

Customer Service Information

This standard Parts Catalog contains parts information for the following Cummins Engine Model(s):

QSX15 Generator Drive

D103003GX03

CPL 8081, CPL 2900

Certain basic engine components have been matched to give optimum performance to your engine. The part numbers listed in this catalog for these components are for a standard engine configuration. When ordering any of the Control Parts List (CPL) components listed below, please order by part description and engine serial number. Reference to the CPL number stamped on the engine data (name) plate will also help identify the proper service parts for your engine.

Control Parts List (CPL) Components

Camshaft
Cylinder Head
Injector

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Page 65, 73
Page 69, 77

Engine Piston
Turbocharger
Exhaust Manifold

Page 85, 89
Page 71, 79
Page 100

USER INFORMATION

- Parts numbers appearing in () are for identification purposes only and should not be used when ordering service replacement parts.
- The reference numbers appearing on the art pages is for publication use only.
- Assembly content is shown by part number indentation.
- Options are engineered production part groupings, specifically used for compiling engine orders.
- Option numbers are for reference only and are not sold for service.
- Use assembly and not option content to determine service parts replacement.

ALWAYS SPECIFY ENGINE MODEL AND SERIAL NUMBER WHEN ORDERING PARTS FROM THIS CATALOG

Engine Model _____ Engine Serial No. _____

MFG Make _____ Model _____ Chassis No. _____

Fuel Pump Assembly No. _____ Injector No. _____

Belt, Fan _____ Belt, Water Pump _____ Belt, Gen. _____

Element, Fuel Filter _____ Full Flow Lub. Filter _____

Air Cleaner _____ By-Pass Lub. Filter _____

Special Equipment _____

Product Identification Information

Data plates should be referred for parts identification.

1. ENGINE DATA PLATE

Engine No.	Adjust. HP	at	RPM	Family	Cummins	Warranty St. Date
Model	Adjust. HP	at	RPM	Family		
S.O. No.	Valve Lash Code	Int.	Est.	CPL	Family	
Date of Mfg.	Int. Set	Manufactured by				
Ref. No.						

1

2

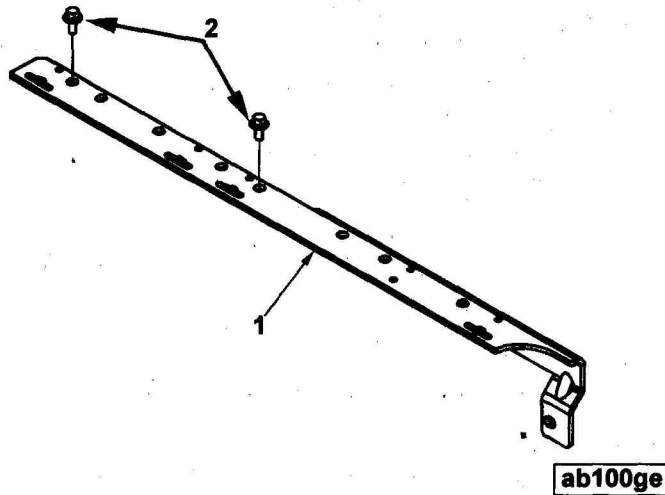
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1. Shop order number
2. Model designation
3. Engine serial number
4. Control parts list

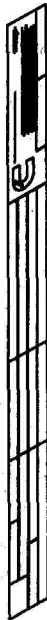
This catalog was compiled by Rita Wheeler with Strand Associates, Inc.

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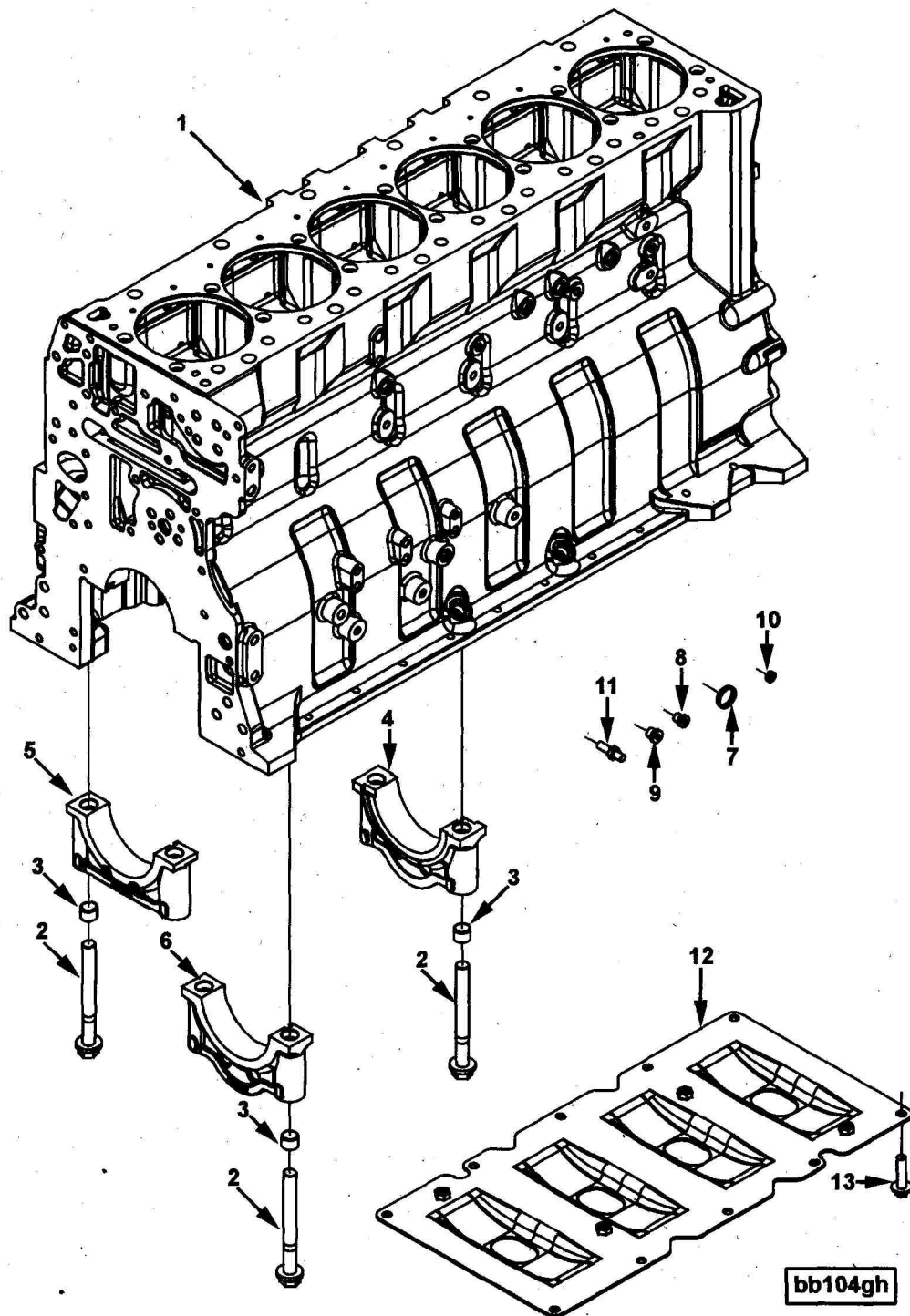


Ref No.	Part Number	Part Name	Req	Remarks
		ACCESSORY SUPPORT OPTION AB1701		
1	3100182	Bracket, Cus Accessory	1	Bracket located on the top left side of engine. No fuel system or electronic control module covers are included.
2	3900629	Screw, Hex Flange Head Cap	2	M8 x 1.25 x 16

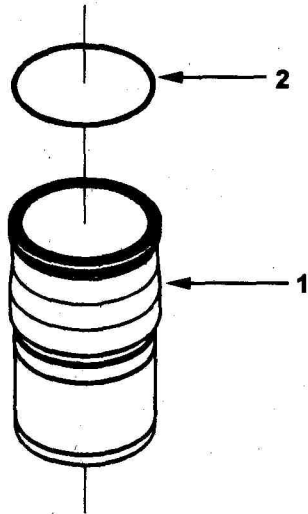


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Ref No.	Part Number	Part Name	Req	Remarks
1	3100112 (4985530)	Dataplate Tape	1 1	AGENCY APPROVAL OPTION AP1037 Certified By: Non-Certified Application: Corporate Generator Set Engine Only Centinel: No

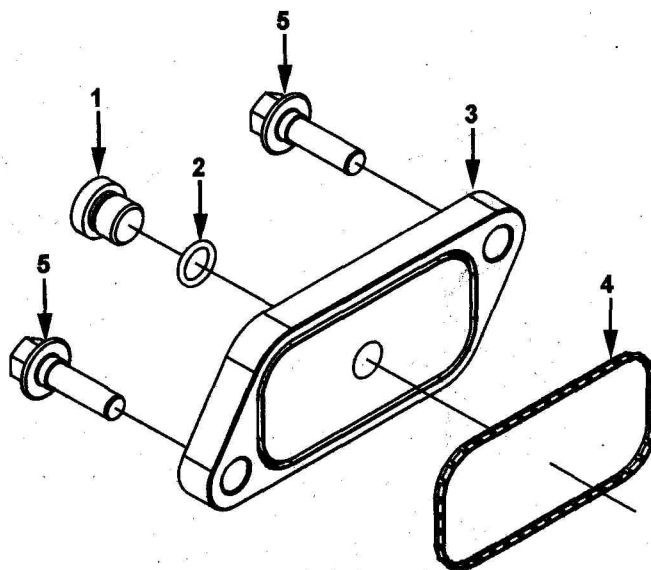


Ref No.	Part Number	Part Name	Req	Remarks
		CYLINDER BLOCK OPTION BB1844		Cylinder Block Application: Power Generation CPL Family: ISX2 or ISX3 Gear Housing Accessory Mounting Hole Size: 10mm Lower Idler Gear: Scissors Type Cast Iron Gear Cover Mounting Provision: Yes Thermostat Housing Compatible: Dual Thermostat Cylinder Block Plumbing Hardware Structured: In Cylinder Block Plumbing Option
1	4965679 (4965678)	Block, Cylinder	1	
2	3678506	Block, Cylinder	14	
3	3678507	Screw, Hex Flange Head Cap	14	
4	(3680246)	Dowel, Ring	1	
5	(3688547)	Cap, Main Bearing	1	
6	(3688549)	Cap, Main Bearing	5	
7	3007636	Cap, Main Bearing	1	
8	3678610	Plug, Expansion	1	
9	3678921	Plug, Threaded	2	
10	3679334	Plug, Threaded	1	
11	3681386	Plug, Expansion	1	
12	3680425	Stud	1	
13	3680781	Plate, Cyl Block Stiffener	10	
		Screw, Hex Flange Head Cap		
	4955719	Kit, Cylinder Block	1	



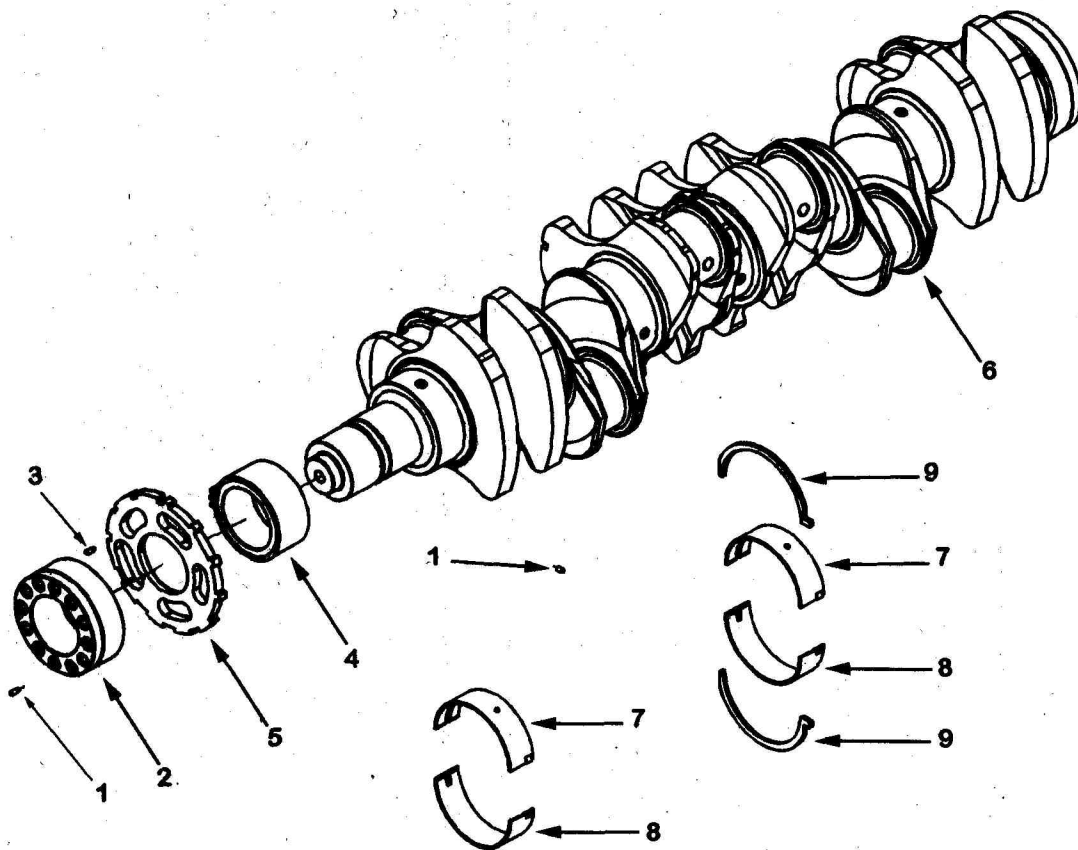
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Ref No.	Part Number	Part Name	Req	Remarks
1 2	4089153 (4101507) 3678738	CYLINDER LINER KIT OPTION BB1844 Kit, Cylinder Liner Liner, Cylinder Seal, O Ring	1 6 6	Serviced as 4089153.



bb104gb

Ref No.	Part Number	Part Name	Req	Remarks
		COVER PLATE OPTION BB1844		
1	3678921 (3678922)	Plug, Threaded	1	
2	3678912	Plug, Threaded	1	
3	3684350	Seal, O Ring	1	
4	3683607	Plate, Cover	1	
5	3903112	Seal, Water	1	
		Screw, Hex Flange Head Cap	2	M10 x 1.50 x 30



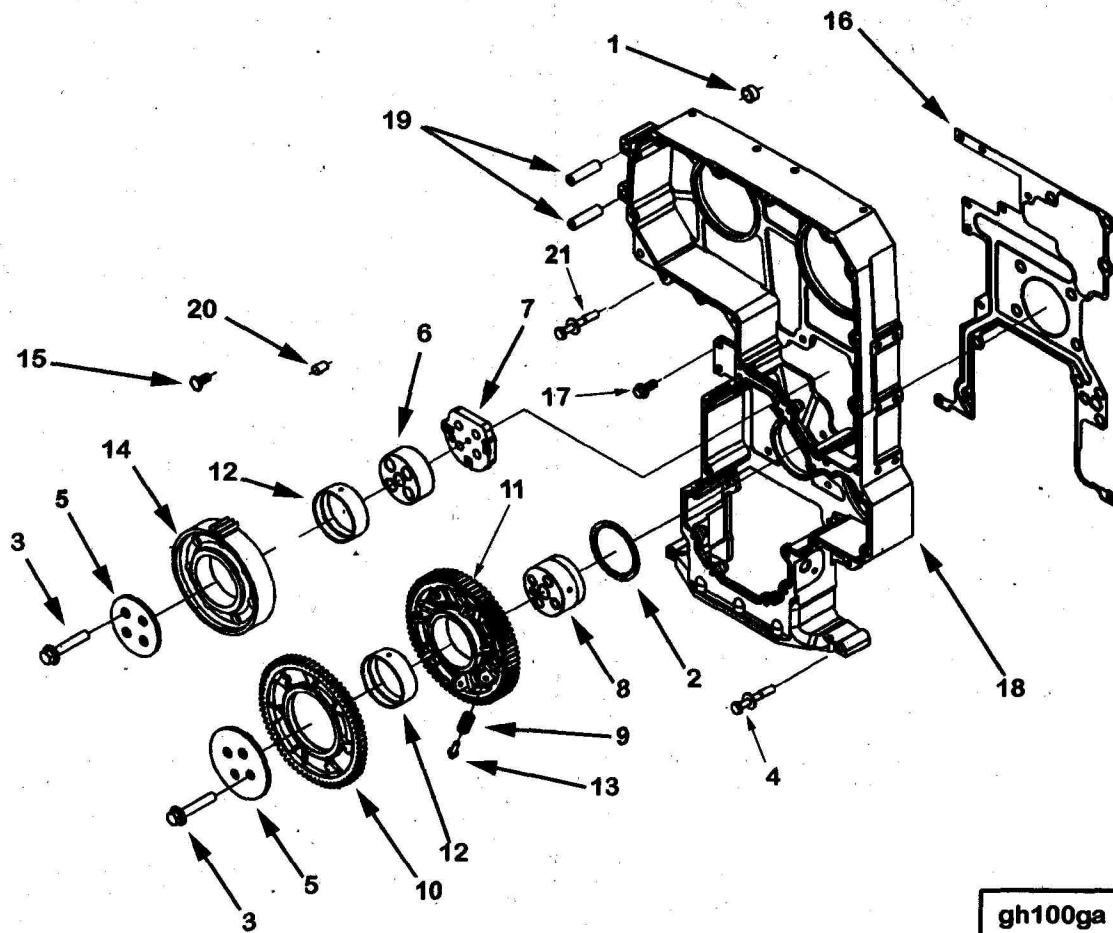
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Group No. 01.02

Crankshaft

Option No. BB1844

Ref No.	Part Number	Part Name	Req	Remarks
		CRANKSHAFT		
		OPTION BB1844		
	4925762	Crankshaft, Engine	1	
1	3068935	Dowel, Pin	2	
2	3680503	Adapter, Crankshaft	1	
3	3681054	Dowel, Pin	1	
4	3680542	Gear, Crankshaft	1	
5	3681194	Ring, Speed Indicator	1	
6	(4925761)	Crankshaft, Engine	1	
	3800298	Set, Main Bearing (std)		
7	(3678555)	Bearing, Main	7	Serviced as 3800298.
8	(3678556)	Bearing, Main	7	
9	(3680202)	Bearing, Crankshaft Thrust	4	



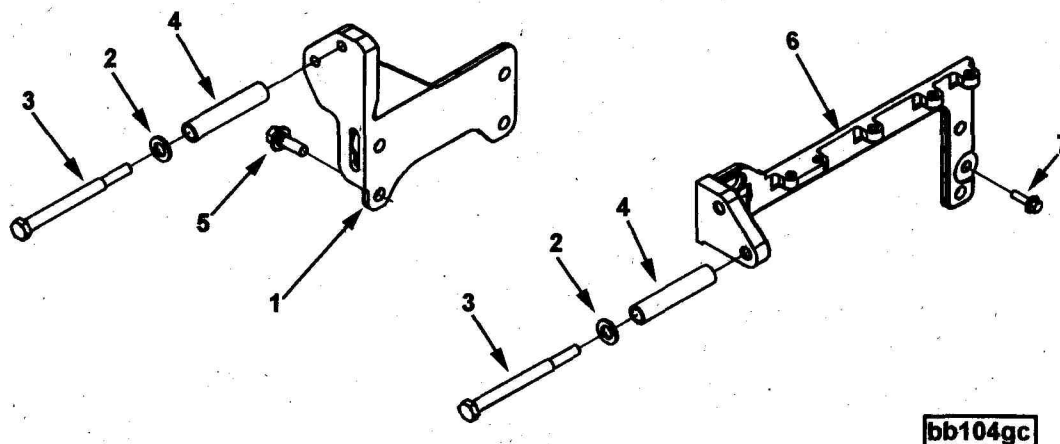
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Group No. 01.09

Gear Housing/Idler Gears

Option No. BB1844

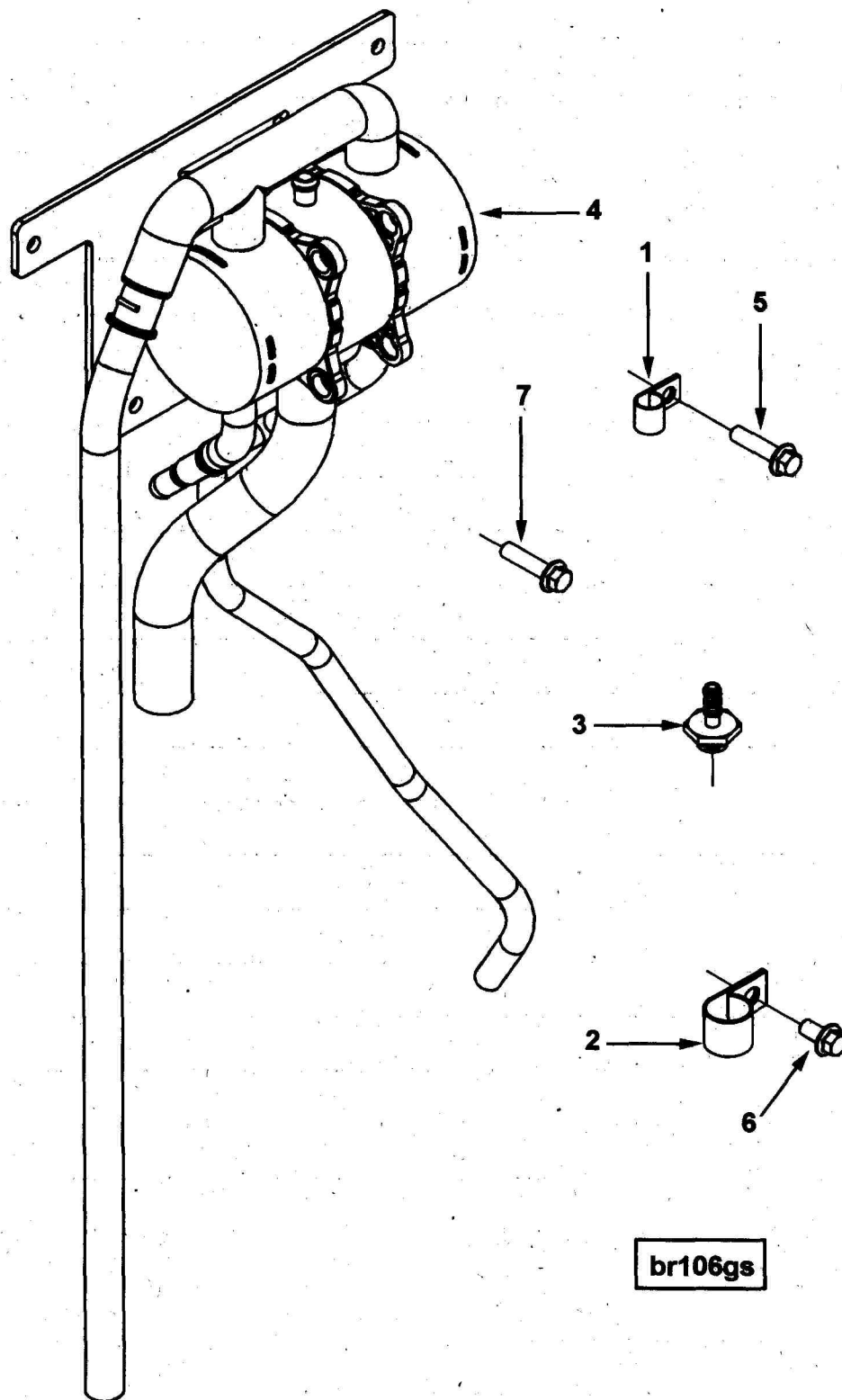
Ref No.	Part Number	Part Name	Req	Remarks
		GEAR HOUSING/IDLER GEARS		
		OPTION BB1844		
1	3678871	Dowel, Ring	2	
2	3681149	Bearing, Thrust	1	
3	3681174	Screw, Hex Flange Head Cap	8	
4	3412921	Screw, Hex Flange Head Cap	3	
5	3681273	Retainer, Gear	2	
6	3680239	Shaft, Idler	1	
7	3680240	Spacer, Mounting	1	
8	3680260	Shaft, Idler	1	
	3680546	Gear, Idler		
9	3680212	Spring, Compression	7	
10	3680544	Gear, Idler	1	
12	3680201	Bushing	1	
13	3900631	Screw, Hex Flange Head Cap	7	M8 x 1.25 x 25
	3681144	Gear, Idler		
12	3680201	Bushing	1	
14	(3681143)	Gear, Idler	1	
15	3680866	Screw, Hex Flange Head Cap	1	
16	4089757	Gasket, Gear Housing	1	
17	3680882	Screw, Captive Washer Cap	15	
	4059393	Housing, Gear		
18	(4059383)	Housing, Gear	1	
19	3680086	Spacer, Mounting	2	
20	3900257	Dowel, Pin	4	
21	3681268	Screw, Captive Washer Cap	1	



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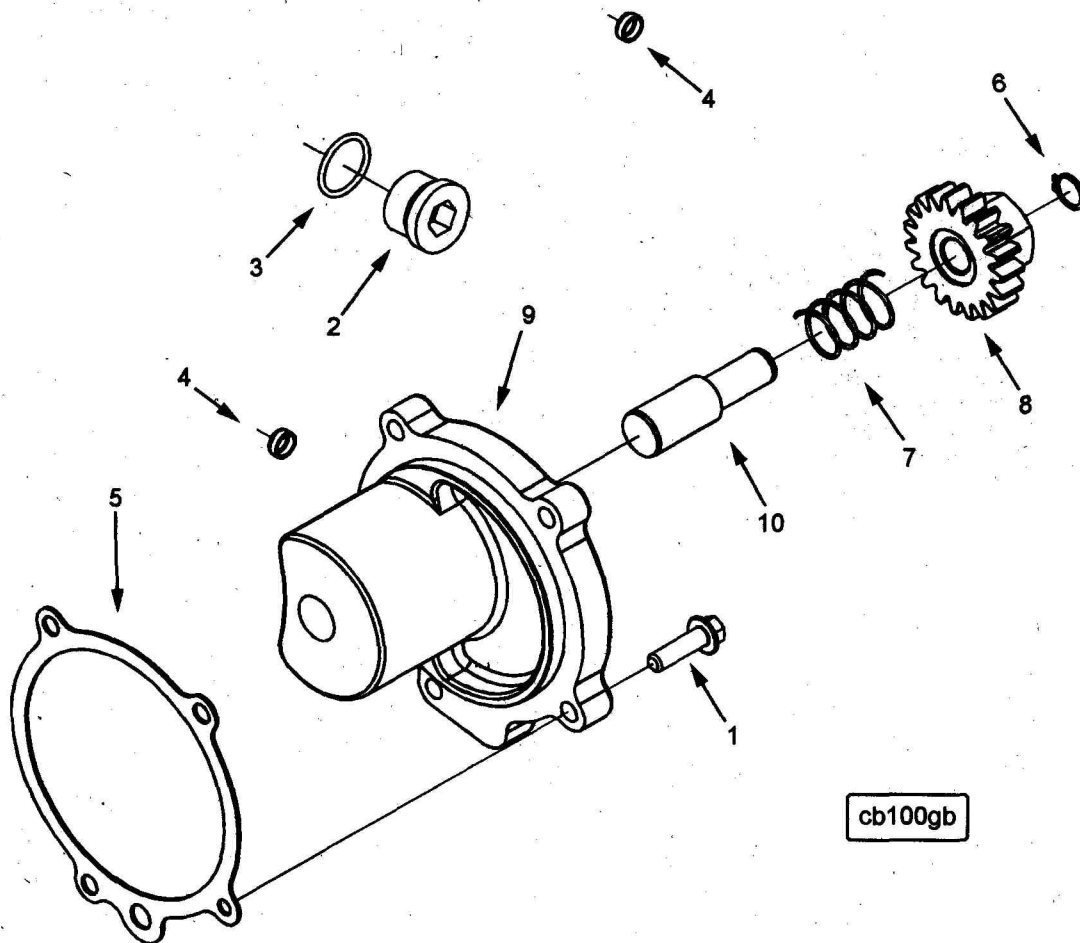
Ref No.	Part Number	Part Name	Req	Remarks
GEAR HOUSING BRACE OPTION BB1844				
1	4972810	Brace, Gear Housing	1	
2	3035806	Washer, Plain	4	M12
3	3093773	Screw, Hexagon Head Cap	4	
4	3681584	Spacer, Mounting	4	
5	3900637	Screw, Hex Flange Head Cap	1	M12 x 1.75 x 35
6	3100196	Brace, Gear Housing	1	
7	3902460	Screw, Hex Flange Head Cap	2	M10 x 1.50 x 25
	69465	Clip	1	

