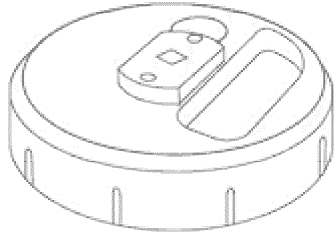


Fuel Pump Module 19.45.08

Special Service tools




310-072A


Remove/Install fuel pump/transfer pump locking ring
310-072A

Removal

All vehicles

1.  **WARNING:**
DO NOT SMOKE OR CARRY LIGHTED TOBACCO OR OPEN FLAME OF ANY TYPE WHEN WORKING ON OR NEAR ANY FUEL RELATED COMPONENTS. HIGHLY FLAMMABLE VAPORS ARE ALWAYS PRESENT AND MAY IGNITE. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY.

 **WARNING:**
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 **WARNING:**
THIS PROCEDURE INVOLVES FUEL HANDLING. BE PREPARED FOR FUEL SPILLAGE AT ALL TIMES AND ALWAYS OBSERVE FUEL HANDLING PRECAUTIONS. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY.

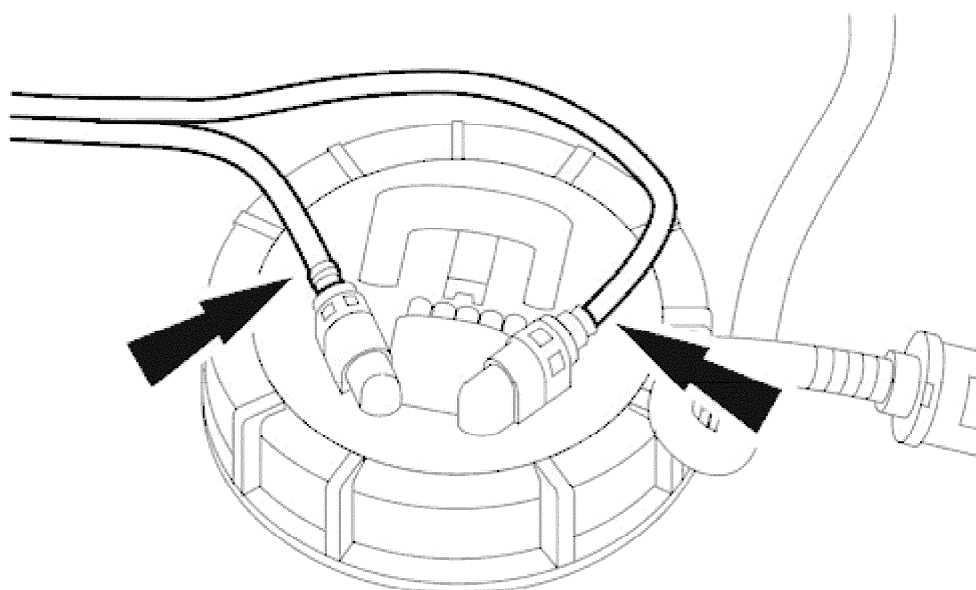
Disconnect the battery ground cable. For additional information, refer to <<414-01>> .

