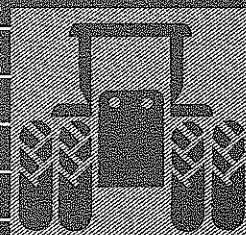
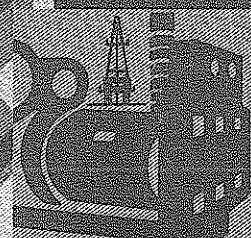
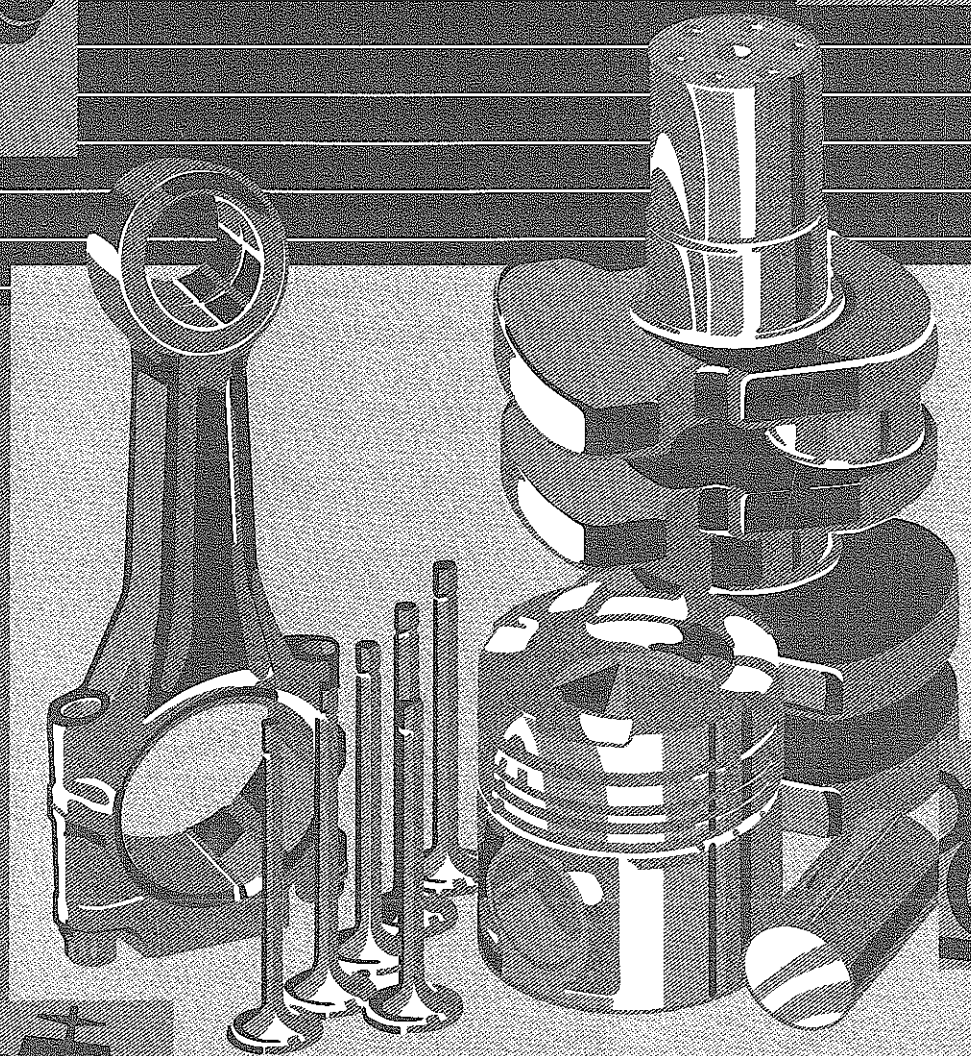
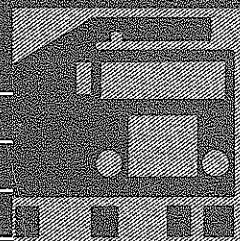


# Parts Catalog

## QSX15

Generator Drive

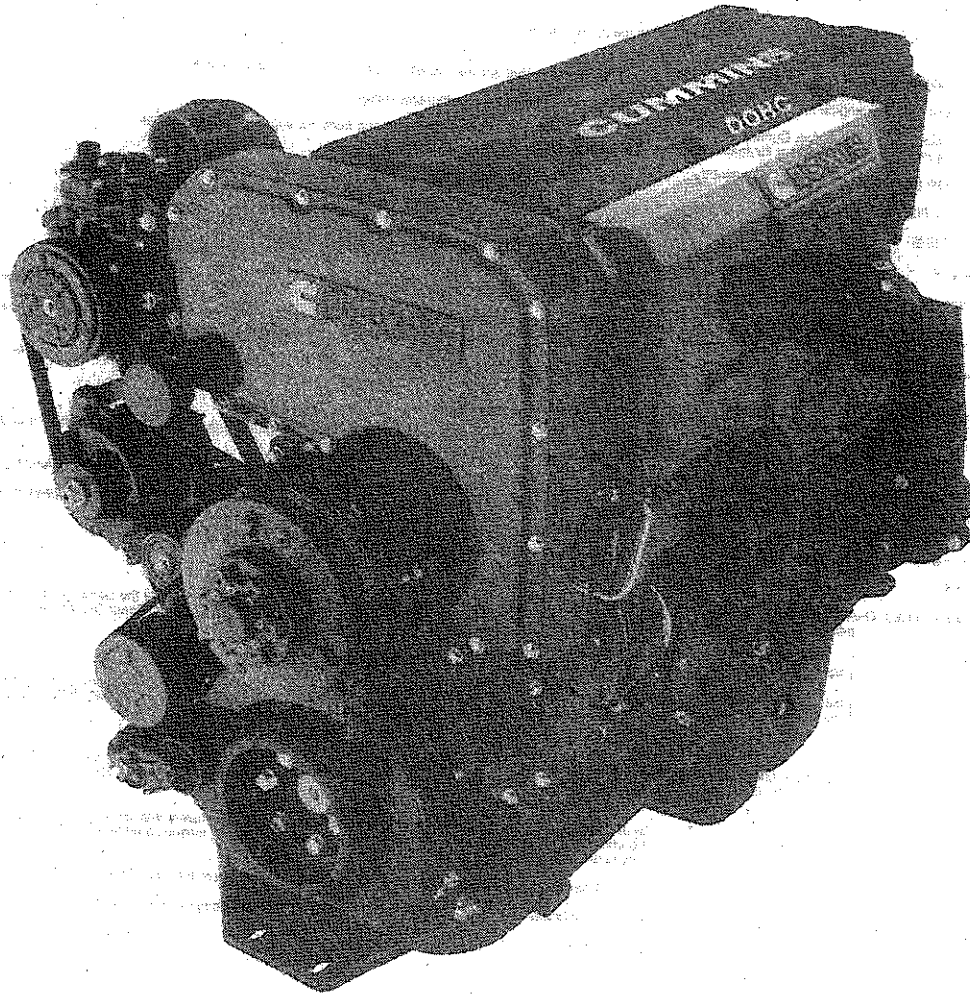




# Parts Catalog

## QSX15

Generator Drive







## Cummins Inc.

### New Parts Warranty Heavy Duty

#### COVERAGE

##### PRODUCTS WARRANTED

These warranties apply to New Parts marketed by Cummins for its engines (except those for A, B, and C series engines). They apply anywhere in the world where service is available through a Cummins distributor or full service dealer.\*

