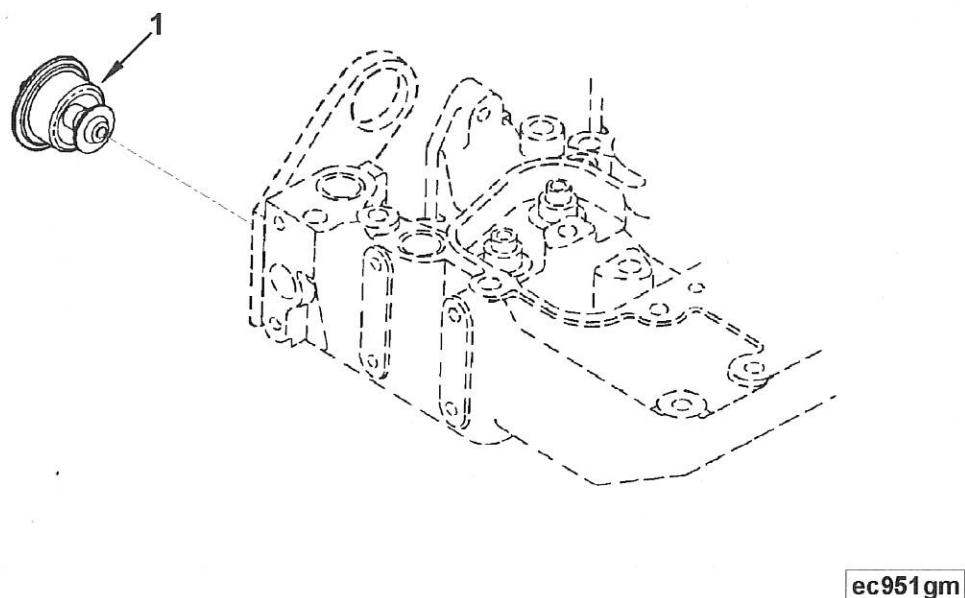


Ref No.	Part Number	Part Name	Req	Remarks
CAM FOLLOWER COVER OPTION CM9016				
Cam Follower Cover Hose Angle Off Breather (Deg): 45 Hose Location on Baffle: Top Noise Panel Provision: None Double Baffle: No Baffle Location on Engine: #5 Cylinder Hose and Clamp Provided: Yes Drain Hose Length (mm): 435 Fuel Pump Type: Inline Breather Provision: Yes Noise Isolator Provision: No				
1	3928759	Seal, Grommet	4	
2	3900629	Screw, Hex Flange Head Cap	4	
3	3904230	Clamp, Spring Hose	1	
4	3918614	Hose, Plain	1	
5	3990730	Cover, Push Rod	1	
6	3284623	Gasket, Push Rod Cover	1	

Group No. 08.07

Thermostat

Option No. EC9039

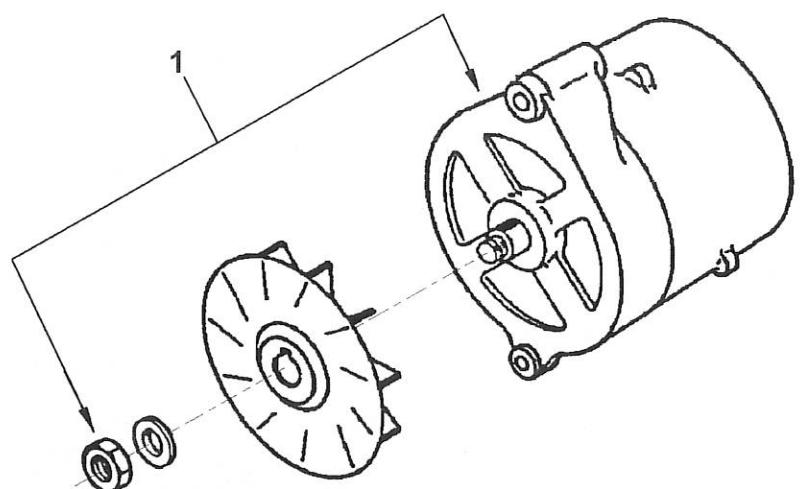


Ref No.	Part Number	Part Name	Req	Remarks
THERMOSTAT OPTION EC9039				
Thermostat Degree C Thermostat Opens: 82 Number of Thermostats: 1 Thermostat Type: Jiggle Pin Vented/Non-Vented: Vented Requires By Pass Housing: No Required Housing Bore Diameter (mm): 54.10 Low Gain Thermostat: No Thermostat Seat Type: Hard				
1	3972071	Thermostat	1	

Group No. 13.02

Alternator

Option No. EE9035



ee930gb

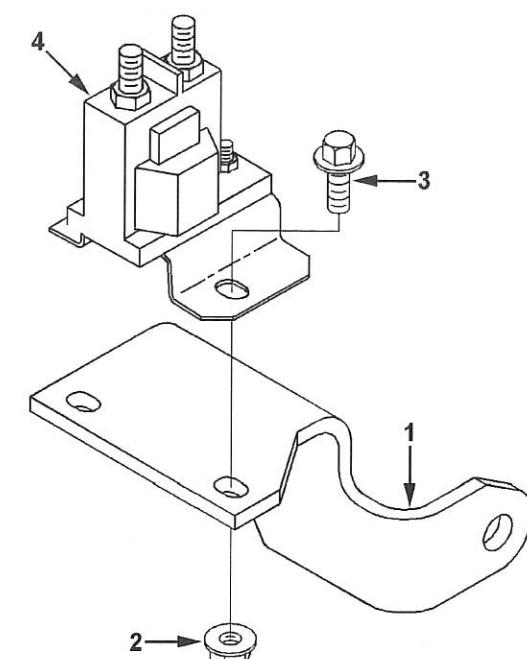
Ref No.	Part Number	Part Name	Req	Remarks
1	3910566	ALTERNATOR OPTION EE9035	1	Alternator Alternator Manufacturer/Model : CAV AC5RSM Voltage: 24 Amperage: 55 Unique Characteristics: Extended Terminal Post Includes Alternator Fan. Alternator has Built in Suppression.

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Group No. 15.08

Engine Instrument Panel

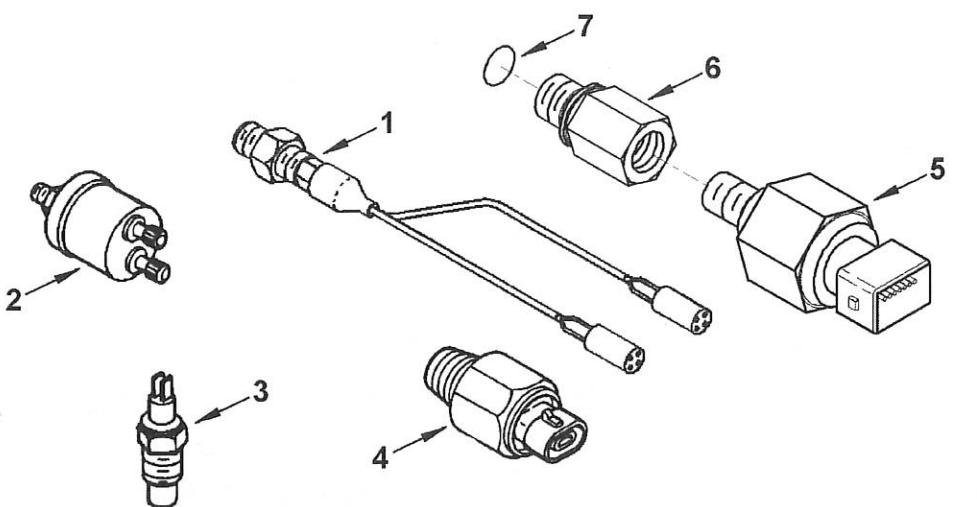
Option No. EG9076



eg950gu

Ref No.	Part Number	Part Name	Req	Remarks
1	3287425 3906216 3913638 3916302	ENGINE INSTRUMENT PANEL OPTION EG9076 Bracket, Magnetic Switch Nut, Hexagon Flange Screw, Hex Flange Head Cap Switch, Magnetic	1 2 2 1	Engine Instrument Panel 24 Volt Magnetic Switch Mounted on Engine. For Insulated (Floating) Ground Electrical Systems. M6 X 1.00 M6 X 1.00 X 16

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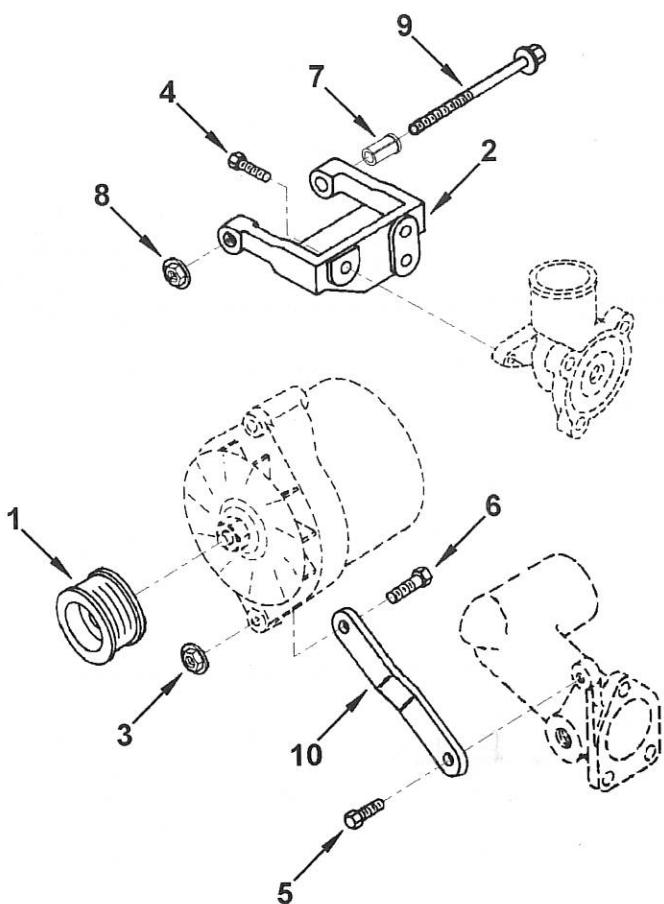
eg955gf

Ref No.	Part Number	Part Name	Req	Remarks
ENGINE CONTROLS OPTION EG9339				
1	3078155	Sensor, Speed	1	Engine Controls
2	3917123	Transducer	1	Transducers and Switches to Input to Engine
3	3913628	Transducer	1	Controls.
4	3408631	Switch, Temperature	1	Contains Oil Pressure Sender and Switch,
5	3408612	Switch, Pressure	1	Coolant Temperature Sender and Switch and
6	3932302	Connector, Female	2	Speed Sensor.
(3932301)	3678925	Connector, Female	1	Parts Kitted to Ship With Engine.
7	3678925	Seal, O Ring	1	M10 X 1.00

Group No. 13.02.3

Alternator Location

Option No. EH9180



eh910gd

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Group No. 13.02.3

Alternator Location

Option No. EH9180

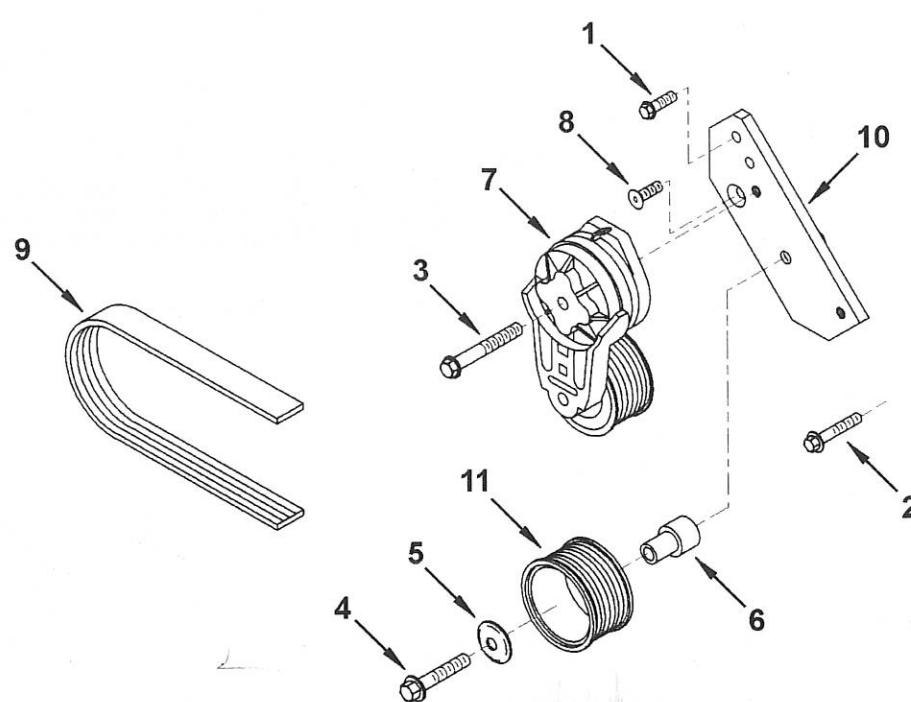
Ref No.	Part Number	Part Name	Req	Remarks
		ALTERNATOR LOCATION OPTION EH9180		Alternator Location Tensioner MTG Location: WI Connection Pulley Retainer Provided: No Alternator Pulley Provided: Yes Belt Supplier: Cummins Belt Tensioner Supplier: Cummins Alternator Drive Speed: 2.9 Alternator Mount Type: 3" Hinge Damper Pulley Effective Diameter (mm): 173.76 Alternator Driven by AUX Belt: No Required Tensioner Pulley Material: Steel Pad for Freon Compressor Provided: No Alternator Manufacturer/Model: Prestolite LNA 5524/7 Required Water Pump Pulley Type: Standard Stud for Wiring Harness Attachment: No ALT Tail Support Required: No REF. Compressor MTG Hardware Included: No Tall Tensioner Bracket: No Insulated Ground Alternator. Coated Alternator Support.
1	3281531	Pulley, Alternator	1	
2	3897160	Support, Alternator	1	
3	3900589	Nut, Hexagon Flange	1	
4	3900631	Screw, Hex Flange Head Cap	3	M8 X 1.25
5	3900630	Screw, Hex Flange Head Cap	1	M8 X 1.25 X 25
6	3900630	Screw, Hex Flange Head Cap	1	M8 X 1.25 X 20
7	3900632	Screw, Hex Flange Head Cap	1	M8 X 1.25 X 35
8	3902469	Spacer, Mounting	1	
9	3902662	Nut, Hexagon Flange	1	M10 X 1.50
10	3904987	Screw, Hex Flange Head Cap	1	M10 X 1.50 X 150
	3913081	Brace, Alternator	1	

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Group No. 13.02.2

Alternator Drive

Option No. EH97005



eh957gj

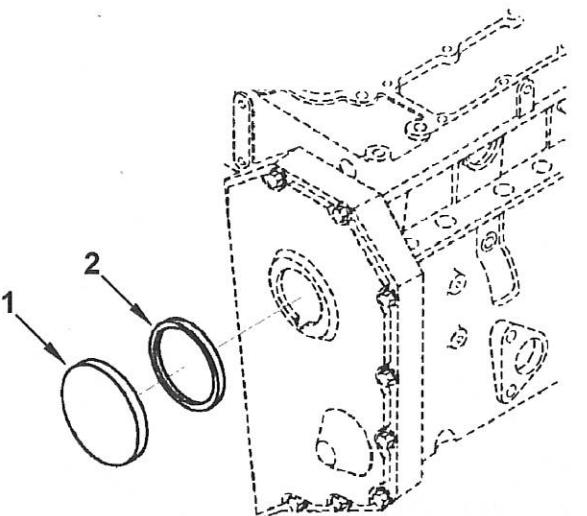
Group No. 13.02.2

Alternator Drive

Option No. EH97005

Ref No.	Part Number	Part Name	Req	Remarks
		ALTERNATOR DRIVE OPTION EH97005		Alternator Drive
1	3900631	Screw, Hex Flange Head Cap	1	Tensioner Position on Bracket: Low
2	3901445	Screw, Hex Flange Head Cap	1	Tensioner Pulley Type: Standard
3	3282081	Screw, Hex Flange Head Cap	1	Water Pump Pulley Diameter (mm): 88.00
4	3900635	Screw, Hex Flange Head Cap	1	Tensioner Mounting Location: WI Connection
5	3935013	Shield, Dust	1	Belt Supplier: Cummins
6	3935229	Shaft, Idler	1	Belt Tensioner Supplier: Cummins
7	3937553	Tensioner, Belt	1	Damper Pulley Effective Diameter (mm): 173.76
8	3925186	Screw, Flat Head Cap	1	Tall Tensioner Bracket: No
9	3288856	Belt, V Ribbed	1	Alternator Manufacturer/Model: Prestolite LNA 5524/7
10	3926056	Bracket, Belt Tensioner	1	Idler Pulley Mounted off Tensioner Bracket.
11	3935015	Pulley, Idler	1	DEP may Substitute P/N 3282081 Hex Flange Head Capscrew in Place of P/N 3904446.
				M8 X 1.25 X 25
				M8 X 1.25 X 45
				M10 X 1.50 X 75
				M10 X 1.50 X 60

NOTES



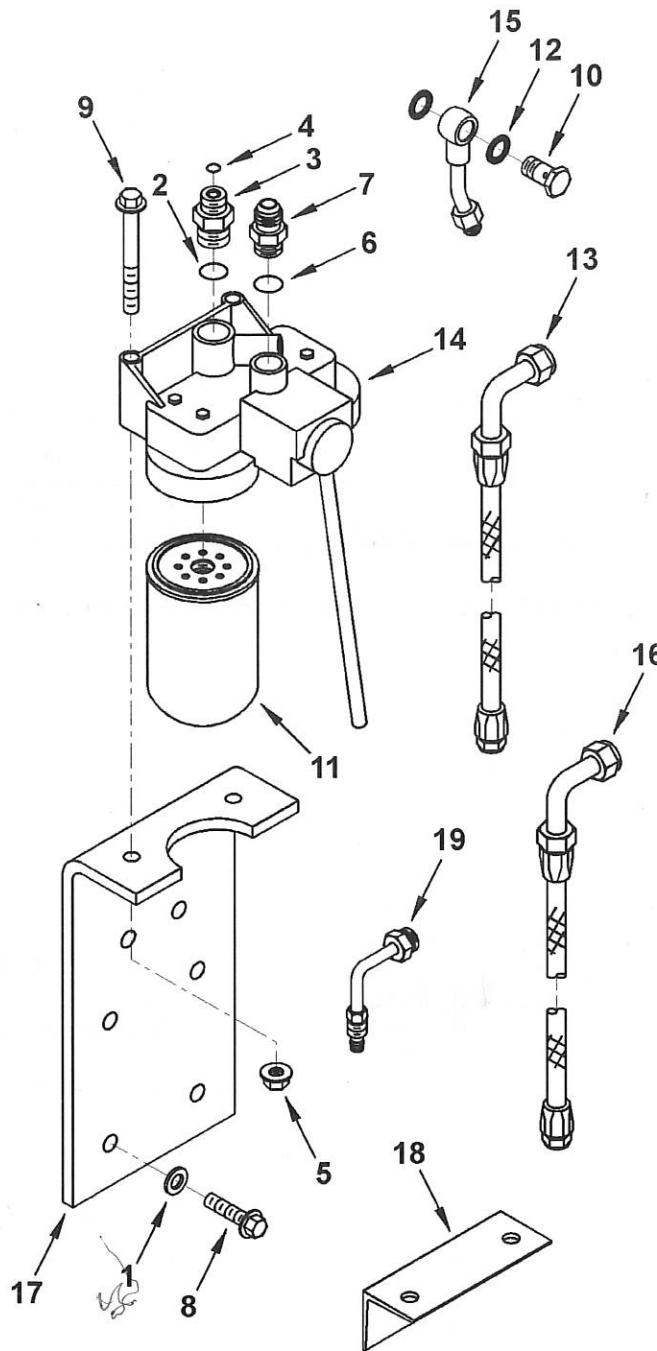
ei951gu

Ref No.	Part Number	Part Name	Req	Remarks
		MECHANICAL TACHOMETER DRIVE OPTION EI9701		Mechanical Tachometer Drive Cover Mechanical Tachometer Drive Provision: No Oil Fill Location: Fuel Pump Side Exhaust Side Valve Cover None BZL may use P/N 3968355 in Place of P/N 3903463.
1	3903463	Cover, Access Hole	1	
2	3903475	Seal, Rectangular Ring	1	

Group No. 06.04

Duplex Fuel Filter

Option No. FF9302



ff960gf

Group No. 06.04

Duplex Fuel Filter

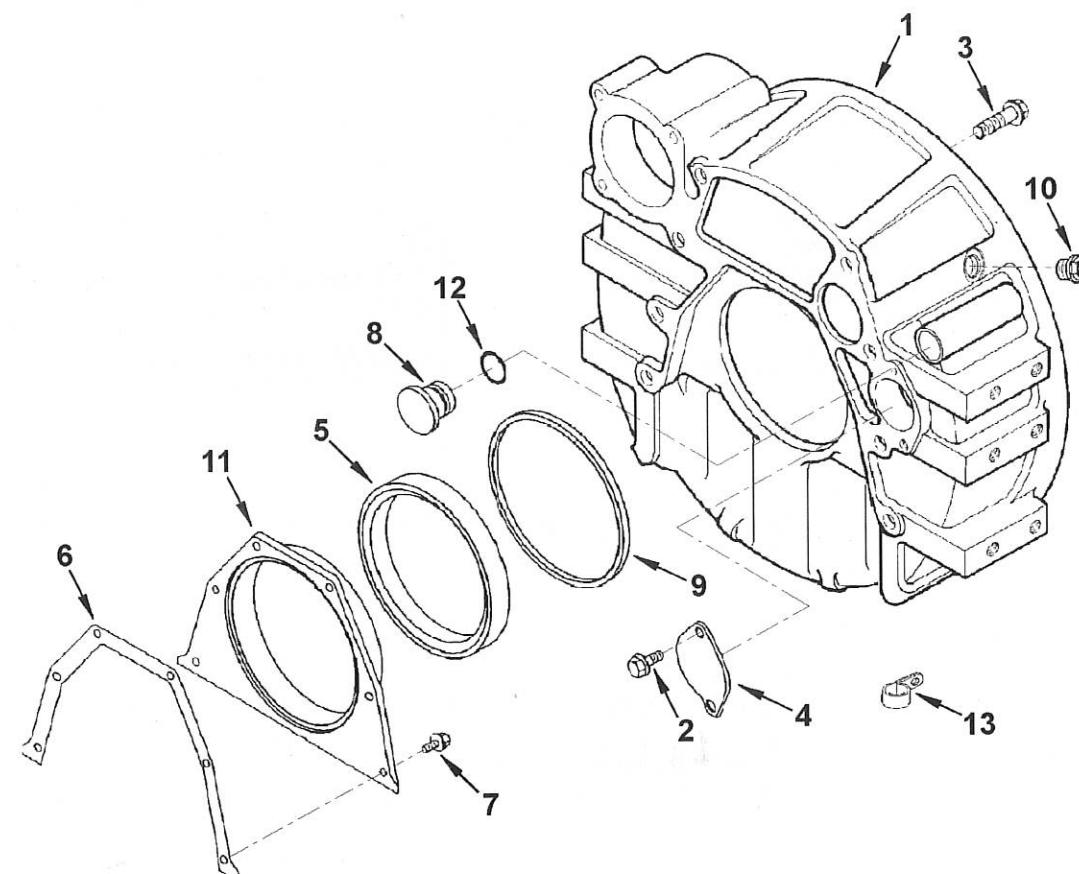
Option No. FF9302

Ref No.	Part Number	Part Name	Req	Remarks
DUPLEX FUEL FILTER OPTION FF9302				
1	3009330 3081953	Washer, Plain Union, Male	8	Duplex Fuel Filter
2	3040817	Seal, O Ring	1	Element Type: Dual
3	(3085826)	Union, Male	1	Water Separator Provision: Yes
4	3922794	Seal, O Ring	1	Element Style: Spin on
4	3922794	Seal, O Ring	1	Filter Location: Remote Mounted With Bracket
5	3093828 3883679	Nut, Hexagon Flange Union, Male	4	Heater Element Included: No
6	3046201	Seal, O Ring	1	Compatible With Lift Pump: Yes
7	(3100553)	Union, Male	1	Filtration (microns): 10 m at 79%, 20 m at 96%, 25 m Absolute
8	3903464	Screw, Hex Flange Head Cap	1	Supply Method: Kitted
9	3093936	Screw, Hex Flange Head Cap	2	Pump: Standadyne DB4
10	3903035	Screw, Banjo Connector	2	Filter Inlet Size: 6.6 mm
11	(3931063)	Filter, Fuel	1	Filter Model: FF5052 Fleetguard Filters
12	3963983	Washer, Sealing	2	Operation: Duplex for Uninterrupted Engine
13	4003263	Hose, Flexible	1	Operation During Service.
14	4019645	Head, Fuel Filter	1	M10
15	4058093	Tube, Fuel Supply	1	
16	4058095	Hose, Flexible	1	
17	4058178	Bracket, Filter	1	
18	4058179	Bracket, Filter	1	
19	4070253	Tube, Fuel Supply	1	

