

Your Ultimate Source for OEM Repair Manuals

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-550 Super Duty Service and Repair Manual

[Go to manual page](#)

8. NOTICE

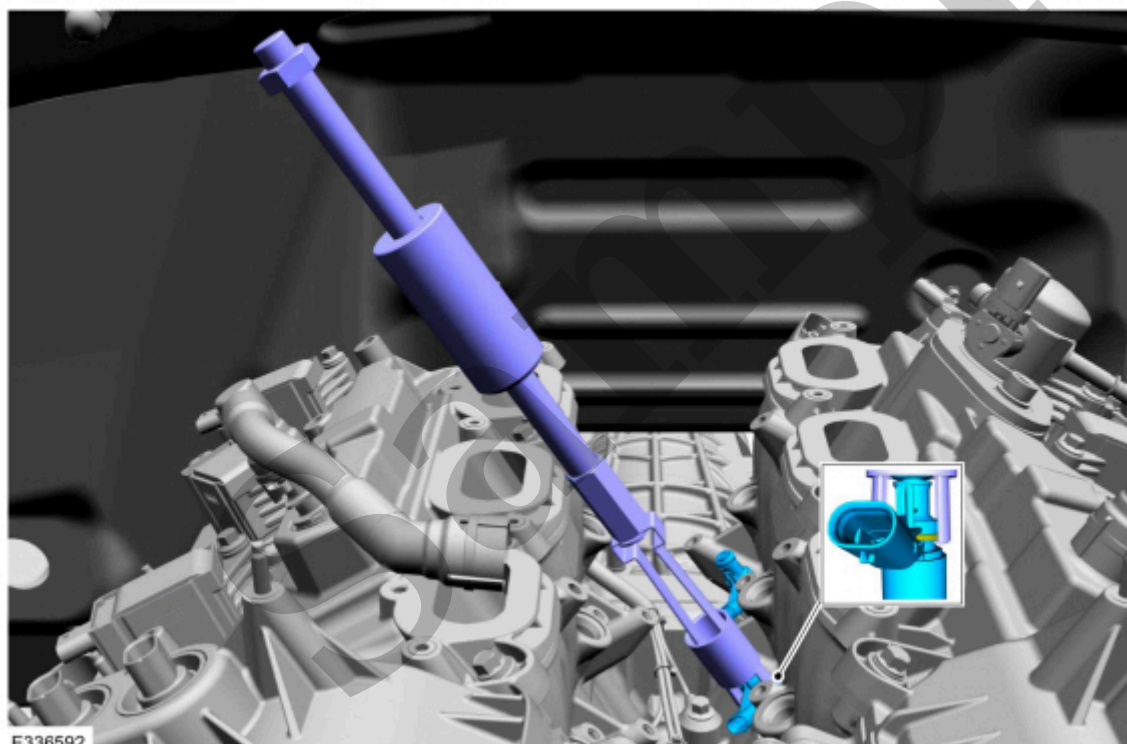
Use minimal force to remove the fuel injectors that remained in the cylinder head with the Fuel Injector Remover tool or damage to the fuel injector assembly may occur. Wiggling the injector by hand to break it loose may allow the injector to be removed by hand.

NOTE

Commercially available OTC 5028 8-1/2" long slide hammer may be substituted for 307-005 where there are clearance concerns.

Using the special tools, remove any of the fuel injectors that remained in the cylinder head.

Use Special Service Tool : 307-005 (T59L-100-B) Slide Hammer , 310-206 Remover, Fuel Injector

