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2020.0 DEFENDER (LE), 310-01B

FUEL TANK AND LINES – INGENIUM I6 3.0L PETROL

FUEL TANK – 90 (G2520079)

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REMOVAL

**WARNING:**

- Make sure the fuel tank is suitably supported at all times.
- Be prepared to collect escaping fuel.

**CAUTION:**

Before disconnecting any components, make sure the area is clean and free from foreign material. When disconnected all openings must be sealed.

**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.

The following step(s) applies to:

All vehicles

1. Before working on the fuel system make sure to study the fuel system health and safety section of this manual.
Refer to: [Petrol and Petrol-Ethanol Fuel Systems Health and Safety Precautions](#) (100-00 General Information, Description and Operation).
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. Disconnect the startup battery ground cable.
Refer to: [Startup Battery Disconnect and Connect](#) (414-00 Battery and Charging System - General Information, General Procedures).
4. Drain the fuel tank.
Refer to: [Fuel Tank Draining](#) (310-00 Fuel System - General Information, General Procedures).

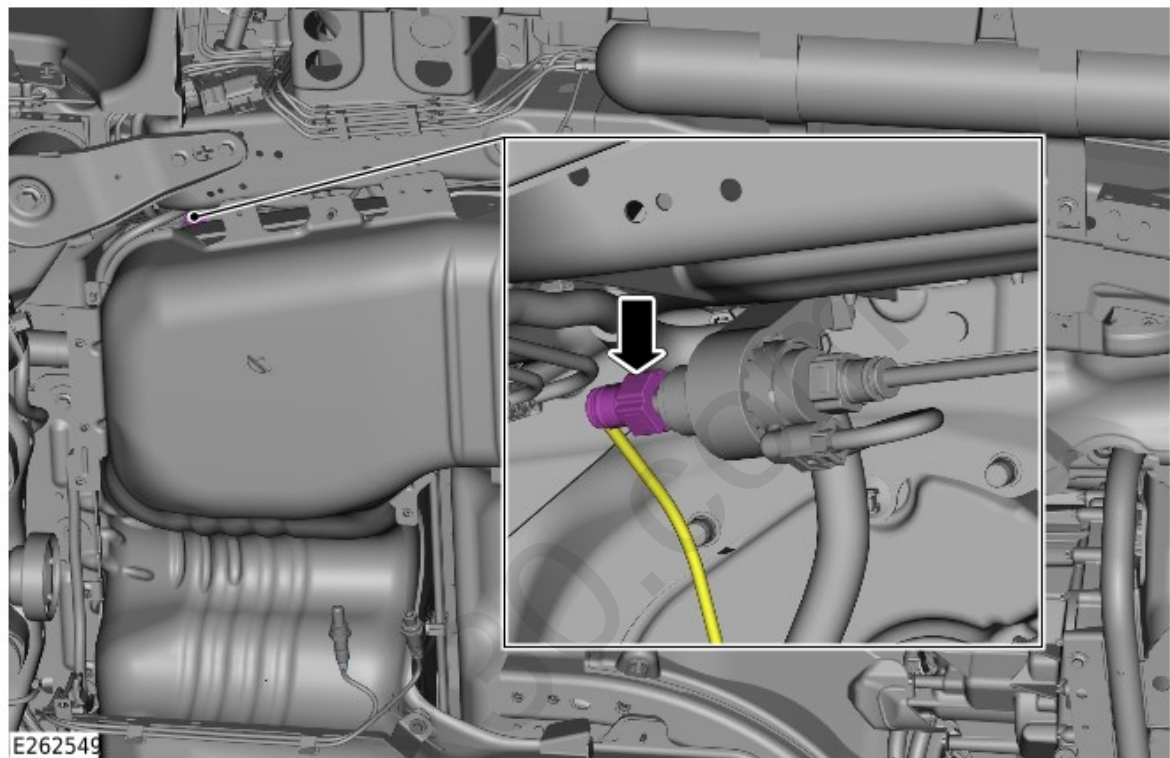
5. Remove the rear driveshaft.

Refer to: [Rear Driveshaft](#) (205-01 Driveshaft, Removal and Installation).

The following step(s) applies to:

Vehicles with fuel fired booster heater

- 6.

