

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**

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i01054405

# **Valve Mechanism Cover - Remove and Install**

SMCS - 1107-010

## **Removal Procedure**

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### **NOTICE**

**Keep all parts clean from contaminants.**

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

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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.**

**Refer to Special Publication, NENG2500, "Caterpillar Tools and Shop Products Guide" for tools and supplies suitable to collect and contain fluids on Caterpillar products.**

**Dispose of all fluids according to local regulations and mandates.**

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**Note:** The engines are equipped with either an aluminum valve cover or with a composite valve cover. The aluminum valve cover has a seal that fits between the valve cover and the inlet

manifold. The composite valve cover has a seal that is permanently fixed to the side of the valve cover.

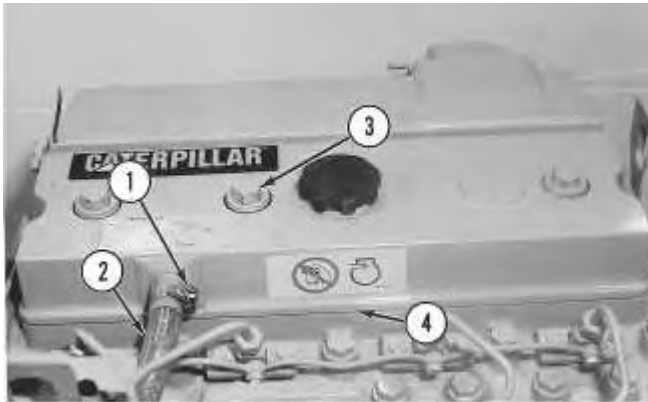


Illustration 1

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Typical example

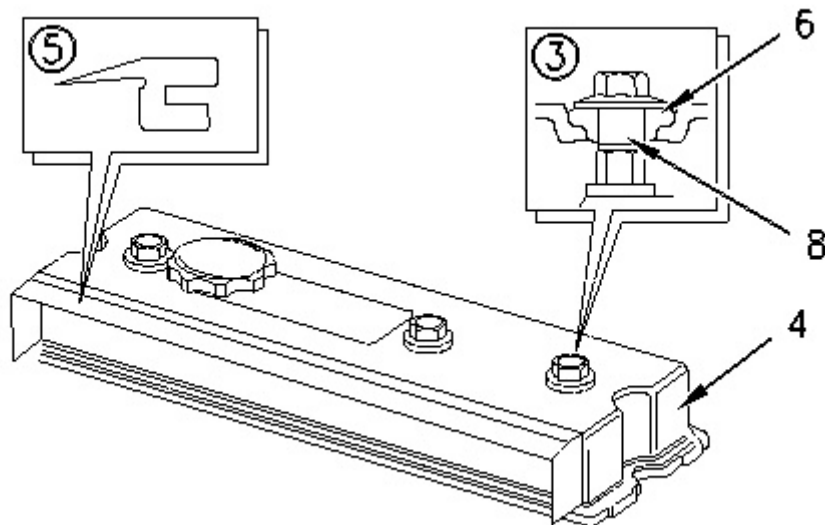
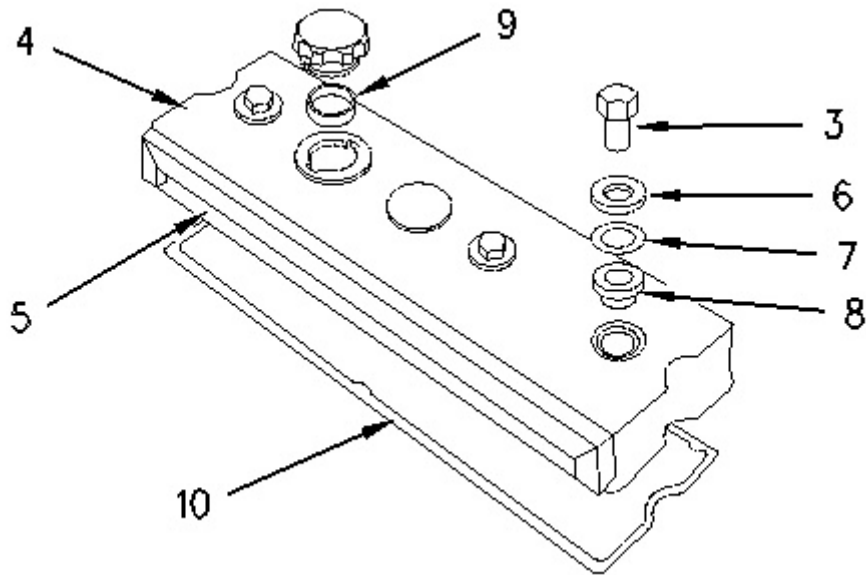


Illustration 2

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Aluminum valve cover

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Illustration 3

g00547004

#### Composite valve cover

1. Loosen hose clamp (1) .
2. Disconnect breather hose (2) .
3. Remove three nuts (3), steel washers (6), and sealing washers (8) .

**Note:** When you remove nuts (3), ensure that the nuts on the rocker arm bracket are not loosened.

**Note:** Current production engines have an additional shim washer (7) .

4. Remove valve cover (4), gasket (10), and seal (5) .
5. Remove seal (9) for the oil filler cap.

## Installation Procedure

**Note:** The engines are equipped with either an aluminum valve cover or with a composite valve cover. The aluminum valve cover has a seal that fits between the valve cover and the inlet manifold. The composite valve cover has a seal that is permanently fixed to the side of the valve cover.

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