NOTES

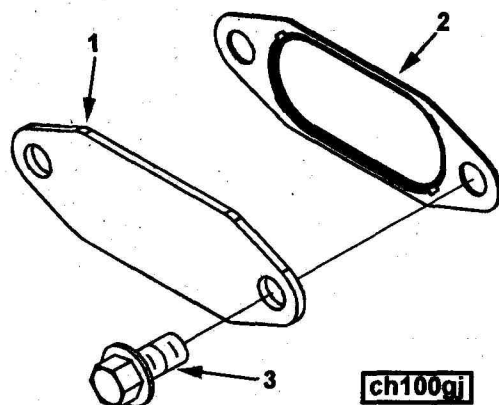


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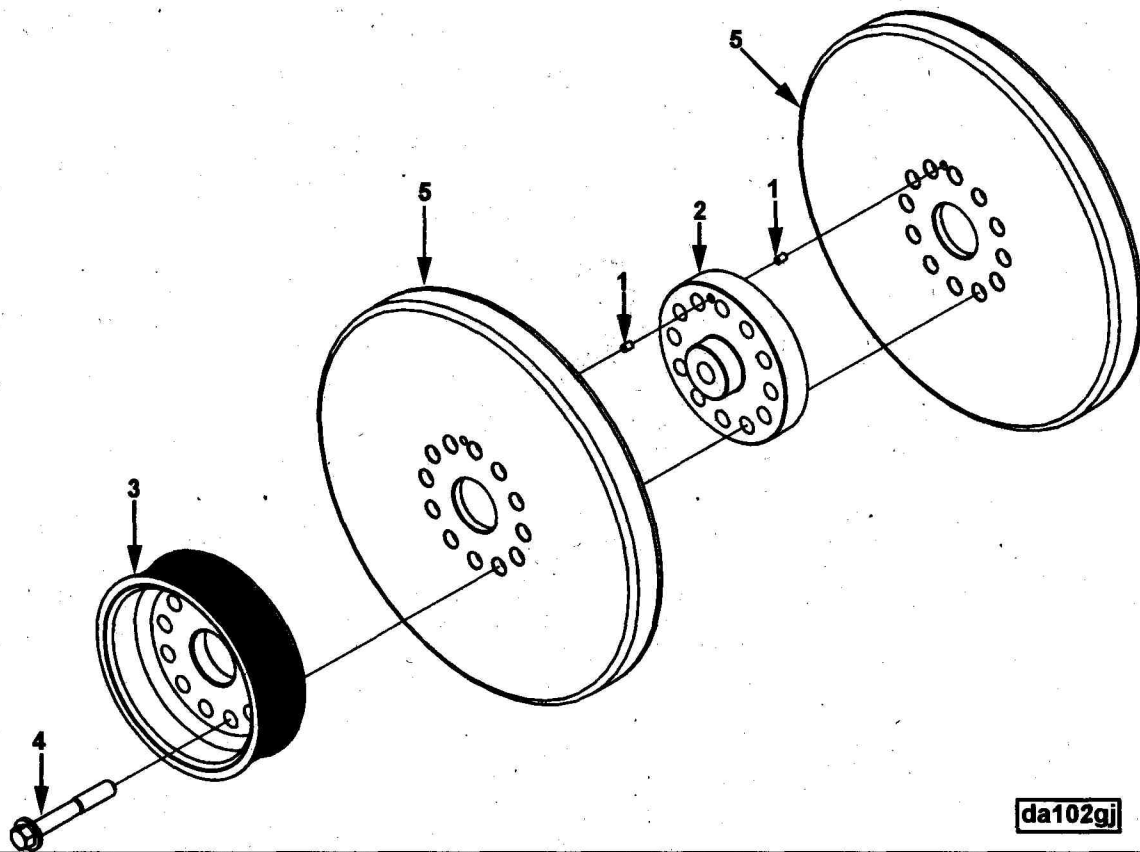
Ref No.	Part Number	Part Name	Req	Remarks
		CRANKCASE BREATHER OPTION BR1250		Crankcase breather Provides a dual impactor crankcase breather located high on the front left side of the engine block. Approximate coordinate location from horizontal centerline of crankshaft: 300mm From vertical centerline of crankshaft: 550mm From front face of block: 175mm Option includes all seals, tubing and hardware for crankcase breather and cover plate for right side rear oil fill. No oil fill is provided in this option. Angularity limits: 5 degrees front down 15 degrees front up 15 degrees side-to-side
1	68425	Clip	1	
2	3048292	Clip	1	
3	3102467	Coupling, Plain Hose	1	
4	3102665	Breather, Crankcase	1	
5	3903464	Screw, Hex Flange Head Cap	1	M10 X 1.50 X 40.
6	3903990	Screw, Hex Flange Head Cap	1	M10 x 1.50 x 20
7	3900631	Screw, Hex Flange Head Cap	4	M8 x 1.25 x 25



Ref No.	Part Number	Part Name	Req	Remarks
		ENGINE BARRING DRIVE OPTION CB1704		Engine Barring Drive Provides an engine barring device and 3 plugs are added in the absence of an air compressor or hydraulic drive. The barring device is provided in the accessory drive location on the backside of the gear housing left side of engine. Approximate Coordinate Location from Horizontal Centerline of Crankshaft: 166mm From Vertical Centerline of Crankshaft: 224mm From Front Face of Block: 0mm The barring device is a 2:1 reduction and requires a 1.5 inch (38.1mm) standard drive socket.
1	3903464	Screw, Hex Flange Head Cap	4	
	3678838	Plug, Threaded	1	
2	(3678845)	Plug, Threaded	1	
3	3678846	Seal, O Ring	1	
4	3679334	Plug, Expansion	2	
5	4965690	Gasket, Acc Drive Support	1	
	3681704	Device, Engine Barring	1	
6	102243	Ring, Retaining	1	
7	3681425	Spring, Compression	1	
8	3681702	Gear, Engine Barring	1	
	3681703	Housing, Engine Barring	1	
9	3681698	Housing, Engine Barring	1	
10	3681701	Shaft, Barring	1	

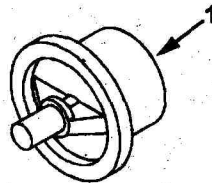


Ref No.	Part Number	Part Name	Req	Remarks
		COO HEATER STARTING AID OPTION CH1011		Coolant Heater Starting Aid Heater Element Supplier: None
1	3684351	Plate, Cover	1	
2	3684337	Gasket, Heater	1	
3	3093957	Screw, Hex Flange Head Cap	2	

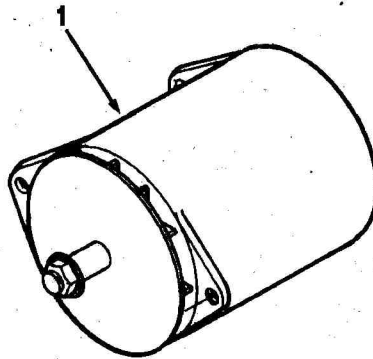


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Ref No.	Part Number	Part Name	Req	Remarks
		VIBRATION DAMPER OPTION DA1229		Vibration Damper Intended Drive: Belt Driven Fan or Off Engine Customer Driven Fan Includes Two Viscous Vibration Dampers and Crankshaft Pulley with no front PTO provision. Crank Pulley Diameter: 186.23 mm (7.33 in) Crank Pulley Groove Type: Poly Vee 12 Rib "K". Crank Pulley Groove Location: 190.95 mm (7.51 in) Vibration Damper Quantity: Two 50 HP Maximum
1	3068935	Dowel, Pin	2	
2	3681595	Spacer, Mounting	1	
3	3101376	Pulley, Crankshaft	1	
4	3681583	Screw, Hexagon Head Cap	12	
5	4101884	Damper, Vibration	2	

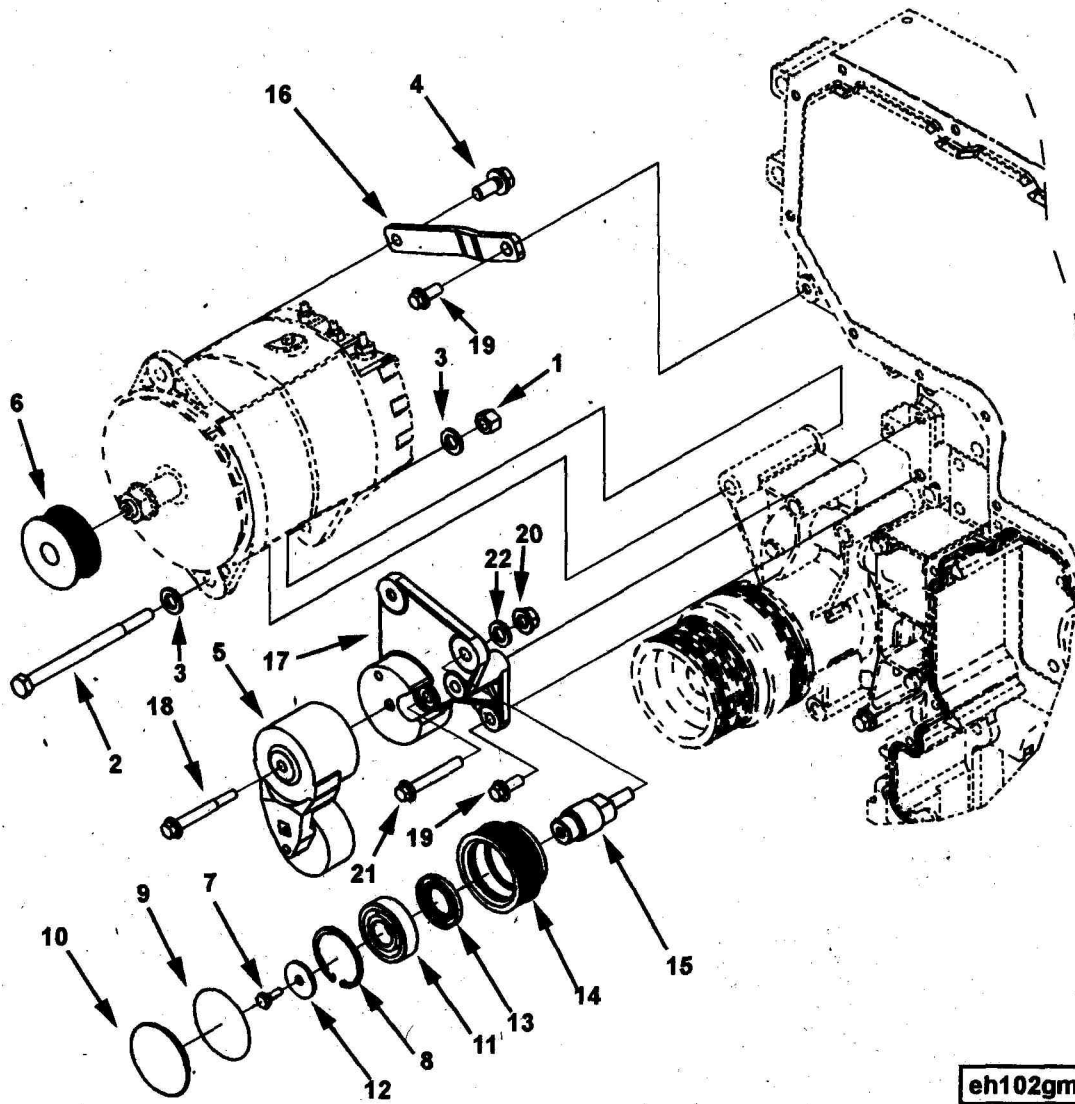
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Ref No.	Part Number	Part Name	Req	Remarks
1	4973373	THERMOSTAT OPTION EC1722 Thermostat	2	Operating Range: 180 Degrees (open) .435" Stroke. Number of Thermostats: 2



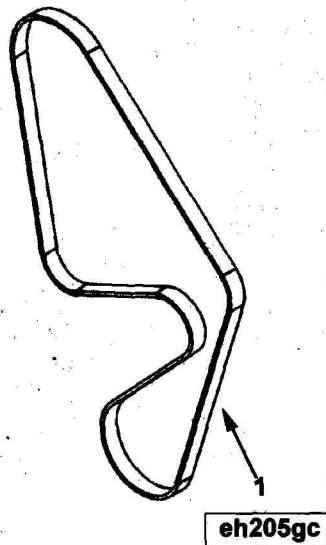
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Ref No.	Part Number	Part Name	Req	Remarks
1	3016627	Alternator	1	ALTERNATOR OPTION EE1211 Delco Remy 20 SI-300 Volts: 24 Amps: 35 Grounding Method: Negative Insulation Provision: No Sealing Provision: No Built-In Voltage Regulator: Yes Ground Wire Supplier: Customer Alternator Length: 160mm (6.3 in) Unique Characteristics: Spool Mount Charging System: Standard Battery Terminal: 1/4 - 28 R Terminal: Pin

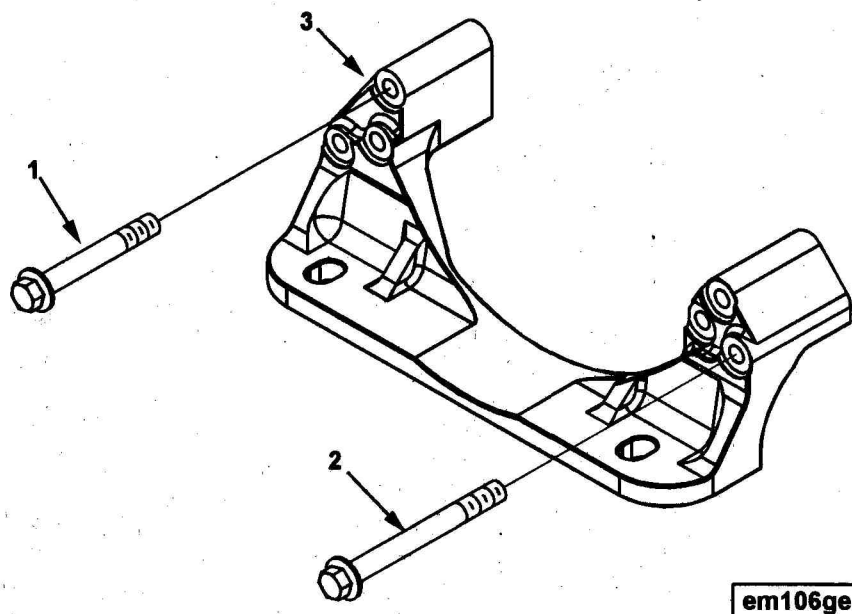


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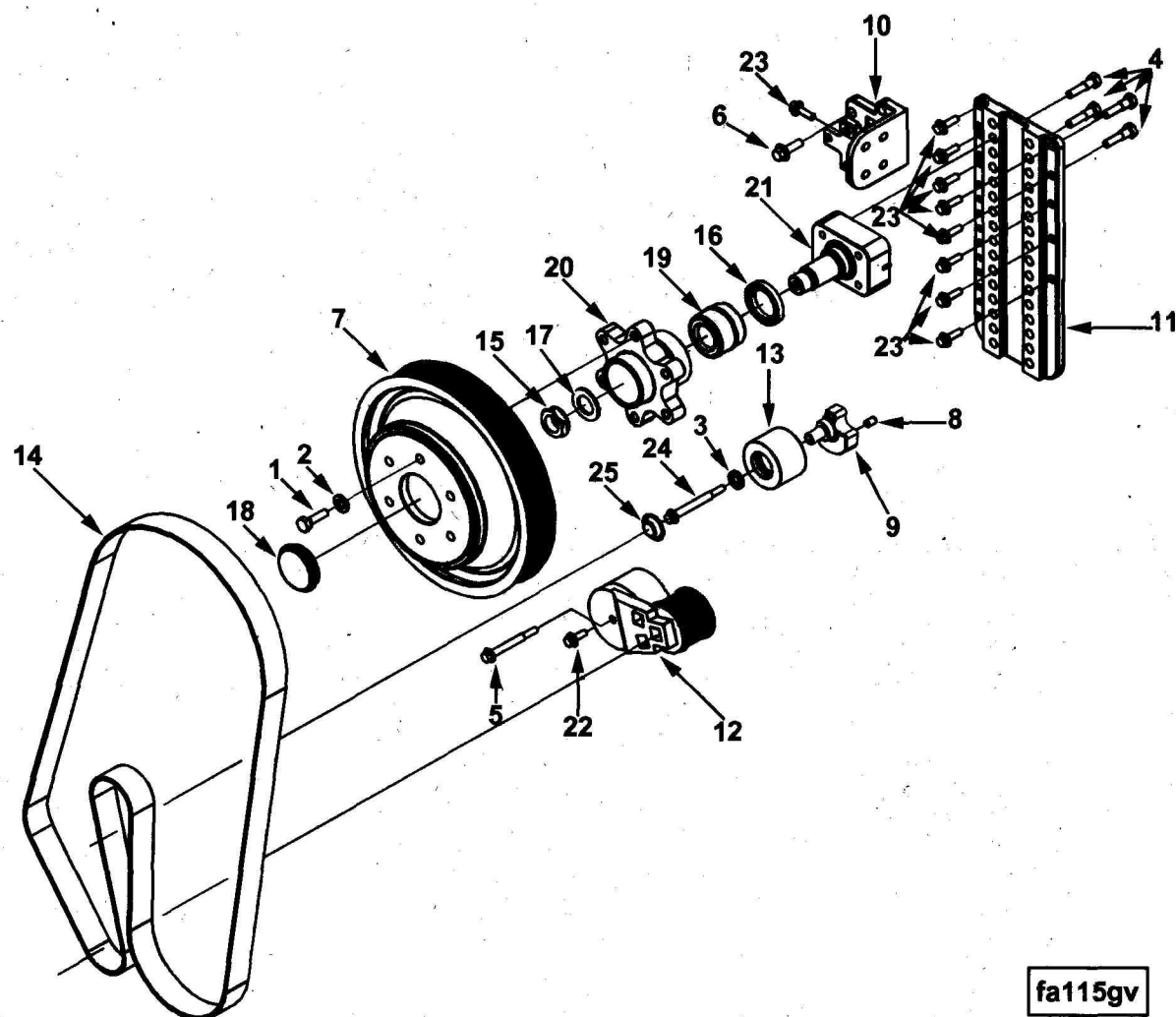
Ref No.	Part Number	Part Name	Req	Remarks
		ALTERNATOR MOUNTING OPTION EH1083		Alternator Mounting Alternator Quantity: One For Use With: Alternators with Body Diameters Less Than 152.4mm (6.0 inch) Such as Bosch N1, Delco 20SI, or Delco 22SI and 24SI Maximum Alternator Output: Bosch N1, Delco 20SI, or Delco 22SI: 135 Amps/12V or 70 Amps/24V Delco 24SI: 160 Amps/12V or 70 Amps/24V Mtg. Location: Right Side Drive Location: Water Pump Pulley Alternator Pulley Supplied: On Engine Alt. Pulley Diameter: 67.99mm (2.68 in) Alt. Pulley Groove: Poly V Rib "K" Belt Tensioner: Automatic Required Drive Pulley Dia: 103.63mm (4.08 in) Bracket Attachment Method: Spool Horizontal Attachment Point: 322mm (12.68 in) Vertical Attachment Point: 210mm (8.27 in) FFOB to First Groove: 133.16mm (5.24 in) Belt Supplied: Yes Drive Ratio: 3.06:1 Additional Information: For use with Sanden Refrigerant Compressor Model SD7H15
1	70897	Nut, Lock	1	1/2 - 20 UNF.
2	4022822	Screw, Hexagon Head Cap	1	1/2 - 20 x 6 1/2 inch
3	3895517	Washer, Plain	2	1 inch
4	3063567	Screw, Captive Washer Cap	1	1/2 - 13 X 1 1/4 Inch.
5	3104027	Tensioner, Belt	1	
6	3680082	Pulley, Alternator	1	
	(3680196)	Pulley, Idler TLA	1	Recon equivalent 3680196 NX
7	S 107	Screw, Hexagon Head Cap	1	5/16 - 18 x 3/4 inch
8	S 16255	Ring, Retaining	1	
9	145551	Seal, O Ring	1	
10	3064404	Cover, Idler Pulley	1	
11	3064406	Bearing, Ball	1	
12	3070458	Washer, Plain	1	1/4 Inch.
13	3074482	Seal, Oil	1	
14	3680195	Pulley, Idler	1	
15	3680283	Shaft, Idler	1	
16	3681826	Link, Adjusting	1	
17	3681827	Support, Belt Tensioner	1	
18	3896408	Screw, Hex Flange Head Cap	1	M10 x 1.50 x 80
19	3902460	Screw, Hex Flange Head Cap	2	M10 x 1.50 x 25
20	3903210	Nut, Hexagon Flange	1	M12 x 1.75
21	3904446	Screw, Hex Flange Head Cap	2	M10 x 1.50 x 70
22	3035806	Washer, Plain	1	M12.



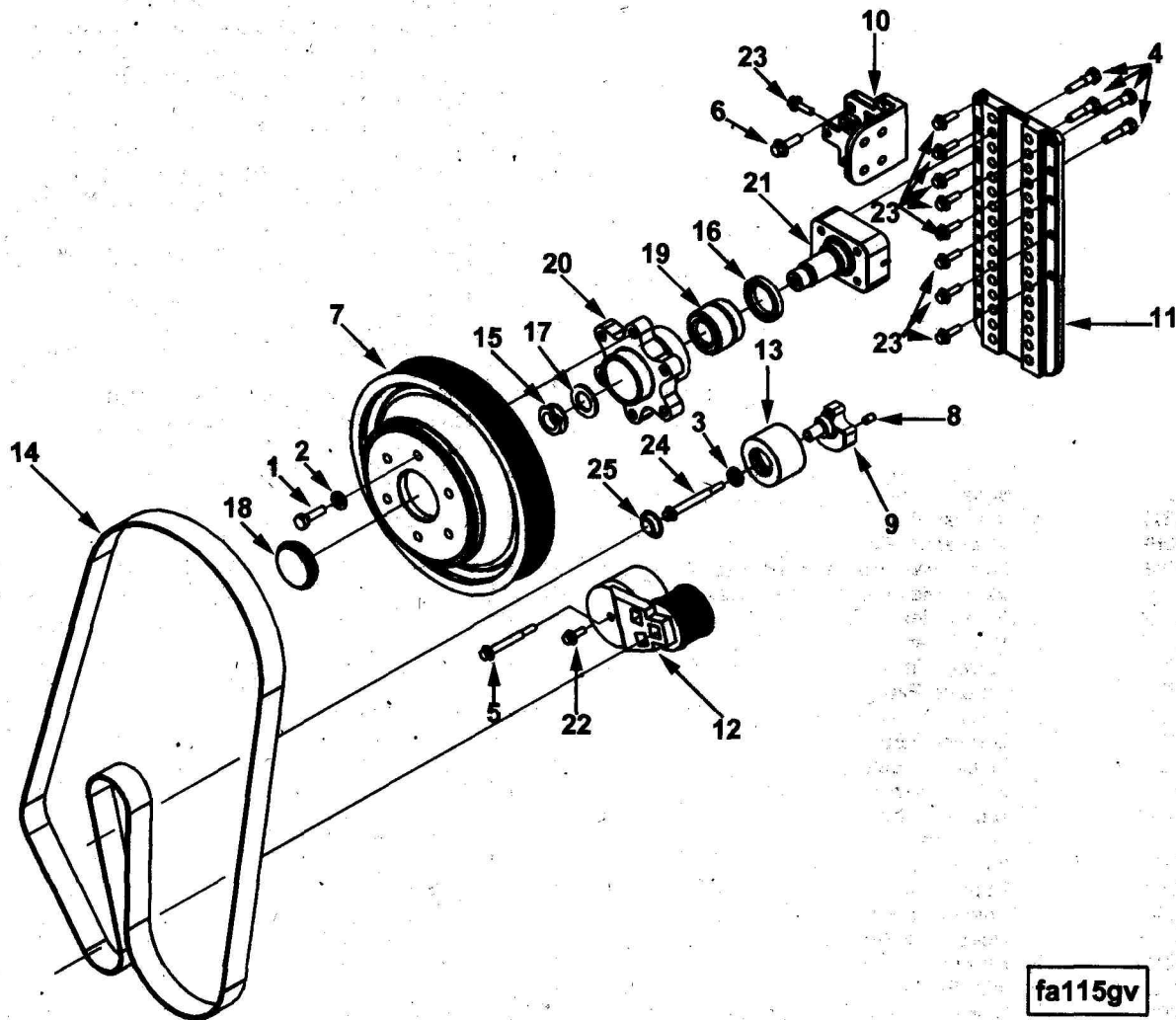
Ref No.	Part Number	Part Name	Req	Remarks
1	3100141	ALTERNATOR DRIVE OPTION EH1723 Belt, V Ribbed	1	Alternator Drive Effective Belt Length: 1144.78mm (45.07 in) Alternator Belt Supplied: On Engine Additional Information: For Use with Single Alternator Without Refrigerant Compressor



Ref No.	Part Number	Part Name	Req	Remarks
		FRONT ENGINE SUPPORT OPTION EM1343		Front engine support support type: Two hole Material: Ductile Cast Iron Engine Position: Vertical Standard fan drive supplier: Cummins or customer.
1	3681056	Screw, Hex Flange Head Cap	3	
2	3681057	Screw, Hex Flange Head Cap	3	
3	3681723	Support, Front Engine	1	

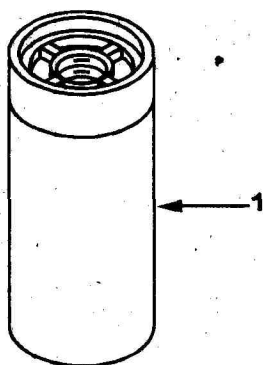


Ref No.	Part Number	Part Name	Req	Remarks
		FAN DRIVE OPTION FA1466		Fan Drive Supplier: Cummins Fan Center Location: 406.4mm (16.0 in) Fan Drive Ratio: .65:1 Fan Center Style: Fixed Driven from Crank-shaft Fan Hub Pilot Diameter: 76.2mm (3.0 in) Pulley Groove Type: Poly Vee 12 Rib "K" Fan Pulley Diameter: 340.258mm (13.40 in) Fan Drive Groove Location: 190.95mm (7.52 in) Front Face of Block to First Groove Belt Tensioning Method: Automatic Fan Bracket Mounting Location: Front of Head/Block Fan Mounting Surface Location: 278.3mm (10.9 in) Front Face of Block to Fan Mounting Surface Maximum Torque Capability: 200nm (150 Lbs. FT) Maximum Fan Inertia: 2.82 nm-sec ² (25 in-LB-sec ²) Maximum Bending Moment: 62.2nm (550 in-LB) Maximum Fan Weight: 49.9 Kg (110 LB) Maximum Fan Spacer Thickness: 127mm (5 in)
1	S 113	Screw, Hexagon Head Cap	6	1/2 - 13 X 1 1/2 Inch.
2	3895517	Washer, Plain	6	
3	3026269	Washer, Plain	1	1/2 Inch.
4	3093940	Screw, Hex Flange Head Cap	4	
5	3093936	Screw, Hex Flange Head Cap	1	
6	3093939	Screw, Hex Flange Head Cap	4	
7	3095232	Pulley, Fan	1	
8	70760	Dowel, Pin	1	
9	3681715	Adapter, Pilot	1	
10	3681129	Support, Belt Tensioner	1	
11	3681130	Bracket, Fan	1	
12	3104029	Tensioner, Belt	1	
13	3681587	Pulley, Idler	1	
14	3103836	Belt, V Ribbed	1	
	(3681793)	Hub, Fan	1	
15	142176	Nut, Lock	1	1 1/8 - 12 UNF.
16	200307	Seal, Oil	1	
17	3012467	Washer, Plain	1	1 1/8 Inch.
18	3063844	Cover, Fan Hub	1	
19	3081164	Bearing, Roller	1	
20	3095221	Hub, Fan	1	
21	3681705	Spindle, Fan	1	
22	3902460	Screw, Hex Flange Head Cap	1	M10 x 1.50 x 25
23	3903112	Screw, Hex Flange Head Cap	12	M10 x 1.50 x 30.
24	3914407	Screw, Hex Flange Head Cap	1	M10 X 1.50 X 100.
25	3935013	Shield, Dust	1	