Vehicles with 2.5L or 3.0L engine


2. Remove the fuel transfer pump. For additional information, refer to <<Fuel Transfer Pump>> .

Vehicles with 2.0L engine

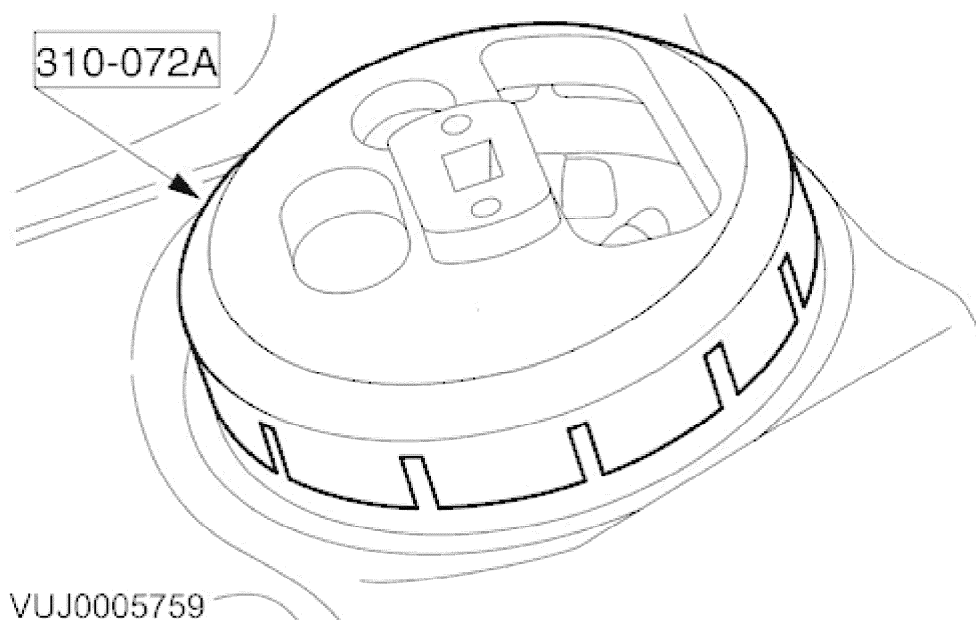
3. Remove the fuel tank. <<Fuel Tank>>



VUJ0005763

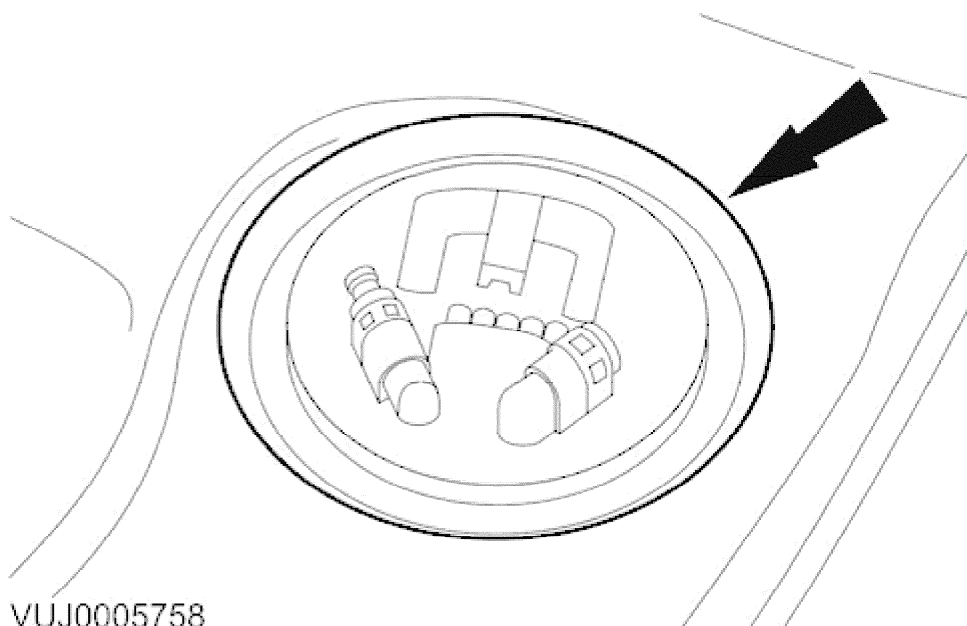
4.  **CAUTION:**
Ensure the fuel pipe retaining tabs are pushed towards the fuel pump module connections before attempting to remove the fuel pipes, failure to follow the procedure may result in damage to the vehicle.

Disconnect the fuel lines.



