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2020.0 DEFENDER (LE), 211-04

STEERING COLUMN

## STEERING WHEEL (G2344697)

mcx30.com

## GENERAL EQUIPMENT

## EQUIPMENT NAME

Jaguar Land Rover approved diagnostic equipment

## REMOVAL

**WARNING:**

- To avoid accidental deployment and possible personal injury, the backup power supply must be depleted before repairing or replacing any airbag Supplementary Restraint System (SRS) components. To deplete the backup power supply energy, disconnect the battery ground cable and wait for 1 minute. Failure to follow this instruction may result in personal injury.
- Do not connect any electrical test device or equipment to the SRS connectors.
- Always wear safety glasses when working on an airbag equipped vehicle and when handling an airbag. Failure to follow this instruction may result in personal injury.

**CAUTION:**

Make sure the steering wheel is in the straight ahead position.

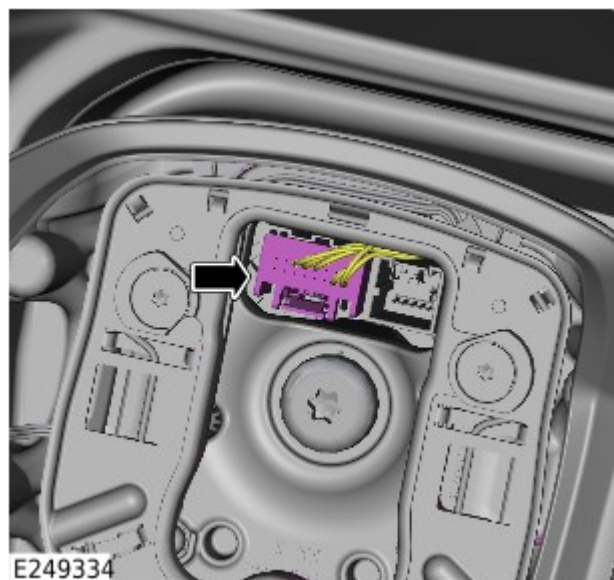
**NOTE:**

- 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, General Procedures).

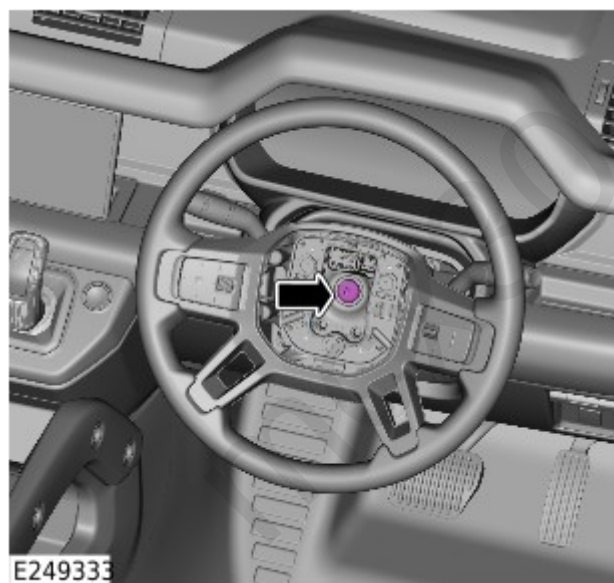
2. Remove the driver airbag.  
Refer to: Driver Airbag (501-20B, Removal and Installation).

3.



Disconnect the electrical connector.

4.

