



Ingersoll-Rand Utility Equipment

CUMMINS ENGINE PARTS MANUAL

Doosan purchased Bobcat Company from Ingersoll-Rand Company in 2007. Any reference to Ingersoll-Rand Company or use of trademarks, service marks, logos, or other proprietary identifying marks belonging to Ingersoll-Rand Company in this manual is historical or nominative in nature, and is not meant to suggest a current affiliation between Ingersoll-Rand Company and Doosan Company or the products of either.

Ingersoll-Rand®

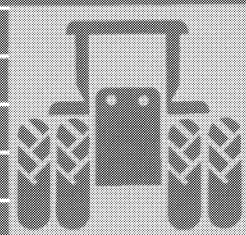
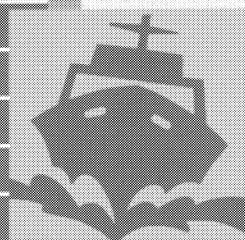
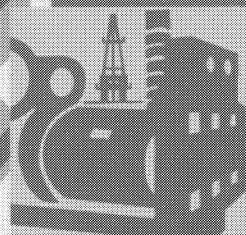
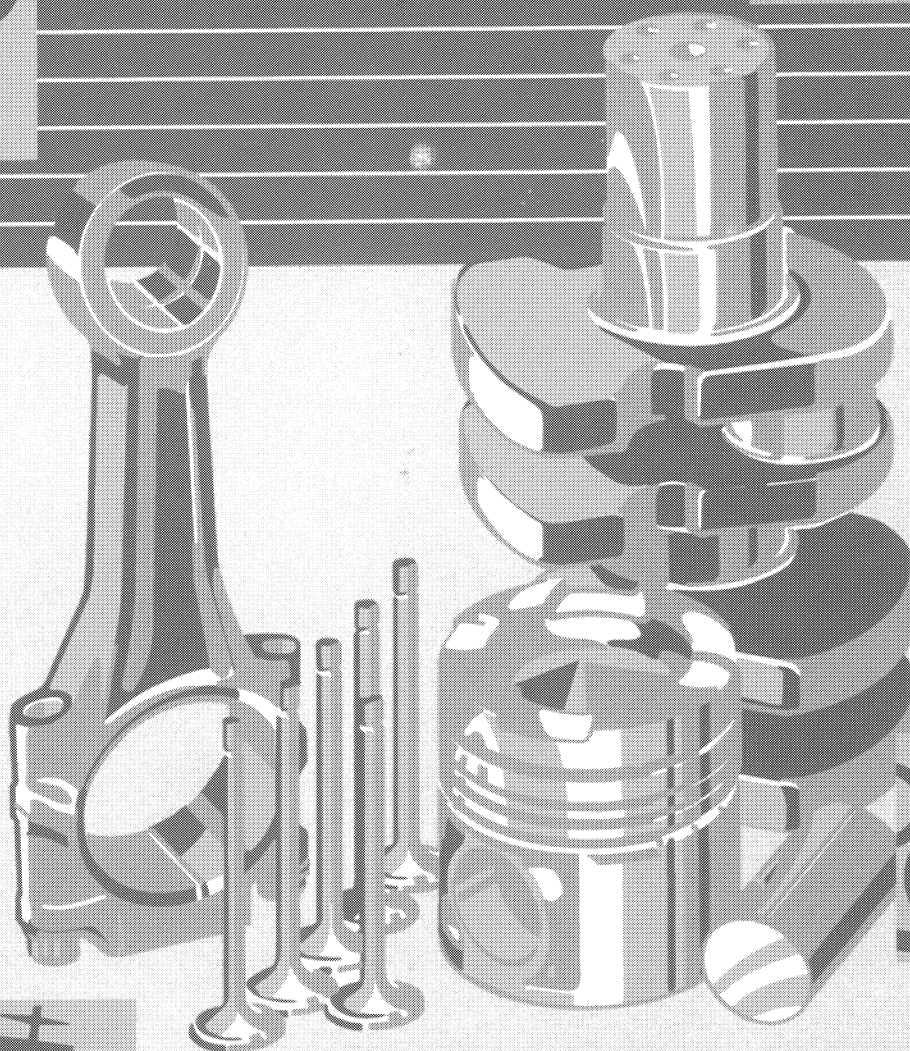
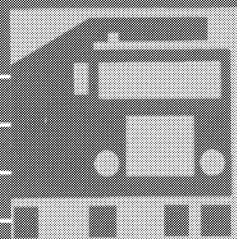
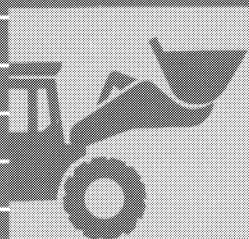
**Utility Equipment
P.O. Box 868 - 501 Sanford Ave
Mocksville, N.C. 27028
www.portablepower.irco.com
Revised (10-12)**



Parts Catalog

6CTAA8.3

Industrial





Parts Catalog

6CTAA8.3

Industrial



Cummins Inc.

New Parts Warranty Midrange

COVERAGE

PRODUCTS WARRANTED

This warranty applies to New Parts marketed by Cummins for its A, B, and C Series engines. It applies anywhere in the world where service is available through a Cummins distributor or A, B, and C Series dealer.*

COVERAGE

This warranty covers any failures of parts on or after December 1, 1986, which result, under normal use and service, from defects in workmanship or material (Warrantable Failures). The coverage extends six months from the date of first installation.

This warranty continues to all subsequent Owners until the end of the period of coverage.

CUMMINS RESPONSIBILITIES

Cummins will pay for all parts and labor needed to repair the damage to the engine resulting from the Warrantable Failure. All labor costs will be paid in accordance with Cummins published Standard Repair Time guidelines.

Cummins will pay for the lubricating oil, antifreeze, filter elements, and other maintenance items that are not reusable due to the Warrantable Failure.

Cummins will pay reasonable labor costs for engine removal and reinstallation when necessary to make the warranty repair.

OWNER RESPONSIBILITIES

At the time when the parts are installed, Owner is responsible for the preparation of a written record containing the following: (1) the date of installation of the parts; (2) the engine serial number; (3) the engine miles, hours or kilometers of operation; (4) the parts installed, and (5) the location of the parts in the engine. The purpose of this record is to protect Owner's interests and support any claim for a Warrantable Failure.

Owner is responsible for the operation and maintenance of the engine as specified in Cummins Operation and Maintenance Manuals.

Before expiration of the warranty, Owner must give notice to a Cummins distributor or A, B, and C Series dealer* of a failure considered to be warrantable and deliver the engine to such facility for repair.

Owner is responsible for the cost of lubricating oil, antifreeze, filter elements and other maintenance items replaced during warranty repairs except where such items are not reusable due to a Warrantable Failure.

Owner is responsible for communication expenses, meals, lodging and similar costs incurred by Owner as a result of a Warrantable Failure. Owner is responsible for non-engine repairs and for "downtime" expenses, cargo damage and all business costs and losses resulting from a Warrantable Failure. **CUMMINS IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

(In the United States, some states do not allow the exclusion or limitation of incidental or consequential damages relating to Consumer Products, so the above limitation or exclusion may not apply to you.)

LIMITATIONS

Cummins is not responsible for failures resulting from Owner or Operator abuse or neglect, such as: operation without adequate coolant or lubricants; overfueling; overspeeding; lack of maintenance of lubricating, cooling or air intake systems; improper storage, starting, warm-up, run-in or shutdown practices. Cummins is also not responsible for failures caused by incorrect fuel, or by water, dirt or other contaminants in the fuel.

Except for fuel pumps, Cummins does not warrant parts supplied by Cummins which bear the name of another company. These parts are warranted by their manufacturers and not by Cummins. This category of parts includes, but is not limited to: hydraulic pumps, alternators, starters, fans, air conditioning compressors, clutches, filters, transmissions, torque converters, marine gears, air cleaners and non-Cummins air compressors, engine compression brakes, and steering pumps.

Parts used in warranty repairs may be new Cummins, Cummins approved rebuilt parts, or repaired parts. Cummins is not responsible for failures resulting from the use of parts not approved by Cummins.

Before a claim for excessive oil consumption will be considered, Owner must submit adequate documentation to show that consumption exceeds Cummins published standards.

This warranty does not apply to parts furnished by Cummins at no charge to the Owner.

THIS WARRANTY IS THE SOLE WARRANTY MADE BY CUMMINS IN REGARD TO THESE PARTS. CUMMINS MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OR OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

INVEST IN THE BEST

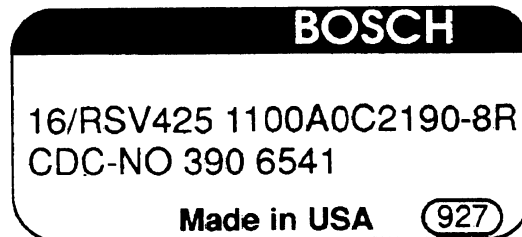
Product Identification Information

Data plates should be referred for parts identification.

1. ENGINE DATA PLATE

 Cummins Engine Company, Inc. Columbus, Indiana 47202-3005 Made in U.S.A. 3920701	Engine Cert. I.D. Certificat d'Identite'	C.I.D./L. Pouce Cube/L	Family Famille	CPL	Model Modele	FEL	EPA	CARB	
					Injector P/N Injecteur P/N	NDX			
WARNING: Injury may result and warranty is voided if fuel rate rpm or altitudes exceed published maximum values for this model and application. AVERTISSEMENT: Danger de blessures et d'annulation de la garantie si debit de combustible tr/min ou altitude de/passant les valeurs maximum annonce'es pour ce modele et son utilisation.	Timing—T.D.C. Colage—P.M.H.				Engine No. Moteur No.	PM			
	Valve lash cold Jeux Soup. a Froid	Int. Adm.	Exh. Ech.	Ref. No.					
	Firing Order Order d'Allumage					Fuel rate at adv. HP Debit combust. a puiss. indiquee	mm ³ stroke		
	Date of Mfg. Date of Fabrication	Idle Speed (rpm) Vitesse Rotenti	E.C.S.	Advertised HP Puiss. Indiquee (ch)					at a

2. FUEL PUMP DATA PLATE



This catalog was compiled by Carin Newman in Parts Communications.

Customer Service Information

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

6CTAA8.3

D413052CX03

CPL 2996, 2997, 8185
8197, 8211, 8307

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

Pump, Injection Page 56-65; 70-75
Camshaft Page 128, 132, 136, 140, 144, 148
Cylinder Head Page 150-153
Injector Page 129, 133, 137, 141, 145, 149

Conn Rod and Engine Piston Page 126-127;
130-131; 134-135; 138-139; 142-143; 146-147
Turbocharger Page 154-161; 164-167
Exhaust Manifold Page 176-183

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. _____

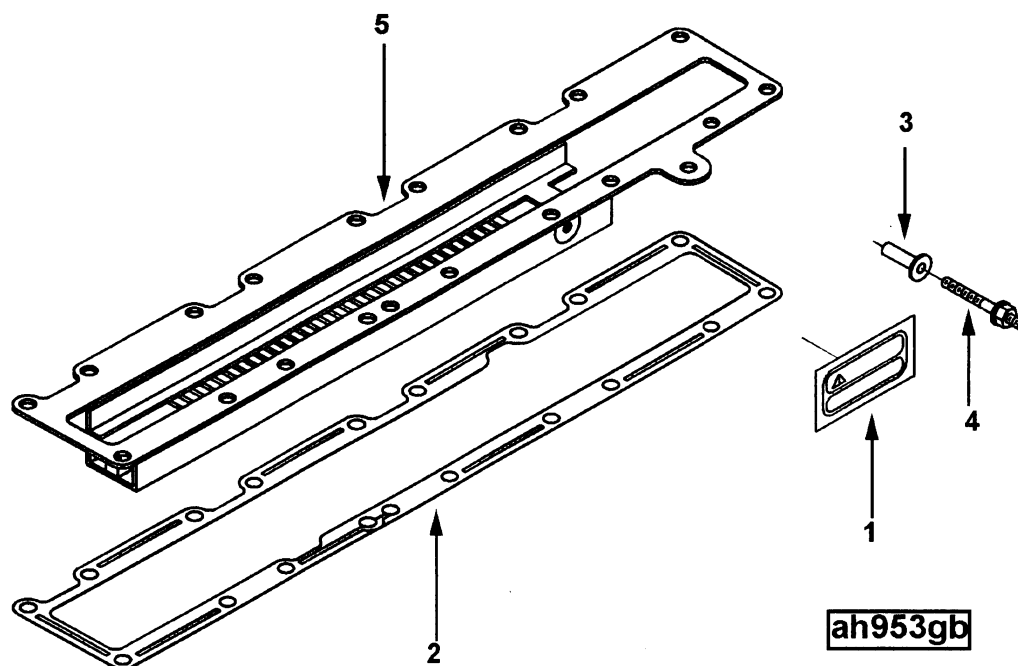
Element, Fuel Filter _____ Full Flow Lub. Filter _____

Air Cleaner _____ By-Pass Lub. Filter _____

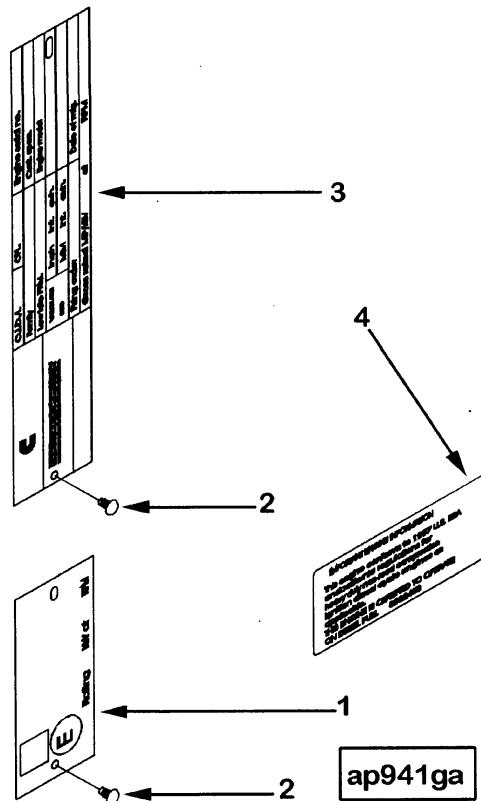
Special Equipment _____

Table of Contents

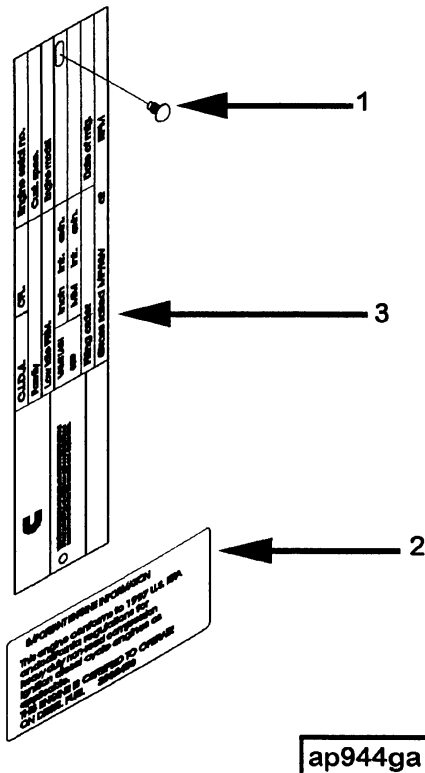
	Page No.		Page No.
Accessory Drive Pulley	124	Oil Pressure Switch	170
Agency Approval	3, 4	Refrigerant Compressor	23
Air Fuel Control Plumbing	43, 45	Rocker Lever	168
Air Heater Starting Aid	2	Signal Generating Device	35
Air Intake Connection	102	Starter Motor Mounting	173
Air Intake Manifold	105	Starting Motor	174, 175
Air Transfer Connection	106	Starting Motor Mounting	172
Alternator	30	Tachometer Drive	171
Alternator Mounting	33	Thermostat	29
Belt Tensioner	200	Throttle Lever	185
Cabin Heater Plumbing	99, 101	Timing Pin Housing	15
Camshaft Gear	128, 132, 136, 140, 144, 148	Torque Converter Oil Cooler	184
Connecting Rod	127, 131, 135, 139, 143, 147	Turbocharger	155, 157, 159, 161, 165, 167
Coolant Htr Stg Aid Plumbi	24	Turbocharger Plumbing	187, 189
Corrosion Resistor	193, 195	Valve Cover	191
Crankcase Breather	18, 19, 21	Valve Tappet	10
Crankshaft Assembly	9	Vibration Damper	25
Cylinder Block	7	Water Inlet Connection	196, 197
Cylinder Head	151, 153	Water Outlet Connection	198, 199
Electrical Accessories	28	Water Pump	201
Engine Coolant Vent	169	Water Pump Drive	203, 205
Engine Oil Cooler	109	Option Number Index	A-1
Exhaust Connection	206	Part Number Index	B-1
Exhaust Manifold	177, 179, 181, 183		
Exhaust Outlet Connection	209		
Fan Drive	37, 39		
Fan Drive Mounting	40		
Flywheel	87, 89		
Flywheel Housing	53, 55		
Flywheel Mounting	90		
Front Engine Support	34		
Front Gear Cover	93, 95, 97		
Front Gear Housing	13, 17		
Front Gear Train Accessory	27		
Fuel Filter	47, 49		
Fuel Filter Plumbing	51		
Fuel Plumbing	81		
Fuel Pump	57, 59, 61, 63, 65, 68, 71, 73, 75		
Fuel Pump Mounting	67		
Fuel Shutoff Valve	83, 85		
Fuel Transfer Pump	76, 79		
Gear Cover Mounting	98		
Injector	129, 133, 137, 141, 145, 149		
Injector Plumbing	163		
Lifting Arrangement	107		
Lube Oil Filter	110		
Lube Oil Pump	113		
Oil Filler Arrangement	115, 117		
Oil Level Gauge	111, 112		
Oil Pan	119, 121		



Ref No.	Part Number	Part Name	Req	Remarks
		AIR HEATER STARTING AID OPTION AH9132		
1	3927335	Tag, Instruction	1	Air heater type: Grid heater Voltage: 24 Amperage: 133 At 24volts DC Ground type: Isolated Mounting bolt pattern: 18 x 77.5 x 548 Grid heater location: Air intake manifold Electrical terminal eyelet diameter (mm): 9.5 Electrical Terminal Location: From engine centerline (mm): 195 From crank centerline (mm): 455 From front face of block (mm): -584
2	3936993	Gasket, Int Manifold Cover	1	
3	3930319	Washer, Insulating	1	
4	3930320	Screw, Hex Flange Head Cap	1	
5	3932087	Heater, Intake Air	1	

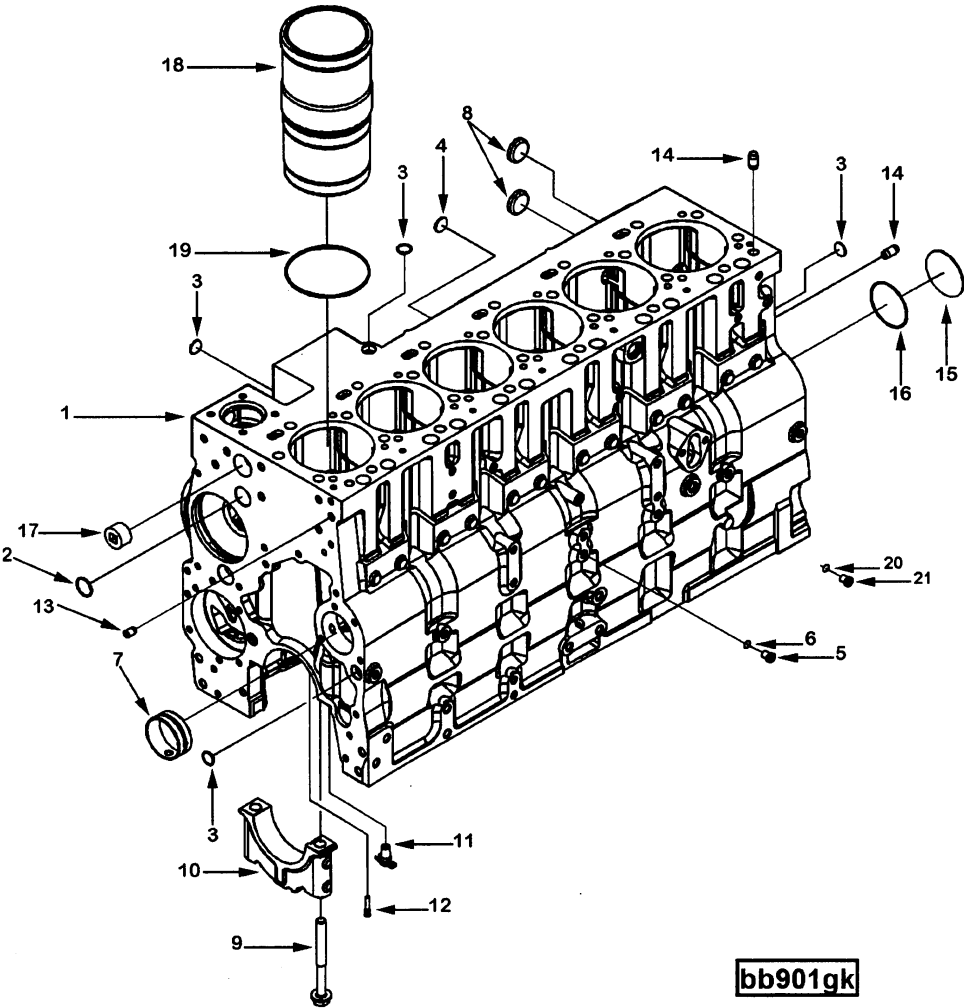


Ref No.	Part Number	Part Name	Req	Remarks
		AGENCY APPROVAL OPTION AP9226		Certified By: EPA, CARB, Eu Application: Nonroad Cert Level: Tier 1, Stage 2, R24.03 Special allowance: N/A Cert agency: N/A Manufacturer of record: Cummins Language: English Fuel Type: Diesel Structure Code: Mr-03 EBM Engine Family: "B" Series, "C" Series, "L" Series Variant Content: In place of 3284906 DEP may use 3284907 KOM may use 3284908 BZL may use 3284995
1	(3916861)	Dataplate	1	
2	3908612	Screw, Drive	4	
3	(3284906)	Dataplate	1	
4	(3992026)	Decal	1	

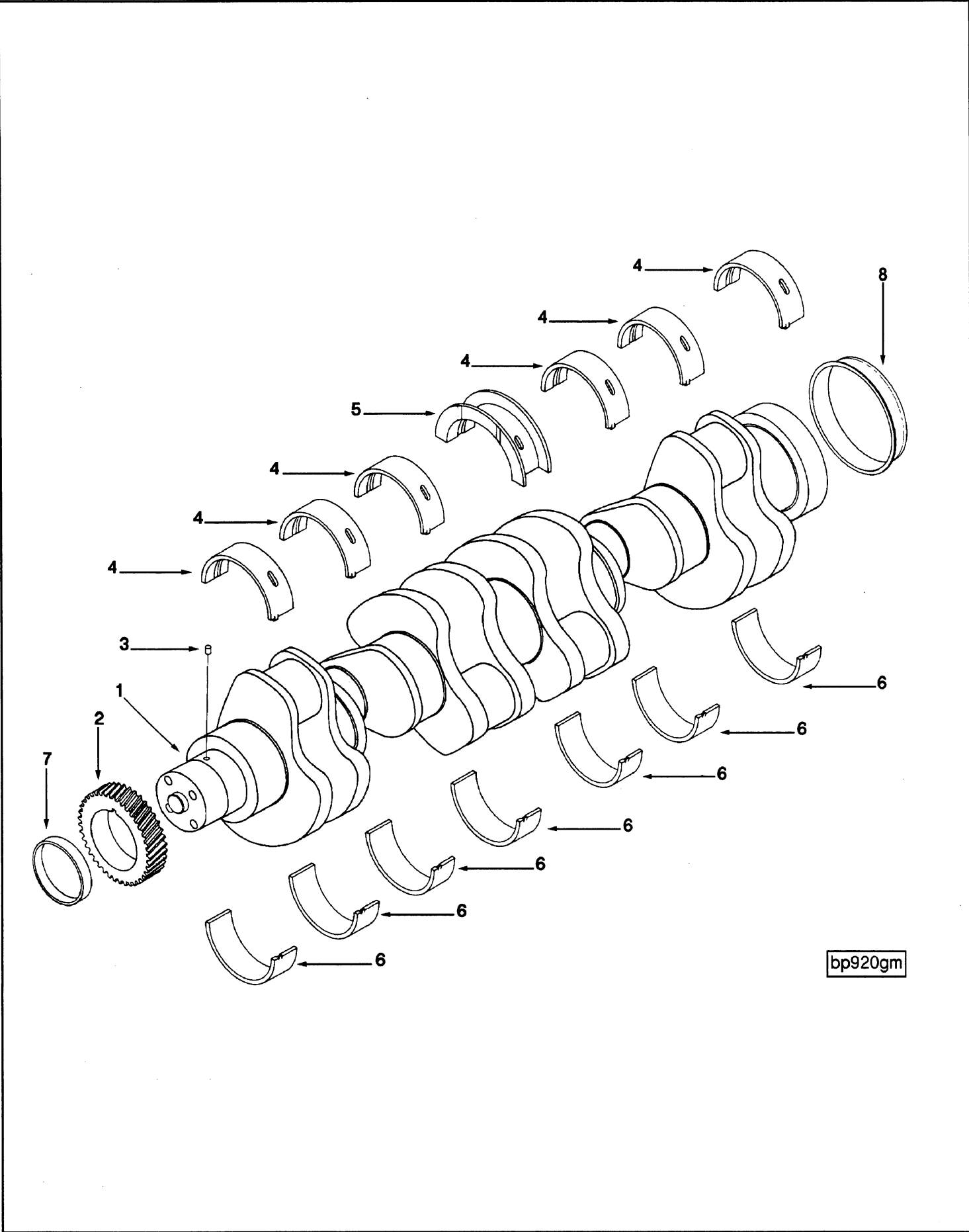


Ref No.	Part Number	Part Name	Req	Remarks
		AGENCY APPROVAL OPTION AP9320		Certified By: EPA, CARB, Eu Application: Nonroad Cert level: Tier 1, stage2 Certification Year: 2002 Manufacturer of record: Cummins Language: English Fuel Type: Diesel Structure Code: 03 EBM Engine Family: "B" Series, "C" Series, "L" Series Varient content: In place of 3284906 - DEP may use 3284907 KOM may use 3284908 BZL may use 3284995 MR-03 structure language
1	3908612	Screw, Drive	2	
2	(3992026)	Decal	1	
3	(3284906)	Dataplate	1	

[illegible]

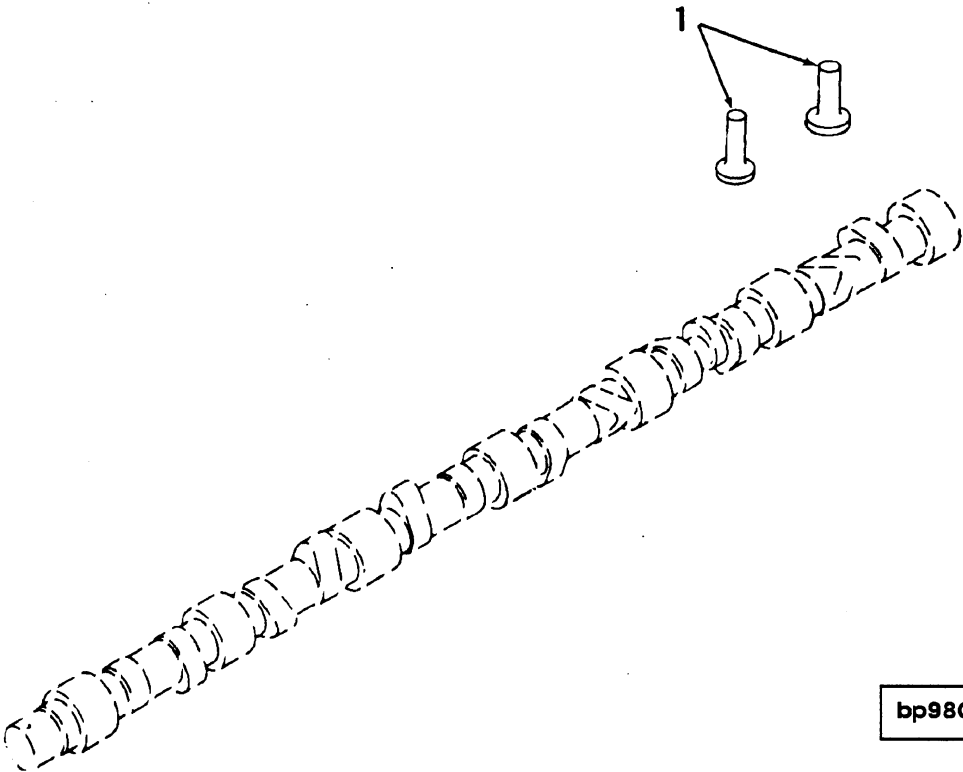


Ref No.	Part Number	Part Name	Req	Remarks
		CYLINDER BLOCK OPTION BB9880		
				Engine Family: "C" Series Rationalized cylinder block for use with 2 valve cylinder head and mechanical engine control system.
	(4089241)	Block, Cylinder	1	
1	(3939311)	Block, Cylinder	1	
2	143066	Plug, Expansion	2	
3	3004258	Plug, Expansion	4	
7	3945329	Bushing	7	
8	3905401	Plug, Expansion	4	
9	3916369	Screw, Hex Flange Head Cap	14	M14 X 2.00 X 128.
10	3936058	Cap, Main Bearing	7	
	3800332	Kit, Cyl Block Hardware	1	
	3678923	Plug, Threaded	6	M10 x 1.00 x 9.5
5	(3678924)	Plug, Threaded	1	M10 x 1.00 x 9.5
6	3678925	Seal, O Ring	1	M10 x 1.00
11	S 923 E	Draincock	1	1/4 NPTF
12	3928031	Nozzle, Piston Cooling	6	
13	3900257	Dowel, Pin	2	
14	3901846	Dowel, Pin	4	
15	3901969	Plug, Expansion	1	
16	3926048	Seal, O Ring	1	
17	3008470	Plug, Pipe	1	1 NPT.
	3800328	Kit, Liner	6	
18	(3948095)	Liner, Cylinder	1	
19	3907177	Seal, Rectangular Ring	1	
	3678921	Plug, Threaded	2	
20	3678912	Seal, O Ring	1	
21	(3678922)	Plug, Threaded	1	M14 x 1.50 Thd
	3008469	Plug, Pipe	1	3/4 NPT Not Shown



bp920gm

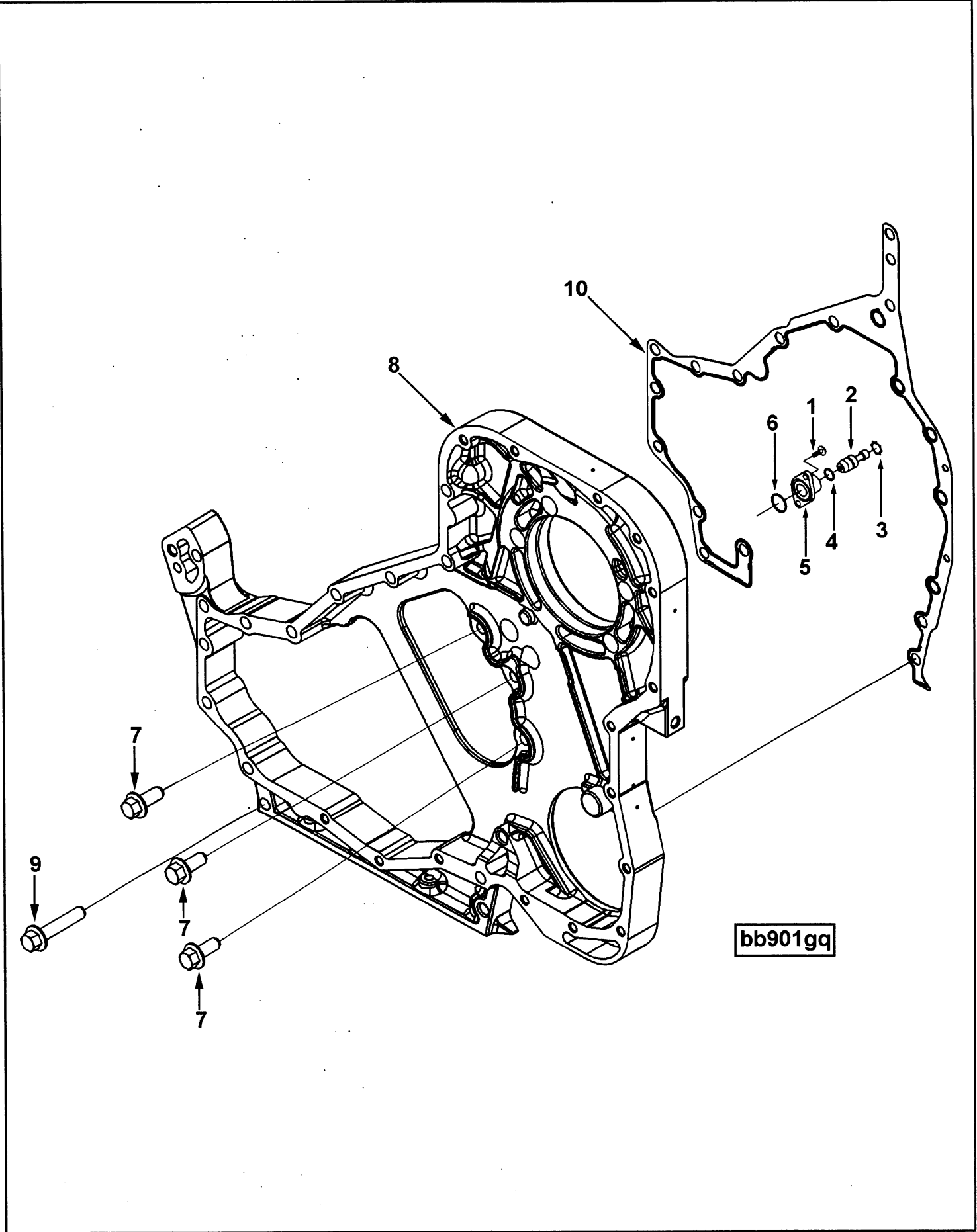
Ref No.	Part Number	Part Name	Req	Remarks
		CRANKSHAFT ASSEMBLY		
		OPTION BB9880		
1	3918986	Crankshaft, Assembly TLA	1	
2	(3917320)	Crankshaft, Engine	1	
3	3918776	Gear, Crankshaft	1	
3	3904483	Dowel, Pin	1	
		MAIN BEARING SETS		
	3945917	Kit, PDC	1	Standard
4	(3944158)	Bearing, Main	6	
5	3944163	Bearing, Crankshaft Thrust	1	
6	(3944153)	Bearing, Main	7	
	3945918	Kit, PDC	1	0.25mm (0.010 inch) Oversize
4	(3944159)	Bearing, Main	6	
5	(3944164)	Bearing, Crankshaft Thrust	1	
6	(3944154)	Bearing, Main	7	
	3945919	Kit, PDC	1	0.50mm (0.020 inch) Oversize
4	(3944160)	Bearing, Main	6	
5	3944165	Bearing, Crankshaft Thrust	1	
6	(3944155)	Bearing, Main	7	
	3945920	Kit, PDC	1	0.75mm (0.030 inch) Oversize
4	(3944161)	Bearing, Main	6	
5	3944166	Bearing, Crankshaft Thrust	1	
6	(3944156)	Bearing, Main	7	
	3945921	Kit, PDC	1	1.00mm (0.040 inch) Oversize
4	(3944162)	Bearing, Main	6	
5	3944167	Bearing, Crankshaft Thrust	1	
6	(3944157)	Bearing, Main	7	
		SERVICE PARTS		
7	3925343	Ft Seal Ser Kit W/Sleeve	1	
8	3926126	Rear Seal, Wear Sleeve Kit	1	
		OVERSIZE THRUST BEARINGS		
	3944168	Bearing, Crankshaft Thrust	A/R	Std journal diameter, 0.25mm oversize thrust face
	3944169	Bearing, Crankshaft Thrust	A/R	Std journal diameter, 0.50mm oversize thrust face
	3945928	Bearing, Crankshaft Thrust	A/R	0.50mm oversize journal diameter, 0.50 oversize face



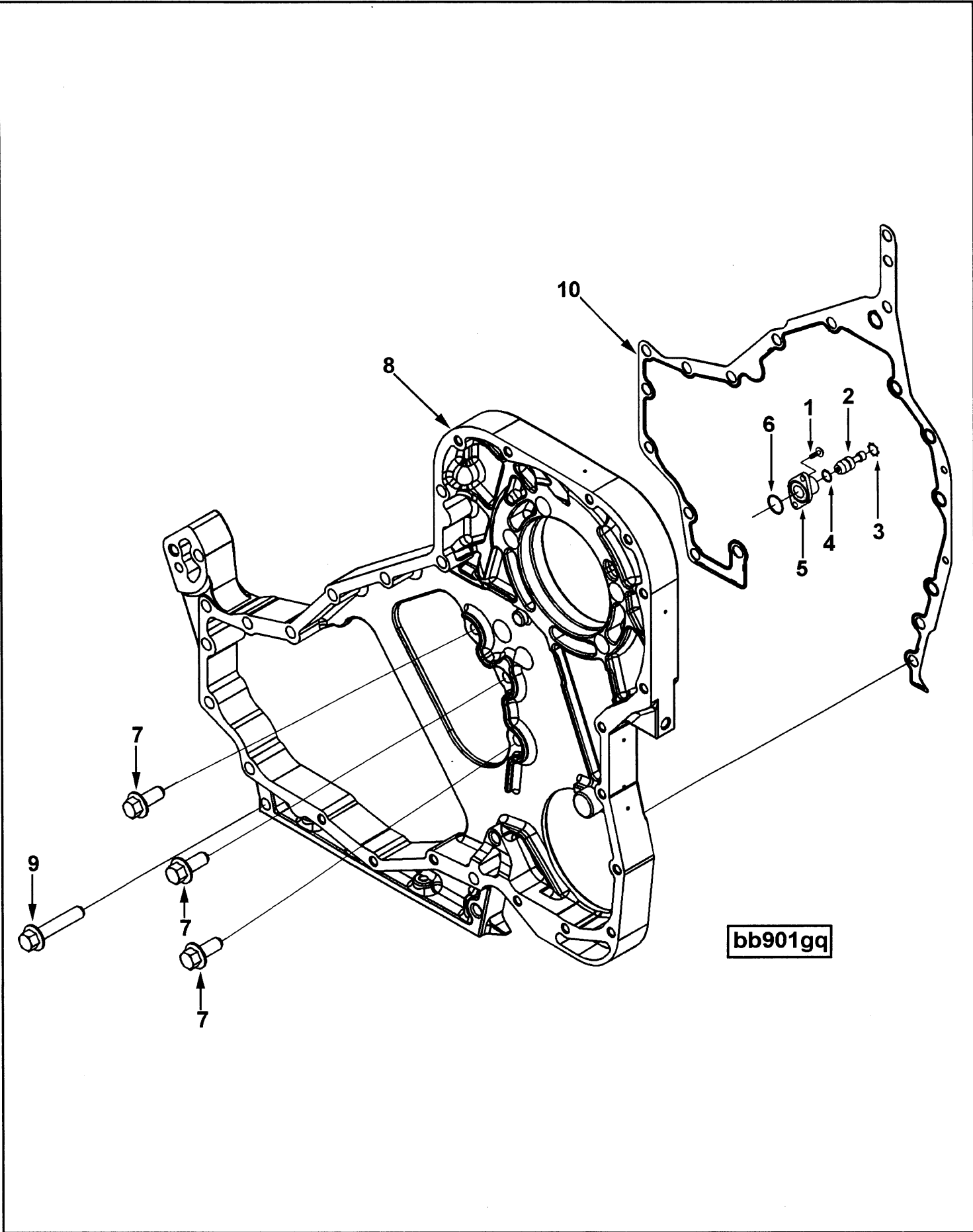
bp9802a

Ref No.	Part Number	Part Name	Req	Remarks
1	3931623	VALVE TAPPET OPTION BB9880 Tappet, Valve	12	

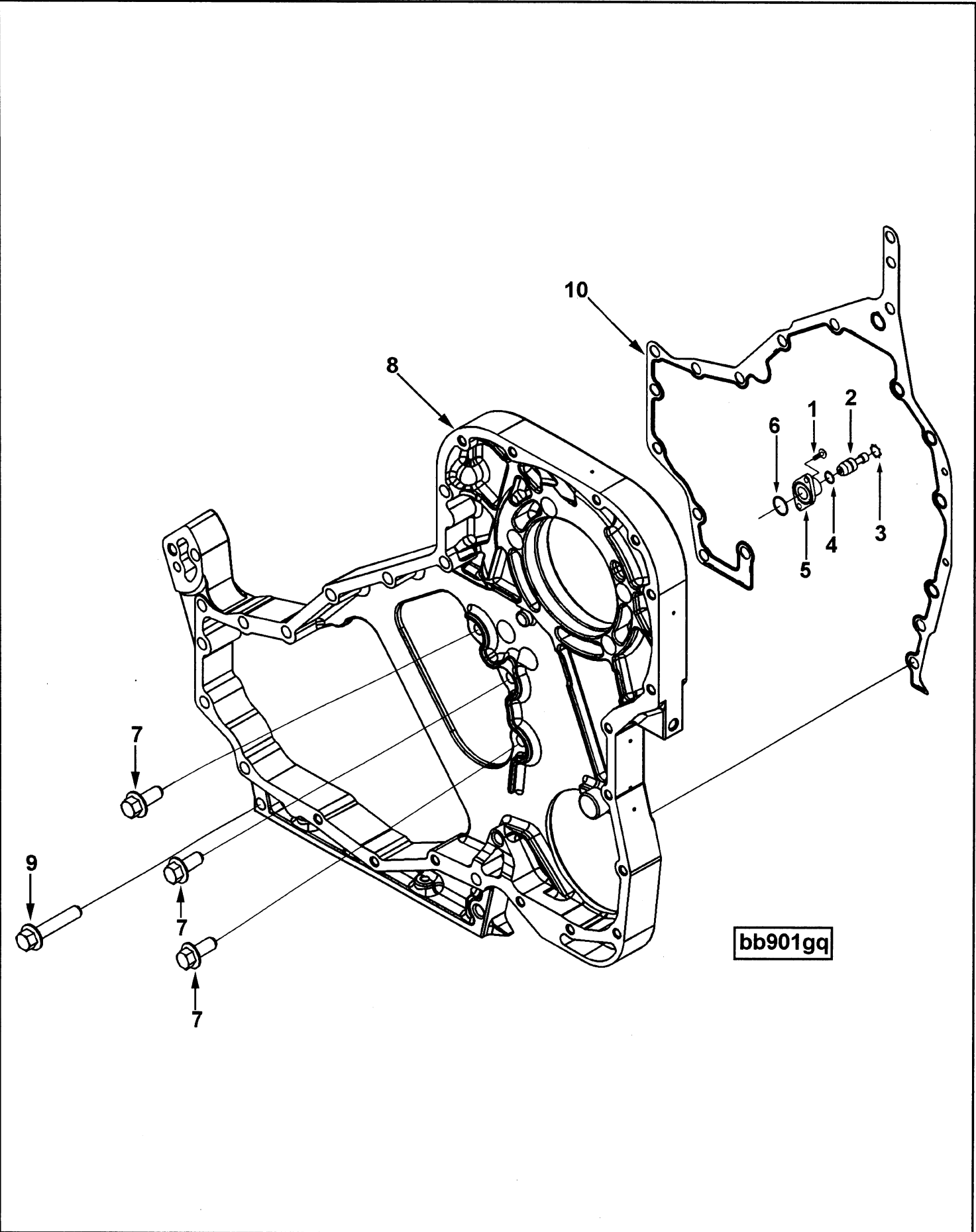
This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



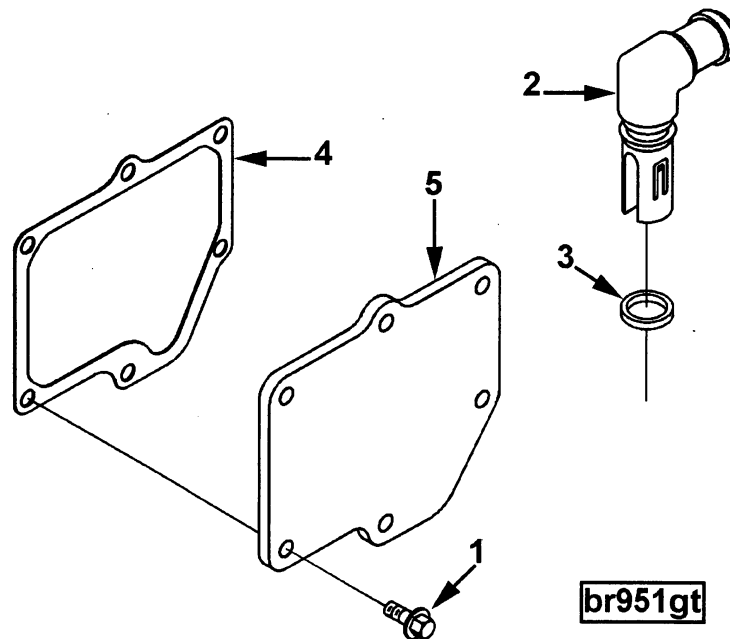
Ref No.	Part Number	Part Name	Req	Remarks
		FRONT GEAR HOUSING OPTION BB9881		Centerline crank to centerline of PTO provision: 39.5mm Centerline of engine to centerline of PTO provision: 227.4mm Gear Housing Pilot Bore: 114.66mm Fuel Pump Manufacturing/model: Bosch P3000 Gear Housing Material: Aluminum Fuel pump oiling provision: Internal. M5 x 0.80 x 17
1	3907998 (3913995)	Screw, Round Head Cap Housing, Timing Pin	2 1	
2	3903924	Pin, Timing	1	
3	3904849	Ring, Retaining	1	
4	3913994	Seal, O Ring	1	
5	3919683	Housing, Timing Pin	1	
6	3915772	Seal, Rectangular Ring	1	
7	3926846	Screw, Hex Flange Head Cap	3	M8 x 1.25 x 20
8	3938086	Housing, Gear	1	
9	3943885	Screw, Hex Flange Head Cap	3	
10	3944293	Gasket, Gear Housing	1	



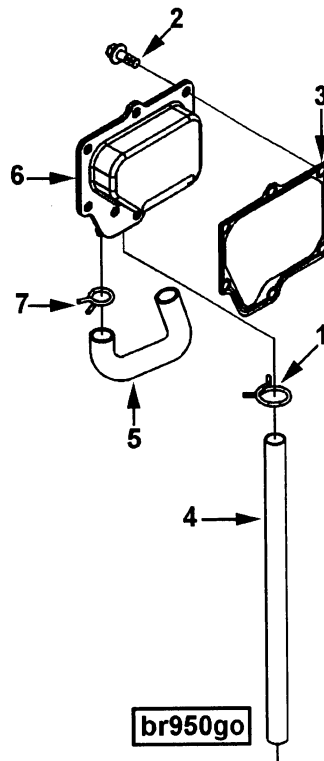
Ref No.	Part Number	Part Name	Req	Remarks
		TIMING PIN HOUSING OPTION BB9882		Centerline of crank to centerline of PTO provision: 99.9mm Centerline of engine to centerline of PTO provision: 247.0mm Gear Housing Pilot Bore: 101.6mm Fuel Pump Manufacturing/ Model: Bosch P3000 Gear Housing Material: Aluminum Fuel Pump Oiling Provision: Internal
1	3907998 (3913995)	Screw, Round Head Cap Housing, Timing Pin	2 1	M5 x 0.80 x 17
2	3903924	Pin, Timing	1	
3	3904849	Ring, Retaining	1	
4	3913994	Seal, O Ring	1	
5	3919683	Housing, Timing Pin	1	
6	3915772	Seal, Rectangular Ring	1	
7	3926846	Screw, Hex Flange Head Cap	3	M8 x 1.25 x 20
8	3938085	Housing, Gear	1	
9	3943885	Screw, Hex Flange Head Cap	3	
10	3944293	Gasket, Gear Housing	1	



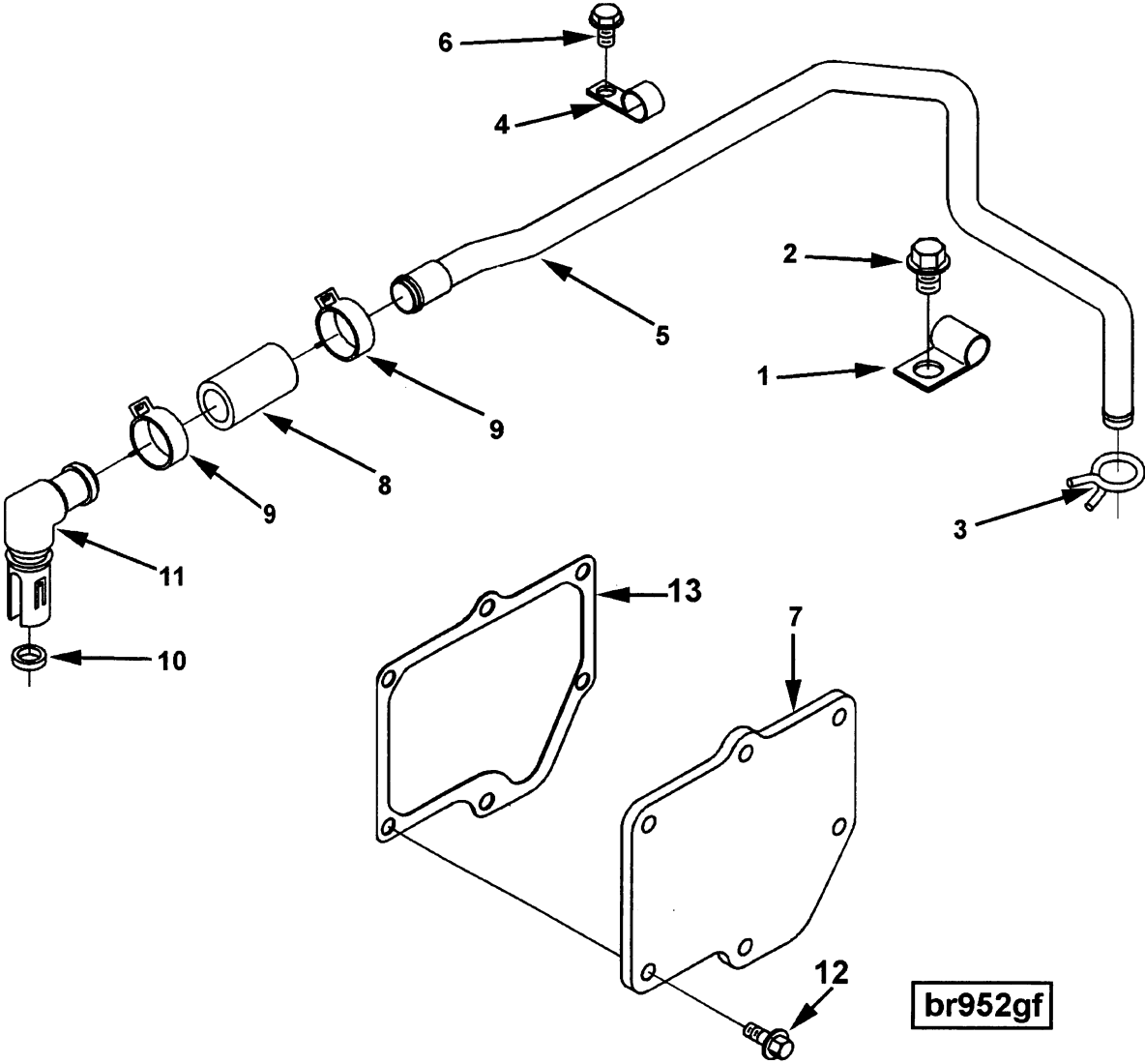
Ref No.	Part Number	Part Name	Req	Remarks
		FRONT GEAR HOUSING OPTION BB9883		Accessory Drive Provision: None Fuel Pump Manufacturing/Model: Bosch P3000 Gear Housing Material: Aluminum Fuel Pump Oiling Provision: Internal. M5 x 0.80 x 17
1	3907998 (3913995)	Screw, Round Head Cap Housing, Timing Pin	2 1	
2	3903924	Pin, Timing	1	
3	3904849	Ring, Retaining	1	
4	3913994	Seal, O Ring	1	
5	3919683	Housing, Timing Pin	1	
6	3915772	Seal, Rectangular Ring	1	
7	3926846	Screw, Hex Flange Head Cap	3	
8	3938087	Housing, Gear	1	
9	3943885	Screw, Hex Flange Head Cap	2	
10	3944293	Gasket, Gear Housing	1	



Ref No.	Part Number	Part Name	Req	Remarks
		CRANKCASE BREATHER OPTION BR9107		Breather Type: Open Breather Tube Supplier: Customer Items supplied: 90degree vent connection Vent Connection Outside diameter: 19.75mm Vent connection location: Valve cover Centerline of crank to connection centerline: 580.6mm Centerline of engine to connection centerline: 471.0mm Engine Families: "C" Series. M6 x 1.00 x 16 Use 3934865 rectangular ring seal when servicing vent connection.
1	3913638	Screw, Hex Flange Head Cap	6	
2	3935113	Connection, Vent	1	
3	3936331	Seal, Rectangular Ring	1	
4	3944683	Gasket, Breather	1	
5	(4063520)	Plate, Cover	1	

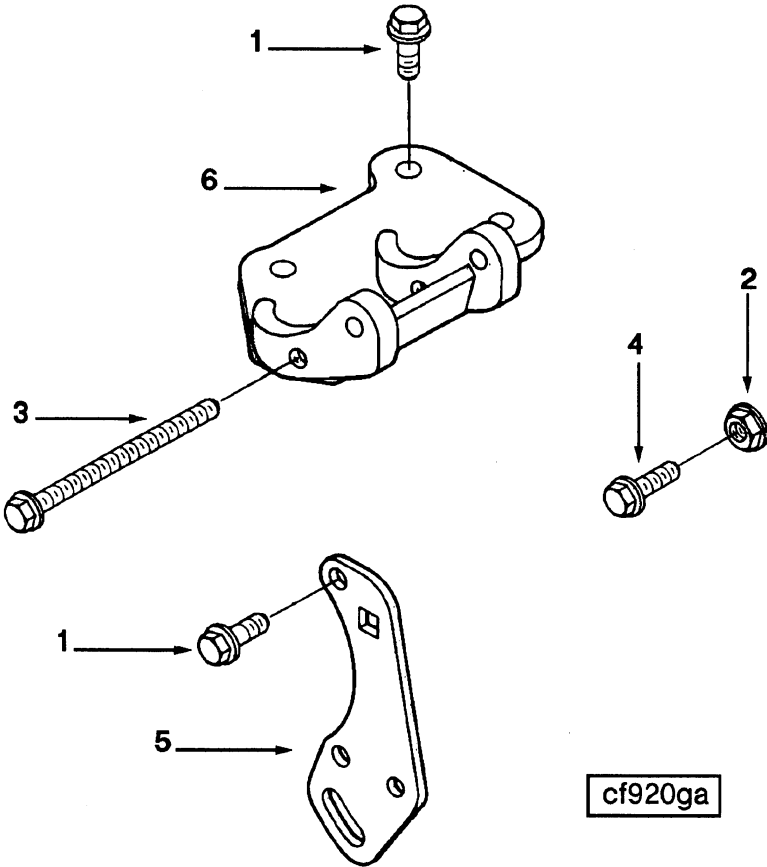


Ref No.	Part Number	Part Name	Req	Remarks
		CRANKCASE BREATHER OPTION BR9108		Breather Type: Open Breather Tube Supplier: Cummins Breather location: Block mounted-exhaust side Front face of block to tube centerline: 402mm Vent Tube End Location Below Engine Centerline: 106.1mm Vent limitations: Front Up Engine Angularity (deg): 25 Front down engine angularity (deg): 25 Side to side engine angularity: 25.
1	3907740	Clamp, Spring Hose	1	
2	3913638	Screw, Hex Flange Head Cap	6	M6 x 1.00 x 16
3	3944683	Gasket, Breather	1	
4	3944714	Hose, Plain	1	
5	3948068	Hose, Molded	1	
6	3937652	Breather, Crankcase	1	
7	3948080	Clamp, Spring Hose	2	
	205401	Plug, Expansion	1	Not Shown



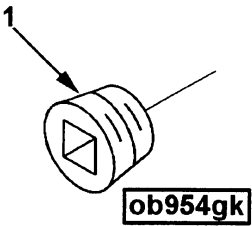
br952gf

Ref No.	Part Number	Part Name	Req	Remarks
		CRANKCASE BREATHER OPTION BR9132		Design Phase: Elite II Engine Family: C Series Breather Type: Open Breather Plumbing Supplier: Cummins Hose termination point below crank centerline: 242.9mm Vent Connection Location: Valve cover from crank centerline: 580.6mm From engine centerline: 43.5mm From front face of block: 428.0 Engine Families: "C" Series Breather hose is secured to fuel filter bracket located high on left rear of engine.
1	70622	Clip	1	
2	3901249	Screw, Hex Flange Head Cap	1	M12 x 1.75 x 25
3	3907740	Clamp, Spring Hose	1	
4	3907741	Clip	1	
5	3909669	Tube, Breather	1	
6	3912072	Screw, Self Tapping Metal	1	M8 x 1.25 x 15
7	(4063520)	Plate, Cover	1	
8	3918616	Hose, Plain	1	
9	3937613	Clamp, Hose	2	
10	3936331	Seal, Rectangular Ring	1	
11	3935113	Connection, Vent	1	Use 3934865 rectangular ring seal when servicing vent connection.
12	3913638	Screw, Hex Flange Head Cap	6	M6 x 1.00 x 16
13	3944683	Gasket, Breather	1	

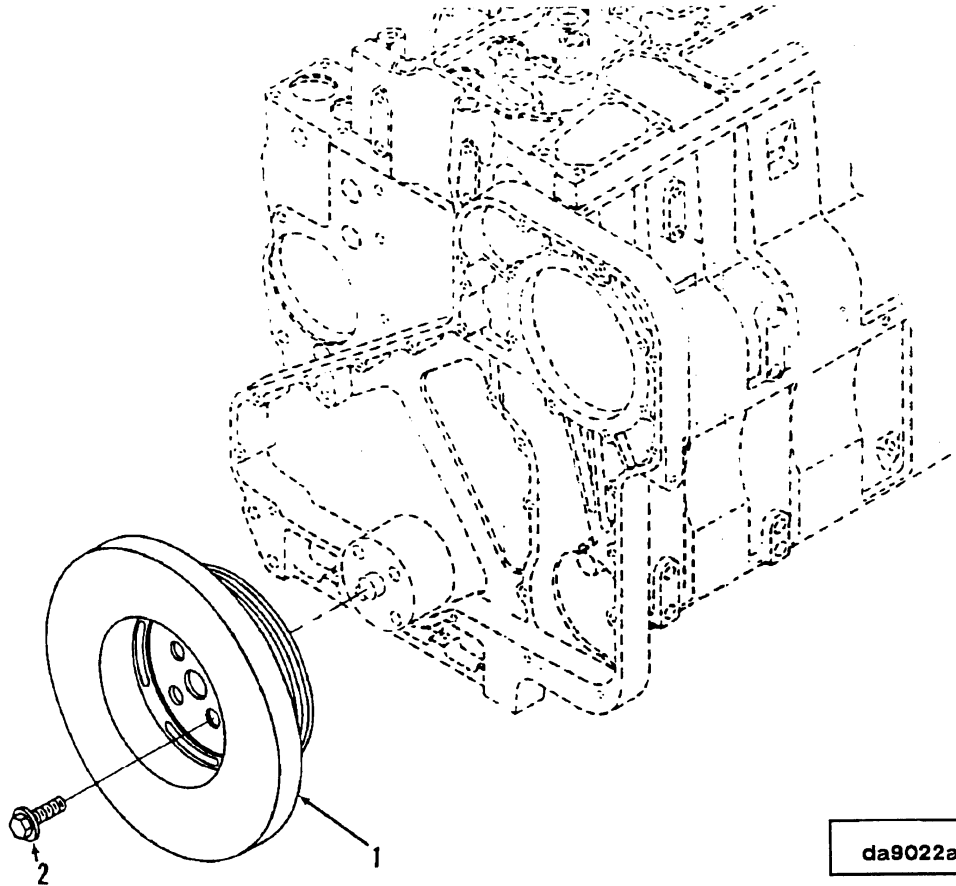


cf920ga

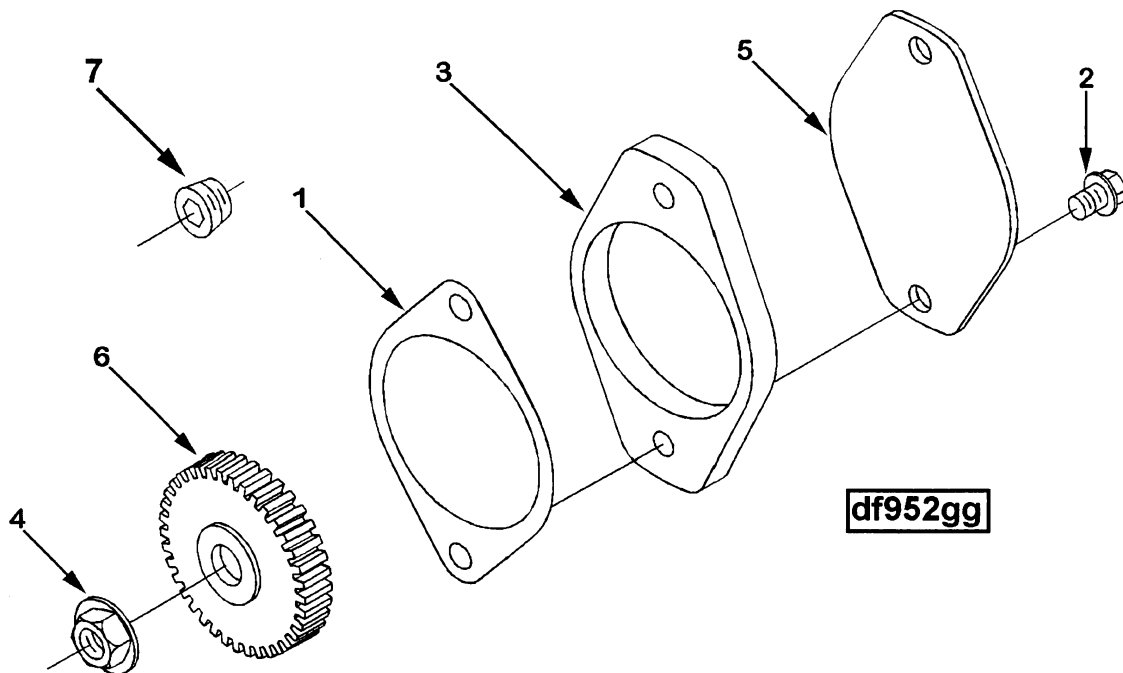
Ref No.	Part Number	Part Name	Req	Remarks
		REFRIGERANT COMPRESSOR OPTION CF9071		Reference Compressor Supplier: Customer Mounting Hardware Supplier: Cummins To suit Ogura OW135-1, Sankyo 508 Drive Hardware Supplied By: Customer Bracket Attachment Location: Cylinder head.
1	3902460	Screw, Hex Flange Head Cap	6	M10 x 1.50 x 25
2	3902662	Nut, Hexagon Flange	5	M10 x 1.50
3	3902663	Screw, Hex Flange Head Cap	1	M10 x 1.50 x 120
4	3903112	Screw, Hex Flange Head Cap	4	M10 x 1.50 x 30
5	3918240	Bracket, Ref Compressor	2	
6	3920778	Bracket, Ref Compressor	1	



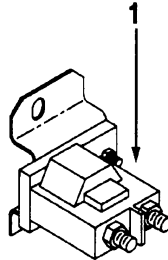
Ref No.	Part Number	Part Name	Req	Remarks
1	3008469	COOLANT HTR STG AID PLUMBI OPTION CH9087 Plug, Pipe	1	Coolant port plumbing provision: Closed. 3/4 NPT.



