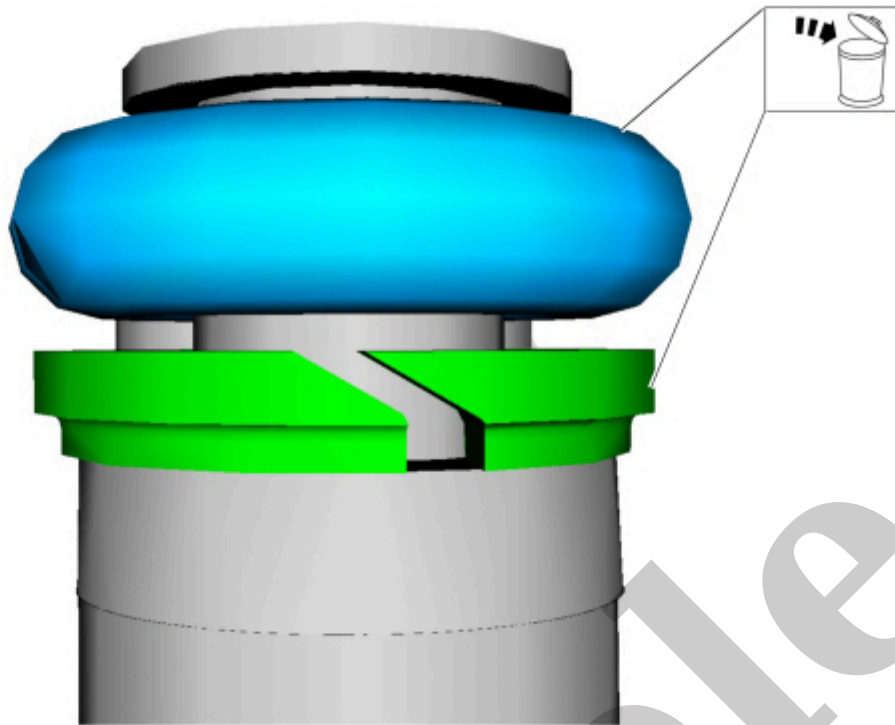


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FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2023 Ford F-450 Super Duty Service and Repair Manual

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E166878

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11. NOTICE

Use care when removing the lower Teflon® seals, not to scratch, nick or gouge the fuel injector.

NOTICE

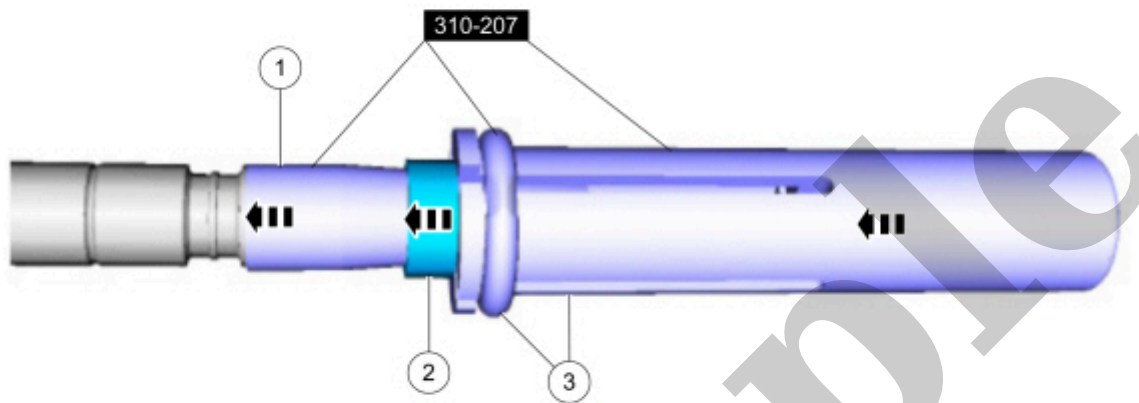
Do not attempt to cut the lower Teflon® seal without first pulling it away from the fuel injector or damage to the injector may occur.

1. Pull the lower Teflon® seal away from the injector.
2. Carefully cut and discard the lower fuel injector Teflon® seal.

3. Using the Pusher Tool, slide the Teflon® seals off of the Teflon® Seal Guide and into the groove on the fuel injectors.

Use Special Service Tool : 310-207 Installer, Fuel Injector Seal Assembly

4. Remove the special tools.



E168242

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2. NOTE

Make sure the Teflon® seal is fully seated in the groove on the fuel injector before sizing the Teflon® seal.

