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## 1990 FORD Thunderbird OEM Service and Repair Workshop Manual

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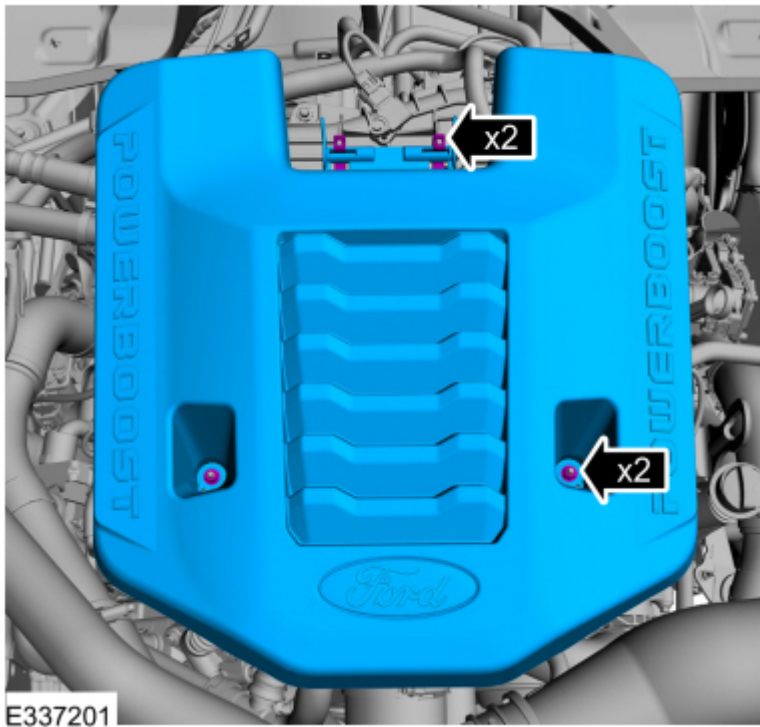
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## **Installation**

1. To install, reverse the removal procedure.

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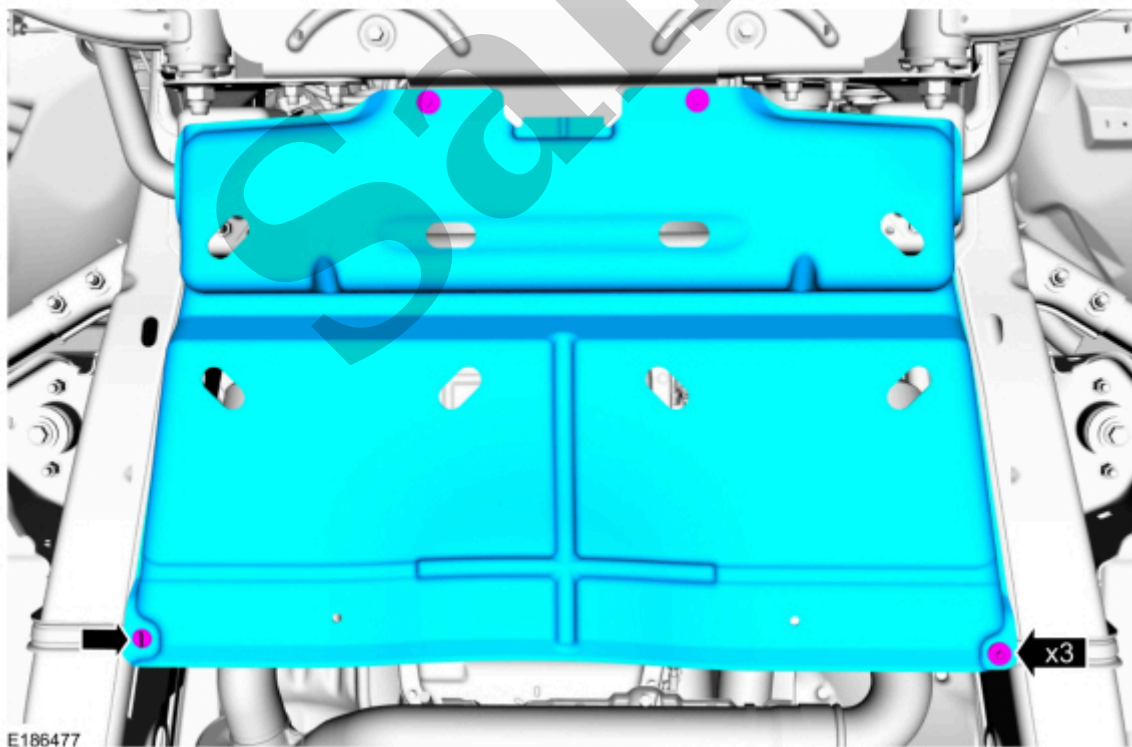
Sample



