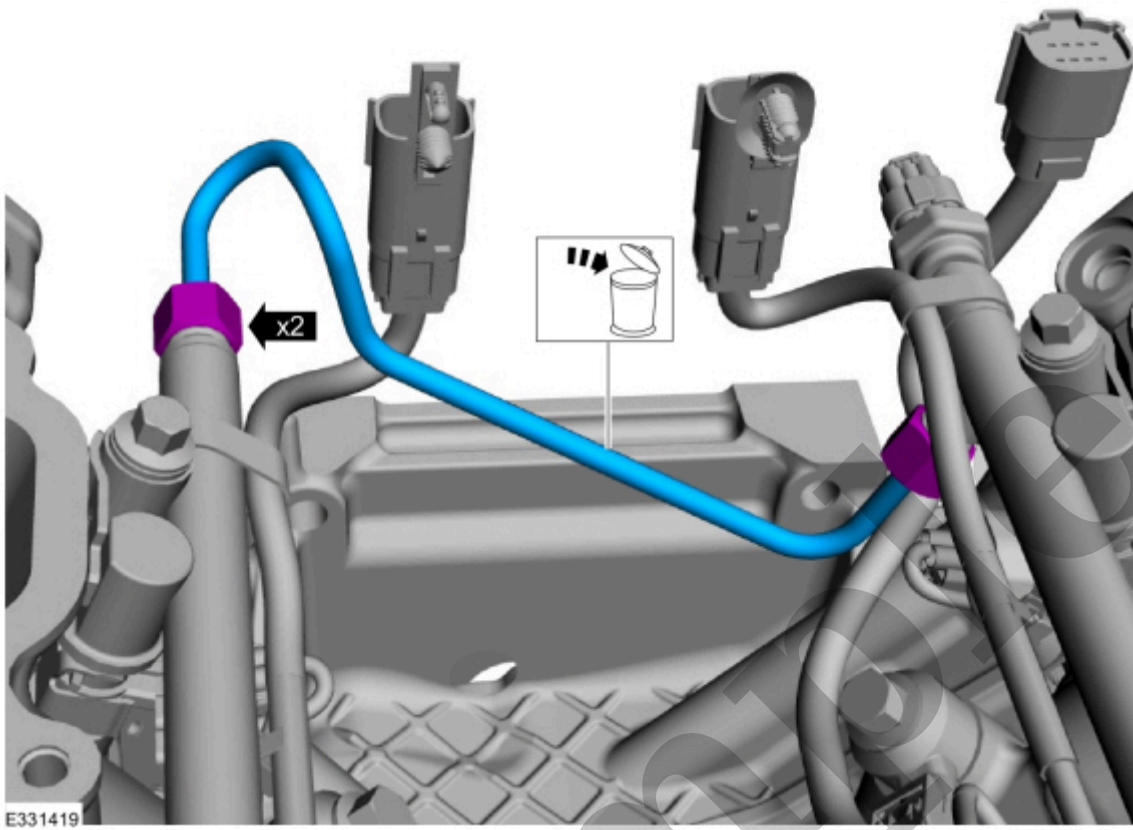


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2015 Ford Explorer Service and Repair Manual

