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2020.0 DEFENDER (LE), 412-01

CLIMATE CONTROL

THERMOSTATIC EXPANSION VALVE (G2323730)

mcx30.com

REMOVAL AND INSTALLATION

PART(S)

STEP	PART NAME	QUANTITY
Installation Step 1	Thermostatic expansion valve O-ring seal kit	1
Installation Step 2	Thermostatic expansion valve O-ring seal kit	1

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.

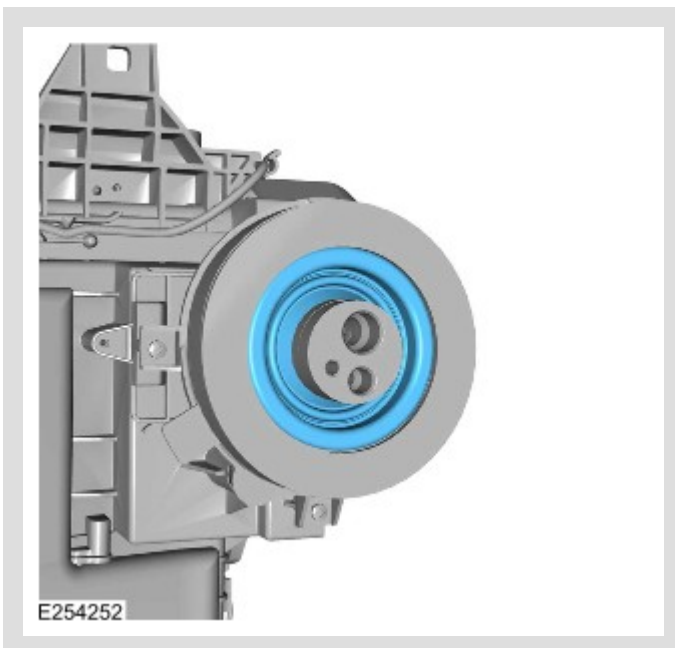
1. Disconnect the startup battery ground cable.

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

2. Remove the climate control assembly.

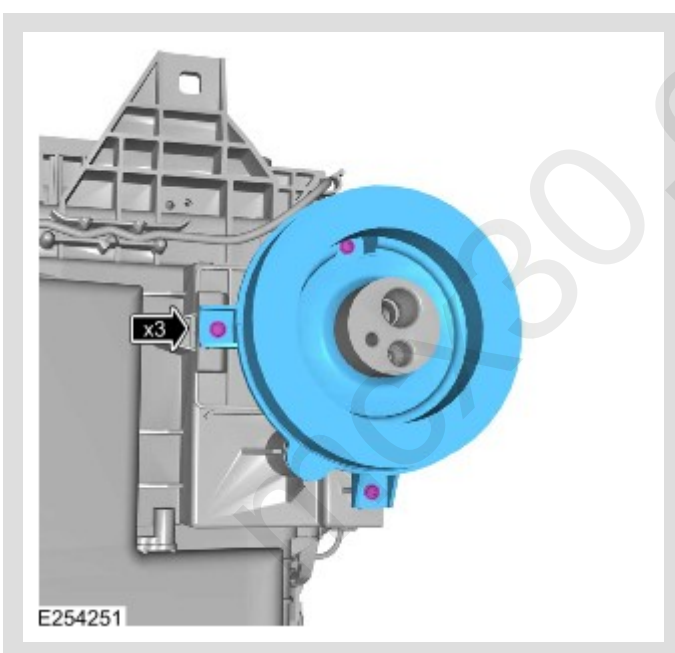
Refer to: [Climate Control Assembly](#) (412-01 Climate Control, Removal and Installation).

3.



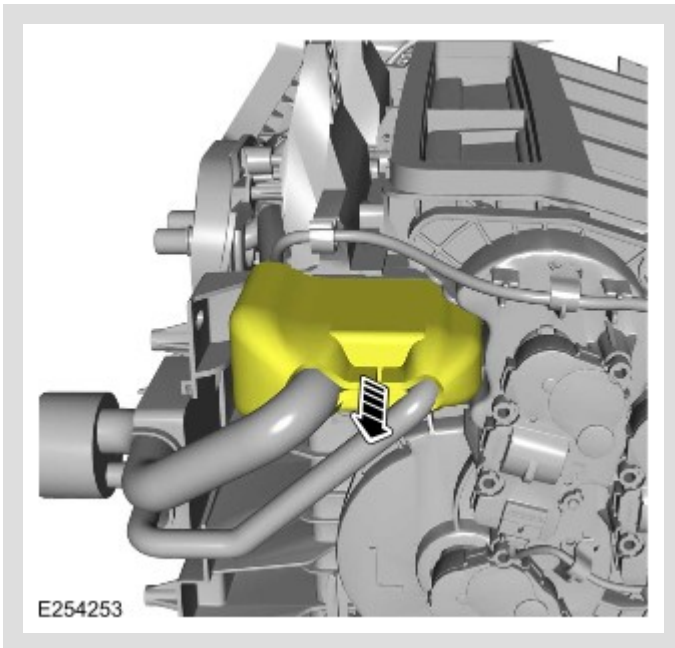
Remove the seal.

