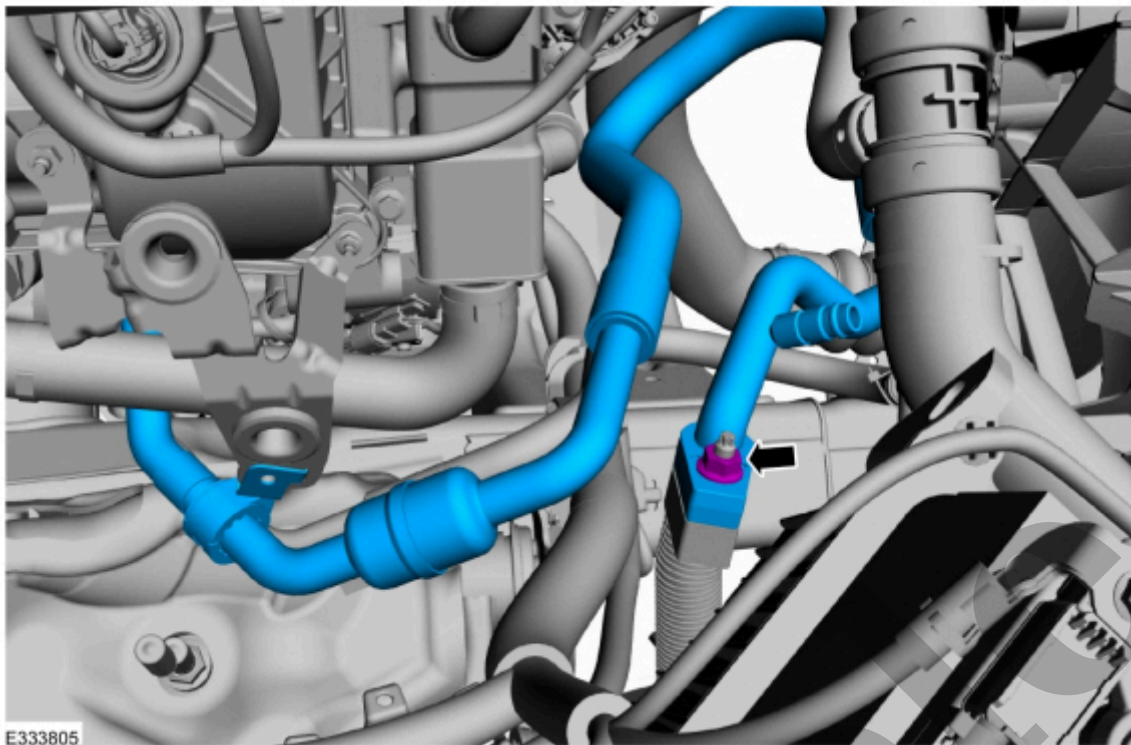


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FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2003 FORD SportKa OEM Service and Repair Workshop Manual

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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.

