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1993 FORD Sierra 5 Doors OEM Service and Repair Workshop Manual

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Cabin Heater Coolant Pump - 3.5L EcoBoost (BM)

<i>412-00 Climate Control System - General Information</i>	<i>2022 F-150</i>
<i>Removal and Installation</i>	<i>Procedure revision date: 10/5/2020</i>

Cabin Heater Coolant Pump - 3.5L EcoBoost (BM)

Removal

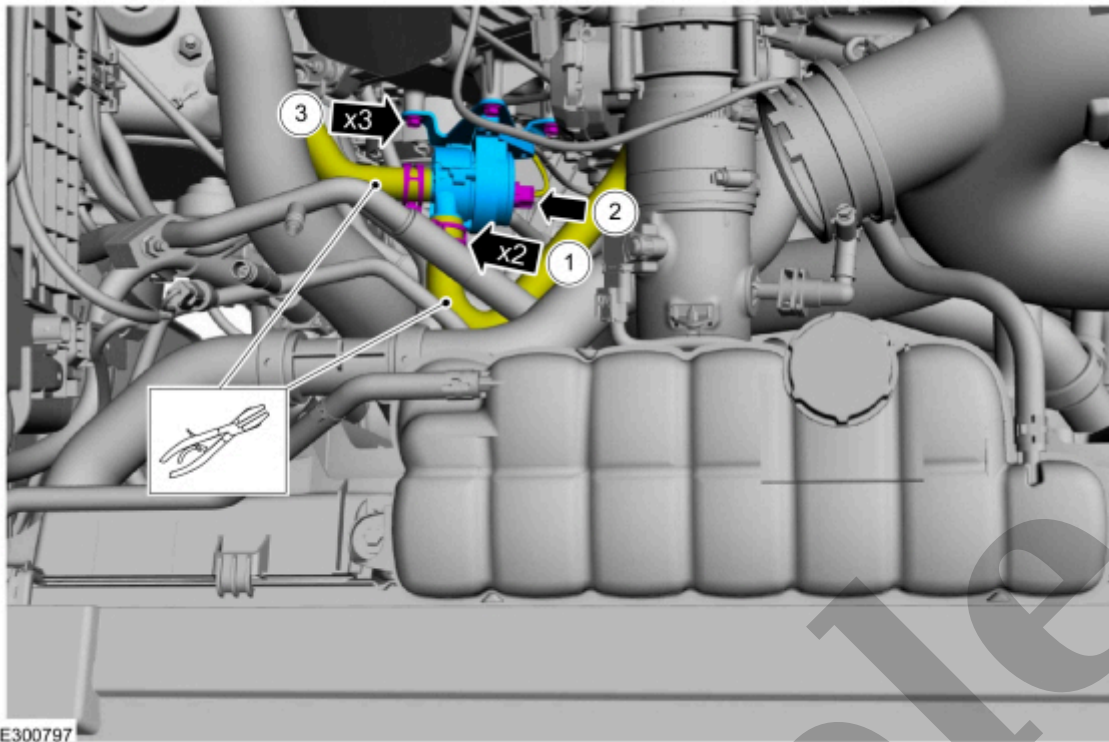
NOTE

Removal steps in this procedure may contain installation details.

1. WARNING

Always allow the engine to cool before opening the cooling system. Do not unscrew the coolant pressure relief cap when the engine is operating or the cooling system is hot. The cooling system is under pressure; steam and hot liquid can come out forcefully when the cap is loosened slightly. Failure to follow these instructions may result in serious personal injury.

Release the cooling system pressure by slowly turning the pressure relief cap between 2 and 3 turns and remove the pressure relief cap.

