

Product: VIBRATORY COMPACTOR

Model: CB-534D VIBRATORY COMPACTOR EAA

Configuration: CB-534D CB-534DXW Vibratory Compactor EAA00001-UP (MACHINE) POWERED BY 3054C Engine

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

Media Number -SEN5069-18

Publication Date -01/05/2015

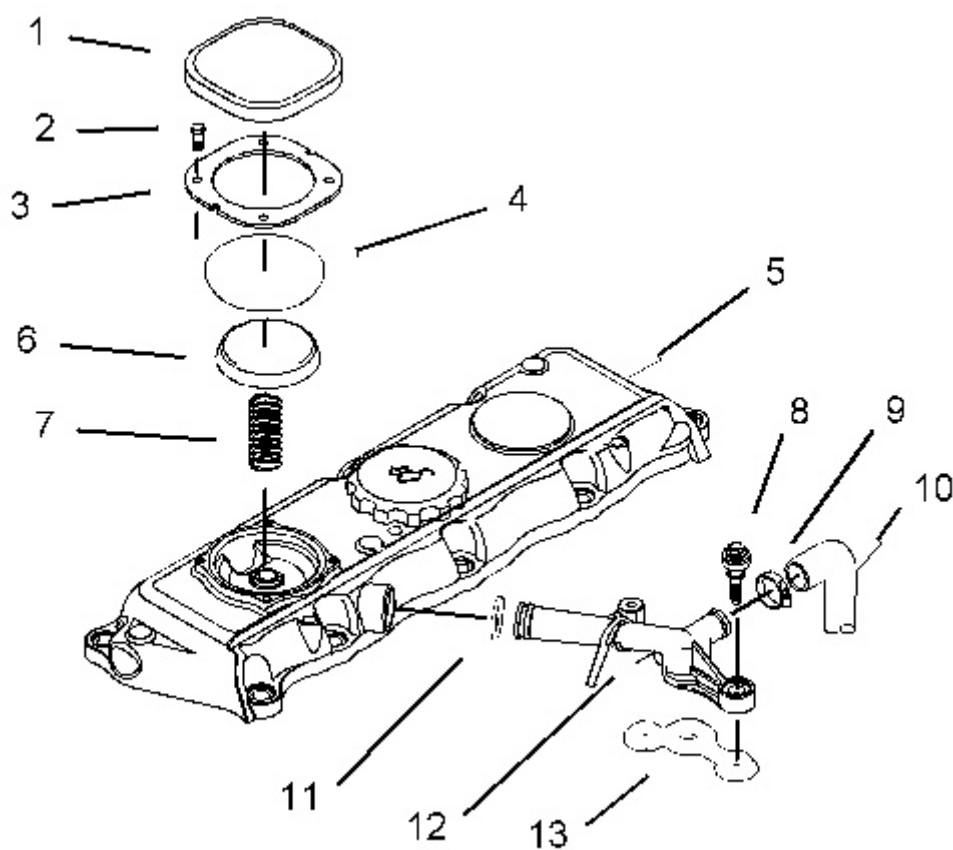
Date Updated -19/09/2018

i02295089

### Crankcase Breather - Remove and Install

SMCS - 1317-010

#### Removal Procedure



1. Loosen the clamp (9) and remove the hose (10) from the connector (12).
2. Remove the setscrews (8) and remove the connector (12) from the cylinder head. Remove the gasket (13). Remove the O-ring seal (11) from the connector. Discard the gasket (13) and the O-ring seal (11).
3. Remove the cover (1) from the valve mechanism cover (5).