##### BASE WARRANTY

The Base Warranty covers any failures of parts on or after March 31, 1986, which result, under normal use and service, from defects in workmanship or material (Warrantable Failures). The coverage on cylinder kits designated by Cummins as "Premium Plus" extends two years, 200,000 miles (321,870 kilometers) or 7,200 hours of operation, whichever occurs first, from the date of first installation. The coverage on other parts extends one year, 100,000 miles (160,935 kilometers) or 3,600 hours of operation, whichever occurs first, from the date of first installation.

##### EXTENDED MAJOR COMPONENTS WARRANTY

The Extended Major Components Warranty covers Warrantable Failures on or after March 31, 1986, of engine cylinder blocks, crankshafts, flangeless NT camshafts\*\* and connecting rods (Covered Parts). Bushing and bearing failures are not included. This coverage begins with the expiration of the Base Warranty and ends three years, 300,000 miles (482,805 kilometers) or 10,800 hours of operation, whichever occurs first, from the date of first installation.

Both the Base Warranty and Extended Major Components Warranty apply to all Owners in the chain of distribution, and coverage continues to all subsequent Owners until the end of the respective periods of coverage.

#### CUMMINS RESPONSIBILITIES

##### DURING THE BASE WARRANTY

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 Operation 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.

When the parts are installed in a non-automotive engine, Cummins will pay reasonable travel expenses for mechanics to and from the engine site, or the repair dock in the case of a marine engine including meals, mileage and lodging when it is necessary for mechanics to make on-site warranty repairs.

##### DURING THE EXTENDED MAJOR COMPONENTS WARRANTY

Cummins will pay for the Covered Part and for any Covered Part damaged by a Warrantable Failure of another Covered Part.

#### OWNER RESPONSIBILITIES

##### DURING THE BASE WARRANTY

Before expiration of the warranty, Owner must give notice to a Cummins distributor or full service dealer\* of a failure considered to be warrantable and have the repair performed by such facility.

If the part was installed in an automotive engine, the Owner must deliver the engine to the repair location. If installed in a marine engine, Owner is responsible for the cost of towing the boat to a repair dock and for any associated docking and harbor charges.

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.

##### DURING THE EXTENDED MAJOR COMPONENTS WARRANTY

Before expiration of the warranty, Owner must give notice to a Cummins distributor or full service dealer\* of a failure considered to be warrantable and deliver the defective and damaged Covered Parts to such facility.

Owner is responsible for the cost of all parts needed for the repair except for the defective Covered Part and for any Covered Part damaged by a Warrantable Failure of another Covered Part.

Owner is responsible for the cost of all labor needed to repair the engine, including the labor to remove and reinstall the engine. When Cummins elects to repair a part instead of replacing it, Owner is not responsible for the labor needed to repair the part.

Owner is responsible for the cost of lubricating oil, antifreeze, filter elements and other maintenance items replaced during the repair.

##### DURING BOTH WARRANTIES

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.

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 "down time" expenses, cargo damage and all business costs and losses resulting from a Warrantable Failure. CUMMINS IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

#### LIMITATIONS

Cummins is not responsible for failures resulting from Owner or Operator abuse or neglect, such as: operation without adequate coolant, fuel 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.

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, steering pumps, transmissions, torque converters, marine gears, air cleaners, filters and non-Cummins air compressors, power steering pumps, and engine compression brakes.

Parts provided 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.


**INVEST IN THE BEST**


## Product Identification Information

Data plates should be referred for parts identification.

### 1. ENGINE DATA PLATE

Engine No.	Advert. HP	at	RPM	Family		
Model	Advert. HP	at	RPM	Family		
S.O. No.	Valve Lead Cold	Int.	Exh.	CPL		
Date of Mfg.	Inj. Set	Manufactured by	Family	Warranty St. Data		
Ref. No.						

1. 

2. 

ap6000ga

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

This catalog was compiled by Garry Wilber in Parts Communications.

## Customer Service Information

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

QSX15 Generator Drive

D103003GX03

CPL 8081, CPL 2900

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

### Control Parts List (CPL) Components

Camshaft  
Cylinder Head  
Injector

Page 66, 74  
Page 65, 73  
Page 69, 77

Engine Piston  
Turbocharger  
Exhaust Manifold

Page 83, 87  
Page 71, 79  
Page 98

### 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. \_\_\_\_\_

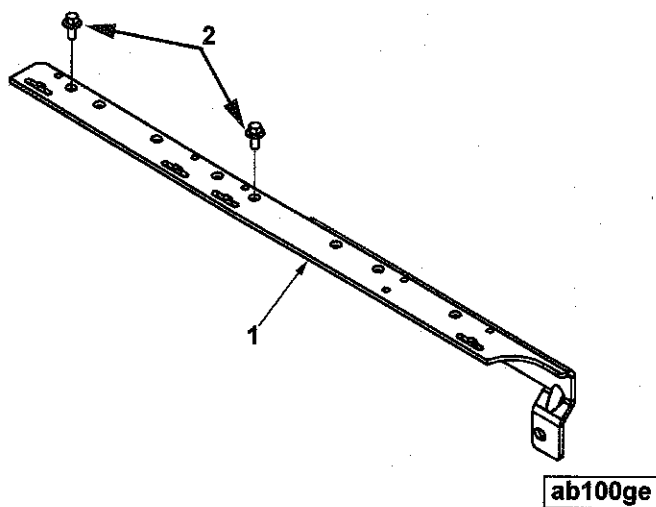
Element, Fuel Filter \_\_\_\_\_ Full Flow Lub. Filter \_\_\_\_\_

Air Cleaner \_\_\_\_\_ By-Pass Lub. Filter \_\_\_\_\_

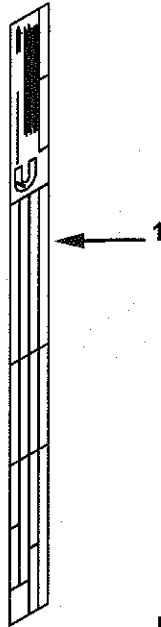
Special Equipment \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# Table of Contents