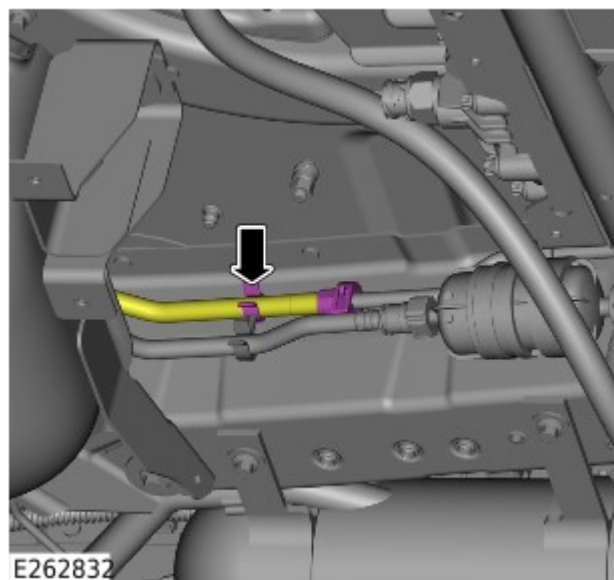


Disconnect the Fuel Fired Booster Heater (FFBH) line connector.

The following step(s) applies to:

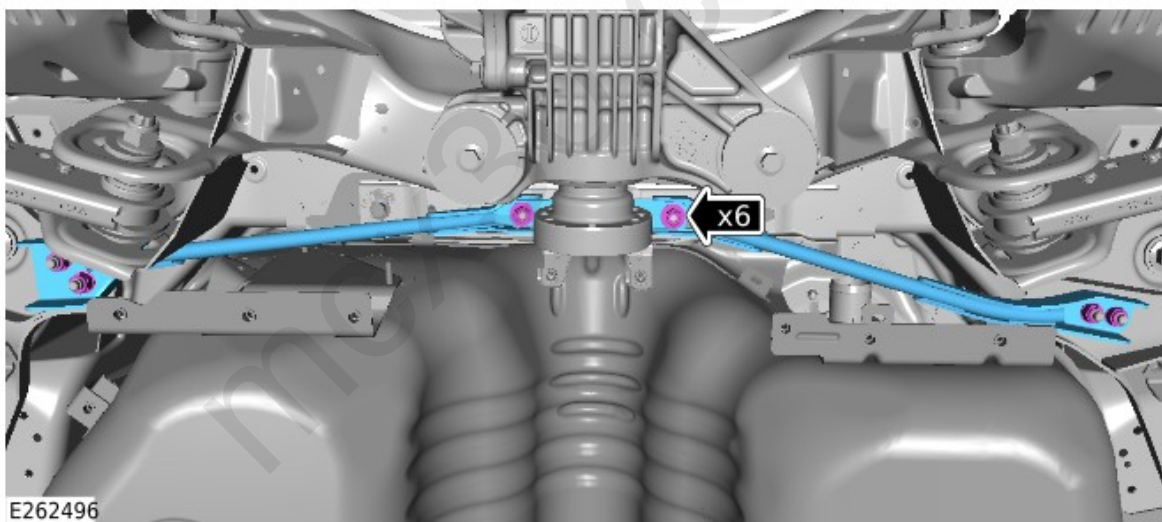
All vehicles

7.



- Disconnect the fuel tank line.
- Release the fuel line from the clip.

