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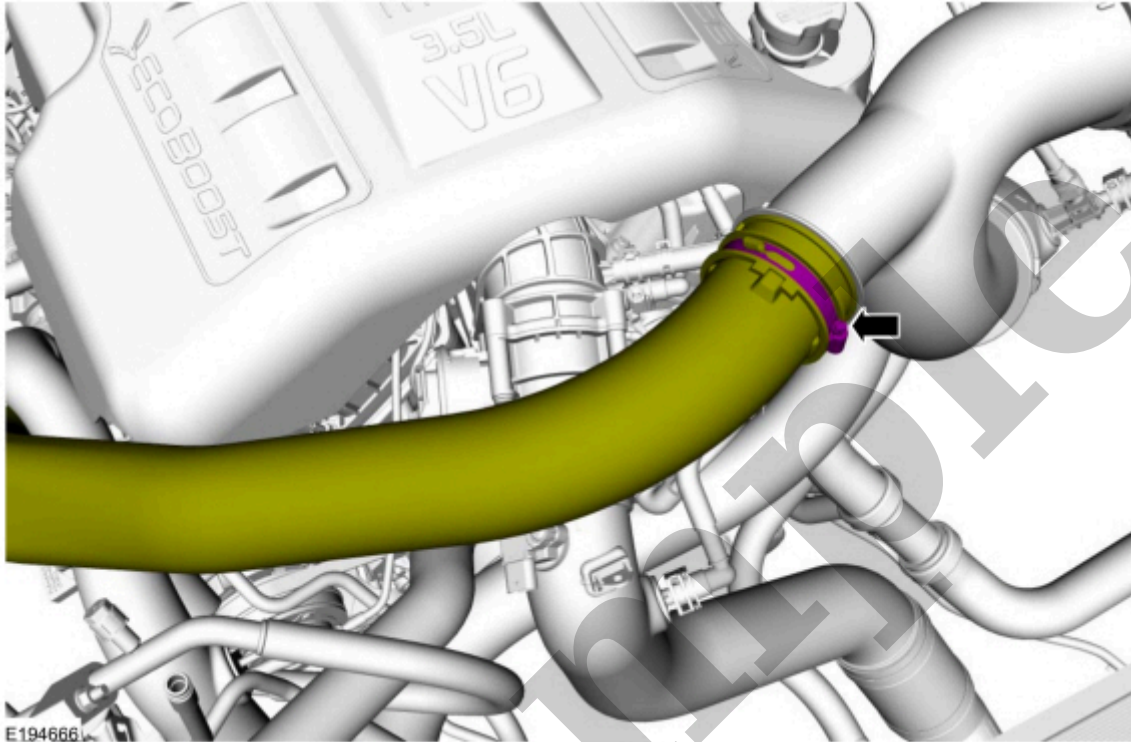
1993 FORD Sierra Sedan OEM Service and Repair Workshop Manual

[Go to manual page](#)

The turbocharger compressor vanes can be damaged by even the smallest particles. When removing any turbocharger or engine air intake system component, ensure that no debris enters the system. Failure to do so may result in damage to the turbocharger.

Loosen the clamp and position the air cleaner outlet pipe RH (right-hand) aside.

Torque : 44 lb.in (5 Nm)

