



Service Manual

330D L EXCAVATO

JLP00001-UP

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[Previous Screen](#)**Product:** EXCAVATOR

Model: 330D L EXCAVATOR JLP

Configuration: 330D L Excavators JLP00001-UP (MACHINE) POWERED BY C9 Engine

Disassembly and Assembly

330D, 336D, 336D2, 340D and 340D2 Excavators and 336D MHPU Mobile Hydraulic Power Unit C9 Engine Supplement

Media Number -RENR8647-16

Publication Date -01/10/2015

Date Updated -26/10/2015

i02414156

Aftercooler - Install

SMCS - 1063-012

Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	140-7742	Sleeve	2
	189-0408	Shackle As	2

Note: Cleanliness is an important factor. Before assembly, all parts should be thoroughly cleaned in cleaning fluid. Allow the parts to air dry. Wiping cloths or rags should not be used to dry parts. Lint may be deposited on the parts which may cause later trouble. Inspect all parts. If any parts are worn or damaged, use new parts for replacement.

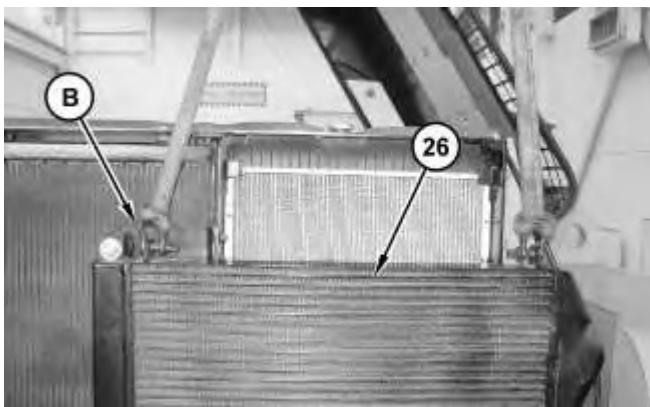


Illustration 1

g01207081

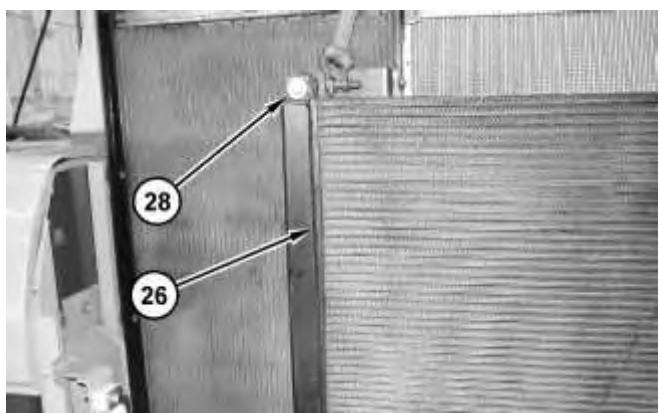


Illustration 2

g01207083

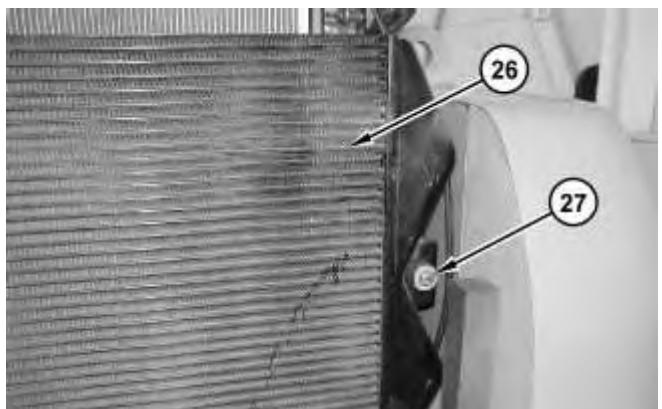


Illustration 3

g01207082

1. Use Tooling (B) and a suitable lifting device to place aftercooler (26) into position. The weight of aftercooler (26) is approximately 34 kg (75 lb).
2. Install bolt (27) and bolts (28).