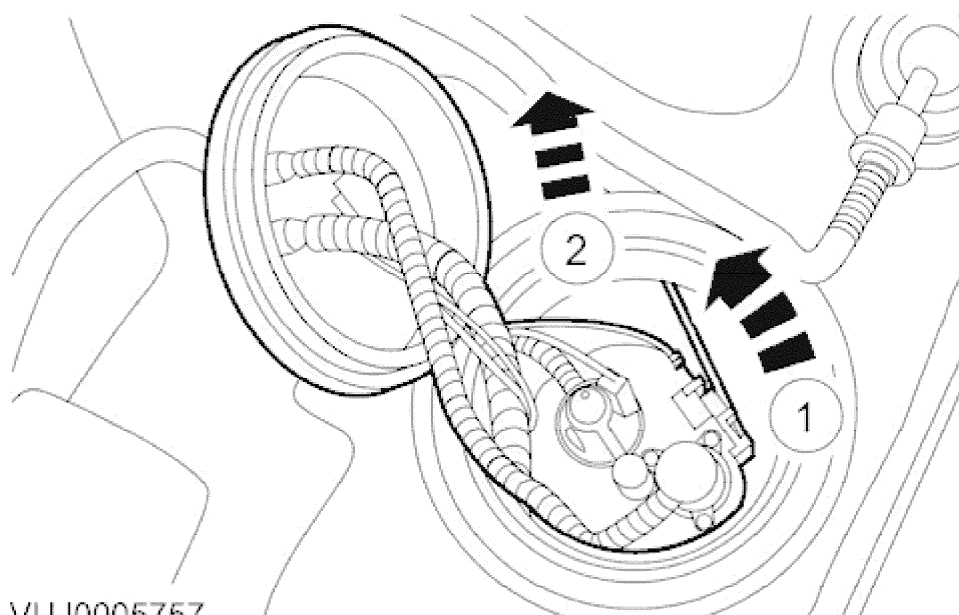
VUJ0005759

5. Using the special tool, remove the locking ring.



VUJ0005758

6. Detach the top of the fuel pump module.



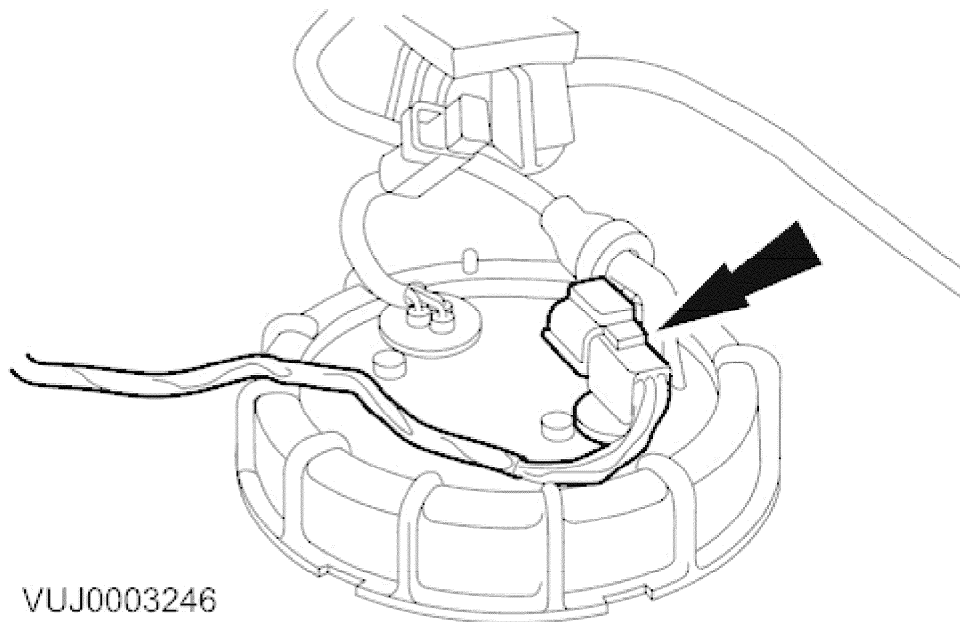
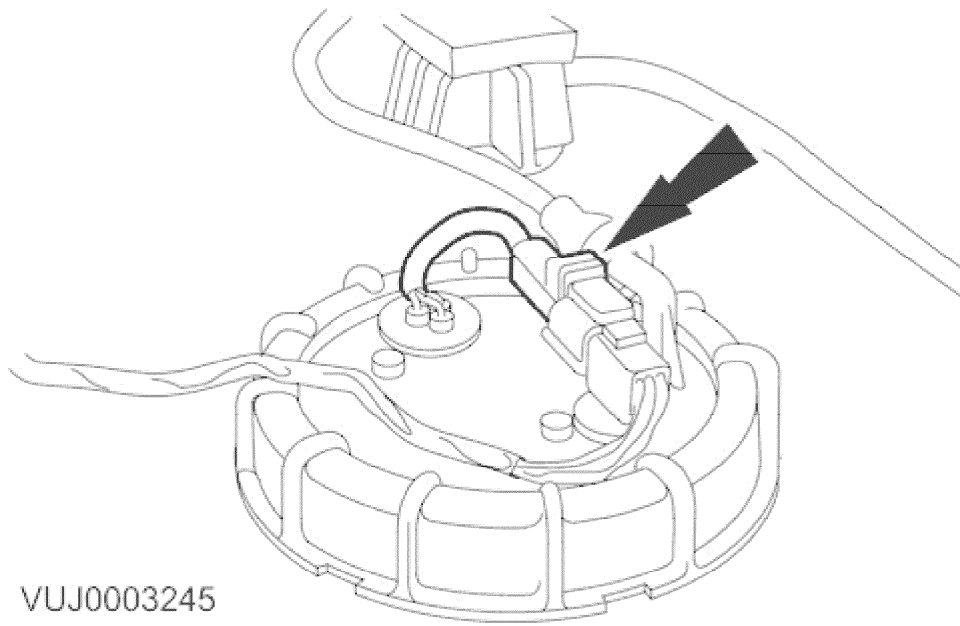
VUJ0005757

