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2020.0 DEFENDER (LE), 412-02

AUXILIARY CLIMATE CONTROL

ELECTRIC BOOSTER HEATER - LEFT HAND DRIVE

[G2323741]

mcx30.com

REMOVAL

 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 instrument panel lower trim.

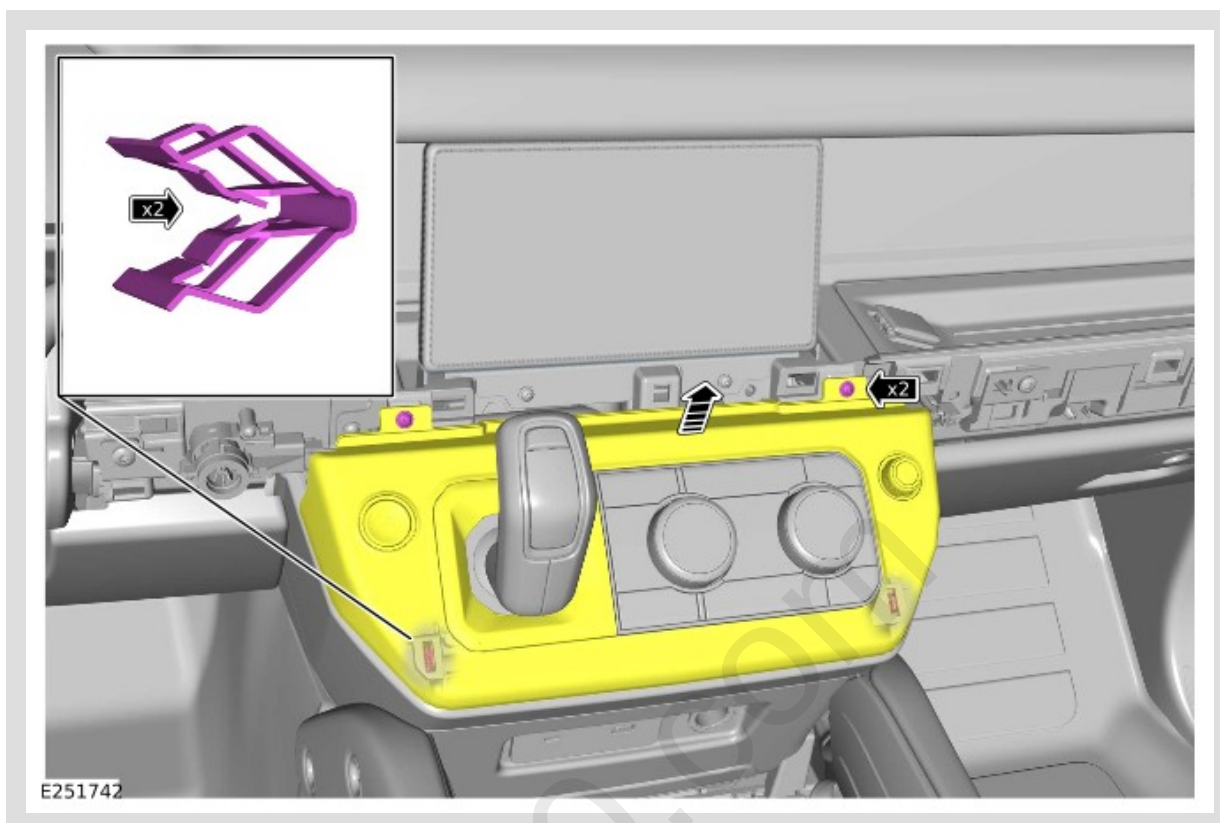
Refer to: [Instrument Panel Lower Trim](#) (501-12 Instrument Panel and Console, Removal and Installation).

3. Remove the glovebox.

Refer to: [Glovebox](#) (501-12 Instrument Panel and Console, Removal and Installation).

