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2020.0 DEFENDER (LE), 412-02

AUXILIARY CLIMATE CONTROL

AUXILIARY CLIMATE CONTROL ASSEMBLY (G2423935)

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REMOVAL AND INSTALLATION

PART(S)

STEP	PART NAME	QUANTITY
Installation Step 5	Evaporator pipe O-ring seals	4

REMOVAL

ⓘ CAUTION:

Before disconnecting any components, make sure the area is clean and free from foreign material. When disconnected all components must be sealed.

⚠ NOTES:

- This procedure contains some variation in the illustrations depending on the vehicle specification, but the essential information is always correct.
- This procedure contains illustrations showing certain components removed to provide extra clarity.

1. Disconnect the startup battery ground cable.

Refer to: [Startup Battery Disconnect and Connect](#) (414-00 Battery and Charging System - General Information, General Procedures).

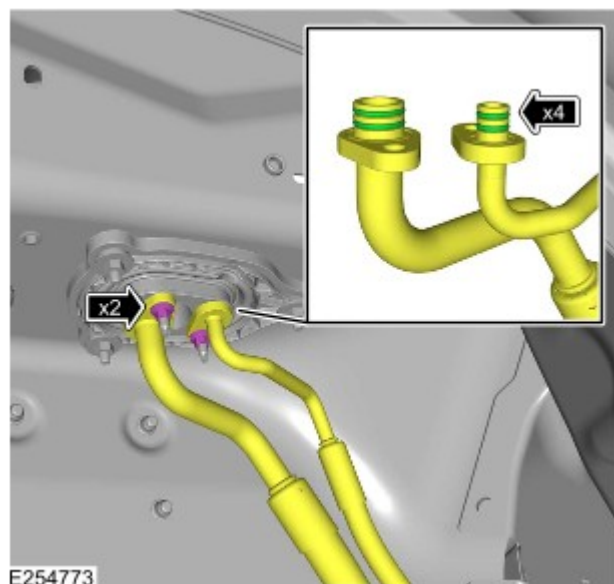
2. Evacuate the Air Conditioning (A/C) system.

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

3. Remove the rear left wheel arch liner.

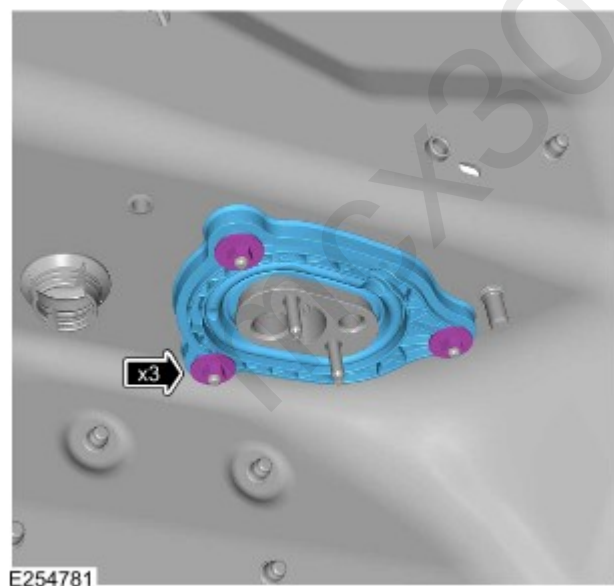
Refer to: [Rear Wheel Arch Liner](#) (501-08 Exterior Trim and Ornamentation, Removal and Installation).

4.



- Remove the 2 nuts.
- Release the 2 A/C pipes.
- Remove and discard the 4 O-ring seals.

5.



- Remove the 3 nuts.
- Remove the bracket.

