

Product: VIBRATORY COMPACTOR  
Model: CB-14B VIBRATORY COMPACTOR 473  
Configuration: CB14B Compactor 47300001-UP (MACHINE)

## Disassembly and Assembly CB14B Vibratory Asphalt Compactor Engine Supplement

Media Number -UENR0158-00

Publication Date -01/10/2012

Date Updated -02/10/2012

i04901017

## Alternator - Remove and Install

SMCS - 1405-010

### Removal Procedure



**WARNING**

**Hot engine components can cause injury from burns. Before performing maintenance on the engine, allow the engine and the components to cool.**

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Illustration 1

g03055979

1. Open engine enclosure (1) .



Illustration 2

g03055980

2. Remove the wing nut and disconnect ground cable (2) .



Illustration 3

g03055981

3. Remove the three bolts and cover (3) .

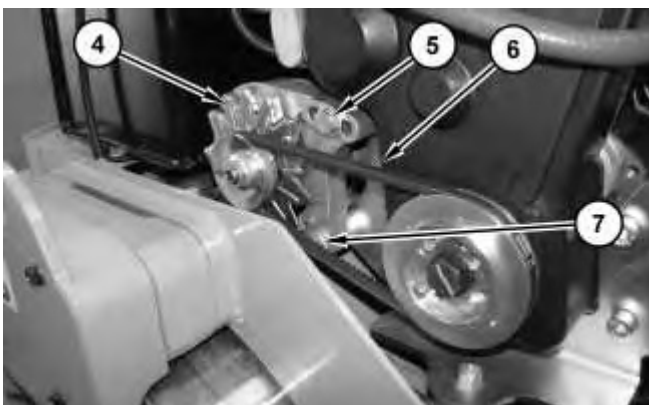


Illustration 4

g03055982

4. Loosen bolt (5) and bolt (7). Tilt alternator (4) toward the engine and remove belt (6) .



Illustration 5

g03056236

5. Disconnect the wire assembly from the back of alternator (4) .
6. Remove the nut and disconnect the cable from the back of alternator (4) .
7. Remove bolt (5), bolt (7), and alternator (4) .

## Installation Procedure



Illustration 6

g03056236

1. Install alternator (4), bolt (7), and bolt (5) .
  2. Connect the cable to the back of alternator (4) and install the nut.
  3. Connect the wire assembly to the back of alternator (4) .
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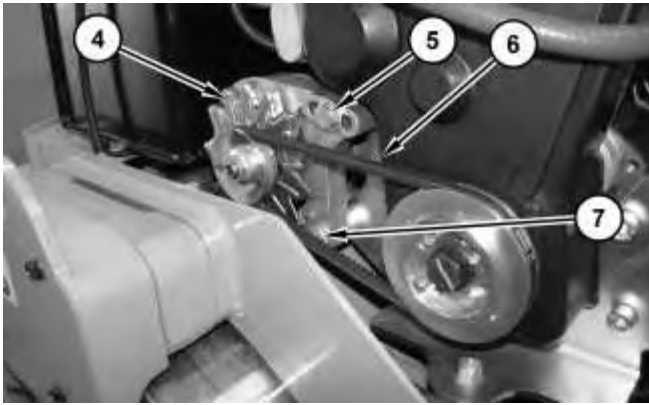


Illustration 7

g03055982

4. Install belt (6). Adjust the belt tension. Tighten bolt (5) and bolt (7) .



Illustration 8

g03055981

5. Remove the three bolts and cover (3) .



Illustration 9

g03055980

6. Connect ground cable (2) and tighten the wing nut.



Illustration 10

g03055979

7. Close engine enclosure (1) .

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i04901021

# Electric Starting Motor - Remove and Install

SMCS - 1453-010

## Removal Procedure

### Start By:

- A. Remove the alternator. Refer to Disassembly and Assembly, "Alternator - Remove and Install".

