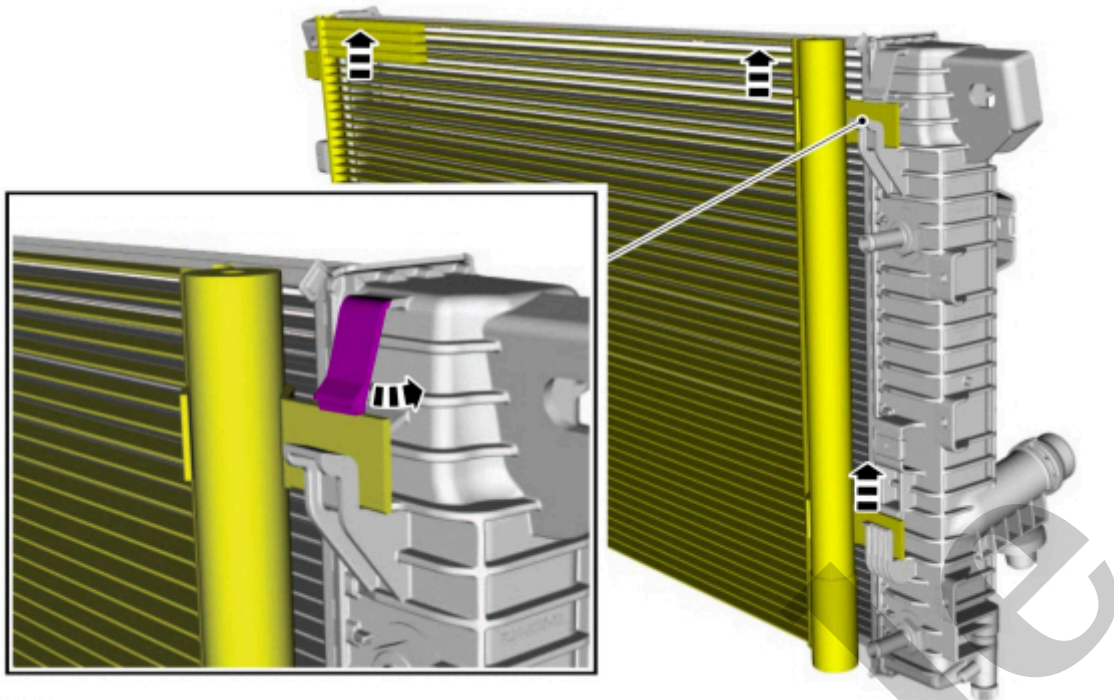


# Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

## 1999 FORD Mustang Convertible OEM Service and Repair Workshop Manual

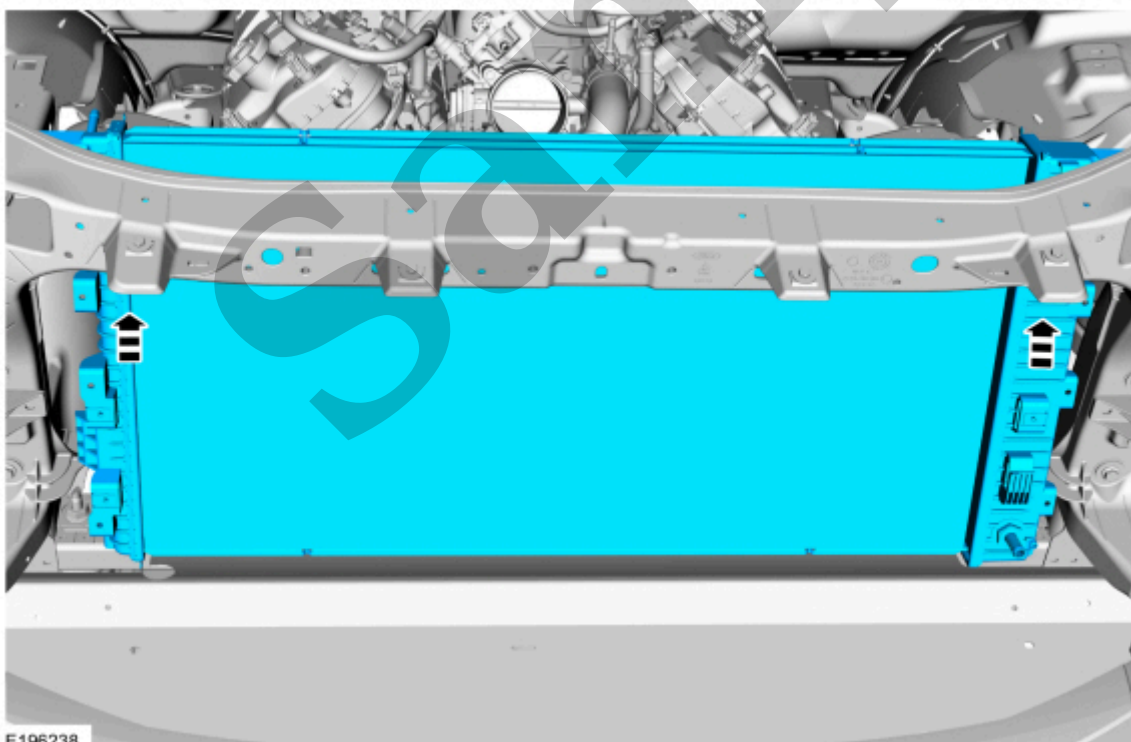
[Go to manual page](#)