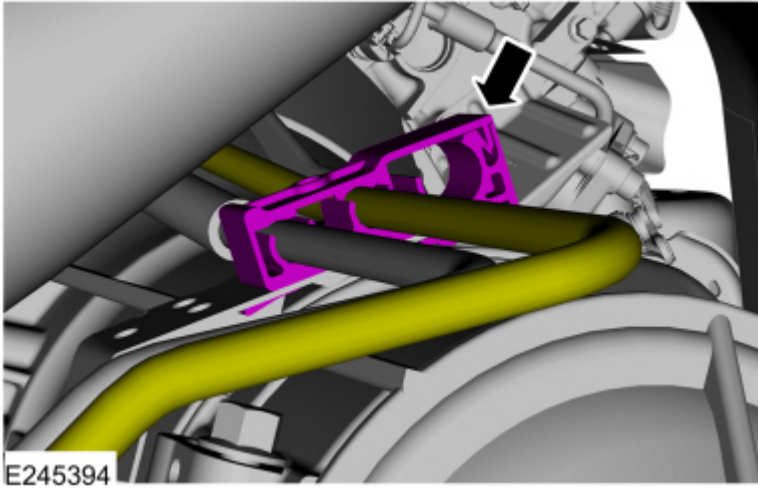
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5. • If equipped, remove bolts and the splash shield.

**Torque** : 53 lb.in (6 Nm)



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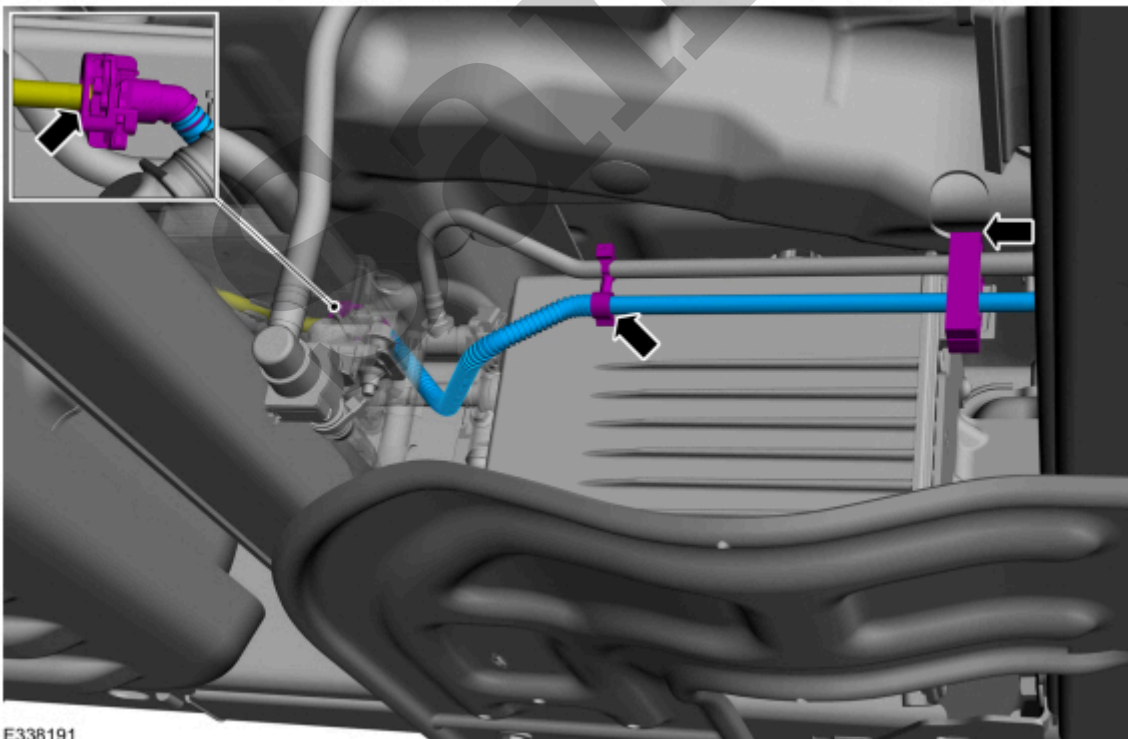


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8. • Disconnect the fuel supply line quick connect coupling.

