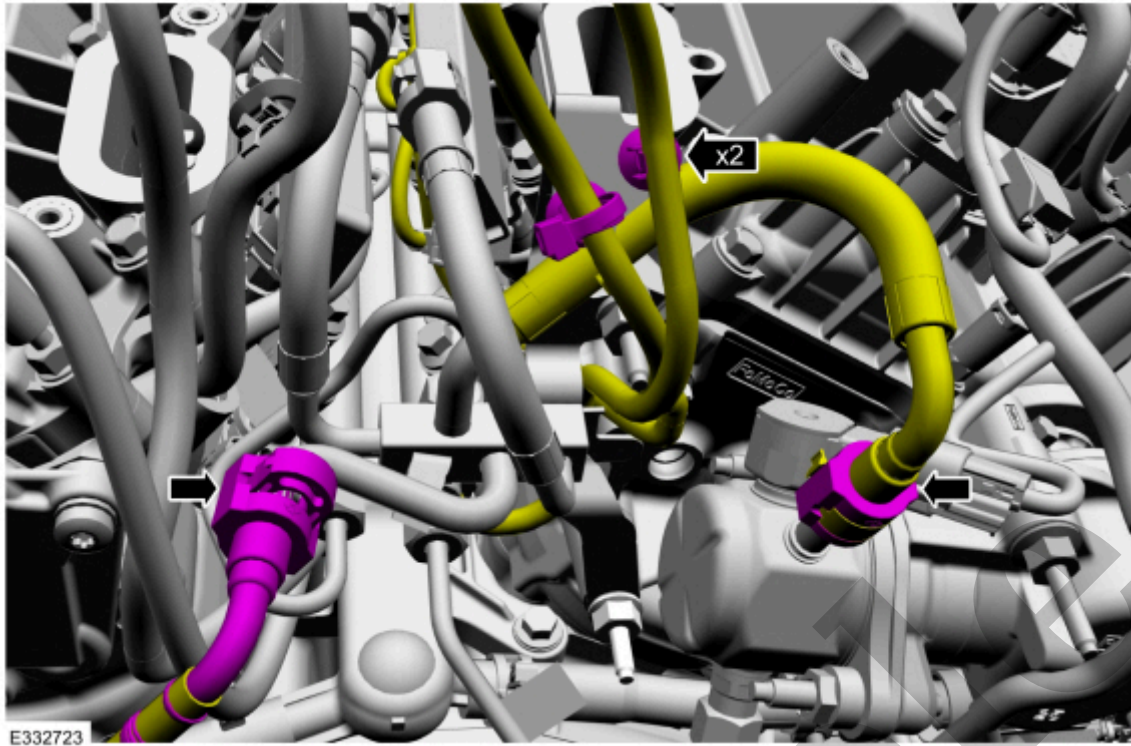


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## 2022 Ford E-Transit Service and Repair Manual

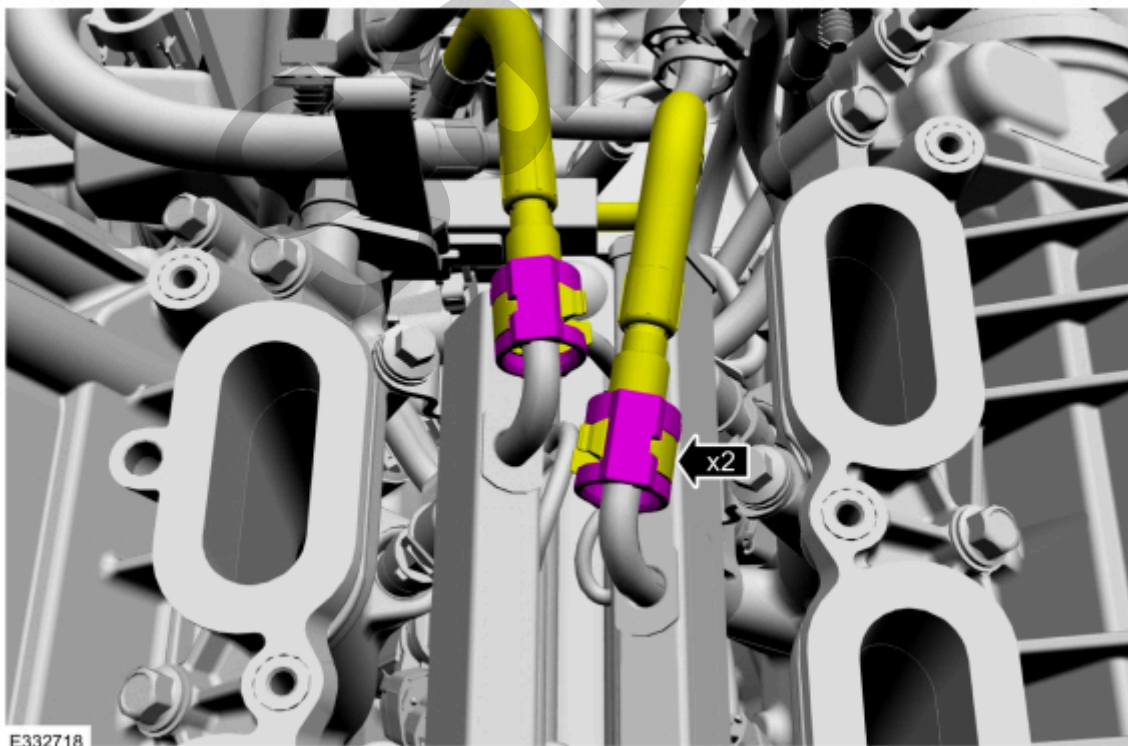
[Go to manual page](#)

