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2020.0 DEFENDER (LE), 413-01

INSTRUMENT CLUSTER (G2323748)

mcx30.com

GENERAL EQUIPMENT

EQUIPMENT NAME

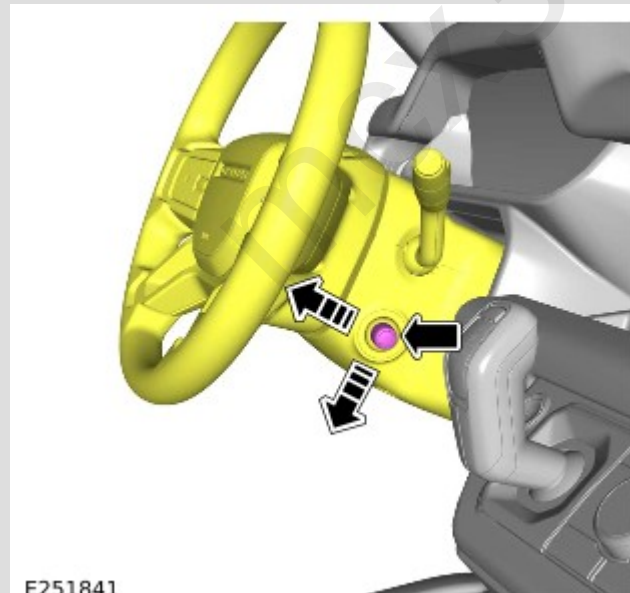
Jaguar Land Rover approved diagnostic equipment

REMOVAL

 NOTES:

- When a new instrument cluster is to be installed, the Jaguar Land Rover (JLR) approved diagnostic system must be connected to the vehicle and the instrument cluster renewal procedure followed. This will allow vehicle coding data and current service interval data to be correctly installed to the new instrument cluster.
- 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.



Position the steering wheel as illustrated.

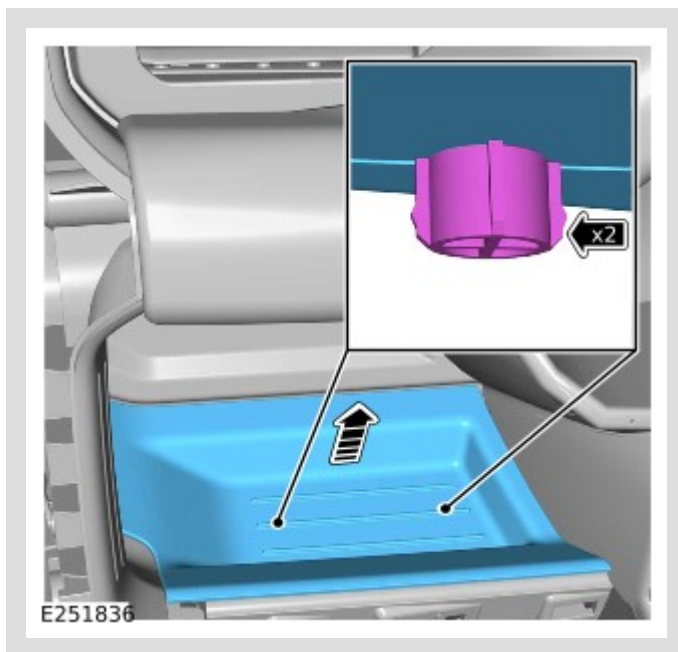
2. Disconnect the startup battery ground cable.