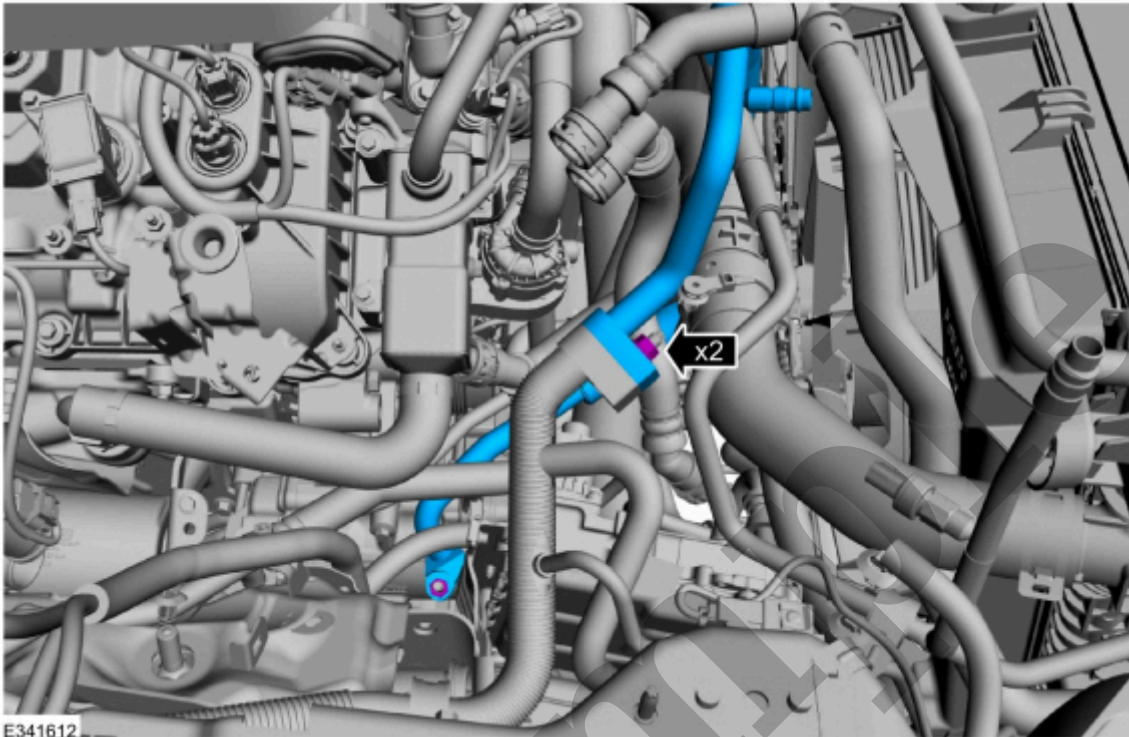
3. Lubricate the refrigerant system with the correct amount of clean PAG oil. Refer to the appropriate Refrigerant Oil Adding procedure in Group 412.

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5. Remove the A/C (air conditioning) compressor inlet line nuts, disconnect the fittings and remove the A/C (air conditioning) compressor inlet line.

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

Torque : 133 lb.in (15 Nm)



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Installation

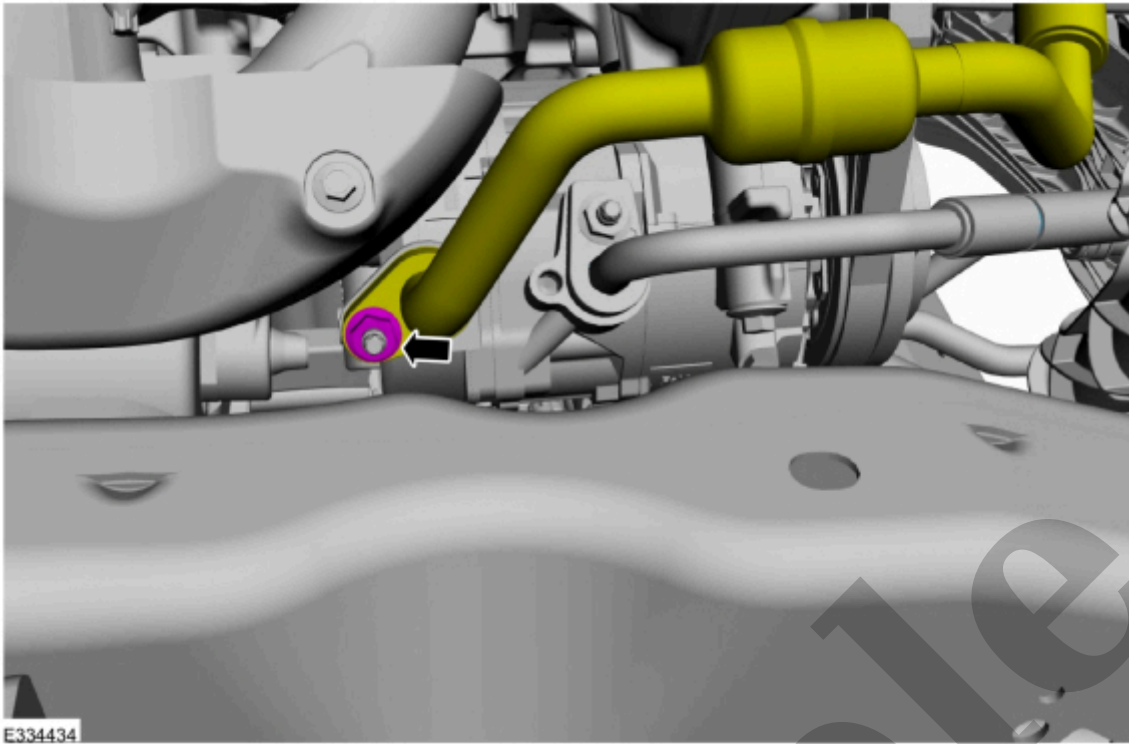
1. To install, reverse the removal procedure.

