

Product: VIBRATORY COMPACTOR

Model: CB-335D VIBRATORY COMPACTOR D4E

Configuration: CB-335D Vibratory Compactor D4E00001-UP (MACHINE) POWERED BY 3014 Engine

Disassembly and Assembly CB-334D and CB-335D Paving Compactors Engine Supplement

Media Number -KENR7043-03

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i01713695

Engine - Remove

SMCS - 1000-011

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7575	Link Bracket	2

Start By:

- A. Remove the engine hood. Refer to Disassembly and Assembly, KENR7051, "Engine Hood - Remove and Install".



WARNING

Hot oil and hot components can cause personal injury. Do not allow hot oil or hot components to contact skin.

At operating temperature, the engine coolant is hot and under pressure.

Steam can cause personal injury.

Check the coolant level only after the engine has been stopped and the cooling system pressure cap is cool enough to touch with your bare hand.

Remove the cooling system pressure cap slowly to relieve pressure.

Cooling system conditioner contains alkali. Avoid contact with the skin and eyes to prevent personal injury.

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.

Note: Put identification marks on all lines, on all hoses, on all wires and on all tubes for installation purposes. Plug all lines, all hoses and all tubes. This will help to prevent fluid loss and this will help to keep contaminants from entering the system.

1. Use the petcock and drain hose that is located on the radiator to drain coolant from the radiator and the engine. The capacity of the 3013 Engine cooling system is 6.7 L (1.8 US gal). The capacity of the 3014 Engine cooling system is 7.3 L (1.9 US gal).



Illustration 1

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2. Loosen the clamp and disconnect battery ground (1) .
-

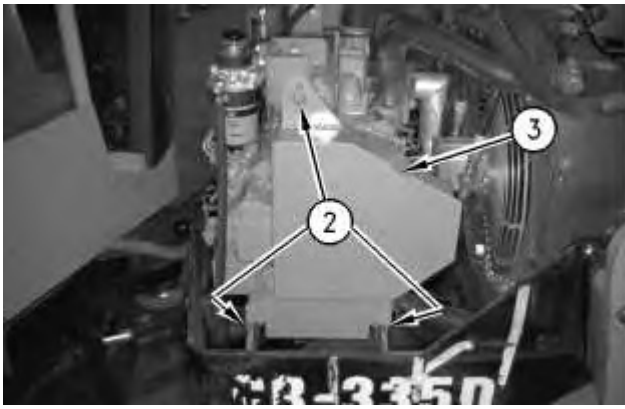


Illustration 2

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3. Remove three bolts (2) and remove the guard (3) for the V-belt.

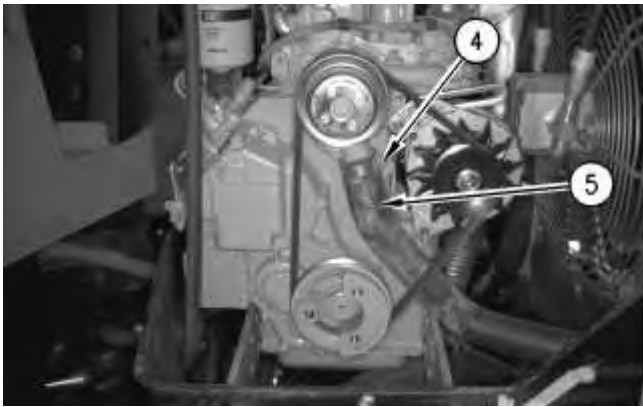


Illustration 3

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4. Loosen hose clamp (4). Disconnect coolant hose (5) from the engine. Drain any remaining coolant from the cooling system through hose (5) .

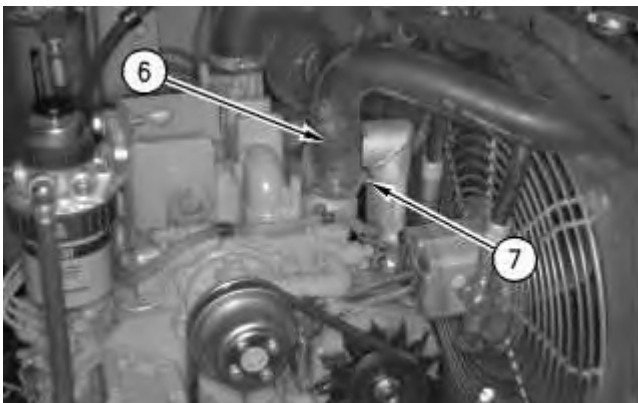


Illustration 4

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5. Loosen hose clamp (7). Disconnect coolant hose (6) from the engine.

