

SMCS - 1063

i10163644

Removal Procedure

Start By:

- a. Remove the refrigerant condenser. Refer to [Refrigerant Condenser - Remove and Install](#) .
- b. Remove the hydraulic oil cooler. Refer to [Hydraulic Oil Cooler - Remove and Install](#) .

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

Note: Put identification marks on the hose assemblies, the tube assemblies, and the wire harnesses for installation purposes. Plug all open ports, the hose assemblies, and the tube assemblies to prevent fluid loss and prevent contaminants from entering the system.

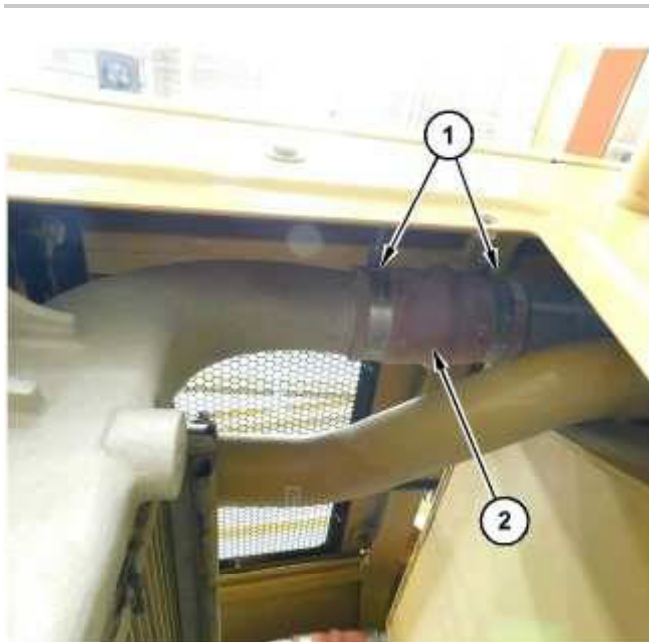


Illustration 1

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1. Loosen clamps (1) and position hose (2) out of the way.
-

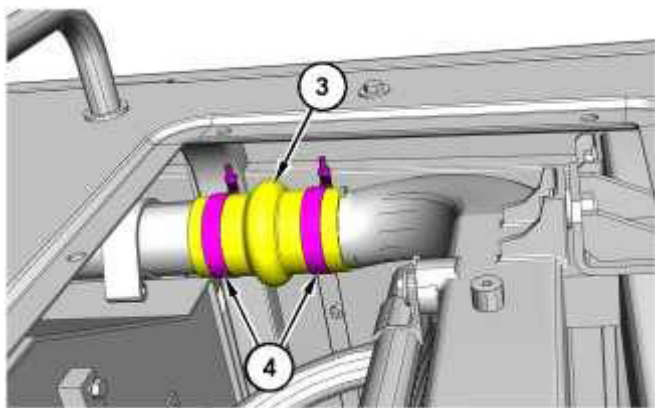


Illustration 2

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2. Loosen clamps (4) and position hose (3) out of the way.

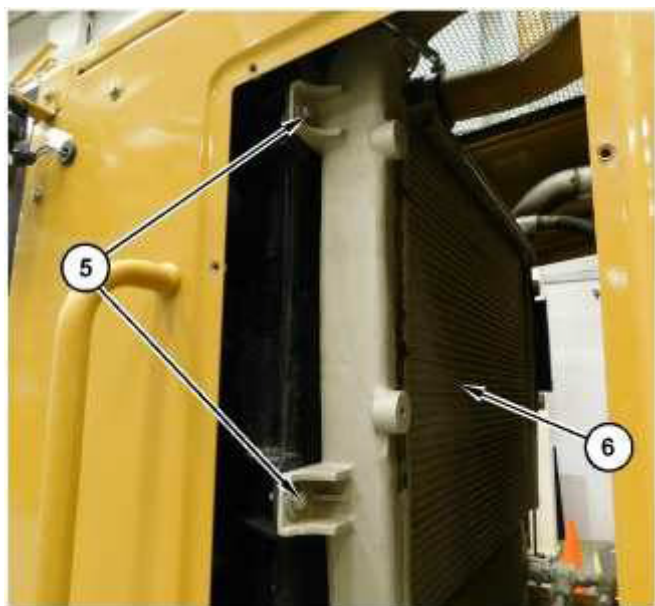


Illustration 3

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3. Use two people to remove aftercooler (6). The weight of aftercooler (6) is approximately 28 kg (62 lb).
4. Remove bolts (5), the sleeves, and the mounts. Repeat for the other side. Remove aftercooler (6).

Installation Procedure

1. Install aftercooler (6) in the reverse order of removal.
 - a. Tighten bolts (5) to a torque of 55 ± 10 N.m (41 ± 7 lb ft).

