



Service Repair Manual

Models

330F and 330F LN Excavator

Product: EXCAVATOR

Model: 330F EXCAVATOR HBT

Configuration: 330F & 330F LN Excavators HBT00001-UP (MACHINE) POWERED BY C7.1 Engine

Disassembly and Assembly C7.1 Engines for Caterpillar Built Machines

Media Number -UENR4468-15

Publication Date -01/06/2015

Date Updated -30/10/2018

i05909517

Vibration Damper and Pulley - Install

SMCS - 1205-012

Installation Procedure

Table 1

| Required Tools | | | |
|----------------|-------------|------------------------------------|-----|
| Tool | Part Number | Part Description | Qty |
| A | - | Guide Stud M14 x 1.5 by 100 mm | 1 |
| B | 227-4393 | E18 Torx Socket | 1 |
| C | 8T-3052 | Degree Wheel | 1 |
| D | - | Guide Studs M12 x 1.75 by 50 mm | 2 |

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

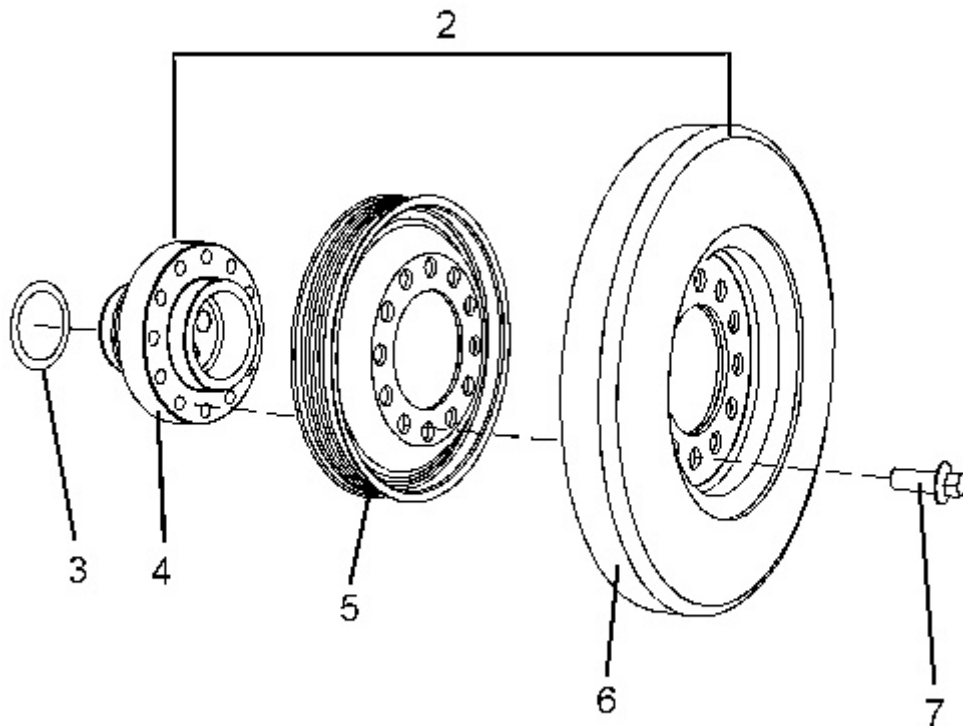


Illustration 1

g02368018

1. Ensure that the crankshaft adapter and the front of the crankshaft are clean and free from damage.
2. Inspect vibration damper (6) for damage. If necessary, replace the vibration damper.
3. If necessary, follow Step 3.a through Step 3.f in order to install vibration damper, crankshaft pulley to crankshaft adapter.
 - a. Place crankshaft adapter (4) onto a suitable support.
 - b. Install Tooling (D) crankshaft adapter (4) .
 - c. Install crankshaft pulley (5) and vibration damper (6) over Tooling (D) .
 - d. Install bolts (7) to the crankshaft pulley assembly.