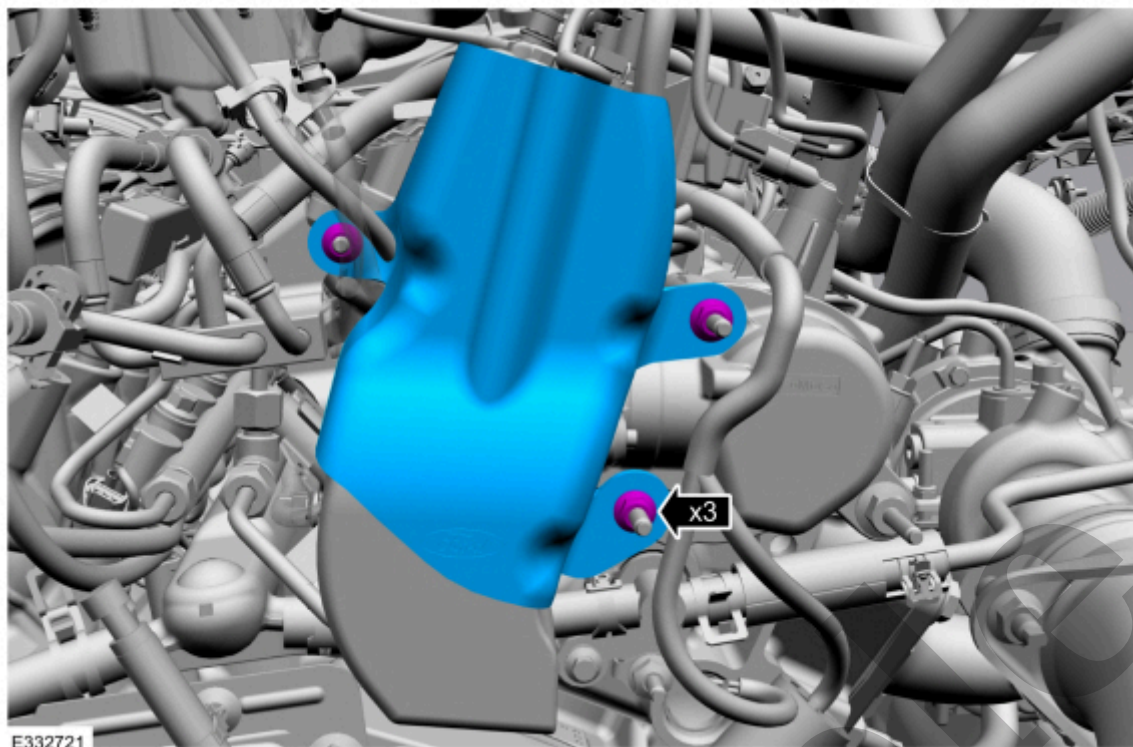


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10. Connect the quick release couplings.

