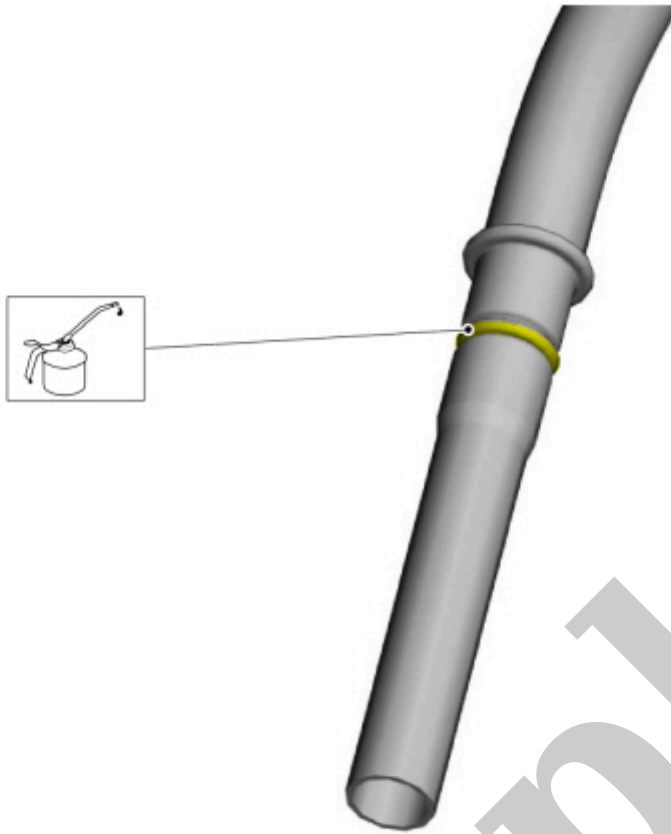


Your Ultimate Source for OEM Repair Manuals

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.

2016 Ford F-450 Super Duty Service and Repair Manual

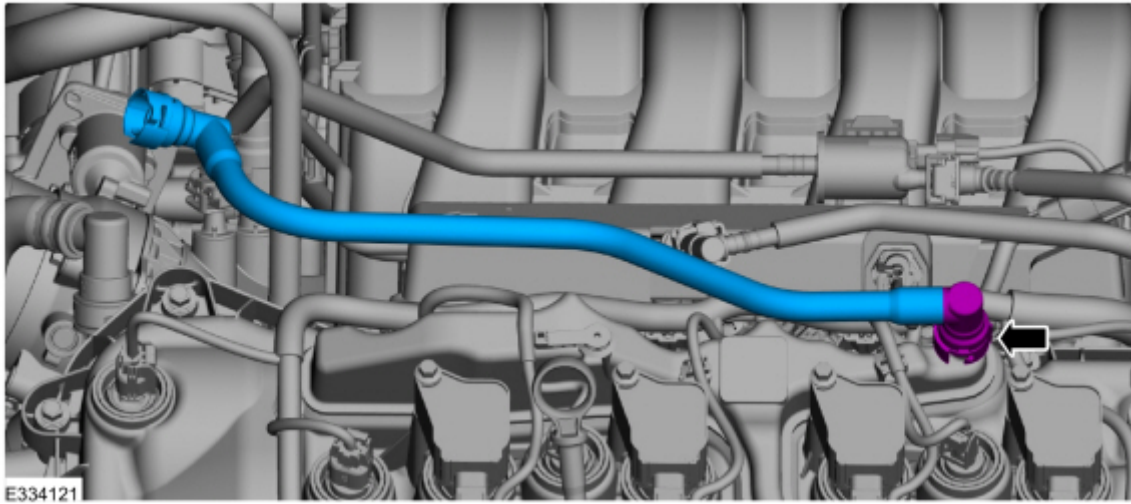
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E321436

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9.
 - Install the oil level indicator tube.
 - Install the nuts.
- Torque*** : 71 lb.in (8 Nm)
- Install the oil level indicator.