NOTE

The beveled opening of the Teflon® seal sizer tool goes away from the seal.

NOTE

Do not use the injector without re-forming the Teflon seal after replacing.

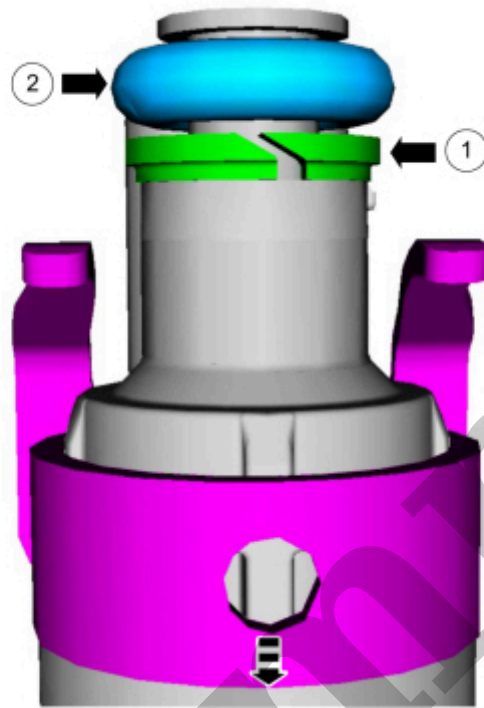
1. Use a soft brush to clean the inside of the re-forming tool before each use.

may cause the fuel system to leak.

Install the new the fuel injector support rings.

2. Install the new fuel injector O-ring seals.

3. Install the new the fuel injector clips.



E168451

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4. NOTICE

Do not re-use a fuel injector if it is dropped.

Install the fuel injectors to the fuel rail.

6. NOTE

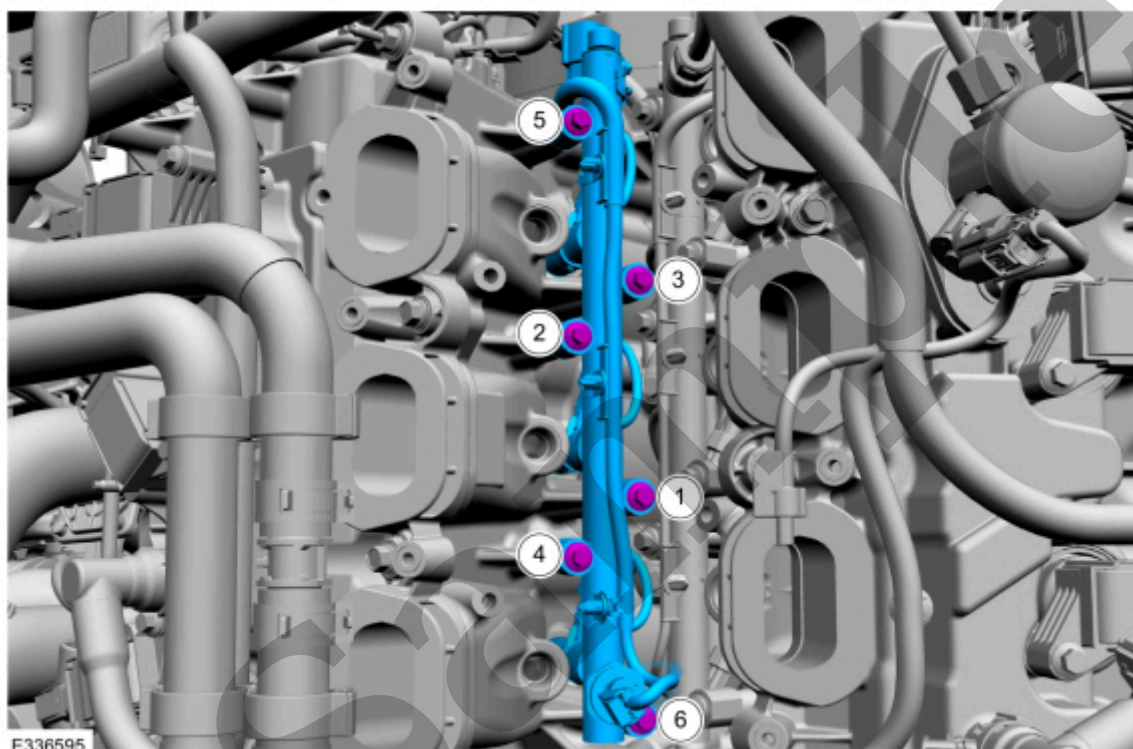
Do not lubricate the new lower Teflon® fuel injector seals.