	Page No.		Page No.
Accessories, Ele Starting .....	95	Valve Cover .....	105
Accessory Support .....	2, 14	Vibration Damper .....	21
Agency Approval .....	3, 4	Water Inlet Connection .....	109
Air Intake Connection .....	46	Water Pump .....	111
Air Transfer Connection .....	47	Option Number Index .....	A-1
Alternator .....	23	Part Number Index .....	B-1
Alternator Drive .....	26		
Alternator Mounting .....	25		
Camshaft .....	66, 74		
Coolant Heater Starting .....	20		
Corrosion Resistor .....	106		
Crankcase Breather .....	17		
Crankshaft .....	11		
Cylinder Block .....	7		
Cylinder Head .....	65, 73		
Cylinder Liner Kit .....	8		
Electric Starting .....	93		
Electronic Control Module .....	63		
Engine Barring Drive .....	19		
Engine Control Module .....	61		
Engine Oil Cooler .....	49		
Engine Piston .....	83, 87		
Fan Drive .....	29, 31		
Flywheel .....	42, 43		
Flywheel Housing .....	35, 37		
Front Engine Support .....	27		
Front Gear Cover .....	45		
Fuel Filter .....	32		
Fuel Pump .....	39		
Full Flow Oil Filter .....	50		
Gear Housing/Idler Gears .....	13		
Injector .....	69, 77		
Kits & Sets .....	114		
Lube Oil Pump .....	54		
Noise Isolator .....	80		
Oil Filler Arrangement .....	57		
Oil Level Gauge .....	53		
Oil Pan .....	59		
Piston Cooling Nozzle .....	81, 84		
Radiator Plumbing .....	92		
Rocker Lever .....	89		
Starting Motor .....	97		
Starting Motor Mounting .....	96		
Thermostat .....	22		
Thermostat Housing .....	101		
Turbocharger .....	71, 79		
Turbocharger Arrangement .....	98		
Turbocharger Plumbing .....	103		



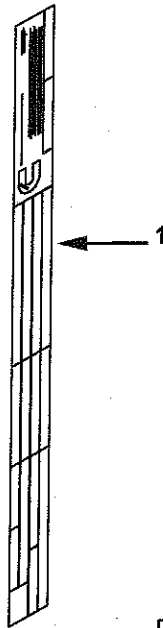
Ref No.	Part Number	Part Name	Req	Remarks
		<b>ACCESSORY SUPPORT OPTION AB1701</b>		
1	3100182	Bracket, Cus Accessory	1	Bracket located on the top left side of engine. No fuel system or electronic control module covers are included.
2	3900629	Screw, Hex Flange Head Cap	2	M8 X 1.25 X 16.



ap100gm

Ref No.	Part Number	Part Name	Req	Remarks
1	3412327 (4905219)	Dataplate Tape	1 1	AGENCY APPROVAL OPTION AP1031  Certified By: EPA,CARB Application: Corporate Generator Set Engine Only Certification Level: Tier 1 Centinel: No.

