

## Disassembly and Assembly

SUPPLEMENT FOR - 3046 ENGINE 315 & 315 L EXCAVATORS

Media Number -SEN6251-00

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# Radiator

SMCS - 1353-010

## Remove & Install Radiator

Tools Needed		A
6V-2156	Link Bracket	2

Start By:

- a. remove fan assembly



**WARNING**

**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 fill cap is cool enough to touch with your bare hand. Remove the fill cap slowly to relieve pressure in the cooling system. Cooling system conditioner contains alkali. Avoid contact with skin and eyes to prevent personal injury.**

1. Drain the coolant from the cooling system into a suitable container for storage or disposal. The capacity of the cooling system is **17.3 liters (4.5 U.S. gal)**.

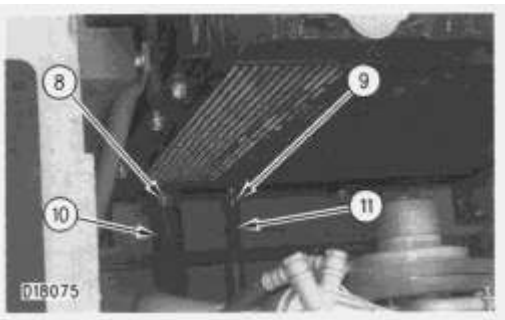


View From Under Machine

2. Remove four bolts (1), the washers and sheet assembly (2) from under the radiator.



3. Remove two clamps (3) and upper radiator hose (6) from the machine.
4. Remove clamp (5), and disconnect overflow tube (4) from the radiator.
5. Remove radiator shroud (7).



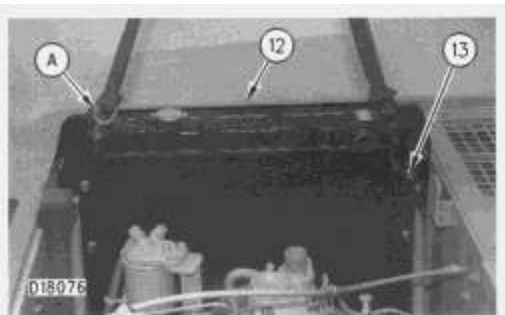
6. Loosen clamp (9), and disconnect heater hose (11) from the radiator.
7. Loosen clamp (8), and disconnect lower radiator hose (10) from the radiator.

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### NOTICE

**Do not damage the radiator core when it is removed or installed from the machine.**

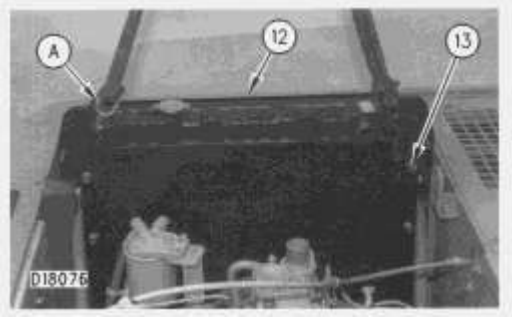
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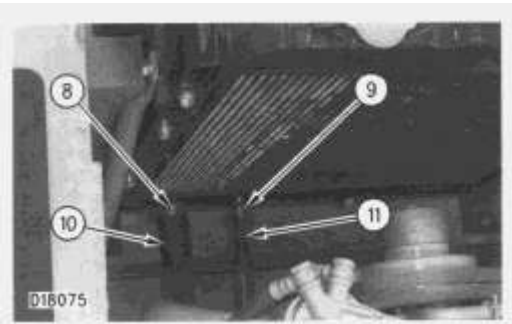
8. Fasten Tool (A) and a hoist to the radiator as shown. Remove eight bolts (13) that hold the radiator to the support assembly. Carefully remove radiator (12) from the machine. The weight of the radiator is **23 kg (50 lb)**.

**NOTE:** The following steps are for the installation of the radiator.

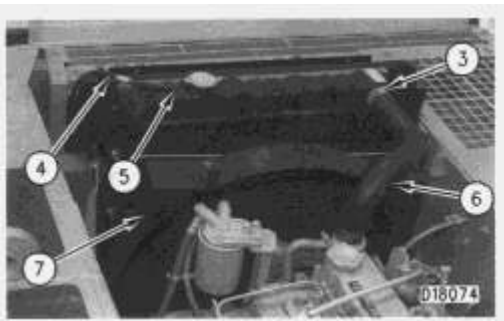
9. Check the condition of the radiator prior to installation. Remove any dirt or debris that may restrict the flow of air through the core. If any of the cooling fins are bent, they should be straightened.



10. Fasten Tool (A) and a hoist to radiator (12) as shown. Carefully put the radiator in position in the support assembly. Install eight bolts (13) that hold it.



11. Connect heater hose (11) and lower radiator hose (10) at the bottom of the radiator. Tighten the clamps (8) and (9) that hold the hose in position.



12. Put radiator shroud (7) in position at the front of the engine as shown.

13. Install upper radiator hose (6) and two clamps (3) that hold it.

14. Connect overflow hose (4) to the radiator. Install clamp (5) that holds it.

