



# Service Repair Manual

## **Models**

# 420D BACKHOE LOADER

---

Product: BACKHOE LOADER

Model: 420D BACKHOE LOADER BLN

Configuration: 420D Backhoe Loader BLN10300-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

i02294796

# Front Cover - Remove and Install

SMCS - 1166-010

## Removal Procedure

### Start By:

- a. Remove the water pump. Refer to Disassembly and Assembly, "Water Pump - Remove and Install".

**Note:** It is not necessary to remove the fan, the crankshaft pulley or the alternator in order to remove the front cover. The fan, the crankshaft pulley and the alternator have been removed for illustration purposes.

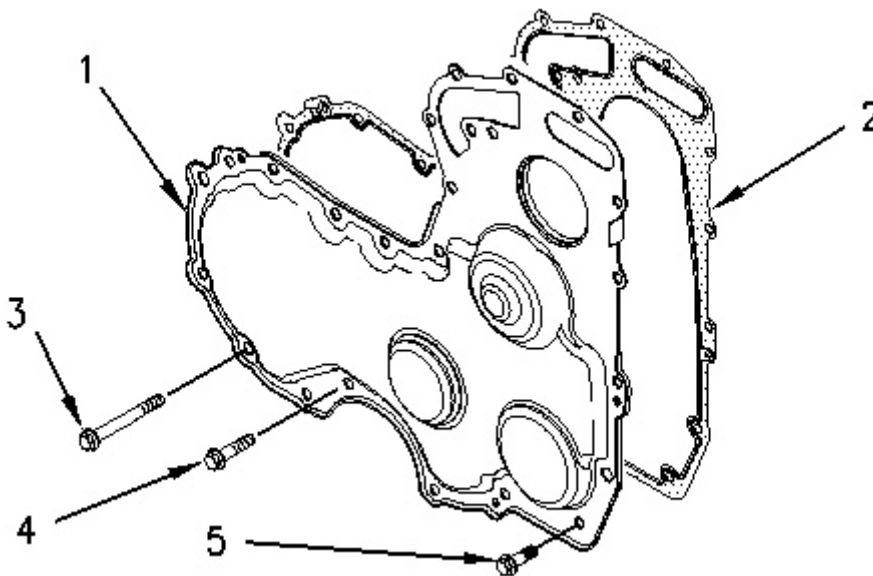


Illustration 1

g00955548

1. Remove the setscrews (3) and the setscrews (4). Remove the setscrew (5) from the front cover (1).
2. Remove the front cover from the front housing.
3. Remove the gasket (2) from the front cover and the front housing. Discard the gasket.

## Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	-	Guide Bolt (M8 x 1.25 x 70mm)	2

1. Clean all surfaces of the front housing and clean the front cover thoroughly.

**Note:** Do not use sealant on the gasket for the front cover.

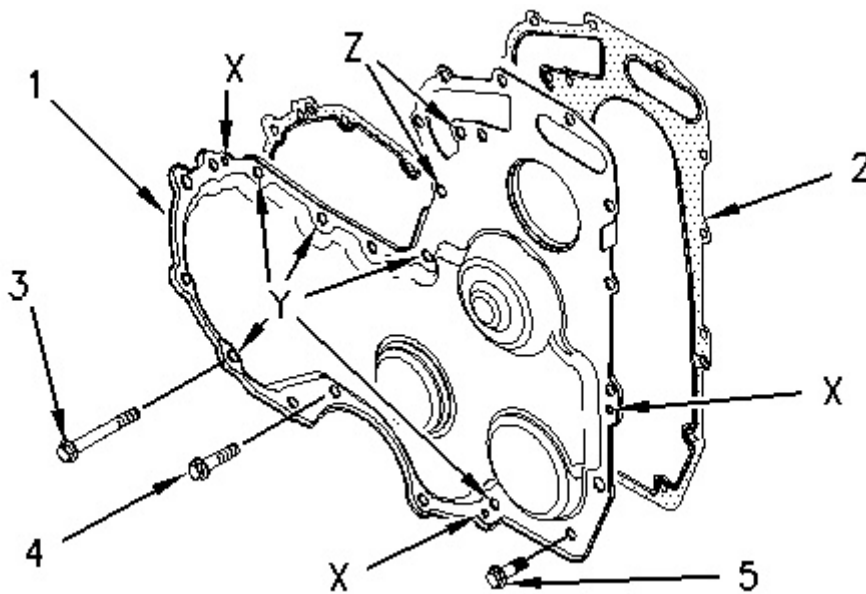


Illustration 2

g00955554

2. Position the gasket (2) on the front cover (1).
 

**Note:** The gasket is located by three locating dowels at Location (X) on the front cover.
3. Install the Tooling (A) in the front housing at Location (Z).
4. Position the front cover (1) and the gasket (2) on the front housing. Install the setscrews (3) in Location (Y). Install the setscrews (4) and the setscrew (5). Tighten the setscrews to a torque of 22 N·m (16 lb ft).

**End By:**

- a. Install the water pump. Refer to Disassembly and Assembly, "Water Pump - Remove and Install".

---

[Copyright 1993 - 2019 Caterpillar Inc.](#)

Thu Oct 24 13:10:50 UTC+0800 2019

[All Rights Reserved.](#)

[Private Network For SIS Licensees.](#)

Product: BACKHOE LOADER

Model: 420D BACKHOE LOADER BLN

Configuration: 420D Backhoe Loader BLN10300-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

i01875845

# Idler Gear - Remove and Install - Delphi DP210 Fuel Injection Pump

SMCS - 1206

## Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Name	Qty
A	9U-6198	Crankshaft Turning Tool	1
B	230-6284	Timing Pin (Camshaft)	1
C	230-6283	Timing Pin (Crankshaft)	1
D	1P-2320	Combination Puller	1
E	1P-0510	Driver Group	1

### Start By:

- a. Remove the crankshaft pulley. Refer to Disassembly and Assembly, "Crankshaft Pulley - Remove and Install".
- b. Remove the front cover. Refer to Disassembly and Assembly, "Front Cover - Remove and Install".

---

### 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](mailto:ebooklibonline@outlook.com)