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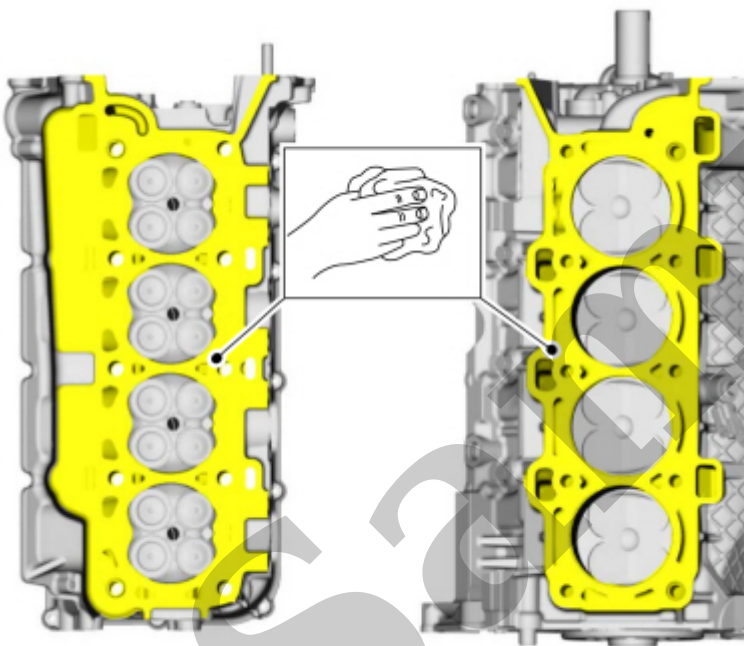
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10.
 - Remove and discard the bolts.
 - Remove the cylinder head.

NOTE

Clean the cylinder head bolt holes in the cylinder block using compressed air. Make sure all coolant, oil or other foreign material is removed.

- Clean and inspect the cylinder head-to-cylinder block mating surfaces of both the cylinder head and the cylinder block
- Refer to: [Cylinder Head Distortion](#)(303-00 Engine System - General Information, General Procedures).
- Refer to: [Cylinder Block Distortion](#)(303-00 Engine System - General Information, General Procedures).