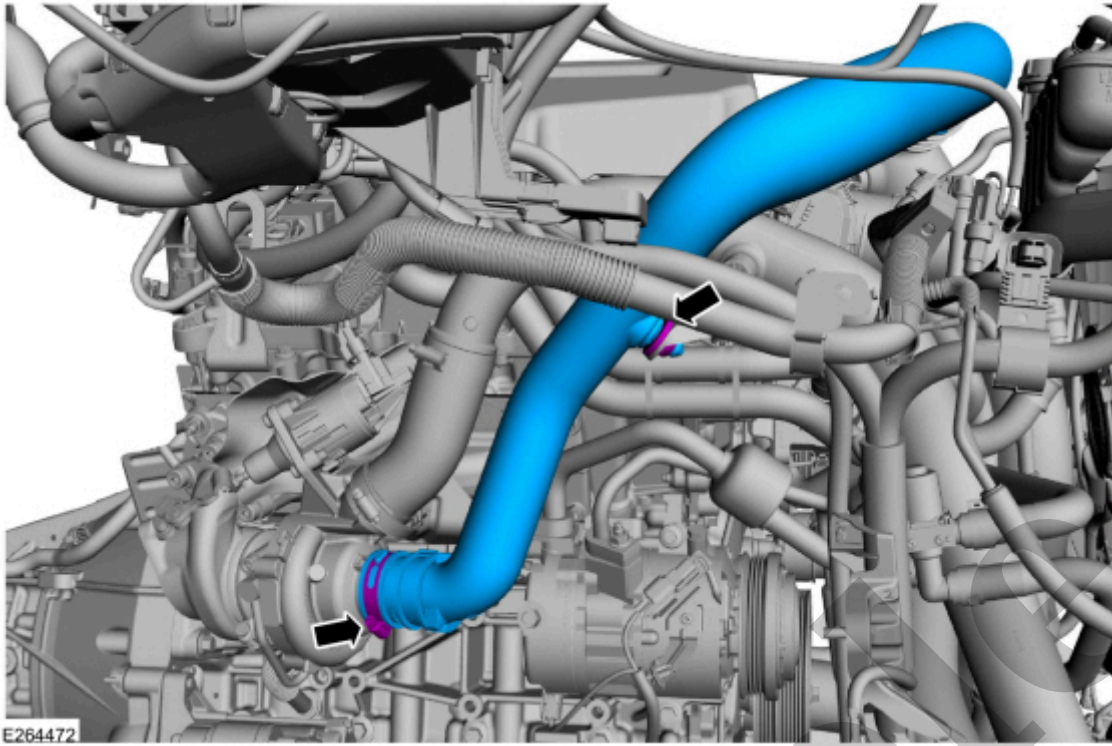


[Click here to learn about symbols, color coding, and icons used in this manual.](#)

5. Disconnect the battery positive cable.

Refer to: [Battery Disconnect and Connect](#)(414-01 Battery, Mounting and Cables, General Procedures).