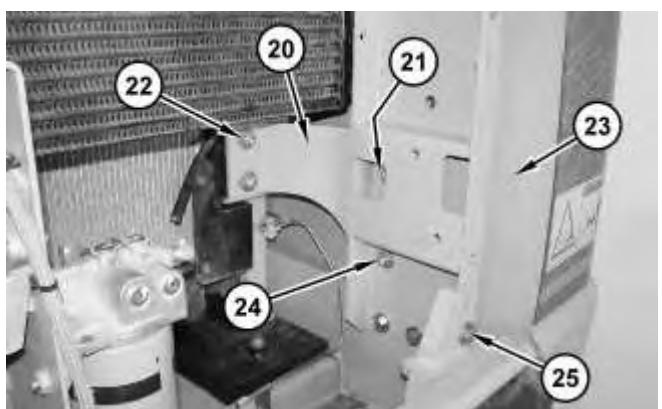


Illustration 4

g01207080

3. Install bracket (23), bracket (20), bolt (25), bolts (24), bolts (22), and bolt (21).

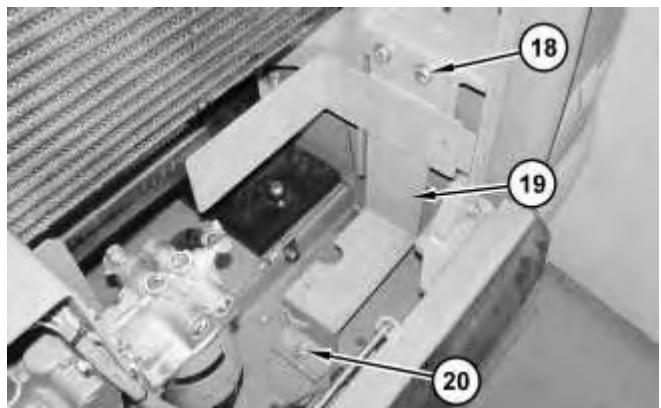


Illustration 5

g01207078

4. Install bracket (19), bolt (20), and bolts (18).

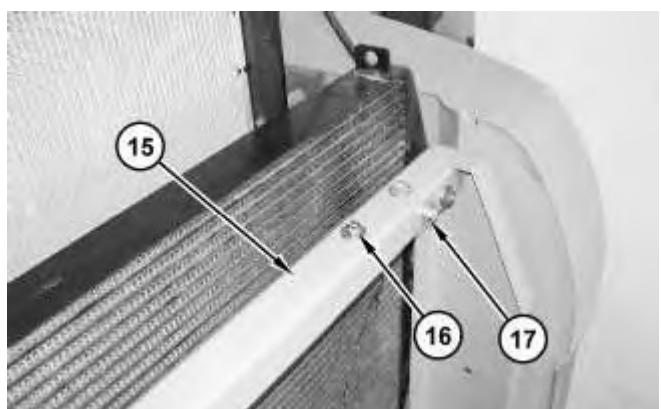


Illustration 6

g01207077

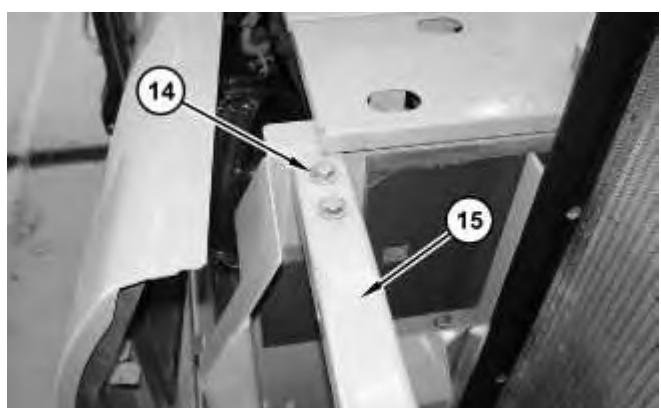


Illustration 7

g01207076

5. Install brace (15), bolts (17), bolts (16), and bolts (14).

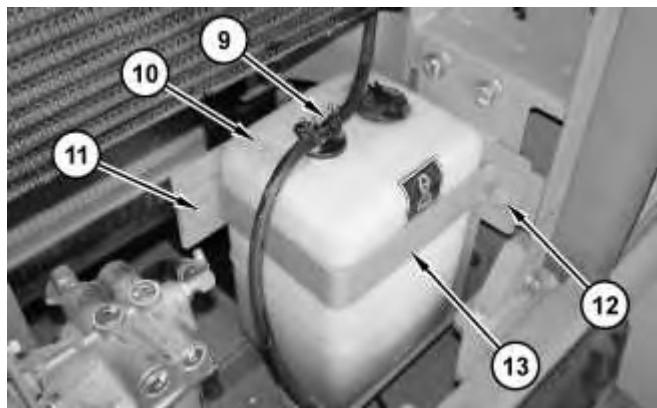


Illustration 8

g01207075

6. Install expansion tank (10).
7. Install bracket (13), bolt (12), and bolt (11).
8. Connect hose (9).

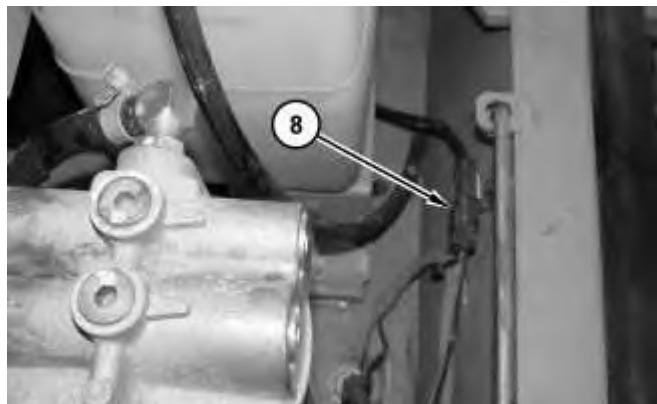


Illustration 9

g01207074

9. Connect harness assembly (8).

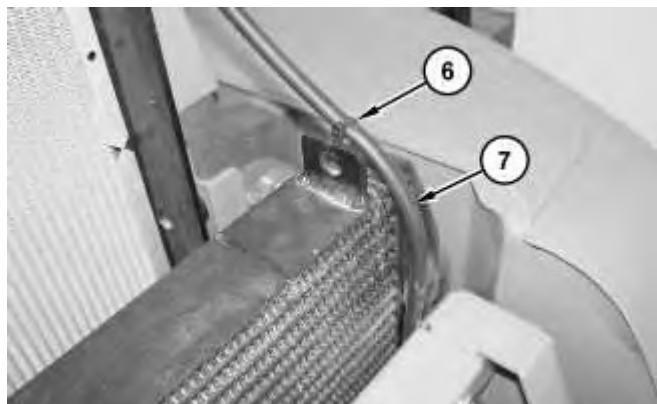


Illustration 10

g01207073

10. Position hose (7) and install cable straps (6).



Illustration 11

g01207072

11. Connect hoses (5).

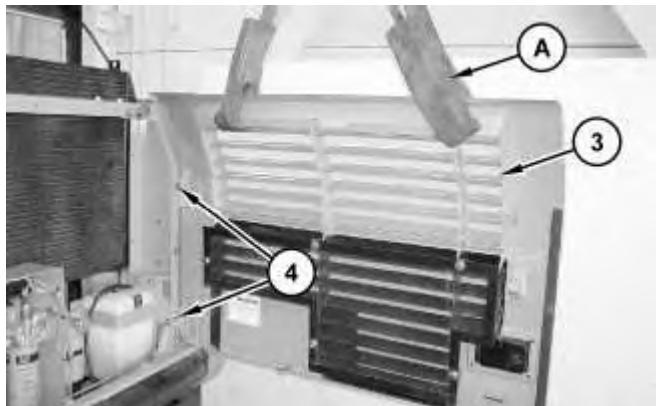


Illustration 12

g01207071

12. Use Tooling (A) and a suitable lifting device to position door (3). The weight of door (3) is approximately 41 kg (90 lb).
13. Install bolts (4).



Illustration 13

g01207070

14. Install guard (2) and bolts (1).

End By:

- a. Install cooling system package enclosure. Refer to Disassembly and Assembly, "Enclosure (Cooling System Package) - Install".