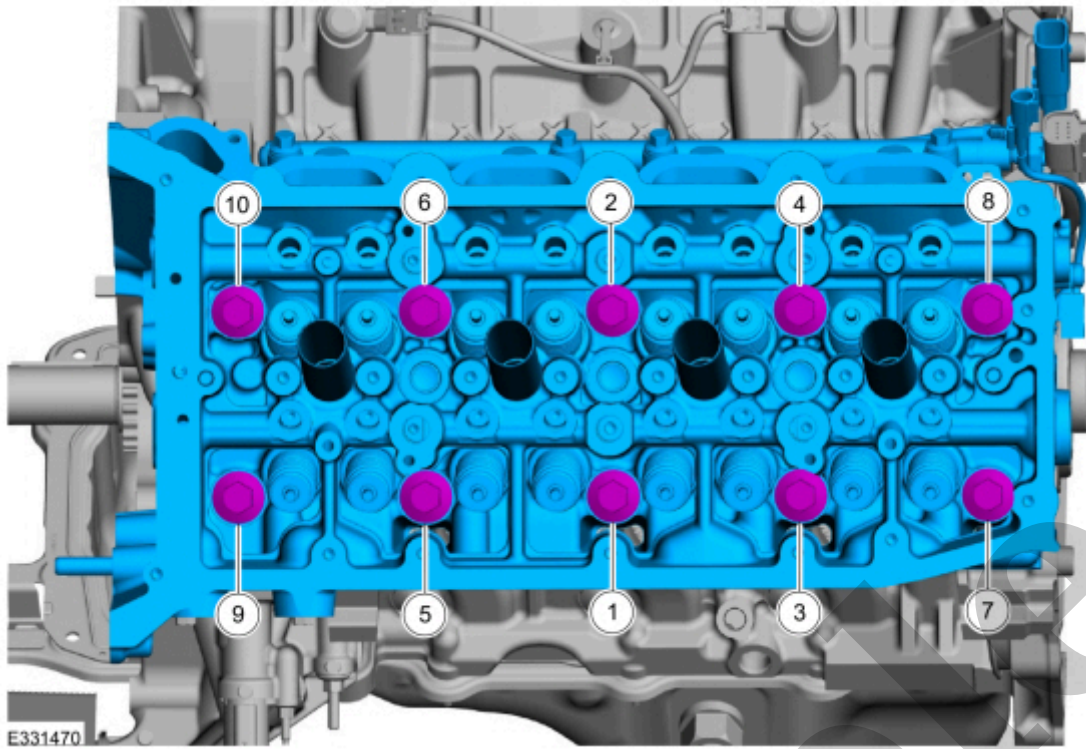


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Installation

1. Install the cylinder head gasket.



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3. NOTICE

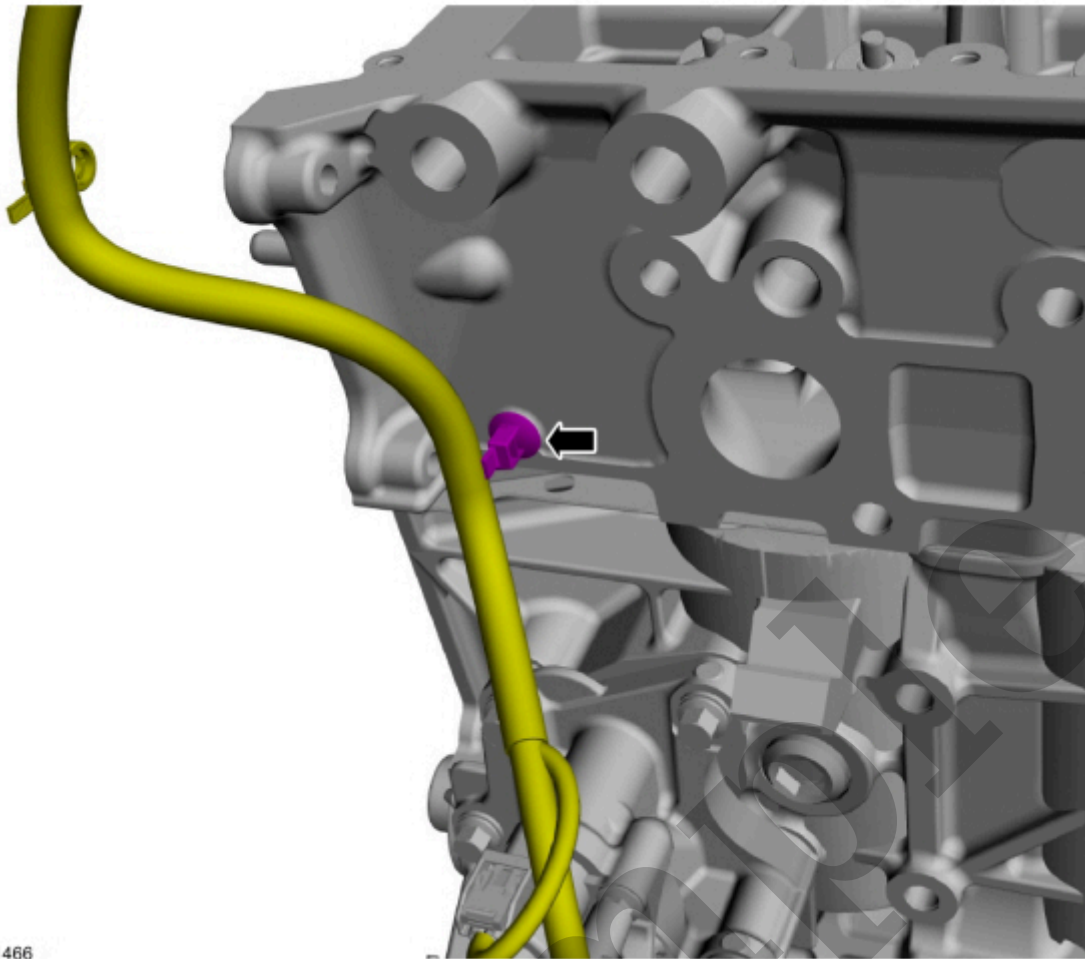
In stage 3, if the torque required to tighten any flare nut on the new high-pressure fuel tube reaches or exceeds 55 lb.ft (50 Nm), then that high pressure fuel tube must be discarded and replaced with another new high-pressure fuel tube.

