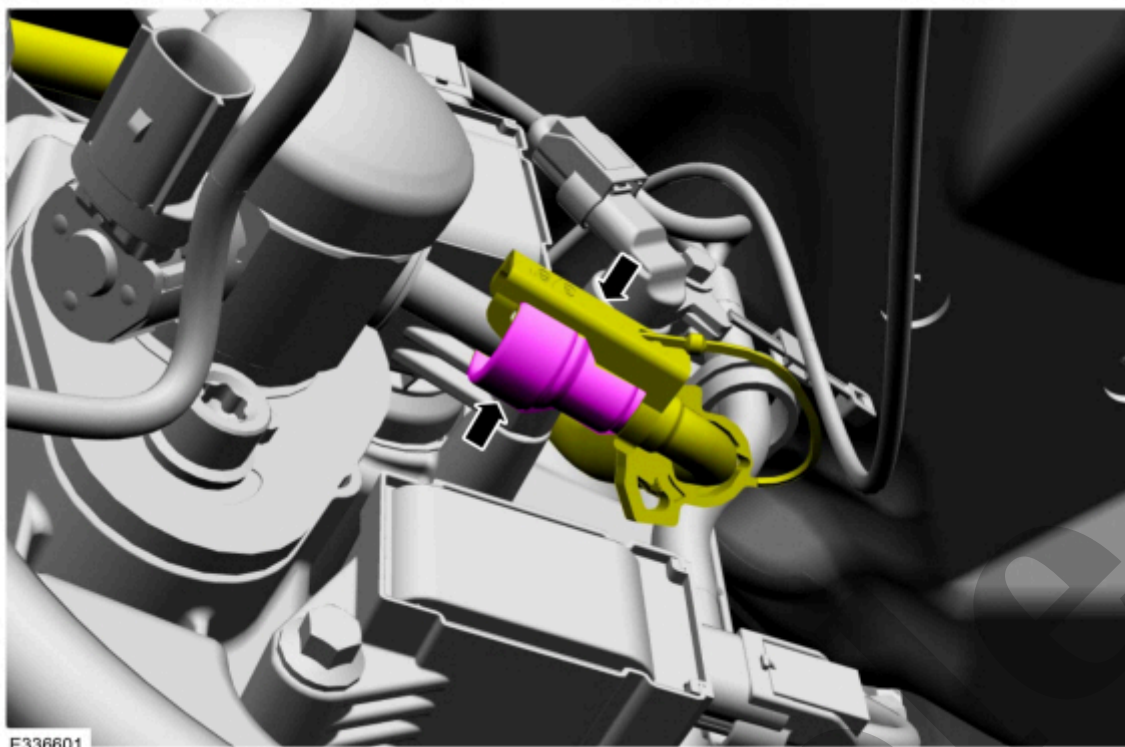


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2023 Ford F-350 Super Duty Service and Repair Manual

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7. 1. **NOTICE**

To release the fuel pressure in the high-pressure fuel tube, wrap the flare nuts with a shop towel to absorb any residual fuel pressure during the loosening the flare nuts.

