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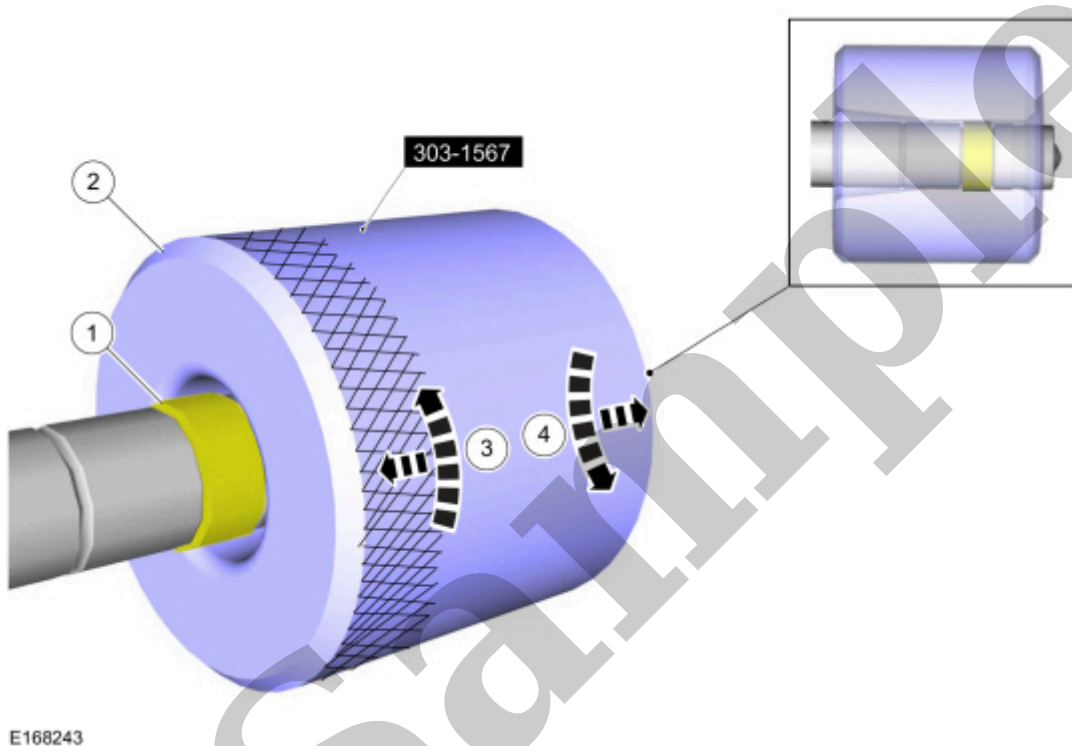
2023 Ford Transit-150 Service and Repair Manual

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2. Massage and warm the Teflon® seal with your fingers before the Teflon® seal sizer tool is installed. This will aid in installing the Teflon® seal sizer tool.
3. Position the Teflon® seal sizer tool with the larger opening towards the Teflon® seal. Push while turning the Teflon® seal sizer tool 180 degrees.

Use Special Service Tool : 303-1567 Sizer, Teflon Seal

4. Once the Teflon® seal sizer tool is installed, check and make sure the Teflon® seal is in the sizing portion of the Teflon® seal sizer tool.
5. After one minute, turn the Teflon® seal sizer tool back 180 degrees and remove.



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3. NOTICE

Take care to prevent foreign substances from adhering to the O-ring or the seal surface.

