



Service Repair Manual

Models

426C Backhoe Loader

Product: BACKHOE LOADER

Model: 426C BACKHOE LOADER 1YR

Configuration: 426C Backhoe Loader Center Pivot, Parallel Lift 1YR00001-01516 (MACHINE) POWERED BY 3054 Engine

Disassembly and Assembly 3054 Engine for Caterpillar Built Machines

Media Number -SEN6241-13

Publication Date -01/08/2008

Date Updated -04/08/2008

i01694904

Front Cover - Install

SMCS - 1166-012

Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	9U-6210	Front Seal Installer	1
B	4C-5501	Front Cover Installer	1

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

1. Clean all surfaces of the front housing and clean the front cover thoroughly.
 2. If necessary, use Tool (A) to install the crankshaft front oil seal. Refer to Disassembly and Assembly, "Crankshaft Front Seal - Install".
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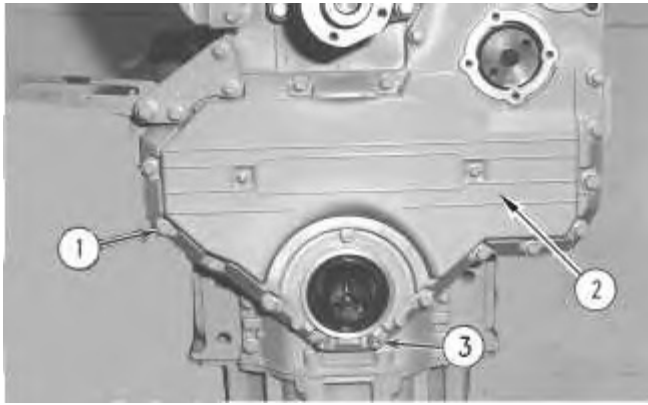


Illustration 1

g00640000



Illustration 2

g00546873

3. Install a new gasket and front cover (2) .
4. Install two bolts (1) in order to hold the gasket and the cover in place.
5. Use Tool (B) and the bolts for the crankshaft pulley in order to center the front cover.

NOTICE

The location of the front cover is critical. If the front cover is not centered, the backlash between the fuel injection pump gear and the water pump gear could be affected. This could result in damage to the fuel injection pump.

6. Install the remaining bolts (1) and the two nuts (3). Tighten the nuts and the bolts to a torque of 22 N·m (16 lb ft).

End By:

- a. Install the alternator. Refer to Disassembly and Assembly, "Alternator - Remove and Install".
- b. Install the water pump. Refer to Disassembly and Assembly, "Water Pump - Install".
- c. Install the crankshaft pulley. Refer to Disassembly and Assembly, "Crankshaft Pulley - Remove and Install".

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Disassembly and Assembly

3054 Engine for Caterpillar Built Machines

Media Number -SEN6241-13

Publication Date -01/08/2008

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i02253357

Gear Group (Front) - Remove

SMCS - 1206-011

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	8S-2264	Puller Group	1
B	173-9774	Wrench Bit	1

Start By:

- A. Remove the front cover. Refer to Disassembly and Assembly, "Front Cover - Remove".

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

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