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Model: 330D L EXCAVATOR JLP

Configuration: 330D L Excavators JLP00001-UP (MACHINE) POWERED BY C9 Engine

Disassembly and Assembly

330D, 336D, 336D2, 340D and 340D2 Excavators and 336D MHPU Mobile Hydraulic Power Unit C9 Engine Supplement

Media Number -RENR8647-16

Publication Date -01/10/2015

Date Updated -26/10/2015

i02414155

Aftercooler - Remove

SMCS - 1063-011

Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	140-7742	Sleeve	2
B	189-0408	Shackle As	2

Start By:

- a. Remove the cooling system package enclosure. Refer to Disassembly and Assembly, "Enclosure (Cooling System Package) - Remove".

Note: Cleanliness is an important factor. Before the disassembly procedure, the exterior of the component should be thoroughly cleaned. This will help to prevent dirt from entering the internal mechanism.

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



Illustration 1

g01207070

1. Remove bolts (1) and guard (2).

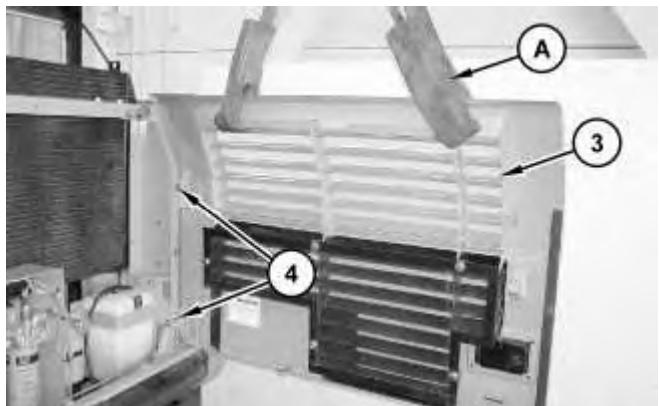


Illustration 2

g01207071

2. Attach Tooling (A) and a suitable lifting device to door (3). The weight of door (3) is approximately 41 kg (90 lb).
3. Remove bolts (4) and door (3).

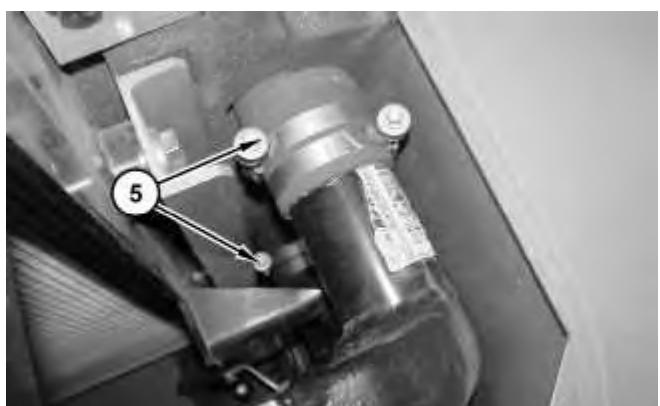


Illustration 3

g01207072

4. Disconnect hoses (5).

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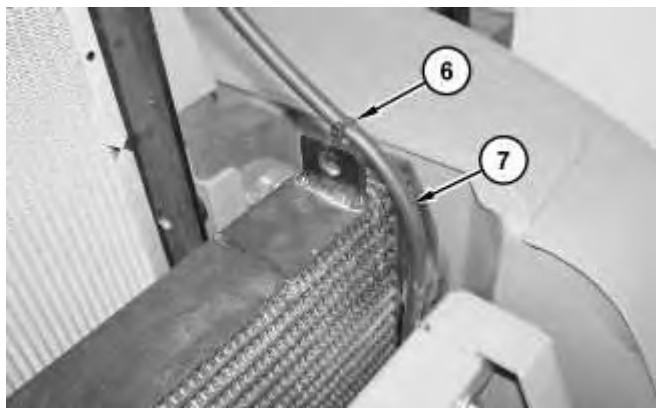


