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1992 FORD Thunderbird OEM Service and Repair Workshop Manual

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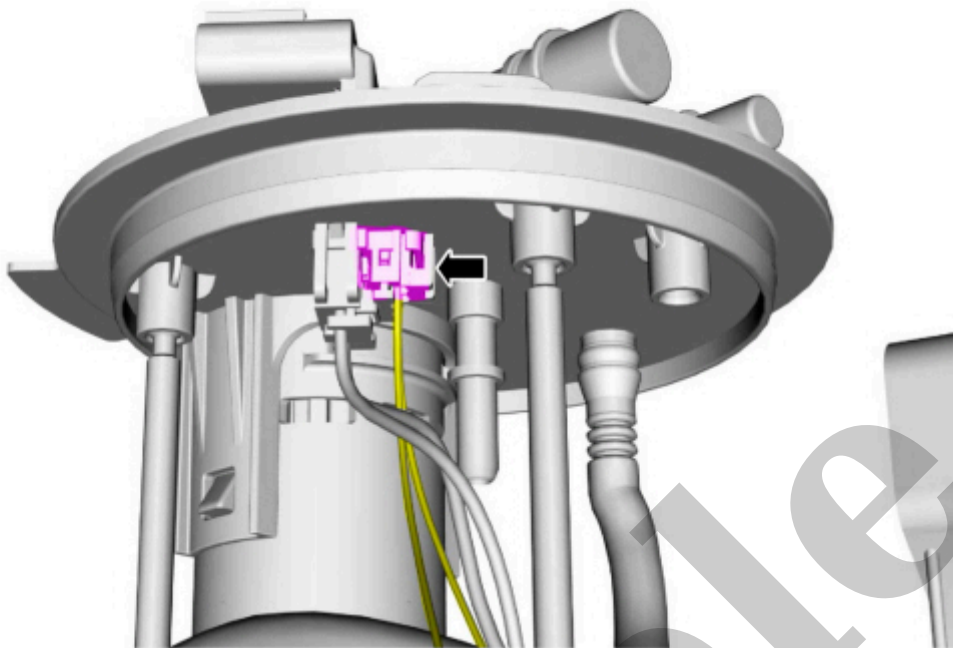
control module) U0109:00	Module 'A': No Sub Type Information	calibrated amount of time. The PCM (powertrain control module) monitors the FPM circuit for the presence of a duty cycled signal. If the FPM circuit is fixed at a low or high voltage, the PCM (powertrain control module) begins to increment a counter.
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Possible Sources

- Fuel pump circuitry concern
- IES signal circuitry concern
- Fuel pump control module relay
- Fuel pump control module (9D370)
- Fuel pump (9H307)
- PCM (powertrain control module) (12A650)

Pinpoint Test Steps available in the on-line Workshop Manual.

