

2015.0 F-TYPE (X152), 310-00

FUEL SYSTEM - GENERAL INFORMATION

SPECIFICATIONS

General Specifications

ITEM	SPECIFICATION
Fuel tank gross capacity - all vehicles	72 liters
Fuel tank capacity	70 (useable) / 2 (unusable)

2015.0 F-TYPE (X152), 310-00

FUEL SYSTEM - GENERAL INFORMATION

FUEL SYSTEM PRESSURE RELEASE (G1580325)

GENERAL PROCEDURES

19.50.02

FUEL SYSTEM
-
DEPRESSURISE

ALL
DERIVATIVES

0.1

USED
WITHINS

DRAINING

1. Remove the fuel pump fuse.
2. Remove the fuel filler cap.

3. **⚠ CAUTION:**

When depressurising the fuel system, make sure that there is no throttle input. Failure to follow this instruction may cause damage to the vehicle.

Start the engine and allow it to idle until the engine stalls.

4. Crank the engine for approximately five seconds to make sure that the fuel rail pressure is released.

FILLING

1.

 **NOTE:**

Make sure all repairs have been carried out before proceeding to the following steps.

Install the fuel pump fuse.

2. Install the fuel filler cap.
3. Read and clear stored DTC fault codes.

2015.0 F-TYPE (X152), 310-00

FUEL SYSTEM - GENERAL INFORMATION

FUEL TANK DRAINING (G1716252)

GENERAL PROCEDURES

19.55.02	FUEL TANK - DRAIN	CABRIOLET, NON NAS	1.3	USED WITHINS	
19.55.02	FUEL TANK - DRAIN	COUPE, NAS	1.7	USED WITHINS	
19.55.02	FUEL TANK - DRAIN	COUPE, NON NAS	1.7	USED WITHINS	

ACTIVATION



WARNINGS:

- Place the vehicle in a well ventilated, quarantined area and arrange ' No Smoking/Petrol Fumes' signs about the vehicle.
- Do not carry or operate cellular phones 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.
- 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.
- The spilling of fuel is unavoidable during this operation. Ensure that all necessary precautions are taken to prevent fire and explosion.



CAUTION:

Before disconnecting or removing components, ensure the area around the joint faces and connections are clean. Plug open connections to prevent contamination.

1. Refer to: [Petrol and Petrol-Ethanol Fuel Systems Health and Safety Precautions](#) (100-00 General Information, Description and Operation).
2. Refer to: [Fuel System Pressure Release](#) (310-00 Fuel System - General Information, General Procedures).
3. Refer to: [Battery Disconnect and Connect](#) (414-01 Battery, Mounting and Cables, General Procedures).

4. Refer to: [In-Tank Fuel Filter - Folding Top](#) (310-01A Fuel Tank and Lines - V6 S/C 3.0L Petrol, Removal and Installation).
Refer to: [In-Tank Fuel Filter - Coupe](#) (310-01A Fuel Tank and Lines - V6 S/C 3.0L Petrol, Removal and Installation).
Refer to: [In-Tank Fuel Filter - Folding Top](#) (310-01B Fuel Tank and Lines - V8 S/C 5.0L Petrol, Removal and Installation).
Refer to: [In-Tank Fuel Filter - Coupe](#) (310-01B Fuel Tank and Lines - V8 S/C 5.0L Petrol, Removal and Installation).

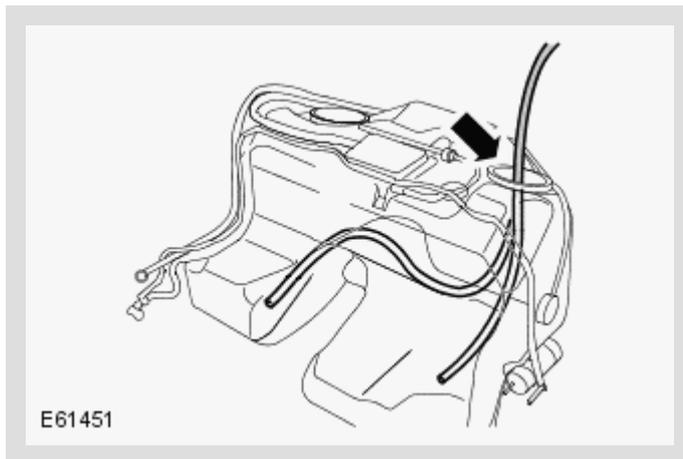
5. **⚠ CAUTION:**

Follow the manufacturer's instructions

Connect the fuel tank drain equipment ground cable to the vehicle.

6. **⚠ CAUTION:**

Take extra care not to damage the fuel tank level sensor float and arm.



Insert the fuel tank drain equipment hose into the fuel tank.
Make sure to drain both sides of the fuel tank.

2015.0 F-TYPE (X152), 310-01

FUEL TANK AND LINES - V8 S/C 5.0L PETROL

IN-TANK FUEL FILTER - FOLDING TOP (G1578895)

REMOVAL AND INSTALLATION

19.25.08	FUEL TANK FILTER - RENEW	CABRIOLET, NON NAS	1.7	USED WITHINS
19.25.08	FUEL TANK FILTER - RENEW	COUPE, NAS	2.2	USED WITHINS
19.25.08	FUEL TANK FILTER - RENEW	COUPE, NON NAS	2.1	USED WITHINS

REMOVAL

NOTES:

- Removal steps in this procedure may contain installation details.
- Some components shown removed for clarity.
- Some variation in the illustrations may occur, but the essential information is always correct.

Refer to: [Petrol and Petrol-Ethanol Fuel Systems Health and Safety Precautions](#) (100-00 General Information, Description and Operation).

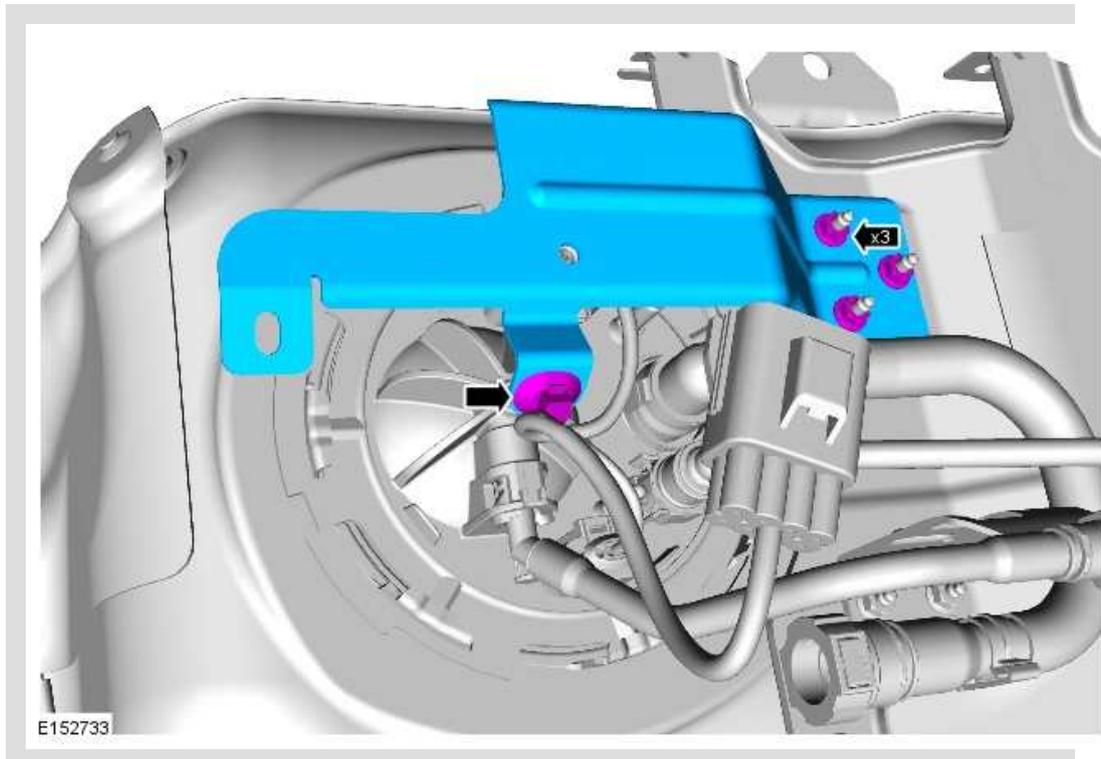
2. Refer to: [Fuel System Pressure Release](#) (310-00 Fuel System - General Information, General Procedures).

3. Disconnect the battery ground cable.
Refer to: [Battery Disconnect and Connect](#) (414-01 Battery, Mounting and Cables, General Procedures).

4. Refer to: [Evaporative Emission Canister - Folding Top](#) (303-13A Evaporative Emissions - V6 S/C 3.0L Petrol, Removal and Installation).

Refer to: [Evaporative Emission Canister - Folding Top](#) (303-13B Evaporative Emissions - V8 S/C 5.0L Petrol, Removal and Installation).

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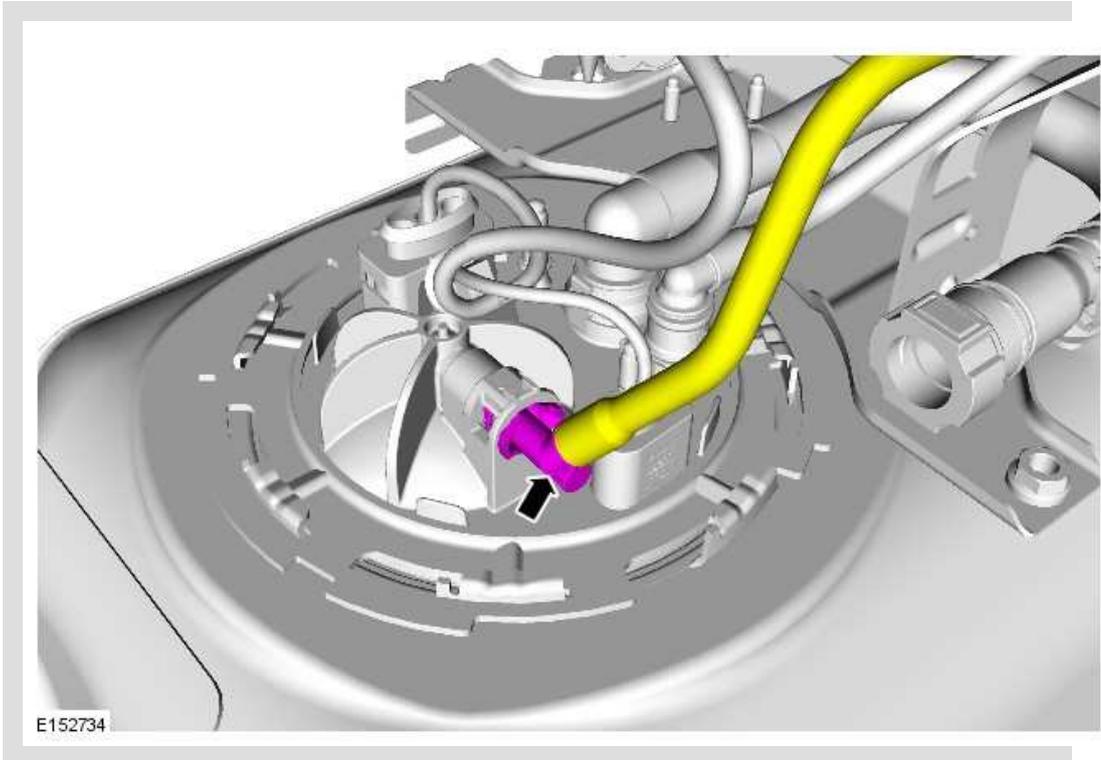


Torque: 9 Nm

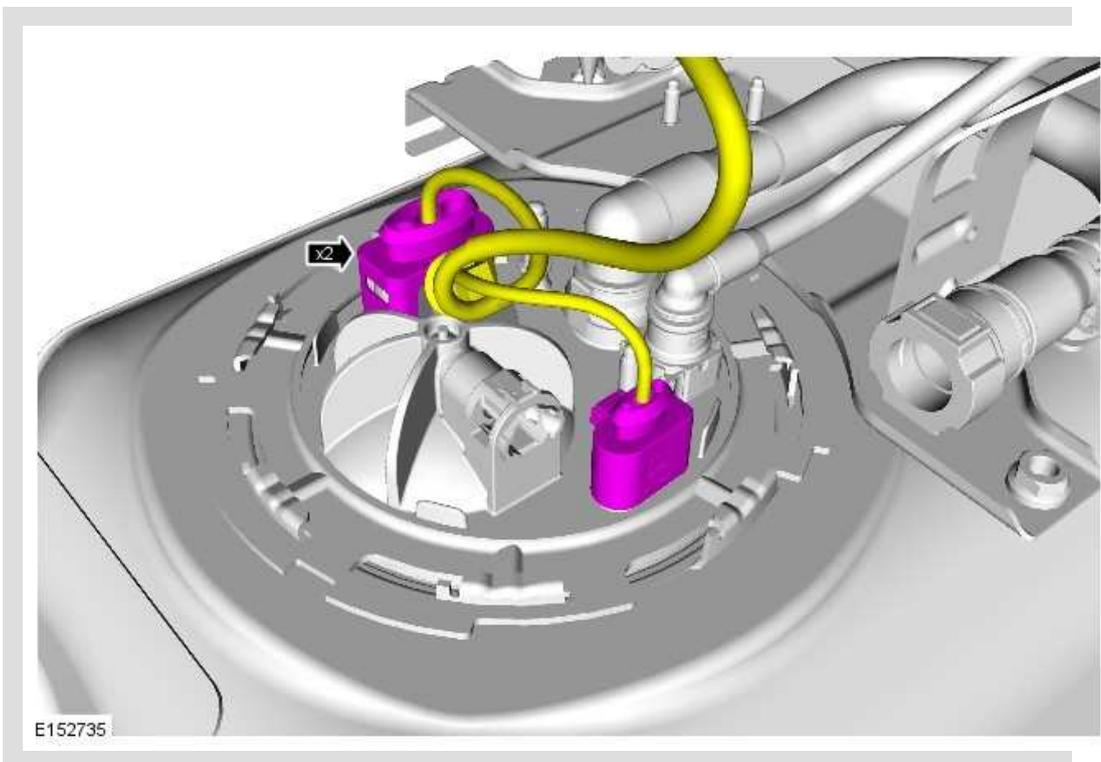
ⓘ CAUTION:

Before disconnecting or removing components, ensure the area around the joint faces and connections are clean. Plug open connections to prevent contamination.