7.  **CAUTION:**
Make sure the float or arm are not damaged while removing the fuel pump module.

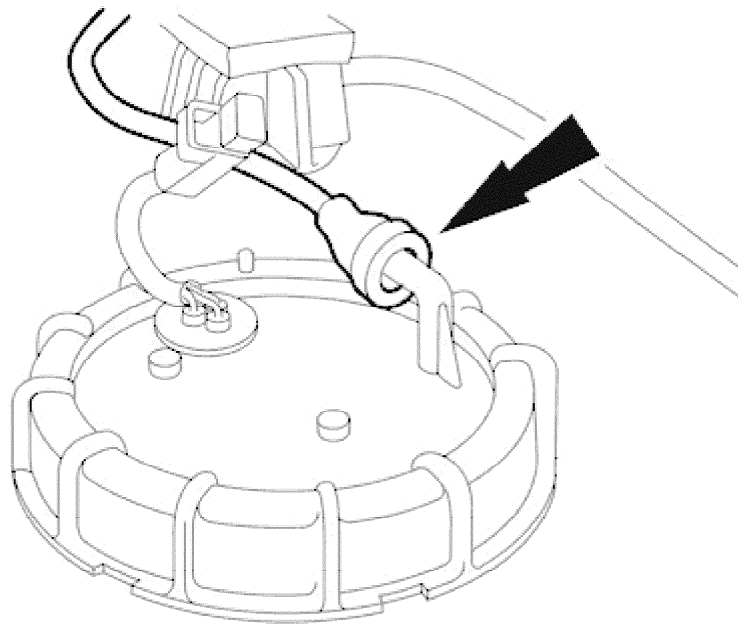
- Remove the fuel pump module.
1. Rotate the lower part of the fuel pump module.
 2. Remove the fuel pump module.
- Remove and discard the seal.