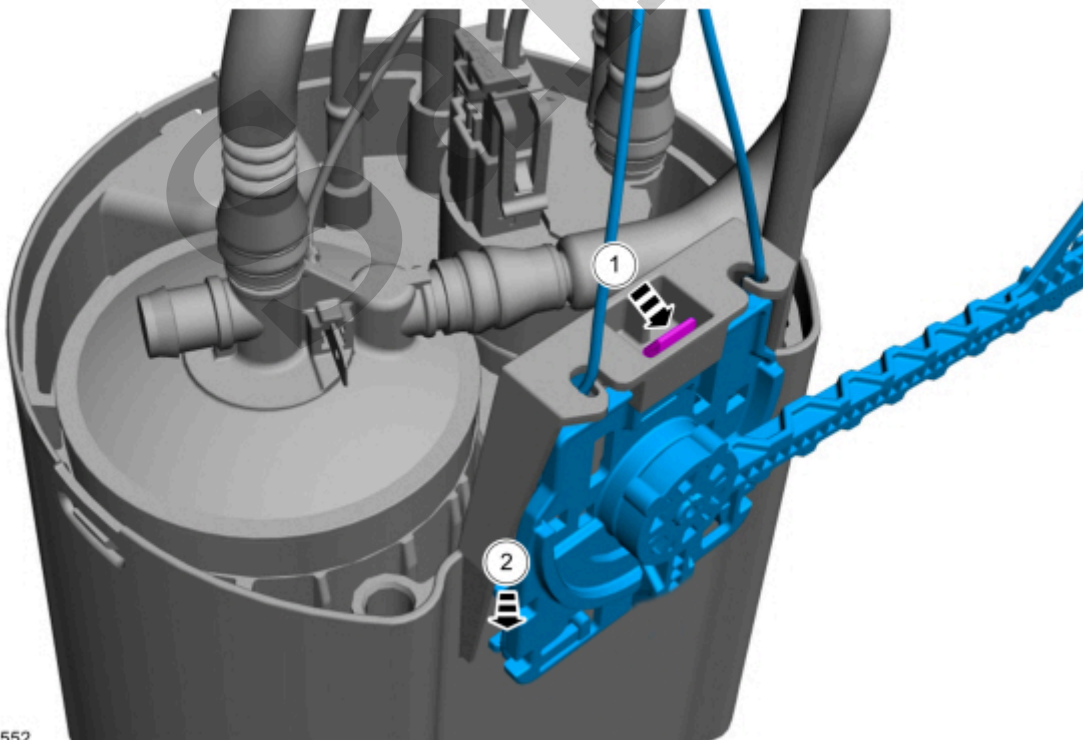
E188521



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3.
 1. Release the retainer tab.
 2. Remove the fuel level sender.

E330552





Fuel Lines

310-01C Fuel Tank and Lines - 3.5L EcoBoost (BM)	2022 F-150
Removal and Installation	Procedure revision date: 09/30/2020

Fuel Lines

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](#)(310-00C Fuel System - General Information - 3.5L EcoBoost (BM), General Procedures).

3. Disconnect the battery ground cable.

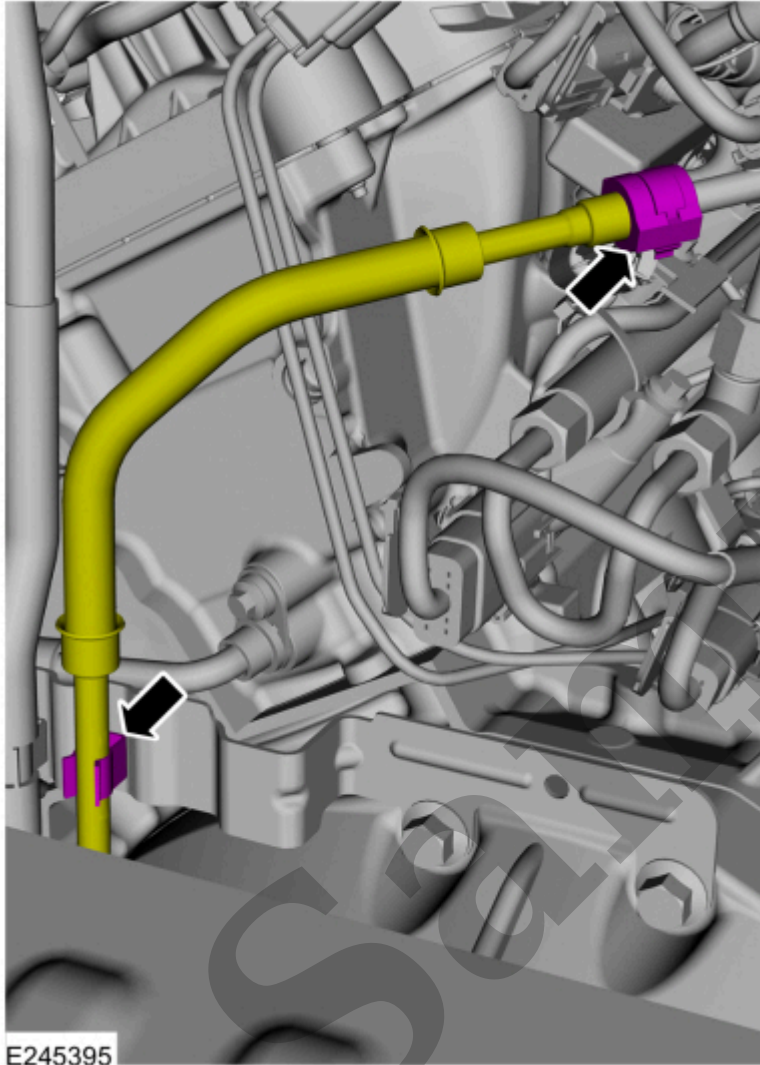
Refer to: [Battery Cables - 3.5L EcoBoost \(BM\)](#)(414-01 Battery, Mounting and Cables, Removal and Installation).