## WARNING

**Personal injury can result from parts and/or covers under spring pressure.**

**Spring force will be released when covers are removed.**

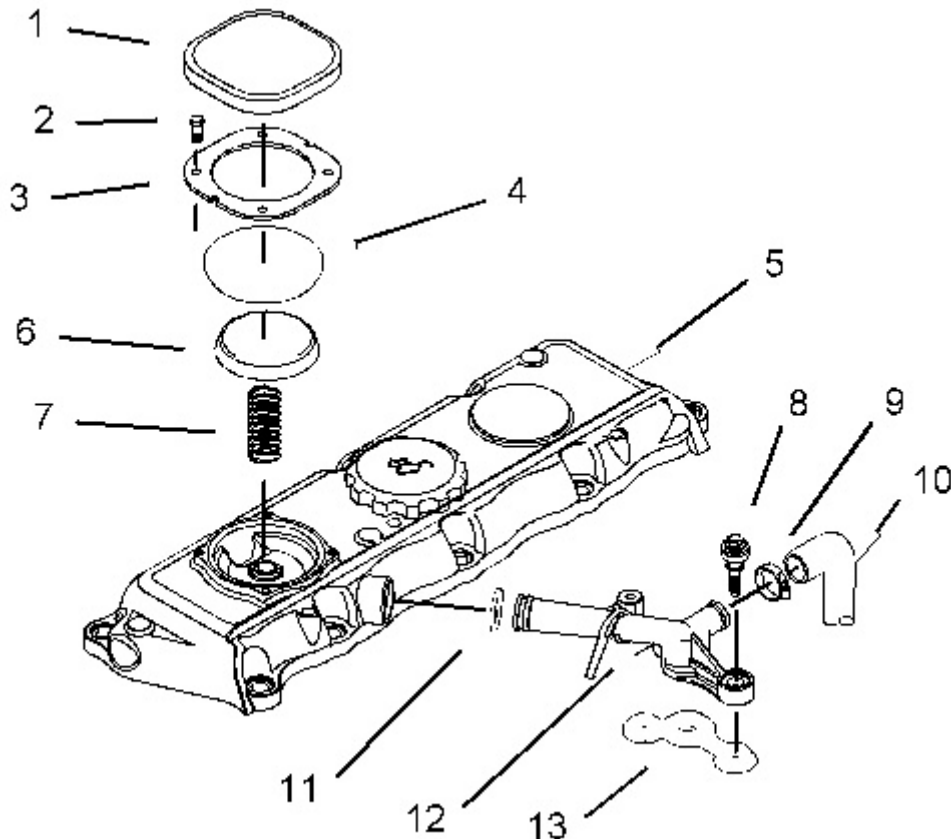
**Be prepared to hold spring loaded covers as the bolts are loosened.**

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4. Remove the screws (2). Remove the plate (3).
5. Remove the diaphragm (4) and the cap (6). Remove the spring (7).

## Installation Procedure

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**WARNING**

**Improper assembly of parts that are spring loaded can cause bodily injury.**

**To prevent possible injury, follow the established assembly procedure and wear protective equipment.**

1. Install the spring (7), the cap (6), and the diaphragm (4).
2. Install the plate (3). Install the screws (2).
3. Install the cover (1) on the valve mechanism cover.
4. Install a new O-ring seal (11) on the connector (12). Install a new gasket (13) on the connector (12). Position the connector in the valve mechanism cover.
5. Install the setscrews (8). Tighten the setscrews to a torque of 9 N·m (80 lb in).
6. Install the hose (10) on the connector (12). Tighten the clamp (9) to a torque of 5 N·m (44 lb in).

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

Media Number -SEN5069-18

Publication Date -01/05/2015

Date Updated -19/09/2018

i02295100

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

SMCS - 1107-010

## **Removal Procedure**

### **Start By:**

- a. Remove the heat shields, if equipped.
- b. Remove the cover for the fuel injection nozzles. Refer to this Disassembly and Assembly Manual, "Fuel Injection Nozzle 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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### **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, "Dealer Service Tool Catalog" for tools and supplies suitable to collect and contain fluids on Cat products.**

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

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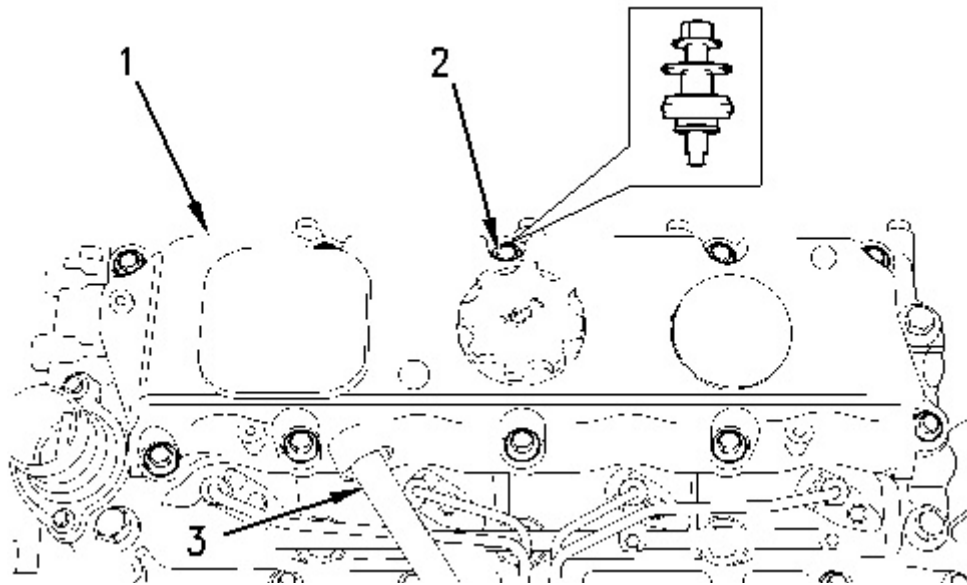