2. Disconnect the flare nuts, then remove and discard the high-pressure fuel tube.

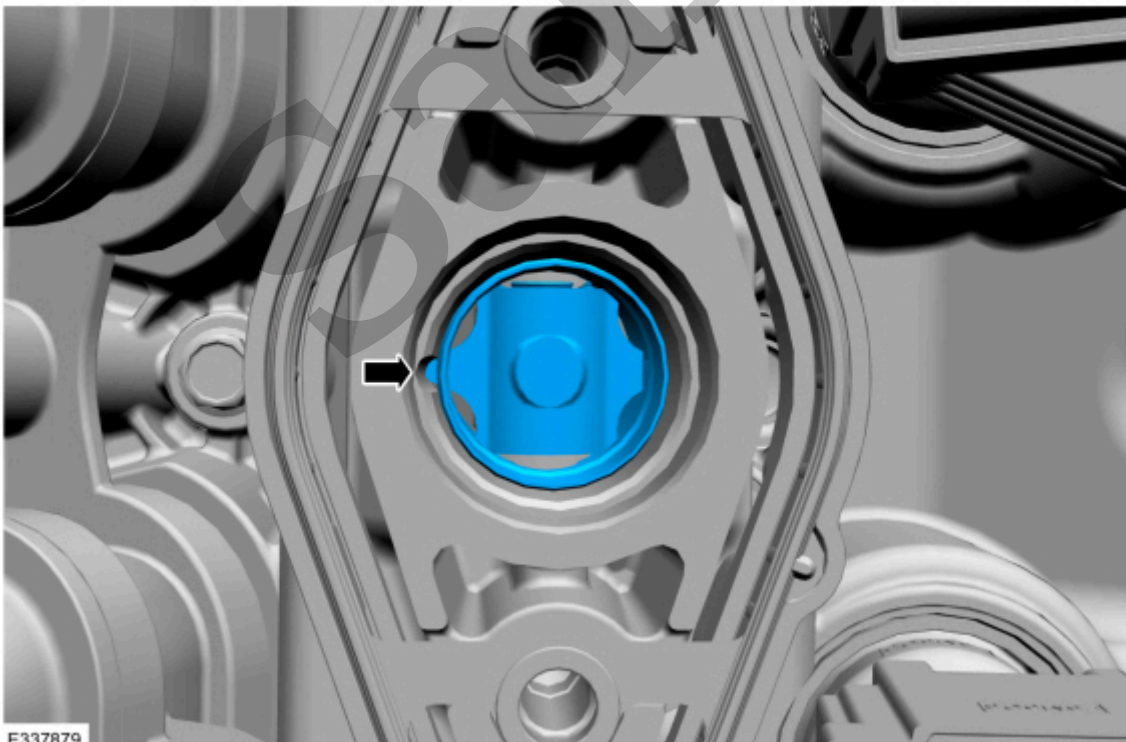
9. Remove and discard the high-pressure fuel pump O-ring seal.



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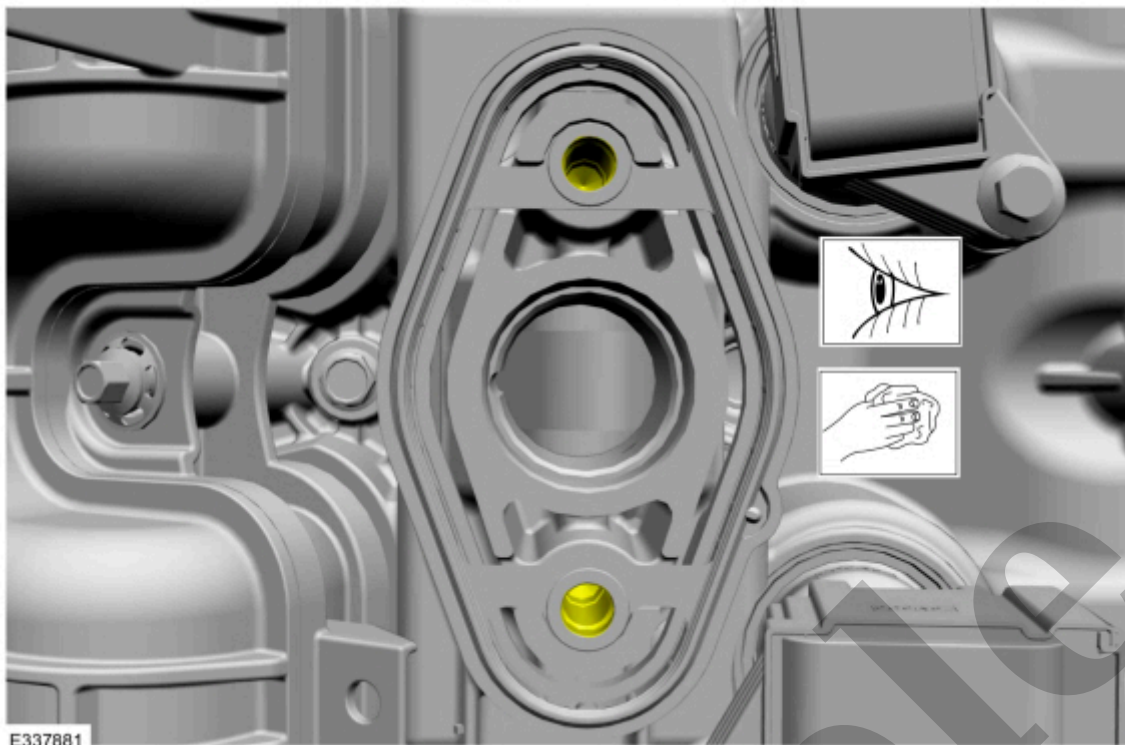
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10. Remove the roller tappet.