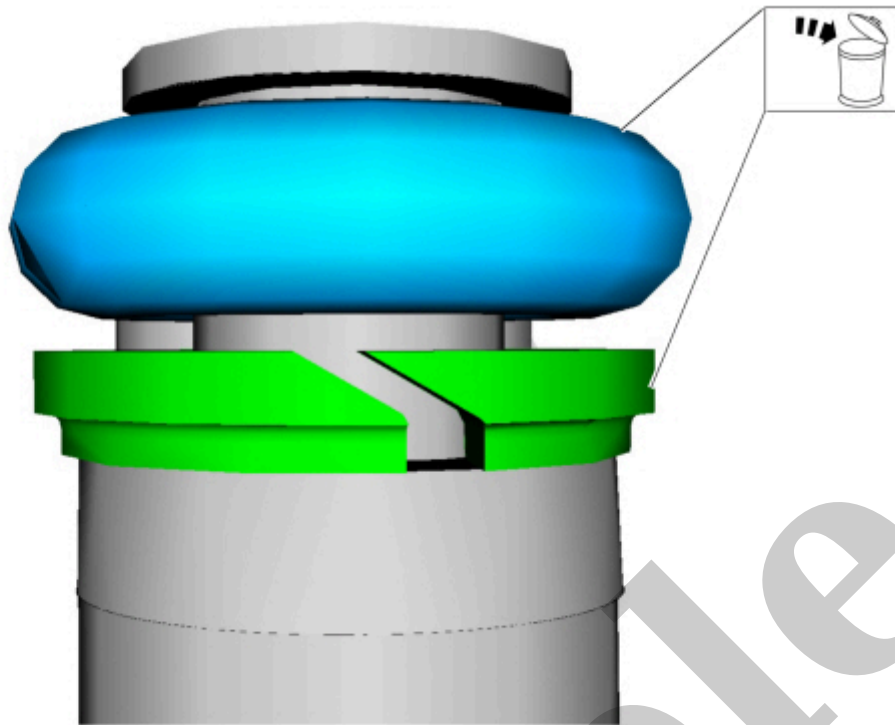


[Click here to learn about symbols, color coding, and icons used in this manual.](#)

9. NOTICE

Do not use compressed air to clean the tip of the fuel injector.

NOTICE



E166878

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

11. NOTICE

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

NOTICE

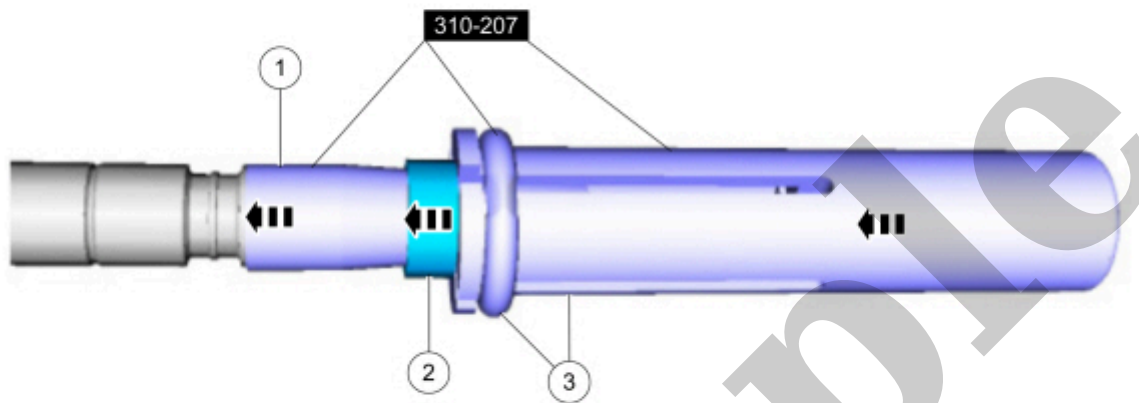
Do not attempt to cut the lower Teflon® seal without first pulling it away from the fuel injector or damage to the injector may occur.

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

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

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.