E194912

[Click here to learn about symbols, color coding, and icons used in this manual.](#)

10. Remove the radiator.



E196238

[Click here to learn about symbols, color coding, and icons used in this manual.](#)

## Installation



## Thermostat - Vehicles With: Dual Generators

<b>303-03E Engine Cooling - 5.0L 32V Ti-VCT</b>	<b>2022 F-150</b>
<b>Removal and Installation</b>	<b>Procedure revision date: 10/2/2020</b>

### Thermostat - Vehicles With: Dual Generators

#### 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](#)(303-03E Engine Cooling - 5.0L 32V Ti-VCT, General Procedures).

2. Remove the air cleaner outlet pipe.

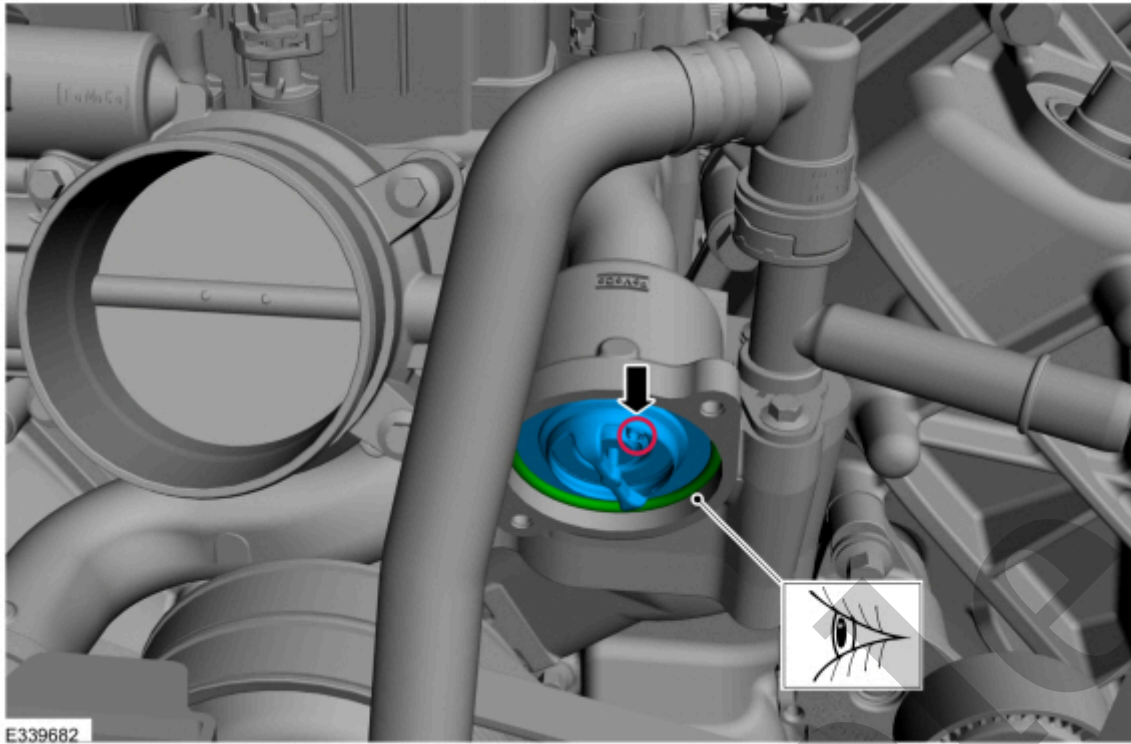
Refer to: [Air Cleaner Outlet Pipe](#)(303-12E Intake Air Distribution and Filtering - 5.0L 32V Ti-VCT, Removal and Installation).