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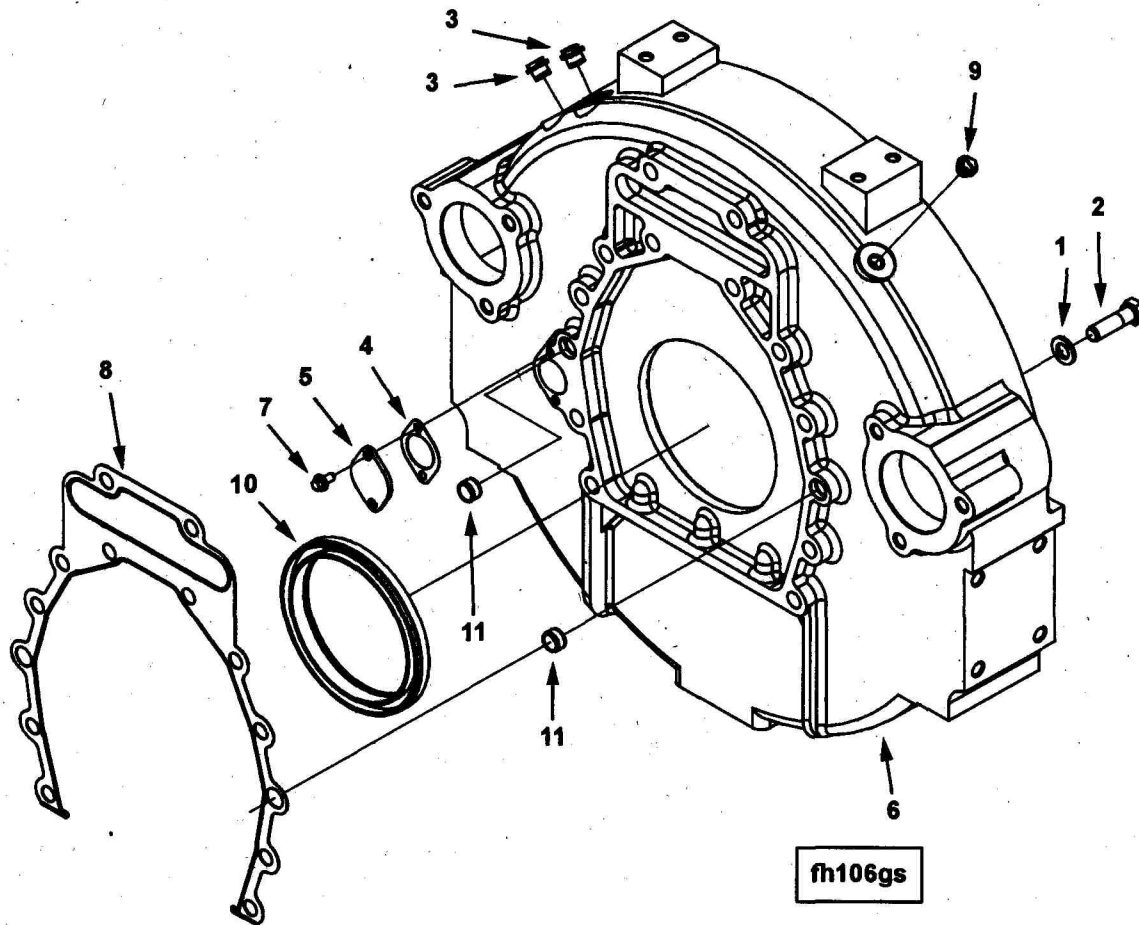
Ref No.	Part Number	Part Name	Req	Remarks
		FAN DRIVE OPTION FA1467		Fan Drive Supplier: Cummins Fan Center Location: 406.4mm (16.0 in) Fan Drive Ratio: .75:1 Fan Center Style: Fixed Driven from Crank-shaft Fan Hub Pilot Diameter: 76.2mm (3.0 in) Pulley Groove Type: Poly Vee 12 Rib "K" Fan Pulley Diameter: 248.0mm (9.76 in) Fan Drive Groove Location: location: 190.95mm (7.52 in) Front Face of Block to First Groove Belt Tensioning Method: Automatic fan Fan Bracket Mounting Location: Front of Head/Bloc Fan Mounting Surface Location: 278.3mm (10.9 in) Front Face of Block to Fan Mounting Surface Maximum Torque Capability: 200nm (150 Lbs. FT) Maximum Fan Inertia: 2.26 nm-sec2 (20 in-LB-sec2) Maximum Bending Moment: 62.2nm (550 in-LB) Maximum Fan Weight: 49.9 Kg (110 LB) Maximum Fan Spacer Thickness: 127mm (5 in)
1	S 113	Screw, Hexagon Head Cap	6	1/2 - 13 x 1 1/2 inch
2	3895517	Washer, Plain	6	1 inch
3	3026269	Washer, Plain	1	1/2 inch
4	3093940	Screw, Hex Flange Head Cap	4	
5	3093936	Screw, Hex Flange Head Cap	1	
6	3093939	Screw, Hex Flange Head Cap	4	
7	3095220	Pulley, Fan	1	
8	70760	Dowel, Pin	1	
9	3681715	Adapter, Pilot	1	
10	3681129	Support, Belt Tensioner	1	
11	3681130	Bracket, Fan	1	
12	3104029	Tensioner, Belt	1	
13	3681587	Pulley, Idler	1	
14	3106099	Belt, V Ribbed	1	
	(3681793)	Hub, Fan	1	
15	142176	Nut, Lock	1	1 1/8 - 12 UNF.
16	200307	Seal, Oil	1	
17	3012467	Washer, Plain	1	1 1/8 Inch.
18	3063844	Cover, Fan Hub	1	
19	3081164	Bearing, Roller	1	
20	3095221	Hub, Fan	1	
21	3681705	Spindle, Fan	1	
22	3902460	Screw, Hex Flange Head Cap	1	M10 x 1.50 x 25
23	3903112	Screw, Hex Flange Head Cap	12	M10 x 1.50 x 30
24	3914407	Screw, Hex Flange Head Cap	1	M10 x 1.50 x 100
25	3935013	Shield, Dust	1	



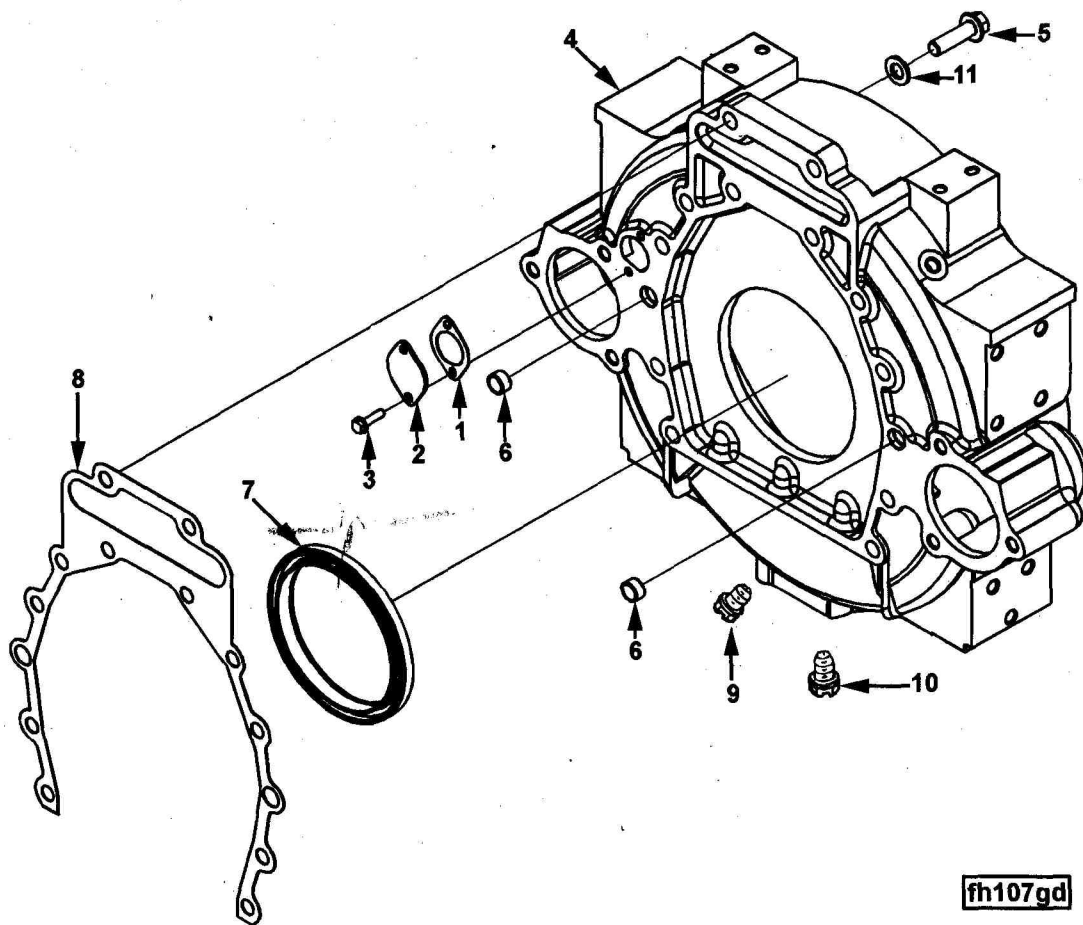
ff104gy

Ref No.	Part Number	Part Name	Req	Remarks
1	(3101872)	FUEL FILTER OPTION FF1254 Filter, Fuel	1	Fuel Filter Water in Fuel Sensor: Yes Fuel Filter Type: Water Separator with Drain (FS1040) Fuel Filter Mounting: Fuel Pump Mounted Buy from Cummins Filtration

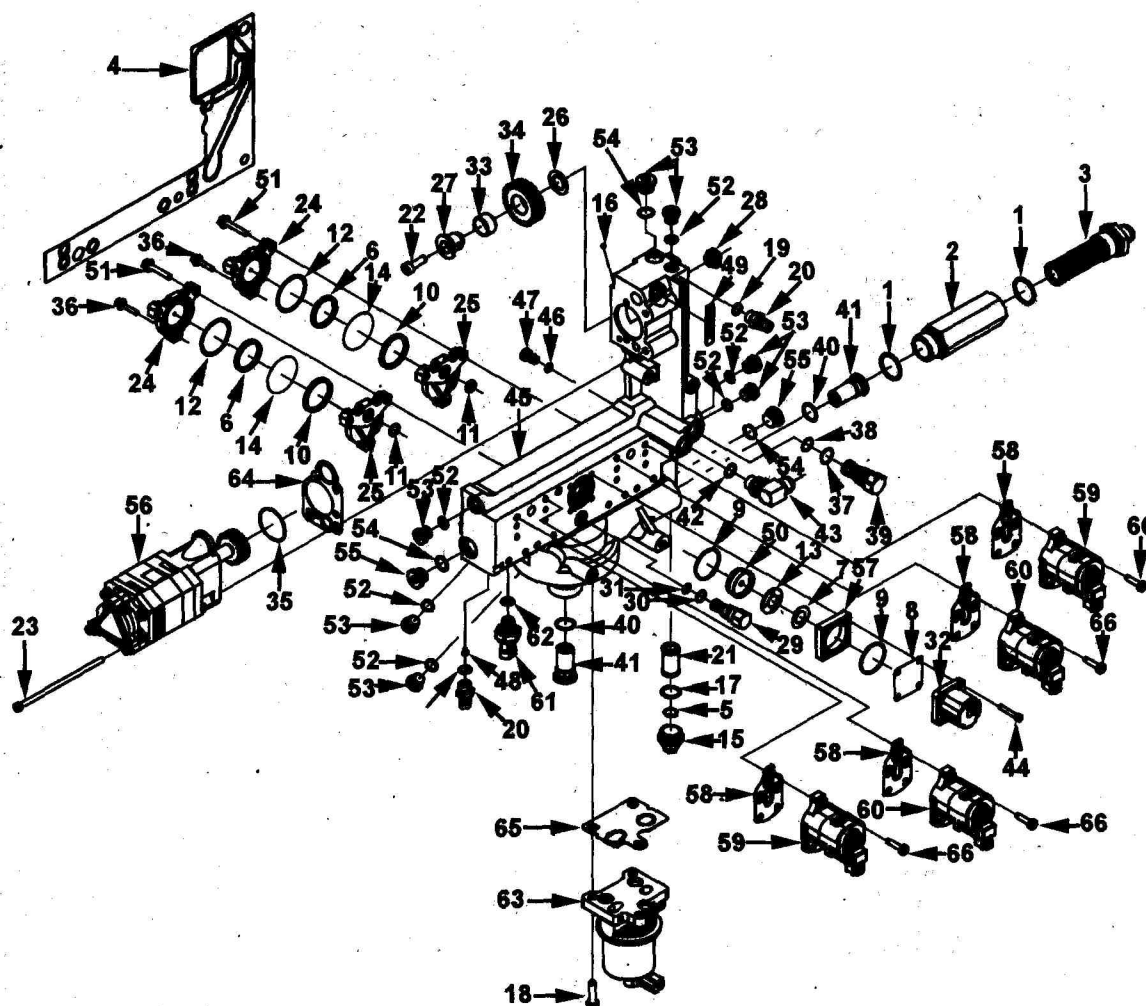
NOTES



Ref No.	Part Number	Part Name	Req	Remarks
		FLYWHEEL HOUSING OPTION FH11085		Flywheel Housing Flywheel Housing SAE Size Or Type: 0 Flywheel Housing Material: Cast Iron Engine Mount Type: Vertical Pads Transmission Mounting Hole Nomenclature: SAE Starter Motor Mounting Screws: SAE Starter Center Distance: 326.6mm (12.859 in) Clutch Type Provision: Dry Sensor Mounting Hole Nomenclature: Quad 3, 3/4 - 16 Quad 3, 3/4 - 16 Quad 2, 5/8 - 20 Rear Gear Drive: No Transmission Mounting Face to Rear Face of Block: 155.25mm (6.112 in) Starter Location: 1st and 4th Quadrant Sensor Mounting Hole Count: Three
1	127316	Washer, Plain	14	5/8 inch
2	3022148	Screw, Hexagon Head Cap	14	M16 x 2.00 x 55
3	3042004	Plug, Threaded	2	3/4-16 UNF
	4026677	Housing, Flywheel	1	
4	3026134	Gasket, Cover Plate	1	
5	3026135	Cover, Access Hole	1	
6	3680785	Housing, Flywheel	1	
7	3918108	Screw, Hex Flange Head Cap	2	M8 x 1.25 x 16
8	4965688	Gasket, Flywheel Housing	1	
9	4026918	Plug, Threaded	1	
10	(4962603)	Seal, Oil	1	Serviced as 4965569.
11	3678871	Dowel, Ring	2	
	4965569	Kit, Seal & Spacer		
	(4918688)	Spacer	1	
	(4962603)	Seal, Oil	1	Serviced as 4965569.

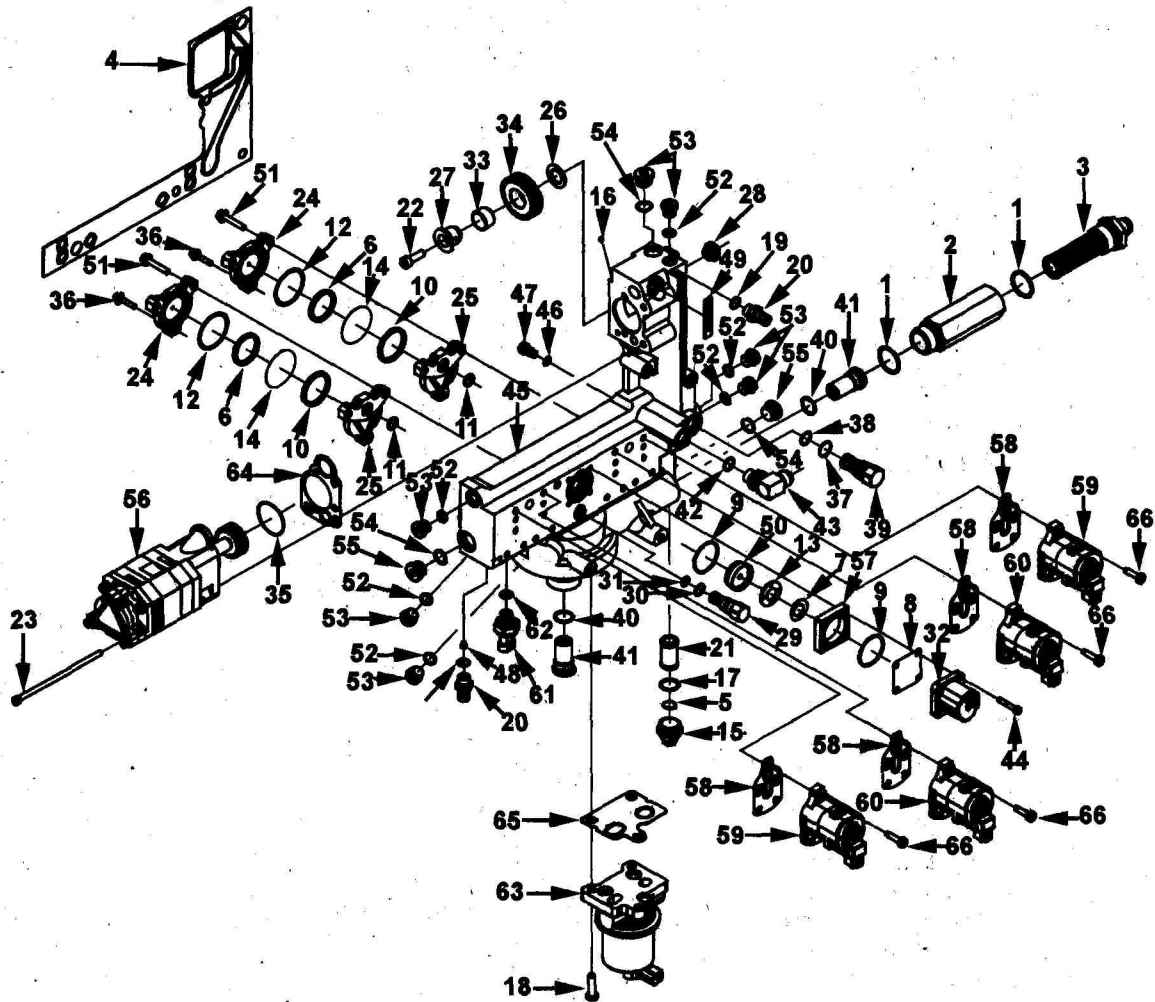


Ref No.	Part Number	Part Name	Req	Remarks
		FLYWHEEL HOUSING OPTION FH11089		Flywheel Housing Flywheel Housing SAE Size Or Type: 1 Flywheel Housing Material: Cast Iron Engine Mount Type: High And Low Vertical Pad Transmission Mounting Hole Nomenclature: SAE Starting Motor Mounting Screws: SAE Starter Center Distance: 275.6mm (10.85 in) Clutch Type Provision: Dry Sensor Mounting Hole Nomenclature: Quad 1, 3/4 - 16 Quad 4, 5/8 - 20 Rear Gear Drive: No Transmission Mounting Face to Rear Face of Block: 156 m (6.142 in) Starter Location: 2nd and 3rd Quadrant Sensor Mounting Hole Count: Two
	4026662	Housing, Flywheel		
1	3026134	Gasket, Cover Plate	1	
2	3026135	Cover, Access Hole	1	
3	3918108	Screw, Hex Flange Head Cap	2	M8 x 1.25 x 16
4	(3102152)	Housing, Flywheel	1	
5	3022148	Screw, Hexagon Head Cap	14	M16 x 2.00 x 55
6	3678871	Dowel, Ring	2	
7	(4962603)	Seal, Oil	1	Serviced as 4965569.
8	4965688	Gasket, Flywheel Housing	1	
9	3042004	Plug, Threaded	1	3/4-16 UNF
10	4026918	Plug, Threaded	1	
11	127316	Washer, Plain	14	5/8 inch
	4965569	Kit, Seal & Spacer	1	
	(4962603)	Seal, Oil	1	
	(4918688)	Spacer	1	



fp107gb

Ref No.	Part Number	Part Name	Req	Remarks
		FUEL PUMP		
		OPTION FP10228		
				Fuel Pump
				Fuel Filter: IFSM Mount
				Fuel Solenoid: 12volt, Dual Post
				Inlet Fitting Size: #10
				Outlet Fitting Size: #10
				Seat: 45 Degrees
				Drainline Check Valve Fitting: With
				Priming Pump: 24 Volt Electric
				Used with DOX Engine Control System
	4025634	Housing, Filter	1	
	(4076588)	Housing, Filter	1	
1	3678846	Seal, O Ring	1	
2	(4076589)	Housing, Filter	1	
1	3678846	Seal, O Ring	1	
3	(4076591)	Screen, Filter	1	
4	4076587	Gasket, Ful Cnt Housing	1	
	(4088063)	Module, Fuel Control	1	
5	70700	Spring, Compression	1	
6	100099	Seal, Rectangular Ring	2	
7	129768	Spring, Valve	1	
8	129839	Shield, Shutoff Valve	1	
9	129888	Seal, Rectangular Ring	2	
10	139988	Seal, Rectangular Ring	2	
11	151900	Seal, Rectangular Ring	2	
12	160514	Washer, Plain	2	1 11/16 Inch.
13	196057	Disc, Valve	1	
14	202897	Diaphragm, Ful Pump Damper	2	
15	3014575	Cap, Fuel Pump Filter	1	
16	(3015521)	Ball	1	
17	3021123	Seal, O Ring	1	
18	3025806	Screw, Socket Head Cap	3	M8 X 1.25 X 30.
	3042619	Nipple, Coupling	2	
19	3037537	Seal, O Ring	1	
20	3042620	Nipple, Coupling	1	
21	3090769	Screen, Filter	1	
22	3330019	Screw, Socket Head Cap	1	
23	3330022	Screw, Socket Head Cap	4	
24	3330651	Cover, Fuel Pump Damper	2	
25	3330652	Body, Fuel Pump Damper	2	
26	3330719	Plate, Thrust Bearing	1	
27	3330720	Shaft, Idler	1	
28	3331275	Retainer, Shaft	1	
	3348322	Valve, Pressure Regulator	1	
29	(3348323)	Valve, Pressure Regulator	1	
30	3348703	Seal, O Ring	1	
31	3867640	Seal, O Ring	1	
32	3098354	Solenoid	1	Reference 4061693 FSOV Kit
	(3867093)	Gear, Idler	1	
33	(3330639)	Bushing	1	
34	(3867094)	Gear, Idler	1	
35	3867481	Seal, O Ring	1	
36	3902023	Screw, Hex Flange Head Cap	2	M6 x 1.00 x 25
	4001926	Valve, Pressure Regulator	1	
37	3330478	Seal, O Ring	1	
38	3867641	Seal, O Ring	1	
39	(4001925)	Valve, Pressure Regulator	1	



fp107gb

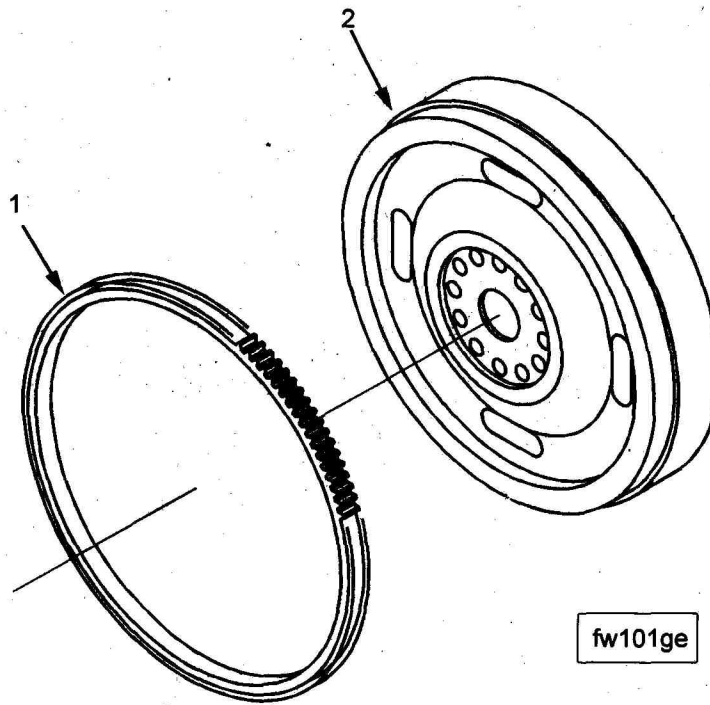
Group No. 05.01

Fuel Pump

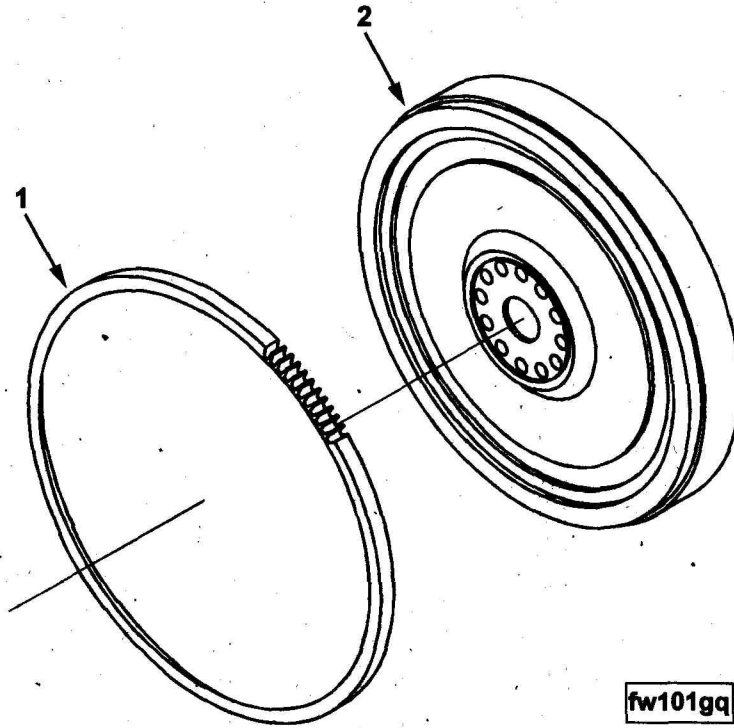
Option No. FP10228

Ref No.	Part Number	Part Name	Req	Remarks
	4010077	Valve, Check	2	
40	3089240	Seal, O Ring	1	
41	(4010078)	Valve, Check	1	
	4010315	Valve, Check	1	
42	3679139	Seal, O Ring	1	
43	(4010316)	Valve, Check	1	
44	4076471	Screw, Socket Head Cap	4	
45	(4076572)	Housing, Fuel Control	1	
	4076593	Valve, Check	1	
46	3678925	Seal, O Ring	1	M10 x 1.00
47	(4076594)	Valve, Check	1	
48	4076599	Plug, Orifice	1	
49	(4088064)	Tag, Identificati	1	
50	4088274	Disc, Actuator	1	
51	4088450	Screw, Hex Flange Head Cap	4	
	4088806	Plug, Threaded	6	
52	3678912	Seal, O Ring	1	
53	(4088802)	Plug, Threaded	1	
	4088807	Plug, Threaded	3	
54	3678786	Seal, O Ring	1	
55	(4088803)	Plug, Threaded	1	
56	(4088848)	Pump, Gear Fuel	1	Serviced as 4089431.
6	100099	Seal, Rectangular Ring	1	
10	139988	Seal, Rectangular Ring	1	
11	151900	Seal, Rectangular Ring	1	
12	160514	Washer, Plain	1	1 11/16 Inch.
14	202897	Diaphragm, Ful Pump Damper	1	
24	3330651	Cover, Fuel Pump Damper	1	
25	3330652	Body, Fuel Pump Damper	1	
57	4088863	Housing, Actuator	1	
58	4902789	Gasket, Actuator	4	
59	(4902904)	Actuator, Metering	2	Serviced as 4089980.
60	(4902905)	Actuator, Timing	2	Serviced as 4089981.
61	4921499	Sensor, Pressure	1	
62	4010519	Seal, O Ring	1	
63	4935095	Pump, Fuel	1	
64	4954472	Gasket, Support	1	
65	4954473	Gasket, Fuel Pump	1	
66	4954670	Screw, Pan Head Cap	12	
	4025255	Kit, Ifsm Service/Repair	1	
	S 2286	Screw, Drive	2	
	105375	Nameplate	1	
	129888	Seal, Rectangular Ring	2	
	151900	Seal, Rectangular Ring	2	
	3021123	Seal, O Ring	1	
	3025806	Screw, Socket Head Cap	3	M8 X 1.25 X 30.
	3037537	Seal, O Ring	2	
	3042543	Seal, O Ring	1	
	3044297	Seal, O Ring	13	
	3045986	Seal, O Ring	4	
	3084539	Seal, O Ring	1	
	3089240	Seal, O Ring	2	
	3089392	Seal, O Ring	1	
	3330202	Seal, O Ring	3	
	3330478	Seal, O Ring	1	
	3347832	Seal, Grommet	4	
	3348703	Seal, O Ring	1	
	3678786	Seal, O Ring	3	
	3678846	Seal, O Ring	2	
	3678912	Seal, O Ring	6	
	3679139	Seal, O Ring	1	
	3867481	Seal, O Ring	1	