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

3. Remove the instrument panel lower trim.

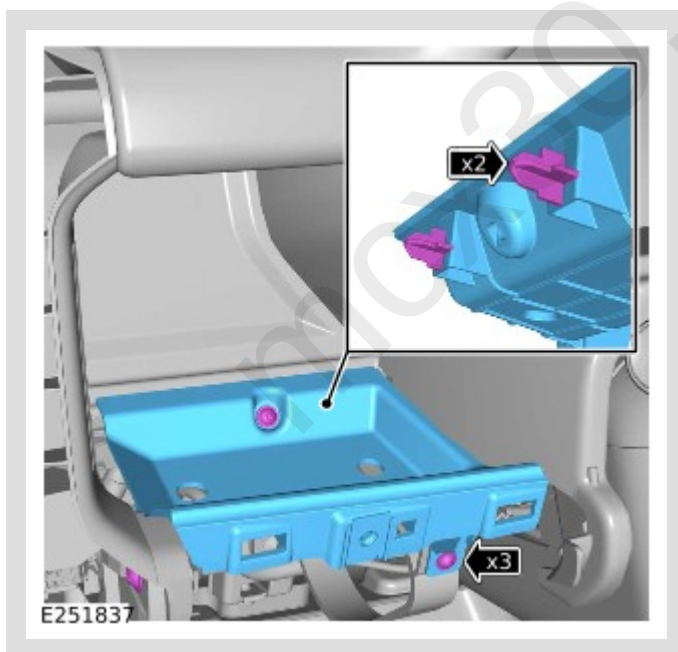
Refer to: [Instrument Panel Lower Trim](#) (501-12 Instrument Panel and Console, Removal and Installation).

4.



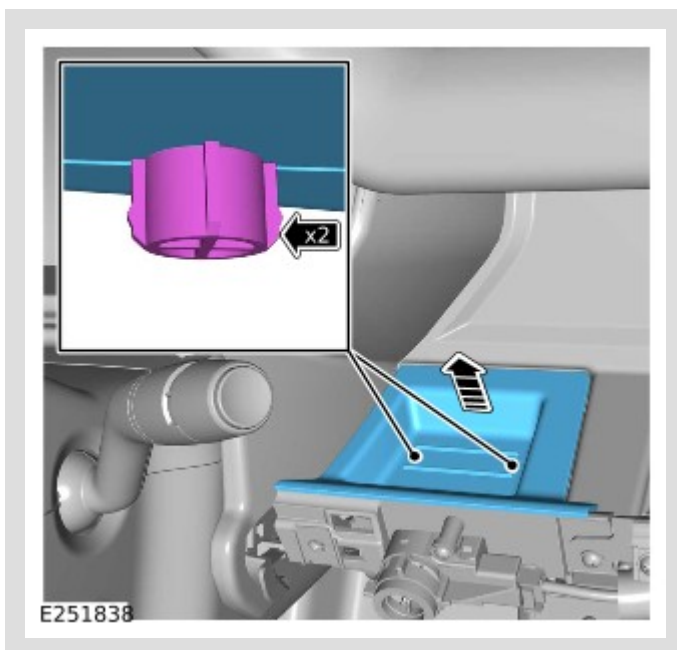
Remove the instrument panel left upper tray at the 2 fasteners.

5.



- Remove the 2 screws and 1 bolt.
- Remove the bracket of the instrument panel left upper tray.

6.