6. Disconnect the hose.

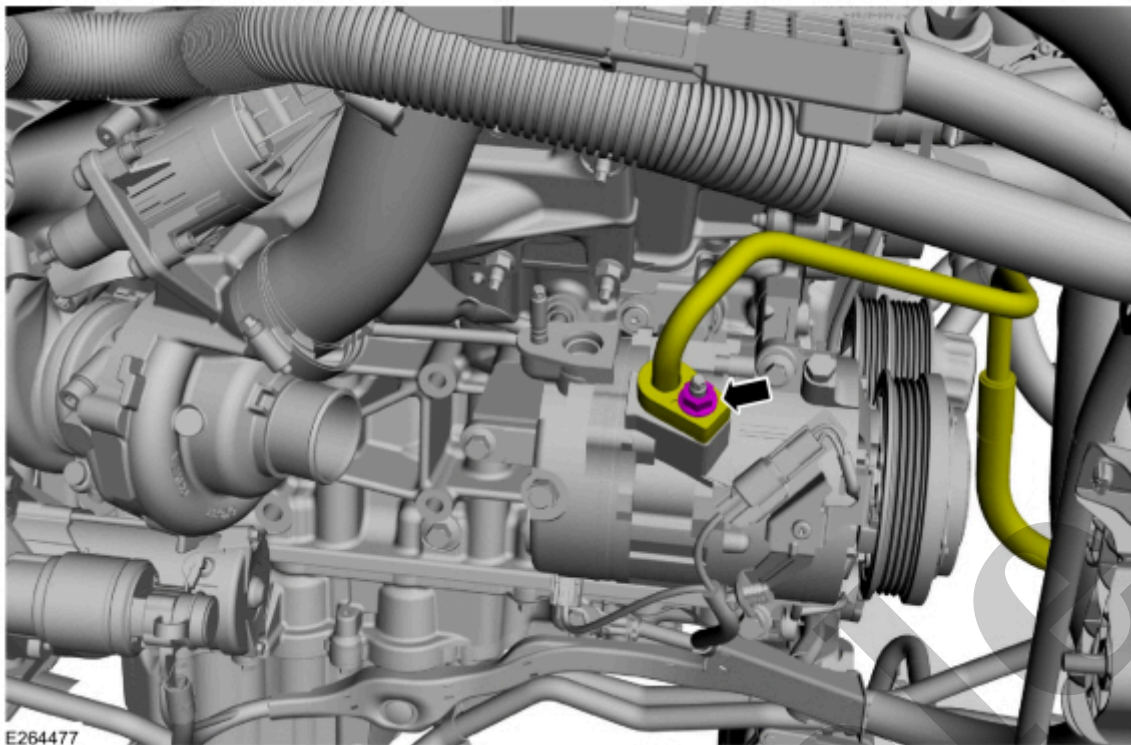


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8. Remove the A/C (air conditioning) compressor inlet line nut and disconnect the fitting.

- Make sure to cover any open ports to prevent debris from entering the system.

Torque : 133 lb.in (15 Nm)