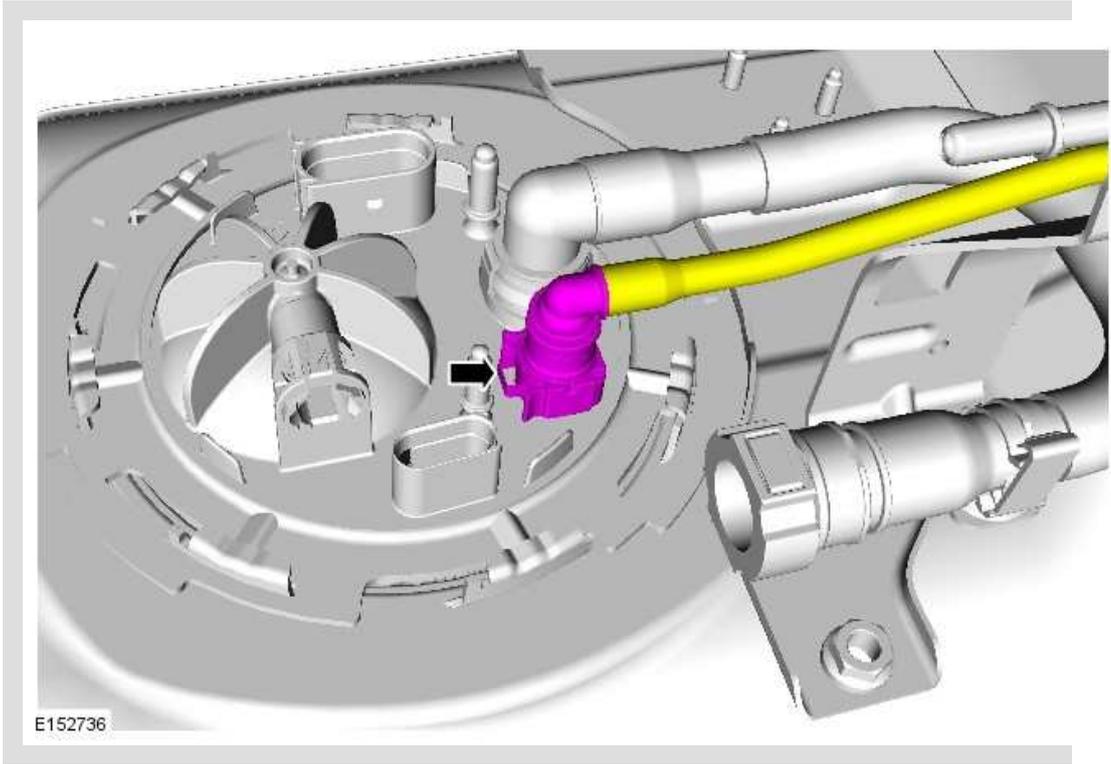
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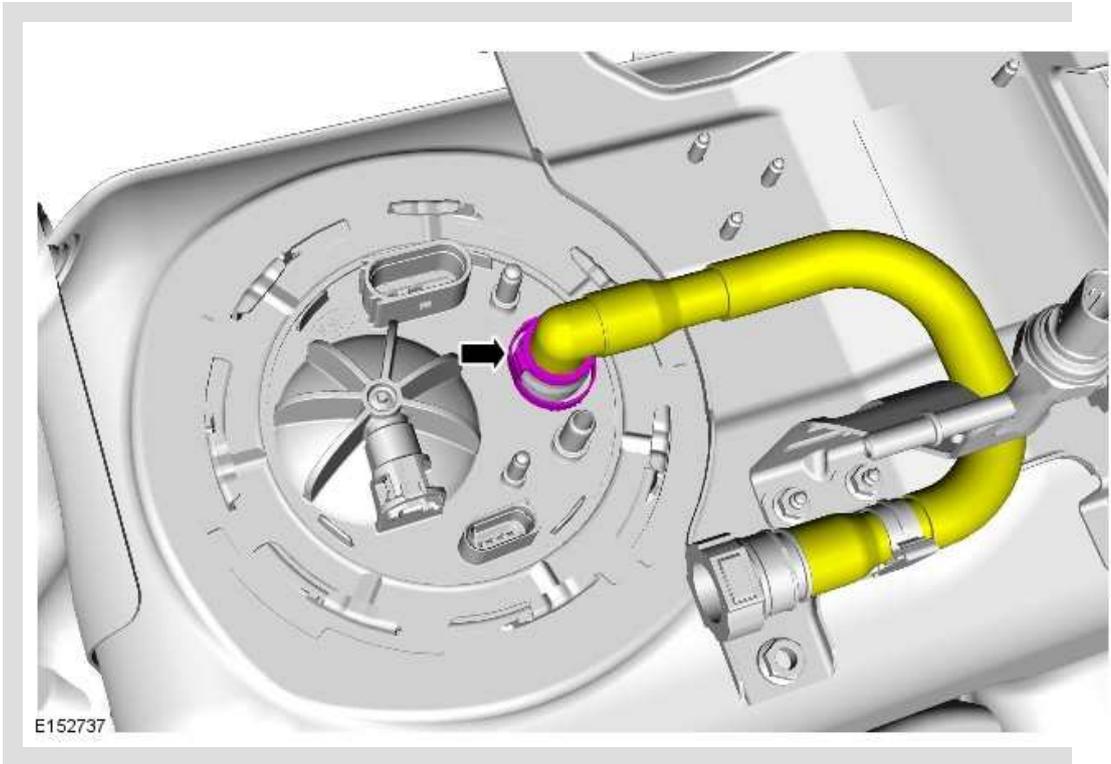
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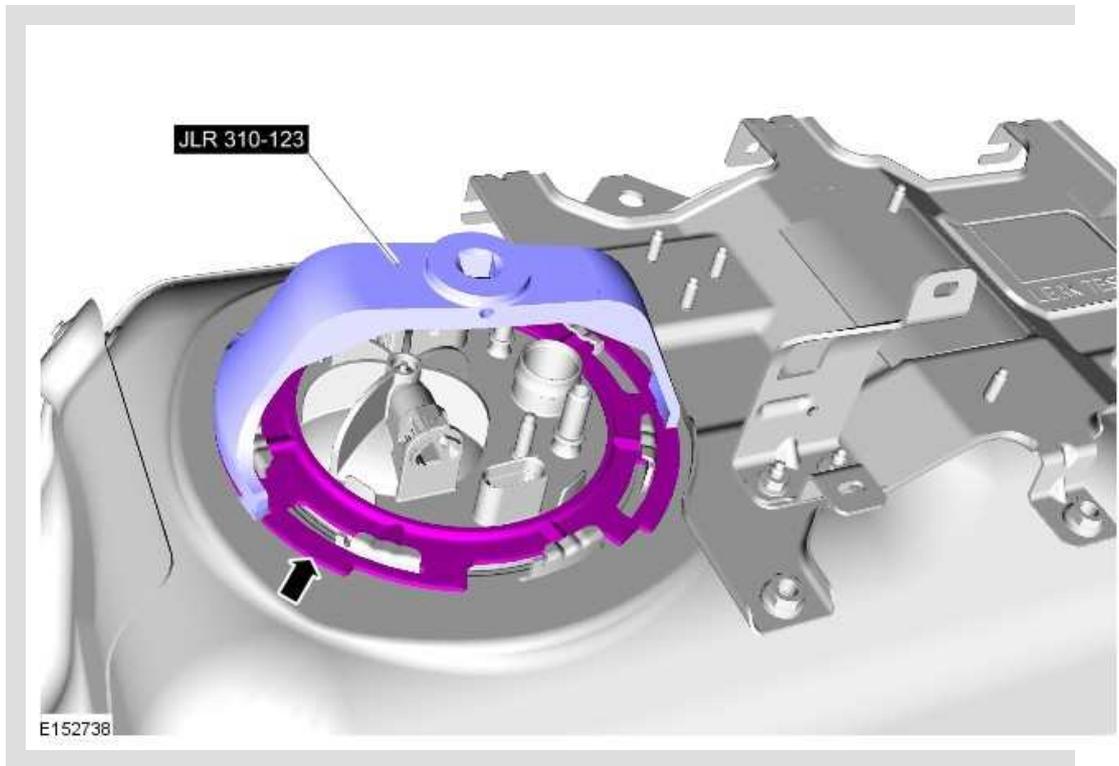
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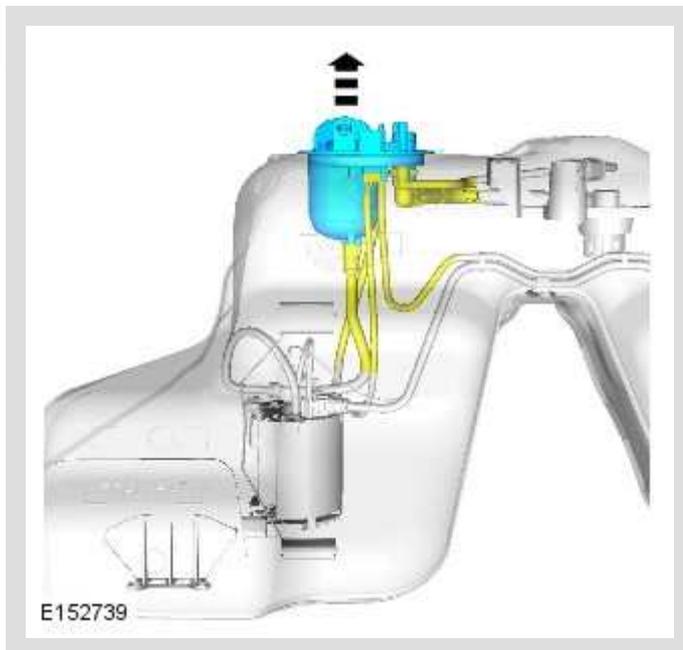
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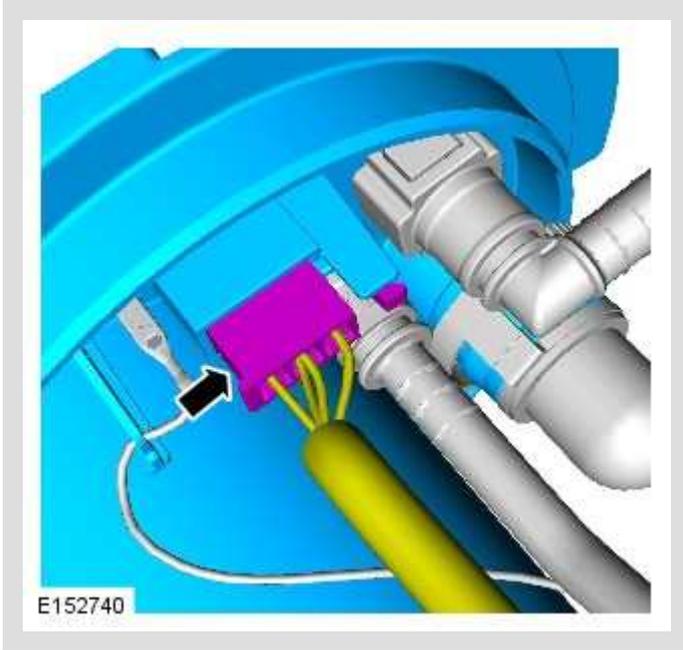
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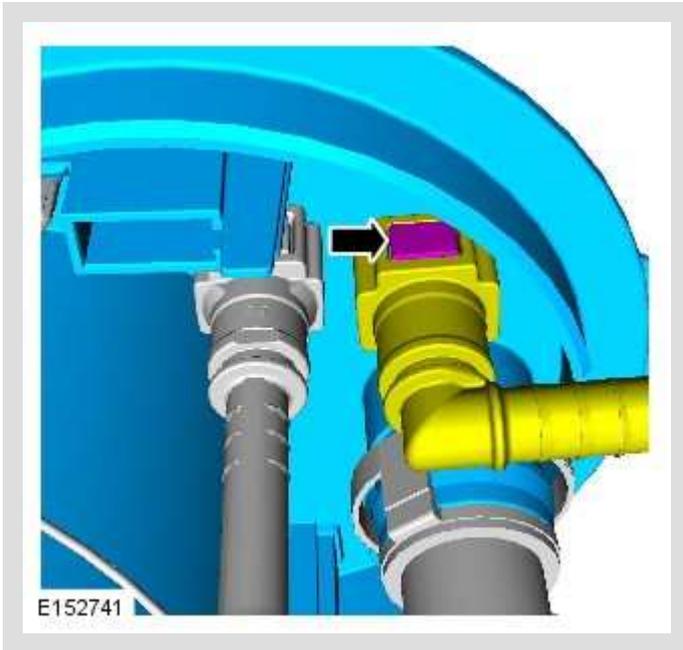
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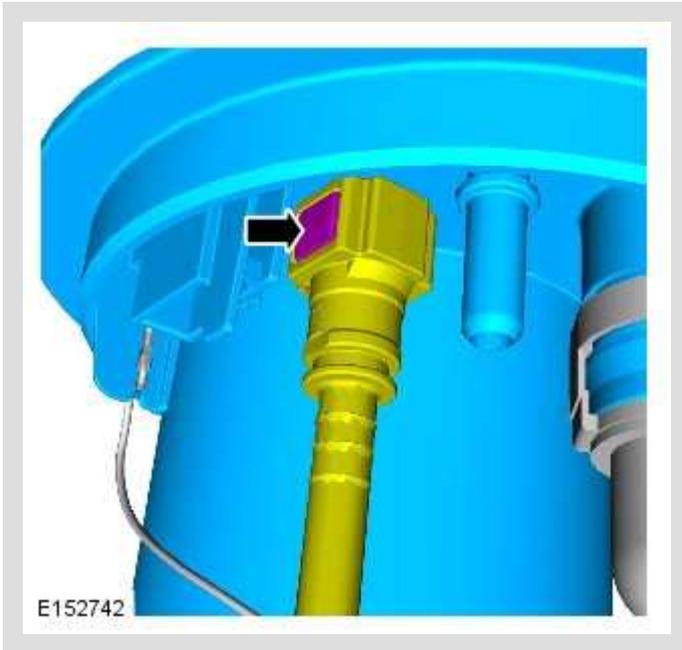
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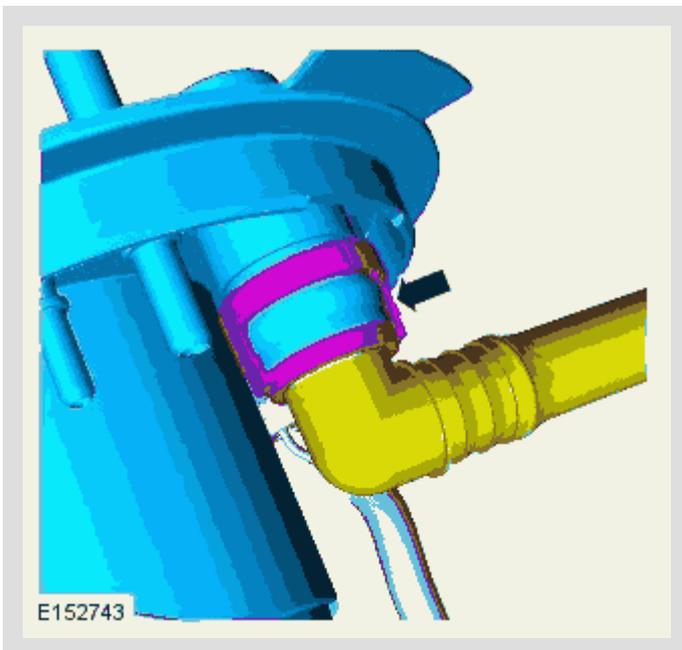
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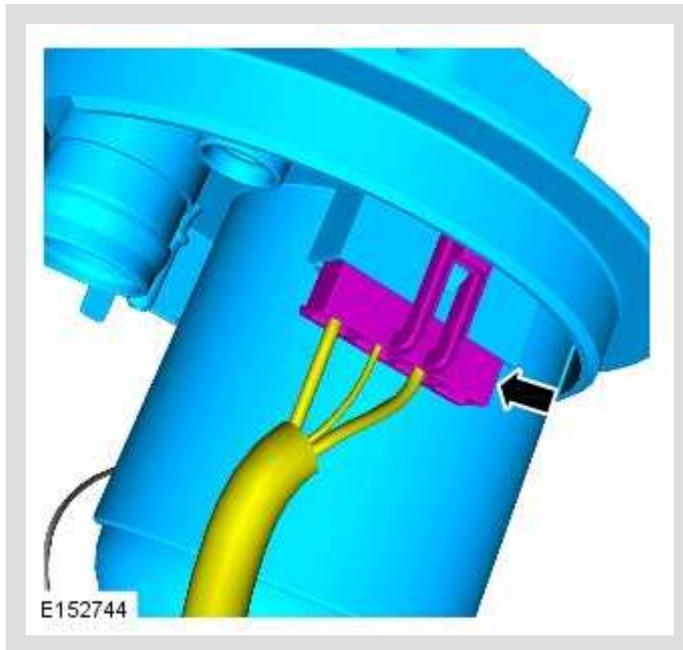
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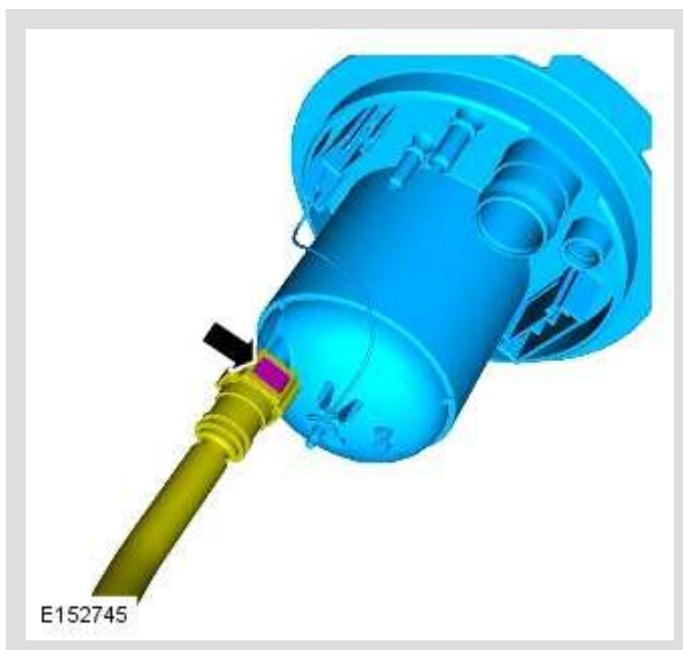
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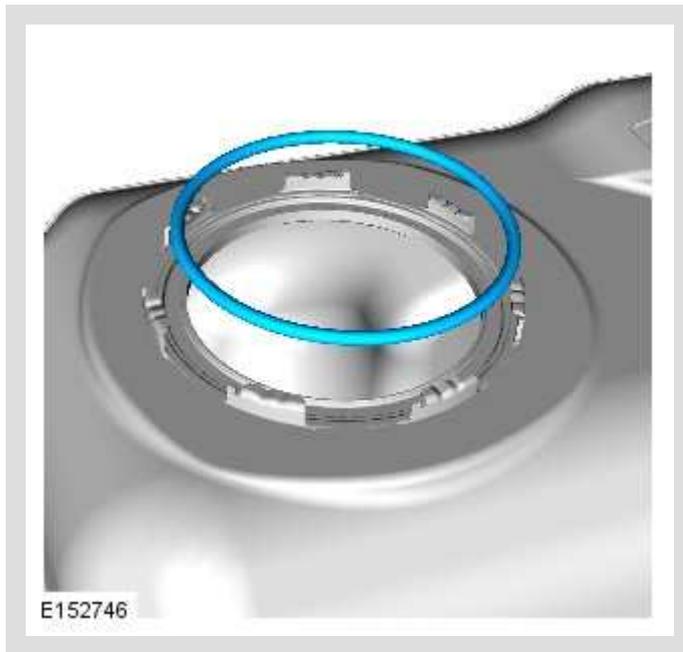
17.