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11. Install the following items:

1. Air cleaner.

Refer to: [Air Cleaner](#)(303-12E Intake Air Distribution and Filtering - 5.0L 32V Ti-VCT, Removal and Installation).

2. Air cleaner outlet pipe.

Refer to: [Air Cleaner Outlet Pipe](#)(303-12E Intake Air Distribution and Filtering - 5.0L 32V Ti-VCT, Removal and Installation).

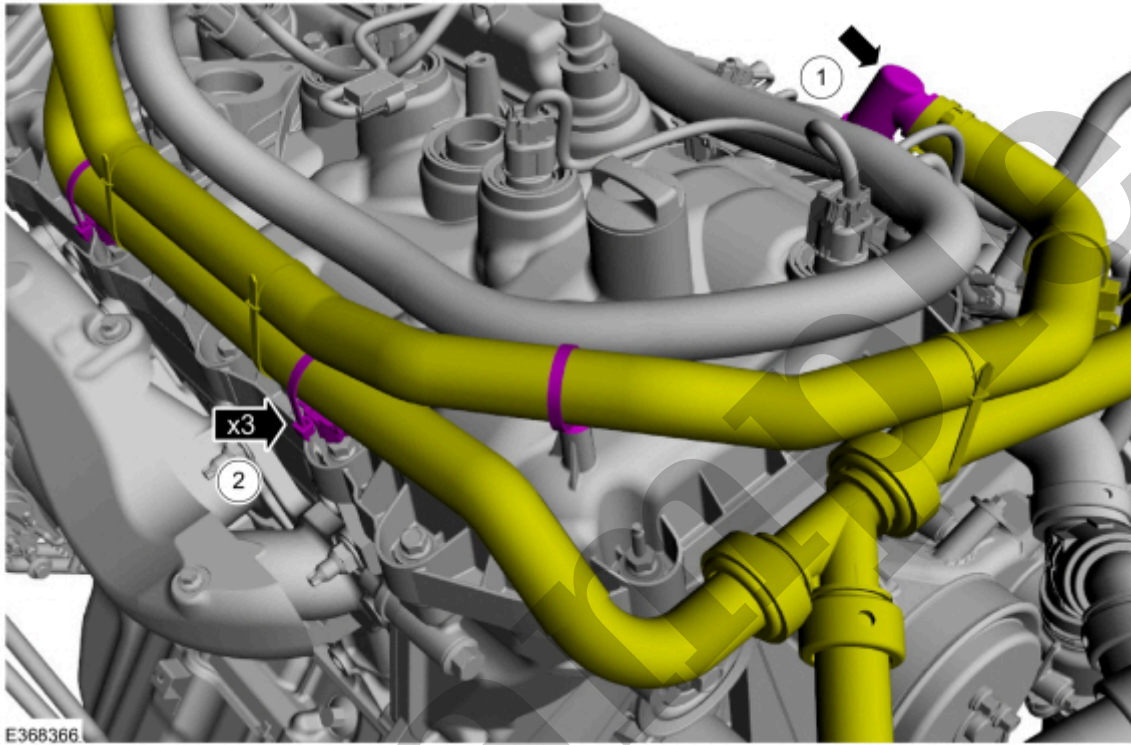
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Refer to: [Ignition Coil-On-Plug](#)(303-07E Engine Ignition - 5.0L 32V Ti-VCT, Removal and Installation).