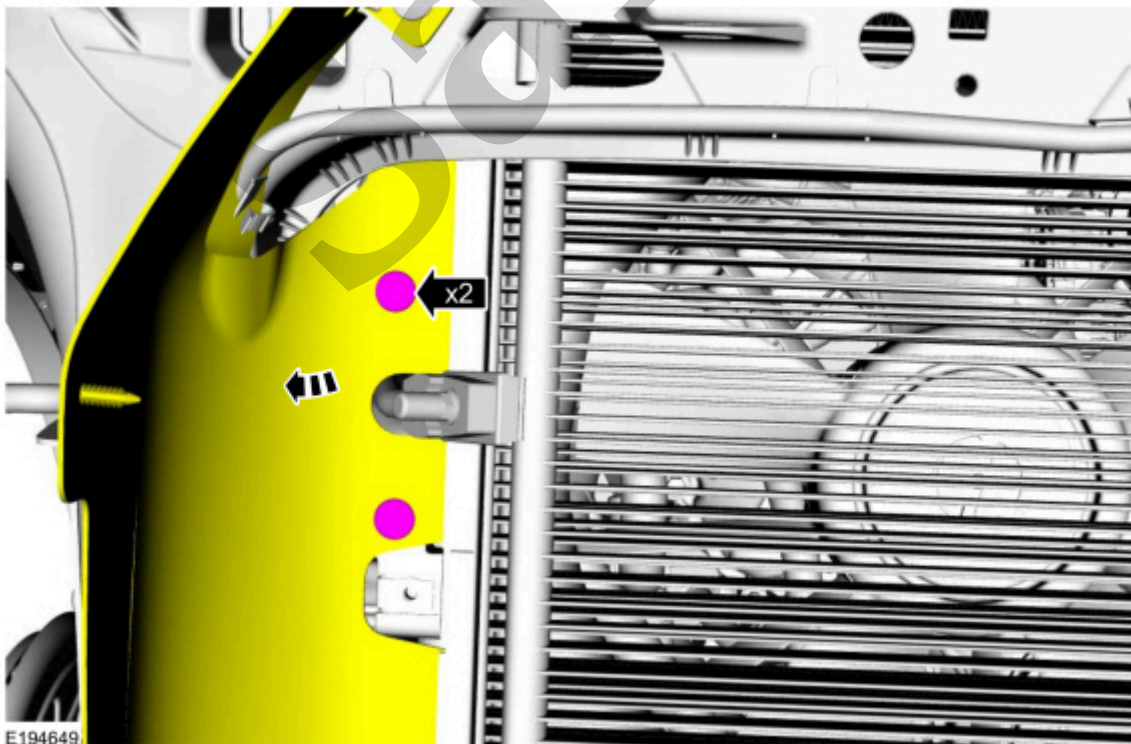


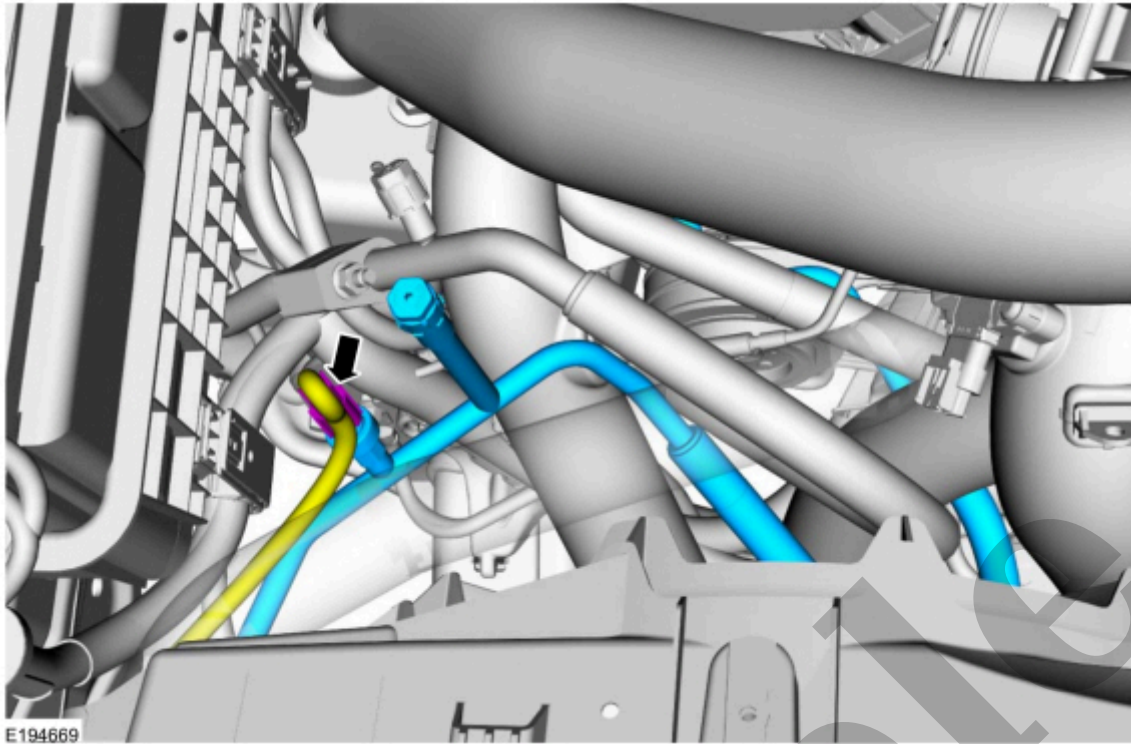
[Click here to learn about symbols, color coding, and icons used in this manual.](#)

10. Remove the radiator grille.

Refer to: [Radiator Grille](#)(501-08 Exterior Trim and Ornamentation, Removal and Installation).