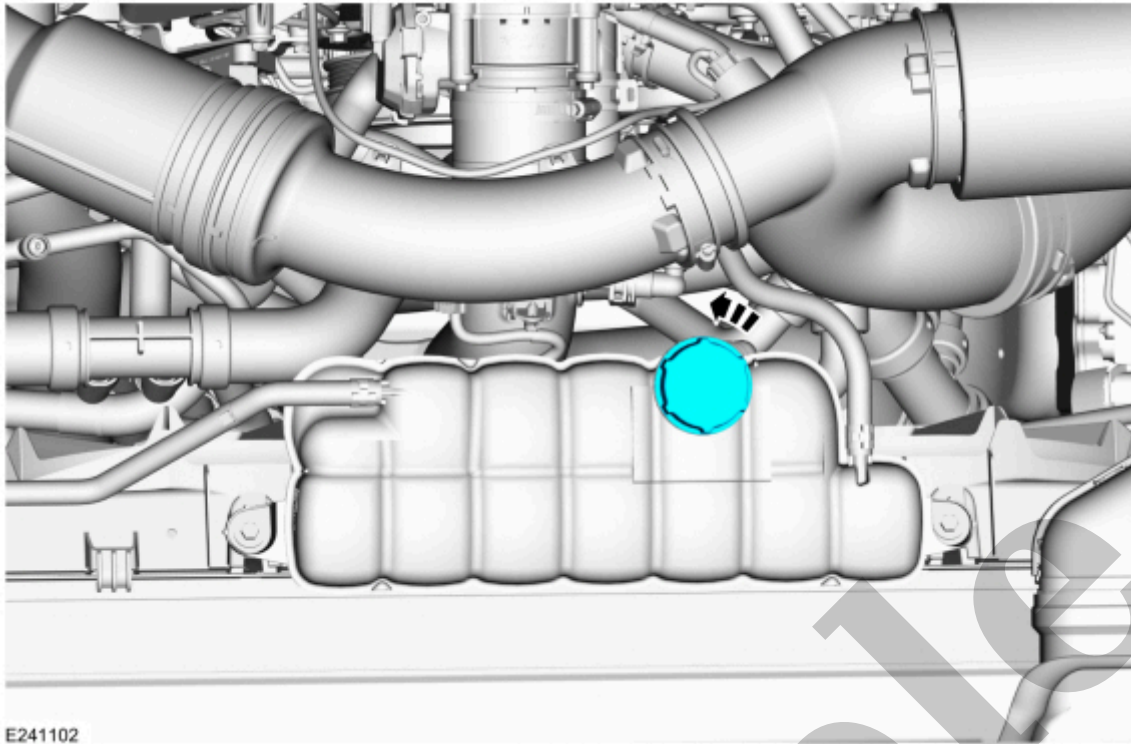


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Installation

1. To install, reverse the removal procedure.
2. Fill and bleed the cooling system. Refer to the appropriate procedure in Group 303.

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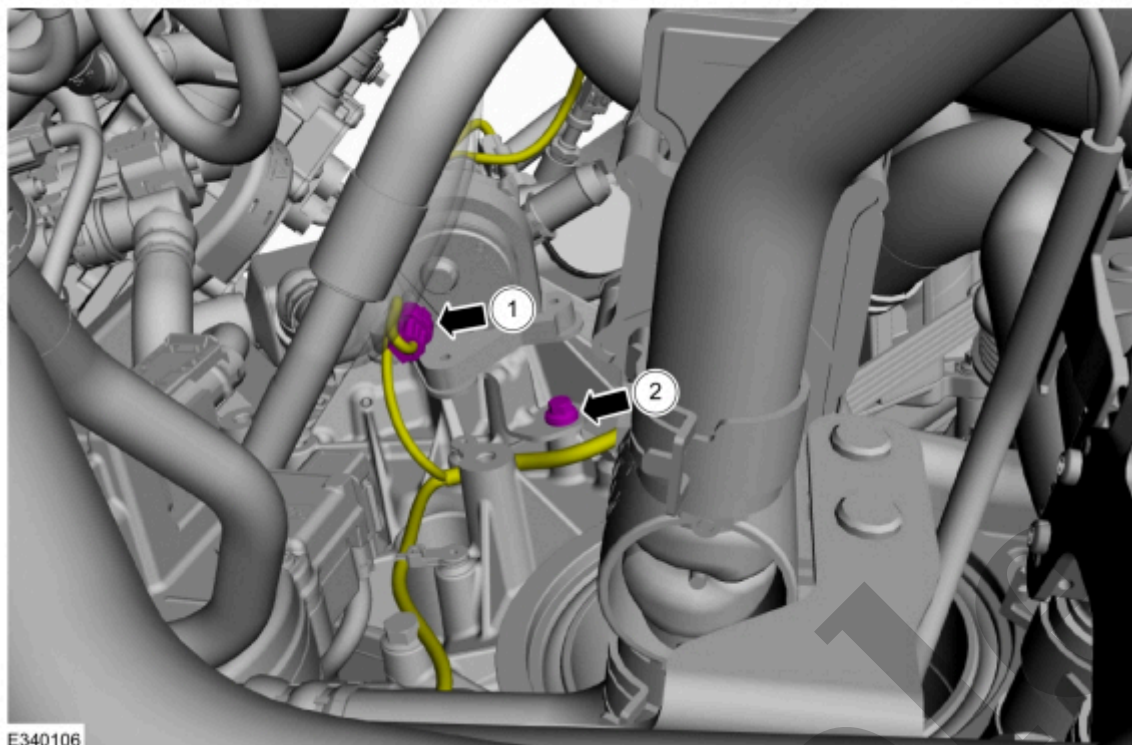
2. Remove the air cleaner outlet pipe RH (right-hand) .