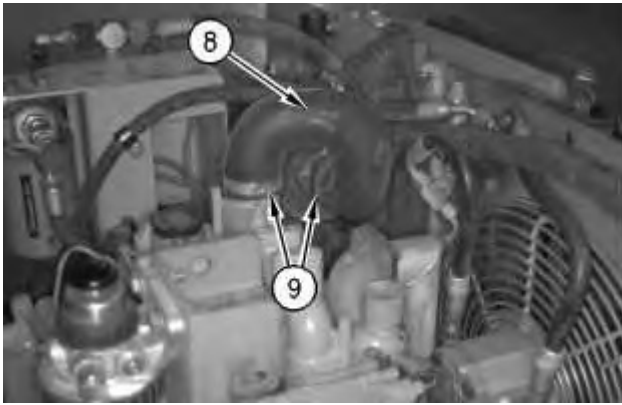


Illustration 5

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6. Loosen two hose clamps (9). Remove air intake hose (8) from the engine and the air cleaner housing.

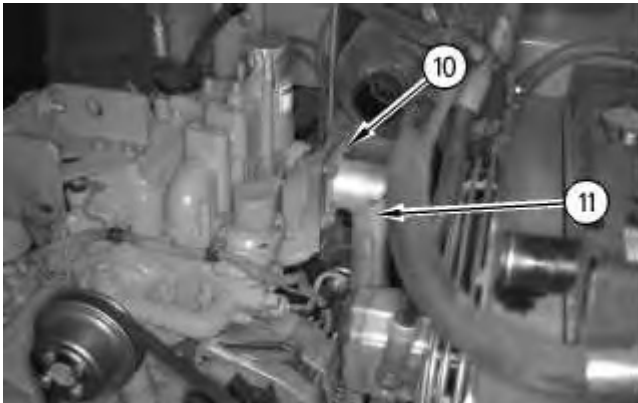


Illustration 6

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7. Remove four bolts (10) and slightly bend exhaust pipe (11) away from the engine.
-

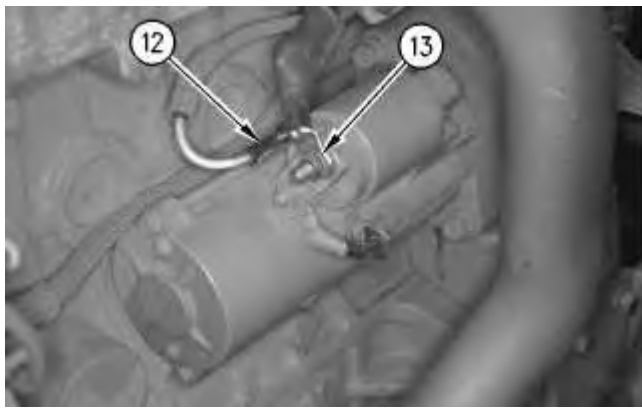


Illustration 7

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8. Disconnect electrical connector (12). Disconnect cable assembly (13) .

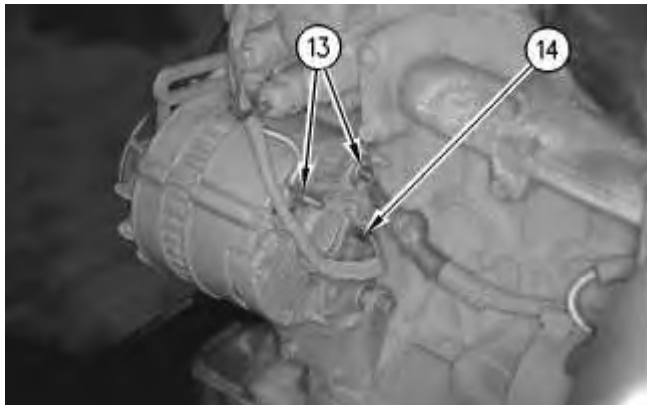


Illustration 8

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9. Remove two nuts, two washers, and two electrical connectors (13). Disconnect electrical connector (14) .

