

Product: VIBRATORY COMPACTOR

Model: CB-534D VIBRATORY COMPACTOR FEA

Configuration: CB-534D CB-534DXW Vibratory Compactor FEA00001-UP (MACHINE) POWERED BY 3054C Engine

Disassembly and Assembly 3054C Engines for Caterpillar Built Machines

Media Number -SEN5069-18

Publication Date -01/05/2015

Date Updated -19/09/2018

i05324845

Housing (Front) - Remove

SMCS - 1151-011

Removal Procedure

Start By:

- a. Remove the alternator. Refer to Disassembly and Assembly, "Alternator - Remove".
- b. Remove the crankshaft pulley. Refer to Disassembly and Assembly, "Crankshaft Pulley - Remove and Install".
- c. Remove the front cover. Refer to Disassembly and Assembly, "Front Cover - Remove and Install".
- d. Remove the engine oil pan. Refer to Disassembly and Assembly, "Engine Oil Pan - Remove and Install".
- e. Remove the idler gear. Refer to Disassembly and Assembly, "Idler Gear - Remove and Install".
- f. Remove the camshaft gear. Refer to Disassembly and Assembly, "Camshaft Gear - Remove and Install".
- g. Remove the air compressor, if equipped. Refer to Disassembly and Assembly, "Air Compressor - Remove and Install".

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

NOTICE

Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting, and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.

Refer to Special Publication, NENG2500, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat products.

Dispose of all fluids according to local regulations and mandates.