Illustration 4

g01207073

5. Cut cable straps (6) and place hose (7) aside.

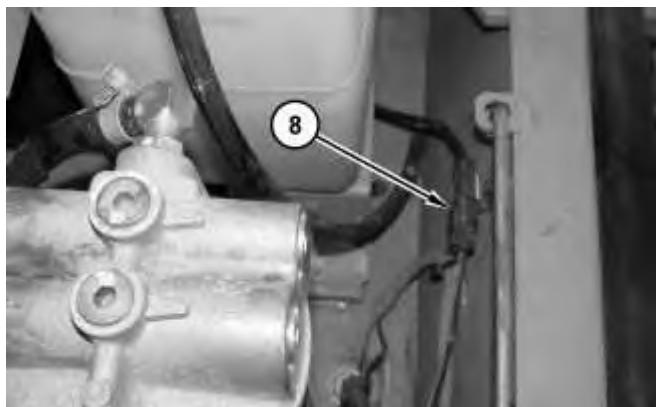


Illustration 5

g01207074

6. Disconnect harness assembly (8).

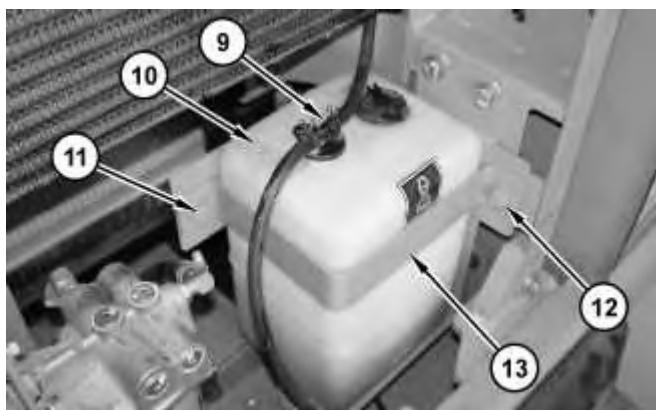


Illustration 6

g01207075

7. Disconnect hose (9).
8. Remove bolt (11), bolt (12), and bracket (13).

9. Remove expansion tank (10).

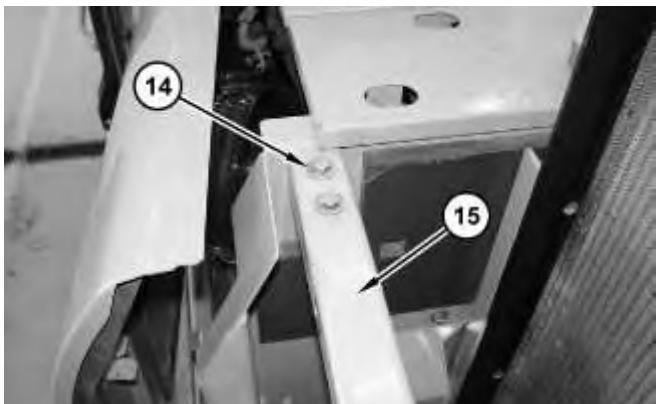


Illustration 7

g01207076

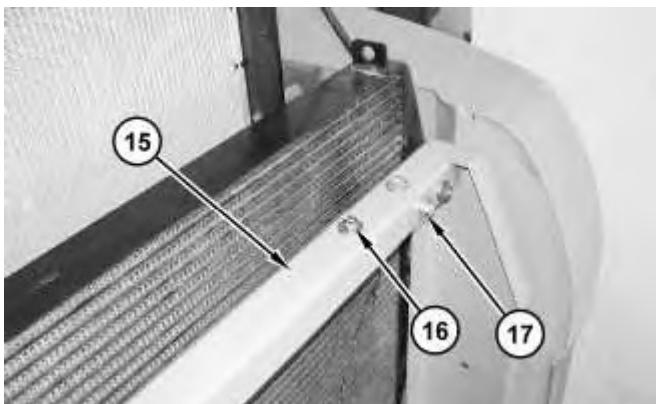


Illustration 8

g01207077

10. Remove bolts (14), bolts (16), bolts (17), and brace (15).

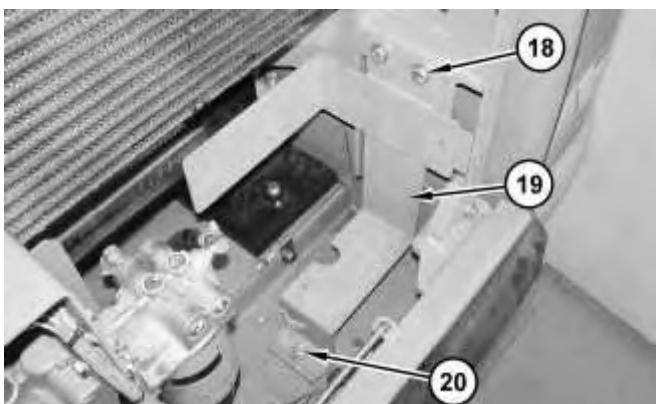


Illustration 9

g01207078

11. Remove bolts (18), bolt (20), and bracket (19).

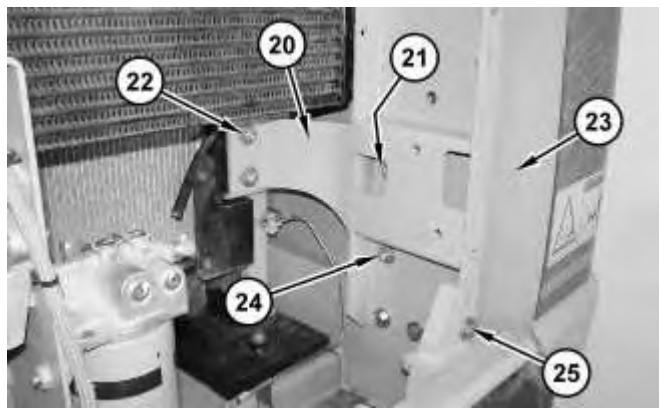


Illustration 10

g01207080

12. Remove bolt (21), bolts (22), bolts (24), bolt (25), bracket (20), and bracket (23).

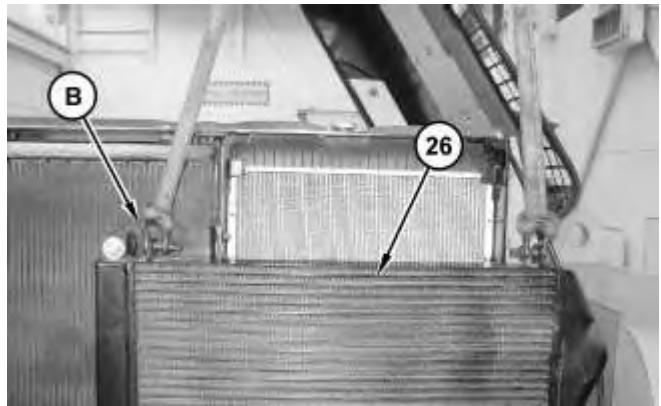


Illustration 11

g01207081

13. Attach Tooling (B) and a suitable lifting device to aftercooler (26). The weight of aftercooler (26) is approximately 34 kg (75 lb).

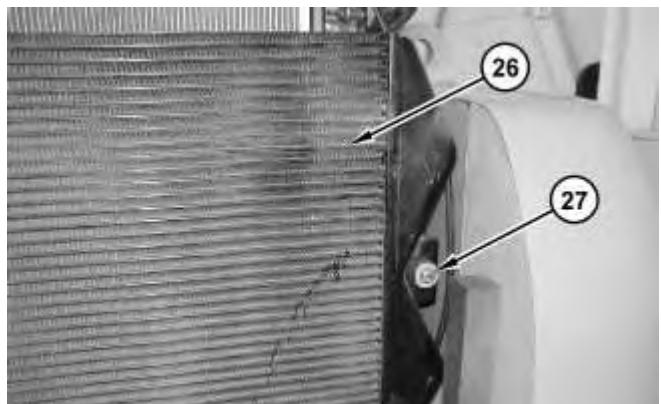


Illustration 12

g01207082

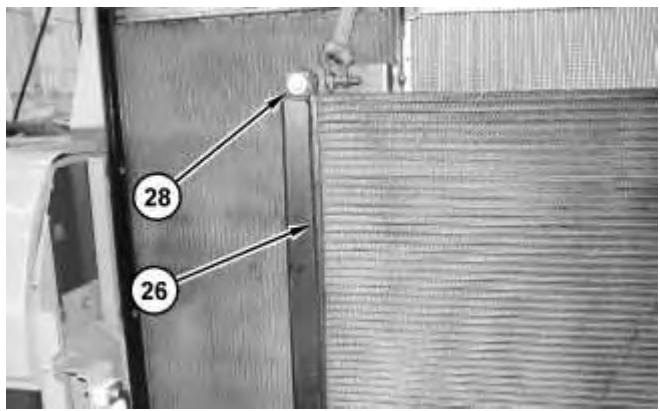


Illustration 13

g01207083

-
14. Remove bolt (27), bolts (28), and aftercooler (26).