Ref No.	Part Number	Part Name	Req	Remarks
	3867640	Seal, O Ring	1	
	3867641	Seal, O Ring	1	
	3918190	Washer, Sealing	2	M8
	3922794	Seal, O Ring	2	
	4062005	Gasket, Support	1	
	4076585	Plate, Cover	1	
	4076586	Gasket, Fuel Pump	1	
	4076587	Gasket, Ful Cnt Housing	1	
	4076597	Housing, Fuel Control	1	
	4024808	Kit, Fuel Solenoid		
9	129888	Seal, Rectangular Ring	2	
32	(3408421)	Solenoid	1	
	(4089980)	Kit, Actuator		Recon equivalent 4089980 NX
58	4902789	Gasket, Actuator	1	
59	(4902904)	Actuator, Metering	1	Serviced as 4089980.
66	4954670	Screw, Pan Head Cap	3	
	(4089981)	Kit, Actuator		Recon equivalent 4089981 NX
58	4902789	Gasket, Actuator	1	
60	(4902905)	Actuator, Timing	1	Serviced as 4089981.
66	4954670	Screw, Pan Head Cap	3	

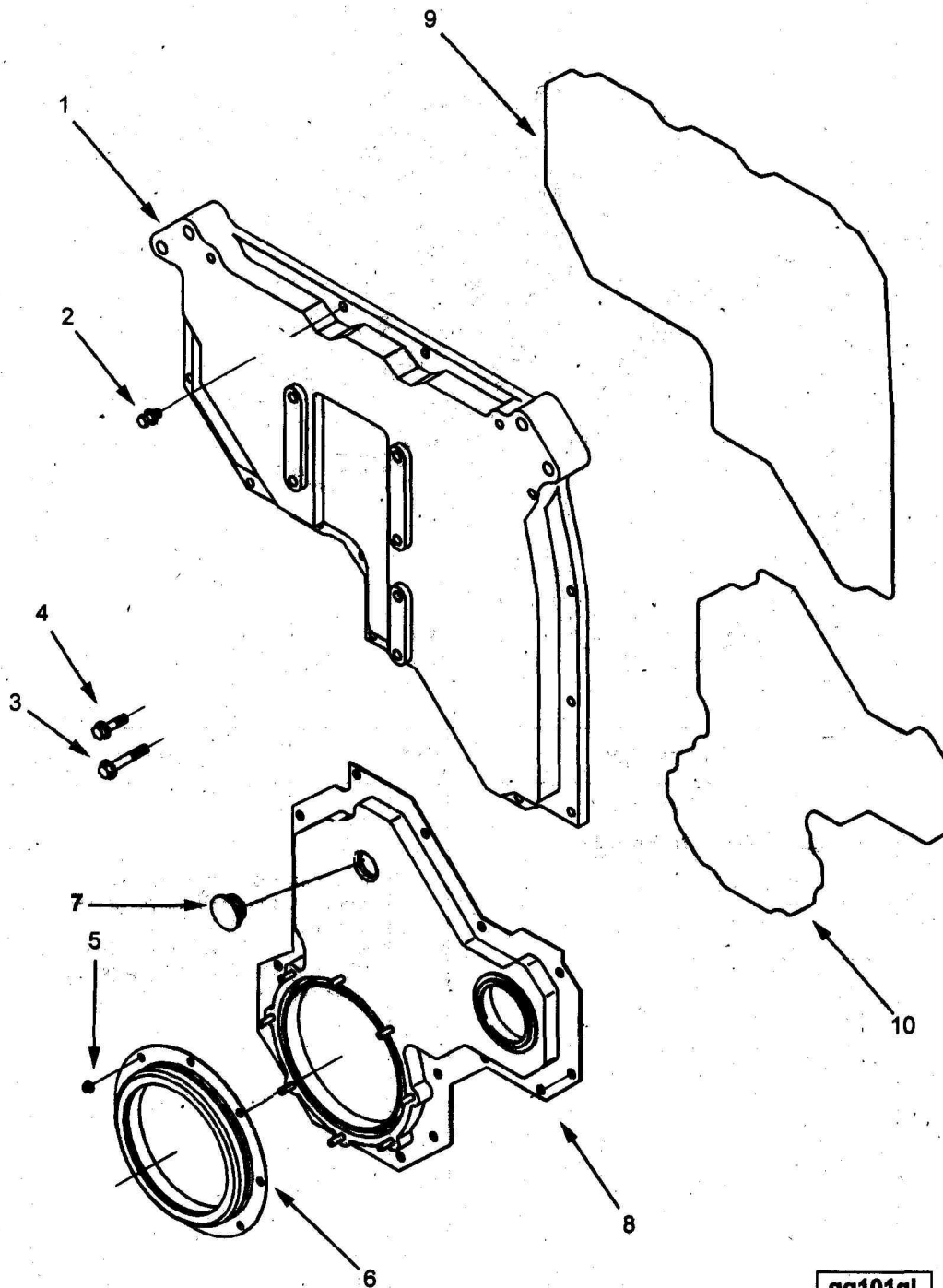


Ref No.	Part Number	Part Name	Req	Remarks
		FLYWHEEL OPTION FW1022		Type: Flywheel Intended Housing SAE: 1 Starter Center Distance: 275.6mm (10.85 in) Clutch Bearing Pilot Bore Diameter: 80.00mm (3.15 in) Clutch Size: 292.1mm (11.5 in) and 355.6mm (14 in) Rear Gear Drive: No Intended Drive Hardware: Overcenter Clutch Transmission Mounting Face to Rear Face of Block: 110.0mm (4.327 in) and 130.4mm (5.134 in) Additional Information: 118 Tooth Ring Gear 292.1mm (11.5 in) Clutch is suitable to mount Lord LCD 5229-5 coupling.
1	3101528	Flywheel	1	
2	4851 (3101529)	Gear, Flywheel Ring Flywheel	1 1	



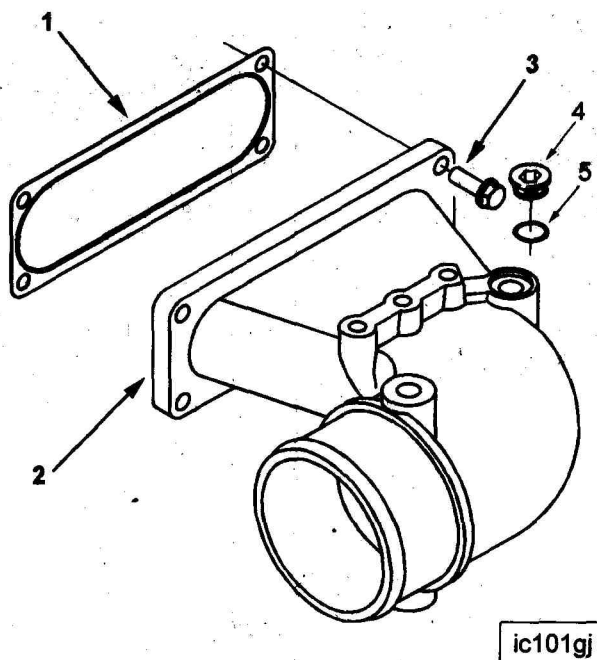
fw101gq

Ref No.	Part Number	Part Name	Req	Remarks
		FLYWHEEL OPTION FW1025		
1	3680849	Flywheel	1	Intended Housing SAE: No.0
2	5566 (3680787)	Gear, Flywheel Ring	1	Starter Center Distance: 12.859
		Flywheel	1	Clutch Size: 18 Inch
				Clutch Plate Type: Dual Plate
				Clutch Plate Material: Ceramic Disc
				Intended Drive Hardware: Spicer.

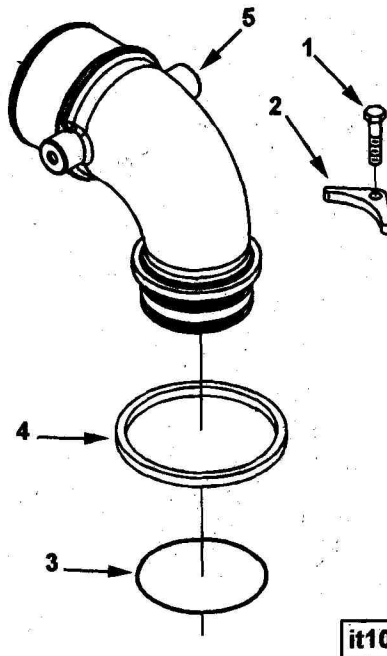


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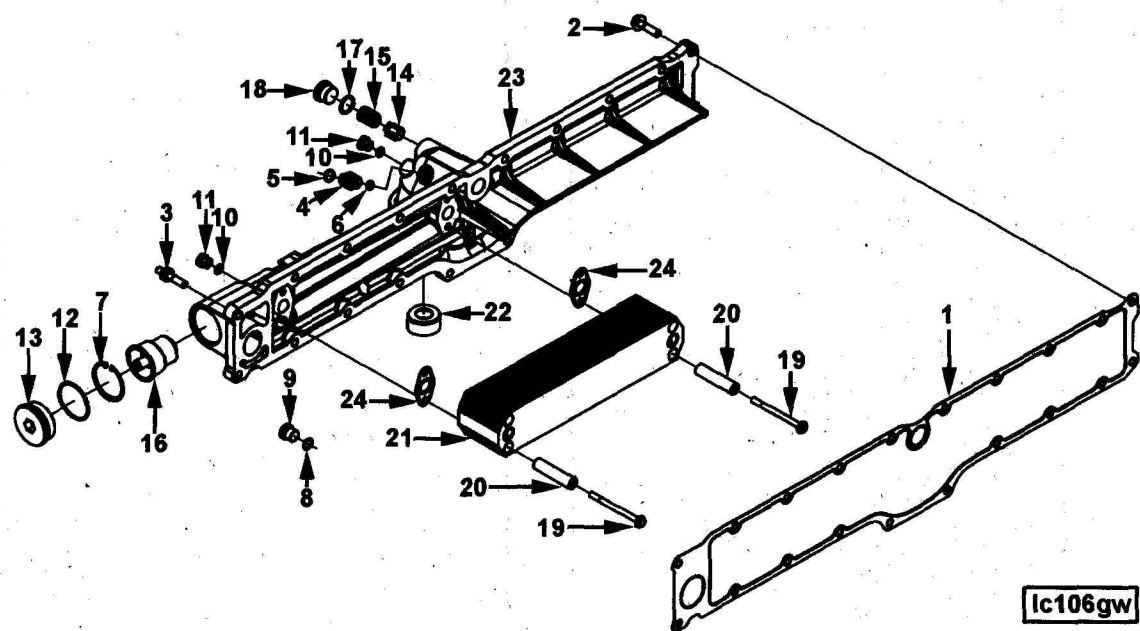
Ref No.	Part Number	Part Name	Req	Remarks
		FRONT GEAR COVER OPTION GG1717		
1	3100500	Cover, Gear	1	Belt driven fan drive without auxiliary drive. Without noise abatement. No breather assembly in upper cover.
2	4101451	Screw, Hex Flange Head Cap	15	
3	3900633	Screw, Hex Flange Head Cap	3	M8 X 1.25 X 50.
4	3902114	Screw, Hex Flange Head Cap	13	M8"x 1.25 x 30
5	3906216	Nut, Hexagon Flange	8	M6 X 1.00.
6	3104263	Seal, Oil	1	
7	4082974	Plug, Gear Cover	1	
8	4973081	Cover, Gear	1	
9	4962722	Seal, Rectangular Strip	1	
10	4962721	Seal, Rectangular Strip	1	



Ref No.	Part Number	Part Name	Req	Remarks
		AIR INTAKE CONNECTION OPTION IC1064		
1	3678770	Gasket, Connection	1	90 degree forward. 4.5 inch diameter cuff.
2	3681392	Connection, Air Intake	1	
3	3903112	Screw, Hex Flange Head Cap	4	M10 x 1.50 x 30
4	3678923	Plug, Threaded	1	
	(3678924)	Plug, Threaded	1	
5	3678925	Seal, O Ring	1	

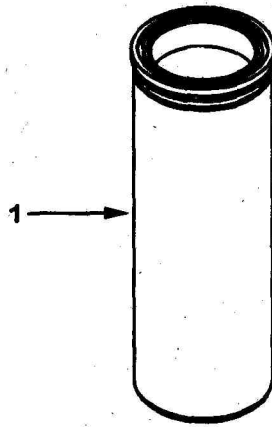


Ref No.	Part Number	Part Name	Req	Remarks
		AIR TRANSFER CONNECTION OPTION IT1022		Air transfer connection for high output ratings 90 degree air outlet connection at the turbo- charger compressor housing. Connection does not have pressure drop inspection hole. Option includes parts to mount and seal the connection to the turbocharger. 5/16 - 18 X 1 1/2 Inch.
1	S 111	Screw, Hexagon Head Cap	3	
2	3329525	Clamp, Retaining	3	
3	3331515	Seal, O Ring	2	
4	3331674	Ring, Clamping	1	
5	3681499	Connection, Air Transfer	1	



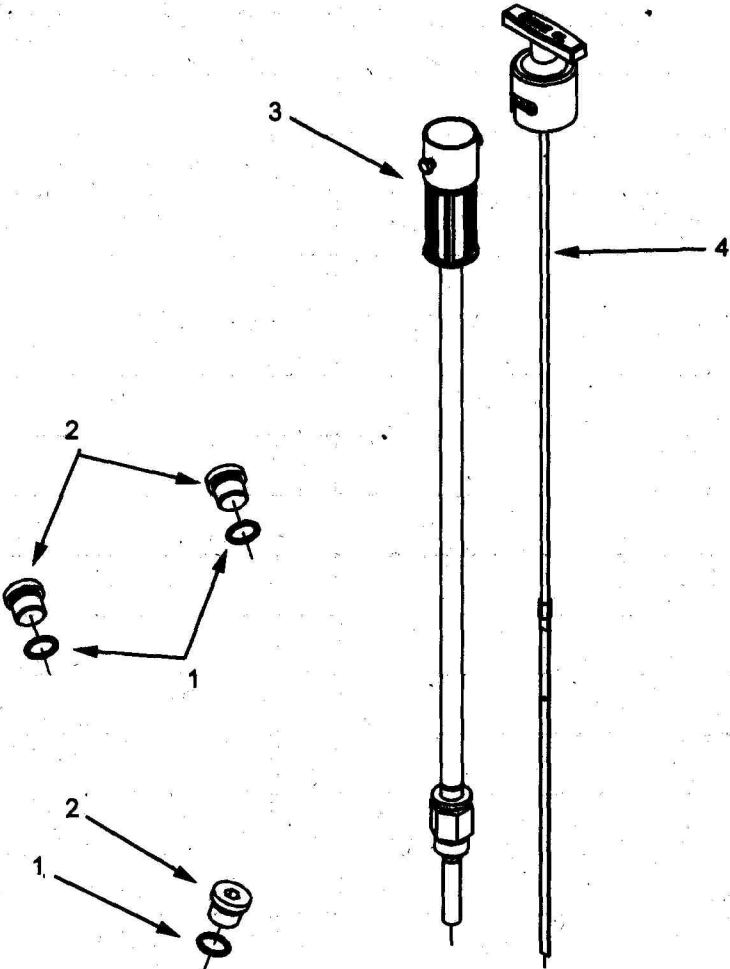
lc106gw

Ref No.	Part Number	Part Name	Req	Remarks
		ENGINE OIL COOLER		
		OPTION LC1729		
				Plate type oil cooler located on exhaust side of the engine. Thermostat controlled oil flow, with pressure relief valve. Utilizes two oil cooler.
				This option provides studded cap screws for mounting OEM supplied items. Six studded screws are located in the oil cooler mounting holes.
				OEM mounted items should be flush with the outboard screw hexagon face. The maximum weight attached to each capscrew should not exceed 11 N (2.5 lbf).
				Serviced as 4955592.
1	(3104232)	Gasket, Lub Oil Clr Hsg	1	
2	3417474	Screw, Captive Washer Cap	15	
3	3681927	Screw, Captive Washer Cap	5	
	4965905	Head, Oil Filter Cooler	1	
	3090400	Union, Male	1	
4	3090419	Union, Male	1	
5	3679139	Seal, O Ring	1	
6	3922794	Seal, O Ring	1	
7	3411881	Ring, Retaining	1	
	3678873	Plug, Threaded	1	
8	3678786	Seal, O Ring	1	
9	(3678791)	Plug, Threaded	1	
	3678921	Plug, Threaded	4	
10	3678912	Seal, O Ring	1	
11	(3678922)	Plug, Threaded	1	
	3679880	Plug, Threaded	1	
12	3089025	Seal, O Ring	1	
13	(3679881)	Plug, Threaded	1	
14	3820320	Plunger, Bypass Valve	1	
15	3882586	Spring, Compression	1	
16	4952629	Thermostat	1	
	4952760	Plug, Threaded	1	
17	3678606	Seal, O Ring	1	
18	(4952759)	Plug, Threaded	1	
19	4965483	Screw, Twelve Point Cap	4	
20	4965484	Spacer, Mounting	4	
21	4965487	Core, Cooler	1	
	4965896	Head, Oil Filter Cooler	1	
22	(3681508)	Insert, Filter Head	1	
23	(4965895)	Head, Oil Filter Cooler	1	
24	4973532	Gasket, Oil Cooler Core	2	
	4955831	Kit, Oil Cooler		
	4965483	Screw, Twelve Point Cap	4	
	4965484	Spacer, Mounting	4	
	4965487	Core, Cooler	1	
	4973532	Gasket, Oil Cooler Core	2	
	4955829	Kit, Oil Cooler Gasket		
	4965483	Screw, Twelve Point Cap	4	
	4965484	Spacer, Mounting	4	
	4966084	Seal, O Ring	2	
	4973532	Gasket, Oil Cooler Core	2	
	4955592	Set, Lub Oil Cooler Hsg		
	(3104232)	Gasket, Lub Oil Clr Hsg	1	Serviced as 4955592.
	4026420	Cover, Protective	1	
	4058956	Cover, Protective	1	

**If101gq**

Ref No.	Part Number	Part Name	Req	Remarks
1	3101868	FULL FLOW OIL FILTER OPTION LF1210 Filter, Lubricating Oil	1	Full Flow Oil Filter One Combo Spin-on Element Mounted to the Lube Cooler Filter Model: LF9000 Capacity: 3.8 l (one US gallon) Buy from Cummins Filtration

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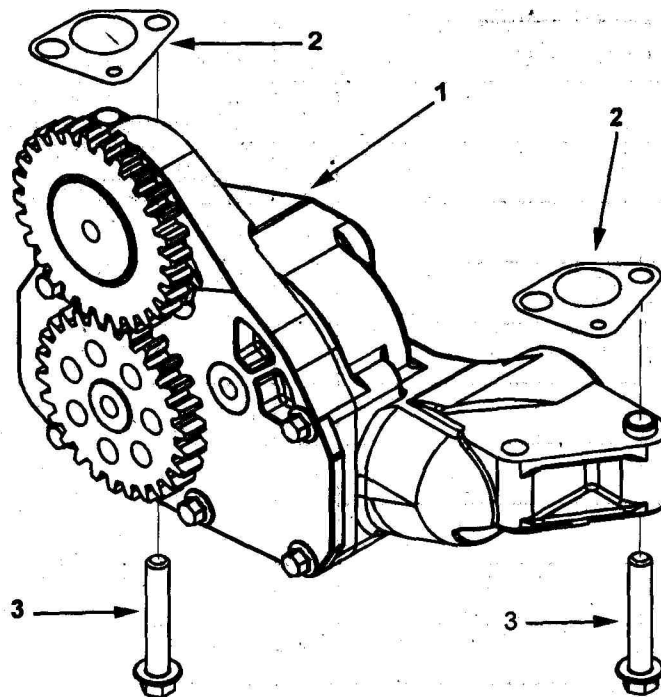
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Group No. 07.02

Oil Level Gauge

Option No. LG1090

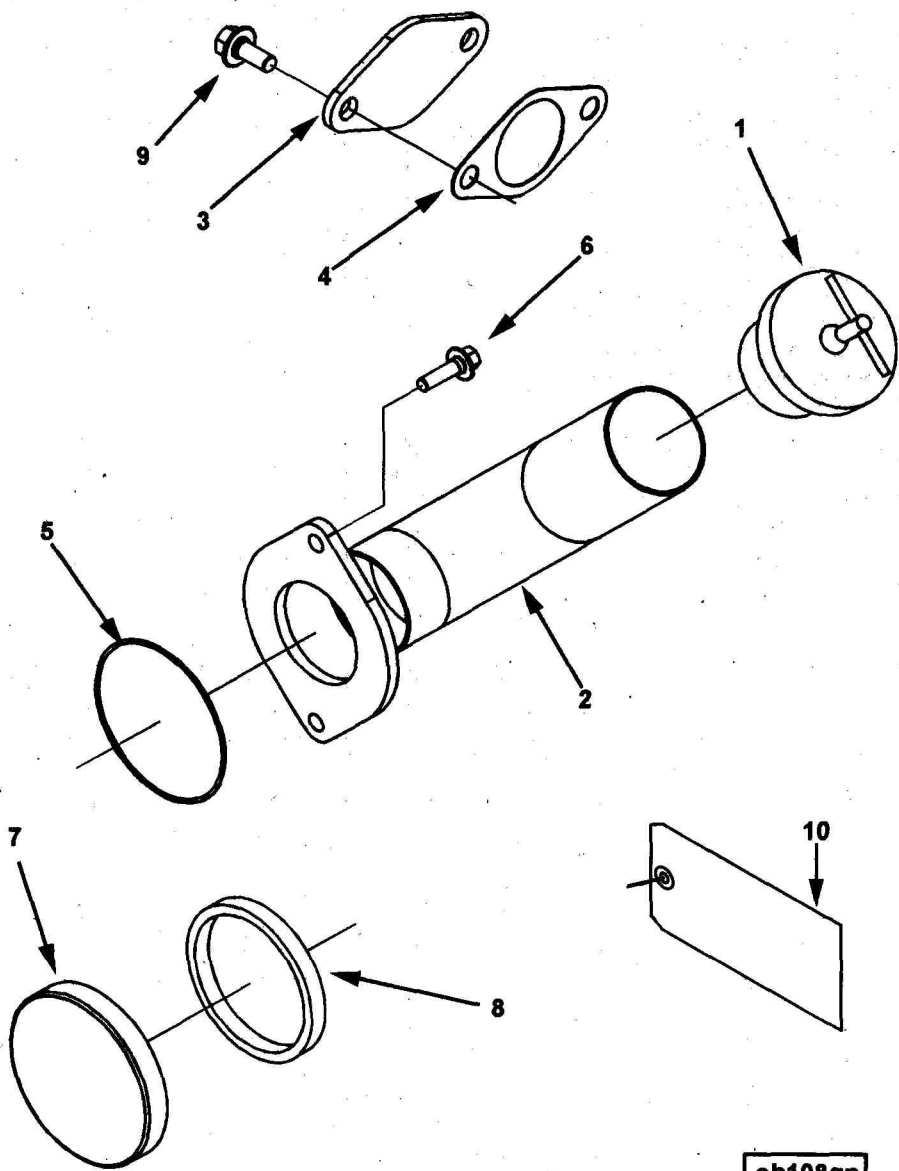
Ref No.	Part Number	Part Name	Req	Remarks
		OIL LEVEL GAUGE OPTION LG1090		Oil level gauge (short) For use with full sump oil pan. Gauge located on intake side of engine to the rear. Sump capacity: 83.3 l (22gallons) high, 72.0 l (19gallons) low. Power Angle: 0 Degree.
	3678873	Plug, Threaded	3	
1	3678786	Seal, O Ring	1	
2	(3678791)	Plug, Threaded	1	M18x1.5
	(3681842)	Dipstick	1	
3	3681847	Tube, Oil Gauge	1	
4	3681848	Dipstick	1	



lp104gg

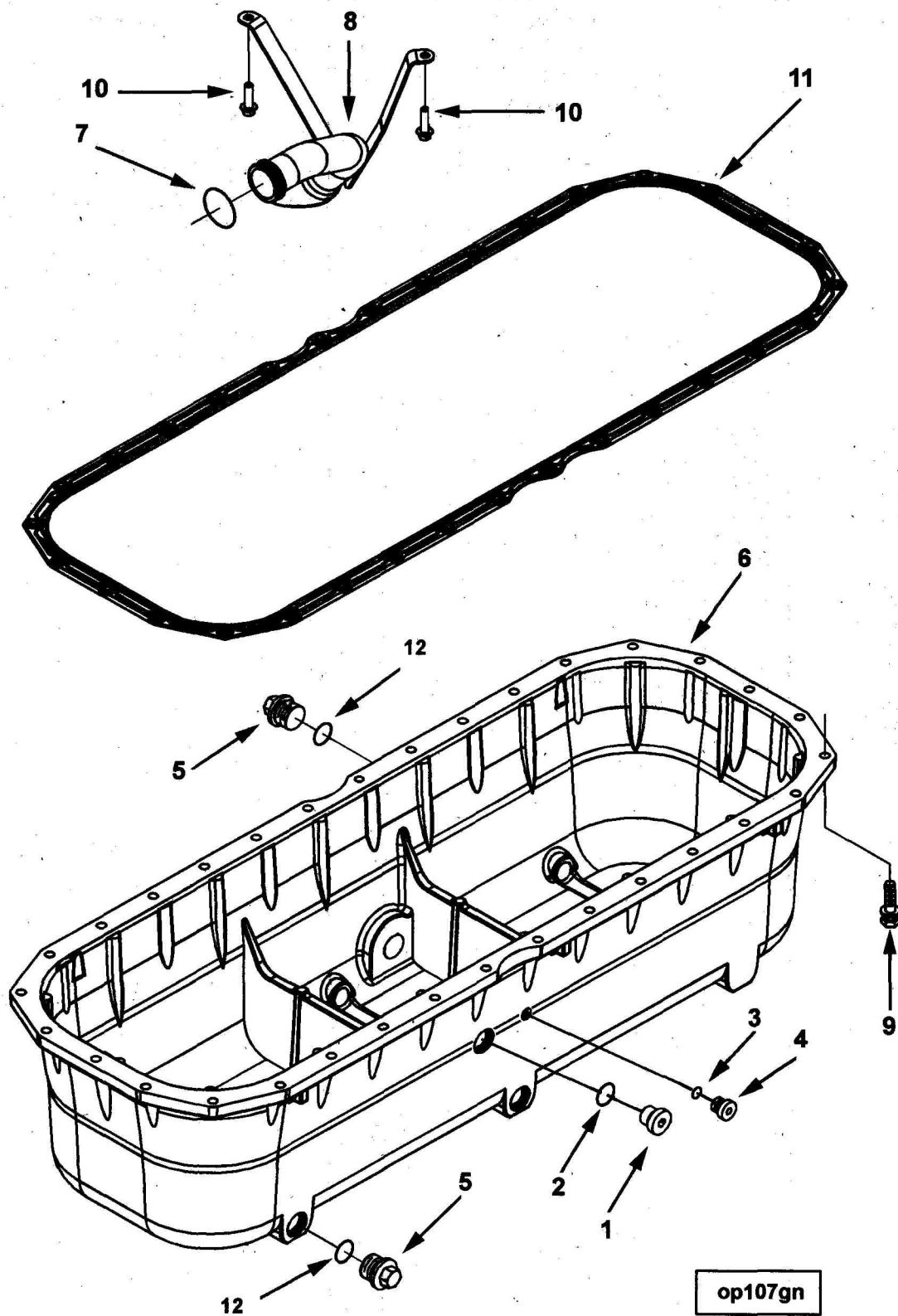
Ref No.	Part Number	Part Name	Req	Remarks
		LUBE OIL PUMP OPTION LP1709		Lube Oil Pump Gallons per minute: 37.0 at 1100 RPM. Aluminum housing. Recon equivalent 4024814 NX
1	(4024814) (4026691) 3800751	Kit, Lube Pump Pump, Lubricating Oil Kit, Shim	1	
2	3681287	Shim	1	
2	3681288	Shim, Black	2	.36 mm (0.014 inch)
2	3681289	Shim, Purple	2	.45 mm (0.018 inch)
2	3681290	Shim, Red	2	.55 mm (0.022 inch)
2	3681291	Shim, Blue	2	.65 mm (0.026 inch)
2	3681292	Shim, Green	2	.75 mm (0.030 inch)
3	3102651	Screw, Hex Flange Head Cap	2	.85 mm (0.033 inch)
			4	M10 x 1.50 x 60
				Only one shim part number required. Shims are determined by lube pump to block stack up.