Ref No.	Part Number	Part Name	Req	Remarks
		VIBRATION DAMPER OPTION DA9704		
1	3925570	Damper, Vibration	1	Engine Family: "C" Series Damper Type: Rubber Damper Diameter (mm): 228.00 Damper RPM Limitations: 2200 and below Drive Pulley Diameter (mm): 199.42 over 2.5mm balls Front face of block to centerline first pulley groove (mm): 57.1 pulley profile: Poly-V 8rib K Front PTO Provision: No Natural frequency (@ 40 degrees C): 163-173.
2	3906733	Screw, Hex Flange Head Cap	4	M14 X 1.50 X 35.

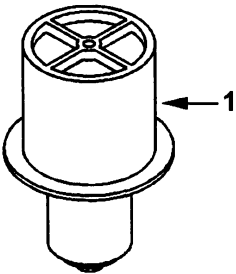


Ref No.	Part Number	Part Name	Req	Remarks
		FRONT GEAR TRAIN ACCESSORY OPTION DF9740		Front Gear Drive PTO: Hydraulic pump drive gear for customer supplied hydraulic pump. Gear Housing Pilot Bore: 1016mm Gear Housing Accy Drive Mounting Provision: 2 x m12 x 1.75 Gear housing accy drive mounting bolt circle diameter: 146mm Cover Plate Provided: Yes Drive opening diameter (mm): 101.6 Drive components supplier: Cummins PTO Flange SAE: 101-2(SAE B) PTO Drive Type: SAE 16-3 (SAE A Tapered Shaft) Rear flange mount thread: Metric This option allows for customer to supply accessory drive and provides cover plate over drive opening in back of gear housing. Includes plugs to close off air compressor water provision.
1	3938655	Gasket, Acc Drive Cover	2	
2	3901249	Screw, Hex Flange Head Cap	2	M12 x 1.75 x 25
3	3902603	Spacer, Hydraulic Pump	1	
4	3904828	Nut, Hexagon Flange	1	1/2 - 20 UNF.
5	3914868	Plate, Cover	1	
6	3924186	Gear, Accessory Drive	1	
7	3008468	Plug, Pipe	2	1/2 NPT Not in this version



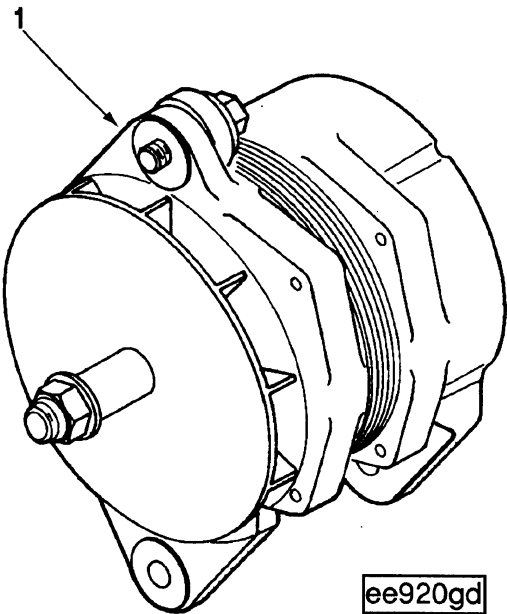
sd951ge

Ref No.	Part Number	Part Name	Req	Remarks
		ELECTRICAL ACCESSORIES OPTION EA9040		
1	3916302	Switch, Magnetic	1	Item supplied - Magnetic switch Voltage: 24 Ohms: 64 Mounting flange description: 2 slots x .281 x 2.125 Electrical contact description: Low current: 2 x #10-32 UNF High current: 2 x 5/16-24 UNF Electrical Characteristics: Contact rating: 100amp continuous 400amp in rush Electrically Insulated Continuous duty operation Supplied in kit Customer mounting instructions: Must be mounted with terminal studs in the horizontal or up position Customer operating environment: Must be water resistant.



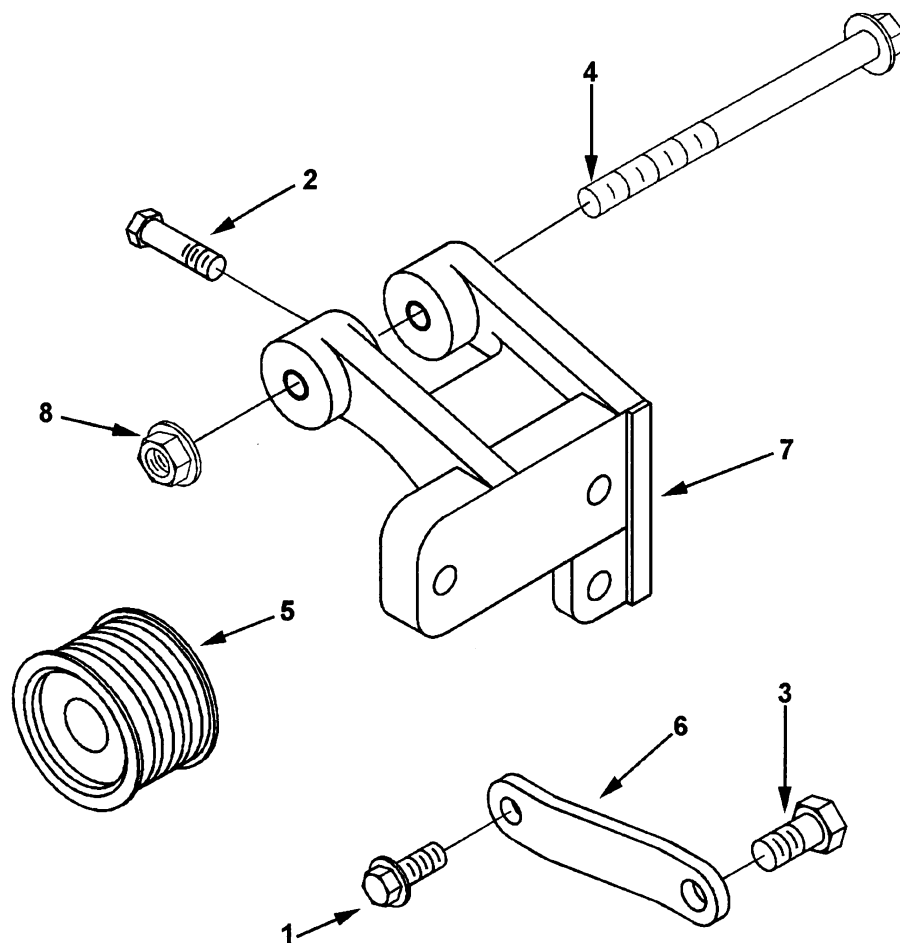
ec951gl

Ref No.	Part Number	Part Name	Req	Remarks
1	3940632	THERMOSTAT OPTION EC9702 Thermostat	1	Thermostat used on centerline engines 180 degrees F opening



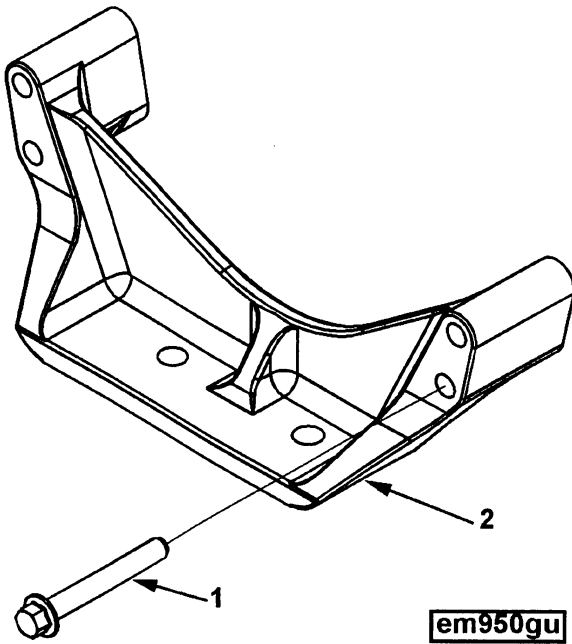
Ref No.	Part Number	Part Name	Req	Remarks
1	3935530	Alternator	1	Alternator Manufacturer/Model: Delco 22SI Voltage: 24 Amperage: 70 Mounting Type: Lugs, 101.1mm apart Mounting to Suit: 98.5mm Spool Alternator Length(mm): 217 Cummins Branded: Yes.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

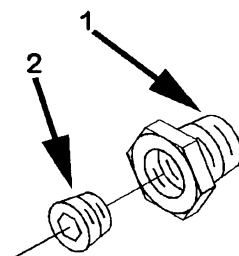


eh941gp

Ref No.	Part Number	Part Name	Req	Remarks
		ALTERNATOR MOUNTING OPTION EH9434		To Suit Alternator Manufacturer/Model: Delco 21/22/23SI Alternator Support Type: 98.5mm Spool Alternator Centerline from Engine Centerline (mm): -294.2 Alternator Centerline from Crank Centerline (mm): 287.84 Alternator Pulley Diameter Over 2.5mm Balls (mm): 67.45 Alternator Pulley Groove Type: Poly V8, Rib K Alternator Drive Ratio: 2.9:1 Alternator Pulley Location: Front face of block to centerline of first groove (mm): 57.1 Crank Pulley Diameter Over 2.5mm Balls (mm): 199.42 Tensioner Pivot from Centerline of Engine (mm): -235.7 Tensioner Pivot from Centerline of Crank (mm): 133.97 Tensioner Pulley Centerline from Engine Centerline (mm): -175.2 Tensioner Pulley Centerline from Crank Centerline (mm): 67.34 Tensioner Pulley Diameter Over 2.5mm Balls (mm): 73.95 Tensioner Pulley Type: Grooved
1	3052061	Screw, Hexagon Head Cap	1	1/2 - 13 x 1 inch
2	3903112	Screw, Hex Flange Head Cap	3	M10 x 1.50 x 30
3	3902460	Screw, Hex Flange Head Cap	1	M10 x 1.50 x 25
4	3903105	Screw, Hex Flange Head Cap	1	M12 x 1.75 x 150
5	3926858	Pulley, Alternator	1	
6	3944312	Brace, Alternator	1	
7	3944311	Support, Alternator	1	
8	3903210	Nut, Hexagon Flange	1	M12 x 1.75

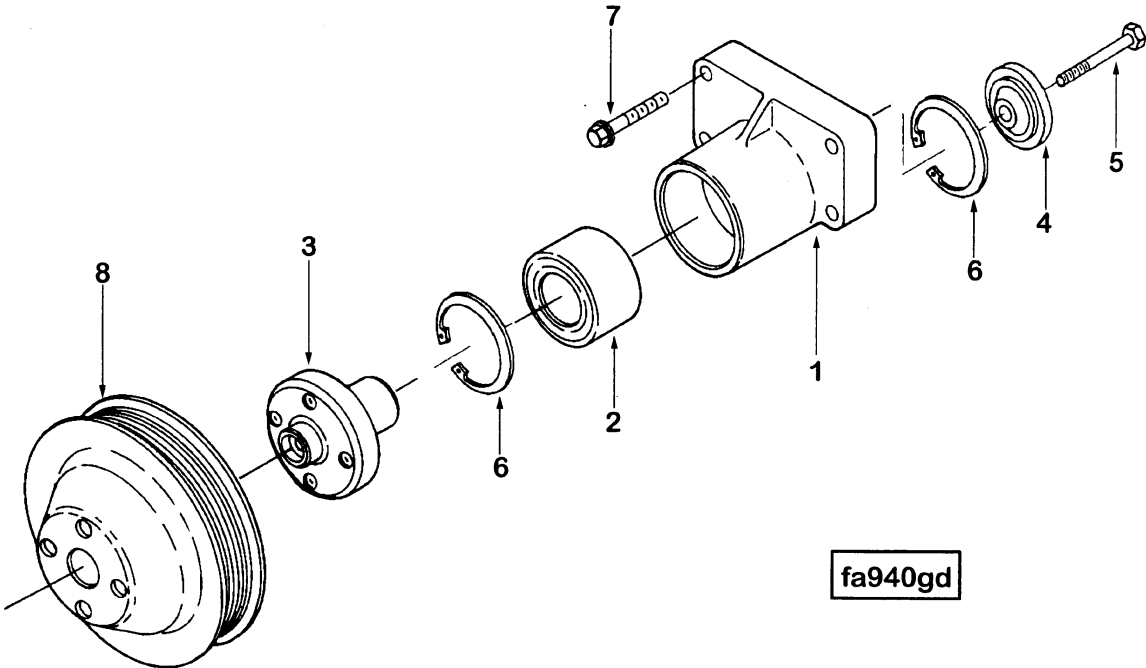


Ref No.	Part Number	Part Name	Req	Remarks
		FRONT ENGINE SUPPORT OPTION EM9190		Support Location: Front Support Type: Pad mount Mount Type: 2 hole Mounting Hole Size: 2 x 17mm Mount Material: 41025 Crank Centerline to Mounting Surface (mm): -164 Maximum Damper Diameter (mm): 275.58. M12 x 1.75 x 90
1	3902451	Screw, Hex Flange Head Cap	4	
2	3944979	Support, Front Engine	1	

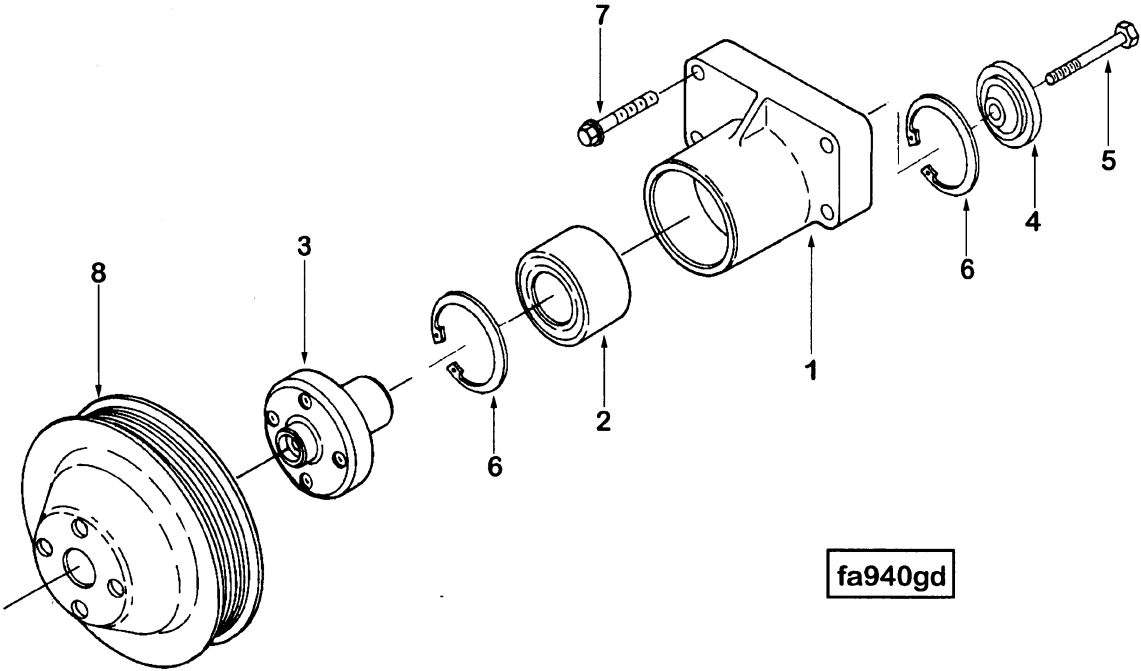


eo944ga

Ref No.	Part Number	Part Name	Req	Remarks
		SIGNAL GENERATING DEVICE OPTION EO9045		Pressure Sensor Engine Family: C Series Sensor Voltage: 12 24 Sensor Thread: 1/2x14 NPTF Sensor Connection: Customer supplied Sensor Mounting Location: To Be Determined Mounted in the front side of block between water pump and oil cooler.
1	S 982	Bushing, Reducing Pipe	1	3/4 NPTF(Ext) x 1/2 NPTF(Int)
2	3008468	Plug, Pipe	1	1/2 NPT

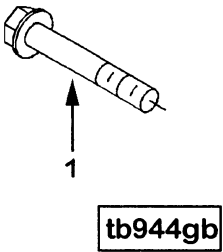


Ref No.	Part Number	Part Name	Req	Remarks
		FAN DRIVE OPTION FA9313		Fan Center: 343mm (13.5in.) Fan Drive Ratio: 1.1:1 Drive Hardware Supplied: Fan Pulley And fan support Fan Pulley Material: Spun Steel Fan Pulley Location: Front face of block to centerline of first groove (mm): 57.1 Fan Pulley Groove Type: Poly Vee 8rib K Fan Pulley Diameter Over 2.5mm Balls (mm): 181 Accy. Drive pulley mounting provision: M10x.5 Accy. Drive Mounting Location: Front face of block to mounting surface (mm): 128.3 Fan/spacer pilot diameter (mm): 25.4 Accy. Drive mounting bolt circle (mm): 4 x60 Crank Pulley Diameter Over 2.5mm Balls (mm): 199.42 Engine Family: Centerline Series.
	3942896	Support, Fan	1	
1	(3942895)	Support, Fan	1	
2	3910739	Bearing, Ball	1	
3	3911924	Hub, Fan	1	
4	3923044	Retainer, Fan Hub	1	
5	3907769	Screw, Hexagon Head Cap	1	M10 x 1.75 x 70
6	3035960	Ring, Retaining	2	
7	3900634	Screw, Hex Flange Head Cap	4	M10 x 1.50 x 50
8	3926855	Pulley, Fan	1	



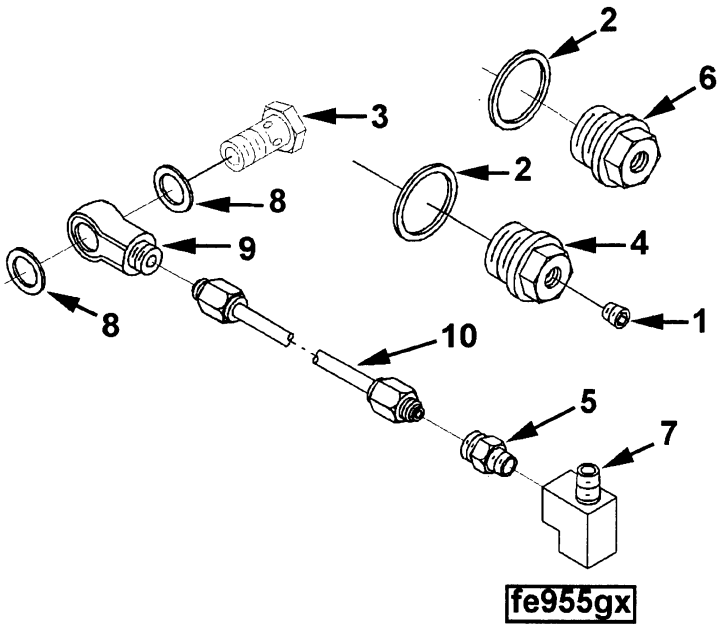
fa940gd

Ref No.	Part Number	Part Name	Req	Remarks
		FAN DRIVE OPTION FA9322		Fan Center: 343mm (13.5in.) Fan Drive Ratio: 0.87:1 Drive Hardware Supplied: Fan Pulley And fan support Fan Pulley Material: Spun Steel Fan Pulley Location: Front face of block to centerline of first groove (mm): 57.1 Fan Pulley Groove Type: Poly Vee 8rib K Fan Pulley Diameter Over 2.5mm Balls (mm): 229.522 Accy. Drive pulley mounting provision: M10X1.5 Accy. Drive Mounting Location: Front face of block to mounting surface (mm): 128.3 Fan/spacer pilot diameter (mm): 25.4 Accy. Drive Mounting Bolt Circle (mm): 4 x 60 Crank Pulley Diameter Over 2.5mm Balls (mm): 199.42 Engine Family: Centerline Series.
1	3942896	Support, Fan	1	
2	(3942895)	Support, Fan	1	
3	3910739	Bearing, Ball	1	
4	3911924	Hub, Fan	1	
5	3923044	Retainer, Fan Hub	1	
6	3907769	Screw, Hexagon Head Cap	1	M10 x 1.75 x 70
7	3035960	Ring, Retaining	2	
8	3900634	Screw, Hex Flange Head Cap	4	M10 x 1.50 x 50
	3926854	Pulley, Fan	1	

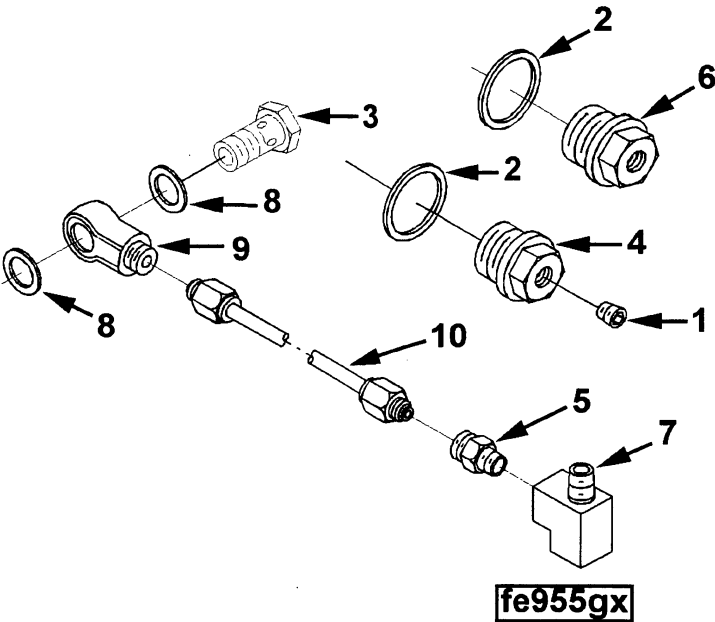


Ref No.	Part Number	Part Name	Req	Remarks
1	3903990	FAN DRIVE MOUNTING OPTION FA9739 Screw, Hex Flange Head Cap	4	Capscrew Size: M10 Fan Pulley Thickness (mm): 5 Accessory Drive Pulley Thickness (mm): 0 Clamping Plate Thickness (mm): 0 Capscrew Length (mm): 20 M10 x 1.50 x 20

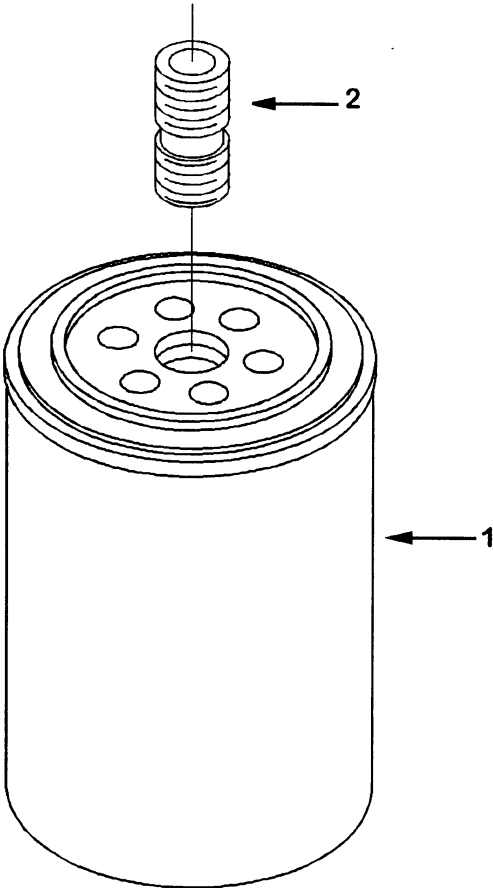
This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



Ref No.	Part Number	Part Name	Req	Remarks
		AIR FUEL CONTROL PLUMBING OPTION FE9008		Wastegate boost connection location tee in cylinder head From engine centerline(mm): 195 From crank centerline (mm): 455 From front fact of block (mm): -359 Fuel pump connection location From engine centerline(mm): 300 From crank centerline (mm): 505 From front face of block (mm): -315 AFC plumbing size/location: M22 forward From engine centerline (mm): 195 From crank centerline (mm): 455 From front face of block (mm): -359 Air heater ground size/location: M22 rearward From engine centerline (mm): 195 From crank centerline (mm): 455 From front face of block: -584 Fuel pump manufacturer/model: Bosch P3000.
1	3008466	Plug, Pipe	1	1/4 NPT.
2	3902425	Washer, Sealing	2	
3	3903035	Screw, Banjo Connector	1	
4	3908110	Plug, Threaded	1	1/8 NPT.
5	3909552	Connector, Male	1	
6	3921594	Plug, Threaded	1	
7	3930789	Tee, Street Pipe	1	
8	3963983	Washer, Sealing	2	
9	3990881	Connector, Banjo	1	
10	(3991512)	Tube, Air Fuel Control	1	

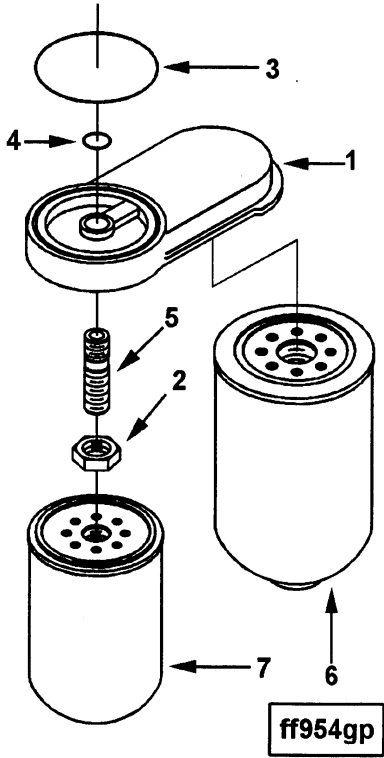


Ref No.	Part Number	Part Name	Req	Remarks
		AIR FUEL CONTROL PLUMBING OPTION FE9942		Wastegate Boost Connection Location: Tee in Cylinder Head -- From engine centerline (mm): 195 From crank centerline (mm): 455 From front face of block (mm): -359 Fuel Pump Connection Location -- From engine centerline (mm): 300 From crank centerline (mm): 505 From Front Face of Block(mm): -315 AFC Plumbing Size/Location: M22 Forward From engine centerline(mm): 195 From crank centerline (mm): 455 From front face of block (mm): -359 Air Heater Ground Size/Location: None Fuel Pump Manufacturer/Model: Bosch P3000. 1/4 NPT
1	3008466	Plug, Pipe	1	
2	3902425	Washer, Sealing	2	
3	3903035	Screw, Banjo Connector	1	M12 x 1.50 x 24
4	3924148	Plug, Threaded	1	
5	3909552	Connector, Male	1	
6	3921594	Plug, Threaded	1	
7	3930789	Tee, Street Pipe	1	
8	3963983	Washer, Sealing	2	
9	3990881	Connector, Banjo	1	
10	(3991512)	Tube, Air Fuel Control	1	

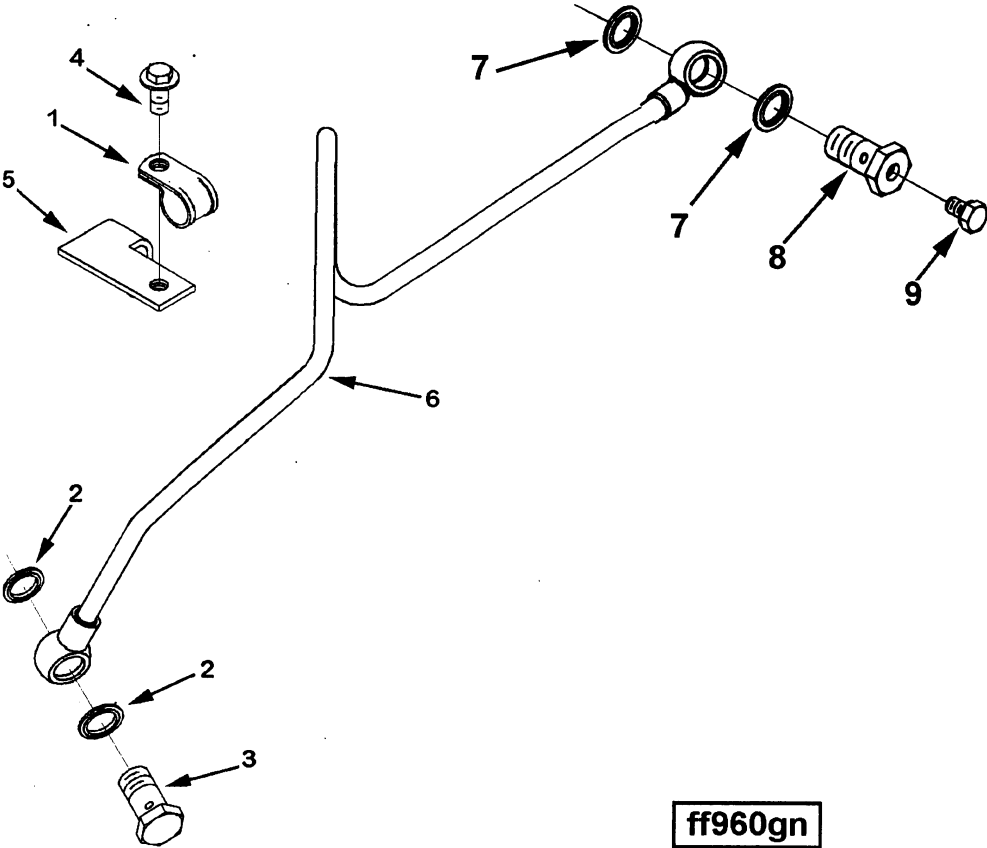


ff941gb

Ref No.	Part Number	Part Name	Req	Remarks
		FUEL FILTER OPTION FF9318		Element Type: Single Water Separator Provision: No Drain Provision: No Element Style: Spin-on Location: Left Side Rear Cylinder Block From Centerline to top of Canister: 383.2mm From Engine Centerline to Canister Centerline: 155.0mm From Front Face of Block to Canister Centerline: -702.0mm Fuel Filter Fuel Inlet Location: -Vertical from crank to centerline: 183 -Horizontal from engine centerline: 396 -Horizontal from front face of block: -738 Fuel Filter Fuel Outlet Location: -Vertical from crank to centerline: 413 -Horizontal from engine centerline: 193 -Horizontal from front face of block: -695 Absolute Filtration (microns): 25 Engine Family: "C" Series. Purchase from Fleetguard
1	(3931063)	Filter, Fuel	1	
2	3925954	Adapter, Filter Head	1	

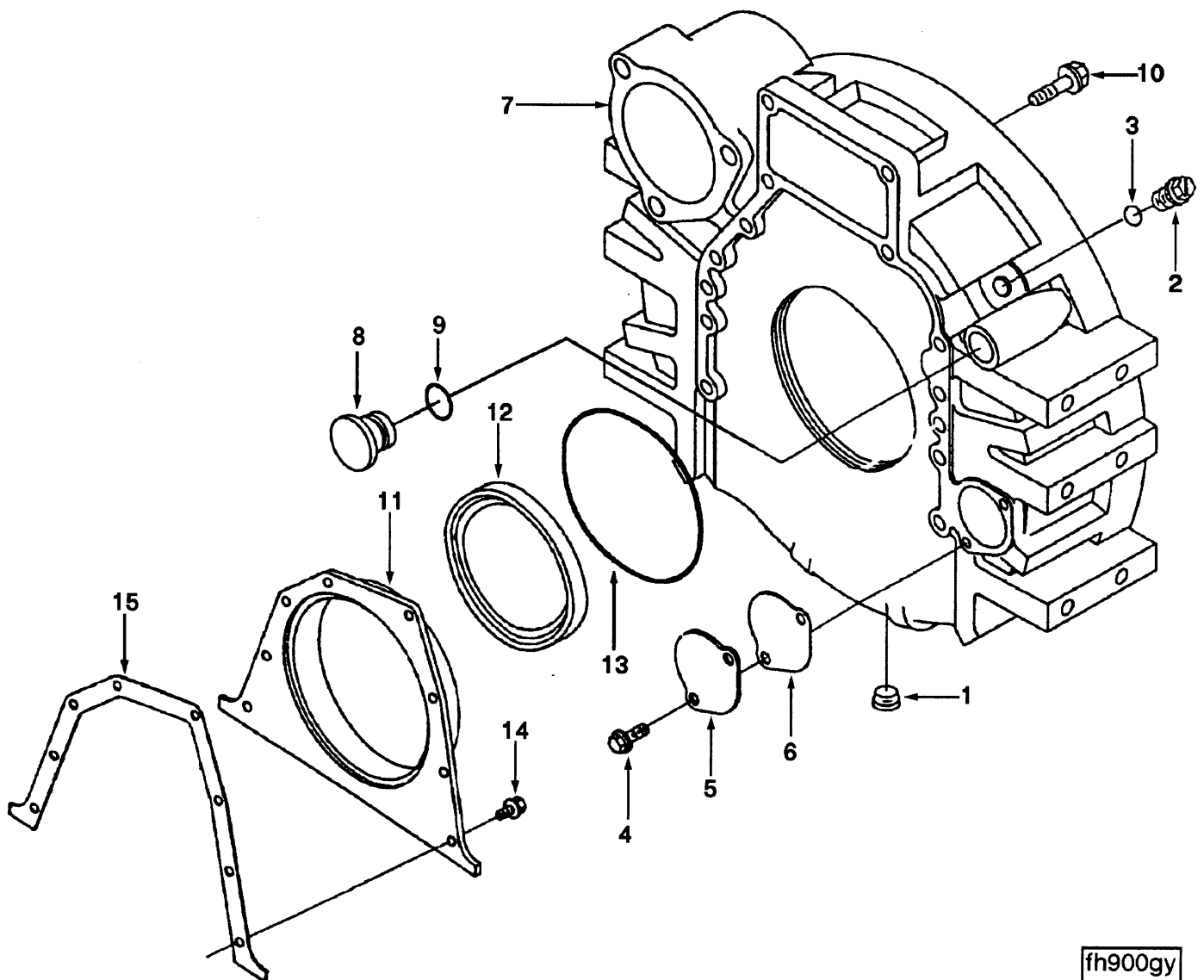


Ref No.	Part Number	Part Name	Req	Remarks
		FUEL FILTER OPTION FF9340		Element Type: Dual Primary Element Style: Spin- On Primary Water Separator Provision: Yes Primary Drain Provision: Yes Primary Location : Left Side Rear Cylinder Block From crank centerline to top of canister: 362.62mm From engine centerline to canister centerline: 155.0mm From front face of block to canister centerline: -797.0mm Second Element Style: Spin-On Second Water Separator Provision: No Second Drain Provision: No Second Location: Left side Rear cylinder block From crank centerline to top of canister: 125.0mm From engine centerline to canister centerline: 155.0mm From front face of block to canister centerline: -702.0mm Fuel Filter Fuel Inlet Location: Vertical from crank to centerline: 183 Horizontal from engine centerline: 396 Horizontal from front face of block: -738 Fuel filter fuel outlet location: Vertical from crank to centerline: 413 Horizontal from engine centerline: 193 Horizontal from front face of block: -695 Absolute filtration (microns): 25 Engine Family: "C" Series Unique Characteristics: Filter Head Is positioned parallel to the engine crankshaft.
	3936315	Head, Fuel Filter	1	
1	(3936313)	Head, Fuel Filter	1	
	3897329	Ball	1	
	(3936337)	Adapter, Filter Head	1	
2	3903293	Nut, Regular Hexagon Jam	1	M16 x 1.50
3	3906694	Seal, Rectangular Ring	1	
4	3906695	Seal, Rectangular Ring	1	
5	3925955	Adapter, Filter Head	1	
6	(3930942)	Filter, Fuel	1	Purchase from Fleetguard
7	(3931063)	Filter, Fuel	1	Purchase from Fleetguard



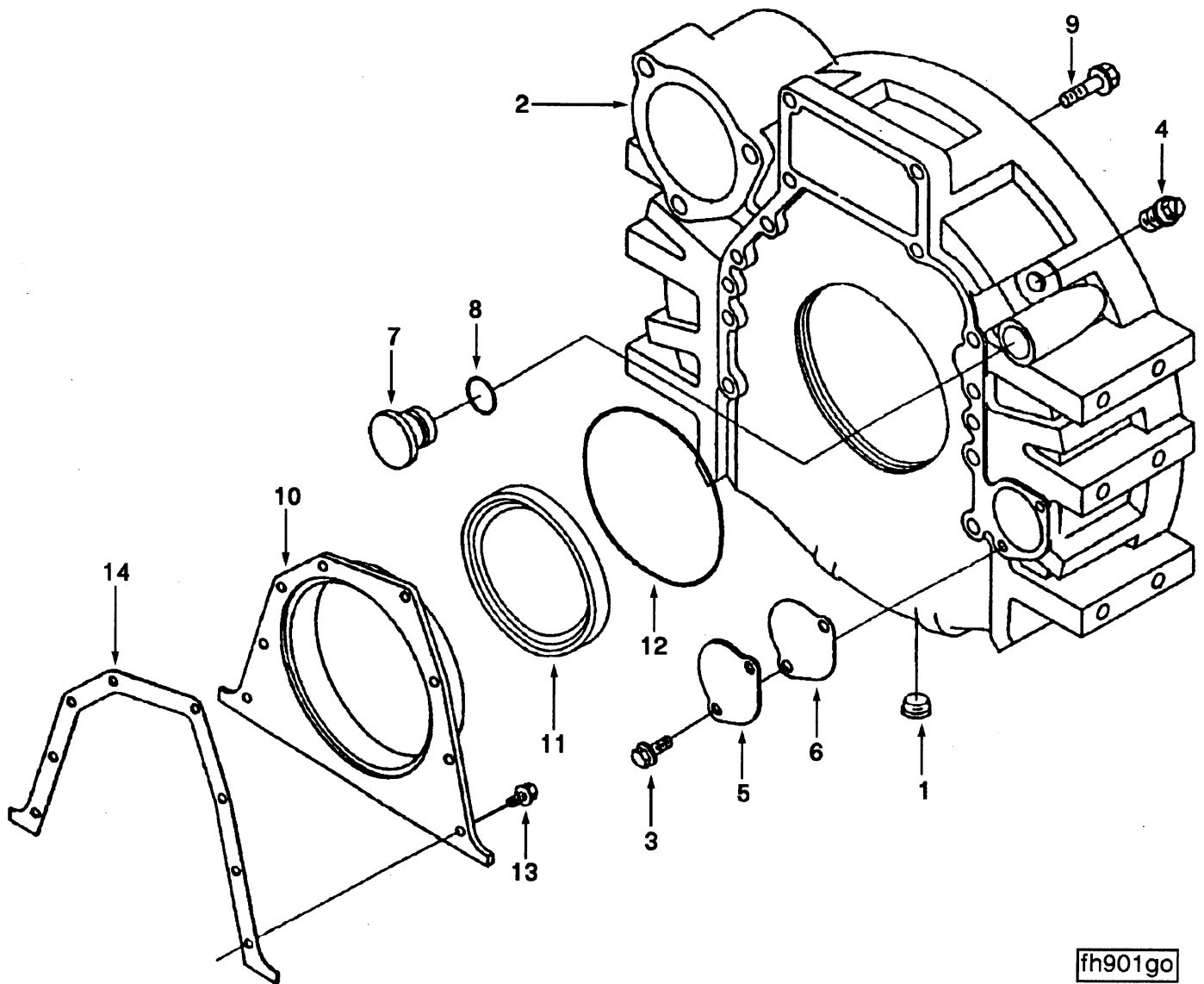
ff960gn

Ref No.	Part Number	Part Name	Req	Remarks
		FUEL FILTER PLUMBING OPTION FF9886		Family: "C" Series Fuel Filter Location: Left Side Rear From centerline of crank to top of canister: 383.2mm From centerline of engine to canister centerline: 155.0mm From front face of block to canister centerline: 702.0mm Fuel pump fuel inlet location: From centerline of crank to centerline of fitting: 414.3 From centerline of engine to centerline of fitting: 296.2 From front face of block to centerline of fitting: -226.6 Fuel filter fuel outlet location: Left rear cylinder head (dim as follows): From centerline of engine centerline of engine (mm): 193 From centerline of crank (mm): 413 From front face of block block (mm): -695.
1	3914711	Clip	1	
2	3863988	Washer, Sealing	2	
3	3924725	Screw, Banjo Connector	1	M14 x 1.50 x 26
4	3093923	Screw, Hex Flange Head Cap	1	
5	3930375	Brace, Tube	1	
6	3930766	Tube, Fuel Supply	1	
7	3963983	Washer, Sealing	2	
	(3905860)	Screw, Banjo Connector	1	
8	3911446	Screw, Banjo Connector	1	M12 x 1.50 x 24
9	3939570	Screw, Captive Washer Cap	1	M6 x 1.00 x 10

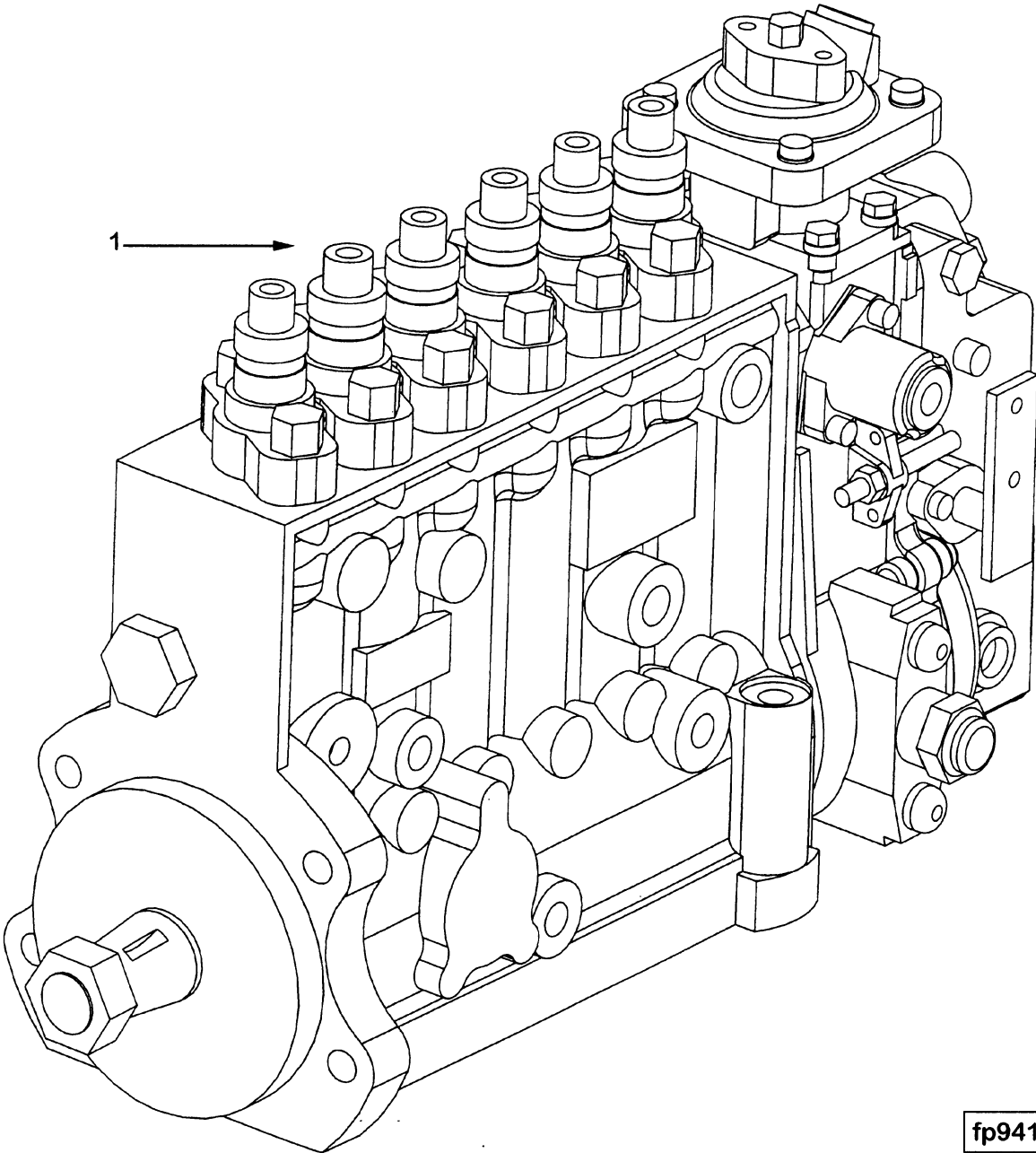


fh900gy

Ref No.	Part Number	Part Name	Req	Remarks
		FLYWHEEL HOUSING OPTION FH9348		Item Supplied: Flywheel Housing Flywheel housing SAE size: 3 Clutch Type: Wet Starter Bore Position: 49 Flywheel to block mounting pattern: 12 x m12 x1.75 Starter motor flange SAE type: SAE#3 3 bolt 120 Starter pilot bore diameter (mm): 92.05 Starter Bore Horizontal Distance (mm): 168.12 Starter Bore Vertical Distance (mm): 146.14 Starter Bore Center Distance (mm): 222.76 Starter Bore Angle From Horizontal Centerline: 41 Angle to starter bore mounting hole pattern: 30 Starter Mounting Hole Thread Size: M12 Starter mounting face offset: 0 Rear engine PTO includes: No Material: Aluminum; 50010, 50016 Engine Mount Type: Pad Mounting pad hole description: 6 xm12 x1.75 Mounting pad top hole location (mm): 82.56 Mounting pad angle: 0 Transmission mounting hole thread/count: 12 xm10 x1.5 Tachometer drive location size: Quad 4, 3/4-16 Tachometer sensor mounting hole count: 1 Engine Family: "C" Series, "L" Series.
1	3008469	Plug, Pipe	1	3/4 NPT
	3045782	Plug, Threaded	1	3/4 - 16 UNF
2	(3043556)	Plug, Threaded	1	
3	3046201	Seal, O Ring	1	
4	3912072	Screw, Self Tapping Metal	2	M8 x 1.25 x 15
5	3908095	Plate, Cover	1	
6	3936027	Gasket, Cover Plate	1	
7	3908799	Housing, Flywheel	1	
8	3910248	Plug, O Ring	1	
9	3910260	Seal, O Ring	1	
10	3920447 (3911698)	Screw, Hex Flange Head Cap Cover, Rear	12 1	M12 x 1.75 x 40
11	3933384	Cover, Rear	1	
12	3909411 (3920147)	Rear Crank Seal Serv.Kit Seal, Oil	1 1	Includes Installation Tools
13	3912473	Seal, Rectangular Ring	1	
14	3991306	Screw, Hex Flange Head Cap	8	M6 x 1.00 x 16
15	3914301	Gasket, Rear Cover	1	
	3919807	Screw, Socket Set	4	M12 x 1.75 x 12 Not Shown

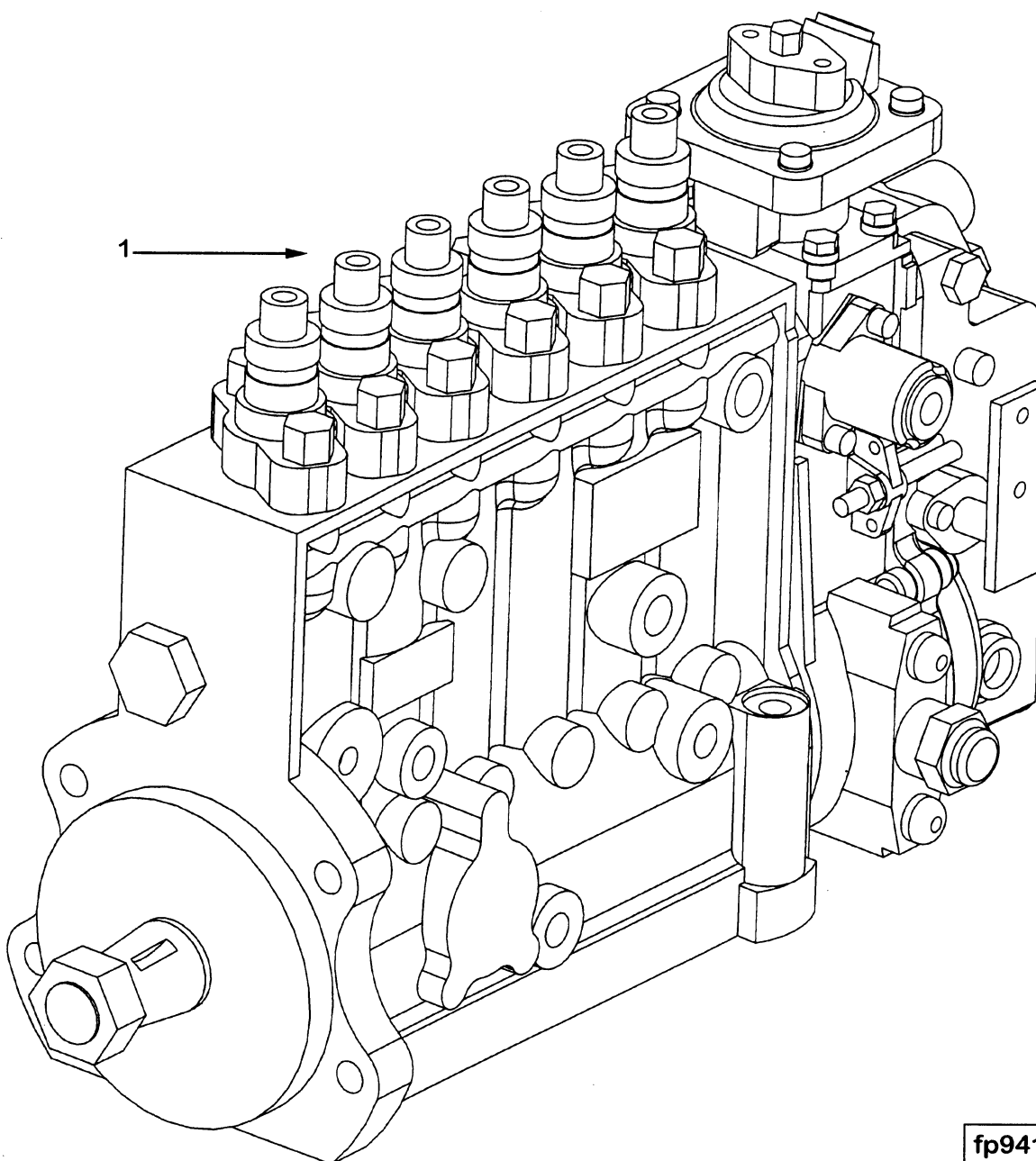


Ref No.	Part Number	Part Name	Req	Remarks
		FLYWHEEL HOUSING OPTION FH9356		Item Supplied: Flywheel Housing Flywheel housing SAE size: 2 Clutch Type: Dry Starter Bore Position: 49 Flywheel to block mounting pattern: 12 x M12 x1.75 Starter motor flange SAE type: SAE#3 3 bolt 120 Starter pilot bore diameter (mm): 106 Starter Bore Horizontal Distance (mm): 181.29 Starter Bore Vertical Distance (mm): 157.59 Starter Bore Center Distance (mm): 240.21 Starter Bore Angle From Horizontal Centerline: 41 Angle to starter bore mounting hole pattern: 42 Starter Mounting Hole Thread Size: M12 Starter mounting face offset: 0 Rear engine PTO includes: No Material: Cast Iron; 40001 Engine Mount Type: Pad Mounting pad hole description: 6 x M12 x1.75 Mounting pad top hole location (mm): 104.78 Mounting pad angle: 0 Transmission mounting hole thread/count: 12 x M10 x1.5 Tachometer drive location size: Quad 4, 3/4-16 Tachometer sensor mounting hole count: 1 Engine Family: "C" Series, "L" Series.
2	3352392	Housing, Flywheel	1	
3	3900225	Screw, Hexagon Head Cap	2	M8 X 1.25 X 16.
4	3904181	Plug, Threaded	1	3/4 - 16 UNF.
5	3925234	Plate, Cover	1	
7	3910248	Plug, O Ring	1	
8	3910260	Seal, O Ring	1	
9	3920447	Screw, Hex Flange Head Cap	12	M12 x 1.75 x 40
	(3911699)	Cover, Rear	1	
10	3933384	Cover, Rear	1	
11	3934486	Rr Crankseal Serv Kit	1	Includes Installaton Tools
	(3933262)	Seal, Oil	1	
12	3912473	Seal, Rectangular Ring	1	
13	3991306	Screw, Hex Flange Head Cap	8	M6 x 1.00 x 16
14	3914301	Gasket, Rear Cover	1	



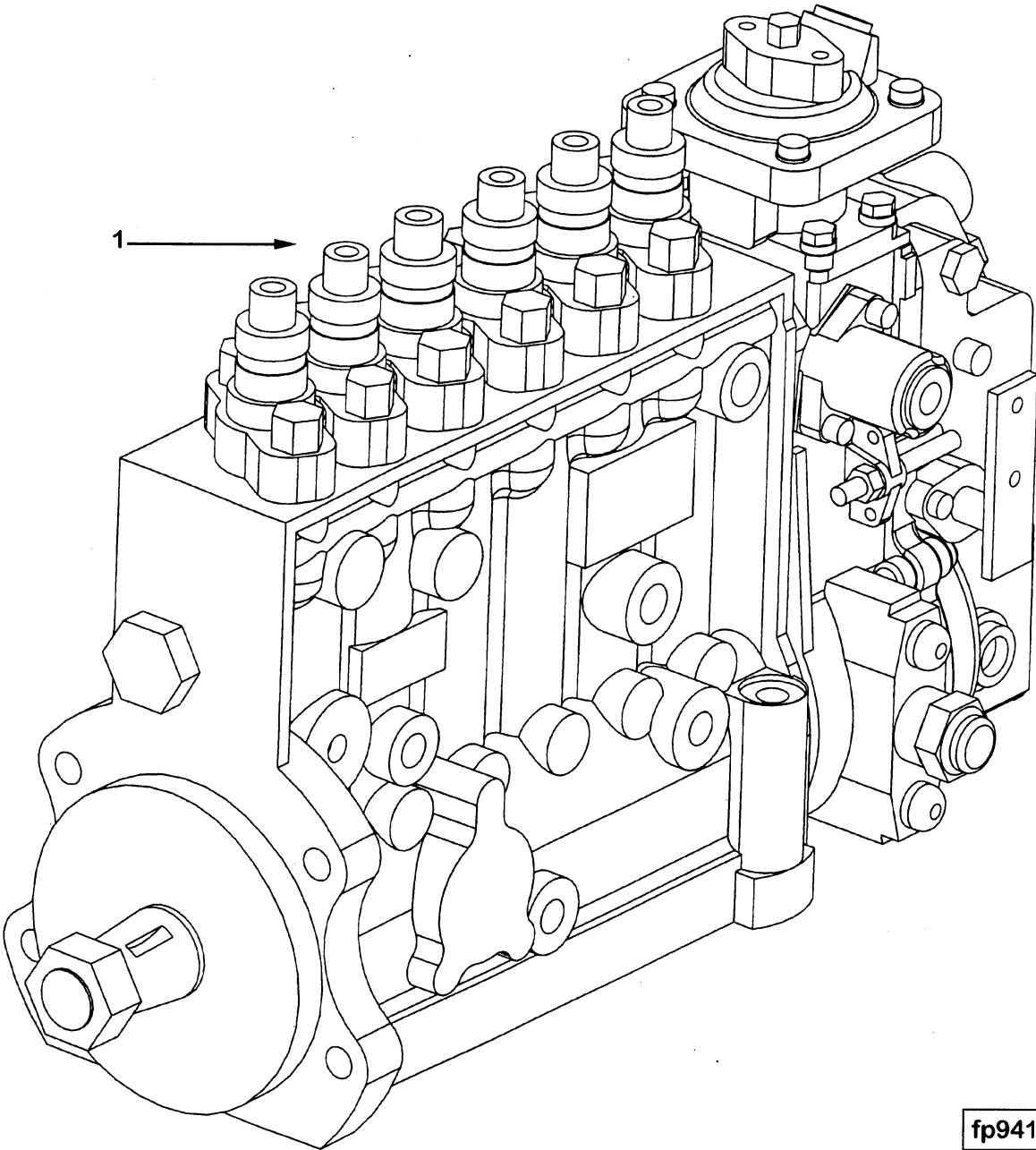
fp941gh

Ref No.	Part Number	Part Name	Req	Remarks
		FUEL PUMP OPTION FP98969		
1	3938372	Pump, Fuel Injection TLA	1	Engine Family: "C" Series Engine Application: Nonroad Certification Level: Tier 1 , Stage II Peak Power: 265 At 2000 Rated Power: 250 at 2200 Peak Torque: 853 At 1500 Engine Control System: Mechanical Engine Design Phase: Elite II Fuel Pump Manufacturer/Model: Bosch P3000 Governor Type: RSV CPL: 8185 Cylinders: 6 Applicable FR option: FR90883 Structure Code: 03 EBM Shutoff Lever: 3929322 Shutoff Lever Actuation: Electric Throttle Lever Connection Interface: 2 x m6 on 25mm center.