3. **NOTICE**

Cover the accessory drive belts to prevent coolant contamination of the belts.

Completely cover the accessory drive belts with waterproof plastic.

4. **NOTE**



[Click here to learn about symbols, color coding, and icons used in this manual.](#)

## Installation

1. Install a new O-ring seal and lubricate it with clean engine coolant.

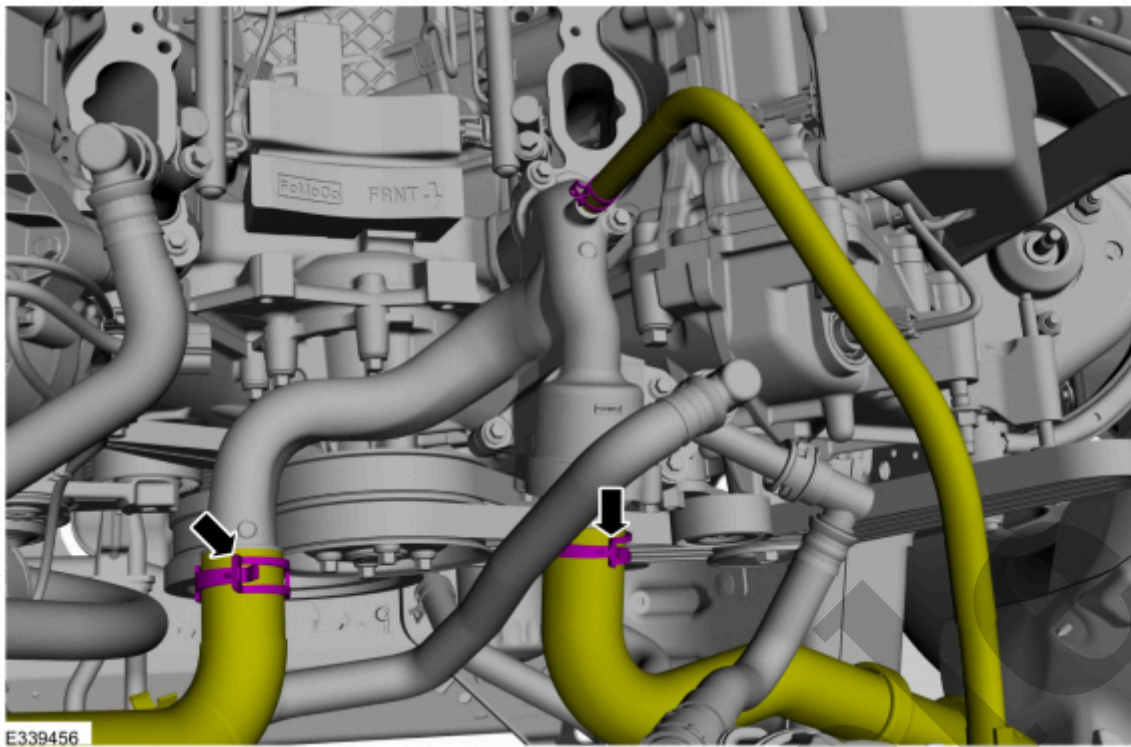
Refer to: [Specifications](#)(303-03E Engine Cooling - 5.0L 32V Ti-VCT, Specifications).