[Previous Screen](#)**Product:** EXCAVATOR

Model: 330D L EXCAVATOR JLP

Configuration: 330D L Excavators JLP00001-UP (MACHINE) POWERED BY C9 Engine

Disassembly and Assembly

330D, 336D, 336D2, 340D and 340D2 Excavators and 336D MHPU Mobile Hydraulic Power Unit C9 Engine Supplement

Media Number -RENR8647-16

Publication Date -01/10/2015

Date Updated -26/10/2015

i02412726

Air Cleaner - Remove and Install

SMCS - 1051-010; 1054-010

Removal Procedure

Note: Cleanliness is an important factor. Before the disassembly procedure, the exterior of the component should be thoroughly cleaned. This will help to prevent dirt from entering the internal mechanism.

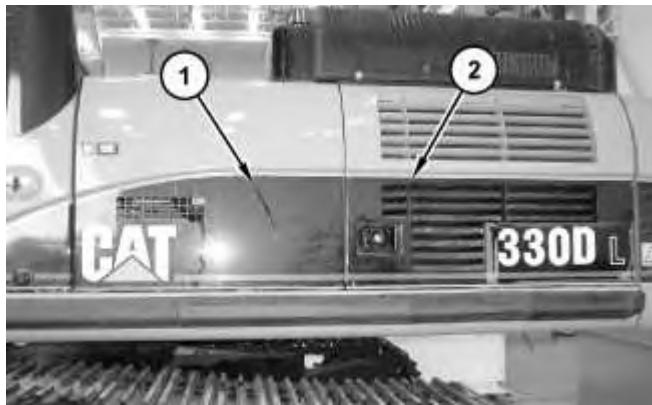


Illustration 1

g01205948

1. Open doors (2) and (1).

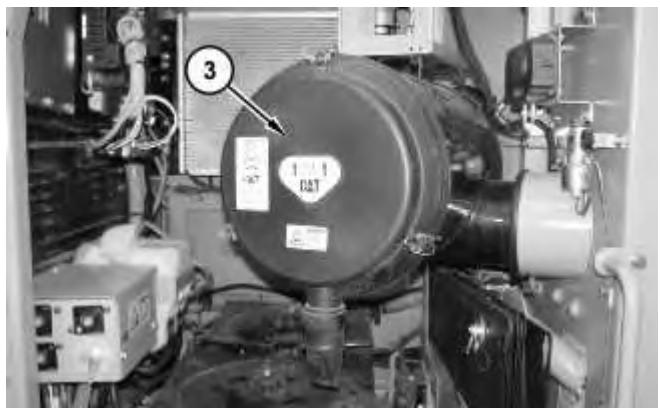


Illustration 2

g01206308

2. Remove cover (3).

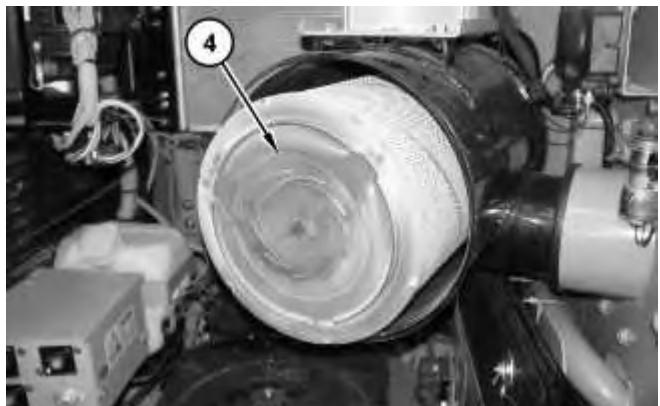


Illustration 3

g01206309

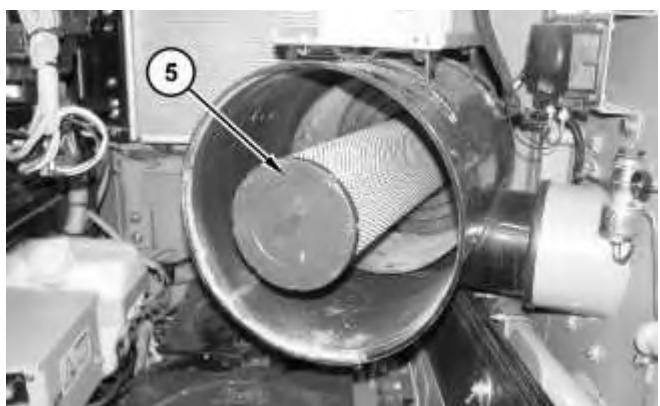


Illustration 4

g01206310

3. Remove primary filter element (4) and secondary filter element (5).

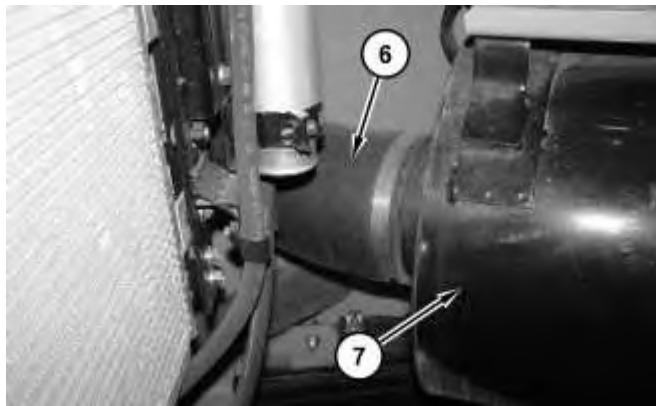


Illustration 5

g01206311

4. Disconnect hose (6) from the back of air cleaner assembly (7).

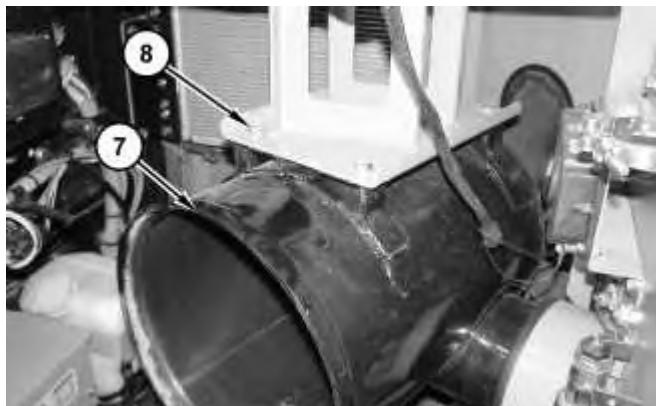


Illustration 6

g01206312

5. Remove bolts (8) and air cleaner assembly (7).

Installation Procedure

Note: Cleanliness is an important factor. Before assembly, all parts should be thoroughly cleaned in cleaning fluid. Allow the parts to air dry. Wiping cloths or rags should not be used to dry parts. Lint may be deposited on the parts which may cause later trouble. Inspect all parts. If any parts are worn or damaged, use new parts for replacement.