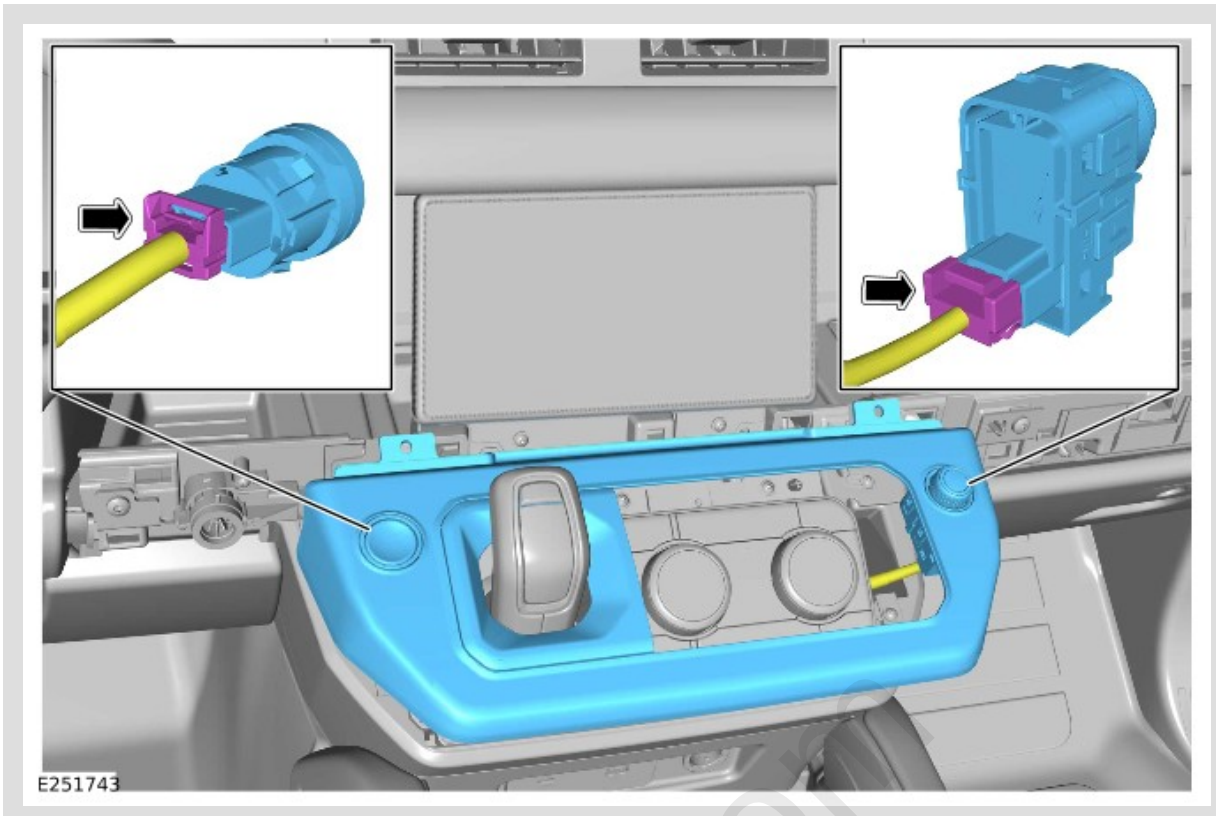
ⓘ CAUTION:

Take extra care not to damage the component.



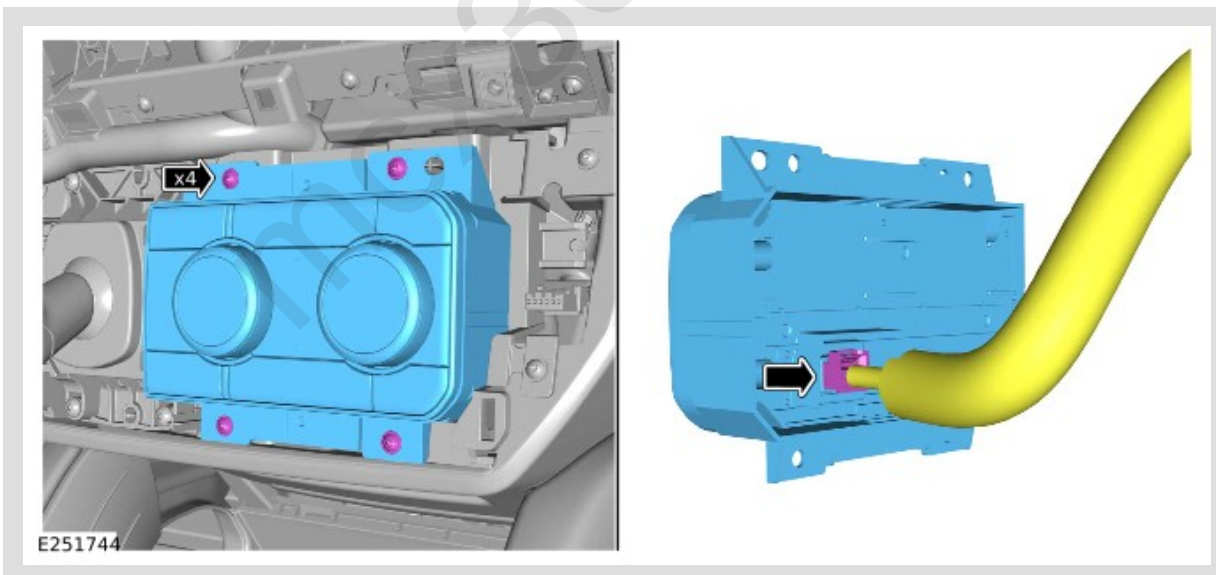
- Remove the 2 screws.
- Release the trim panel at the 2 clips.