18.

 **NOTE:**

Remove and discard the O-ring seal.



⚠ CAUTION:

Before disconnecting or removing components, ensure the area around the joint faces and connections are clean. Plug open connections to prevent contamination.

INSTALLATION

1. To install, reverse the removal procedure.

2015.0 F-TYPE (X152), 310-00

FUEL SYSTEM - GENERAL INFORMATION

FUEL SYSTEM PRESSURE RELEASE (G1580325)

GENERAL PROCEDURES

19.50.02	FUEL SYSTEM - DEPRESSURISE	ALL DERIVATIVES	0.1	USED WITHINS
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DRAINING

1. Remove the fuel pump fuse.
2. Remove the fuel filler cap.

3.  **CAUTION:**

When depressurising the fuel system, make sure that there is no throttle input. Failure to follow this instruction may cause damage to the vehicle.

Start the engine and allow it to idle until the engine stalls.

4. Crank the engine for approximately five seconds to make sure that the fuel rail pressure is released.

FILLING

1.  **NOTE:**

Make sure all repairs have been carried out before proceeding to the following steps.

Install the fuel pump fuse.

2. Install the fuel filler cap.

3. Read and clear stored DTC fault codes.

2015.0 F-TYPE (X152), 310-01

FUEL TANK AND LINES - V6 S/C 3.0L PETROL

IN-TANK FUEL FILTER - COUPE (G1715970)

REMOVAL AND INSTALLATION

19.25.08	FUEL TANK FILTER - RENEW	CABRIOLET, NON NAS	1.7	USED WITHINS	
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19.25.08	FUEL TANK FILTER - RENEW	COUPE, NAS	2.2	USED WITHINS	
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19.25.08	FUEL TANK FILTER - RENEW	COUPE, NON NAS	2.1	USED WITHINS	
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SPECIAL TOOL(S)

310-123

Locking Ring, Fuel
Tank

310-123



E80148

REMOVAL

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 mixtures are always present and may ignite. Failure to follow these instructions may result in personal injury.

CAUTION:

Before disconnecting or removing components, ensure the area around the joint faces and connections are clean. Plug open connections to prevent contamination.



NOTES:

- Some variation in the illustrations may occur, but the essential information is always correct.
- Some components shown removed for clarity.

1. Refer to: [Petrol and Petrol-Ethanol Fuel Systems Health and Safety Precautions](#) (100-00 General Information, Description and Operation).

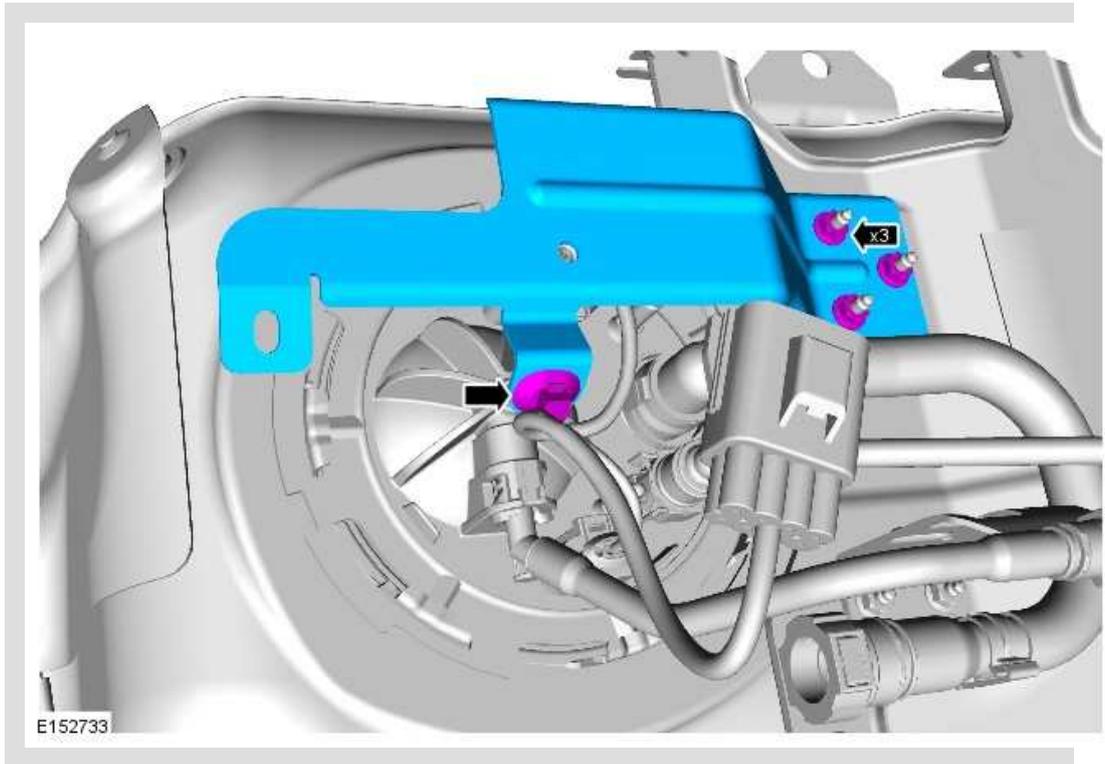
2. Refer to: [Fuel System Pressure Release](#) (310-00 Fuel System - General Information, General Procedures).

3. Refer to: [Battery Disconnect and Connect](#) (414-01 Battery, Mounting and Cables, General Procedures).

4. Refer to: [Evaporative Emission Canister - Coupe](#) (303-13A Evaporative Emissions - V6 S/C 3.0L Petrol, Removal and Installation).

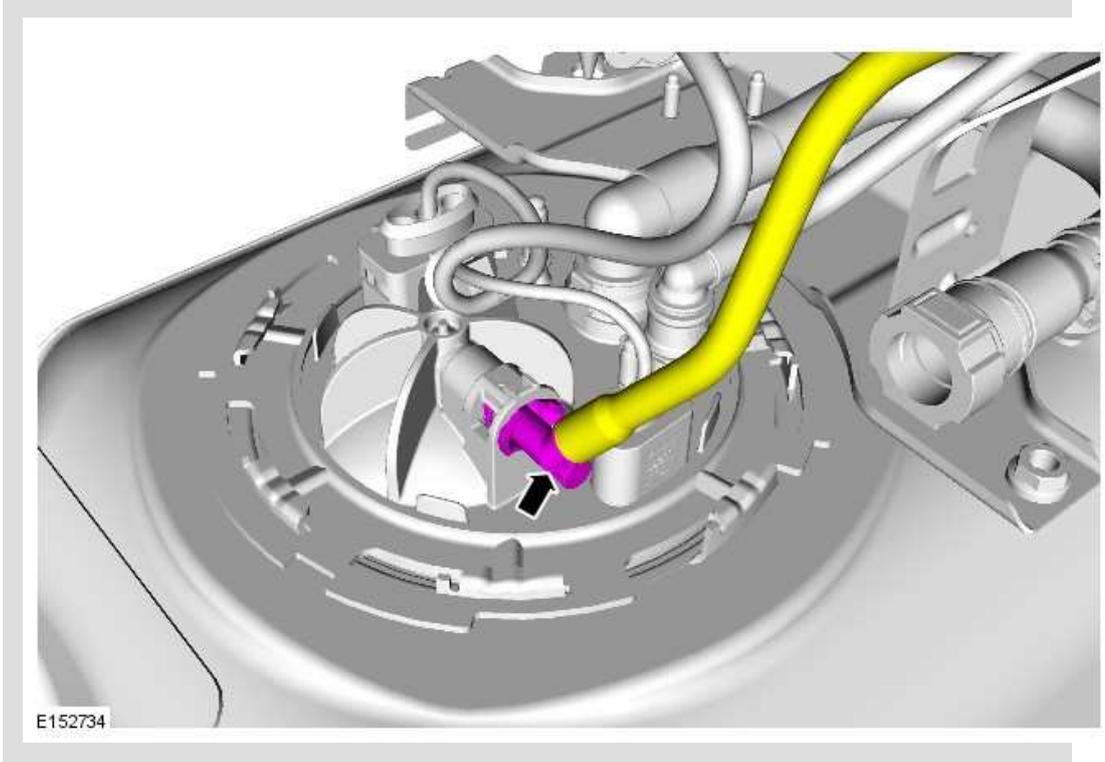
Refer to: [Evaporative Emission Canister - Coupe](#) (303-13B, Removal and Installation).

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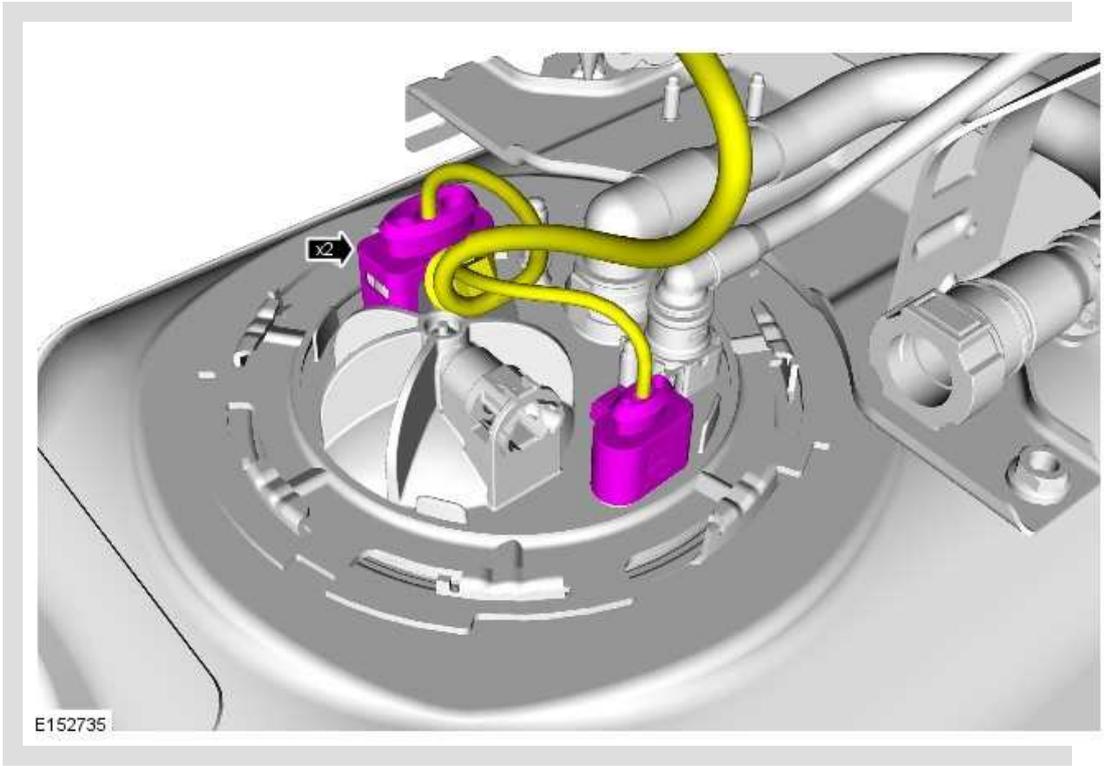