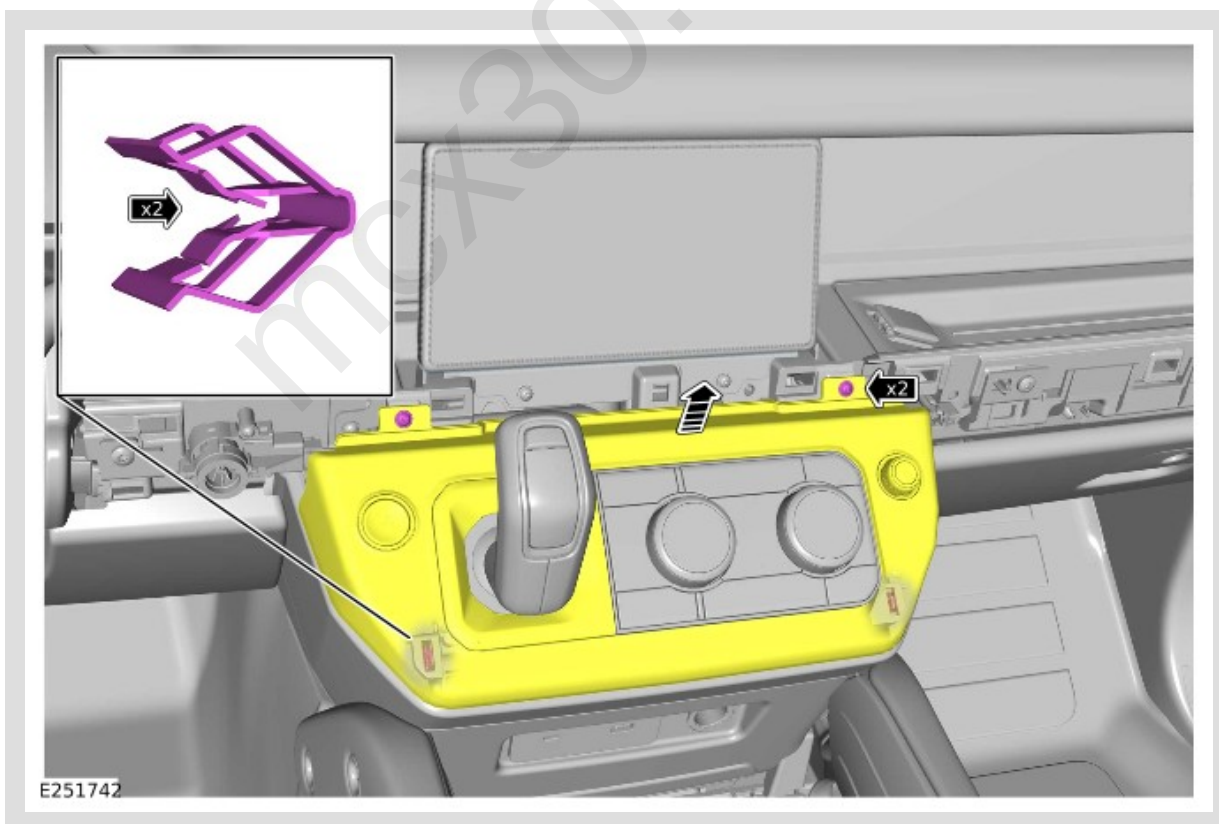


Remove the instrument panel center upper tray at the 2 fasteners.

7.

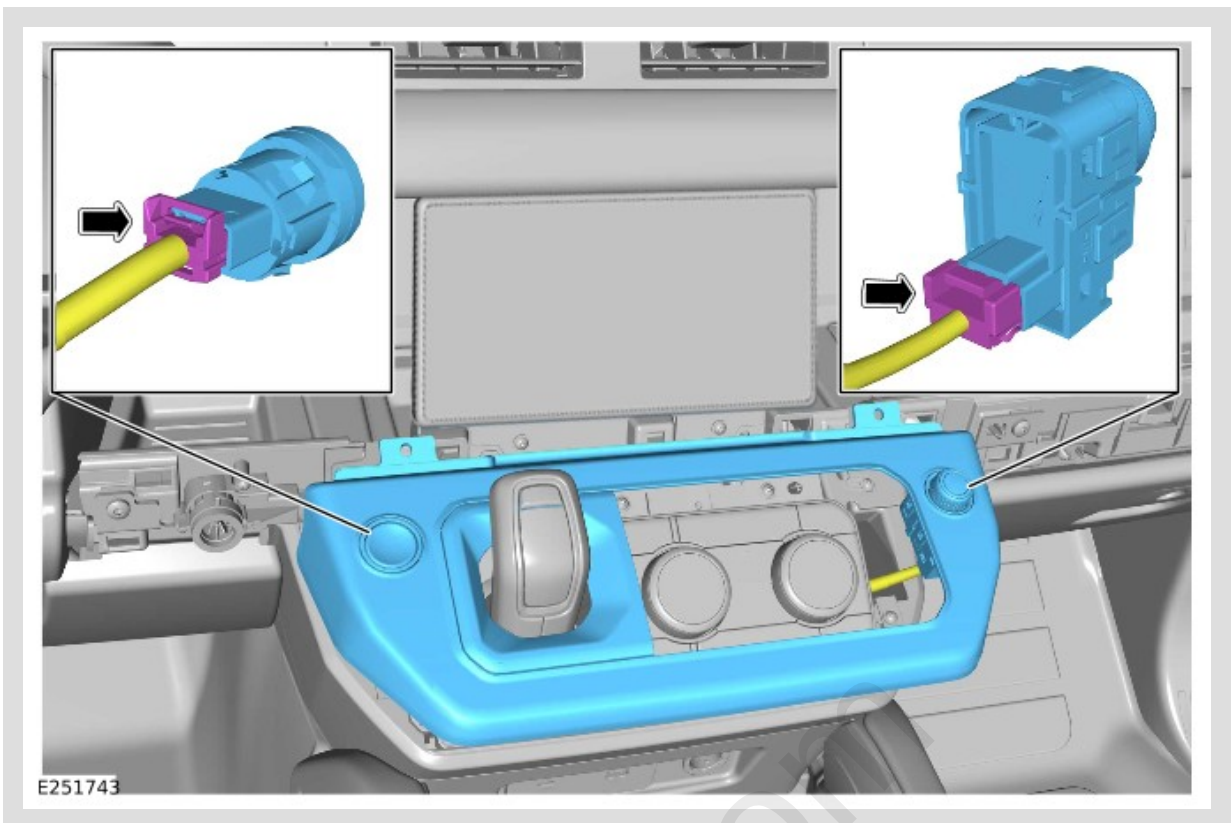
⚠ CAUTION:

Take extra care not to damage the component.



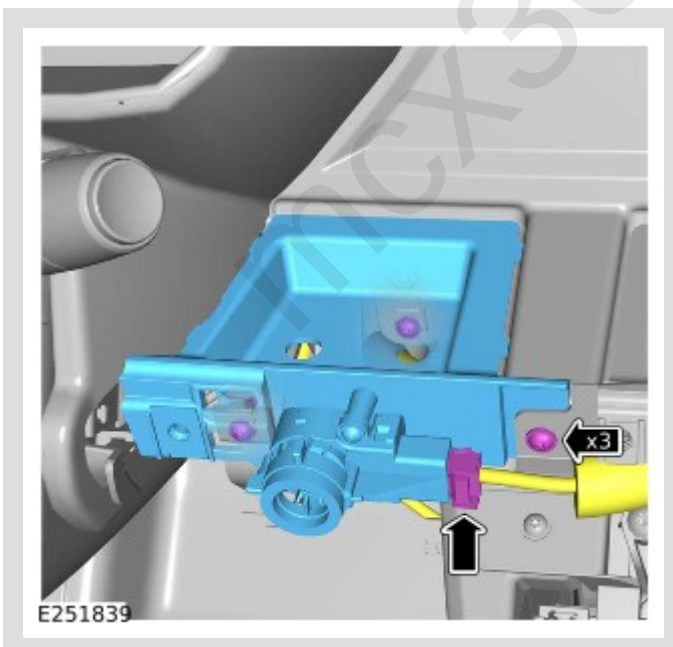
- Remove the 2 screws.
- Release the trim panel at the 2 clips.

8.