5.



- Disconnect the 2 electrical connectors from the 2 switches.
- Remove the trim panel.

6.



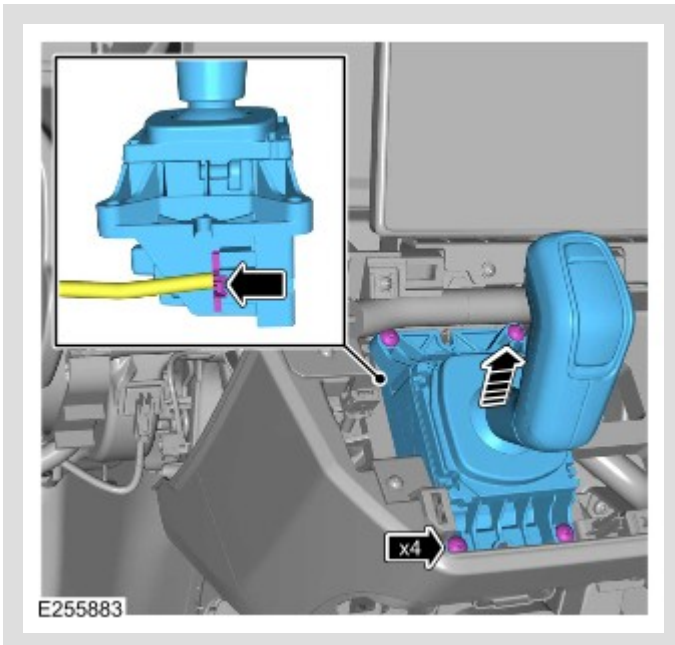
- Remove the 4 screws.
- Disconnect the electrical connector from the Integrated Control Panel (ICP).
- Remove the ICP.

7.

Remove the floor console.

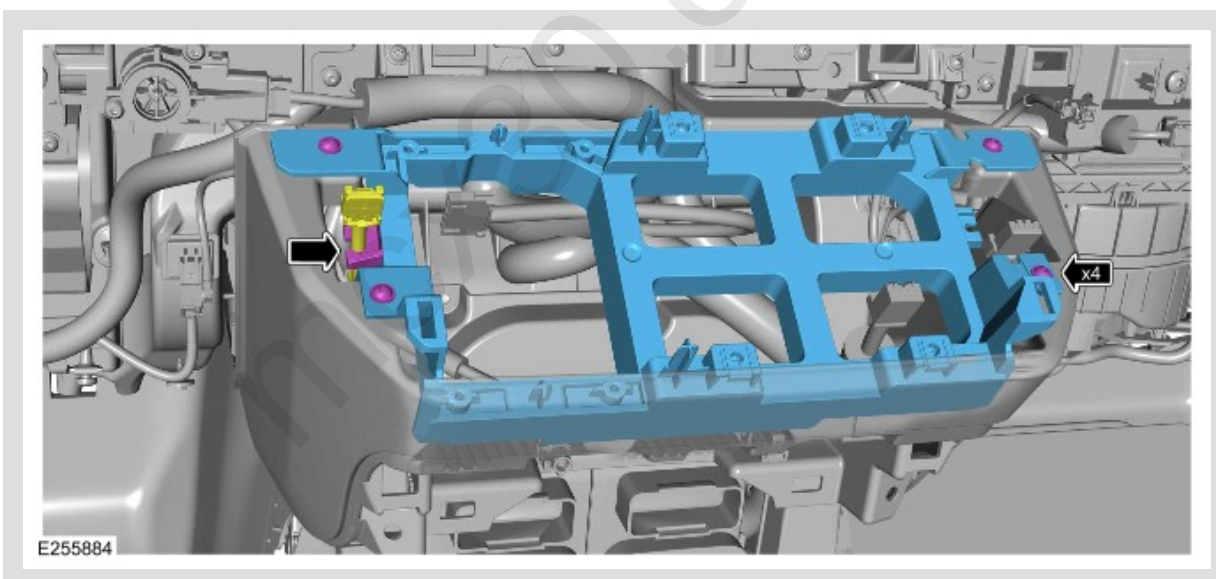
Refer to: Floor Console - Vehicles With: Stowage Compartment (501-12, Removal and Installation).