Group No. 16.01

Flywheel Housing

Option No. FH9002



fh902gd

Group No. 16.01

Flywheel Housing

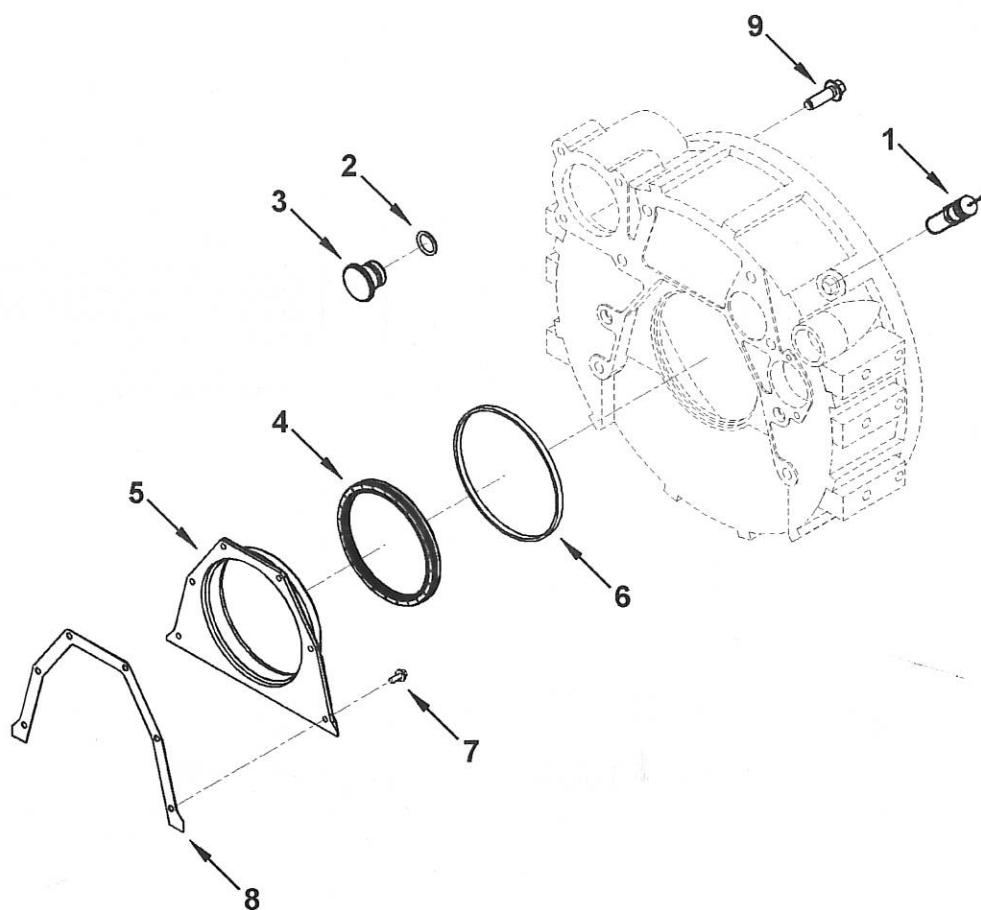
Option No. FH9002

Ref No.	Part Number	Part Name	Req	Remarks
		FLYWHEEL HOUSING OPTION FH9002		Flywheel Housing Wet/Dry Clutch: Dry Housing Material: Aluminum SAE Size or Type: SAE 3 Starter Mount SAE: SAE #1 - 3 Bolt 90 Deg Starter Mount Thread Type: Metric St Quadrant: 1st Starter Pad Offset from RFOB (mm): 0.00 Starter Mounting Hole Diameter (mm): 88.90 Mount Type: Pad Engine Mounting Hole Dimension: M12 X 1.75 - 6H Number of Mount Holes: 12 Engine Mount Top Hole +/- CR CL (mm): 82.5 Tach Sensor Location: 4th Tach Size: 3/4 - 16 UNF Tach Count: 1 Transmission Mount Holes Count/Thread: 12 - M10 X 1.5 X 25 Starter Pad +/- CR CL Y Axis (mm): 147.31 Starter Pad +/- CR CL X Axis (mm): 158.53 Starter Bore Angle (Deg): 47 Flywheel Housing Attachment Provision: Cylinder Block Starter Center Distance: 216.407 Doweled for Oil Pan: No Not to be Used With Low Mount Rear out Turbo Locations. BZL to use P/N 3357844 Instead of P/N 3946090.
1	3937426	Housing, Flywheel	1	
2	3912072	Screw, Self Tapping Metal	2	M8 X 1.25 X 15
3	3920447	Screw, Hex Flange Head Cap	8	M12 X 1.75 X 40
4	3925234	Plate, Cover	1	
5	(3970548)	Seal, Oil	1	Serviced as 4089342
6	3938159	Gasket, Rear Cover	1	
7	3991306	Screw, Hex Flange Head Cap	6	
8	3910248	Plug, O Ring	1	
9	3912473	Seal, Rectangular Ring	1	
10	3904181	Plug, Threaded	1	3/4 - 16 UNF
11	3936895	Cover, Rear	1	
12	3910260	Seal, O Ring	1	
13	3928989	Clip	1	
		SERVICE PARTS		
5	4089342 (3970548) 3909409 (4089425)	Seal, Oil Seal, Oil Tool, Seal Installation Tool, Seal Installation	A/R 1 1 1	Serviced as 4089342

Group No. 16.01

Flywheel Housing

Option No. FH9565



fh956gi

Group No. 16.01

Flywheel Housing

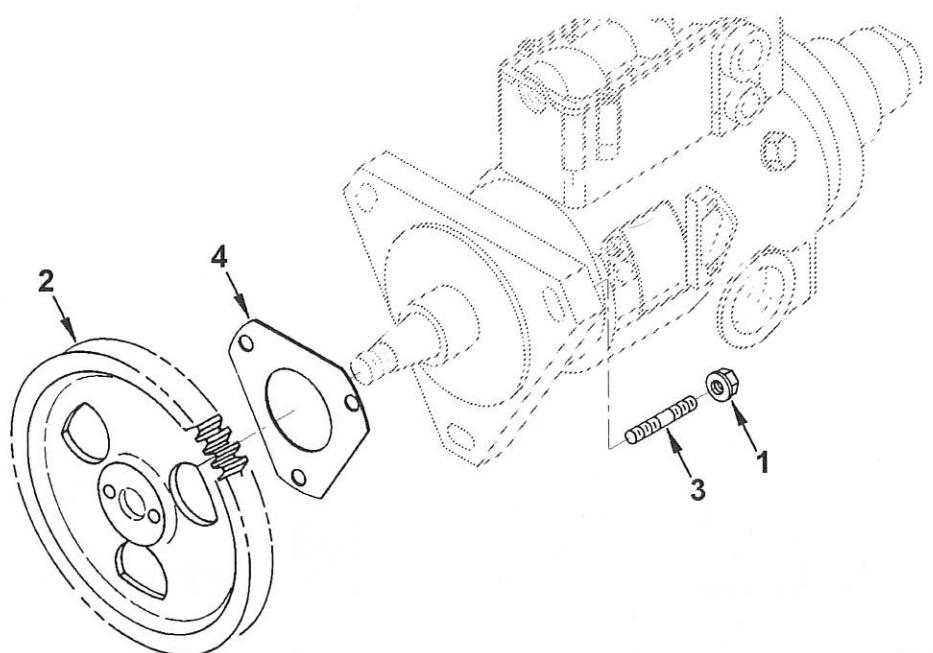
Option No. FH9565

Ref No.	Part Number	Part Name	Req	Remarks
		FLYWHEEL HOUSING OPTION FH9565		Flywheel Housing Wet/Dry Clutch: Dry SAE Size or Type: Oil Seal Starter Mount Thread Type: Metric Flywheel Housing Attachment Provision: Cylinder Block Doweled for Oil Pan: No Option is for Customer Installed Flywheel Housing. For use at DEP Only.
1	3917846	Pickup, Magnetic	1	
2	3910260	Seal, O Ring	1	
3	3910248	Plug, O Ring	1	
4	(3970548)	Seal, Oil	1	
5	3936895	Cover, Rear	1	
6	3912473	Seal, Rectangular Ring	1	
7	3991306	Screw, Hex Flange Head Cap	6	
8	3938159	Gasket, Rear Cover	1	
9	3920447	Screw, Hex Flange Head Cap	8	M12 X 1.75 X 40
		SERVICE PARTS		
4	4089342 (3970548)	Seal, Oil	A/R	
	3909409 (4089425)	Seal, Oil	1	
		Tool, Seal Installation	1	
		Tool, Seal Installation	1	Serviced as 4089342

Group No. 09.01

Fuel Pump Coupling

Option No. FP9211



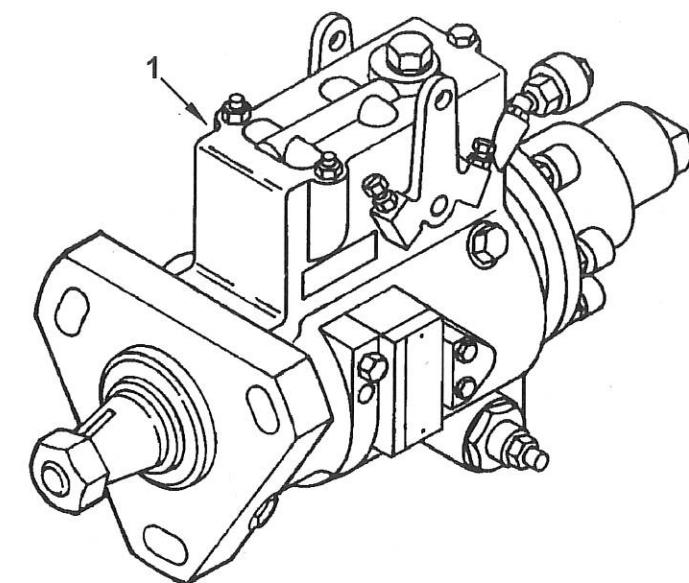
fp900go

Ref No.	Part Number	Part Name	Req	Remarks
		FUEL PUMP COUPLING OPTION FP9211		Fuel Pump Coupling Air Compressor Support @ 185 mm From FFOB: No Fuel Pump Supports Provided: No Boost Control Provision: No Advertised Speed Restriction (< RPM): None Fuel Pump Manufacturer/Model: CAV DPA Stanadyne DB4 Aspiration: Naturally Aspirated Turbocharged NOx Level: 6.0 Fuel Pump Gear P/N 3920594 may be Substituted for P/N 3920593. DEP may Substitute P/N 3282370 in Place of 3902501. M8 X 1.25
1	3900589	Nut, Hexagon Flange	3	
2	3936021	Gear, Fuel Pump	1	
3	3902501	Stud	3	
4	3939355	Gasket, Fuel Pump	1	

Group No. 05.22

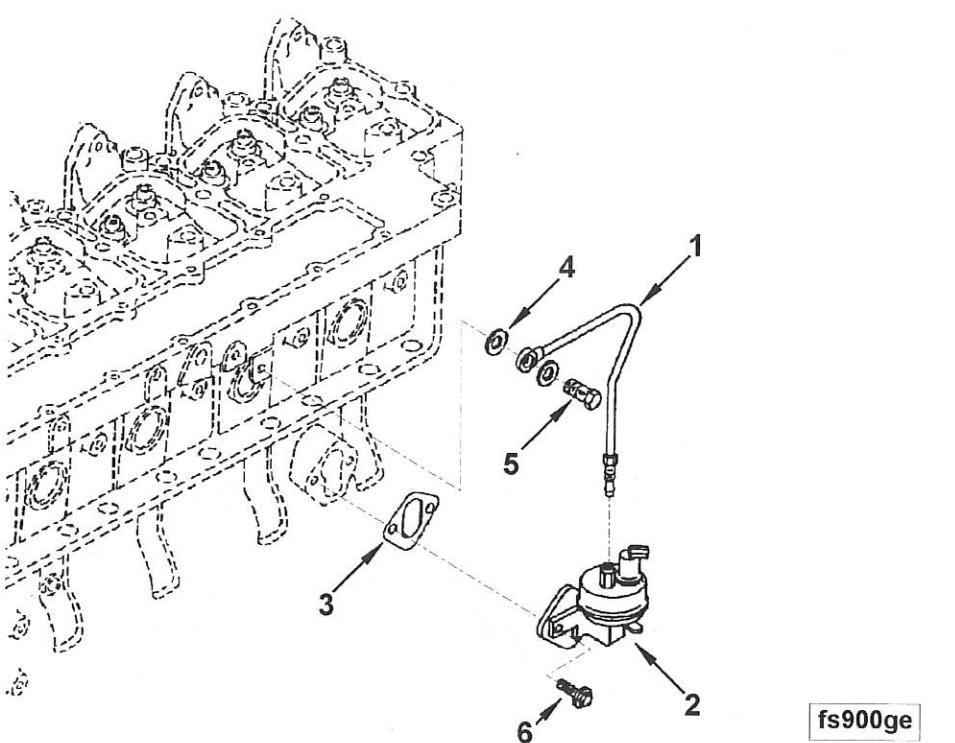
Base Fuel Pump

Option No. FP98408



fp950gc

Ref No.	Part Number	Part Name	Req	Remarks
		BASE FUEL PUMP OPTION FP98408		Base Fuel Pump Advertised HP: 122 @ 1500 Prime (10% Overload Capability) Governed HP at RPM: 143 @ 1500 Fuel Pump Type: Rotary Pump Manufacturer/Model: Stanadyne DB4 Solenoid Mounting Location: Pump Solenoid Activation: ATR Voltage: 24 High Pressure Tube ID (mm): 1.8 Shutdown Device: Electrical Compatible Fuel Rating - FR: 90437 CPL: 1523 Certified by: Non Certified
1	3918973	Pump, Fuel Injection	1	

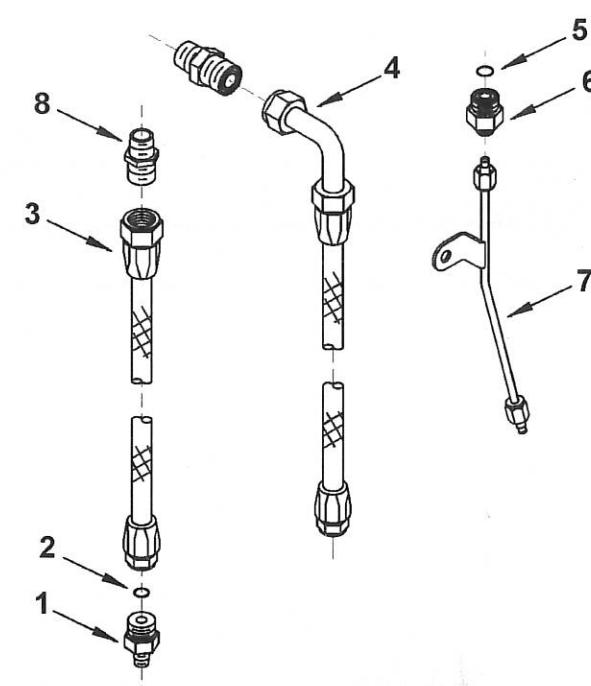


Ref No.	Part Number	Part Name	Req	Remarks
		LIFT PUMP OPTION FS9004		Lift Pump Pump Style: Lever Pump Manufacturer: Superpar Fuel Inlet Size: 1/4 - 18 NPTF Filter Location: #4 Cylinder Pre-Filter Provided: No Solenoid Bracket Provision: No Fuel Cooler Plumbing Provision: N/A Restricted Fuel Pump: Bosch VP14, CAV DPA, CAV DPS, Stanadyne DB4 TEL may use P/N 4080725 Fuel Supply Tube in Place of P/N 3907582. P/N 3918191 Sealing Washer in Place of P/N 3935171.
1	3907582	Tube, Fuel Supply	1	
2	3970880	Pump, Fuel Transfer	1	
3	3939258	Gasket, Cover Plate	1	
4	3963983	Washer, Sealing	2	
5	3903035	Screw, Banjo Connector	1	
6	3900631	Screw, Hex Flange Head Cap	2	M8 X 1.25 X 25

Group No. 05.19

Fuel Accessory

Option No. FS9281



fs958gb

Group No. 05.19

Fuel Accessory

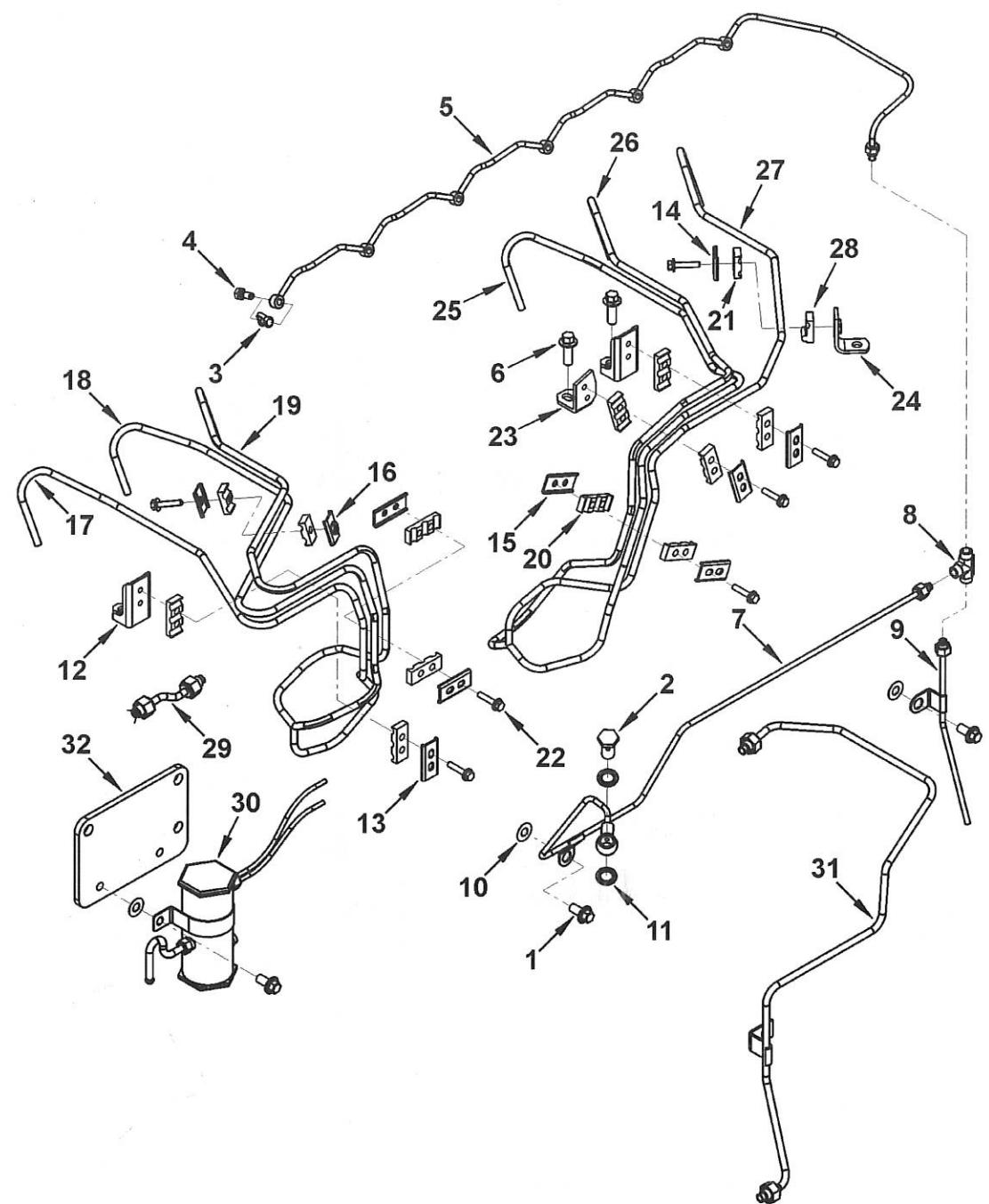
Option No. FS9281

Ref No.	Part Number	Part Name	Req	Remarks
		FUEL ACCESSORY OPTION FS9281		Fuel Accessory Fuel System Accessory Lines Component Provided: Fuel Supply and Drain Lines Customer: Marine Aspiration: Naturally Aspirated Turbocharged Jacket Water Aftercooled Fuel Tank Supply and Return Lines for use With Rotary Fuel Pumps on 6B and 4B Marine Engines.
1	3095293 3627697	Union, Male	1	
2	3922794	Union, Male	1	
3	3285076	Seal, O Ring	1	
4	3285078 3285271	Hose, Flexible	1	
5	3282133 (3285279)	Hose, Flexible	1	
6	3285280	Adapter, Plain	1	
7	3866040	Seal, O Ring	1	
8		Adapter, Plain	1	
		Tube, Fuel Drain	1	
		Connector, Male	2	