Refer to: [Quick Release Coupling](#)(310-00D Fuel System - General Information - 3.5L V6 PowerBoost (CN), General Procedures).

- Release the retainer clips.
- Remove the fuel supply line from the underside of the vehicle.



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## Fuel Pump and Sender Unit

|  |   |
|--|---|
| <b>310-01D Fuel Tank and Lines - 3.5L V6 PowerBoost (CN)</b> | <b>2022 F-150</b>                         |
| <b>Removal and Installation</b>                              | <b>Procedure revision date: 10/1/2020</b> |

### Fuel Pump and Sender Unit

#### Removal

##### NOTE

Removal steps in this procedure may contain installation steps.

1. Remove the Fuel Tank.

Refer to: [Fuel Tank](#)(310-01D Fuel Tank and Lines - 3.5L V6 PowerBoost (CN), Removal and Installation).

2. **NOTE**

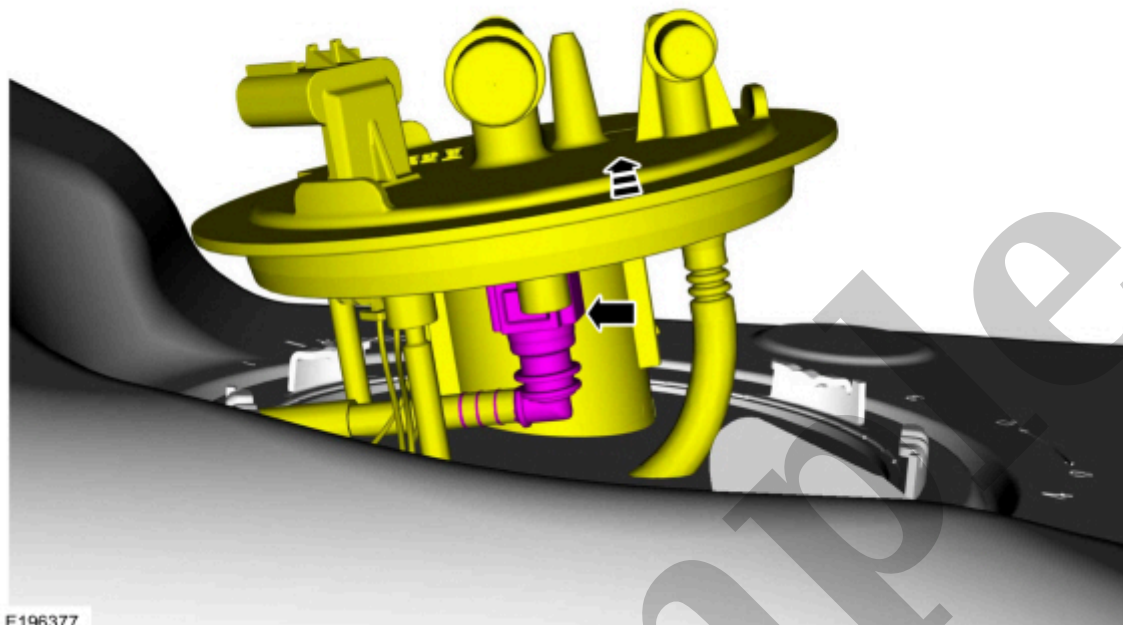
To avoid introducing contamination into the fuel tank use compressed air to clean the Fuel Pump and Sender Unit connections, couplings, flange surfaces and the immediate surrounding area of any dirt or foreign material.

Disconnect the fuel supply and fuel vapor tubes.

Refer to: [Quick Release Coupling](#)(310-00D Fuel System - General Information - 3.5L V6 PowerBoost (CN), General Procedures).

4. Lift the Fuel Pump and Sender unit slightly and disconnect the vent line.

Refer to: [Quick Release Coupling](#)(310-00D Fuel System - General Information - 3.5L V6 PowerBoost (CN), General Procedures).



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5. **NOTE**

Remove and discard the Fuel Pump Module O-ring seal.

