

Thermostat

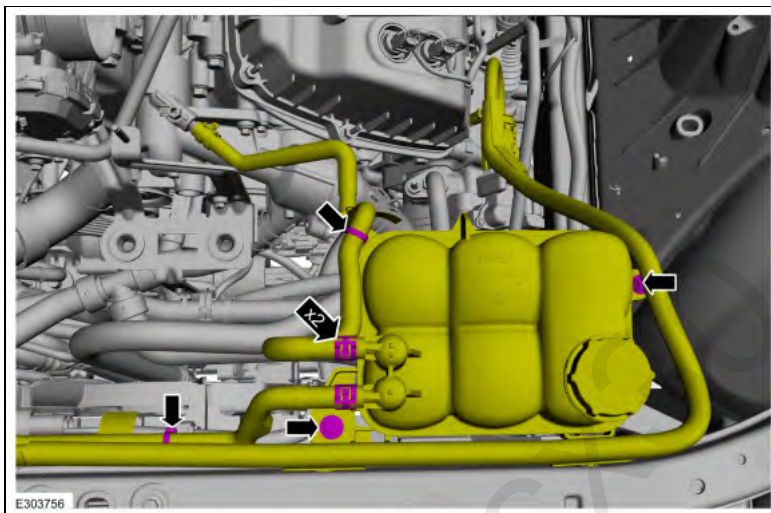
Special Tool(s) / General Equipment

Hose Clamp Remover/Installer

Removal

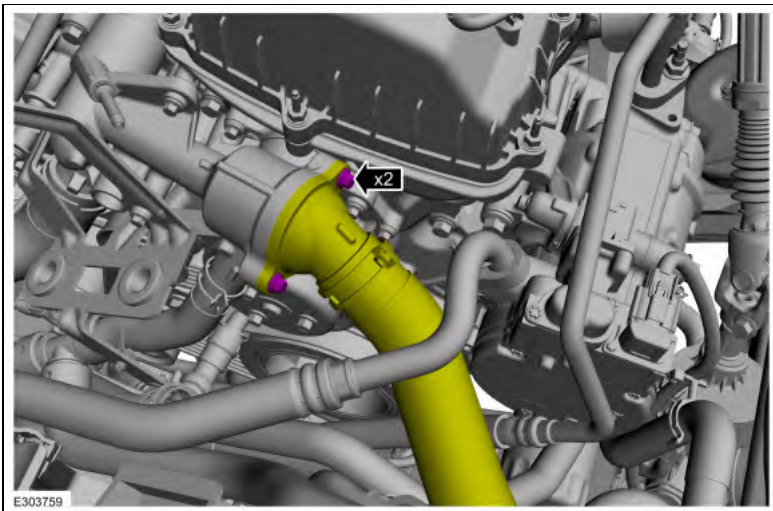
NOTE: Removal steps in this procedure may contain installation details.

1. Drain the cooling system.
Refer to: Engine Cooling System Draining, Vacuum Filling and Bleeding (303-03D Engine Cooling - 3.3L Duratec-V6 â€“ Hybrid (BP), General Procedures).
2. Remove the air cleaner.
Refer to: Air Cleaner (303-12D Intake Air Distribution and Filtering - 3.3L Duratec-V6 â€“ Hybrid (BP), Removal and Installation).
3.
 - Detach the coolant hose retainers and the wiring harness retainer.
 - Release the clamps and disconnect the coolant hoses.
Use the General Equipment: Hose Clamp Remover/Installer
 - Remove the bolt and position the degas bottle aside.
Torque: 44 lb.in (5 Nm)



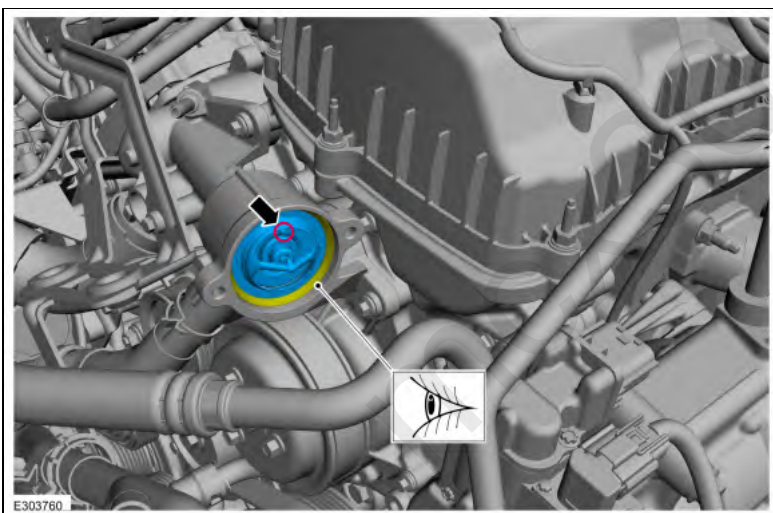
4. **NOTE:** During installation, make sure the coolant outlet connection is fully seated on the thermostat housing before tightening the bolts.

Remove the bolts and disconnect the coolant inlet connector.
Torque: 89 lb.in (10 Nm)



5. **NOTE:** During installation verify the thermostat vent hole is at the 11 o'clock position.

Remove the thermostat. Inspect the O-ring seal and replace if necessary.



Installation

1. Install a new O-ring seal and lubricate it with clean engine coolant.
Refer to: Specifications (303-03D Engine Cooling - 3.3L Duratec-V6 4-cylinder Hybrid (BP), Specifications).
2. To install, reverse the removal procedure.
3. Fill and bleed the cooling system.
Refer to: Engine Cooling System Draining, Vacuum Filling and Bleeding (303-03D Engine Cooling - 3.3L Duratec-V6 4-cylinder Hybrid (BP), General Procedures).