Refer to: [Air Cleaner Outlet Pipe RH](#)(303-12D Intake Air Distribution and Filtering - 3.5L V6 PowerBoost (CN), Removal and Installation).

3. Release the hose clamps and disconnect inlet and outlet coolant hoses.

Use the General Equipment: Locking Pliers

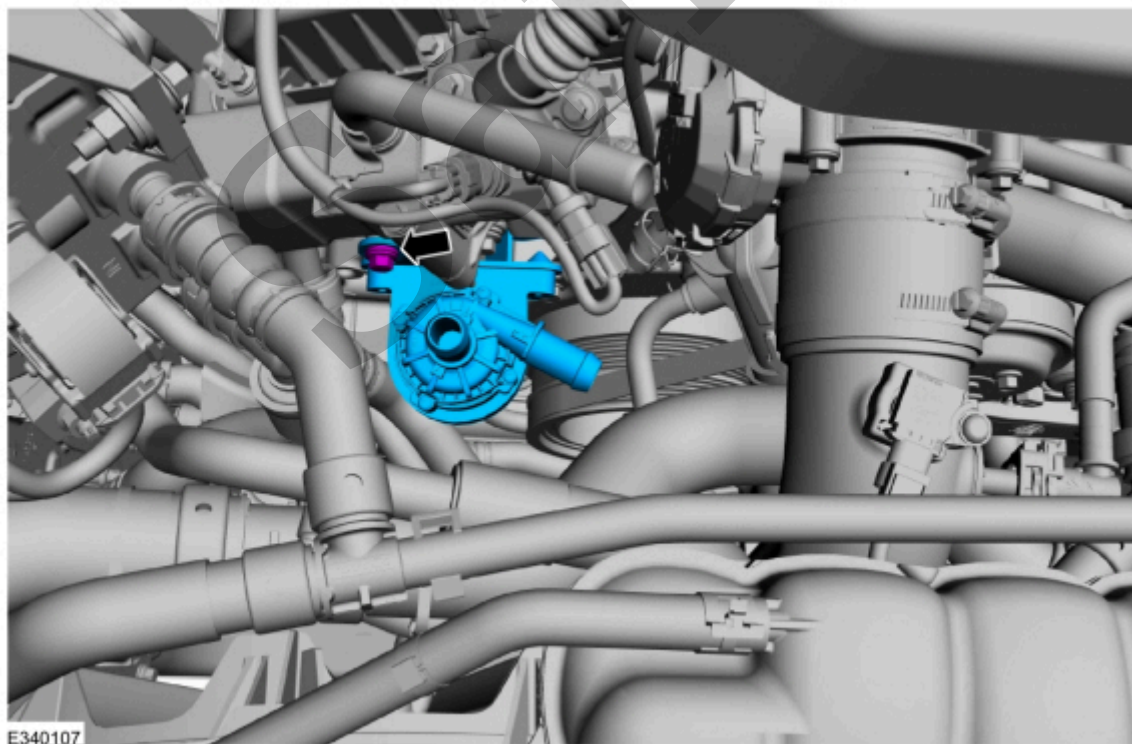
Use the General Equipment: Hose Clamp Remover/Installer