**NOTE**

Some residual fuel may remain in the Fuel Pump and Sender Unit. Carefully drain into a suitable container.

**NOTE**

The Fuel Pump and Sender Unit must be handled carefully to avoid damage to the float arm and filter.

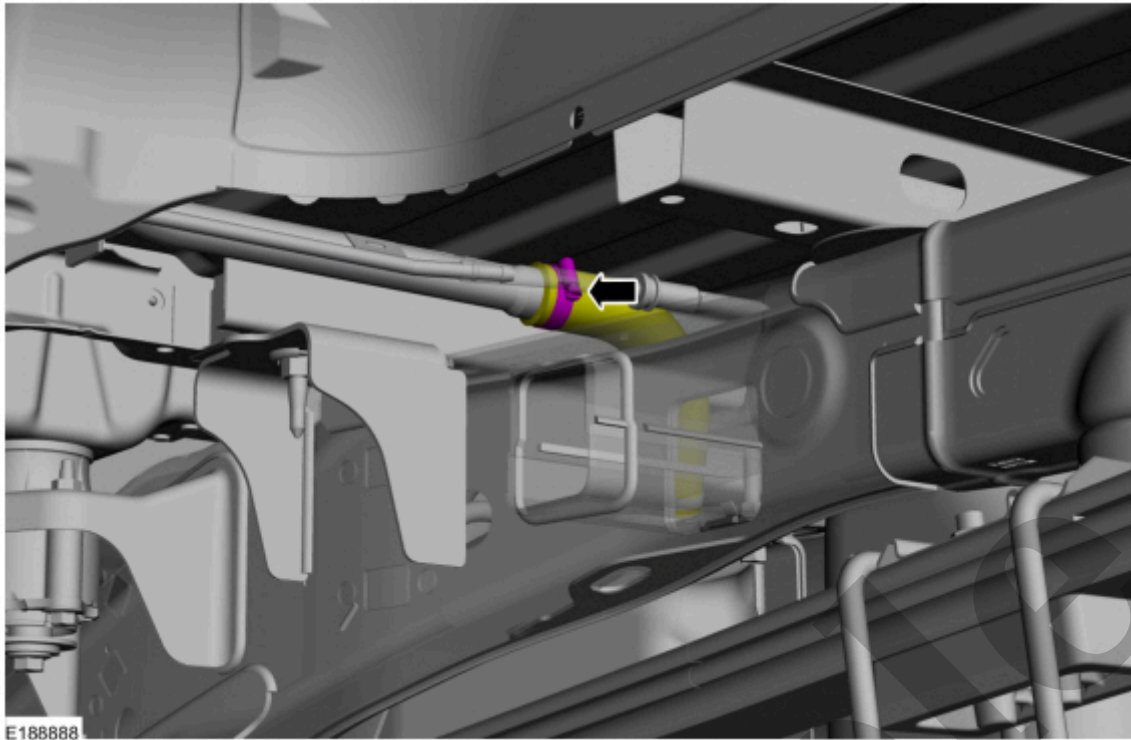
**NOTE**

Make sure the alignment tabs on the Fuel Pump and Sender Unit and the fuel tank meet prior to tightening the Fuel Pump and Sender Unit lock ring.

To install, reverse the removal procedure.