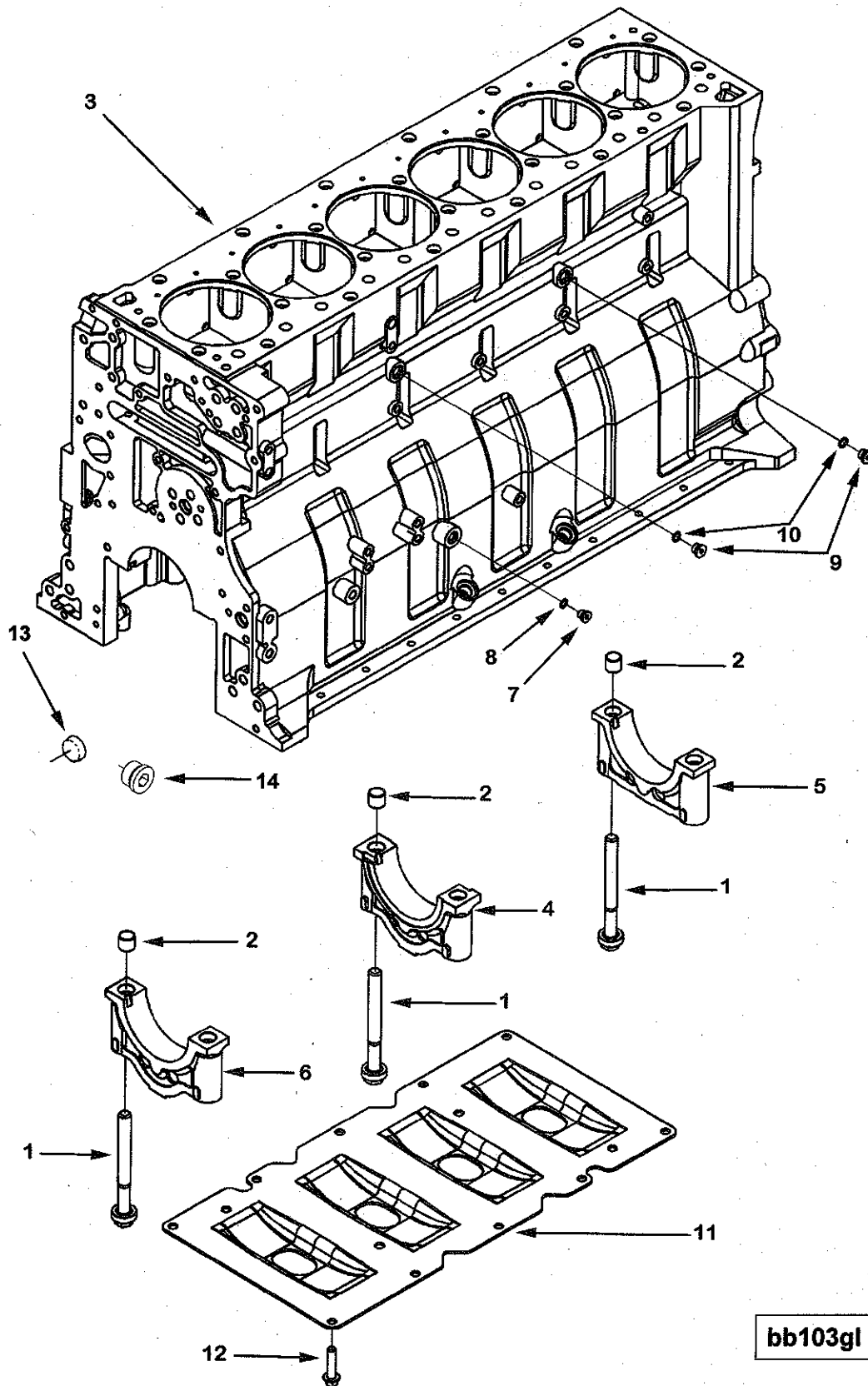




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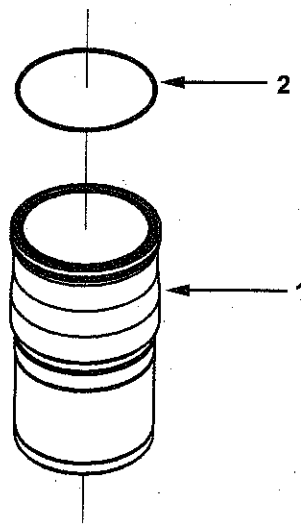
Ref No.	Part Number	Part Name	Req	Remarks
1	3100112 (4905219)	Dataplate Tape	1 1	AGENCY APPROVAL OPTION AP1037  Certified By: Non-Certified Application: Corporate Generator Set Engine Only Centinel: No

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bb103gl

Ref No.	Part Number	Part Name	Req	Remarks
		<b>CYLINDER BLOCK OPTION BB1728</b>		Cylinder Block Application: Industrial CPL Family: ISX2 or ISX3 Gear housing accessory mounting hole size: 6mm Lower idler gear: scissors type Cast iron gear cover mounting provision: Yes Thermostat housing compatible Dual thermostat Cylinder block plumbing hardware structured: In cylinder block option Does include cylinder liner
	4089161	Block, Cylinder (kit)	1	
	(3682862)	Block, Cylinder	1	
1	3678506	Screw, Hex Flange Head Cap	14	
2	3678507	Dowel, Ring	14	
3	(3683265)	Block, Cylinder	1	
4	(3680246)	Cap, Main Bearing	1	
5	3688547	Cap, Main Bearing	1	#1
6	3688549	Cap, Main Bearing	5	#'s 2,3,5,6,7
7	3678610	Plug, Threaded	1	
8	3678603	Seal, O Ring	1	
9	3678921	Plug, Threaded	2	
10	3678912	Seal, O Ring	1	
13	3007636	Plug, Expansion	1	
14	3679334	Plug, Expansion	1	
11	3680425	Plate, Cyl Blk Stiffening	1	
12	3680781	Screw, Hex Flange Head Cap	10	

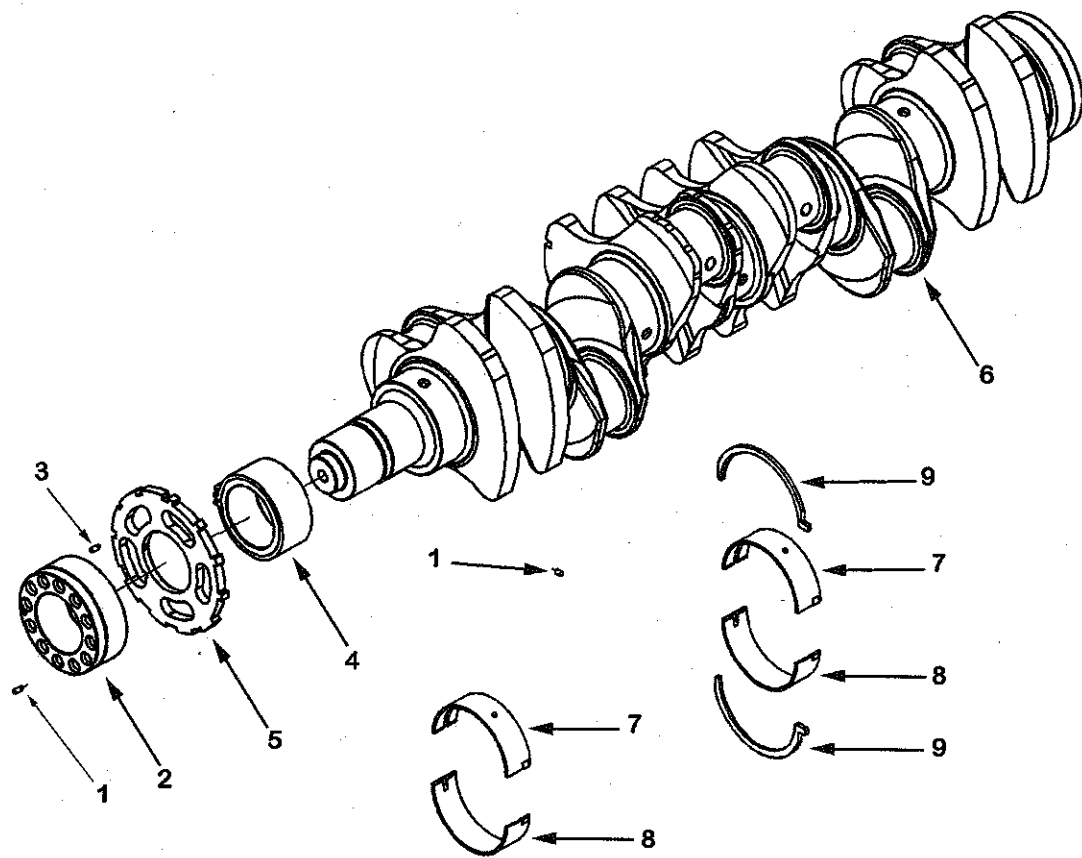


bb103go

Ref No.	Part Number	Part Name	Req	Remarks
		<b>CYLINDER LINER KIT</b> <b>OPTION BB1728</b>		
1	4089153	Kit, Cylinder Liner	1	
2	(4101507)	Liner, Cylinder	6	
	3678738	Seal, O Ring	6	

