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1968 FORD Thunderbird OEM Service and Repair Workshop Manual

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Do not use any tools. The use of tools may cause a deformity in the clip components which may cause fuel leaks.

NOTE

Type 26

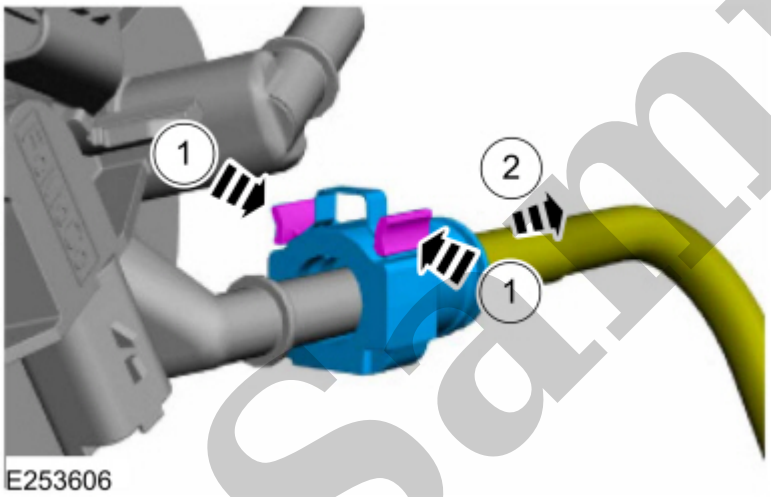
1. If servicing a liquid fuel tube quick release coupling, release the fuel system pressure.

   Refer to: Fuel System Pressure Release(310-00B Fuel System - General Information - 3.3L Duratec-V6, General Procedures).

2. Disconnect the battery ground cable.

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

3. 1. Remove the quick release coupling from the tube.



Click here to learn about symbols, color coding, and icons used in this manual.

Connect

1. 1. **NOTE**

   Pull on the quick release coupling and the fitting to make sure it is securely fastened.

   Snap the locking tab into place.

Type 27

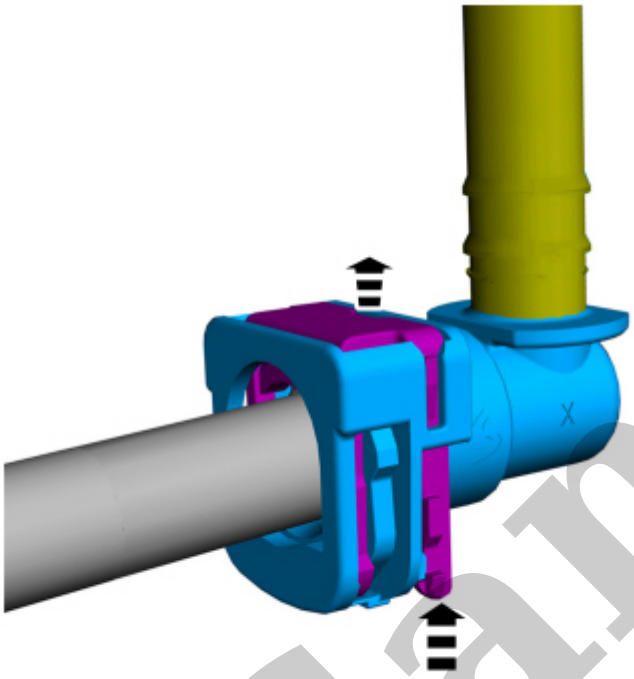
1. If servicing a liquid fuel tube quick release coupling, release the fuel system pressure.

   Refer to: Fuel System Pressure Release(310-00B Fuel System - General Information - 3.3L Duratec-V6, General Procedures).

2. Disconnect the battery ground cable.

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

3.



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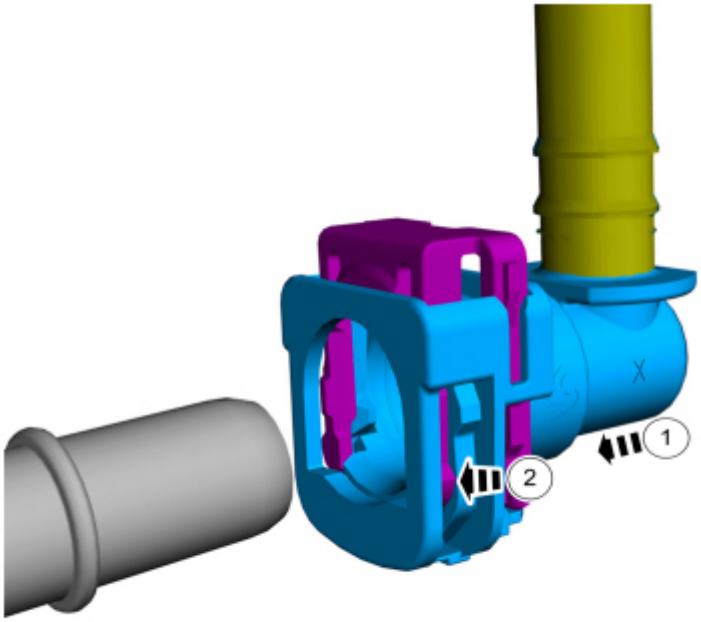
Click here to learn about symbols, color coding, and icons used in this manual.