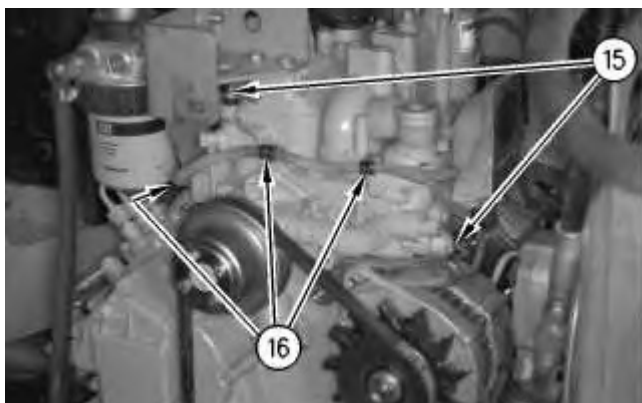


Illustration 9

g00610612

10. Disconnect two electrical connectors (15). Remove three clamps (16) that fasten the wiring harness to the engine.



Illustration 10

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11. Disconnect electrical connector (17) from the fuel shutoff solenoid.

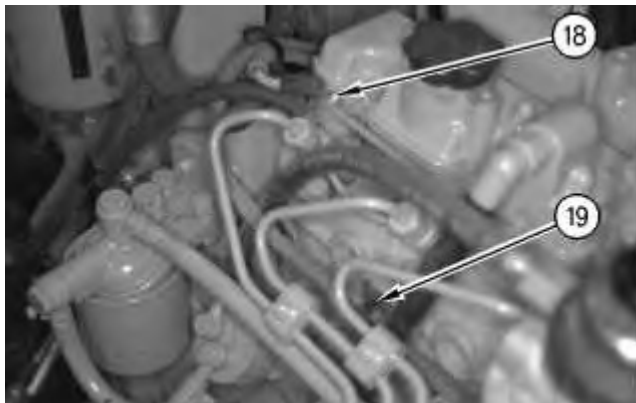


Illustration 11

g00610691

12. Remove the nut and disconnect electrical connector (18). Cut cable tie (19) and move the engine wiring harness aside.
-

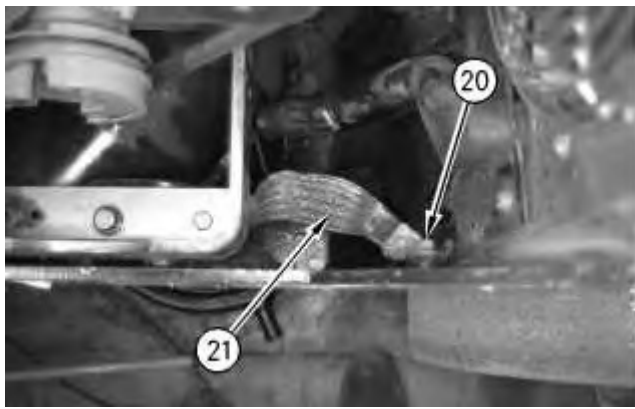


Illustration 12

g00610702

13. Remove bolt (20) which fastens the ground strap (21) from the frame.



Illustration 13

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14. Remove bolt (23) which fastens clamps (22) to the engine.

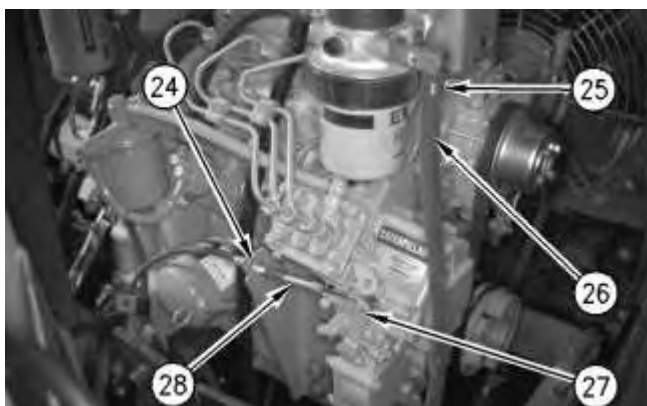


Illustration 14

g00610783

15. Loosen jam nut (24). Remove cotter pin (27) and remove throttle cable (28) .

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