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

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

Torque : 133 lb.in (15 Nm)



Air Conditioning (A/C) Compressor Inlet Line - Electric

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

Air Conditioning (A/C) Compressor Inlet Line - Electric

Removal

NOTICE

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

NOTE

Removal steps in this procedure may contain installation details.

1. Recover the refrigerant.

Refer to: [Air Conditioning \(A/C\) System Recovery, Evacuation and Charging - Electric](#)(412-00 Climate Control System - General Information, General Procedures).

2. Remove the battery tray.

Refer to: [Battery Tray - Vehicles With: Max Trailer Tow - Battery Electric Vehicle \(BEV\)](#)(414-01 Battery, Mounting and Cables, Removal and Installation).

Refer to: [Battery Tray - Vehicles With: Trailer Tow -Battery Electric Vehicle \(BEV\)](#)(414-01 Battery, Mounting and Cables, Removal and Installation).

3. Remove the nuts and the A/C (air conditioning) compressor inlet line.

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

Air Conditioning (A/C) Compressor Outlet Line - 2.7L EcoBoost (238kW/324PS)

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 - 2.7L EcoBoost (238kW/324PS)

Removal

NOTICE

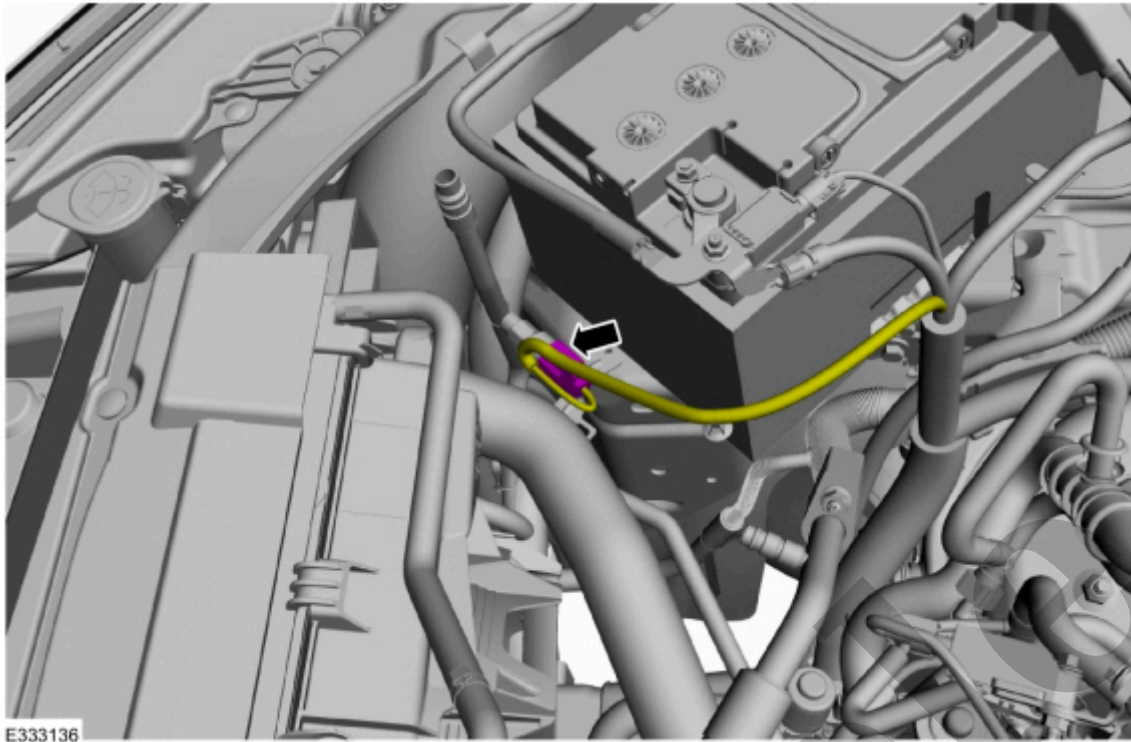
During the removal or installation of components, cap, tape or otherwise appropriately protect all openings and tubes/fittings to prevent the ingress of dirt or other contamination. Remove caps, tape and other protective materials prior to installation.

