

# Your Ultimate Source for OEM Repair Manuals

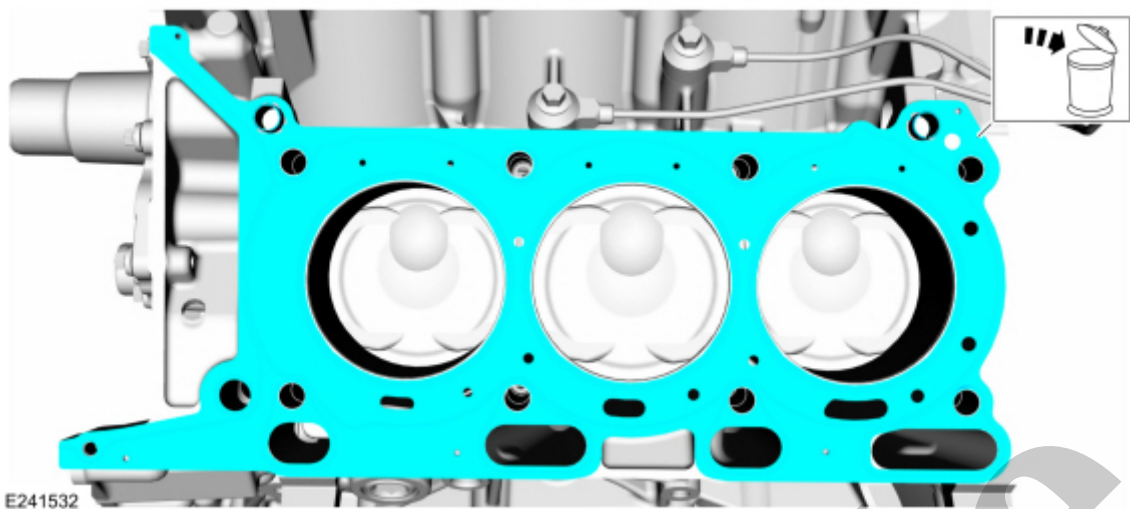
FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

## 1995 Ford F250 Service Manual

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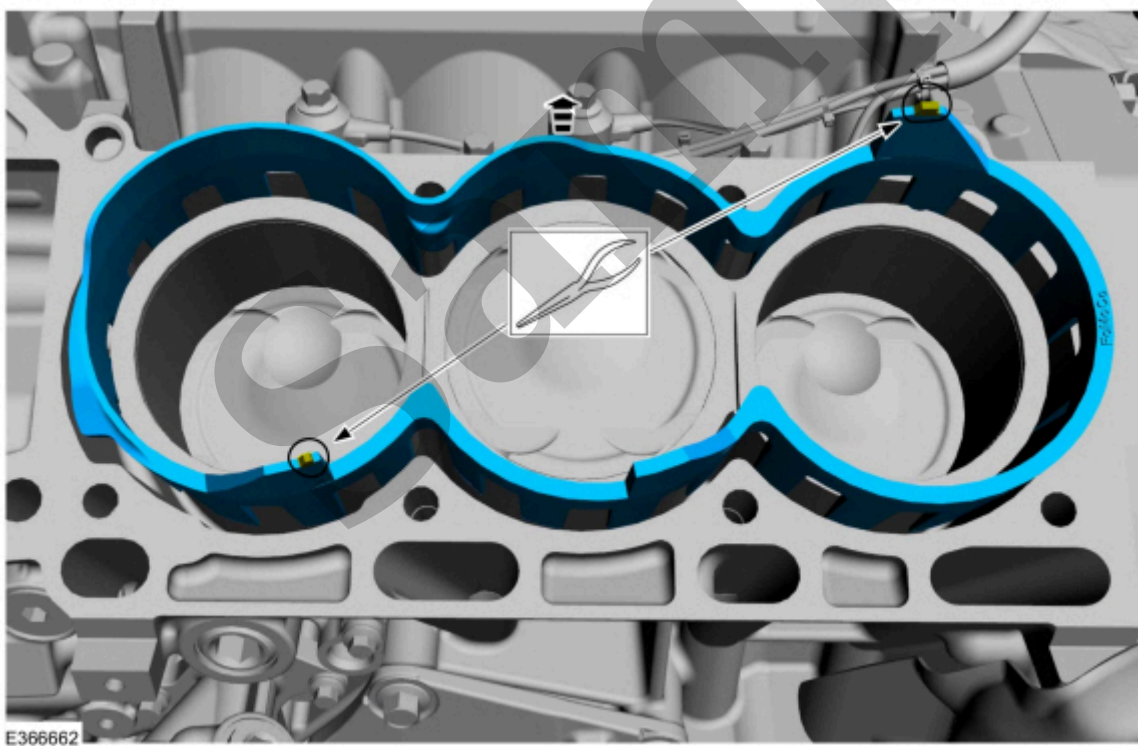
11. Remove and discard the LH (left-hand) cylinder head gasket.