4.



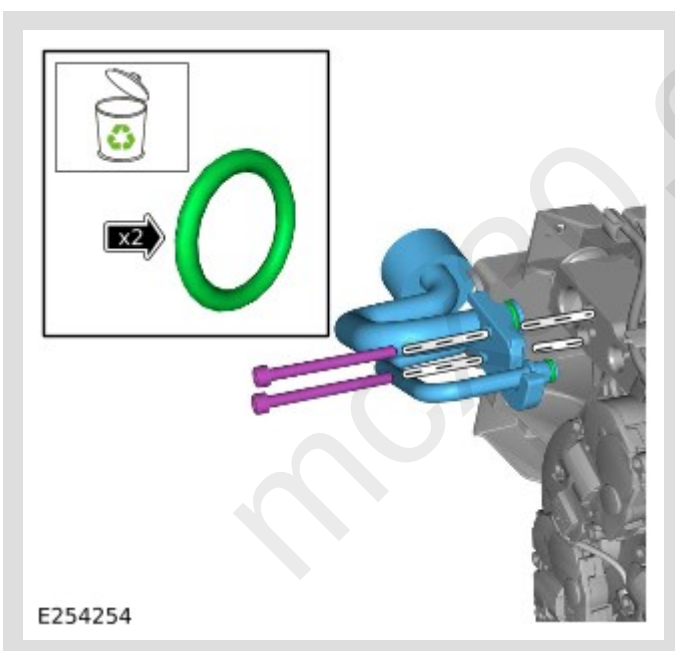
- Remove the 3 screws.
- Remove the Air Conditioning (A/C) pipe bracket.

5.

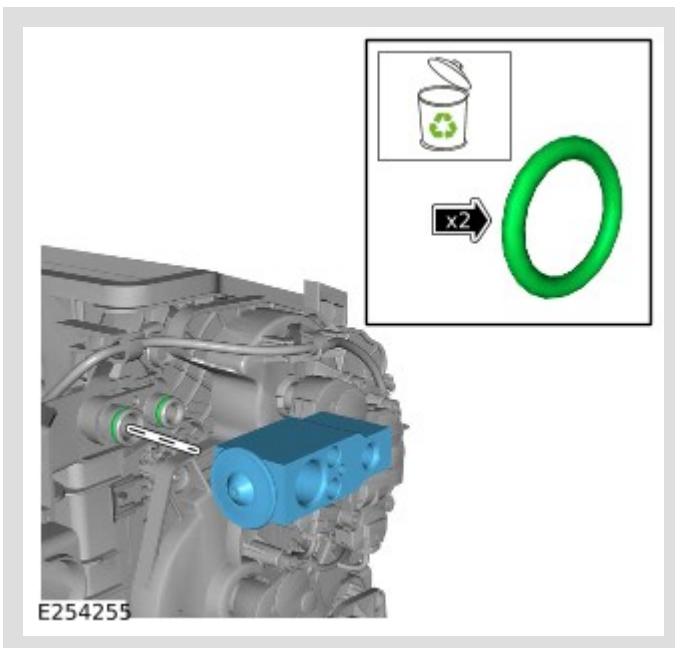


Release the Thermostatic Expansion Valve (TXV) cover.

6.



- Remove the 2 bolts.
- Remove the 2 A/C pipes.
- Remove and discard the 2 O-ring seals.



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

INSTALLATION

1.

NOTE:

Lubricate the O-ring seals with clean refrigerant oil.

- Install the 2 new O-ring seals to the evaporator.
Renew Part: [Thermostatic expansion valve O-ring seal kit](#) Quantity: 1.
- Install the Thermostatic Expansion Valve (TXV) to the evaporator.

2.

NOTE:

Lubricate the O-ring seals with clean refrigerant oil.

- Install the 2 new O-ring seals to the 2 A/C pipes.
Renew Part: [Thermostatic expansion valve O-ring seal kit](#) Quantity: 1.
- Install the 2 Air Conditioning (A/C) pipes to the TXV.
- Install and tighten the 2 bolts.
Torque: 4.5Nm
- Reposition the TXV cover.

3.

- Install the A/C pipe bracket to the climate control assembly.
- Install and tighten the 3 screws.
Torque: 1.2Nm
- Install the seal to the A/C pipe bracket.

4.

Install the climate control assembly.

Refer to: [Climate Control Assembly](#) (412-01 Climate Control, Removal and Installation).

5.

Connect the startup battery ground cable.

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