11. Remove the retainers and position the RH (right-hand) splash shield aside.





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

Installation

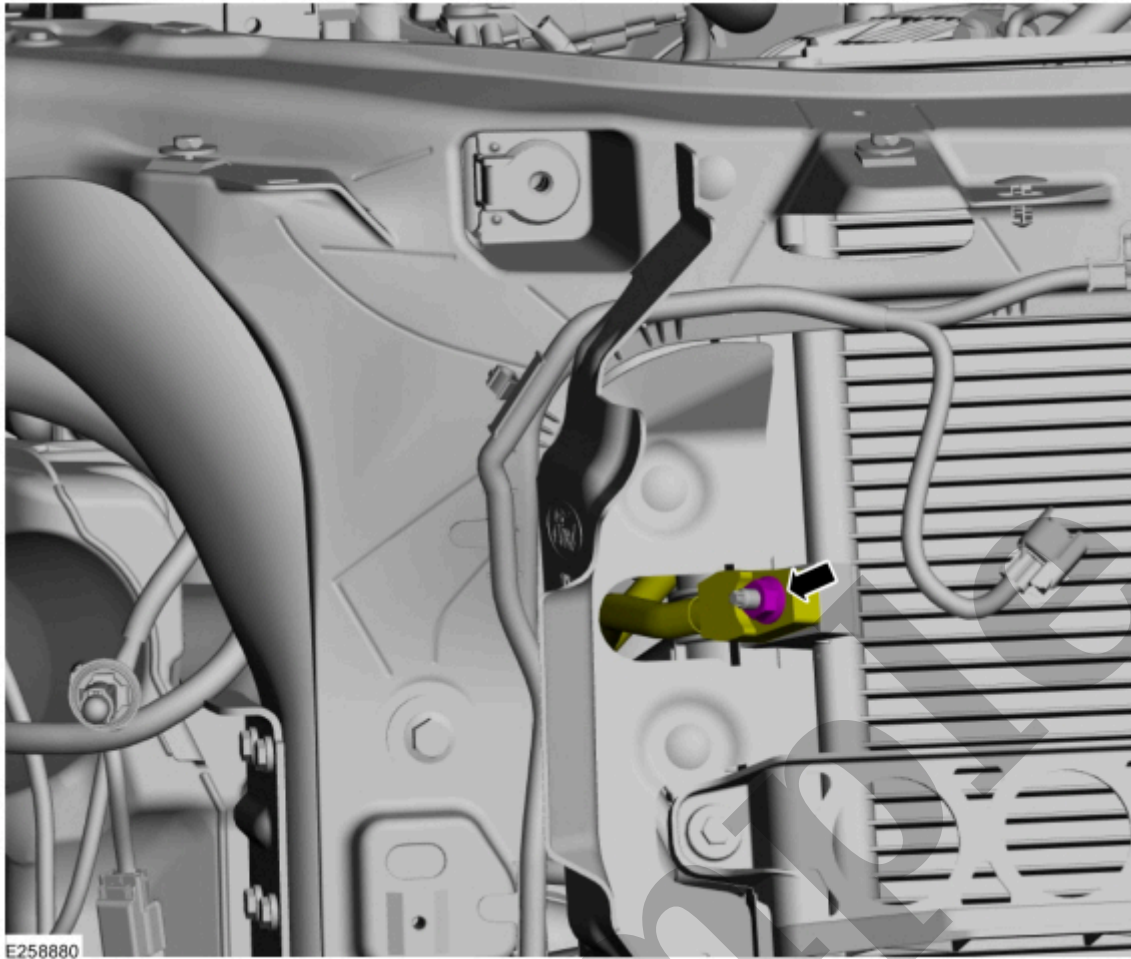
1. To install, reverse the removal procedure.

2. NOTICE

Only use the specified material to lubricate the seals.

Install and lubricate new O-ring seals. Refer to the appropriate Specifications in Group 412.

3. Lubricate the refrigerant system with the correct amount of clean PAG oil. Refer to the appropriate Refrigerant Oil Adding procedure in Group 412.



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

4. Remove the following items:

- Remove the battery tray.

Refer to: [Battery Tray](#)(414-01 Battery, Mounting and Cables, Removal and Installation).

- Remove the A/C (air conditioning) compressor inlet line.

Refer to: [Air Conditioning \(A/C\) Compressor Inlet Line - 3.5L EcoBoost \(BM\)](#)(412-00 Climate Control System - General Information, Removal and Installation).