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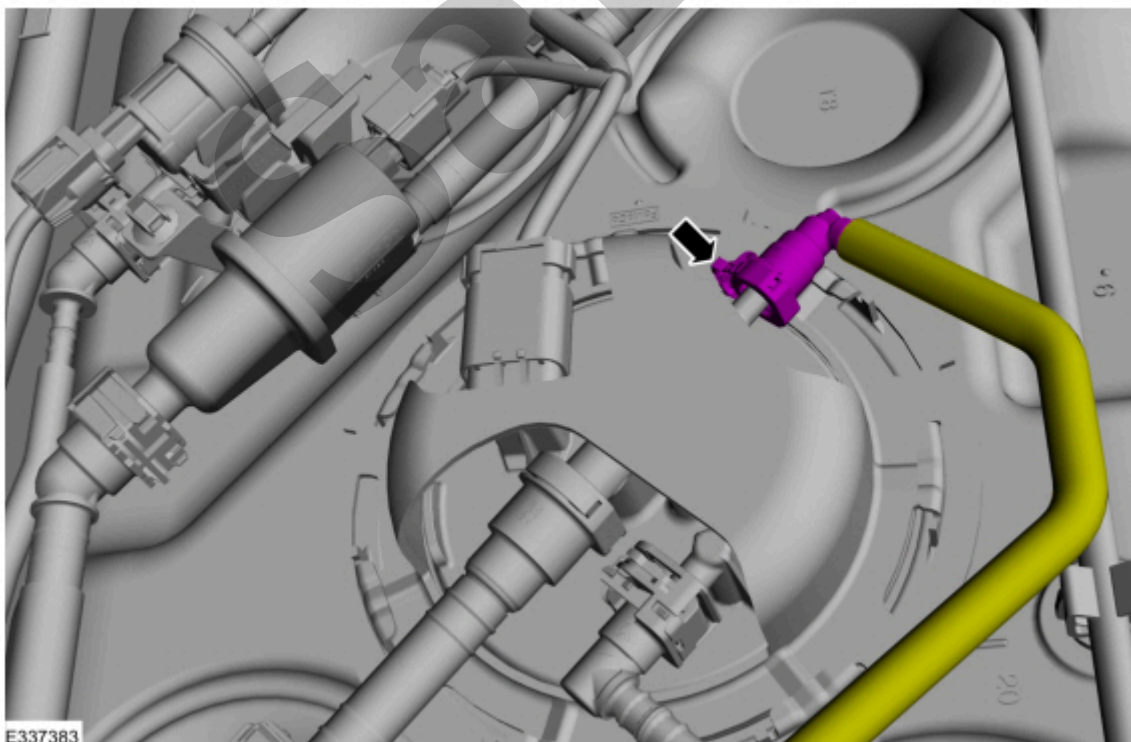
Sample



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4. Disconnect the fuel tank filler pipe vapor tube quick release coupling.

Refer to: [Quick Release Coupling](#)(310-00D Fuel System - General Information - 3.5L V6 PowerBoost (CN), General Procedures).







# Fuel Tank

|  |   |
|--|---|
| <b>310-01D Fuel Tank and Lines - 3.5L V6 PowerBoost (CN)</b> | <b>2022 F-150</b>                         |
| <b>Removal and Installation</b>                              | <b>Procedure revision date: 10/1/2020</b> |