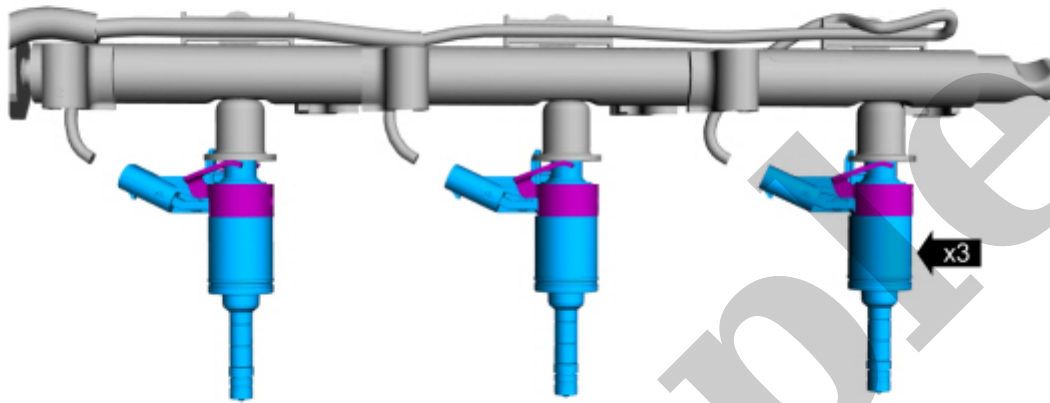
NOTICE

Take care to prevent foreign substances from entering the fuel injector inlet.

NOTE

The anti-rotation finger of the fuel injector must slip into the groove of the fuel rail cup.

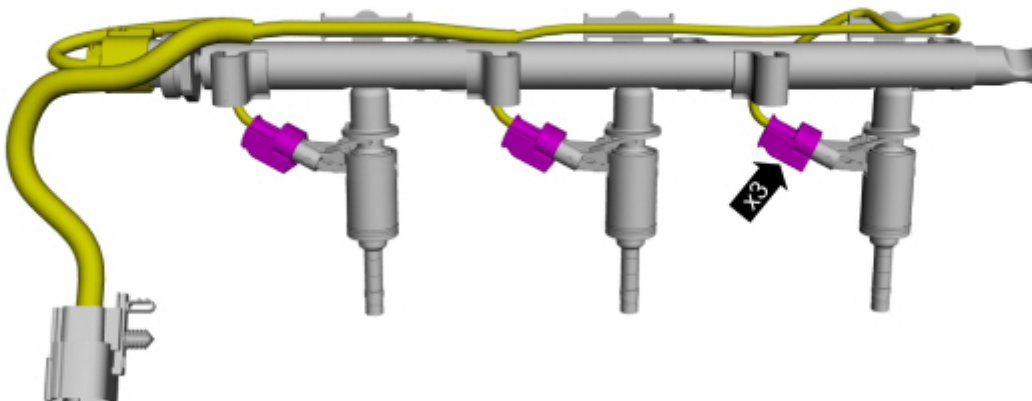
Install the fuel injectors to the fuel rail.



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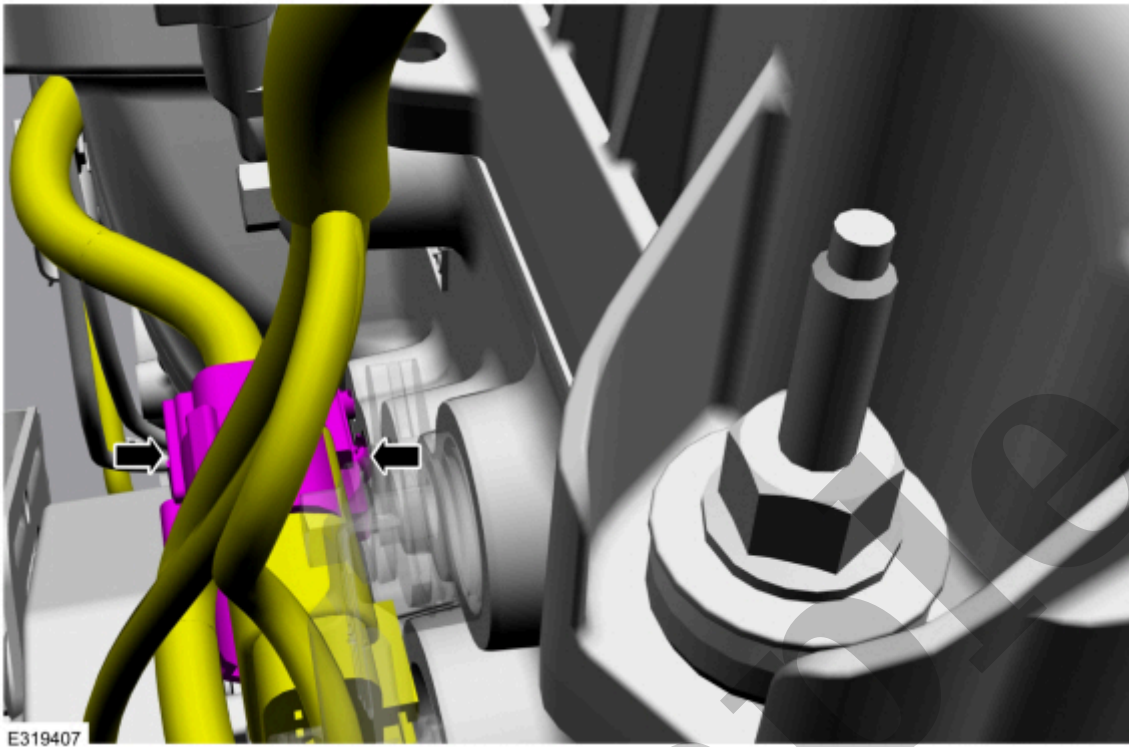
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5. Connect the fuel injector electrical connectors.



