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2020.0 DEFENDER (LE), 303-06B

STARTING SYSTEM - INGENIUM I4 2.0L PETROL/INGENIUM I4 2.0L PETROL - PHEV

## STARTER MOTOR - INGENIUM I4 2.0L PETROL (G2416554)

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## REMOVAL

 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 Battery and Charging System - General Information, General Procedures).

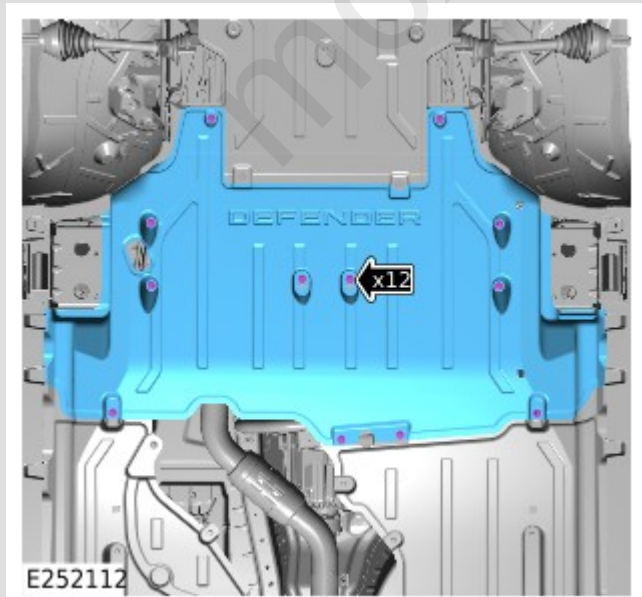
2. Raise and support the vehicle on a suitable 2 post lift.

Refer to: [Jacking and Lifting](#) (100-02 Jacking and Lifting, Description and Operation).

3. Remove the engine undershield.

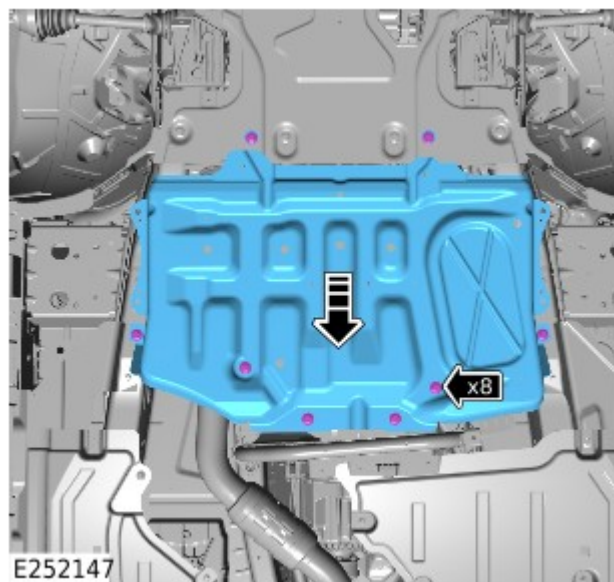
Refer to: [Engine Undershield](#) (501-02 Front End Body Panels, Removal and Installation).

- 4.



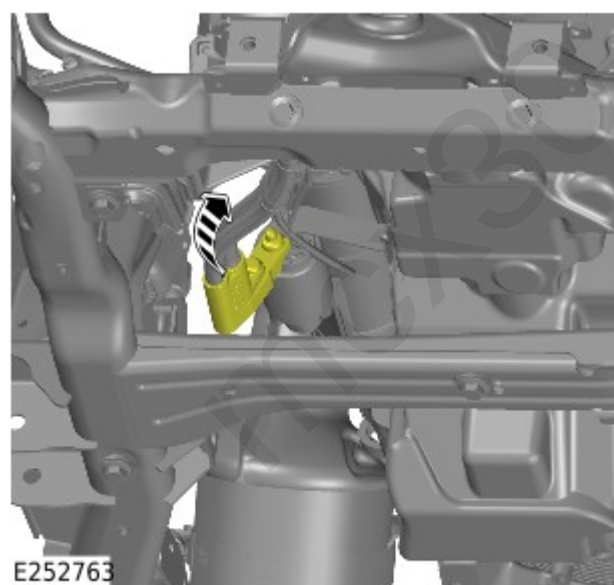
- Remove the 12 bolts.
- Remove the transmission undershield.