Group No. 06.03

Fuel Plumbing

Option No. FT97133



ft957gg

Group No. 06.03

Fuel Plumbing

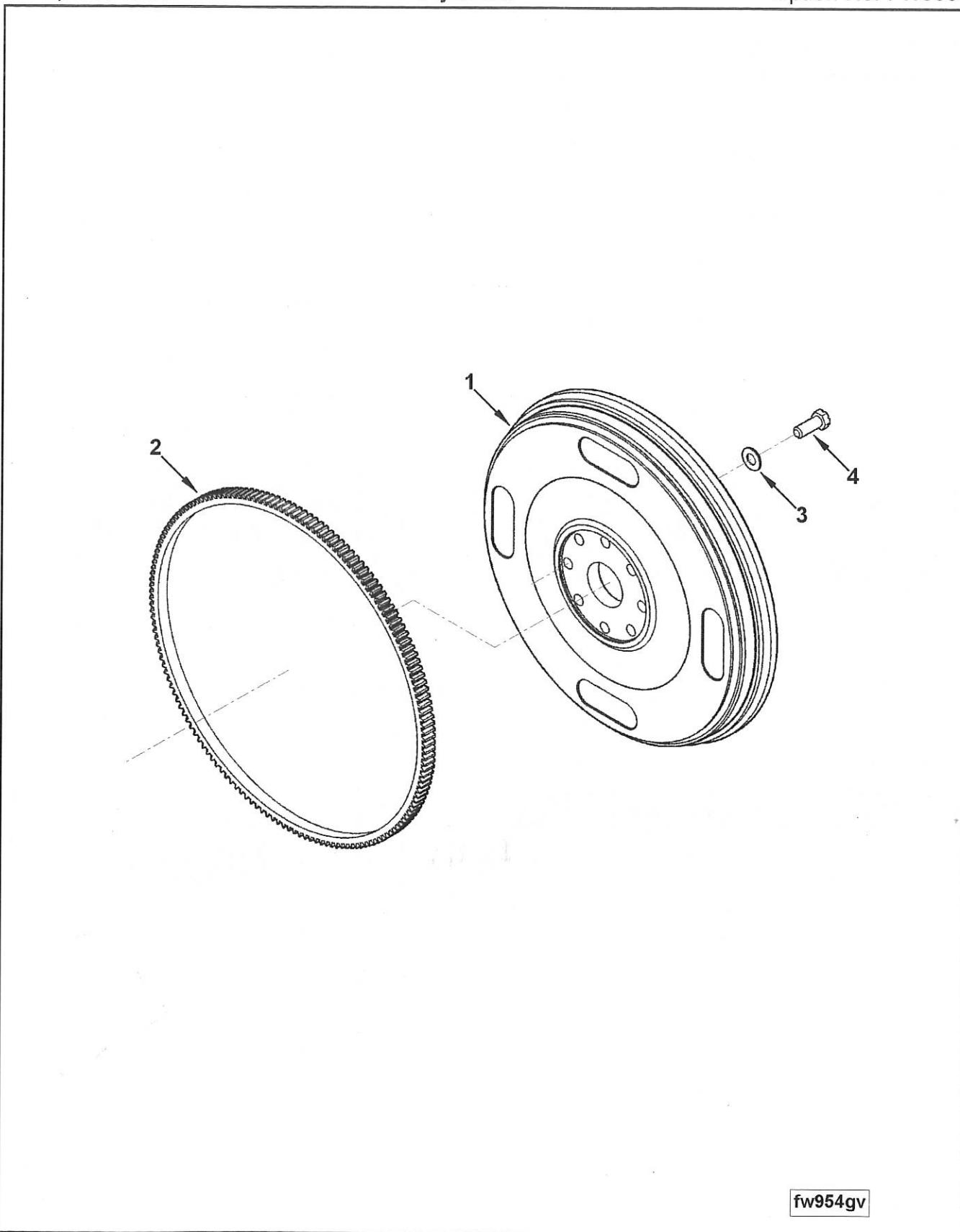
Option No. FT97133

Ref No.	Part Number	Part Name	Req	Remarks
FUEL PLUMBING OPTION FT97133				
1	3900629	Screw, Hex Flange Head Cap	4	Fuel Plumbing
2	3903035	Screw, Banjo Connector	1	Dual Wall High Pressure Tube ID.: 1.8
3	3903380	Seal, Banjo Connector	6	Boost Control: Without
4	3905307	Screw, Banjo Connector	6	Connection Type: Beadless
5	3909696	Manifold, Fuel	1	Restricted Aspiration:
6	3918109	Screw, Hex Flange Head Cap	1	Naturally Aspirated
7	3970368	Tube, Fuel Drain	2	Turbocharged
	3922064	Tube, Fuel Drain	1	Fuel Pump Manufacturer/Model:
8	3905388	Tee, Male Union	1	Stanadyne DB4
9	3905692	Tube, Fuel Drain	1	Fuel Lines Meet Solas Requirements.
10	3928759	Seal, Grommet	4	M8 X 1.25 X 16
11	3963983	Washer, Sealing	3	M12 X 1.50 X 24
12	3282942	Brace, Tube	2	6.2 mm
13	3904519	Brace, Tube	5	M6 X 1.00 X 14.3
14	3904711	Brace, Tube	2	M8 X 1.25 X 25
15	3917716	Brace, Tube	2	M12
16	3917717	Brace, Tube	1	
17	4069791	Tube, Injector Fuel Supply	1	
18	4069792	Tube, Injector Fuel Supply	1	
19	4069793	Tube, Injector Fuel Supply	1	
20	4069890	Isolator, Vibration	10	
21	4069891	Isolator, Vibration	3	
22	4070054	Screw, Captive Washer Cap	12	
23	3917778	Brace, Tube	1	
24	3940840	Brace, Tube	1	
25	4069788	Tube, Injector Fuel Supply	1	
26	4069789	Tube, Injector Fuel Supply	1	
27	4069790	Tube, Injector Fuel Supply	1	
28	4070055	Isolator, Vibration	1	
29	4070051	Tube, Fuel Drain	4	
30	4070049	Tank, Fuel	1	
31	4070052	Tube, Fuel Drain	1	
32	4070053	Bracket, Fuel Tank	1	

Group No. 16.02

Flywheel

Option No. FW9006



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Group No. 16.02

Flywheel

Option No. FW9

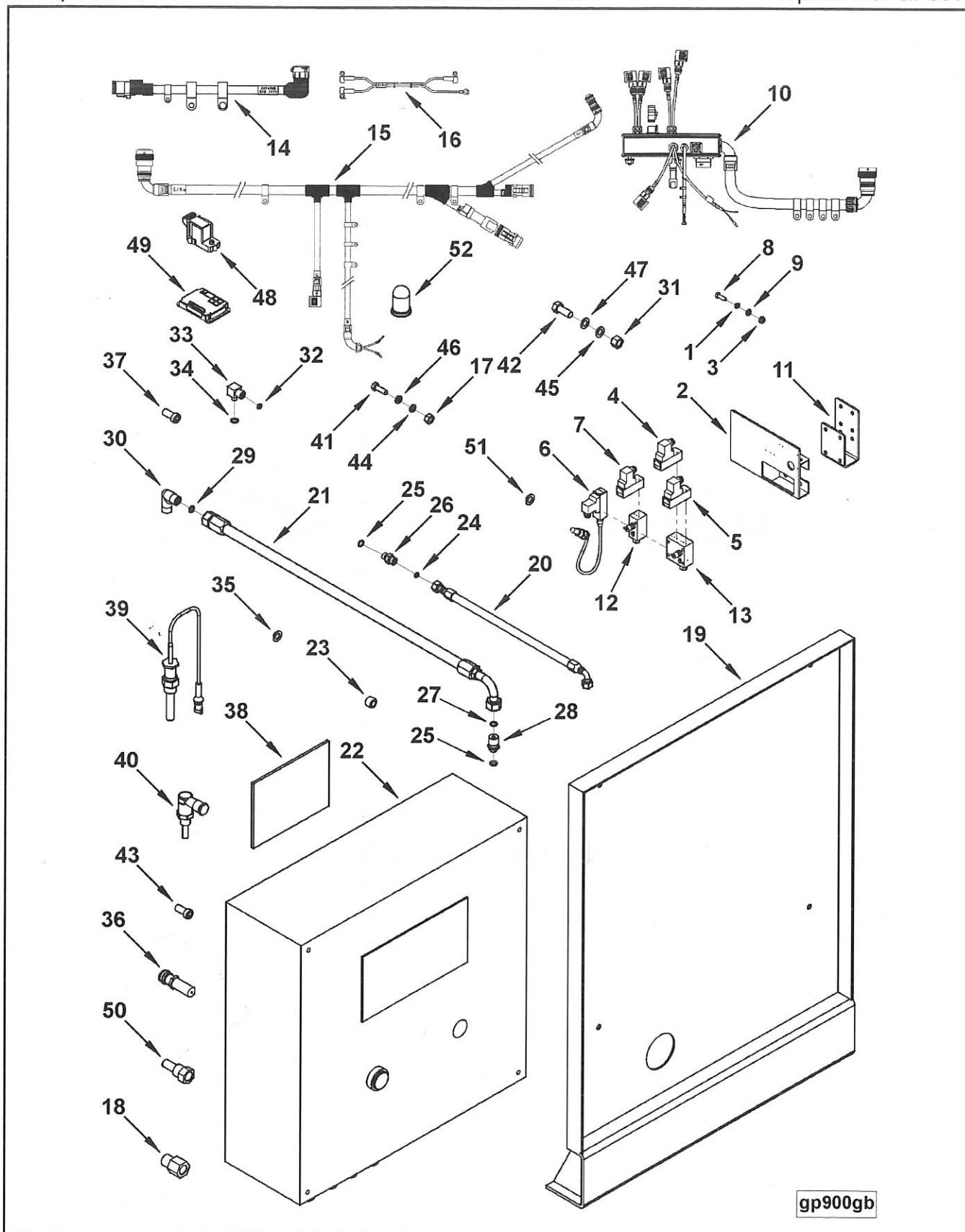
Ref No.	Part Number	Part Name	Req	Remarks
		FLYWHEEL OPTION FW9006		Flywheel Type: Flywheel Housing SAE Size Or Type: SAE 3 Intended Drive Hardware: 11 1/2" OC Clutch Material Specification: 41,044 Ring Gear Pitch: 10/12 Ring Gear Pitch Diameter: 403.86 mm (15) Ring Gear Tooth Count: 159 Crank Flange To Ring Gear Leading Edge (mm): 17.01 Maximum RPM: 3970 Pilot Bearing Bore Dia. (mm): 71.97 Clutch Mounting Bolt Circle (mm): 333.38 Clutch Mounting Hole Count: 8 Clutch Mounting Hole Nomenclature: 3/8 - 16 UNC - 2B Moment of Inertia (Kg/m ²): 0.78 Required Starter Center Distance (mm): 216.40

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Group No. 21.02

Generator Control Panel

Option No. GP9017



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Group No. 21.02

Generator Control Panel

Option No. GP9017

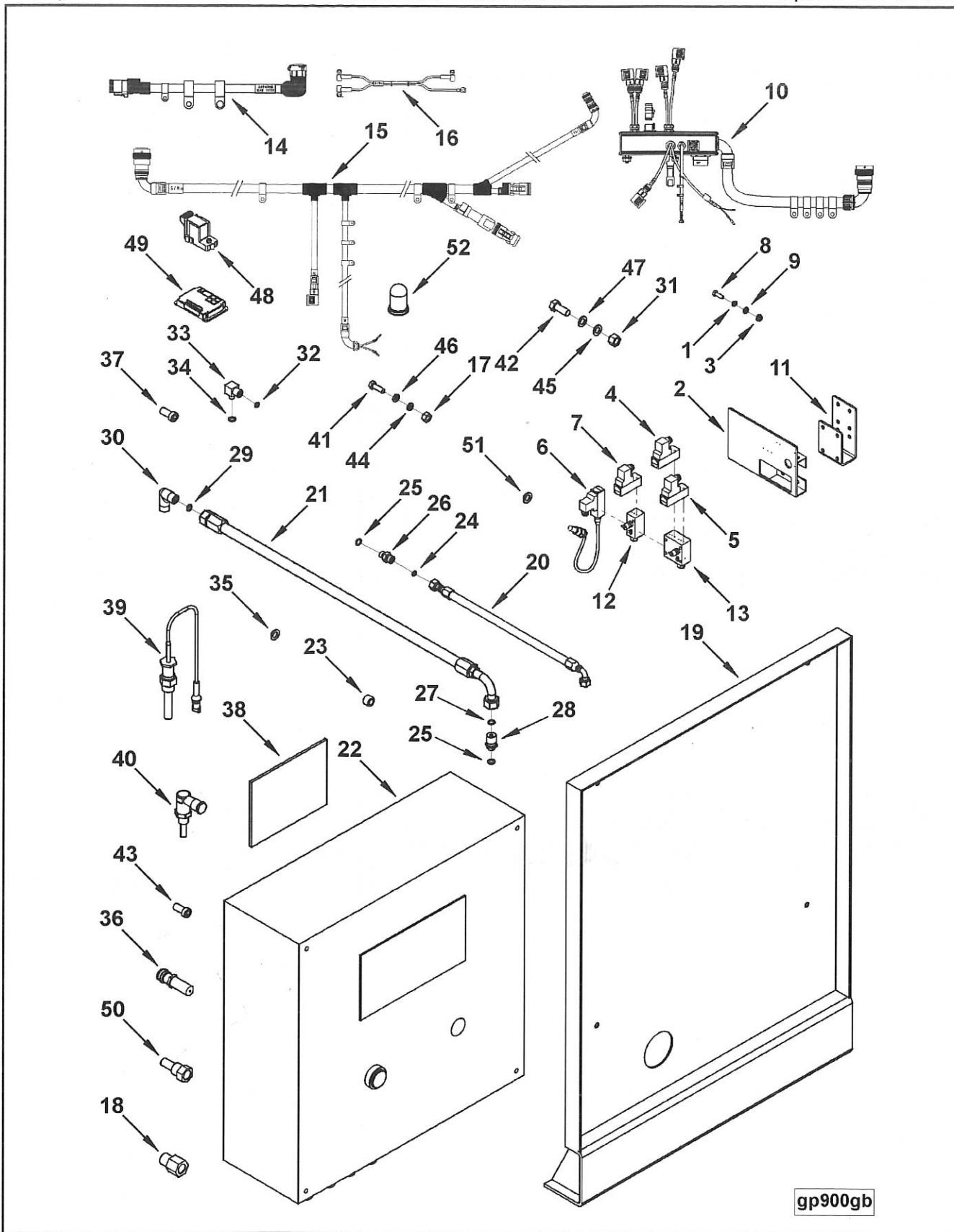
Ref No.	Part Number	Part Name	Req	Remarks
GENERATOR CONTROL PANEL OPTION GP9017				
1	(3976559)	Harness, Wiring Assy	1	Generator Control Panel
2	3974664	Washer, Plain	4	
3	3972952	Bracket, Sensor	1	
4	3050407	Nut, Regular Hexagon	4	Controls for Certified Generator Set Includes
5	3974640	Switch, Pressure	1	Local Control Panel.
6	3974641	Switch, Pressure	1	Two Remote Monitor Panels.
7	3974642	Switch, Temperature	1	
8	3974644	Sensor, Oil Pressure	1	
9	3974652	Screw, Hexagon Head Cap	4	
10	3974670	Washer, Lock	4	
11	3974707	Harness, Wiring	1	
12	3974713	Bracket, Sensor	1	
13	3976551	Block, Terminal	1	
	(3974706)	Block, Terminal	1	
14	3974708	Harness, Wiring	1	
15	3974709	Harness, Wiring	1	
16	3974712	Harness, Wiring	1	
17	3976555	Nut, Regular Hexagon	4	
18	3976553	Adapter, Sensor	1	
19	3976556	Bracket, Control Box	1	
20	3976568	Hose, Flexible	1	
21	4930127	Hose, Flexible	1	
22	3976570	Panel, Control	1	
23	3978329	Spacer, Circuit Board	4	
	4000730	Union, Male	1	
24	3089392	Seal, O Ring	1	
25	3678603	Seal, O Ring	1	
26	(4000728)	Union, Male	1	
	4016669	Union, Male	1	
25	3678603	Seal, O Ring	1	
27	3922794	Seal, O Ring	1	
28	(4016670)	Union, Male	1	
	4009357	Elbow, Male Adapter	1	
29	3922794	Seal, O Ring	1	
30	(4009358)	Elbow, Male Adapter	1	
31	3050407	Nut, Regular Hexagon	1	M12 X 1.75
	3089581	Elbow, Male Union	3	
32	3089392	Seal, O Ring	1	
33	3100385	Union, Male	4	
34	3678925	Seal, O Ring	1	
35	3628001	Washer, Plain	4	M10 X 1.00
36	3917846	Pickup, Magnetic	2	
37	3957849	Screw, Socket Head Cap	1	
38	3972970	Panel, Display	2	
39	3974646	Sensor, Temperature	1	
40	3974647	Sensor, Temperature	2	
41	3974650	Screw, Hexagon Head Cap	4	
42	3974653	Screw, Hexagon Head Cap	3	
43	3974661	Screw, Socket Head Cap	3	
44	3974663	Washer, Plain	4	
45	3974664	Washer, Plain	6	
46	3974668	Washer, Lock	4	
47	3974670	Washer, Lock	6	

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Group No. 21.02

Generator Control Panel

Option No. GP9017



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Group No. 21.02

Generator Control Panel

Option No. GP9017

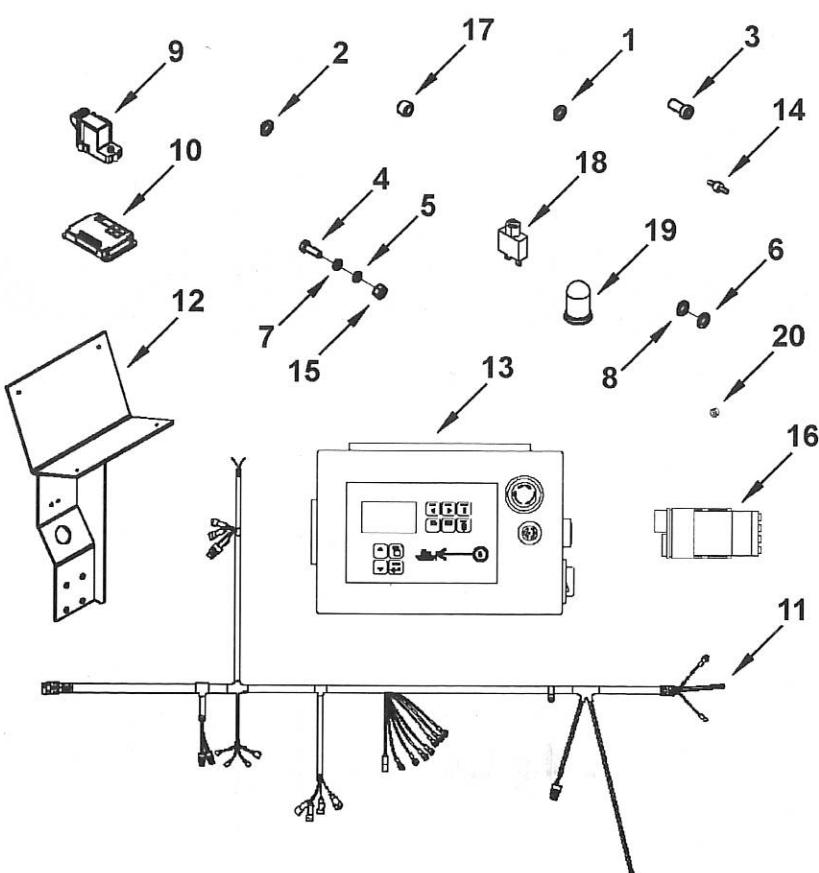
Ref No.	Part Number	Part Name	Req	Remarks
48	3974703	Actuator, Elc Governor	1	
49	3974704	Control, Governor	1	
50	3974705	Adapter, Sensor	1	
51	S 692	Washer, Lock	4	#8
52	3978328	Insulator, Electrical	4	

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Group No. 21.02

Generator Control Panel

Option No. GP9022



gp900gc

Group No. 21.02

Generator Control Panel

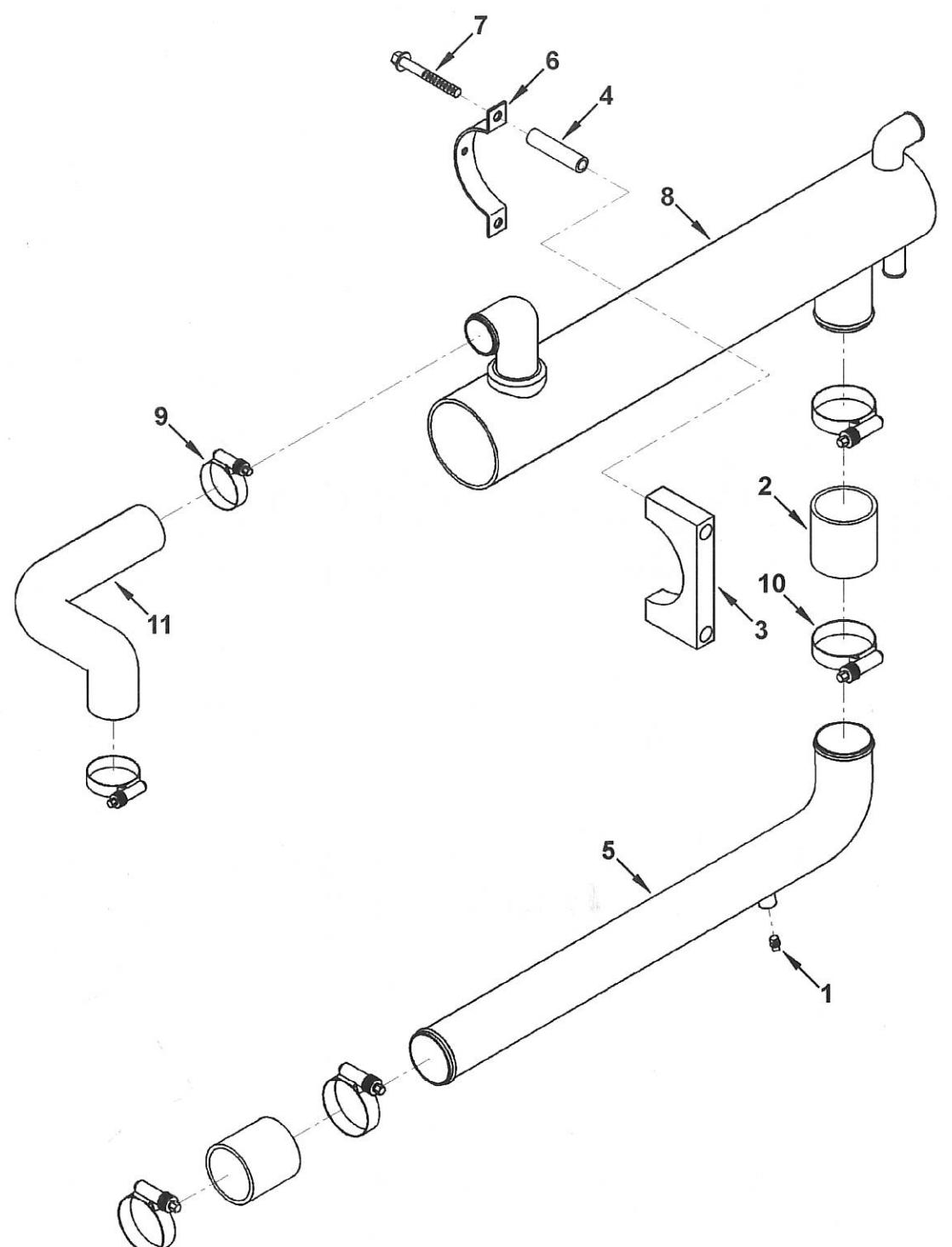
Option No. GP9022

Ref No.	Part Number	Part Name	Req	Remarks
		GENERATOR CONTROL PANEL OPTION GP9022		Generator Control Panel
1	S 692	Washer, Lock	4	Engine Mounted Unclassed Control and Monitoring Panel Mounted Port Side of Engine with Remote Running Panel.
2	3628001	Washer, Plain	1	24 V Isolated Ground.
3	3957849	Screw, Socket Head Cap	4	Includes Engine Harness and Sensors.
4	3974652	Screw, Hexagon Head Cap	4	Panel Includes Barber Coleman Electronic Governor Controls.
5	3974663	Washer, Plain	8	LCD Display for Key Engine Functions and Hourmeter.
6	3974664	Washer, Plain	4	Audible and Visual Alarm for low oil Pressure, High Coolant Temp, low Battery Volts and Battery Charging Failure.
7	3974668	Washer, Lock	8	Includes Single Common Remote Alarm Contacts.
8	3974670	Washer, Lock	4	Shutdown for low oil Pressure, High Coolant.
9	3974703	Actuator, Elc Governor Control, Governor	1	#8
10	3974704			
11	3974730	Harness, Wiring	1	
12	3974731	Bracket, Control Box	1	
13	3974732	Panel, Control	1	
14	3974733	Isolator, Vibration	4	
15	3976555	Nut, Regular Hexagon	8	
16	3976575	Panel, Station Control	1	
17	3978329	Spacer, Circuit Board	4	
18	3976573	Breaker, Circuit	2	
19	3976574	Cover, Protective	2	
20	3978328	Insulator, Electrical	4	

Group No. 08.10

Heat Exchanger

Option No. HX9099



hx953gh

Group No. 08.10

Heat Exchanger

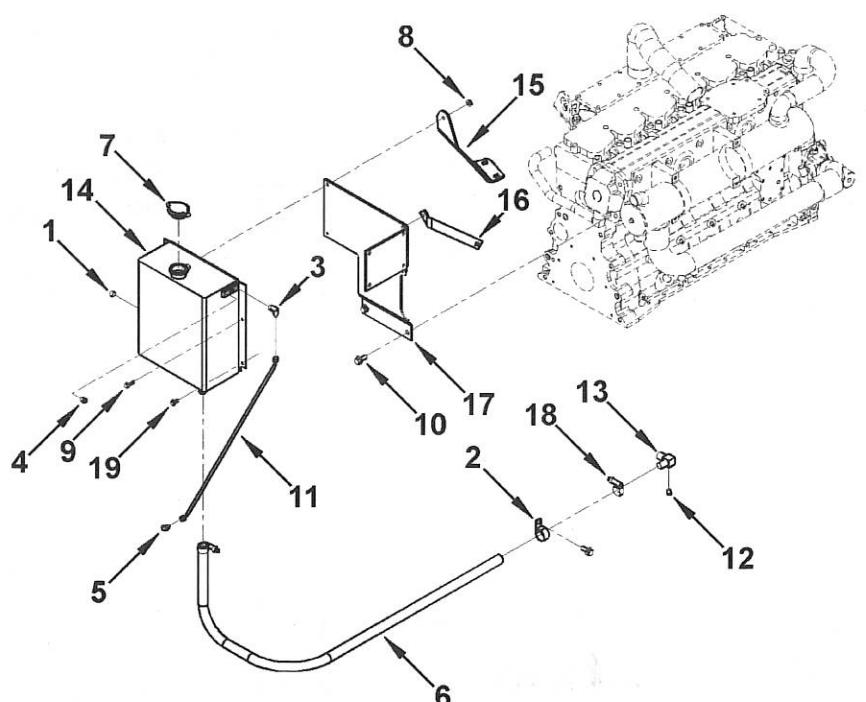
Option No. HX9099

Ref No.	Part Number	Part Name	Req	Remarks
		HEAT EXCHANGER OPTION HX9099		Heat Exchanger
1	S 949 B	Plug, Pipe	1	Turbocharger Location: Mid
2	63549	Hose, Plain	2	Application: Marine
	3281793	Isolator, Vibration	2	Exchangers Coolant Source: Sea Water
3	(3281791)	Isolator, Vibration	1	Upgrade: No
4	(3281792)	Spacer, Mounting	1	Parts Provided in a Kit: No
5	3349048	Tube, Water Transfer	1	Exhaust Manifold Location: Top
6	3905057	Clamp, Retaining	2	Plumbed To Water Inlet: Yes
7	3908226	Screw, Hex Flange Head Cap	2	Coolant Package Type: Water-Water
8	3910583	Exchanger, Heat	4	Max Water Inlet Temp Degrees F: 93
9	3922846	Clamp, Hose	1	DEP may use P/N 3064947 in Place of P/N
10	3922849	Clamp, Hose	2	S-949-B Plug.
11	4020094	Hose, Molded	4	1/8 NPT
			1	M10 X 1.50 X 95

