



# Service Repair Manual

## **Model**

434E BACKHOE LOADER

---

Product: BACKHOE LOADER

Model: 434E BACKHOE LOADER SEF

Configuration: 434E Backhoe Loader SEF00001-UP (MACHINE) POWERED BY C4.4 Engine

## **Disassembly and Assembly C4.4 (Mech) Engines for Caterpillar Built Machines**

Media Number -KENR9210-10

Publication Date -01/12/2014

Date Updated -08/08/2018

i06801068

# **Engine Oil Cooler - Remove**

SMCS - 1378-011

## **Removal Procedure**

---

### **NOTICE**

**Keep all parts clean from contaminants.**

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

---

---

### **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.**

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

---

1. Drain the coolant from the cooling system into a suitable container. Refer to Operation and Maintenance Manual, "Cooling System Coolant - Change" for the correct procedure.
2. Drain the engine lubricating oil into a suitable container. Refer to Operation and Maintenance Manual, "Engine Oil and Filter - Change" for the correct procedure.

3. If necessary, remove the electric starting motor. Refer to Disassembly and Assembly, "Electric Starting Motor - Remove and Install".

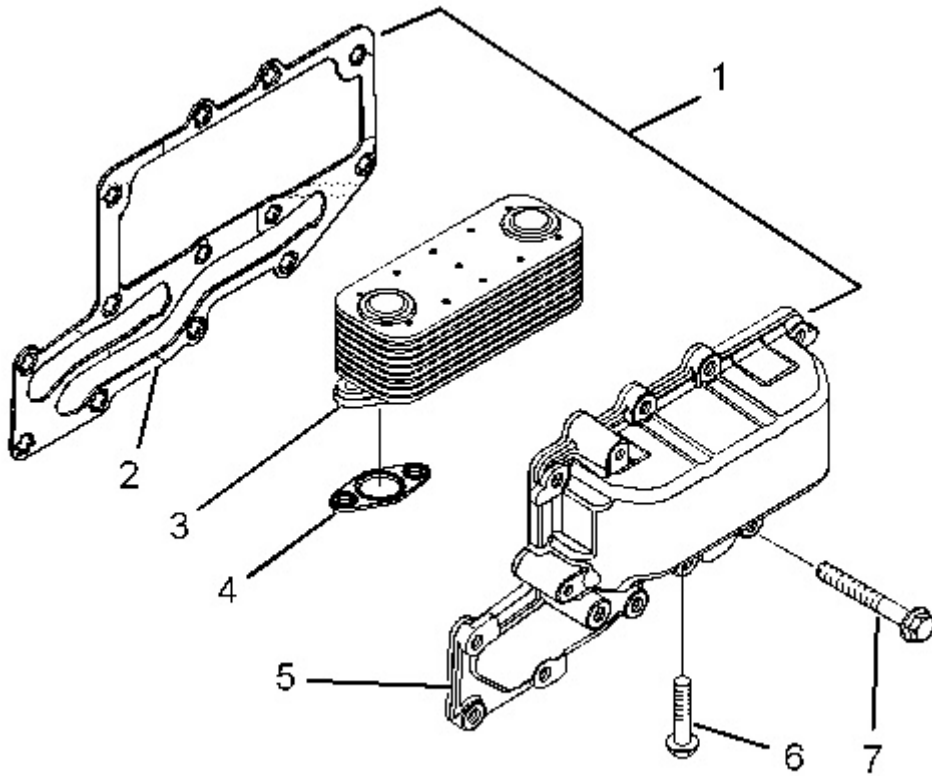


Illustration 1  
Typical example

g01343557

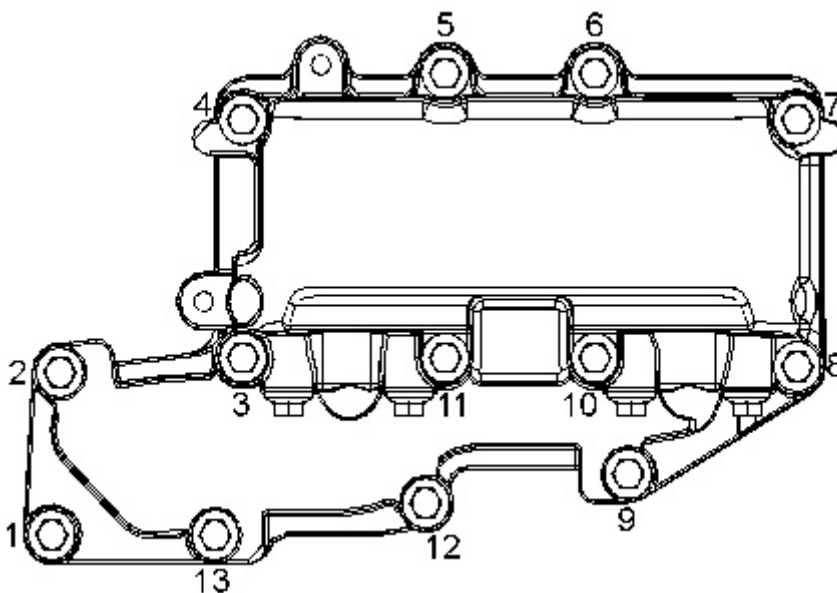


Illustration 2

g06118967

Tightening sequence for the engine oil cooler

4. Loosen fasteners (7) in reverse numerical order to the sequence that is shown in Illustration 2. Remove fasteners (7). Support the assembly of engine oil cooler (1) as the fasteners are removed.

**Note:** fasteners (7) are different lengths. Note the correct position of the fasteners. Note the position of any brackets that are secured by the fasteners. Do not remove fasteners (6) .

5. Remove the assembly of oil cooler (1) from the cylinder block.
6. Remove joint (2).
7. Follow Steps 7.a through 7.c to disassemble the engine oil cooler.
  - a. Remove bolts (6).
  - b. Remove cooler matrix (3) from housing (5).
  - c. Remove joints (4).

Product: BACKHOE LOADER

Model: 434E BACKHOE LOADER SEF

Configuration: 434E Backhoe Loader SEF00001-UP (MACHINE) POWERED BY C4.4 Engine

## **Disassembly and Assembly C4.4 (Mech) Engines for Caterpillar Built Machines**

Media Number -KENR9210-10

Publication Date -01/12/2014

Date Updated -08/08/2018

i06801078

## **Engine Oil Cooler - Install**

SMCS - 1378-012

### **Installation Procedure**

---

#### **NOTICE**

**Keep all parts clean from contaminants.**

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

---

---

Thank you so much for reading.  
Please click the “Buy Now!”  
button below to download the  
complete manual.



After you pay.

You can download the most  
perfect and complete manual in  
the world immediately.

Our support email:

[ebooklibonline@outlook.com](mailto:ebooklibonline@outlook.com)