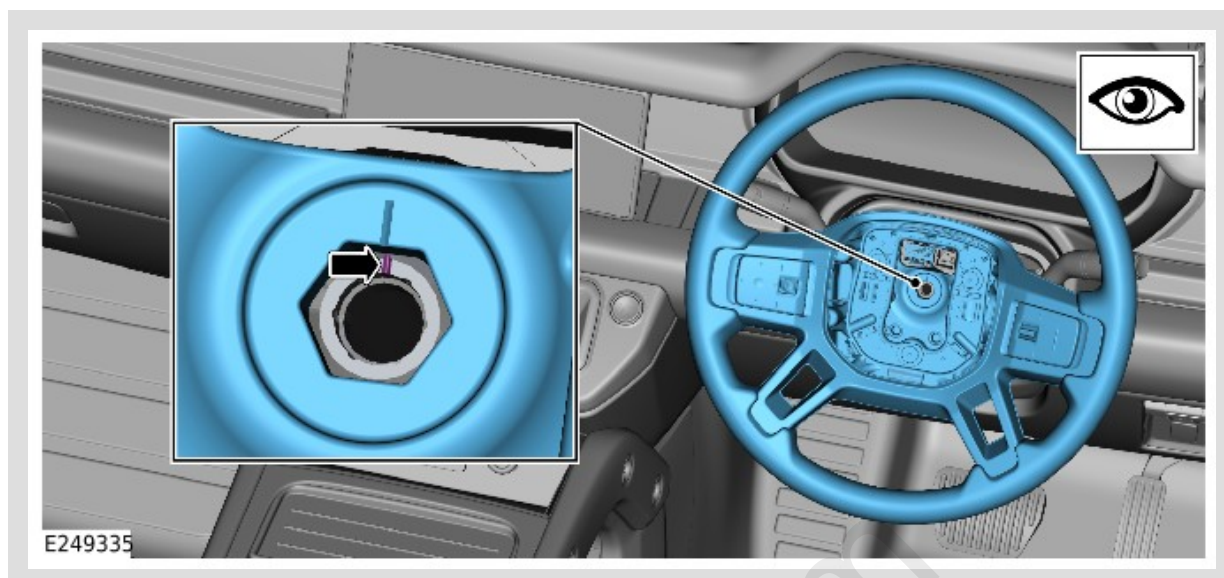


Remove the bolt.

5.

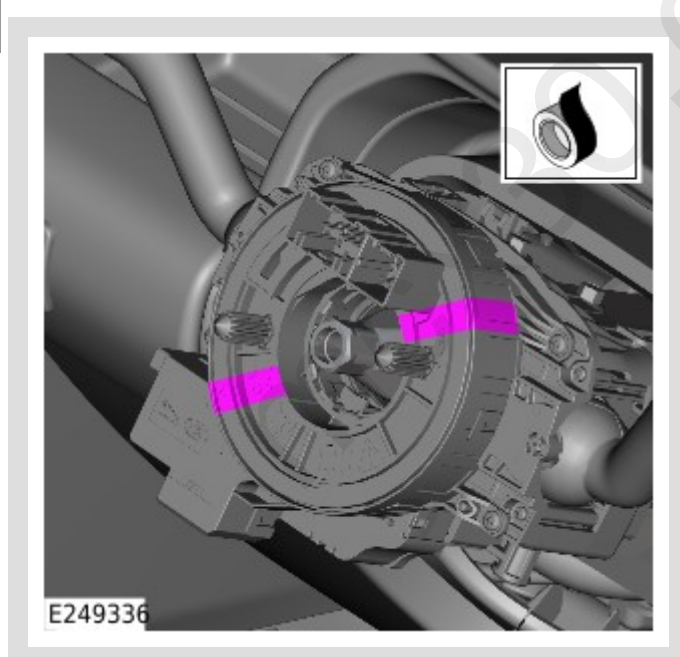
 **NOTE:**

Note the orientation of the component prior to removal.



Remove the steering wheel.

6.