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

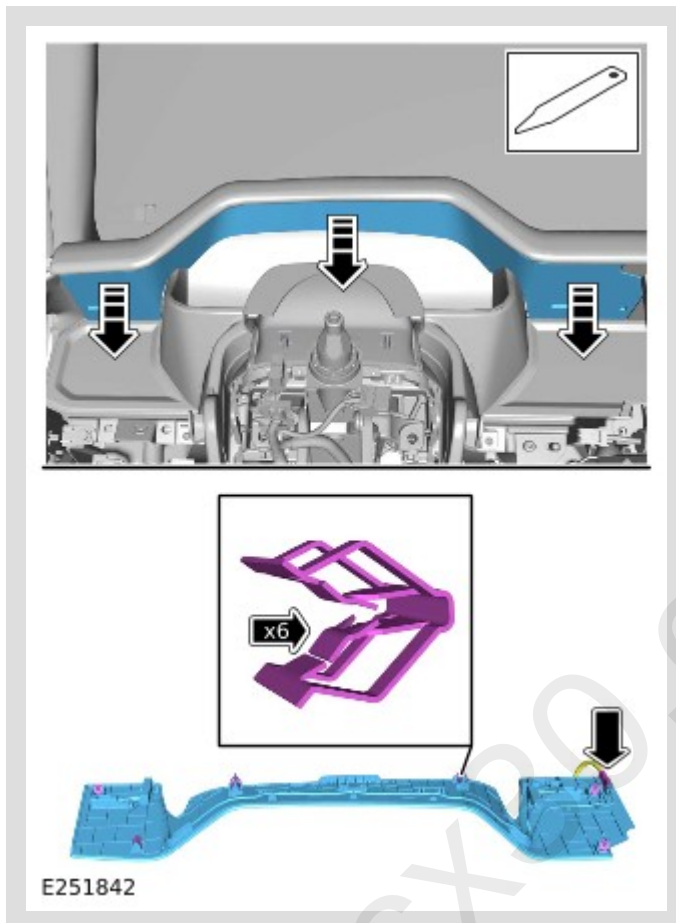
9.



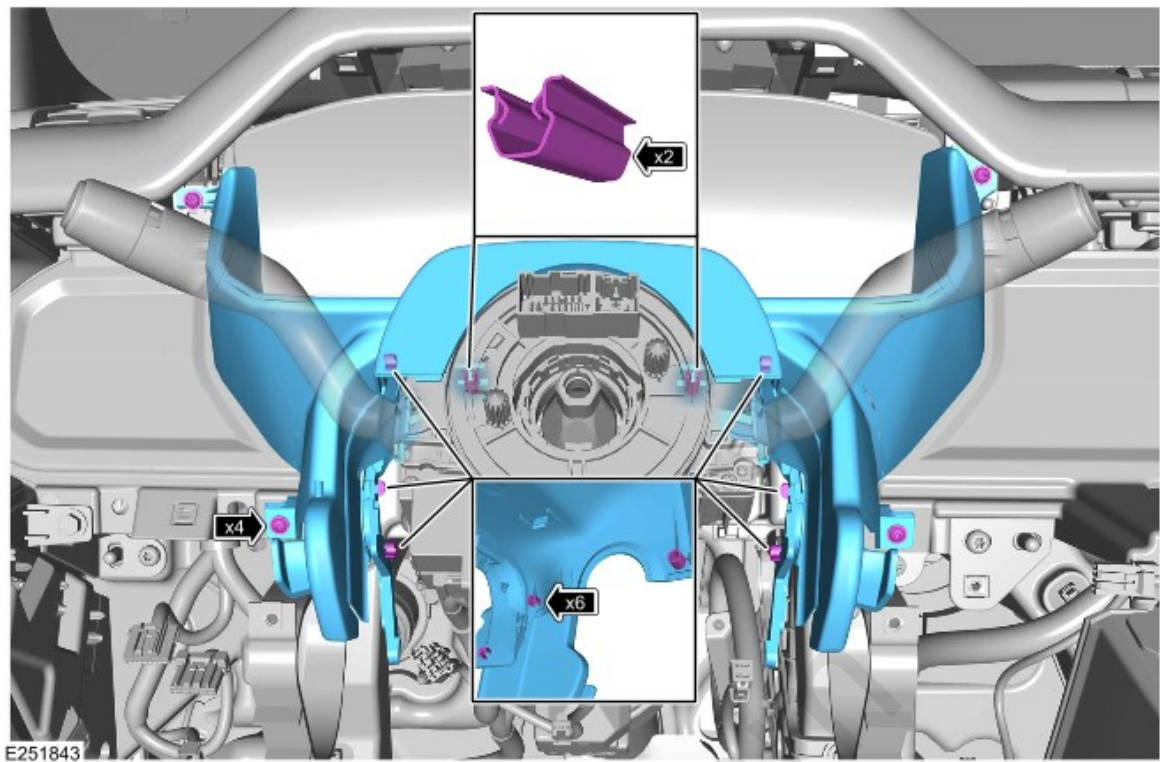
- Remove the 3 screws.
- Disconnect the electrical connector from the in-vehicle temperature sensor.
- Remove the bracket of the instrument panel center upper tray.