4. Remove the quick release coupling from the tube.



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Click here to learn about symbols, color coding, and icons used in this manual.

2. Connect the battery ground cable.

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

Disconnect

NOTICE

When reusing liquid or vapor tube connections, make sure to use compressed air to remove any foreign material from the connector retaining clip area before separating from the tube or damage to the tube or connector retaining clip may occur.

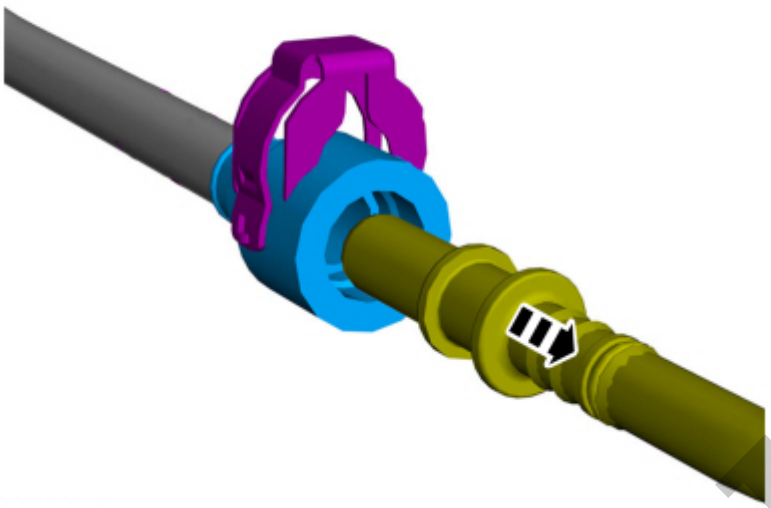
NOTICE

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 or component damage may occur. Always install blanking plugs to any open orifices or tubes.

NOTICE

Click here to learn about symbols, color coding, and icons used in this manual.

4. Remove the tube.



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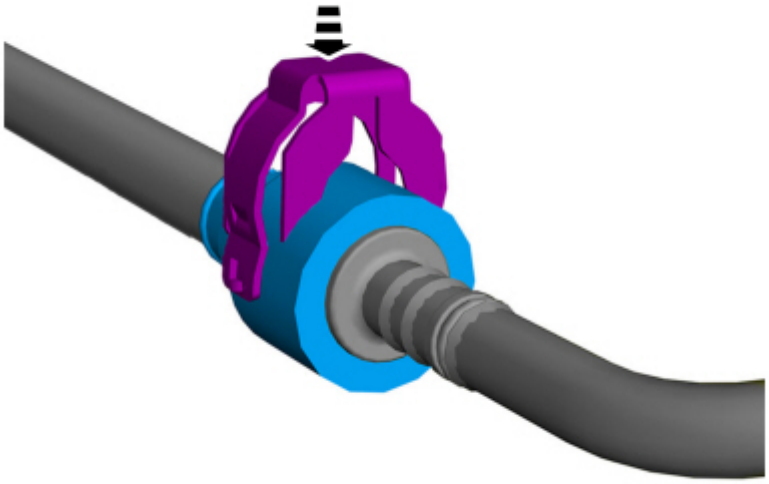
Click here to learn about symbols, color coding, and icons used in this manual.

Connect

1. Insert the tube.



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Click here to learn about symbols, color coding, and icons used in this manual.