Group No. 08.12

Keel Cooler Plumbing

Option No. KC9009



kc950gl

Group No. 08.12

Keel Cooler Plumbing

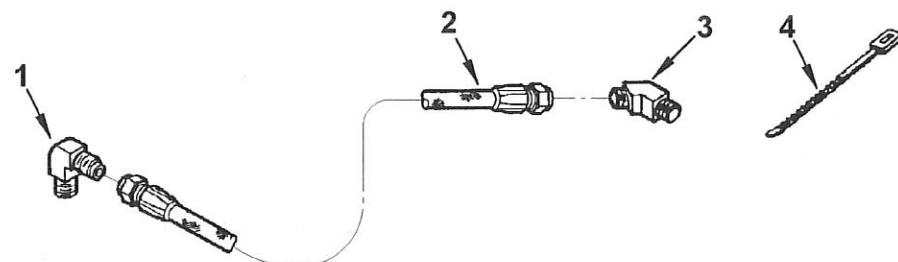
Option No. KC9009

Ref No.	Part Number	Part Name	Req	Remarks
KEEL COOLER PLUMBING OPTION KC9009				
1	S 910 B	Plug, Pipe	1	Keel Cooler Plumbing
2	67950	Clip	1	Engine Aspiration: T/A
3	112105	Elbow, Male Adapter	1	Kit: No
4	3064947	Plug, Pipe	2	Plumbed To Water Inlet: Yes
5	3282315	Elbow, Male Adapter	1	Exhaust Outlet Location: Top
6	3393429	Hose, Plain	1	DEP may Substitute P/N 3281628 for P/N
7	3393978	Cap, Filler	1	3907022 Filler Cap.
8	3900589	Nut, Hexagon Flange	2	DEP may use P/N 3282315 in Place of P/N
9	3900631	Screw, Hex Flange Head Cap	2	S-1047-A.
10	3901249	Screw, Hex Flange Head Cap	3	1/4 NPT
11	3906747 (3908225)	Hose, Flexible	1	M8 X 1.25
12	3906619	Coupling, Hose	1	M8 X 1.25 X 25
13	3908221	Plug, Pipe	1	M12 X 1.75 X 25
14	3917968	Coupling, Elbow Hose	1	1/8 NPT
15	3917972	Tank, Expansion	1	
16	3917973	Brace, Expansion Tank	1	
17	3920401	Brace, Expansion Tank	1	
18	3922842	Bracket, Expansion Tank	1	
19	3925883	Clamp, Hose	2	
		Screw, Hex Flange Head Cap	3	M8 X 1.25 X 16

Group No. 08.12

Keel Cooler Plumbing

Option No. KC9704



kc930ga

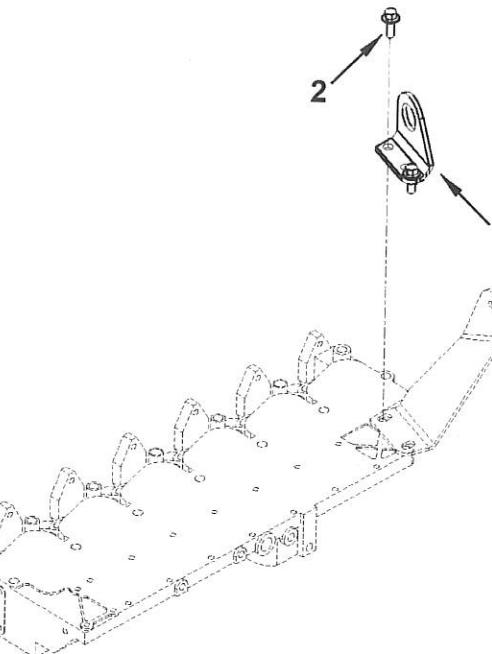
Ref No.	Part Number	Part Name	Req	Remarks
		KEEL COOLER PLUMBING OPTION KC9704		
1	3282315	Elbow, Male Adapter	1	Keel Cooler Plumbing (Dependents)
2	3917992	Hose, Flexible	1	Aspiration: T/A
3	68139	Elbow, Male Adapter	1	Supplied in a Kit: No
4	3018920	Clamp, Wire Tie	2	1/8 NPTF X 7/16-20 (90)

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Group No. 17.06

Lifting Bracket

Option No. LA9007



la951gq

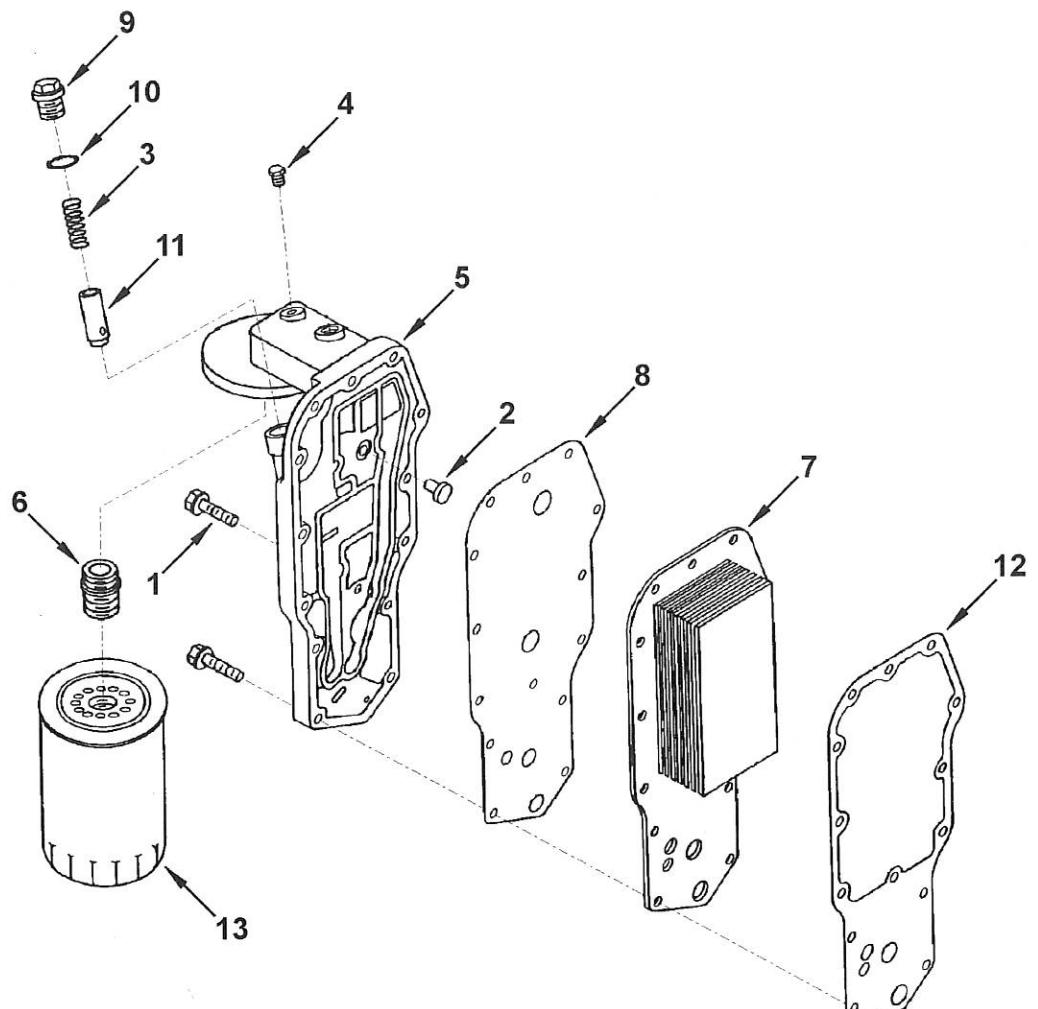
Ref No.	Part Number	Part Name	Req	Remarks
		LIFTING BRACKET OPTION LA9007		
1	3908118	Bracket, Lifting	1	Lifting Bracket
2	3910495	Screw, Hex Flange Head Cap	2	Capscrew Length: 30 mm Allows For Intake Trunking: No Max Lifting Load (Lbs.): 2000 Bracket Pre-Painted: No Bracket(s) Provided: Front and Rear Neuss will use 25 mm Mounting Capscrews. M12 X 1.75 X 30

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Group No. 07.05

Engine Oil Cooler

Option No. LC9020



lc900gk

Group No. 07.05

Engine Oil Cooler

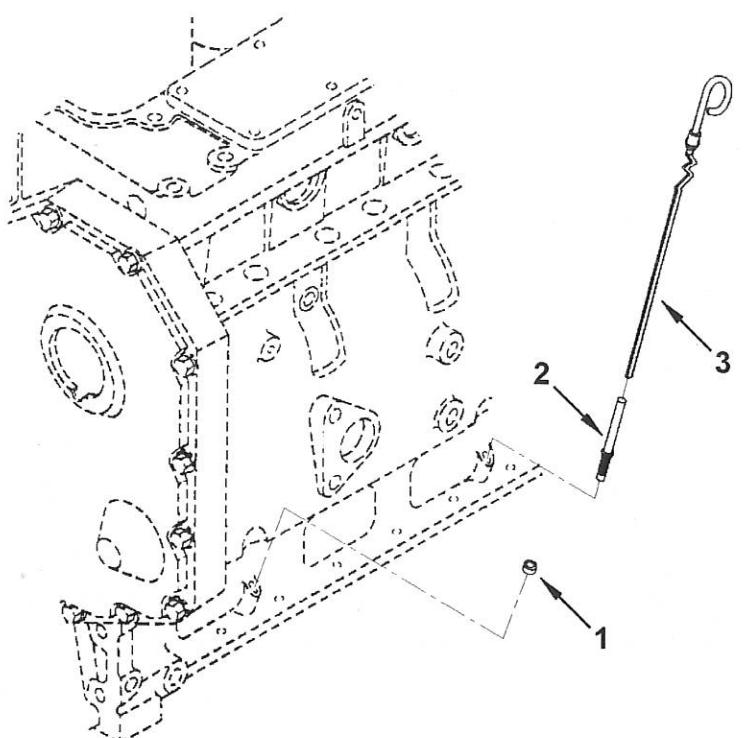
Option No. LC9020

Ref No.	Part Number	Part Name	Req	Remarks
		ENGINE OIL COOLER OPTION LC9020		
1	3900632	Screw, Hex Flange Head Cap	14	Engine Oil Cooler
2	3936365	Valve, Pressure Relief	1	Cooler Type: Plate
3	3925009	Spring, Compression	1	Mounting Position/Location: Vertical
4	3906619	Plug, Pipe	1	Filter Material: Cellulose
5	3918954 (3924338)	Head, Lub Oil Filter	1	Restricted Aspiration: Turbocharged
6	3909355	Head, Lub Oil Filter	1	Jacket Water Aftercooled Pressure Relief Set
7	3957544	Adapter, Filter Head	1	65 PSI.
8	3942915	Core, Cooler	1	Filter Logo: None
9	3915787	Gasket, Filter Head	1	M8 X 1.25 X 35
10	3929457	Plug, Threaded	1	1/8 NPT
11	3918428	Seal, O Ring	1	
12	3942914 (3937743)	Plunger, Prs Regulator	1	
13		Gasket, Oil Cooler Core	1	
		Cartridge, Lub Oil Filter	1	
				Purchase From Fleetguard

Group No. 07.02

Oil Level Gauge

Option No. LG9058

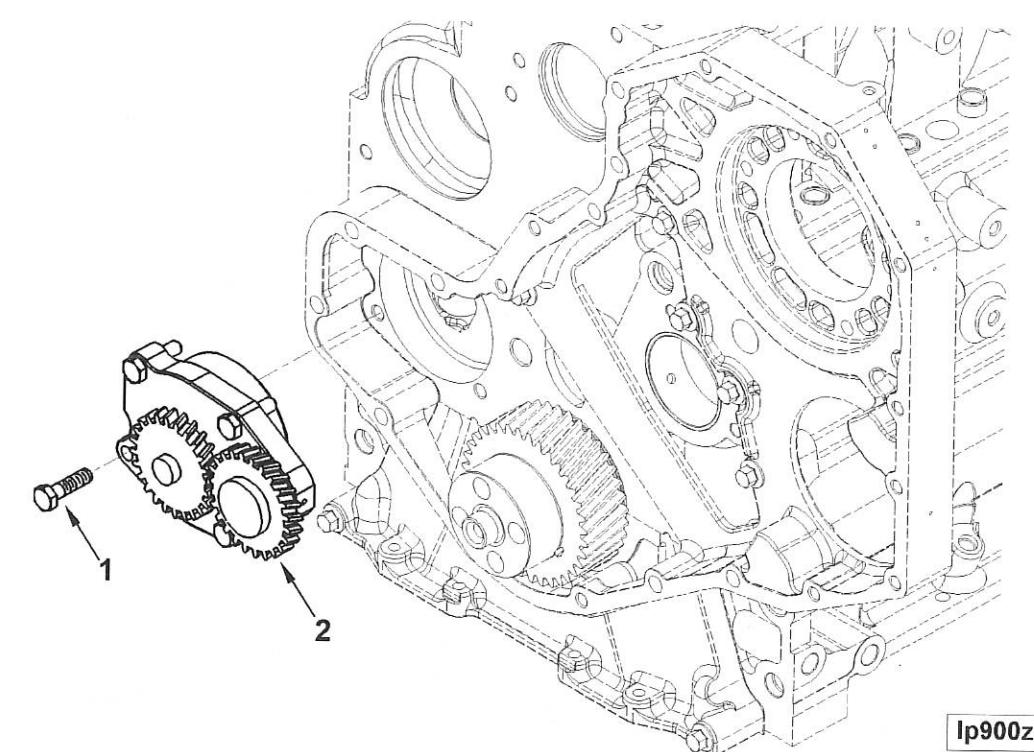


Ref No.	Part Number	Part Name	Req	Remarks
		OIL LEVEL GAUGE OPTION LG9058		
1	3900955	Plug, Expansion	3	Oil Level Gauge
2	3280885	Tube, Oil Gauge	1	Oil Pan High Limit (qt): 15 Oil Pan Low Limit (qt): 13 Oil Pan Sump: Rear Entry Location from FFOB (mm): 648.0 Power Angle (Deg): 0 Engine Tilt (Deg): 0 Pull Direction: Vertical Functions with Air Compressor: Yes Tube Termination Side: Fuel Pump Side Tube Effective Length (mm): 65 Restricted Breather Type: Open CNS may use P/N 3905368 Expansion Plug in Place of P/N 3900955 Expansion Plug.
3	3905786	Dipstick	1	

Group No. 07.06

Lubrication Oil Pump

Option No. LP9714

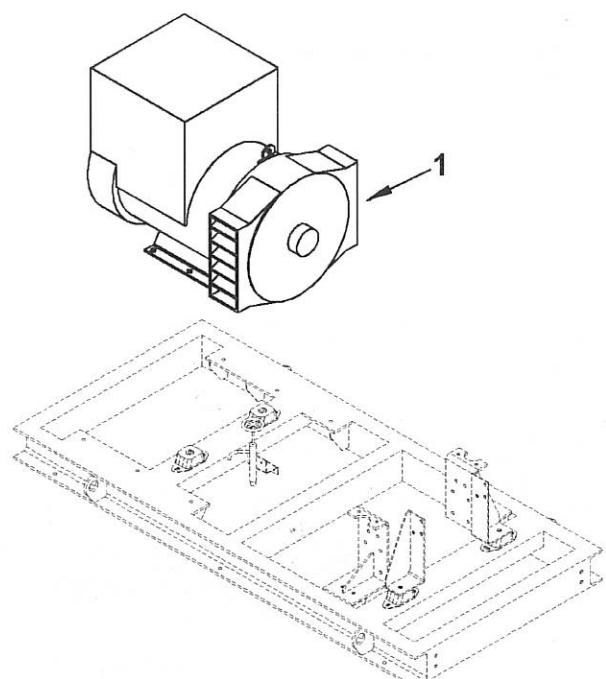


Ref No.	Part Number	Part Name	Req	Remarks
		LUBRICATION OIL PUMP OPTION LP9714		
1	3900677	Screw, Hexagon Head Cap	4	Lubrication Oil Pump
2	3937404	Pump, Lubricating Oil	1	Pump Drive: Non-Crank Concentric Body Material: Cast Iron Body Flow Rate (GPM @ RPM): 20.5 @ 4200 Gear Type: Steel HCR Gear Piston Cooling Method: Saddle Jet Cylinders - Engine Aspiration: 6 - Charge Air Cooled 6 - Jacket Water Aftercooled 6 - Naturally Aspirated 6 - Sea Water Aftercooled 6 - Turbocharged M8 X 1.25 X 30

Group No. 21.01

Main Generator

Option No. MG9346

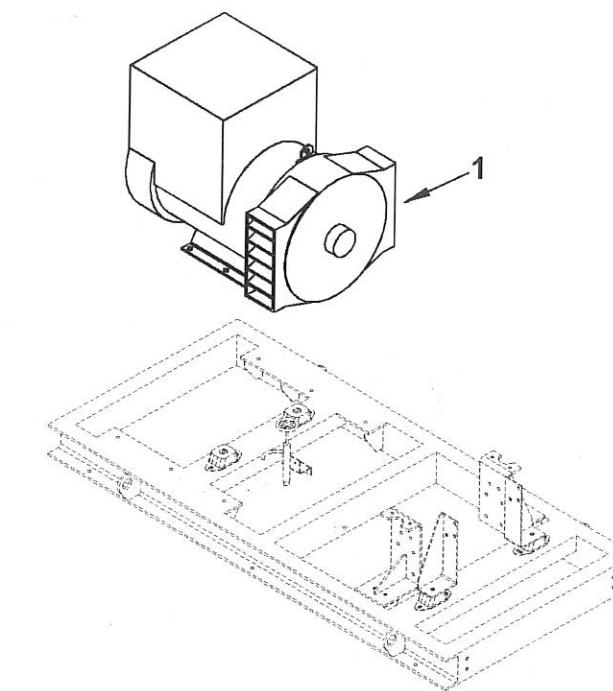
**mg900gb**

Ref No.	Part Number	Part Name	Req	Remarks
1	3979249	MAIN GENERATOR OPTION MG9346 Generator, Main	1	Main Generator Marine Genset with 380 V, 50 HZ Output. 80 KWE C Power (74 KWE C Safe). Newage Stamford Single Bearing Marine Alternator Model UCM274E. Fitted with Anti Condensation Heaters (240 V). Quadrature Droop Kit, IP23 Enclosure, 2 sets of Thermistors and MX341 AVR.

Group No. 21.01

Main Generator

Option No. MG9352

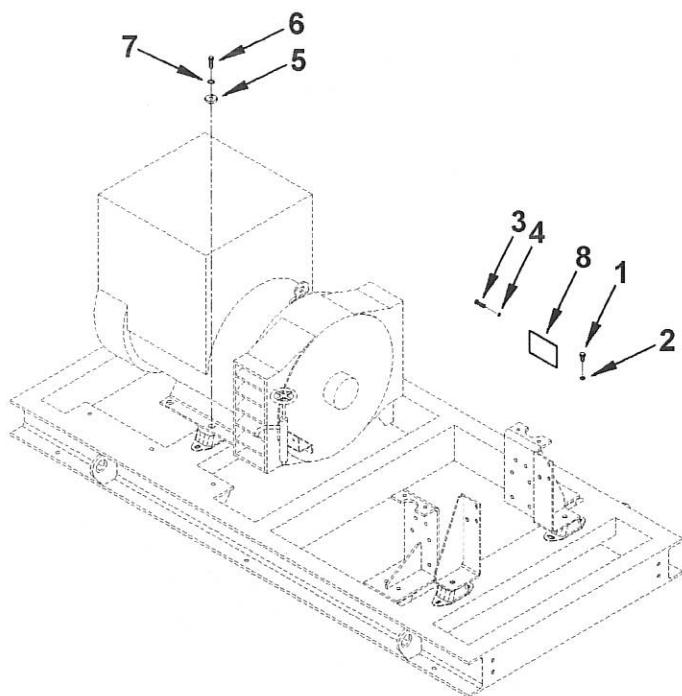
**mg900gb**

Ref No.	Part Number	Part Name	Req	Remarks
1	3979249	MAIN GENERATOR OPTION MG9352 Generator, Main	1	Main Generator Marine Genset with 400 V, 50 HZ Output 80 KWE C Power (74 KWE C Safe) Certification Agency: None Newage Stamford Single Bearing Marine Alternator Model UCM274 E. Fitted With Anti Condensation Heaters (240 V) Quadrature Droop Kit, IP23 Enclosure, 2 Sets of Thermistors and MX341 AVR.