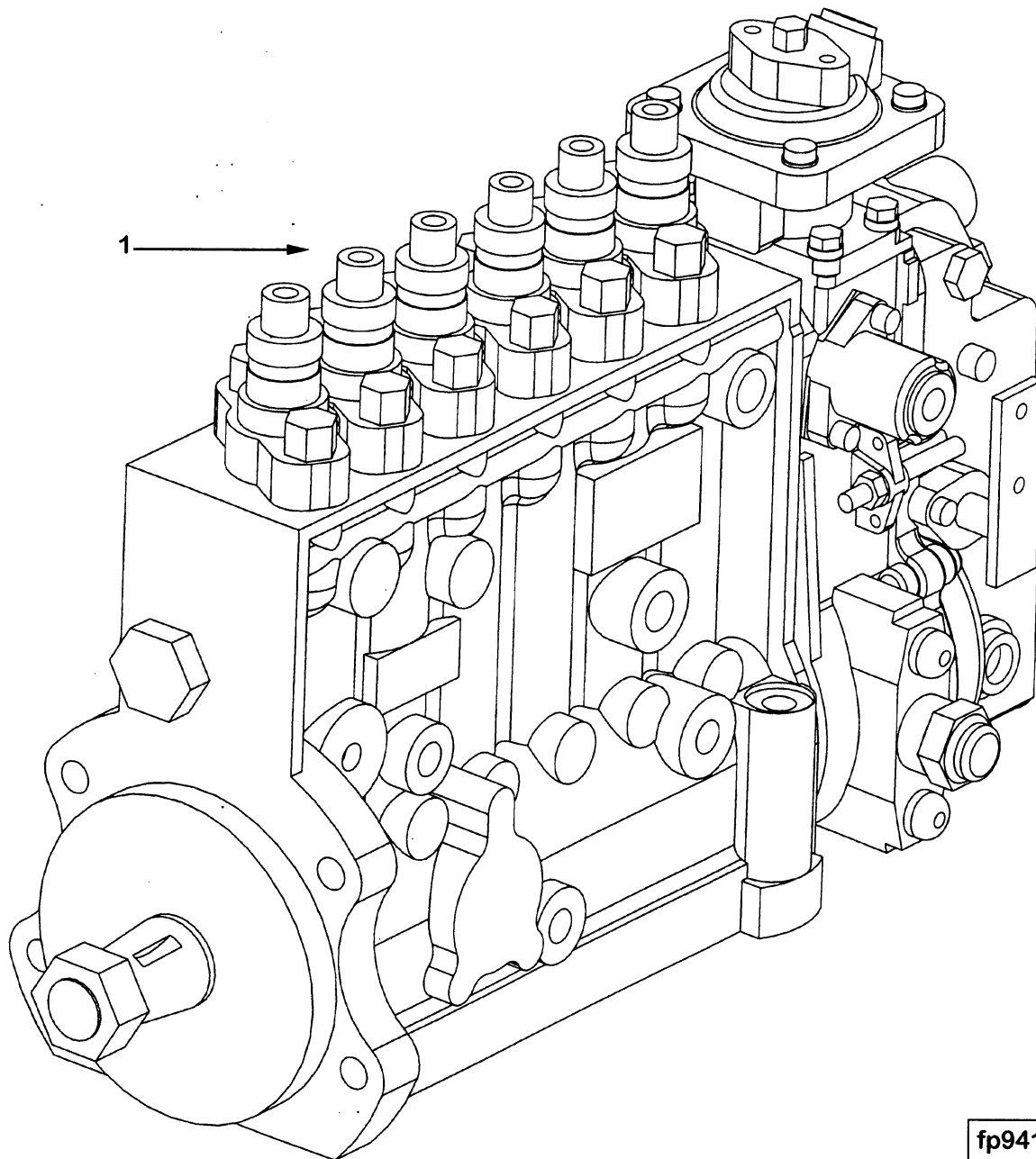
fp941gh

Ref No.	Part Number	Part Name	Req	Remarks
		FUEL PUMP OPTION FP98972		
1	3938375	Pump, Fuel Injection TLA	1	Engine Family: "C" Series Engine Application: Nonroad Certification Level: None Peak Power: 257 @ 2000 Rated Power: 240 @ 2200 Peak Torque: 824 @ 1500 Engine Control System: Mechanical Engine Design Phase: Elitell Fuel Pump Manufacturer/Model: Bosch P3000 Governor Type: RSV CPL: 8185 Cylinders: 6 Applicable FR Option: FR90886 Shutoff Lever: 3929322 Shutoff Lever Actuation: Electric Throttle Lever Connection Interface: 2 M6 On 25mm Center.



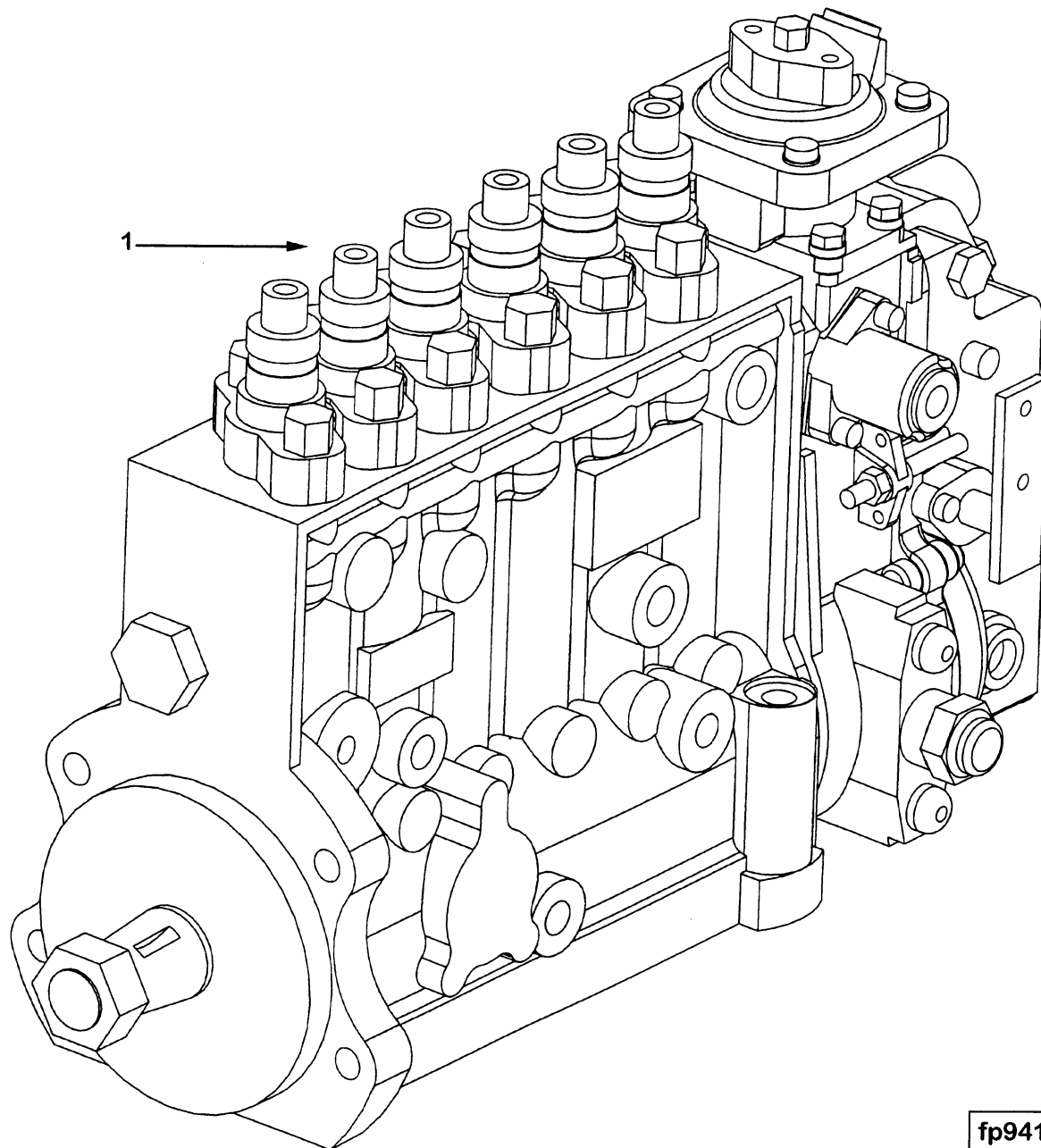
fp941gh

Ref No.	Part Number	Part Name	Req	Remarks
		FUEL PUMP OPTION FP98973		
1	3938376	Pump, Fuel Injection TLA	1	Engine Family: "C" Series Engine Application: Nonroad Certification Level: Tier 1, Stage II Peak Power: 249 At 2000 Rated Power: 230 at 2200 Peak Torque: 804 At 1500 Engine Control System: Mechanical Engine Design phase: Elitell Fuel Pump manufacturer/model: Bosch P3000 Governor Type: RSV CPL: 8211 Cylinders: 6 Applicable FR option: FR90887 Structure Code: 03 EBM Shutoff Lever: 3929322 Shutoff Lever Actuation: Electric Throttle Lever Connection Interface: 2 x m6 on 25mm center.



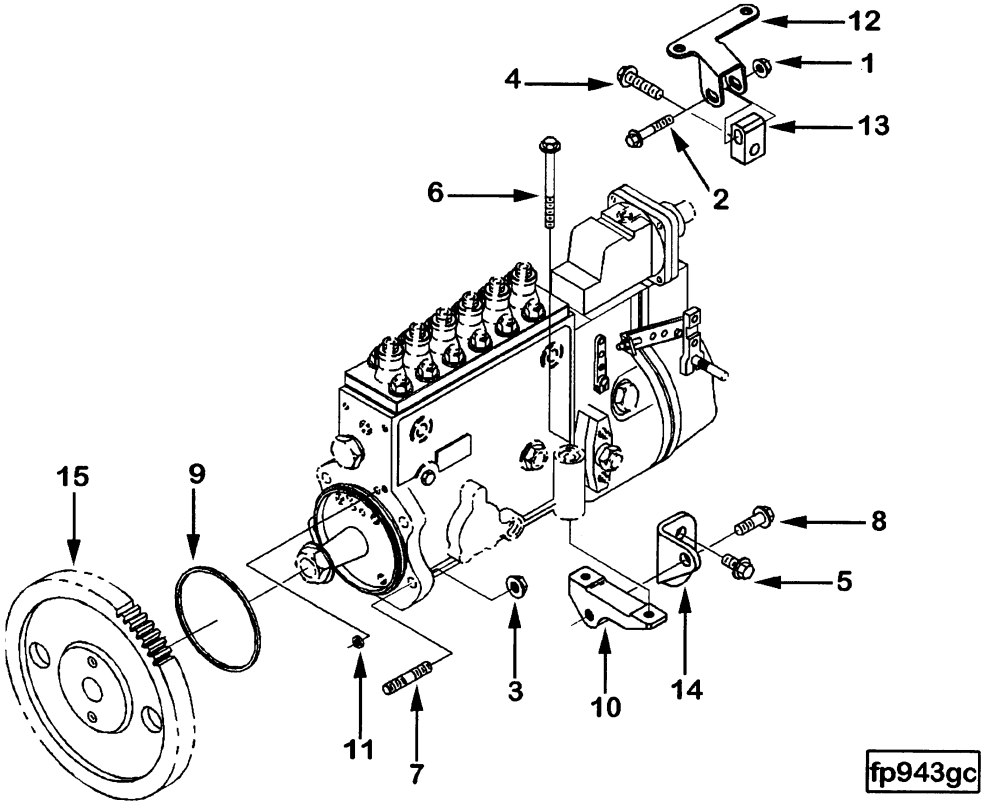
fp941gh

Ref No.	Part Number	Part Name	Req	Remarks
		FUEL PUMP OPTION FP98978		Engine Family: "C" Series Engine Application: Nonroad Certification Level: Tier 1, Stage II Peak Power: 225 At 2000 Rated Power: 215 at 2200 Peak Torque: 719 At 1500 Engine Control System: Mechanical Engine design phase:Elitell Fuel pump manufacturer/model: Bosch P3000 Governor Type: RSV CPL: 2996 Cylinders: 6 Applicable FR: FR90892 Structure Code: 03 EBM Shutoff Lever: 3929322 Shutoff Lever Actuation: Electric Throttle Lever Connection Interface: 2 x m6 on 25mm center.
1	3938381	Pump, Fuel Injection TLA	1	

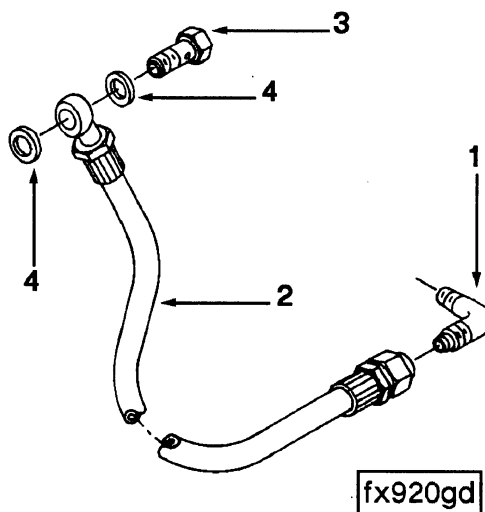


fp941gh

Ref No.	Part Number	Part Name	Req	Remarks
		FUEL PUMP OPTION FP98981		
1	3938384	Pump, Fuel Injection TLA	1	Engine Family: "C" Series Engine application: Nonroad Certification Level: Tier 1 , Stage II Peak Power: 215 At 2000 Rated power: 205 at 2200 Peak Torque: 730 At 1500 Engine Control System: Mechanical Engine design phase: Elitell Fuel pump Manufacturer/model: Bosch P3000 Governor Type: RSV CPL: 2996 Cylinders: 6 Applicable FR option: FR90895 Shutoff lever: 3929322 Shutoff actuation: Electric Throttle Lever Connection Interface: 2 x m6 on 25mm center.

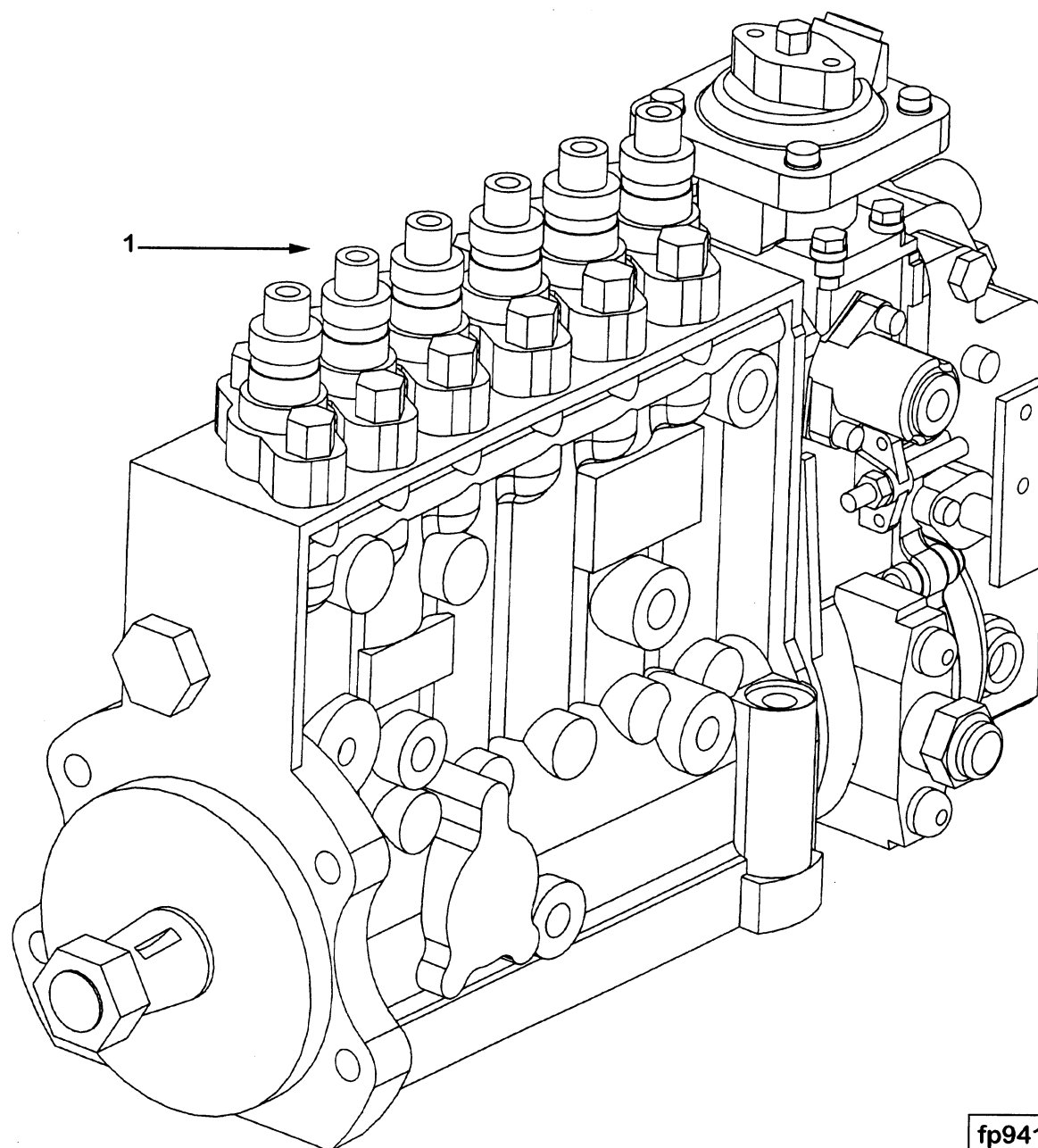


Ref No.	Part Number	Part Name	Req	Remarks
		FUEL PUMP MOUNTING OPTION FP99001		Fuel Pump Manufacturing/model: Bosch P3000 Includes mounting and drive components.
1	3900589	Nut, Hexagon Flange	1	M8 x 1.25
2	3901445	Screw, Hex Flange Head Cap	1	M8 x 1.25 x 45
3	3902662	Nut, Hexagon Flange	4	M10 x 1.50
4	3903464	Screw, Hex Flange Head Cap	1	M10 x 1.50 x 40
5	3903990	Screw, Hex Flange Head Cap	2	M10 x 1.50 x 20
6	3913366	Screw, Hex Flange Head Cap	2	M8 x 1.25 x 90
7	3282372	Stud	4	
8	3920622	Screw, Hex Flange Head Cap	1	M10 x 1.00 x 30
9	3924605	Seal, Rectangular Ring	1	
10	3926273	Support, Fuel Pump	1	
11	3926722	Seal, Rectangular Ring	1	
12	3921357	Brace, Fuel Pump	1	
13	3926781	Support, Fuel Pump	1	
14	(3938091)	Support, Fuel Pump	1	
15	3931380	Gear, Fuel Pump	1	



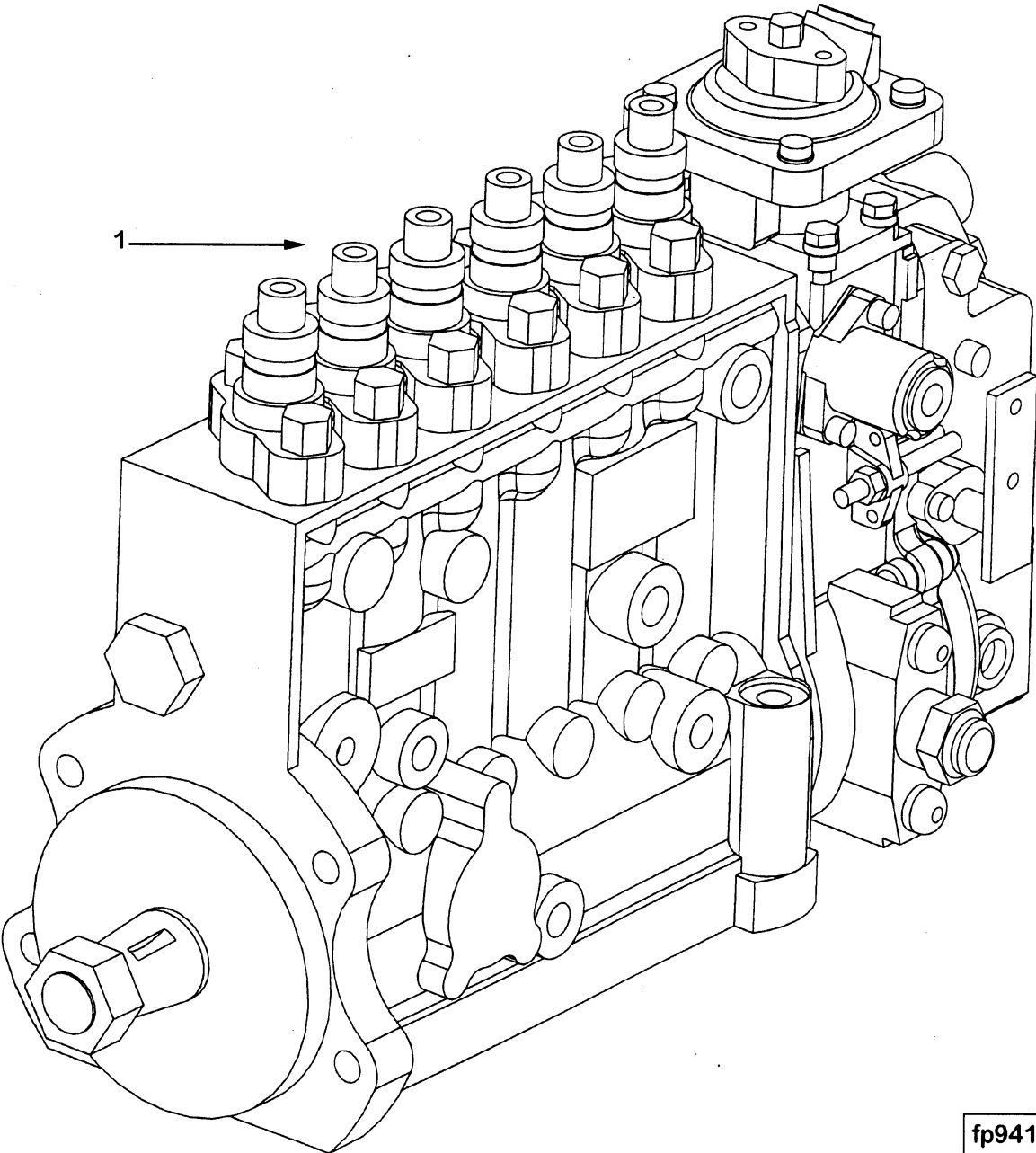
Ref No.	Part Number	Part Name	Req	Remarks
		FUEL PUMP OPTION FP99002		Lube Oil Supply Location: #3 Oil Rifle Port From Engine C/L(mm): 157 From Crank C/L(mm): 85 From FFOB (mm): -428 Fuel Pump Connection Location: Latchout From C/L of Crank to C/L of Fitting: 296.2 From C/L of Engine to C/L of Fitting: 414.3 From FFOB to C/L of Fitting: -226.6 Air Compressor Plumbing Provision: None Engine Family: C Series Fuel Pump MFG/Model: Bosch P3000 DEP may use 3280572 in place of 3918002.
1	3945212	Elbow, Plain Union	1	
2	3916779	Hose, Flexible	1	
3	3918002	Screw, Banjo Connector	1	M10 x 1.00 x 19
4	3918190	Washer, Sealing	2	

[illegible]



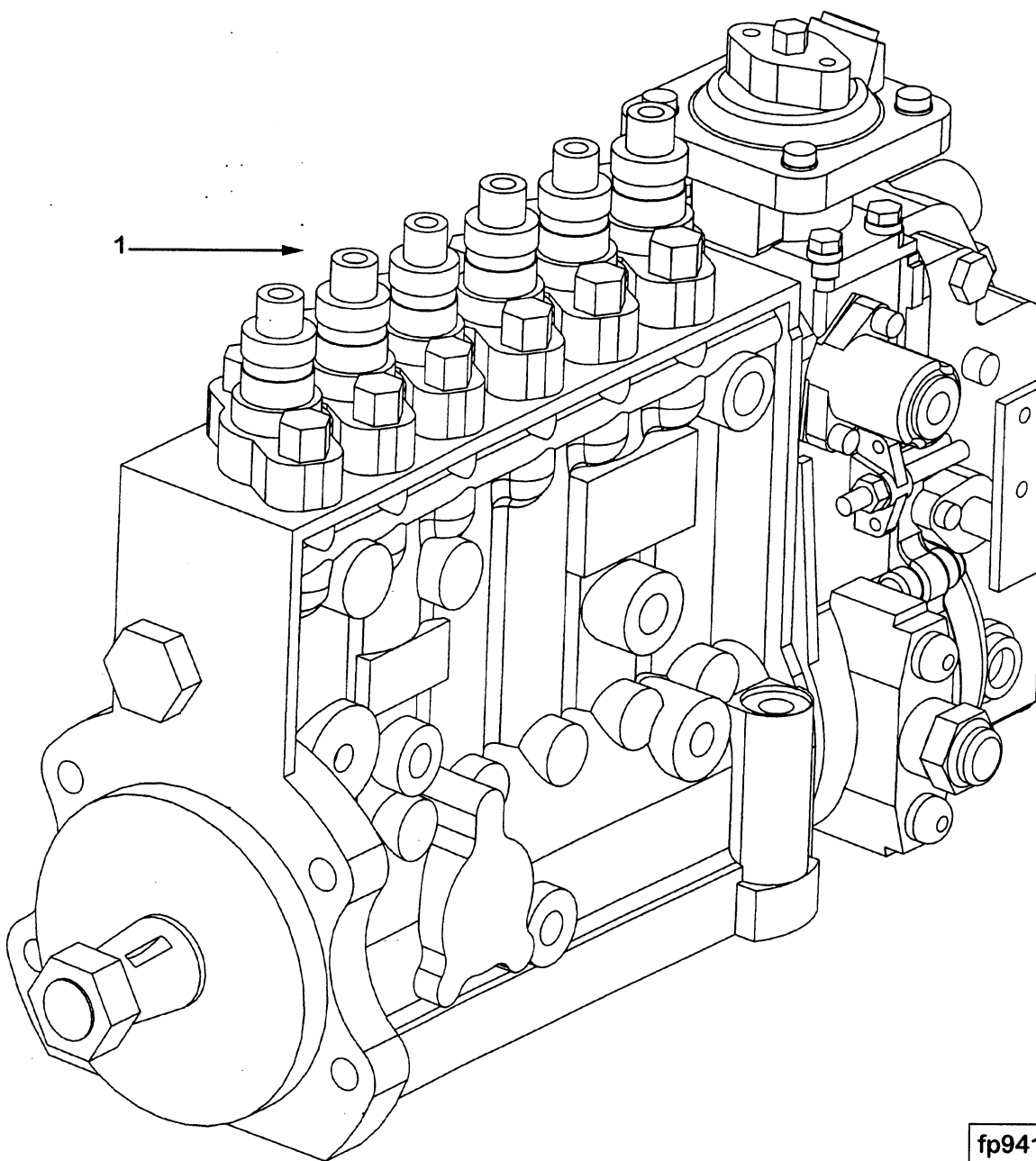
fp941gh

Ref No.	Part Number	Part Name	Req	Remarks
		FUEL PUMP OPTION FP99126		Engine Family: "C" Series Engine Application: Nonroad Certification Level: Tier 1, Stage II Peak Power: 193 At 2000 Rated Power: 185 at 2200 Peak Torque: 631 At 1500 Engine Control System: Mechanical Eng Design Phase: Elite II Fuel Pump manufacturer/model: Bosch P3000 Governor Type: RSV CPL: 8307 Cylinders: 6 Applicable FR: FR91002 Structure Code: 03 EBM Shutoff Lever: 3929322 Shutoff Lever Actuation: Electric Throttle Lever Connection Interface: 2 x m6 on 25mm center.
1	(3939851)	Pump, Fuel Injection TLA	1	



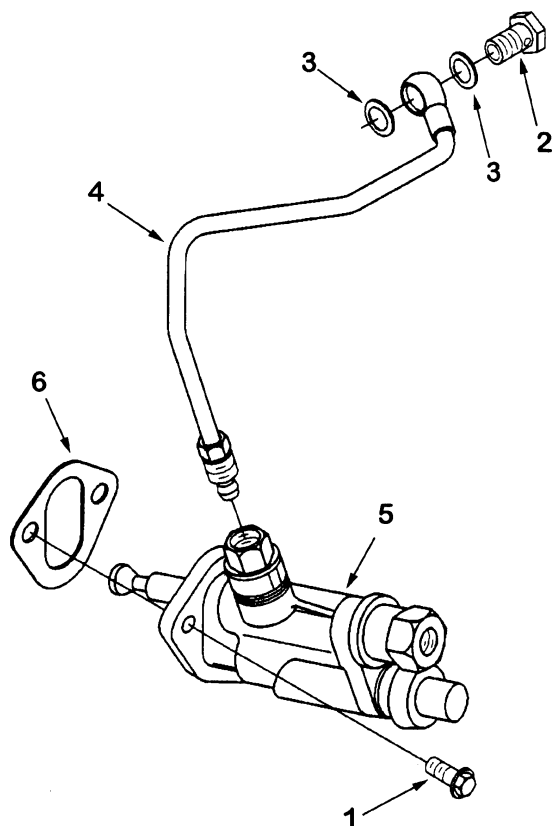
fp941gh

Ref No.	Part Number	Part Name	Req	Remarks
		FUEL PUMP OPTION FP99127		Engine Family: "C" Series Engine Application: Nonroad Certification Level: Tier 1, Stage II Peak Power: 194 @ 1800 Rated Power: 190 @ 2000 Peak Torque: 638 @ 1500 Engine Control System: Mechanical Engine Design Phase: Elite II Fuel Pump Manufacturer/Model: Bosch P3000 Governor Type: RSV CPL: 8197 Cylinders: 6 Applicable FR Option: FR91003 Shutoff Lever: 3929322 Shutoff Lever Actuation: Electric Throttle Lever Connection Interface: 2 x m6 on 25mm center.
1	3939850	Pump, Fuel Injection TLA	1	



fp941gh

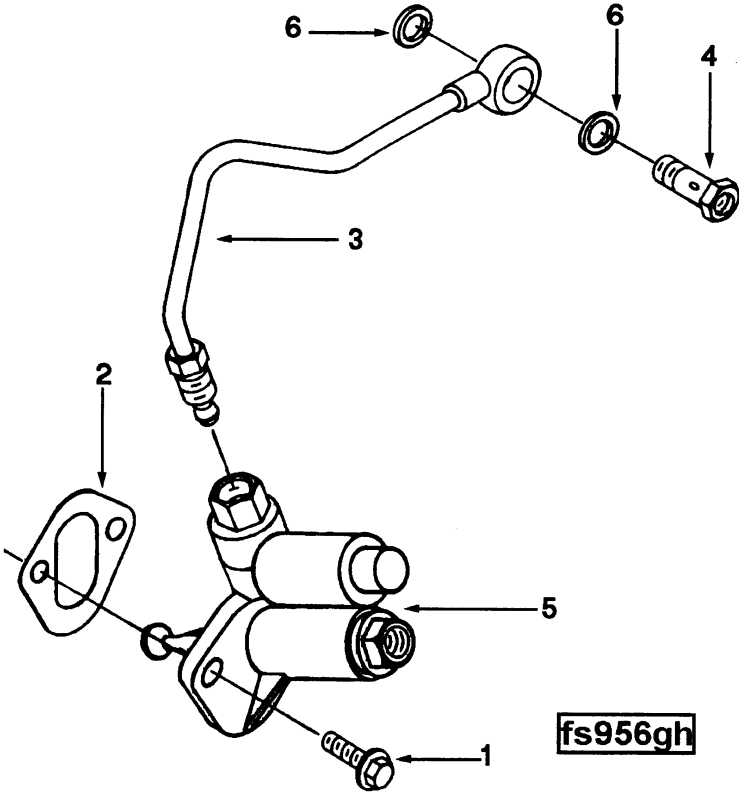
Ref No.	Part Number	Part Name	Req	Remarks
		FUEL PUMP OPTION FP99383		Engine Family: "C" Series Engine Application: Nonroad Certification Level: Tier 1, Stage II Peak Power: 275 At 2000 Rated Power: 260 at 2200 Peak Torque: 825 At 1500 Engine Control System: Mechanical Eng Design Phase: Elite II Fuel Pump manufacturer/model: Bosch P3000 Governor Type: RSV CPL: 8185 Cylinders: 6 Applicable FR: FR91194 Structure Code: 03 EBM Shutoff lever: 3929322 Shutoff lever actuation: Electric Throttle Lever Connection Interface: 2 x m6 on 25mm center.
1	3938371	Pump, Fuel Injection TLA	1	



fs920gw

Ref No.	Part Number	Part Name	Req	Remarks
		FUEL TRANSFER PUMP OPTION FS9724		Fuel Inlet Port Size: 1/2-14 NPTF Fuel Inlet Port Location: From crank centerline to inlet centerline: 212.1 From engine centerline to inlet centerline: 252.2 From front face of block to inlet centerline: -635.5 Fuel filter fuel inlet location: Vertical from crank to centerline: 183 Horizontal from engine centerline: 396 Horizontal from front face of block: -738. Pump standard measured flow (LPH): 175-315 Pump measured flow (Pump RPM): 1250
1	3909310	Screw, Hexagon Head Cap	2	
2	3916361	Screw, Banjo Connector	1	M12 x 1.50 x 24
3	3963983	Washer, Sealing	2	
4	3918539	Tube, Fuel Supply	1	
5	3936316	Pump, Fuel Transfer	1	
6	3939258	Gasket, Cover Plate	1	

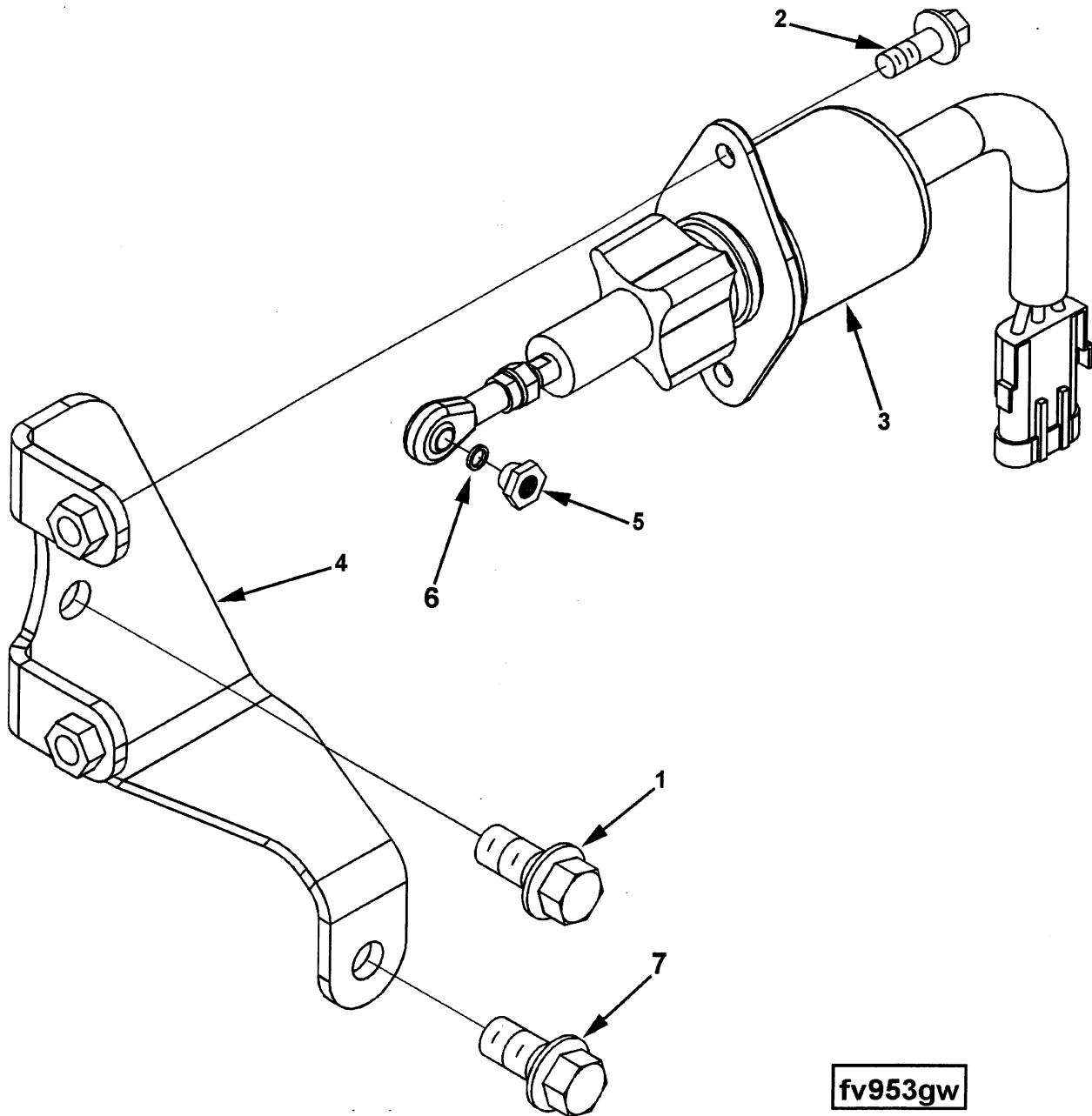
NOTES



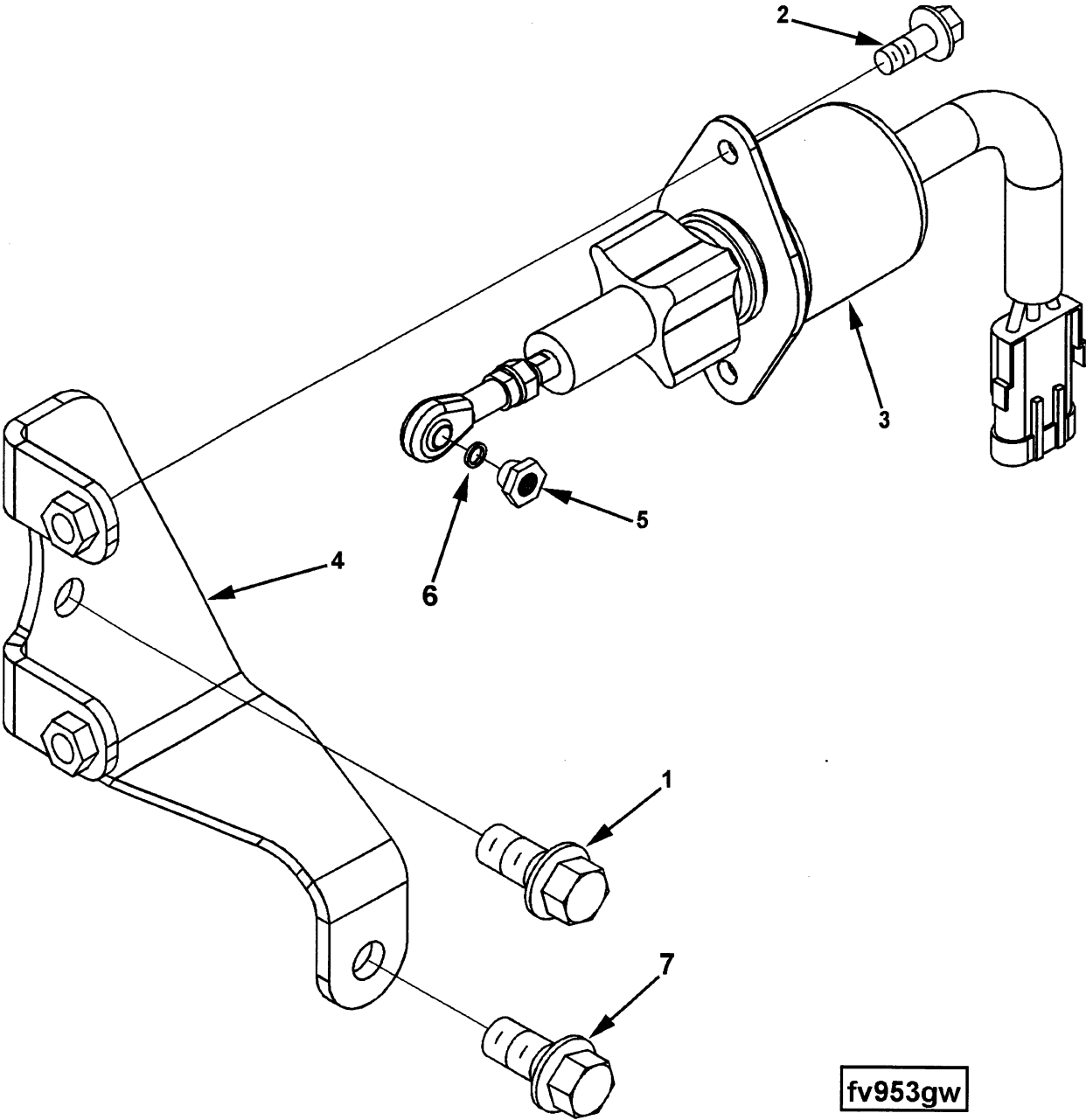
fs956gh

Ref No.	Part Number	Part Name	Req	Remarks
		FUEL TRANSFER PUMP OPTION FS9727		Fuel Inlet Port Size: 1/4-14 NPTF Fuel Inlet Port Location: Vertical from crankshaft centerline to inlet centerline (mm): 198 Horizontal from engine centerline to inlet centerline (mm): 315.5 Horizontal from front face of block to inlet centerline (mm): -593.2 Fuel Filter Inlet Location: Vertical from crank centerline (mm): 626.1 Horizontal from engine centerline (mm): 288 Horizontal from front face of block (mm): -541.2 Pump stand measured flow (lph): 115-145 Pump measured flow (pump RPM): 1250.
1	3909310	Screw, Hexagon Head Cap	2	
2	3863863	Gasket, Cover Plate	1	
3	3906790	Tube, Fuel Supply	1	
4	3903035	Screw, Banjo Connector	1	M12 x 1.50 x 24
5	3936319	Pump, Fuel Transfer	1	
6	3963983	Washer, Sealing	2	

Ref No.	Part Number	Part Name	Req	Remarks
		FUEL PLUMBING OPTION FT97147		Fuel Drain Location: Vertical from crank centerline: 410.6 horizontal Horizontal from engine centerline: 326.5 From front face of block: -21.4 Customer connection outside diameter(mm): 8.0 fuel Fuel Filter Fuel Outlet Location: Vertical from crank to centerline: 413 Horizontal from engine centerline: 193 Horizontal from front face of block: -695 Fuel Pump Manufacturing/Model: Bosch P3000 Fuel Pump Governor: RSV
1	3282059	Clip	1	
2	3282141	Screw, Banjo Connector	6	
3	3863988	Washer, Sealing	2	
4	3900626	Screw, Hex Flange Head Cap	1	M6 x 1.00 x 12
5	3903380	Seal, Banjo Connector	6	6.2MM
6	3918188	Washer, Sealing	2	
7	3920595	Manifold, Fuel	1	
8	3921652	Tube, Fuel Drain	1	
9	3924726	Valve, Check	1	M8 x 1.25 x 17.5
	167157	Ball, Check	1	
	3916895	Pin, Roll	1	
	3924723	Screw, Banjo Connector	1	

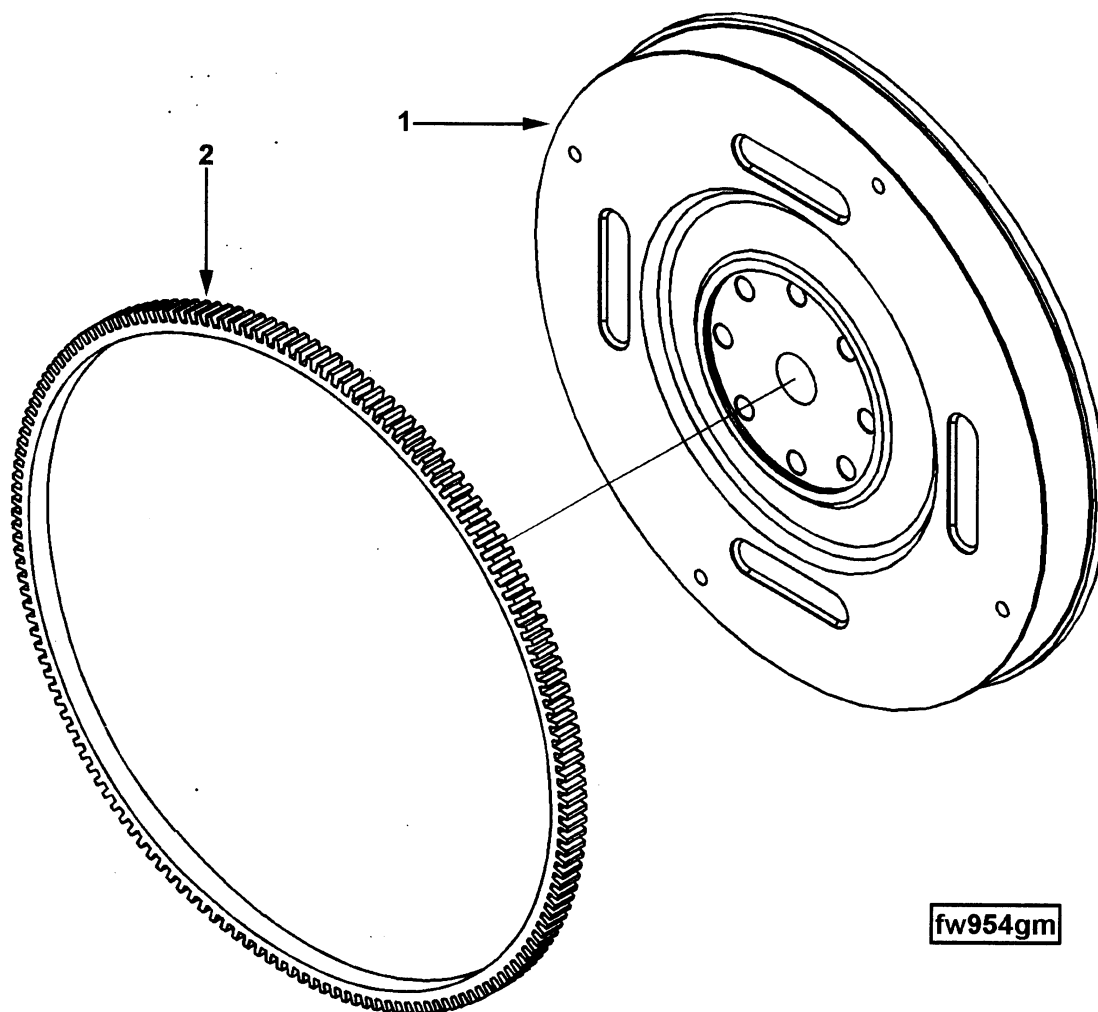


Ref No.	Part Number	Part Name	Req	Remarks
		FUEL SHUTOFF VALVE OPTION FV9273		Valve Activation: Electrical Voltage: 12 valve Valve Manufacturer: Syncro-start Shutoff Valve Supplier: Cummins Fuel Pump Manufacturer/Model: Bosch P3000 Pump Governor Type: RSV Includes 3 terminal, 3 seal Packard connector Compatible Shutoff Valve: 3929322.
1	3900630	Screw, Hex Flange Head Cap	1	M8 x 1.25 x 20
2	3991306	Screw, Hex Flange Head Cap	2	M6 x 1.00 x 16
3	(3939018)	Solenoid, Fuel Pump	1	
4	(3938467)	Bracket, Solenoid	1	
5	3930683	Nut, Lock	1	
6	3934022	Washer, Plain	1	
7	3903990	Screw, Hex Flange Head Cap	1	M10 x 1.50 x 20

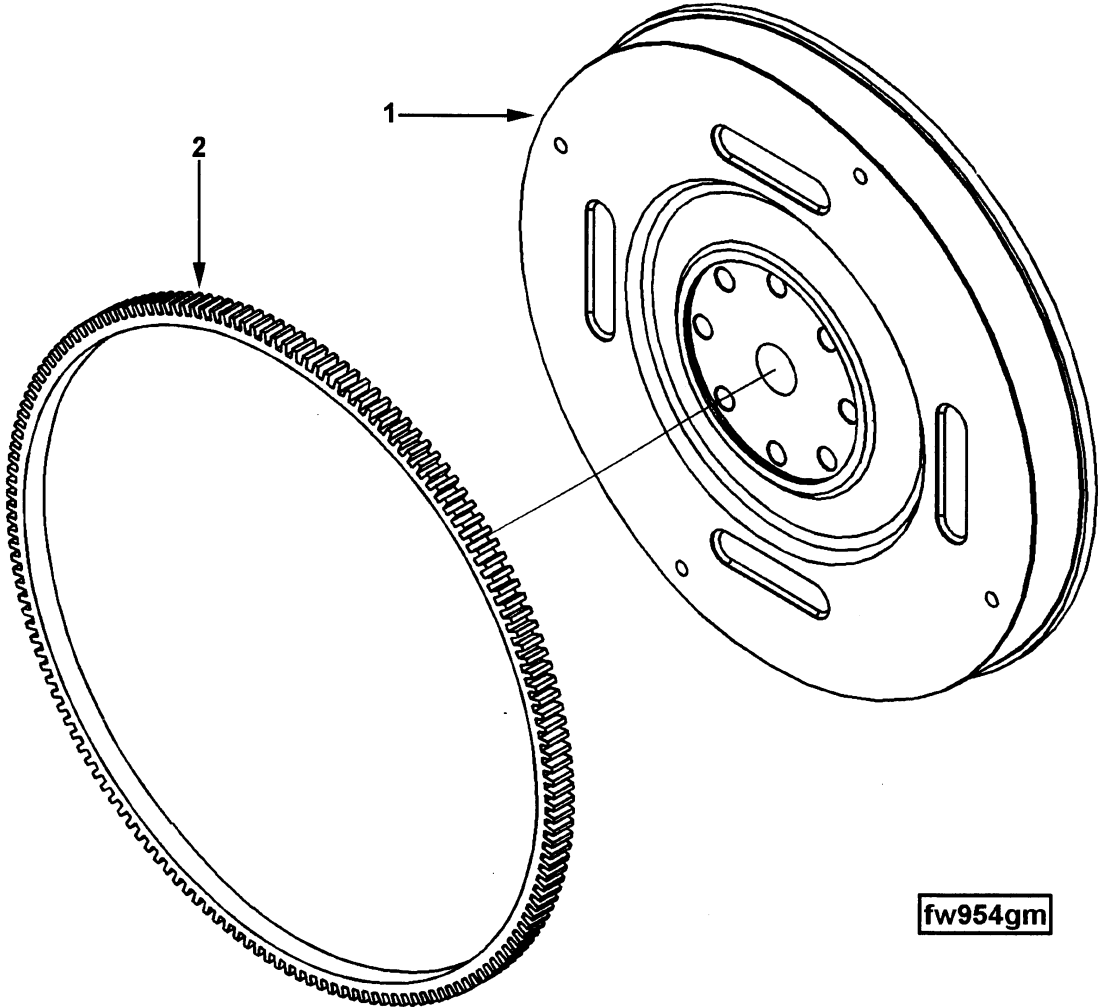


fv953gw

Ref No.	Part Number	Part Name	Req	Remarks
		FUEL SHUTOFF VALVE OPTION FV9274		Valve activation: Electrical Voltage: 24 valve Valve Manufacturer: Syncro-start Shutoff Valve Supplier: Cummins Fuel Pump Manufacturer/Model: Bosch P3000 Pump Governor type: RSV Includes 3 terminal, 3 seal Packard connector Compatible Shutoff Valve: 3929322.
1	3900630	Screw, Hex Flange Head Cap	1	M8 x 1.25 x 20
2	3991306	Screw, Hex Flange Head Cap	2	M6 x 1.00 x 16
3	(3939019)	Solenoid, Fuel Pump	1	
4	3938467	Bracket, Solenoid	1	
5	3930683	Nut, Lock	1	
6	3934022	Washer, Plain	1	
7	3903990	Screw, Hex Flange Head Cap	1	M10 x 1.50 x 20