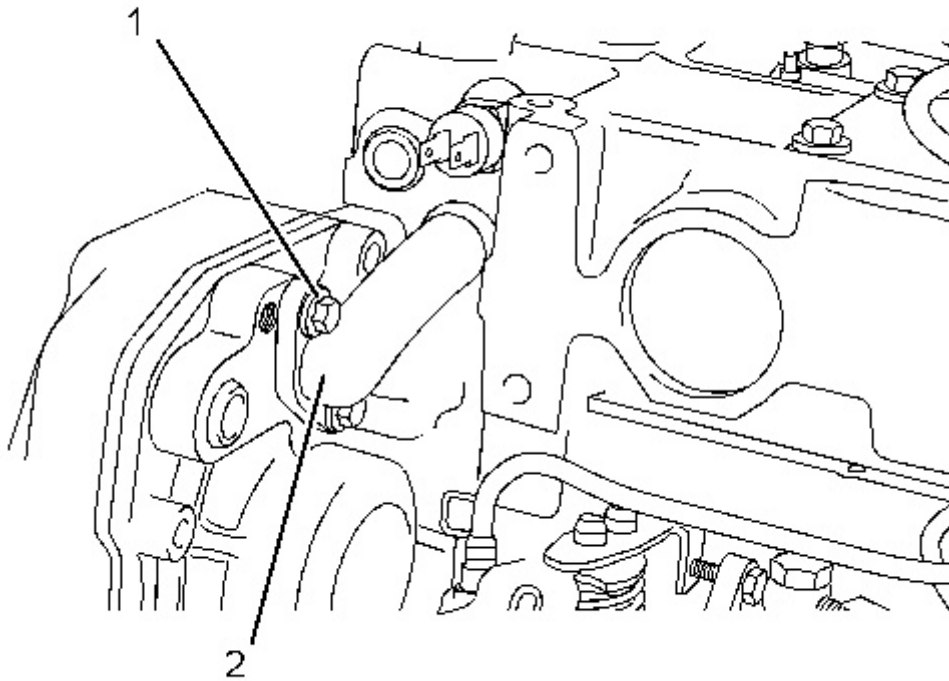


Illustration 1

g03373179

Typical example

1. Remove bolts (1). Remove bypass tube (2) from the cylinder head. Remove the O-ring seals from the bypass tube.
-

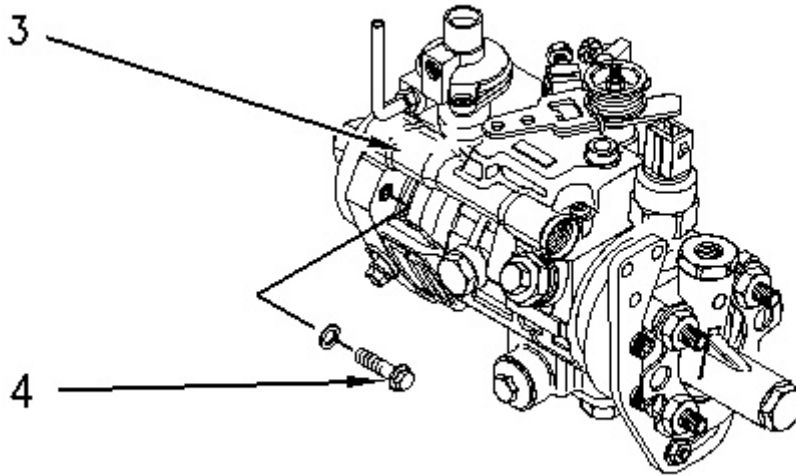


Illustration 2
Typical Example

g00994883

2. Remove bolts (4) that fasten fuel injection pump (3) to the front housing.
-

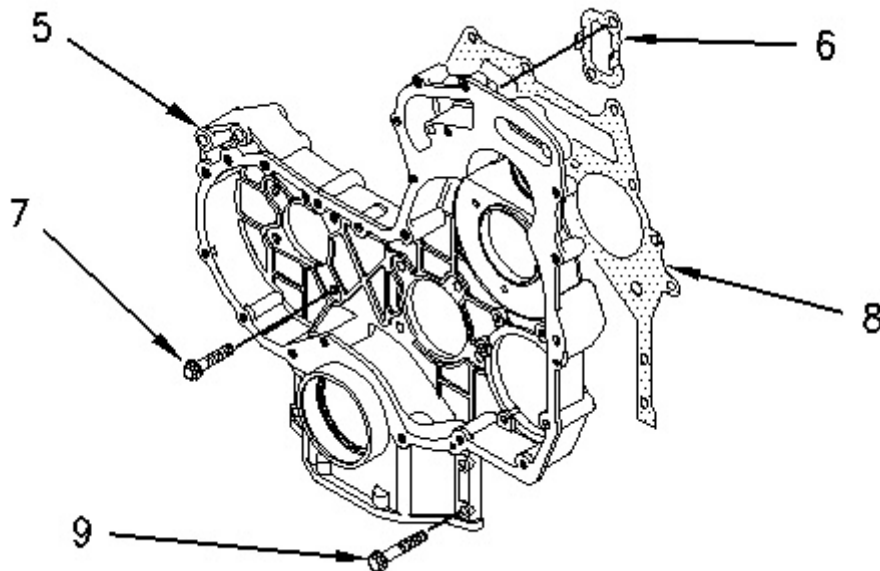


Illustration 3

g00985259

3. Remove bolts (7) and bolts (9) that fasten the front housing (5) to the cylinder block.
 4. Remove front housing (5). Remove gasket (8) from the cylinder block and the front housing.
 5. Remove gasket (6) from the back side of the front housing.
 6. Remove the O-ring seal from the fuel injection pump housing.
-

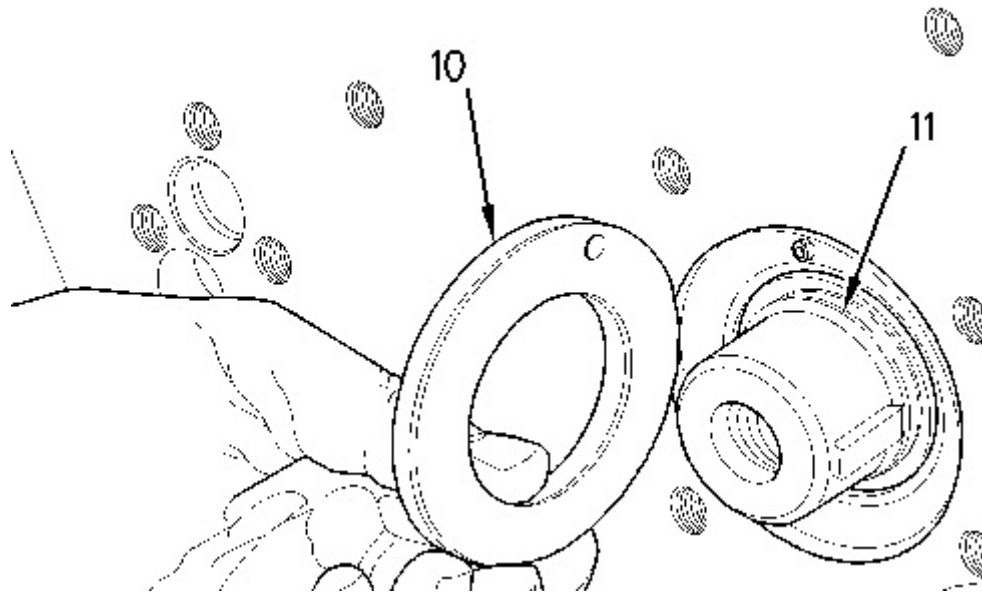


Illustration 4

g00985261

7. Remove thrust washer (10) from camshaft (11).

Product: VIBRATORY COMPACTOR

Model: CB-534D VIBRATORY COMPACTOR FEA

Configuration: CB-534D CB-534DXW Vibratory Compactor FEA00001-UP (MACHINE) POWERED BY 3054C Engine