Install the fuel rail, push down on the fuel rail above the injectors, then tighten the fuel rail bolts in the following 2 stages, in the sequence shown.

Torque :

Stage 1: Tighten to : 89 lb.in (10 Nm)

Stage 2: Tighten an additional : 45°

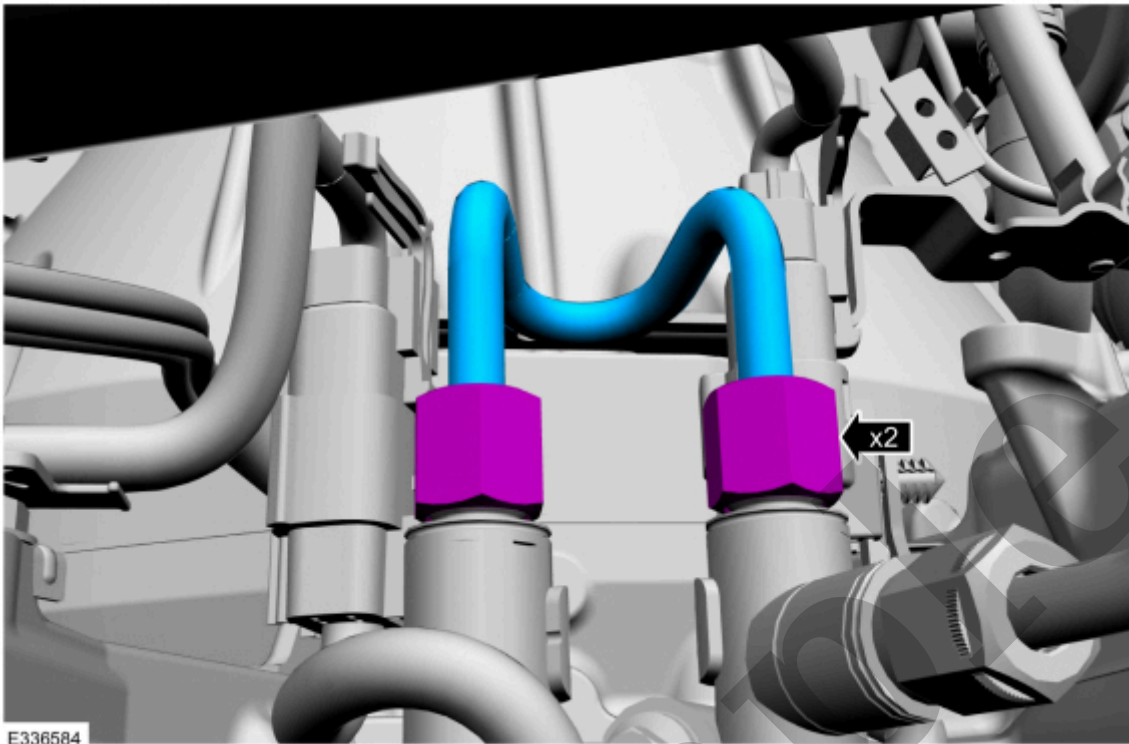


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7. Connect the fuel injector main harness electrical connector.

Stage 2: Tighten to : 89 lb.in (10 Nm)

Stage 3: Tighten an additional : 30°



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9. Install the port injection fuel rail.

Refer to: [Port Injection Fuel Rail](#) (303-04D Fuel Charging and Controls - 3.5L V6 PowerBoost (CN), Removal and Installation).

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Fuel Pump Driver Module (FPDM)

303-04C Fuel Charging and Controls - 3.5L EcoBoost (BM)	2022 F-150
Removal and Installation	Procedure revision date: 10/1/2020

Fuel Pump Driver Module (FPDM)

Removal

NOTE

The fuel pump driver module is located on top of a rear frame crossmember.

