

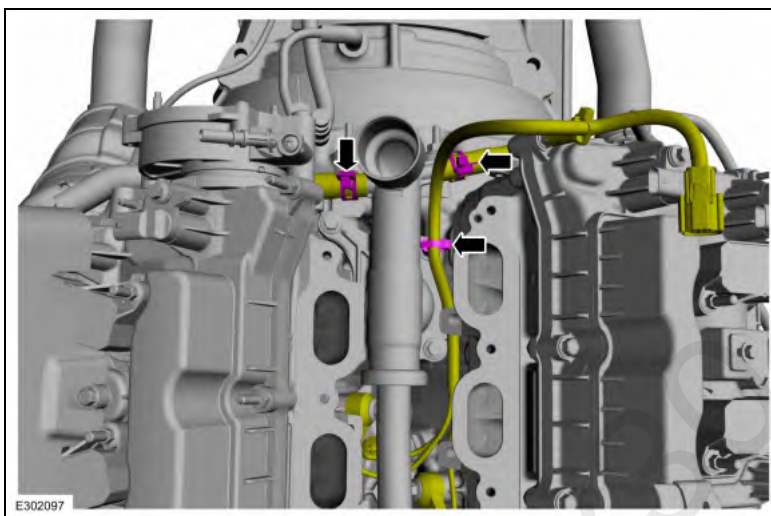
Coolant Outlet Connector

Special Tool(s) / General Equipment

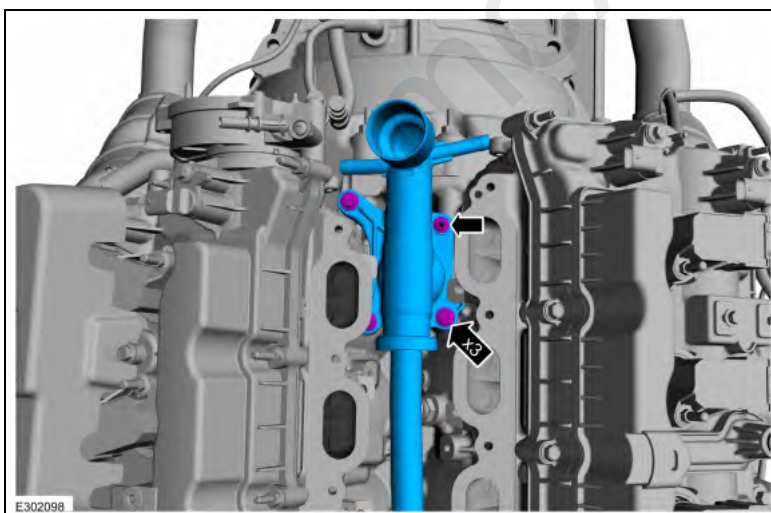
Hose Clamp Remover/Installer

Removal

1. Remove the direct injection fuel rail LH.
Refer to: Direct Injection Fuel Rail LH (303-04B Fuel Charging and Controls - 3.0L EcoBoost, Removal and Installation).
2. Remove the direct injection fuel rail RH.
Refer to: Direct Injection Fuel Rail RH (303-04B Fuel Charging and Controls - 3.0L EcoBoost, Removal and Installation).
3. Remove the coolant pump.
Refer to: Coolant Pump (303-03B Engine Cooling - 3.0L EcoBoost, Removal and Installation).
4. Release the clamps and disconnect the coolant hoses. Remove the knock sensor harness retainer from the fastener stud.
Use the General Equipment: Hose Clamp Remover/Installer

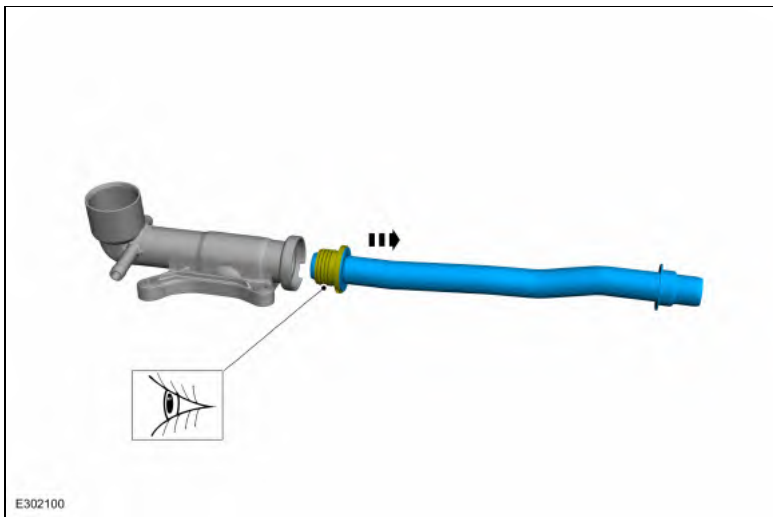


5. Remove the fasteners and the coolant outlet connector and inlet pipe assembly.

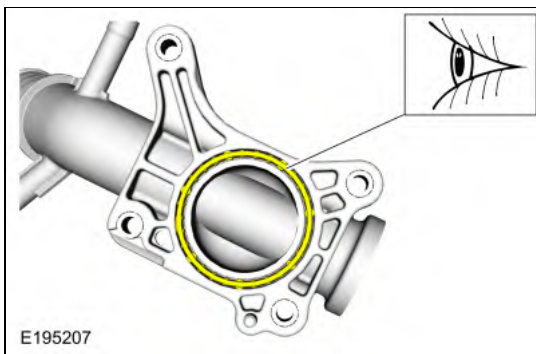


6. **NOTE:** This step is only necessary when installing a new component.

Separate the coolant inlet pipe from the coolant outlet connector. Inspect the grommet and replace if necessary.

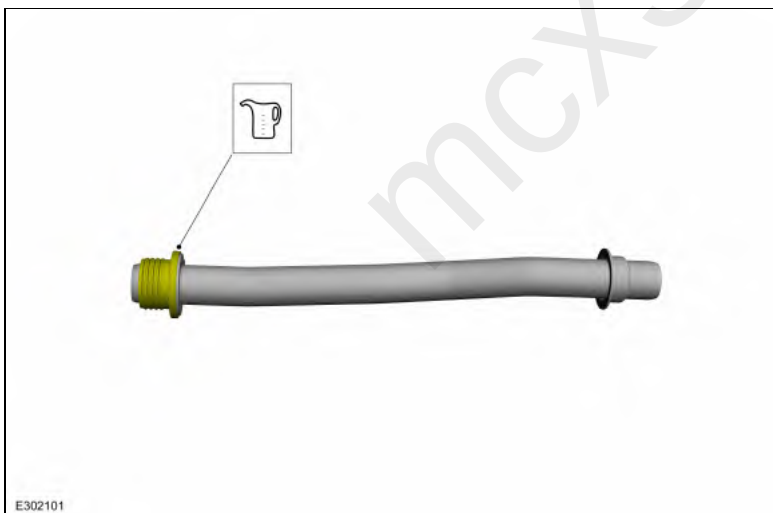


7. Inspect the coolant outlet connector gasket and replace if necessary.



Installation

1.
 - Lubricate the inside and outside diameter of the grommet with clean engine coolant. Refer to: Specifications (303-03B Engine Cooling - 3.0L EcoBoost, Specifications).
 - Install the grommet.



2. **NOTE:** Verify the locating tab is aligned to the coolant outlet connector.

Connect the coolant inlet pipe.