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2020.0 DEFENDER (LE), 412-02

AUXILIARY CLIMATE CONTROL

AUXILLIARY THERMOSTATIC EXPANSION VALVE

[G2323740]

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REMOVAL AND INSTALLATION

PART(S)

STEP	PART NAME	QUANTITY
Installation Step 1	Thermostatic expansion valve O-ring seal(s)	2
Installation Step 1	Thermostatic expansion valve O-ring seal(s)	2

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.

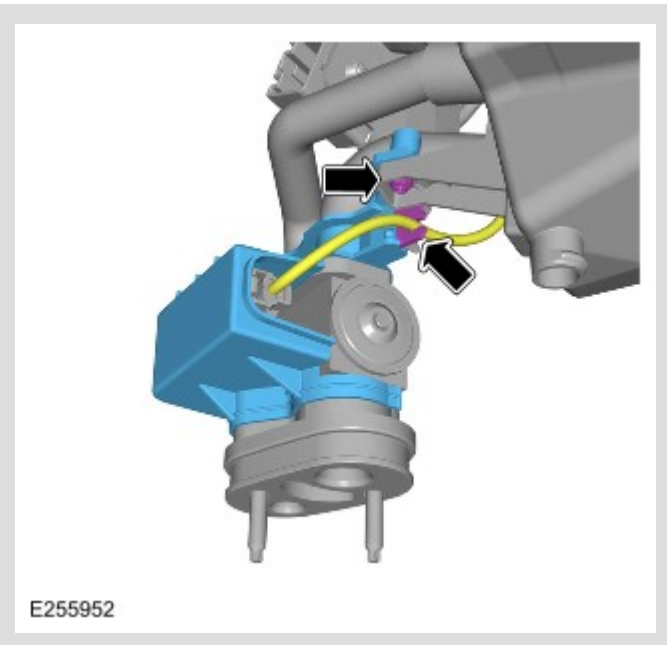
1. Disconnect the startup battery ground cable.

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

2. Remove the auxiliary climate control assembly.

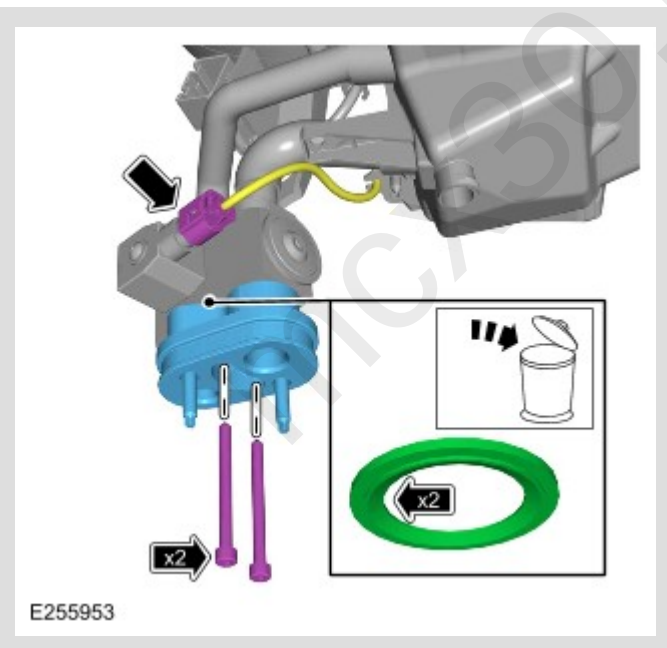
Refer to: [Auxiliary Climate Control Assembly](#) (412-02 Auxiliary Climate Control, Removal and Installation).

3.

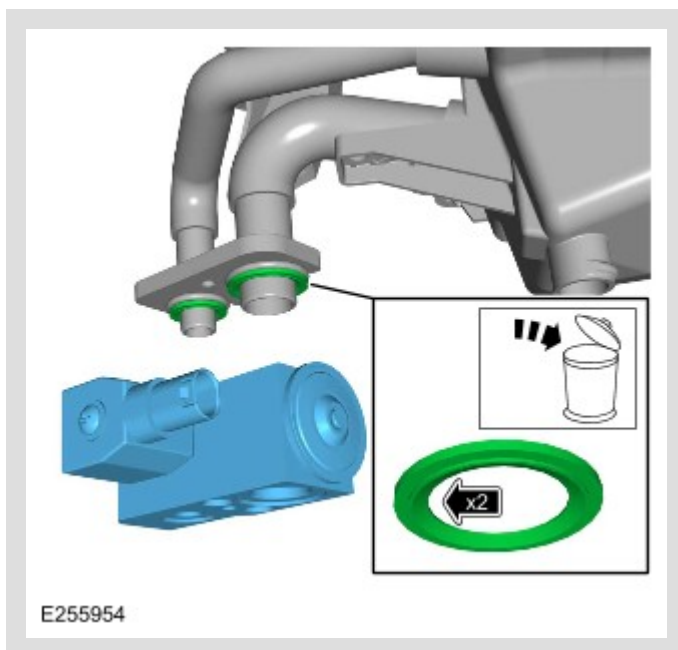


- Release the wiring harness from the clip.
- Remove the screw.
- Remove the auxiliary Thermostatic Expansion Valve (TXV) cover.

4.



- Disconnect the electrical connector from the auxiliary TXV.
- Remove the 2 bolts.
- Remove the spacer.
- Remove and discard the 2 O-ring seals.



- Remove the auxiliary TXV.
- Remove and discard the 2 O-ring seals.

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INSTALLATION

1.



NOTE:

Lubricate the O-ring seals with clean refrigerant oil.

- Install the 2 new O-ring seals to the 2 Air Conditioning (A/C) pipes.
Renew Part: [Thermostatic expansion valve O-ring seal\(s\)](#) Quantity: 2.
- Install the auxiliary TXV to the auxiliary climate control assembly.
- Install the 2 new O-ring seals to the spacer.
Renew Part: [Thermostatic expansion valve O-ring seal\(s\)](#) Quantity: 2.
- Install the spacer to the auxiliary TXV.
- Install and tighten the 2 bolts.
Torque: 4Nm

2.

- Connect the electrical connector to the auxiliary TXV.
- Install the auxiliary TXV cover.
- Install and tighten the screw.
Torque: 1.2Nm
- Install the wiring harness to the clip.

3.

Install the auxiliary climate control assembly.

Refer to: [Auxiliary Climate Control Assembly](#) (412-02 Auxiliary Climate Control, Removal and Installation).

4.

Connect the startup battery ground cable.

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