Group No. 21.01

Main Generator

Option No. MG9364



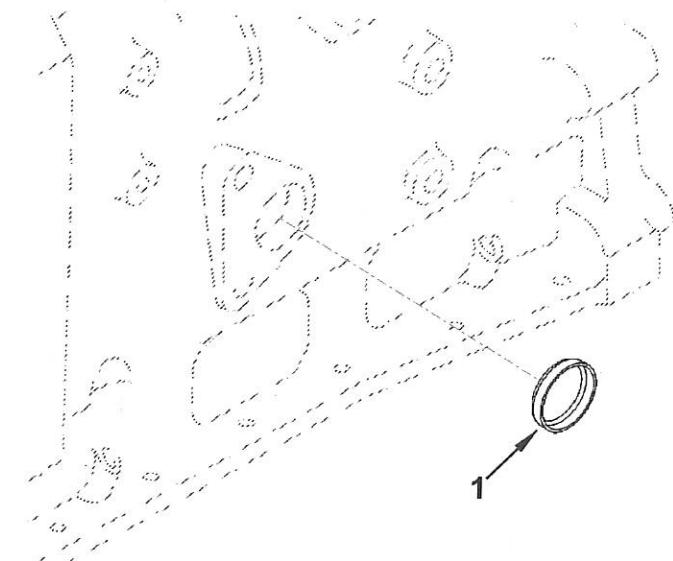
Ref No.	Part Number	Part Name	Req	Remarks
		MAIN GENERATOR OPTION MG9364		Main Generator
1	S 117	Screw, Hexagon Head Cap	8	6 BT5.9 Marine Genset Mounting Hardware. Includes Hardware to Install Genset to Engine and Dataplate. 3/8 - 16 X 3/4"
2	S 604	Washer, Lock	8	3/8"
3	3974651	Screw, Hexagon Head Cap	12	
4	3974669	Washer, Lock	12	
5	3974721	Adapter, Reducing	2	
6	3974724	Screw, Hexagon Head Cap	2	
7	3974725	Washer, Lock	2	
8	3978371	Dataplate	1	

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Group No. 01.08

Cylinder Block Cover

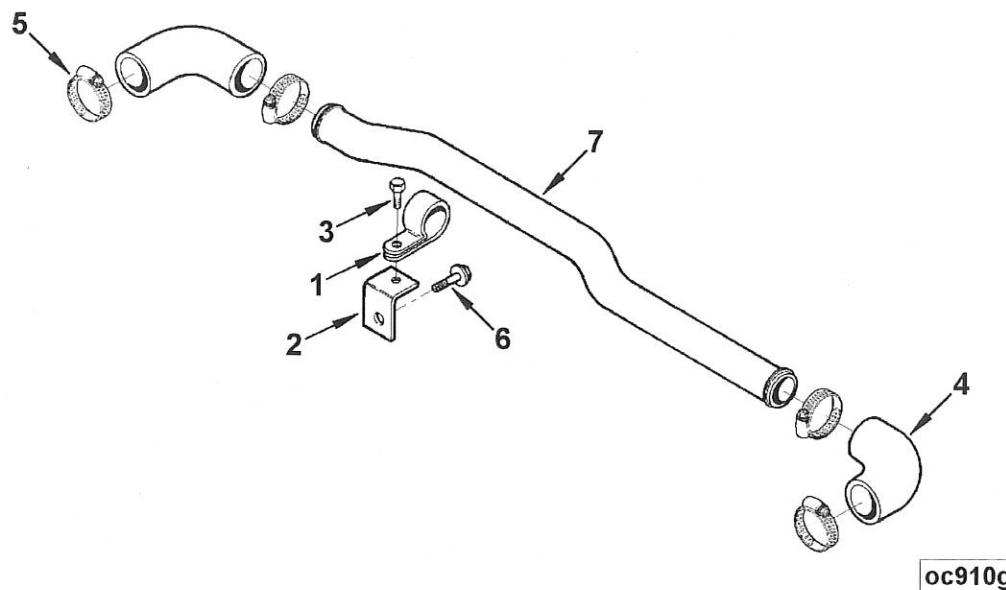
Option No. OB9704



Ref No.	Part Number	Part Name	Req	Remarks
1	3900958	CYLINDER BLOCK COVER OPTION OB9704 Plug, Expansion	1	Cylinder Block Cover Oil Fill Location: Front Gear Cover Air Compressor Support Provided: No CPR Rear Support Location: None

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NOTES

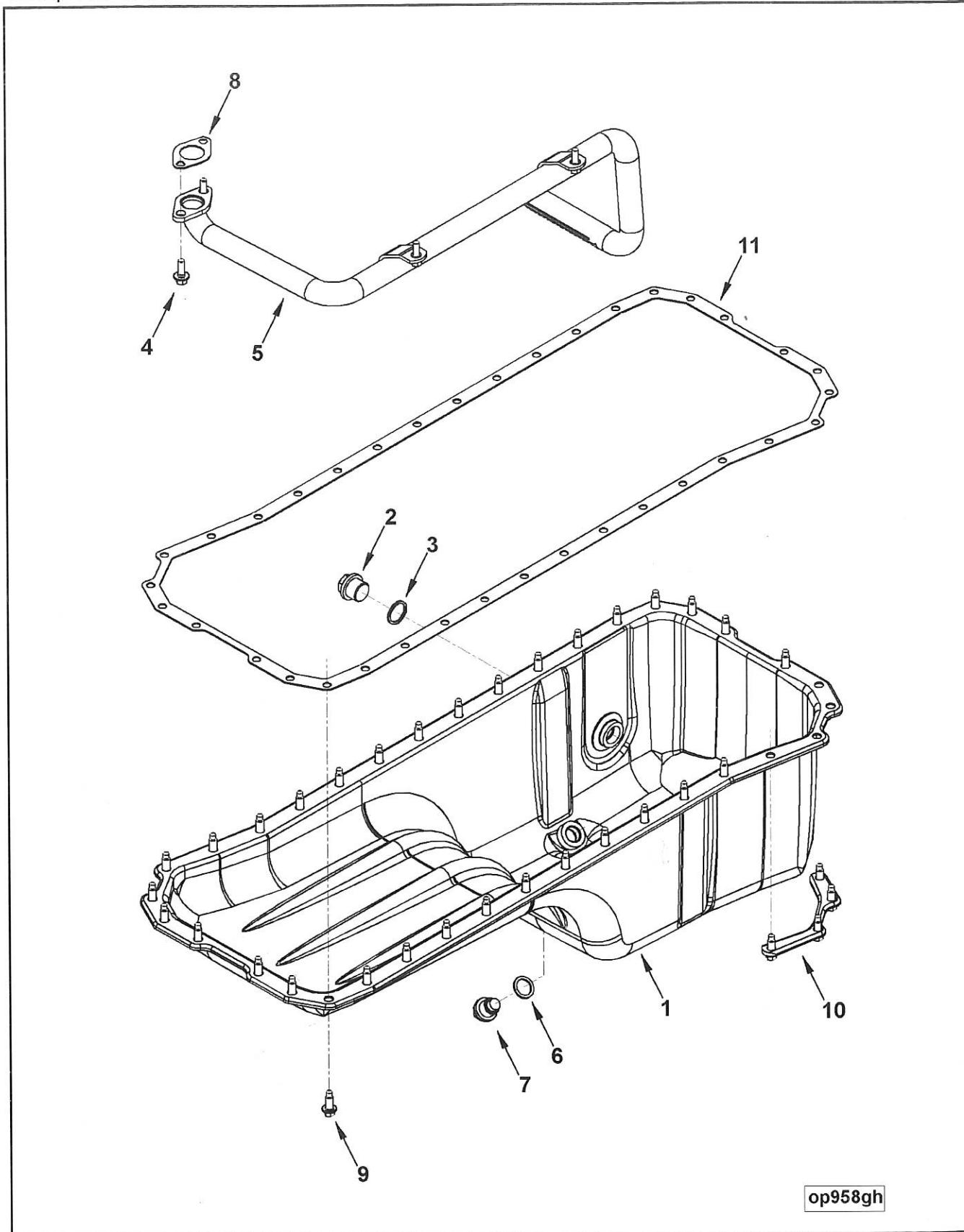


Ref No.	Part Number	Part Name	Req	Remarks
		MARINE GEAR OIL COOLER OPTION OC9017		Marine Gear Oil Cooler HP Limitation: 210 and Below Water Connection Size: 1.25" Gear Cooler Supplier: Customer or No Cooler Needed Contains Superfinish: No
1	67950	Clip	1	
2	68038	Brace, Hose	1	
3	137795	Screw, Hexagon Head Cap	1	
4	188580	Hose, Elbow	2	
5	3922844	Clamp, Hose	4	
6	3901249	Screw, Hex Flange Head Cap	1	
7	3916065	Tube, Sea Water Pump	1	M12 X 1.75 X 25

Group No. 07.01

Oil Pan

Option No. OP9006



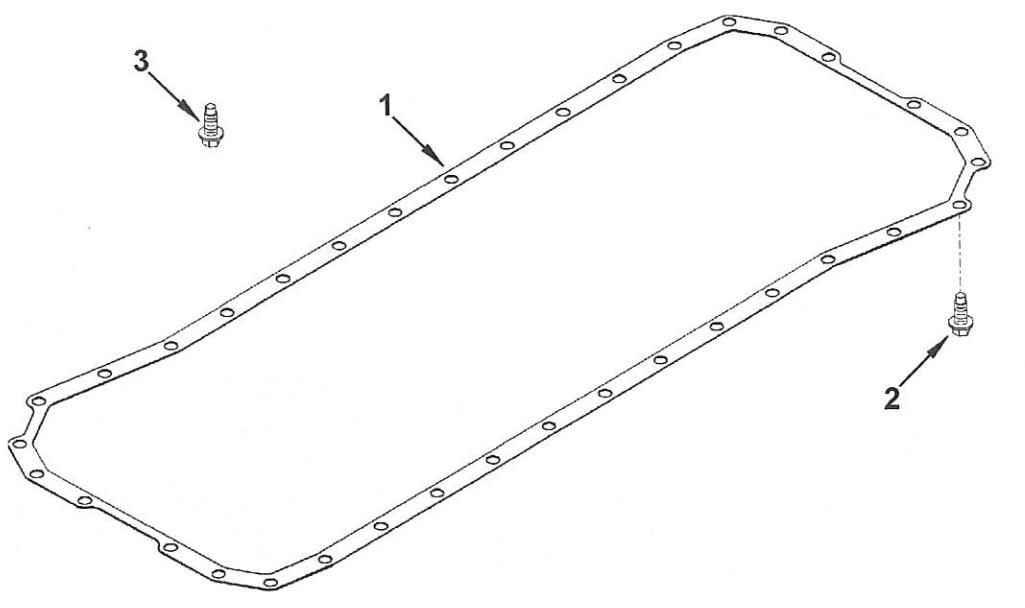
op958gh

Group No. 07.01

Oil Pan

Option No. OP9006

Ref No.	Part Number	Part Name	Req	Remarks
		OIL PAN OPTION OP9006		Oil Pan Sump Style: Standard Sump Location: Rear Oil Pan Material: Stamped Steel Drain Location: Exhaust Manifold Side Pan High Capacity (qt): 15 (14.191 l) Pan Low Capacity (qt): 13 (12.299 l) Front Up Angularity (Deg): 40 Front Down Angularity (Deg): 40 Side To Side Angularity (Deg): 40 Oil Pan Type: Non Isolated Internally Cast Suction Tube: No Required Oil Filter Medium: Cellulose Suction Tube Flange Thickness (mm): 5.16 Heater Boss Size & Location: 22 mm Exhaust DEP may Substitute P/N 3281626 Capscrew in Place of P/N 3920400. DEP may use P/N 3282266 Plug in Place of P/N 3924148 Plug.
1	(3915703)	Pan, Oil	1	Serviced as 3900960
2	3924147	Plug, Threaded	1	M18 X 1.50
3	3920773	Washer, Sealing	1	18 mm
4	3900630	Screw, Hex Flange Head Cap	2	M8 X 1.25 X 20
5	3921992	Connection, Oil Suction	1	
6	3902425	Washer, Sealing	1	
7	3282266	Plug, Threaded	1	22 mm
8	3938157	Gasket, Flange	1	
		SERVICE PARTS		
	3900960 (3915703)	Kit, Oil Pan Service	A/R	Serviced as 3900960
1	3907860	Pan, Oil	1	
9	3935482	Screw, Hex Flange Head Cap	4	M8 X 1.25 X 25
10	3959052	Plate, Clamping	1	
11		Gasket, Oil Pan	1	



op951gl

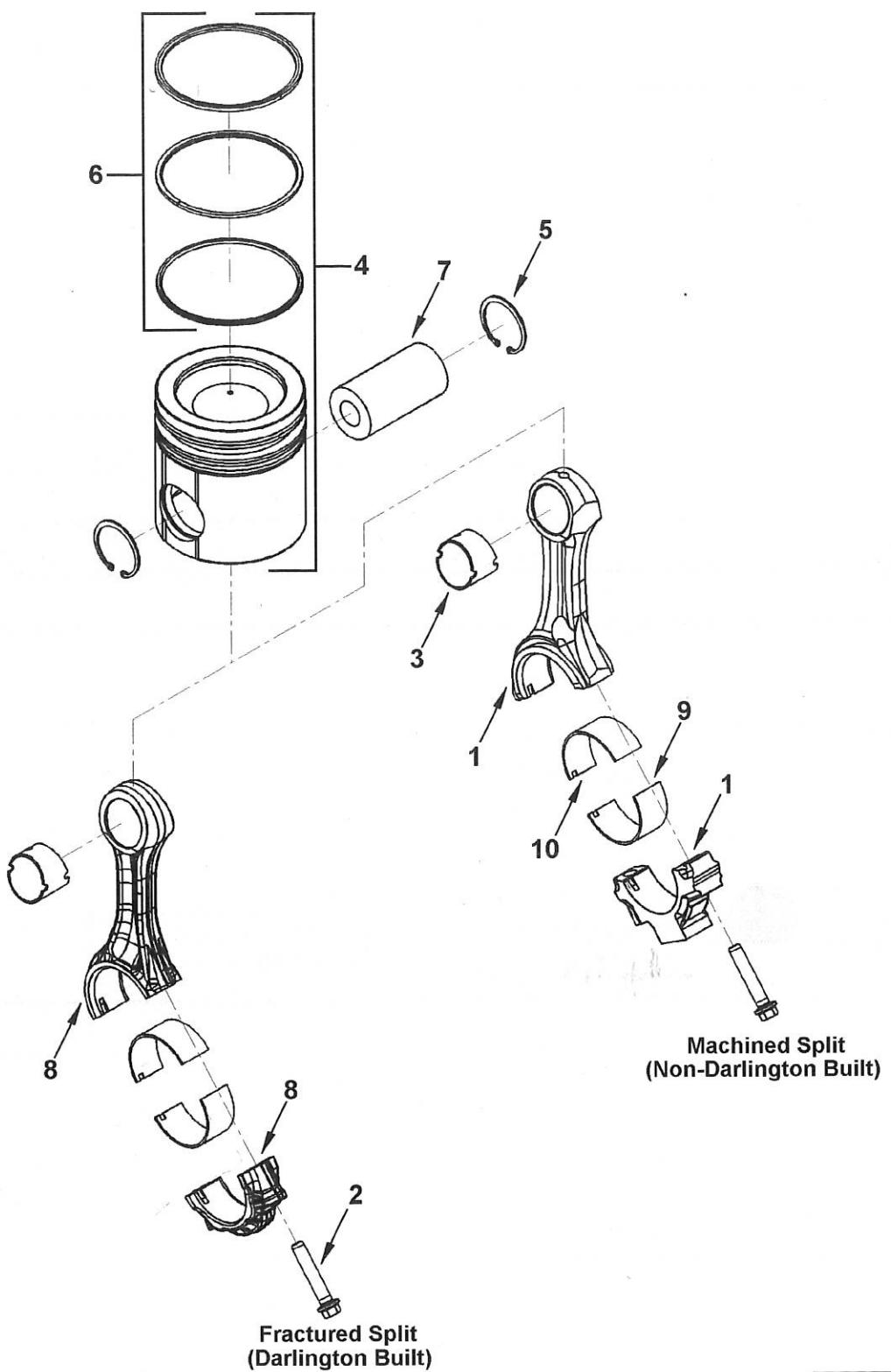
Ref No.	Part Number	Part Name	Req	Remarks
		OIL PAN MOUNTING OPTION OP9702		Oil Pan Mounting Bedplate Capability: Without Required Oil Pan Material: Stamped Steel
1	3959052	Gasket, Oil Pan	1	
2	3920400	Screw, Hex Flange Head Cap	36	M8 X 1.25 X 21
3	3900630	Screw, Hex Flange Head Cap	2	M8 X 1.25 X 20

NOTES

Group No. 01.04

Connecting Rod And Piston

Option No. PP1523

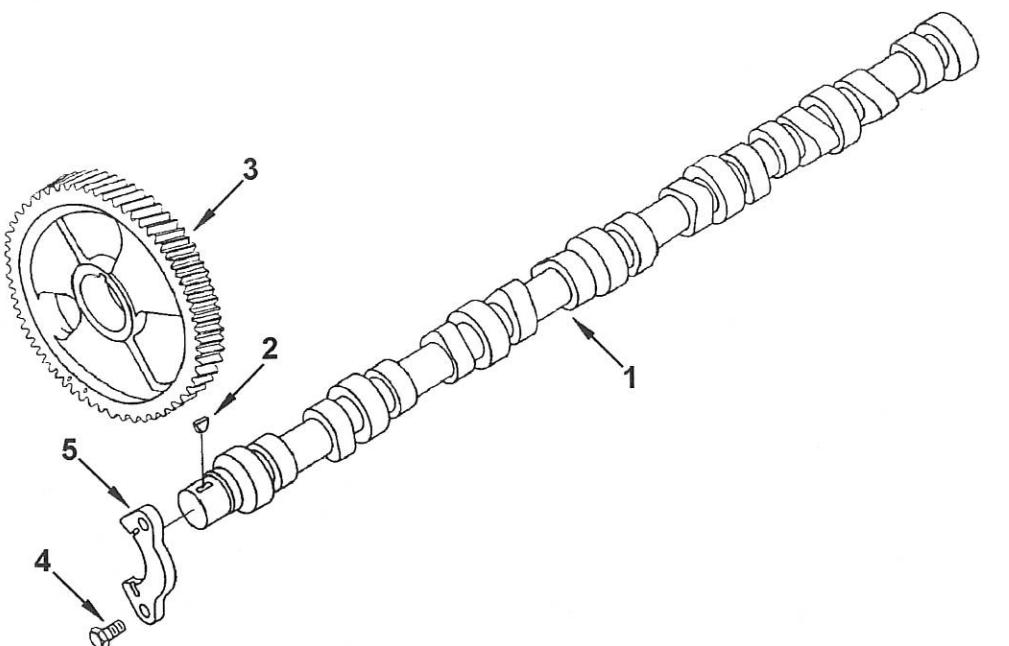


Group No. 01.04

Connecting Rod And Piston

Option No. PP1523

Ref No.	Part Number	Part Name	Req	Remarks
CONNECTING ROD AND PISTON				
OPTION PP1523				
1	3954658 (3954657)	Rod, Engine Connecting	6	Connecting Rod And Piston
2	4891179	Rod, Engine Connecting	1	
3	4891178	Screw, Connecting Rod Cap	2	
4	3802100 (3907156)	Bushing	1	
5	3901706	Kit, Engine Piston'	6	Standard
6	3802421	Piston, Engine	1	
7	3934048 4891176	Ring, Retaining	2	
8	4891179 4891178 (4891177)	Set, Piston Ring	1	Standard
9	4893693	Pin, Piston -	6	
10	3939859	Rod, Engine Connecting	6	
	4891176	Screw, Connecting Rod Cap	2	
	4891179	Bushing	1	
	4891178	Rod, Engine Connecting	1	
	4893693	Bearing, Connecting Rod	6	
	3939859	Bearing, Connecting Rod	6	
4	3802102 (3907157)	Kit, Engine Piston	A/R	0.50 mm Oversize
5	3901706	Piston, Engine	1	Serviced as 3802102
6	3802422	Ring, Retaining	2	
	3802422	Set, Piston Ring	1	0.50 mm Oversize
4	3802104 (3907158)	Kit, Engine Piston	A/R	1.00 mm Oversize
5	3901706	Piston, Engine	1	Serviced as 3802104
6	3802234	Ring, Retaining	2	
	3802234	Set, Piston Ring	1	1.00 mm Oversize
9	4892795	Bearing, Connecting Rod	A/R	0.25 mm Oversize
9	4892796	Bearing, Connecting Rod	A/R	0.50 mm Oversize
9	4892797	Bearing, Connecting Rod	A/R	0.75 mm Oversize
9	4892798	Bearing, Connecting Rod	A/R	1.00 mm Oversize
10	3901171	Bearing, Connecting Rod	A/R	0.25 mm Oversize
10	3901172	Bearing, Connecting Rod	A/R	0.50 mm Oversize
10	3901173	Bearing, Connecting Rod	A/R	0.75 mm Oversize
10	3901174	Bearing, Connecting Rod	A/R	1.00 mm Oversize



cg900gb

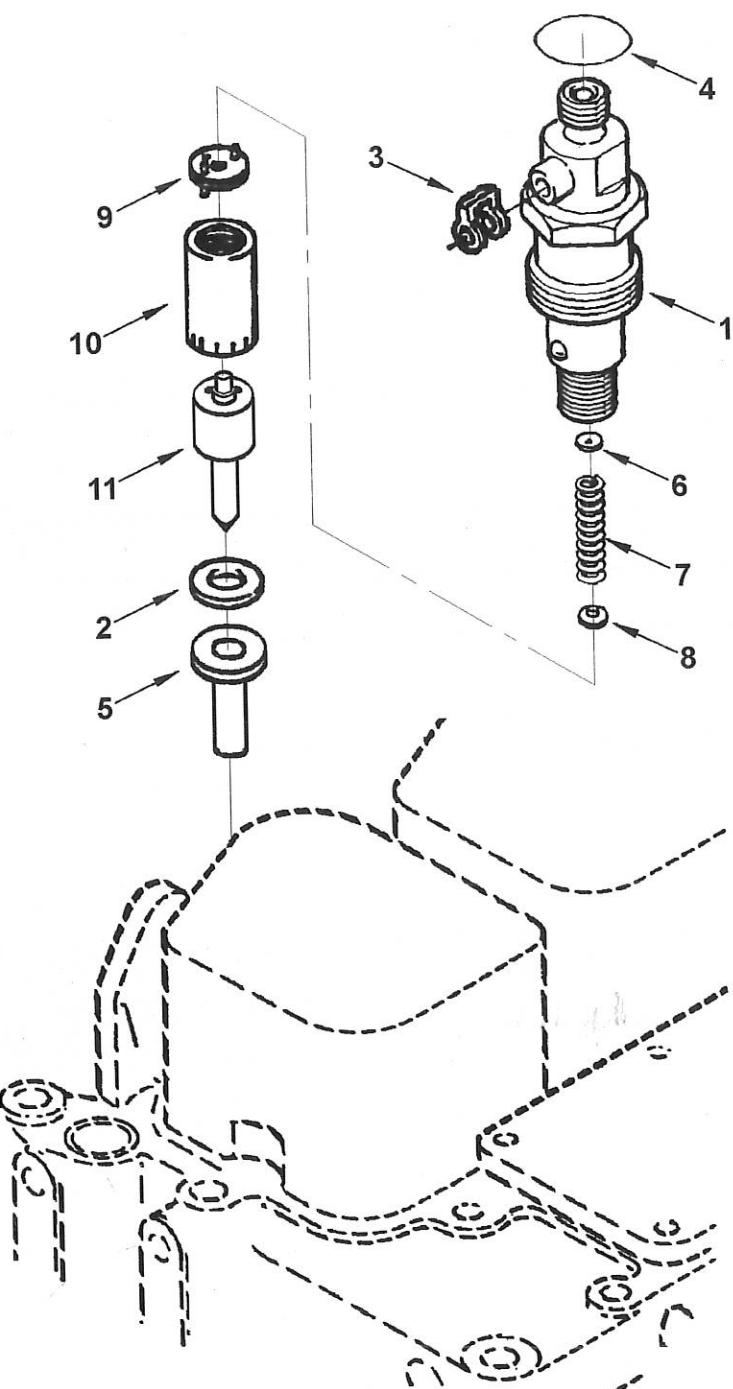
Ref No.	Part Number	Part Name	Req	Remarks
		CAMSHAFT OPTION PP1523		
1	3929042	Camshaft	1	
2	3902332	Key, Plain Woodruff	1	
3	3929028	Gear, Camshaft	1	
4	3900227	Screw, Hexagon Head Cap	2	M8 X 1.25 X 22
5	3927155	Support, Camshaft Thrust	1	