2. To install, reverse the removal procedure.

2. Fill and bleed the cooling system.

Refer to: [Engine Cooling System Draining, Vacuum Filling and Bleeding](#)(303-03E Engine Cooling - 5.0L 32V Ti-VCT, General Procedures).

Copyright © Ford Motor Company



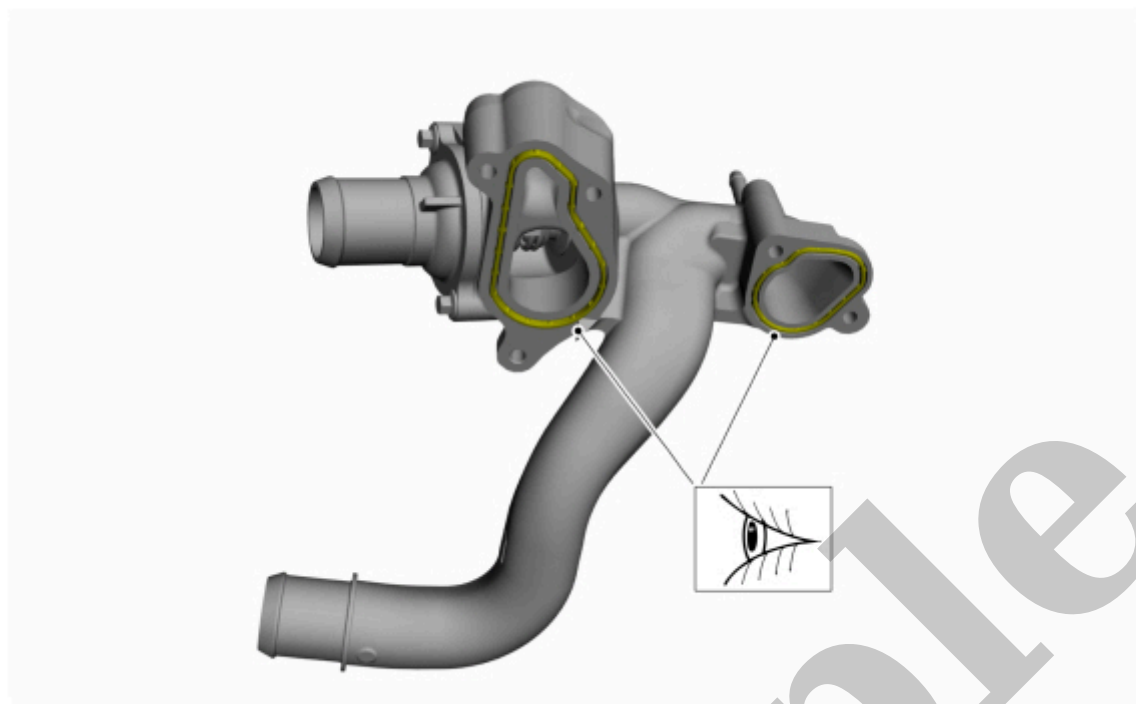
[Click here to learn about symbols, color coding, and icons used in this manual.](#)

5. Follow the directions to disconnect quick release coupling type 3.

Disconnect the coolant tubes.

Refer to: [Quick Release Coupling](#)(310-00E Fuel System - General Information - 5.0L 32V Ti-VCT, General Procedures).