Torque: 9 Nm

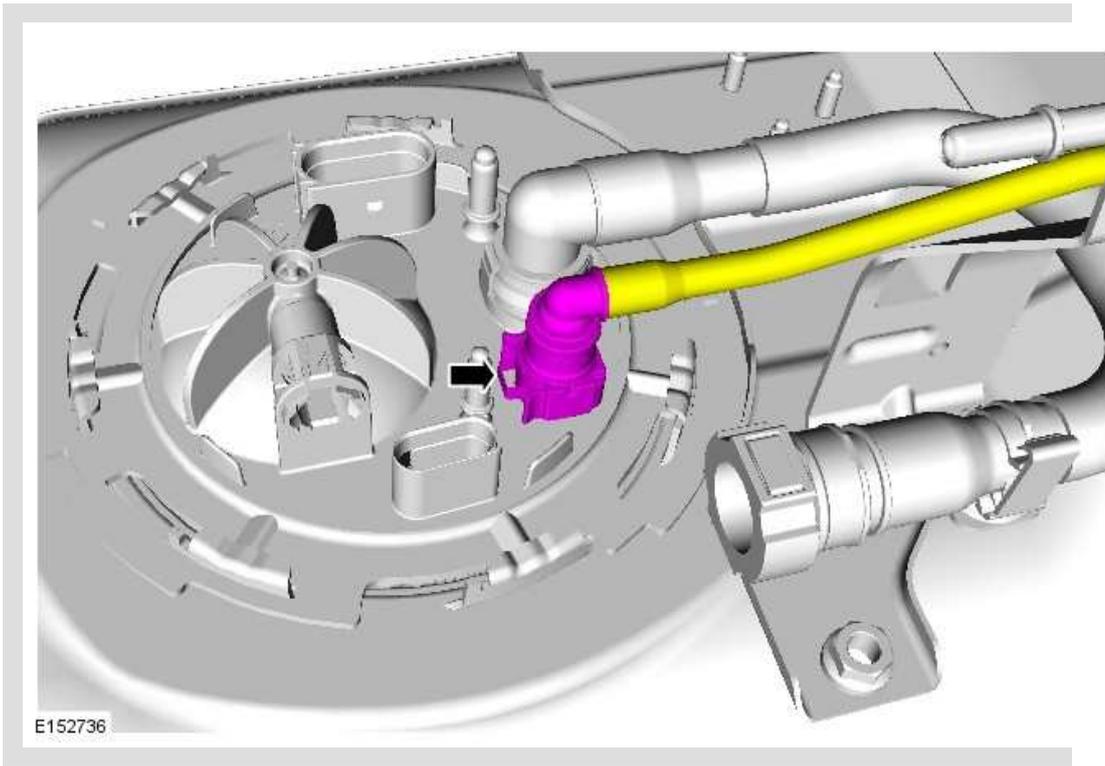
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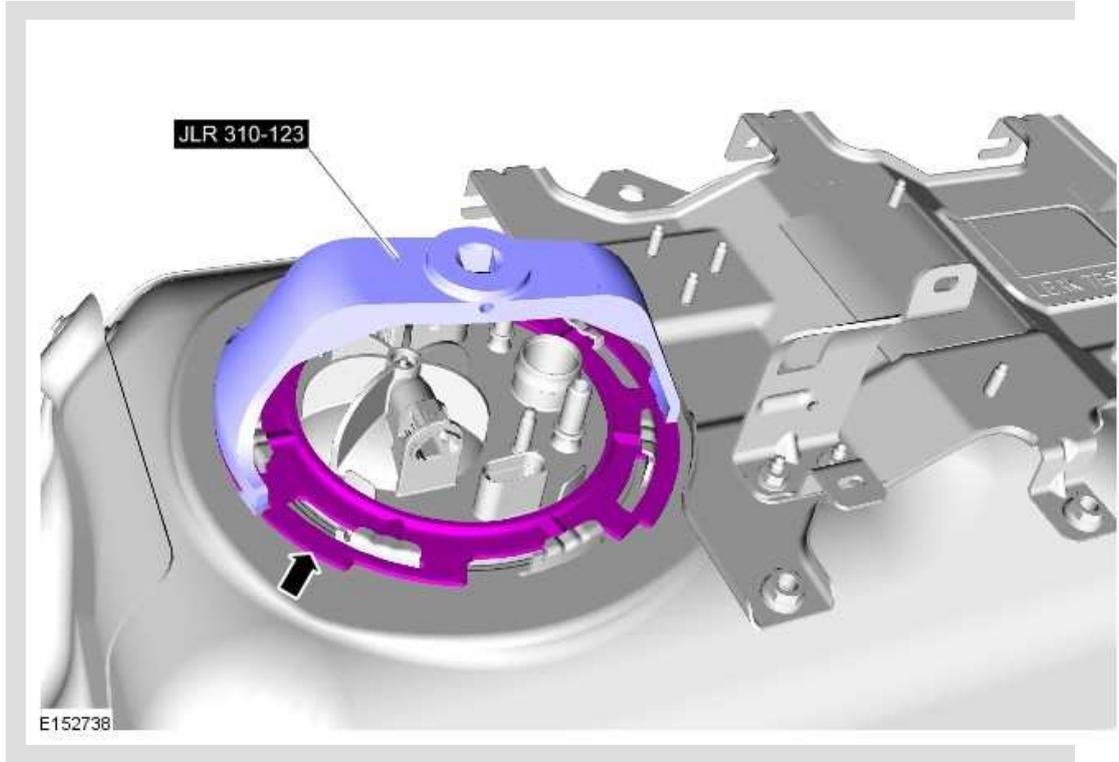
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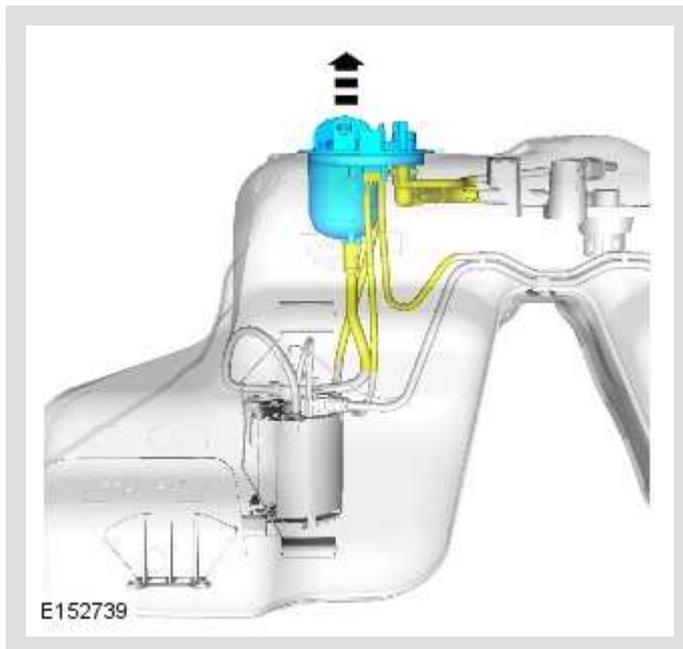


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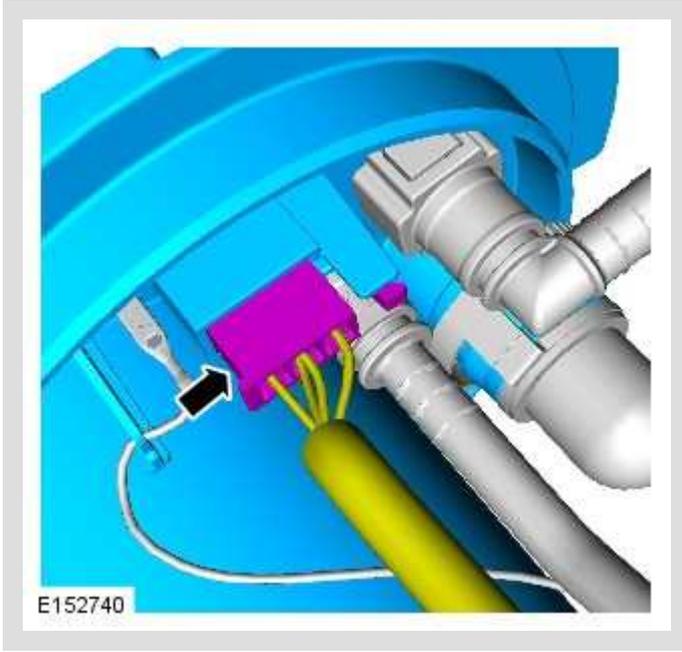


Special Tool(s): 310-123

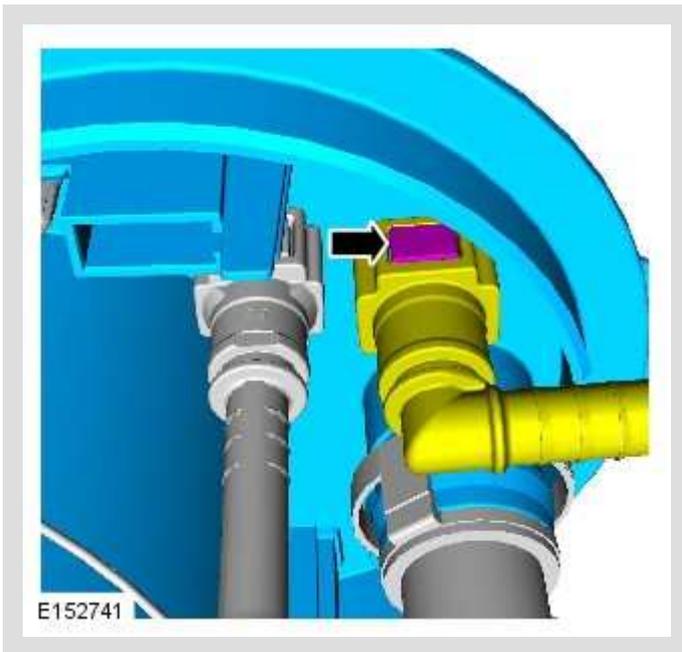
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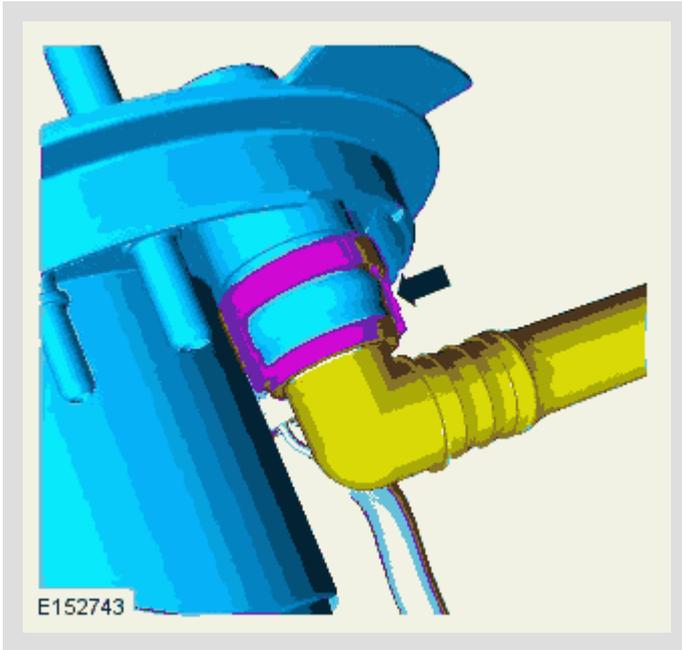
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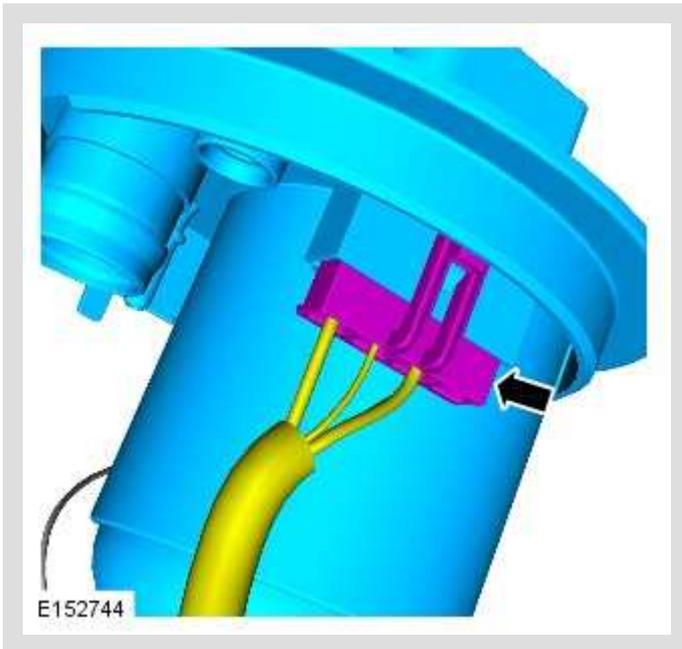
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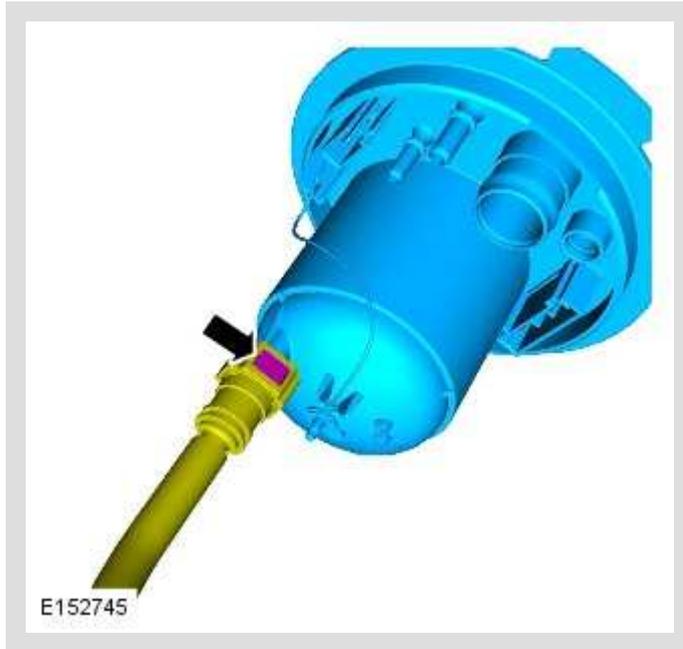
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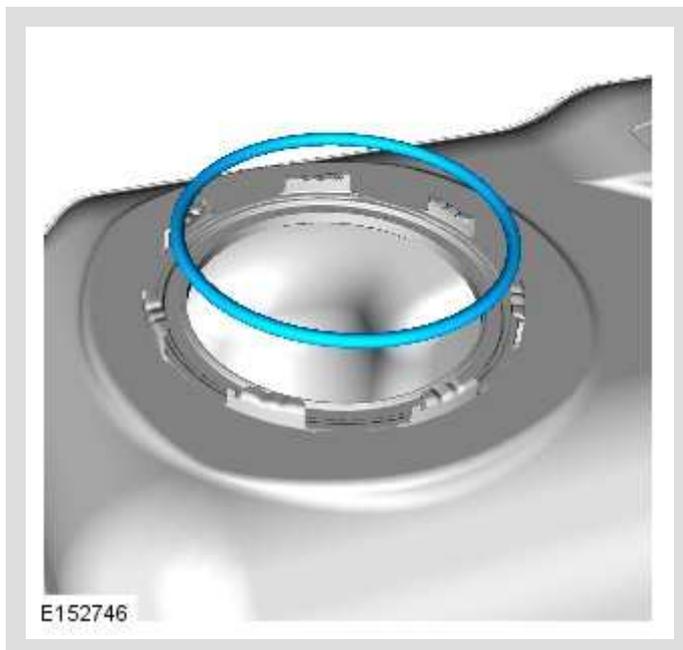
15.



16.

 **NOTE:**

Remove and discard the O-ring seal.



INSTALLATION

1. To install, reverse the removal procedure.

2015.0 F-TYPE (X152), 310-01

FUEL TANK AND LINES - V6 S/C 3.0L PETROL

IN-TANK FUEL FILTER - FOLDING TOP (G1578895)

REMOVAL AND INSTALLATION

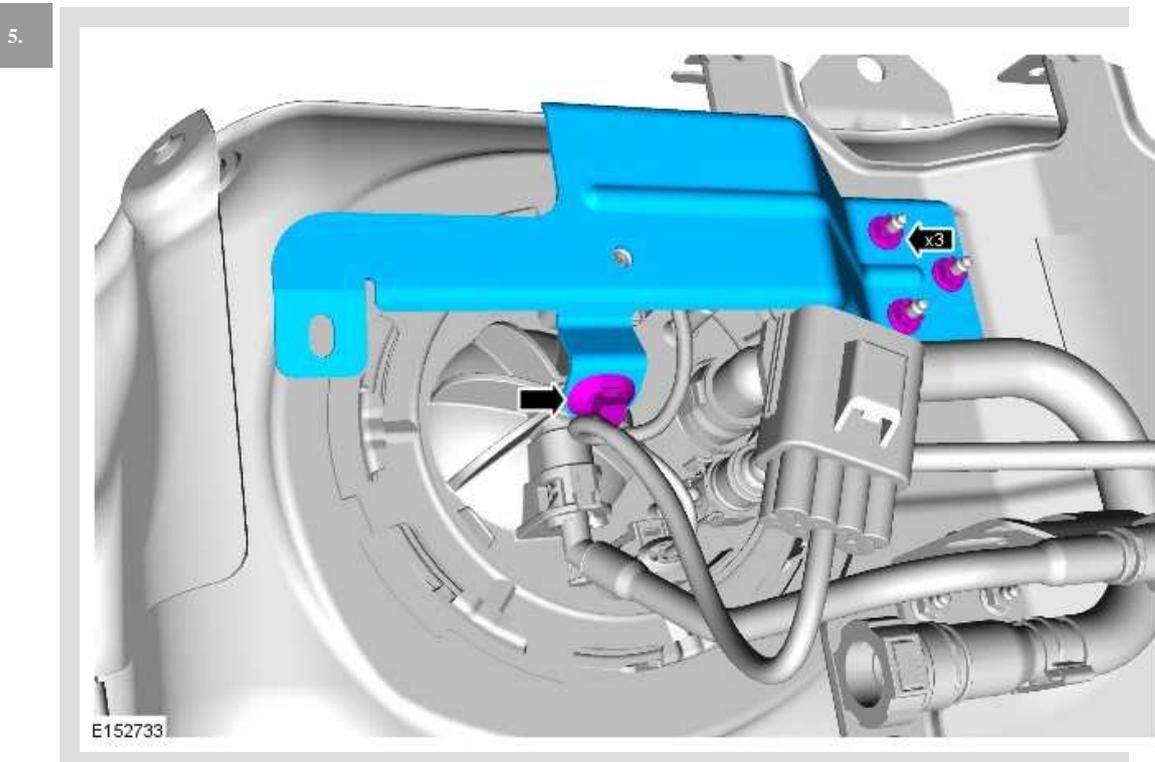
19.25.08	FUEL TANK FILTER - RENEW	CABRIOLET, NON NAS	1.7	USED WITHINS
19.25.08	FUEL TANK FILTER - RENEW	COUPE, NAS	2.2	USED WITHINS
19.25.08	FUEL TANK FILTER - RENEW	COUPE, NON NAS	2.1	USED WITHINS

REMOVAL

NOTES:

- Removal steps in this procedure may contain installation details.
- Some components shown removed for clarity.
- Some variation in the illustrations may occur, but the essential information is always correct.