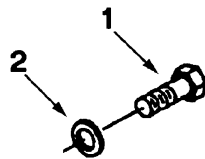


Ref No.	Part Number	Part Name	Req	Remarks
		FLYWHEEL OPTION FW9524		Ring gear diametral pitch: 8/10 Ring gear tooth count: 127 Ring gear outside diameter (mm): 407.85 Supplier: Cummins Type: Flywheel Max full load rated speed (not to exceed): 3100 Flywheel inertia: 0.40 Flywheel mounting flange to ring gear leading edge(mm): 15.43 Mounting web thickness (mm): 16 Pilot Bearing Bore Diameter (mm): 71.973 clutch/t. C. Clutch/T.C. mounting bolt circle count: Dual Clutch/T.C. mounting hole count: 4 Clutch/T.C. bolt circle diameter (mm): 165 Clutch/T.C. mounting hole spacing: Equal Clutch/T.C. mounting hole size: M16 x 2 2nd Clutch/T.C. mounting hole count: 3 2nd Clutch/T.C. bolt circle diameter (mm): 165 2nd Clutch/T.C. mounting hole spacing: Equal 2nd Clutch/T.C. mounting hole size: M16 x 2 Cummins Cummins material standard: 40001 Intended Drive Hardware: Lovejoy Coupling.
1	3907466	Flywheel	1	
	(3906393)	Flywheel	1	
2	3905427	Gear, Flywheel Ring	1	



fw954gm

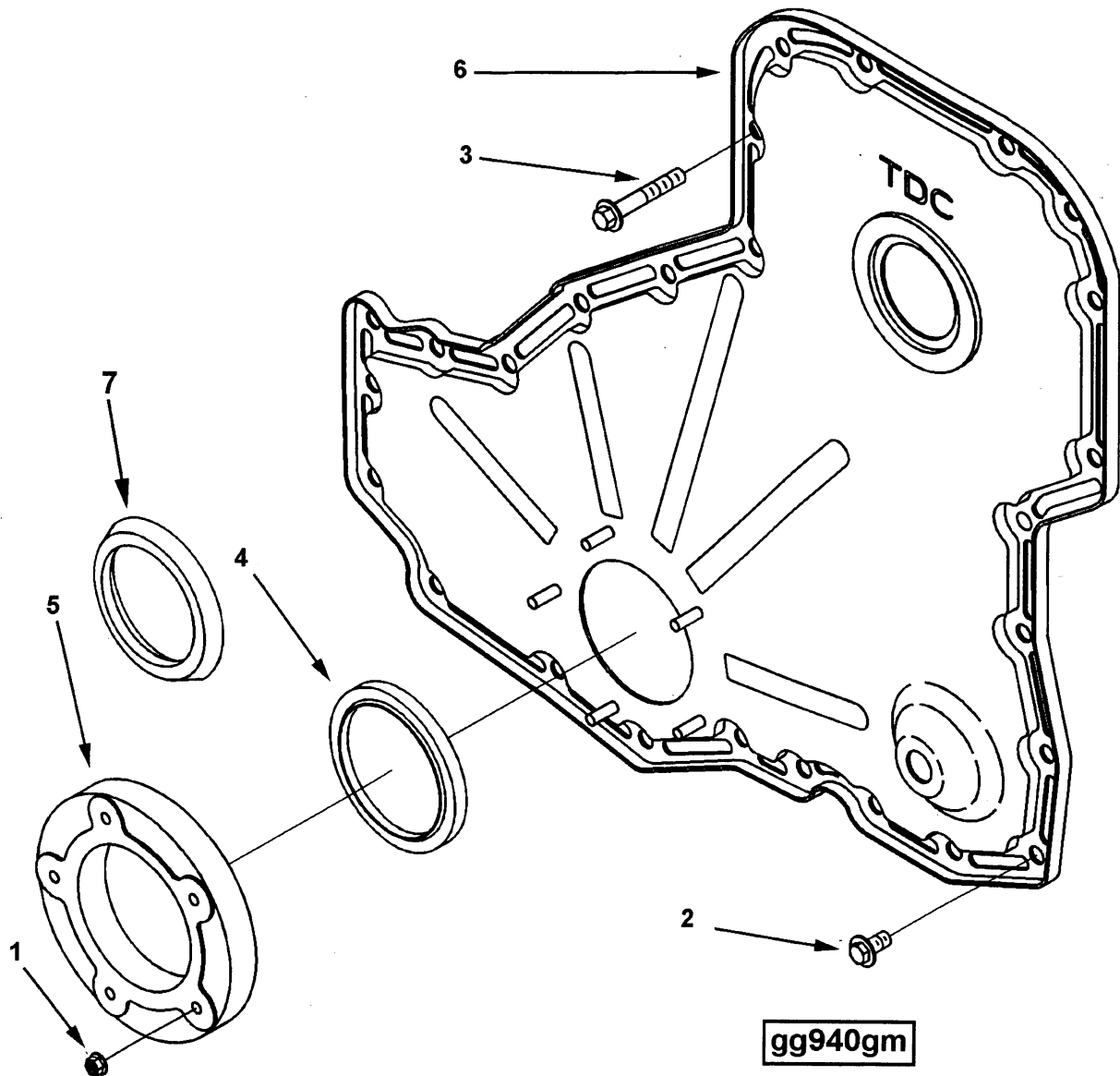
Ref No.	Part Number	Part Name	Req	Remarks
		FLYWHEEL OPTION FW9614		Ring gear diametral pitch: 8/10 Ring gear tooth count: 138 Ring gear outside diameter (mm): 442.77 Supplier: Cummins Type: Flywheel Max full load rated speed (NTE): 3023 Flywheel inertia: 1.19 Flywheel mounting flange to ring gear leading edge (mm): 9.07 Mounting web thickness (mm): 16 Pilot Bearing Bore Diameter (mm): 40 Clutch/T.C. Mounting bolt circle count: Single Clutch/T.C. Mounting hole count: 4 Clutch/T.C. Bolt circle diameter (mm): 375 Clutch/T.C. Mounting hole spacing: Equal Clutch/T.C. Mounting hole size: 11mm thru Cummins Material Standard: 41029 Intended Drive Hardware: ZF WG190/210 transmission.
1	3287084	Flywheel	1	
1	3287082	Flywheel	1	
2	3902127	Gear, Flywheel Ring	1	



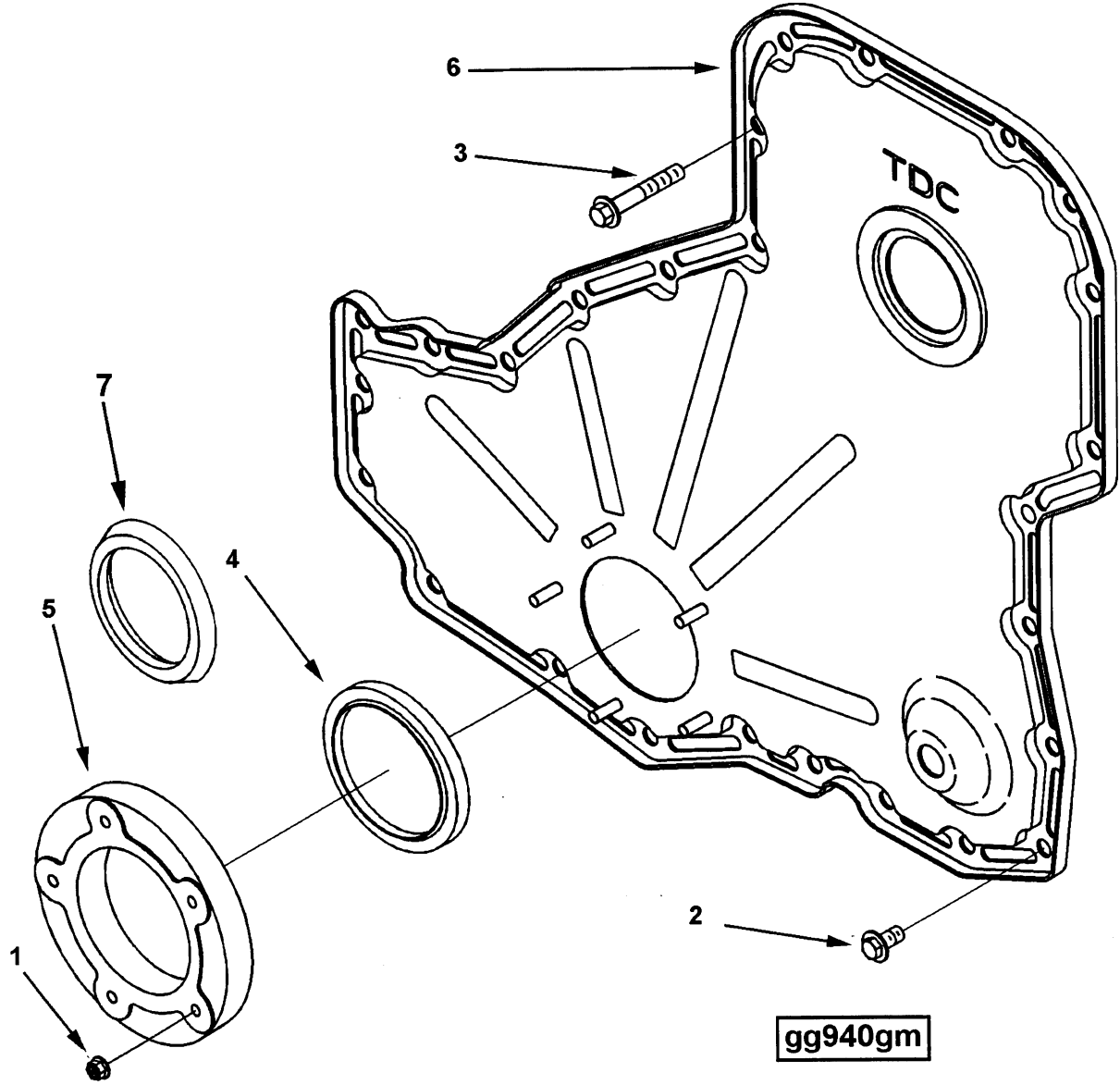
fw910gd

Ref No.	Part Number	Part Name	Req	Remarks
		FLYWHEEL MOUNTING OPTION FW9704		
1	3901395	Screw, Hexagon Head Cap	8	Bolt Length: 32mm
2	3900269	Washer, Plain	8	Flywheel Web Thickness: 16mm to suit
				REPTO: No.
				M12 x 1.25 x 32
				M12

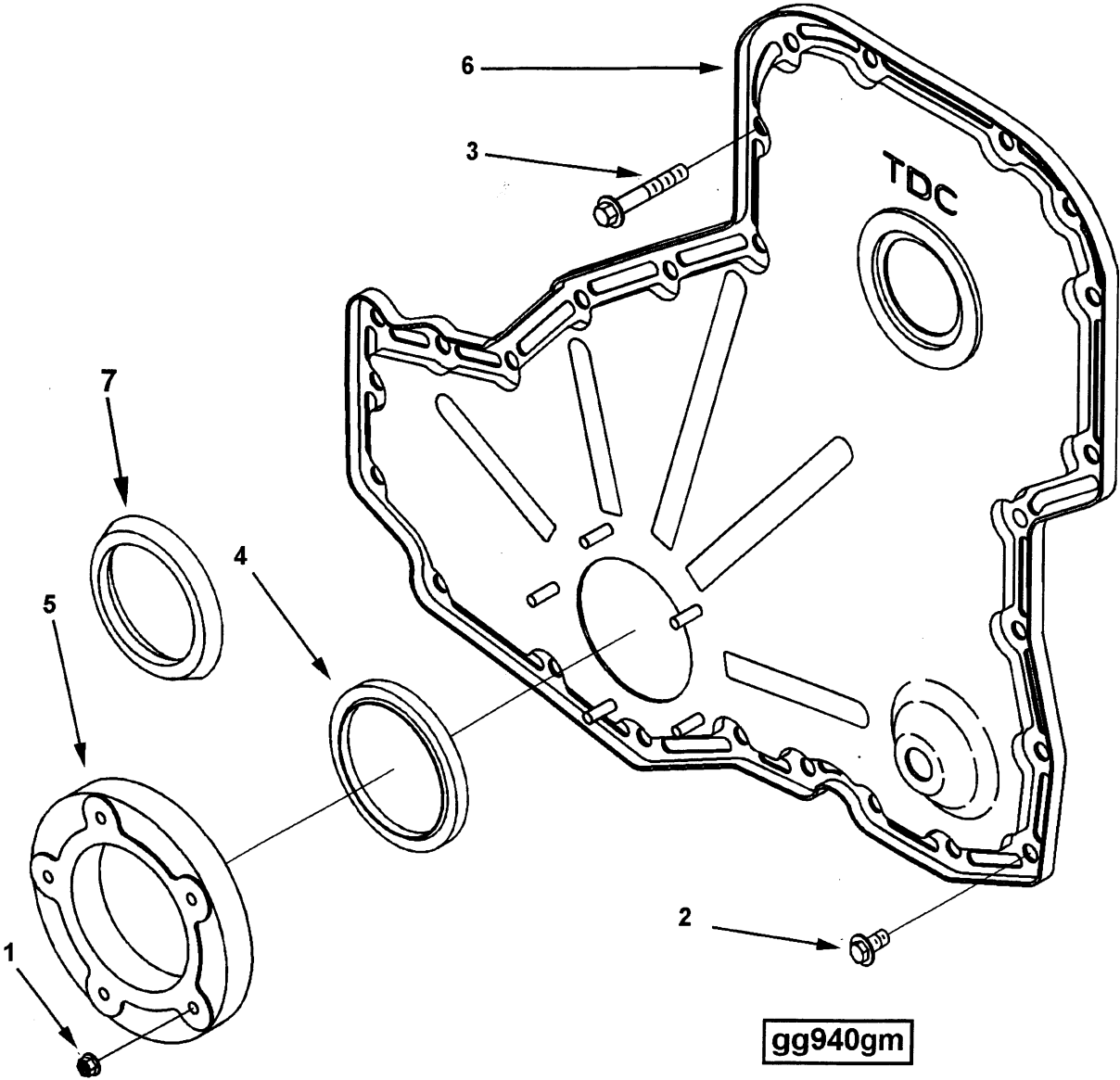
This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



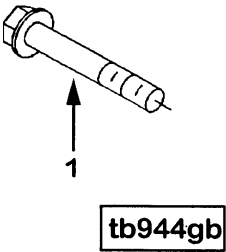
Ref No.	Part Number	Part Name	Req	Remarks
		FRONT GEAR COVER OPTION GG9778		PTO Provision: None Noise Panel Included: Yes Includes 2 studded capscrews located in upper right corner of gear cover.
1	3938077	Nut, Lock	5	
2	3925883	Screw, Hex Flange Head Cap	12	M8 x 1.25 x 16
3	3926863	Screw, Hex Flange Head Cap	12	
	4025270	Kit, Front Seal Service	1	
4	(3942535)	Seal, Oil	1	
5	3941786	Carrier, Seal	1	
6	3948043	Cover, Gear	1	
7	3918113	Shield, Dust	1	



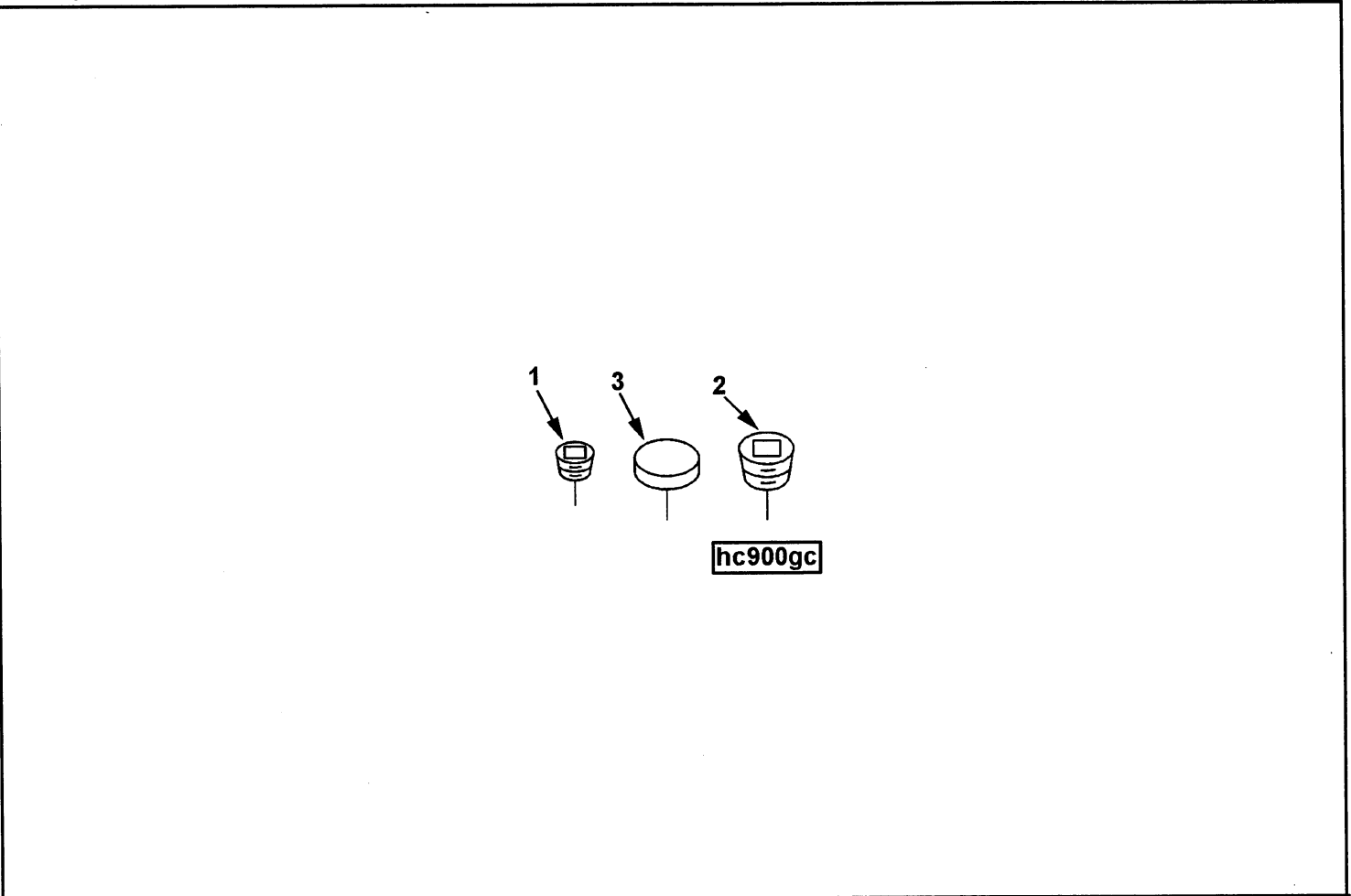
Ref No.	Part Number	Part Name	Req	Remarks
		FRONT GEAR COVER OPTION GG9779		PTO Provision: Low PTO Centerline of crank to centerline of PTO: 39.5mm Centerline of engine to centerline of PTO: 227.4mm Noise Panel Included: Yes. Includes 2 Studded Capscrews Located in Upper Right Corner of Gear Cover
1	3938077	Nut, Lock	5	
2	3925883	Screw, Hex Flange Head Cap	12	M8 x 1.25 x 16
3	3926863	Screw, Hex Flange Head Cap	12	
	4025270	Kit, Front Seal Service	1	
4	(3942535)	Seal, Oil	1	
5	3941786	Carrier, Seal	1	
6	3948044	Cover, Gear	1	
7	3918113	Shield, Dust	1	



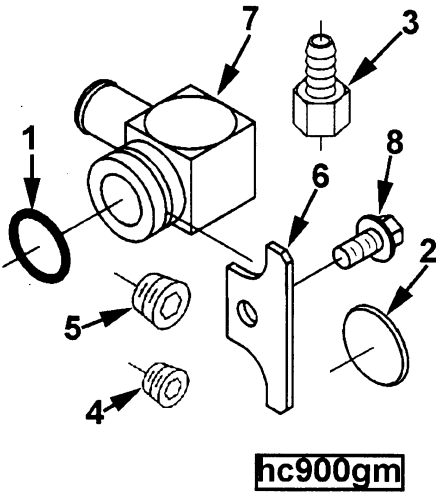
Ref No.	Part Number	Part Name	Req	Remarks
		FRONT GEAR COVER OPTION GG9780		PTO Provision: High PTO Centerline of crank to centerline of PTO: 99.9mm Centerline of engine to centerline of PTO: 247.0mm Noise Panel Included: Yes.
1	3938077	Nut, Lock	5	
2	3925883	Screw, Hex Flange Head Cap	12	M8 x 1.25 x 16
3	3926863	Screw, Hex Flange Head Cap	12	
	4025270	Kit, Front Seal Service	1	
4	(3942535)	Seal, Oil	1	
5	3941786	Carrier, Seal	1	
6	3948045	Cover, Gear	1	
7	3918113	Shield, Dust	1	



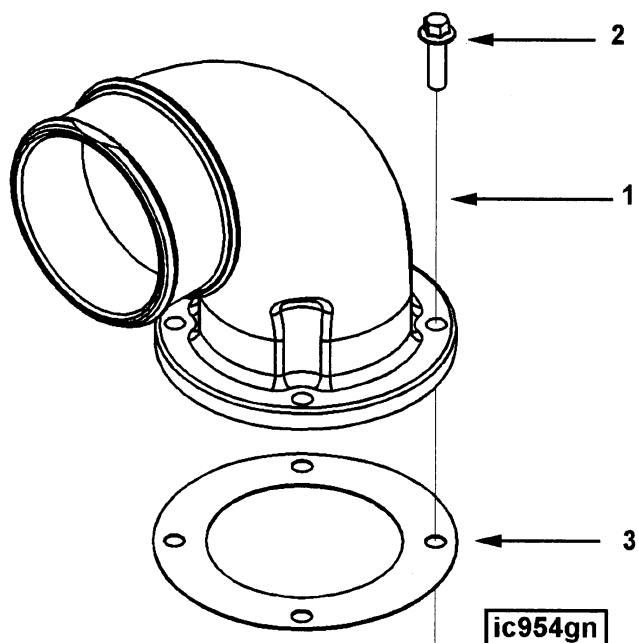
Ref No.	Part Number	Part Name	Req	Remarks
1	3921816	GEAR COVER MOUNTING OPTION GG9803 Screw, Hex Flange Head Cap	2	Accessory support attachment supplied: 2 studs Stud locations -- Stud #1 (305.0, 414.0, 45.5) Stud #2 (323.0, 367.0, 45.5) M08 x 1.25 x 45.



Ref No.	Part Number	Part Name	Req	Remarks
		CABIN HEATER PLUMBING OPTION HC9023		Plumbing Supplier: Customer Available plumbing ports for customer adaptation Water Supply Tap Location: Rear of cylinder block: From front face of block: -856mm From crank centerline: + 337mm From engine centerline: -92mm Water Supply Tap Size: 30.2mm diameter hole with an M8 x 1.25-6 h tap for clamping plate. Water Return Tap Locations (2): Exhaust side of cylinder block: From crank centerline: -167mm, From front face of block: 71mm From crank centerline: 190mm, From front face of block: -136mm.
1	3008468	Plug, Pipe	5	1/2 NPT
2	3008469	Plug, Pipe	3	3/4 NPT
3	156075	Plug, Expansion	2	

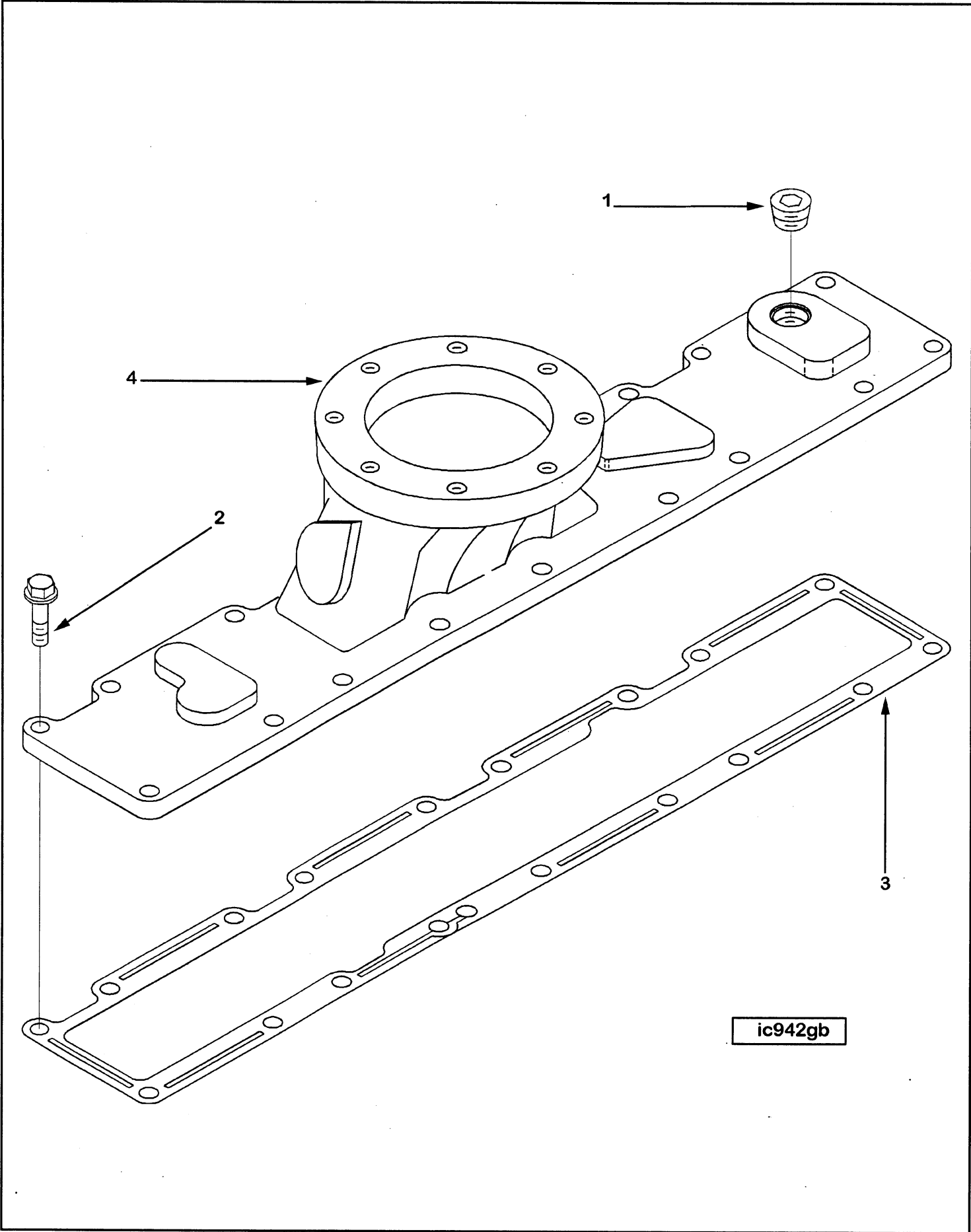


Ref No.	Part Number	Part Name	Req	Remarks
		CABIN HEATER PLUMBING OPTION HC9044		Plumbing Supplier: Cummins Water Supply Location: Rear Cylinder Block (-137.4, 337.0, -874.4) Water Supply Type: Beaded Elbow Connection Water Supply OEM Interface Outside Diameter(mm): 19.05 (.75in) Water Supply Orifice (mm): 18.92 (.62in) Water Supply Clamping Surface (mm): 39 (1.5in) Water Supply Engine Interface (mm): 30.11 (1.19in) Water Return Location: Exhaust Side Front (-201.2, 190, -138) Water Return Type: Beaded Straight Connection Water Return OEM Interface Outside Diameter(mm): 25.4 (1.0in) Water Return Orifice (mm): 18.80 (.74in) Water Return Clamping Surface (mm): 31.75 (1.25in) Water Return Engine Interface (mm): 19.05 (.75in).
1	145530	Seal, O Ring	1	
2	156075	Plug, Expansion	1	
3	215921	Coupling, Plain Hose	1	
4	3008468	Plug, Pipe	5	1/2 NPT
5	3008469	Plug, Pipe	2	3/4 NPT
6	3906439	Plate, Clamping	1	
7	3917394	Connection, Water Transfer	1	
8	3925883	Screw, Hex Flange Head Cap	1	M8 x 1.25 x 16

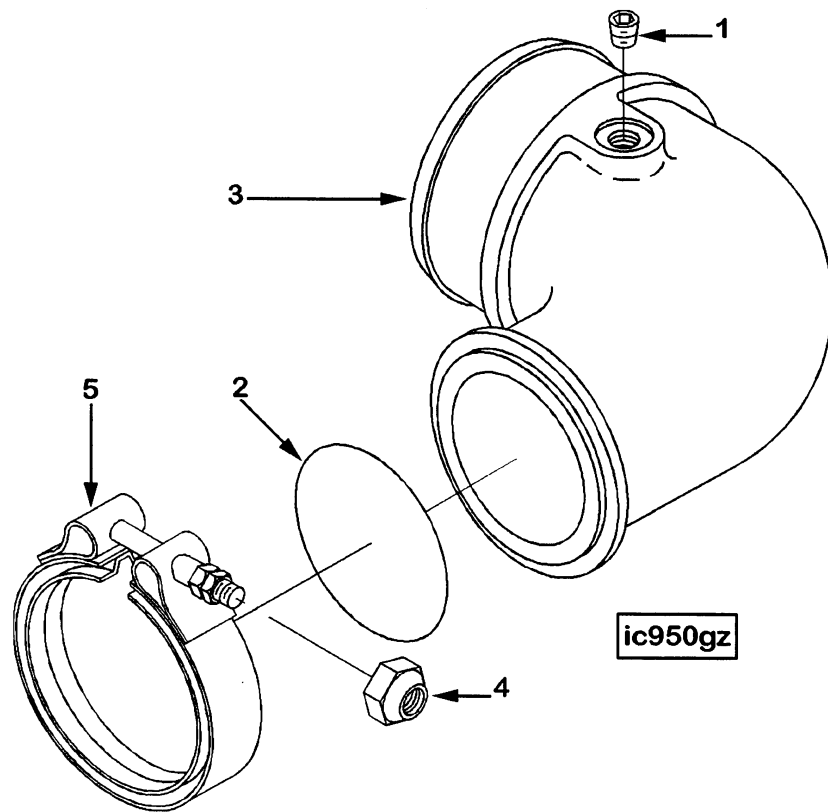


Ref No.	Part Number	Part Name	Req	Remarks
		AIR INTAKE CONNECTION OPTION IC9297		Air intake connection supplier: Cummins Customer Interface Location: Horizontal from engine centerline: 172.3mm Vertical from crank centerline: 735.5mm Horizontal from front face of block: -286.4mm Connection Angle: 90 Degrees Connection Diameter: 101.6 Intake Connection Type: Beaded Tapped boss provision: None Intake connection engine mounting flange diameter(mm): 121.5 Intake connection engine mounting flange hole pattern: 4 x 9.5mm thru equally spaced Engine Family: "C" Series.
1	3928519	Connection, Air Intake	1	
2	3900631	Screw, Hex Flange Head Cap	4	M8 x 1.25 x 25
3	3917892	Gasket, Connection	1	

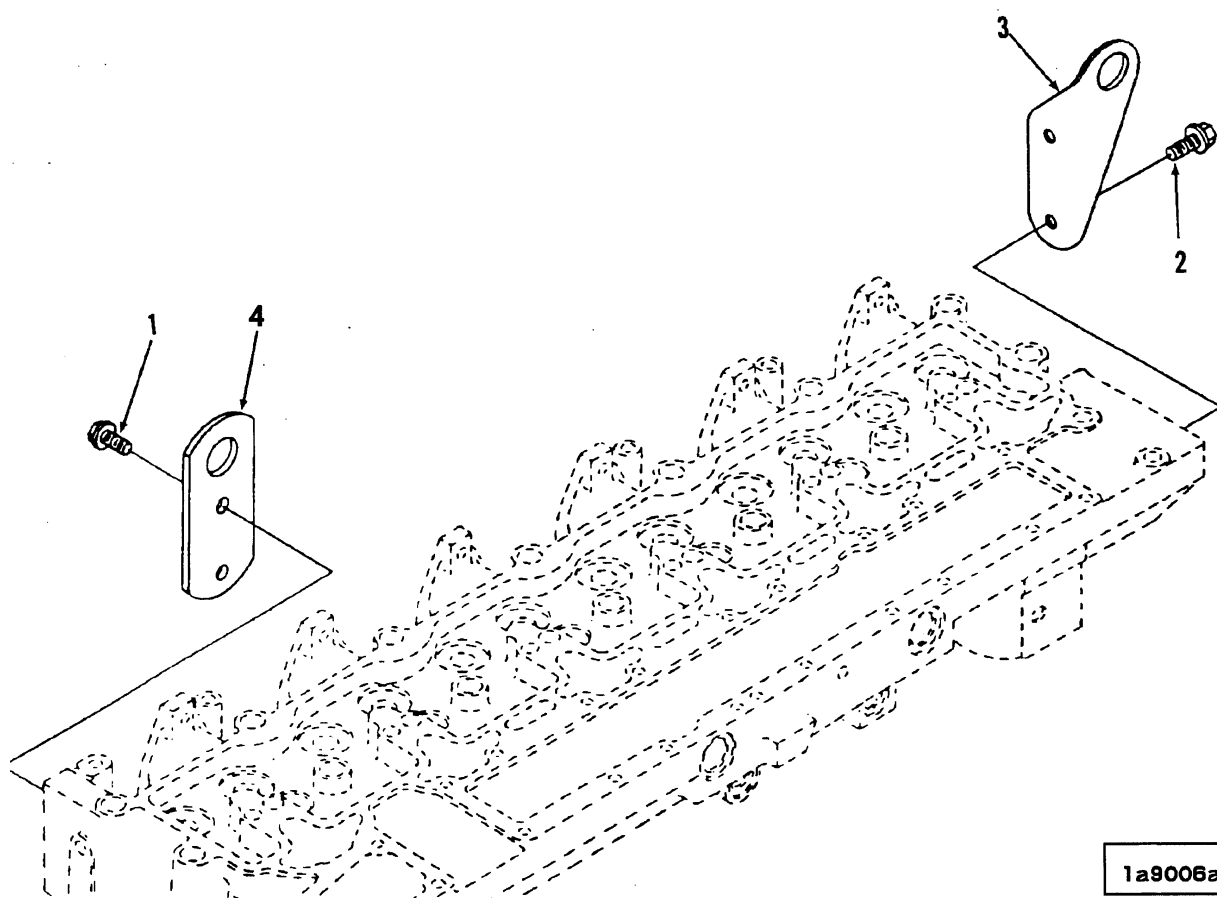
This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



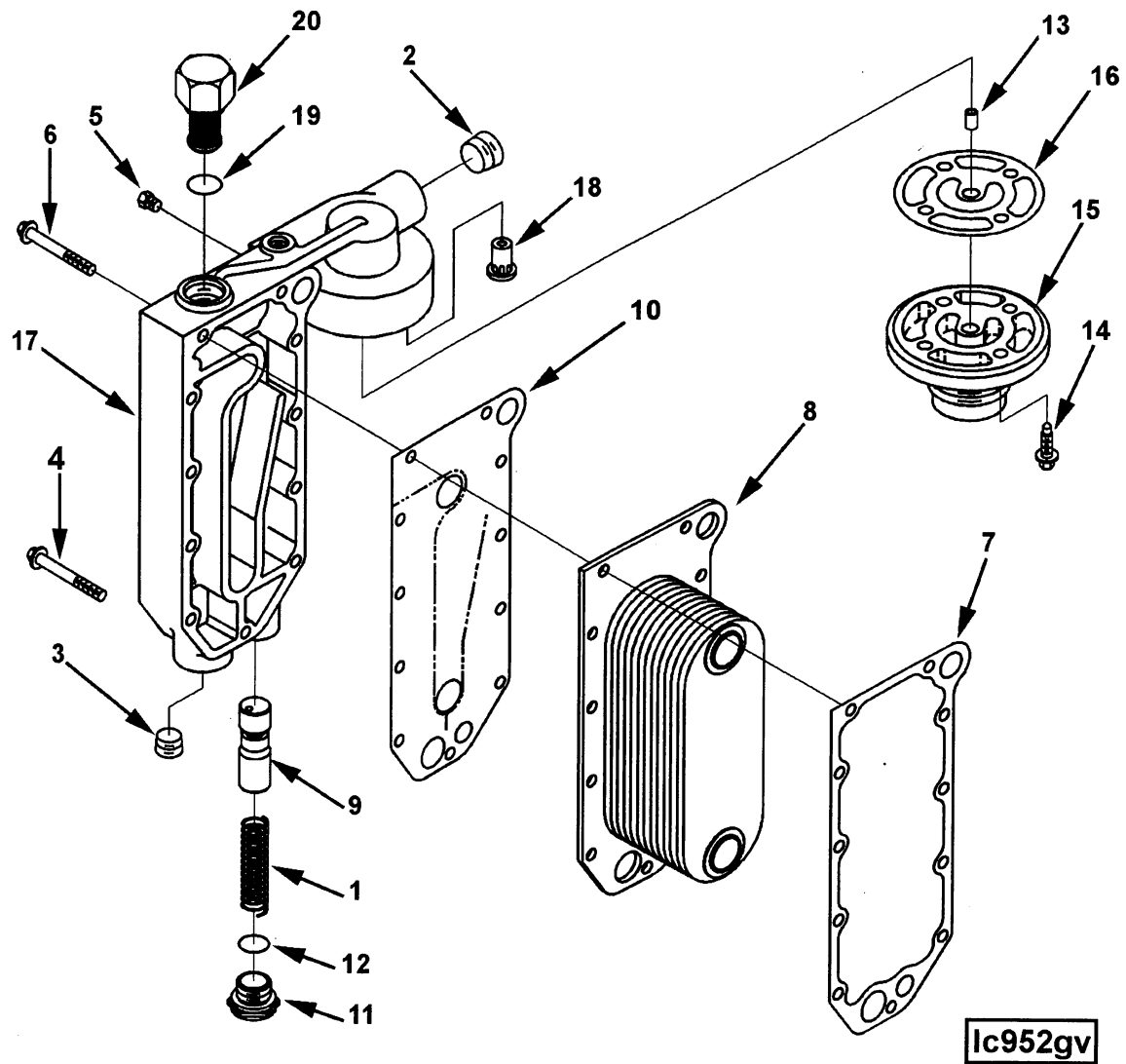
Ref No.	Part Number	Part Name	Req	Remarks
		AIR INTAKE MANIFOLD OPTION IM9714		Air intake flange location - Centerline of crank to centerline of connection: 597.7mm - Centerline of engine to centerline of connection: 172.3mm - Front face of block to centerline of connection: 429.5 Customer connection flange diameter: 121.5mm Customer connection flange bolt hole description: 8 holes equally spaced x M8X1.25 Tapped boss provision: 2 x M20 x 1.5 Mounting bolt pattern: 18 x 77.5 x 548. Cover Plate Flange Thickness (mm): 11 1/2 NPT
1	3008468	Plug, Pipe	1	
2	3938036	Screw, Hex Flange Head Cap	18	
3	3936993	Gasket, Int Manifold Cover	1	
4	3926044	Cover, Intake Manifold	1	



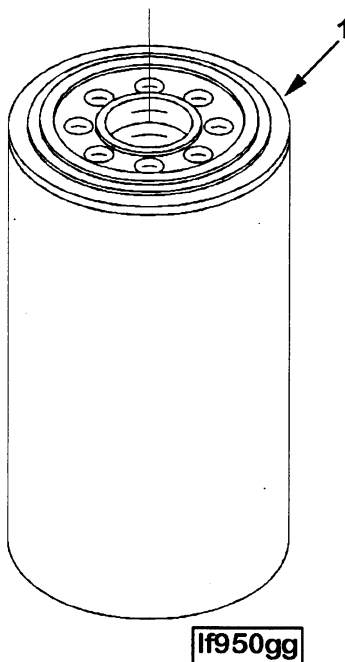
Ref No.	Part Number	Part Name	Req	Remarks
		AIR TRANSFER CONNECTION OPTION IT9039		Connection Supplier: Cummins Connection Type: 90 Degree Elbow Orientation: Rotatable Engine interface flange type: Half Marmon Engine interface flange diameter(mm): 73.85 (3in) OEM Interface Connection Diameter (mm): 76.7 OEM Interface Connection Clamping Surface(mm): 33.5 Turbocharger interface to centerline OEM interface(mm): 95.2 OEM Interface To Centerline Turbocharger Interface(mm): 99.5 Customer tapping: 1/8-27 NPTF S-2 Supply Method: Mounted 1/8 NPT
1	3008465	Plug, Pipe	1	
2	3883284	Seal, O Ring	1	
3	3918685	Pipe, Air Transfer	1	
4	3923041	Nut, Lock	1	
5	3069053	Clamp, V Band	1	



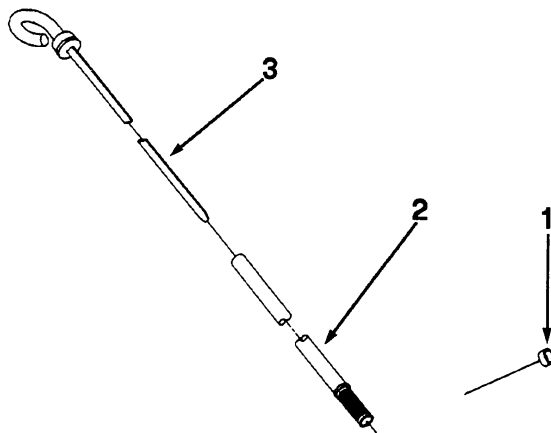
Ref No.	Part Number	Part Name	Req	Remarks
		LIFTING ARRANGEMENT OPTION LA9068		Bracket(s) provided: Front and rear front bracket location: Exhaust side cylinder head centerline crankshaft to eye centerline: 505.7mm Centerline of engine to eye centerline: 95mm rear bracket location: Cylinder head centerline crankshaft to eye centerline: 524.7mm Centerline of engine to eye centerline: 108.3mm distance between centerlines: 873.9mm rear bracket orientation: 78 degrees from rear face of block Engine Family: "C" Series max lifting load (lbs): 2000 bracket pre-painted: No. M12 x 1.75 x 25
1	3901249	Screw, Hex Flange Head Cap	4	
2	3906440	Bracket, Lifting	1	
3	3907861	Bracket, Lifting	1	



Ref No.	Part Number	Part Name	Req	Remarks
		ENGINE OIL COOLER OPTION LC9720		Filter Head Location: C/L of Eng to C/L of the Filter Head: 219.7mm FFOB to C/L of the Filter Head: -359.5mm Advertised HP Restriction: Less Than or Equal to 300HP Includes Two Studs for OEM Attachment Provision
1	68274	Spring, Compression	1	
2	3008469	Plug, Pipe	1	3/4 NPT
3	3027232	Plug, Pipe	1	1/2 NPT
4	3944874	Screw, Hex Flange Head Cap	2	
5	3906619	Plug, Pipe	2	1/8 NPT
6	3916073	Screw, Hex Flange Head Cap	9	M8 x 1.25 x 65
7	3918174	Gasket, Oil Cooler Core	1	
8	3918175	Core, Cooler	1	
9	3945967	Plunger, Prs Regulator	1	Use with the "dump to sump" ISC/ISL block.
10	4063496	Gasket, Lub Oil Clr Cover	1	
	3931084	Plug, Threaded	1	
11	(3930910)	Plug, Threaded	1	
12	3930911	Seal, O Ring	1	
	3934159	Head, Lub Oil Filter	1	
13	118227	Dowel, Ring	1	
14	3907860	Screw, Hex Flange Head Cap	4	M8 x 1.25 x 25
15	3918334	Head, Lub Oil Filter	1	
16	3921605	Gasket, Filter Head	1	
17	(3931077)	Cover, Lub Oil Cooler	1	
18	3936365	Valve, Pressure Relief	1	
	3934410	Valve, Bypass	1	
19	3201562	Seal, O Ring	1	
20	(3934278)	Valve, Bypass	1	

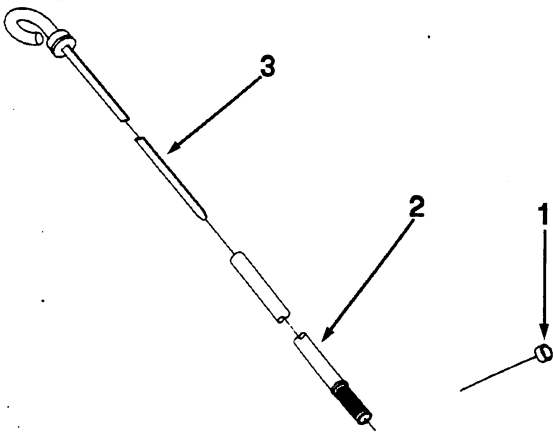


Ref No.	Part Number	Part Name	Req	Remarks
1	(3401544)	LUBE OIL FILTER OPTION LF9093 Element, Lub Oil Filter	1	Filter Head Location: Centerline of engine to centerline of filter head: 219.7mm Front face of block to centerline of the filter head: 359.5mm Removal distance: 42mm. Purchase from Fleetguard



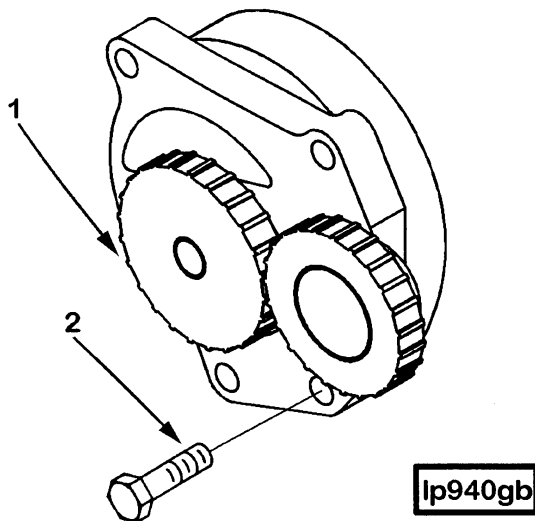
lg925gb

Ref No.	Part Number	Part Name	Req	Remarks
		OIL LEVEL GAUGE OPTION LG90019		
1	3943808	Plug, Expansion	1	Dipstick Supplier: Cummins
2	3905779	Tube, Oil Gauge	1	Dipstick Location: Fuel Pump Side
3	3937421	Dipstick	1	Dipstick Pull Location: From crank centerline: 173.1 From engine centerline: 320.7 From front face of block: -428.0 Dipstick Calibration: Bfob- full/low 0 degrees: 67/96 Power Angle (deg): 0 Engine tilt (deg): 0 Engine Family: "C" Series.

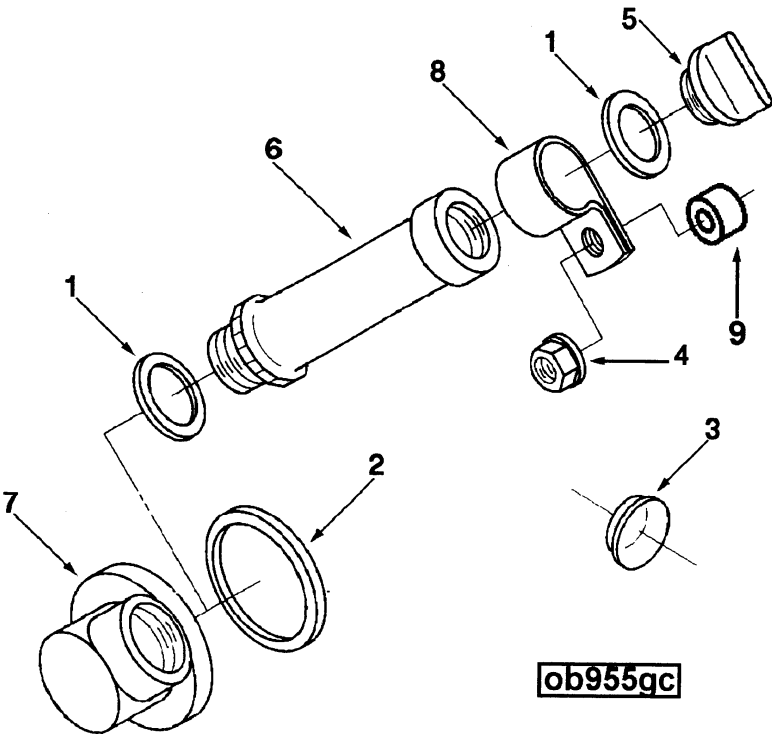


lg925gb

Ref No.	Part Number	Part Name	Req	Remarks
		OIL LEVEL GAUGE OPTION LG90076		
1	3943808	Plug, Expansion	1	Dipstick Supplier: Cummins Dipstick Location: Fuel Pump Side Dipstick Pull Location: Fuel Pump Side From engine centerline: 322.8 From crank centerline: 180.3 From front face of block: -428.0 Dipstick Calibration: Bfob-full/low 0 degrees: 65/83 Power Angle (deg): 0.
2	3905779	Tube, Oil Gauge	1	
3	3937422	Dipstick	1	

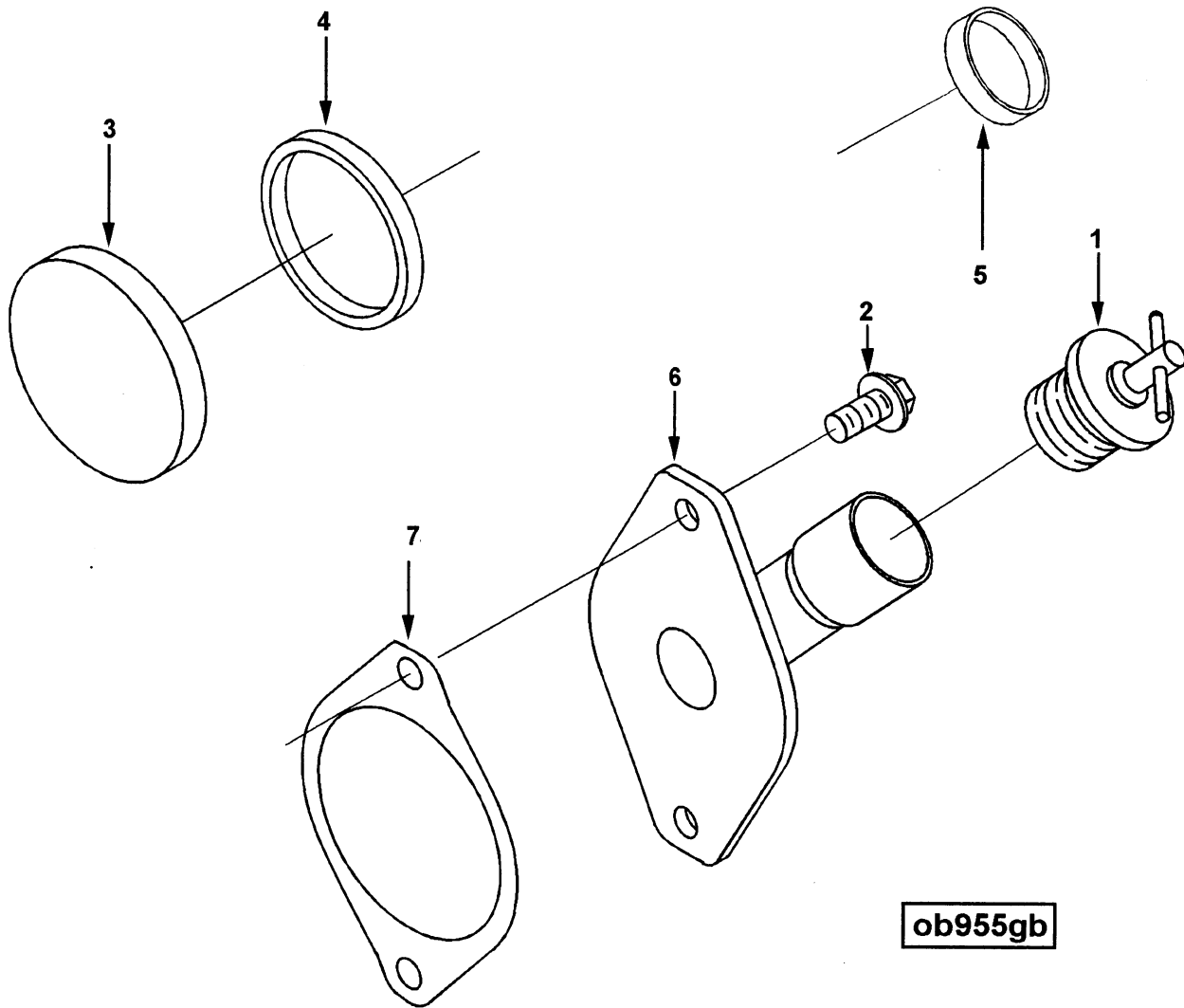


Ref No.	Part Number	Part Name	Req	Remarks
		LUBE OIL PUMP OPTION LP9725		
1	3948072	Pump, Lubricating Oil	1	Flow rate at pump speed(GPM at RPM): 36.6 at 4375 Gear type: Steel HCR gear Engine Families: "C" Series CPL: 2995, 2996, 2997, 8145, 8146, 8185, 8197, 8211, 8222, 8292, 8307.
2	3900677	Screw, Hexagon Head Cap	4	M8 X 1.25 X 30.