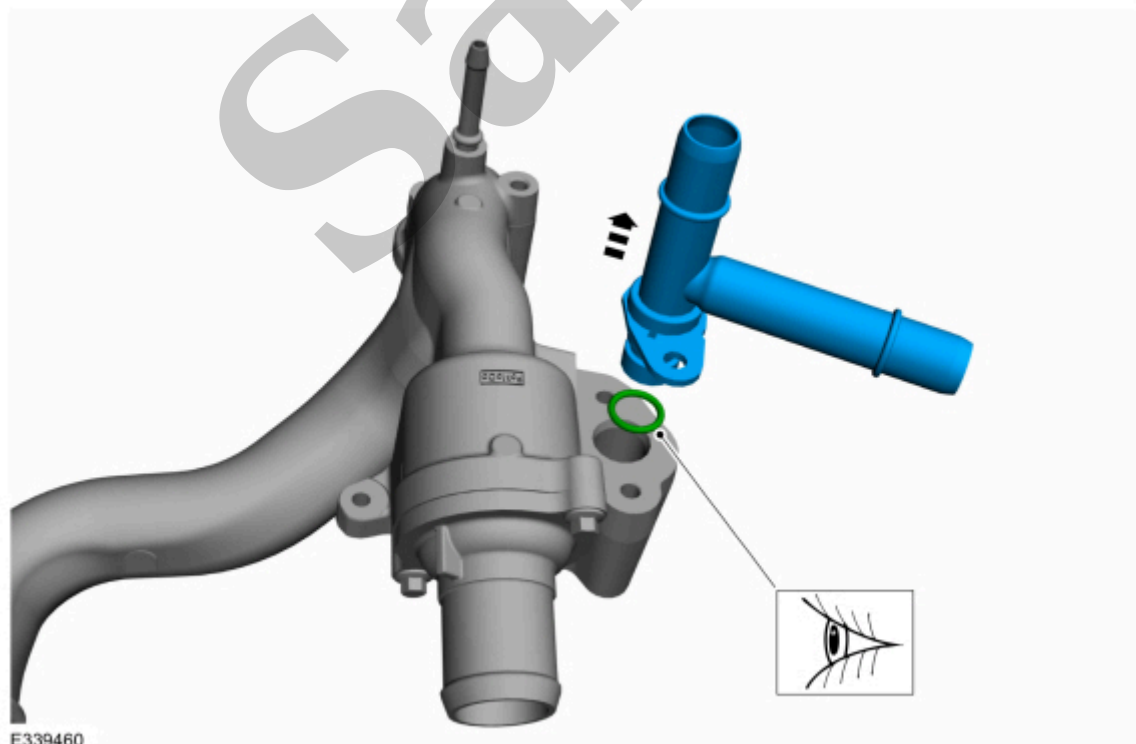
7. Inspect the thermostat housing gaskets and replace if necessary.



E339459

[Click here to learn about symbols, color coding, and icons used in this manual.](#)

- 8.
- Remove the heater outlet tube.
  - Inspect the O-ring seal and replace if necessary.



E339460



## Thermostat Housing

<b>303-03E Engine Cooling - 5.0L 32V Ti-VCT</b>	<b>2022 F-150</b>
<b>Removal and Installation</b>	<b>Procedure revision date: 10/2/2020</b>

### Thermostat Housing

#### 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](#)(303-03E Engine Cooling - 5.0L 32V Ti-VCT, General Procedures).

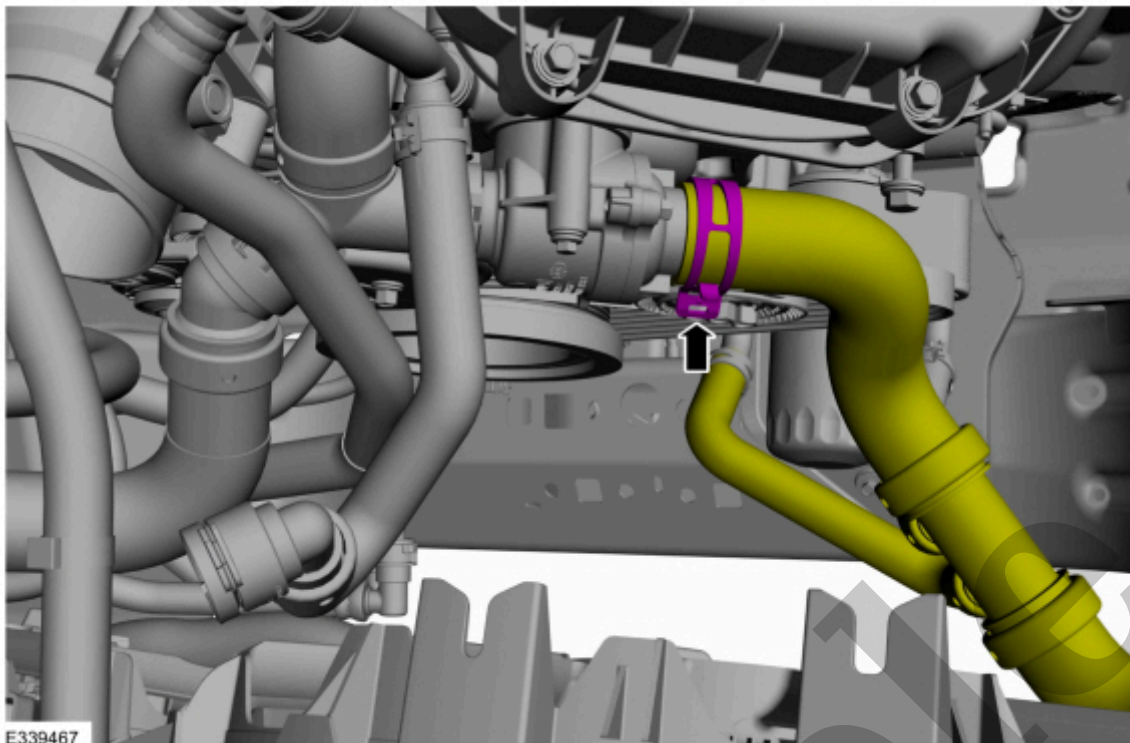
2. Remove the air cleaner outlet pipe.