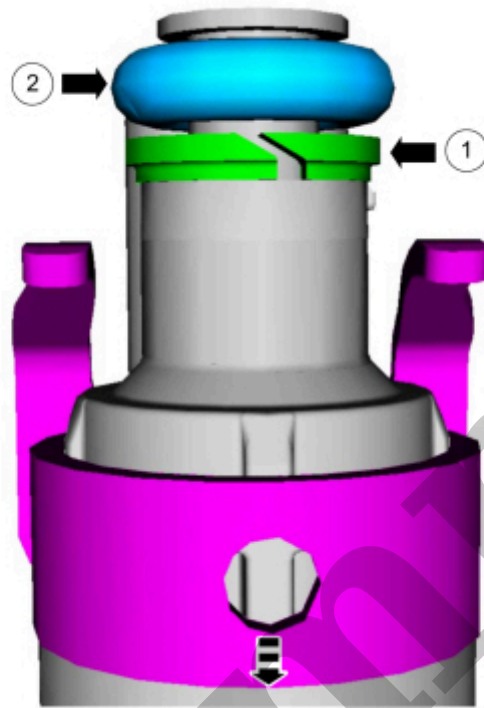
1. Use a soft brush to clean the inside of the re-forming tool before each use.

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

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

4. NOTICE

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

Install the fuel injectors to the fuel rail.

6. **NOTE**

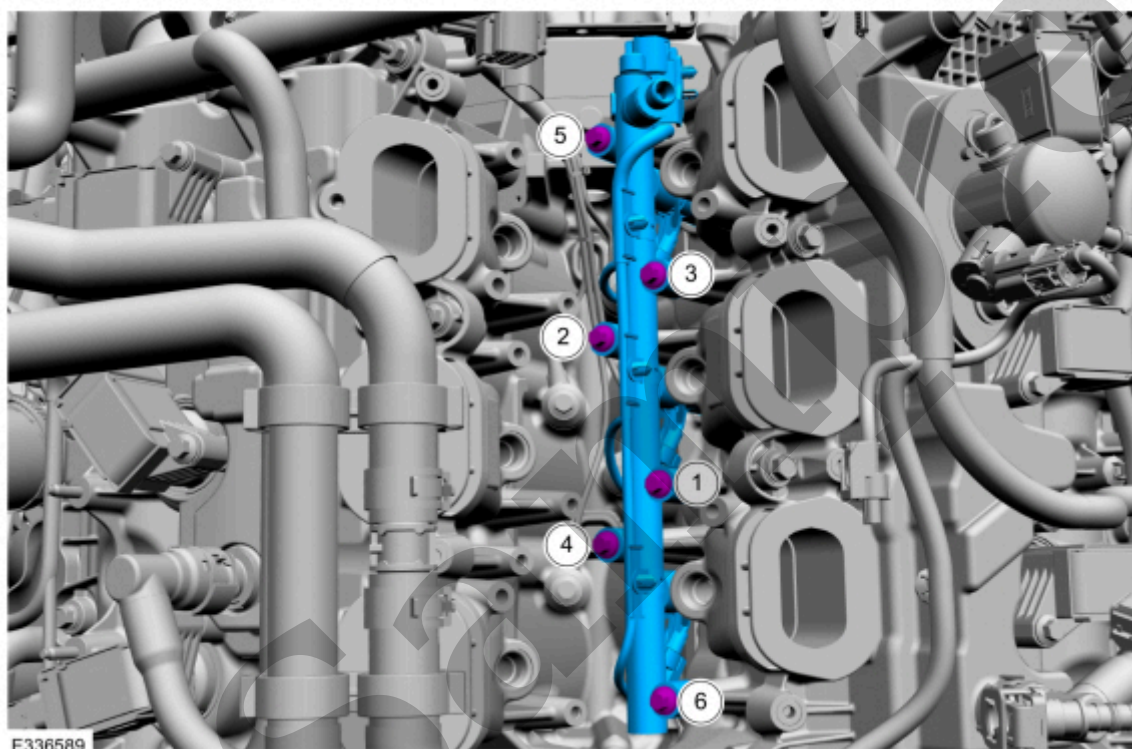
Do not lubricate the new lower Teflon® fuel injector seals.