8.



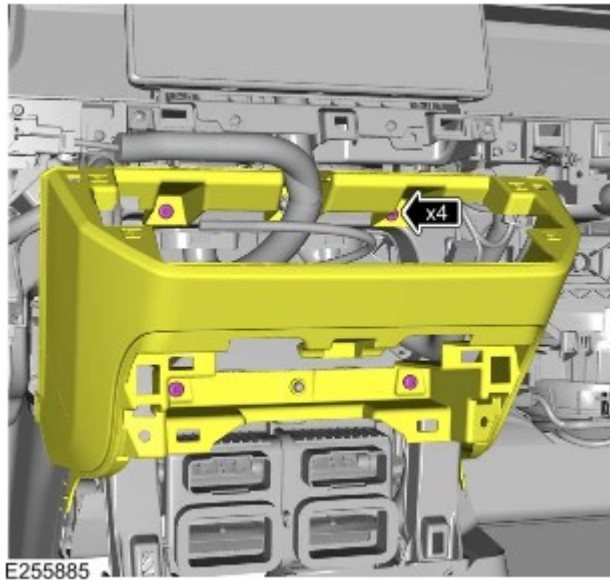
- Remove the 4 bolts.
- Disconnect the electrical connector from the Transmission Control Switch (TCS).
- Remove the TCS.

9.



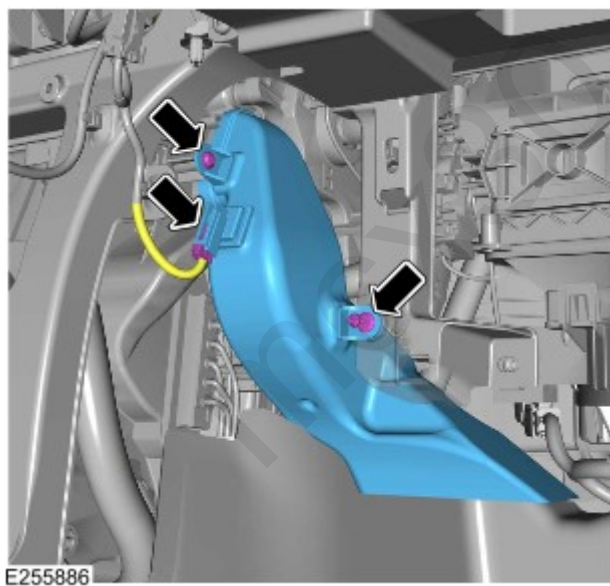
- Release the stop/start switch wiring harness from the clip.
- Remove the 4 screws.
- Remove the TCS bracket.

10.



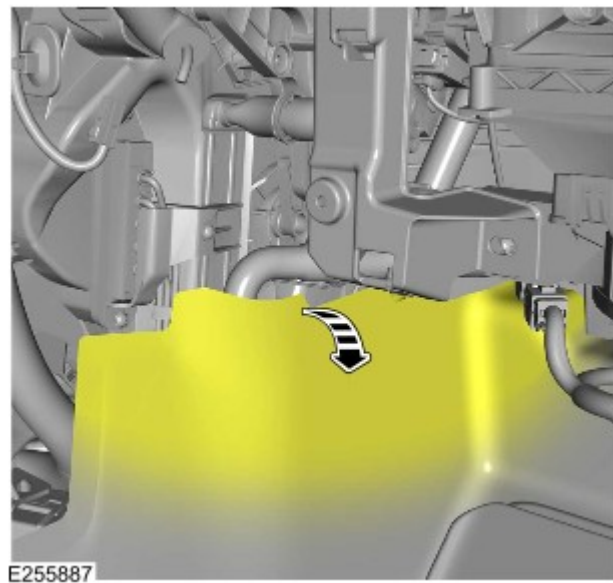
- Remove the 4 screws.
- Release and position the center trim to one side.

11.