Refer to: [Air Cleaner Outlet Pipe](#)(303-12E Intake Air Distribution and Filtering - 5.0L 32V Ti-VCT, Removal and Installation).

3. Remove the bolts and position the degas bottle aside.

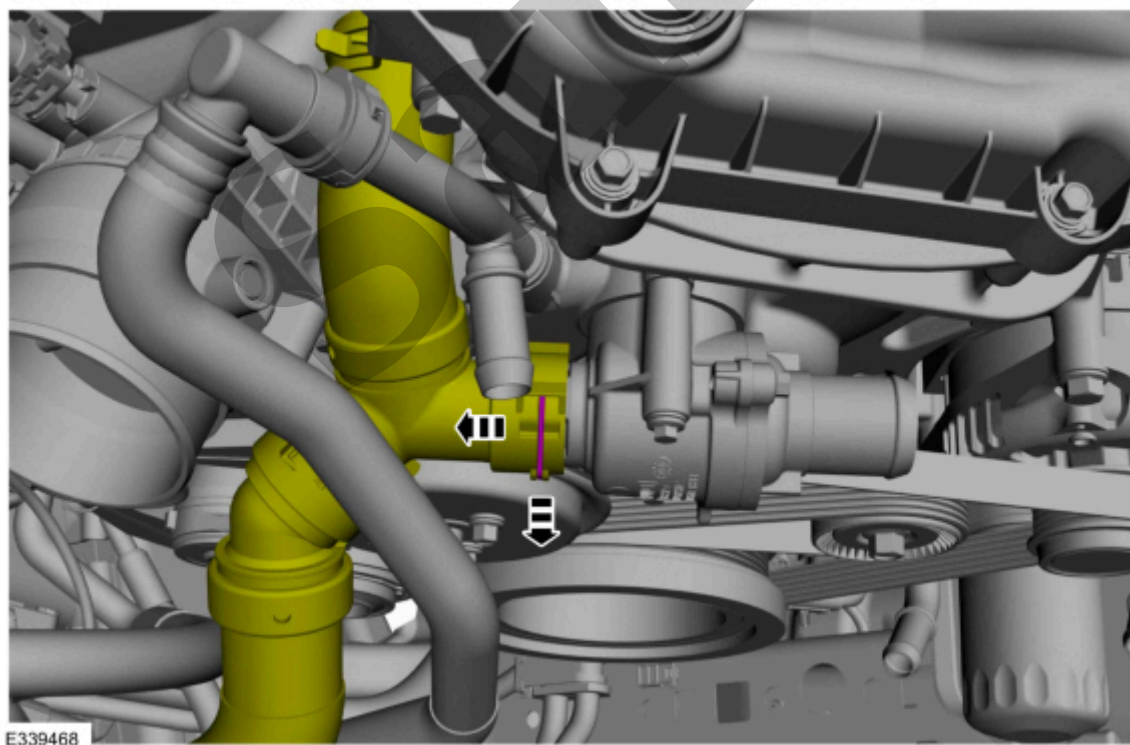
**Torque** : 62 lb.in (7 Nm)





[Click here to learn about symbols, color coding, and icons used in this manual.](#)

6. Pull the upper radiator hose T-connector spring clip up until the end of the clip is in the detent on the quick connect coupling and disconnect the upper radiator hose.