1. Refer to: [Petrol and Petrol-Ethanol Fuel Systems Health and Safety Precautions](#) (100-00 General Information, Description and Operation).
2. Refer to: [Fuel System Pressure Release](#) (310-00 Fuel System - General Information, General Procedures).
3. Disconnect the battery ground cable.
Refer to: [Battery Disconnect and Connect](#) (414-01 Battery, Mounting and Cables, General Procedures).
4. Refer to: [Evaporative Emission Canister - Folding Top](#) (303-13A Evaporative Emissions - V6 S/C 3.0L Petrol, Removal and Installation).
Refer to: [Evaporative Emission Canister - Folding Top](#) (303-13B Evaporative Emissions - V8 S/C 5.0L Petrol, Removal and Installation).

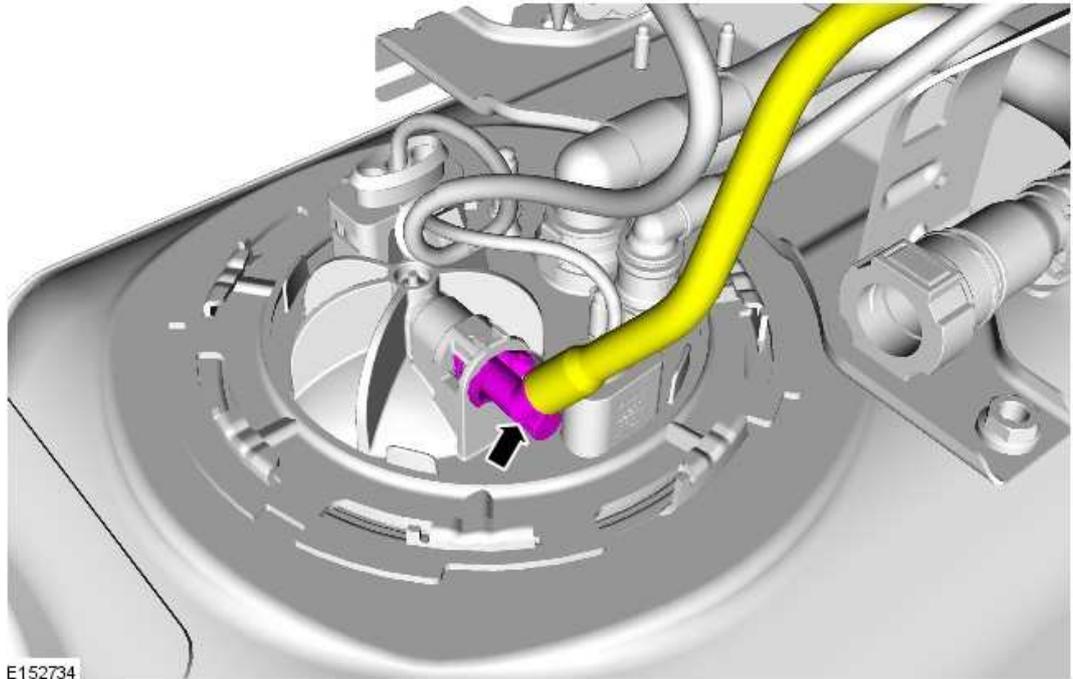


Torque: 9 Nm

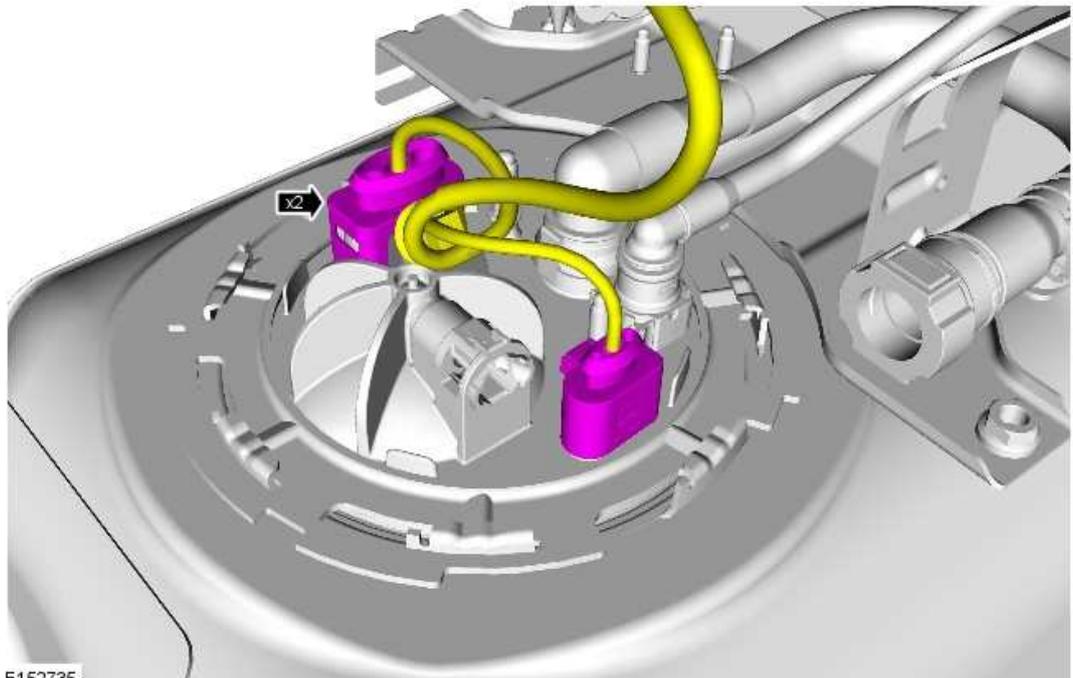
ⓘ CAUTION:

Before disconnecting or removing components, ensure the area around the joint faces and connections are clean. Plug open connections to prevent contamination.