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 radiator grille.
Refer to: [Radiator Grille](#)(501-08 Exterior Trim and Ornamentation, Removal and Installation).
3. 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.](#)

5. Remove the following items:

- Remove the battery tray.

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

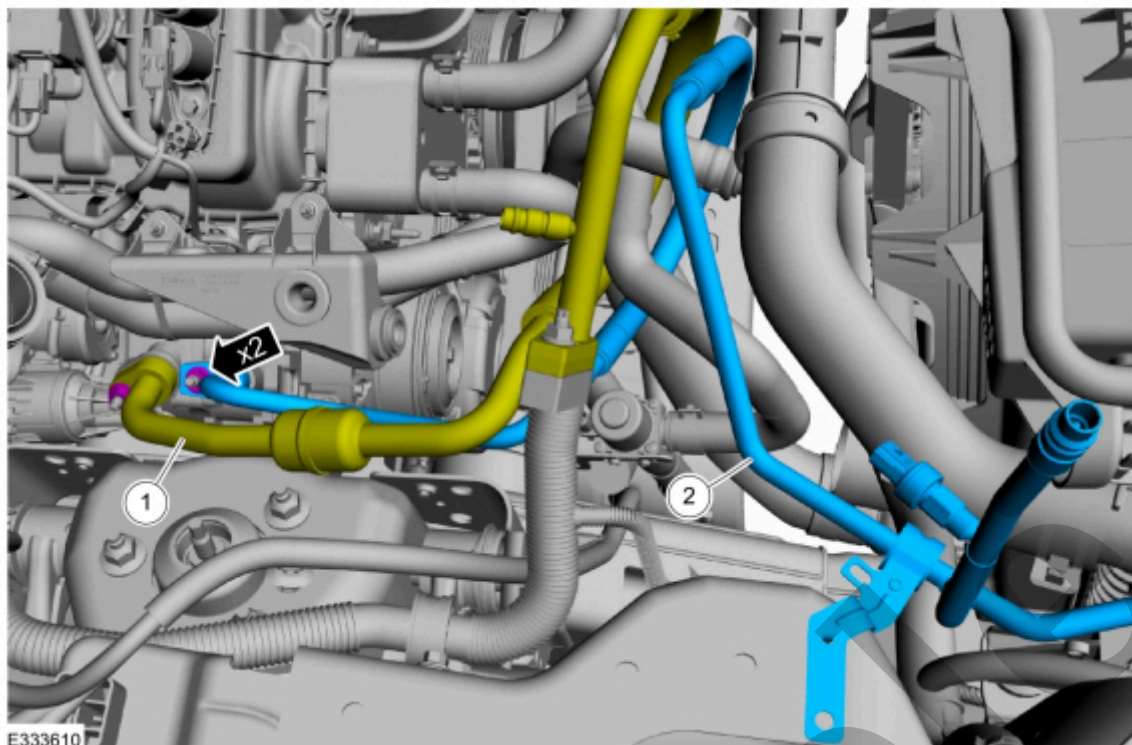
- Remove the RH (right-hand) air cleaner outlet pipe.