2. High pressure fuel pump.

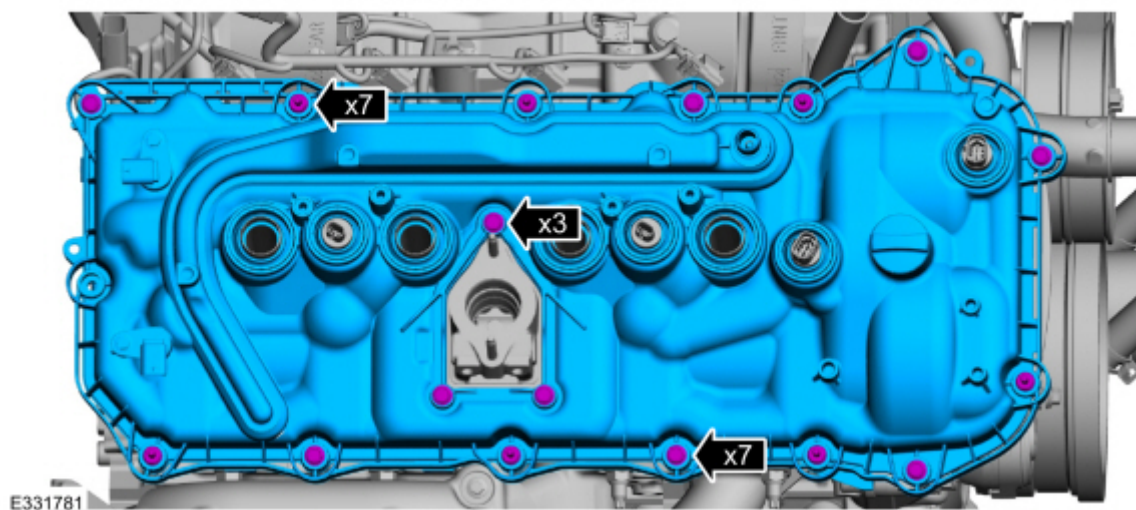
Refer to: [High-Pressure Fuel Pump](#)(303-04E Fuel Charging and Controls - 5.0L 32V Ti-VCT, Removal and Installation).

6. 1. Disconnect the heater hose.
2. Detach the coolant hose retainers.



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7. 1. Remove the nut and the ground strap.
2. Disconnect the engine wiring harness connectors.
3. Detach the engine wiring harness retainer.
4. Remove the nut and position the ground strap aside.

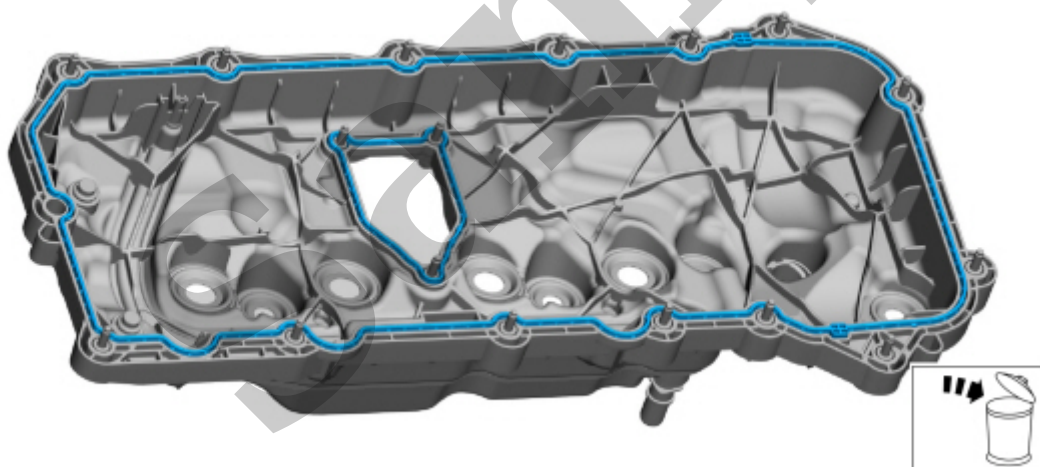


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10. NOTE

Clean the valve cover gasket groove with soap and water or a suitable solvent.