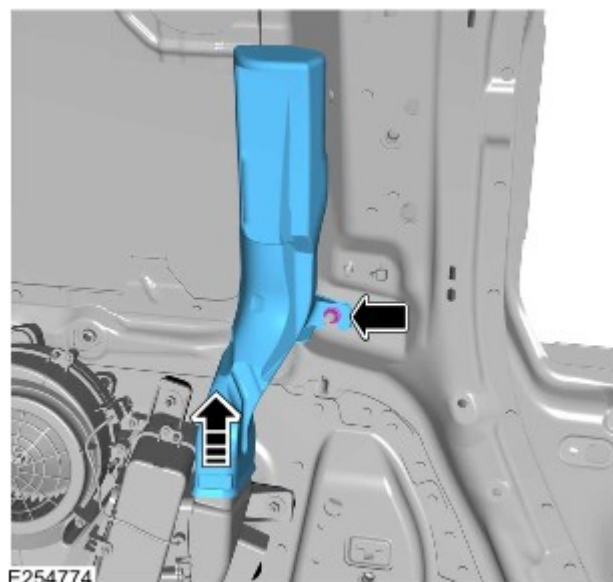
6.

Remove the left loadspace trim panel.

Refer to: [Left Loadspace Trim Panel - 110, Vehicles With: 5 Seats](#) (501-05 Interior Trim and Ornamentation, Removal and Installation).

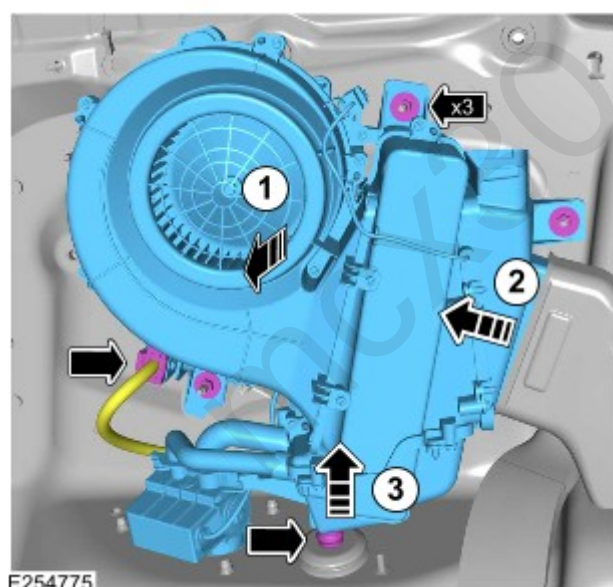
Refer to: [Left Loadspace Trim Panel - \[+\] 7 Seat Configuration, 110](#) (501-05 Interior Trim and Ornamentation, Removal and Installation).

7.



- Remove the nut.
- Remove the upper air duct.

8.



- Disconnect the electrical connector from the auxiliary climate control assembly.
- Remove the 3 nuts.
- Remove the auxiliary climate control assembly as illustrated.

INSTALLATION

1.

- Install the auxiliary climate control assembly.
- Install and tighten the 3 nuts.
Torque: 5Nm
- Connect the electrical connector to the auxiliary climate control assembly.

2.

- Install the upper air duct.
- Install and tighten the nut.
Torque: 5Nm

3.

Install the left loadspace trim panel.

Refer to: [Left Loadspace Trim Panel - 110, Vehicles With: 5 Seats](#) (501-05 Interior Trim and Ornamentation, Removal and Installation).

Refer to: [Left Loadspace Trim Panel - \[+\] 7 Seat Configuration, 110](#) (501-05 Interior Trim and Ornamentation, Removal and Installation).

4.

- Install the bracket.
- Install and tighten the 3 nuts.
Torque: 5Nm

5.



NOTE:

Lubricate the O-ring seals with clean refrigerant oil.

- Install the 4 new O-ring seals to the 2 Air Conditioning (A/C) pipes.
Renew Part: [Evaporator pipe O-ring seals](#) Quantity: 4.
- Connect the 2 A/C pipes to the auxiliary climate control assembly.
- Install and tighten the 2 nuts.
Torque: 9Nm

6.

Install the rear left wheel arch liner.

Refer to: [Rear Wheel Arch Liner](#) (501-08 Exterior Trim and Ornamentation, Removal and Installation).

7.

Connect the startup battery ground cable.

Refer to: [Startup Battery Disconnect and Connect](#) (414-00 Battery and Charging System - General Information, General Procedures).

8. Recharge the A/C system to the correct specification.

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

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