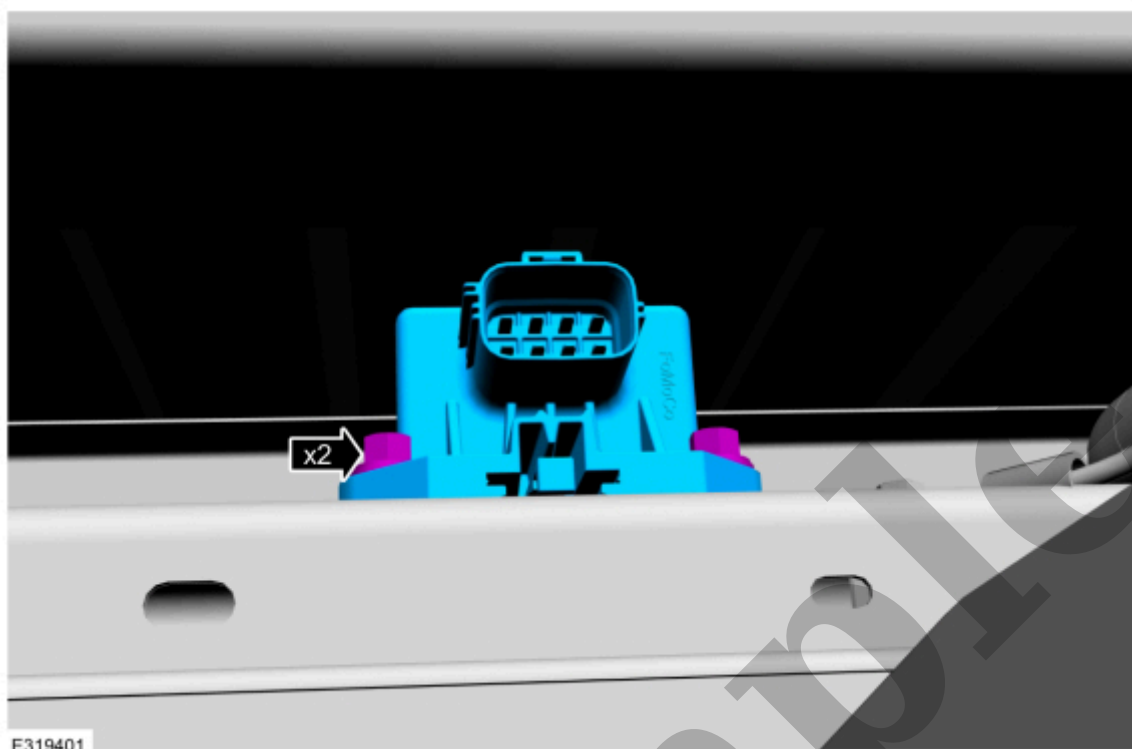
1. With the vehicle in NEUTRAL, position it on a hoist.

Refer to: [Jacking and Lifting - Overview](#)(100-02 Jacking and Lifting, Description and Operation).

2. Disconnect the fuel pump driver module electrical connector.

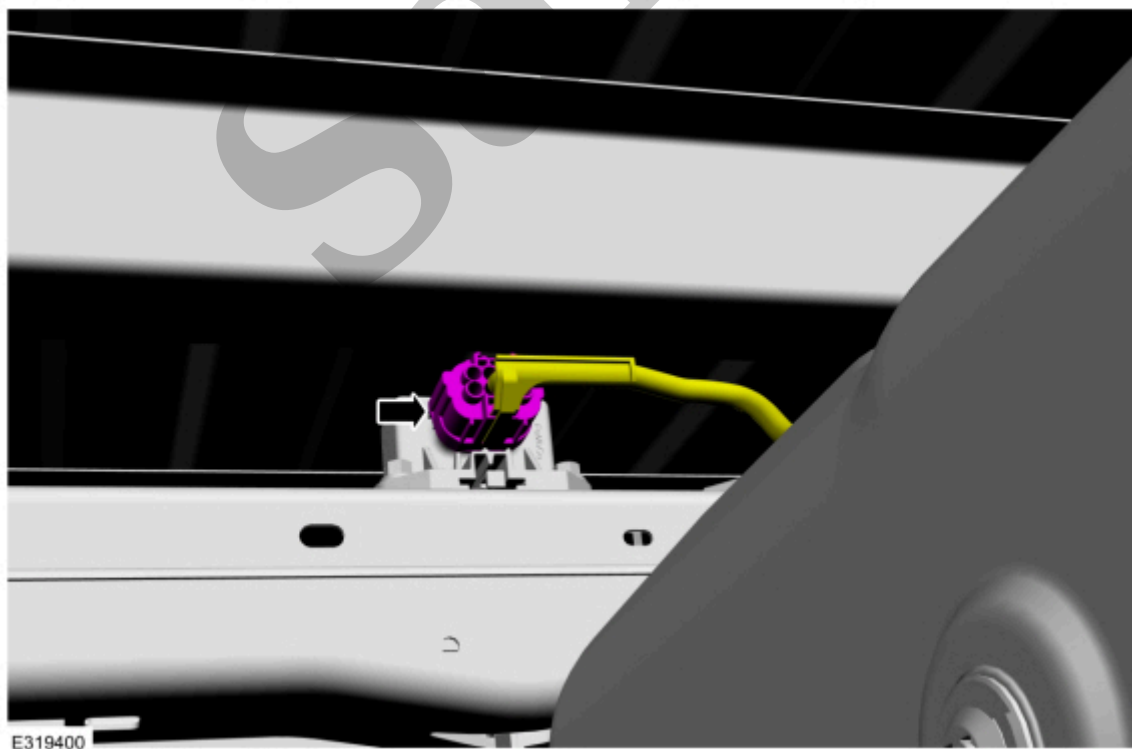
1. Install the fuel pump driver module, then install and tighten the fuel pump driver module bolts.