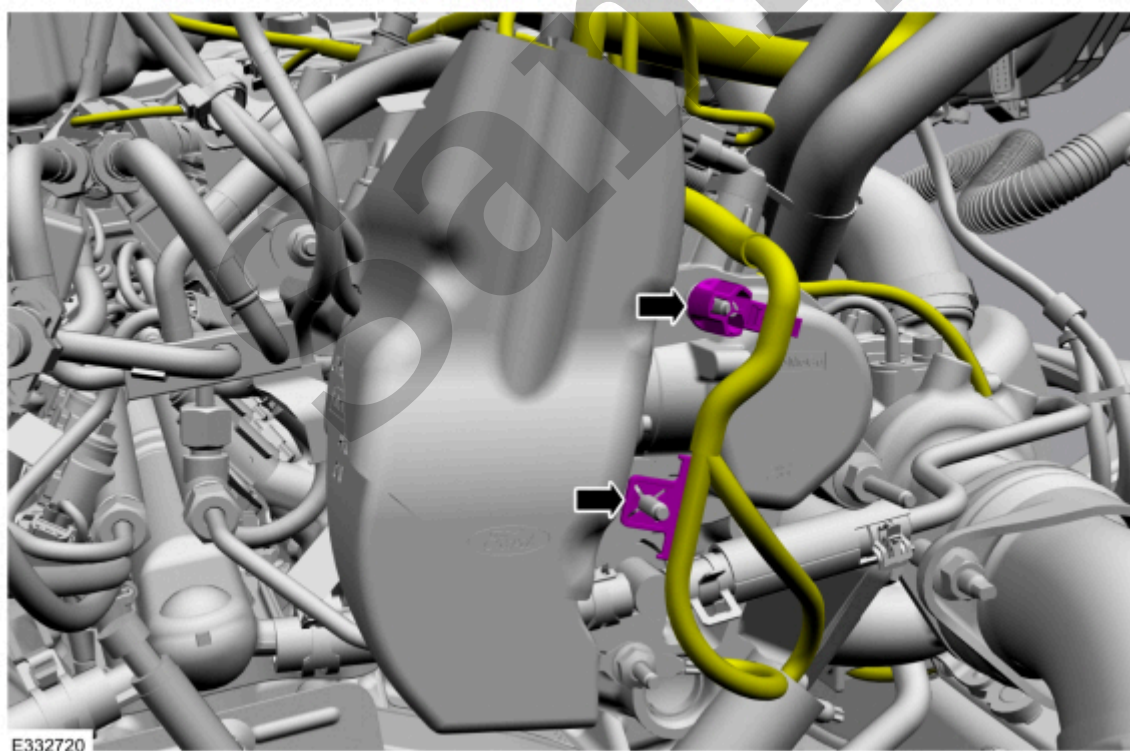
Refer to: [Quick Release Coupling](#)(310-00A Fuel System - General Information - 2.7L EcoBoost (238kW/324PS), General Procedures).





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

13. Attach the wiring harness retainers.



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14. Attach the harness retainer, then install and tighten the bolt.



# Port Injection Fuel Rail LH

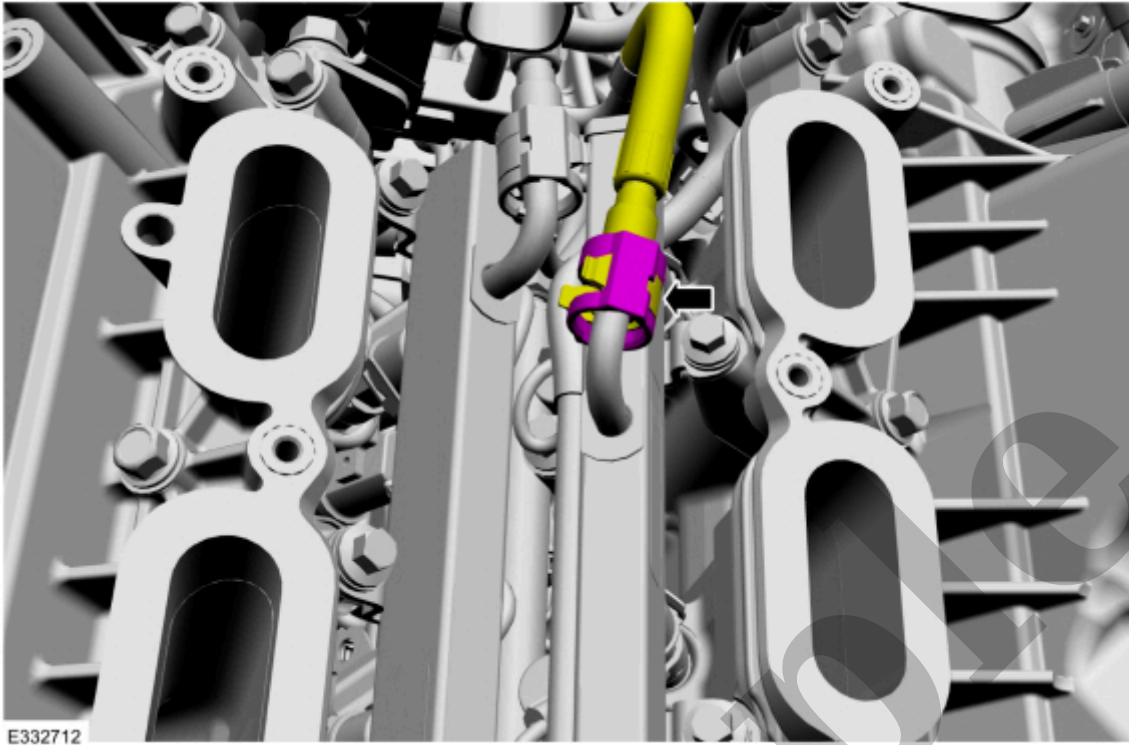
<b>303-04A Fuel Charging and Controls - 2.7L EcoBoost (238kW/324PS)</b>	<b>2022 F-150</b>
<b>Removal and Installation</b>	<b>Procedure revision date: 10/1/2020</b>