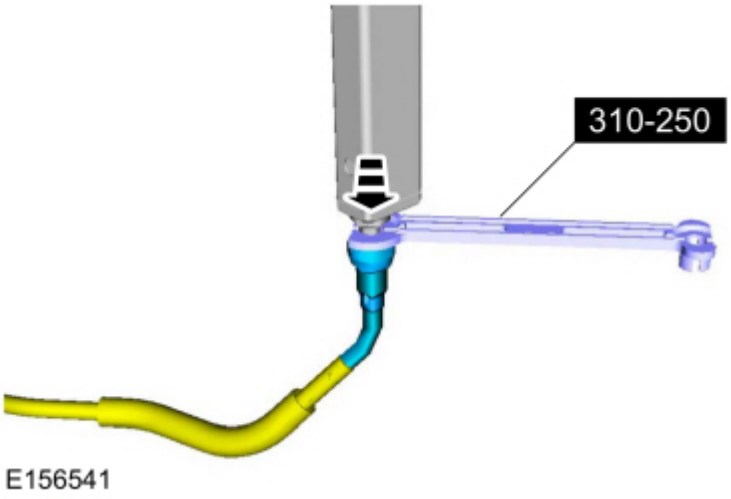
3. Connect the battery ground cable.

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

Refer to: Battery Cables - 3.3L Duratec-V6(414-01 Battery, Mounting and Cables, Removal and Installation).

3. Install the Fuel Line Disconnect Tool on the tube and push into the spring lock coupling to release.

   Use Special Service Tool : 310-250 Disconnect Tool, Fuel Line



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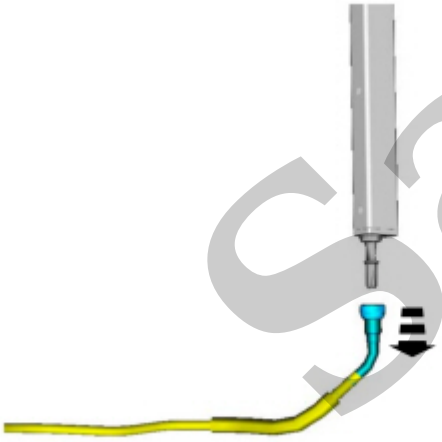
4. Separate the spring lock coupling from the tube.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Connect

1. Align and push the spring lock coupling onto the tube until fully seated.

Specifications

310-00A Fuel System - General Information - 2.7L EcoBoost (238kW/324PS)	***2022 F-150***
Specifications	***Procedure revision date: 08/5/2021***

Specifications

General Specifications

Item	Specification
Fuel Pressure	
Engine running - 2.7L EcoBoost (Low pressure side)	51 –87 psi (350 –600 kPa)
Fuel Tank Capacity	
Standard Fuel Tank Regular and Super Cab.	23 gal (87 L)
Standard Fuel Tank Crew Cab.	26 gal (98 L)
Extended range Fuel Tank.	36 gal (136 L)

- a pressure relief for overpressure protection in the event of restricted fluid flow.
- a lifetime fuel filter providing filtration to protect the fuel injectors from foreign material.

Fuel Pump Shut-off Feature

In the event of a moderate to severe collision, the vehicle is equipped with a Fuel Pump and Sender Shut-off Feature that is initiated by the event notification signal.

The event notification feature provides other vehicle subsystems with information pertaining to restraint system deployment or fuel cutoff status. When an impact occurs which exceeds a predetermined threshold, the RCM (restraints control module) sends a signal on a dedicated circuit to the BCM (body control module) .The BCM (body control module) then sends a signal on a second hard-wired circuit to the PCM (powertrain control module) , which initiates fuel cut-off and disables the fuel system.

Should the vehicle shut off after a collision due to this feature, the vehicle may be restarted by first turning the ignition to the OFF position and then turn the ignition to the ON position. In some instances the vehicle may not start the first time and may take one additional ignition cycle.

Normal Operation and Fault Conditions

Under normal operation, fuel should flow at a steady rate through the fuel tank filler pipe into the fuel tank. As fuel enters the fuel tank air is vented through the filler pipe or the ORVR system. REFER to: Fuel System - Overview(310-00B Fuel System - General Information - 3.3L Duratec-V6, Description and Operation).

Possible Sources

- Fuel tank filler pipe
- Fuel tank filler pipe vent tube, if equipped
- Evaporative emission system
- Fuel tank inlet check valve (part of the fuel tank)
- Fuel level vent valve (part of the fuel tank)

A1 CHECK COMPONENTS FOR SIGNS OF DAMAGE

- Visually inspect the following components for signs of damage:
  - Fuel tank filler pipe
  - Fuel tank filler pipe vent tube, if equipped
  - EVAP (evaporative emission) system
  - Fuel tank inlet check valve (part of the fuel tank)
  - Fuel level vent valve (part of the fuel tank)

Was the cause of the concern found?

Yes	REPAIR or INSTALL new components to correct the concern.

No	GO to A2

A2 CHECK THE SYSTEM FOR ANY EVAP (EVAPORATIVE EMISSION) DTC'S