ⓘ CAUTIONS:

- Do not use metal tools during this operation, removal of the component(s) must be completed with a plastic trim tool.
- Take extra care not to damage the component.



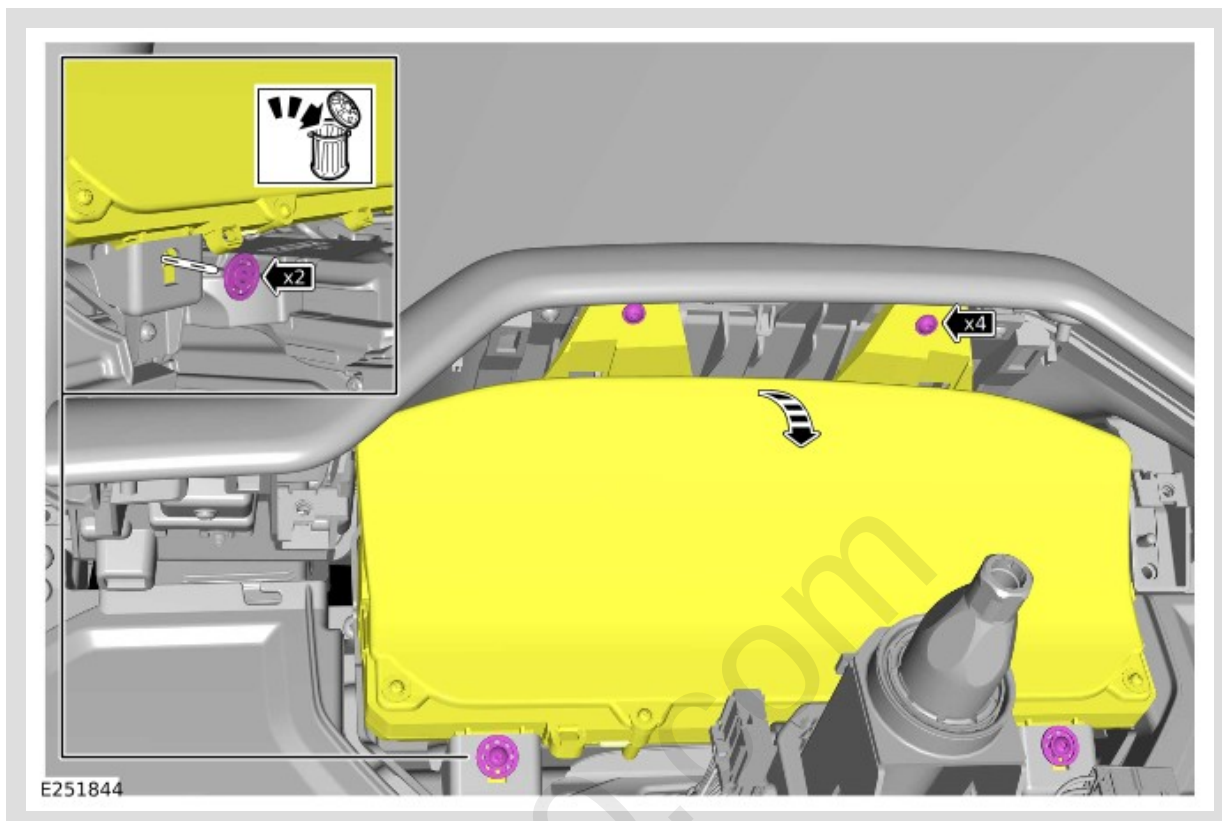
- Use a suitable plastic trim tool, release the 6 clips.
- Disconnect the electrical connector from the ambience lighting wiring harness.
- Remove the Instrument Cluster (IC) upper trim panel.