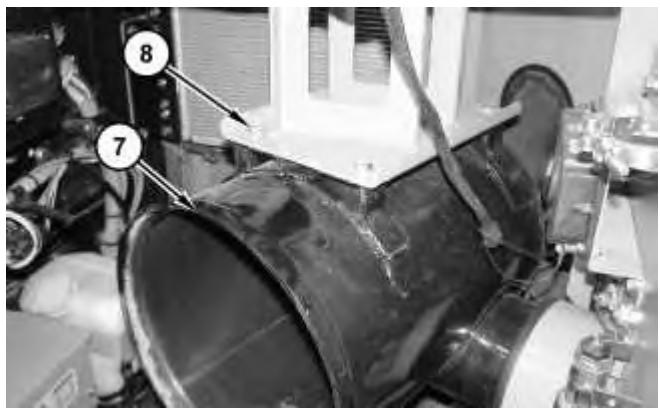


Illustration 7

g01206312

1. Install air cleaner assembly (7) and bolts (8).

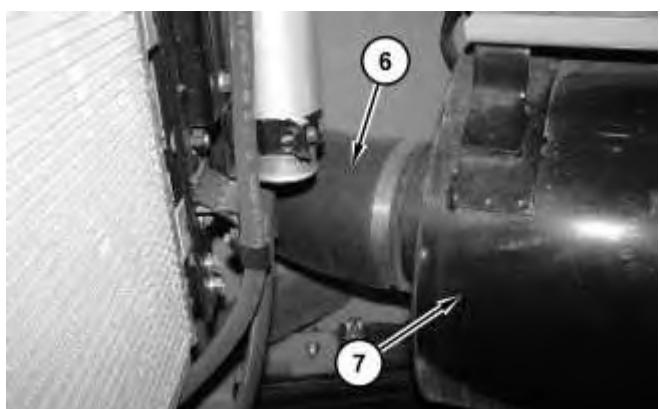


Illustration 8

g01206311

2. Connect hose (6) to the back of air cleaner assembly (7).

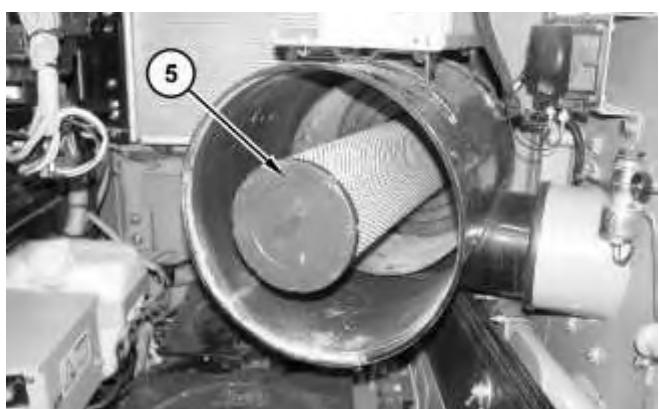


Illustration 9

g01206310

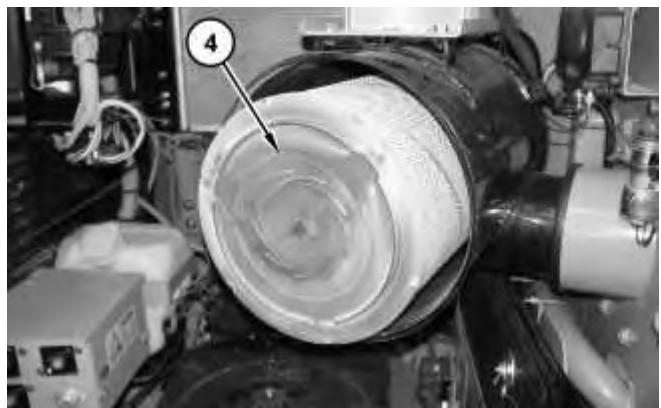


Illustration 10

g01206309

3. Install secondary filter element (5) and primary filter element (4).

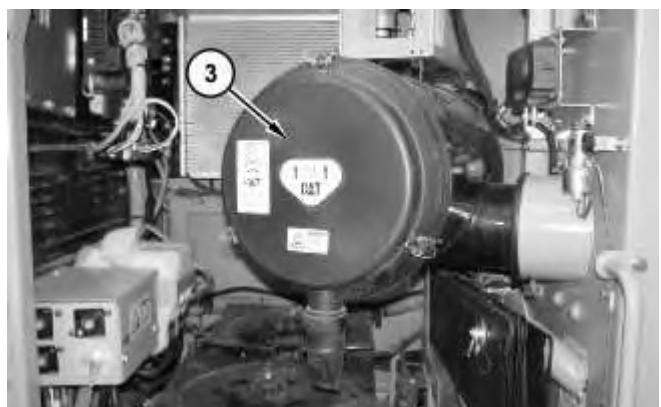


Illustration 11

g01206308

4. Install cover (3).

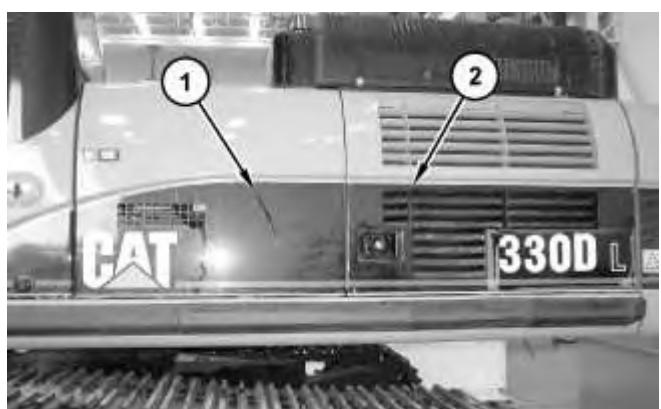


Illustration 12

g01205948

5. Close doors (1) and (2).

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[Previous Screen](#)**Product:** EXCAVATOR

Model: 330D L EXCAVATOR JLP

Configuration: 330D L Excavators JLP00001-UP (MACHINE) POWERED BY C9 Engine

Disassembly and Assembly

330D, 336D, 336D2, 340D and 340D2 Excavators and 336D MHPU Mobile Hydraulic Power Unit C9 Engine Supplement

Media Number -RENR8647-16