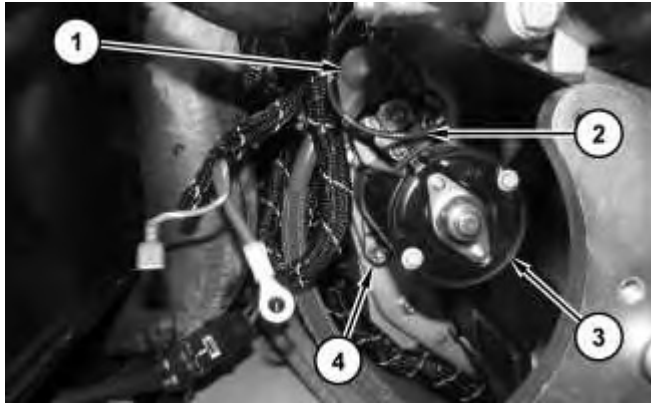


Illustration 1

g03056356

1. Disconnect wire (2) from electric starting motor (3) .
2. Remove the nut and cable (1) from electric starting motor (3) .
3. Remove bolts (4) and electric starting motor (3) .

## Installation Procedure



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Illustration 2

g03056356

1. Install electric starting motor (3) and bolts (4) .
2. Install cable (1) and the nut to electric starting motor (3) .
3. Connect wire (2) to electric starting motor (3) .

**End By:** Install the alternator. Refer to Disassembly and Assembly, "Alternator - Remove and Install".

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i04904246

# Fuel Priming Pump and Primary Fuel Filter - Remove and Install

SMCS - 1258-010; 1260-010

## Removal Procedure

Table 1

Required Tools			
Item	Part Number	Part Description	Qty
A	185-3630	Strap Wrench As	1

### Start By:

- A. Remove the air cleaner. Refer to Disassembly and Assembly, "Air Cleaner - Remove and Install".



**Fuel leaked or spilled onto hot surfaces or electrical components can cause a fire. To help prevent possible injury, turn the start switch off when changing fuel filters or water separator elements. Clean up fuel spills immediately.**

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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 Dealer Service Tool Catalog" 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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Illustration 1

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1. Remove the bolt and wire assembly (1) .
2. Disconnect wire assembly (2) .
3. Use Tooling (A) to remove fuel filter (3) .

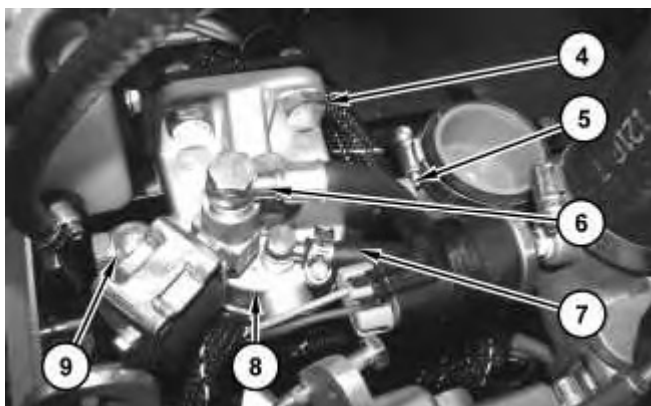


Illustration 2

g03063400

4. Disconnect fuel lines (6), (5), and (9) from primary fuel filter (8) .

5. Loosen the clamp and remove hose (7) from primary fuel filter (8) .
6. Remove bolts (1) and primary fuel filter (8) .

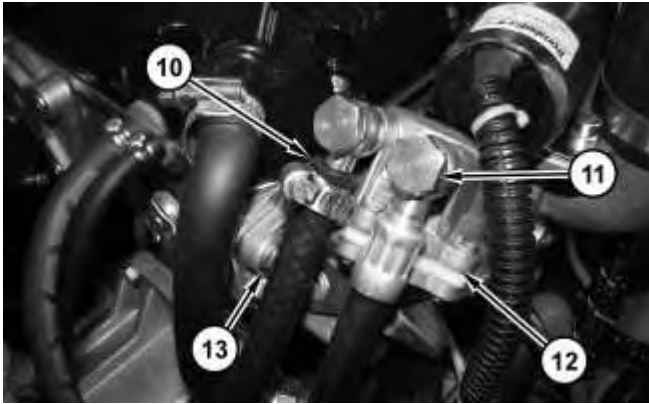


Illustration 3

g03064502

7. Loosen the clamp and remove hose (10) from fuel priming pump (12) .
8. Disconnect fuel line (11) from fuel priming pump (12) .
9. Remove bolts (13) and fuel priming pump (12) .