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Installation

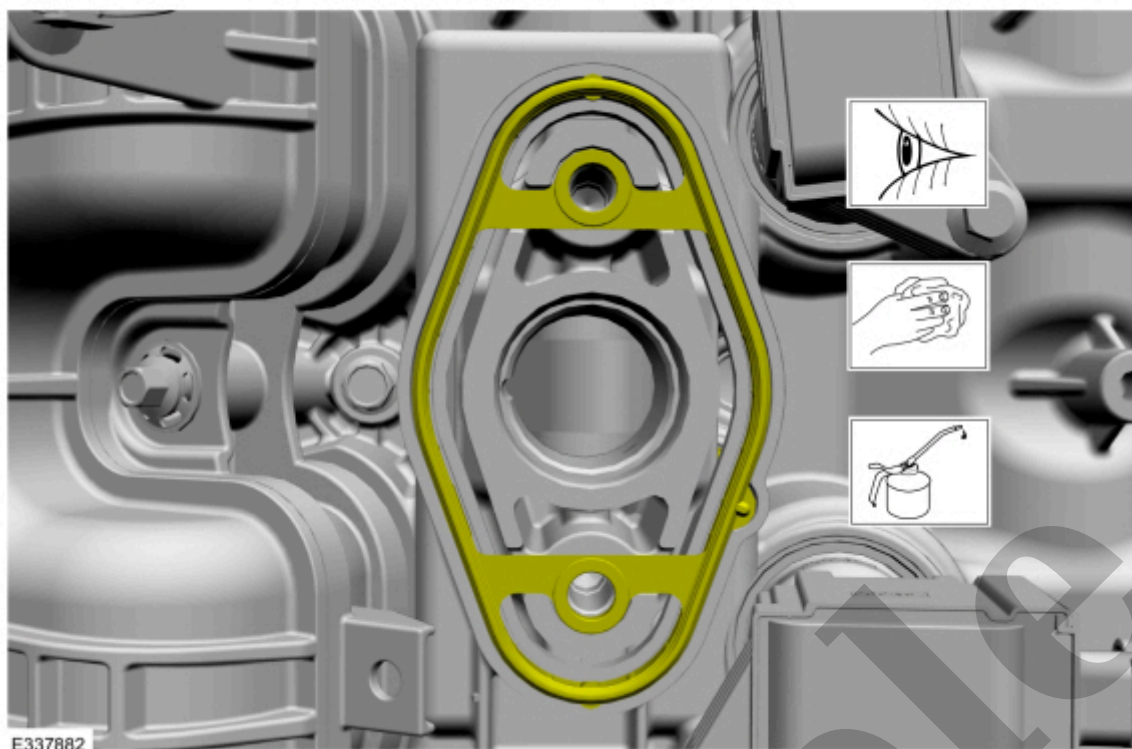
1. NOTICE

Only rotate the crankshaft Clockwise (CW) or damage to the engine may occur.

NOTICE

The drive lobe for the high-pressure fuel pump must be at BDC (bottom dead center) for the high-pressure fuel pump installation.