Vehicles with 2.5L or 3.0L engine

2003 X-TYPE - Fuel Tank and Lines - 310-01

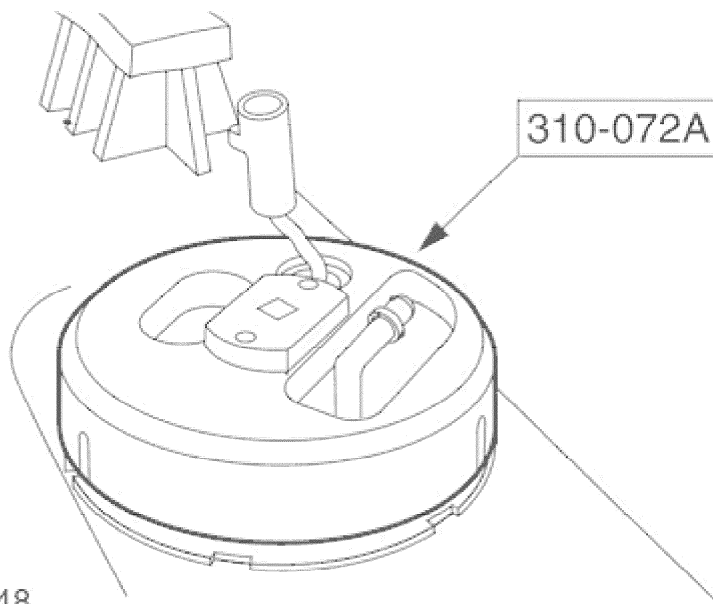


2003 X-TYPE - Fuel Tank and Lines - 310-01



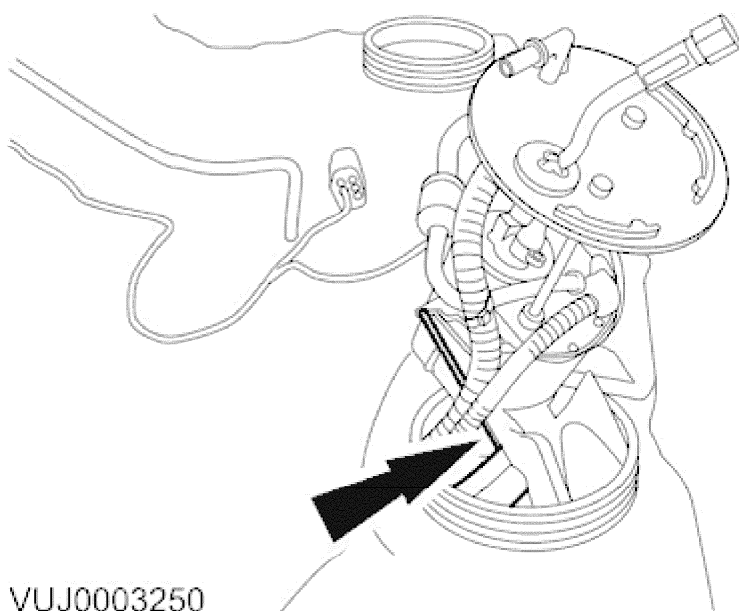
VUJ0003247

10. Disconnect the fuel supply pipe.



VUJ0003248

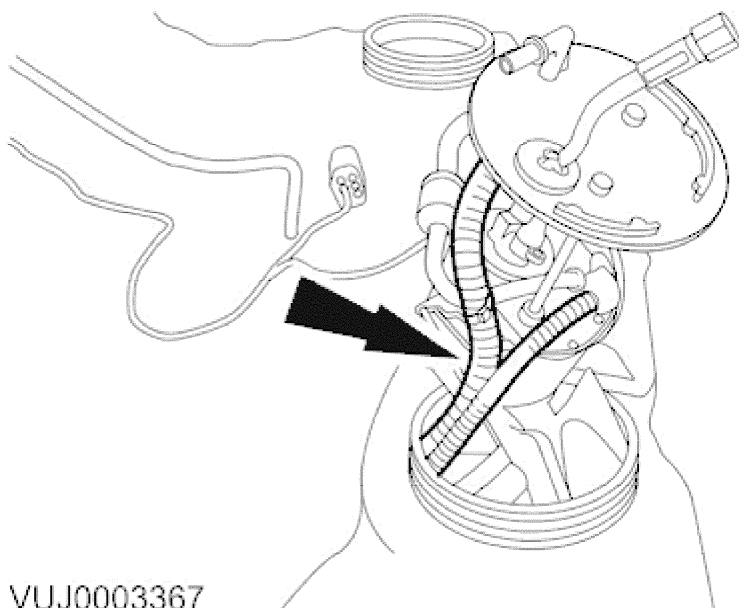
11. Using the special tool, remove the locking ring.



VUJ0003250

12.  **CAUTION:**
Make sure the float or arm are not damaged while removing the fuel pump module.