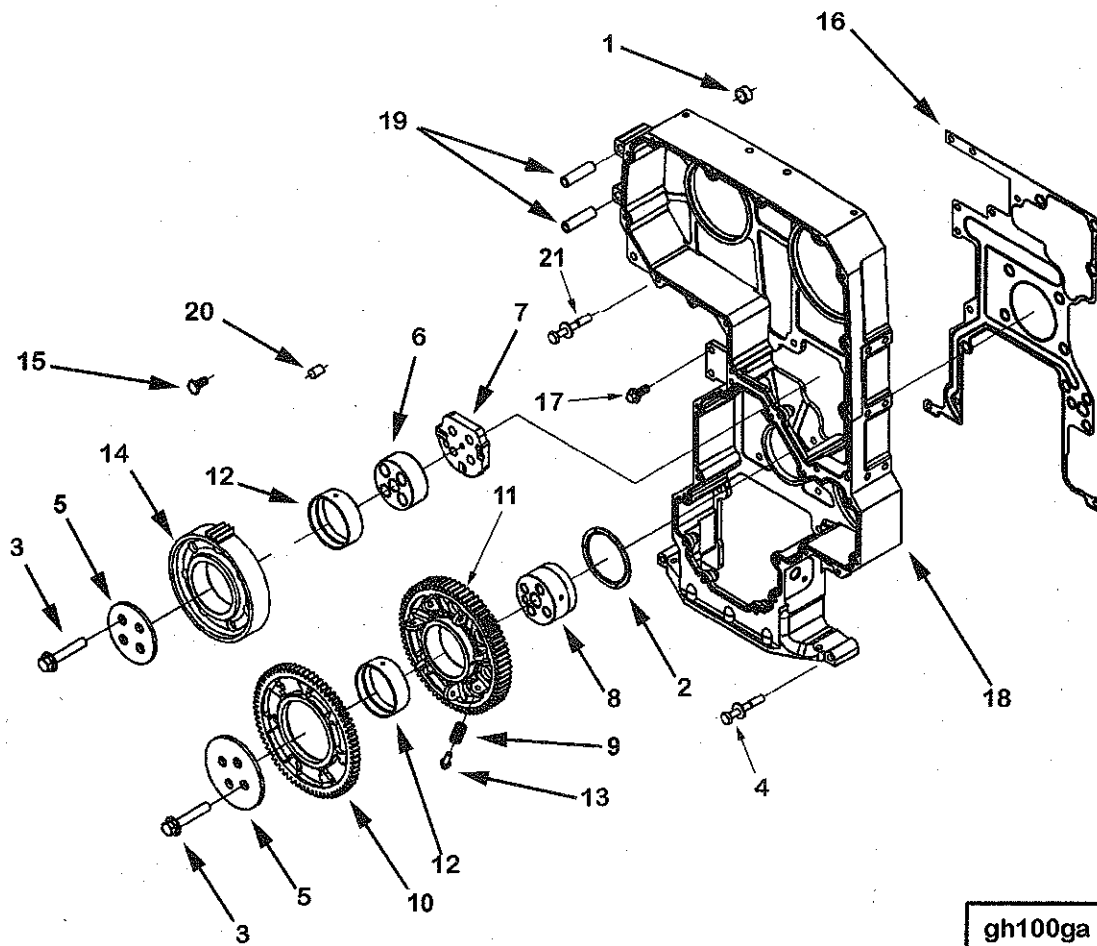


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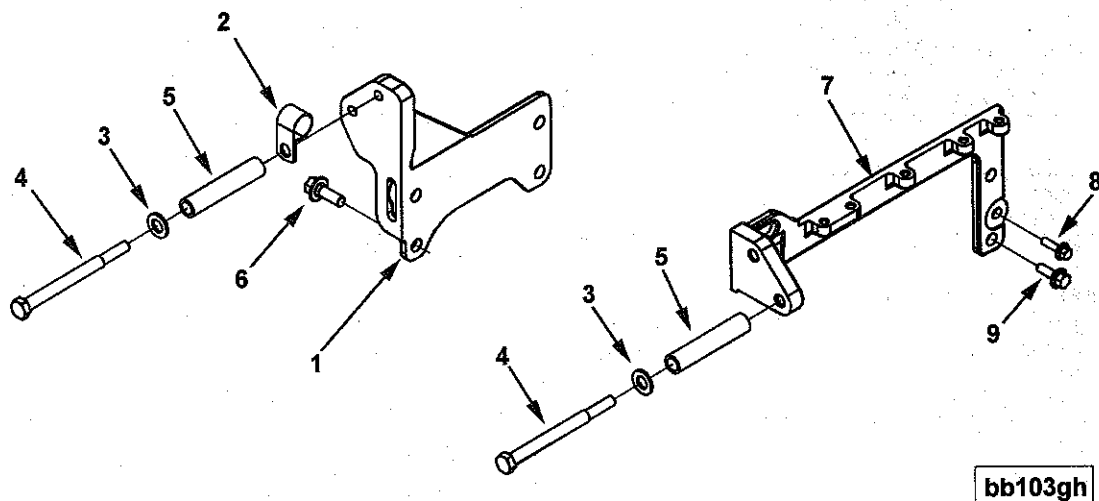
bb102gn

Ref No.	Part Number	Part Name	Req	Remarks
		<b>CRANKSHAFT</b>		
		<b>OPTION BB1728</b>		
	4923646	Crankshaft, Engine	1	
1	3068935	Dowel, Pin	2	
2	3680503	Adapter, Crankshaft	1	
3	3681054	Dowel, Pin	1	
4	3680542	Gear, Crankshaft	1	
5	3681194	Ring, Speed Indicator	1	
6	(4920289)	Crankshaft, Engine	1	
	3800298	Set, Main Bearing (std)	1	
7	3678555	Bearing, Main	7	
8	3678556	Bearing, Main	7	
9	3680202	Bearing, Crankshaft Thrust	4	