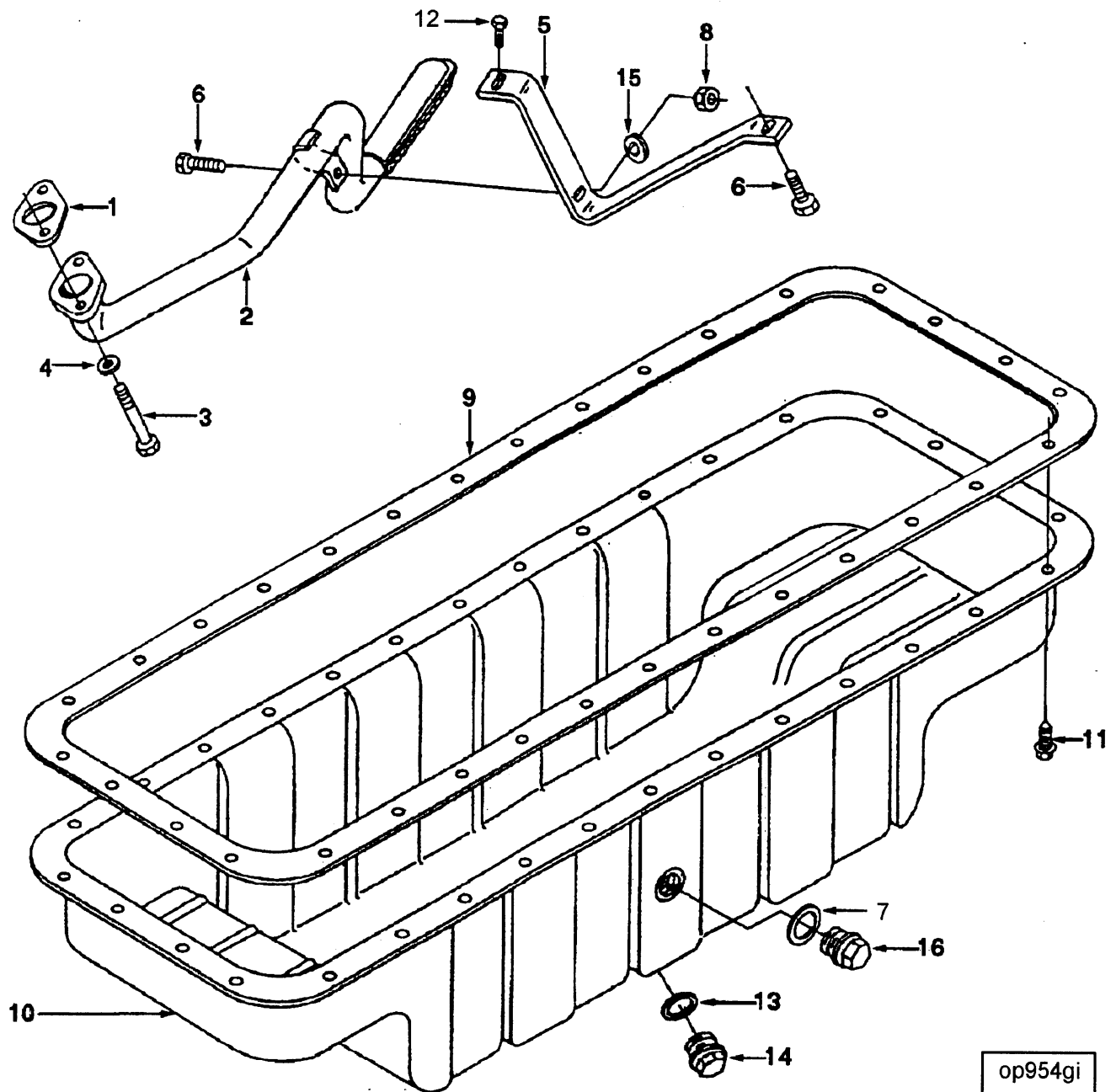


ob955qc

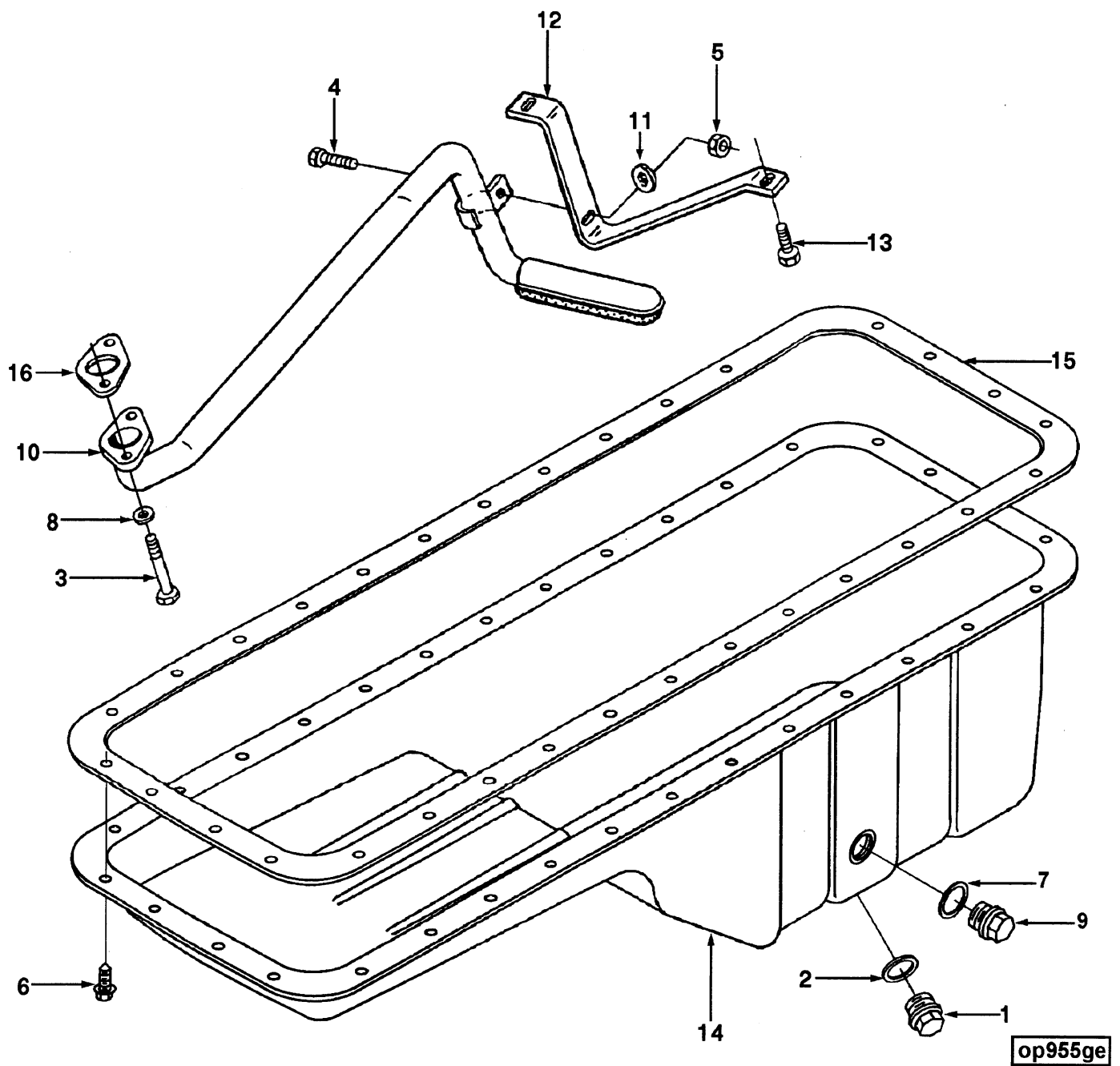
Ref No.	Part Number	Part Name	Req	Remarks
		OIL FILLER ARRANGEMENT OPTION OB9331		Design Phase: Elite II Engine Family: C Engine Cylinders: 6 Oil Fill Supplier: Cummins Oil Fill Location: Gear Cover -From Engine C/L (mm): 371 -From Crank C/L (mm): 454 -From FFOB (mm): 79 Filler Cap Provided: Yes Unique Characteristics: Oil fill tube rotated 50 deg from vertical Not compatible with stud locations - Stud#1 (305.0, 414.0, 45.5)
1	3936876	Seal, Rectangular Ring	2	
2	3903475	Seal, Rectangular Ring	1	
3	3905401	Plug, Expansion	1	
4	3906216	Nut, Hexagon Flange	1	M6 x 1.00
5	3914136	Cap, Filler	1	
6	3914738	Tube, Oil Filler	1	
7	3921644	Connection, Oil Filler	1	
8	68189	Clip	1	
9	3943408	Spacer, Mounting	1	



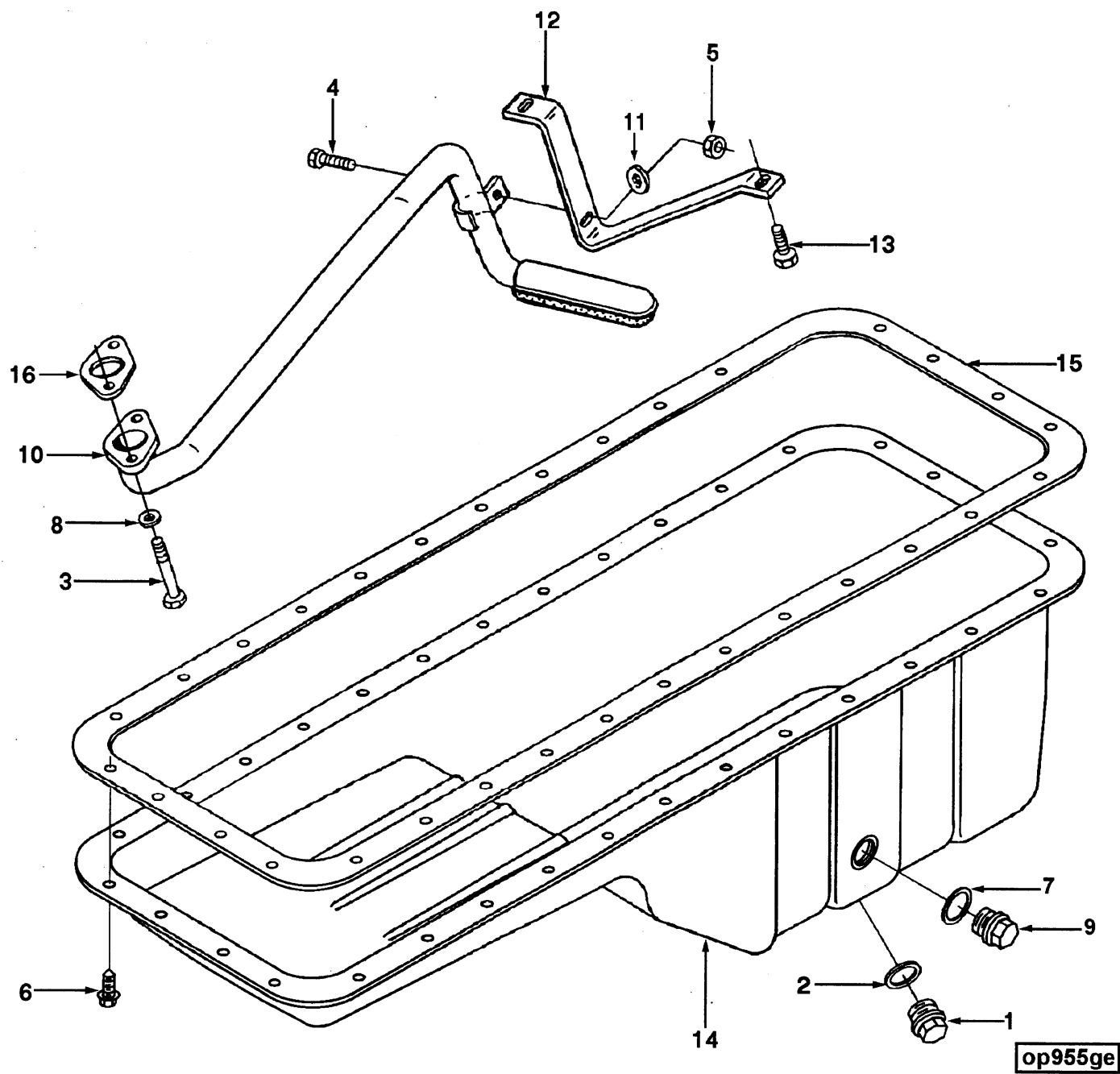
Ref No.	Part Number	Part Name	Req	Remarks
		OIL FILLER ARRANGEMENT OPTION OB9335		Engine Family: "C" Series Fill tube supplier: Cummins Oil Fill Location: From engine centerline (mm): TBD From crank centerline (mm): TBD From front face of block (mm): -TBD Oil Fill Mounting Location: Low On Back Of Gear housing Centerline of crank to centerline of PTO: 39.5mm Centerline of engine to centerline of PTO: 227.4mm Oil Fill Mounting Provision: 2 Xm14 Thru Oil Fill Mounting Bolt Circle Diameter(mm): 146 Fill cap supplier: Cummins.
1	200284	Cap, Filler	1	
2	3901249	Screw, Hex Flange Head Cap	2	M12 x 1.75 x 25
3	3903463	Cover, Access Hole	1	
4	3903475	Seal, Rectangular Ring	1	
5	3905401	Plug, Expansion	1	
6	3939033	Tube, Oil Filler	1	
7	3940245	Gasket, Hydraulic Pump	1	

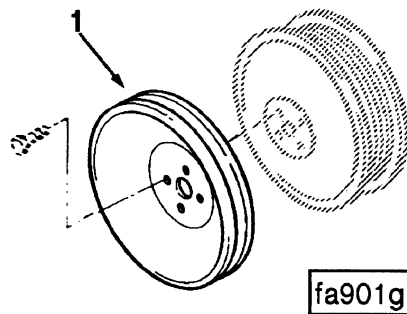


Ref No.	Part Number	Part Name	Req	Remarks
		OIL PAN OPTION OP9319		Engine Family: C Series Sump Location: Center Oil Pan Material: Stamped Steel Oil Pan Type: Non-isolated Pan High Capacity (qt): 20 Pan Low Capacity (qt): 16 Front Up Angularity (deg): 45 Front Down Angularity (deg): 45 Side to Side Angularity (deg): 45 Allowable Dipstick calibrations: Bfob-full/low 0 degrees: 65/83 Bfob-full/low 4 degrees: 67/85 Bfob-full/low 5 degrees: 67/85 Bfob-full/low 8 degrees: 71/90 Drain Location: Fuel Pump Side Position from front face of block (mm): 428 Position vert from crank centerline (mm): 315.2 Heater Boss Size: M22x1.5 Heater Boss Location: Fuel Pump Side Position from front face of block (mm): 429.5 Position Vert from crank centerline (mm): 213.8 Variant Content: DEP may use 3282266 in place of 3924148.
1	3914302	Gasket, Oil Suc Connection	1	
2	3921719	Connection, Oil Suction	1	
3	3900628	Screw, Hex Flange Head Cap	2	M6 X 1.00 X 30.
4	3926865	Spacer, Mounting	2	
5	3927611	Brace, Tube	1	
6	3913638	Screw, Hex Flange Head Cap	2	M6 x 1.00 x 16 (3991306)
7	3902425	Washer, Sealing	1	
8	3906216	Nut, Hexagon Flange	1	M6 x 1.00
9	3938160	Gasket, Oil Pan	1	
10	3914015	Pan, Oil	1	
11	3920400	Screw, Hex Flange Head Cap	32	M8 x 1.25 x 21.
12	3901865	Screw, Hex Flange Head Cap	1	M6 x 1.00 x 20
13	3920773	Washer, Sealing	1	
14	3924147	Plug, Threaded	1	M18 x 1.50 Thd
15	3910960	Washer, Plain	1	M6.
16	3924148	Plug, Threaded	1	



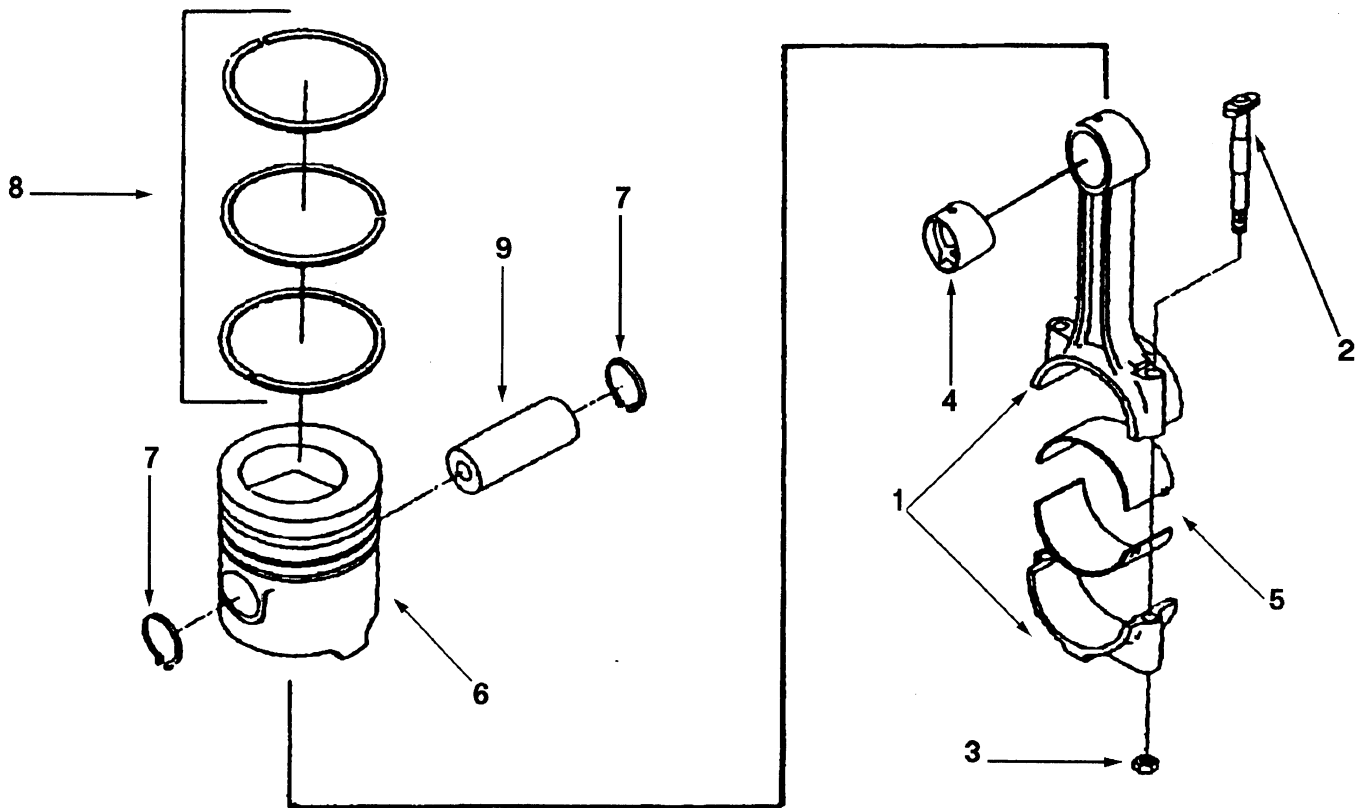
Ref No.	Part Number	Part Name	Req	Remarks
		OIL PAN OPTION OP9352		Engine Family: "C" Series Cylinders: 6 Sump location: Front Oil pan material: Stamped steel Noise reduction included: None Pan high capacity (qt): 20 Pan low capacity (qt): 16 Pan front up angularity (deg): 45 Pan front down angularity (deg): 45 Pan side to side angularity (deg): 45 Drain size: M18 Drain Location: Exhaust Side Position from front face of block (mm): -222.2 Position from crank centerline (mm): 374 Heater boss size: M22x1.5 Heater boss location: Exhaust side Position from front face of block (mm): 222.2 Position from crank centerline (mm): 279.5 Oil Level Sensor Provision: No Required block flange (mm): 282 x 883.5 Oil pan mounting holes: 9mm thru holes Oil pan/block mounting holes: 24 Spacing: Equal, 78.5mm Oil pan/gear housing mounting holes: 4 Spacing: Unequal Oil pan/flywheel housing mounting holes: 4 Spacing: Unequal Doweled for flywheel housing: No Required dipstick calibration: Bfob-full/low 0 degrees: 67/96 Bfob-full/low 2 degrees: 65/89 Bfob-full/low 4 degrees: 65/83 Bfob-full/low 5 degrees: 65/83 Bfob-full/low 8 degrees: 65/83. M18 x 1.50 Thd
1	3924147	Plug, Threaded	1	
2	3920773	Washer, Sealing	1	
3	3900628	Screw, Hex Flange Head Cap	2	M6 X 1.00 X 30.
4	3901865	Screw, Hex Flange Head Cap	1	M6 x 1.00 x 20
5	3906216	Nut, Hexagon Flange	1	M6 x 1.00
6	3920400	Screw, Hex Flange Head Cap	32	
7	3902425	Washer, Sealing	1	
8	3926865	Spacer, Mounting	2	
9	3924148	Plug, Threaded	1	
10	3910787	Connection, Oil Suction	1	
11	3910960	Washer, Plain	1	M6.





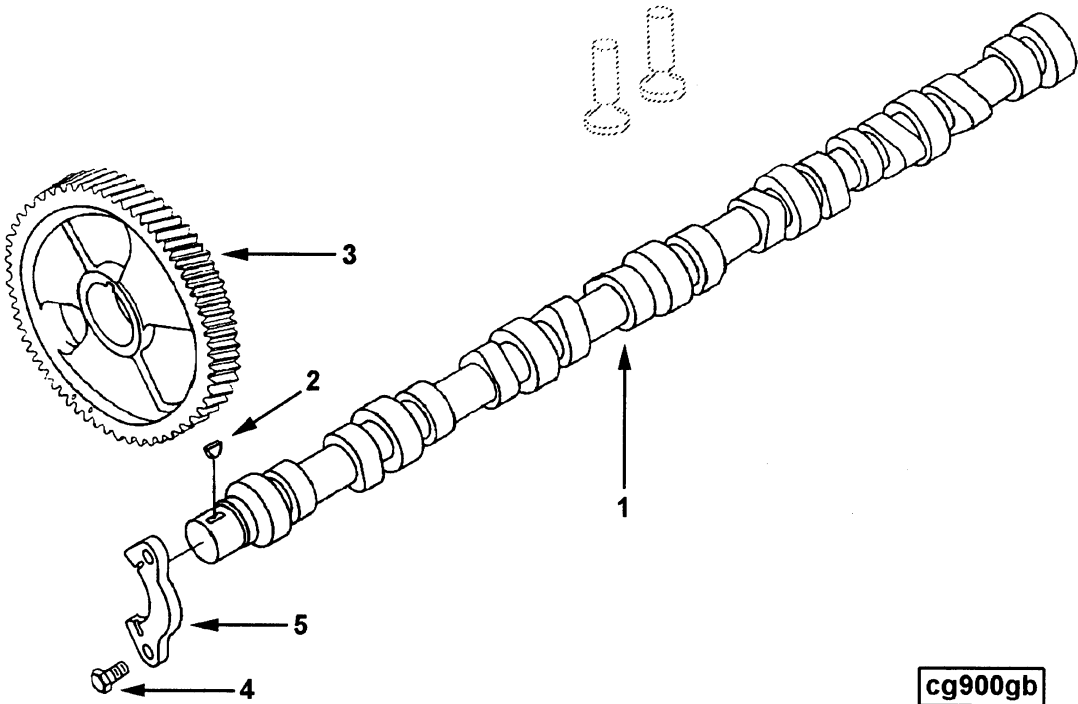
Ref No.	Part Number	Part Name	Req	Remarks
		ACCESSORY DRIVE PULLEY OPTION PA9001		
1	3919624	Pulley, Accessory Drive	1	Pulley Diameter: 182.81mm over 11.112mm balls Pulley Type: 1/2in. V Single Groove Required Mounting Bolt Circle: 4 x 9mm holes 4 x 9mm holes on 50mm BC 4 x 11.25mm holes on 60mm BC Pulley mounting face to centerline of groove: -22.95mm To determine groove location from front face of block, add this dimension to the fan hub mounting face dimension referenced in compatible FA options

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

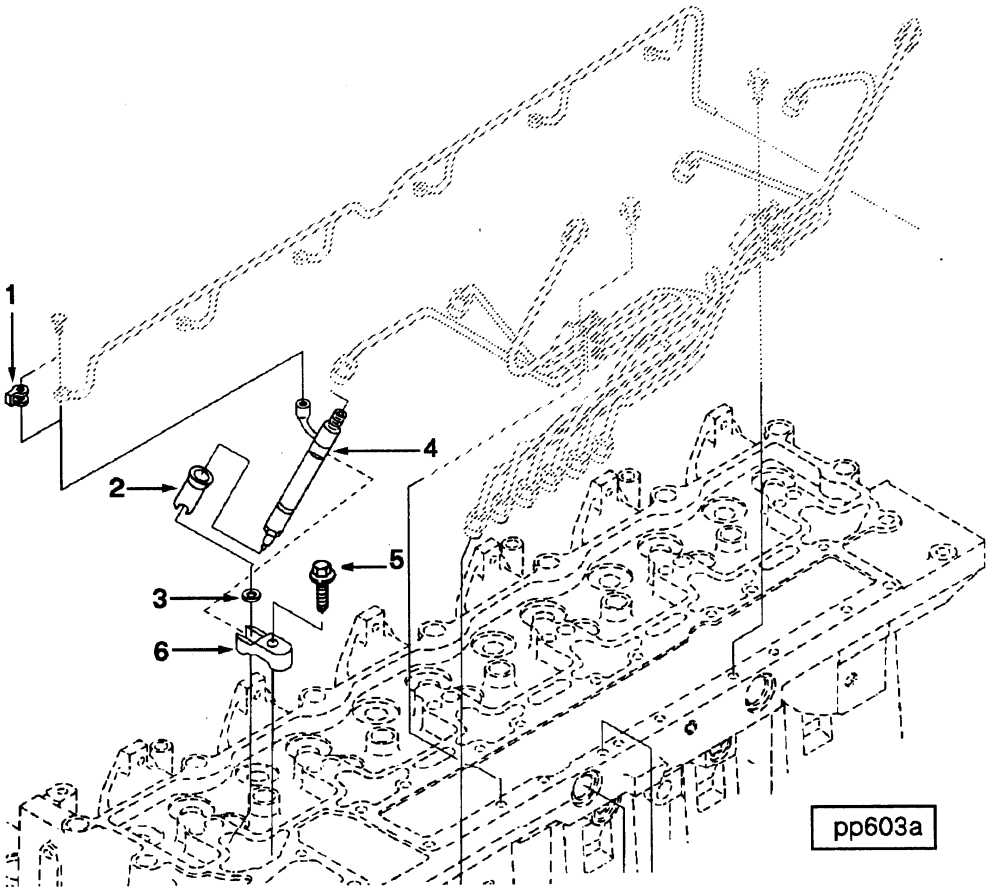


pp920gf

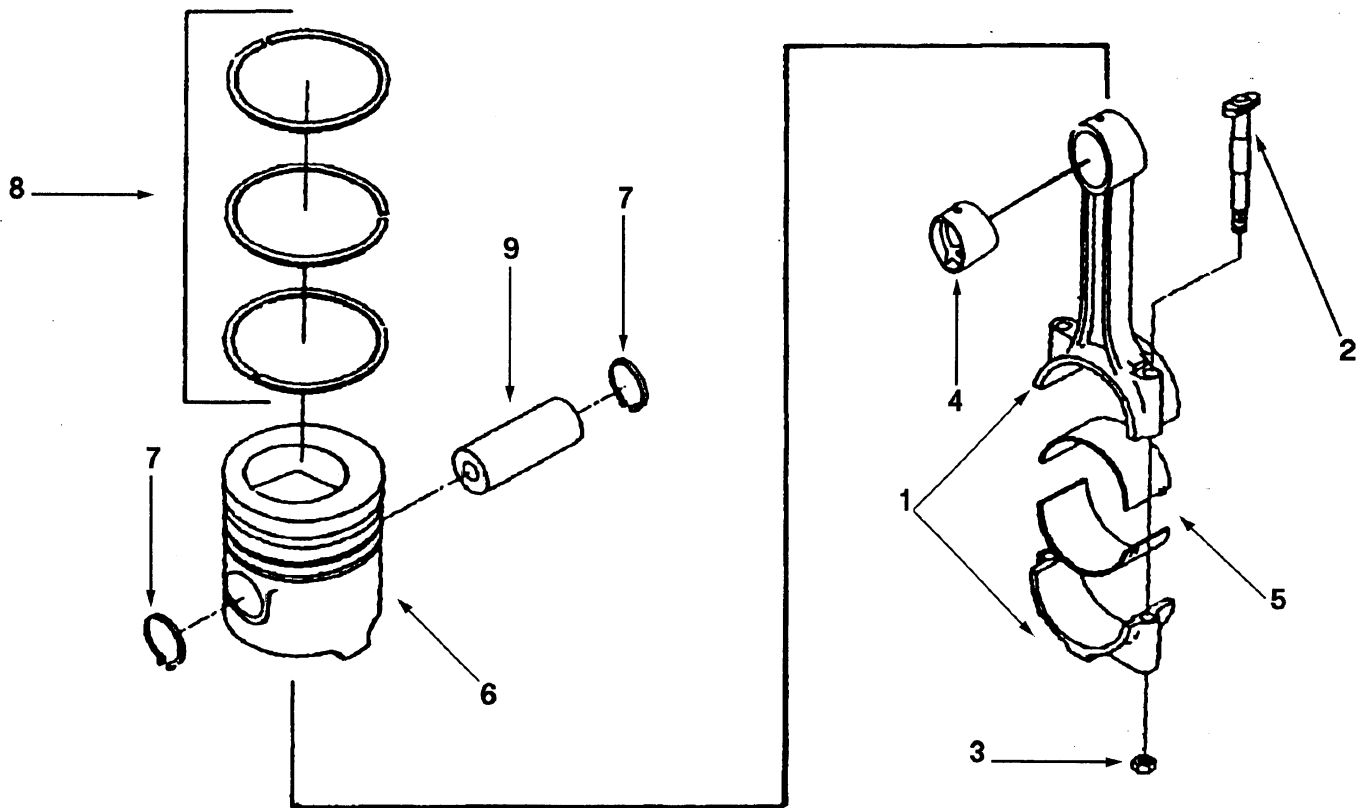
Ref No.	Part Number	Part Name	Req	Remarks
		CONNECTING ROD OPTION PP2996		Technical Model Name: 6 CTAA8.3 Engine Family: "C" Series Cylinders: 6 Certified By: EPA,CARB, Eu Certification Year: 2002 Engine Application: Nonroad CPL: 2996 Engine Aspiration: Charge Air Cooled CPL Comments: N/A Engine Design Phase: Elite II Static Timing: 10.0 degrees BTDC Injector Flow: 920CC/17% HG Applicable FR Options: FR90892, FR90893
	3901383	Rod, Engine Connecting	6	
1	(3924350)	Rod, Engine Connecting	1	
2	3928870	Bolt, Connecting Rod	2	
3	3934864	Nut, Connecting Rod	2	
4	3913990	Bushing	1	
5	3901430	Bearing, Connecting Rod	12	
	3802263	Kit, Engine Piston	1	
6	(3917707)	Piston, Engine	1	
7	3920692	Ring, Retaining	2	
8	3802429	Set, Piston Ring	1	
9	3934046	Pin, Piston	6	
5	3901431	Bearing, Connecting Rod	A/R	(0.010) Oversize
5	3901432	Bearing, Connecting Rod	A/R	(0.020) Oversize
5	3901433	Bearing, Connecting Rod	A/R	(0.030) Oversize
5	3901434	Bearing, Connecting Rod	A/R	(0.040) Oversize



Ref No.	Part Number	Part Name	Req	Remarks
		CAMSHAFT GEAR OPTION PP2996		
1	(3935715) 3923478	Camshaft	1	CPL: 2996
2	3902332	Key, Plain Woodruff	1	
3	3918777	Gear, Camshaft	1	
4	3900227	Screw, Hexagon Head Cap	2	M8 x 1.25 x 22
5	3927155	Support, Camshaft Thrust	1	

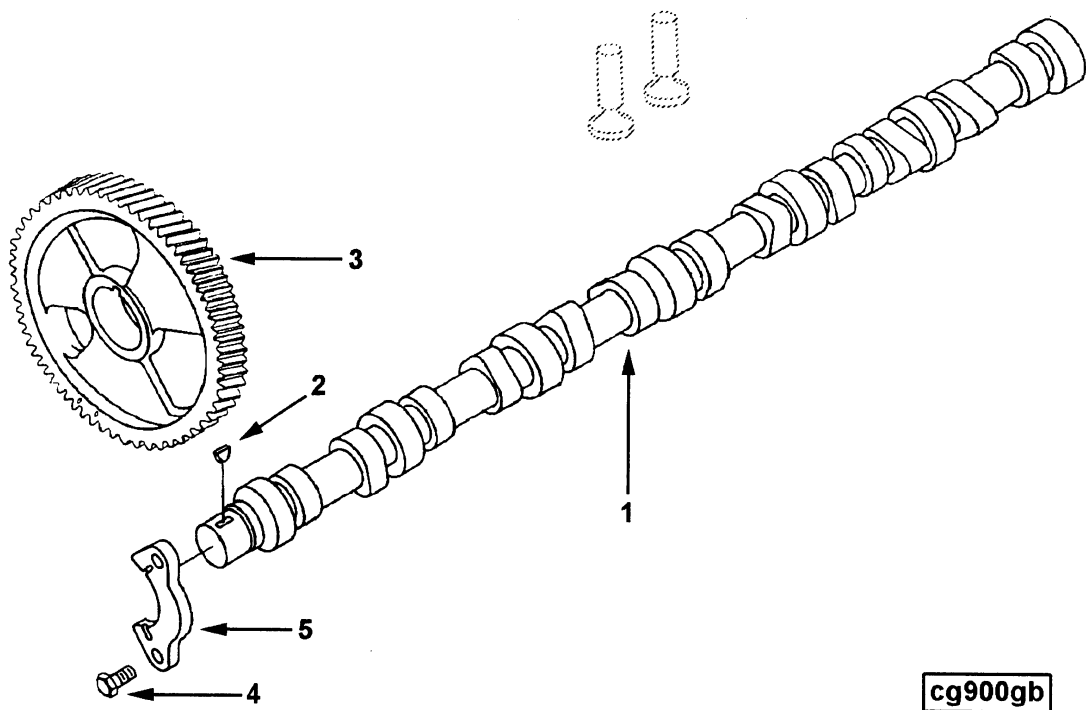


Ref No.	Part Number	Part Name	Req	Remarks
		INJECTOR OPTION PP2996		
1	3903380	Seal, Banjo Connector	6	CPL: 2996
2	3909886	Seal, Injector	6	6.2MM
3	3906659	Seal, Injector	6	
4	4089277	Injector	6	
5	3902112	Screw, Hex Flange Head Cap	6	M8 X 1.25 X 80.
6	3910279	Clamp, Injector	6	

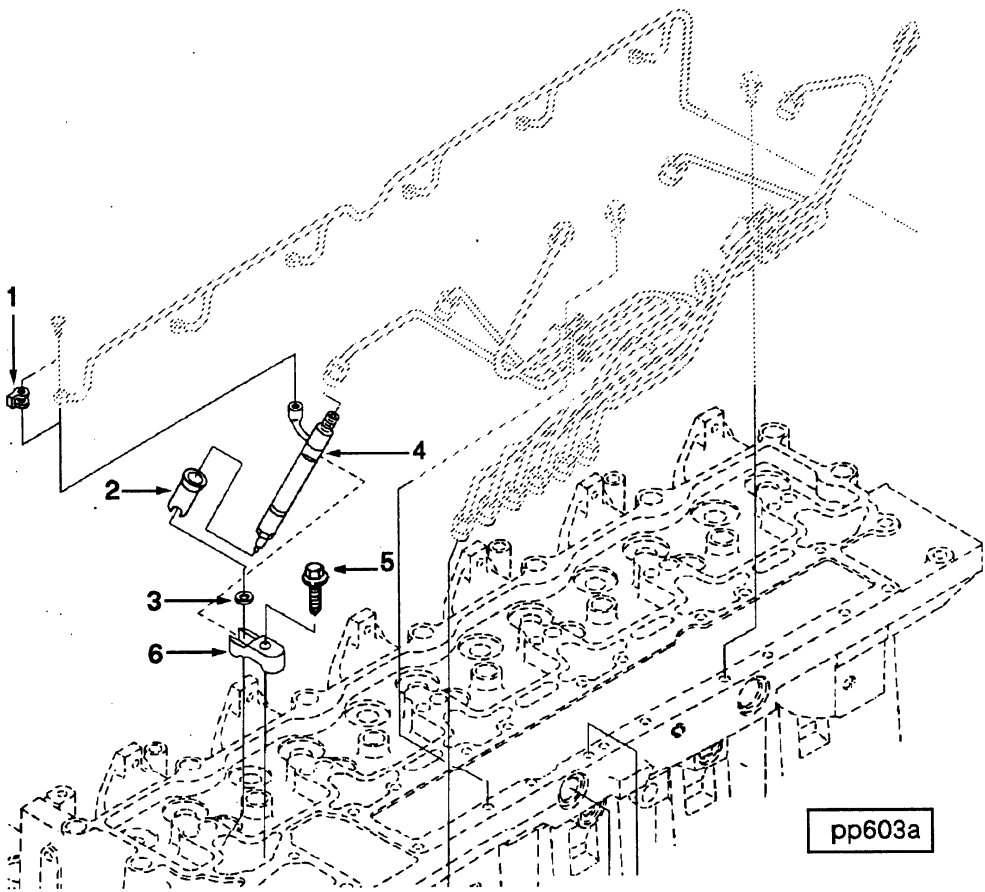


pp920gf

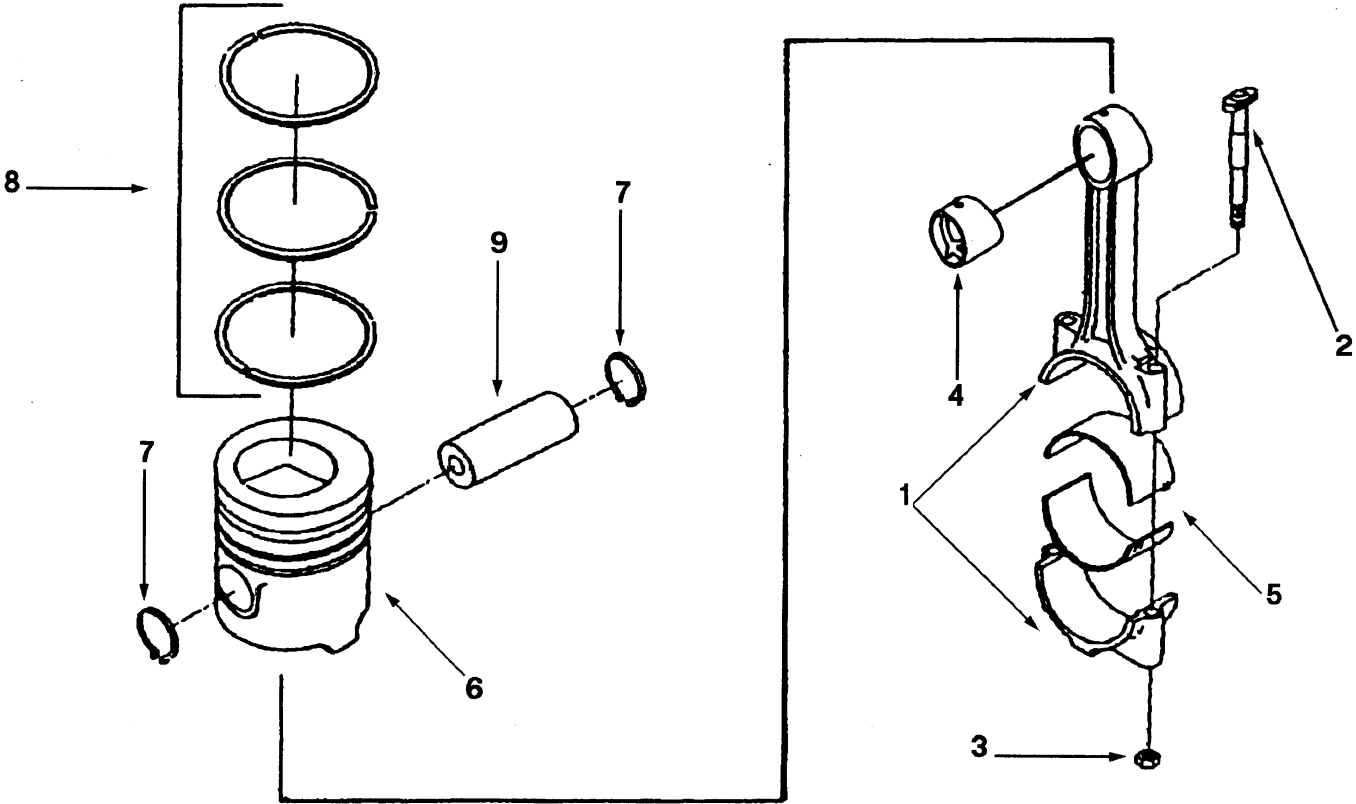
Ref No.	Part Number	Part Name	Req	Remarks
		CONNECTING ROD OPTION PP2997		Technical model name: 6 CTAA8.3-C Engine Family: "C" Series Cylinders: 6 Certified By: EPA,CARB,Eu Certification Year: 2002 Engine application: Nonroad CPL: 2997 Engine Aspiration: Charged Air Cooled CPL comments: N/A Engine design phase: Elite II Structure Code: 03 EBM Static timing: 10 degrees BTDC Injector Flow: 920cc/17%hg Applicable FR options: FR90895.
	3901383	Rod, Engine Connecting	6	
1	(3924350)	Rod, Engine Connecting	1	
2	3928870	Bolt, Connecting Rod	2	
3	3934864	Nut, Connecting Rod	2	
4	3913990	Bushing	1	
5	3901430	Bearing, Connecting Rod	12	
	3802263	Kit, Engine Piston	6	
6	(3917707)	Piston, Engine	1	
7	3920692	Ring, Retaining	2	
8	3802429	Set, Piston Ring	1	
	(3919918)	Ring, Compression Piston	1	
	(3921919)	Ring, Oil Piston	1	
	(3922686)	Ring, Compression Piston	1	
9	3934046	Pin, Piston	6	
5	3901431	Bearing, Connecting Rod	A/R	(0.010) Oversize
5	3901432	Bearing, Connecting Rod	A/R	(0.020) Oversize
5	3901433	Bearing, Connecting Rod	A/R	(0.030) Oversize
5	3901434	Bearing, Connecting Rod	A/R	(0.040) Oversize



Ref No.	Part Number	Part Name	Req	Remarks
		CAMSHAFT GEAR OPTION PP2997		
1	3923478	Camshaft	1	
2	3902332	Key, Plain Woodruff	1	
3	3918777	Gear, Camshaft	1	
4	3900227	Screw, Hexagon Head Cap	2	M8 X 1.25 X 22.
5	3927155	Support, Camshaft Thrust	1	

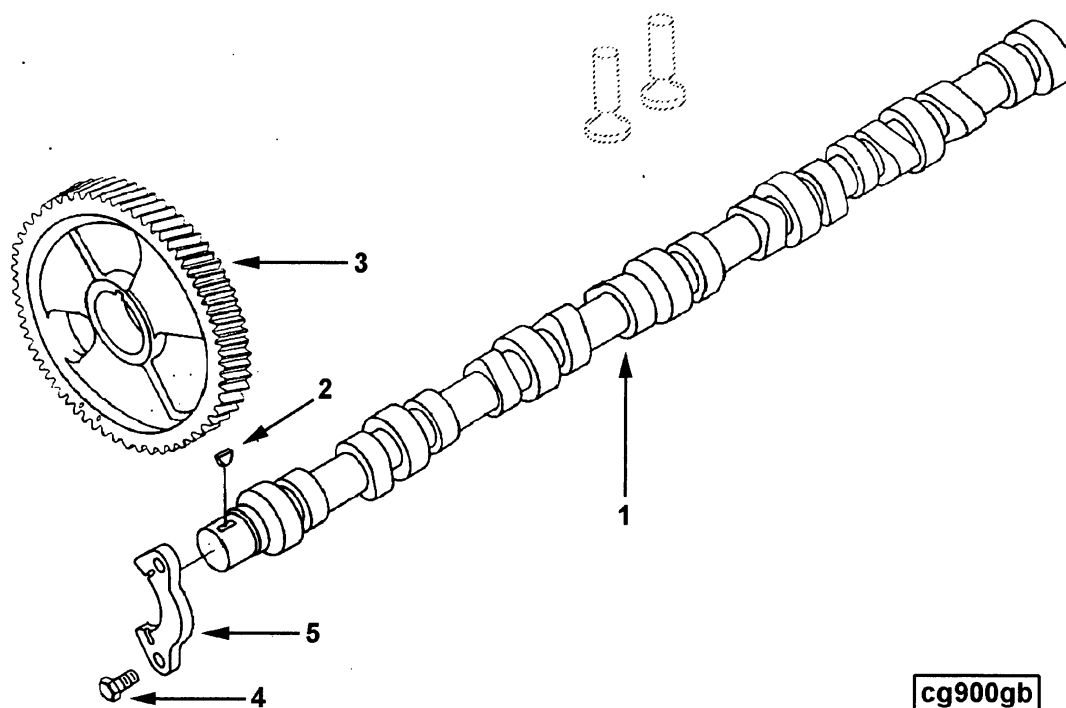


Ref No.	Part Number	Part Name	Req	Remarks
		INJECTOR OPTION PP2997		
1	3903380	Seal, Banjo Connector	6	CPL: 2997 6.2MM
2	3909886	Seal, Injector	6	
3	3906659	Seal, Injector	6	
4	4089277	Injector	6	
5	3902112	Screw, Hex Flange Head Cap	6	M8 X 1.25 X 80.
6	3910279	Clamp, Injector	6	

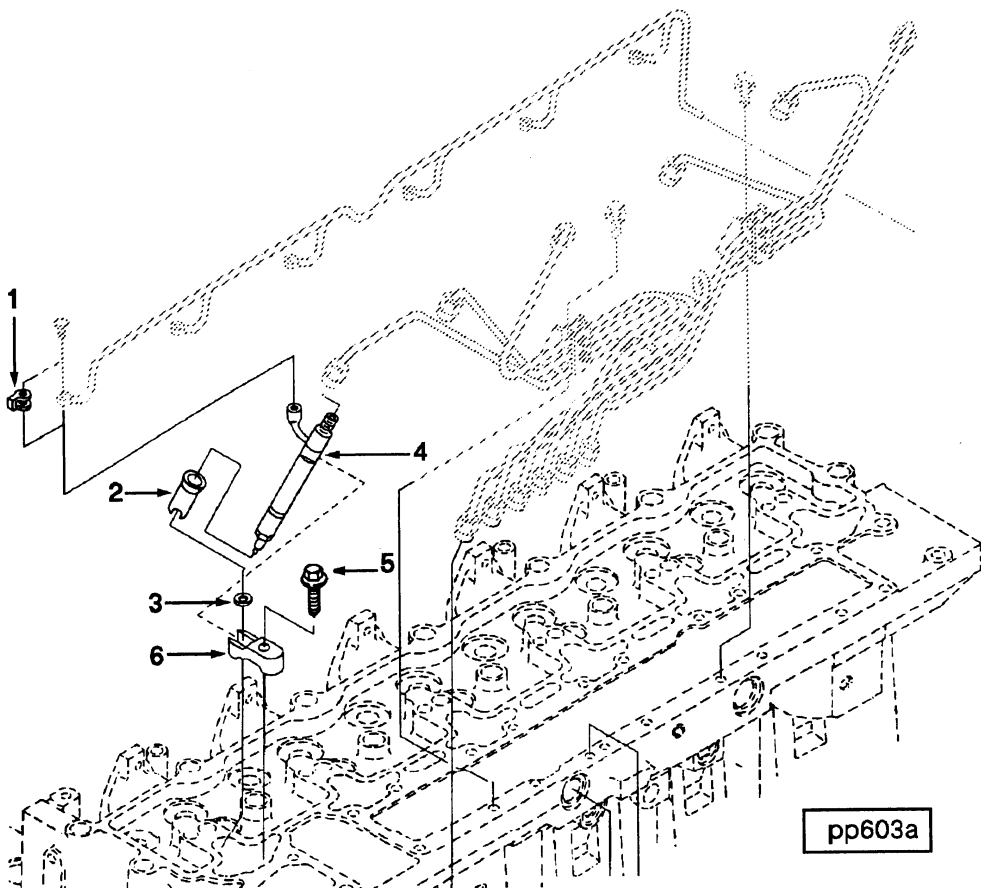


pp920gf

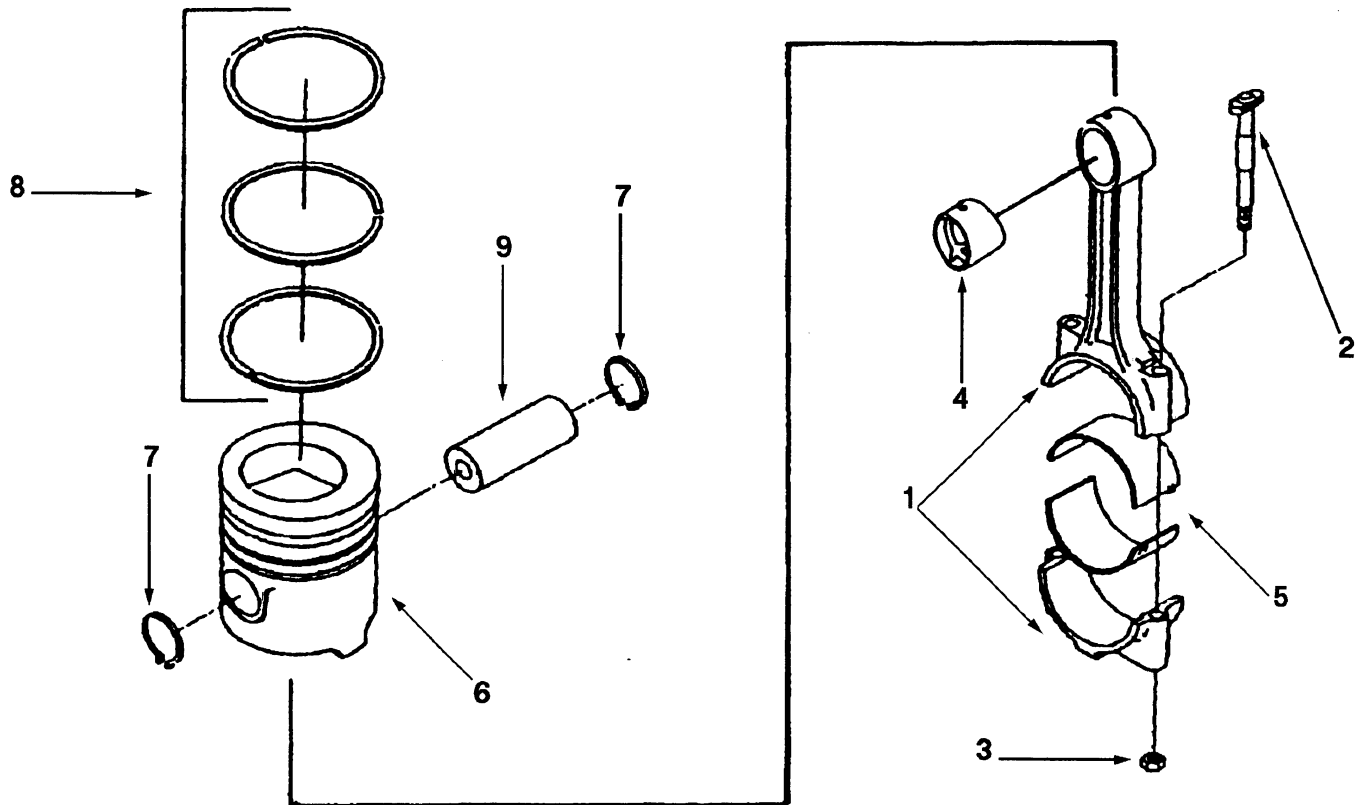
Ref No.	Part Number	Part Name	Req	Remarks
		CONNECTING ROD OPTION PP8185		Technical Model Name: 6 CTAA8.3-C Engine Family: "C" Series Cylinders: 6 Certified By: EPA,CARB,Eu Certification Year: 2002 Engine Application: Nonroad CPL: 8185 Engine Aspiration: Charged Air Cooled CPL comments: N/A Engine Design Phase: Elite II Static Timing: 10.5 degrees BTDC Injector flow: 1020cc/17% hg Applicable FR options: FR90882, FR90883, FR90884, FR90886, FR91194.
	3901383	Rod, Engine Connecting	6	
1	(3924350)	Rod, Engine Connecting	1	
2	3928870	Bolt, Connecting Rod	2	
3	3934864	Nut, Connecting Rod	2	
4	3913990	Bushing	1	
5	3901430	Bearing, Connecting Rod	12	
	3802263	Kit, Engine Piston	1	
6	(3917707)	Piston, Engine	1	
7	3920692	Ring, Retaining	2	
8	3802429	Set, Piston Ring	1	
9	3934046	Pin, Piston	6	
5	3901431	Bearing, Connecting Rod	A/R	(0.010) Oversize
5	3901432	Bearing, Connecting Rod	A/R	(0.020) Oversize
5	3901433	Bearing, Connecting Rod	A/R	(0.030) Oversize
5	3901434	Bearing, Connecting Rod	A/R	(0.040) Oversize



Ref No.	Part Number	Part Name	Req	Remarks
		CAMSHAFT GEAR OPTION PP8185		
1	(3935715) 3923478	Camshaft	1	CPL: 8185
2	3902332	Key, Plain Woodruff	1	
3	3918777	Gear, Camshaft	1	
4	3900227	Screw, Hexagon Head Cap	2	M8 x 1.25 x 22
5	3927155	Support, Camshaft Thrust	1	

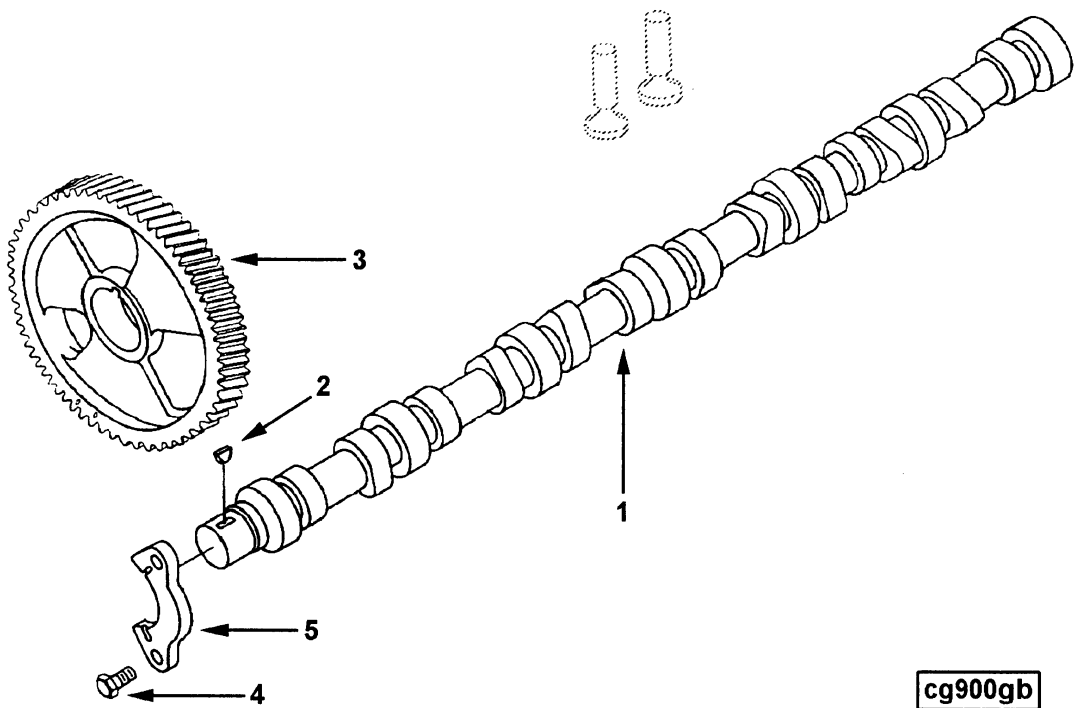


Ref No.	Part Number	Part Name	Req	Remarks
		INJECTOR OPTION PP8185		
1	3903380	Seal, Banjo Connector	6	CPL: 8185
2	3909886	Seal, Injector	6	6.2MM
3	3906659	Seal, Injector	6	
4	(4089276)	Injector	6	
5	3902112	Screw, Hex Flange Head Cap	6	M8 X 1.25 X 80.
6	3910279	Clamp, Injector	6	

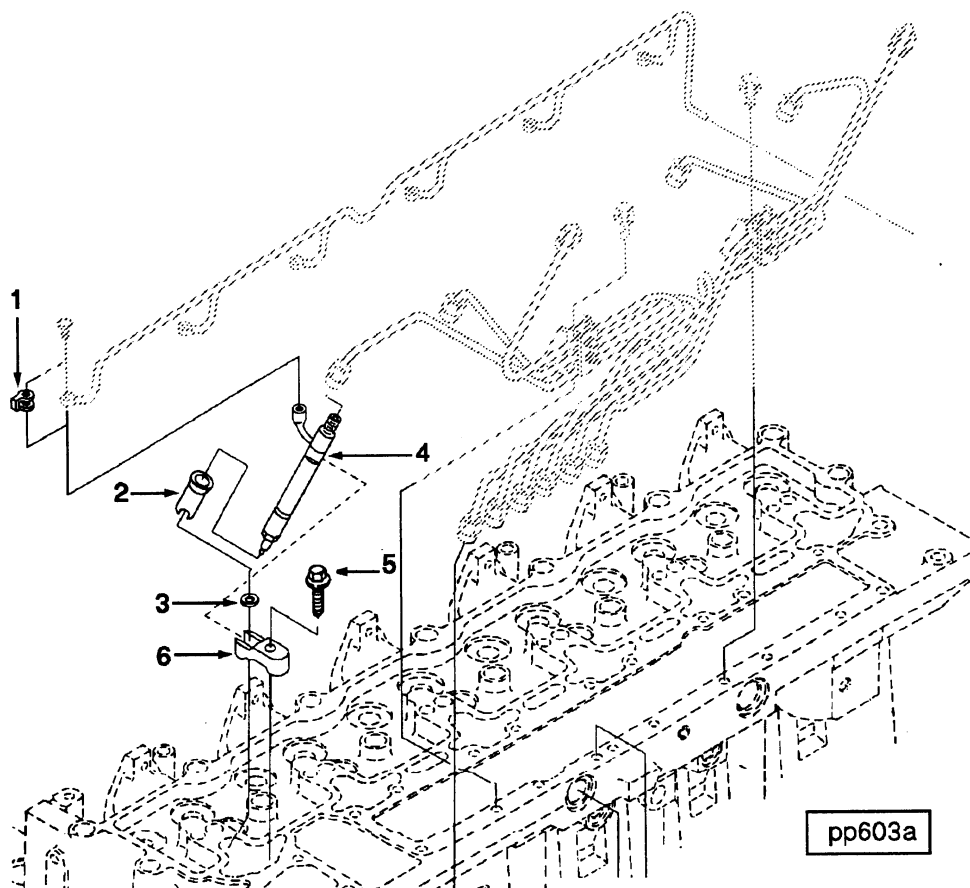


pp920gf

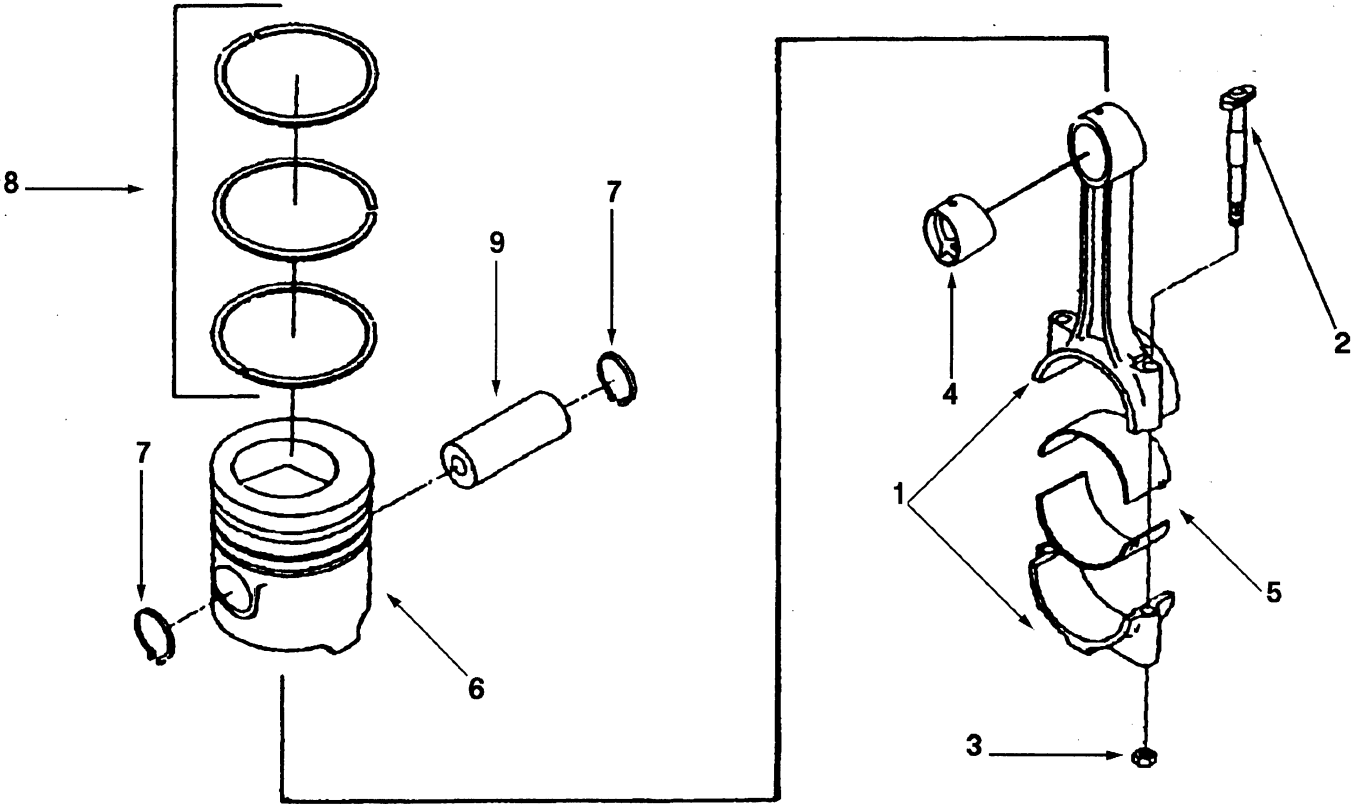
Ref No.	Part Number	Part Name	Req	Remarks
		CONNECTING ROD OPTION PP8197		Technical Model Name: 6 CTAA8.3-C Engine Family: "C" Series Cylinders: 6 Certified By: EPA,CARB,Eu Certification Year: 2002 Engine Application: Nonroad CPL: 8197 Engine Aspiration: Charged Air Cooled CPL comments: N/A Engine Design Phase: Elite II Static Timing: 9.0 degrees BTDC Injector flow: 860cc/17% hg Applicable FR options: FR90894, FR90897, FR91003.
	3901383	Rod, Engine Connecting	6	
1	(3924350)	Rod, Engine Connecting	1	
2	3928870	Bolt, Connecting Rod	2	
3	3934864	Nut, Connecting Rod	2	
4	3913990	Bushing	1	
5	3901430	Bearing, Connecting Rod	12	
	3802263	Kit, Engine Piston	6	
6	(3917707)	Piston, Engine	1	
7	3920692	Ring, Retaining	2	
8	3802429	Set, Piston Ring	1	
9	3934046	Pin, Piston	6	
5	3901431	Bearing, Connecting Rod	A/R	(0.010) Oversize
5	3901432	Bearing, Connecting Rod	A/R	(0.020) Oversize
5	3901433	Bearing, Connecting Rod	A/R	(0.030) Oversize
5	3901434	Bearing, Connecting Rod	A/R	(0.040) Oversize