NOTES

Group No. 06.01

Fuel Injector

Option No. PP1523



pp963gh

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Group No. 06.01

Fuel Injector

Option No. PP1523

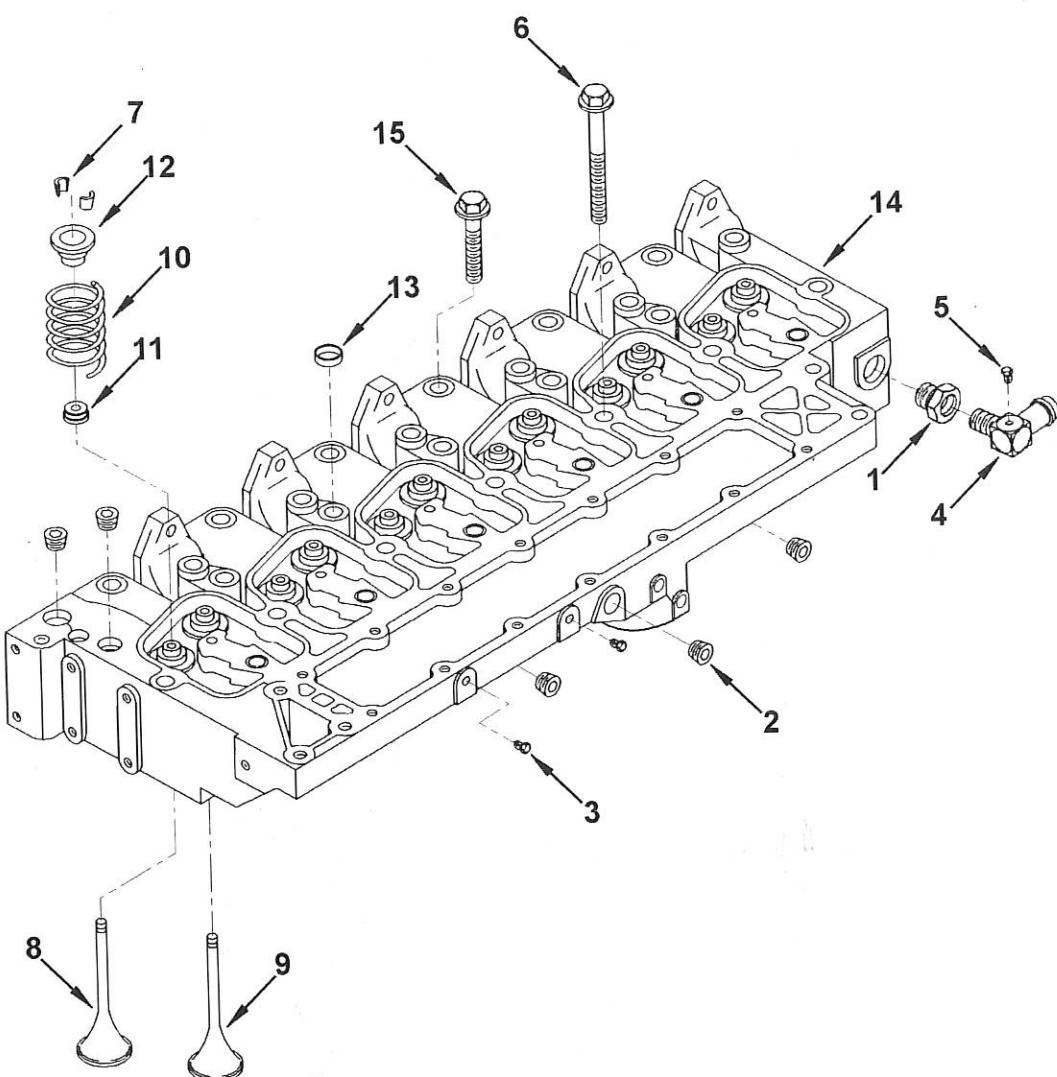
Ref No.	Part Number	Part Name	Req	Remarks
		FUEL INJECTOR OPTION PP1523		Fuel Injector
1	3802325 (3919298)	Injector	6	Recon Equivalent 3802325 RX Serviced as 3802325.
2	3906659	Injector	1	
3	3903380	Seal, Injector	1	
4	3909356	Seal, Banjo Connector	1	
5	3919358	Seal, Rectangular Ring	1	
		Sleeve, Injector	1	
		SERVICE PARTS USED TO SERVICE P/N 3919298		
6	3905156	Shim	A/R	1.00 mm Thick
6	3905157	Shim	A/R	1.04 mm Thick
6	3905158	Shim	A/R	1.08 mm Thick
6	3905159	Shim	A/R	1.10 mm Thick
6	3905160	Shim	A/R	1.14 mm Thick
6	3905161	Shim	A/R	1.18 mm Thick
6	3905162	Shim	A/R	1.20 mm Thick
6	3905163	Shim	A/R	1.24 mm Thick
6	3905164	Shim	A/R	1.28 mm Thick
6	3905165	Shim	A/R	1.30 mm Thick
6	3905166	Shim	A/R	1.34 mm Thick
6	3905167	Shim	A/R	1.38 mm Thick
6	3905168	Shim	A/R	1.40 mm Thick
6	3905169	Shim	A/R	1.44 mm Thick
6	3905170	Shim	A/R	1.48 mm Thick
6	3905171	Shim	A/R	1.50 mm Thick
6	3905172	Shim	A/R	1.54 mm Thick
6	3905173	Shim	A/R	1.58 mm Thick
6	3905174	Shim	A/R	1.60 mm Thick
6	3905175	Shim	A/R	1.64 mm Thick
6	3905176	Shim	A/R	1.68 mm Thick
6	3905177	Shim	A/R	1.70 mm Thick
6	3905178	Shim	A/R	1.74 mm Thick
6	3905179	Shim	A/R	1.76 mm Thick
6	3905180	Shim	A/R	1.78 mm Thick
6	3905181	Shim	A/R	1.80 mm Thick
6	3905182	Shim	A/R	1.84 mm Thick
6	3905183	Shim	A/R	1.88 mm Thick
6	3905184	Shim	A/R	1.90 mm Thick
6	3905185	Shim	A/R	1.94 mm Thick
6	3905186	Shim	A/R	1.98 mm Thick
7	3905152	Spring, Compression	6	
8	3905153	Spindle	6	
9	3905154	Disc, Intermediate	6	
10	3905155	Retainer, Injector Nozzle	6	
11	3919299	Nozzle	6	

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Group No. 02.01

Cylinder Head

Option No. PP9742



pp966gz

Group No. 02.01

Cylinder Head

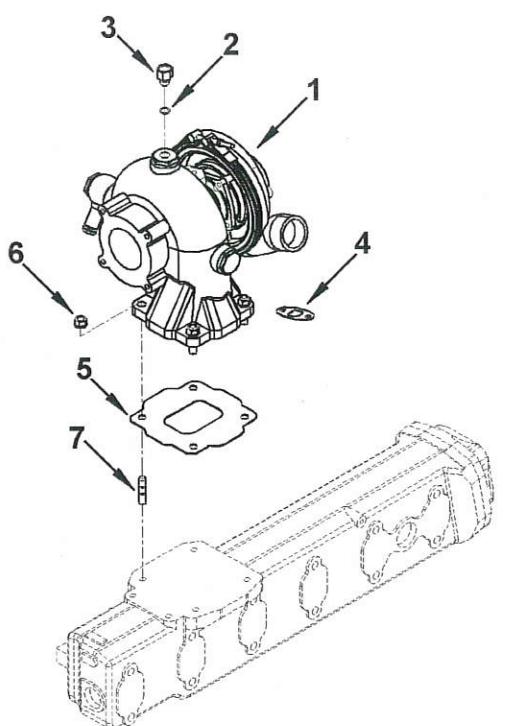
Option No. PP9742

Ref No.	Part Number	Part Name	Req	Remarks
		CYLINDER HEAD OPTION PP9742		Cylinder Head
1	S 982	Bushing, Reducing Pipe	1	Cylinder: 6
2	3008468	Plug, Pipe	5	Swirl: High
3	3906619	Plug, Pipe	2	Manifold Pressure to Lift Exhaust Valve (PSI): 36
	(3908225)	Coupling, Hose		Cylinder Head Material: Cast Iron
4	3908221	Coupling, Elbow Hose	1	Cylinder Head Valve Material: Standard
5	3906619	Plug, Pipe	1	Exhaust Manifold Type: Wet
6	3920780	Screw, Hex Flange Head Cap	1	Valve Seat Inserts: No
	3967440	Head, Cylinder	1	Valve Bridge Scalloping: No
	3802355	Valve, Intake	1	Compression Brake Mounting Hardware: No
7	3900250	Collet, Valve	6	Aspiration: Turbocharged
8	3920867	Valve, Intake	2	DEP may Substitute Valve Spring Retainer
	3802356	Valve, Exhaust	1	P/N 3900299 for P/N 3935038.
7	3900250	Collet, Valve	6	Valve Spring Retainer P/N 3900299 is NOT
9	3920868	Valve, Exhaust	2	Compatible with CDC Manufacturing.
10	3926700	Spring, Valve	12	
11	3957912	Seal, Valve Stem	12	
12	3957913	Retainer, Valve Spring	12	
	3966452	Head, Cylinder	1	
13	(3812092)	Plug, Expansion	5	
14	(3966451)	Head, Cylinder	1	
15	3920779	Screw, Hex Flange Head Cap	6	

Group No. 10.05

Turbocharger

Option No. PP9784



pp966gy

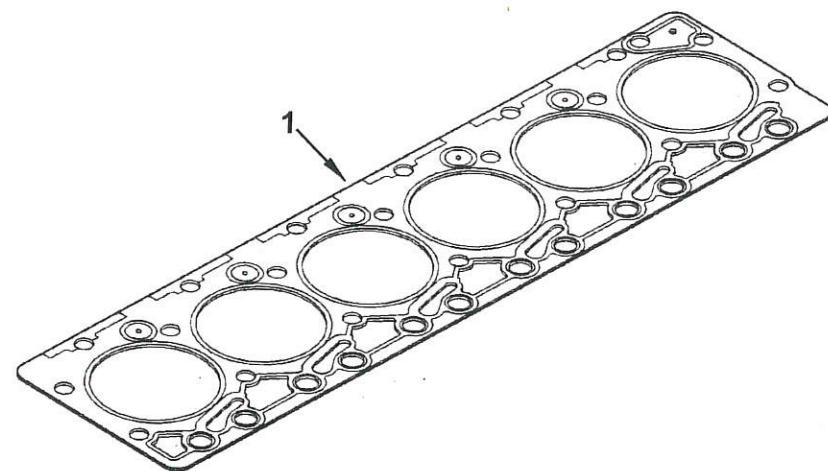
Ref No.	Part Number	Part Name	Req	Remarks
		TURBOCHARGER OPTION PP9784		Turbocharger Turbocharger Type: Non Wastegate Turbo Model: H1C Compressor Angle (Shipping Deg): 200 Turbine Angle (Deg): 301 V Band Clamp Angle: 180 +/- 20 Deg Non Active Oil Cooled Turbocharger Recon Equivalent 3802301 NX
1	3802301 (3528769)	Turbocharger	1	
2	3919687	Turbocharger	1	
3	3037236 (3284244)	Connector, Female	1	
4	3519807	Seal, O Ring	1	
5	3921926	Connector, Female	1	
6	3818824	Gasket, Turbocharger	1	
7	3919666	Gasket, Turbocharger	4	M10 X 1.50
		Nut, Hexagon Flange Stud	4	

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Group No. 02.01

Cylinder Head

Option No. PP97312



kn950gs

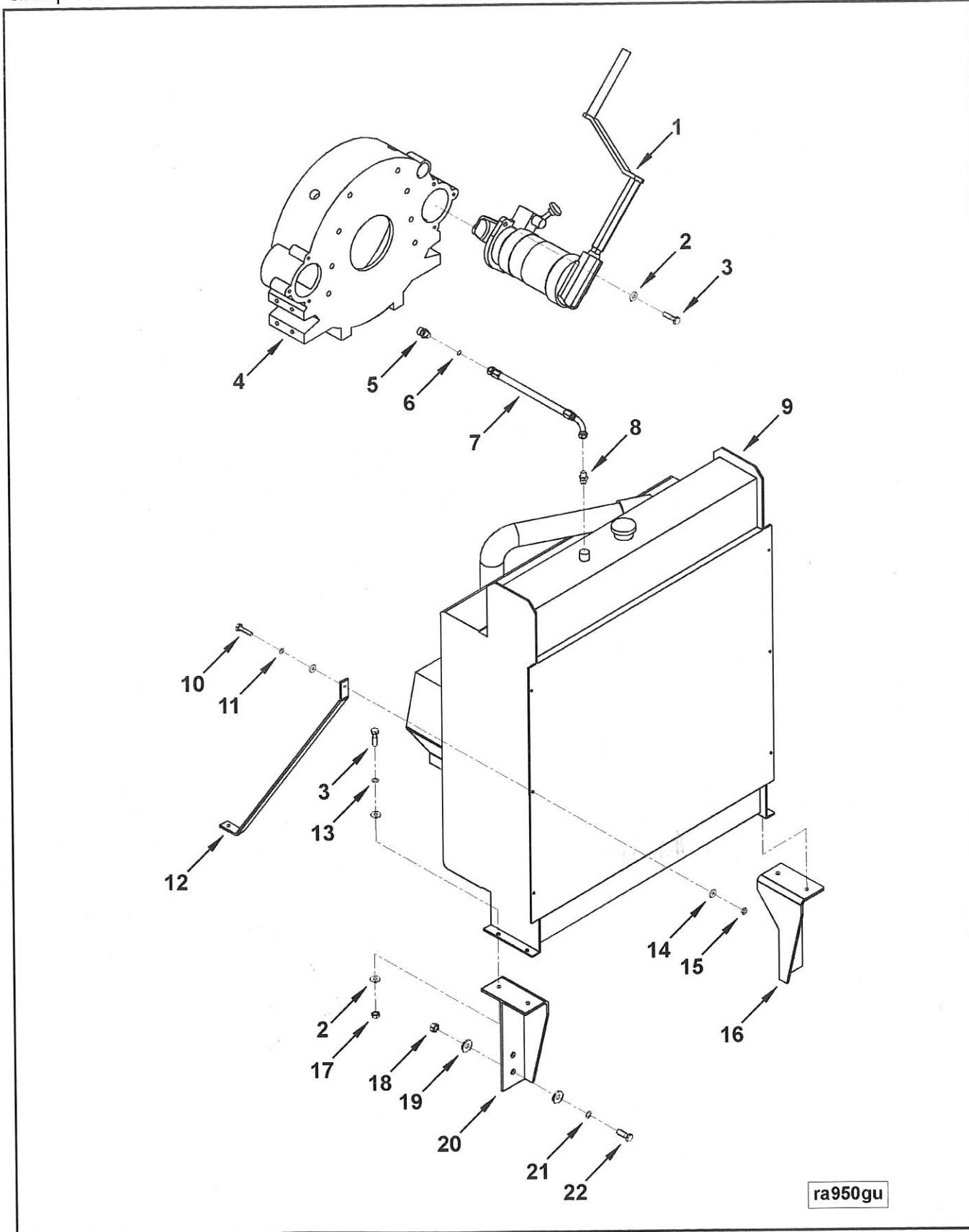
Ref No.	Part Number	Part Name	Req	Remarks
1	3283335	CYLINDER HEAD OPTION PP97312 Gasket, Cylinder Head	1	Cylinder Head Gasket Material: Premium

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Group No. 08.13

Radiator

Option No. RA9065



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Group No. 08.13

Radiator

Option No. RA9065

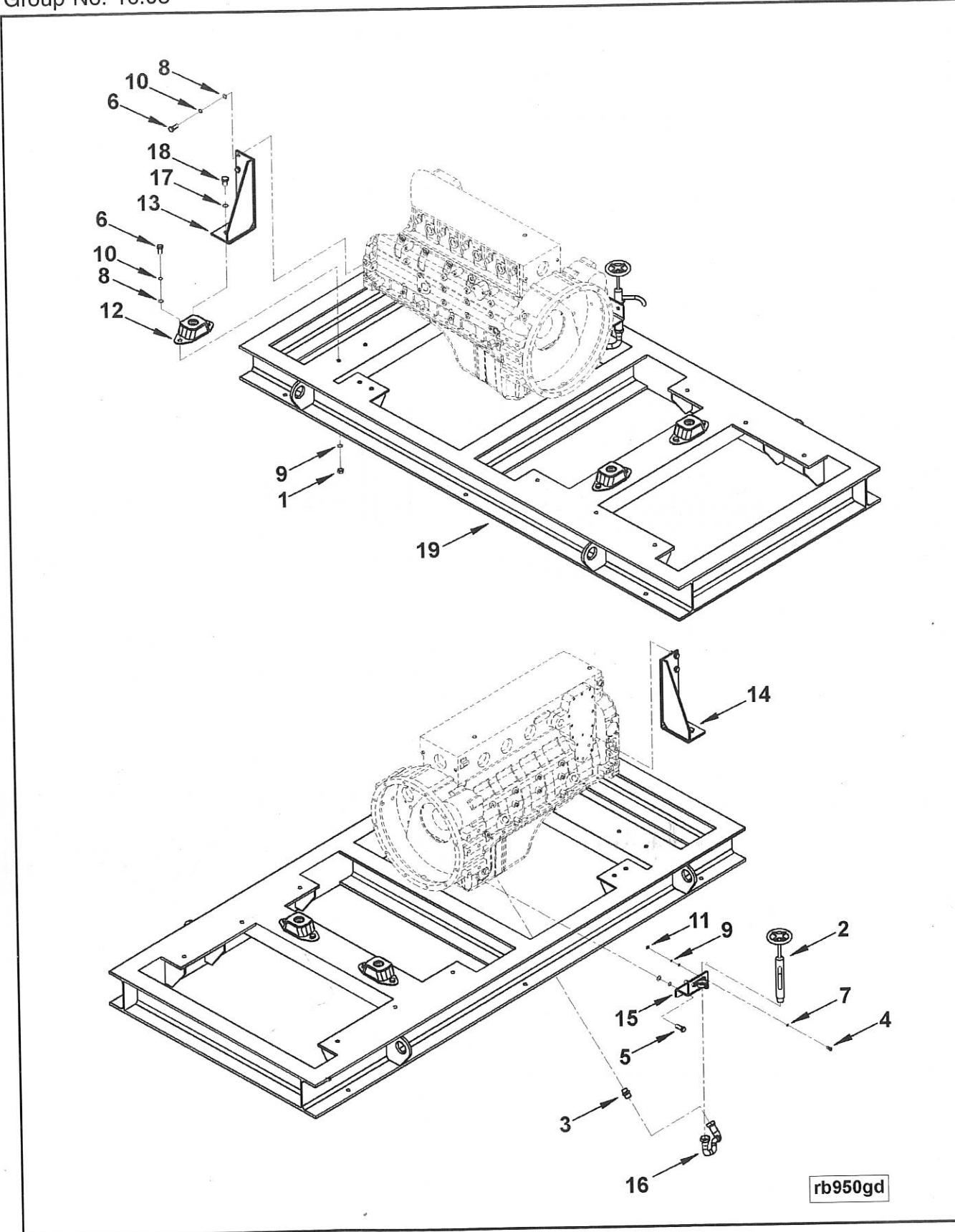
Ref No.	Part Number	Part Name	Req	Remarks
		RADIATOR OPTION RA9065		Radiator
1	3974702	Motor, Spring Starting	1	
2	3976564	Washer, Plain	8	
3	3974651	Screw, Hexagon Head Cap	7	
4	3974700 (3331540)	Housing, Flywheel	1	
5	(3331541)	Connector, Male	1	
6	3922794	Connector, Male	1	
7	3976565	Seal, O Ring	1	
8	3978376	Hose, Flexible	1	
9	3976561	Connector, Male	1	
10	3978374	Radiator	1	
11	3974668	Screw, Hexagon Head Cap	2	
12	3976566	Washer, Lock	2	
13	3974669	Support, Radiator	2	
14	3974663	Washer, Lock	4	
15	3976555	Washer, Plain	4	
16	3976563	Nut, Regular Hexagon	2	
17	3050406	Bracket, Radiator	1	
18	3050407	Nut, Regular Hexagon	4	
19	3974664	Nut, Regular Hexagon	4	
20	3976562	Washer, Plain	8	
21	3974670	Bracket, Radiator	1	
22	3974653	Washer, Lock	4	
		Screw, Hexagon Head Cap	4	M10 X 1.50 M12 X 1.75

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Group No. 16.03

Base Rail

Option No. RB9046



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Group No. 16.03

Base Rail

Option No. RB9046

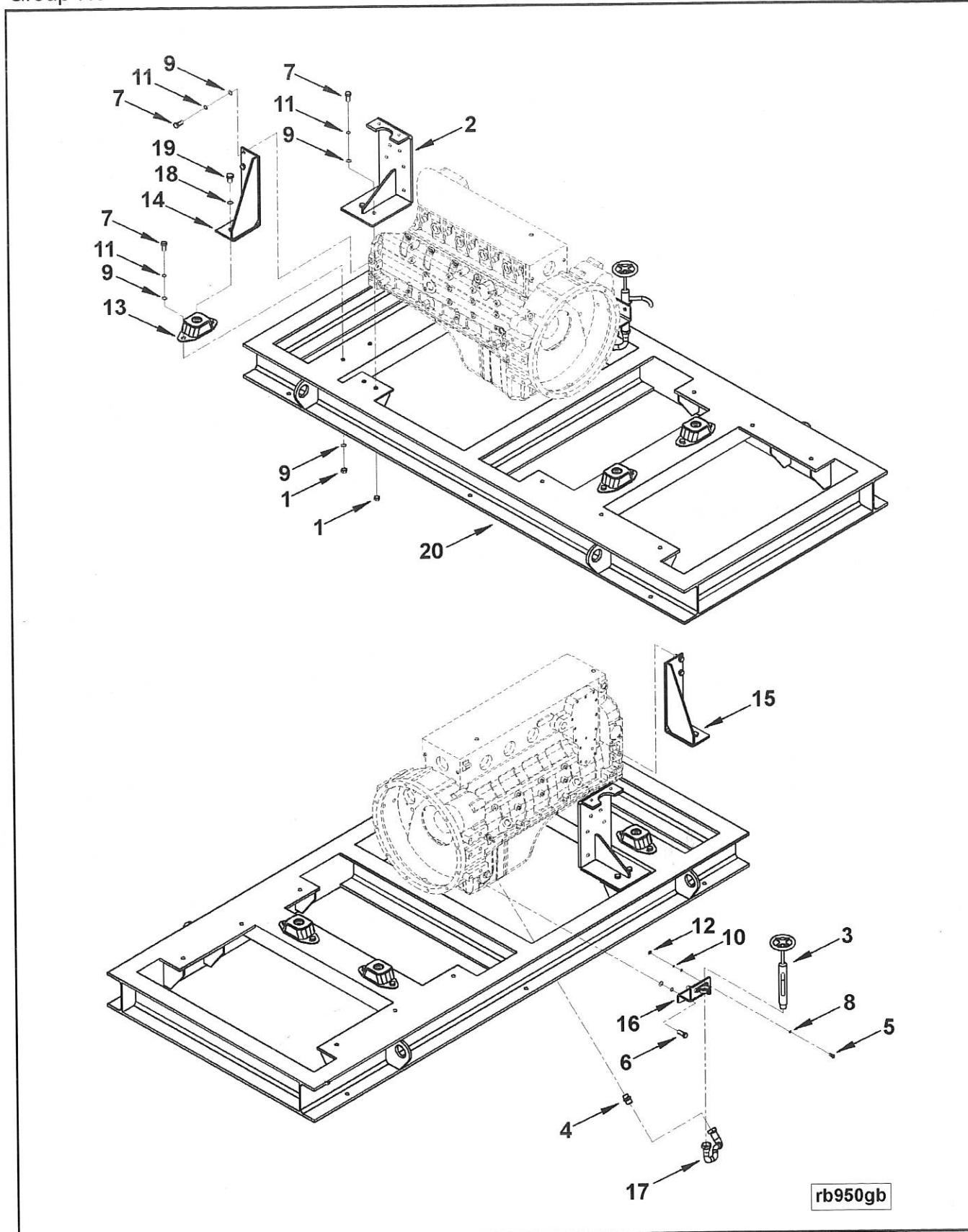
Ref No.	Part Number	Part Name	Req	Remarks
BASE RAIL OPTION RB9046				
1	3050407	Nut, Regular Hexagon	16	Base Rail
2	3972968	Pump, Hand	1	Subbase and Mounting Hardware for Engine,
3	3972969	Union, Male	1	Main Generator and Related Hardware.
4	3974649	Screw, Hexagon Head Cap	2	Basic System Without Agency Classification.
5	3974652	Screw, Hexagon Head Cap	2	M12 X 1.75
6	3974653	Screw, Hexagon Head Cap	22	
7	3974662	Washer, Plain	4	
8	3974664	Washer, Plain	32	
9	3974667	Washer, Lock	2	
10	3974670	Washer, Lock	24	
11	3974674	Nut, Regular Hexagon	2	
12	3974691	Isolator, Vibration	4	
13	3974698	Support, Front Engine	1	
14	3974699	Support, Front Engine	1	
15	3974701	Bracket, Hand Pump	1	
16	3974720	Hose, Flexible	1	
17	3974725	Washer, Lock	2	
18	3974726	Screw, Hexagon Head Cap	2	
19	3976560	Subbase	1	