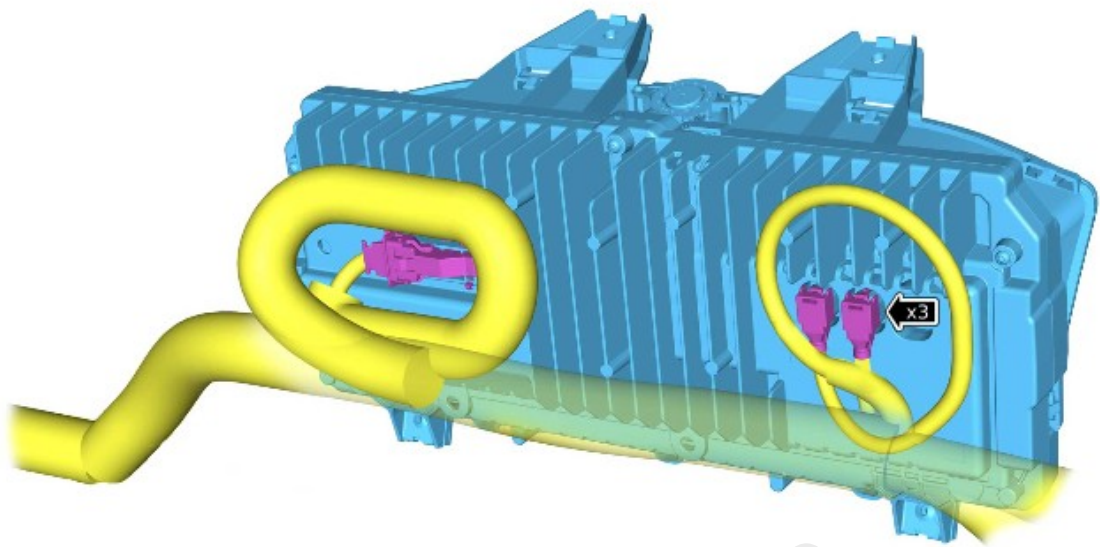
- Release the 8 clips.
- Remove the 4 screws.
- Remove the steering column upper trim panel.

ⓘ CAUTION:

Take extra care not to damage the component.



- Remove the 4 screws.
- Remove and discard the 2 fasteners.
- Release the IC.



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- Disconnect the 3 electrical connectors from the IC.
- Remove the IC.

INSTALLATION

1.

⚠ CAUTION:

Take extra care not to damage the component.

- Connect the 3 electrical connectors to the Instrument Cluster (IC).
- Install the IC.
- Install the 2 new fasteners.
- Install and tighten the 4 screws.

Torque: 1.7Nm

2.

- Install the steering column upper trim panel.
- Secure the 8 clips.
- Install and tighten the 4 screws.

Torque: 1.7Nm

3.

⚠ CAUTIONS:

- Make sure the connector is correctly secured.
- Take extra care not to damage the component.
- Connect the electrical connector to the ambience lighting wiring harness.
- Install the instrument cluster upper trim panel to the 6 clips.

4.

- Install the bracket of the instrument panel center upper tray.
- Install and tighten the 3 screws.
- Connect the electrical connector in-vehicle temperature sensor.

Torque: 1.7Nm

5.

Install the instrument panel center upper tray to the 2 fasteners.

6.

- 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

7.

- Install the bracket of the instrument panel left upper tray.
- Install and tighten the 2 screws and 1 bolt.

Torque: 1.7Nm

8.

Install the instrument panel left upper tray to the 2 fasteners.

9.

Install the instrument panel lower trim.

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

10.

Connect the startup battery ground cable.

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

11.



NOTE:

This step is only required if a new component is installed.

- Use the JLR approved diagnostic equipment to configure the new module.
General Equipment: [Jaguar Land Rover approved diagnostic equipment](#)
- Follow all on-screen instructions to complete this task.