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

12. Remove the LH (left-hand) water jacket spacer.

Use the General Equipment: Long Nose Pliers



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

13. **NOTICE**



## Cylinder Head - Body On - RH

<b>303-01D Engine - 3.5L V6 PowerBoost (CN)</b>	<b>2022 F-150</b>
<b>Removal</b>	<b>Procedure revision date: 09/21/2021</b>

### Cylinder Head - Body On - RH

#### 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.

#### NOTE

It is recommended that this component be serviced with the vehicle body removed. If the body can be removed, refer to Engine — Body Off in this section.

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).

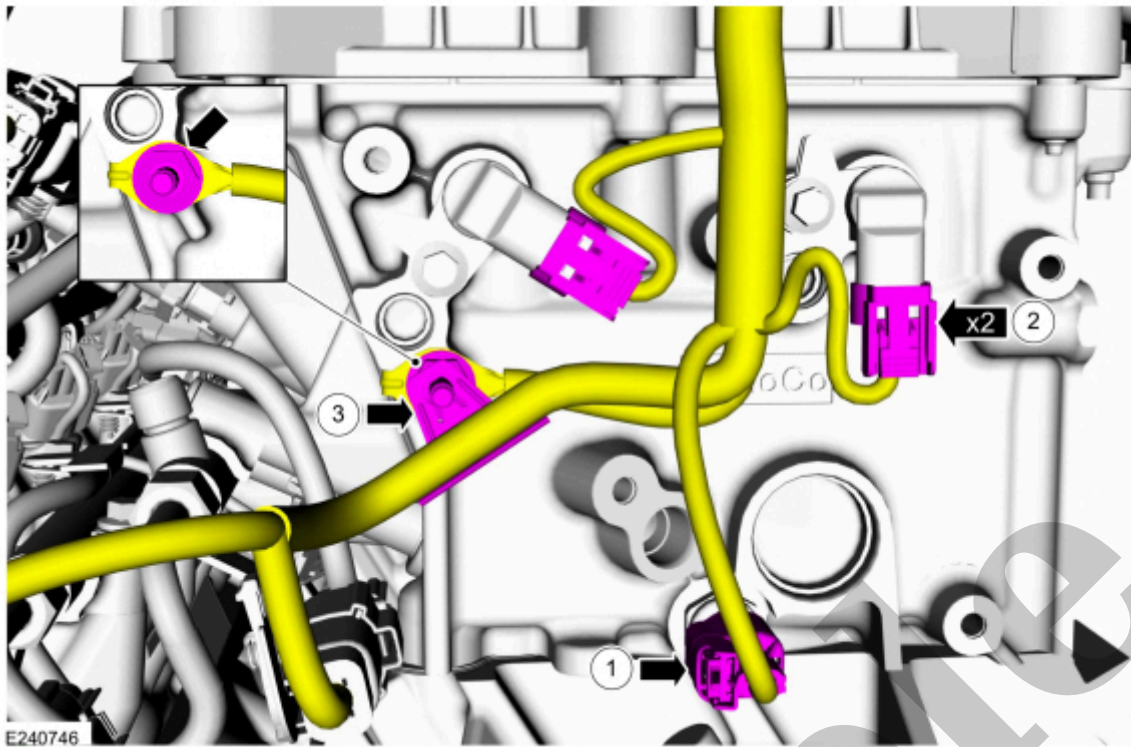
2. Release the fuel system pressure.

Refer to: [Fuel System Pressure Release](#)(310-00C Fuel System - General Information - 3.5L EcoBoost (BM), General Procedures).