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Group No. 16.03

Base Rail

Option No. RB9047



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Group No. 16.03

Base Rail

Option No. RB9047

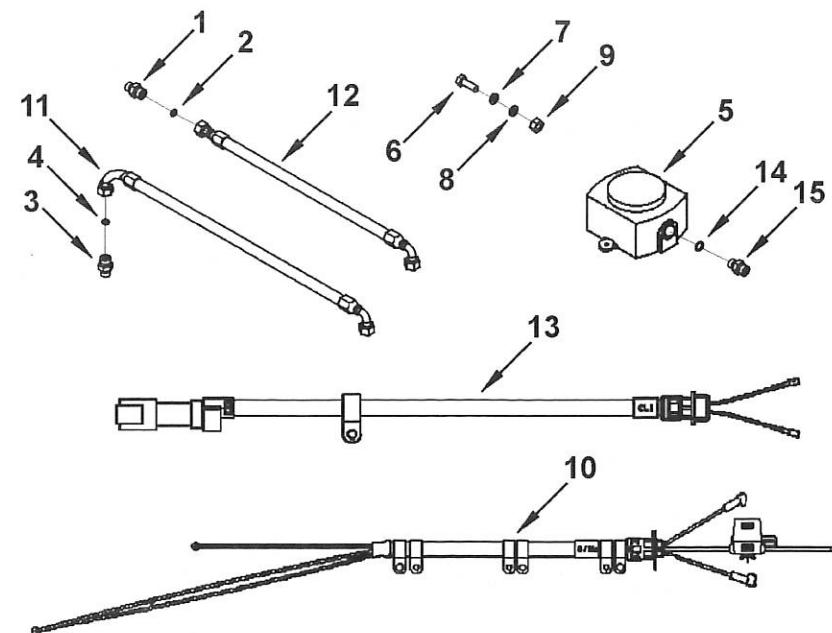
Ref No.	Part Number	Part Name	Req	Remarks
BASE RAIL OPTION RB9047				
1	3050407	Nut, Regular Hexagon	16	
2	3972962	Bracket, Filter	2	
3	3972968	Pump, Hand	1	
4	3972969	Union, Male	1	
5	3974649	Screw, Hexagon Head Cap	1	
6	3974652	Screw, Hexagon Head Cap	2	
7	3974653	Screw, Hexagon Head Cap	22	
8	3974662	Washer, Plain	4	
9	3974664	Washer, Plain	32	
10	3974667	Washer, Lock	2	
11	3974670	Washer, Lock	24	
12	3974674	Nut, Regular Hexagon	2	
13	3974691	Isolator, Vibration	4	
14	3974698	Support, Front Engine	1	
15	3974699	Support, Front Engine	1	
16	3974701	Bracket, Hand Pump	1	
17	3974720	Hose, Flexible	1	
18	3974725	Washer, Lock	1	
19	3974726	Screw, Hexagon Head Cap	2	
20	3976560	Subbase	1	

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Group No. 15.05

Coolant Level Sensor

Option No. SD9164



sd954gz

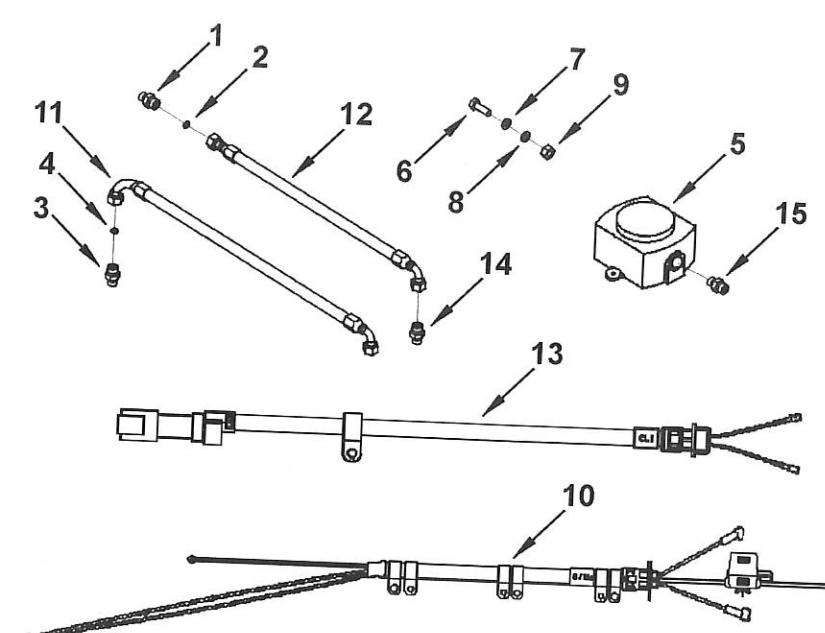
Ref No.	Part Number	Part Name	Req	Remarks
COOLANT LEVEL SENSOR OPTION SD9164				
1	3170813 (3397526)	Connector, Male	2	Coolant Level Sensor
2	3865251	Connector, Male	1	Coolant Level Sensor and Related Parts Used With 6BT5.9 Heat Exchanger Engines for Marine Gensets.
3	3170814 (3397527)	Seal, O Ring	1	
4	3865251	Connector, Male	1	
5	3974648	Seal, O Ring	1	
6	3974649	Sensor, Fluid Level	1	
7	3974662	Screw, Hexagon Head Cap	2	
8	3974667	Washer, Plain	4	
9	3974674	Washer, Lock	2	
10	3974711	Nut, Regular Hexagon	2	
11	3974718	Harness, Wiring	1	
12	3974719	Hose, Flexible	1	
13	3978351	Harness, Wiring	1	
14	4099222	Connector, Male	1	
15	3036666 (4099221)	Seal, O Ring	1	
		Connector, Male	1	

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Group No. 15.05

Coolant Level Sensor

Option No. SD9165



sd955ga

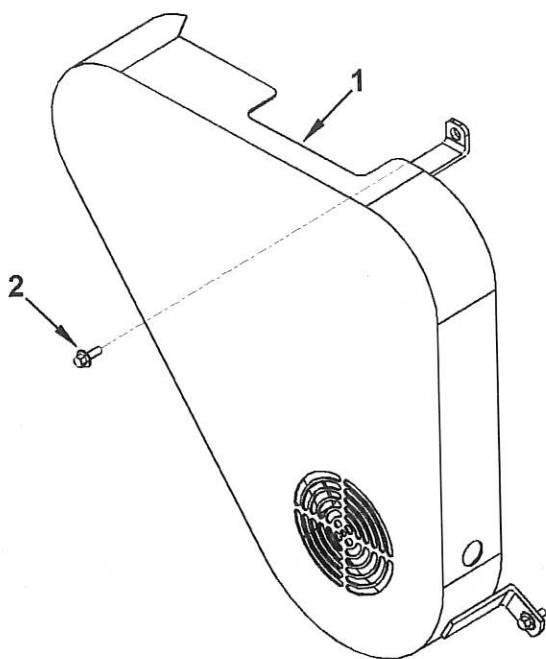
Ref No.	Part Number	Part Name	Req	Remarks
COOLANT LEVEL SENSOR OPTION SD9165				
1	3170813 (3397526)	Connector, Male	2	Coolant Level Sensor
2	3865251	Connector, Male	1	Coolant Level Sensor and Related Parts Used With Radiator or Keel Cooled 6BT5.9 Engines for Marine Gensets.
3	3170814 (3397527)	Seal, O Ring	1	
4	3865251	Connector, Male	1	
5	3974648	Seal, O Ring	1	
6	3974649	Sensor, Fluid Level	1	
7	3974662	Screw, Hexagon Head Cap	2	
8	3974667	Washer, Plain	4	
9	3974674	Washer, Lock	2	
10	3978330	Nut, Regular Hexagon	2	
11	3976567	Harness, Wiring	1	
12	3979280	Hose, Flexible	1	
13	3976548	Hose, Flexible	1	
14	3979281	Harness, Wiring	1	
15	3979273	Connector, Male	1	

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Group No. 15.03

Guard Package

Option No. SG9033



sg950gw

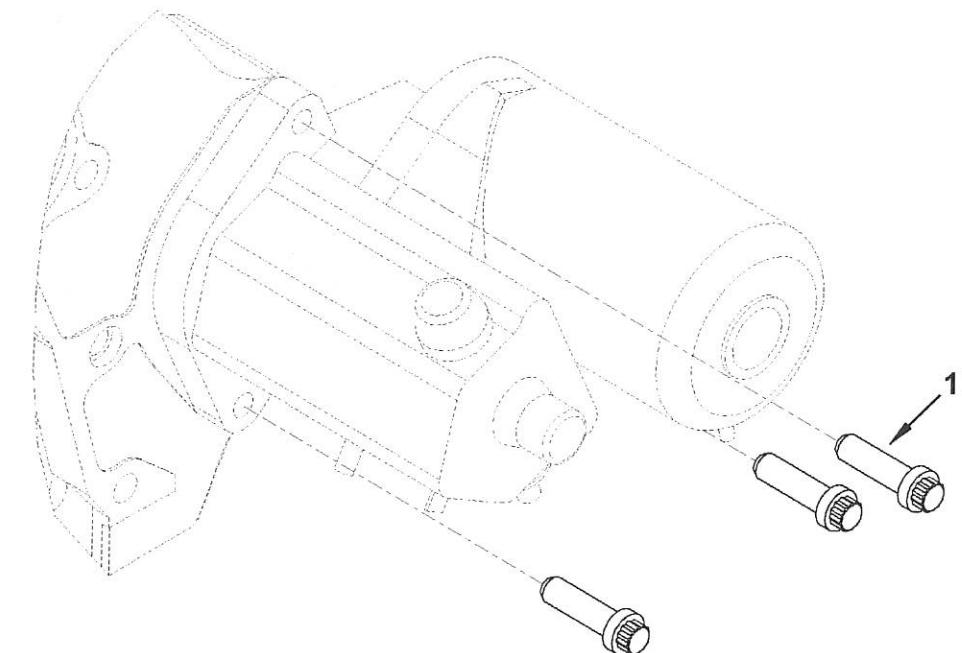
Ref No.	Part Number	Part Name	Req	Remarks
		GUARD PACKAGE OPTION SG9033		Guard Package Front Belt Guard for use With CAV AC5 RSM Alternators on all 4B Marine Engine Models and the top Outlet Exhaust 6B Marine Engine Models. Includes Assembly Note P/N 3920360.
1 2	3921807 3900630	Guard, Belt Screw, Hex Flange Head Cap	1 1	M8 X 1.25 X 20

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Group No. 13.05.1

Starter Motor Mounting

Option No. SM9702



sm900zg

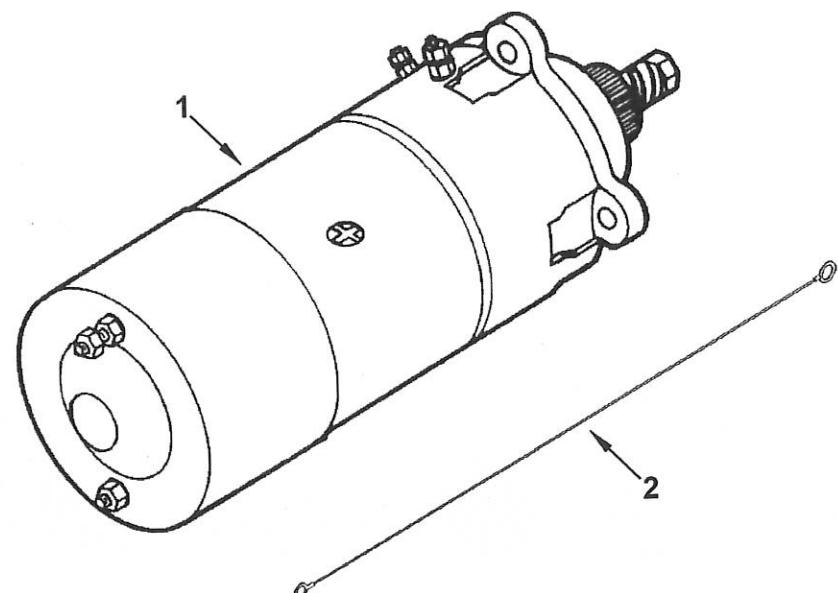
Ref No.	Part Number	Part Name	Req	Remarks
1	3968470	STARTER MOTOR MOUNTING OPTION SM9702 Screw, Twelve Point Cap	3	Starter Motor Mounting Clutch Type: Dry Mounting Capscrew or Nut Size: M10 Required Pilot Bore (mm): 88.9 Spacer Thickness (mm): 0.0 Starter Mount SAE: Chrysler Unique - 3 Bolt SAE #1 - 3 Bolt 90 Deg SAE #3 - 3 Bolt 120 Deg

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Group No. 13.05

Starting Motor

Option No. ST9032



st951gj

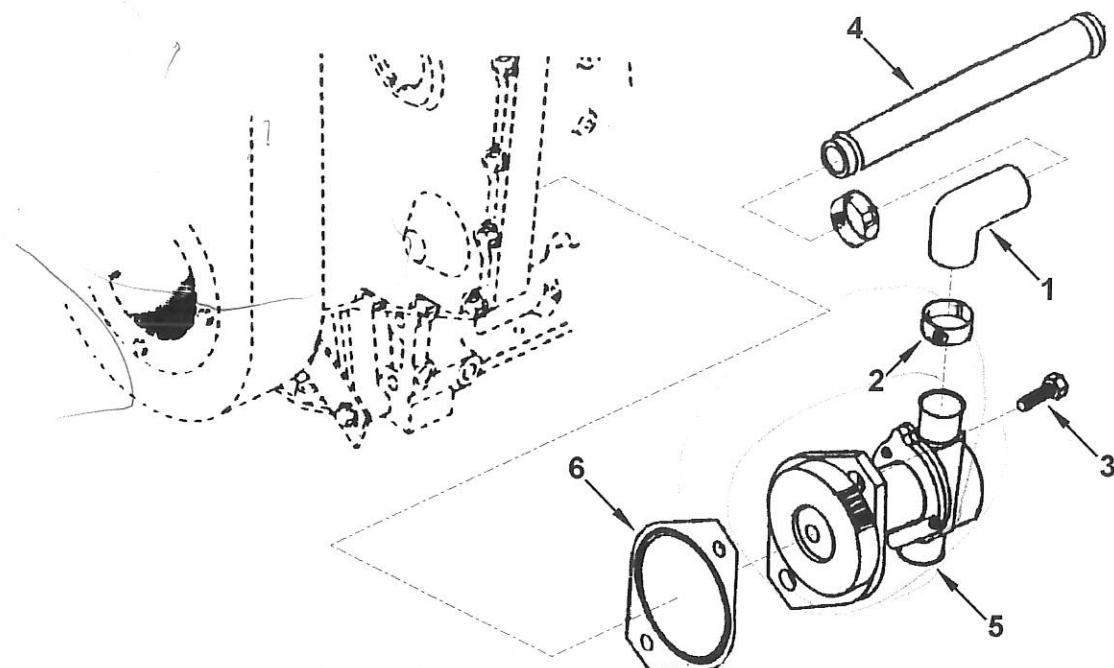
Ref No.	Part Number	Part Name	Req	Remarks
		STARTING MOTOR OPTION ST9032		<p>Starting Motor</p> <p>Manufacturer: CAV</p> <p>Volt: 24</p> <p>Model/Type: CA45</p> <p>Dia Pitch: 10/12</p> <p>Mt SAE: SAE #1 - 3 Bolt 90 Deg</p> <p>Wet/Dry: Dry</p> <p>Starter Style: Barrel</p> <p>Pilot Bore Diameter (mm): 88.90</p> <p>With Heat Shield: No</p> <p>Mounting Flange Thickness (mm): 11.60</p> <p>Angle Limitation High (Deg): 360</p> <p>Angle Limitation Low (Deg): 0</p> <p>Supply Method: Mounted</p> <p>Exposed Starter Length (mm): 252</p>
1 2	3975137 3866529	Motor, Starting Wire, Electrical	1 1	

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Group No. 08.11

Raw Water Pump

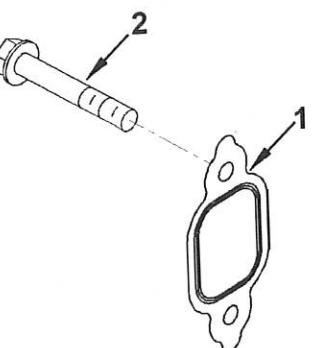
Option No. SW9018



sw900ga

Ref No.	Part Number	Part Name	Req	Remarks
		RAW WATER PUMP OPTION SW9018		<p>Raw Water Pump</p> <p>Manufacturer/Model: Sherwood M71</p> <p>Flow Rate GPM at RPM (8 PSI Back Pressure): 18 GPM @ 2522 RPM</p> <p>Drive Method: Accessory Drive Gear</p> <p>Outlet Flange: 101.2 (SAE B)</p> <p>Inlet OD: 31.75 mm</p> <p>Outlet OD: 31.75 mm</p> <p>Gear Oil Cooler Required: No</p> <p>Cooler Connection Tube ID: 1.25"</p>
1	188580	Hose, Elbow	1	
2	3922844	Clamp, Hose	2	
3	3910495	Screw, Hex Flange Head Cap	2	
4	3905067	Tube, Sea Water Pump	1	
5	3912019	Pump, Sea Water	1	
6	3008400	Gasket, Hydraulic Pump	1	
				M12 X 1.75 X 30
				Recon Equivalent 3912019 RX

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tb954gb

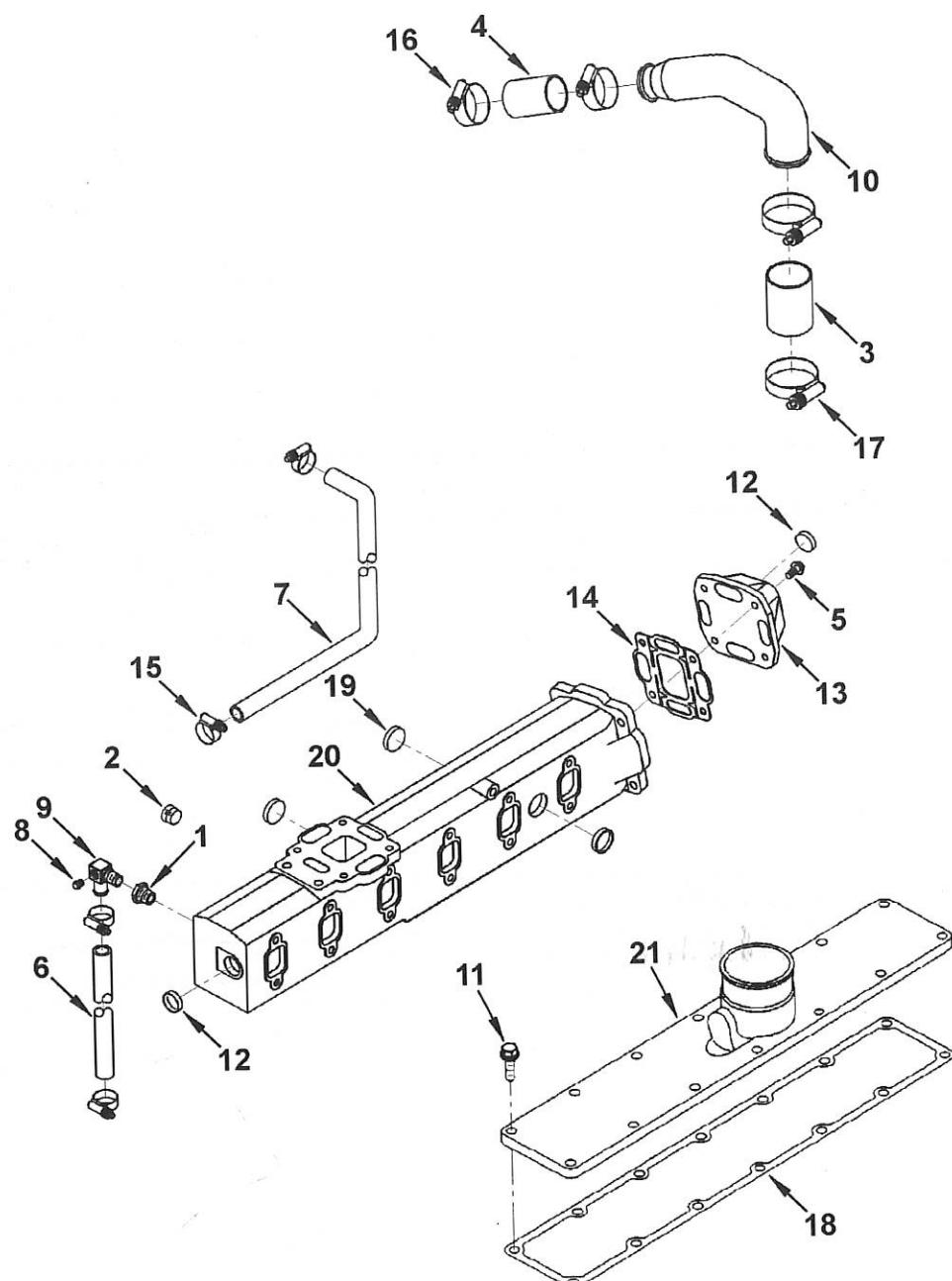
Ref No.	Part Number	Part Name	Req	Remarks
		TURBOCHARGER LOCATION OPTION TB9787		Turbocharger Location Horsepower Limitation: < = 200 Mounting Studs Provided: 0 Manifold Type: Wet Mounting Stud for Shipping Remote LF Included: No
1	3927154	Gasket, Exhaust Manifold	6	
2	3916518	Screw, Hex Flange Head Cap	12	M10 X 1.50 X 125

NOTES

Group No. 10.06.1

Exhaust Manifold

Option No. TB90035



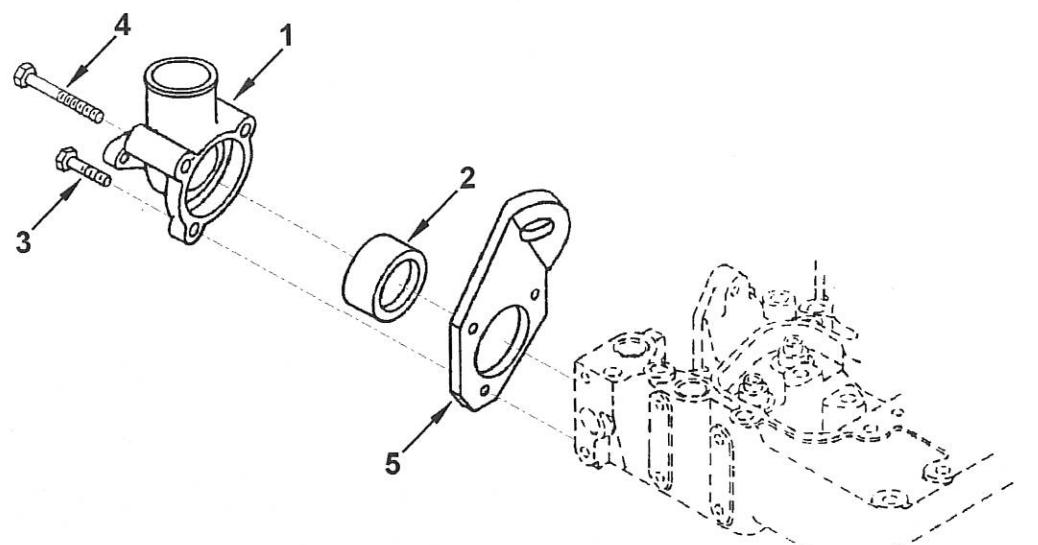
tb971gn

Group No. 10.06.1

Exhaust Manifold

Option No. TB90035

Ref No.	Part Number	Part Name	Req	Remarks
		EXHAUST MANIFOLD OPTION TB90035		Exhaust Manifold
1	S 982	Bushing, Reducing Pipe	1	Exhaust Outlet Location: HMFO
2	3008469	Plug, Pipe	1	Turbocharger Exhaust Location From FFOB (mm): 482
3	3897502	Hose, Plain	1	Exhaust Vertical From Crank CL (mm): 572
4	3897503	Hose, Plain	1	Exhaust Horizontal From Crank CL (mm): 168
5	3902460	Screw, Hex Flange Head Cap	4	Aspiration: Turbocharged
6	3905034	Hose, Plain	1	Crossover Routing: Low Rear
7	3905082 (3908225)	Hose, Plain	1	Oil Supply Routing: Outboard
8	3906619	Coupling, Hose	1	Exhaust Manifold Type: Wet
9	3908221	Plug, Pipe	1	Intake Cover Provided: Yes
10	3912023	Coupling, Elbow Hose	1	Unique Characteristics:
11	3918109	Tube, Air	1	5/8" Water Supply
12	3920946	Screw, Hex Flange Head Cap	1	Turbine Outlet Flange Type: Half Marmon
13	3007636 (3920945)	Connection, Water Transfer	1	Turbocharger Type: Non Wastegate
14	3921926	Plug, Expansion	1	Cylinder Head Type: Standard
15	3922842	Connection, Water Transfer	1	Base Turbocharger ID17 Number:
16	3922848	Gasket, Turbocharger	1	3528745
17	3922849	Clamp, Hose	4	3528761
18	3938152	Clamp, Hose	2	3528769
19	4019951	Clamp, Hose	2	The 3279246 and 3279245 Hoses may be Used to Replace the 3916438 and 3916437 Hoses.
20	3007636 (4019950)	Gasket, Int Manifold Cover	1	**This Option is for Marine Engines Only as it Contains the Exhaust Manifold in the Option Structure.**
21	3908086	Manifold, Exhaust	1	3/4 NPTF(Ext) X 1/2 NPTF(Int)
		Plug, Expansion	1	3/4 NPT
		Plug, Expansion	3	M10 X 1.50 X 25
		Manifold, Exhaust	1	1/8 NPT
		Cover, Intake Manifold	1	M8 X 1.25 X 25