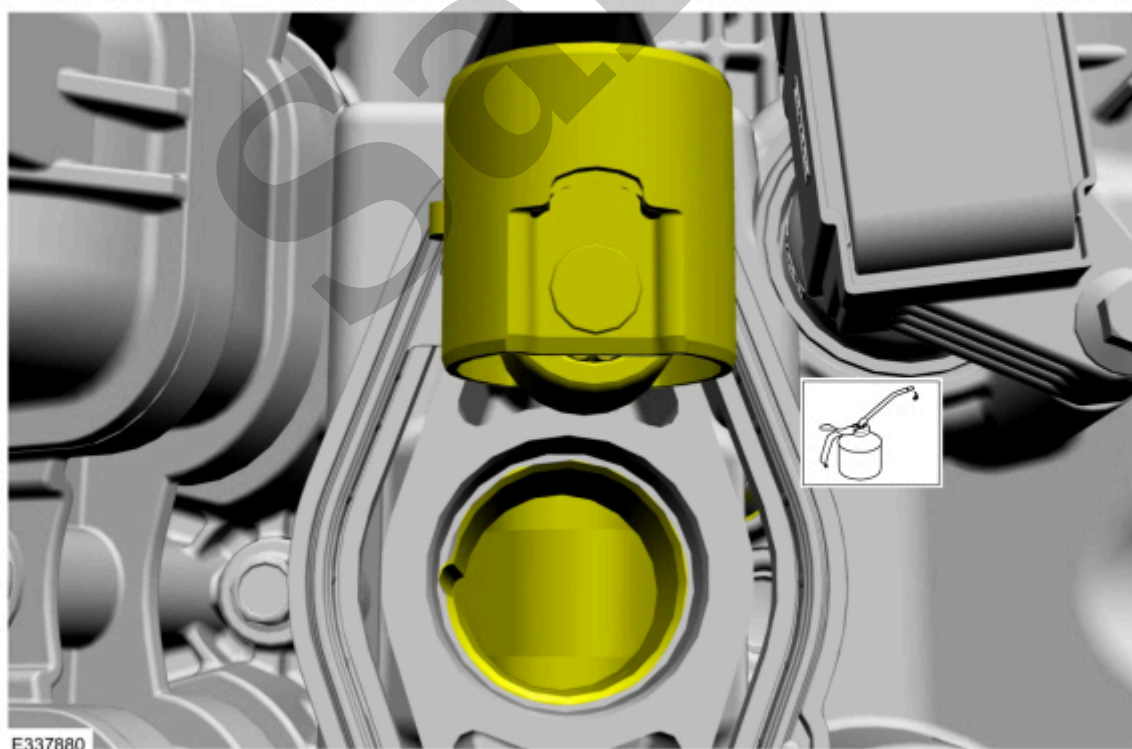
With the help of an assistant, using the crankshaft pulley bolt, turn the crankshaft until the high-pressure fuel pump drive lobe is at BDC (bottom dead center) .



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3. Apply clean engine oil to the high-pressure fuel pump mounting pedestal bore, the drive lobe and all of the roller tappet.

Refer to: [Specifications](#)(303-01D Engine - 3.5L V6 PowerBoost (CN), Specifications).





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6. 1. Install the high-pressure fuel pump and the new bolts. Tighten the fuel high-pressure fuel pump bolts in the following 5 stages.

Torque :

Stage 1: Finger tighten the bolts : 0 lb.in (0 Nm)