Ref No.	Part Number	Part Name	Req	Remarks
		CAMSHAFT GEAR OPTION PP8197		
1	(3935715) 3923478	Camshaft	1	CPL: #8197
2	3902332	Key, Plain Woodruff	1	
3	3918777	Gear, Camshaft	1	
4	3900227	Screw, Hexagon Head Cap	2	M8 x 1.25 x 22
5	3927155	Support, Camshaft Thrust	1	

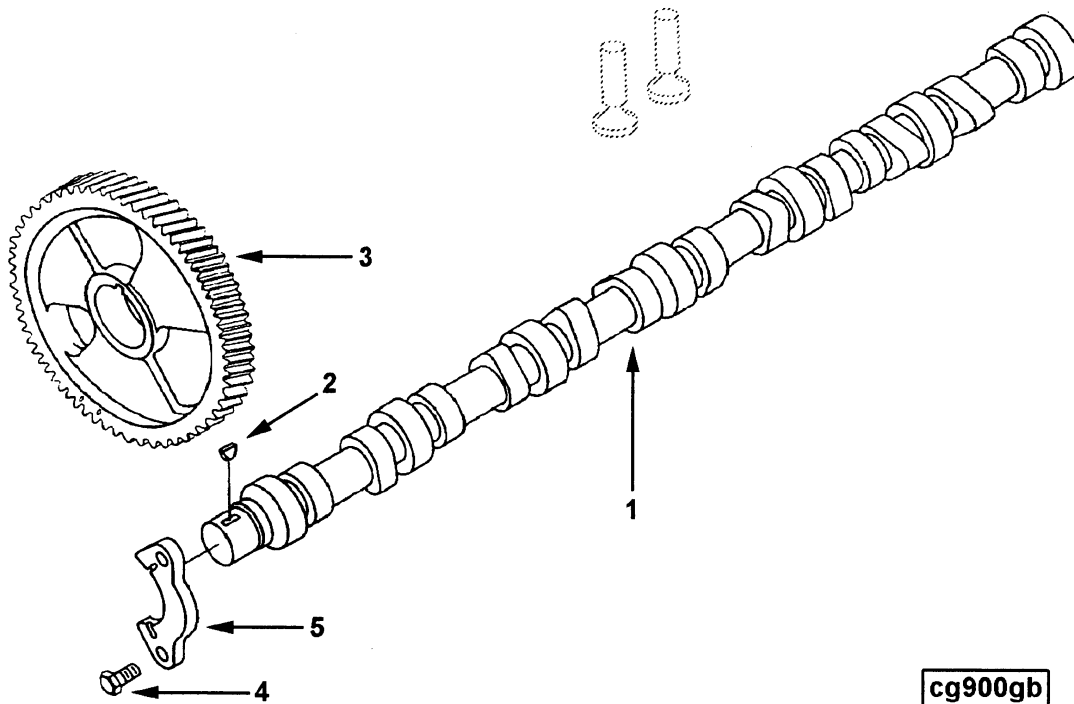


Ref No.	Part Number	Part Name	Req	Remarks
		INJECTOR OPTION PP8197		
1	3903380	Seal, Banjo Connector	6	CPL: #8197
2	3909886	Seal, Injector	6	6.2MM
3	3906659	Seal, Injector	6	
4	(4089278)	Injector	6	
5	3902112	Screw, Hex Flange Head Cap	6	M8 X 1.25 X 80.
6	3910279	Clamp, Injector	6	

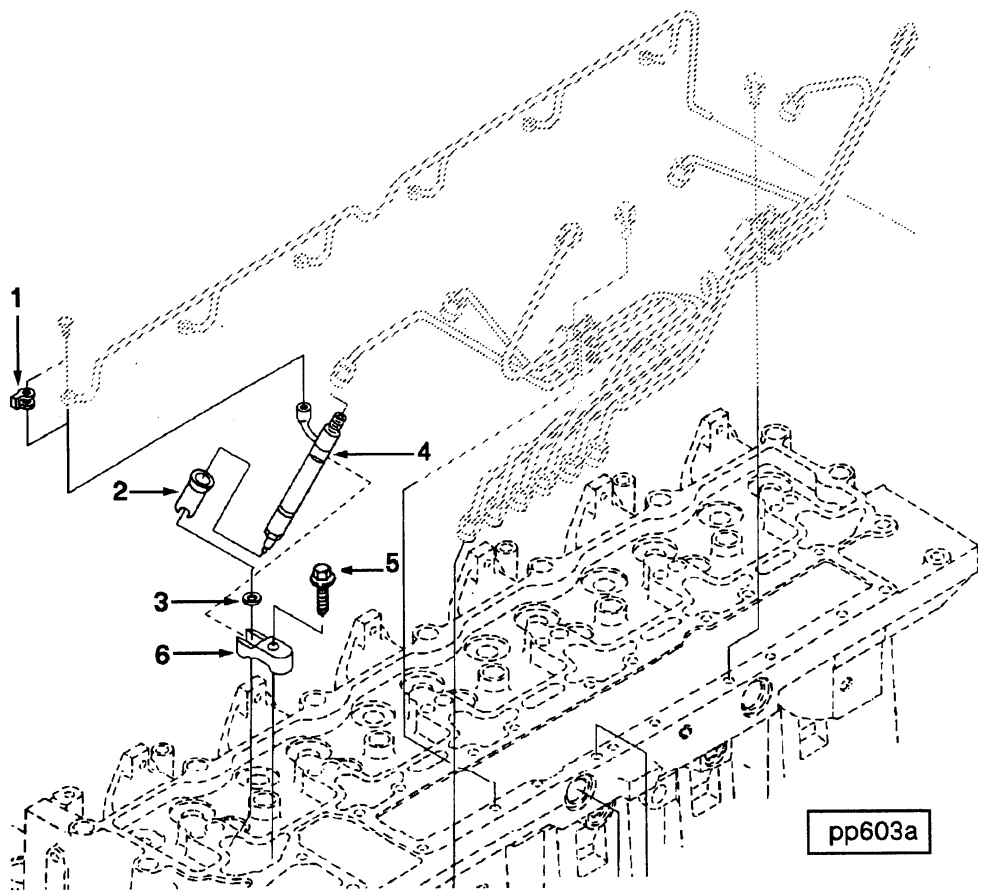


pp920gf

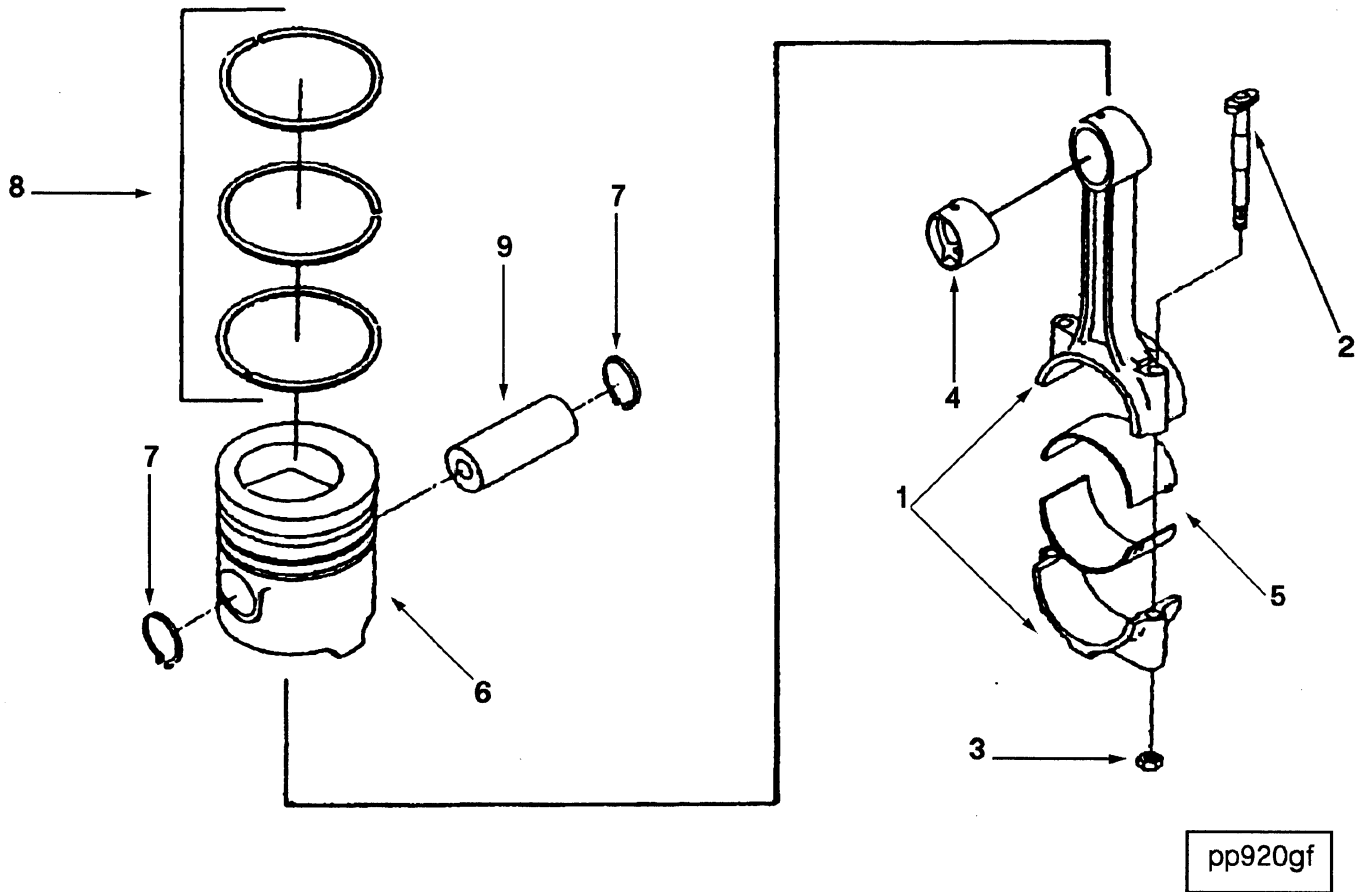
Ref No.	Part Number	Part Name	Req	Remarks
		CONNECTING ROD OPTION PP8211		Technical model name: 6 CTAA8.3-C Engine Family: "C" Series Cylinders: 6 Certified By: EPA,CARB,Eu Certification Year: 2002 Engine application: Nonroad CPL: 8211 Engine Aspiration: Charged Air Cooled CPL comments: N/A Engine design phase: Elite II Structure Code: 03 EBM Static timing: 10.0 degrees BTDC Injector flow: 980 cc/17% hg Applicable FR options: FR90887.
	3901383	Rod, Engine Connecting	6	
1	(3924350)	Rod, Engine Connecting	1	
2	3928870	Bolt, Connecting Rod	2	
3	3934864	Nut, Connecting Rod	2	
4	3913990	Bushing	1	
5	3901430	Bearing, Connecting Rod	12	
	3802263	Kit, Engine Piston	6	
6	(3917707)	Piston, Engine	1	
7	3920692	Ring, Retaining	2	
8	3802429	Set, Piston Ring	1	
	(3919918)	Ring, Compression Piston	1	
	(3921919)	Ring, Oil Piston	1	
	(3922686)	Ring, Compression Piston	1	
9	3934046	Pin, Piston	6	
5	3901431	Bearing, Connecting Rod	A/R	(0.010) Oversize
5	3901432	Bearing, Connecting Rod	A/R	(0.020) Oversize
5	3901433	Bearing, Connecting Rod	A/R	(0.030) Oversize
5	3901434	Bearing, Connecting Rod	A/R	(0.040) Oversize



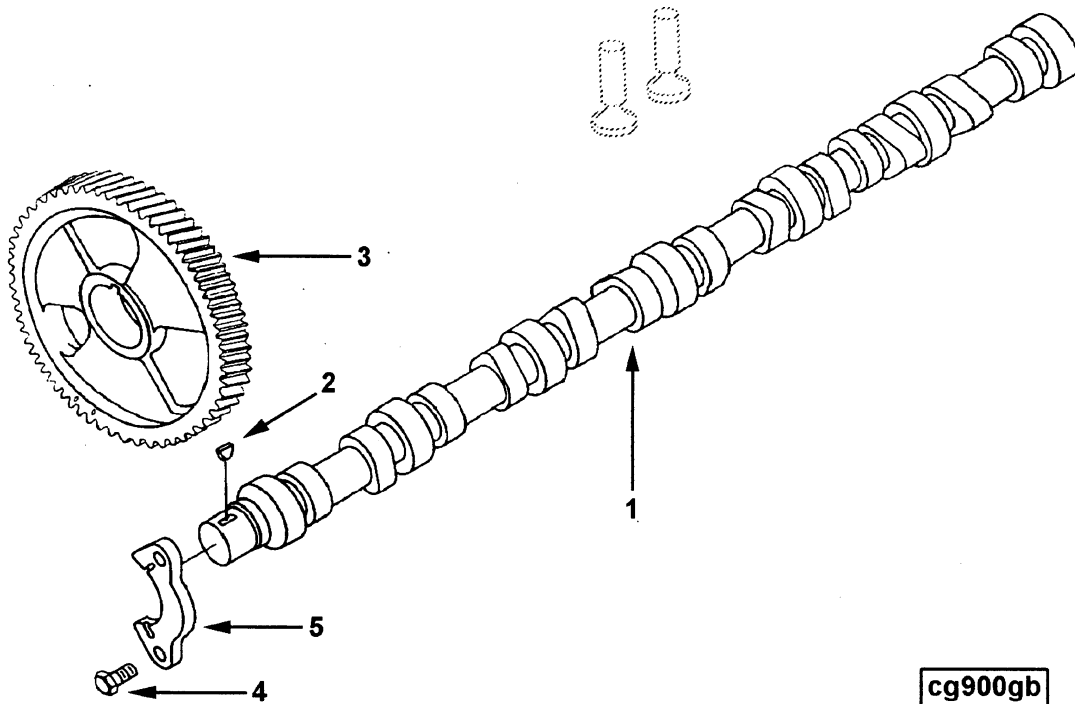
Ref No.	Part Number	Part Name	Req	Remarks
		CAMSHAFT GEAR OPTION PP8211		
1	3923478	Camshaft	1	CPL: 8211
2	3902332	Key, Plain Woodruff	1	
3	3918777	Gear, Camshaft	1	
4	3900227	Screw, Hexagon Head Cap	2	M8 x 1.25 x 22
5	3927155	Support, Camshaft Thrust	1	



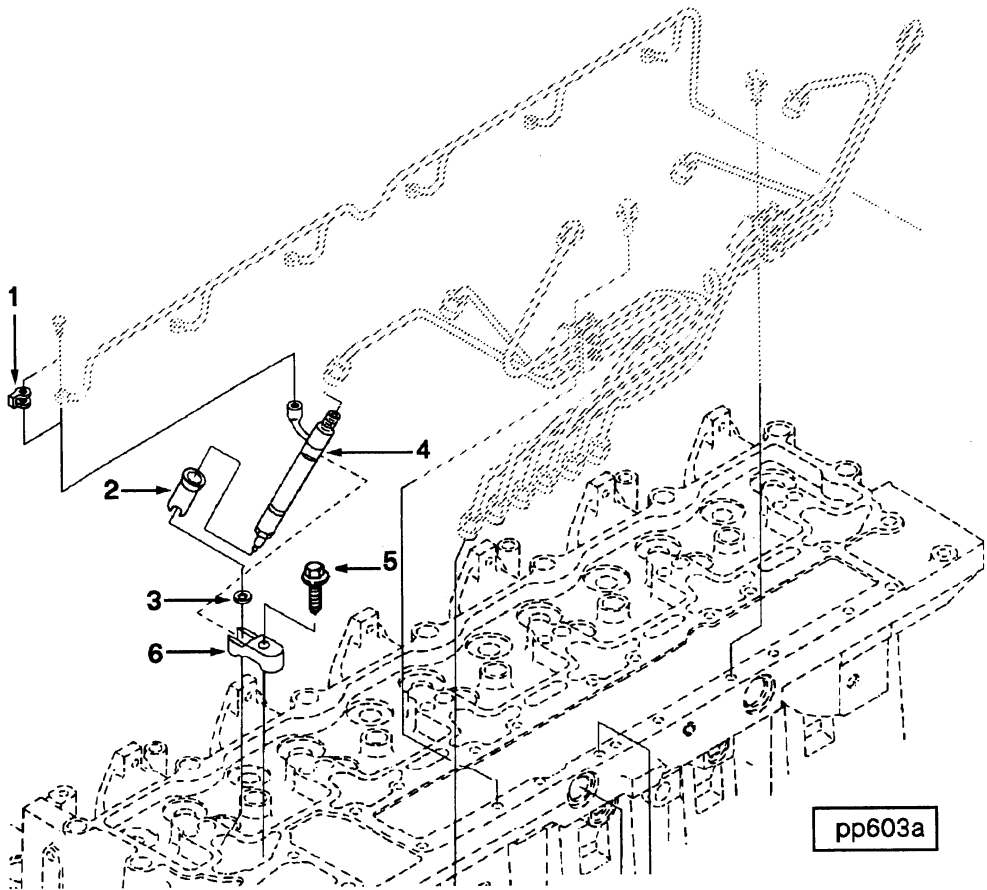
Ref No.	Part Number	Part Name	Req	Remarks
		INJECTOR OPTION PP8211		
1	3903380	Seal, Banjo Connector	6	CPL: 8211
2	3909886	Seal, Injector	6	6.2MM
3	3906659	Seal, Injector	6	
4	(4063526)	Injector	6	
5	3902112	Screw, Hex Flange Head Cap	6	M8 X 1.25 X 80.
6	3910279	Clamp, Injector	6	



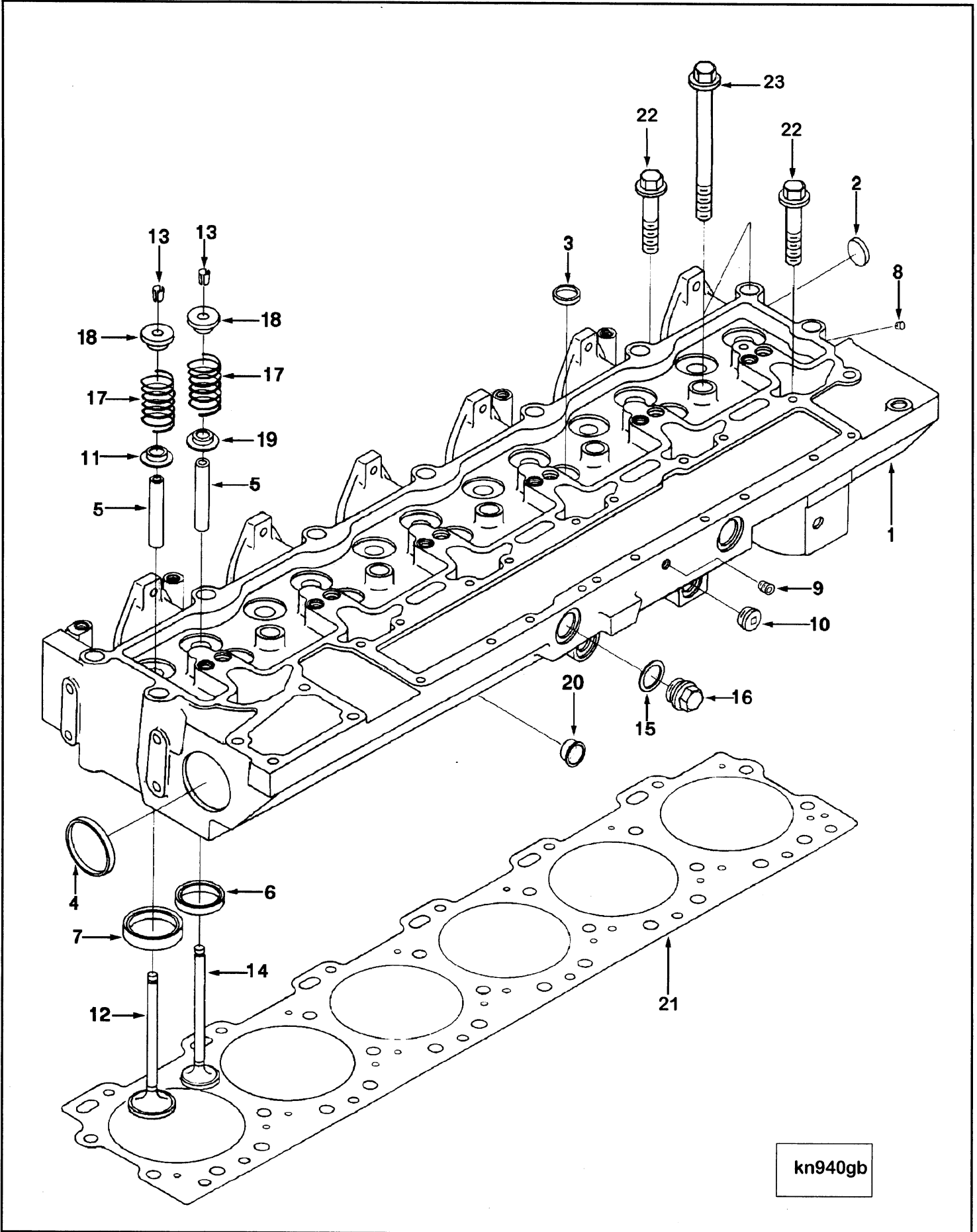
Ref No.	Part Number	Part Name	Req	Remarks
		CONNECTING ROD OPTION PP8307		Technical model name: 6 CTAA8.3-C Engine Family: "C" Series Cylinders: 6 Certified By: EPA,CARB,EU Certification Year: 2002 Engine application: Nonroad CPL: 8307 Engine Aspiration: Charged Air Cooled CPL comments: N/A Engine design phase: Elite II Structure Code: 03 EBM Static timing: 9 degrees BTDC Injector Flow: 860 cc/17%hg Applicable FR options: FR91002.
	3901383	Rod, Engine Connecting	6	
1	(3924350)	Rod, Engine Connecting	1	
2	3928870	Bolt, Connecting Rod	2	
3	3934864	Nut, Connecting Rod	2	
4	3913990	Bushing	1	
5	3901430	Bearing, Connecting Rod	12	
	3802263	Kit, Engine Piston	6	
6	(3917707)	Piston, Engine	1	
7	3920692	Ring, Retaining	2	
8	3802429	Set, Piston Ring	1	
	(3919918)	Ring, Compression Piston	1	
	(3921919)	Ring, Oil Piston	1	
	(3922686)	Ring, Compression Piston	1	
9	3934046	Pin, Piston	6	
5	3901431	Bearing, Connecting Rod	A/R	(0.010) Oversize
5	3901432	Bearing, Connecting Rod	A/R	(0.020) Oversize
5	3901433	Bearing, Connecting Rod	A/R	(0.030) Oversize
5	3901434	Bearing, Connecting Rod	A/R	(0.040) Oversize



Ref No.	Part Number	Part Name	Req	Remarks
		CAMSHAFT GEAR OPTION PP8307		
1	3923478	Camshaft	1	CPL: 8307
2	3902332	Key, Plain Woodruff	1	
3	3918777	Gear, Camshaft	1	
4	3900227	Screw, Hexagon Head Cap	2	M8 X 1.25 X 22.
5	3927155	Support, Camshaft Thrust	1	

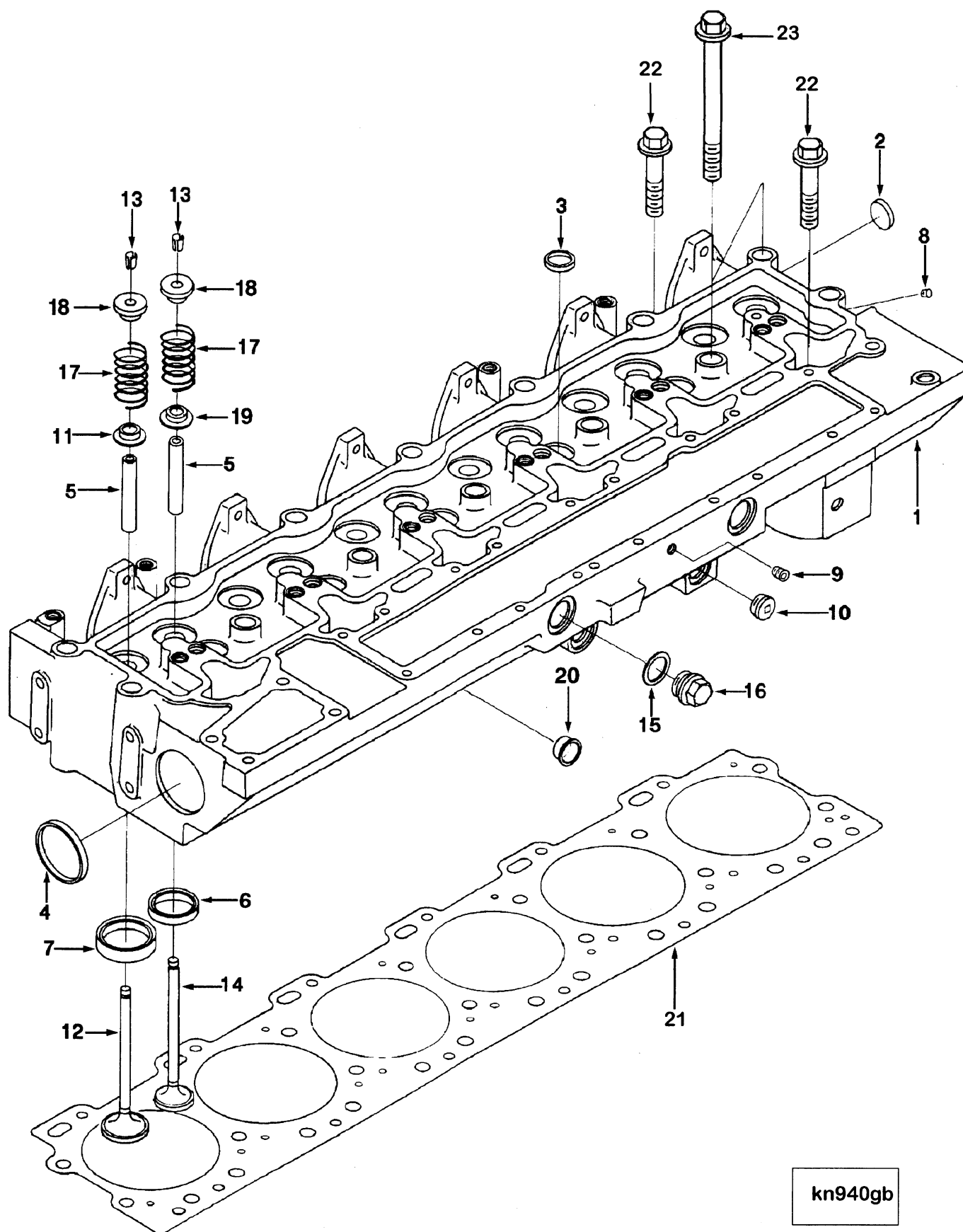


Ref No.	Part Number	Part Name	Req	Remarks
		INJECTOR OPTION PP8307		
1	3903380	Seal, Banjo Connector	6	CPL: 8307
2	3909886	Seal, Injector	6	6.2MM
3	3906659	Seal, Injector	6	
4	(3939837)	Injector	6	
5	3902112	Screw, Hex Flange Head Cap	6	M8 X 1.25 X 80.
6	3910279	Clamp, Injector	6	



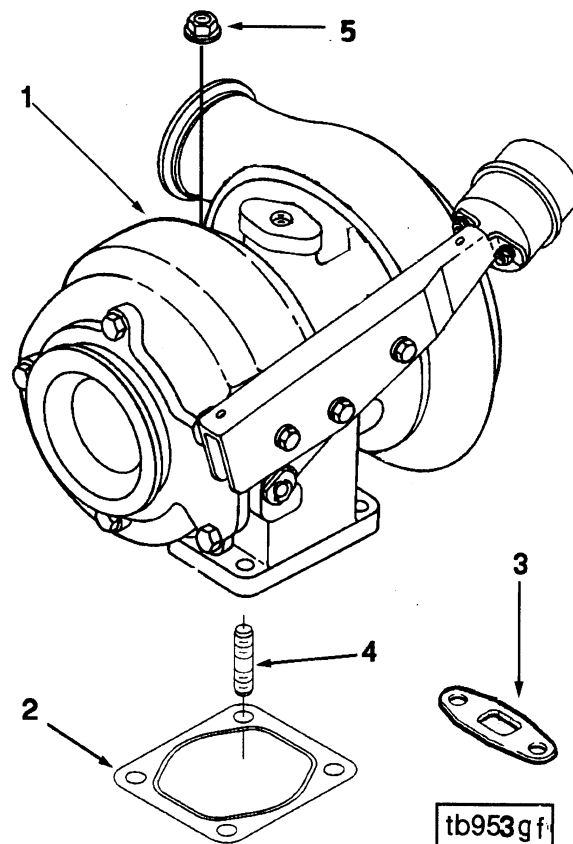
kn940gb

Ref No.	Part Number	Part Name	Req	Remarks
		CYLINDER HEAD OPTION PP97971		
				CPL: 2995, 2996, 2997, 8145, 8146, 8185, 8197, 8211, 8222, 8292, 8307 Cylinder Head Material: Cast Iron Exhaust Brake Provision: No Air compressor provision: No Applicable FR options: FR90892,FR90893, FR90894,FR90895.
1	(3936180)	Head, Cylinder	1	
2	3920443	Plug, Expansion	1	
3	3007635	Plug, Expansion	5	
4	3922072	Plug, Expansion	2	
5	3925863	Guide, Valve Stem	12	
6	3928174	Insert, Valve	6	
7	3924582	Insert, Valve	6	
8	3008464	Plug, Pipe	1	1/16 NPT.
9	3008466	Plug, Pipe	1	1/4 NPT
10	3008468	Plug, Pipe	1	1/2 NPT
11	3927642	Seal, Valve Stem	6	
	3802463	Kit, Intake Valve	6	
12	(3924492)	Valve, Intake	1	
13	3901177	Collet, Valve	2	
	3802085	Valve, Exhaust	6	
14	(3921444)	Valve, Exhaust	1	
13	3901177	Collet, Valve	2	
15	3902425	Washer, Sealing	2	
16	3924148	Plug, Threaded	2	Not used in this version.
17	(3991085)	Spring, Valve	12	
18	3912976	Retainer, Valve Spring	12	
19	3927642	Seal, Valve Stem	6	
20	3912900	Plug, Expansion	1	
21	3938267	Gasket, Cylinder Head	1	
22	3917729	Screw, Hex Flange Head Cap	12	M14 X 2.00 X 80.
23	3917728	Screw, Hex Flange Head Cap	14	M14 x 2.00 x 160

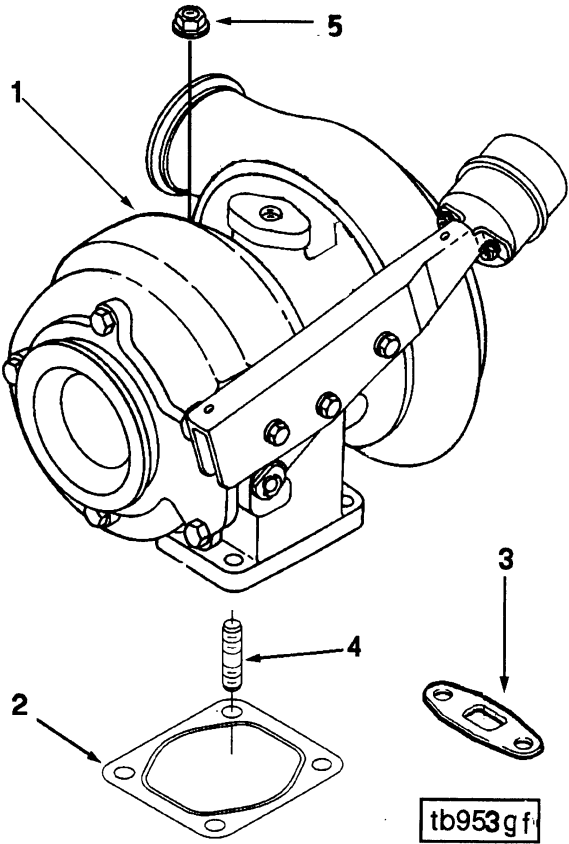


kn940gb

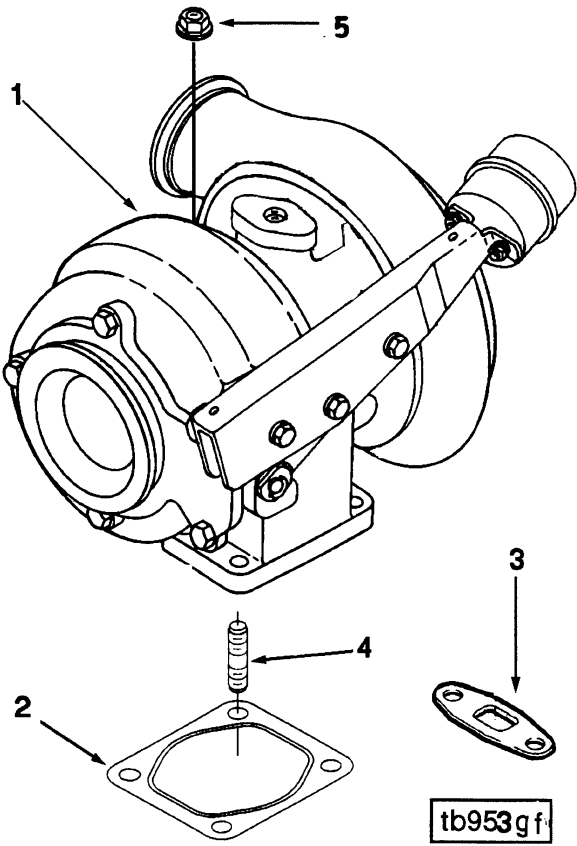
Ref No.	Part Number	Part Name	Req	Remarks
		CYLINDER HEAD OPTION PP97972		
				CPL: 2995, 2996, 2997, 8145, 8146, 8185, 8197, 8211, 8222, 8292, 8307 Cylinder Head Material: Moly Exhaust Brake Provision: No Air Compressor Provision: No
1	3931925 (3936178)	Head, Cylinder	1	
2	3920443	Head, Cylinder	1	
3	3920443	Plug, Expansion	1	
3	(3914035)	Plug, Expansion	5	
	3007635	Plug, Expansion	5	Service requirements should be supplied with part number 3007635.
4	3922072	Plug, Expansion	2	
5	3925863	Guide, Valve Stem	12	
6	3928174	Insert, Valve	6	Exhaust
7	3924582	Insert, Valve	6	Intake
8	3008464	Plug, Pipe	1	1/16 NPT.
9	3008466	Plug, Pipe	1	1/4 NPT. Not in this version
10	3008468	Plug, Pipe	1	1/2 NPT Not in this version
11	3927642	Seal, Valve Stem	6	
	3802463	Kit, Intake Valve	6	
12	(3924492)	Valve, Intake	1	
13	3901177	Collet, Valve	1	
	3802085	Valve, Exhaust	6	
13	3901177	Collet, Valve	1	
14	(3921444)	Valve, Exhaust	1	
15	3902425	Washer, Sealing	2	
16	3924148	Plug, Threaded	2	
17	(3991085)	Spring, Valve	12	Intake and Exhaust
18	3912976	Retainer, Valve Spring	12	
19	3927642	Seal, Valve Stem	6	
20	3912900	Plug, Expansion	1	
21	3938267	Gasket, Cylinder Head	1	
22	3917729	Screw, Hex Flange Head Cap	12	M14 X 2.00 X 80.
23	3917728	Screw, Hex Flange Head Cap	14	M14 X 2.00 X 160.



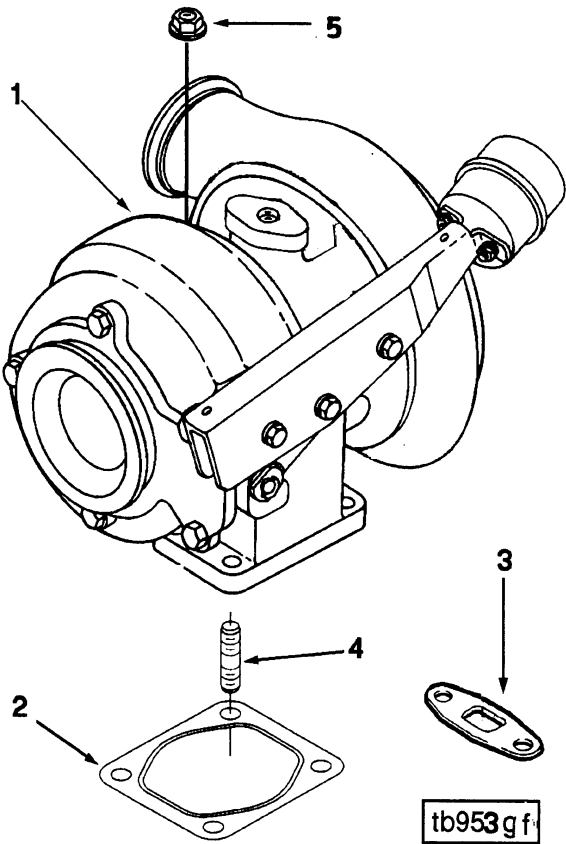
Ref No.	Part Number	Part Name	Req	Remarks
		TURBOCHARGER OPTION PP97973		Design Phase: Tier 2 Engine Family: C Engine Cylinder: 6 Base ID17 Turbocharger: 3597311 Wastegate Pressure Setting (BAR): 1.84 Attitudes: Compressor angle: 200 degrees Turbine angle: 0 degrees SPIG angle: 180 degrees Fixed Compressor Angles by Exhaust Orientation (Calculated): HMFO: 20 degrees relative to the engine HMRO: 160 degrees relative to the engine LMFO: N/A LMRO: N/A Wastegate Capsule Spigot Location Orientation: High HMFO: TBD HMRO: (-90.7,695.6,-627.7) LMFO: N/A LMRO: N/A Mounting flange geometry single scallop Turbine outlet flange type: Half Marmon Turbocharger CPR outlet flange type: Half Marmon Exhaust flange outlet location: From turbo-charger mounting flange centerline to exhaust outlet (mm): 95. CPL: 2995, 2996, 8185, 8197, 8211, 8292
1	(4089274)	Kit, Turbocharger	1	
	(3597311)	Turbocharger	1	
2	3755843	Gasket, Turbocharger	1	
3	3937706	Gasket, Oil Drain	1	
4	3818823	Stud	4	
5	3818824	Nut, Hexagon Flange	4	M10 x 1.50



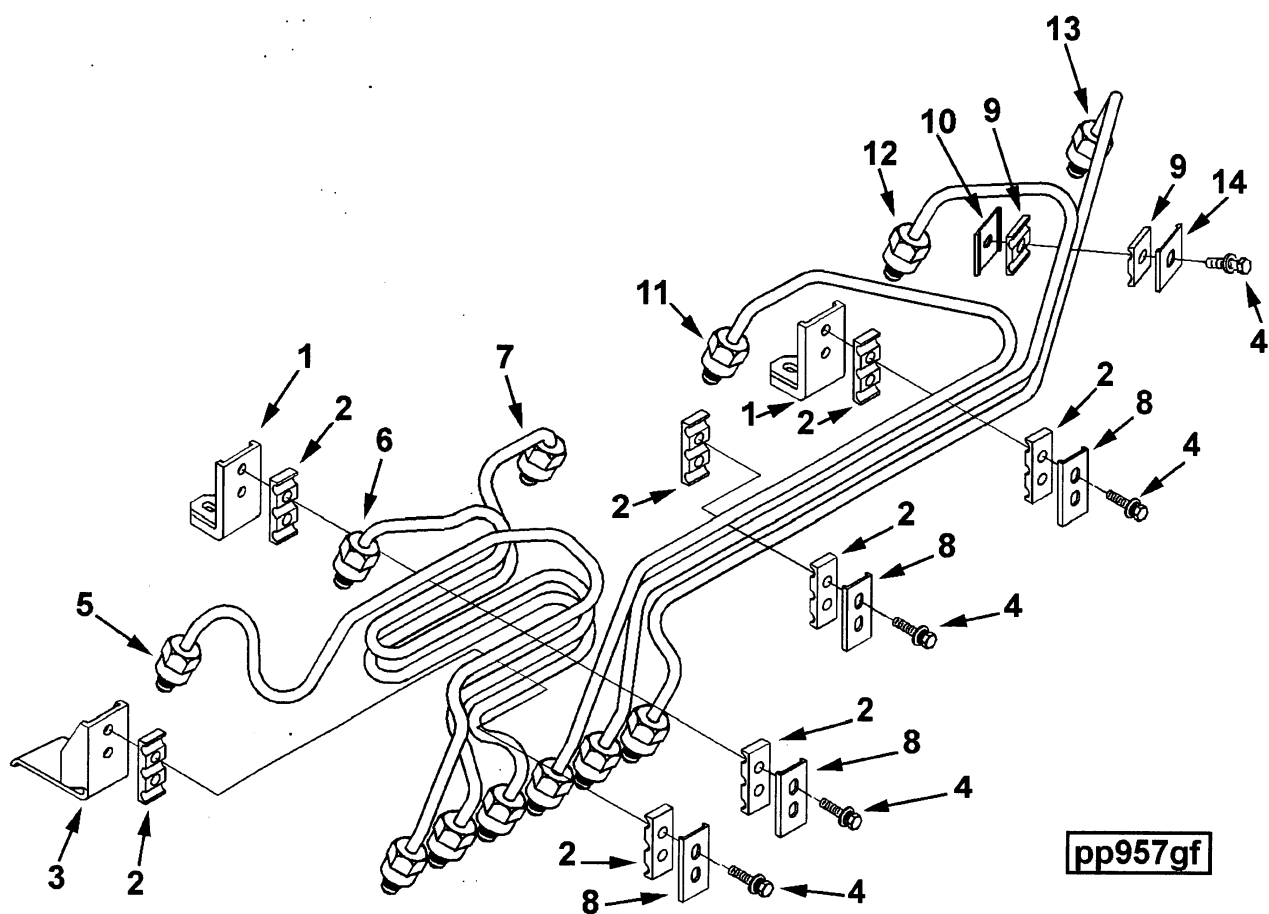
Ref No.	Part Number	Part Name	Req	Remarks
		TURBOCHARGER OPTION PP98116		Design Phase: Tier 2 Engine Family: C Engine Cylinders: 6 Base ID17 Turbocharger: 3597311 Wastegate Pressure Setting (BAR): 1.84 Attitudes: Compressor angle: 73 deg Turbine angle: 0 degrees SPIG angle: 180 degrees Fixed Compressor Angles by Exhaust Orientation (Calculated): HMFO: 253 degrees relative to the engine HMRO: 287 degrees relative to the engine LMFO: N/A LMRO: N/A Wastegate Capsule Spigot Location Orientation: High HMFO: (-90.7, 695.6, -627.7) HMRO: TBD LMFO: N/A LMRO: N/A Mounting flange geometry: Single scallop Turbine outlet flange type: Half Marmon Turbocharger CPR outlet flange type: Half Marmon Exhaust flange outlet location: From turbocharger mounting flange centerline to exhaust outlet (mm): 95 CPL: 2995, 2996, 8185, 8197, 8197, 8211, 8292
	(4089274)	Kit, Turbocharger	1	
1	(3597311)	Turbocharger	1	
2	3755843	Gasket, Turbocharger	1	
3	3937706	Gasket, Oil Drain	1	
4	3818823	Stud	4	
5	3818824	Nut, Hexagon Flange	4	M10 x 1.50



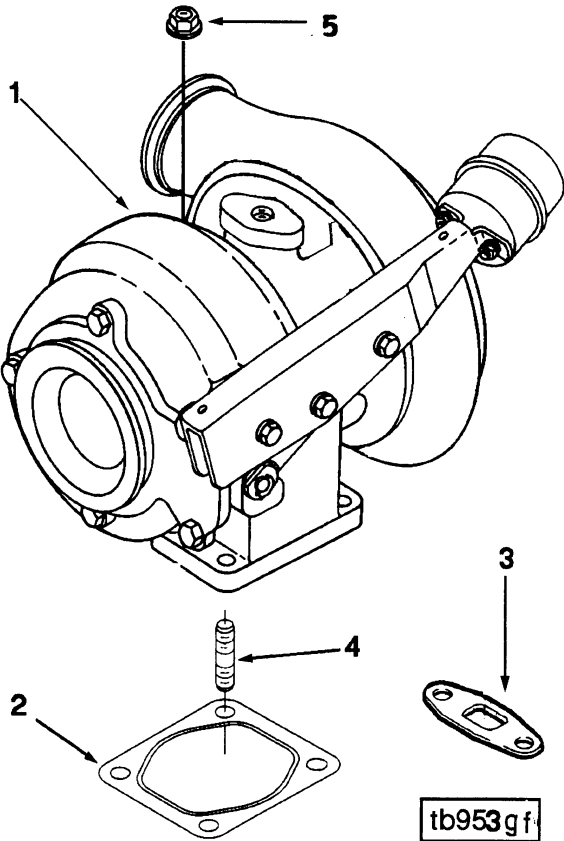
Ref No.	Part Number	Part Name	Req	Remarks
		TURBOCHARGER OPTION PP98258		Base ID17 turbocharger: 3597311 Wastegate pressure setting (BAR): 1.84 Attitudes: Compressor Angle: 145 degrees Turbine angle: 20 degrees SPIG angle: 0 degrees Fixed compressor angles by exhaust orientation (calculated) HMFO: 345 degrees Relative to the engine HMRO: 195 degrees Relative to the engine LMFO: 123 degrees Relative to the engine LMRO: 333 degrees Relative to the engine wastegate capsule spigot location by exhaust orientation (calculated) HMFO: TBD (X,Y,Z) Coordinates relative to the engine HMRO: (-274.8,661.1,-317.8) Relative to the engine LMFO: TBD (X,Y,Z)coordinates relative to the engine LMRO: TBD (X,Y,Z)coordinates relative to the engine mounting flange geometry: Single scallop Exhaust Outlet Flange Type: Half Marmon CPR Outlet Flange Type: Half Marmon Exhaust flange outlet location (mm) from turbocharger mounting flange centerline to exhaust outlet (mm): 95 CPL: 2995,2996,8185,8197,8211.
1	(4089274)	Kit, Turbocharger	1	
2	(3597311)	Turbocharger	1	
3	3755843	Gasket, Turbocharger	1	
3	3937706	Gasket, Oil Drain	1	
4	3818823	Stud	4	
5	3818824	Nut, Hexagon Flange	4	M10 x 1.50



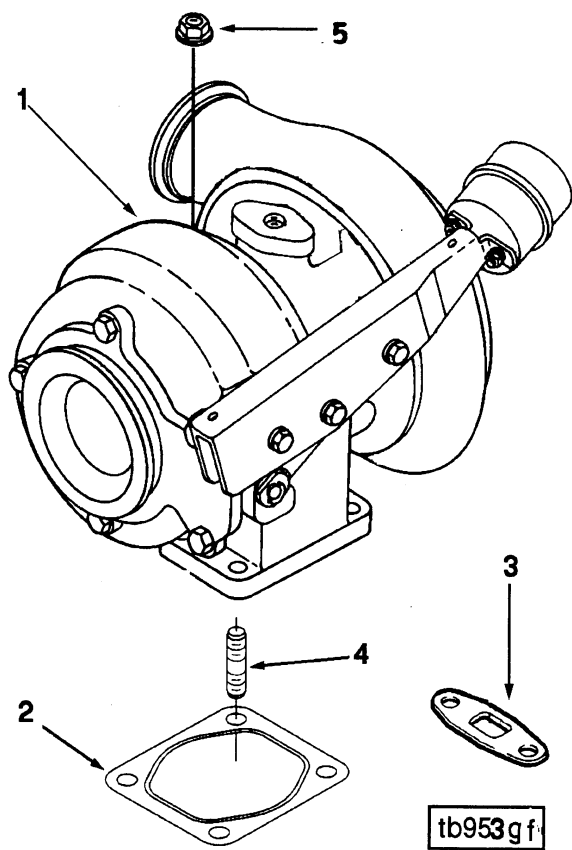
Ref No.	Part Number	Part Name	Req	Remarks
		TURBOCHARGER OPTION PP98265		Engine Family: C Cylinders: 6 Base ID17 turbocharger: 3597311 Wastegate pressure setting(BAR): 1.84 Attitudes: Compressor Angle: 340 degrees Turbine angle: 20 degrees SPIG angle: 0 degrees Fixed compressor angles by exhaust orientation (calculated) HMFO: 180 deg Relative to the engine HMRO: 360 degrees Relative to the engine LMFO: 318 degrees Relative to the engine LMRO: 138 degrees Relative to the engine wastegate capsule spigot location by exhaust orientation (calculated) HMFO: TBD (x,y,z) coordinates Relative to the engine HMRO: (-274.8,661.1,-317.8) Relative to the engine LMFO: TBD(x,y,z)coordinates Relative to the engine LMRO: TBD(x,y,z)coordinates Relative to the engine mounting flange geometry: Single scallop Exhaust Outlet Flange Type: Half Marmon CPR Outlet Flange Type: Half Marmon Exhaust flange outlet location (mm) from turbocharger mounting flange centerline to exhaust outlet (mm): 95 CPL: 2995,2996,8185,8197,8211. HX40W Cummins application and cnh setting/checking pressure 1.84 BAR setting act rod movement 0.5 - 1.04mm checking act rod movement 0.33 - 1.27mm attitude settings: Comp = 340 degrees turb = 20 CRR = 40 SPIG = 360 brkt = high. HX40W-I8284 I/JB19 jd8 for 6C keec application. With high actuator bracket position setting/checking pressure 1.84 BAR setting act rod movement 0.5 - 1.04mm checking act rod movement 0.33 - 1.27mm.
1	(4089274)	Kit, Turbocharger	1	
1	(3597311)	Turbocharger	1	
2	3755843	Gasket, Turbocharger	1	
3	3937706	Gasket, Oil Drain	1	
4	3818823	Stud	4	
5	3818824	Nut, Hexagon Flange	4	M10 x 1.50



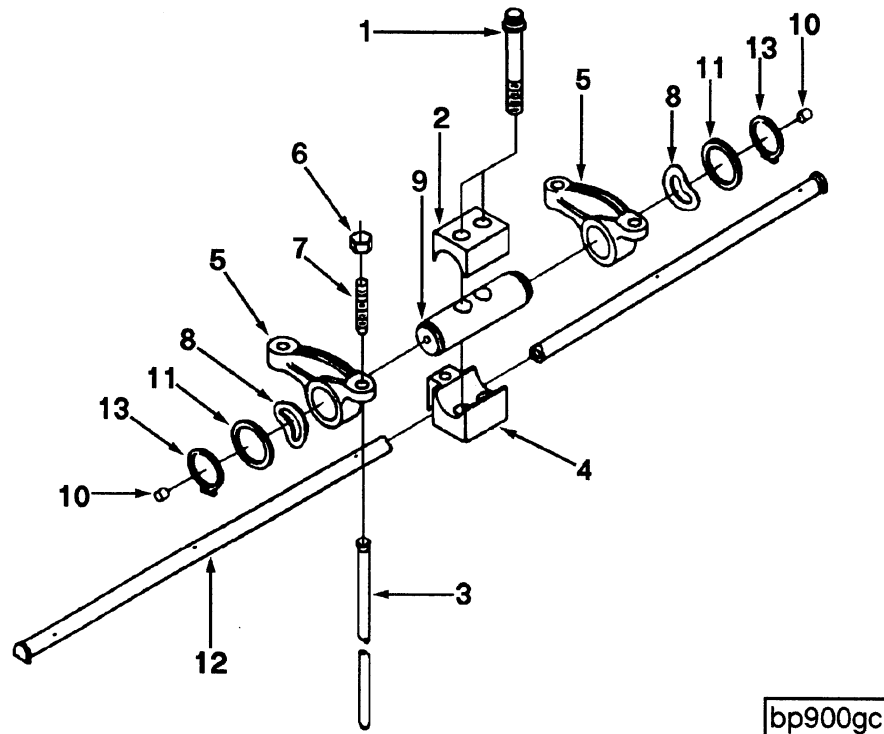
Ref No.	Part Number	Part Name	Req	Remarks
		INJECTOR PLUMBING OPTION PP98268		
				Fuel Pump Manufacturer/Model: Bosch P3000 Fuel Pump Governor: RSV CPL: 2995, 2996, 2997, 8145, 8146, 8185, 8197, 8211, 8222, 8292, 8307 High Pressure Tube ID: 1.8 Fixed clamp location from top of cylinder head: 11mm for clamping to intake cover 31mm for clamping to intake connection.
	(3930388)	Tube, Injector Fuel Supply	1	
1	3282942	Brace, Tube	1	
2	3917747	Isolator, Vibration	4	
3	3919622	Brace, Tube	1	
4	3920854	Screw, Captive Washer Cap	4	M5 x 0.80 x 20
5	3930391	Tube, Injector Fuel Supply	1	
6	3930392	Tube, Injector Fuel Supply	1	
7	3930393	Tube, Injector Fuel Supply	1	
8	(3991275)	Brace, Tube	2	
	(3930389)	Tube, Injector Fuel Supply	1	
1	3282942	Brace, Tube	1	
2	3917747	Isolator, Vibration	4	
4	3920854	Screw, Captive Washer Cap	5	M5 x 0.80 x 20
8	(3991275)	Brace, Tube	2	
9	3917746	Isolator, Vibration	2	
10	(3991277)	Brace, Tube	1	
11	3930394	Tube, Injector Fuel Supply	1	
12	3930395	Tube, Injector Fuel Supply	1	
13	3930396	Tube, Injector Fuel Supply	1	
14	(3991276)	Brace, Tube	1	



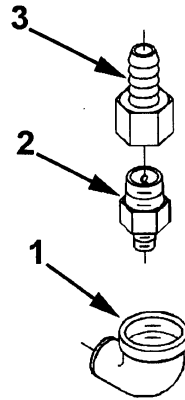
Ref No.	Part Number	Part Name	Req	Remarks
		TURBOCHARGER OPTION PP98284		Based ID17 turbocharger: 3598263 Wastegate pressure setting (BAR): TBD Attitudes: Compressor angle: TBD deg Turbine angle: TBD degrees SPIG angle: TBD degrees Fixed compressor angles by exhaust orientation (calculated): HMFO: TBD degrees Relative to the engine HMRO: TBD degrees Relative to the engine LMFO: TBD degrees Relative to the engine LMRO: TBD degrees Relative to the engine wastegate capsule spigot location by exhaust orientation (calculated): HMFO: TBD (x,y,z) coordinates to the engine HMRO: TBD (x,y,z) coordinates to the engine LMFO: TBD (x,y,z) coordinates to the engine LMRO: TBD (x,y,z) coordinates to the engine mounting flange geometry: Single scallop Turbine outlet flange type: Half Marmon Turbocharger CPR outlet flange type: Half Marmon Exhaust flange outlet location: From turbocharger mounting flange centerline to exhaust outlet (mm): 95 CPL: TBD. HX40W for Cummins Darlington application (205 HP6B for jcb). HX40W-I8284 I/FA17 jd8 for Cummins Darlington application (205 HP6B for jcb).
1	4089321 (3598263)	Kit, Turbocharger	1	
2	3755843	Turbocharger	1	
3	3937706	Gasket, Turbocharger	1	
4	3818823	Gasket, Oil Drain	1	
5	3818824	Stud	4	
		Nut, Hexagon Flange	4	M10 X 1.50.