Disassembly and Assembly 3054C Engines for Caterpillar Built Machines

Media Number -SEN5069-18

Publication Date -01/05/2015

Date Updated -19/09/2018

i05324846

Housing (Front) - Install

SMCS - 1151-012

Installation Procedure

Table 1

Tool	Part Number	Part Name	Qty
A	-	Guide Bolt (M8 X 1.25 by 70 mm)	2
B	5P-3975	Rubber Lubricant	-

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

1. Clean all mating surfaces thoroughly.
-

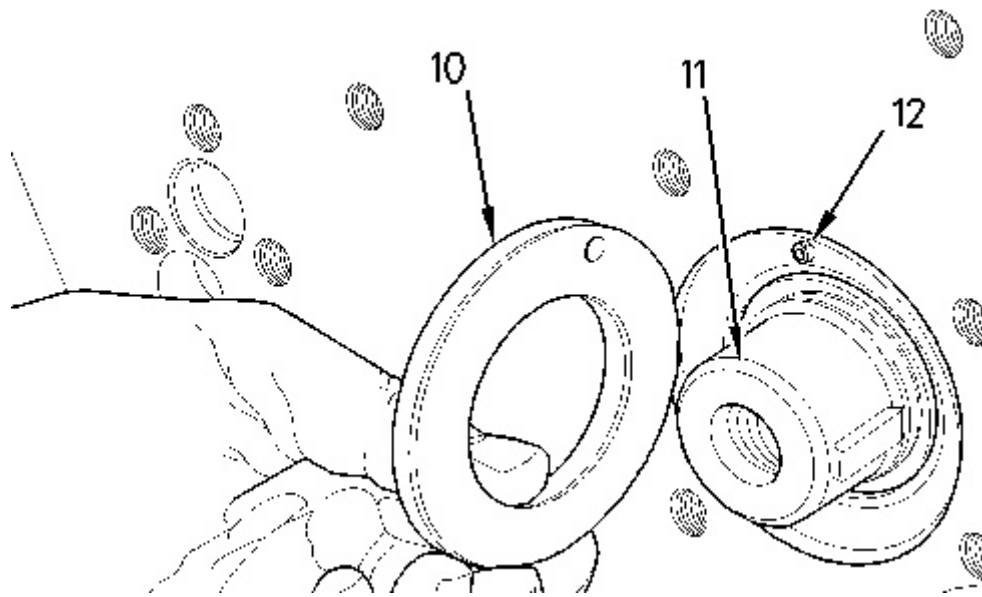


Illustration 1

g00954818

2. Ensure that thrust washer (10) is aligned with hollow dowel (12). Install the thrust washer on camshaft (11).
3. Install a new O-ring seal on the fuel injection pump housing.