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6. Remove the bolt and the cabin heater coolant pump.

Torque : 62 lb.in (7 Nm)



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Cabin Heater Coolant Pump - Electric

412-00 Climate Control System - General Information	2022 F-150
Removal and Installation	Procedure revision date: 04/13/2022

Cabin Heater Coolant Pump - Electric

Removal

NOTE

Removal steps in this procedure may contain installation details.

1. Remove the RHF (right-hand front) fender splash shield.

Refer to: [Fender Splash Shield](#) (501-02 Front End Body Panels, Removal and Installation).

2. **NOTE**

Be prepared to collect escaping fluid.

1. Disconnect the electrical connector.
2. Clamp the coolant hoses, release the clamps and disconnect the inlet and outlet coolant hoses.
Use the General Equipment: Fluid Container
Use the General Equipment: Hose Clamp(s)
Use the General Equipment: Hose Clamp Remover/Installer
3. Remove the retainer and the cabin heater coolant pump.

Torque : 18 lb.ft (25 Nm)



Center Registers - Vehicles With: 15.5 Inch Center Display Screen

412-00 Climate Control System - General Information	2022 F-150
Removal and Installation	Procedure revision date: 02/2/2022

Center Registers - Vehicles With: 15.5 Inch Center Display Screen

Removal

NOTE

Removal steps in this procedure may contain installation details.

1. Remove the center display screen.

Refer to: [Center Display Screen - Vehicles With: 15.5 Inch Center Display Screen](#)(415-00 Information and Entertainment System - General Information, Removal and Installation).

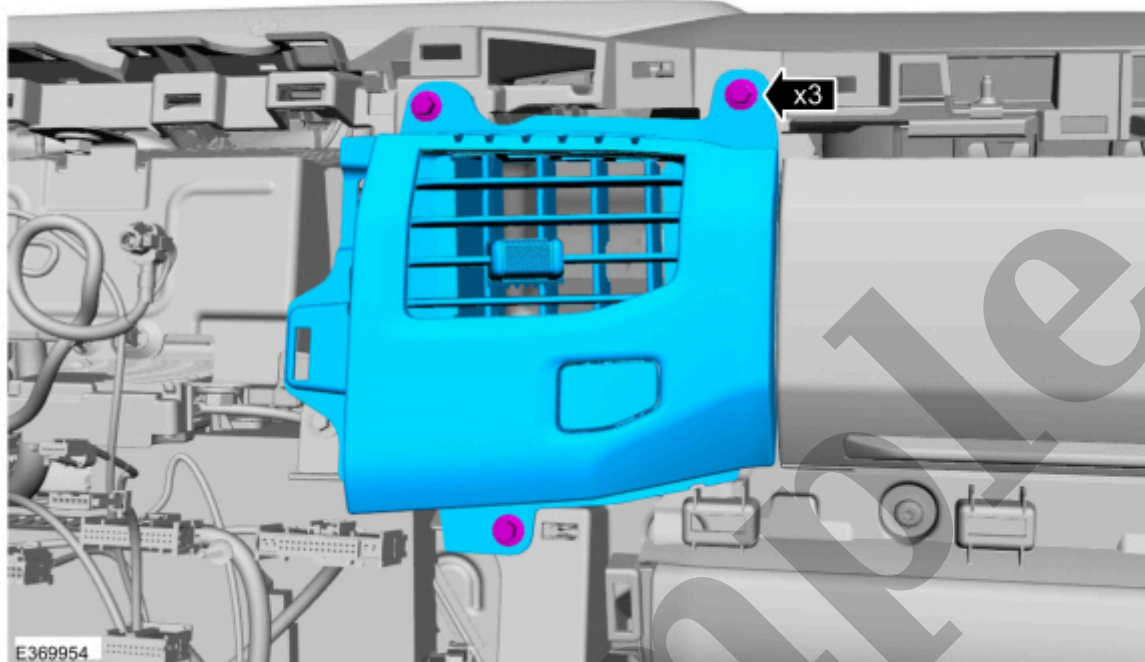
2. Release the clips, separate the trim pin, and remove the RH (right-hand) instrument panel trim panel.