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7. Connect the right fuel injector main harness electrical connector. Attach the electrical connector retainer to the rear of the right cylinder head.



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8. Install the right front fender splash shield.

Refer to: [Fender Splash Shield](#)(501-02 Front End Body Panels, Removal and Installation).

9. Install the direct injection fuel rail LH.

Refer to: [Direct Injection Fuel Rail LH](#)(303-04B Fuel Charging and Controls - 3.3L Duratec-V6, Removal and Installation).



Fuel Pump Driver Module (FPDM)

<i>303-04B Fuel Charging and Controls - 3.3L Duratec-V6</i>	<i>2022 F-150</i>
<i>Removal and Installation</i>	<i>Procedure revision date: 10/1/2020</i>

Fuel Pump Driver Module (FPDM)

Removal

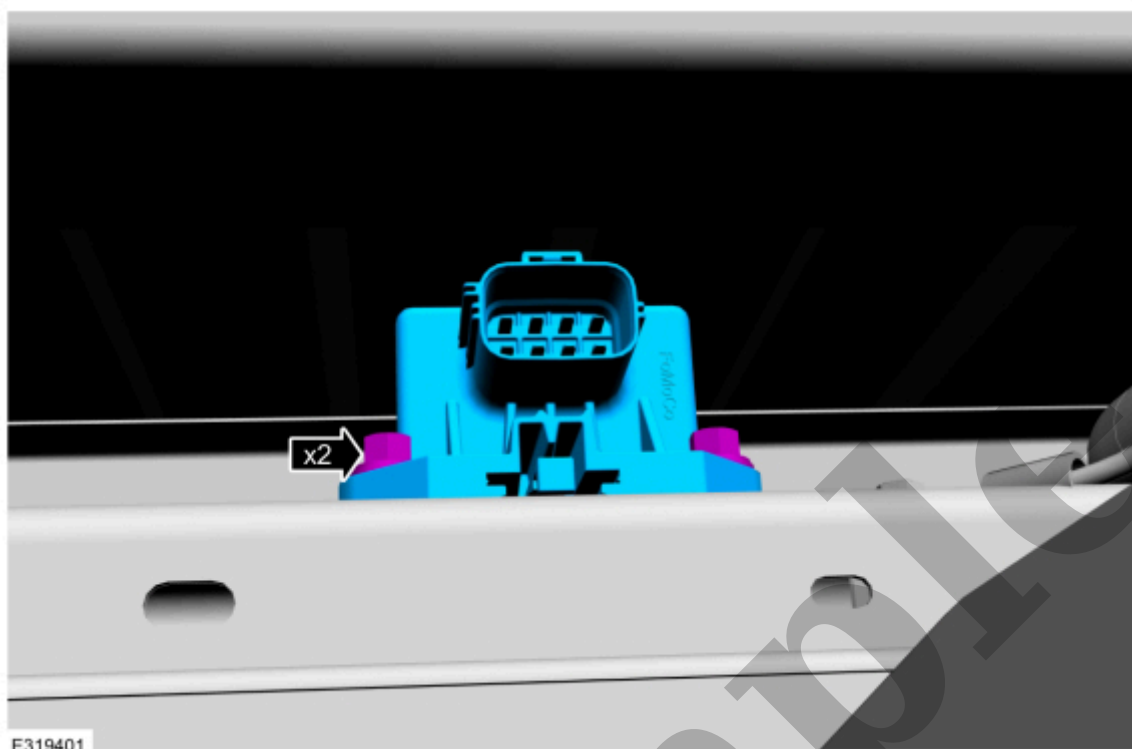
NOTE

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.