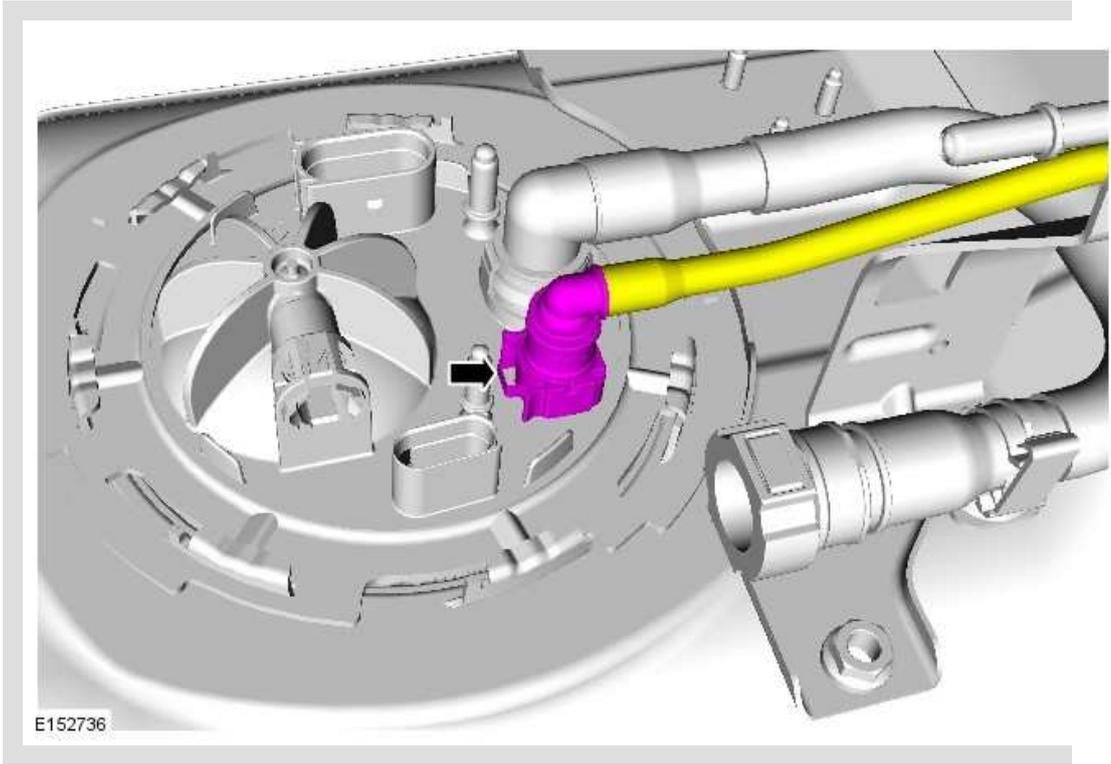
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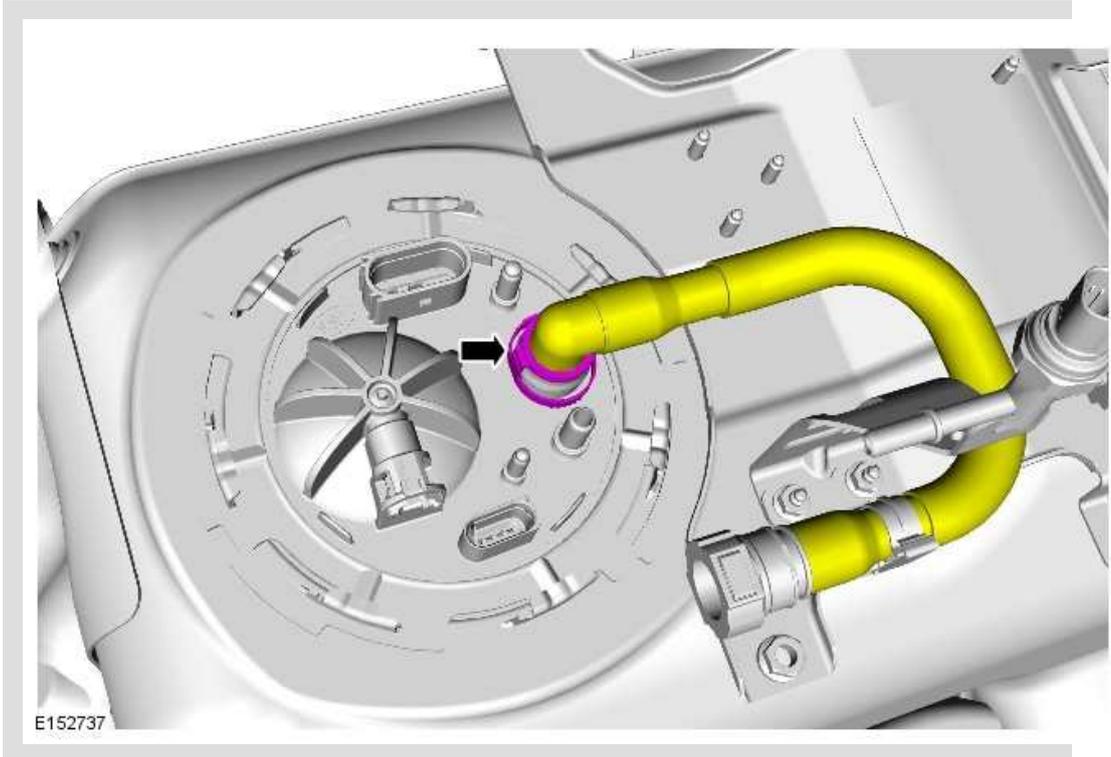
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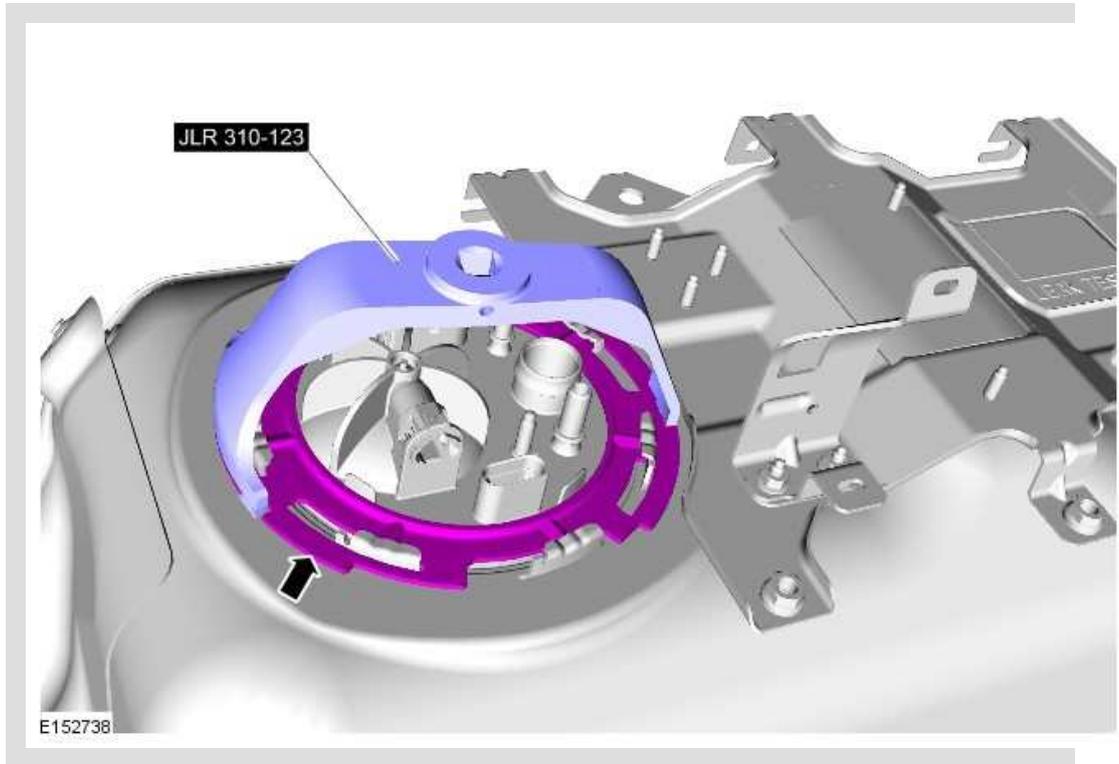
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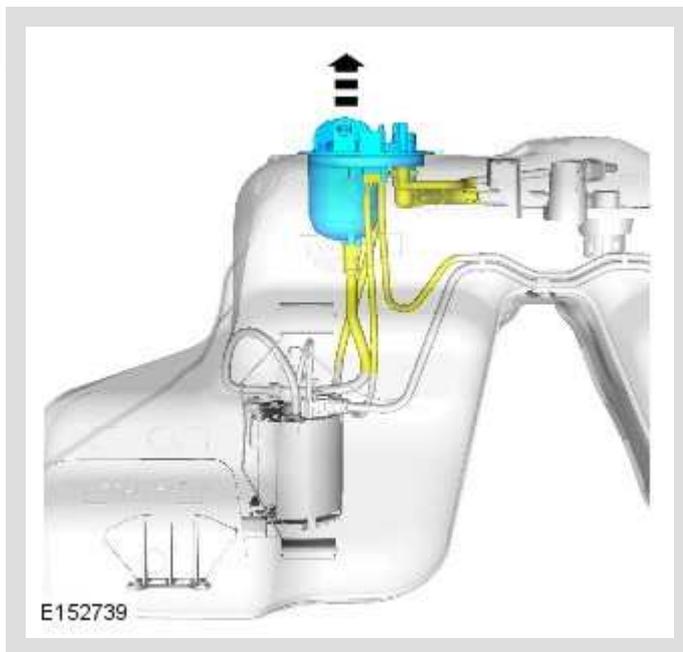
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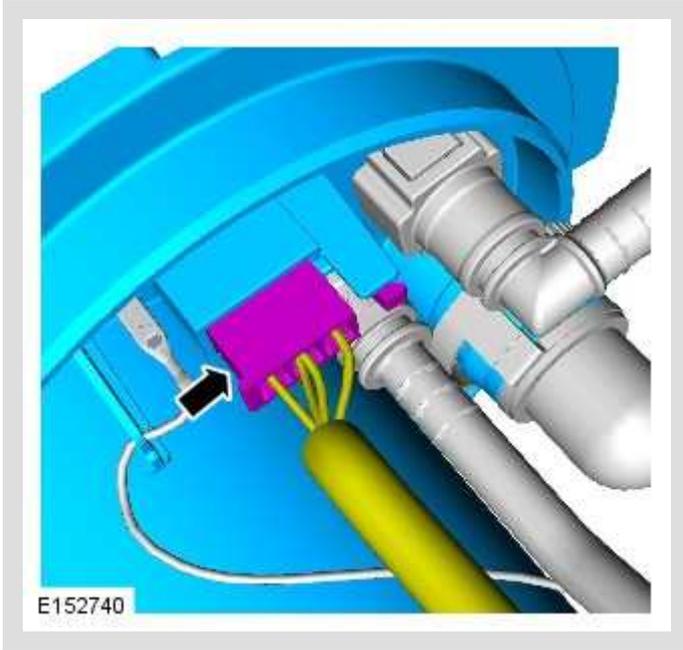
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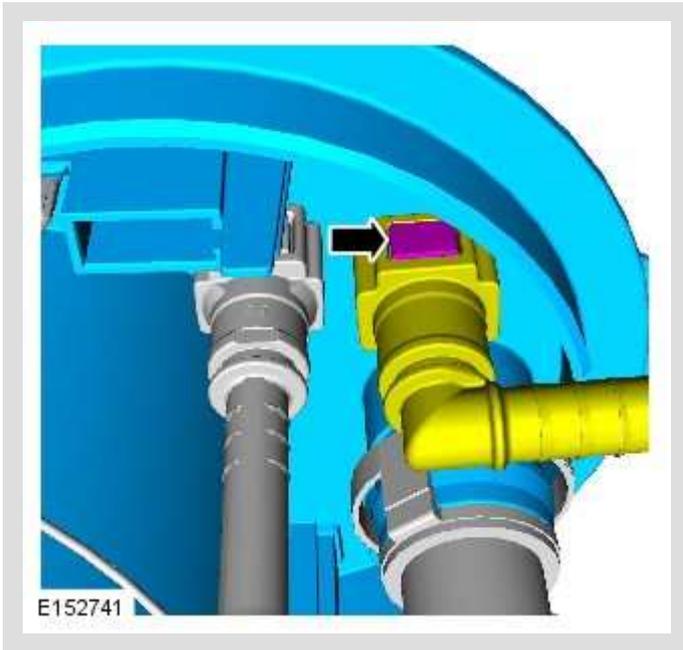
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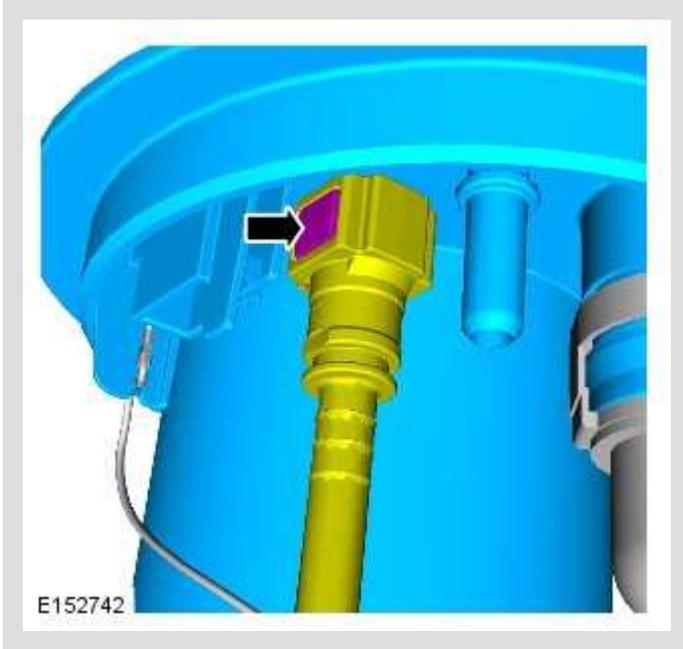
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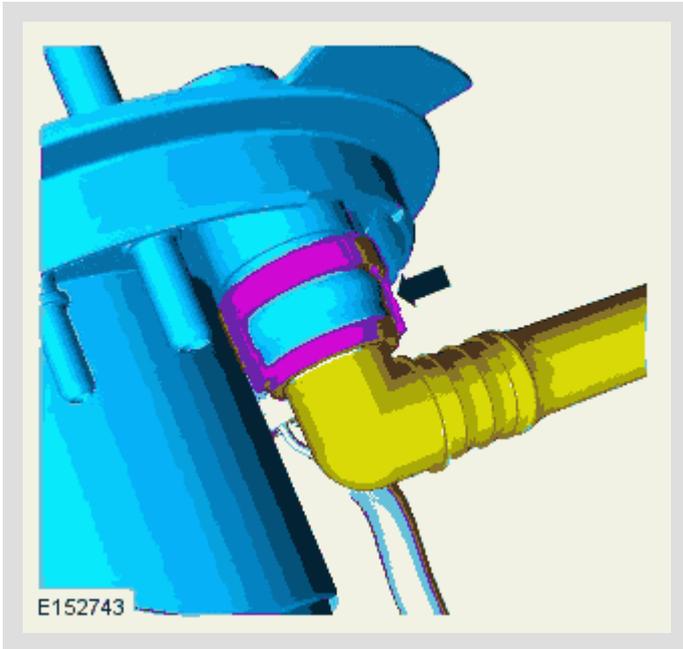
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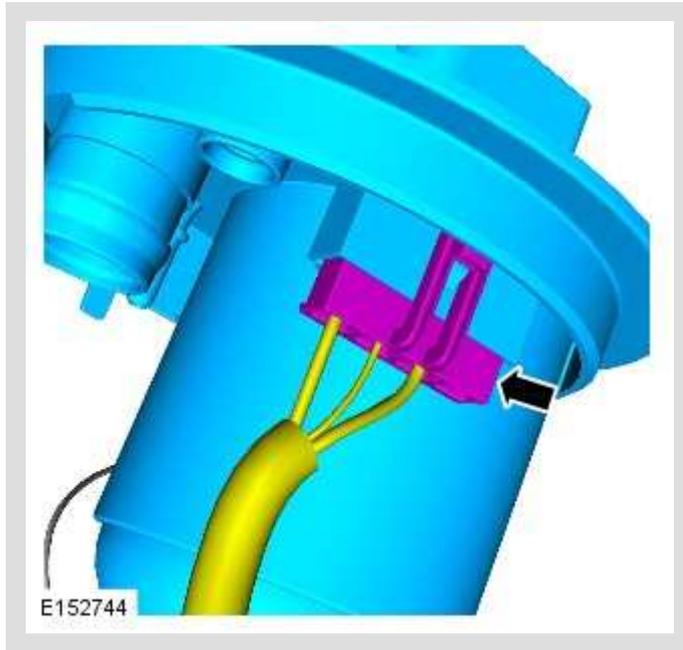
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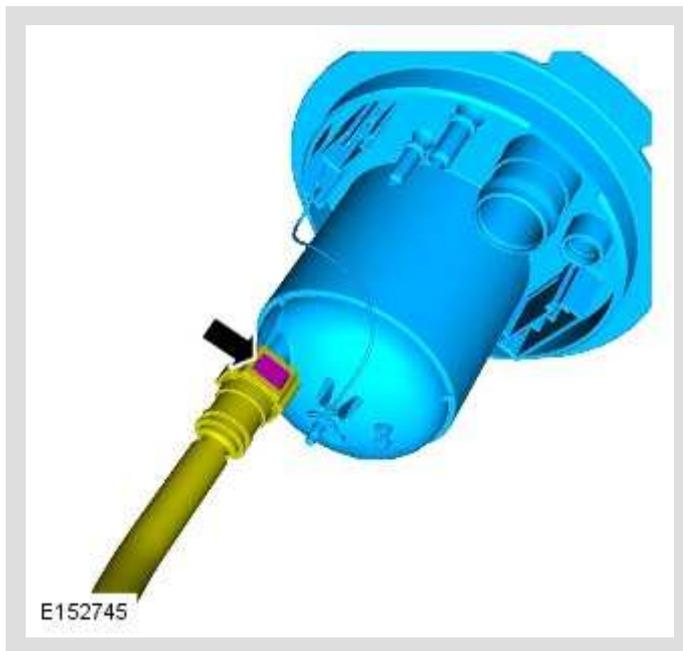
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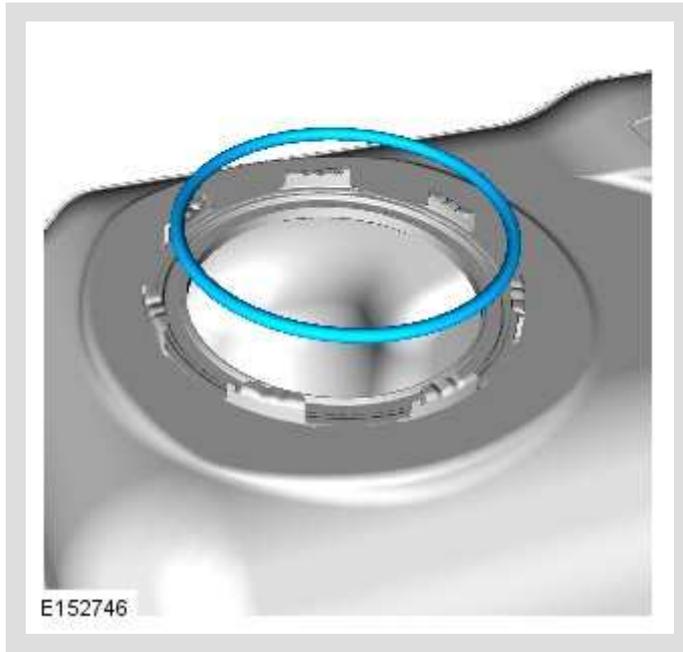
17.



18.

△ NOTE:

Remove and discard the O-ring seal.



⚠ CAUTION:

Before disconnecting or removing components, ensure the area around the joint faces and connections are clean. Plug open connections to prevent contamination.

INSTALLATION

1. To install, reverse the removal procedure.

2015.0 F-TYPE (X152), 414-01

BATTERY, MOUNTING AND CABLES

BATTERY DISCONNECT AND CONNECT (G1579511)

86.15.15	BATTERY DISCONNECTION AND RECONNECTION PROCEDURE **** DO NOT ISSUE ****	ALL DERIVATIVES	0.2	USED WITHINS	
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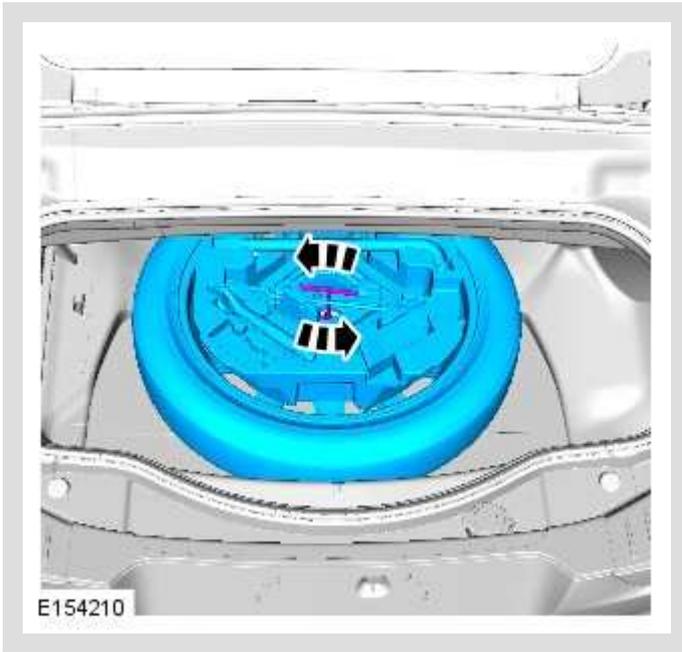
 NOTES:

- Some variation in the illustrations may occur, but the essential information is always correct.
- Removal steps in this procedure may contain installation details.
- If a new battery is installed, the battery monitoring system (BMS) must be reset using Jaguar approved diagnostic equipment.

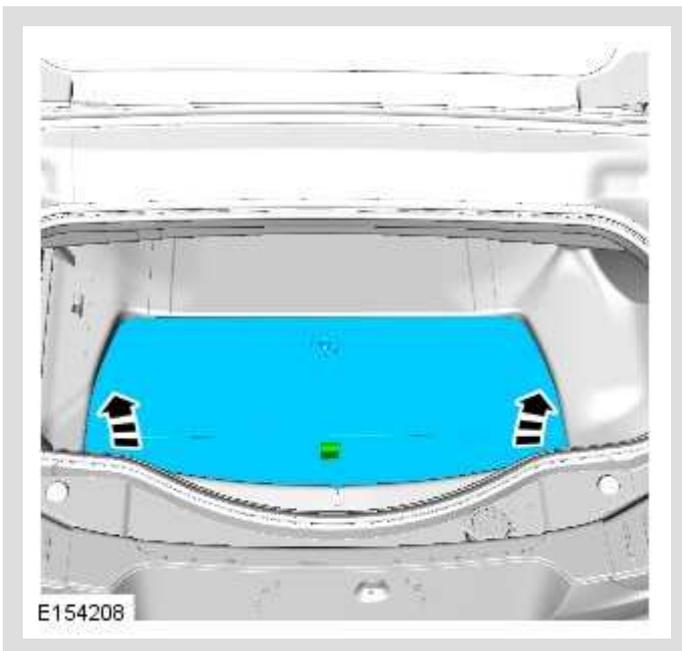
1. Refer to: [Battery Care Requirements](#) (414-00 Battery and Charging System - General Information, Description and Operation).