Refer to: [Air Cleaner Outlet Pipe RH](#)(303-12A Intake Air Distribution and Filtering - 2.7L EcoBoost (238kW/324PS), Removal and Installation).

- Remove the RH (right-hand) CAC (charge air cooler) intake pipe.

Refer to: [Charge Air Cooler \(CAC\) Intake Pipe](#)(303-12A Intake Air Distribution and Filtering - 2.7L EcoBoost (238kW/324PS), Removal and Installation).

6. Remove the A/C (air conditioning) compressor outlet line support retainer.



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

Installation

1. To install, reverse the removal procedure.

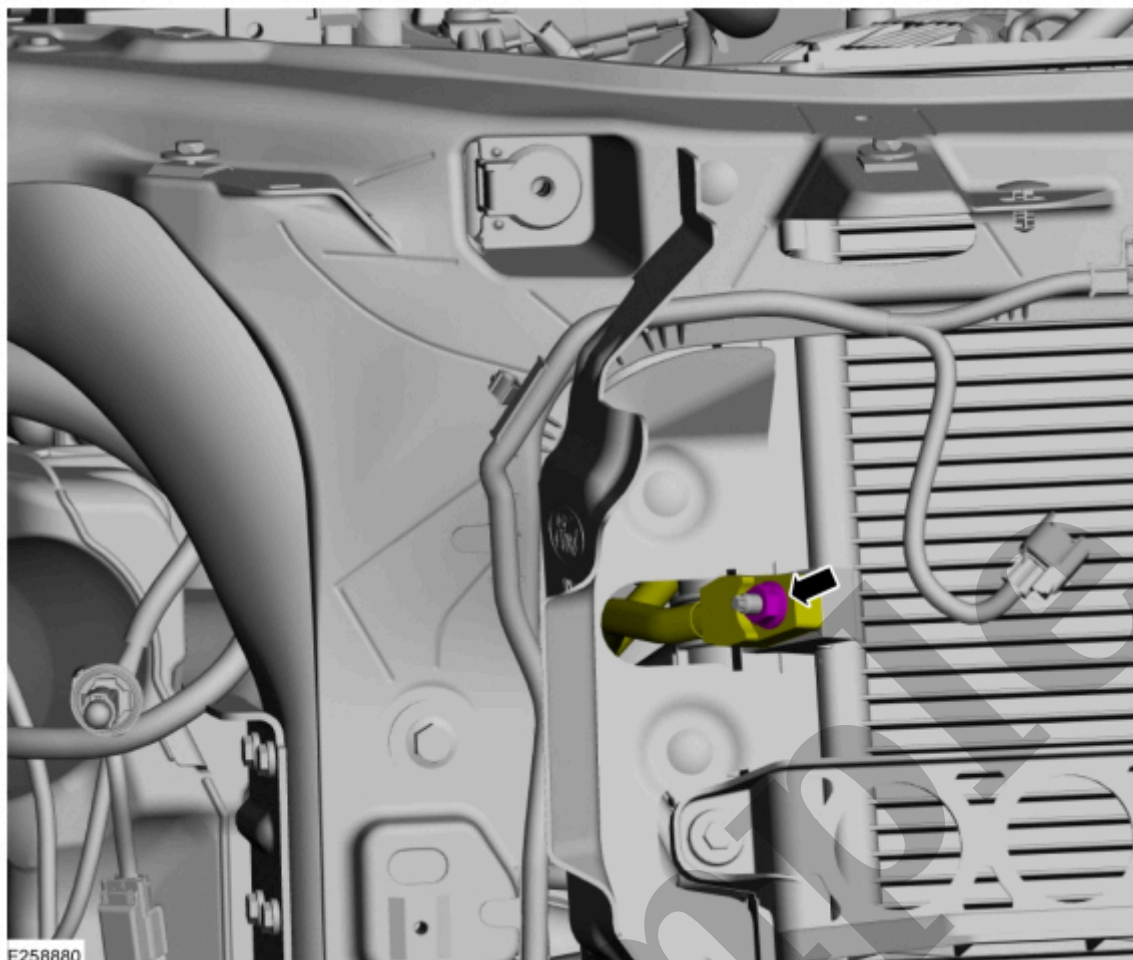
2. NOTICE