5. 1. Remove the A/C (air conditioning) compressor outlet line nut and disconnect the fitting.

Torque : 133 lb.in (15 Nm)

2. Disconnect the A/C (air conditioning) pressure transducer electrical connector.

3. Remove the support bracket retainer , and remove the A/C (air conditioning) compressor outlet line.

- Make sure to cover any open ports to prevent debris from entering the system.

Air Conditioning (A/C) Compressor Outlet Line - 3.5L V6 PowerBoost (CN)

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

Air Conditioning (A/C) Compressor Outlet Line - 3.5L V6 PowerBoost (CN)

Removal

NOTICE

During the removal or installation of components, cap, tape or otherwise appropriately protect all openings and tubes/fittings to prevent the ingress of dirt or other contamination. Remove caps, tape and other protective materials prior to installation.

NOTE

Removal steps in this procedure may contain installation details.

1. Recover the refrigerant. Refer to the appropriate Recovery procedure in Group 412.

2. Remove the battery tray.

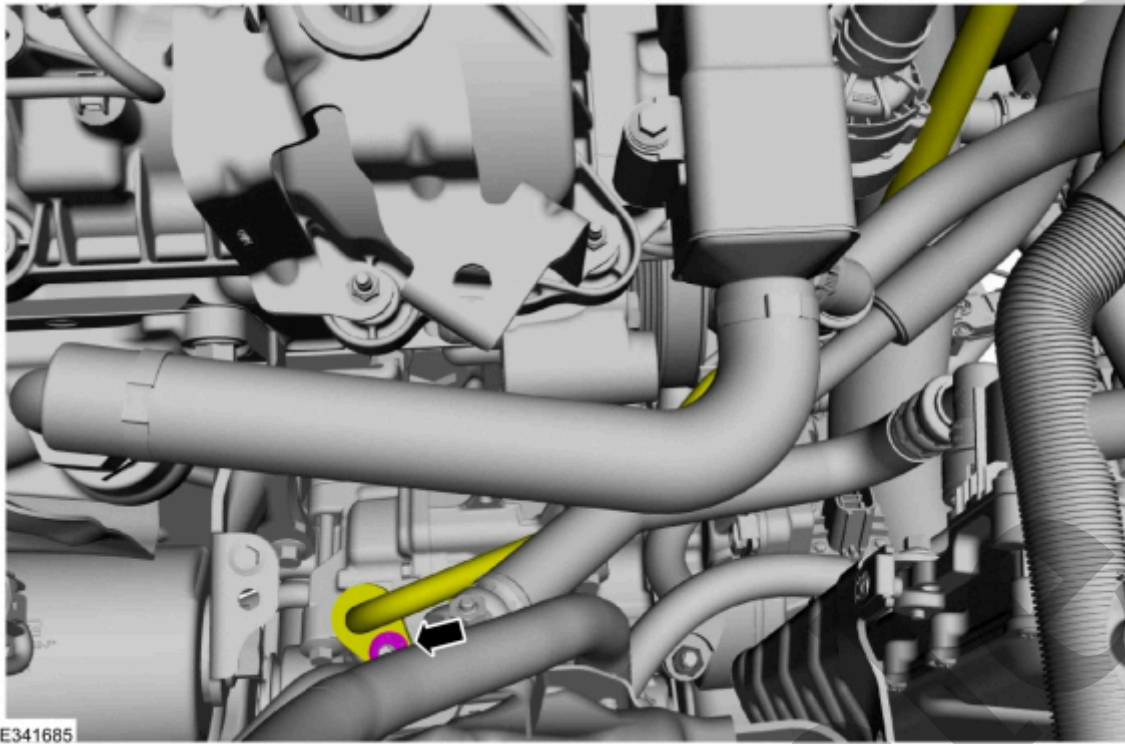
Refer to: [Battery Tray](#)(414-01 Battery, Mounting and Cables, Removal and Installation).