2. Obtain and record the audio unit preset radio frequencies.

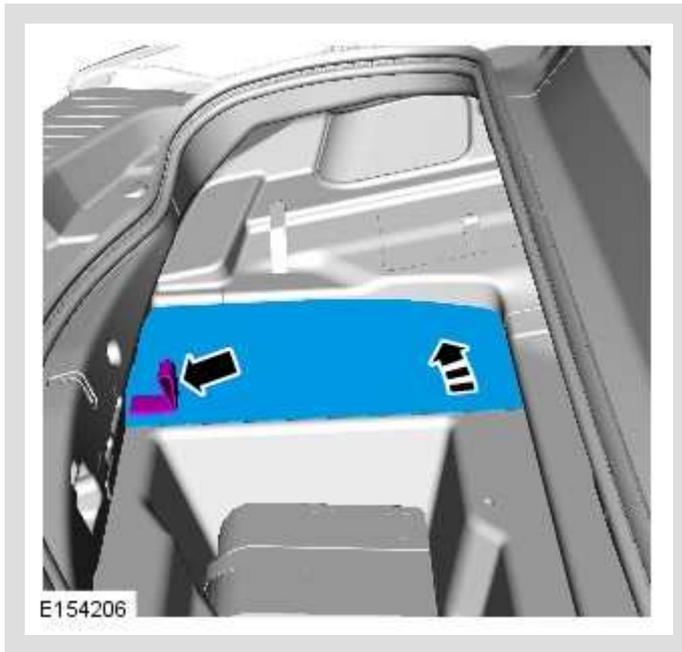
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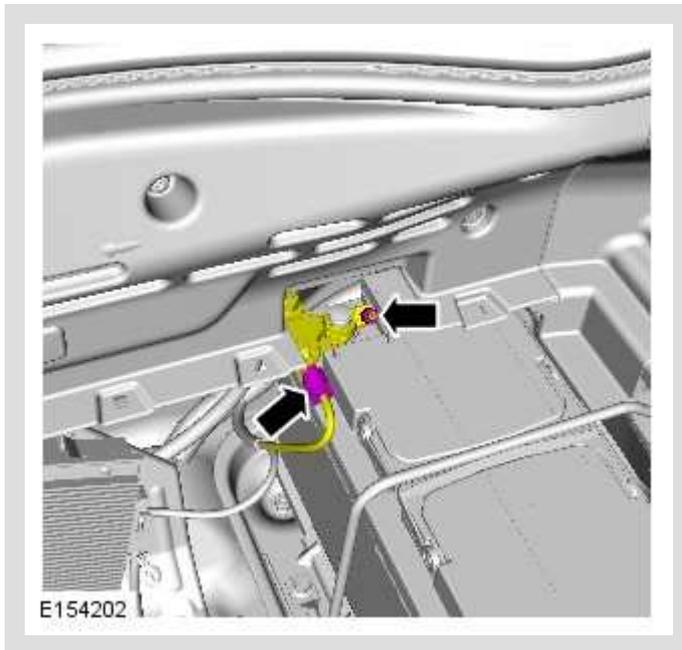
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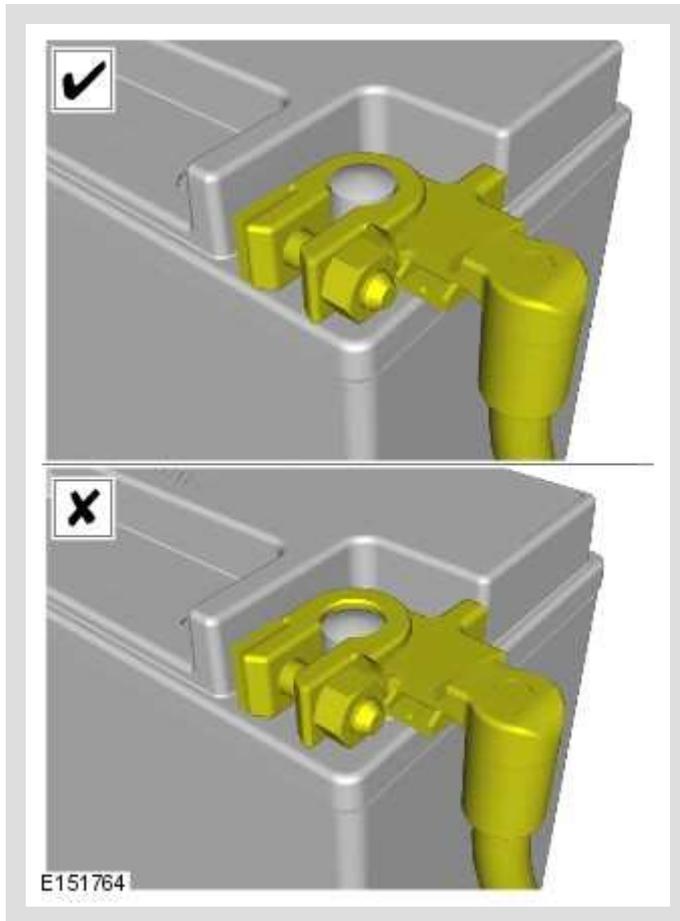
⚠ **CAUTION:**

Take extra care not to damage the wiring harnesses.



Torque: 6 Nm

7.



8. To install, reverse the removal procedure.

9.  **NOTE:**

This step is only necessary when installing a new battery.

Using Jaguar approved diagnostic equipment, reset the battery monitoring system (BMS).

10. Door Window Motor Initialization

11. Enter the audio unit preset radio frequencies.

12. Reset the clock to the correct time.
13. Start the engine and allow to idle until the engine reaches normal operating temperature.
14. Switch the engine off.

2015.0 F-TYPE (X152), 100-00

GENERAL INFORMATION

DESCRIPTION AND OPERATION



WARNINGS:

- Fuel may not give adequate warning before toxic or harmful effects arise.
- Exposure to fuel can be harmful and can cause severe health damage or death.
- Extreme care must be exercised when handling hot fluids. Always wash off spilled fluids from affected areas of skin immediately.
- Highly flammable mixtures are always present and may ignite when working on fuel systems. Do not allow naked flames, sparks or lighted substances to come near fuel related components.
- Fuel must not be used as a cleaning agent.

- Keep fuel containers tightly closed, out of direct sunlight and in a cool area. Keep away from heat sources, ignition sources and oxidizing agents.
- SKIN CONTACT: Excessive or prolonged skin contact with diesel fuel may cause serious skin disorders including skin cancer.
- SKIN CONTACT: Fuel is mildly irritating to the skin and may cause dermatitis due to defatting effect. Remove contaminated clothing. Wash affected areas of skin with soap and water. Seek medical attention for any persistent skin irritation or abnormality. Wash contaminated clothing before reuse.
- EYE CONTACT: Fuel is mildly irritating to the eyes. Flush with plenty of running water, blinking as often as possible. Do not force the eyelid open. Seek medical attention for any persistent eye irritation or abnormality.
- SWALLOWED: Fuel is moderately toxic and tends to foam on vomiting. If drawn into the lungs, inflammation may develop. Do not induce vomiting. If spontaneous vomiting occurs place the victim in a forward position to reduce the risk of fuel being drawn into the lungs. Give nothing by mouth. If breathing but unconscious, place in the recovery position. If breathing has stopped, apply artificial respiration. Seek immediate medical attention.
- INHALED: Fuel is toxic to the respiratory and other body systems. Exposure may result in various symptoms including drowsiness, unconsciousness or severe health damage. Move a victim to fresh air. Keep a victim warm and at rest. If unconscious, place in the recovery position. If not breathing, apply artificial respiration. Give cardiac massage if necessary. Seek immediate medical attention.

 **CAUTIONS:**

- Fuel injection equipment is manufactured to very precise tolerances and fine clearances. It is essential that absolute cleanliness is observed when working with these components.
- Make sure that the workshop area in which the vehicle is being worked on is as clean and as dust free as possible.

2015.0 F-TYPE (X152), 310-01

FUEL TANK AND LINES - V8 S/C 5.0L PETROL

IN-TANK FUEL FILTER - COUPE (G1715970)

REMOVAL AND INSTALLATION

19.25.08	FUEL TANK FILTER - RENEW	CABRIOLET, NON NAS	1.7	USED WITHINS
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19.25.08	FUEL TANK FILTER - RENEW	COUPE, NAS	2.2	USED WITHINS
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19.25.08	FUEL TANK FILTER - RENEW	COUPE, NON NAS	2.1	USED WITHINS
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SPECIAL TOOL(S)

310-123



E80148

310-123

Locking Ring, Fuel Tank

REMOVAL

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 mixtures are always present and may ignite. Failure to follow these instructions may result in personal injury.

CAUTION:

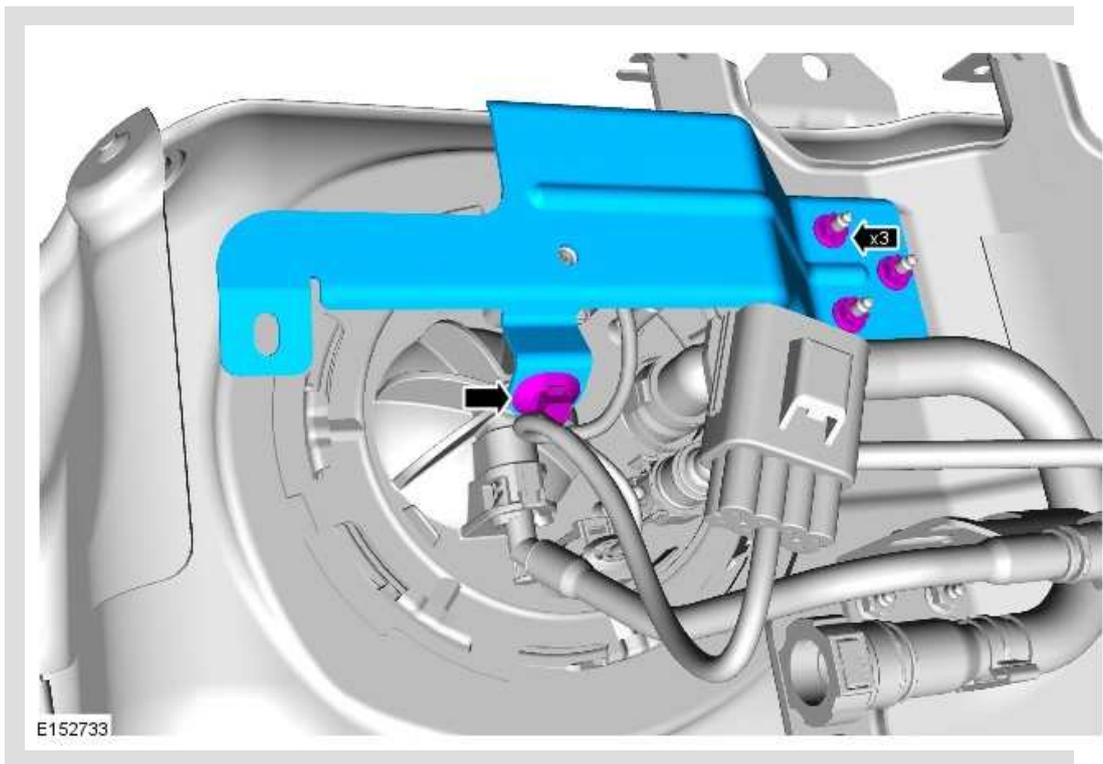
Before disconnecting or removing components, ensure the area around the joint faces and connections are clean. Plug open connections to prevent contamination.

NOTES:

- Some variation in the illustrations may occur, but the essential information is always correct.
- Some components shown removed for clarity.

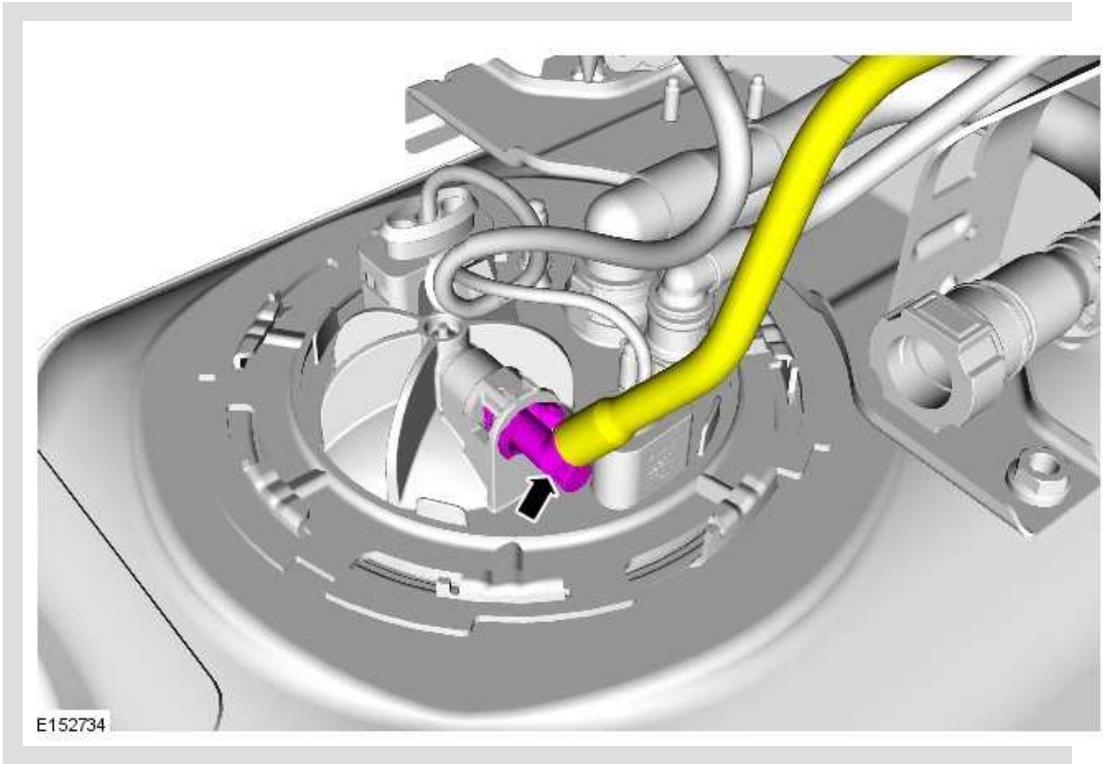
1. Refer to: [Petrol and Petrol-Ethanol Fuel Systems Health and Safety Precautions](#) (100-00 General Information, Description and Operation).
2. Refer to: [Fuel System Pressure Release](#) (310-00 Fuel System - General Information, General Procedures).
3. Refer to: [Battery Disconnect and Connect](#) (414-01 Battery, Mounting and Cables, General Procedures).
4. Refer to: [Evaporative Emission Canister - Coupe](#) (303-13A Evaporative Emissions - V6 S/C 3.0L Petrol, Removal and Installation).
Refer to: [Evaporative Emission Canister - Coupe](#) (303-13B, Removal and Installation).

5.