Use the General Equipment: Interior Trim Remover

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

4. Remove the bolts and the RH (right-hand) center register.

Torque : 22 lb.in (2.5 Nm)



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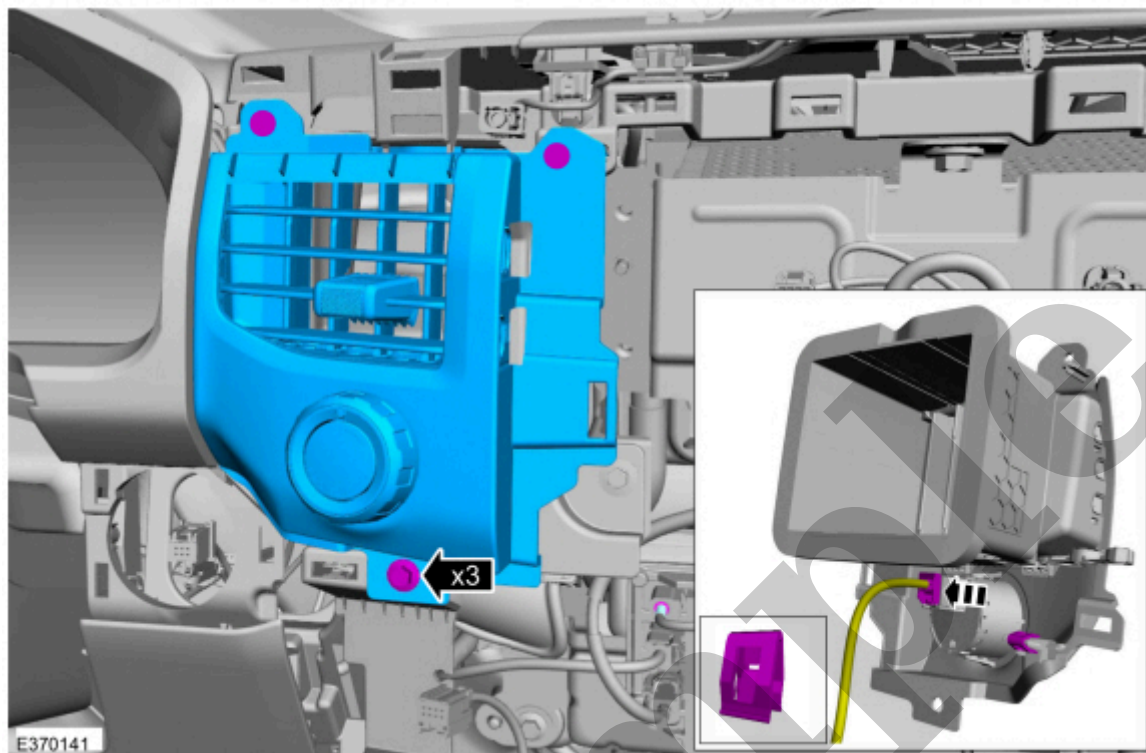
5. Release the clips, position the start/stop switch bezel aside.

- Disconnect the electrical connector and remove the start/stop switch bezel.

7. Remove the bolts and the LH (left-hand) center register.

- Disconnect the electrical connector.

Torque : 22 lb.in (2.5 Nm)



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Installation

1. To install, reverse the removal procedure.

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Installation

1. To install, reverse the removal procedure.

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