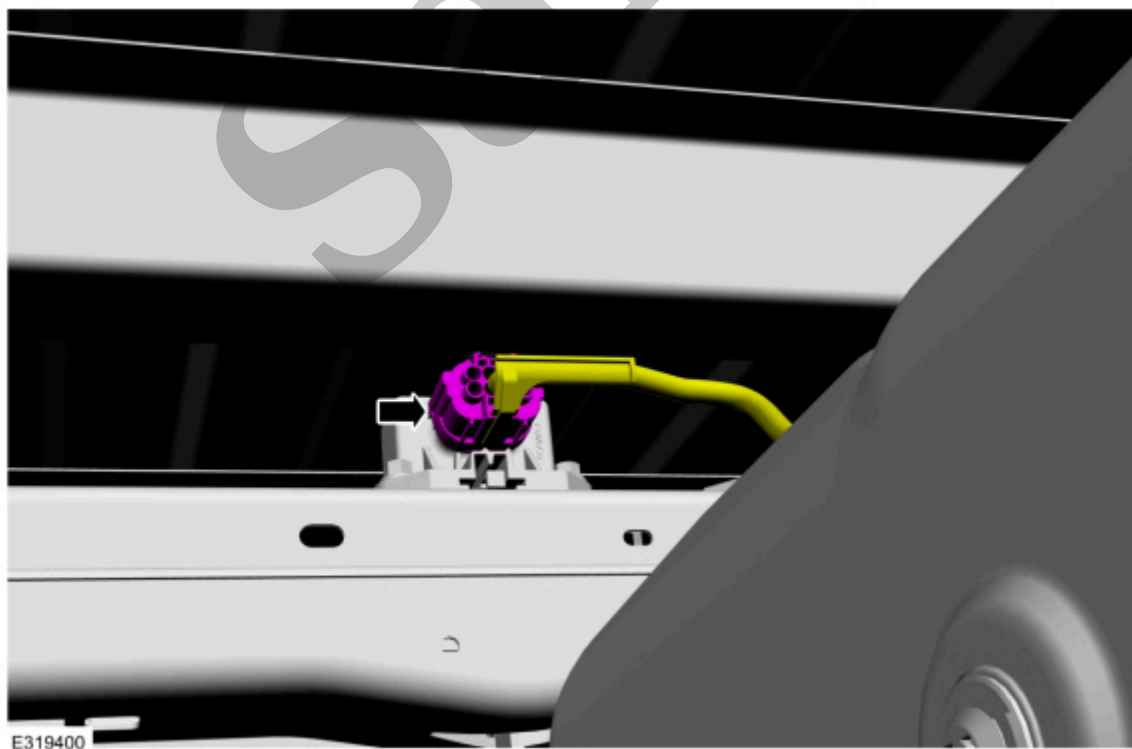
1. Install the fuel pump driver module, then install and tighten the fuel pump driver module bolts.

Torque : 133 lb.in (15 Nm)



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2. Connect the fuel pump driver module electrical connector.