## Port Injection Fuel Rail LH

### Removal

1. Release the fuel system pressure.  
Refer to: [Fuel System Pressure Release](#)(310-00A Fuel System - General Information - 2.7L EcoBoost (238kW/324PS), General Procedures).
2. Disconnect the battery negative cable.  
Refer to: [Battery Disconnect and Connect](#)(414-01 Battery, Mounting and Cables, General Procedures).
3. Remove the intake manifold.  
Refer to: [Intake Manifold](#)(303-01A Engine - 2.7L EcoBoost (238kW/324PS), Removal and Installation).
4. Disconnect the fuel rail harness main electrical connector.

Refer to: [Quick Release Coupling](#)(310-00A Fuel System - General Information - 2.7L EcoBoost (238kW/324PS), General Procedures).



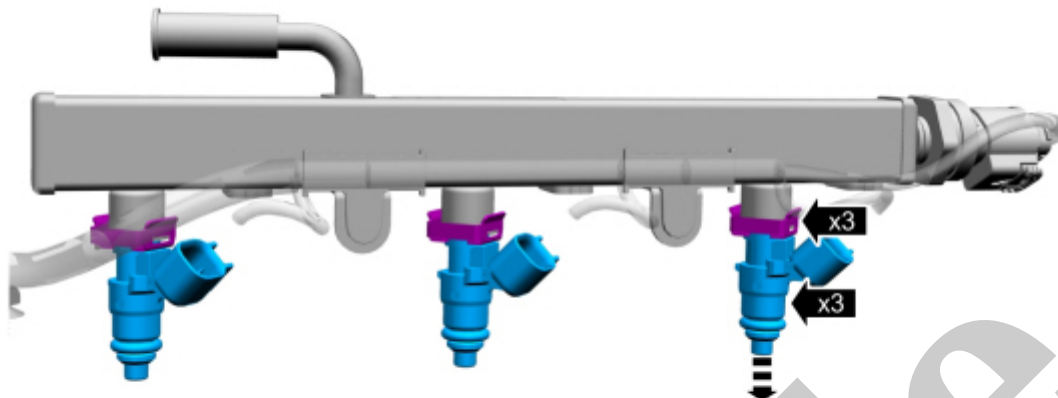
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## 7. NOTICE

Pull out the fuel rails in the direction of the fuel injector axis or damage may occur to the fuel injectors.

1. Use compressed air to remove any dirt or foreign material from the cylinder head, block and general surrounding area of the fuel rail and the fuel injectors.
  2. Remove the fuel rail retaining bolts, then remove the fuel rail.
- Should any of the fuel injectors remain in the head, then the fuel injector electrical connectors will need to be disconnected as the fuel rail is being removed.

