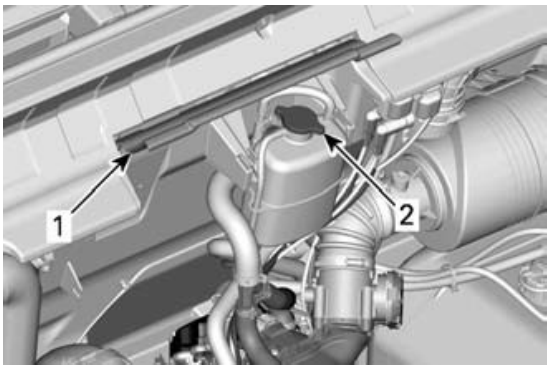
Engine Coolant Replacement

Cooling System Draining

⚠ WARNING

In order to avoid potential burns, do not remove the pressure cap or loosen the coolant drain plug if the engine is hot.

1. Open cargo box.
2. Lift service cover
3. Remove the cooling system pressure cap.



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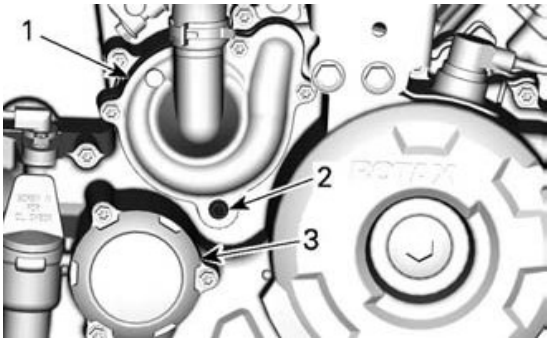
1. Service cover
2. Cooling system pressure cap

4. Unscrew coolant drain plug and drain the coolant into a suitable container.

NOTE: Do not unscrew the coolant drain plug completely.



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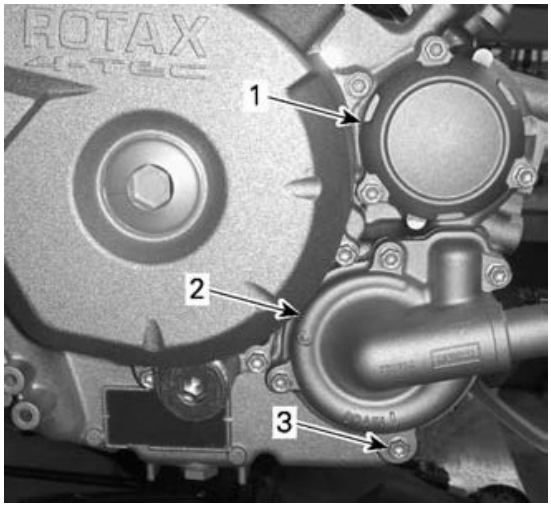
HD5
1. Water pump cover
2. Coolant drain plug
3. Oil filter cover



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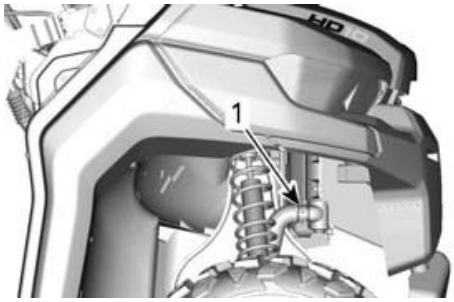
HD8 AND HD10
1. Oil filter cover
2. Water pump cover
3. Coolant drain plug

5. Disconnect the lower radiator hose and drain the remaining coolant into a suitable container.

NOTE: Take note of the position of the hose clamp on the lower radiator hose at the radiator.



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1. Lower radiator hose to disconnect

6. Drain cooling system completely.
7. Reinstall cooling system drain plug.

TIGHTENING TORQUE	
Coolant drain plug	10 N•m ± 1 N•m (89 lbf•**in** ± 9 lbf•**in**)

8. Reinstall radiator hose as noted prior to removal.

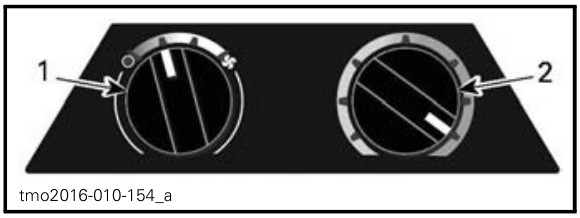
TIGHTENING TORQUE	
Radiator clamp	3 N•m ± 0.5 N•m (27 lbf•**in** ± 4 lbf•**in**)

9. Fill cooling system with coolant, refer to *COOLING SYSTEM BLEEDING* procedure.

Cooling System Bleeding

Models with a Heating System

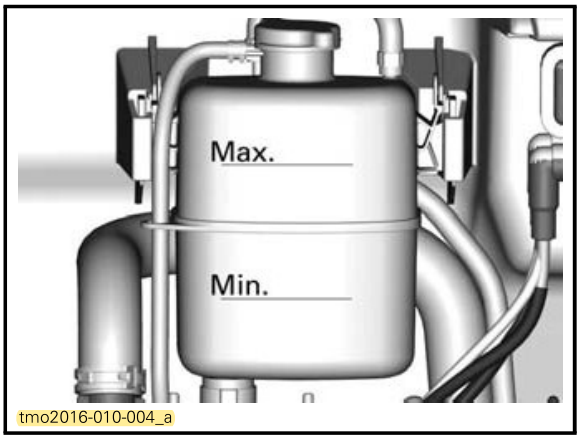
1. Activate heater fan and put heating level to maximum.



1. Heater fan speed control button
2. Heating level button

All Models

2. Remove the pressure cap.
3. Fill coolant system until it is full up to the Max line on the coolant bottle.



4. Install pressure cap.
5. Run engine at idle with the pressure cap ON until the cooling fan cycles on for a second time.
6. Stop the engine and let it cool down.

⚠ WARNING

In order to avoid potential burns, do not remove the pressure cap if the engine is hot.

7. When the engine is cool, remove pressure cap and add coolant if required.
8. Install pressure cap.
9. After the next ride following this procedure, check coolant level. Add coolant as required. Refer to *ENGINE COOLANT LEVEL VERIFICATION* in this section.

Muffler and Spark Arrester

Muffler Cleaning (HD5)

Purge the muffler from accumulated carbon as follows.

Place the vehicle in a well ventilated area.

Stop engine and let muffler cool down.

⚠ WARNING

Never run engine in an enclosed area. Never perform this operation immediately after the engine has been running because exhaust system is very hot. Make sure that there are no combustible materials in the area. Wear eye protection and gloves. Never stand behind the vehicle while purging exhaust system. Respect all applicable laws and regulations.

Remove the muffler cleanout plug.