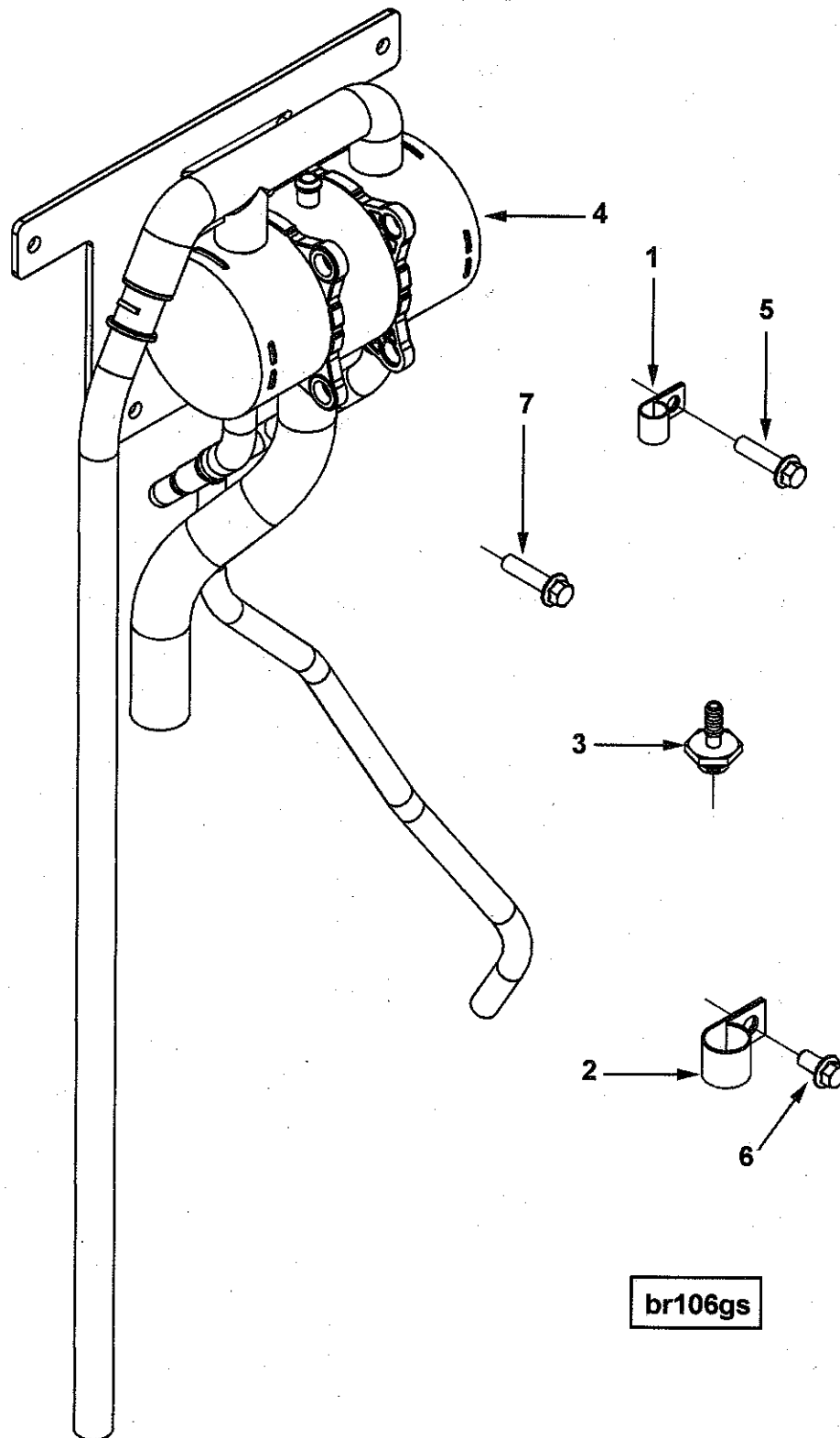
Ref No.	Part Number	Part Name	Req	Remarks
		<b>GEAR HOUSING/IDLER GEARS</b>		
		<b>OPTION BB1728</b>		
1	3678871	Dowel, Ring	2	
2	3681149	Bearing, Thrust	1	
3	3681174	Screw, Hex Flange Head Cap	8	
4	3412921	Screw, Hex Flange Head Cap	3	
5	3681273	Retainer, Gear	2	
6	3680239	Shaft, Idler	1	
7	3680240	Spacer, Mounting	1	
8	3680260	Shaft, Idler	1	
	3680546	Gear, Idler	1	
9	3680212	Spring, Compression	7	
10	3680544	Gear, Idler	1	
12	3680201	Bushing	1	
13	3900631	Screw, Hex Flange Head Cap	7	M8 X 1.25 X 25.
	3681144	Gear, Idler	1	
12	3680201	Bushing	1	
14	(3681143)	Gear, Idler	1	
15	3680866	Screw, Hex Flange Head Cap	1	
16	4101883	Gasket, Gear Housing	1	
17	3680882	Screw, Captive Washer Cap	15	
	4059393	Housing, Gear	1	
18	(4059383)	Housing, Gear	1	
19	3680086	Spacer, Mounting	2	
20	3900257	Dowel, Pin	4	
21	3681268	Screw, Captive Washer Cap	1	