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ob108gp

Ref No.	Part Number	Part Name	Req	Remarks
		OIL FILLER ARRANGEMENT OPTION OB1397		Oil Fill Arrangement Oil Fill Supplier: Cummins Oil Fill Location: Left Side Back of Gear Housing Fill Tube C/L from FFOB: 31mm (1.22 In) Fill Tube Vertical Position from C/L of Crank: 224mm (8.82 In) Fill Tube Position Horizontal from Engine C/L: 166mm (6.54 In) Addition Information: For Use Without Air Compressor or Hydraulic Drive
	3100846	Assembly, Oil Fill	1	
1	107981	Cap, Filler	1	
2	3681726	Tube, Oil Filler	1	
3	3680371	Plate, Cover	1	
4	3104119	Gasket, Cover Plate	1	
5	3202179	Seal, O Ring	1	
6	3900631	Screw, Hex Flange Head Cap	2	M8 x 1.25 x 25
7	3903463	Cover, Access Hole	1	
8	4962609	Seal, Rectangular Ring	1	
9	3903990	Screw, Hex Flange Head Cap	2	M10 x 1.50 x 20
10	3892253	Tag, Instruction	1	

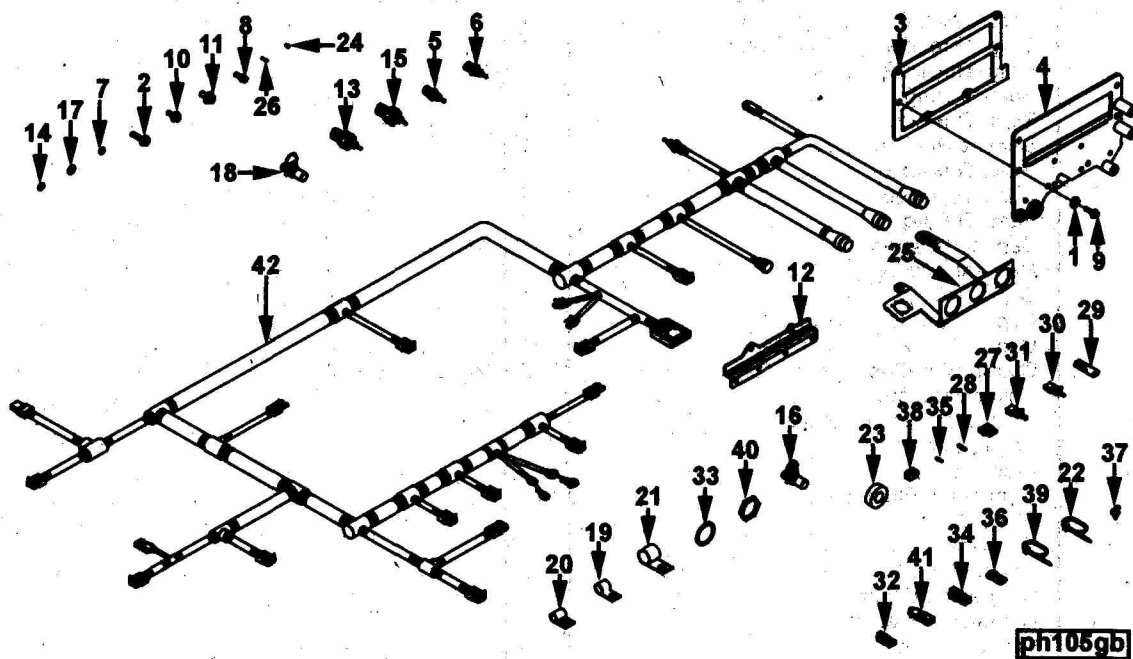


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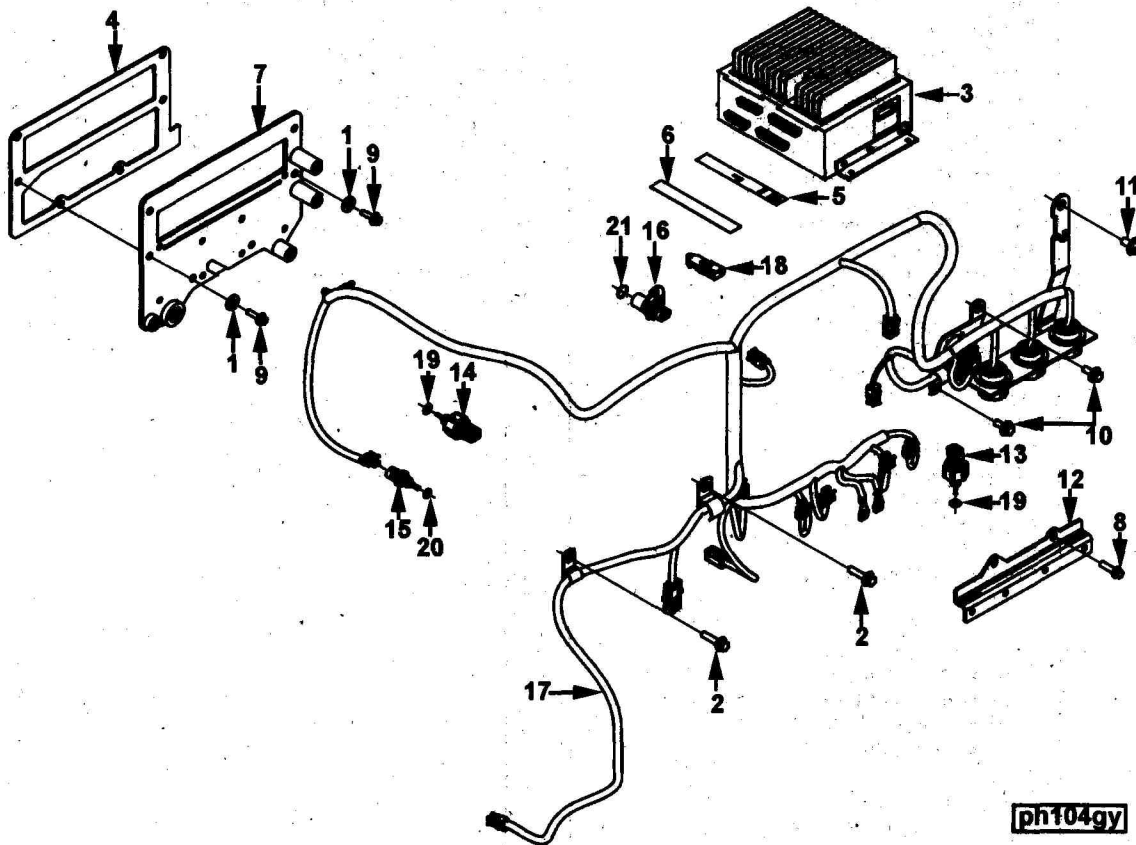
Oil Pan

Option No. OP1493

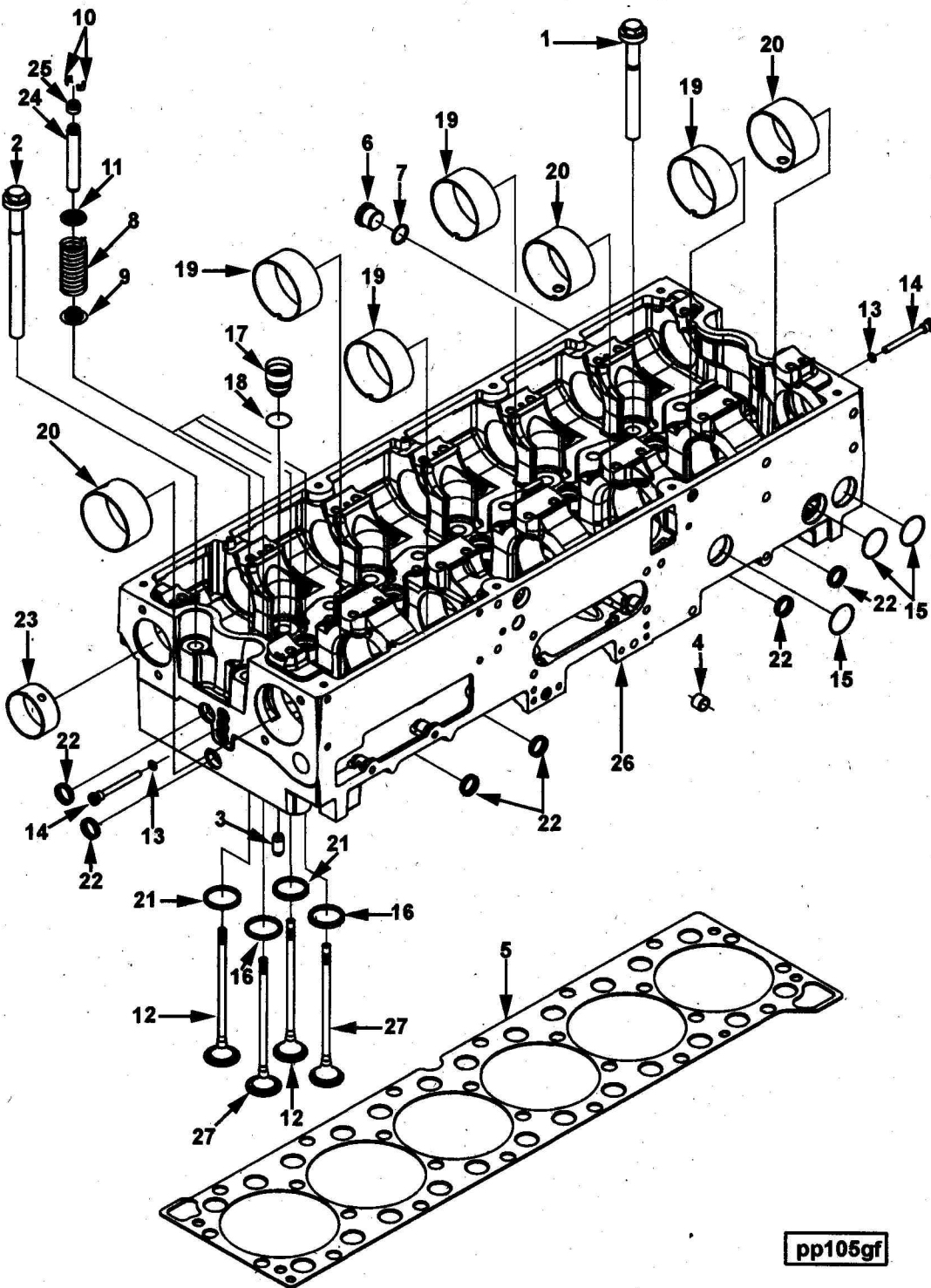
Ref No.	Part Number	Part Name	Req	Remarks
		OIL-PAN OPTION OP1493		Oil pan Sump location: Full sump Material: Cast Aluminum High oil pan capacity: 83.3 L (22.0 gal) Low oil pan capacity: 75.7 L (20.0 gal) Engine capacity: 90.8 L (24 gal) Angularity limits: 45 degrees front down 45 degrees rear down 45 degrees fuel pump down 45 degrees exhaust down Drain location (m27 x 2 straight thread o ring): Side See BR option for additional angularity restrictions
	3103453	Pan, Oil TLA	1	
	3678838	Plug, Threaded	1	
1	(3678845)	Plug, Threaded	1	
2	3678846	Seal, O Ring	1	
	3678921	Plug, Threaded	1	M14 X 1.50
3	3678912	Seal, O Ring	1	
4	(3678922)	Plug, Threaded	1	
	3680534	Plug, Threaded	5	
5	3680533	Plug, Threaded	1	
12	3678606	Seal, O Ring	1	M27 x 2.00
6	3680894	Pan, Oil	1	
7	3678756	Seal, O Ring	1	
8	3679714	Connection, Oil Suction	1	
9	3892692	Screw, Captive Washer Cap	32	M10 x 1.50 x 45
10	3903112	Screw, Hex Flange Head Cap	2	M10 x 1.50 x 30
11	4026684	Gasket, Oil Pan	1	



Ref No.	Part Number	Part Name	Req	Remarks
		ENGINE CONTROL MODULE		
		OPTION PH1771		
				Engine Control Module
				Engine Control System: DOX ECM Version: Dominion
				Module Location (mm): N/A
				Ambient Air Pressure Sensor Included: Yes
				Intake Manifold Temp Sensor Manufact: Kavlico
				3/8 inch
1	146161	Washer, Plain	2	
2	3089016	Screw, Hex Flange Head Cap	1	
3	3680284	Gasket, Etr Control Module	1	
4	3681059	Plate, Cooler	1	
6	4954905	Sensor, Temperature	1	Coolant Temperature Sensor
7	4010519	Seal, O Ring	1	
8	3900630	Screw, Hex Flange Head Cap	4	M8 X 1.25 X 20.
9	3900631	Screw, Hex Flange Head Cap	2	M8 X 1.25 X 25.
10	3903990	Screw, Hex Flange Head Cap	2	M10 X 1.50 X 20.
11	3913372	Screw, Hex Flange Head Cap	1	M12 X 1.75 X 20.
12	4059191	Bracket, Cus Accessory	1	
13	4921473	Sensor, Prs Temperature	1	Boost/Prs/Temp
14	4010519	Seal, O Ring	1	
15	4921475	Sensor, Prs Temperature	1	Oil/Prs/Temp "Ref: 08t19-18"
14	4010519	Seal, O Ring	1	
16	4921599	Sensor, Position	2	Cam/Crank Position
17	4010600	Seal, O Ring	1	
18	(4921600)	Sensor, Position	1	
	4952754	Harness, Wiring	1	
19	69911 A	Clip	1	
20	100269	Clip	1	
21	107460	Clip	1	
22	3062329	Clamp, Wire Tie	3	
23	3076174	Cover, Protective	1	
24	3090846	Screw, Socket Head Cap	4	
25	3102746	Brace, Wiring	1	
26	(3613253)	Plug, Cavity	6	
27	3613298	Connector, Electrical	1	
28	(3613312)	Plug, Cavity	9	
29	(3613382)	Connector, Electrical	1	
30	(3616076)	Connector, Electrical	2	
31	(3616082)	Connector, Electrical	1	
32	(3616616)	Connector, Electrical	1	
33	3617959	Washer, Lock	3	
34	(3654996)	Connector, Electrical	1	
35	(3656410)	Plug, Cavity	2	
36	3681454	Connector, Electrical	1	
37	(3900138)	Retainer, Connector Wiring	1	
38	(3964307)	Tape	1	
39	(3964308)	Retainer, Wire Tie Clamp	1	
40	4022547	Nut, Regular Hexagon	3	
41	4076493	Sensor, Pressure	1	Ambient Air Pressure
42	(4952753)	Harness, Etr Cnt Mdl Wrg	1	
				Note: The information below should provide assistance in type/function of sensors.
	4921473	Sensor, Prs Temperature		Boost/Prs/Temp
	4921475	Sensor, Prs Temperature		Oil/Prs/Temp "Ref: 08t19-18"
	4954905	Sensor, Temperature		Coolant Temperature Sensor
	4076493	Sensor, Pressure		Ambient Air Pressure
	4921599	Sensor, Position		Cam/Crank Position



Ref No.	Part Number	Part Name	Req	Remarks
		ELECTRONIC CONTROL MODULE OPTION PH1772		Engine Control Module Engine Control System: Dox ECM Version: Dominion Module location (MM): NA Ambient Air Pressure Sensor Included: Yes Intake Manifold Temp Sensor Manufact: Kavlico Contains keyed connector kit for OEM harness interface to ECM connectors 03 and 06. 3/8 inch M10 X 1.50 X 35
1	146161	Washer, Plain	2	
2	3089016	Screw, Hex Flange Head Cap	2	
	3101507	Module, Electronic Control	1	
	(3101505)	Data, Bootloader	1	
	(3101506)	Data, Nonvolatile Memory	1	
3	3681541	Module, Electronic Control	1	
4	3680284	Gasket, Etr Control Module	1	
5	3680896	Dataplate	1	
6	(4083211)	Dataplate	1	
7	3681059	Plate, Cooler	1	
8	3900630	Screw, Hex Flange Head Cap	4	M8 X 1.25 X 20
9	3900631	Screw, Hex Flange Head Cap	2	M8 X 1.25 X 25.
10	3903990	Screw, Hex Flange Head Cap	2	M10 X 1.50 X 20
11	3913372	Screw, Hex Flange Head Cap	1	M12 X 1.75 X 20.
12	4059191	Bracket, Cus Accessory	1	
13	4921473	Sensor, Prs Temperature	1	Boost/Prs/Temp
14	4921475	Sensor, Prs Temperature	1	Oil/Prs/Temp "Ref: 08t19-18"
19	4010519	Seal, O Ring	1	
15	4954905	Sensor, Temperature	1	Coolant Temperature Sensor
20	4010519	Seal, O Ring	1	
	4921599	Sensor, Position	2	Cam/Crank Position.
16	(4921600)	Sensor, Position	1	
21	4010600	Seal, O Ring	1	
17	4952754	Harness, Wiring	1	
18	4076493	Sensor, Pressure	1	Ambient Pressure Sensor Note: The information below should provide assistance in type/function of sensors.
	4921473	Sensor, Prs Temperature		Boost/Prs/Temp
	4921475	Sensor, Prs Temperature		Oil/Prs/Temp
	4954905	Sensor, Temperature		Coolant Temperature Sensor
	4076493	Sensor, Pressure		Ambient Air Pressure
	4921599	Sensor, Position		Cam/Crank Position



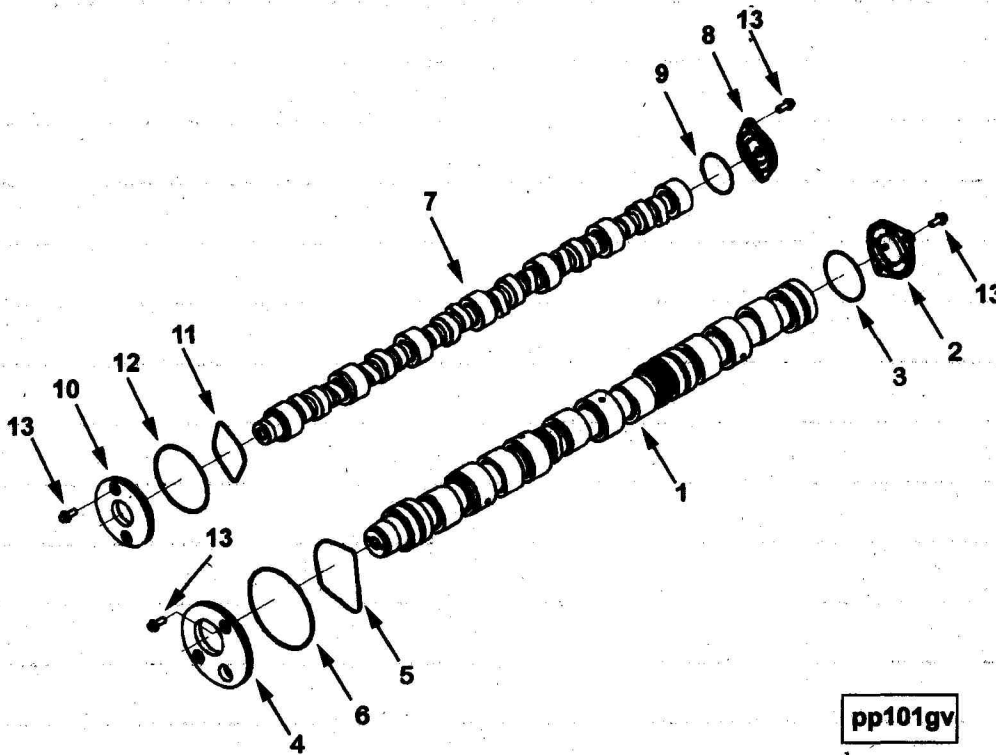
pp105gr

Group No. 02.01

Cylinder Head

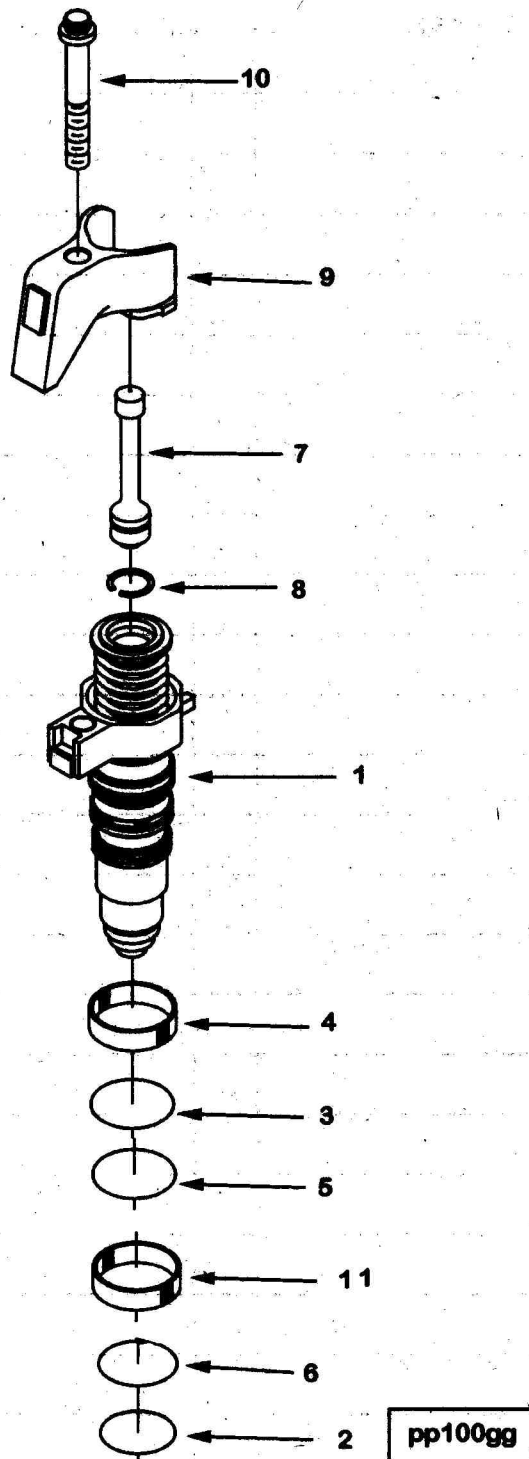
Option No. PP2900

Ref No.	Part Number	Part Name	Req	Remarks
		CYLINDER HEAD		
		OPTION PP2900		
	4962732	Head, Cylinder		Cylinder head
				Recon equivalent 4962732 RX
1	3678506	Screw, Hex Flange Head Cap	22	
2	3678804	Screw, Hex Flange Head Cap	4	
3	3901846	Dowel, Pin	2	
4	3911678	Dowel, Ring	2	
5	4926316	Gasket, Cylinder Head	1	
	3678611	Plug, Threaded	3	
6	(3678605)	Plug, Threaded	1	
7	3678606	Seal, O Ring	1	
8	3679551	Spring, Valve	24	
9	3680318	Guide, Valve Spring	24	
10	3680883	Collet, Valve	48	
11	3680884	Retainer, Valve Spring	24	
12	4101454	Valve, Exhaust	12	
	4920470	Plug, Threaded	6	
13	3678603	Seal, O Ring	6	
14	(4920469)	Plug, Threaded	6	
	(4962731)	Head, Cylinder	1	
15	3015865	Plug, Expansion	7	
16	3104445	Insert, Valve	12	Intake
17	3412352	Sleeve, Injector	6	
18	3678536	Seal, Rectangular Ring	6	
19	3680580	Bushing	4	
20	3680581	Bushing	3	
21	3683349	Insert, Valve	12	Exhaust
22	3813247	Plug, Expansion	21	
23	4026423	Bushing	7	
24	4026657	Guide, Valve Stem	24	
25	4026791	Seal, Valve Stem	24	
26	(4925775)	Head, Cylinder	1	
27	4965868	Valve, Intake	12	



Ref No.	Part Number	Part Name	Req	Remarks
		CAMSHAFT OPTION PP2900		
1	4101449	Camshaft	1	
2	4026588	Cover, Camshaft	1	
3	4101882	Seal, Rectangular Ring	1	
4	3679929	Support, Camshaft Thrust	1	
5	3679931	Gasket, Camshaft Cover	1	
6	3679933	Seal, O Ring	1	
7	4059331	Camshaft	1	Valve
8	4026587	Cover, Camshaft	1	
9	4101881	Seal, Rectangular Ring	1	
10	3679930	Support, Camshaft Thrust	1	
11	3679932	Gasket, Camshaft Cover	1	
12	3679934	Seal, O Ring	1	
13	3902460	Screw, Hex Flange Head Cap	8	M10 x 1.50 x 25