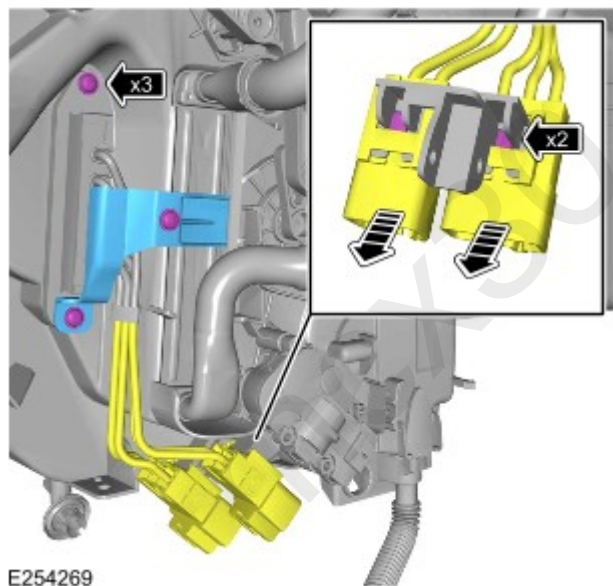
- Disconnect the electrical connector from the air duct temperature sensor.
- Remove the clip.
- Remove the screw.
- Remove the front right footwell air duct.

12.



Position the floor carpet to one side.

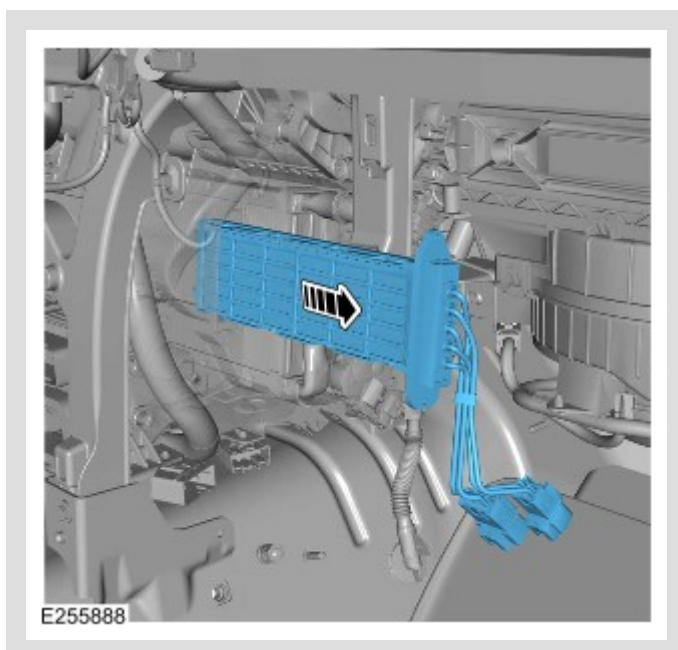
13.



- Release the 2 electrical connectors from the climate control assembly.
- Remove the 3 screws.
- Remove the heater core retainer.

ⓘ CAUTION:

Take extra care not to damage the component.



Remove the electric booster heater.

INSTALLATION

1.

CAUTION:

Take extra care not to damage the component.

- Install the electric booster heater.
- Install the heater core retainer to the climate control assembly.
- Install and tighten the 3 screws.
Torque: 1.2Nm
- Install the 2 electrical connectors to the climate control assembly.

2. Reposition the floor carpet to the original position.

3.

- Install the front right footwell air duct.
- Install and tighten the screw.
Torque: 1.2Nm
- Install the clip.
- Connect the electrical connector to the air duct temperature sensor.

4.

- Reposition the center trim to the instrument panel cross-car beam.
- Install and tighten the 4 screws.
Torque: 1.7Nm

5.

- Install the Transmission Control Switch (TCS) bracket.
- Install and tighten the 4 screws.
Torque: 1.2Nm
- Install the stop/start switch wiring harness to the clip.

6.

- Connect the electrical connector to the TCS.
- Install the TCS.
- Install and tighten the 4 bolts.
Torque: 3.2Nm

7.

Install the floor console.

Refer to: Floor Console - Vehicles With: Stowage Compartment (501-12, Removal and Installation).

8.

- Connect the electrical connector to the Integrated Control Panel (ICP).
- Install the ICP.
- Install and tighten the 4 screws.

Torque: 1.7Nm

9.

- Connect the 2 electrical connectors to the 2 switches.
- Install the trim panel at the 2 clips.
- Install and tighten the 2 screws.

Torque: 0.6Nm

10.

Install the glovebox.

Refer to: [Glovebox](#) (501-12 Instrument Panel and Console, Removal and Installation).

11.

Install the instrument panel lower trim.

Refer to: [Instrument Panel Lower Trim](#) (501-12 Instrument Panel and Console, Removal and Installation).

12.

Connect the startup battery ground cable.

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