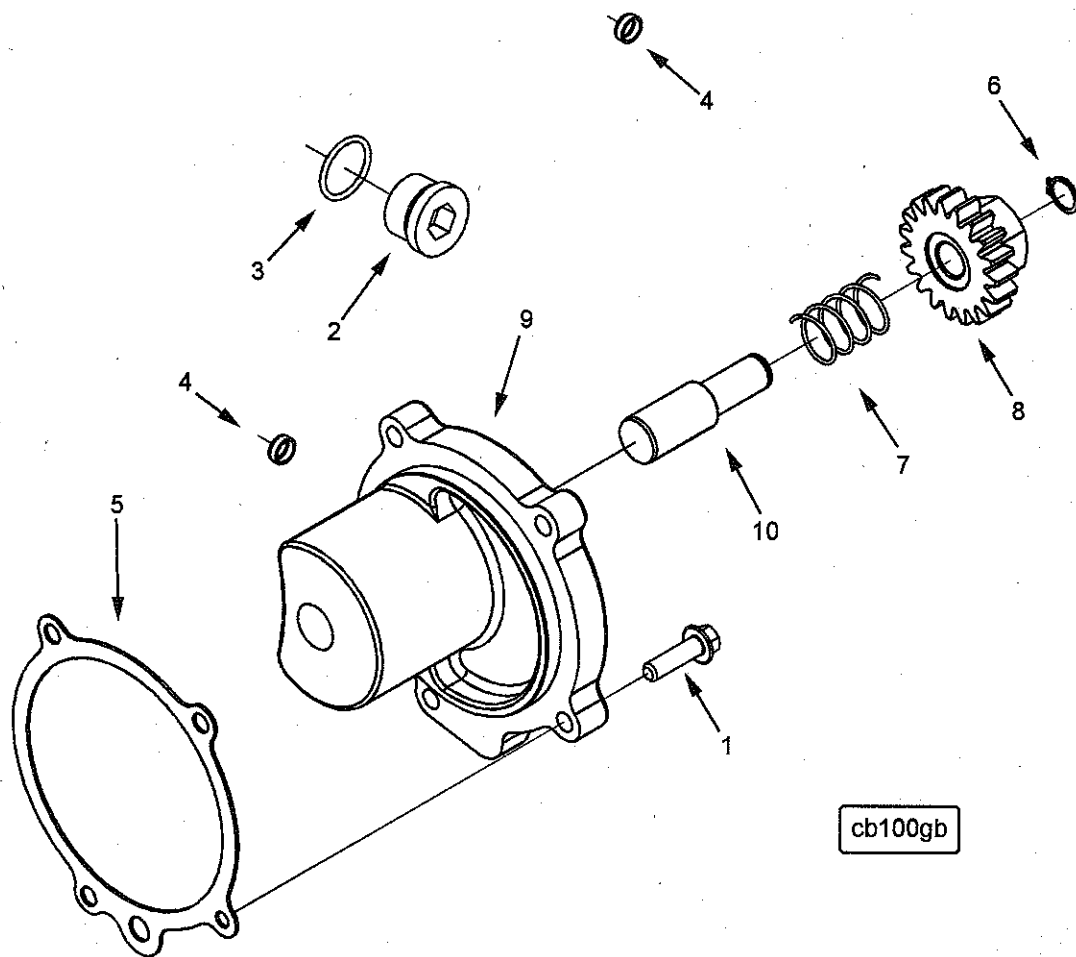


Ref No.	Part Number	Part Name	Req	Remarks
		<b>ACCESSORY SUPPORT OPTION BB1728</b>		
1	3100190	Support, Accessory	1	
2	69465	Clip	1	
3	3035806	Washer, Plain	4	M12
4	3093773	Screw, Hexagon Head Cap	4	
5	3681584	Spacer, Mounting	4	
6	3900637	Screw, Hex Flange Head Cap	3	M12 x 1.75 x 35
7	3910495	Screw, Hex Flange Head Cap	3	M12 x 1.75 x 30
8	3100196	Support, Accessory	1	
9	3900631	Screw, Hex Flange Head Cap	1	M8 x 1.25 x 25
10	3902460	Screw, Hex Flange Head Cap	2	M10 x 1.50 x 25

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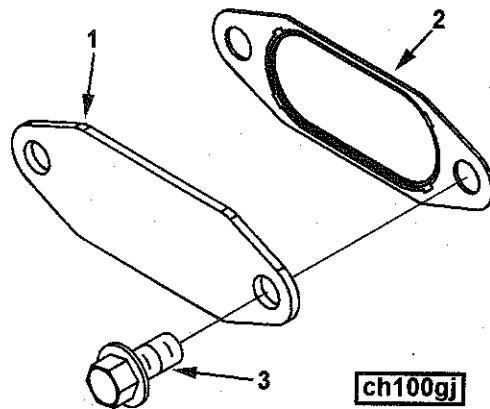


Ref No.	Part Number	Part Name	Req	Remarks
		<b>CRANKCASE BREATHER OPTION BR1250</b>		<p>Crankcase breather</p> <p>Provides a dual impactor crankcase breather located high on the front left side of the engine block.</p> <p>Approximate coordinate location from horizontal centerline of crankshaft: 300mm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

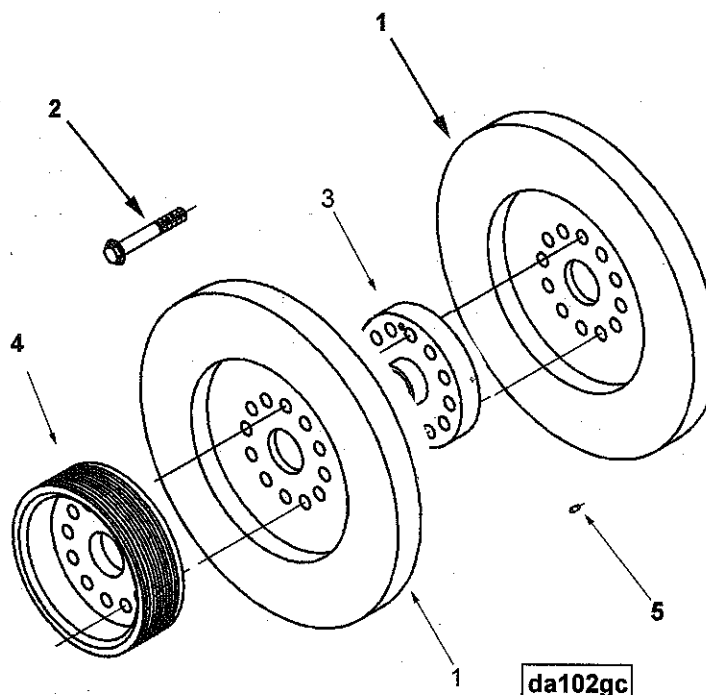




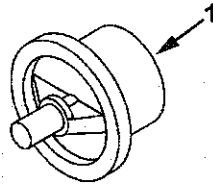
Ref No.	Part Number	Part Name	Req	Remarks
		<b>ENGINE BARRING DRIVE OPTION CB1704</b>		Provides an engine barring device and 3 plugs are added in the absence of an air compressor or hydraulic drive. The barring device is provided in the accessory drive location on the backside of the gear housing left side of engine. Approximate coordinate location from horizontal Centerline of crankshaft: 166mm from vertical centerline of crankshaft: 224mm from front face of block: 0mm the barring device is a 2:1 reduction and Requires a 1.5 inch (38.1mm) standard drive socket.
1	3903464	Screw, Hex Flange Head Cap	4	
	3678838	Plug, Threaded	1	
2	(3678845)	Plug, Threaded	1	
3	3678846	Seal, O Ring	1	
4	3679334	Plug, Expansion	2	
5	3680443	Gasket, Acc Drive Support	1	
	3681704	Device, Engine Barring	1	
6	102243	Ring, Retaining	1	
7	3681425	Spring, Compression	1	
8	3681702	Gear, Engine Barring	1	
	3681703	Housing, Engine Barring	1	
9	3681698	Housing, Engine Barring	1	
10	3681701	Shaft, Barring	1	



Ref No.	Part Number	Part Name	Req	Remarks
		<b>COOLANT HEATER STARTING OPTION CH1011</b>		
1	3688556	Plate, Cover	1	Heater element supplier: None.
2	3688557	Gasket, Heater	1	
3	3093957	Screw, Hex Flange Head Cap	2	M10 x 1.50 x 16

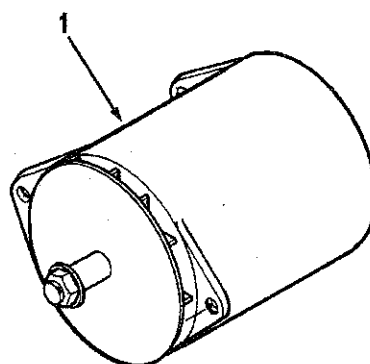


Ref No.	Part Number	Part Name	Req	Remarks
		<b>VIBRATION DAMPER OPTION DA1229</b>		Intended Drive: Belt driven fan or off engine customer driven fan Includes two viscous vibration dampers and crank shaft pulley with no front PTO provision. Crank Pulley Diameter: 186.23 mm (7.33 in). Crank Pulley Groove Type: Poly Vee 12 rib "K". Crank Pulley Groove Location: 190.95 mm (7.51 in). Vibration Damper Quantity: Two 50 HP maximum.
1	4101884	Damper, Vibration	2	
2	3681583	Screw, Hexagon Head Cap	12	
3	3681595	Spacer, Mounting	1	
4	3101376	Pulley, Crankshaft	1	
5	3068935	Dowel, Pin	2	