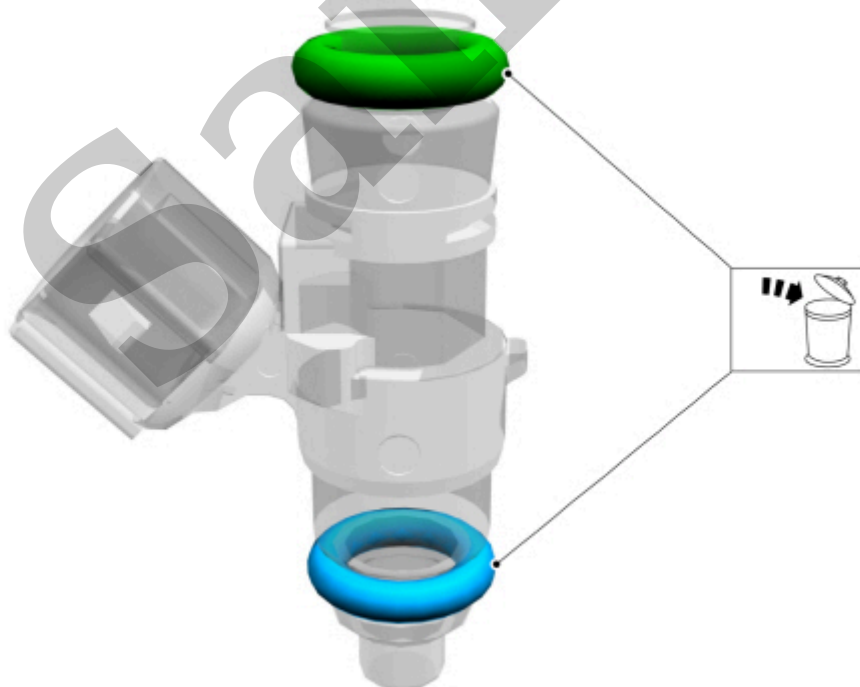
2. Remove the fuel injectors from the fuel rail.



E259759

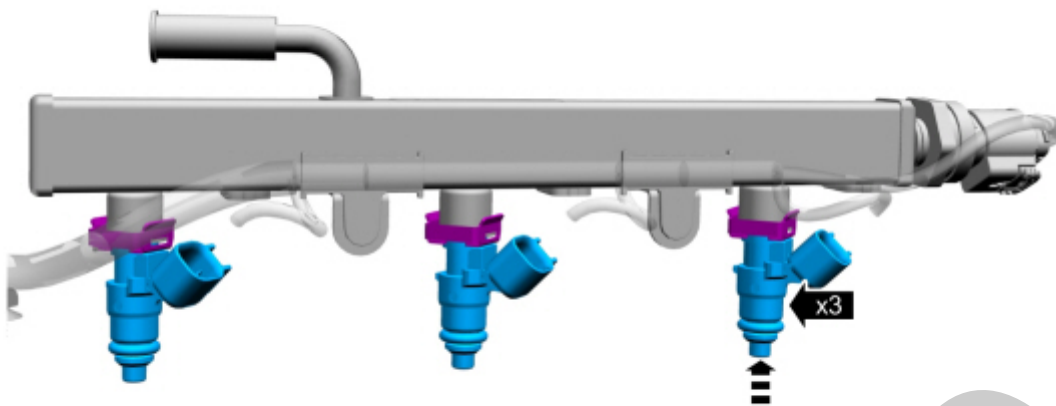
[Click here to learn about symbols, color coding, and icons used in this manual.](#)