High-Pressure Fuel Pump Drive Unit

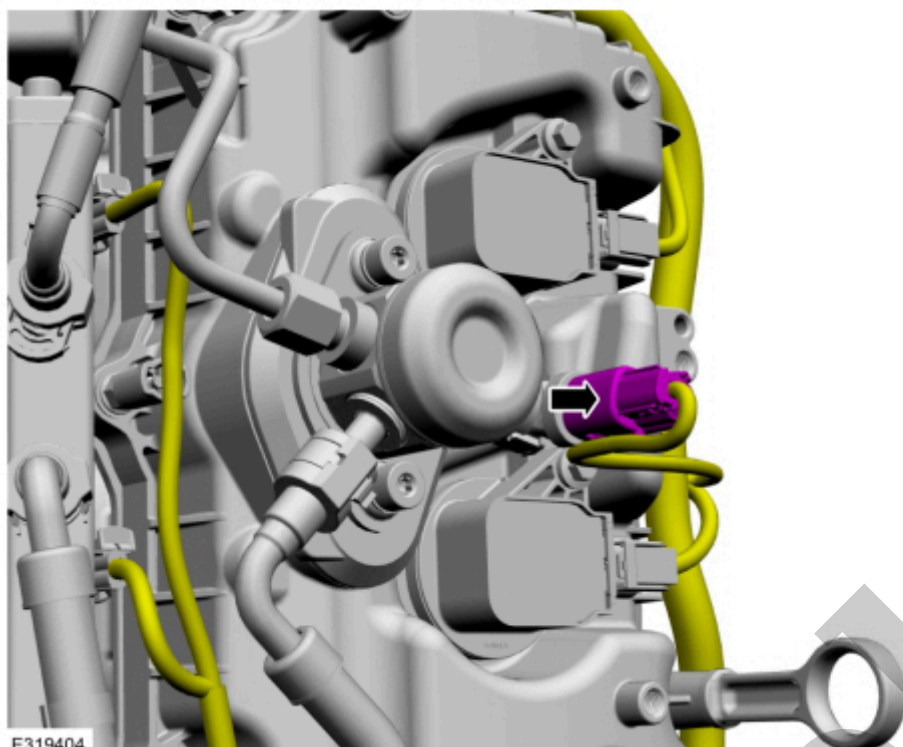
<i>303-04B Fuel Charging and Controls - 3.3L Duratec-V6</i>	<i>2022 F-150</i>
<i>Removal and Installation</i>	<i>Procedure revision date: 10/12/2018</i>

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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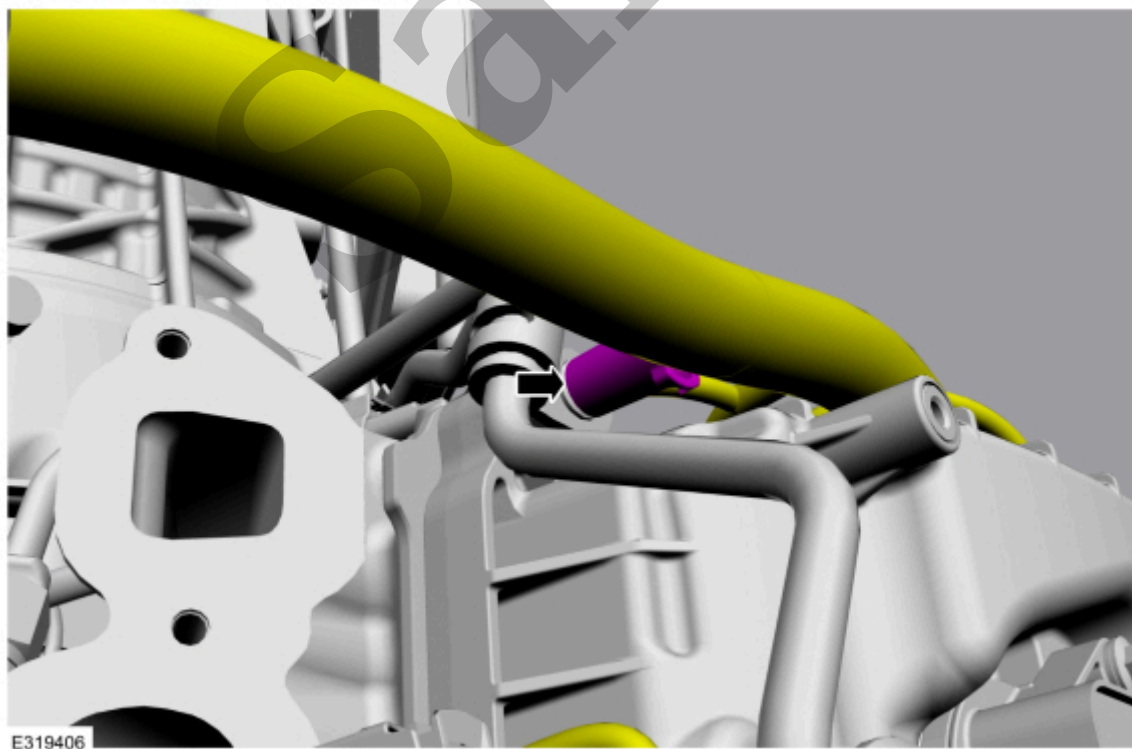