Ref No.	Part Number	Part Name	Req	Remarks
		TURBOCHARGER OPTION PP98304		Engine Design: Tier 2 Engine Family: C Cylinders: 6 Based ID17 Turbocharger: 3597311 Wastegate pressure setting (BAR): 1.84 Attitudes - Compressor angle: 340 degrees Turbine angle: 20 degrees SPIG angle: 0 degrees Fixed compressor angles by exhaust orientation (calculated) - HMFO: 180 degrees relative to the engine HMRO: 360 degrees relative to the engine LMFO: N/A LMRO: N/A Wastegate capsule spigot location orientation: Low HMFO: TBD HMRO: (-274.8,503.0,-291.0) LMFO: N/A LMRO: N/A Mounting flange geometry: Single scallop Turbine outlet flange type: Half Marmon Turbocharger CPR outlet flange type: Half Marmon Exhaust flange outlet location: From turbocharger mounting flange centerline to exhaust outlet (mm): 95 CPL: 2995,2996,8185,8197,8211,8292 HX40W for 6C cnh/Cummins HMRO application attitudes: C - 340 degrees t - 20 degrees CRR - 40 degrees SPIG - 360 degrees low position actuator bracket setting/checking pressure 1.84 BAR setting act rod movement 0.5 - 1.04mm checking act rod movement 0.33 - 1.27mm. HX40W-I8284 I/JB19 jd8 for cnh/Cummins HMRO with low actuator bracket position setting/checking pressure 1.84 BAR setting act rod movement 0.5 - 1.04mm checking act rod movement 0.33 - 1.27mm. Komatsu
1	(4089274)	Kit, Turbocharger	1	
	(3597311)	Turbocharger	1	
2	3755843	Gasket, Turbocharger	1	
3	3937706	Gasket, Oil Drain	1	
4	3818823	Stud	4	
5	3818824	Nut, Hexagon Flange	4	M10 x 1.50

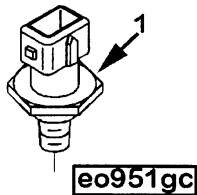


Ref No.	Part Number	Part Name	Req	Remarks
		ROCKER LEVER OPTION RL9732		
1	3901617	Screw, Twelve Point Cap	12	Engine Family: "C" Series. M10 X 1.50 X 65.
2	3901693	Clamp, Retaining	6	
3	3905194	Rod, Push	12	
4	3905870	Support, Rocker Lever	6	
	3901717	Lever, Rocker	12	
5	(3926429)	Lever, Rocker	1	
6	3927692	Nut, Heavy Hexagon	1	
7	(3937438)	Screw, Rkr Lever Adjusting	1	
	(3902588)	Insert, Rocker Lever	1	
8	3906100	Washer, Spring	12	
	3919435	Shaft, Rocker Lever	6	
9	(3919433)	Shaft, Rocker Lever	1	
10	3919434	Rivet	1	
11	3907206	Washer, Plain	12	M22.
12	3919677	Manifold, Oil	1	
13	3901764	Ring, Retaining	12	

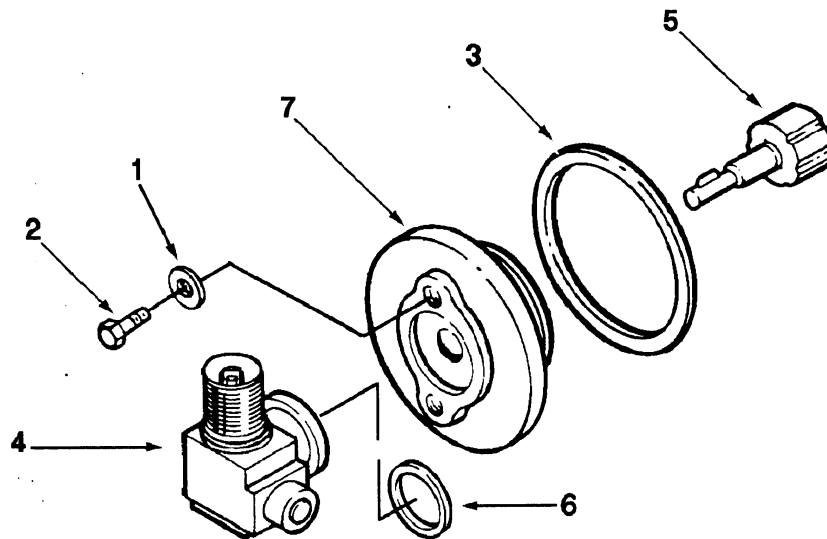


rp950gh

Ref No.	Part Number	Part Name	Req	Remarks
		ENGINE COOLANT VENT OPTION RP9031		
1	167164	Elbow, Plain Street Pipe	1	Vent arrangement: Jiggle pin w/check valve Vent connection location: Front of Cyl Head -From crank centerline to connection centerline: 565.0mm -From engine centerline to connection centerline: 176.0mm -From front face of block to connection centerline: 114.5mm.
2	3911901	Valve, Check	1	
3	3911925	Coupling, Plain Hose	1	

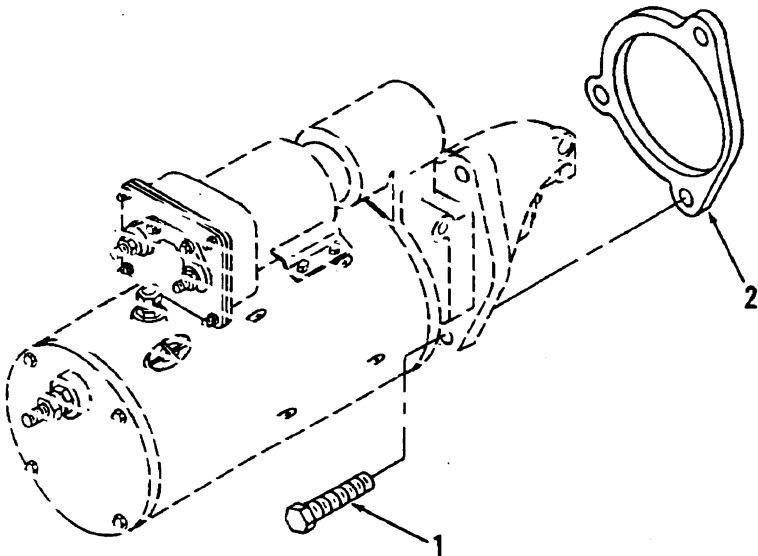


Ref No.	Part Number	Part Name	Req	Remarks
1	3283850	OIL PRESSURE SWITCH OPTION SD9076 Switch, Pressure	1	Operating Voltage: 12/24 Opening pressure (BAR): 0.27-0.52 Installation thread size: 1/8in NPTF Location: #2 Oil Rifle Hole Electrical Connector: 2.8mm blade Includes adaptor to allow installation into M10 hole in cylinder block oil rifle Due to inaccessibility, this option cannot be used with an air compressor.



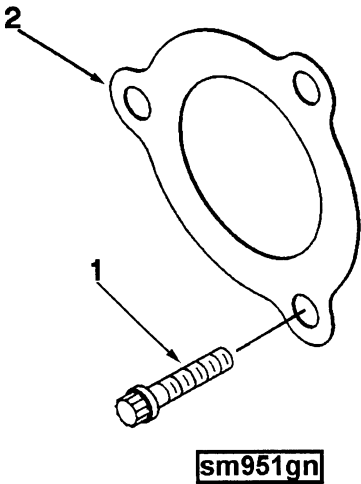
ei910gc

Ref No.	Part Number	Part Name	Req	Remarks
		TACHOMETER DRIVE OPTION SD9088		Drive type: Tang Drive size (mm): 4.76 (0.187in) drive Drive locations: 30 deg CW From engine centerline: 222.3mm From crank centerline: 366.1mm From front face of block: 98.2mm Adapter Thread Size: 7/8-18- Ns-2 A Adapter Angle: 90 Degrees. 1/4 Inch. M6 X 1.00 X 12.
1	62392	Washer, Plain	2	
2	3027685	Screw, Hexagon Head Cap	2	
3	3903475	Seal, Rectangular Ring	1	
4	3914132	Adapter, Angle Drive	1	
5	3917333	Hub, Tac Drive Coupling	1	
6	3915800	Seal, Rectangular Ring	1	
7	3918215	Adapter, Tac Takeoff Drive	1	

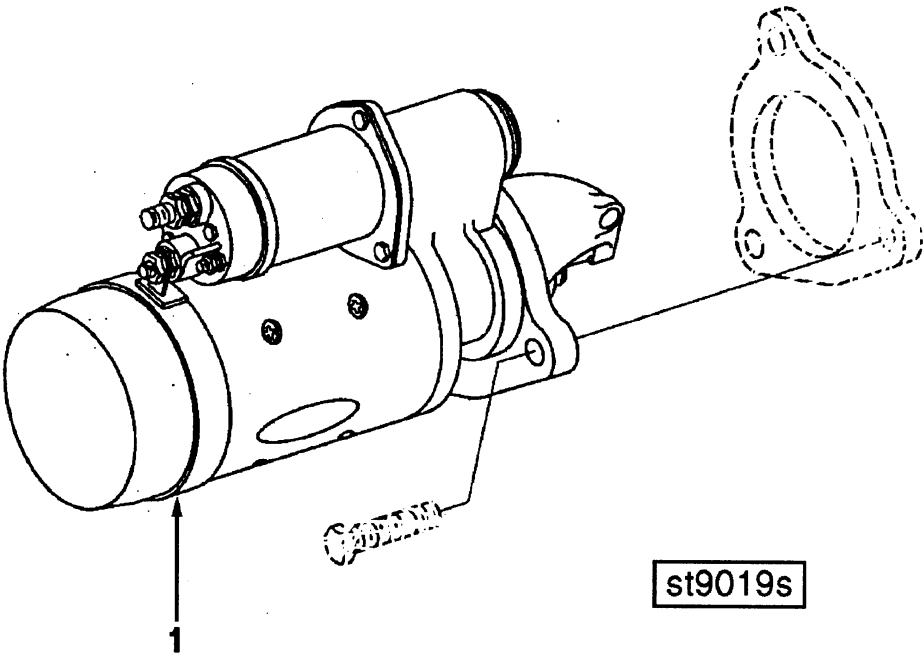


sm9009a

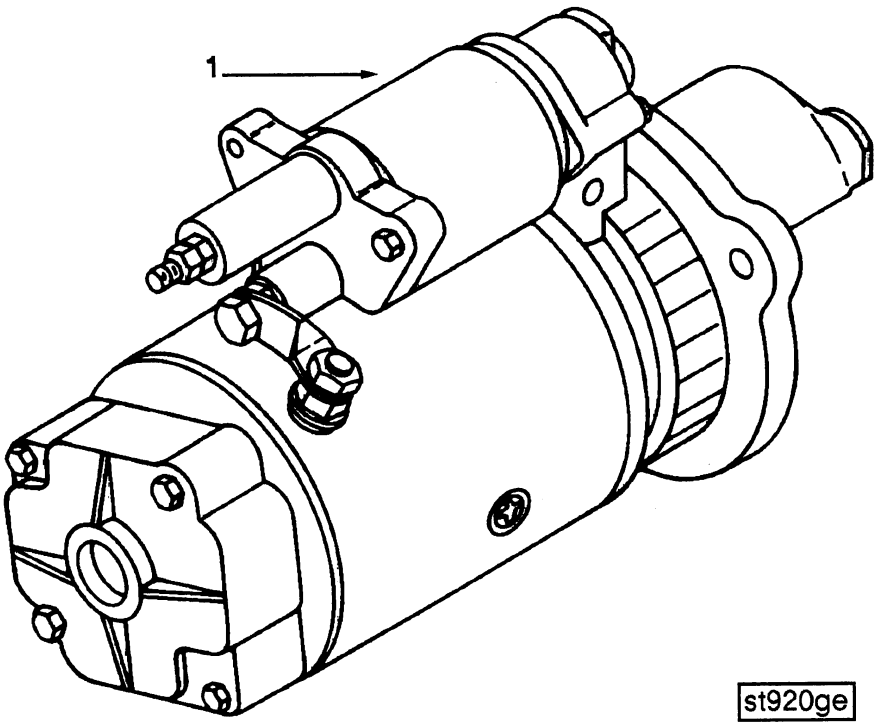
Ref No.	Part Number	Part Name	Req	Remarks
		STARTING MOTOR MOUNTING OPTION SM9780		
1	3908321	Screw, Twelve Point Cap	3	Thread size: M12 Item Supplied: Gasket Not Included Spacer thickness (mm): 6mm Spacer mounting flange SAE type: SAE#3 - 3 bolt 120 Spacer included: Yes Spacer male pilot diameter (mm): 106 Spacer female pilot diameter (mm): 92.05 Mounting hardware supplied: 3 capscrews Mounting hardware supplier: Cummins. M12 X 1.75 X 50.
2	3918892	Spacer, Starting Motor	1	



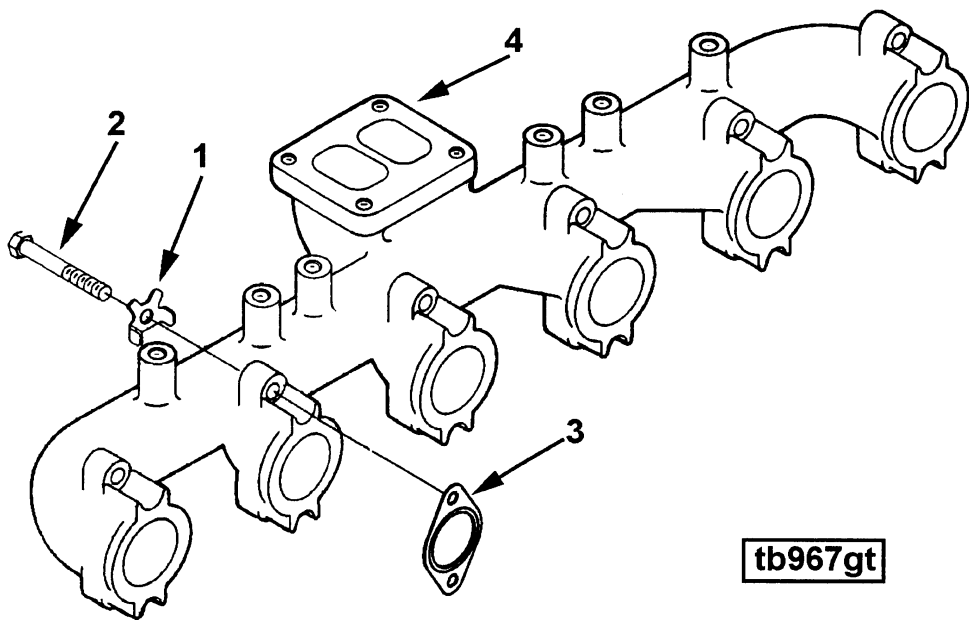
Ref No.	Part Number	Part Name	Req	Remarks
		STARTER MOTOR MOUNTING OPTION SM9782		
1	3908321	Screw, Twelve Point Cap	3	Thread Size: M12 Mounting Hardware Supplied: 3 Capscrews Item Supplied: Gasket for Sealing Spacer Included: No
2	3931622	Gasket, Starter	1	M12 X 1.75 X 50.



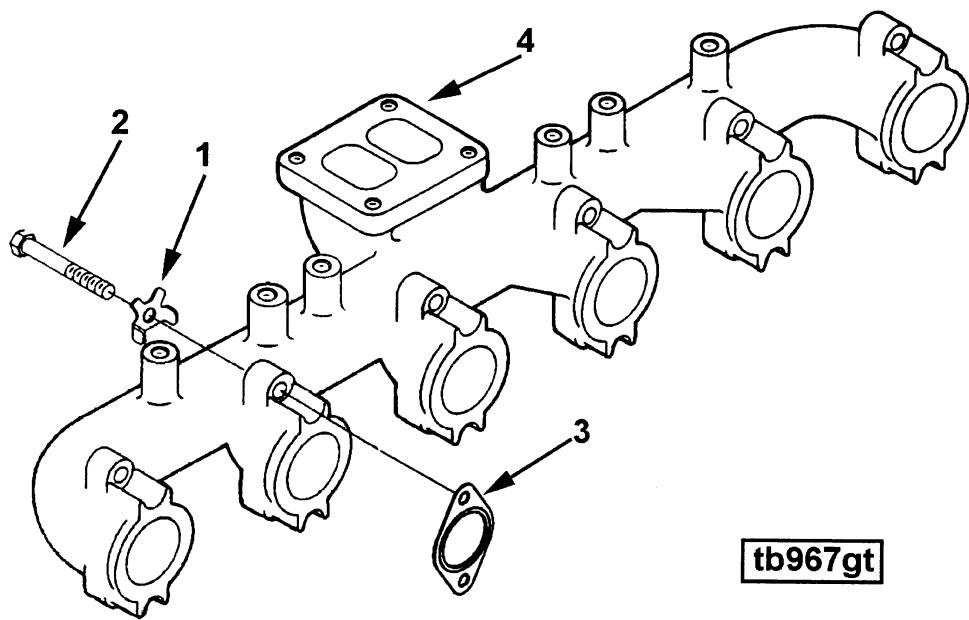
Ref No.	Part Number	Part Name	Req	Remarks
		STARTING MOTOR OPTION ST9209		Starter style: Barrel Manufacturer: Delco Remy Model: 42 MT Voltage: 24 Kilowatt rating: TBD Nameplate brand: Cummins Pinion gear diametrical pitch: 8/10 Pinion gear outside diameter (mm): 46.36 Pinion gear offset (mm): 0 Mounting flange type: SAE#3 - 3 bolt 120 Frame size diameter (mm): 130 Pilot diameter (mm): 92.05 Starter motor length (mm): 394 Max engine mounted angle (degrees): 127.5 Min engine mounted angle (degrees): 307.5 Sealing Provision: Sealed Supply method: Mounted Removal length (mm): 102.6.
1	3938502	Motor, Starting	1	



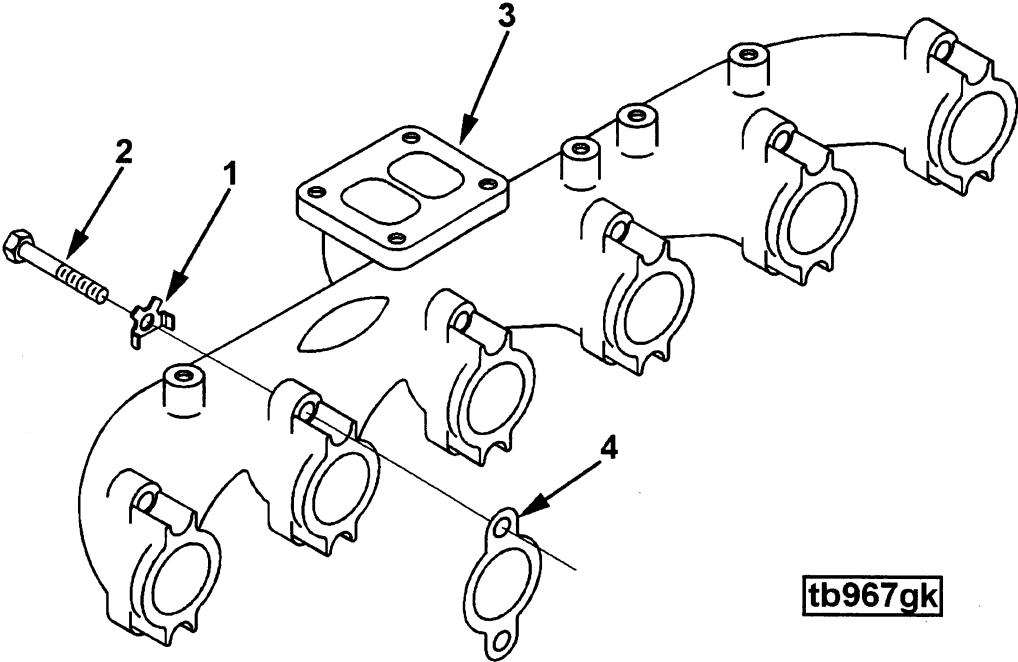
Ref No.	Part Number	Part Name	Req	Remarks
		STARTING MOTOR OPTION ST9213		
1	3283814	Motor, Starting	1	Starter style: Gear Reduction Manufacturer: Nippondenzo Model: 22800 ST0921300 Voltage: 24 Kilowatt rating: TBD Nameplate brand: Nippondenzo Pinion gear diametrical pitch: 8/10 Pinion gear outside diameter (mm): 40.38 Pinion gear offset (mm): 3.11 Mounting flange type: SAE#3 - 3 bolt 120 Frame size diameter (mm): 124 Pilot diameter (mm): 92.05 Starter motor length (mm): 244 Max engine mounted angle (degrees): 71 Min engine mounted angle (degrees): 41 Sealing Provision: Sealed Supply method: Mounted Removal length (mm): 47.8.



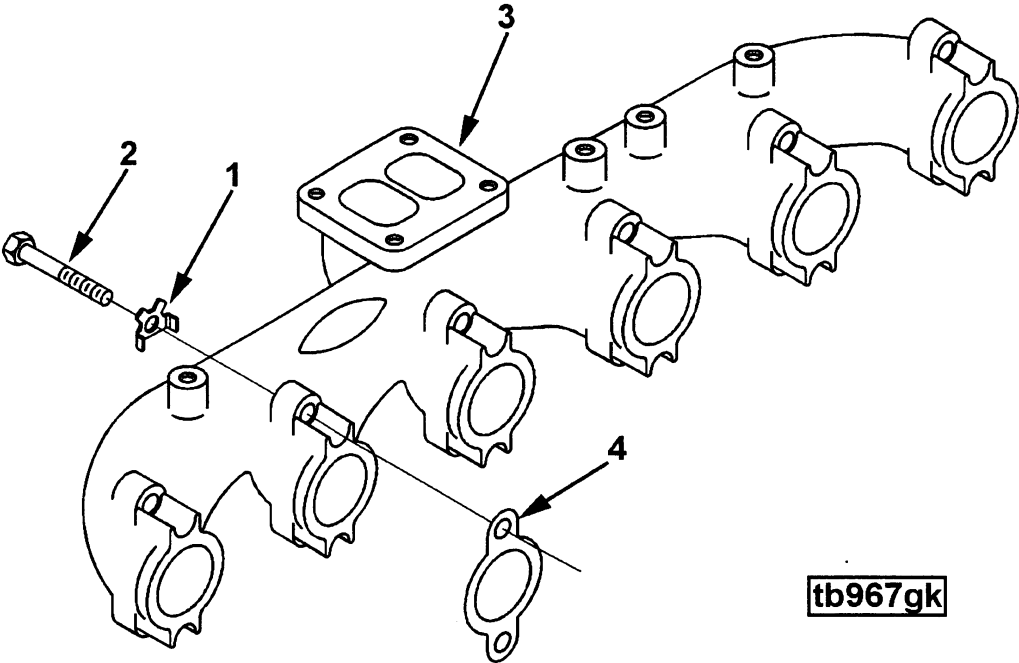
Ref No.	Part Number	Part Name	Req	Remarks
		EXHAUST MANIFOLD OPTION TB97067		Design Phase: T2 C Engine Family: C Engine Cylinders: 6 Turbocharger location: HMFO Exhaust manifold turbocharger mounting flange location from exhaust mounting flange to turbocharger mounting flange centerline: -95.5 from center From center of #1 exhaust port to top of turbocharger mounting flange: 83.5 From turbocharger mounting flange to centerline of port #1: -315.75 Customer mounting boss qty: 6 Mounting boss locations from exhaust port #1(mm): Boss #1 (-96, 56.5, -98.5) Boss #2 (-96, 56.5, -191) Boss #3 (-96, 56.5, -241) Boss #4 (-96, 56.5, -444) Boss #5 (-96, 56.5, -494) Boss #6 (-96, 56.5, -587) Manifold Type: Dry Manifold material standard horsepower requirement: < = 200 This option cannot be used on engines which exceed 200 HP Manifold style: 1 piece Turbocharger mounting flange geometry: 82.5 x 70 Turbocharger flange style: Rectangular Turbocharger flange angle from vertical: 0.
1	3914708	Lockplate	12	
2	3929537	Screw, Hexagon Head Cap	12	
3	3932063	Gasket, Exhaust Manifold	6	
4	3932180	Manifold, Exhaust	1	M10 x 1.50 x 70.



Ref No.	Part Number	Part Name	Req	Remarks
		EXHAUST MANIFOLD OPTION TB97070		Design Phase: T2 C Engine Family: C Engine Cylinders: 6 Turbocharger location: HMFO Exhaust manifold turbocharger mounting flange location From exhaust mounting flange to turbocharger mounting flange centerline: -95.5 From center of #1 exhaust port to top of turbocharger mounting flange: 83.5 From turbocharger mounting flange to centerline of port #1: -315.75 Customer mounting boss qty: 6 Mounting boss locations from exhaust port #1mm: Boss #1 Boss #1 (-96, 56.5, -98.5) Boss #2 (-96, 56.5, -191) Boss #3 (-96, 56.5, -241) Boss #4 (-96, 56.5, -444) Boss #5 (-96, 56.5, -494) Boss #6 (-96, 56.5, -587) Manifold Type: Dry Manifold Material: Permium Horsepower Requirement: Greater than 200 This option must be used on engines which exceed 200 BHP to satisfy Cummins design requirement to avoid manifold cracking with excessive turbine inlet temperatures and may be used on engines that do not exceed 200 BHP to satisfy a customer duty cycle where there may be excessive turbine inlet temperatures within their specific operating range or for sustained operation at altitudes above 5,000 FT. Manifold style: 1 piece Turbocharger mounting flange geometry: 82.5 x 70 Turbocharger flange style: Rectangular Turbocharger flange angle from vertical: 0.
1	3914708	Lockplate	12	
2	3929537	Screw, Hexagon Head Cap	12	
3	3932063	Gasket, Exhaust Manifold	6	
4	3932180	Manifold, Exhaust	1	

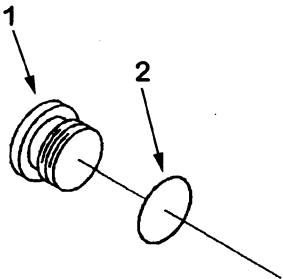


Ref No.	Part Number	Part Name	Req	Remarks
		EXHAUST MANIFOLD OPTION TB97072		Turbocharger exhaust location: HMRO Customer mounting bosses: 4 Manifold Material: Standard horsepower requirement < = 200 This option cannot be used on engines which exceed 200 BHP. Exhaust manifold turbocharger mounting flange offset: 0 Exhaust manifold turbocharger mounting flange location: From exhaust manifold mounting flange to turbocharger mounting flange centerline: -53.3 From center of #1 port to top of turbocharger mounting flange: 61 From exhaust manifold mounting flange to centerline of port #1: 289.4.
1	3914708	Lockplate	12	
2	3929537	Screw, Hexagon Head Cap	12	M10 x 1.50 x 70.
3	3931441	Manifold, Exhaust	1	
4	3932063	Gasket, Exhaust Manifold	6	



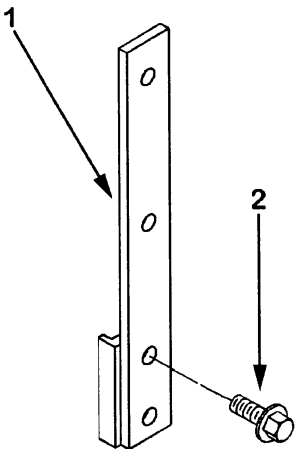
tb967gk

Ref No.	Part Number	Part Name	Req	Remarks
		EXHAUST MANIFOLD OPTION TB97073		Design Phase: Tier 2 Engine Family: C Engine Cylinders: 6 Turbocharger location: HMRO Exhaust Manifold Turbocharger Mounting Flange Location From exhaust mounting flange to turbo mounting flange centerline (mm): -53.3 From center of #1 exhaust port to top of turbo mounting flange (mm): 61 From turbo mounting flange to centerline of port #1 (mm): 289.4 Customer Mounting Boss Qty: 4 Mounting Boss Location From Exhaust Port #1(mm): Boss #1 Boss #1 (-06, 56.5, 98.5) Boss #2 N/A Boss #3 N/A Boss #4 (96, 56.6, -444) Boss #5 (96, 56.5, -494) Boss #6 (96, 56.5, -587) Manifold Type: Dry Manifold Material: Premium Horsepower Requirement: More than 200 Manifold Style: 1 piece Egr Port Provision: N/A Turbocharger mounting flange geometry: 82.5 x 70 Turbocharger flange style: Rectangular Turbocharger flange angle from vertical: 0 Note - Constant for Horsepower Requirement This option must be used on engines which exceed 200BHP to satisfy Cummins design requirement to avoid manifold cracking with excessive turbine inlet temperatures and may be used on engines that do not exceed 200HBP to satisfy a customer duty cycle where there may be excessive turbine inlet temperatures within their specific operating range or for sustained operation at altitudes above 5,000 FT.
1	3914708	Lockplate	12	
2	3929537	Screw, Hexagon Head Cap	12	
3	3931441	Manifold, Exhaust	1	
4	3932063	Gasket, Exhaust Manifold	6	
				M10 x 1.50 x 70.



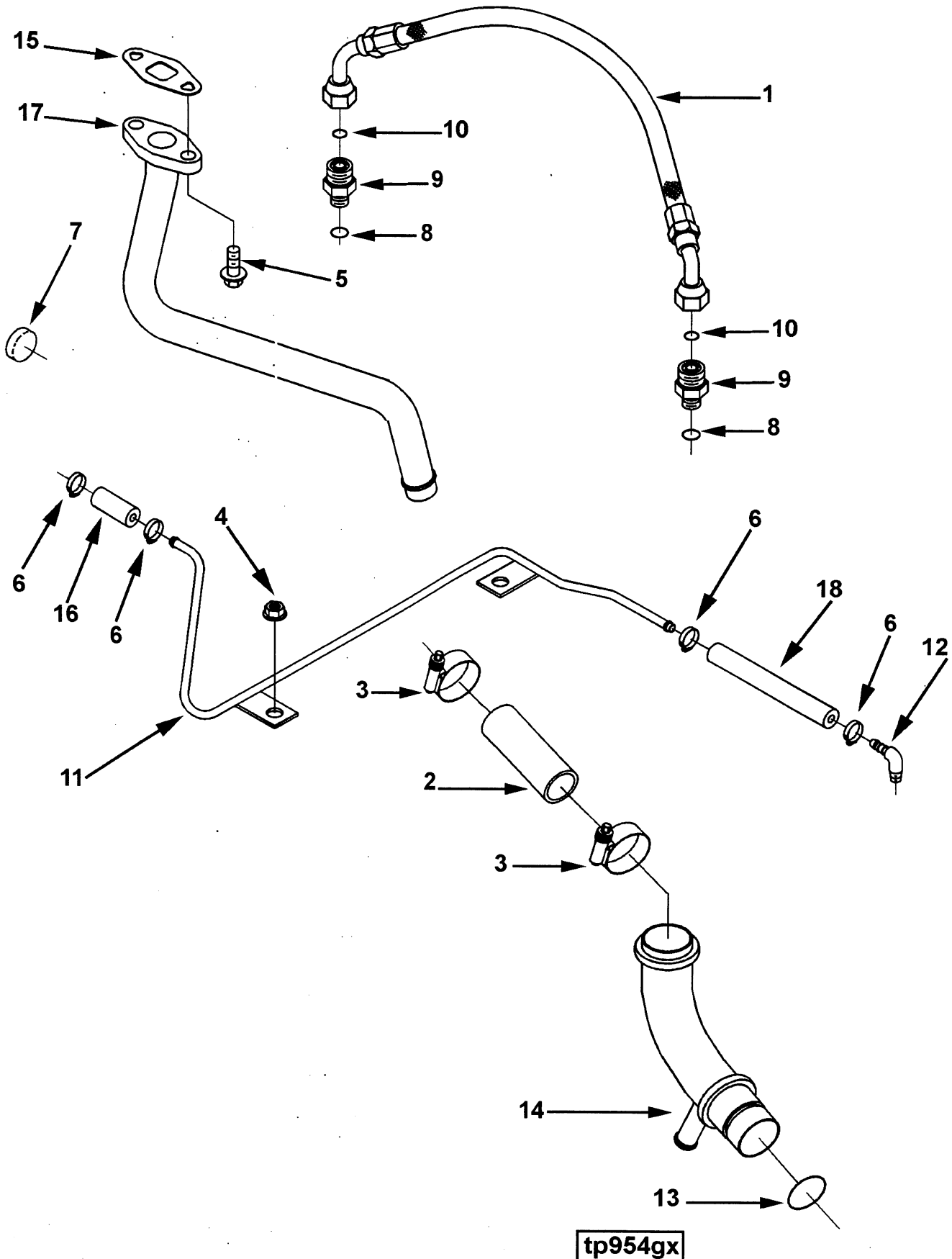
tk940gg

Ref No.	Part Number	Part Name	Req	Remarks
		TORQUE CONVERTER OIL COOLE OPTION TK9022		
1	3089238 (3089239)	Plug, Threaded	2	For use when no external bypass is required for torque converter cooler.
2	3089240	Plug, Threaded Seal, O Ring	1 1	M22 x 1.50 x 15.5 M22 x 1.50 x 15.5

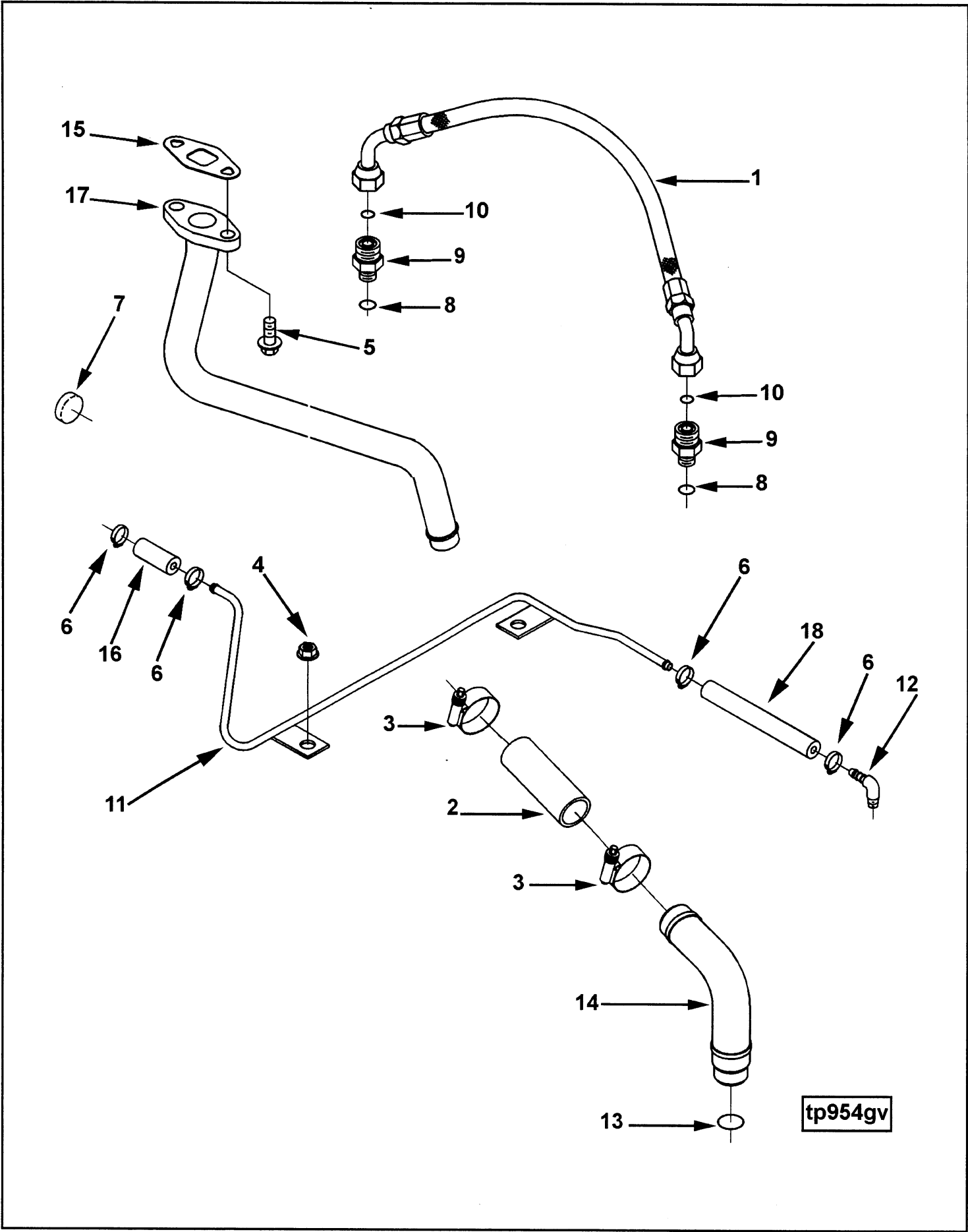


tl941ge

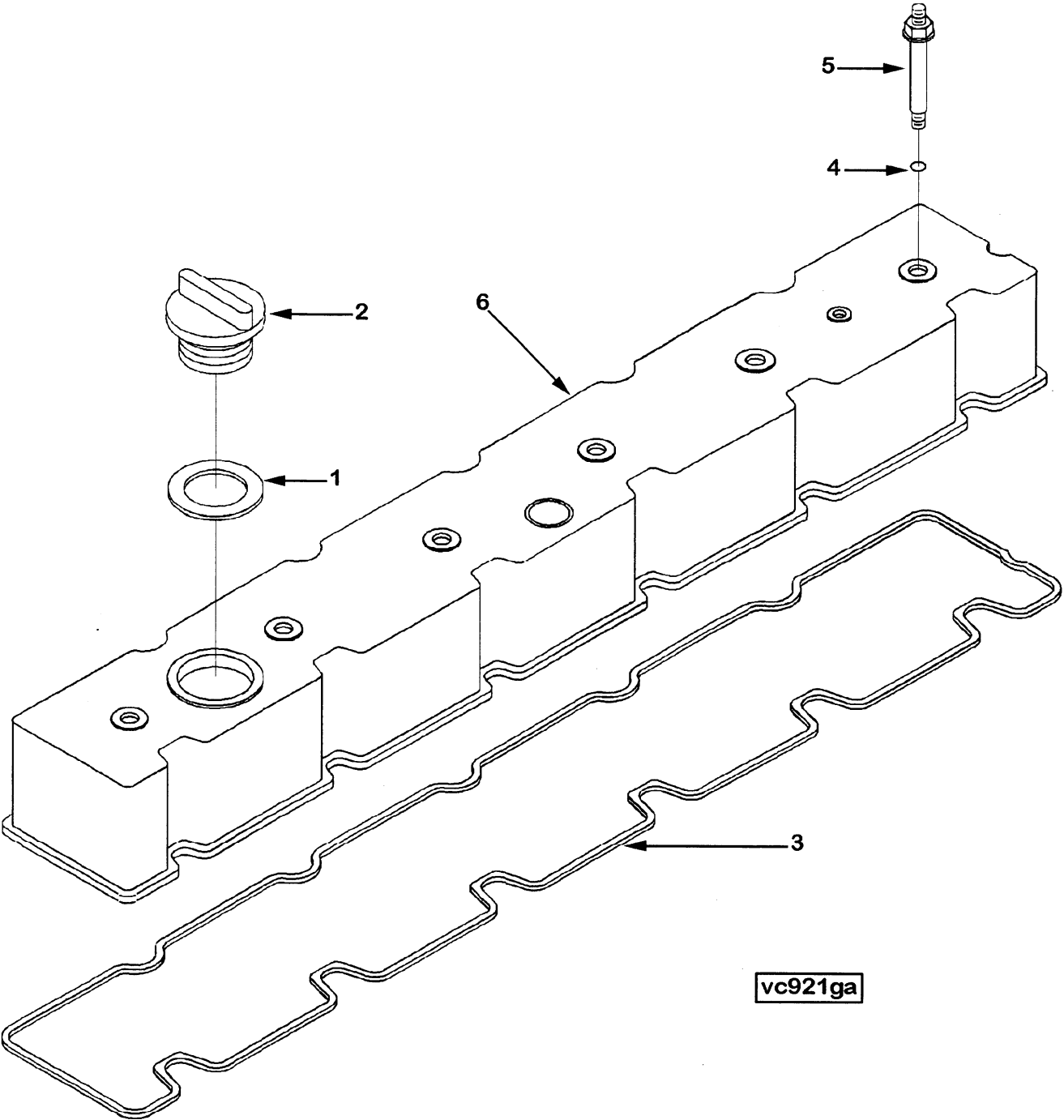
Ref No.	Part Number	Part Name	Req	Remarks
		THROTTLE LEVER OPTION TL9091		
1	3282839	Lever, Throttle	1	Throttle lever to fuel pump connection interface: 2 x m6 on 25mm center Lever type: Throttle lever extension Attachment hole quantity: 3 Attachment hole diameter(mm): 6.2 thru Lever overall length (mm): 163.5.
2	3913638	Screw, Hex Flange Head Cap	2	M6 x 1.00 x 16 (3991306)



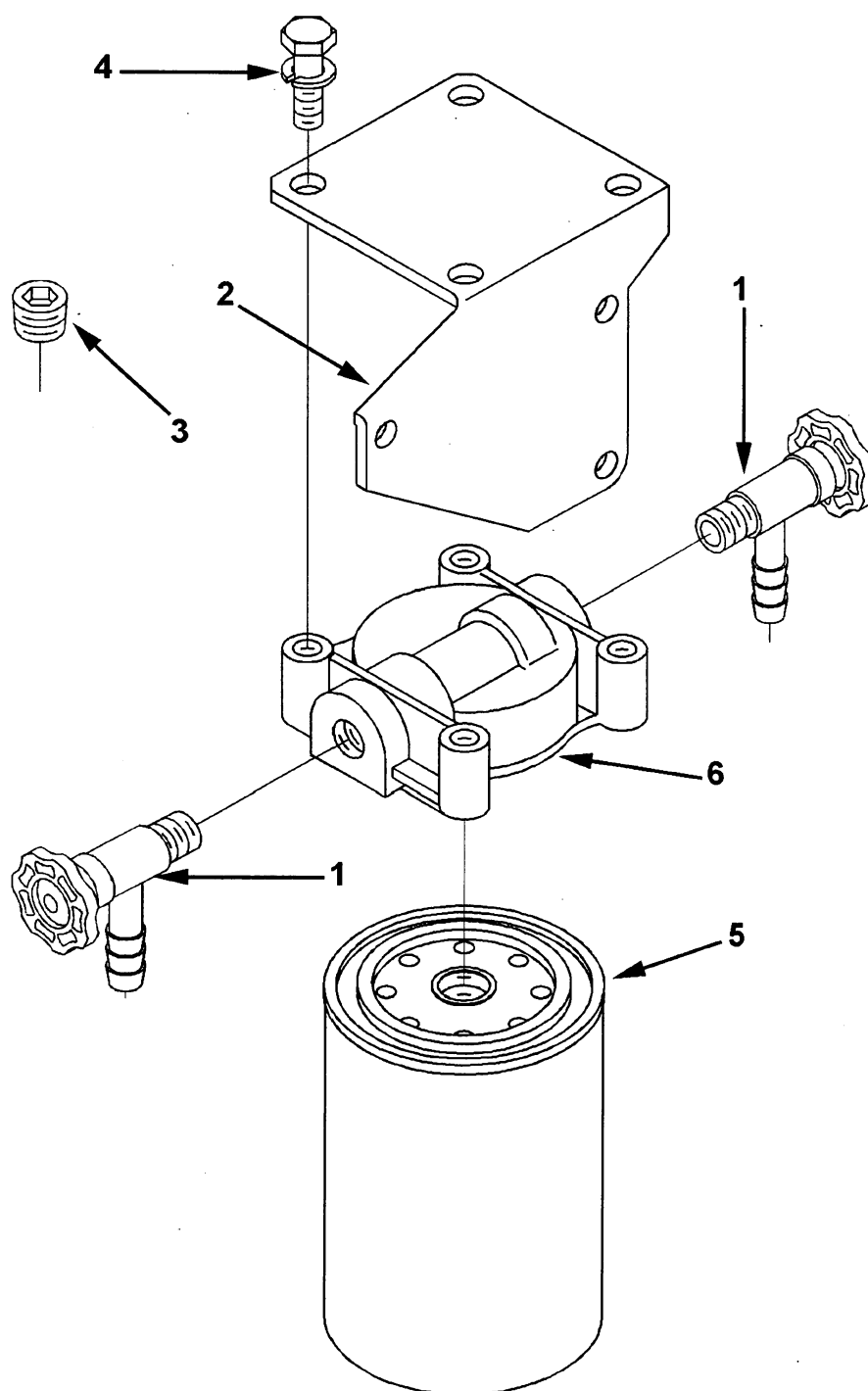
Ref No.	Part Number	Part Name	Req	Remarks
		TURBOCHARGER PLUMBING OPTION TP97175		Engine Family: "C" Series Structure Code: 03 EBM Engine Cylinders: 6 Turbocharger exhaust location: HMFO exhaust Exhaust location from front face of block (mm): -254.2 Exhaust vert location from crank centerline (mm): 602.65 Exhaust horiz loc from crank centerline(mm): -377.8 Block drain location: Front Wastegate capsule spigot location from engine centerline (mm): -90.7 From crank centerline (mm): -695.6 From front face of block (mm): -627.7 Wastegate boost to AFC connection tee in cylinder head from engine centerline (mm): 195 From crank centerline (mm): 455 From front face of block (mm): -359 Includes provision to plumb block mounted breather vent
1	3282158	Hose, Flexible	1	
2	3286499	Hose, Plain	1	
3	3412320	Clamp, Hose	2	
4	3900589	Nut, Hexagon Flange	2	M8 x 1.25
5	3900630	Screw, Hex Flange Head Cap	2	M8 x 1.25 x 20
6	3914420	Clamp, Hose	4	10.5 - 13mm.
7	3920706	Plug, Expansion	1	
	3922789	Connector, Male	2	
8	3678603	Seal, O Ring	1	
9	(3922790)	Connector, Male	1	M12 x 1.50 x 11/16-16
10	3922794	Seal, O Ring	1	
11	3934473	Tube, Air Fuel Control	1	
12	3927317	Coupling, Elbow Hose	1	
13	3931824	Seal, O Ring	1	
14	3948079	Tube, Tur Oil Drain	1	
15	3937706	Gasket, Oil Drain	1	
16	3938056	Hose, Plain	1	
17	3939336	Connection, Tur Oil Drain	1	
18	3991038	Hose, Plain	1	



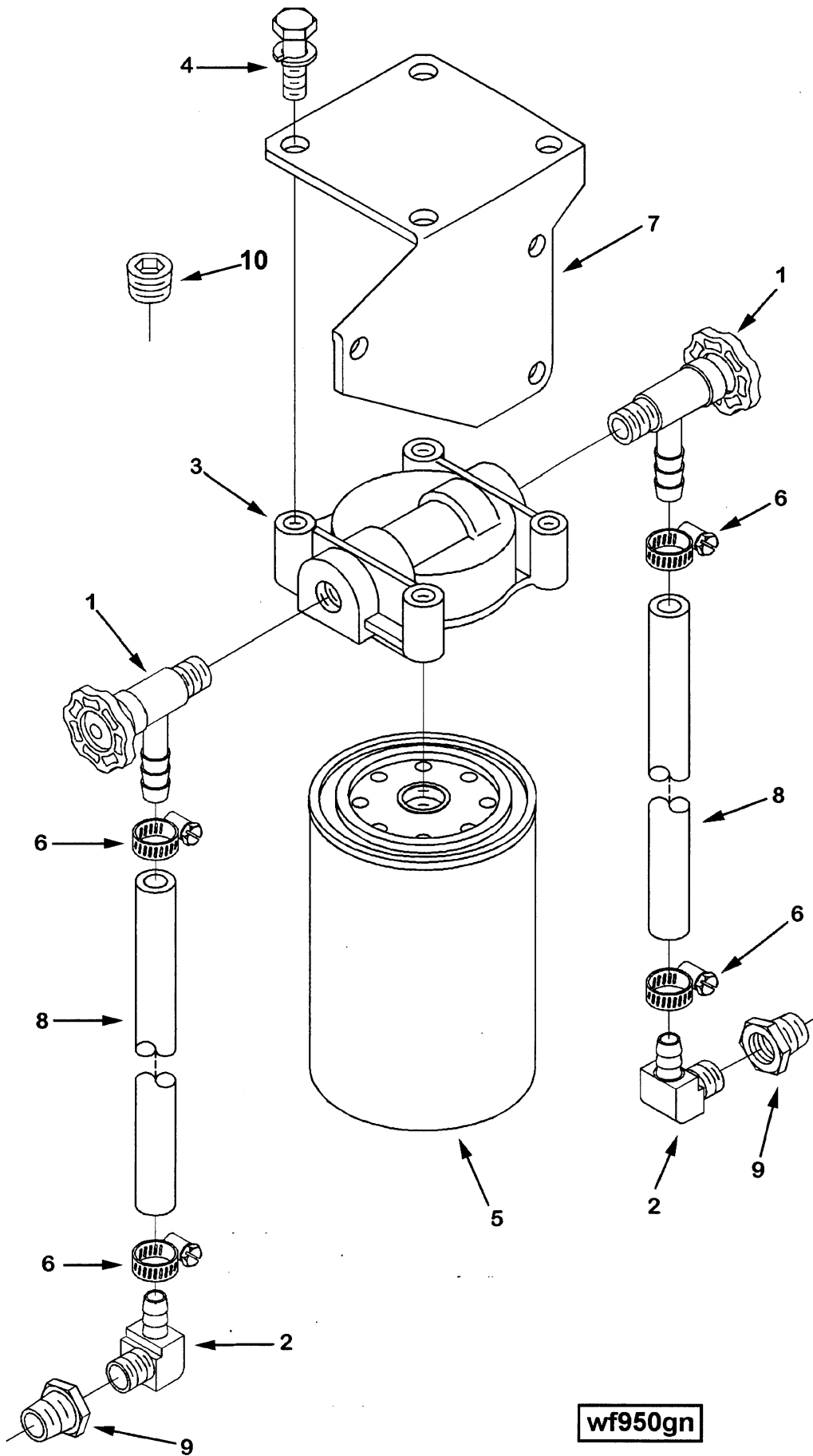
Ref No.	Part Number	Part Name	Req	Remarks
		TURBOCHARGER PLUMBING OPTION TP97204		Design Phase: Tier 2 Engine Family: C Engine Cylinder: 6 Turbocharger exhaust outlet location: HMFO From engine centerline (mm): -377.8 From crank centerline (mm): 602.65 From front face of block (mm): -254.2 Supply Line Routing: Outboard Drain Line Location: Front From eng centerline (mm): -118.17 From crank centerline (mm): 112.26 From front face of block (mm): -443.50 Wastegate Capsule Spigot Location: From eng centerline (mm): -90.7 From crank centerline (mm): -695.6 From front face of block (mm): -627.7 Wastegate Boost to AFC Connection Location: Cylinder head from engine From engine centerline (mm): 192.0 From crank centerline (mm): 455.2 From front face of block (mm): -359.0 Block mounted breather vent plumbing provision: Yes Drain line type: Rigid Bearing housing cooling provision: Oil Does not include provision to plumb block mounted breather vent.
1	3282158	Hose, Flexible	1	
2	3286499	Hose, Plain	1	
3	3412320	Clamp, Hose	2	
4	3900589	Nut, Hexagon Flange	2	M8 x 1.25
5	3900630	Screw, Hex Flange Head Cap	2	M8 x 1.25 x 20
6	3914420	Clamp, Hose	4	10.5 - 13mm.
7	3920706	Plug, Expansion	1	
	3922789	Connector, Male	2	
8	3678603	Seal, O Ring	1	
9	(3922790)	Connector, Male	1	M12 x 1.50 x 11/16-16
10	3922794	Seal, O Ring	1	
11	3934473	Tube, Air Fuel Control	1	
12	3927317	Coupling, Elbow Hose	1	
13	3931824	Seal, O Ring	1	
14	3931973	Tube, Tur Oil Drain	1	
15	3937706	Gasket, Oil Drain	1	
16	3938056	Hose, Plain	1	
17	3939336	Connection, Tur Oil Drain	1	
18	3991038	Hose, Plain	1	



Ref No.	Part Number	Part Name	Req	Remarks
		VALVE COVER OPTION VC9147		Oil fill location: Front Breather Vent Tube Location: Between 3 And 4 Cylinder Noise reduction provision: No Family: "C" Series.
1	3902466	Seal, Rectangular Ring	1	
2	3902468	Cap, Filler	1	
3	3905449	Seal, Rocker Lever Cover	1	
4	3910824	Seal, O Ring	6	
5	3922639	Screw, Hex Flange Head Cap	6	M8 x 1.25 x 56.
6	3930903	Cover, Valve	1	

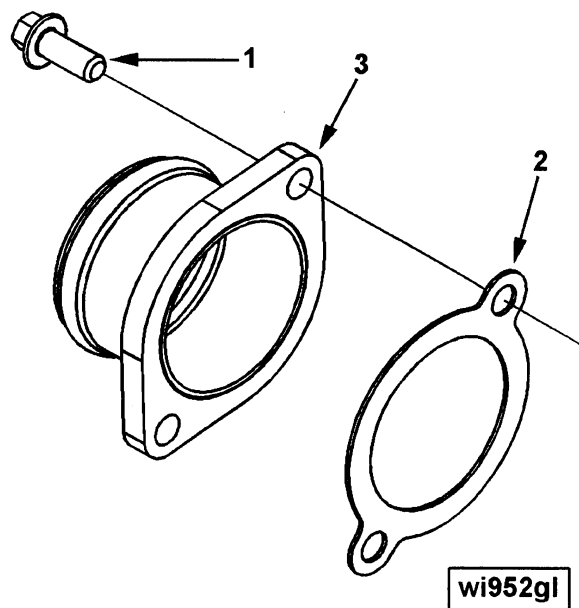
**wf950go**

Ref No.	Part Number	Part Name	Req	Remarks
		CORROSION RESISTOR OPTION WF9077		Element Type: Spin-On Inhibitor Type: 12 Units DCA4+ Filter dimensions (mm): 93.7 OD x 137.5 length Removal distance (mm): 13.0 Filter Mounting Location: Supplied In Kit Centerline of engine to centerline of filter (mm): N/A Centerline of crank to top of filter (mm): N/A Front face of block to engine to centerline of filter (mm): N/A Decal included: No Unique Characteristics: Includes filter head, mounting bracket and 2 shut-off valves for customer mounting.
1	179901	Valve, Shutoff	2	
2	(204163)	Head, Corrosion Resistor	1	Purchase directly from Fleetguard
3	3008469	Plug, Pipe	4	3/4 NPT Not this version
4	3010596	Screw, Captive Washer Cap	4	3/8 - 16 X 1 1/4 Inch.
5	3100307	Resistor, Corrosion	1	Purchase directly from Fleetguard
6	3920552	Bracket, Filter	1	

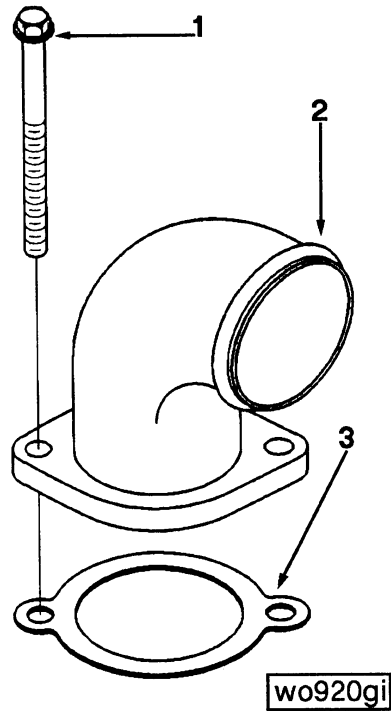


wf950gn

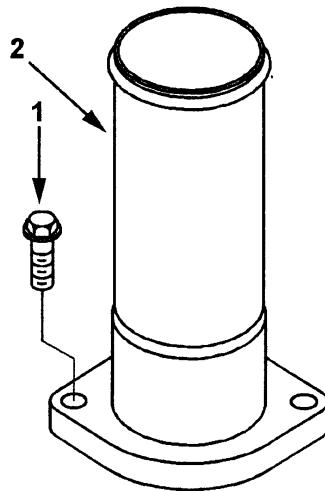
Ref No.	Part Number	Part Name	Req	Remarks
		CORROSION RESISTOR OPTION WF9082		Element Type: Spin-On Inhibitor Type: 8 Units DCA4 + Filter dimensions (mm): 93.8 OD x 105.4 length Removal distance (mm): 15.5 Filter Mounting Location: Exhaust Side Centerline of engine to centerline of filter (mm): -322.4 Centerline of crank to top of filter (mm): 187.8 Front face of block to engine to centerline of filter (mm): -283.3 Decal included: No Unique Characteristics: Mounts onto oil cooler cover, plumbed to engine with flexible lines.
1	179901	Valve, Shutoff	2	
2	179903	Coupling, Elbow Hose	2	
3	(204163)	Head, Corrosion Resistor	1	N o t e *** Purchase directly from Fleetguard.
4	3010596	Screw, Captive Washer Cap	4	3/8 - 16 X 1 1/4 Inch.
5	(4058964)	Resistor, Corrosion	1	Purchase from Fleetguard
6	3910509	Clamp, Hose	4	1/4 - 7/8 inch
7	3920552	Bracket, Filter	1	
8	3921231	Hose, Plain	2	
9	S 983	Bushing, Reducing Pipe	2	
10	3008469	Plug, Pipe	2	3/4 NPT Not this version