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°



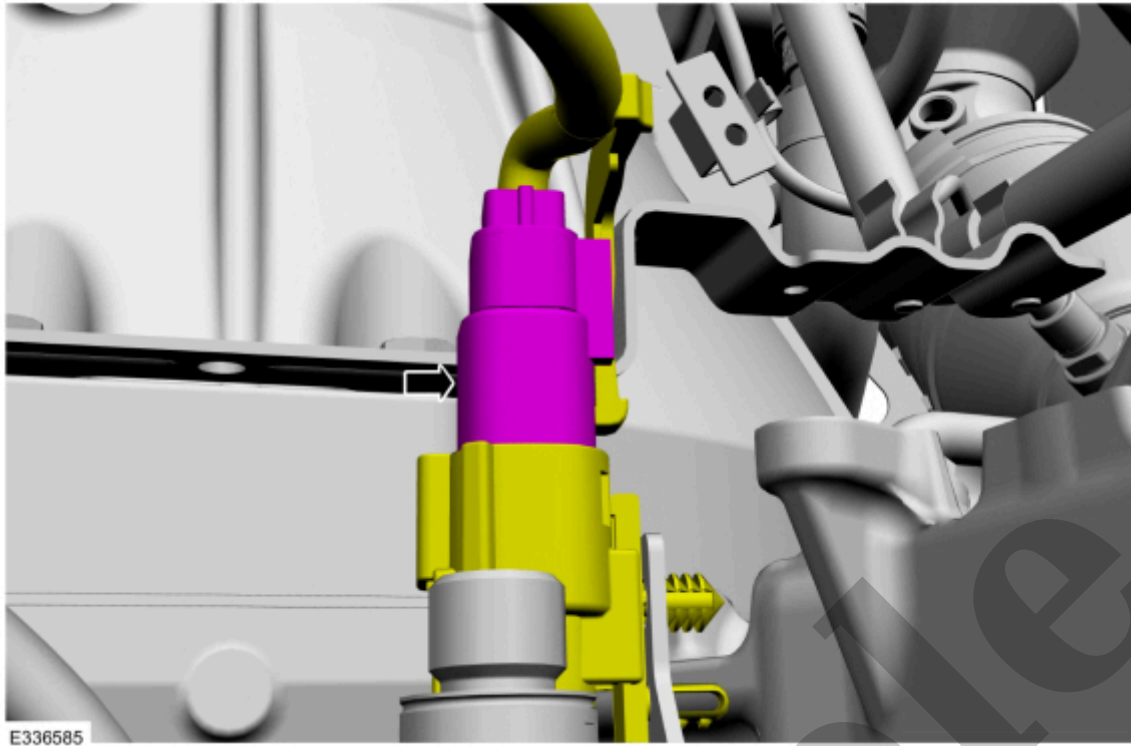
[Click here to learn about symbols, color coding, and icons used in this manual.](#)

7. 1. Calculate the correct torque wrench setting for the following torque using the Torque Wrench Adapter Formulas.

2. **NOTE**

Make sure that a new high-pressure fuel tube is installed.

Install the high-pressure fuel tube and tighten the flare nuts finger tight.