4. Remove the engine appearance cover retainers, release the engine appearance cover from the rear retainers and then remove the engine appearance cover.

Torque : 97 lb.in (11 Nm)

6. • Separate the fuel supply line from the bracket on the upper transmission bell housing.
- Disconnect the fuel supply line quick release coupling.

Refer to: [Quick Release Coupling](#)(310-00C Fuel System - General Information - 3.5L EcoBoost (BM), General Procedures).



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

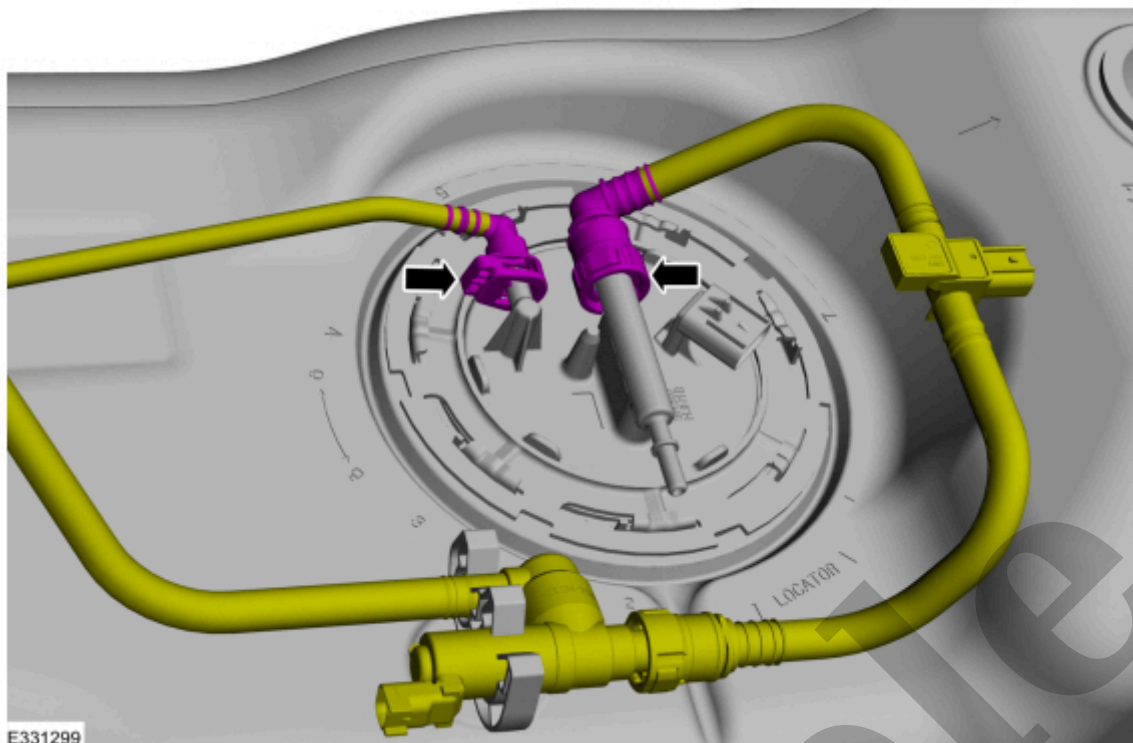
7. Release the retainer clip on the rear of the transmission and position aside the fuel supply line.