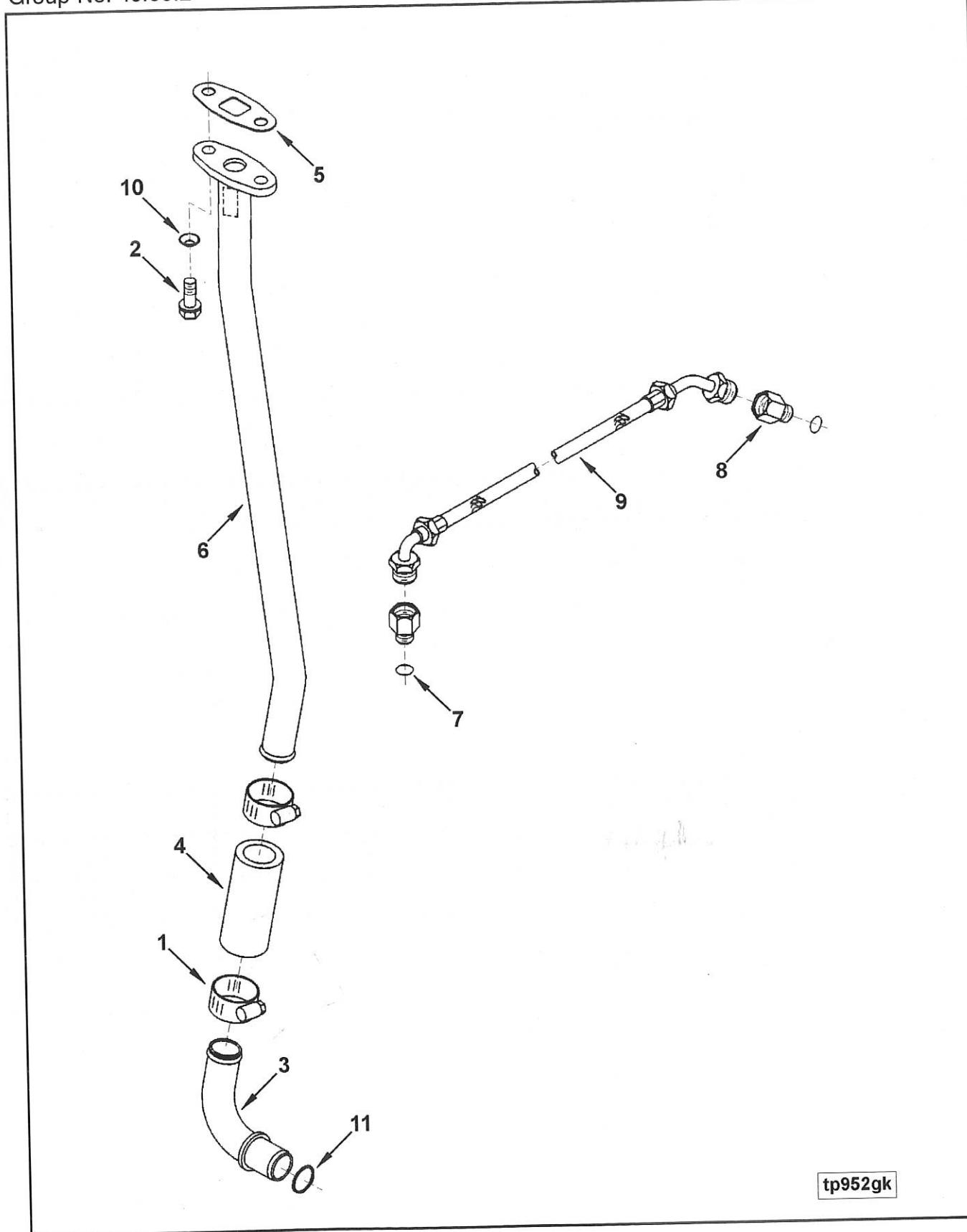
th900gb

Ref No.	Part Number	Part Name	Req	Remarks
		THERMOSTAT HOUSING OPTION TH9001		Thermostat Housing Thermostat Bore: 54.10 Outlet Type/OD (mm): 45.0 Outlet Direction: Vertical Bracket Direction: Vertical/Forward Aeration Method: Non Vented Tappings for Belt Tensioner: No
1	3285102	Housing, Thermostat	1	
2	3923331	Gasket, Thm Housing Cover	1	
3	3900632	Screw, Hex Flange Head Cap	1	
4	3926972	Screw, Hex Flange Head Cap	2	
5	3903757	Bracket, Lifting	1	M8 X 1.25 X 35

Group No. 10.06.2

Turbocharger Plumbing

Option No. TP9714



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Group No. 10.06.2

Turbocharger Plumbing

Option No. TP9714

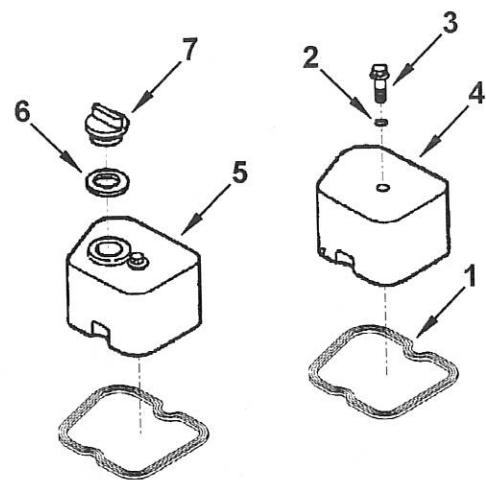
Ref No.	Part Number	Part Name	Req	Remarks
TURBOCHARGER PLUMBING OPTION TP9714				
1	3937613	Clamp, Hose	2	Turbocharger Plumbing
2	3900630	Screw, Hex Flange Head Cap	2	Turbo & Exhaust Out Location: HMFO
3	3931973	Tube, Tur Oil Drain	1	Oil Filter Mounting Location: On Engine
4	3286499	Hose, Plain	1	Turbo Oil Supply Hose Routing: Outboard
5	3937706	Gasket, Oil Drain	1	Exhaust Manifold Type: Wet
6	3918587	Connection, Tur Oil Drain	1	
7	3919687	Connector, Female	2	
8	3037236 (3284244)	Seal, O Ring	1	
9	3909548	Connector, Female	1	
10	3924389	Hose, Flexible	1	
11	3931824	Washer, Sealing	2	
		Seal, O Ring	1	7.2 mm

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Group No. 03.01.1

Valve Cover

Option No. VC9005



vc900gh

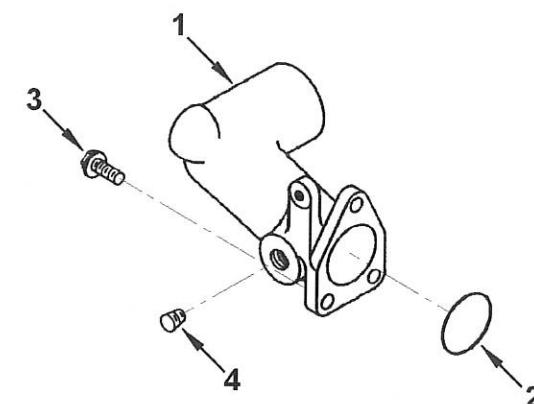
Ref No.	Part Number	Part Name	Req	Remarks
		VALVE COVER OPTION VC9005		Valve Cover Oil Fill Cylinder: Cylinder 1 Noise Supression Provision: No Studded Capscrew Location: None BZL may use P/N 3967202 Instead of P/N 3935449 DEP may Substitute P/N 3914136 in Place of P/N P/N 3901895 Filler Cap.
1	3930906	Gasket, Valve Cover	6	
2	3935449	Isolator, Noise	6	
3	3907049	Screw, Hex Flange Head Cap	6	
4	3928404	Cover, Valve	5	
5	3928405	Cover, Valve	1	
6	3936876	Seal, Rectangular Ring	1	
7	3901895	Cap, Filler	1	M8 X 1.25 X 21

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Group No. 08.07.1

Water Inlet Connection

Option No. WI9010



wi900gk

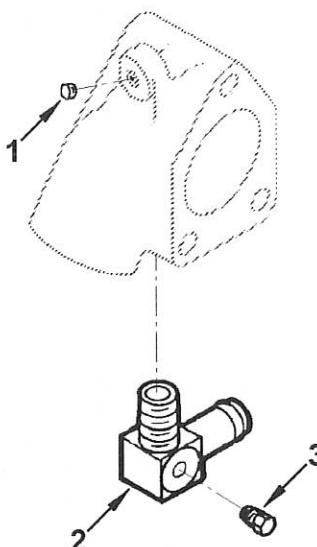
Ref No.	Part Number	Part Name	Req	Remarks
		WATER INLET CONNECTION OPTION WI9010		Water Inlet Connection Inlet Connection OD (mm): 58.00 Connection Type: Beaded Connection Orientation: Rearward Contains Mounting Pad for Freon Compressor: No Attachment for Low Profile Tensioner: No
1	3907007	Connection, Water Inlet	1	
2	3906697	Seal, O Ring	1	
3	3902460	Screw, Hex Flange Head Cap	3	M10 X 1.50 X 25
4	3008468	Plug, Pipe	1	1/2 NPT

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Group No. 08.07.1

Water Inlet Connection

Option No. WI9702



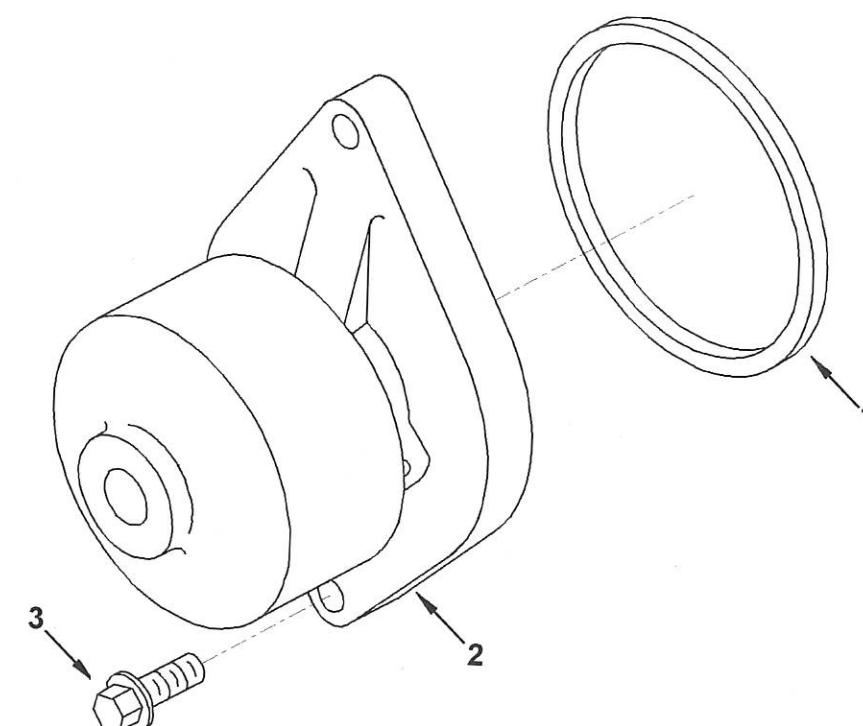
wi910ga

Ref No.	Part Number	Part Name	Req	Remarks
WATER INLET CONNECTION OPTION WI9702				
1	3008468 (3908225)	Plug, Pipe	1	Water Inlet Connection
2	3908221	Coupling, Elbow Hose	1	Plug and Connection for use in Water Inlet Connection to be Used With Water Cooled Exhaust Manifold.
3	3906619	Coupling, Elbow Hose	1	1/2 NPT
		Plug, Pipe	1	1/8 NPT

Group No. 08.01

Water Pump

Option No. WP9031



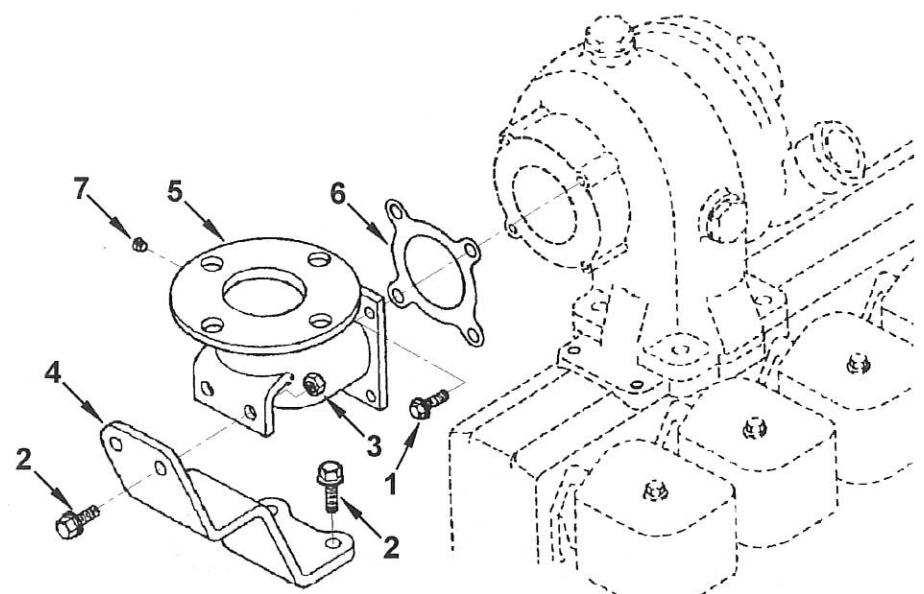
wp950ga

Ref No.	Part Number	Part Name	Req	Remarks
WATER PUMP OPTION WP9031				
1	3903297	Seal, O Ring	1	Water Pump
2	3285410	Pump, Water	1	Pulley Type: Standard
3	3093730	Screw, Hex Flange Head Cap	2	Pulley Diameter (mm): 88.00
				Unique Characteristics: Revised Weep Chamber
				P/N 3903297 O-Ring Seal is Interchangeable With P/N 3906698.
				TCL may use P/N 3900227 in Place of P/N 3941981.
				KCEC may use P/N 3283602 in Place of P/N 3285410.

Group No. 11.01.1

Exhaust Connection

Option No. XS9039



xs910gg

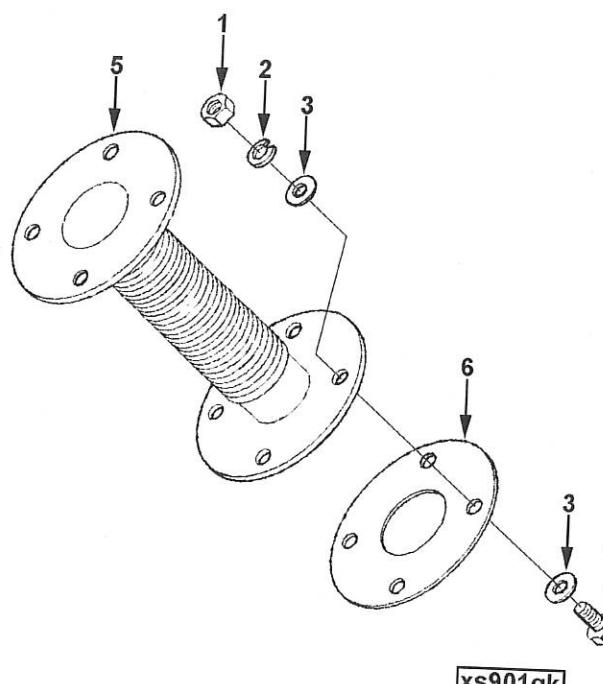
Ref No.	Part Number	Part Name	Req	Remarks
EXHAUST CONNECTION OPTION XS9039				
Exhaust Connection				
1	3900630	Exhaust Manifold Type: Wet		
2	3902460	Exhaust Pipe Diameter: 3"		
3	3902662	Connection Orientation: 90 Deg Vertical		
4	3905071	Mounting Flange to Turbo: 1/2 Marmon		
5	3911862	Turbocharger Type: Non Wastegate		
6	3921961	Restricted Turbocharger Location: HMFO		
7	3906619	Restricted Aspiration:		
		Turbocharged		
		Jacket Water Aftercooled		
		M8 X 1.25 X 20	4	
		M10 X 1.50 X 25	4	
		M10 X 1.50	2	
		Brace, Exh Out Connection	1	
		Connection, Exhaust Outlet	1	
		Gasket, Exh Out Connection	1	
		Plug, Pipe	1	1/8 NPT

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Group No. 11.01.1

Exhaust Outlet Connection

Option No. XS9048



xs901gk

Ref No.	Part Number	Part Name	Req	Remarks
EXHAUST OUTLET CONNECTION OPTION XS9048				
Exhaust Outlet Connection				
1	S 210	Nut, Regular Hexagon	4	
2	S 603	Washer, Lock	4	
3	S 658	Washer, Plain	8	
4	138042	Screw, Hexagon Head Cap	8	
5	3913469	Connection, Exhaust Outlet	4	
6	3913470	Gasket, Exh Out Connection	1	5/8 - 18 X 1 1/2"

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Group No. 17.01

Lower Engine Gasket Set

Ref No.	Part Number	Part Name	Req	Remarks
LOWER ENGINE GASKET SET				
3802376	Set, Lower Eng Gasket			
154916	Gasket, Hydraulic Pump	1		
3008400	Gasket, Hydraulic Pump	1		
3284623	Gasket, Push Rod Cover	1		
3901020	Nozzle, Piston Cooling	6		
3902425	Washer, Sealing	2		
3903475	Seal, Rectangular Ring	1		
3905595	Gasket, Timing Pin Housing	1		
3906696	Seal, Rectangular Ring	1		
3906697	Seal, Rectangular Ring	1		
3906698	Seal, Rectangular Ring	1		
3908096	Gasket, Cover Plate	1		
3912473	Seal, Rectangular Ring	1		
3913894	Seal, O Ring	1		
3915772	Seal, Rectangular Ring	1		
3915800	Seal, Rectangular Ring	1		
3916042	Gasket, Hydraulic Pump	1		
3918673	Gasket, Gear Cover	1		
3920773	Washer, Sealing	1		
3928759	Seal, Grommet	8		
3929792	Gasket, Filter Head	1		
3933261	Shield, Dust	1		
3937111	Front Seal Service Kit	1		
3937214	Nozzle, Piston Cooling	6		
3938156	Gasket, Gear Housing	1		
3938157	Gasket, Flange	1		
3938159	Gasket, Rear Cover	1		
3939258	Gasket, Cover Plate	1		
3939355	Gasket, Fuel Pump	1		
3942914	Gasket, Oil Cooler Core	1		
3942915	Gasket, Filter Head	1		
3959052	Gasket, Oil Pan	1		
4089342	Seal, Oil	1		

Group No. 17.01

Service Kits

Ref No.	Part Number	Part Name	Req	Remarks
SERVICE KITS				
	3933220	Kit, Cyl Block Hardware	A/R	
	3802820	Kit, Wear Sleeve	A/R	
	3926126	Kit, Wear Sleeve	A/R	Front Seal Rear Seal
	3802325	Injector	A/R	
	3802355	Valve, Intake	A/R	
	3802356	Valve, Exhaust	A/R	
	3900960	Kit, Oil Pan Service	A/R	
MAIN BEARINGS SETS				
	3802070	Set, Main Brg (STD)	A/R	
	3802071	Set, Main Brg(.010)	A/R	
	3802072	Set, Main Brg(.020)	A/R	
	3802073	Set, Main Brg(.030)	A/R	
	3802074	Set, Main Brg(.040)	A/R	
	3800330	Bearing, Crankshaft Thrust	A/R	
	3800331	Bearing, Crankshaft Thrust	A/R	
PISTON RING SETS				
	3802421	Set, Piston Ring	A/R	
	3802422	Set, Piston Ring	A/R	
	3802234	Set, Piston Ring	A/R	
PISTON KITS				
	3802100	Kit, Engine Piston	A/R	
	3802102	Kit, Engine Piston	A/R	
	3802104	Kit, Engine Piston	A/R	
SERVICE ITEMS PURCHASED FROM FLEETGUARD				
	(3931063)	Filter, Fuel	A/R	Purchase From Fleetguard
	(3937743)	Cartridge, Lub Oil Filter	A/R	Purchase From Fleetguard

Group No. 17.01

Upper Engine Gasket Set

Ref No.	Part Number	Part Name	Req	Remarks
		UPPER ENGINE GASKET SET		
		STANDARD SIZE		
4089649	Set, Upper Engine Gasket		1	
3283335	Gasket, Cylinder Head		1	
3823921	Gasket, Hydraulic Pump		1	
3883284	Seal, O Ring		1	
3900808	Seal, Injector		6	
3901356	Gasket, Turbocharger		1	
3902425	Washer, Sealing		1	
3903380	Seal, Banjo Connector		6	
3906694	Seal, Rectangular Ring		1	
3906773	Washer, Sealing		1	
3910824	Seal, O Ring		6	
3912220	Gasket, Exh Out Connection		1	
3918188	Washer, Sealing		2	
3919358	Sleeve, Injector		6	
3923261	Seal, Injector		6	
3923331	Gasket, Thm Housing Cover		1	
3929881	Gasket, Exhaust Manifold		6	
3930324	Seal, Injector		6	
3930906	Gasket, Valve Cover		6	
3935449	Isolator, Noise		6	
3936876	Seal, Rectangular Ring		1	
3937142	Seal, Injector		6	
3937706	Gasket, Oil Drain		1	
3938152	Gasket, Int Manifold Cover		1	
3957912	Seal, Valve Stem		12	
3963988	Washer, Sealing		2	

Group No. 17.01

Upper Engine Gasket Set

Ref No.	Part Number	Part Name	Req	Remarks
		UPPER ENGINE GASKET SET		
		.25 MM OVERSIZE		
4089650	Set, Upper Engine Gasket		1	
3283337	Gasket, Cylinder Head		1	
3823921	Gasket, Hydraulic Pump		1	
3883284	Seal, O Ring		1	
3900808	Seal, Injector		6	
3901356	Gasket, Turbocharger		1	
3902425	Washer, Sealing		1	
3903380	Seal, Banjo Connector		6	
3906694	Seal, Rectangular Ring		1	
3906773	Washer, Sealing		1	
3910824	Seal, O Ring		6	
3912220	Gasket, Exh Out Connection		1	
3918188	Washer, Sealing		2	
3919358	Sleeve, Injector		6	
3923261	Seal, Injector		6	
3923331	Gasket, Thm Housing Cover		1	
3929881	Gasket, Exhaust Manifold		6	
3930324	Seal, Injector		6	
3930906	Gasket, Valve Cover		6	
3935449	Isolator, Noise		6	
3936876	Seal, Rectangular Ring		1	
3937142	Seal, Injector		6	
3937706	Gasket, Oil Drain		1	
3938152	Gasket, Int Manifold Cover		1	
3957912	Seal, Valve Stem		12	
3963988	Washer, Sealing		2	

Upper Engine Gasket Set

Ref No.	Part Number	Part Name	Req	Remarks
UPPER ENGINE GASKET SET				
.50 MM OVERSIZE				
4089651	Set, Upper Engine Gasket		1	
3283339	Gasket, Cylinder Head		1	
3823921	Gasket, Hydraulic Pump		1	
3883284	Seal, O Ring		1	
3900808	Seal, Injector		6	
3901356	Gasket, Turbocharger		1	
3902425	Washer, Sealing		1	
3903380	Seal, Banjo Connector		6	
3906694	Seal, Rectangular Ring		1	
3906773	Washer, Sealing		1	
3910824	Seal, O Ring		6	
3912220	Gasket, Exh Out Connection		1	
3918188	Washer, Sealing		2	
3919358	Sleeve, Injector		6	
3923261	Seal, Injector		6	
3923331	Gasket, Thm Housing Cover		1	
3929881	Gasket, Exhaust Manifold		6	
3930324	Seal, Injector		6	
3930906	Gasket, Valve Cover		6	
3935449	Isolator, Noise		6	
3936876	Seal, Rectangular Ring		1	
3937142	Seal, Injector		6	
3937706	Gasket, Oil Drain		1	
3938152	Gasket, Int Manifold Cover		1	
3957912	Seal, Valve Stem		12	
3963988	Washer, Sealing		2	

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