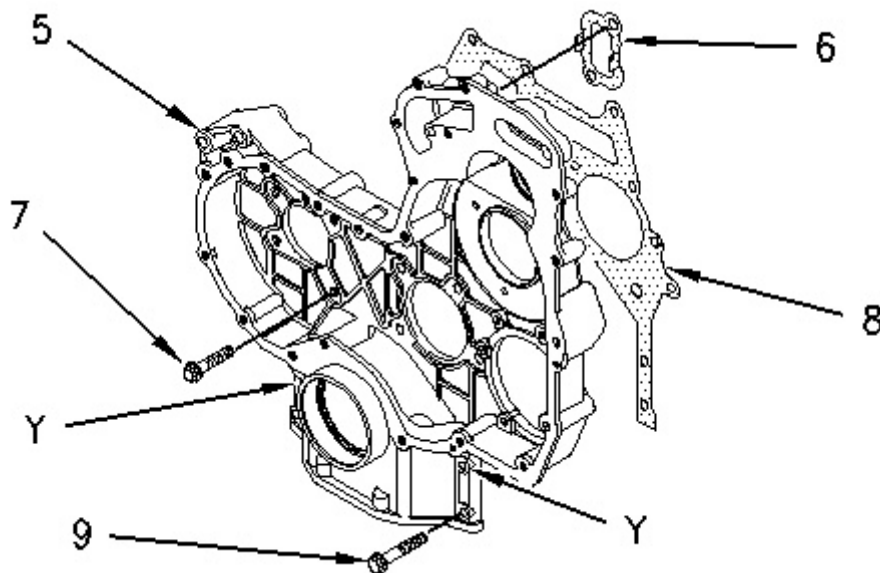


Illustration 2

g00995387

4. Install Tooling (A) in the cylinder block in Hole (Y).
5. Position gasket (8) on Tooling (A). Install gasket (6) on the back side of front housing (5).
6. Position front housing (5) on the cylinder block. Install bolts (7) and bolts (9). Remove Tooling (A) and install the remaining bolts in order to secure the front housing to the cylinder block. Tighten bolts (7) and bolts (9) finger tight at this time.

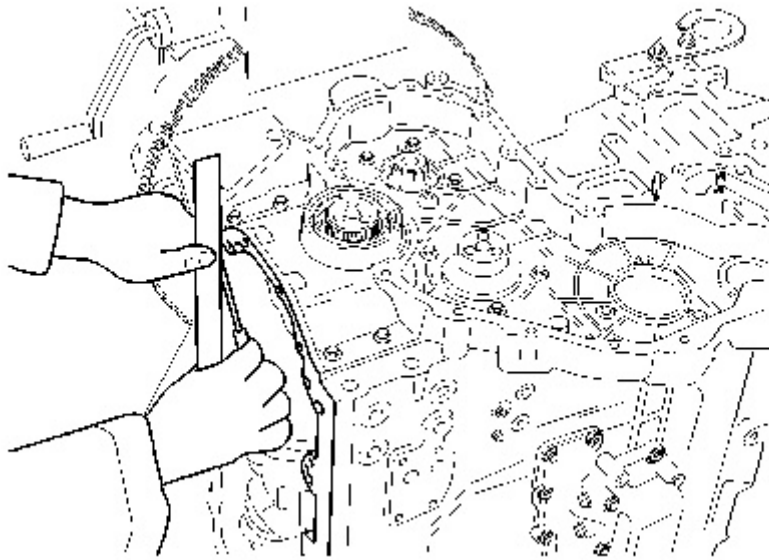


Illustration 3

g00954906

7. Align the front housing and the cylinder block.

Note: Ensure that the bottom of the front cover is aligned with the bottom of the cylinder block before the bolts are tightened. The alignment of the bottom face of the front cover and the bottom of the cylinder block must not exceed 0.00 ± 0.05 mm (0.000 ± 0.002 inch).

8. Tighten bolts (7) and bolts (9) to a torque of 22 N·m (16 lb ft).

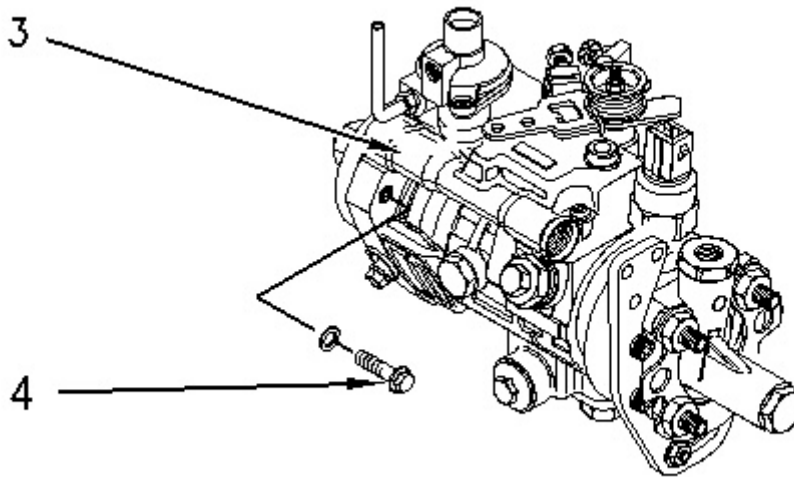


Illustration 4

g00994883

Typical Example

9. Install bolts (4) that fasten fuel injection pump (3) to the front housing. Tighten the bolts to a torque of 25 N·m (18 lb ft).

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com