Installation

1. To install, reverse the removal procedure.

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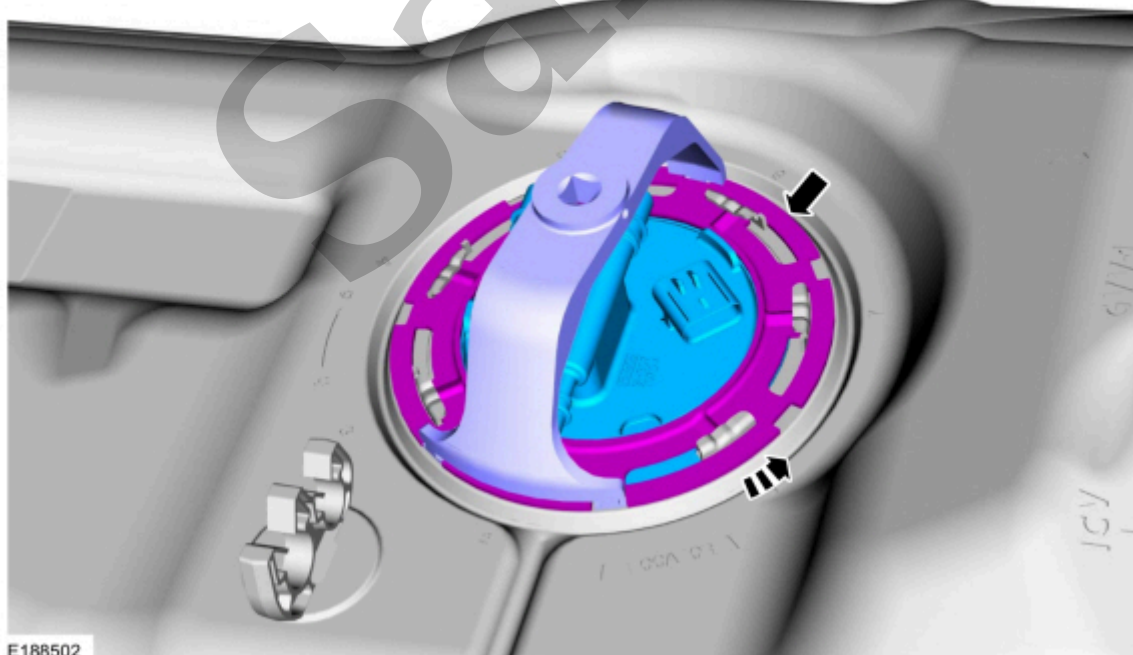
Sample



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3. Using the lock ring tool, unlock and remove the Fuel Pump and Sender unit lock ring.

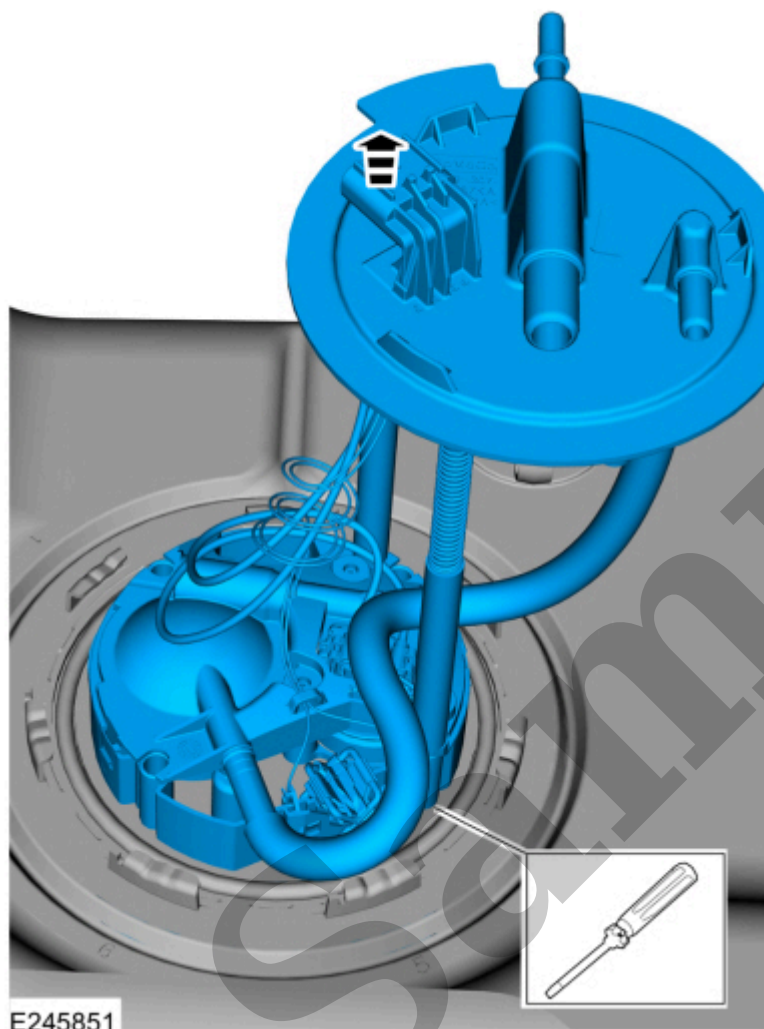
Use Special Service Tool : 310-123 Locking Ring, Fuel Tank



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

Inspect the mating surfaces of the Fuel Pump and Sender Unit flange and fuel tank O-ring seal contact surfaces. Wipe clean with a lint free towel. Install a new Fuel Pump and Sender Unit or fuel tank if the O-ring seal contact area is bent, scratched or corroded.