3. Remove the inveter system controller.

Refer to: [Inverter System Controller \[SOBDMC\]](#)(303-14F Electric Powertrain Control - 3.5L V6 PowerBoost (CN), Removal and Installation).

4. 1. Remove the ground wire retainer.

Torque : 80 lb.in (9 Nm)



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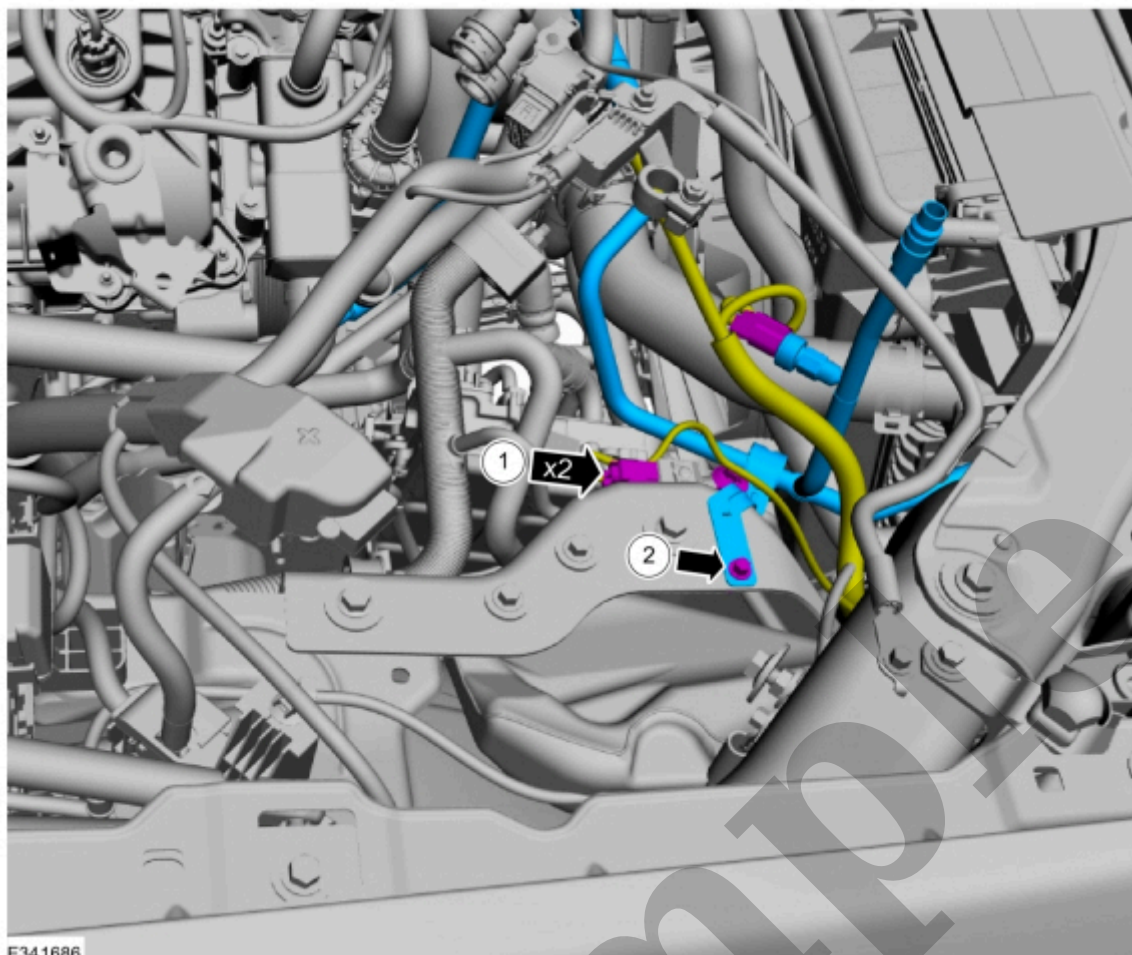
7. Remove the radiator grille.