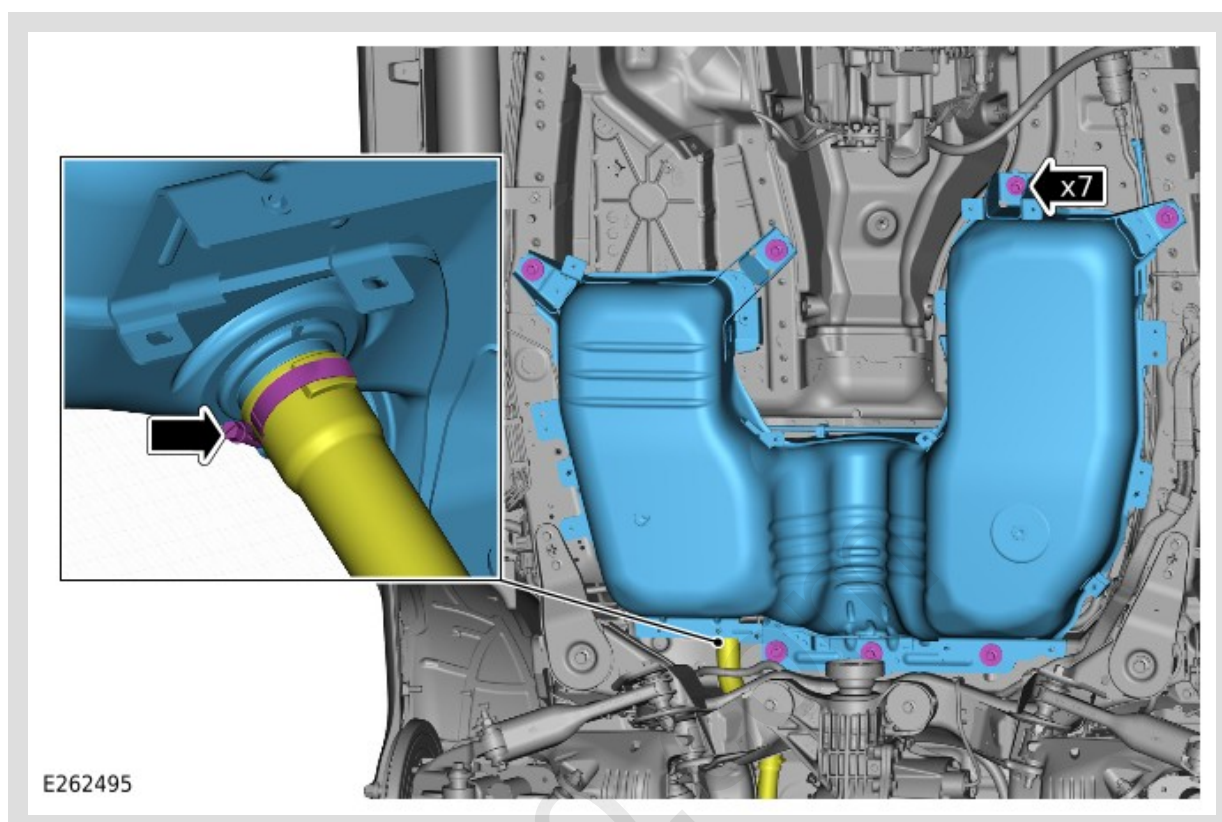
8.



- Remove the 6 nuts.
- Remove the 2 rear body braces.

⚠ WARNING:

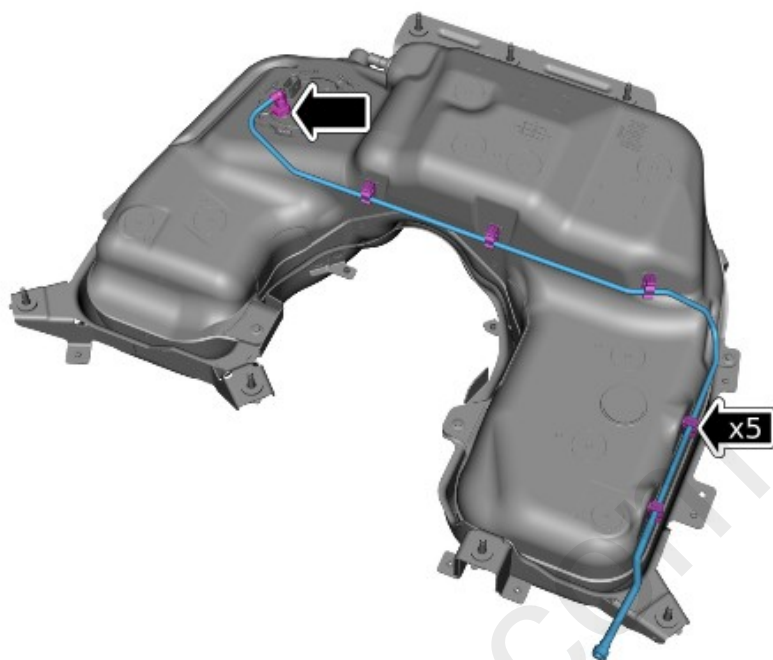
This step requires the aid of another technician.



- Release the fuel tank filler pipe clip.
- Release the fuel tank filler pipe from the fuel tank.
- Remove the 7 bolts.
- Remove the fuel tank.