Torque :

Stage 1: Tighten the high-pressure fuel tube flare nuts to : 71 lb.in (8 Nm)

Stage 2: Tighten the high-pressure fuel tube flare nuts to : 89 lb.in (10 Nm)

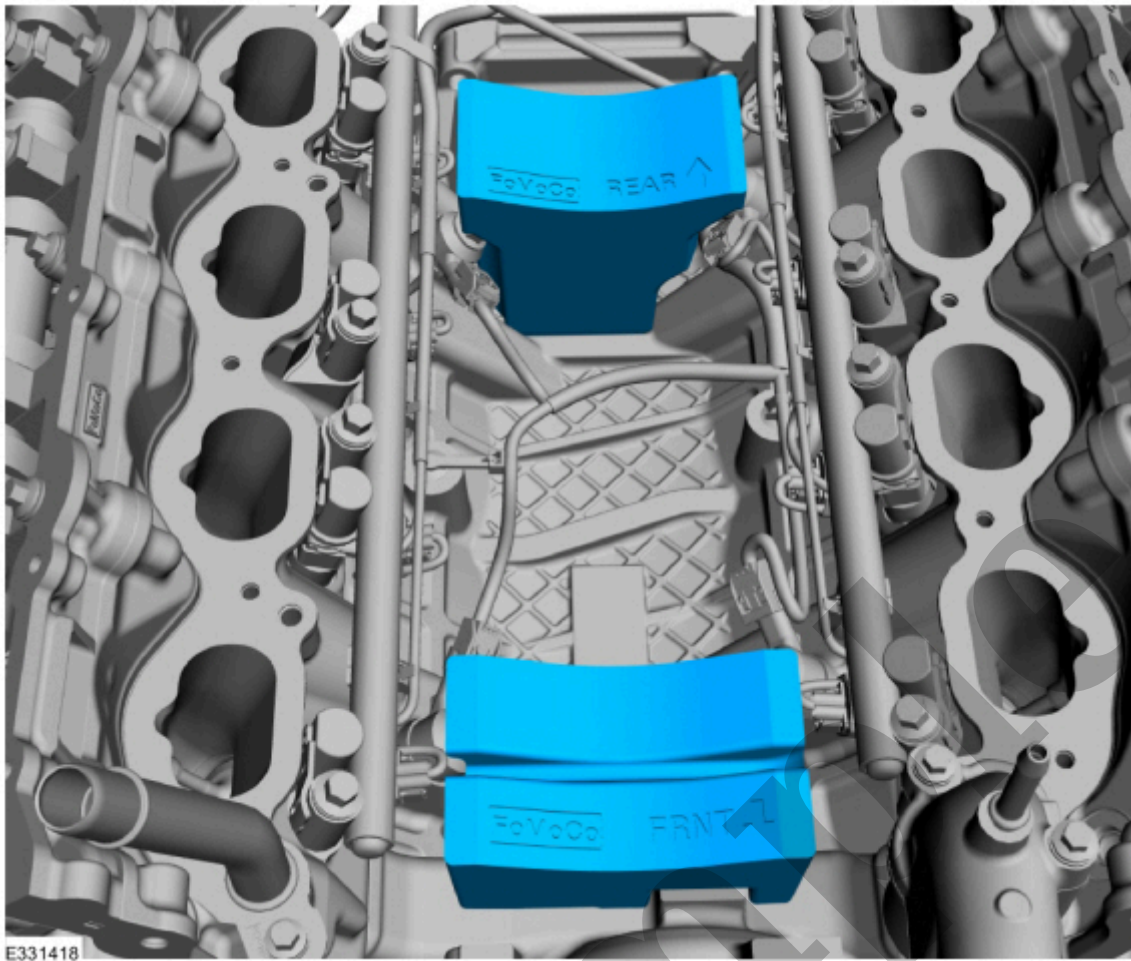
Stage 3: Tighten the high-pressure fuel tube flare nuts an additional : 25°



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5. Connect the engine wiring harness electrical connectors.



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7. Install the following items:

1. Refer to: [Exhaust Manifold LH](#)(303-01E Engine - 5.0L 32V Ti-VCT, Removal and Installation).
2. LH (left-hand) hydraulic lash adjusters.

