

Cooling System Draining and Filling (Static Fill)

Special Tools

GE-26568 Coolant and Battery Fluid Tester

Equivalent regional tools: [Special Tools](#)

Draining Procedure

Warning: To avoid being burned, do not remove the radiator cap or surge tank cap while the engine is hot. The cooling system will release scalding fluid and steam under pressure if radiator cap or surge tank cap is removed while the engine and radiator are still hot.

1. Remove coolant pressure cap.
2. Raise and support the vehicle. [Lifting and Jacking the Vehicle](#).
3. Remove the front compartment air deflector if equipped. [Front Compartment Air Deflector Replacement](#).
4. Place a drain pan under the drain cock.
5. Radiator Drain Cock » Open
6. Drain the cooling system.
7. Remove the drain pan.
8. Inspect the coolant.
9. If the coolant is discolored, perform the flushing procedure. [Flushing](#).
10. Radiator Drain Cock » Close
11. Install the front compartment air deflector if equipped. [Front Compartment Air Deflector Replacement](#).
12. Lower the vehicle.

Filling Procedure

Caution: The procedure below must be followed. Improper coolant level could result in a low or high coolant level condition, causing engine damage.

Note: Use a 50/50 mixture of DEX-COOL antifreeze and clean drinkable water.

1. Slowly fill the radiator with a 50/50 coolant mixture until the coolant level is just below the radiator fill neck. [Approximate Fluid Capacities](#).
2. Allow 30 seconds for the coolant level to stabilize and continue to fill the radiator until the level stabilizes for at least 2 minutes.
3. Start the engine and allow to the engine to idle.
4. Slowly fill the coolant mixture until the level stabilizes at the just below the top of radiator fill neck for at least 2 minutes.
5. Install the coolant pressure cap.
6. Allow the engine to idle until the engine reaches normal operating temperature.
7. Shut the engine OFF.
8. Allow the engine to cool.
9. Remove the coolant pressure cap and top off the engine coolant in the radiator.

10. Inspect the concentration of the engine coolant using the *GE-26568* Coolant and Battery Fluid Tester.
11. Install coolant pressure cap.
12. Inspect and if necessary, fill the coolant reservoir bottle.
13. Rinse away any excess coolant from the engine and the engine compartment
14. Inspect the cooling system for leaks.
15. Top off the coolant reservoir if necessary.
16. Install the front compartment air deflector if equipped. [Front Compartment Air Deflector Replacement](#).