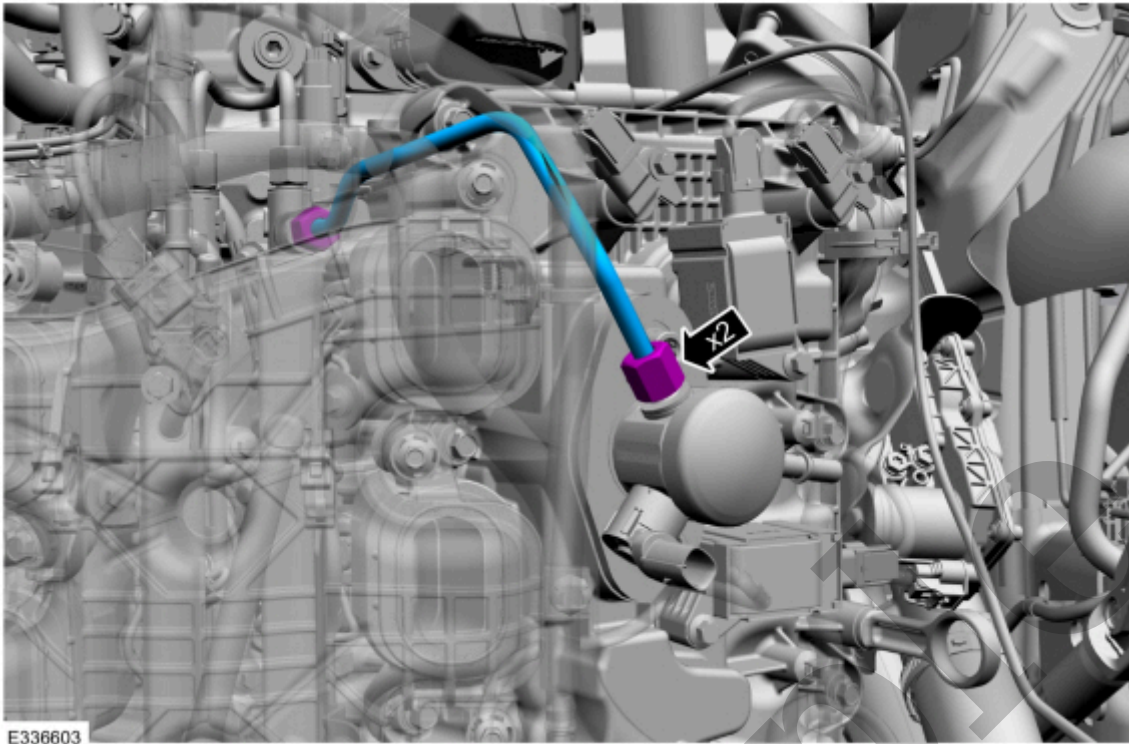
Stage 2: Tighten bolt 1 : 1 turn(s)

Stage 3: Tighten bolt 2 : 1 turn(s)

Stage 4: Repeat stages 2 and 3, until reaching : 177 lb.in (20 Nm)

Stage 5: Tighten bolts 1 and 2, in sequence an additional : 45°

Stage 3: Tighten an additional : 38°



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8. NOTICE

The spring lock coupling must be installed onto the fuel tube end along the centerline. The assembly is complete when the tube end bottoms out on the spring lock coupling with an audible click / snap feel. Correct assembly should be verified by pulling back on the spring lock coupling end.

1. Connect the high-pressure fuel pump supply line, then connect the spring lock coupling. Verify the correct assembly by pulling back on the spring lock coupling end.

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

2. Install the secondary latch.

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

11. Pressurize the fuel system.

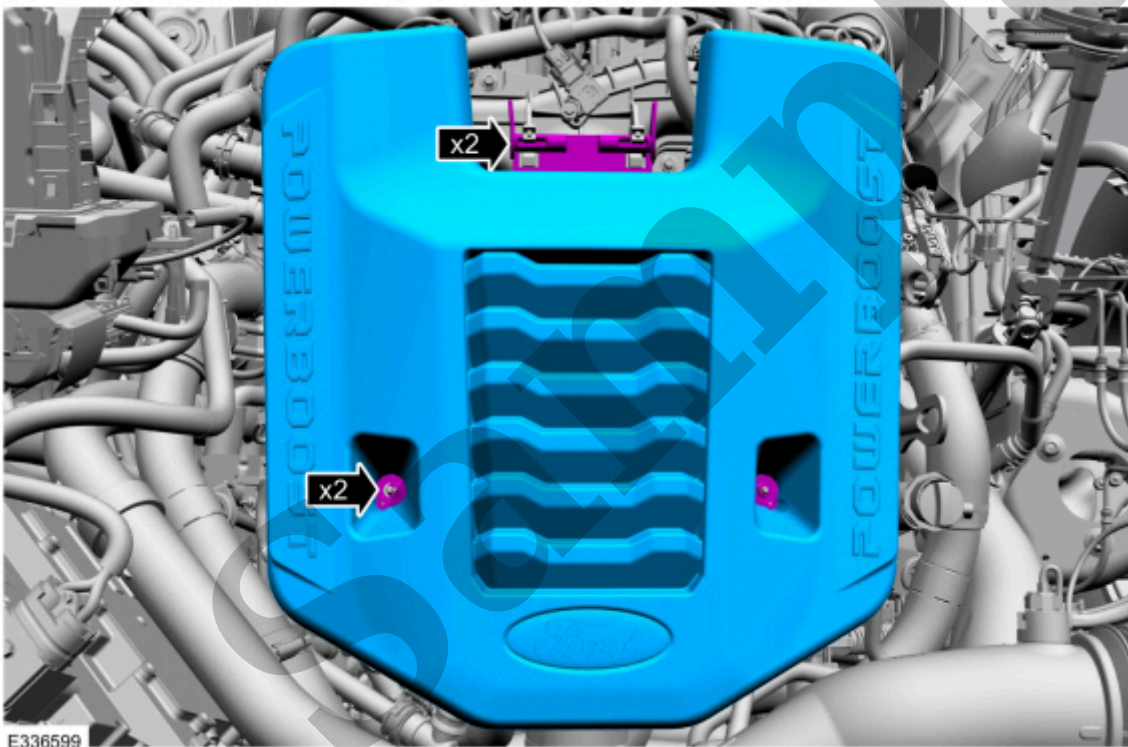
Refer to: [Fuel System Pressure Release](#)(310-00D Fuel System - General Information - 3.5L V6 PowerBoost (CN), General Procedures).