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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.

NOTICE

Keep all parts clean from contaminants.

Contaminants may cause rapid wear and shortened component life.

Note: Put identification marks on the hose assemblies, the tube assemblies, and the wire harnesses for installation purposes. Plug all open ports, the hose assemblies, and the tube assemblies to prevent fluid loss and prevent contaminants from entering the system.



Illustration 1

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1. Open door assembly (1).

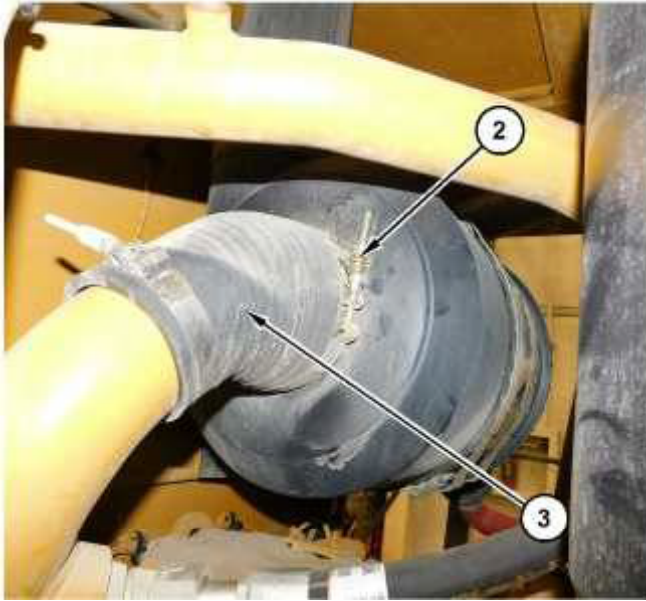


Illustration 2

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Note: Mark the orientation of clamp (2) for installation purposes.

2. Loosen clamp (2) and position hose (3) out of the way.

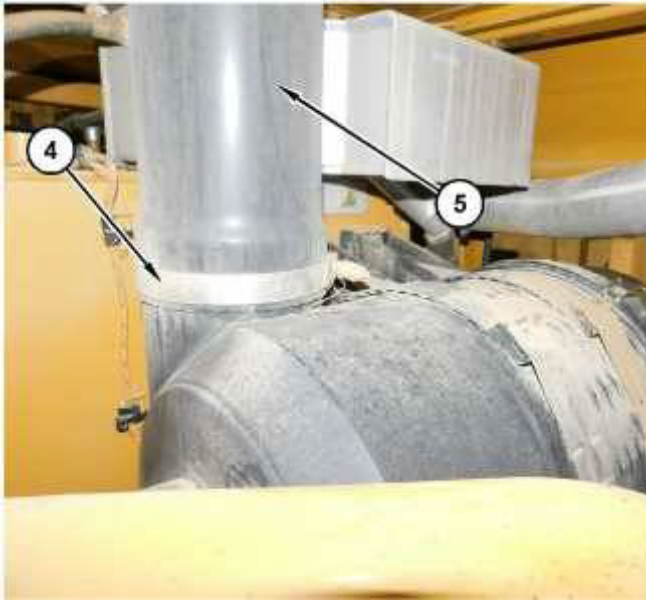


Illustration 3

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Note: Mark the orientation of clamp (4) for installation purposes.

3. Loosen clamp (4) and remove pipe assembly (5).



Illustration 4

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4. Open door assembly (6).



Illustration 5

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Note: Mark the orientation of the clamp for installation purposes.

5. Loosen the clamp and disconnect hose (7).



Illustration 6

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6. Remove bolts (8) and air cleaner (9).

Installation Procedure

1. Install air cleaner (9) in the reverse order of removal.

Note: Oversize washers recommended for use with bolts (8). Smaller diameter washer may cause deformation of the plastic mounting bracket.

- a. Tighten bolts (8) to a torque of 15 ± 1 N.m (133 ± 9 lb in).
- b. Tighten clamp (4) to a torque of 11 ± 1 N.m (97 ± 9 lb in).
- c. Tighten clamp (2) to a torque of 11 ± 1 N.m (97 ± 9 lb in).

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SMCS - 1803

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Removal Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	316-0704	Pliers	2



WARNING

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



WARNING

Hot oil and components can cause personal injury.

Do not allow hot oil or components to contact the skin.

Be sure that the engine and components are cool enough to touch with your bare hand prior to performing any service work.



WARNING

In order to prevent possible personal injury, release the air pressure from the air tank before disconnecting any components of the air system.



WARNING

Do not disconnect the air lines until the air pressure in the system is at zero. If hose is disconnected under pressure it can