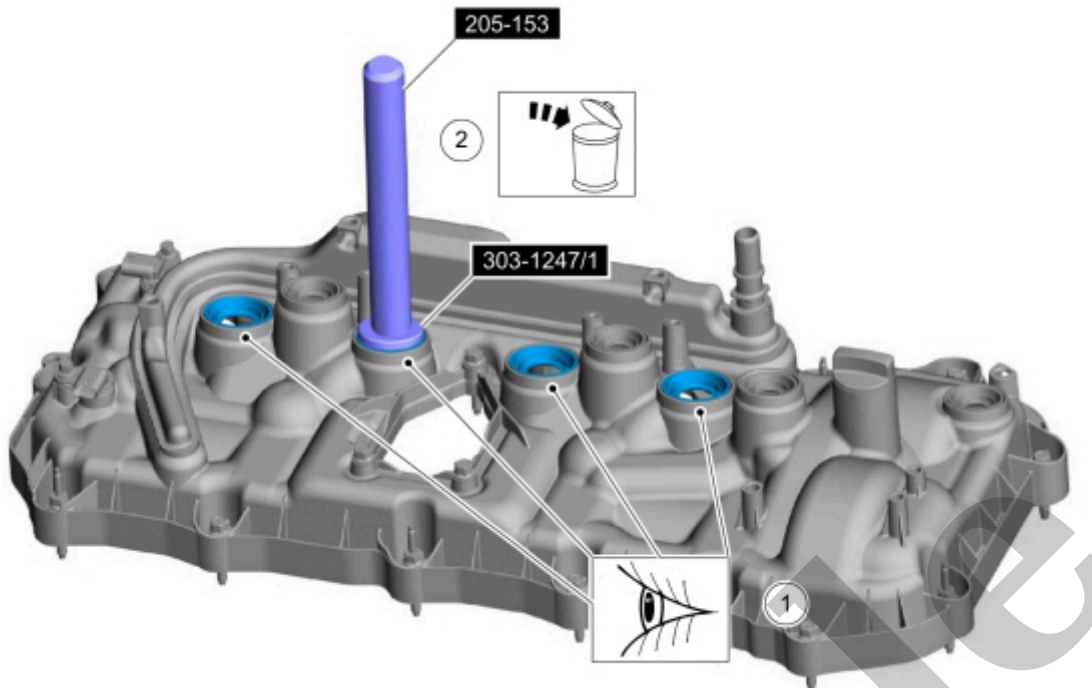
Remove and discard the gaskets.



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11.
 1. Inspect the VCT (variable camshaft timing) variable force solenoid seal, the VCT (variable camshaft timing) oil control solenoid seal and the cylinder deactivation solenoid seals.
 2. Remove and discard any damaged seals using the special tools.

Use Special Service Tool : 205-153 (T80T-4000-W) Handle , 205-142 (T80T-4000-J) Installer,
Differential Bearing Cone