Refer to: [Radiator Grille](#)(501-08 Exterior Trim and Ornamentation, Removal and Installation).

8. Remove the A/C (air conditioning) compressor outlet line nut and disconnect the fitting.

- Make sure to cover any open ports to prevent debris from entering the system.

Torque : 133 lb.in (15 Nm)



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

Installation

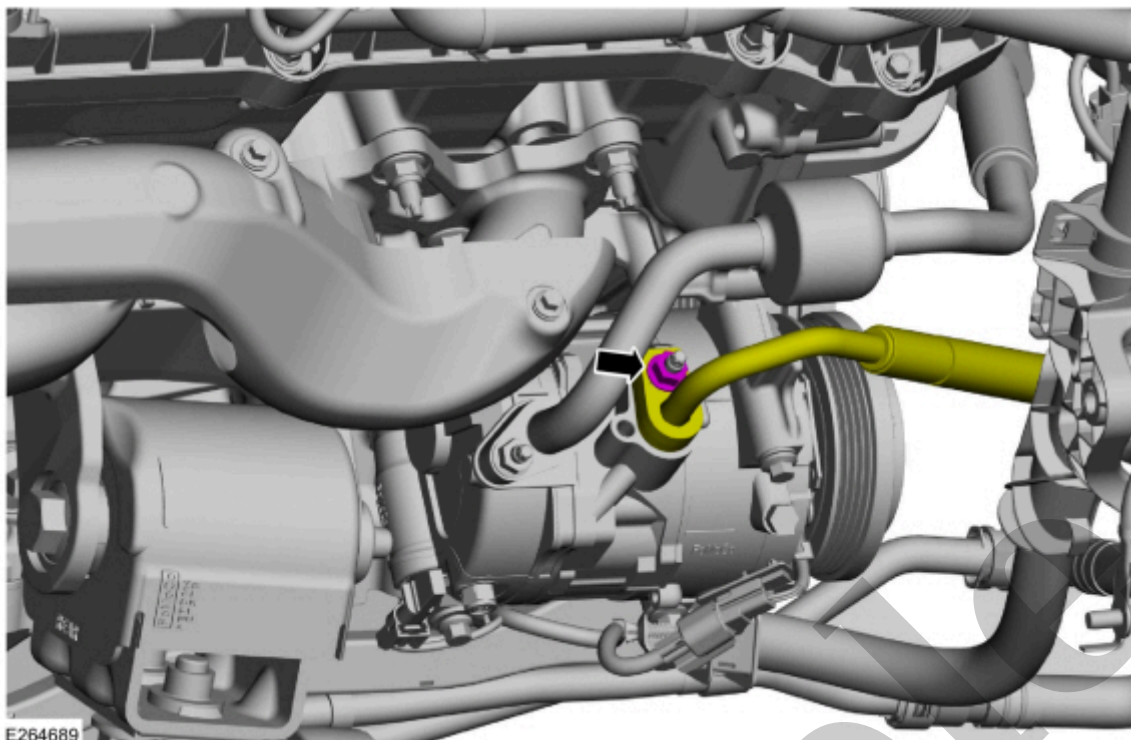
1. To install, reverse the removal procedure.

2. NOTICE

Only use the specified material to lubricate the seals.

Install and lubricate new O-ring seals. Refer to the appropriate Specifications in Group 412.

3. Lubricate the refrigerant system with the correct amount of clean POE oil. Refer to the appropriate Refrigerant Oil Adding procedure in Group 412.



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

4. Remove the radiator grille.

Refer to: [Radiator Grille](#)(501-08 Exterior Trim and Ornamentation, Removal and Installation).

5. Remove the A/C (air conditioning) compressor outlet line nut and disconnect the fitting.

- Make sure to cover any open ports to prevent debris from entering the system.

Torque : 133 lb.in (15 Nm)