12. **NOTE**

PowerBoost shown, EcoBoost is similar.

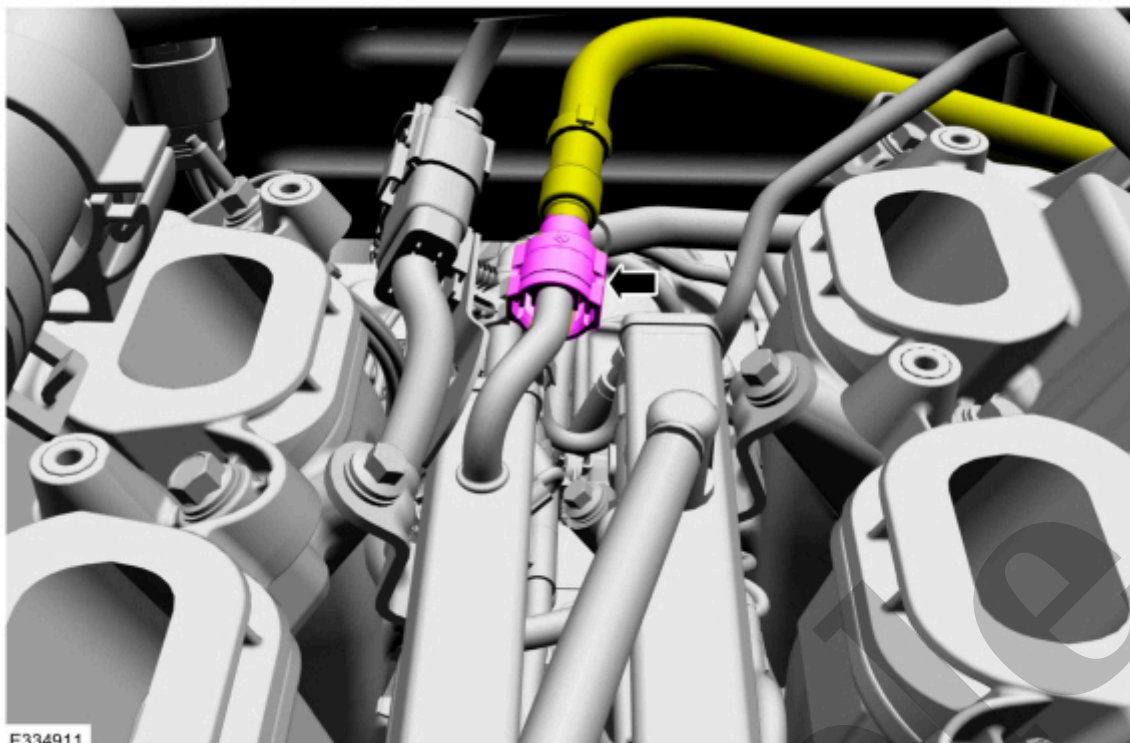
Install the engine appearance cover into the rear retain tabs on the intake manifold, then install and tighten the engine appearance cover retainers.