Note: Evenly space bolts (7) around the crankshaft pulley assembly.
 - e. Remove Tooling (D) .
 - f. Tighten bolts (7) to a torque of 115 N·m (85 lb ft).
4. If necessary, install friction shim (3) . Follow Step 4.a through Step 4.b in order to install friction shim (3) .
 - a. Install friction shim (3) .

- b. Install a new front seal to the front cover. Refer to Disassembly and Assembly, "Crankshaft Front Seal - Remove and Install" for the correct procedure.

5. Install Tooling (A) to the crankshaft.

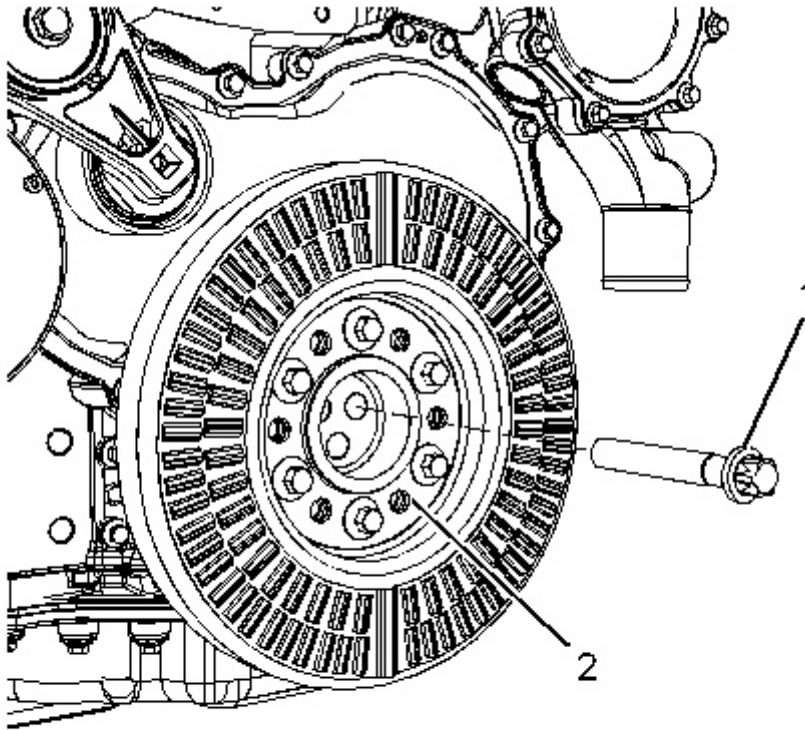


Illustration 2

g02368017

6. Install crankshaft pulley assembly (2) onto the crankshaft.
7. Install one Torx screws (1) to crankshaft pulley assembly (2) hand tighten.
8. Remove Tooling (A) .
9. Install remaining Torx screws (1) to crankshaft pulley assembly (2) .
10. Use a suitable tool in order to prevent the crankshaft from rotating. Tighten Torx screws (1) to a torque of 40 N·m (29 lb ft).
11. Use Tooling (B) and Tooling (C) to turn Torx screws (1) through an additional 120 degrees.

End By: Install the alternator belt. Refer to Disassembly and Assembly, "Alternator Belt - Remove and Install" for the correct procedure.

Product: EXCAVATOR

Model: 330F EXCAVATOR HBT

Configuration: 330F & 330F LN Excavators HBT00001-UP (MACHINE) POWERED BY C7.1 Engine

Disassembly and Assembly C7.1 Engines for Caterpillar Built Machines

Media Number -UENR4468-15

Publication Date -01/06/2015

Date Updated -30/10/2018

i05018646

Crankshaft Front Seal - Remove and Install - Crankshaft Front Seal for Heavy Duty Front Cover

SMCS - 1160-010

Removal Procedure

Table 1

| Required Tools | | | |
|----------------|-------------|-----------------------------|-----|
| Tool | Part Number | Part Description | Qty |
| A | 278-2636 | Front Oil Seal Removal Tool | 1 |

Start By:

- Remove the crankshaft pulley. Refer to Disassembly and Assembly, "Vibration Damper and Pulley - Remove" for the correct procedure.

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

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