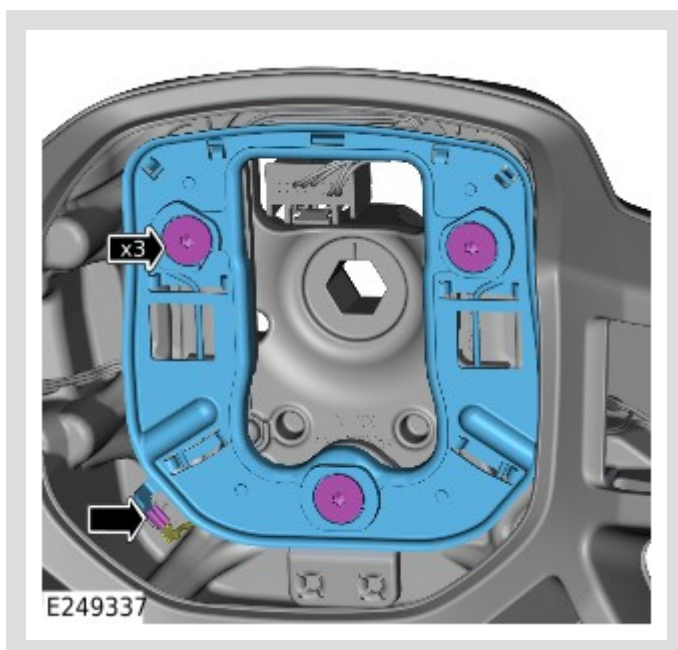


Use 2 tapes to retain the clockspring.

7.

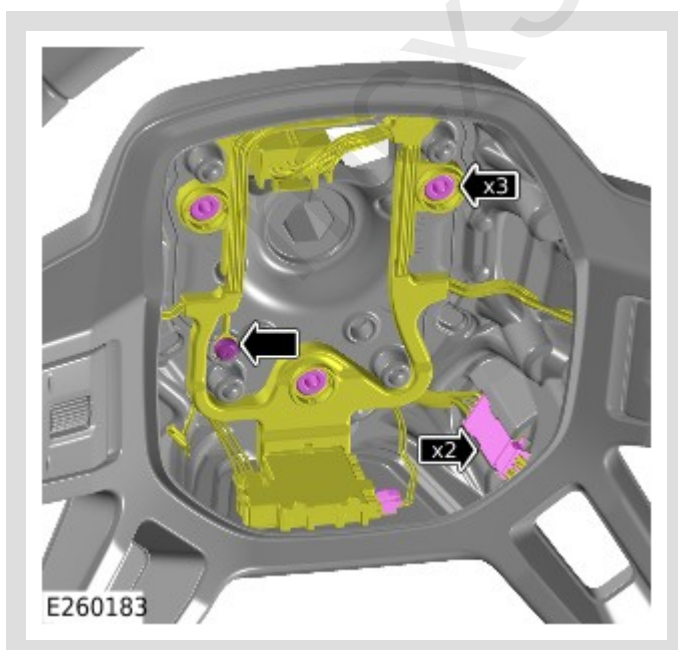
 **NOTE:**

Only perform the following step(s) if a new component is to be installed.

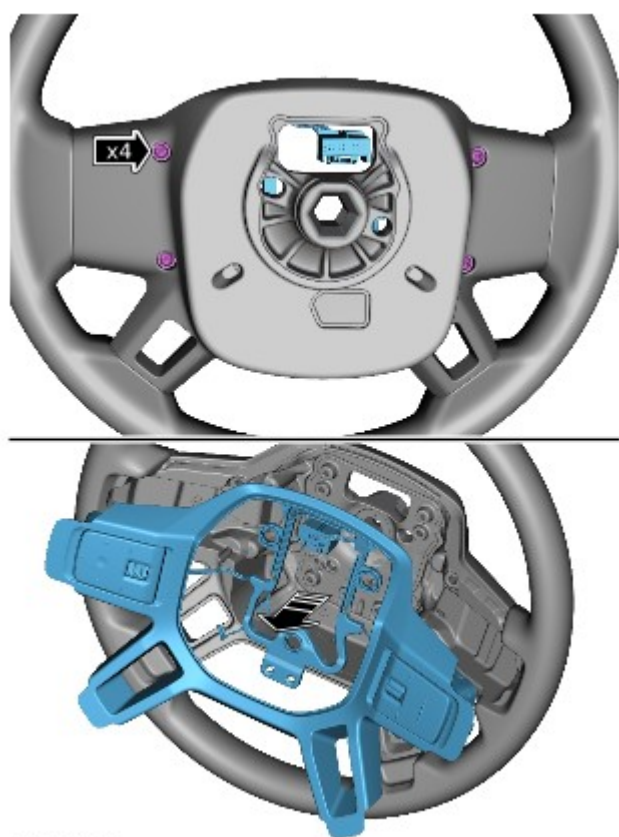


- Disconnect the electrical connector.
- Remove the 3 bolts.
- Remove the horn switch.

8.