Refer to: [Hydraulic Lash Adjuster](#)(303-01E Engine - 5.0L 32V Ti-VCT, Removal and Installation).

8. Replace the engine oil filter and engine oil.

Refer to: [Engine Oil Draining and Filling](#)(303-01E Engine - 5.0L 32V Ti-VCT, General Procedures).

9. Connect the battery ground cable.

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

10. Pressurize the fuel system.

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

Cylinder Head RH

303-01E Engine - 5.0L 32V Ti-VCT	2022 F-150
Removal and Installation	Procedure revision date: 10/1/2020

Cylinder Head RH

Removal

NOTICE

During engine repair procedures, cleanliness is extremely important. Any foreign material, including any material created while cleaning gasket surfaces, that enters the oil passages, coolant passages or the oil pan, can cause engine failure.

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. Release the fuel system pressure.

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

3. Disconnect the battery ground cable.

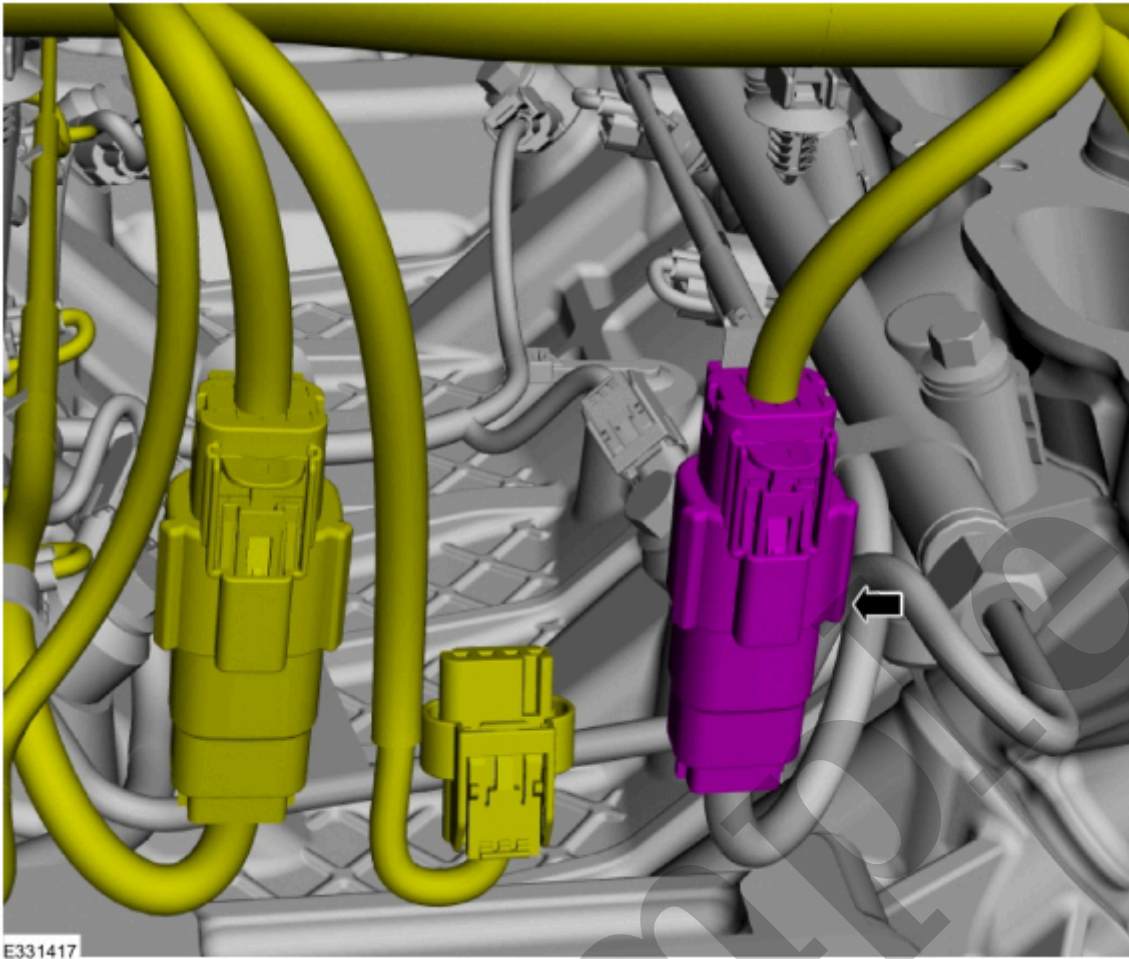
Refer to: [Battery Disconnect and Connect](#)(414-01 Battery, Mounting and Cables, General Procedures).