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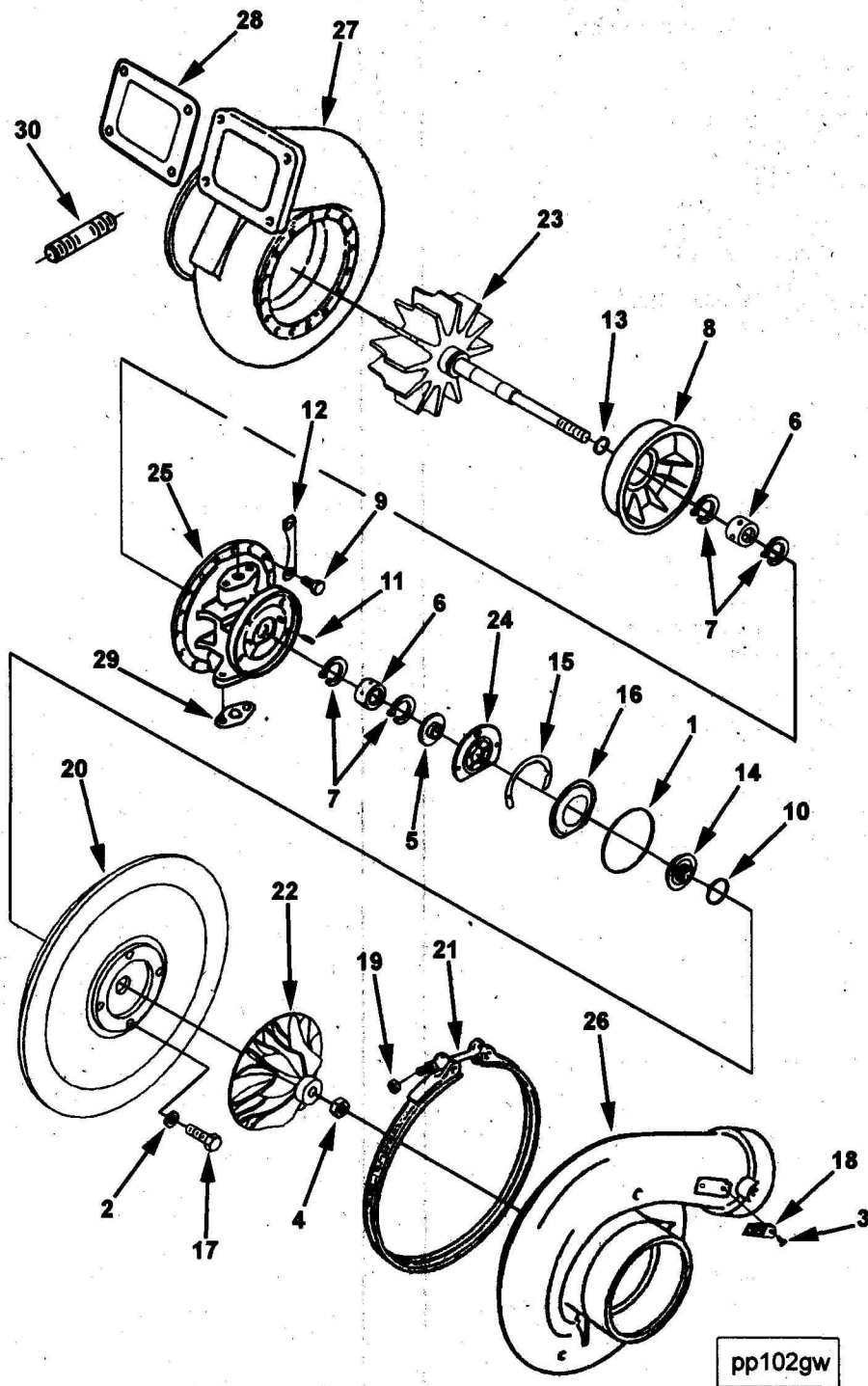


Group No. 06.01

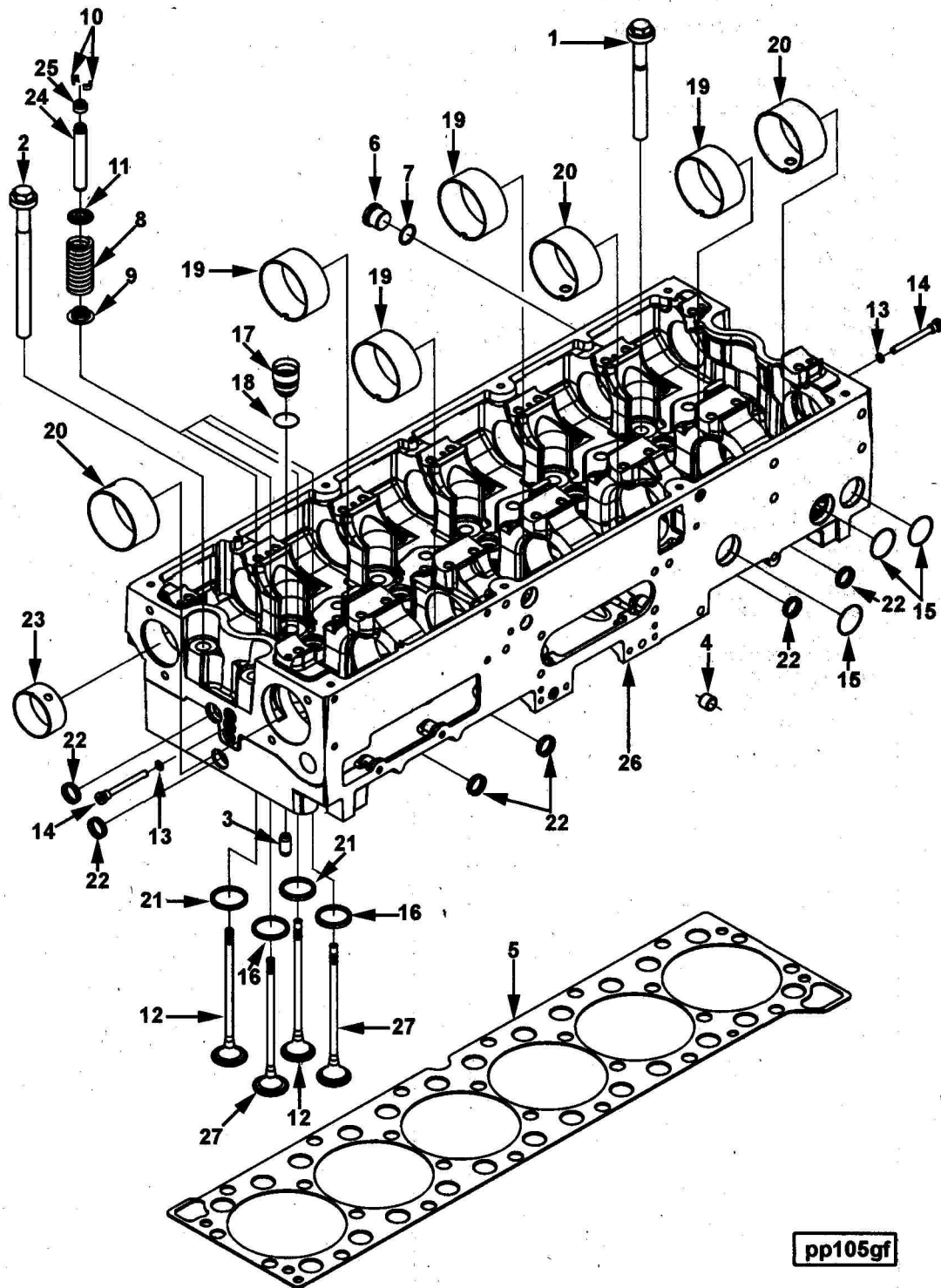
Injector

Option No. PP2900

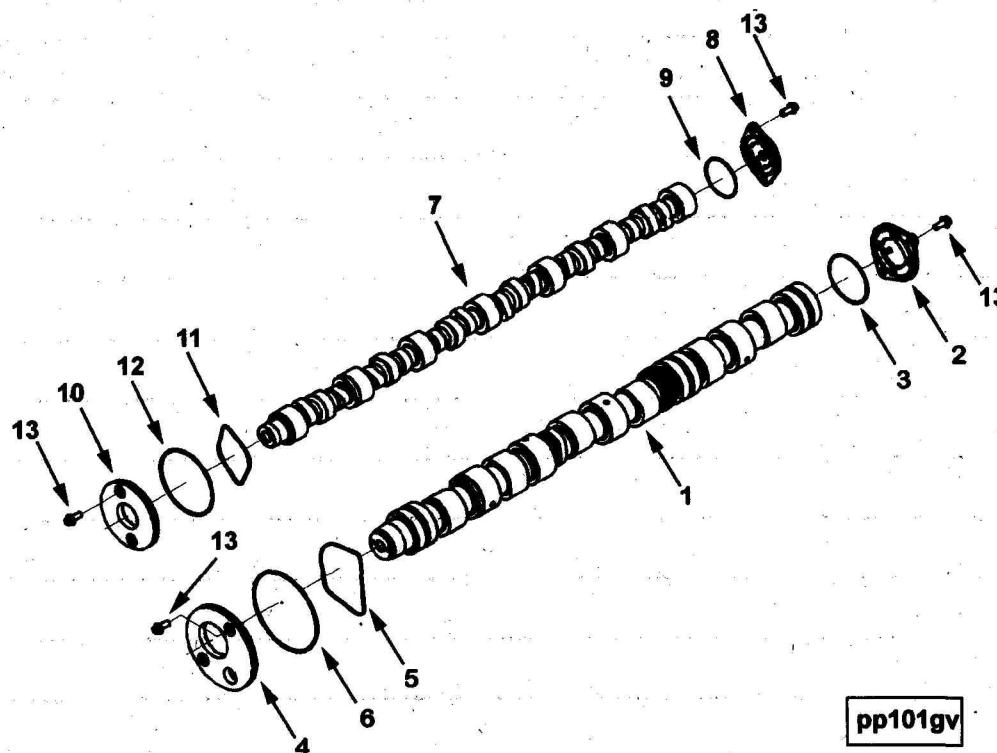
Ref No.	Part Number	Part Name	Req	Remarks
		INJECTOR		
		OPTION PP2900		
1	4062568	Injector	6	
2	3347937	Seal, O Ring	6	Green
3	3347939	Seal, O Ring	6	Black
4	4009692	Screen, Filter	6	
5	3330537	Seal, O Ring	6	
6	3330538	Seal, O Ring	6	
	3347867	Link, Injector Plunger	6	
7	(3330607)	Link, Injector Plunger	6	
8	3867742	Retainer, Injector Link	6	
9	4010231	Clamp, Injector	6	
10	3679102	Screw, Twelve Point Cap	6	
11	3087316	Screen, Filter	6	



Ref No.	Part Number	Part Name	Req	Remarks
		TURBOCHARGER		
		OPTION PP2900		
	4025028	Kit, Turbo	1	
	(3595034)	Turbocharger	1	
1	3502449	Seal, Rectangular Ring	1	
2	3504967	Washer, Plain	4	M8
3	3519163	Screw, Drive	2	
4	3519535	Nut, Lock	1	M11 x 1.00
5	3591522	Collar, Thrust	1	
6	(3598528)	Bearing, Turbocharger	2	
7	3519641	Ring, Retaining	4	
8	3536588	Shield, Turbocharger Heat	1	
9	3521225	Screw, Hexagon Head Set	8	M8 x 1.25 x 16
10	3521442	Seal, Split Ring	1	
11	3522597	Pin, Roll	2	
12	3522904	Lockplate	4	
13	3523412	Seal, Split Ring	1	
14	3523980	Slinger, Oil	1	
15	3524418	Shim	1	
16	3524419	Baffle, Oil	1	
17	3525073	Screw, Hexagon Head Set	4	M8 x 1.25 x 25
18	(3527619)	Dataplate	1	
19	3529372	Nut, Regular Hexagon	1	1/4 - 28 UNF.
20	3532593	Diffuser, Turbocharger	1	
21	3532617	Clamp, V Band	1	
22	3593179	Impeller, Tur Compressor	1	
23	(3535977)	Shaft & Wheel	1	
24	3536914	Bearing, Tur Thrust	1	
25	3594556	Housing, Tur Bearing	1	
26	(4045407)	Housing, Compressor	1	
27	3591172	Housing, Turbine	1	
28	3171368	Gasket, Turbocharger	1	
29	201048	Gasket, Connection	1	
30	4965730	Stud	4	
	3818824	Nut, Hexagon Flange	4	M10 x 1.50

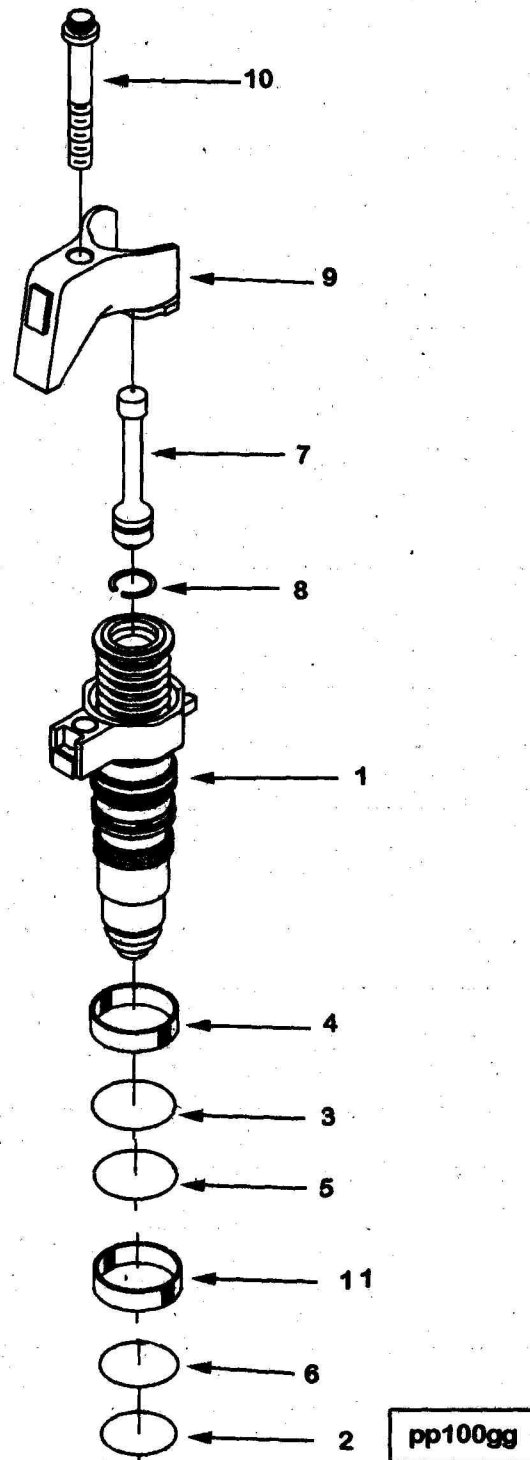


Ref No.	Part Number	Part Name	Req	Remarks
		CYLINDER HEAD		
		OPTION PP8081		
	4962732	Head, Cylinder		Recon equivalent 4962732 RX
1	3678506	Screw, Hex Flange Head Cap	22	
2	3678804	Screw, Hex Flange Head Cap	4	
3	3901846	Dowel, Pin	2	
4	3911678	Dowel, Ring	2	
5	4926316	Gasket, Cylinder Head	1	
	3678611	Plug, Threaded	3	
6	(3678605)	Plug, Threaded	1	
7	3678606	Seal, O Ring	1	
8	3679551	Spring, Valve	24	
9	3680318	Guide, Valve Spring	24	
10	3680883	Collet, Valve	48	
11	3680884	Retainer, Valve Spring	24	
12	4101454	Valve, Exhaust	12	
	4920470	Plug, Threaded	6	
13	3678603	Seal, O Ring	6	
14	(4920469)	Plug, Threaded	6	
	(4962731)	Head, Cylinder	1	
15	3015865	Plug, Expansion	7	
16	3104445	Insert, Valve	12	Intake
17	3412352	Sleeve, Injector	6	
18	3678536	Seal, Rectangular Ring	6	
19	3680580	Bushing	4	
20	3680581	Bushing	3	
21	3683349	Insert, Valve	12	Exhaust
22	3813247	Plug, Expansion	21	
23	4026423	Bushing	7	
24	4026657	Guide, Valve Stem	24	
25	4026791	Seal, Valve Stem	24	
26	(4925775)	Head, Cylinder	1	
27	4965868	Valve, Intake	12	



Ref No.	Part Number	Part Name	Req	Remarks
		CAMSHAFT		
		OPTION PP8081		
1	3100363	Camshaft	1	
2	4026588	Cover, Camshaft	1	
3	4101882	Seal, Rectangular Ring	1	
4	3679929	Support, Camshaft Thrust	1	
5	3679931	Gasket, Camshaft Cover	1	
6	3679933	Seal, O Ring	1	
7	4059331	Camshaft	1	Valve
8	4026587	Cover, Camshaft	1	
9	4101881	Seal, Rectangular Ring	1	
10	3679930	Support, Camshaft Thrust	1	
11	3679932	Gasket, Camshaft Cover	1	
12	3679934	Seal, O Ring	1	
13	3902460	Screw, Hex Flange Head Cap	8	M10 x 1.50 x 25

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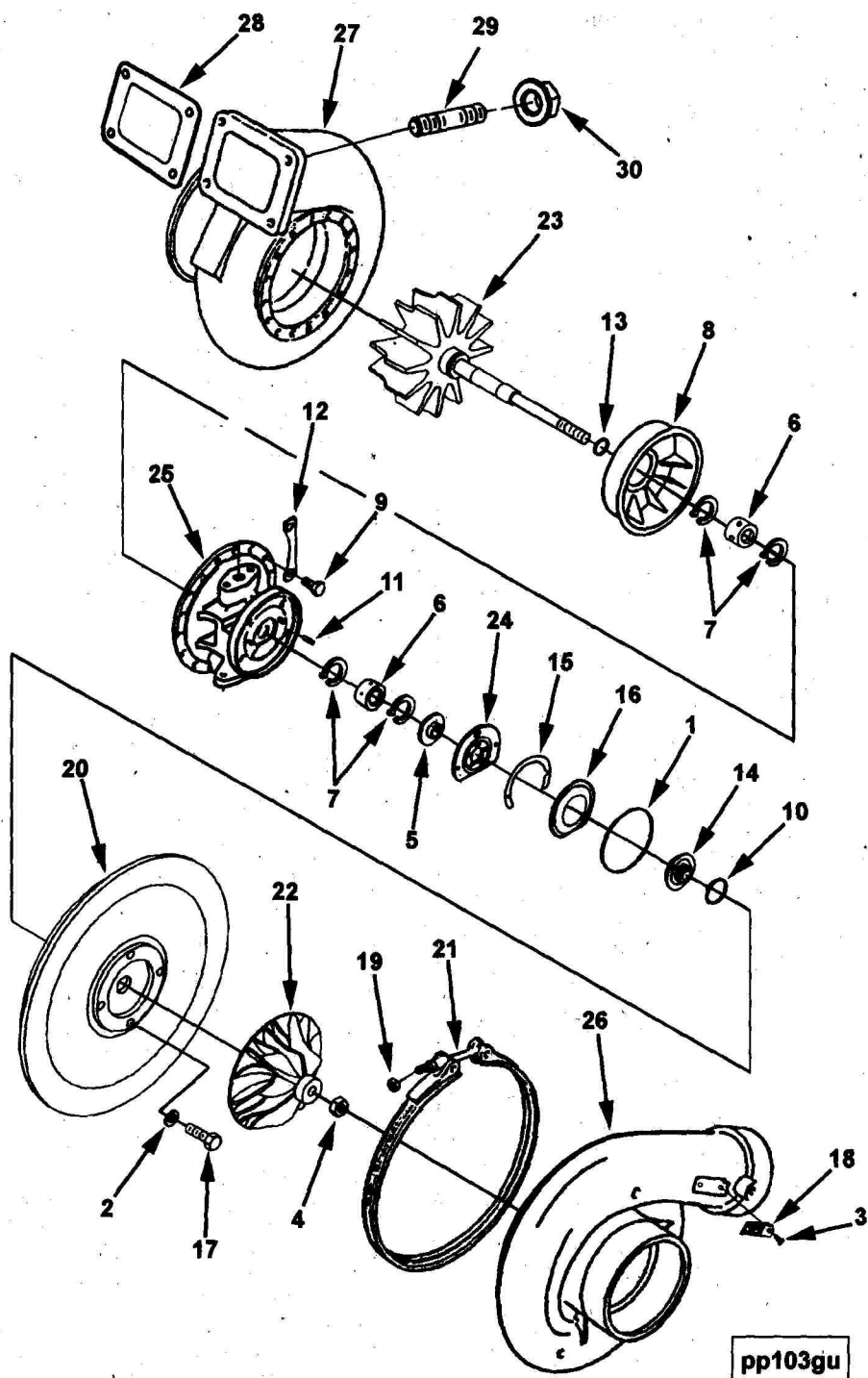


Group No. 06.01

Injector

Option No. PP8081

Ref No.	Part Number	Part Name	Req	Remarks
		INJECTOR		
		OPTION PP8081		
1	4062569	Injector	6	
2	3347937	Seal, O Ring	6	Green
3	3347939	Seal, O Ring	6	Black
4	4009692	Screen, Filter	6	
5	3330537	Seal, O Ring	6	
6	3330538	Seal, O Ring	6	
7	(3330607)	Link, Injector Plunger	6	
8	3867742	Retainer, Injector Link	6	
9	4010231	Clamp, Injector	6	
10	3679102	Screw, Twelve Point Cap	6	
11	3087316	Screen, Filter	6	

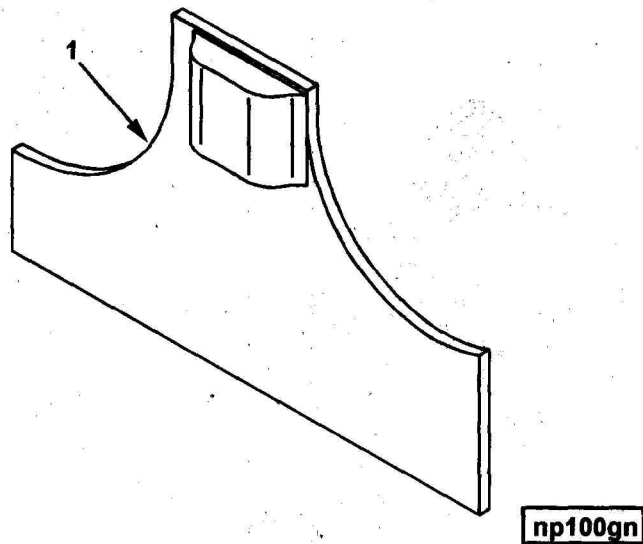


Group No. 10.06

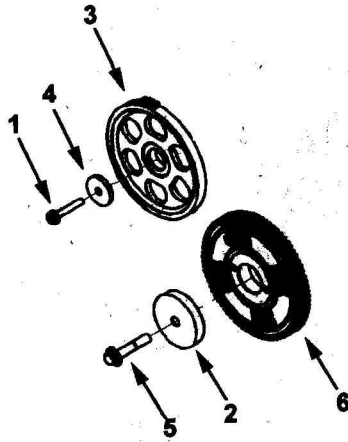
Turbocharger

Option No. PP8081

Ref No.	Part Number	Part Name	Req	Remarks
		TURBOCHARGER		
		OPTION PP8081		
	4025027 (3594195)	Kit, Turbo Turbocharger	1 1	HX82-A4011BG/BA25GA for Apex powergen 1500 RPM (50HZ) engine. To replace ID17 3592880.
1	3502449	Seal, Rectangular Ring	1	
2	3504967	Washer, Plain	4	
3	3519163	Screw, Drive	2	
4	3519535	Nut, Lock	1	M11 X 1.00.
5	3591522	Collar, Thrust	1	
6	(3598528)	Bearing, Turbocharger	2	
7	3519641	Ring, Retaining	4	
8	3536588	Shield, Turbocharger Heat	1	
9	3521225	Screw, Hexagon Head Set	8	M8 X 1.25 X 16.
10	3521442	Seal, Split Ring	1	
11	3522597	Pin, Roll	2	
12	3522904	Lockplate	4	
13	3523412	Seal, Split Ring	1	
14	3523980	Slinger, Oil	1	
15	3524418	Shim	1	
16	3524419	Baffle, Oil	1	
17	3525073	Screw, Hexagon Head Set	4	M8 X 1.25 X 25.
18	(3527619)	Dataplate	1	
19	3529372	Nut, Regular Hexagon	1	1/4 - 28 UNF
20	3532593	Diffuser, Turbocharger	1	
21	3532617	Clamp, V Band	1	
22	(3593178)	Impeller, Tur Compressor	1	
23	3521033	Shaft & Wheel	1	
24	3536914	Bearing, Tur Thrust	1	
25	3594556	Housing, Tur Bearing	1	
26	(4045408)	Housing, Compressor	1	
27	3591301	Housing, Turbine	1	
28	3171368	Gasket, Turbocharger	1	
29	4965730	Stud	4	
30	3818824	Nut, Hexagon Flange	4	M10 x 1.50
	3800192	Kit, PDC		
	201048	Gasket, Connection	1	
	201049	Gasket, Connection	1	
	206576	Gasket, Turbocharger	1	
	3023066	Seal, O Ring	2	
	3088371	Seal, Dust	1	

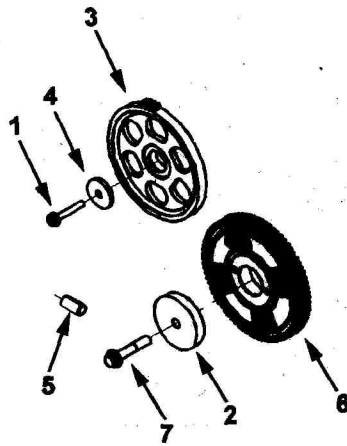


Ref No.	Part Number	Part Name	Req	Remarks
1	3681792	NOISE ISOLATOR OPTION PP8081 Isolator, Noise	1	



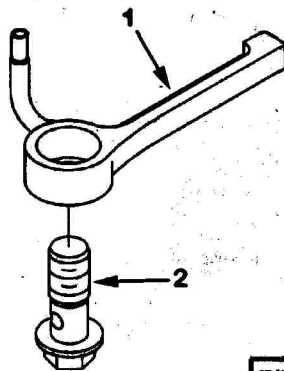
pp100gt

Ref No.	Part Number	Part Name	Req	Remarks
		CAMSHAFT GEAR OPTION PP10161		Camshaft gear injector (scissor) and valve camshaft gears. Standard on isx2, signature product and qsx industrial engines with standard breather or impactor breather.
1	3678882	Screw, Hex Flange Head Cap	1	
2	4985116	Retainer, Gear	1	
3	3680522	Gear, Camshaft	1	
4	3680802	Washer, Plain	1	
5	3680817	Screw, Hex Flange Head Cap	1	
6	4101850	Gear, Camshaft	1	