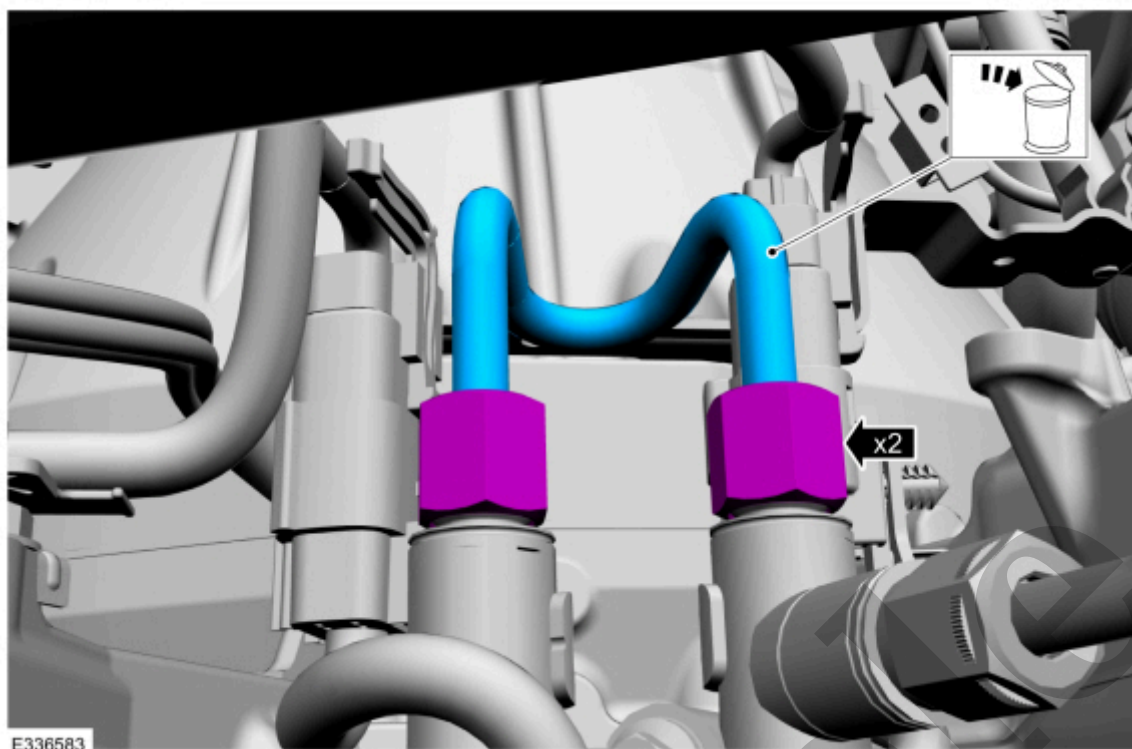


[Click here to learn about symbols, color coding, and icons used in this manual.](#)

9. Install the direct injection fuel rail RH.

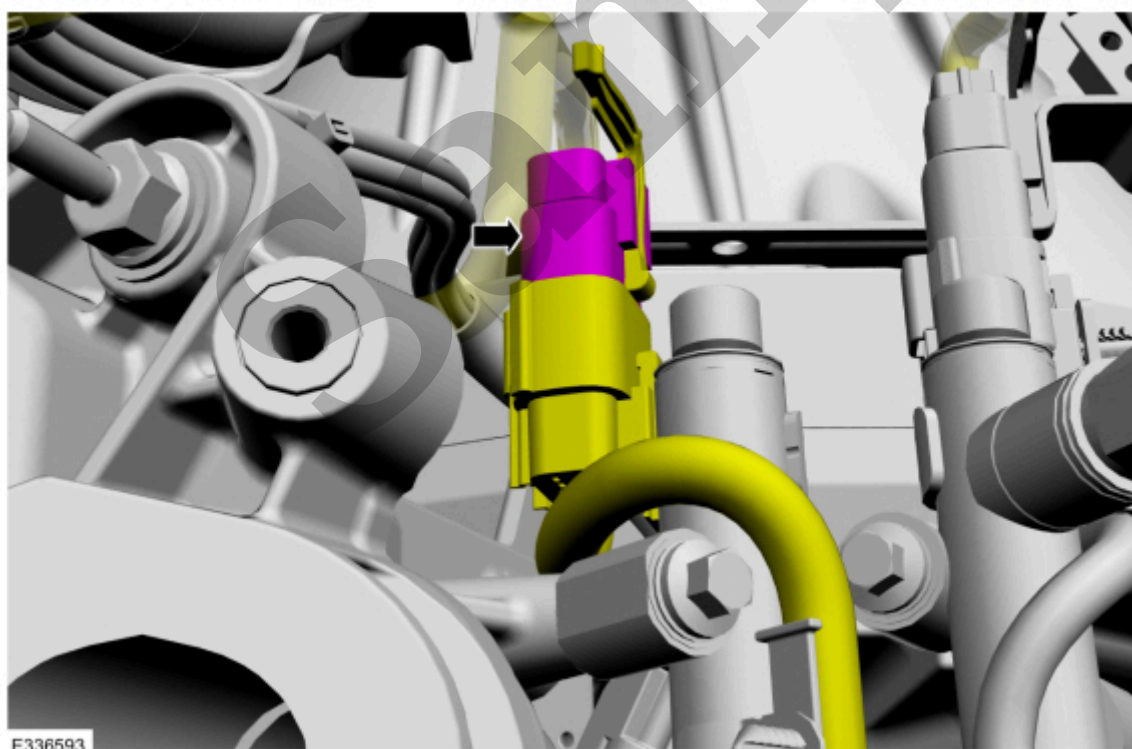
Refer to: [Direct Injection Fuel Rail RH](#)(303-04D Fuel Charging and Controls - 3.5L V6 PowerBoost (CN), Removal and Installation).