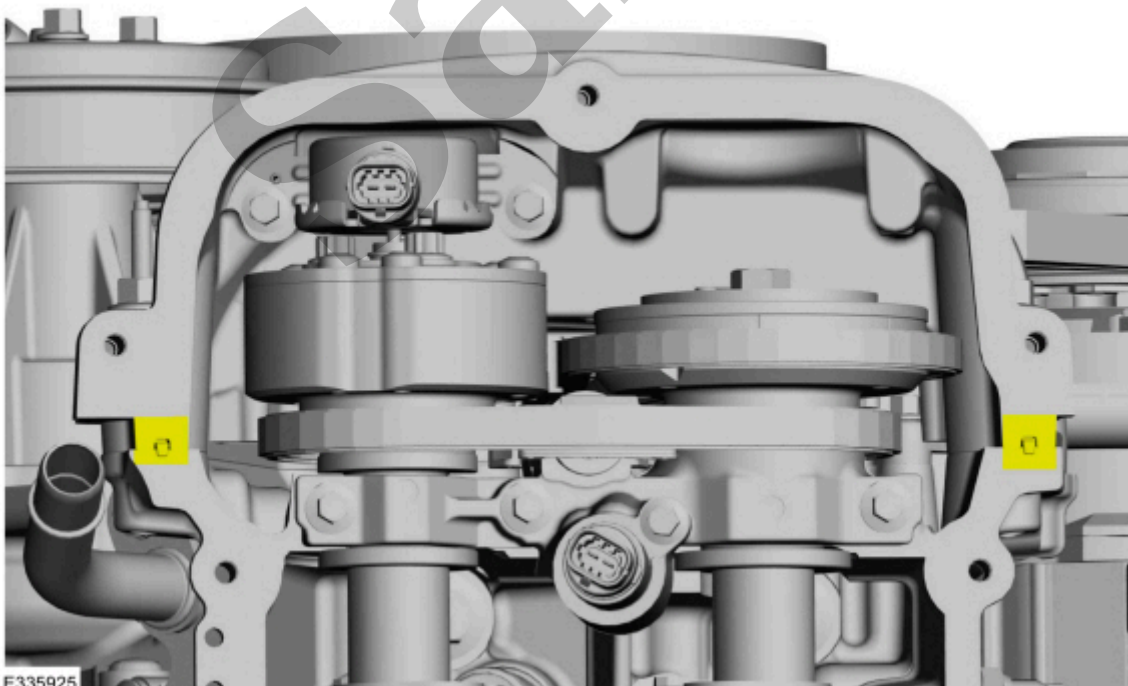


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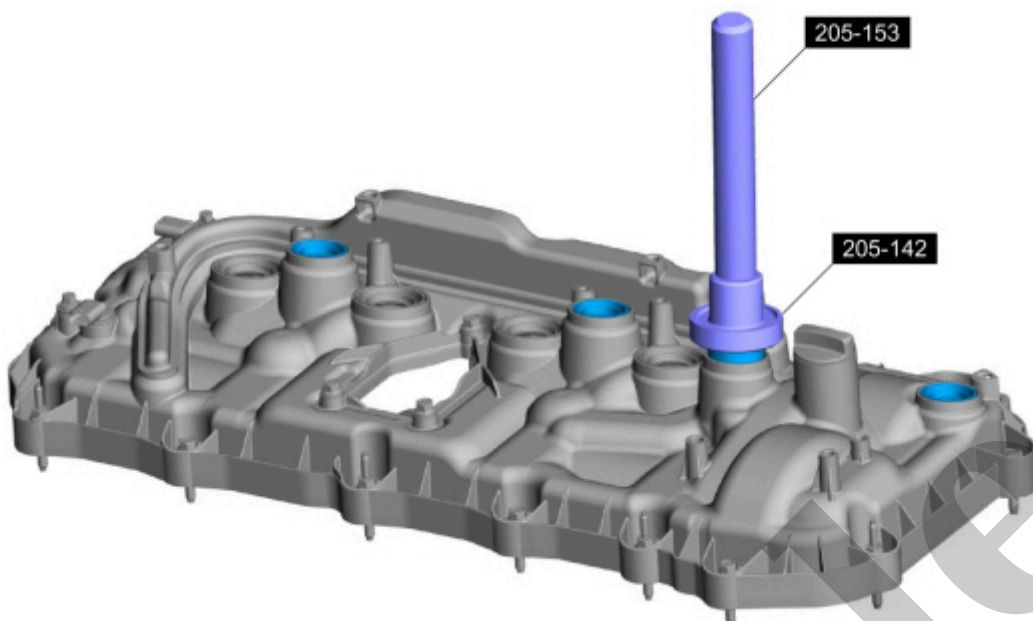
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13. Clean and prepare the RTV sealing surface.

Refer to: [RTV Sealing Surface Cleaning and Preparation](#) (303-00 Engine System - General Information, General Procedures).