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.

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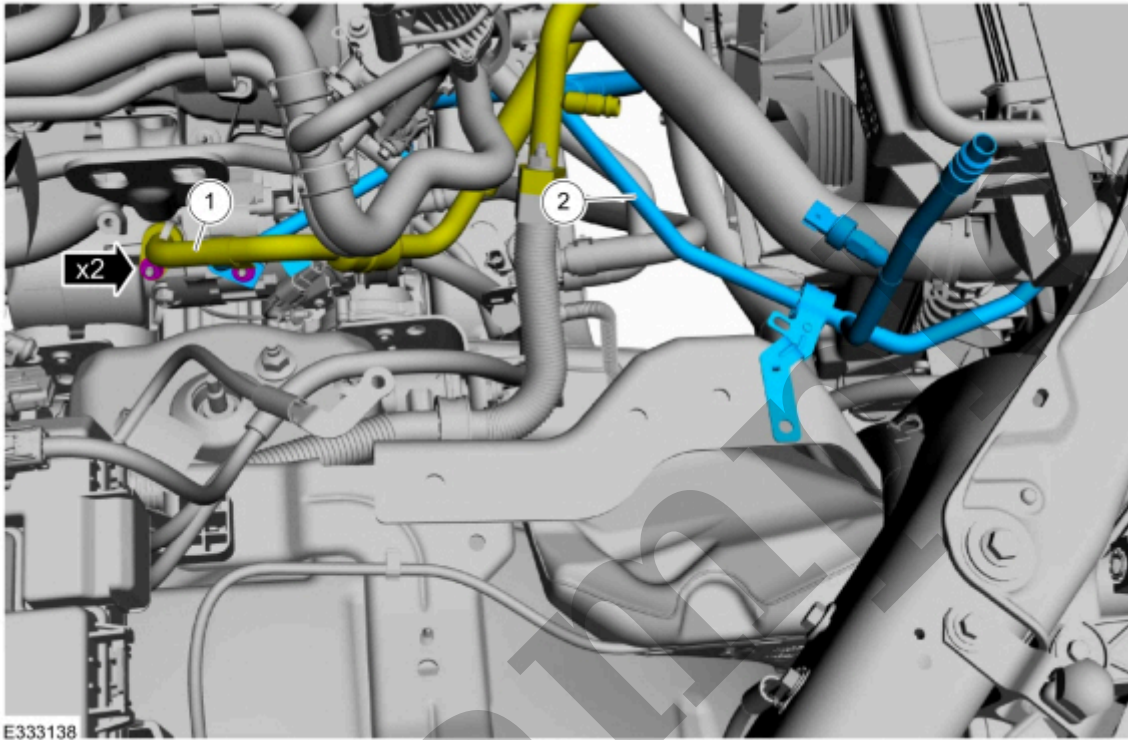
[Click here to learn about symbols, color coding, and icons used in this manual.](#)

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

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

7.
 1. Remove the nuts and position the A/C (air conditioning) compressor inlet line aside.
 2. Remove the A/C (air conditioning) compressor outlet line.
- 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 PAG oil. Refer to the appropriate Refrigerant Oil Adding procedure in Group 412.