## Fuel Tank

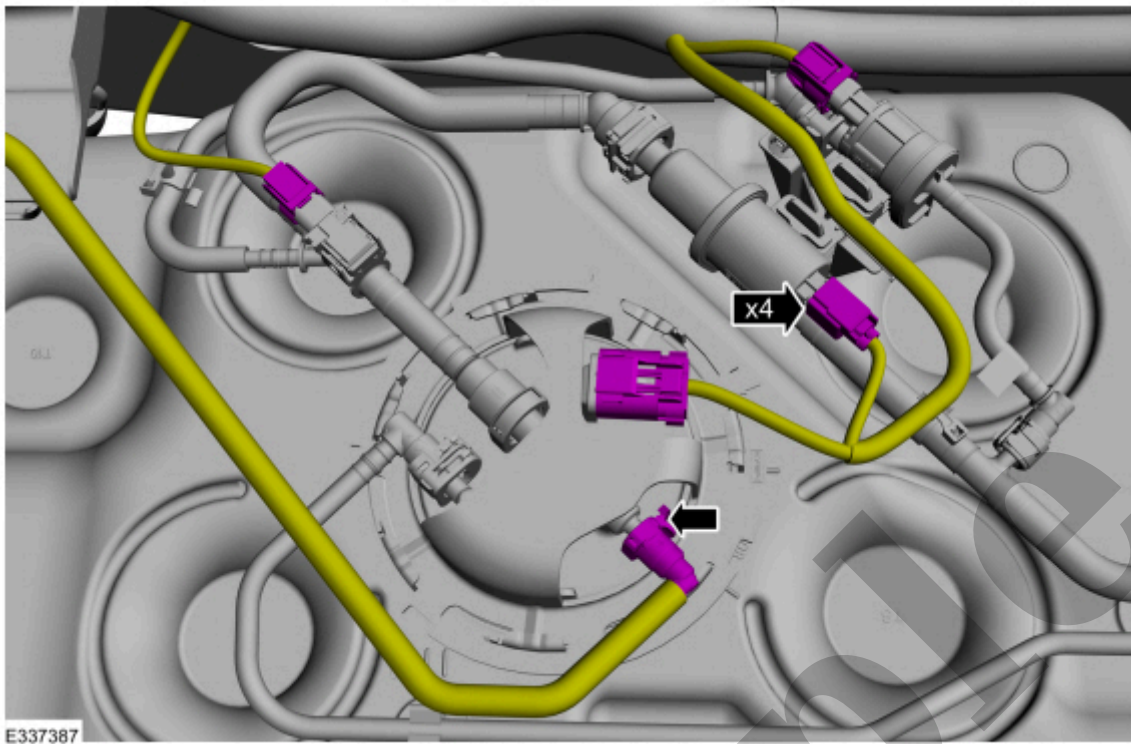
### Removal

#### NOTE

Removal steps in this procedure may contain installation steps.

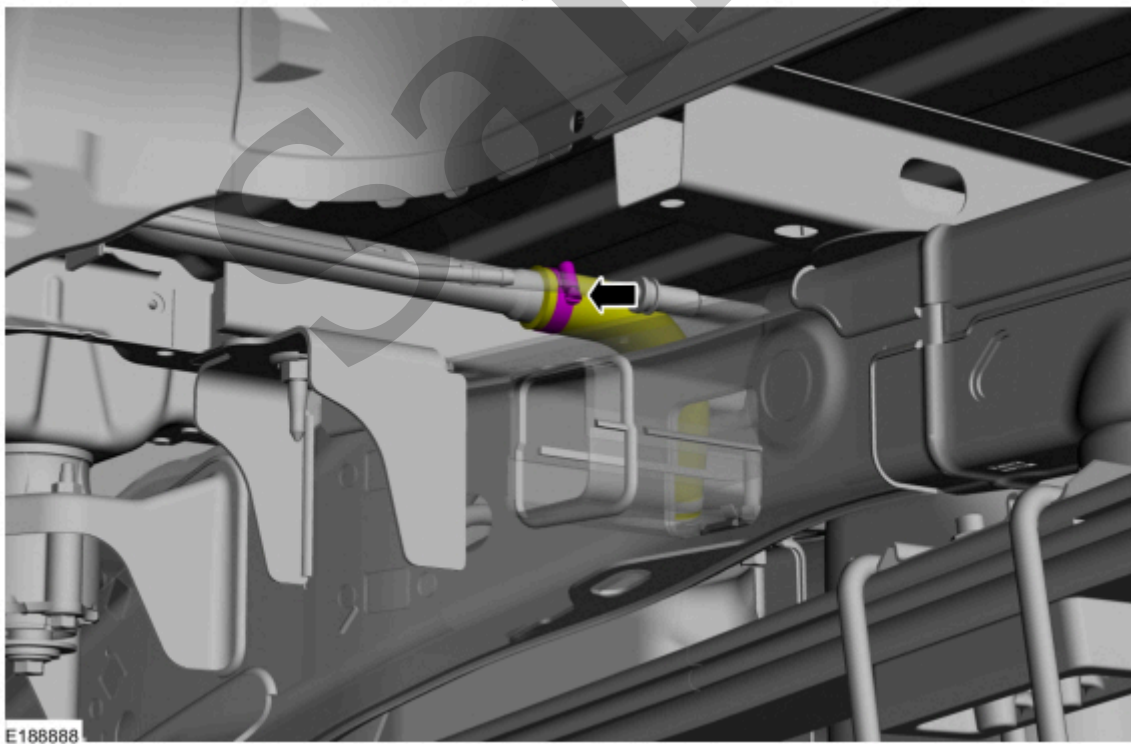
1. With the vehicle in NEUTRAL, position it on a hoist.  
  
Refer to: [Jacking and Lifting - Overview](#)(100-02 Jacking and Lifting, Description and Operation).
2. Release the fuel system pressure.  
  
Refer to: [Fuel System Pressure Release](#)(310-00E Fuel System - General Information - 5.0L 32V Ti-VCT, General Procedures).
3. If equipped, remove the nuts and the skid plate.  
  
**Torque** : 177 lb.in (20 Nm)

- Disconnect the electrical connectors and release the harness retainer clip.



[Click here to learn about symbols, color coding, and icons used in this manual.](#)

6. Remove the clamp and position aside the fuel filler pipe.



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