[Click here to learn about symbols, color coding, and icons used in this manual.](#)



[Click here to learn about symbols, color coding, and icons used in this manual.](#)

## Installation

1.
  - Install a new thermostat housing gasket.
  - To install, reverse the removal procedure.
2. Fill and bleed the cooling system.

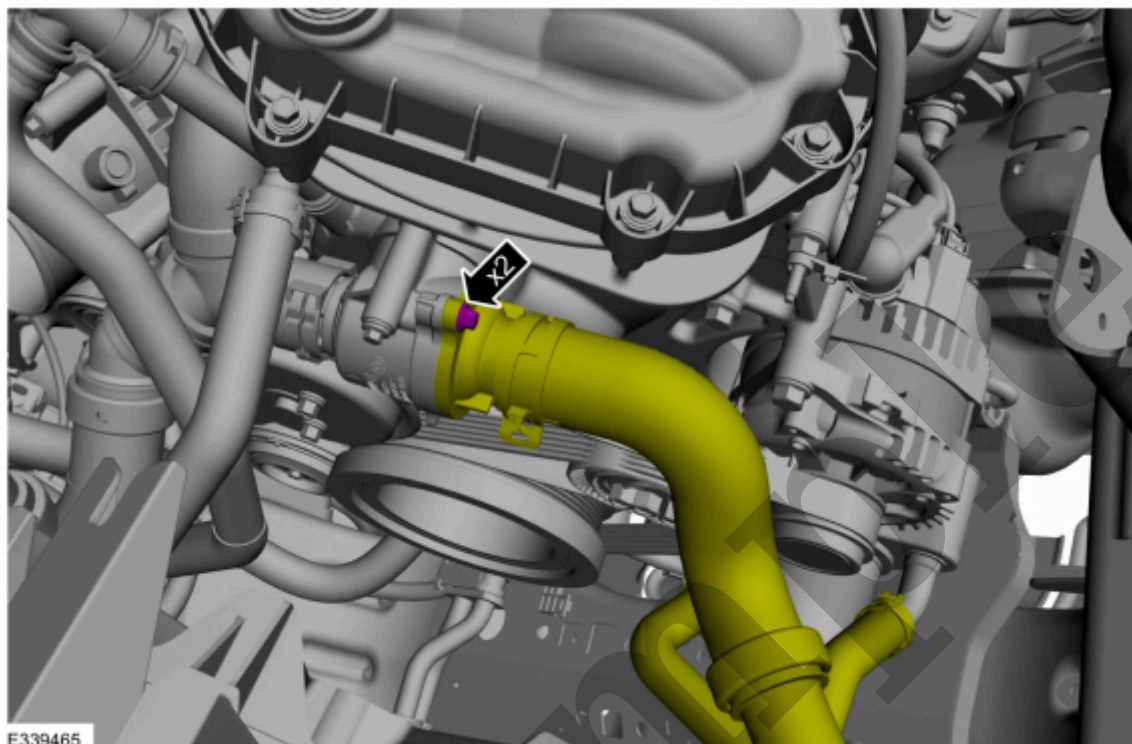
Refer to: [Engine Cooling System Draining, Vacuum Filling and Bleeding](#)(303-03E Engine Cooling - 5.0L 32V Ti-VCT, General Procedures).

Copyright © Ford Motor Company

During installation, make sure the coolant inlet connection is fully seated on the thermostat housing before tightening the bolts.

Remove the bolts and detach the coolant inlet connector.

**Torque** : 89 lb.in (10 Nm)



[Click here to learn about symbols, color coding, and icons used in this manual.](#)

5. **NOTE**

During installation verify the thermostat vent hole is at the 12 o'clock position.

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