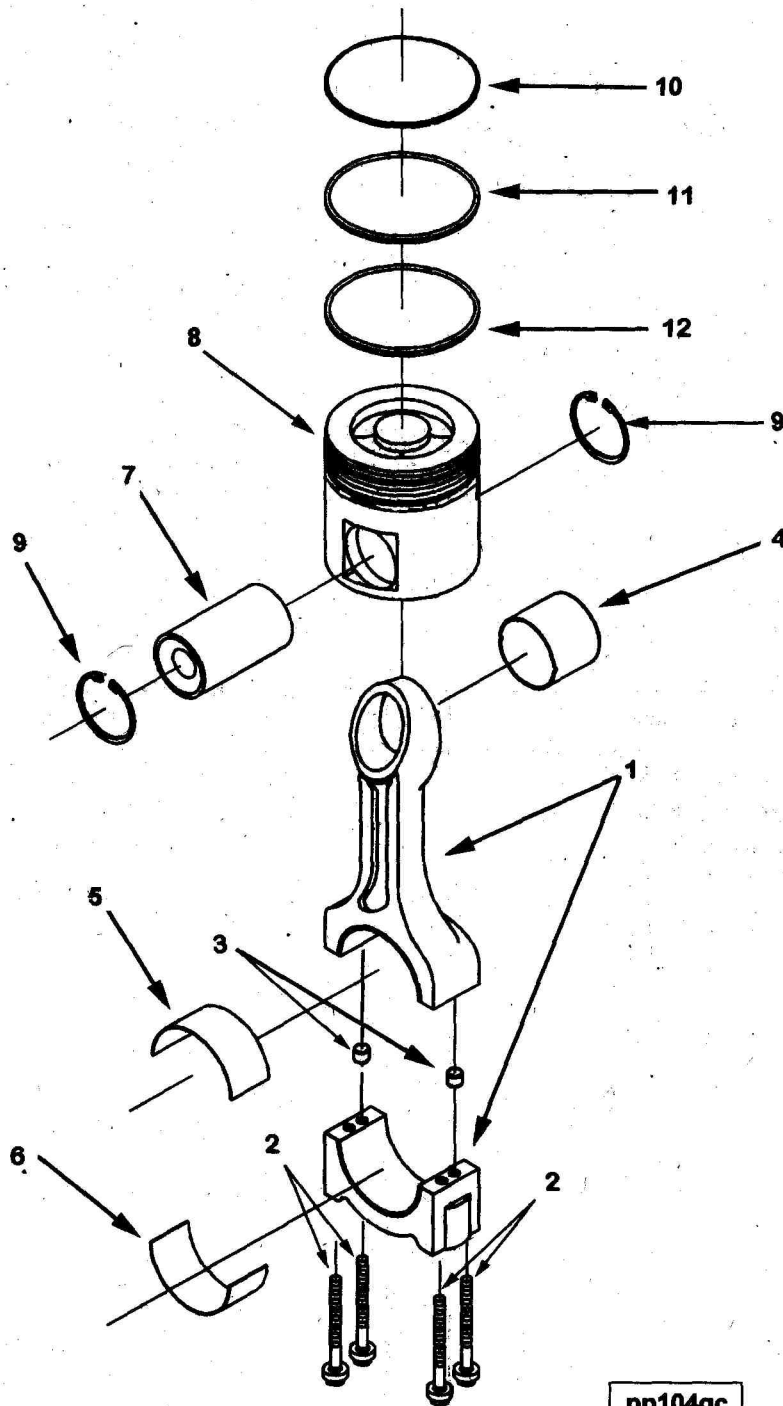
pp104ge

Ref No.	Part Number	Part Name	Req	Remarks
		CAMSHAFT GEAR OPTION PP10203		
1	3678882	Screw, Hex Flange Head Cap	1	Camshaft gear injector (scissor) and valve camshaft gears. Used on qsx engines with rotating breather. Injector
2	3681400	Retainer, Gear	1	
3	4985116	Retainer, Gear	1	
4	3102739	Spacer, Mounting	1	
5	(3102740)	Spacer, Mounting	1	
6	100128	Pin, Roll	1	
7	4101850	Gear, Camshaft	1	
	3680817	Screw, Hex Flange Head Cap	1	



pp100gd

Ref No.	Part Number	Part Name	Req	Remarks
		PISTON COOLING NOZZLE		
		OPTION PP10224		
1	3412860	Nozzle, Piston Cooling	6	
2	3679037	Screw, Hex Flange Head Cap	6	



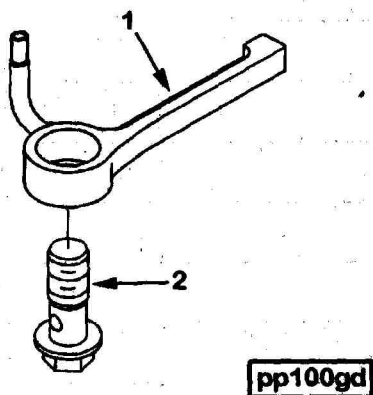
pp104gc

Group No. 01.05

Engine Piston

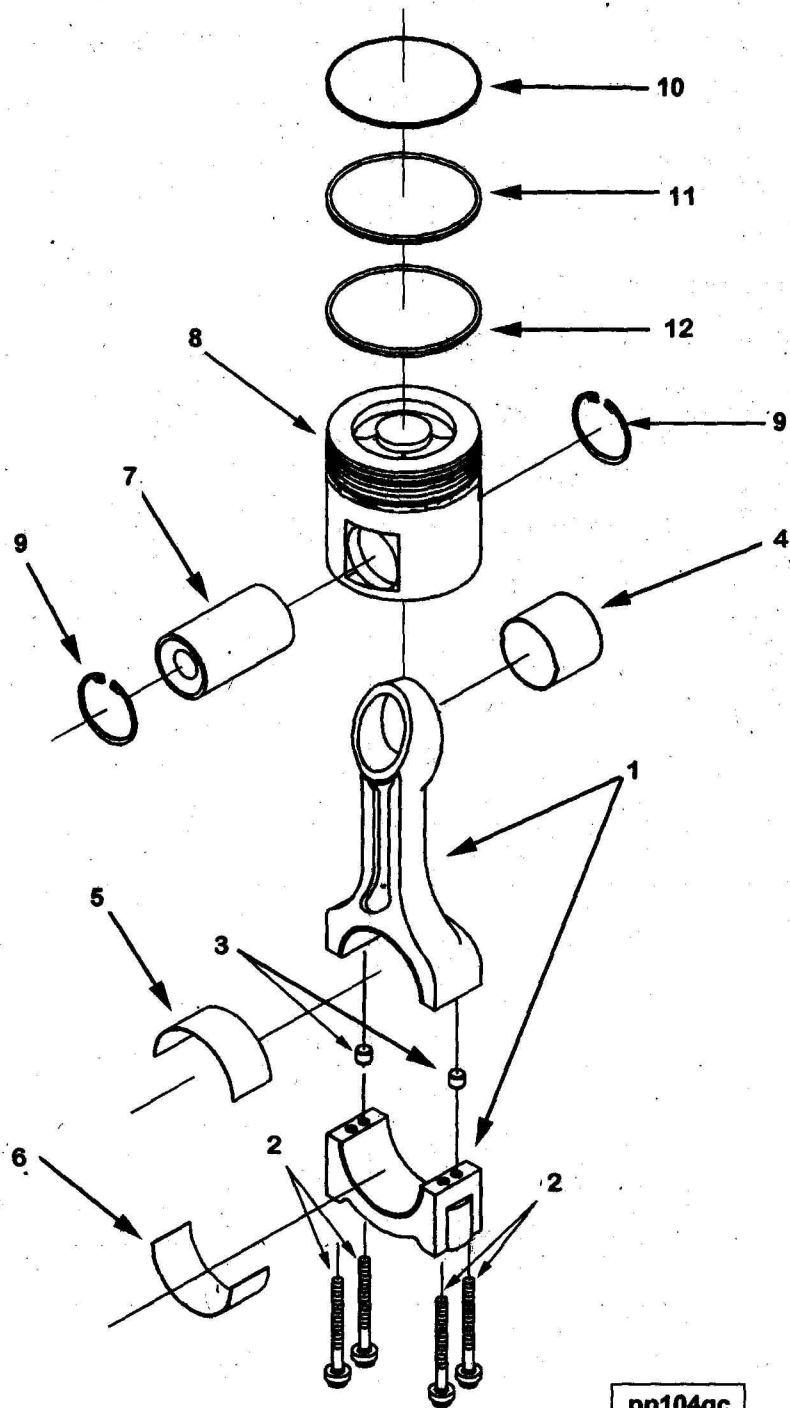
Option No. PP10224

Ref No.	Part Number	Part Name	Req	Remarks
		ENGINE PISTON		
		OPTION PP10224		
				Engine Piston
				CPL: 2825, 8081, 8142, 8469, 8571, 8587, 8588.
				Recon equivalent 4059429 NX
1	(4059429)	Rod, Engine Connecting	6	
2	(4059449)	Rod, Engine Connecting	6	
3	3678574	Screw, Connecting Rod Cap	4	
3	3678739	Dowel, Ring	2	
4	(4059448)	Bushing	1	
5	(4925971)	Bearing, Connecting Rod	6	Serviced as 4089405.
6	(4925975)	Bearing, Connecting Rod	6	Serviced as 4089405.
7	4923748	Pin, Piston	6	
8	(4923744)	Piston, Engine	6	
9	3064305	Ring, Retaining	12	
10	3684010	Ring, Compression Piston	6	
11	(3681078)	Ring, Compression Piston	6	
12	(3682398)	Ring, Oil Piston	6	
	4089405	Set, Rod Bearing (STD)	6	
	4925971	Bearing, Connecting Rod	6	
	(4925975)	Bearing, Connecting Rod	6	Serviced as 4089405.
	4089406	Set, Piston Ring	6	
	(3682398)	Ring, Oil Piston	1	
	3683008	Ring, Compression Piston	1	
	(3681078)	Ring, Compression Piston	1	
	4089895	Kit, Engine Piston	6	
	3064305	Ring, Retaining	2	
	(4923744)	Piston, Engine	1	
	4923748	Pin, Piston	1	
	4089406	Set, Piston Ring	1	



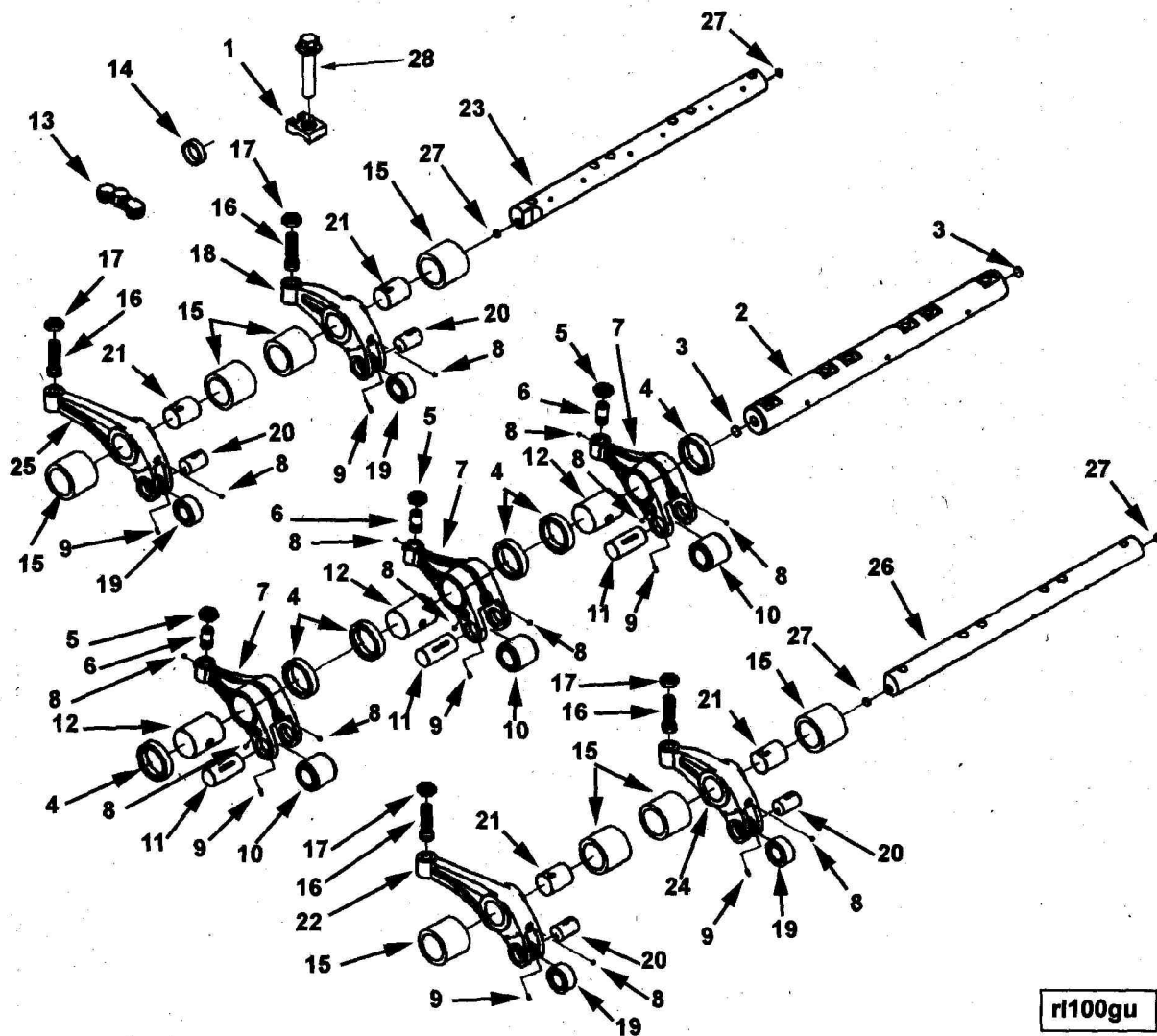
Ref No.	Part Number	Part Name	Req	Remarks
		PISTON COOLING NOZZLE OPTION PP10226		
1	3412860	Nozzle, Piston Cooling	6	
2	3679037	Screw, Hex Flange Head Cap	6	

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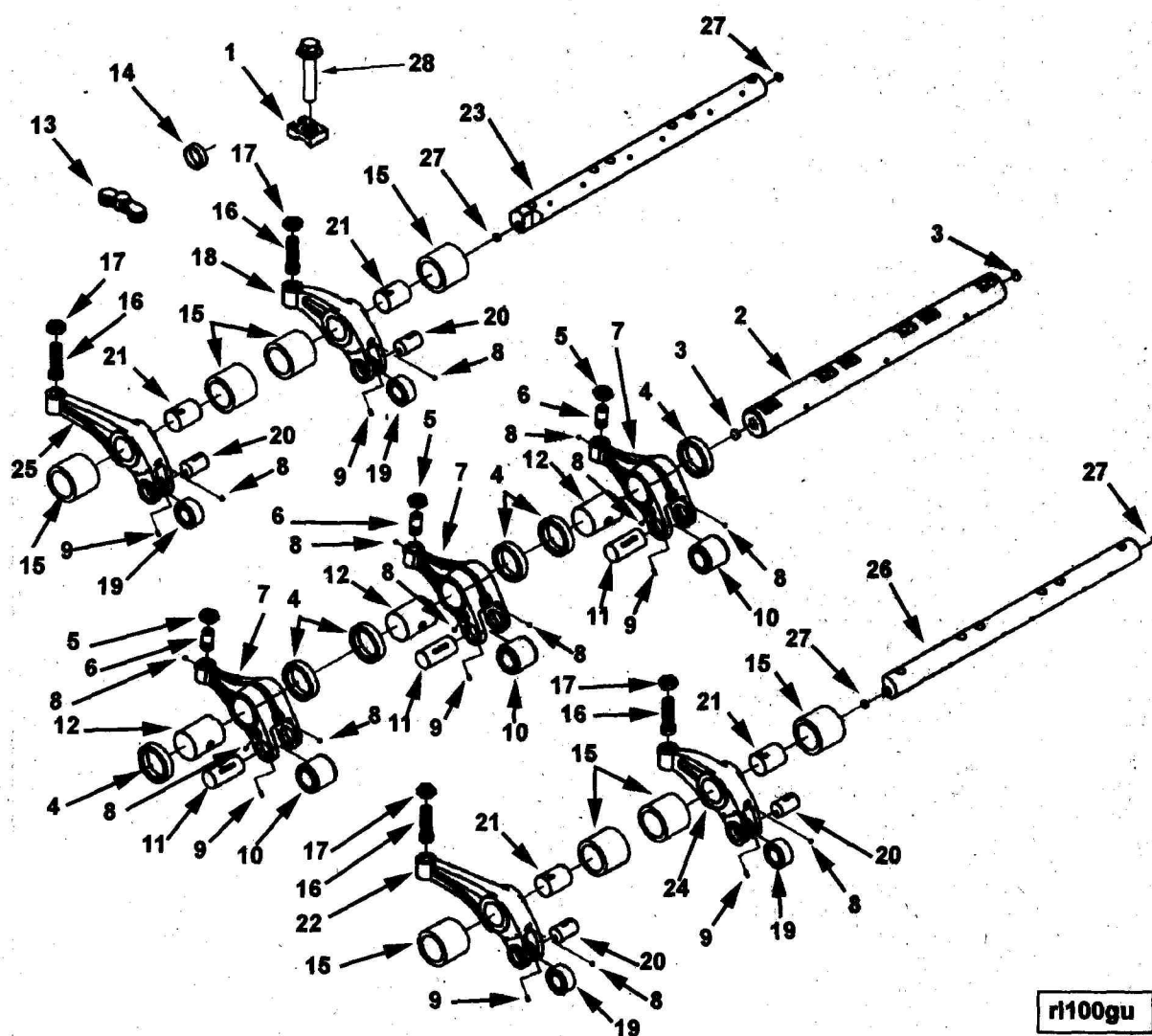
pp104gc

Ref No.	Part Number	Part Name	Req	Remarks
		ENGINE PISTON		
		OPTION PP10226		
				Piston, engine
				CPL: 2834, 2835, 2836, 2837, 2900, 8246, 8247.
				Recon equivalent 4059429 NX
1	(4059429)	Rod, Engine Connecting	6	
2	(4059449)	Rod, Engine Connecting	6	
3	3678574	Screw, Connecting Rod Cap	4	
4	3678739	Dowel, Ring	2	
5	(4059448)	Bushing	1	
6	(4925971)	Bearing, Connecting Rod	6	Serviced as 4089405.
7	(4925975)	Bearing, Connecting Rod	6	Serviced as 4089405.
8	4923748	Pin, Piston	6	
9	4923746	Piston, Engine	6	
10	3064305	Ring, Retaining	12	
11	3684010	Ring, Compression Piston	6	
12	(3681078)	Ring, Compression Piston	6	
	(3682398)	Ring, Oil Piston	6	
	4089405	Set, Rod Bearing (STD)	6	
	(4925971)	Bearing, Connecting Rod	6	Serviced as 4089405.
	(4925975)	Bearing, Connecting Rod	6	Serviced as 4089405.
	4089406	Set, Piston Ring	6	
	(3682398)	Ring, Oil Piston	1	Serviced as mult kits.
	3683008	Ring, Compression Piston	1	Serviced as mult kits.
	(3681078)	Ring, Compression Piston	1	Serviced as 4089406.
	4089897	Kit, Engine Piston	6	
	3064305	Ring, Retaining	2	
	4923746	Piston, Engine	1	
	4923748	Pin, Piston	1	
	4089406	Set, Piston Ring	1	



rl100gu

Ref No.	Part Number	Part Name	Req	Remarks
		ROCKER LEVER OPTION RL1724		
				Use on engines without engine brake.
1	3679427 (4101461)	Clamp, Retaining Assembly, Rocker Lvr TLA	12 1	
2	3679418	Shaft, Rocker Lever	1	
3	(3105972)	Plug, Drive	2	
4	4059197	Spacer, Thrust Ring	6	
	3680169	Lever, Rocker	3	Injector
5	3680057	Nut, Regular Hexagon Jam	1	
6	3680058	Screw, Rkr Lever Adjusting	1	
7	(3680167)	Lever, Rocker	1	
8	3067941	Plug, Ball	3	
9	(3679504)	Pin, Spiral	1	
10	3679868	Roller, Cam Follower	1	
11	3679869	Pin, Cam Follower Roller	1	
12	3679870	Bushing	1	
13	4059342 (4101462)	Crosshead, Valve Assembly, Rocker Lvr TLA	12 1	
2	3679418	Shaft, Rocker Lever	1	
3	(3105972)	Plug, Drive	2	
4	4059197	Spacer, Thrust Ring	6	
	3680169	Lever, Rocker	3	Injector
5	3680057	Nut, Regular Hexagon Jam	1	
6	3680058	Screw, Rkr Lever Adjusting	1	
7	(3680167)	Lever, Rocker	1	
8	3067941	Plug, Ball	3	
9	(3679504)	Pin, Roll	1	
10	(3679868)	Roller, Cam Follower	1	
11	(3679869)	Pin, Cam Follower Roller	1	
12	(3679870)	Bushing	1	
14	3680732 (4101459)	Plug, Expansion Assembly, Rocker Lvr TLA	1 1	
15	3679561	Spacer, Thrust Ring	3	
	4972816	Lever, Rocker	3	
8	3067941	Plug, Ball	2	
16	4059377	Screw, Rkr Lever Adjusting	1	
17	3679694	Nut, Regular Hexagon Jam	1	
18	4059294	Lever, Rocker	1	
19	(4965762)	Roller, Cam Follower	1	
20	(4026779)	Pin, Cam Follower Roller	1	
21	4059282	Bushing	1	
9	(3679504)	Pin, Roll	1	
	4972818	Lever, Rocker	3	
16	4059377	Screw, Rkr Lever Adjusting	1	
17	3679694	Nut, Regular Hexagon Jam	1	
22	4059351	Lever, Rocker	1	
8	3067941	Plug, Ball	2	
19	(4965762)	Roller, Cam Follower	1	
20	4026780	Pin, Cam Follower Roller	1	
21	4059282	Bushing	1	
9	(3679504)	Pin, Spiral	1	
23	4059283 (4101460)	Shaft, Rocker Lever Assembly, Rocker Lvr TLA	1 1	
15	3679561	Spacer, Thrust Ring	3	
	4972817	Lever, Rocker	3	
16	4059377	Screw, Rkr Lever Adjusting	1	
17	3679694	Nut, Regular Hexagon Jam	1	
24	4059297	Lever, Rocker	1	
8	3067941	Plug, Ball	2	

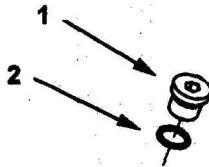


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Rocker Lever

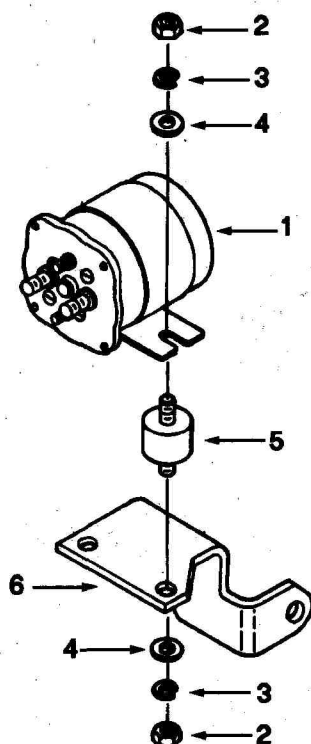
Option No. RL1724

Ref No.	Part Number	Part Name	Req	Remarks
9	(3679504)	Pin, Roll	1	
19	(4965762)	Roller, Cam Follower	1	
20	4026780	Pin, Cam Follower Roller	1	
21	4059282	Bushing	1	
	4972819	Lever, Rocker	3	
25	4059353	Lever, Rocker	1	
8	3067941	Plug, Ball	2	
9	(3679504)	Pin, Roll	1	
16	4059377	Screw, Rkr Lever Adjusting	1	
17	3679694	Nut, Regular Hexagon Jam	1	
19	(4965762)	Roller, Cam Follower	1	
20	(4026779)	Pin, Cam Follower Roller	1	
21	4059282	Bushing	1	
26	4059288	Shaft, Rocker Lever	1	
27	(3680954)	Plug, Drive	4	
28	3681221	Screw, Hex Flange Head Cap	24	



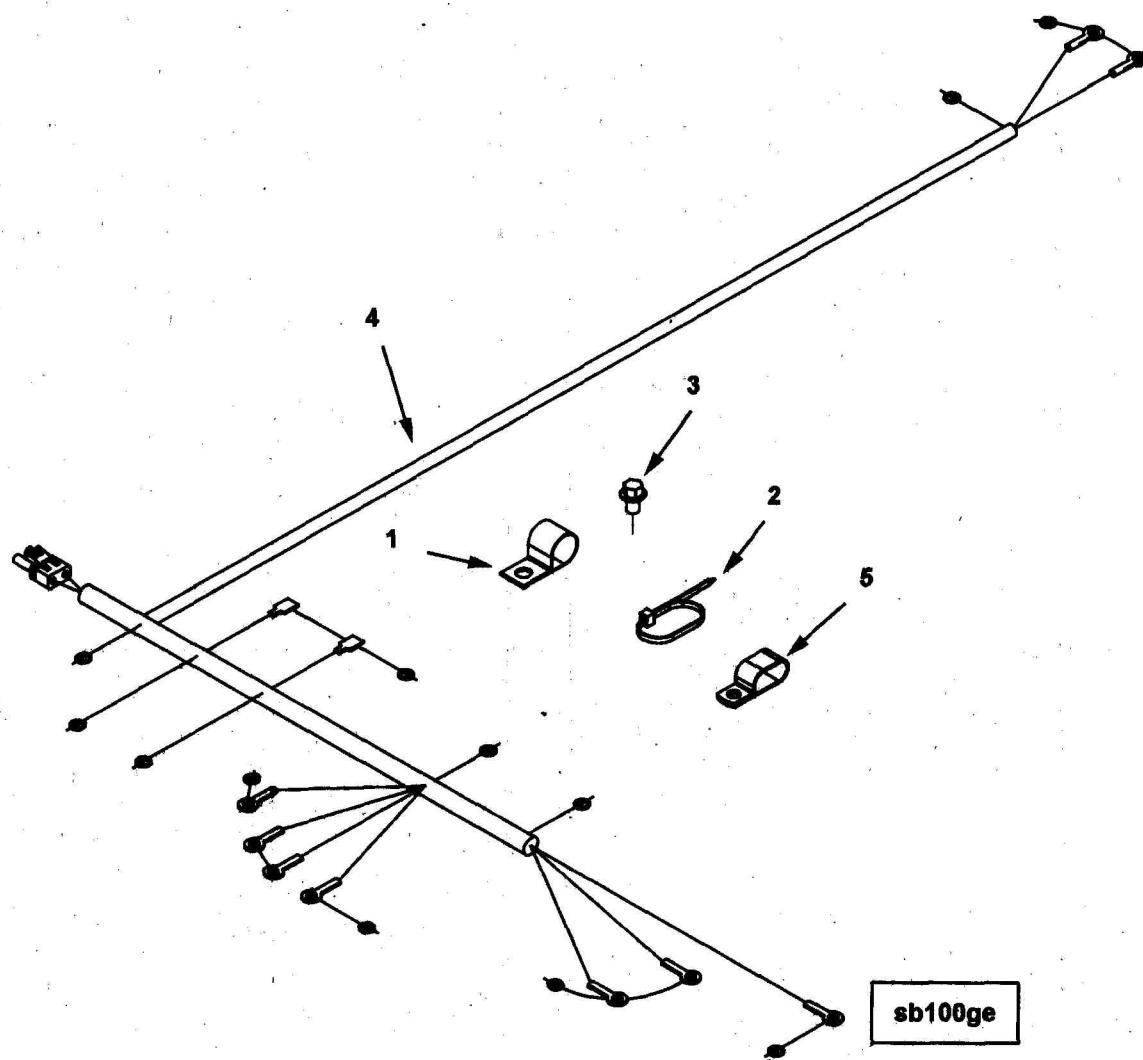
lg106gg

Ref No.	Part Number	Part Name	Req	Remarks
		RADIATOR PLUMBING OPTION RP1003		
1	3678838	Plug, Threaded	1	Customer supplied plumbing, if required.
2	3678846	Seal, O Ring	1	Water Connection: Plugged.



es100ge

Ref No.	Part Number	Part Name	Req	Remarks
		ELECTRIC STARTING ACC. OPTION SB1002		Ele starting accessories Integrated idle management system: No Component supplied: starter switch Starter switch type: Electric relay (magnetic) Magnetic switch mounting location: Starter mounting flange Voltage: 24 Amps: 200 Starter engagement: Positive Starter quantity: 1 Starter ground location: external Starter switch supplied: mounted
1	3050692	Switch, Magnetic	1	
2	S 224	Nut, Heavy Hexagon	4	1/4 - 20 UNC.
3	S 600	Washer, Lock	4	1/4 inch
4	S 631	Washer, Plain	4	1/4 inch
5	3408250	Isolator, Vibration	2	
6	3062483	Bracket, Magnetic Switch	1	