 NOTE:

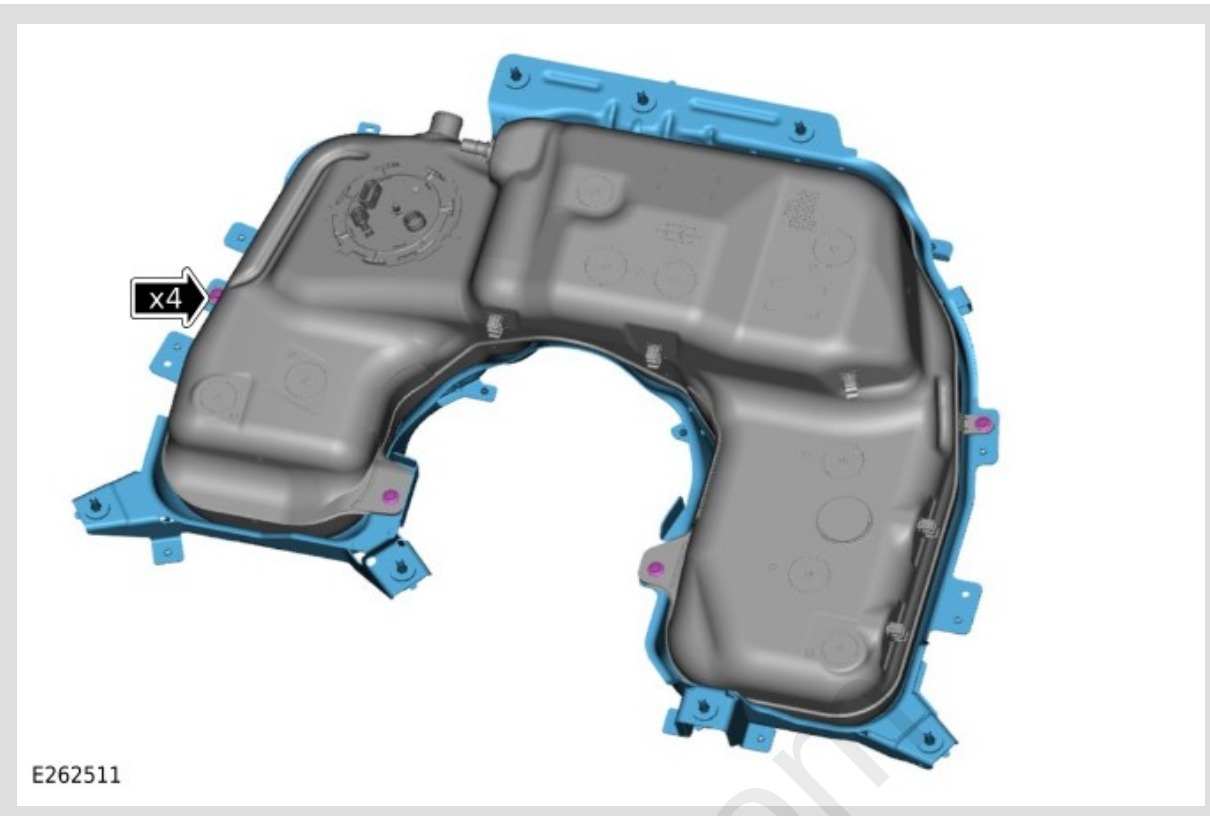
Do not disassemble further if the component is removed for access only.



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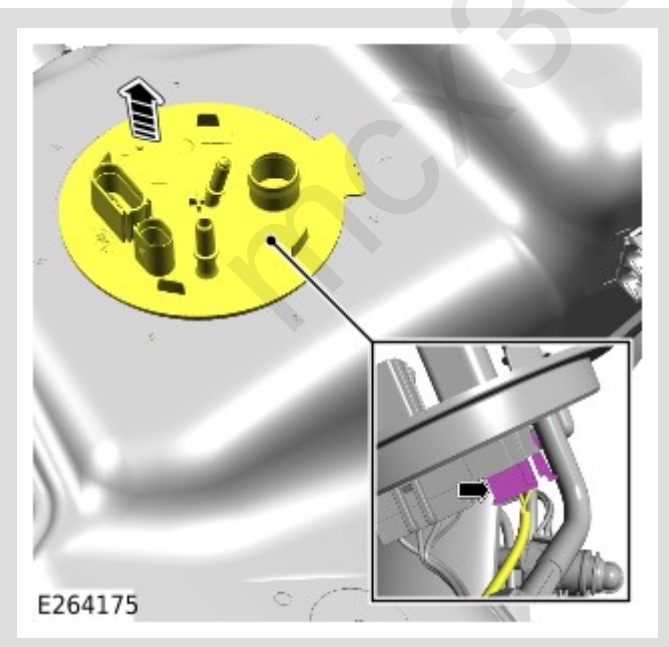
- Disconnect the fuel line.
- Release the fuel line from the 5 clips.
- Remove the fuel line.

11.