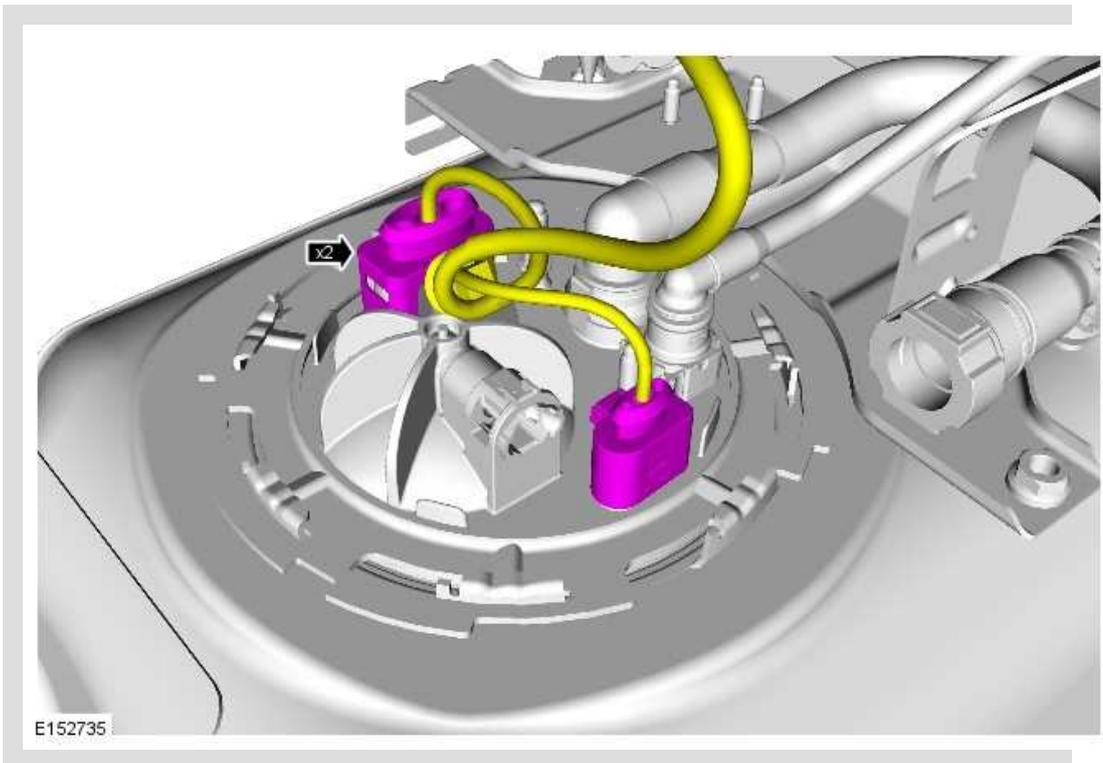


Torque: 9 Nm

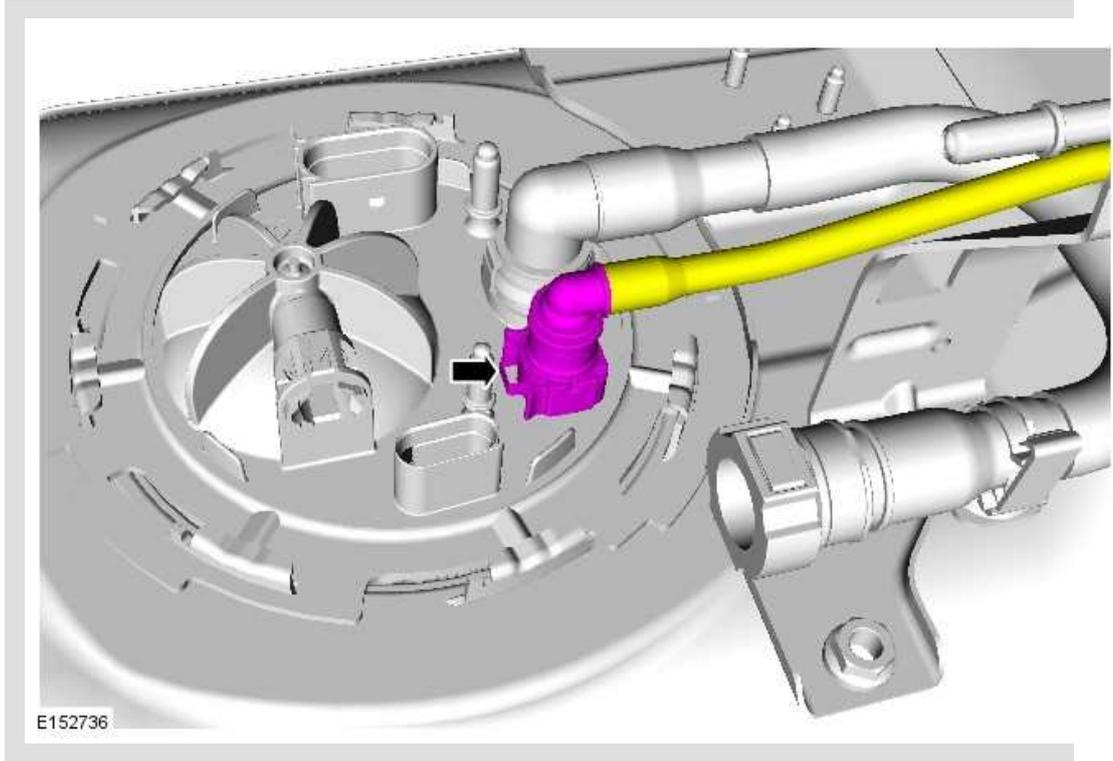
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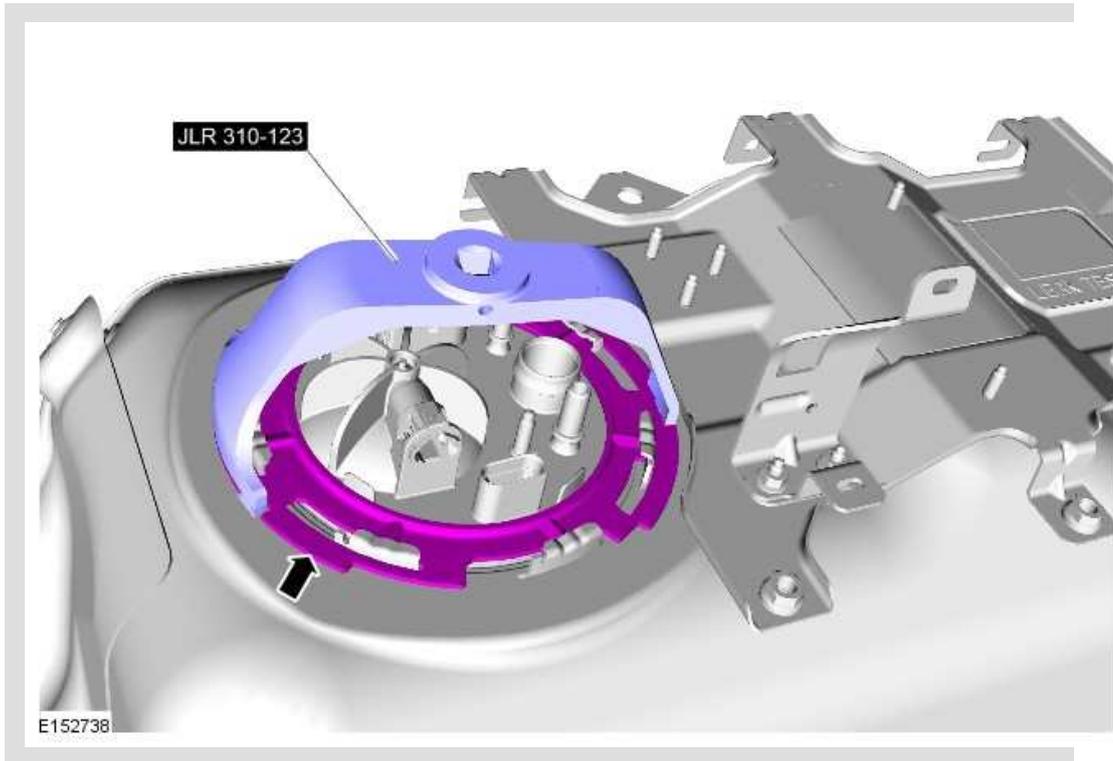
7.



8.

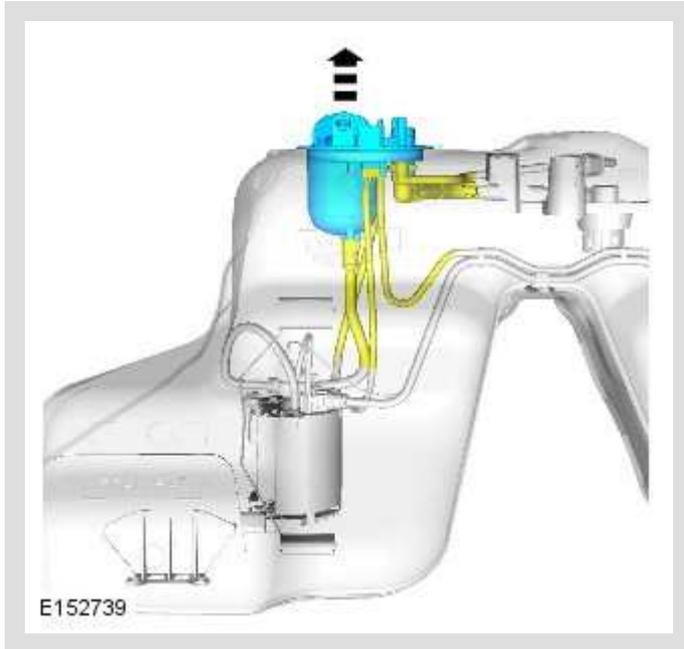


9.

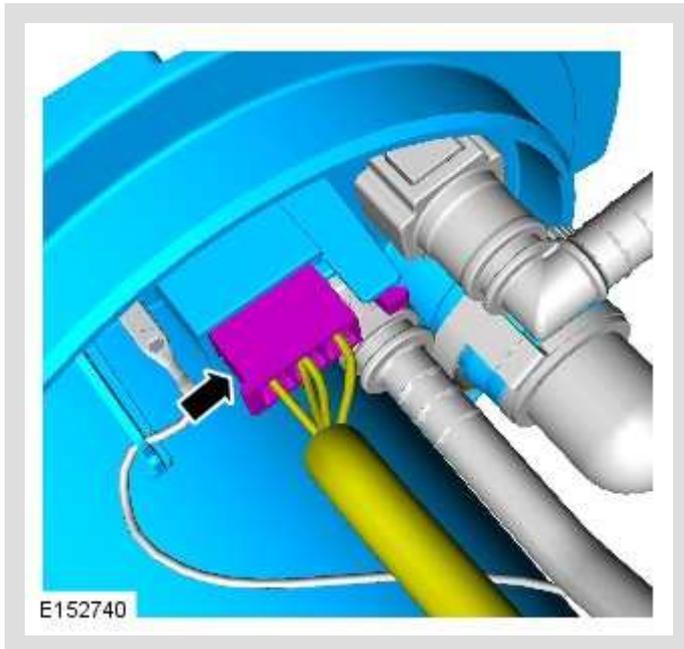


Special Tool(s): [310-123](#)

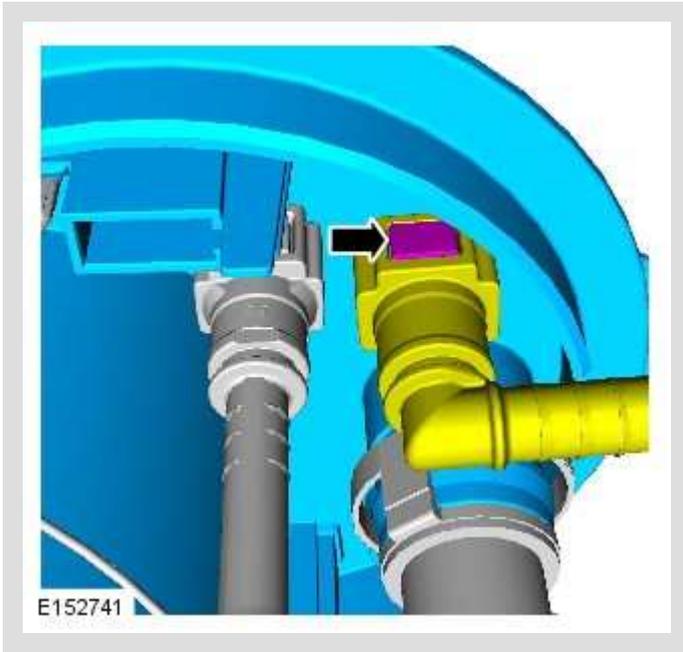
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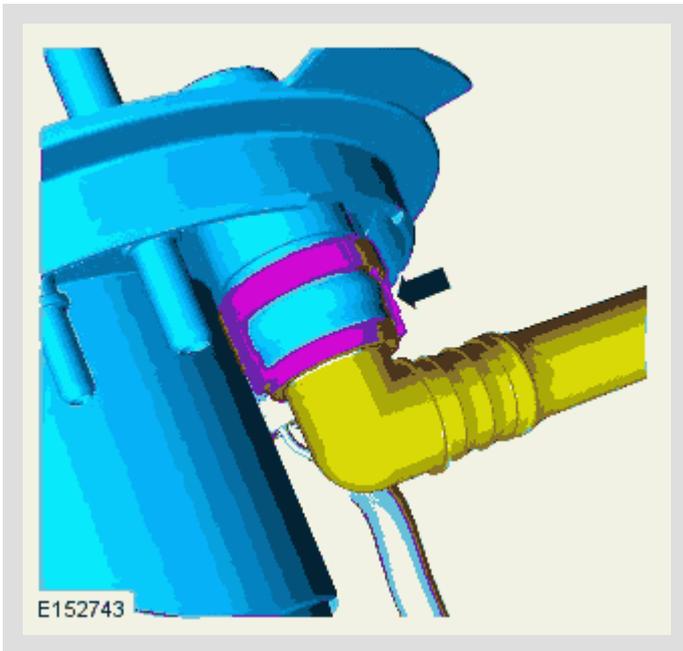
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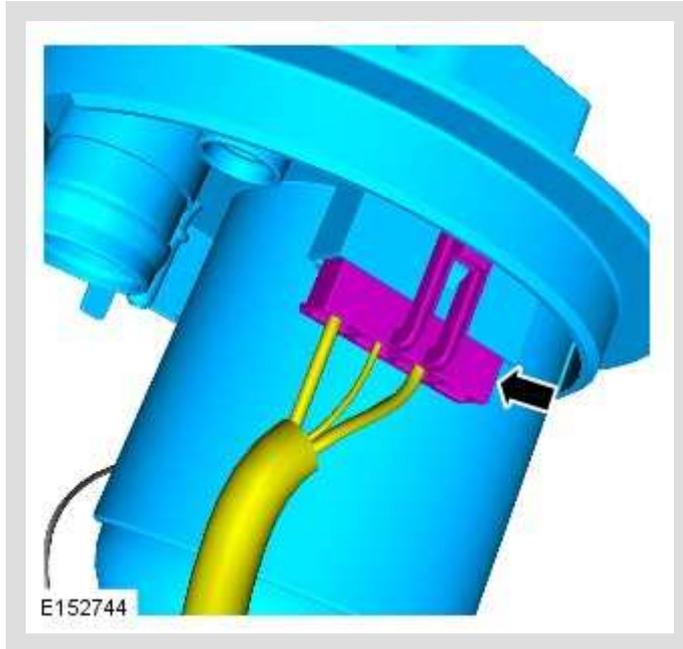
12.



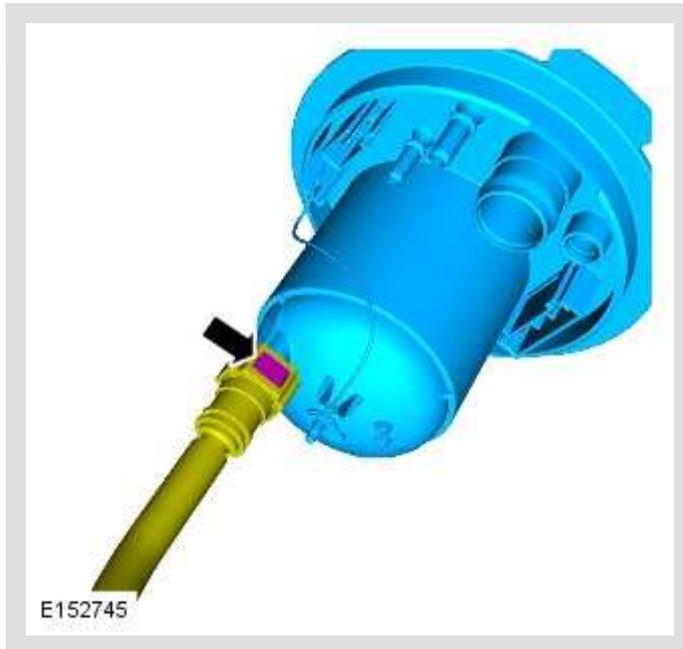
13.



14.



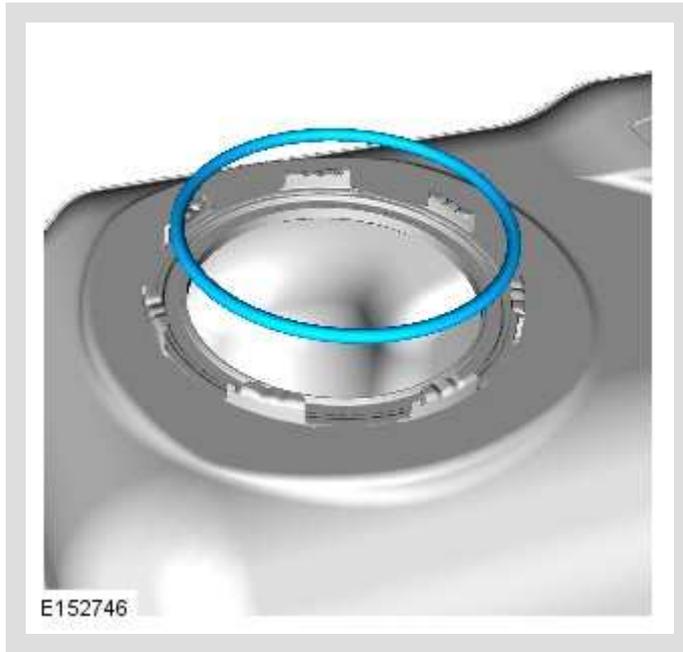
15.



16.

 **NOTE:**

Remove and discard the O-ring seal.



INSTALLATION

1. To install, reverse the removal procedure.