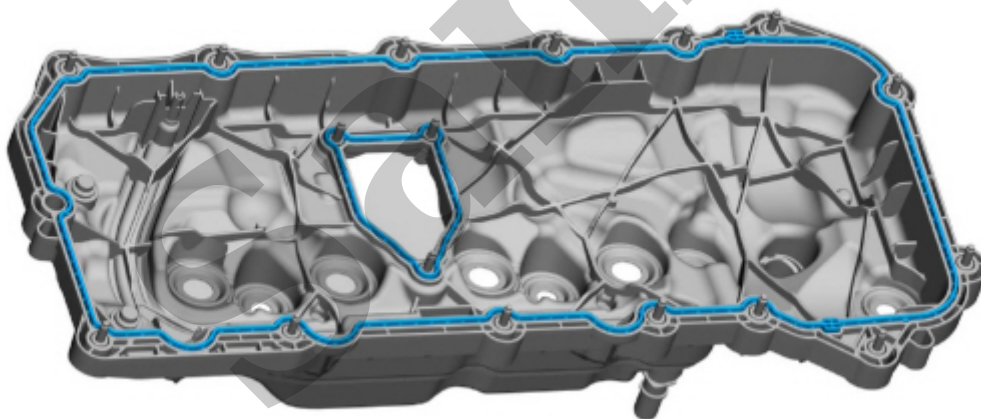
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3. Install new gaskets.



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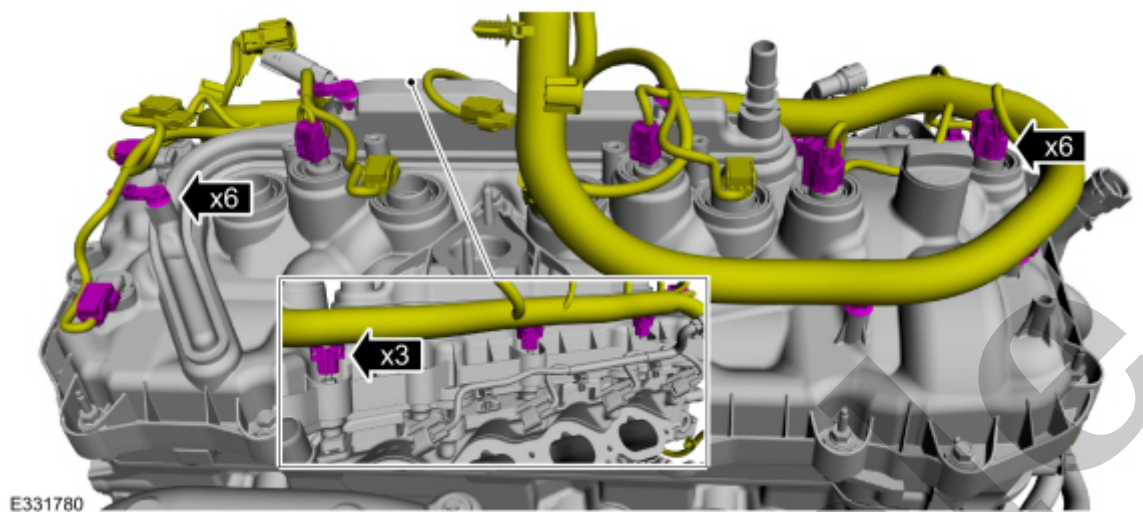
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4. NOTICE

If the valve cover is not installed and the fasteners tightened within 5 minutes, the sealant must be removed and the sealing area cleaned.

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- 6.
- Connect the engine wiring harness electrical connectors.
 - Attach the wiring harness retainers.



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- 7.
1. Install the ground strap and the nut.
Torque : 106 lb.in (12 Nm)
 2. Connect the engine wiring harness connectors.
 3. Attach the engine wiring harness retainer.
 4. Install the ground strap and the nut.
Torque : 53 lb.in (6 Nm)

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9. Install the following items:

1. High pressure fuel pump.

Refer to: [High-Pressure Fuel Pump](#)(303-04E Fuel Charging and Controls - 5.0L 32V Ti-VCT, Removal and Installation).

2. RH (right-hand) ignition coils.

Refer to: [Ignition Coil-On-Plug](#)(303-07E Engine Ignition - 5.0L 32V Ti-VCT, Removal and Installation).