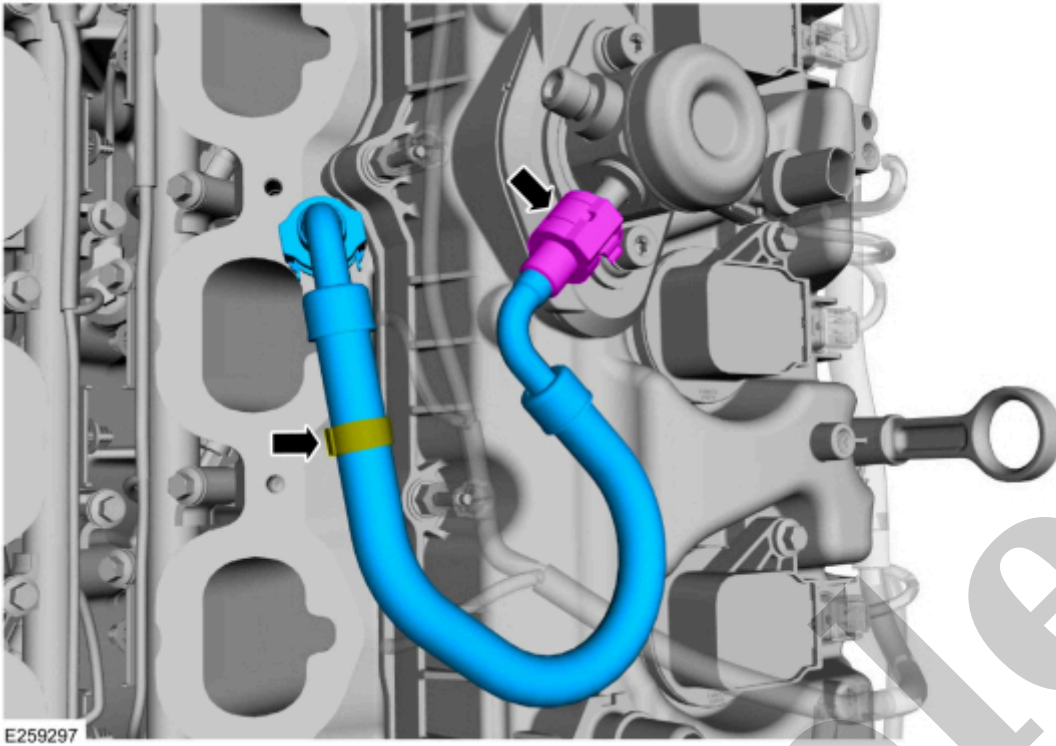
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5. Remove the lower intake manifold.

Refer to: [Lower Intake Manifold](#)(303-01B Engine - 3.3L Duratec-V6, Removal and Installation).

