



# Service Repair Manual

## **Models**

# 436B BACKHOE LOADER

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Product: BACKHOE LOADER  
Model: 436B BACKHOE LOADER 7FL  
Configuration: 436B BACKHOE LOADER 7FL00600-UP (MACHINE)

## Disassembly and Assembly 3054 Engine for Caterpillar Built Machines

Media Number -SEN6241-13

Publication Date -01/08/2008

Date Updated -04/08/2008

i01761173

# Rocker Shaft and Pushrod - Remove

SMCS - 1102-011; 1208-011

## Removal Procedure

### Start By:

- a. Remove the valve mechanism cover. Refer to Disassembly and Assembly, "Valve Mechanism Cover - 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

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Typical example

**Note:** It is not necessary to remove the oil supply tube in order to remove the rocker shaft assembly and the pushrods.

1. Remove nuts (1) and bolt (2) from the rocker shaft assembly. Begin with the end brackets and move toward the center.
2. Remove rocker shaft assembly (3).
3. Remove the oil seal from the oil supply passage in the cylinder head.

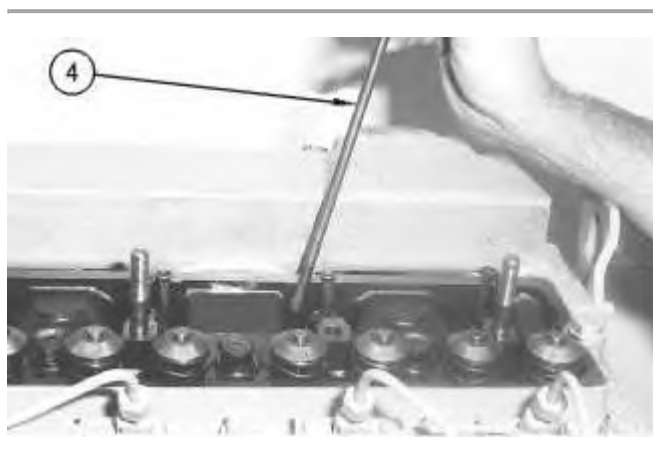


Illustration 2

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Typical example

4. Remove pushrods (4). Place an identification mark on the pushrods for installation.

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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

i01667090

## Rocker Shaft - Disassemble

SMCS - 1102-015

## Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	1P-0510	Driver Group	1

### Start By:

- A. Remove the rocker shaft assembly. Refer to Disassembly and Assembly, "Rocker Shaft and Pushrod - Remove".



Illustration 1

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1. Use a screwdriver or a similar tool to remove retaining ring (1) from both ends of the rocker shaft assembly.

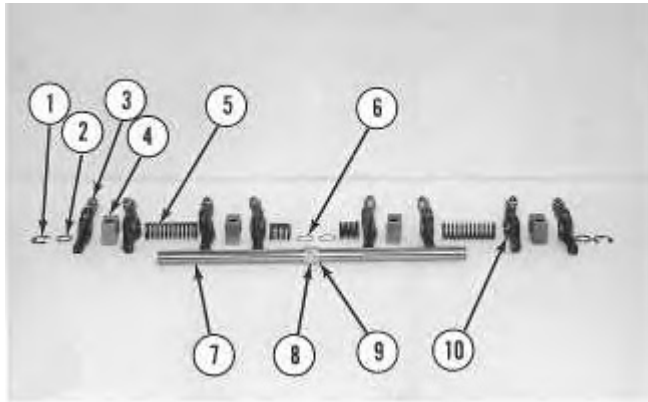


Illustration 2

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- (1) Retaining ring
  - (2) Washer on the end of the rocker shaft
  - (3) Rocker arm assembly
  - (4) Rocker shaft bracket
  - (5) Spring on the rocker shaft
  - (6) Washer
  - (7) Rocker shaft
  - (8) Bolt
  - (9) Oil supply connection
  - (10) Rocker arm bushing
2. Remove the rocker arms and the rocker shaft brackets from the rocker shaft assembly.  
**Note:** Place an identification mark on each of the components for the proper order for installation.
  3. Check the clearance between rocker arm assembly (3) and rocker shaft (7). Replace rocker arm bushing (10) if the clearance is larger than 0.13 mm (0.005 inch). Use Tool (A) and a suitable press in order to remove rocker arm bushing (10) from rocker arm assembly (3), if necessary.
  4. Remove rocker shaft bracket (4) from rocker shaft (7) .
  5. Remove springs (5), washer (6), bolt (8) and oil supply connection (9) from rocker shaft (7) .

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