5.



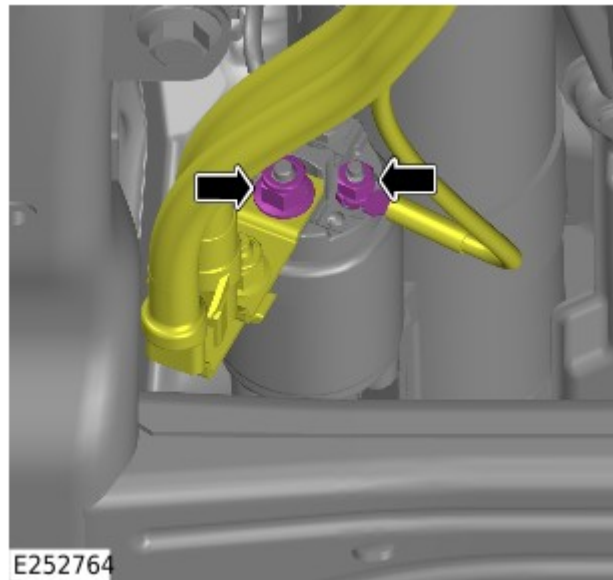
- Remove the 8 bolts.
- Remove the Noise, Vibration and Harshness (NVH) cover.

6.



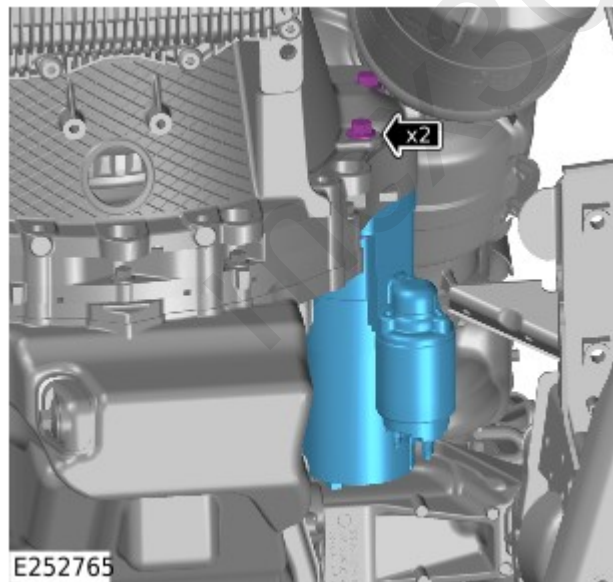
Release the battery positive cable protective cover.

7.



- Remove the startup battery positive cable nut.
- Disconnect the startup battery positive cable.
- Remove the starter motor solenoid positive cable nut.
- Disconnect the starter motor solenoid positive cable.

8.



- Remove the 2 bolts.
- Remove the starter motor.

## INSTALLATION

1.

- Install the starter motor.
- Install and tighten the 2 bolts.

*Torque: 48Nm*

2.

- Connect the starter motor solenoid positive cable.
- Connect the startup battery positive cable.
- Install and tighten the 2 nuts.

*Torque: 7Nm*

3.

Install the battery positive cable protective cover.

4.

- Install the NVH cover.
- Install and tighten the 8 bolts.

*Torque: 8Nm*

5.

- Install the transmission undershield.

*Torque*

M10: **60Nm**

M6: **10Nm**

6.

Install the engine undershield.

Refer to: [Engine Undershield](#) (501-02 Front End Body Panels, Removal and Installation).

7.

Connect the startup battery ground cable.

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