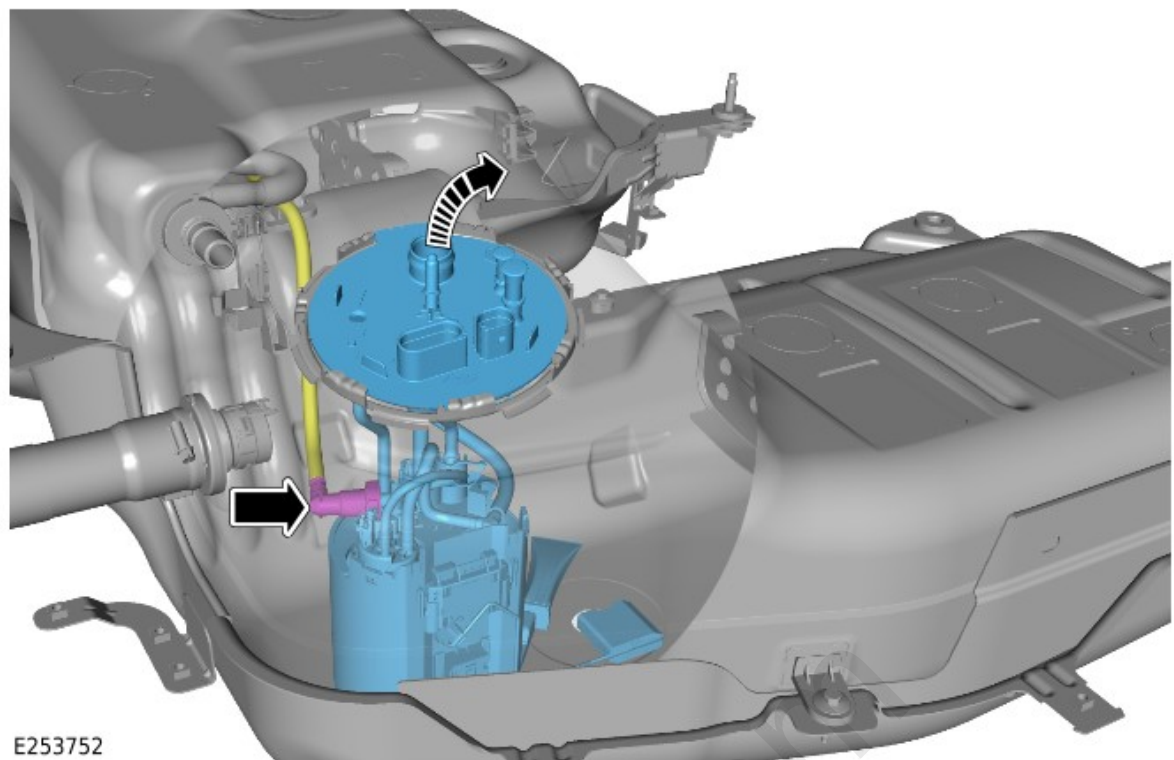
- Remove the 4 bolts.
- Remove the fuel tank heatshield

12.



- Reposition the fuel pump module to get access to the electrical connector.
- Disconnect the electrical connector.

13.



- Disconnect the fuel line from the fuel pump.
- Remove the fuel pump.

INSTALLATION

The following step(s) applies to:
All vehicles

1.

NOTE:

Steps 1-3 are only required if previously removed.

- Install the fuel pump.
- Connect the fuel line to the fuel pump.
- Connect the electrical connector.

2.

- Install the fuel tank heatshield.
- Install and tighten the 4 bolts.
Torque: 10Nm

3.

- Install the fuel line.
- Install the fuel line to the 5 clips.
- Connect the fuel line.

4.



WARNING:

This step requires the aid of another technician.

- Install the fuel tank.
- Install and tighten the 7 bolts.
Torque: 48Nm
- Install the fuel filler pipe to the fuel tank.
- Install and tighten the clip.
Torque: 3.5Nm

5.

- Install the 2 rear body braces.
- Install and tighten the 6 nuts.
Torque: 48Nm

6.

- Connect the fuel tank line.
- Install the fuel line to the clip.

The following step(s) applies to:

Vehicles with fuel fired booster heater

7.

Connect the FFBH line connector.

The following step(s) applies to:

All vehicles

8.

Install the rear driveshaft.

Refer to: [Rear Driveshaft](#) (205-01 Driveshaft, Removal and Installation).

9.

Fill the fuel tank.

Refer to: [Fuel Tank Draining](#) (310-00 Fuel System - General Information, General Procedures).

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. Bleed the fuel system.

Refer to: [Low-Pressure Fuel System Bleeding](#) (310-00 Fuel System - General Information, General Procedures).

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