Ref No.	Part Number	Part Name	Req	Remarks
		WATER INLET CONNECTION OPTION WI9145		
1	3900630	Screw, Hex Flange Head Cap	2	Connection Outside Diameter (mm): 57.15 Connection Type: Beaded Connection Location: Horizontal Out from Crank Centerline: TBD From Engine Centerline: TBD From Front Face of Block: TBD Engine Family: "C" Series. M8 x 1.25 x 20
2	3945603	Gasket, Connection	1	
3	3944720	Connection, Water Inlet	1	

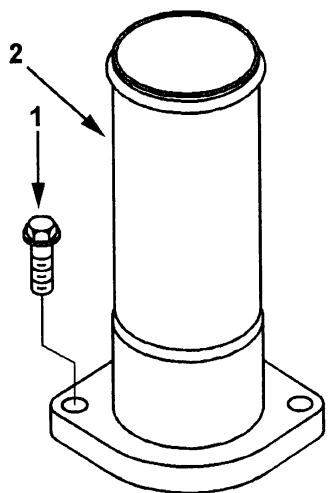


Ref No.	Part Number	Part Name	Req	Remarks
		WATER INLET CONNECTION OPTION WI9161		
1	3900630	Screw, Hex Flange Head Cap	2	Inlet Connection Outside Diameter(mm): 57.2
2	3944141	Connection, Water Inlet	1	Connection Type: Beaded
3	3945603	Gasket, Connection	1	Connection Orientation: Vertically Down mounting
				Mounting Provision: 2 x 9.5mm thru
				Mounting hole pitch(mm): 80
				Centerline of engine to OEM interface(mm): -286
				Centerline of crank to OEM interface(mm): 11
				Front face of block to OEM interface(mm): -126.
				M8 x 1.25 x 20



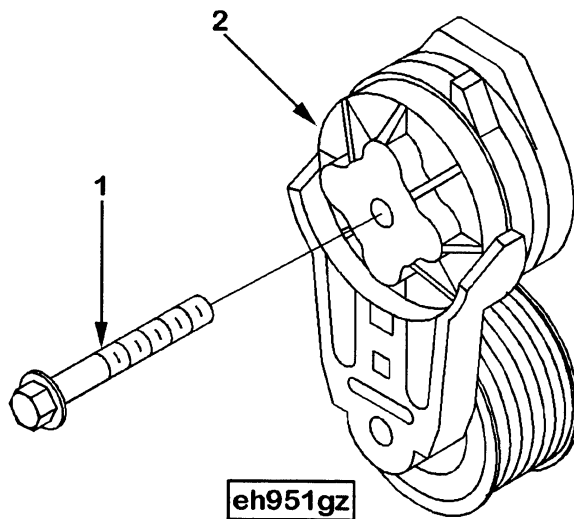
wo943gb

Ref No.	Part Number	Part Name	Req	Remarks
		WATER OUTLET CONNECTION OPTION WO9052		
1	3900631	Screw, Hex Flange Head Cap	2	Connection Orientation: Pointing Up Connection location from crank centerline to the top of the connection: 476.0mm From engine centerline to centerline of connection: 144.5mm From front face of block to connection centerline: 53.5mm Connection Outside Diameter: 57.2mm Connection Length: 114.0mm Engine Family: "C" Series. M8 x 1.25 x 25
2	3944429	Connection, Water Outlet	1	

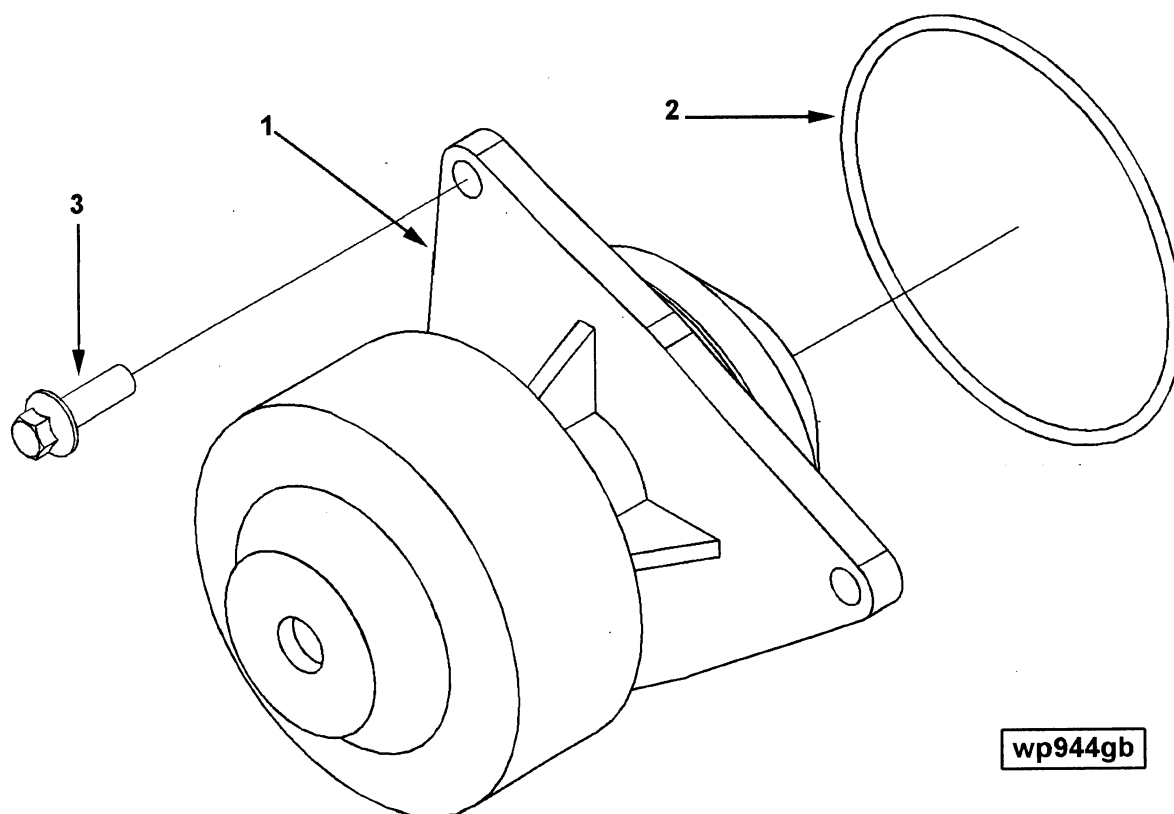


wo943gb

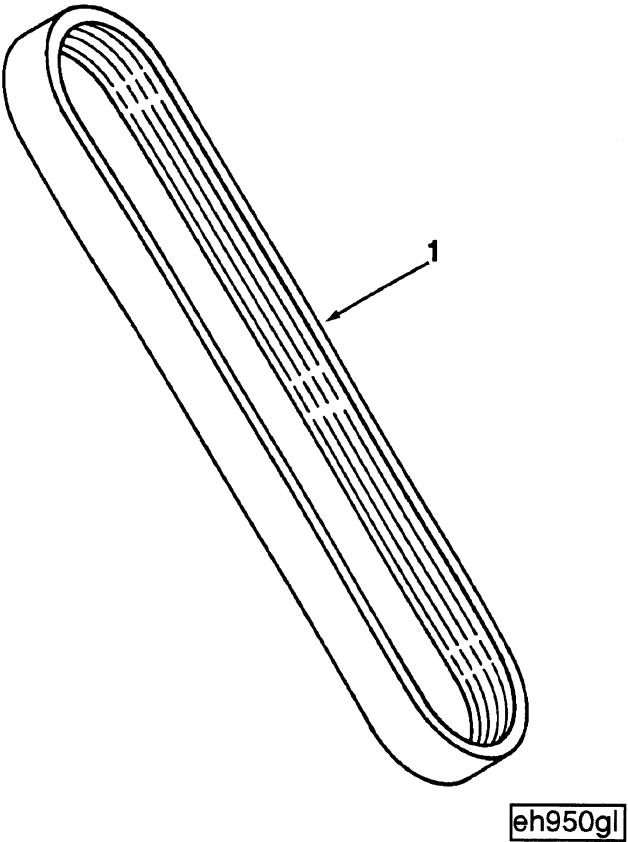
Ref No.	Part Number	Part Name	Req	Remarks
		WATER OUTLET CONNECTION OPTION WO9055		Connection Orientation: Pointing Up Connection location Position vert from crank centerline: 540.5mm Position horiz from engine centerline: 144.5mm Position from front face of block: 53.5mm Connection Outside Diameter: 57.2mm Connection Length: 178.5mm Engine Family: "C" Series. M8 x 1.25 x 25
1	3900631	Screw, Hex Flange Head Cap	2	
2	3940631	Connection, Water Outlet	1	



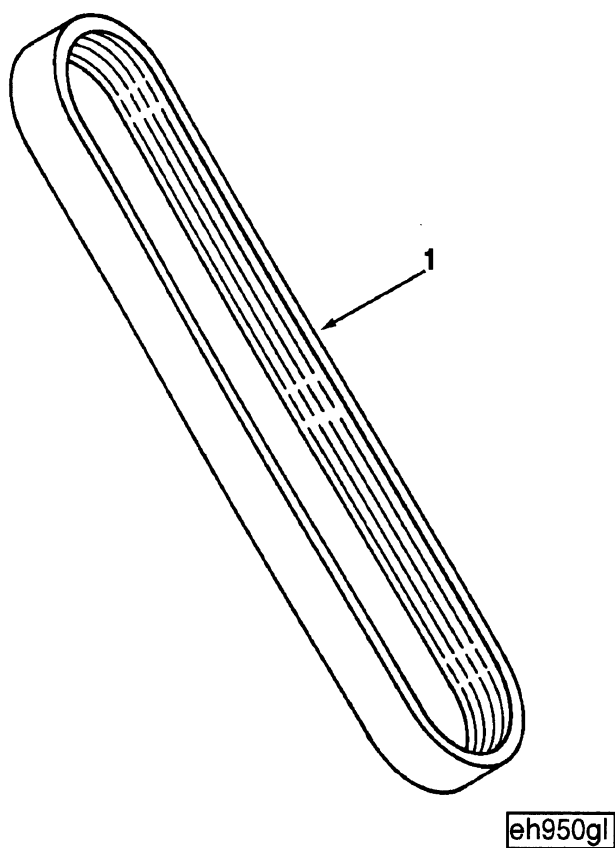
Ref No.	Part Number	Part Name	Req	Remarks
		BELT TENSIONER OPTION WP9916		
1	3282433	Screw, Hex Flange Head Cap	1	Belt Tensioner Supplied: Cummins Tensioner Pulley Type: Standard tensioner mounting location: Gear housing. M10 x 1.50 x 85.
2	3936213	Tensioner, Belt	1	



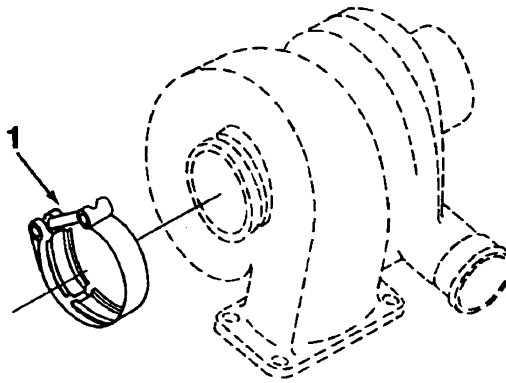
Ref No.	Part Number	Part Name	Req	Remarks
		WATER PUMP OPTION WP9918		
1	3804927	Kit, Water Pump	1	Pulley material: Hardened (55 rockwell) Pulley Type: Smooth Drive Ratio: 1.80:1 pulley diameter (mm): 110.0 required damper pulley effective diameter (over 2.5mm ball): 199.42 engine design phase: Pegasus, tier 2 Engine Family: "C" Series.
2	3286293	Pump, Water	1	
3	3940386	Seal, O Ring	1	
	3934054	Screw, Hex Flange Head Cap	3	



Ref No.	Part Number	Part Name	Req	Remarks
		WATER PUMP DRIVE OPTION WP9969		Belt Length (mm): 1790.7mm Belt type: 8rib poly vee Crank Pulley Diameter Over 2.5mm Balls(mm): 199.42 Tensioner Pulley Centerline From Engine Centerline (mm): -175.2 Tensioner Pulley Centerline From Crank Centerline(mm): 67.34 Tensioner Pulley Diameter Over 2.5mm Balls (mm): 73.95 Tensioner Pulley Type: Grooved Water pump pulley centerline from engine centerline (mm): -137 Water pump pulley centerline from crank centerline (mm): 198 Water pump pulley diameter (mm): 110 Water pump pulley type: Smooth Information on fead combination support can be obtained by IMS inquiry
1	3911583	Belt, V Ribbed	1	



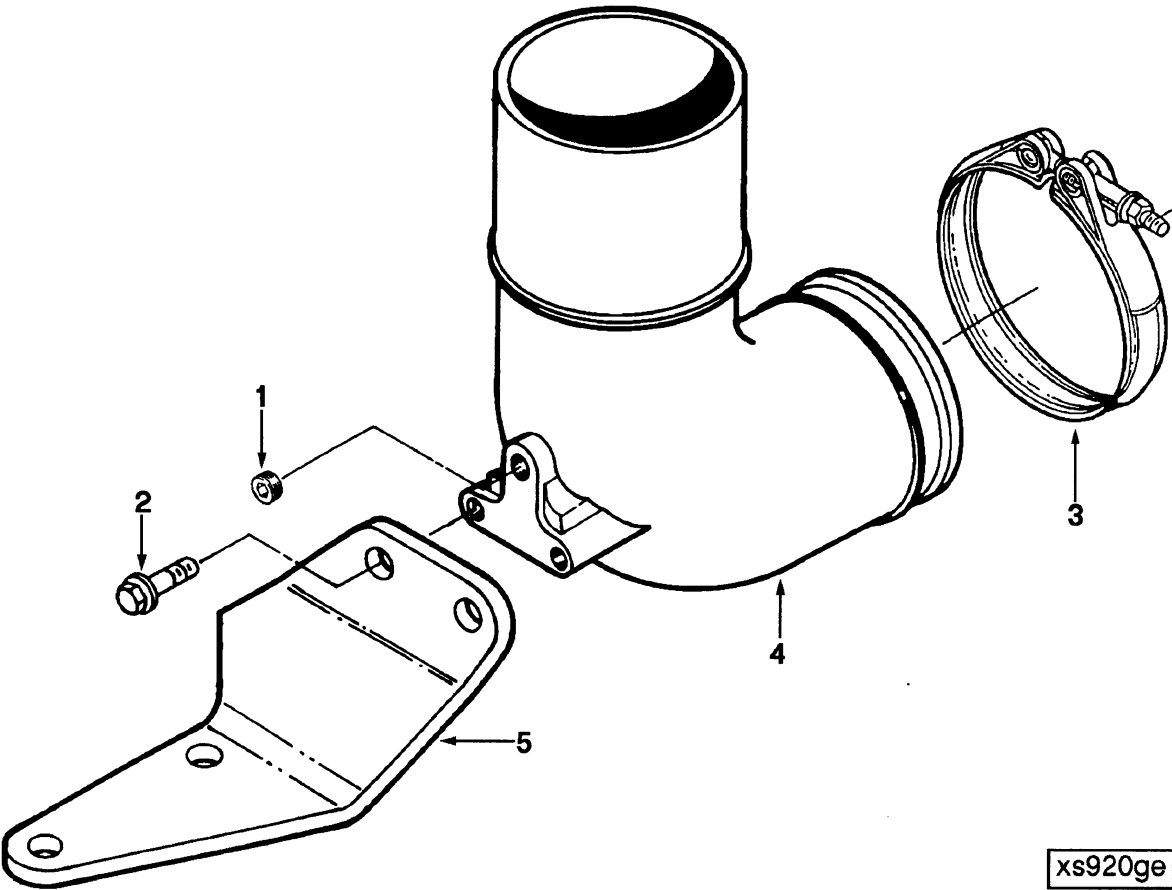
Ref No.	Part Number	Part Name	Req	Remarks
		WATER PUMP DRIVE OPTION WP9972		Belt Length (mm): 1841.5mm Belt type: 8rib poly vee Crk Pulley Dia. Over 2.5mm Balls (mm): 199.42 Tensr Pulley Ctrln from Eng Ctrln (mm): -175.2 Tensr Pulley Ctrln From Crk Ctrln (mm): 67.34 Tensr Pulley Dia. over 2.5mm Balls (mm): 73.95 Tensr Pulley Type: Grooved WP pulley ctrln from eng ctrln (mm): -137 WP pulley ctrln from crk ctrln (mm): 198 WP pulley dia. (mm): 110 WP pulley type: Smooth Information for support fead combination can be obtained by accessing IMS
1	3918074	Belt, V Ribbed	1	



xs900ge

Ref No.	Part Number	Part Name	Req	Remarks
1	3905216	EXHAUST CONNECTION OPTION XS9258 Clamp, V Band	1	Connection Supplier: Customer Mounting Supplied: V-Band T-Bolt Clamp Groove Width (mm): 6.65 Clamp ID (mm): 101.6

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



xs920ge

Ref No.	Part Number	Part Name	Req	Remarks
		EXHAUST OUTLET CONNECTION OPTION XS9268		Connection Supplier: Cummins Connection Description: 90 Degrees Elbow OEM Interface Connection Outside Diameter (mm): 89 Bead/flange diameter (mm): 108 OEM Interface Connection Type: Half Marmon OEM Connection Location: HMFO: (-254.2, 780, -264.1) HMRO: TBD Mounting supplied: V band Tee bolt clamp groove width: (mm): 6.65 clamp Clamp inside diameter (mm): 101.6 Connection to turbocharger interface outside diameter (mm): 101.7 Turbocharger interface connection type: Half Marmon Connection To Turbocharger Exhaust Outlet Location: HMFO: (-254.2, 602.7, -377.8) HMRO: (-247.8, 661.1, -317.8) Connection brace to manifold mounting pattern: 2 x92.5mm Connection brace to manifold location (mm): Distance from exhaust port #1 to boss centerline boss #1: -98.5mm, boss #2: -191mm.
1	S 910 B	Plug, Pipe	1	1/4 NPT.
2	3902460	Screw, Hex Flange Head Cap	4	M10 X 1.50 X 25.
3	3905216	Clamp, V Band	1	
4	3910994	Pipe, Exhaust Outlet	1	
5	3917923	Brace, Exh Out Connection	1	

Ref No.	Part Number	Part Name	Req	Remarks
		SERVICE GASKET SET		
		LOWER GASKET SET		
				NOTE: Gasket set contains 'ONLY' a dry flywheel housing seal. For wet flywheel housings, use this gasket set plus seal.
	3800558	Set, Lower Engine Gasket	1	
	3901798	Washer, Sealing	1	
	3902089	Seal, O Ring	1	
	3902425	Washer, Sealing	1	
	3905928	Nozzle, Piston Cooling	6	
	3912473	Seal, Rectangular Ring		
	3913994	Seal, O Ring	1	
	3914095	Seal, Rectangular Ring	1	
	3914301	Gasket, Rear Cover	1	
	3914302	Gasket, Oil Suc Connection	1	
	3914308	Gasket, Lub Oil Clr Cover	1	
	3915772	Seal, Rectangular Ring	1	
	3916042	Gasket, Hydraulic Pump	1	
	3916284	Seal, O Ring	1	
	3917779	Gasket, Gear Cover	1	
	3917780	Gasket, Gear Cover	1	
	3918174	Gasket, Oil Cooler Core	1	
	3918340	Gasket, Hydraulic Pump	1	
	3920773	Washer, Sealing	1	
	3928031	Nozzle, Piston Cooling	12	
	3929011	Gasket, Lub Oil Clr Cover	1	
	3938737	Gasket, Gear Housing	1	
	3934410	Valve, Bypass	1	
	3201562	Seal, O Ring	1	
	(3934278)	Valve, Bypass	1	
	3934486	Rr Crankseal Serv Kit	1	Includes Installaton Tools
	(3904325)	Tool, Seal Installation	1	
	3909409	Tool, Seal Installation	1	
	(3933262)	Seal, Oil	1	
	3935032	Seal, Rectangular Ring	1	
	3938160	Gasket, Oil Pan	1	
	3939258	Gasket, Cover Plate	1	
	4025270	Kit, Front Seal Service	1	Includes Installation Tool
	3908141	Tool, Seal Installation	1	
	(3921927)	Seal, Oil	1	
	3938077	Nut, Lock	6	

Ref No.	Part Number	Part Name	Req	Remarks
		SERVICE GASKET SET		
		UPPER ENGINE SET 0.25MM OVER THICKNESS		
	3800747	Set, Upper Engine Gasket	1	
	145530	Seal, O Ring	2	
	3902425	Washer, Sealing	2	
	3902466	Seal, Rectangular Ring	1	
	3906695	Seal, Rectangular Ring	1	
	3963983	Washer, Sealing	4	
	3903380	Seal, Banjo Connector	7	6.2MM
	3903546	Seal, O Ring	1	
	3905449	Seal, Rocker Lever Cover	1	
	3909886	Seal, Injector	6	
	3935586	Gasket, Cylinder Head	1	
	3909397	Seal, O Ring	1	
	3910824	Seal, O Ring	6	
	3937142	Seal, Injector	6	
	3911941	Gasket, Turbocharger	1	
	3932063	Gasket, Exhaust Manifold	6	
	3927642	Seal, Valve Stem	12	
	3918779	Gasket, Connection	1	
	3914310	Gasket, Thermostat Housing	1	
	3936993	Gasket, Int Manifold Cover	1	
	3921440	Gasket, Int Manifold Cover	1	
	3937706	Gasket, Oil Drain	1	
	3914708	Lockplate	12	
	3937155	Washer, Sealing	2	
	3917892	Gasket, Connection	1	
		0.50MM OVER THICKNESS		
	3800748	Set, Upper Engine Gasket	1	
	145530	Seal, O Ring	2	
	3902425	Washer, Sealing	2	
	3902466	Seal, Rectangular Ring	1	
	3963983	Washer, Sealing	4	
	3903380	Seal, Banjo Connector	7	6.2MM
	3903546	Seal, O Ring	1	
	3905449	Seal, Rocker Lever Cover	1	
	(3937142)	Seal, Injector	6	
	3906695	Seal, Rectangular Ring	1	
	3935587	Gasket, Cylinder Head	1	
	3909397	Seal, O Ring	1	
	3910824	Seal, O Ring	6	
	3911941	Gasket, Turbocharger	1	
	3932063	Gasket, Exhaust Manifold	6	
	3918779	Gasket, Connection	1	
	3914310	Gasket, Thermostat Housing	1	
	3936993	Gasket, Int Manifold Cover	1	
	3921440	Gasket, Int Manifold Cover	1	
	3937706	Gasket, Oil Drain	1	
	3914708	Lockplate	12	
	3937155	Washer, Sealing	2	
	3917892	Gasket, Connection	1	
	3927642	Seal, Valve Stem	12	
	3909886	Seal, Injector	6	

Ref No.	Part Number	Part Name	Req	Remarks
	3802429	PISTON RING SETS Set, Piston Ring	6	Standard
	3802263	PISTON KITS Kit, Engine Piston	6	
	3800328	CYLINDER KIT Kit, Liner	6	

Ref No.	Part Number	Part Name	Req	Remarks
		SERVICE REPAIR KITS		
		MAIN BEARING KITS		
	3945917	Kit, PDC	1	Standard
	3945918	Kit, PDC	1	0.25 mm Oversize
	3945919	Kit, PDC	1	0.50 mm Oversize
	3945920	Kit, PDC	1	0.75 mm Oversize
	3945921	Kit, PDC	1	1.00 mm Oversize
	3944168	Bearing, Crankshaft Thrust	1	Std journal diameter, 0.25mm oversize thrust face.
	3944169	Bearing, Crankshaft Thrust	1	Std. Journal Diameter, .050mm oversize thrust face.
	3945928	Bearing, Crankshaft Thrust	1	0.50mm oversize journal diameter. 0.50 oversize face.

Ref No.	Part Number	Part Name	Req	Remarks
		SERVICE GASKET SET		
		UPPER ENGINE SET STANDARD THICKNESS		
	4025271	Set, Upper Engine Gasket	1	
	145530	Seal, O Ring	2	
	3918779	Gasket, Connection	1	
	3902425	Washer, Sealing	2	
	3902466	Seal, Rectangular Ring	1	
	3906695	Seal, Rectangular Ring	1	
	3963983	Washer, Sealing	4	
	3937155	Washer, Sealing	2	
	3903380	Seal, Banjo Connector	7	6.2MM
	3903546	Seal, O Ring	1	
	3905449	Seal, Rocker Lever Cover	1	
	3909886	Seal, Injector	6	
	3938267	Gasket, Cylinder Head	1	
	3909397	Seal, O Ring	1	
	3910824	Seal, O Ring	6	
	3911941	Gasket, Turbocharger	1	
	3927642	Seal, Valve Stem	12	
	3917892	Gasket, Connection	1	
	3914310	Gasket, Thermostat Housing	1	
	3936993	Gasket, Int Manifold Cover	1	
	3921440	Gasket, Int Manifold Cover	1	
	3932063	Gasket, Exhaust Manifold	6	
	3937706	Gasket, Oil Drain	1	
	3914708	Lockplate	12	
	(3937142)	Seal, Injector	6	

Option Index

Option No.	Description	Page No.
AH9132	Air Heater Starting Aid	2
AP9226	Agency Approval	3
AP9320	Agency Approval	4
BB9880	Crankshaft Assembly	9
	Cylinder Block	7
	Valve Tappet	10
BB9881	Front Gear Housing	13
BB9882	Timing Pin Housing	15
BB9883	Front Gear Housing	17
BR9107	Crankcase Breather	18
BR9108	Crankcase Breather	19
BR9132	Crankcase Breather	21
CF9071	Refrigerant Compressor	23
CH9087	Coolant Htr Stg Aid Plumbi	24
DA9704	Vibration Damper	25
DF9740	Front Gear Train Accessory	27
EA9040	Electrical Accessories	28
EC9702	Thermostat	29
EE9176	Alternator	30
EH9434	Alternator Mounting	33
EM9190	Front Engine Support	34
EO9045	Signal Generating Device	35
FA9313	Fan Drive	37
FA9322	Fan Drive	39
FA9739	Fan Drive Mounting	40
FE9008	Air Fuel Control Plumbing	43
FE9942	Air Fuel Control Plumbing	45
FF9318	Fuel Filter	47
FF9340	Fuel Filter	49
FF9886	Fuel Filter Plumbing	51
FH9348	Flywheel Housing	53
FH9356	Flywheel Housing	55
FP98969	Fuel Pump	57
FP98972	Fuel Pump	59
FP98973	Fuel Pump	61
FP98978	Fuel Pump	63
FP98981	Fuel Pump	65
FP99001	Fuel Pump Mounting	67
FP99002	Fuel Pump	68
FP99126	Fuel Pump	71
FP99127	Fuel Pump	73
FP99383	Fuel Pump	75
FS9724	Fuel Transfer Pump	76
FS9727	Fuel Transfer Pump	79
FT97147	Fuel Plumbing	81
FV9273	Fuel Shutoff Valve	83
FV9274	Fuel Shutoff Valve	85
FW9524	Flywheel	87
FW9614	Flywheel	89
FW9704	Flywheel Mounting	90
GG9778	Front Gear Cover	93
GG9779	Front Gear Cover	95
GG9780	Front Gear Cover	97
GG9803	Gear Cover Mounting	98
HC9023	Cabin Heater Plumbing	99

Option No.	Description	Page No.
HC9044	Cabin Heater Plumbing	101
IC9297	Air Intake Connection	102
IM9714	Air Intake Manifold	105
IT9039	Air Transfer Connection	106
LA9068	Lifting Arrangement	107
LC9720	Engine Oil Cooler	109
LF9093	Lube Oil Filter	110
LG90019	Oil Level Gauge	111
LG90076	Oil Level Gauge	112
LP9725	Lube Oil Pump	113
OB9331	Oil Filler Arrangement	115
OB9335	Oil Filler Arrangement	117
OP9319	Oil Pan	119
OP9352	Oil Pan	121
PA9001	Accessory Drive Pulley	124
PP2996	Camshaft Gear	128
	Connecting Rod	127
	Injector	129
PP2997	Camshaft Gear	132
	Connecting Rod	131
	Injector	133
PP8185	Camshaft Gear	136
	Connecting Rod	135
	Injector	137
PP8197	Camshaft Gear	140
	Connecting Rod	139
	Injector	141
PP8211	Camshaft Gear	144
	Connecting Rod	143
	Injector	145
PP8307	Camshaft Gear	148
	Connecting Rod	147
	Injector	149
PP97971	Cylinder Head	151
PP97972	Cylinder Head	153
PP97973	Turbocharger	155
PP98116	Turbocharger	157
PP98258	Turbocharger	159
PP98265	Turbocharger	161
PP98268	Injector Plumbing	163
PP98284	Turbocharger	165
PP98304	Turbocharger	167
RL9732	Rocker Lever	168
RP9031	Engine Coolant Vent	169
SD9076	Oil Pressure Switch	170
SD9088	Tachometer Drive	171
SM9780	Starting Motor Mounting	172
SM9782	Starter Motor Mounting	173
ST9209	Starting Motor	174
ST9213	Starting Motor	175
TB97067	Exhaust Manifold	177
TB97070	Exhaust Manifold	179
TB97072	Exhaust Manifold	181
TB97073	Exhaust Manifold	183
TK9022	Torque Converter Oil Cooler	184
TL9091	Throttle Lever	185

Option No.	Description	Page No.
TP97175	Turbocharger Plumbing	187
TP97204	Turbocharger Plumbing	189
VC9147	Valve Cover	191
WF9077	Corrosion Resistor	193
WF9082	Corrosion Resistor	195
WI9145	Water Inlet Connection	196
WI9161	Water Inlet Connection	197
WO9052	Water Outlet Connection	198
WO9055	Water Outlet Connection	199
WP9916	Belt Tensioner	200
WP9918	Water Pump	201
WP9969	Water Pump Drive	203
WP9972	Water Pump Drive	205
XS9258	Exhaust Connection	206
XS9268	Exhaust Outlet Connection	209

INDEX

Part No.	Description	Page No.	Part No.	Description	Page No.
S 910 B	Plug, Pipe	209	3598263	Turbocharger	165
S 923 E	Draincock	7	3678603	Seal, O Ring	187, 189
S 982	Bushing, Reducing Pipe	35	3678912	Seal, O Ring	7
62392	Washer, Plain	171	3678921	Plug, Threaded	7
68189	Clip	115	3678922	Plug, Threaded	7
68274	Spring, Compression	109	3678923	Plug, Threaded	7
70622	Clip	21	3678924	Plug, Threaded	7
118227	Dowel, Ring	109	3678925	Seal, O Ring	7
143066	Plug, Expansion	7	3755843	Gasket, Turbocharger	155, 157, 159, 161, 165, 167
145530	Seal, O Ring	101, 211, 214	3800328	Kit, Liner	7, 212
156075	Plug, Expansion	99, 101	3800332	Kit, Cyl Block Hardware	7
167157	Ball, Check	81	3800558	Set, Lower Engine Gasket	210
167164	Elbow, Plain Street Pipe	169	3800747	Set, Upper Engine Gasket	211
179901	Valve, Shutoff	193, 195	3800748	Set, Upper Engine Gasket	211
179903	Coupling, Elbow Hose	195	3802085	Valve, Exhaust	151, 153
200284	Cap, Filler	117	3802263	Kit, Engine Piston	127, 131, 135, 139, 143, 147, 212
204163	Head, Corrosion Resistor	193, 195			
205401	Plug, Expansion	19			
215921	Coupling, Plain Hose	101			
3004258	Plug, Expansion	7	3802429	Set, Piston Ring	127, 131, 135, 139, 143, 147, 212
3007635	Plug, Expansion	151, 153			
3008464	Plug, Pipe	151, 153	3802463	Kit, Intake Valve	151, 153
3008465	Plug, Pipe	106	3804927	Kit, Water Pump	201
3008466	Plug, Pipe	43, 45, 151, 153	3818823	Stud	155, 157, 159, 161, 165, 167
3008468	Plug, Pipe	27, 35, 99, 101, 105, 151, 153	3818824	Nut, Hexagon Flange	155, 157, 159, 161, 165, 167
3008469	Plug, Pipe	7, 24, 53, 99, 101, 109, 193, 195			
3008470	Plug, Pipe	7	3863863	Gasket, Cover Plate	79
3010596	Screw, Captive Washer Cap	193, 195	3863988	Washer, Sealing	51, 81
3027232	Plug, Pipe	109	3883284	Seal, O Ring	106
3027685	Screw, Hexagon Head Cap	171	3897329	Ball	49
3035960	Ring, Retaining	37, 39	3900225	Screw, Hexagon Head Cap	55
3043556	Plug, Threaded	53	3900227	Screw, Hexagon Head Cap	128, 132, 136, 140, 144, 148
3045782	Plug, Threaded	53	3900257	Dowel, Pin	7
3046201	Seal, O Ring	53	3900269	Washer, Plain	90
3052061	Screw, Hexagon Head Cap	33	3900589	Nut, Hexagon Flange	67, 187, 189
3069053	Clamp, V Band	106	3900626	Screw, Hex Flange Head Cap	81
3089238	Plug, Threaded	184	3900628	Screw, Hex Flange Head Cap	119, 121
3089239	Plug, Threaded	184	3900630	Screw, Hex Flange Head Cap	83, 85, 187, 189, 196, 197
3089240	Seal, O Ring	184			
3093923	Screw, Hex Flange Head Cap	51	3900631	Screw, Hex Flange Head Cap	102, 198, 199
3100307	Resistor, Corrosion	193	3900634	Screw, Hex Flange Head Cap	37, 39
3201562	Seal, O Ring	109, 210	3900677	Screw, Hexagon Head Cap	113
3282059	Clip	81	3901177	Collet, Valve	151, 153
3282141	Screw, Banjo Connector	81	3901249	Screw, Hex Flange Head Cap	21, 27, 107, 117
3282158	Hose, Flexible	187, 189	3901383	Rod, Engine Connecting	127, 131, 135, 139, 143, 147
3282372	Stud	67			
3282433	Screw, Hex Flange Head Cap	200	3901395	Screw, Hexagon Head Cap	90
3282839	Lever, Throttle	185	3901430	Bearing, Connecting Rod	127, 131, 135, 139, 143, 147
3282942	Brace, Tube	163			
3283814	Motor, Starting	175	3901431	Bearing, Connecting Rod	127, 131, 135, 139, 143, 147
3283850	Switch, Pressure	170	3901432	Bearing, Connecting Rod	127, 131, 135, 139, 143, 147
3284906	Dataplate	3, 4	3901433	Bearing, Connecting Rod	127, 131, 135, 139, 143, 147
3286293	Pump, Water	201			
3286499	Hose, Plain	187, 189	3901434	Bearing, Connecting Rod	127, 131, 135, 139, 143, 147
3287082	Flywheel	89			
3287084	Flywheel	89			
3352392	Housing, Flywheel	55			
3401544	Element, Lub Oil Filter	110			
3412320	Clamp, Hose	187, 189			
3597311	Turbocharger	155, 157, 159, 161, 167			

INDEX

Part No.	Description	Page No.	Part No.	Description	Page No.
3901445	Screw, Hex Flange Head Cap	67	3906439	Plate, Clamping	101
3901617	Screw, Twelve Point Cap	168	3906440	Bracket, Lifting	107
3901693	Clamp, Retaining	168	3906619	Plug, Pipe	109
3901717	Lever, Rocker	168	3906659	Seal, Injector	129, 133, 137, 141, 145, 149
3901764	Ring, Retaining	168	3906694	Seal, Rectangular Ring	49
3901798	Washer, Sealing	210	3906695	Seal, Rectangular Ring	49, 211, 214
3901846	Dowel, Pin	7	3906733	Screw, Hex Flange Head Cap	25
3901865	Screw, Hex Flange Head Cap	119, 121	3906790	Tube, Fuel Supply	79
3901969	Plug, Expansion	7	3907177	Seal, Rectangular Ring	7
3902089	Seal, O Ring	210	3907206	Washer, Plain	168
3902112	Screw, Hex Flange Head Cap	129, 133, 137, 141, 145, 149	3907466	Flywheel	87
3902127	Gear, Flywheel Ring	89	3907740	Clamp, Spring Hose	19, 21
3902332	Key, Plain Woodruff	128, 132, 136, 140, 144, 148	3907741	Clip	21
3902425	Washer, Sealing	43, 45, 119, 121, 151, 153, 210, 211, 214	3907769	Screw, Hexagon Head Cap	37, 39
3902451	Screw, Hex Flange Head Cap	34	3907860	Screw, Hex Flange Head Cap	109
3902460	Screw, Hex Flange Head Cap	23, 33, 209	3907861	Bracket, Lifting	107
3902466	Seal, Rectangular Ring	191, 211, 214	3907998	Screw, Round Head Cap	13, 15, 17
3902468	Cap, Filler	191	3908095	Plate, Cover	53
3902588	Insert, Rocker Lever	168	3908110	Plug, Threaded	43
3902603	Spacer, Hydraulic Pump	27	3908141	Tool, Seal Installation	210
3902662	Nut, Hexagon Flange	23, 67	3908321	Screw, Twelve Point Cap	172, 173
3902663	Screw, Hex Flange Head Cap	23	3908612	Screw, Drive	3, 4
3903035	Screw, Banjo Connector	43, 45, 79	3908799	Housing, Flywheel	53
3903105	Screw, Hex Flange Head Cap	33	3909310	Screw, Hexagon Head Cap	76, 79
3903112	Screw, Hex Flange Head Cap	23, 33	3909397	Seal, O Ring	211, 214
3903210	Nut, Hexagon Flange	33	3909409	Tool, Seal Installation	210
3903293	Nut, Regular Hexagon Jam	49	3909411	Rear Crank Seal Serv.Kit	53
3903380	Seal, Banjo Connector	81, 129, 133, 137, 141, 145, 149, 211, 214	3909552	Connector, Male	43, 45
3903463	Cover, Access Hole	117	3909669	Tube, Breather	21
3903464	Screw, Hex Flange Head Cap	67	3909886	Seal, Injector	129, 133, 137, 141, 145, 149, 211, 214
3903475	Seal, Rectangular Ring	115, 117, 171	3910248	Plug, O Ring	53, 55
3903546	Seal, O Ring	211, 214	3910260	Seal, O Ring	53, 55
3903924	Pin, Timing	13, 15, 17	3910279	Clamp, Injector	129, 133, 137, 141, 145, 149
3903990	Screw, Hex Flange Head Cap	40, 67, 83, 85	3910509	Clamp, Hose	195
3904181	Plug, Threaded	55	3910739	Bearing, Ball	37, 39
3904325	Tool, Seal Installation	210	3910787	Connection, Oil Suction	121
3904483	Dowel, Pin	9	3910824	Seal, O Ring	191, 211, 214
3904828	Nut, Hexagon Flange	27	3910960	Washer, Plain	119, 121
3904849	Ring, Retaining	13, 15, 17	3910994	Pipe, Exhaust Outlet	209
3905194	Rod, Push	168	3911446	Screw, Banjo Connector	51
3905216	Clamp, V Band	206, 209	3911583	Belt, V Ribbed	203
3905401	Plug, Expansion	7, 115, 117	3911698	Cover, Rear	53
3905427	Gear, Flywheel Ring	87	3911699	Cover, Rear	55
3905449	Seal, Rocker Lever Cover	191, 211, 214	3911901	Valve, Check	169
3905779	Tube, Oil Gauge	111, 112	3911924	Hub, Fan	37, 39
3905860	Screw, Banjo Connector	51	3911925	Coupling, Plain Hose	169
3905870	Support, Rocker Lever	168	3911941	Gasket, Turbocharger	211, 214
3905928	Nozzle, Piston Cooling	210	3912072	Screw, Self Tapping Metal	21, 53
3906100	Washer, Spring	168	3912473	Seal, Rectangular Ring	53, 55, 210
3906216	Nut, Hexagon Flange	115, 119, 121	3912900	Plug, Expansion	151, 153
3906393	Flywheel	87	3912976	Retainer, Valve Spring	151, 153
			3913366	Screw, Hex Flange Head Cap	67
			3913638	Screw, Hex Flange Head Cap	18, 19, 21, 119, 123, 185
			3913990	Bushing	127, 131, 135, 139, 143, 147
			3913994	Seal, O Ring	13, 15, 17, 210
			3913995	Housing, Timing Pin	13, 15, 17
			3914013	Pan, Oil	123

INDEX

Part No.	Description	Page No.	Part No.	Description	Page No.
3914015	Pan, Oil	119	3919624	Pulley, Accessory Drive	124
3914035	Plug, Expansion	153	3919677	Manifold, Oil	168
3914095	Seal, Rectangular Ring	210	3919683	Housing, Timing Pin	13, 15, 17
3914132	Adapter, Angle Drive	171	3919807	Screw, Socket Set	53
3914136	Cap, Filler	115	3919918	Ring, Compression Piston	131, 143, 147
3914301	Gasket, Rear Cover	53, 55, 210	3920147	Seal, Oil	53
3914302	Gasket, Oil Suc Connection	119, 123, 210	3920400	Screw, Hex Flange Head	
3914308	Gasket, Lub Oil Clr Cover	210		Cap	119, 121
3914310	Gasket, Thermostat Housing	211, 214	3920443	Plug, Expansion	151, 153
3914420	Clamp, Hose	187, 189	3920447	Screw, Hex Flange Head	
3914708	Lockplate	177, 179, 181, 183, 211, 214		Cap	53, 55
			3920552	Bracket, Filter	193, 195
3914711	Clip	51	3920595	Manifold, Fuel	81
3914738	Tube, Oil Filler	115	3920622	Screw, Hex Flange Head	
3914868	Plate, Cover	27		Cap	67
3915772	Seal, Rectangular Ring	13, 15, 17, 210	3920692	Ring, Retaining	127, 131, 135, 139, 143, 147
3915800	Seal, Rectangular Ring	171			
3916042	Gasket, Hydraulic Pump	210	3920706	Plug, Expansion	187, 189
3916073	Screw, Hex Flange Head		3920773	Washer, Sealing	119, 121, 210
	Cap	109	3920778	Bracket, Ref Compressor	23
3916284	Seal, O Ring	210	3920854	Screw, Captive Washer Cap	163
3916302	Switch, Magnetic	28	3921231	Hose, Plain	195
3916361	Screw, Banjo Connector	76	3921357	Brace, Fuel Pump	67
3916369	Screw, Hex Flange Head		3921440	Gasket, Int Manifold Cover	211, 214
	Cap	7	3921444	Valve, Exhaust	151, 153
3916779	Hose, Flexible	68	3921594	Plug, Threaded	43, 45
3916861	Dataplate	3	3921605	Gasket, Filter Head	109
3916895	Pin, Roll	81	3921644	Connection, Oil Filler	115
3917320	Crankshaft, Engine	9	3921652	Tube, Fuel Drain	81
3917333	Hub, Tac Drive Coupling	171	3921719	Connection, Oil Suction	119
3917394	Connection, Water Transfer	101	3921816	Screw, Hex Flange Head	
3917707	Piston, Engine	127, 131, 135, 139, 143, 147		Cap	98
			3921919	Ring, Oil Piston	131, 143, 147
3917728	Screw, Hex Flange Head		3921927	Seal, Oil	210
	Cap	151, 153	3922072	Plug, Expansion	151, 153
3917729	Screw, Hex Flange Head		3922639	Screw, Hex Flange Head	
	Cap	151, 153		Cap	191
3917746	Isolator, Vibration	163	3922686	Ring, Compression Piston	131, 143, 147
3917747	Isolator, Vibration	163	3922789	Connector, Male	187, 189
3917779	Gasket, Gear Cover	210	3922790	Connector, Male	187, 189
3917780	Gasket, Gear Cover	210	3922794	Seal, O Ring	187, 189
3917892	Gasket, Connection	102, 211, 214	3923041	Nut, Lock	106
3917923	Brace, Exh Out Connection	209	3923044	Retainer, Fan Hub	37, 39
3918002	Screw, Banjo Connector	68	3923478	Camshaft	128, 132, 136, 140, 144, 148
3918074	Belt, V Ribbed	205			
3918113	Shield, Dust	93, 95, 97	3924147	Plug, Threaded	119, 121
3918174	Gasket, Oil Cooler Core	109, 210	3924148	Plug, Threaded	45, 119, 121, 151, 153
3918175	Core, Cooler	109			
3918188	Washer, Sealing	81	3924186	Gear, Accessory Drive	27
3918190	Washer, Sealing	68	3924350	Rod, Engine Connecting	127, 131, 135, 139, 143, 147
3918215	Adapter, Tac Takeoff Drive	171			
3918240	Bracket, Ref Compressor	23	3924492	Valve, Intake	151, 153
3918334	Head, Lub Oil Filter	109	3924582	Insert, Valve	151, 153
3918340	Gasket, Hydraulic Pump	210	3924605	Seal, Rectangular Ring	67
3918539	Tube, Fuel Supply	76	3924723	Screw, Banjo Connector	81
3918616	Hose, Plain	21	3924725	Screw, Banjo Connector	51
3918685	Pipe, Air Transfer	106	3924726	Valve, Check	81
3918776	Gear, Crankshaft	9	3925234	Plate, Cover	55
3918777	Gear, Camshaft	128, 132, 136, 140, 144, 148	3925343	Ft Seal Ser Kit W/Sleeve	9
			3925570	Damper, Vibration	25
3918779	Gasket, Connection	211, 214	3925863	Guide, Valve Stem	151, 153
3918892	Spacer, Starting Motor	172	3925883	Screw, Hex Flange Head	
3918986	Crankshaft, Assembly TLA	9		Cap	93, 95, 97, 101
3919433	Shaft, Rocker Lever	168	3925954	Adapter, Filter Head	47
3919434	Rivet	168	3925955	Adapter, Filter Head	49
3919435	Shaft, Rocker Lever	168	3926044	Cover, Intake Manifold	105
3919622	Brace, Tube	163	3926048	Seal, O Ring	7

INDEX

Part No.	Description	Page No.	Part No.	Description	Page No.
3926126	Rear Seal, Wear Sleeve Kit	9	3934054	Screw, Hex Flange Head	
3926273	Support, Fuel Pump	67		Cap	201
3926429	Lever, Rocker	168	3934159	Head, Lub Oil Filter	109
3926722	Seal, Rectangular Ring	67	3934278	Valve, Bypass	109, 210
3926781	Support, Fuel Pump	67	3934410	Valve, Bypass	109, 210
3926846	Screw, Hex Flange Head		3934473	Tube, Air Fuel Control	187, 189
	Cap	13, 15, 17	3934486	Rr Crankseal Serv Kit	55, 210
3926854	Pulley, Fan	39	3934864	Nut, Connecting Rod	127, 131, 135, 139, 143, 147
3926855	Pulley, Fan	37			
3926858	Pulley, Alternator	33	3935032	Seal, Rectangular Ring	210
3926863	Screw, Hex Flange Head		3935113	Connection, Vent	18, 21
	Cap	93, 95, 97	3935530	Alternator	30
3926865	Spacer, Mounting	119, 121	3935586	Gasket, Cylinder Head	211
3927155	Support, Camshaft Thrust	128, 132, 136, 140, 144, 148	3935587	Gasket, Cylinder Head	211
		187, 189	3935715	Camshaft	128, 136, 140
3927317	Coupling, Elbow Hose	187, 189	3936027	Gasket, Cover Plate	53
3927335	Tag, Instruction	2	3936058	Cap, Main Bearing	7
3927611	Brace, Tube	119, 123	3936178	Head, Cylinder	153
3927642	Seal, Valve Stem	151, 153, 211, 214	3936180	Head, Cylinder	151
		168	3936213	Tensioner, Belt	200
3927692	Nut, Heavy Hexagon	168	3936313	Head, Fuel Filter	49
3928031	Nozzle, Piston Cooling	7, 210	3936315	Head, Fuel Filter	49
3928174	Insert, Valve	151, 153	3936316	Pump, Fuel Transfer	76
3928519	Connection, Air Intake	102	3936319	Pump, Fuel Transfer	79
3928870	Bolt, Connecting Rod	127, 131, 135, 139, 143, 147	3936331	Seal, Rectangular Ring	18, 21
		210	3936337	Adapter, Filter Head	49
3929011	Gasket, Lub Oil Clr Cover	210	3936365	Valve, Pressure Relief	109
3929537	Screw, Hexagon Head Cap	177, 179, 181, 183	3936876	Seal, Rectangular Ring	115
		2	3936993	Gasket, Int Manifold Cover	2, 105, 211, 214
3930319	Washer, Insulating	2	3937142	Seal, Injector	211
3930320	Screw, Hex Flange Head		3937142	Seal, Injector	211, 214
	Cap	2	3937155	Washer, Sealing	211, 214
3930375	Brace, Tube	51	3937421	Dipstick	111
3930388	Tube, Injector Fuel Supply	163	3937422	Dipstick	112
3930389	Tube, Injector Fuel Supply	163	3937438	Screw, Rkr Lever Adjusting	168
3930391	Tube, Injector Fuel Supply	163	3937613	Clamp, Hose	21
3930392	Tube, Injector Fuel Supply	163	3937652	Breather, Crankcase	19
3930393	Tube, Injector Fuel Supply	163	3937706	Gasket, Oil Drain	155, 157, 159, 161, 165, 167, 187, 189, 211, 214
3930394	Tube, Injector Fuel Supply	163			
3930395	Tube, Injector Fuel Supply	163			
3930396	Tube, Injector Fuel Supply	163			
3930683	Nut, Lock	83, 85	3938036	Screw, Hex Flange Head	
3930766	Tube, Fuel Supply	51		Cap	105
3930789	Tee, Street Pipe	43, 45	3938056	Hose, Plain	187, 189
3930903	Cover, Valve	191	3938077	Nut, Lock	93, 95, 97, 210
3930910	Plug, Threaded	109	3938085	Housing, Gear	15
3930911	Seal, O Ring	109	3938086	Housing, Gear	13
3930942	Filter, Fuel	49	3938087	Housing, Gear	17
3931063	Filter, Fuel	47, 49	3938091	Support, Fuel Pump	67
3931077	Cover, Lub Oil Cooler	109	3938160	Gasket, Oil Pan	119, 123, 210
3931084	Plug, Threaded	109	3938267	Gasket, Cylinder Head	151, 153, 214
3931380	Gear, Fuel Pump	67	3938371	Pump, Fuel Injection TLA	75
3931441	Manifold, Exhaust	181, 183	3938372	Pump, Fuel Injection TLA	57
3931622	Gasket, Starter	173	3938375	Pump, Fuel Injection TLA	59
3931623	Tappet, Valve	10	3938376	Pump, Fuel Injection TLA	61
3931824	Seal, O Ring	187, 189	3938381	Pump, Fuel Injection TLA	63
3931925	Head, Cylinder	153	3938384	Pump, Fuel Injection TLA	65
3931973	Tube, Tur Oil Drain	189	3938467	Bracket, Solenoid	83
3932063	Gasket, Exhaust Manifold	177, 179, 181, 183, 211, 214	3938467	Bracket, Solenoid	85
		2	3938502	Motor, Starting	174
3932087	Heater, Intake Air	2	3938655	Gasket, Acc Drive Cover	27
3932180	Manifold, Exhaust	177, 179	3938737	Gasket, Gear Housing	210
3933262	Seal, Oil	55, 210	3939018	Solenoid, Fuel Pump	83
3933384	Cover, Rear	53, 55	3939019	Solenoid, Fuel Pump	85
3934022	Washer, Plain	83, 85	3939033	Tube, Oil Filler	117
3934046	Pin, Piston	127, 131, 135, 139, 143, 147	3939258	Gasket, Cover Plate	76, 210
			3939311	Block, Cylinder	7

INDEX

Part No.	Description	Page No.	Part No.	Description	Page No.
3939336	Connection, Tur Oil Drain	187, 189	3991085	Spring, Valve	151, 153
3939570	Screw, Captive Washer Cap	51	3991275	Brace, Tube	163
3939837	Injector	149	3991276	Brace, Tube	163
3939850	Pump, Fuel Injection TLA	73	3991277	Brace, Tube	163
3939851	Pump, Fuel Injection TLA	71	3991306	Screw, Hex Flange Head	
3940245	Gasket, Hydraulic Pump	117		Cap	53, 55, 83, 85
3940386	Seal, O Ring	201	3991512	Tube, Air Fuel Control	43, 45
3940631	Connection, Water Outlet	199	3992026	Decal	3, 4
3940632	Thermostat	29	4025270	Kit, Front Seal Service	93, 95, 97, 210
3941786	Carrier, Seal	93, 95, 97	4025271	Set, Upper Engine Gasket	214
3942535	Seal, Oil	93, 95, 97	4058964	Resistor, Corrosion	195
3942895	Support, Fan	37, 39	4063496	Gasket, Lub Oil Clr Cover	109
3942896	Support, Fan	37, 39	4063520	Plate, Cover	18, 21
3943408	Spacer, Mounting	115	4063526	Injector	145
3943808	Plug, Expansion	111, 112	4089241	Block, Cylinder	7
3943885	Screw, Hex Flange Head		4089274	Kit, Turbocharger	155, 157, 159,
	Cap	13, 15, 17			161, 167
3944141	Connection, Water Inlet	197	4089276	Injector	137
3944153	Bearing, Main	9	4089277	Injector	129, 133
3944154	Bearing, Main	9	4089278	Injector	141
3944155	Bearing, Main	9	4089321	Kit, Turbocharger	165
3944156	Bearing, Main	9			
3944157	Bearing, Main	9			
3944158	Bearing, Main	9			
3944159	Bearing, Main	9			
3944160	Bearing, Main	9			
3944161	Bearing, Main	9			
3944162	Bearing, Main	9			
3944163	Bearing, Crankshaft Thrust	9			
3944164	Bearing, Crankshaft Thrust	9			
3944165	Bearing, Crankshaft Thrust	9			
3944166	Bearing, Crankshaft Thrust	9			
3944167	Bearing, Crankshaft Thrust	9			
3944168	Bearing, Crankshaft Thrust	9, 213			
3944169	Bearing, Crankshaft Thrust	9, 213			
3944293	Gasket, Gear Housing	13, 15, 17			
3944311	Support, Alternator	33			
3944312	Brace, Alternator	33			
3944429	Connection, Water Outlet	198			
3944683	Gasket, Breather	18, 19, 21			
3944714	Hose, Plain	19			
3944720	Connection, Water Inlet	196			
3944874	Screw, Hex Flange Head				
	Cap	109			
3944979	Support, Front Engine	34			
3945212	Elbow, Plain Union	68			
3945329	Bushing	7			
3945603	Gasket, Connection	196, 197			
3945917	Kit, PDC	9, 213			
3945918	Kit, PDC	9, 213			
3945919	Kit, PDC	9, 213			
3945920	Kit, PDC	9, 213			
3945921	Kit, PDC	9, 213			
3945928	Bearing, Crankshaft Thrust	9, 213			
3945967	Plunger, Prs Regulator	109			
3948043	Cover, Gear	93			
3948044	Cover, Gear	95			
3948045	Cover, Gear	97			
3948068	Hose, Molded	19			
3948072	Pump, Lubricating Oil	113			
3948079	Tube, Tur Oil Drain	187			
3948080	Clamp, Spring Hose	19			
3948095	Liner, Cylinder	7			
3963983	Washer, Sealing	43, 45, 51, 76, 79, 211, 214			
3990881	Connector, Banjo	43, 45			
3991038	Hose, Plain	187, 189			

Cummins Customized Parts Catalog

Cummins is pleased to announce the availability of a parts catalog compiled specifically for you. Unlike the generic versions of parts catalogs that support general high volume parts content; Cummins Customized catalogs contain only the new factory parts that were used to build your engine.

The catalog cover, as well as the content, is customized with you in mind. You can use it in your shop, at your worksite, or as a coffee table book in your RV or boat. The cover contains your name, company name, address, and telephone number. Your name and engine model identification even appears on the catalog spine. Everybody will know that Cummins created a catalog specifically for you.

This new catalog was designed to provide you with the exact information you need to order parts for your engine. This will be valuable for customers that do not have easy access to the Cummins Electronic Parts Catalog or the Cummins Parts Microfilm System.

Additional Features of the Customized Catalog include:

- Engine Configuration Data
- Table of Contents
- Separate Option and Parts Indexes
- Service Kits (when applicable)
- ReCon Part Numbers (when applicable)

ORDERING THE CUSTOMIZED PARTS CATALOG

Ordering by Telephone:

North American customers can contact their Cummins Distributor or call Gannett Direct Marketing Services at 800-646-5609 and order by credit card. Outside North America order on-line or make an International call to Gannett at ++-502-454-6660

Ordering On-Line

The Customized Parts Catalog can be ordered On-Line from the Cummins Powerstore by credit card. Contact the Powerstore at **WWW.CUMMINS.POWERSTORE.COM**

Contact GDMS or the CUMMINS POWERSTORE for the current price; Freight may be an additional expense.

Information we need to take your Customized Parts Catalog Order. This information drives the cover content of the CPC.

- Customer Name
- Street Address
- Company Name (optional)
- Telephone No.
- Credit Card No.
- Cummins Engine Serial Number (located on the engine data plate)

Unfortunately not all Cummins Engines can be supported by this parts catalog. Engines older than 1984 or newer than 3 months may not have the necessary parts information to compile a catalog. We will contact you if this occurs and explain why we are unable to fill your order.

Customized Parts Catalogs are produced specifically for a single customer. This means they are not returnable for a refund. If we make an error and your catalog is not useable, we will correct that error by sending you a new catalog.

Cummins Inc.
Box 3005
Columbus, Indiana, U.S.A., 47202

Registered Office
Cummins Engine Company, Ltd.
46-50 Coombe Road
New Malden,
Surrey KT3 4QL,
England
Registration No. 573951 England

Copyright© 2002
Cummins Inc.