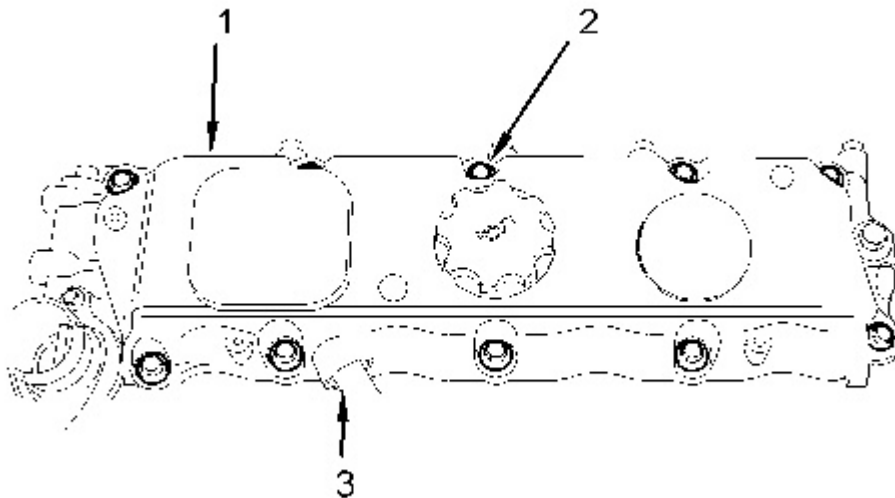
Illustration 1

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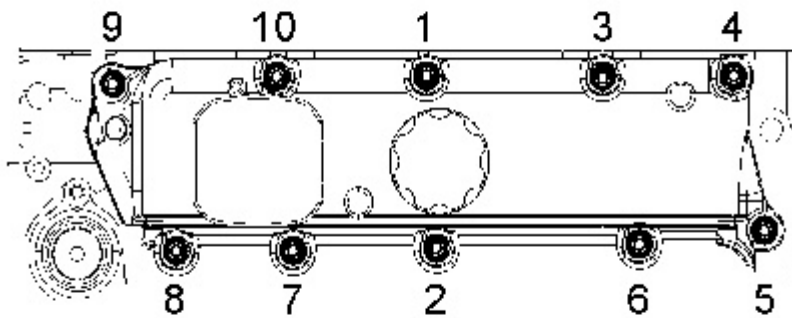
1. Remove the breather tube (3) from the valve mechanism cover (1). Refer to this Disassembly and Assembly Manual, "Crankcase Breather - Remove and Install".
2. Remove the fasteners (2). Remove valve mechanism cover (1). Remove the gasket from the cylinder head and discard the gasket.

## Installation Procedure

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1. Thoroughly clean the valve mechanism cover (1). Ensure that the groove for the gasket for the valve mechanism cover (1) is clean and dry. Ensure that the mating face on the cylinder head is clean and dry.
  2. If the valve mechanism cover (1) is equipped with an oil filler cap, check the condition of the O-ring for the oil filler cap. If necessary, replace the O-ring.
  3. Check the condition of the fasteners (2). Replace the fasteners (2), if necessary.
  4. Install the gasket and valve mechanism cover (1) on the cylinder head.
- 



5. Install the fasteners (2). Tighten the fasteners in the sequence that is shown in Illustration 3 to a torque of 9 N·m (80 lb in).
6. Connect breather tube (3) to the valve mechanism cover. Refer to this Disassembly and Assembly Manual, "Crankcase Breather - Remove and Install".

**End By:**

- a. Install the cover for the fuel injection nozzles. Refer to this Disassembly and Assembly Manual, "Fuel Injection Nozzle Cover - Remove and Install".

- b. If equipped, ensure that the heat shields are clean and free from dust, oil, and paint. Install the heat shields.

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