10. Remove and discard all of the fuel injector O-ring seals.



E180536

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E259760

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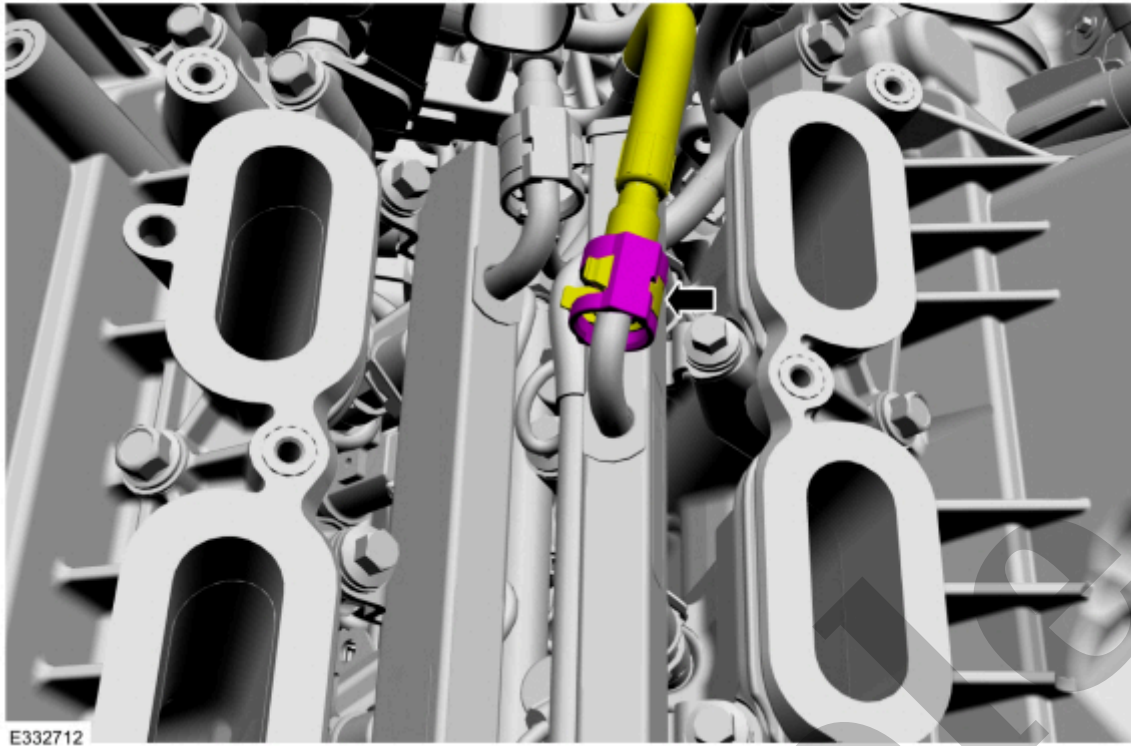
3. Connect the fuel injector electrical connectors.



E259752

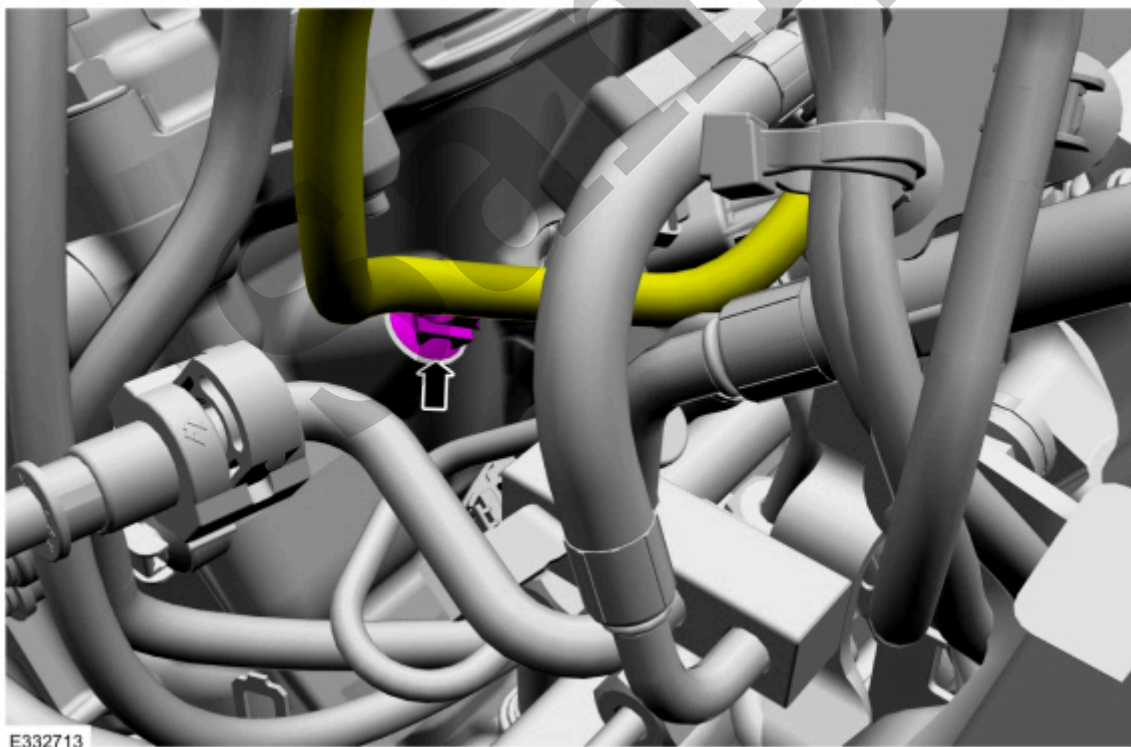
[Click here to learn about symbols, color coding, and icons used in this manual.](#)

4. **NOTICE**



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6. Attach the fuel rail harness retainer.