Publication Date -01/10/2015

Date Updated -26/10/2015

i02412728

Alternator - Remove and Install

SMCS - 1405-010

Removal Procedure

Note: Cleanliness is an important factor. Before the disassembly procedure, the exterior of the component should be thoroughly cleaned. This will help to prevent dirt from entering the internal mechanism.

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

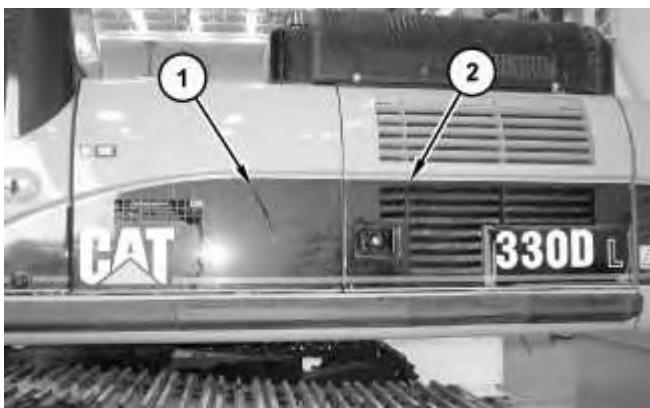


Illustration 1

g01205948

1. Open doors (2) and (1).

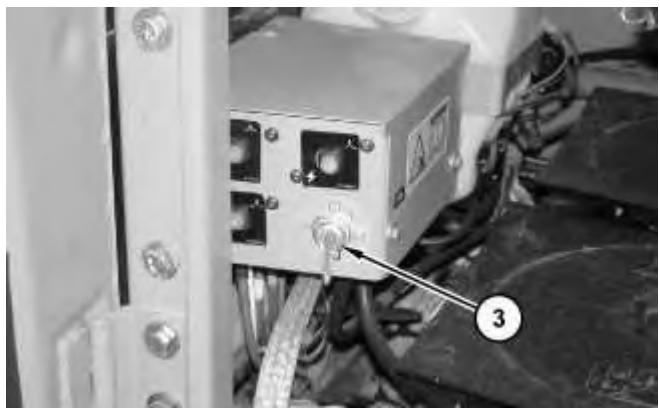


Illustration 2

g01205949

2. Turn battery disconnect switch (3) to the OFF position.

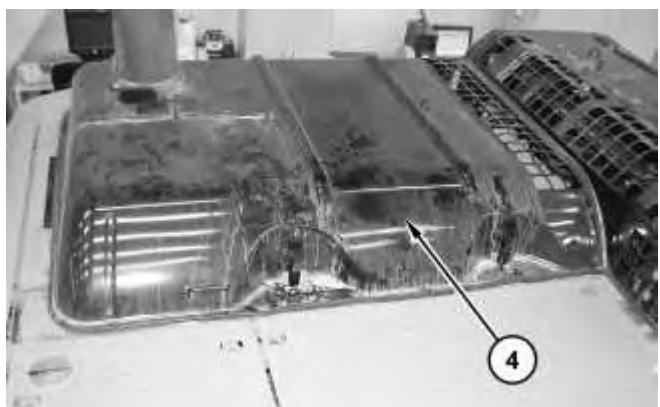


Illustration 3

g01205950

3. Open engine hood (4).

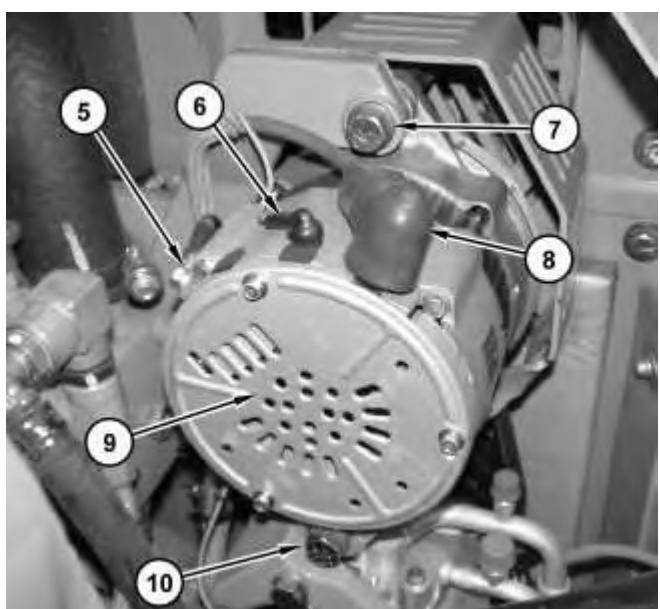


Illustration 4

g01205953

4. Remove the belt from alternator (9). Refer to Operation and Maintenance Manual, "Belts - Inspect / Adjust / Replace".
5. Disconnect harness assemblies (5), (6), and (8).
6. Remove bolt (7), bolt (10), and alternator (9).

