

Product: EXCAVATOR

Model: 312E EXCAVATOR GAC

Configuration: 312E Excavator GAC00001-UP (MACHINE) POWERED BY C4.4 Engine

## **Disassembly and Assembly C4.4 Engines for Caterpillar Built Machines**

Media Number -UENR0602-11

Publication Date -01/08/2013

Date Updated -25/10/2017

i04047880

## **Front Cover - Remove and Install**

SMCS - 1166-010

### **Removal Procedure**

#### **Start By:**

- a. Remove the crankshaft pulley. Refer to Disassembly and Assembly, "Crankshaft Pulley - Remove and Install" for the correct procedure.
  - b. If the engine has a fan, remove the fan. Refer to Disassembly and Assembly, "Fan - Remove and Install" for the correct procedure.
-

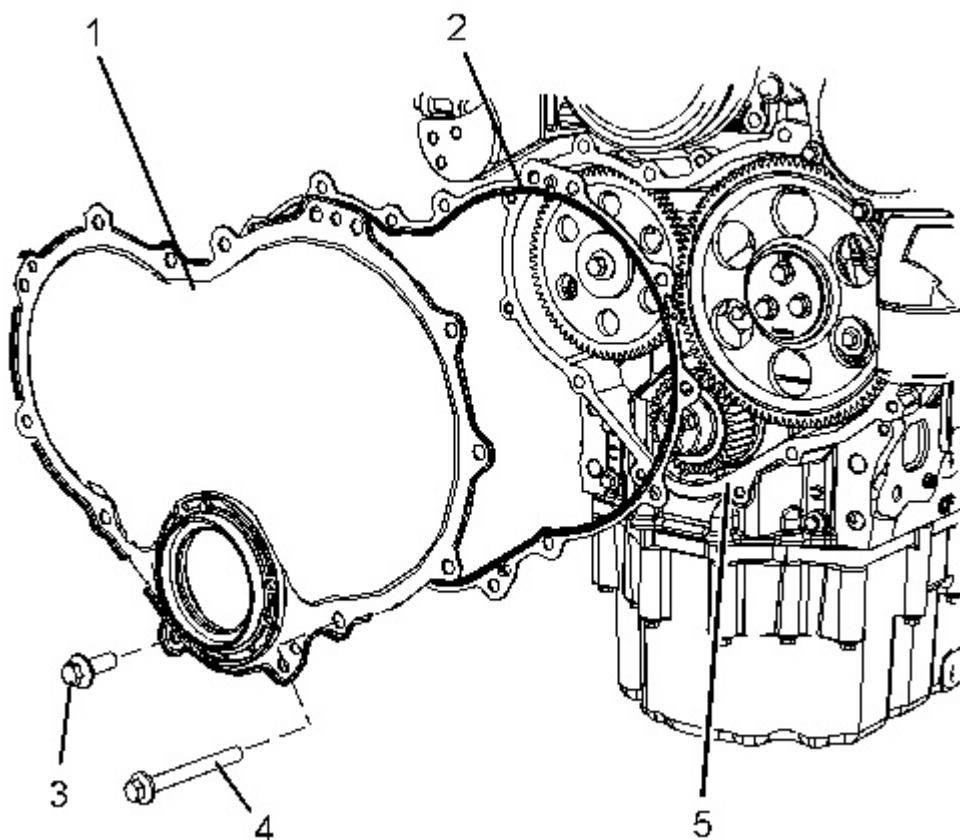


Illustration 1

g02481028

1. Remove the front seal from the front cover. Refer to Disassembly and Assembly, "Crankshaft Front Seal - Remove and Install" for the correct procedure.
2. Remove bolts (3) and bolts (4). Identify the positions of bolts of different length.
3. Remove front cover (1) from front housing (5).
4. Remove gasket (2).

## Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	-	Guide Stud M8 by 70 mm	2
B	342-9206	Front Cover Alignment Tool	1

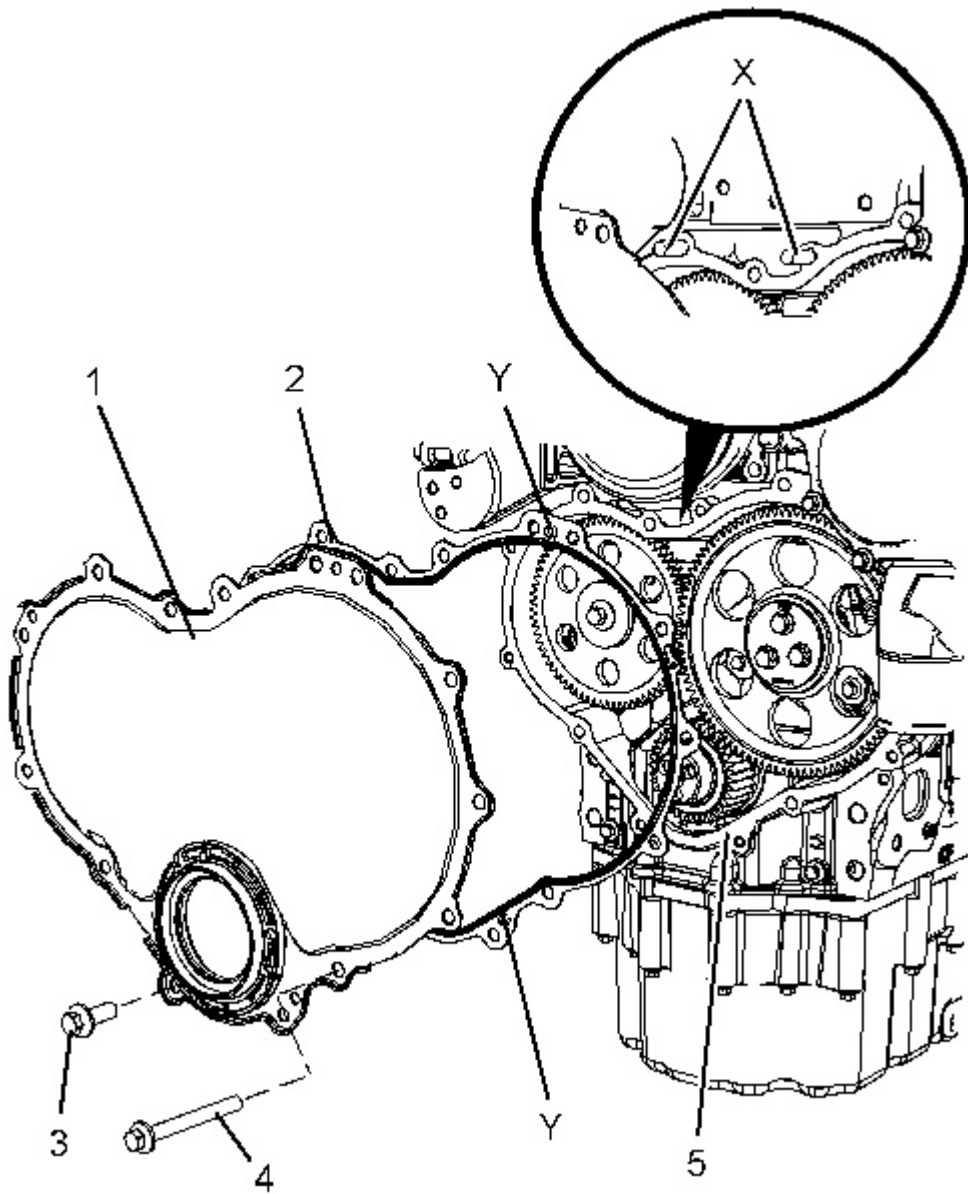


Illustration 2

g02481030

1. Thoroughly clean the gasket surface of the front housing.
2. If the original front cover is installed, follow Step 2.a through Step 2.b.
  - a. Thoroughly clean front cover (1).
  - b. Install a new gasket (2) to front cover (1). Engage Locators (Y) into the holes in the front cover.
3. Install Tooling (A) into Holes (X) in front housing (5).
4. Use Tooling (A) in order to position the front cover assembly onto the front housing.
5. Install bolts (3) and bolts (4) finger tight. Ensure that the bolts of different length are installed in the correct positions.

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](mailto:ebooklibonline@outlook.com)