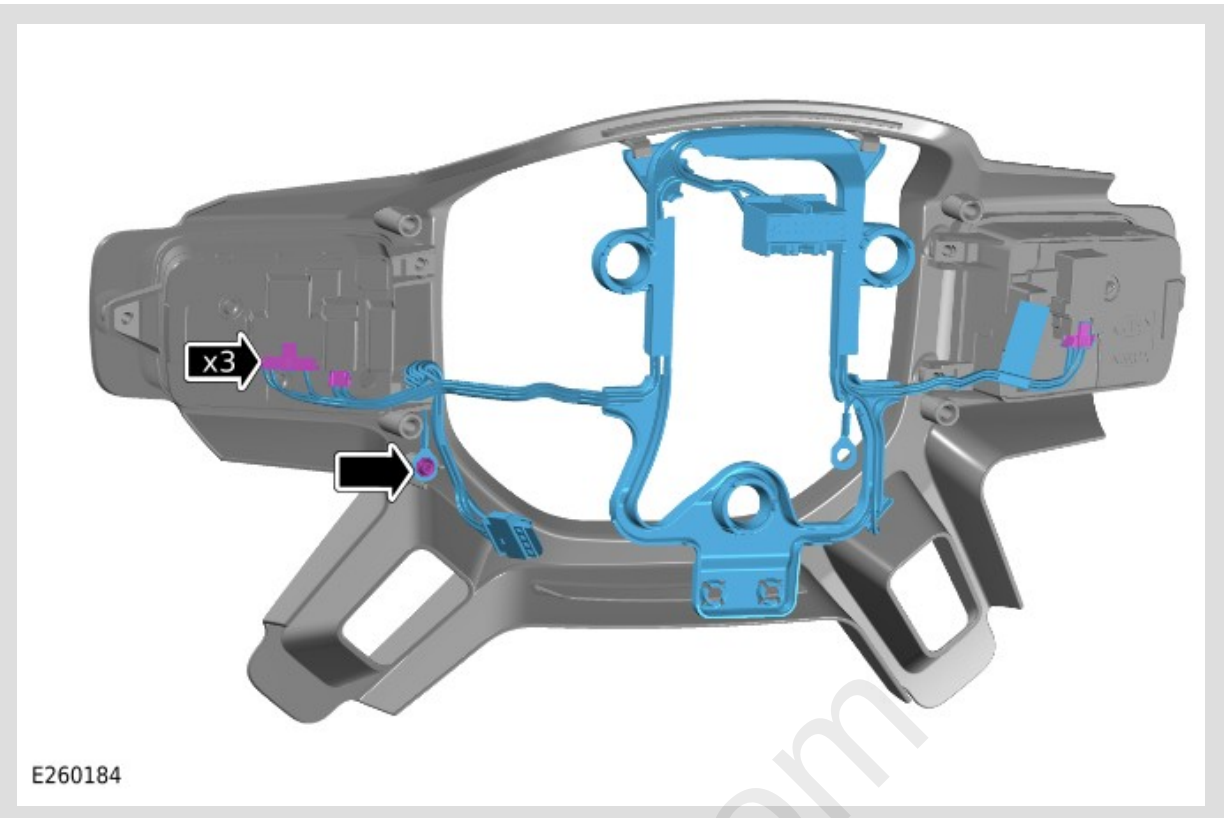
- Remove the bolt.
- Disconnect the 2 electrical connectors.
- Release the steering wheel wiring harness from the 3 clips.