4. Drain 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).

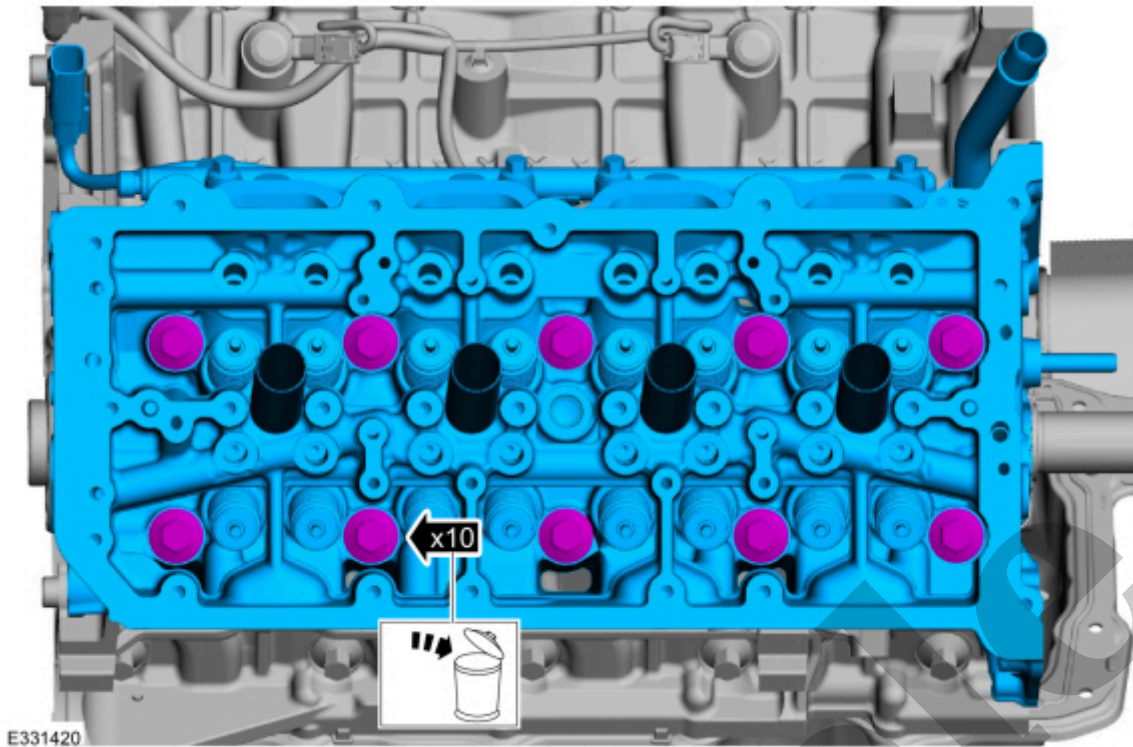
5. Remove the following items:

1. RH (right-hand) hydraulic lash adjusters.



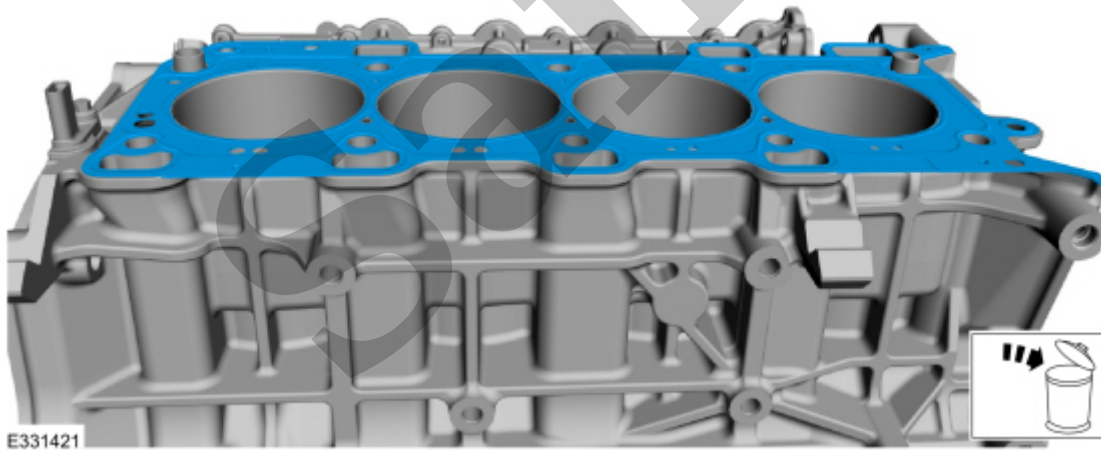
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8. Disconnect the high-pressure fuel tube flare nuts, then remove and discard the high-pressure fuel tube.



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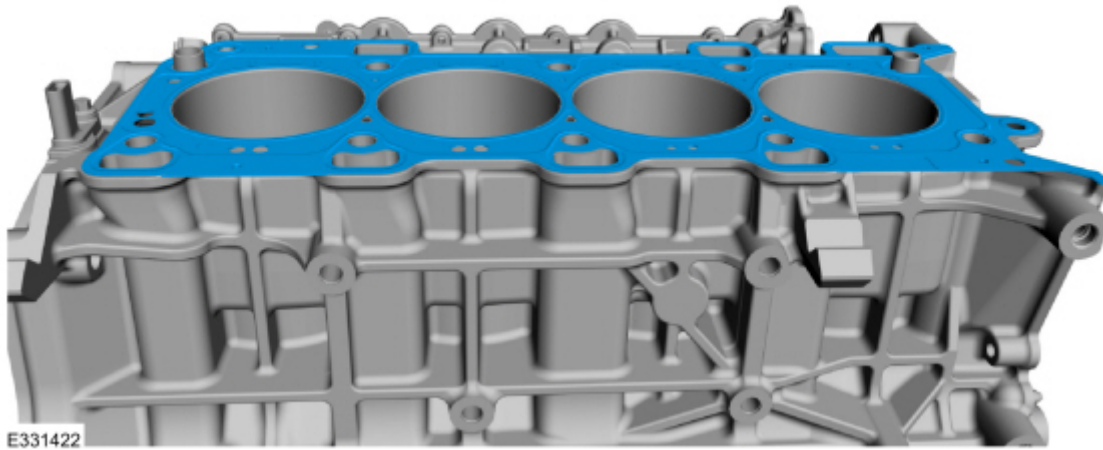
10. Remove and discard the cylinder head gasket.



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11. **NOTICE**

Do not use metal scrapers, wire brushes, power abrasive discs or other abrasive means to clean the sealing surfaces. These tools cause scratches and gouges which make leak paths.



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2. NOTE

The cylinder head bolts are torque-to-yield and must not be reused. New cylinder head bolts must be installed.

1. Install the cylinder head and the new bolts.

Torque :

Stage 1: Bolts 1-10 in sequence: 18 lb.ft (25 Nm)

Stage 2: Bolts 1-10 in sequence: 55 lb.ft (75 Nm)

Stage 3: Bolt 1: Loosen: 180°

Stage 4: Bolt 1: 37 lb.ft (50 Nm)

Stage 5: Bolt 1: 240°

2. Perform stages 3, 4 and 5 on bolts 2 through 10 (complete all three stages to each bolt before moving on to the next bolt in sequence).