th104ga

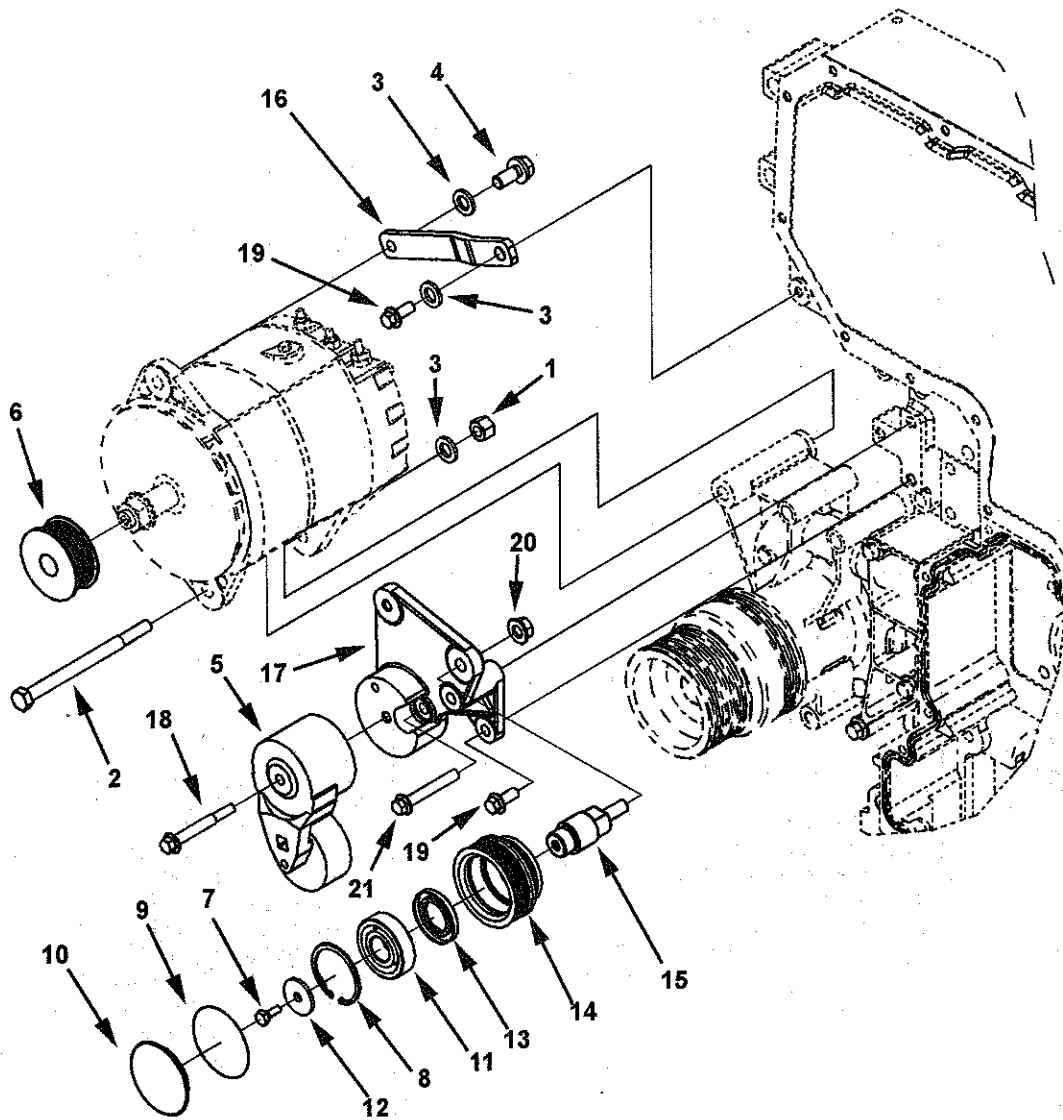
Ref No.	Part Number	Part Name	Req	Remarks
1	3335550 (3335549) 3335548	THERMOSTAT OPTION EC1722  Thermostat Thermostat Seal, Thermostat	2 1 1	Operating range: 180 degrees (open) .435" stroke. Number of thermostats: 2



ea100gb

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





eh101gg

Ref No.	Part Number	Part Name	Req	Remarks
		<b>ALTERNATOR MOUNTING OPTION EH1083</b>		<p>Alternator mounting alternator quantity: One</p> <p>For Use With: Alternators with body diameters less than 152.4mm (6.0 inch) such as Bosch N1, Delco 20si, or Delco 22si maximum alternator output: 135amps / 12volt or 70amps / 24volt mounting location: Right side drive location: Water pump pulley alternator pulley supplied: On engine altitude pulley diameter: 67.99mm (2.68in) altitude pulley groove: Poly vee 6rib "K"</p> <p>Belt Tensioner: Automatic required drive pulley diameter: 103.63mm (4.08in) bracket attachment method: Spool horizontal attachment point: 322mm (12.68in) vertical attachment point: 210mm (8.27in) front face of block to first groove: 133.16mm (5.24in)</p> <p>Belt Supplied: Yes Drive Ratio: 3.06:1</p> <p>Additional Information: For Use With Sanden refrigerant compressor model SD7 h15.</p>
1	70897	Nut, Lock	1	1/2 - 20 UNF.
2	4022822	Screw, Hexagon Head Cap	1	1/2 - 20 x 6 1/2 inch
3	3895517	Washer, Plain	2	1 inch
4	3063567	Screw, Captive Washer Cap	1	1/2 - 13 X 1 1/4 Inch.
5	3102433	Tensioner, Belt	1	
6	3680082	Pulley, Alternator	1	
	(3680196)	Pulley, Idler TLA	1	
7	S 107	Screw, Hexagon Head Cap	1	5/16 - 18 X 3/4 Inch.
8	S 16255	Ring, Retaining	1	
9	145551	Seal, O Ring	1	
10	3064404	Cover, Idler Pulley	1	
11	3064406	Bearing, Ball	1	
12	3035806	Washer, Plain	1	M12
13	3074482	Seal, Oil	1	
14	3680195	Pulley, Idler	1	
15	3680283	Shaft, Idler	1	
16	3681826	Link, Adjusting	1	
17	3681827	Support, Belt Tensioner	1	
18	3896408	Screw, Hex Flange Head Cap	1	M10 x 1.50 x 80
19	3902460	Screw, Hex Flange Head Cap	2	M10 x 1.50 x 25
20	3903210	Nut, Hexagon Flange	1	M12 x 1.75
21	3904446	Screw, Hex Flange Head Cap	2	M10 x 1.50 x 70