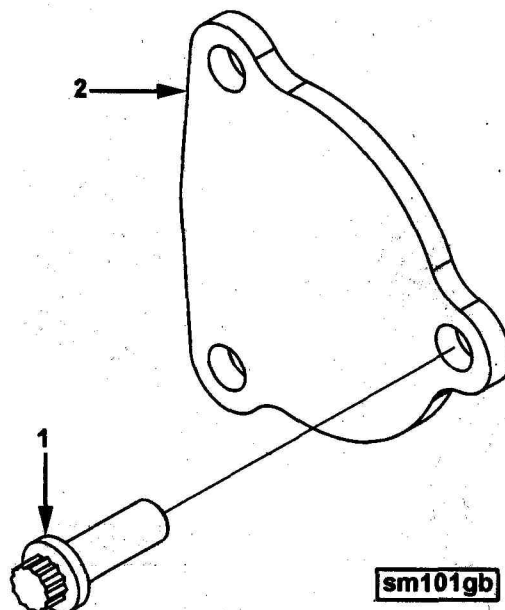


Group No. 13.11

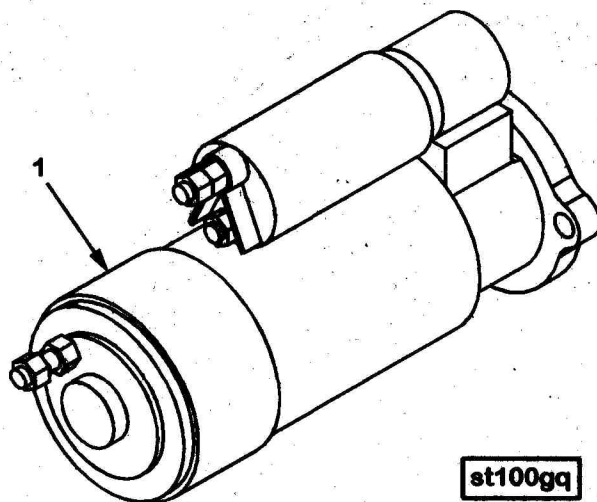
Electric Starting Accessories

Option No. SB1018

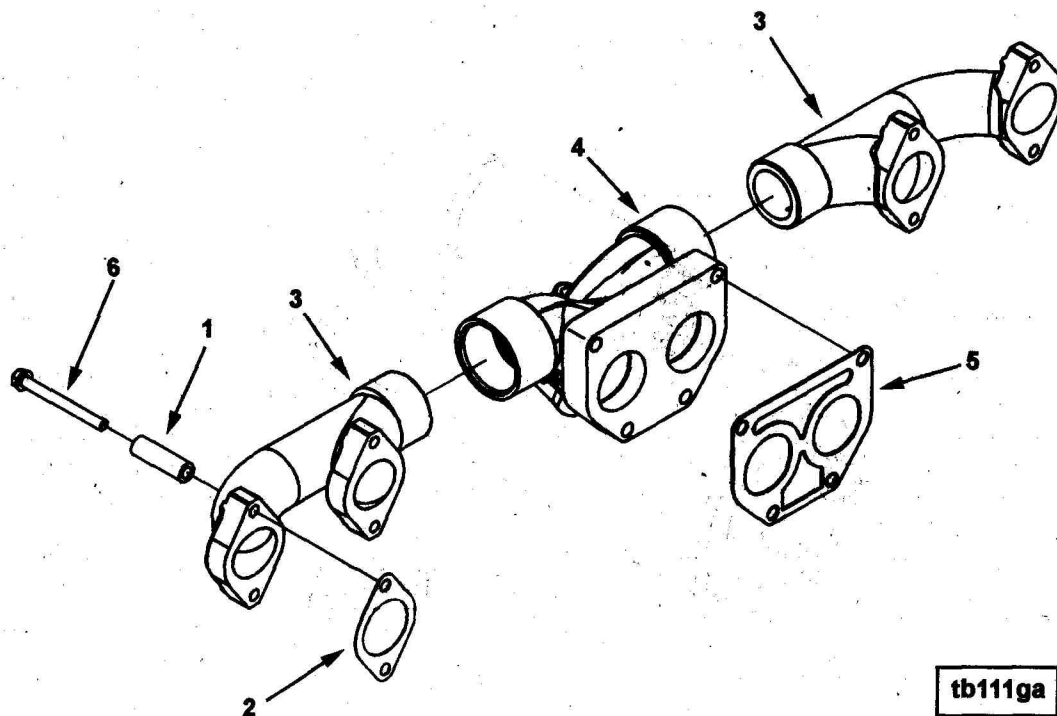
Ref No.	Part Number	Part Name	Req	Remarks
		ELECTRIC STARTING ACC. OPTION SB1018		Starting and charging harness for qsx15-g engines with starter mounted on right side of engine.
1	107460	Clip	1	
2	3062329	Clamp, Wire Tie	17	
3	3093957	Screw, Hex Flange Head Cap	2	
4	3103945	Harness, Wiring	1	
5	4004888	Clip	1	



Ref No.	Part Number	Part Name	Req	Remarks
		STARTING MOTOR MOUNTING OPTION SM1742		Starter Motor Mounting Cummins Supplied Mounting Screws: English (in) Clutch Provision: Dry For use with Cummins or customer supplied single starting motor on cast iron flywheel housing with dual starter provision. (Includes Cover Plate)
1	3103423	Screw, Twelve Point Cap	3	
2	206389	Cover, Starter Flange	1	



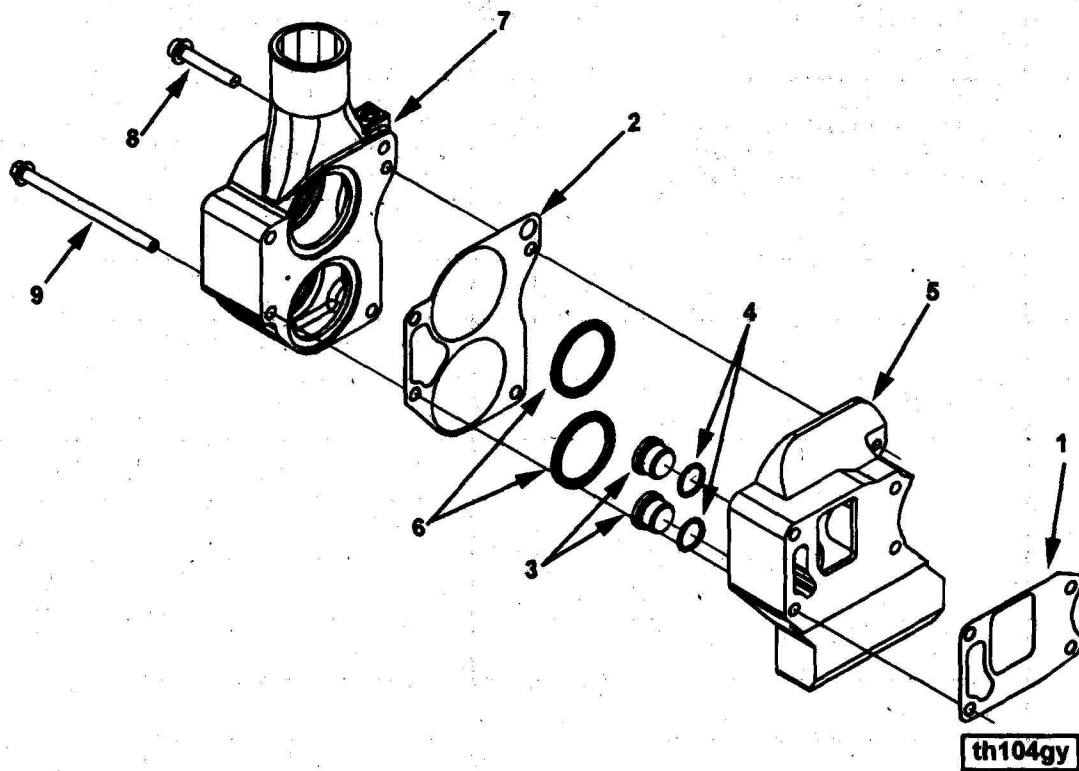
Ref No.	Part Number	Part Name	Req	Remarks
		STARTING MOTOR OPTION ST1363		
1	4078512	Motor, Starting	1	Manufacturer: Manufactured by Delco Remy, branded for Cummins Model: DR42 MT400 Voltage: 24 Rotation: Right Hand Solenoid Angle (degrees): 277.5 Length: 393.45mm (15.5in) Power Supply: Electric Starter location: Engine right.



tb111ga

Ref No.	Part Number	Part Name	Req	Remarks
		TURBOCHARGER ARRANGEMENT OPTION TB1410		
1	4965512	Spacer, Mounting	12	Turbocharger Location: Mid Engine Exhaust Direction: Front Out Holset Turbocharger Model HX82
2	4907447	Gasket, Exhaust Manifold	4	
3	3680200	Manifold, Exhaust	2	
4	3681490	Manifold, Exhaust	1	
5	4907448	Gasket, Exhaust Manifold	1	
6	4965698	Screw, Hex Flange Head Cap	12	

1202

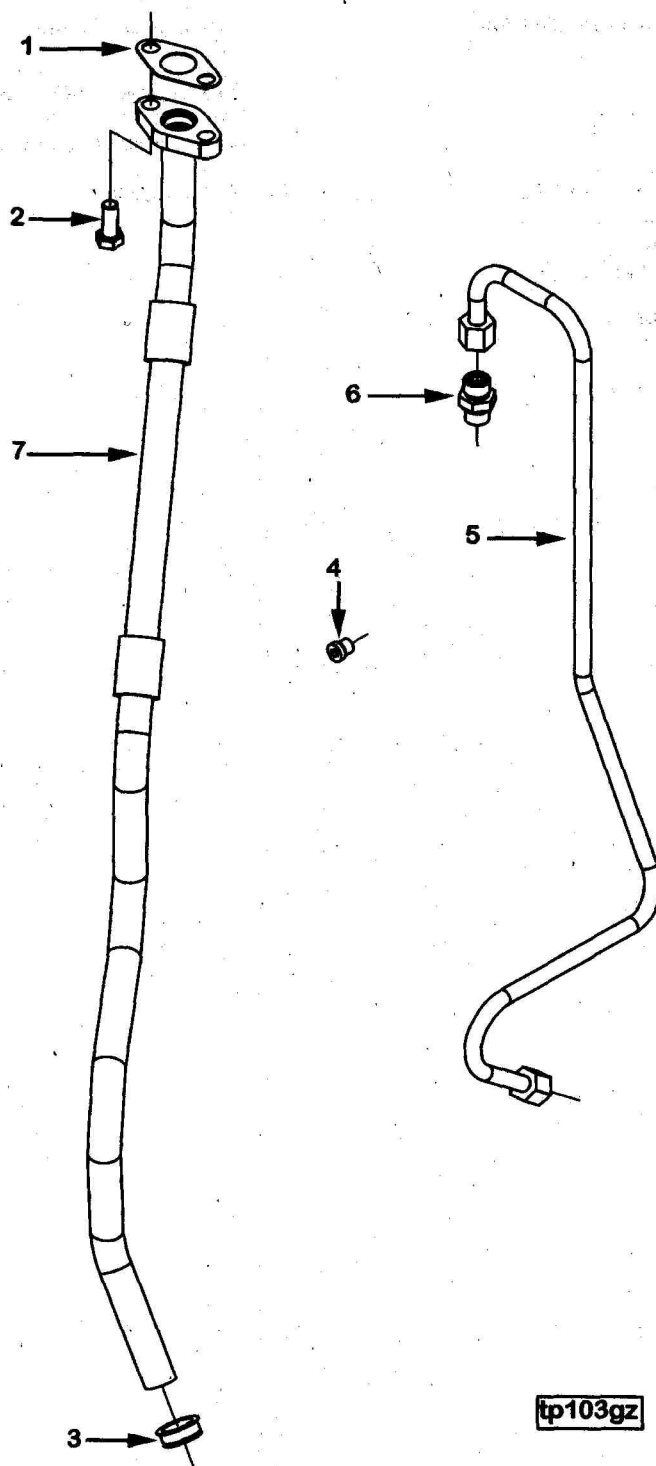


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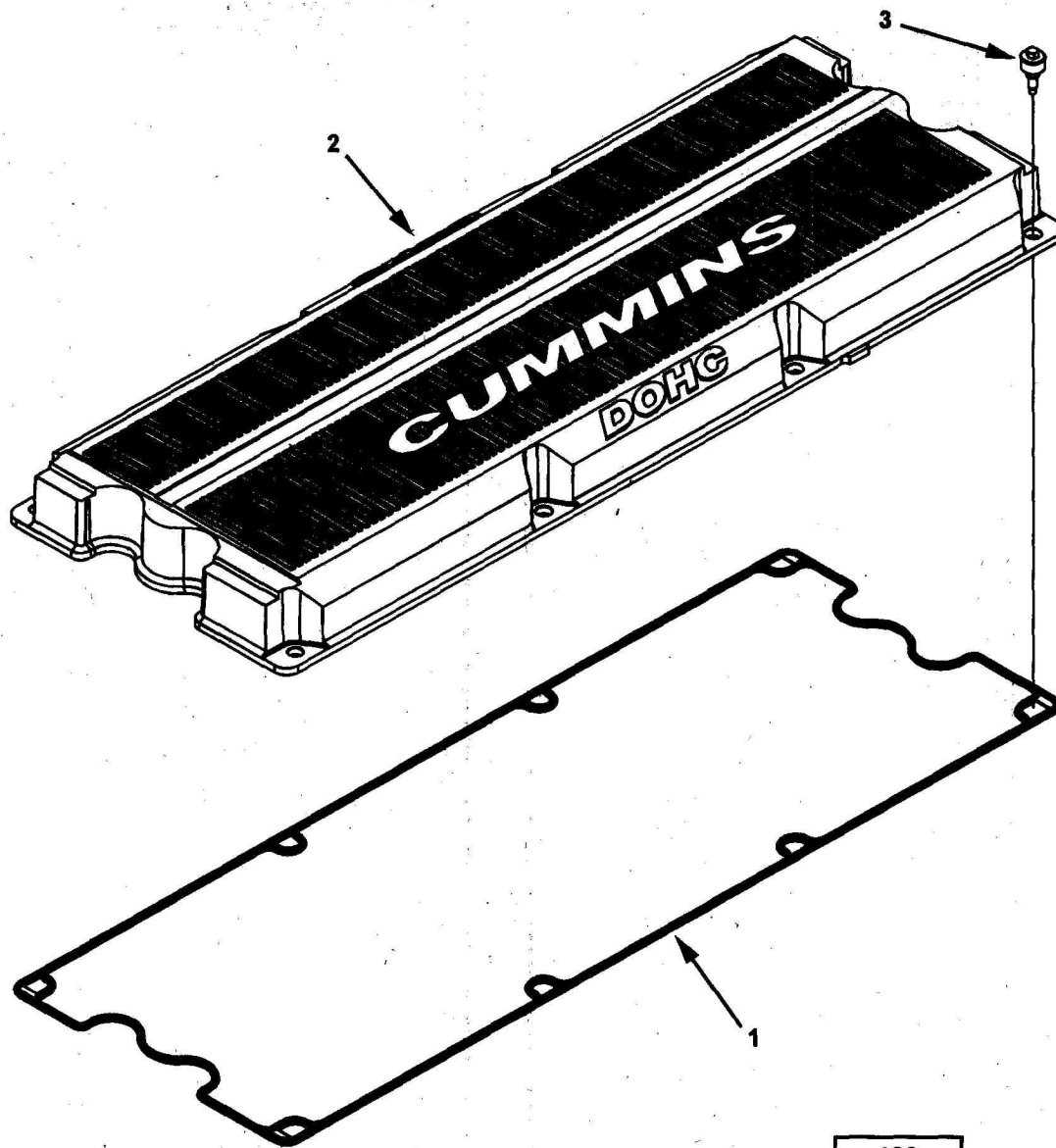
Thermostat Housing

Option No. TH1156

Ref No.	Part Number	Part Name	Req	Remarks
		THERMOSTAT HOUSING OPTION TH1156		Thermostat Housing One thermostat housing with two thermostats and cast in water outlet connection pointed up. Water Outlet Connection Outside Diameter 2.5 in. Unique Characteristics: Vertical Water Vent Port (M12 Stor).
1	3684336	Gasket, Thermostat Housing	1	
2	3680602	Gasket, Thm Housing Cover	1	
	3680773	Housing, Thermostat	1	
	3678611	Plug, Threaded	2	
3	3678605	Plug, Threaded	2	
4	3678606	Seal, O Ring	2	
5	3680599	Housing, Thermostat	1	
	3681787	Cover, Thermostat Housing	1	
6	3084879	Seal, Thermostat	2	
7	4059212	Cover, Thermostat Housing	1	
8	3904446	Screw, Hex Flange Head Cap	4	M10 X 1.50 X 70.
9	3904987	Screw, Hex Flange Head Cap	2	M10 X 1.50 X 150.



Ref No.	Part Number	Part Name	Req	Remarks
		TURBOCHARGER PLUMBING OPTION TP1756		Turbocharger Plumbing Oil Supply and Drain Lines Turbocharger: HX82 FG Front-out exhaust turbocharger plumbing for use with die cast lube oil cooler/filter head.
1	201048	Gasket, Connection	1	
2	3093743	Screw, Hexagon Head Cap	2	M10 x 1.50 x 25.
3	3678762	Seal, Grommet	1	
4	3678923	Plug, Threaded	1	
5	3681976	Tube, Tur Oil Supply	1	
6	3090400	Union, Male	1	
7	4952234	Connection, Tur Oil Drain	1	



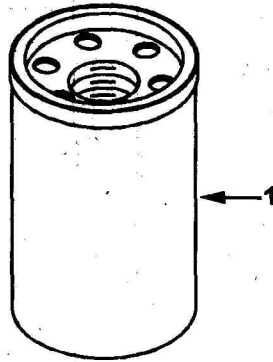
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Group No. 03.01.1

Valve Cover

Option No. VC1072

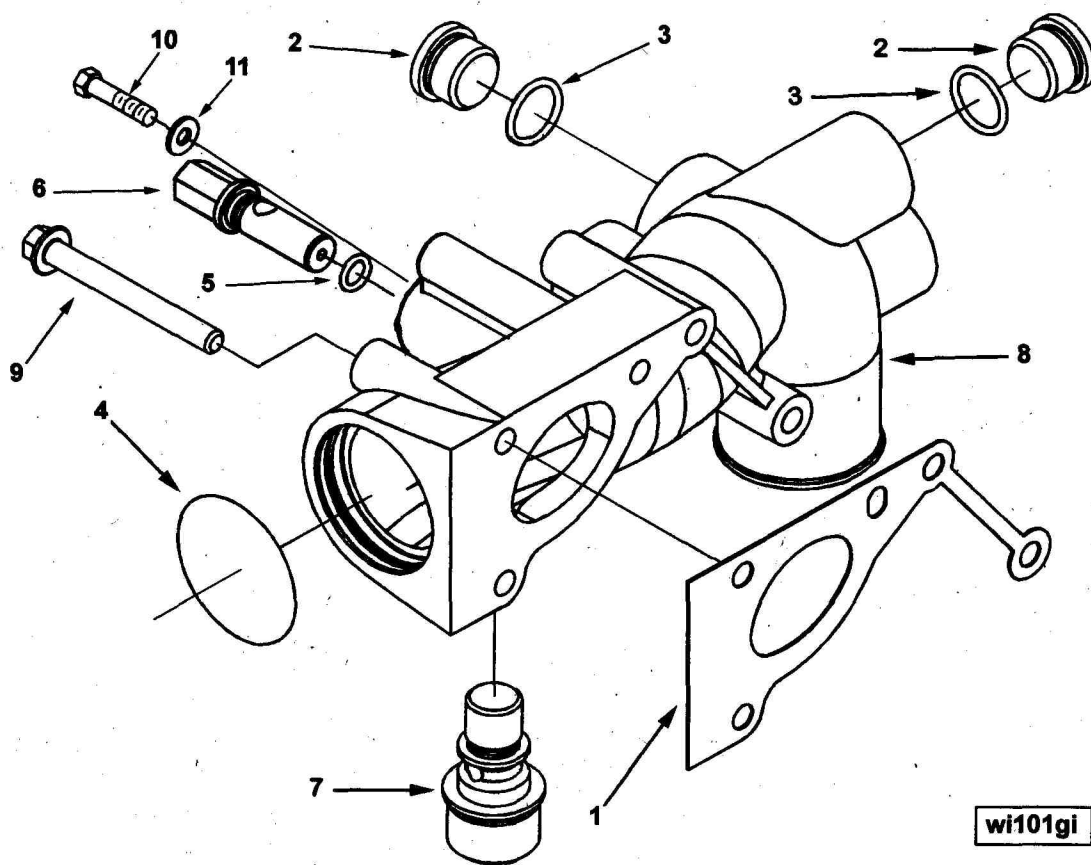
Ref No.	Part Number	Part Name	Req	Remarks
		VALVE COVER OPTION VC1072		Valve Cover Material: Plastic Oil Filler: No Unique Characteristics: Without Gasket Groove Use with Carrier-Type Gasket
1	3104387	Cover, Valve	1	
2	3104392	Gasket, Valve Cover	1	
3	(3104391)	Cover, Valve	1	
	3104388	Isolator, Vibration	8	



wf103gf

Ref No.	Part Number	Part Name	Req	Remarks
1	4907485	CORROSION RESISTOR OPTION WF1241 Resistor, Corrosion	1	Corrosion Resistor Buy from Cummins Filtration. For use with fully formulated coolants (with additives) meeting TMC RP329 or 330. TMC RP302 low silicate coolants requires RP328 additives. Suitable for 50,000 mile/ 4000 hr service interval

NOTES



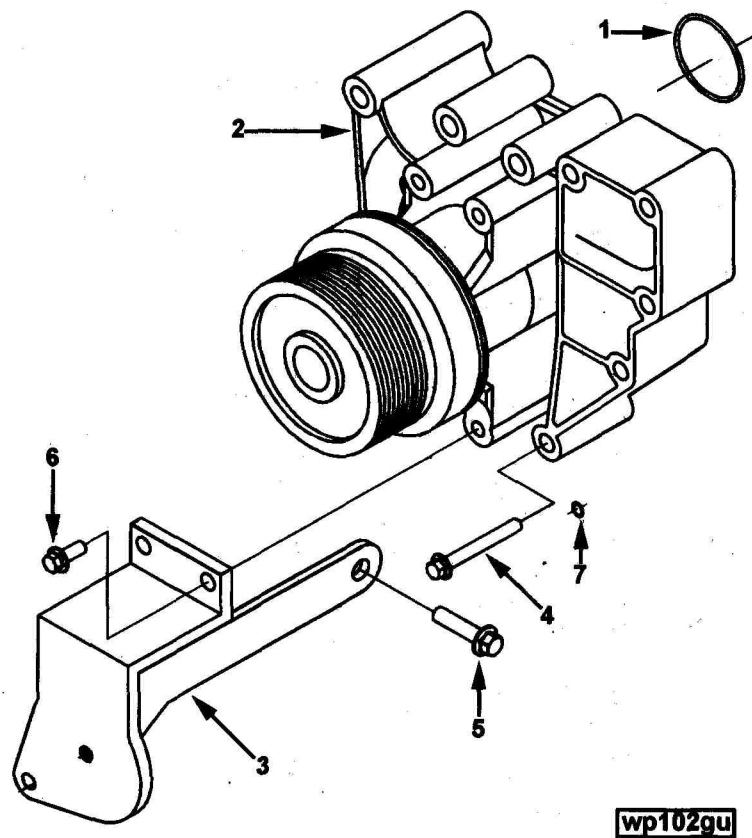
wi101gi

Group No. 08.07.1

Water Inlet Connection

Option No. WI1076

Ref No.	Part Number	Part Name	Req	Remarks
		WATER INLET CONNECTION		
		OPTION WI1076		
				Water Inlet Connection
				45 Degree Aluminum Connection 2.5 in. ID.
				Connection Mounted Pointing Down
1	3684338	Gasket, Connection	1	
	3681156	Connection, Water Inlet		
2	3678611	Plug, Threaded	3	
3	3678606	Seal, O Ring	1	M27 x 2.00
4	4059172	Seal, O Ring	1	Water pump inlet connection
5	3966716	Seal, O Ring	1	
6	3412920	Shaft, Shutoff Valve	1	
7	3680293	Adapter, Filter Head	1	
8	(3681446)	Connection, Water Inlet	1	
9	3093936	Screw, Hex Flange Head Cap	4	
10	3900626	Screw, Hex Flange Head Cap	1	M6 x 1.00 x 12
11	3062100	Washer, Plain	1	1/4 Inch.



wp102gu

Ref No.	Part Number	Part Name	Req	Remarks
		WATER PUMP OPTION WP1730		Water Pump Unique Characteristics: High Flow for Belt Drive Fan Drives Does Not Include Dust Shield
1	3678724	Seal, O Ring	1	Water pump to block
2	(4920464)	Pump, Water	1	Serviced as 4089909.
3	3681191	Bracket, Belt Tensioner	1	
4	3896408	Screw, Hex Flange Head Cap	2	
5	3681390	Screw, Hex Flange Head Cap	1	M10 X 1.50 X 150.
6	3093936	Screw, Hex Flange Head Cap	2	
7	3009330	Washer, Plain	1	M10
	4089909	Pump, Water		Recon equivalent 4089909 NX
	(4920464)	Pump, Water	1	Serviced as 4089909.
	3678724	Seal, O Ring	1	Water pump to block
	4059172	Seal, O Ring	1	
	4090022	Kit, Water Repair	1	
	4059172	Seal, O Ring	1	Water pump inlet connection
	3678724	Seal, O Ring	1	Water pump to block
	3679751	Seal, O Ring	1	Water pump cover plate
	3680737	Ring, Retaining	1	
	3680410	Cover, Water Pump	1	

Group No. 17.02

Gasket Set

Ref No.	Part Number	Part Name	Req	Remarks
		GASKET SET		
	4955590	Set, Lower Engine Gskt	1	
	3102109	Seal, O Ring	2	
	3103015	Seal, Grommet	2	
	3104232	Gasket, Lub Oil Clr Hsg	1	
	3678606	Seal, O Ring	1	
	3678724	Seal, O Ring	1	
	3678756	Seal, O Ring	1	
	3678846	Seal, O Ring	1	
	3678912	Seal, O Ring	1	
	3684338	Gasket, Connection	1	
	4026684	Gasket, Oil Pan	1	
	4059172	Seal, O Ring	1	Water pump inlet connection
	4089757	Gasket, Gear Housing	1	
	4955383	Kit, Front Crank Seal	1	
	4962722	Seal, Rectangular Strip	1	
	4965569	Kit, Seal & Spacer	1	
	4965688	Gasket, Flywheel Housing	1	
	4965690	Gasket, Acc Drive Support	1	

Group No. 17.02

Gasket Set

Ref No.	Part Number	Part Name	Req	Remarks
		GASKET SET		
	4955594	Set, Upper Engine Gasket		Eng. Built Prior to 08-27-01.
	3042544	Seal, O Ring	1	
	3330537	Seal, O Ring	6	
	3330538	Seal, O Ring	6	
	3347937	Seal, O Ring	6	Green
	3347939	Seal, O Ring	6	Black
	(3412426)	Seal, Secondary Combustion	6	
	(3678751)	Seal, Combustion	6	
	3678762	Seal, Grommet	1	
	3678770	Gasket, Connection	1	
	3679931	Gasket, Camshaft Cover	1	
	3679932	Gasket, Camshaft Cover	1	
	3679933	Seal, O Ring	1	
	3679934	Seal, O Ring	1	
	3680284	Gasket, Etr Control Module	1	
	3680324	Gasket, Flange	1	
	3680602	Gasket, Thm Housing Cover	1	
	3684336	Gasket, Thermostat Housing	1	
	4026884	Gasket, Turbocharger	1	
	(4059190)	Gasket, Cylinder Head	1	Serviced as 4025287.
	4076587	Gasket, Fuel Cnt Housing	1	
	4089255	Plug, Cavity	4	
	4101881	Seal, Rectangular Ring	1	
	4101882	Seal, Rectangular Ring	1	
	4907446	Gasket, Exhaust Manifold	1	
	4907447	Gasket, Exhaust Manifold	4	
	4907448	Gasket, Exhaust Manifold	1	
	4962721	Seal, Rectangular Strip	1	

Group No. 17.02

Kits & Sets

Ref No.	Part Number	Part Name	Req	Remarks
		KITS & SETS		
	4089153	Kit, Liner		
	3800298	Set, Main Brg		
	4089406	Set, Piston Ring		
	4955594	Set, Upper Engine Gasket		Eng. Built Prior to 08-27-01.
	4955590	Set, Lower Engine Gasket		
	4089895	Kit, Engine Piston		
	4089897	Kit, Engine Piston		
	4090022	Kit, Water Repair		

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