Copyright © Ford Motor Company

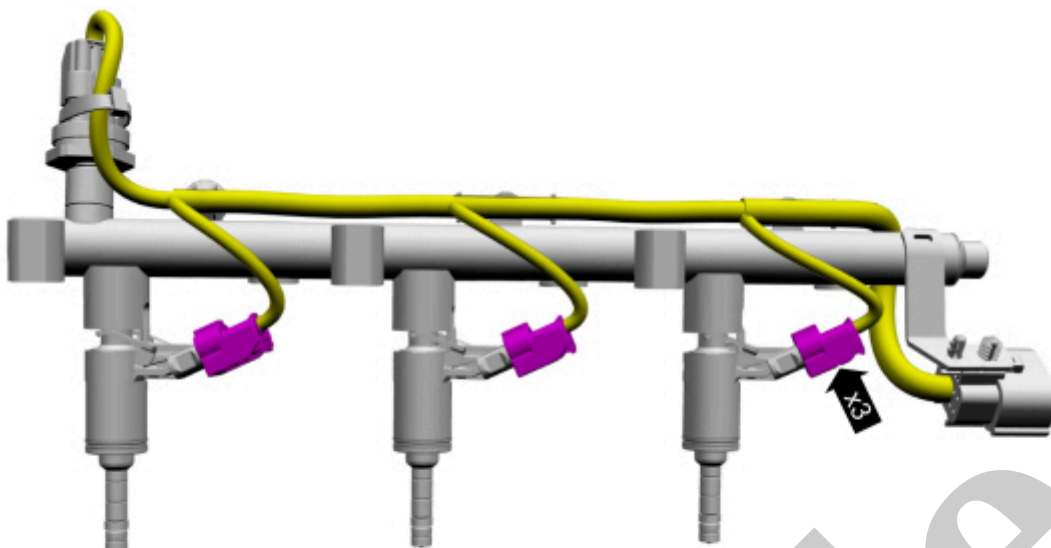


[Click here to learn about symbols, color coding, and icons used in this manual.](#)

3. Disconnect the fuel injector main harness electrical connector.



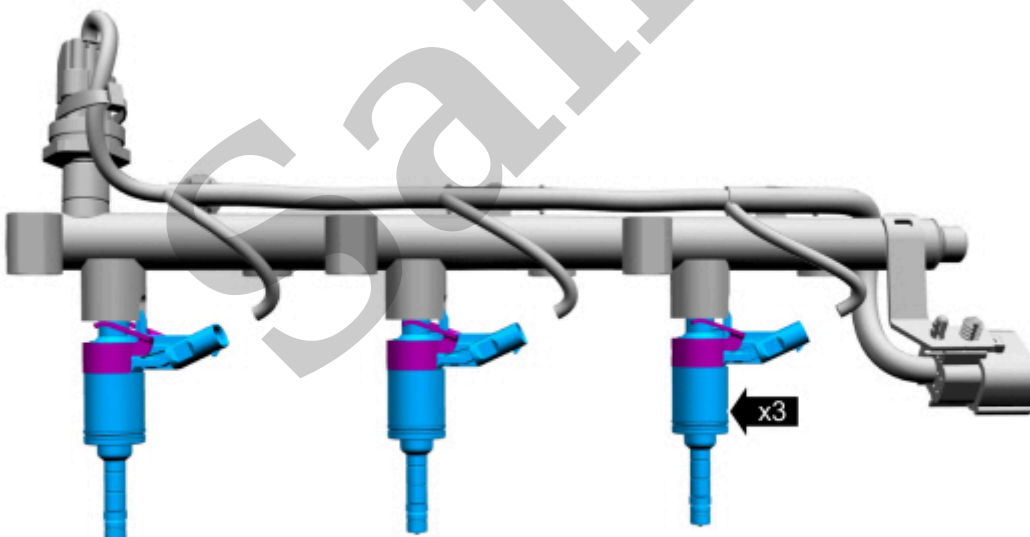
[Click here to learn about symbols, color coding, and icons used in this manual.](#)