Torque : 97 lb.in (11 Nm)



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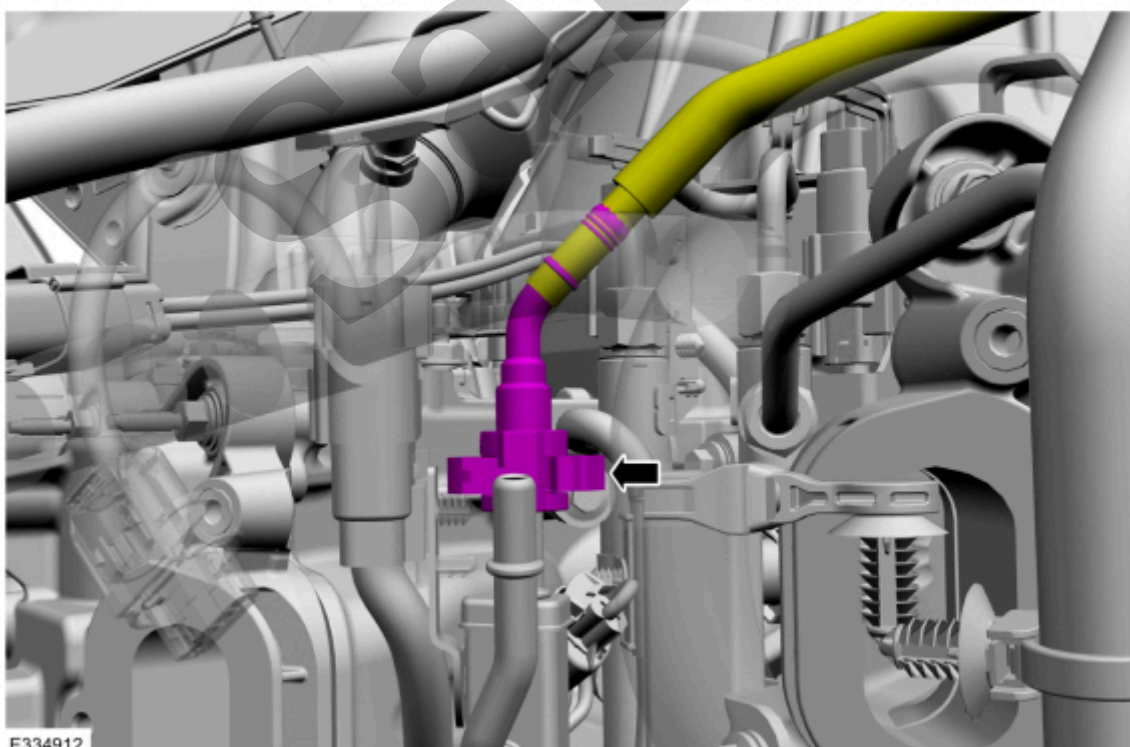
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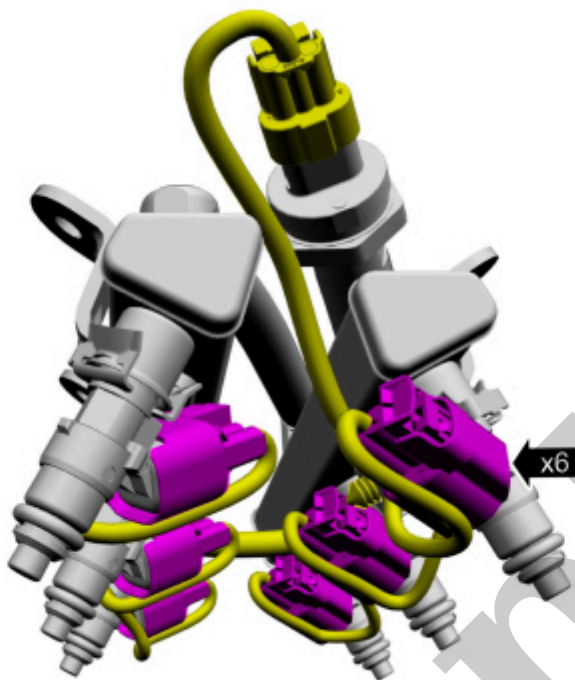
5. Disconnect the fuel rail fuel tube quick release coupling.

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



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8. Disconnect the fuel injector electrical connectors.



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9.
 1. Remove the fuel injector retaining clips.
 2. Remove the fuel injectors from the fuel rail.