10. Connect the battery ground cable.

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

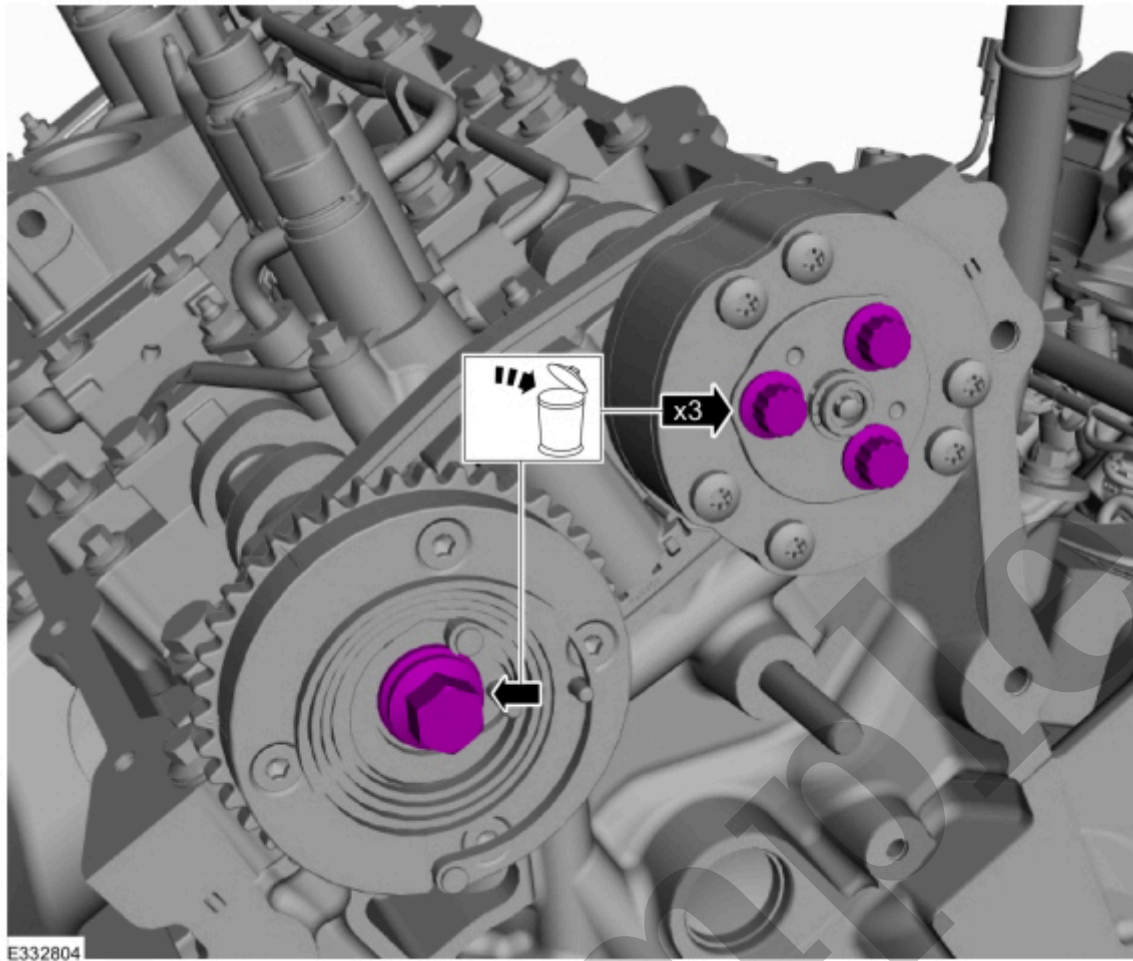
11. Pressurize the fuel system.

Refer to: [Fuel System Pressure Release](#)(310-00E Fuel System - General Information - 5.0L 32V Ti-VCT, General Procedures).

12. Fill and bleed the engine cooling system.

Refer to: [Engine Cooling System Draining, Vacuum Filling and Bleeding](#)(303-03E Engine Cooling - 5.0L 32V Ti-VCT, General Procedures).

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3. Slide the VCT (variable camshaft timing) assemblies and secondary timing chain forward 2 mm (0.078 in).