E336596

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

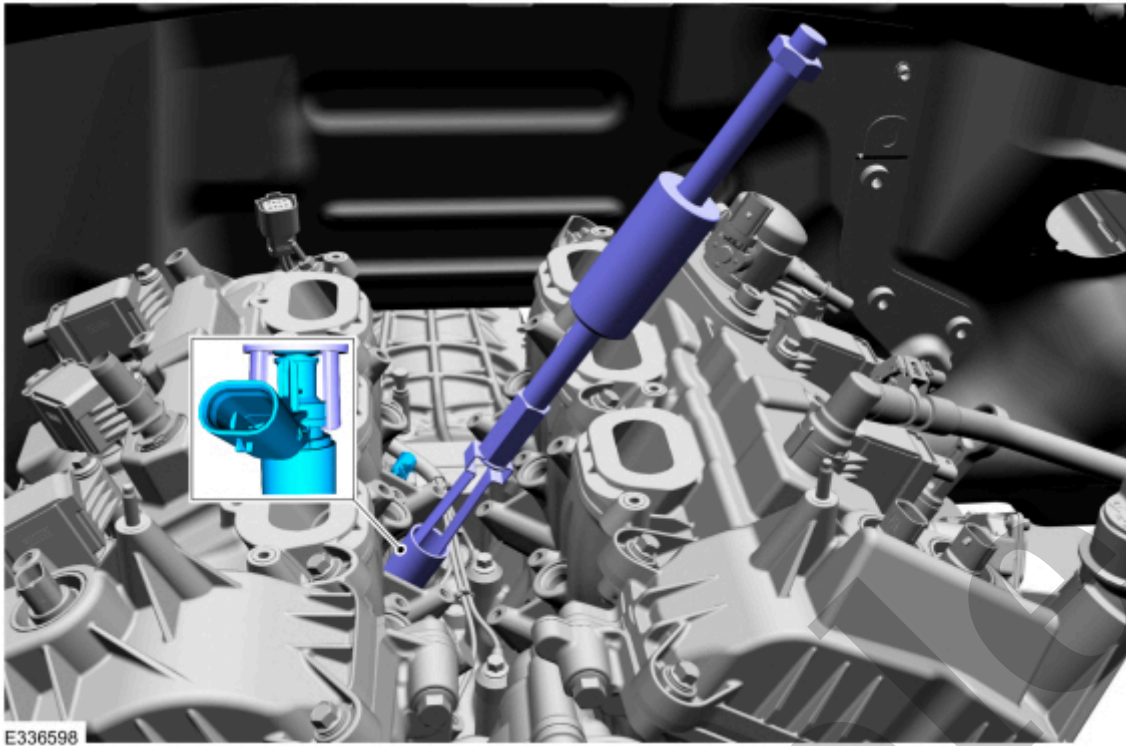
6. Remove the fuel injectors from the fuel rail.



E336597

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

7. Remove and discard the fuel injector clips.



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

9. **NOTICE**

Do not use compressed air to clean the tip of the fuel injector.

NOTICE

Do not use a brush to clean the tip of the fuel injector.

1. **NOTICE**

Make sure to thoroughly clean any residual fuel or foreign material from the cylinder head, block and the general surrounding area of the fuel rails and injectors.

2. Using the special tool, clean the cylinder head fuel injector bores.

Use Special Service Tool : 310-205 Fuel Injector Brush