



# Service Repair Manual

## **Models**

# 312 EXCAVATOR

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Product: EXCAVATOR

Model: 312-A EXCAVATOR 6BL

Configuration: 312 Excavator 6BL00001-UP (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

i01745933

# 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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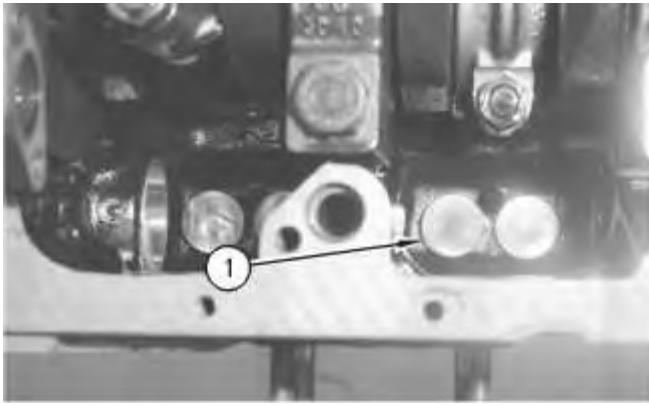


Illustration 1

g00540954

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

**Note:** Ensure that the lifters are marked with the appropriate cylinder number for installation purposes.

## Installation Procedure

Table 2

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

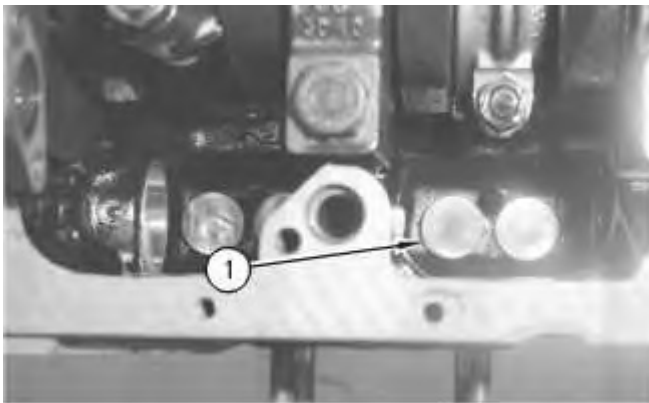
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### NOTICE

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

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

**Note:** Ensure that the lifters are seated correctly and that the lifters are in the correct cylinders.

**End By:**

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

Date Updated -04/08/2008

i01164529

# **Camshaft - Remove and Install**

SMCS - 1210-010

## **Removal Procedure**

### **Start By:**

- A. Remove the rocker shaft and the pushrods. Refer to Disassembly and Assembly, "Rocker Shaft and Pushrods - Remove".
- B. Remove the fuel transfer pump. Refer to Disassembly and Assembly, "Fuel Transfer Pump - Remove".
- C. Remove the front housing. Refer to Disassembly and Assembly, "Housing (Front) - Remove".
- D. Remove the camshaft gear. Refer to Disassembly and Assembly, "Camshaft Gear - Remove and Install".

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### **NOTICE**

**Care must be taken to ensure that fluids are contained during performance of inspection, maintenance, testing, adjusting and repair of the product. Be prepared to collect the fluid with suitable containers before opening any compartment or disassembling any component containing fluids.**

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