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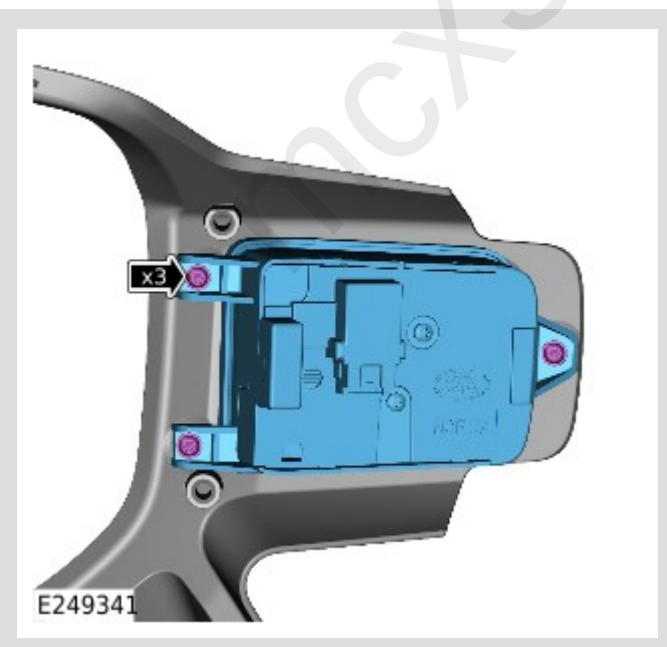
- Remove the 4 bolts.
- Remove the steering wheel cover.

10.

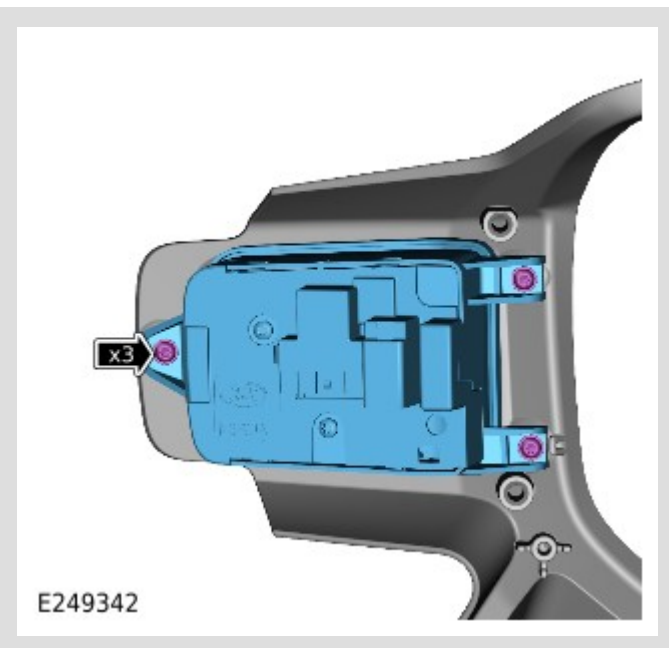


- Remove the bolt.
- Disconnect the 3 electrical connectors.
- Remove the steering wheel wiring harness.

11.



- Remove the 3 bolts.
- Remove the steering wheel left switchpack.



- Remove the 3 bolts.
- Remove the steering wheel right switchpack.

## INSTALLATION

1.



### NOTE:

Steps 1 to 6 are only required if the components were previously removed.

- Install the steering wheel right switchpack.
- Install and tighten the 3 bolts.

*Torque: 1.5Nm*

2.

- Install the steering switch left switchpack.
- Install and tighten the 3 bolts.

*Torque: 1.5Nm*

3.

- Install the steering wheel wiring harness.
- Connect the 3 electrical connectors.
- Install and tighten the bolt.

*Torque: 2Nm*

4.

- Install the steering wheel cover.
- Install and tighten the 4 bolts.

*Torque: 2Nm*

5.

- Install steering wheel wiring harness into the 3 clips.
- Connect the 2 electrical connectors
- Install and tighten the steering wheel wiring harness bolt.

*Torque: 2Nm*

6.

- Install the horn switch.
- Install and tighten 3 bolts.
- Connect the electrical connector to the horn switch.

7.

Remove the 2 tapes from the clockspring.

8.

 **NOTE:**

Make sure that the component is installed to the noted removal position.

- Install the steering wheel.
- Install and tighten the steering wheel bolt.

*Torque: 48Nm*

- Connect the electrical connector.

9.

Install the driver airbag.

Refer to: Driver Airbag (501-20B, Removal and Installation).

10.

Connect the startup battery ground cable.

Refer to: Startup Battery Disconnect and Connect (414-00, General Procedures).

11.

If a new component has been installed, use the Jaguar Land Rover (JLR) approved diagnostic equipment to configure.

*General Equipment:* [Jaguar Land Rover approved diagnostic equipment](#)