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7. Connect the fuel rail harness main electrical connector.



# Port Injection Fuel Rail RH

<b>303-04A Fuel Charging and Controls - 2.7L EcoBoost (238kW/324PS)</b>	<b>2022 F-150</b>
<b>Removal and Installation</b>	<b>Procedure revision date: 10/1/2020</b>

## Port Injection Fuel Rail RH

### Removal

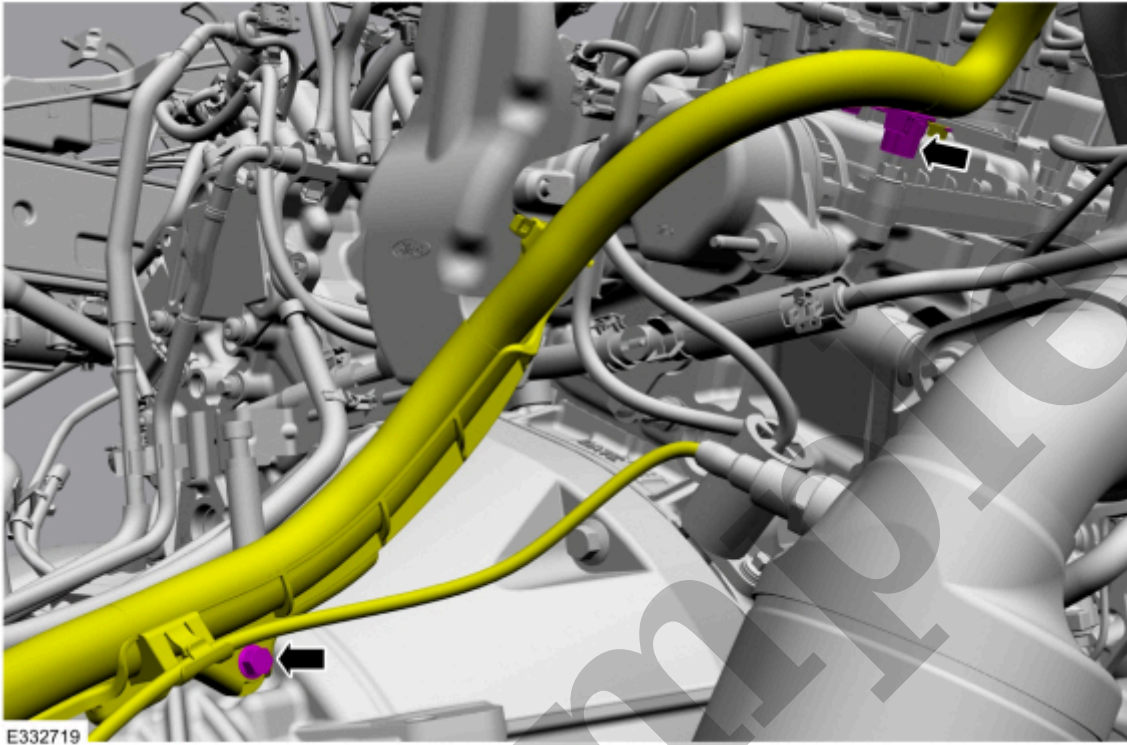
1. Release the fuel system pressure.  
Refer to: [Fuel System Pressure Release](#)(310-00A Fuel System - General Information - 2.7L EcoBoost (238kW/324PS), General Procedures).
2. Disconnect the battery negative cable.  
Refer to: [Battery Disconnect and Connect](#)(414-01 Battery, Mounting and Cables, General Procedures).
3. Remove the intake manifold.  
Refer to: [Intake Manifold](#)(303-01A Engine - 2.7L EcoBoost (238kW/324PS), Removal and Installation).
4. Disconnect the fuel rail harness main electrical connector.

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

6. If equipped, remove the engine rear undershield.

Refer to: [Engine Rear Undershield](#)(501-02 Front End Body Panels, Removal and Installation).

7. Remove the bolt, then detach the harness retainer.



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

8. Detach the wiring harness retainers.