



# Service Repair Manual

## **Models**

416F2 Backhoe Loader

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Product: BACKHOE LOADER

Model: 416F2 BACKHOE LOADER LBF

Configuration: 416F2 Center Pivot Backhoe Loader LBF00001-UP (MACHINE) POWERED BY 3054C, C4.4 Engine

## Disassembly and Assembly 3054C Engines for Caterpillar Built Machines

Media Number -SEN5069-18

Publication Date -01/05/2015

Date Updated -19/09/2018

i02333592

# Lifter Group - Remove and Install

SMCS - 1209-010

## Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1U-7262	Telescoping Magnet	1

### Start By:

- Remove the camshaft. Refer to Disassembly and Assembly, "Camshaft - Remove and Install".

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### NOTICE

**Keep all parts clean from contaminants.**

**Contaminants may cause rapid wear and shortened component life.**

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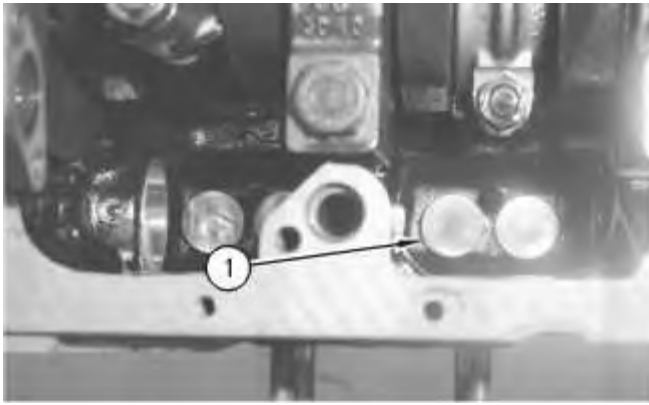


Illustration 1

g00540954

1. Use Tooling (A) to remove lifters (1).

**Note:** Place an identification mark on the lifters for installation purposes.

## Installation Procedure

Table 2

Required Tools			
Tool	Part Number	Part Description	Qty
A	1U-7262	Telescoping Magnet	1

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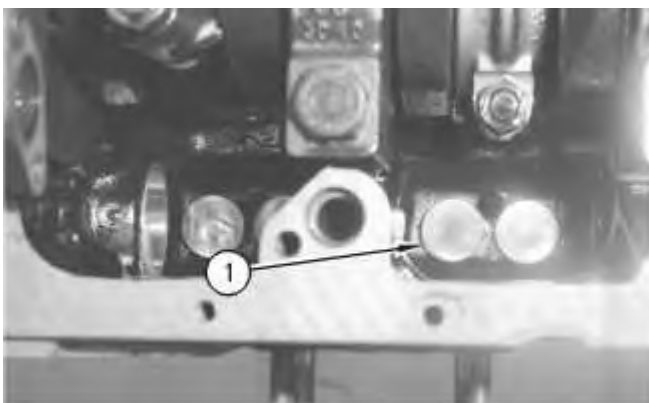
### NOTICE

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1. Lubricate the lifters with clean oil before installing the lifters in the cylinder block.



2. Use Tooling (A) to install lifters (1).

**Note:** Ensure that the lifters are installed in the original location and that the lifters are seated correctly.

**End By:**

- a. Install the camshaft. Refer to Disassembly and Assembly, "Camshaft - Remove and Install".

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Configuration: 416F2 Center Pivot Backhoe Loader LBF00001-UP (MACHINE) POWERED BY 3054C, C4.4 Engine

## **Disassembly and Assembly 3054C Engines for Caterpillar Built Machines**

Media Number -SEN5069-18

Publication Date -01/05/2015

Date Updated -19/09/2018

i02299051

# **Camshaft - Remove and Install**

SMCS - 1210-010

## **Removal Procedure**

### **Start By:**

- a. Remove the rocker shaft assembly and the pushrods. Refer to Disassembly and Assembly, "Rocker Shaft and Pushrod - Remove".
- b. Remove the front housing. Refer to Disassembly and Assembly, "Housing (Front) - Remove".

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### **NOTICE**

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1. Turn the engine upside-down so the valve lifters are held in a position away from the camshaft.
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