Remove the Fuel Pump and Sender Unit.



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

Installation

1. NOTE

Make sure to install a new Fuel Pump and Sender Unit O-ring seal.

NOTE



Fuel Tank Filler Pipe

310-01C Fuel Tank and Lines - 3.5L EcoBoost (BM)	2022 F-150
Removal and Installation	Procedure revision date: 10/1/2020

Fuel Tank Filler Pipe

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. Disconnect the battery ground cable.

Refer to: [Battery Cables - 3.5L EcoBoost \(BM\)](#)(414-01 Battery, Mounting and Cables, Removal and Installation).

3. Remove the rear driveshaft.

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

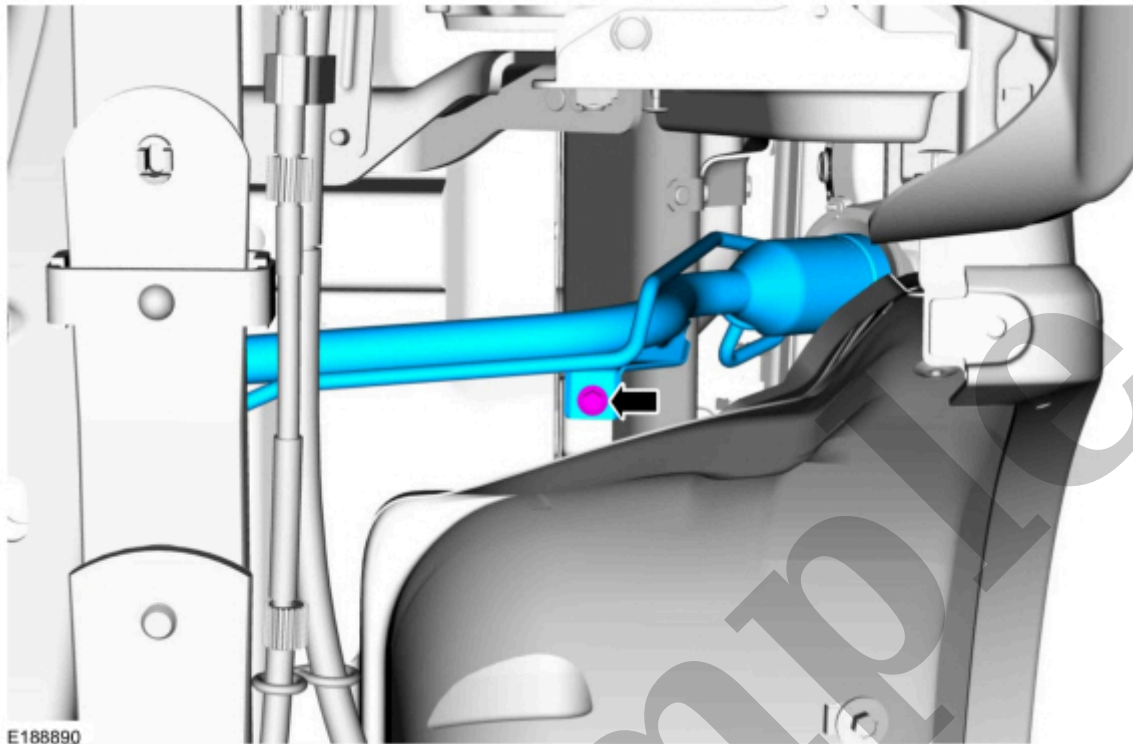
4. Release the clamp and position the fuel filler pipe aside.

Torque : 44 lb.in (5 Nm)

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6. Remove the bolt and then dislodge and remove the fuel tank filler pipe.

Torque : 133 lb.in (15 Nm)



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Installation

1. To install, reverse the removal procedure.

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