Installation Procedure

Note: Cleanliness is an important factor. Before assembly, all parts should be thoroughly cleaned in cleaning fluid. Allow the parts to air dry. Wiping cloths or rags should not be used to dry parts. Lint may be deposited on the parts which may cause later trouble. Inspect all parts. If any parts are worn or damaged, use new parts for replacement.

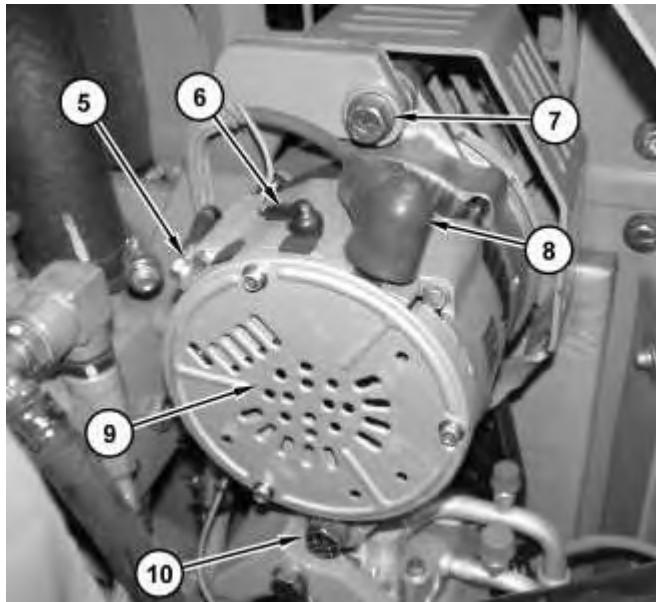


Illustration 5

g01205953

1. Install alternator (9), bolt (7), and bolt (10).
2. Connect harness assemblies (5), (6), and (8).
3. Install the belt to alternator (9). Refer to Operation and Maintenance Manual, "Belts - Inspect / Adjust / Replace".

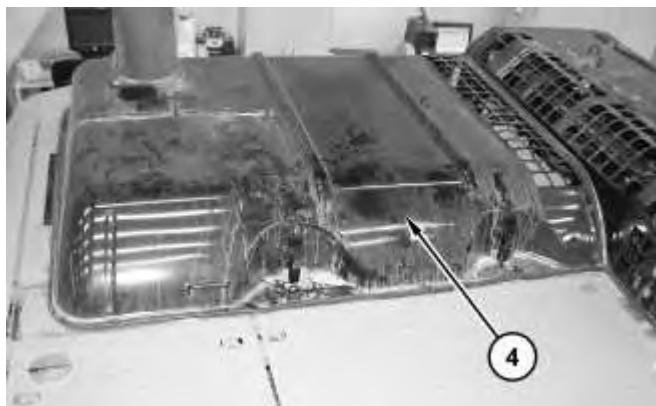


Illustration 6

g01205950

4. Close engine hood (4).

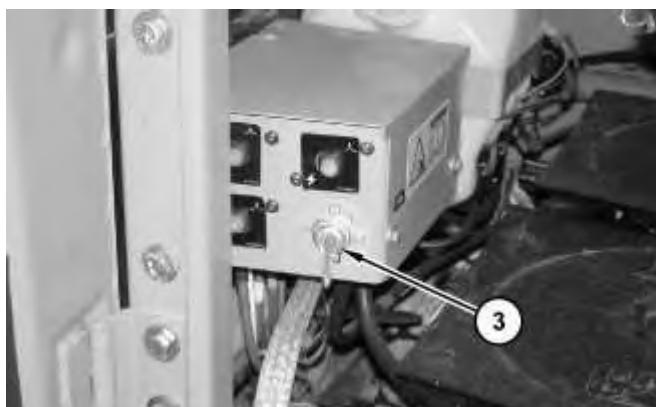


Illustration 7

g01205949

5. Turn battery disconnect switch (3) to the ON position.

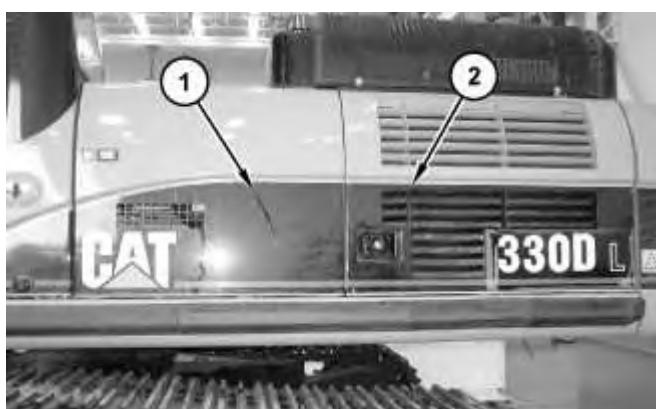


Illustration 8

g01205948

6. Close doors (1) and (2).

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Model: 330D L EXCAVATOR JLP

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Disassembly and Assembly

330D, 336D, 336D2, 340D and 340D2 Excavators and 336D MHPU Mobile Hydraulic Power Unit C9 Engine Supplement

Media Number -RENR8647-16

Publication Date -01/10/2015

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i02412731

Battery - Remove and Install

SMCS - 1401-010

Removal Procedure

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

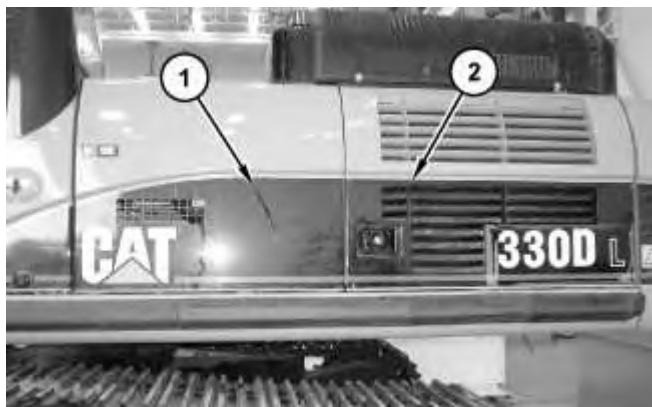


Illustration 1

g01205948

1. Open doors (2) and (1).

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