## Installation Procedure

Table 2

Required Tools			
Item	Part Number	Part Description	Qty
A	185-3630	Strap Wrench As	1

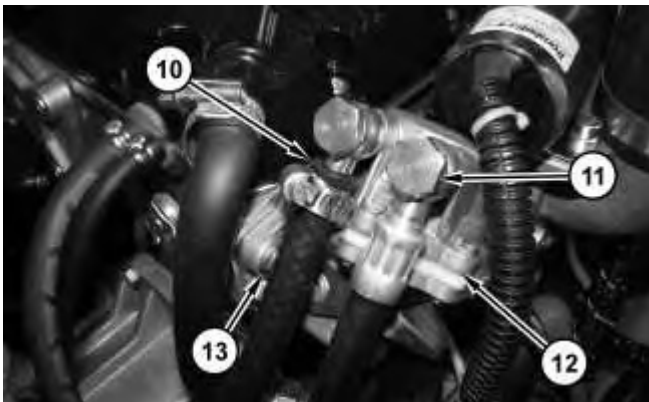


Illustration 4

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1. Install fuel priming pump (12) and bolts (13) .
2. Connect fuel line (11) to fuel priming pump (12) .
3. Install hose (10) to fuel priming pump (12) and tighten the clamp.

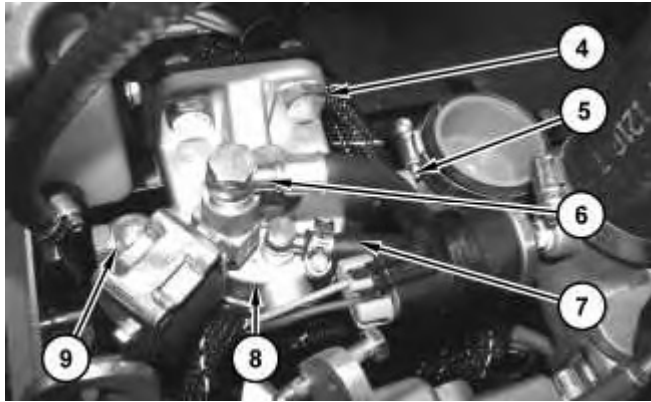


Illustration 5

g03063400

4. Install primary fuel filter (8) and bolts (1) .
5. Install hose (7) to primary fuel filter (8) and tighten the clamp.
6. Connect fuel lines (5), (6), and (9) to primary fuel filter (8) .

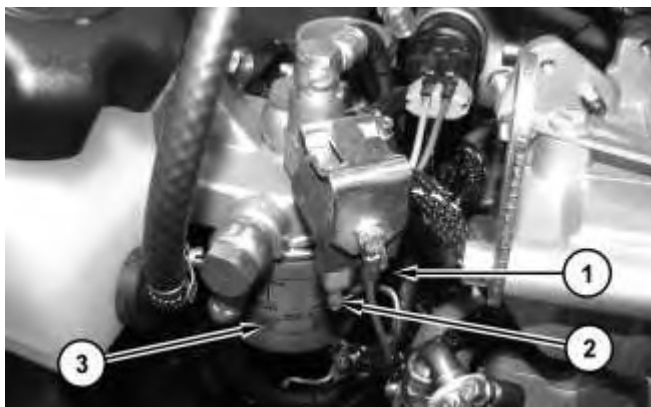


Illustration 6

g03063363

7. Use Tooling (A) to install fuel filter (3) .
8. Connect wire assembly (2) .
9. Install wire assembly (1) and the bolt.
10. Prime the fuel system.

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