Torque : 133 lb.in (15 Nm)



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

2. Connect the fuel pump driver module electrical connector.





High-Pressure Fuel Pump Drive Unit

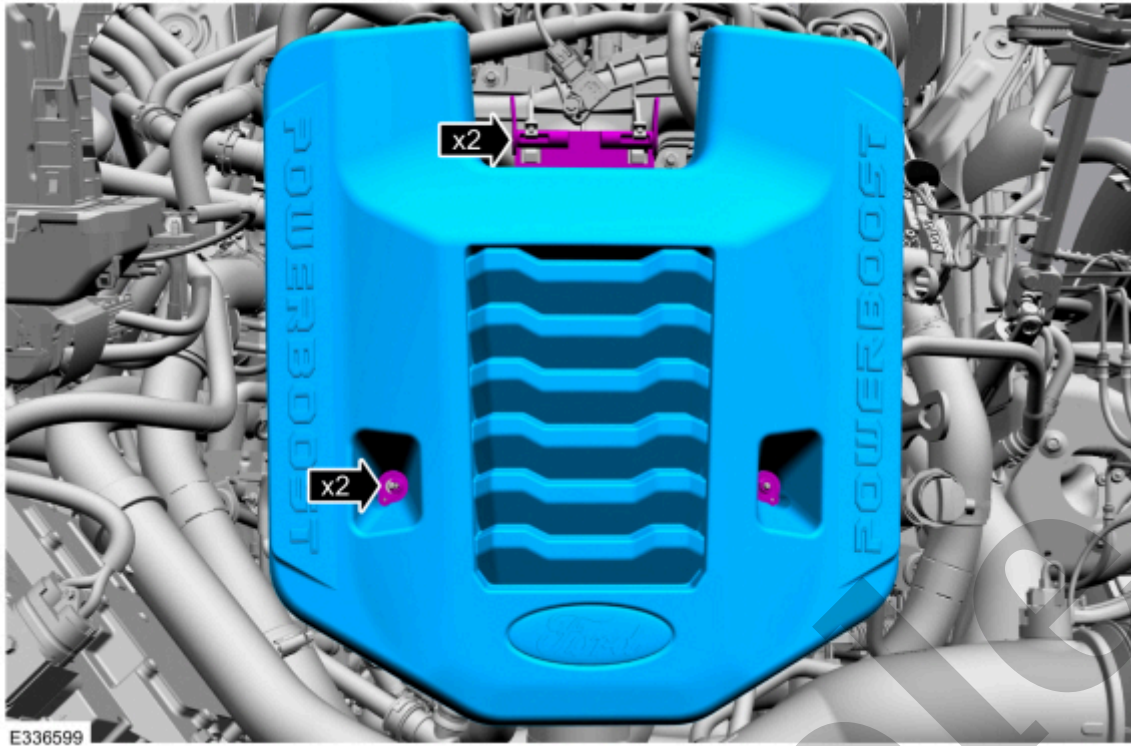
<i>303-04C Fuel Charging and Controls - 3.5L EcoBoost (BM)</i>	<i>2022 F-150</i>
<i>Removal and Installation</i>	<i>Procedure revision date: 10/12/2018</i>

High-Pressure Fuel Pump Drive Unit

Removal and Installation

1. The high-pressure fuel pump drive unit is part of the left cylinder head.
Refer to: [Cylinder Head LH](#)(303-01B Engine - 3.3L Duratec-V6, Removal and Installation).

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3. Release the fuel system pressure.

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

4. Disconnect the battery.

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

5. Disconnect the high-pressure fuel pump electrical connector.