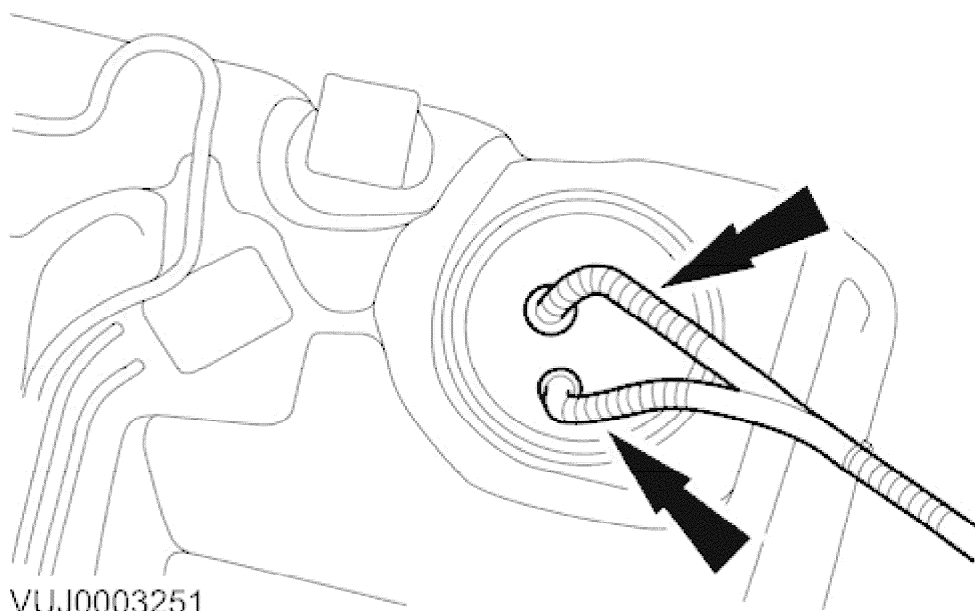
Guide the fuel pump module through the aperture.



VUJ0003367

13.  **CAUTION:**
Make sure damage to the fuel cross over pipes does not occur.

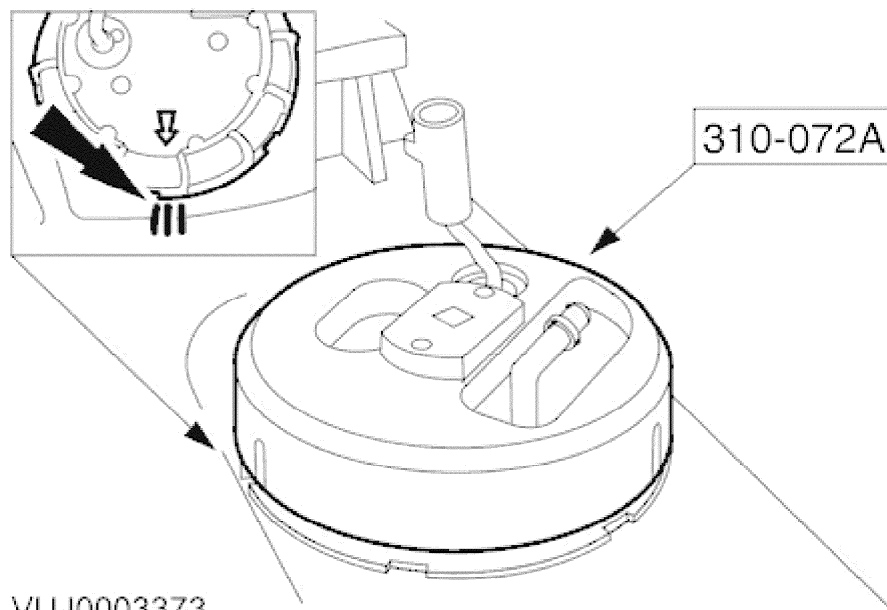
Guide the cross over pipes through the aperture.





14. Remove the fuel pump module and cross over pipes.
 - Remove and discard the O-ring seal.

- 15.

Installation



1.  **WARNING:**
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-  **WARNING:**
DO NOT CARRY OR OPERATE CELLULAR PHONES WHEN WORKING ON OR NEAR ANY FUEL

2003 X-TYPE - Fuel Tank and Lines - 310-01

RELATED COMPONENTS. HIGHLY FLAMMABLE VAPORS ARE ALWAYS PRESENT AND MAY IGNITE. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY.



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CAUTION:

Make sure the float or arm are not damaged while installing the fuel pump module.



CAUTION:

Make sure damage to the fuel cross over pipes does not occur.

NOTE:

Make sure the fuel pump module is correctly aligned.

NOTE:

2.5L and 3.0L shown, 2.0L similar.

To install, reverse the removal procedure.

- Install a new seal.
- Tighten to 70 Nm (2.5L and 3.0L vehicles).
- Tighten to 85 Nm (2.0L vehicles only).