6. Detach the harness retainer.



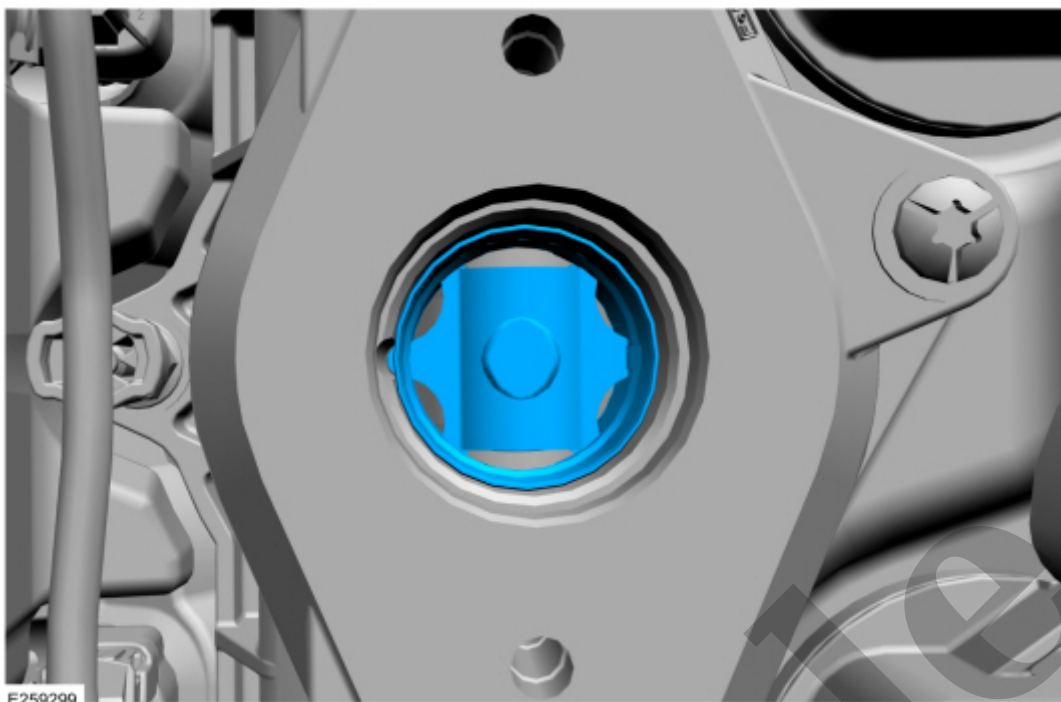


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9. **NOTE**

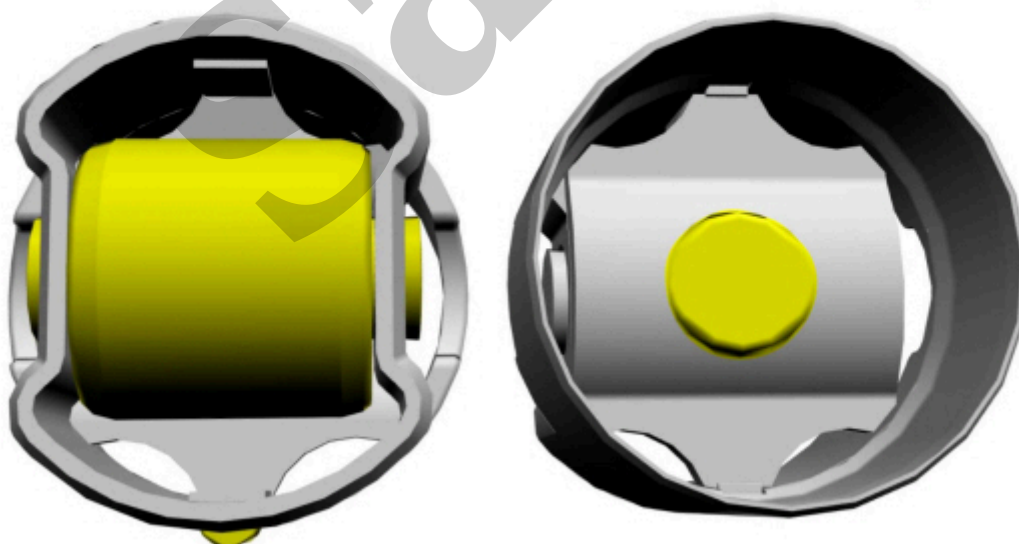
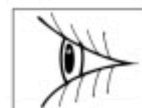
Alternately loosen the high-pressure fuel pump bolts one complete revolution at a time.

Remove and discard the high-pressure fuel pump bolts, then remove the high-pressure fuel pump.



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12. Inspect the high-pressure fuel pump roller tappet. If any flat spots or scoring are found, especially in the indicated areas, then inspect the high-pressure fuel pump and the high-pressure fuel pump roller tappet drive lobe. Install new components as needed.



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