3. Disconnect the battery ground cable.

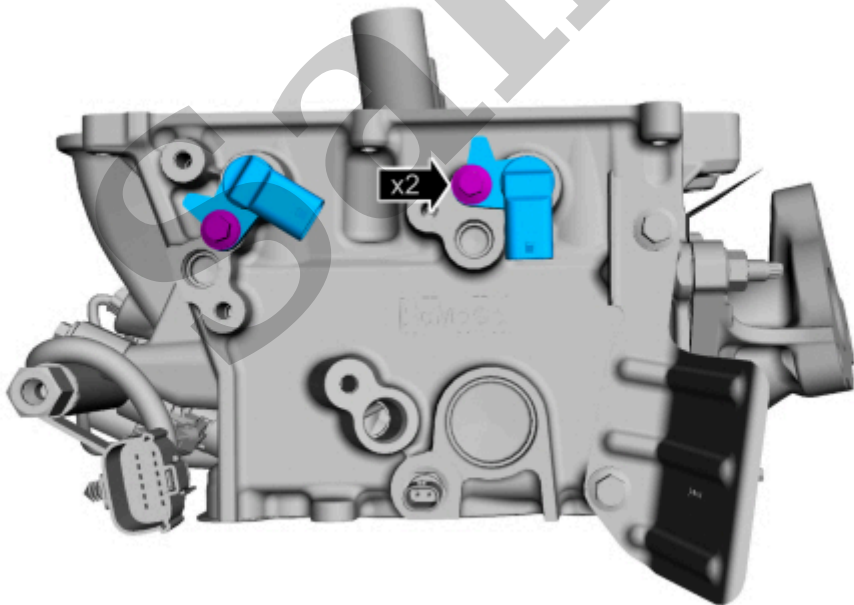
Refer to: [Battery Cables - 3.5L EcoBoost \(BM\)](#)(414-01 Battery, Mounting and Cables, Removal and Installation).

4. Remove the RH (right-hand) turbocharger.



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

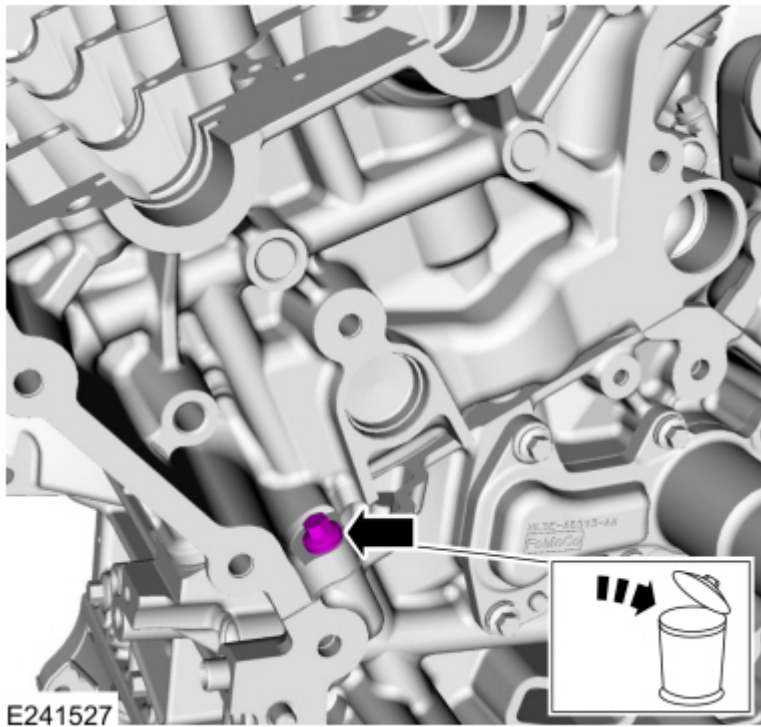
9. Remove the bolts and CMP (camshaft position) sensors.



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

10. Remove the bolts and the heat shield.



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

### 13. NOTICE

Place clean shop towels over exposed engine cavities. Carefully remove the towels so foreign material is not dropped into the engine. Any foreign material (including any material created while cleaning gasket surfaces) that enters the oil passages or the oil pan, may cause engine failure.

### NOTICE

Aluminum surfaces are soft and can be scratched easily. Never place the cylinder head gasket surface, unprotected, on a bench surface

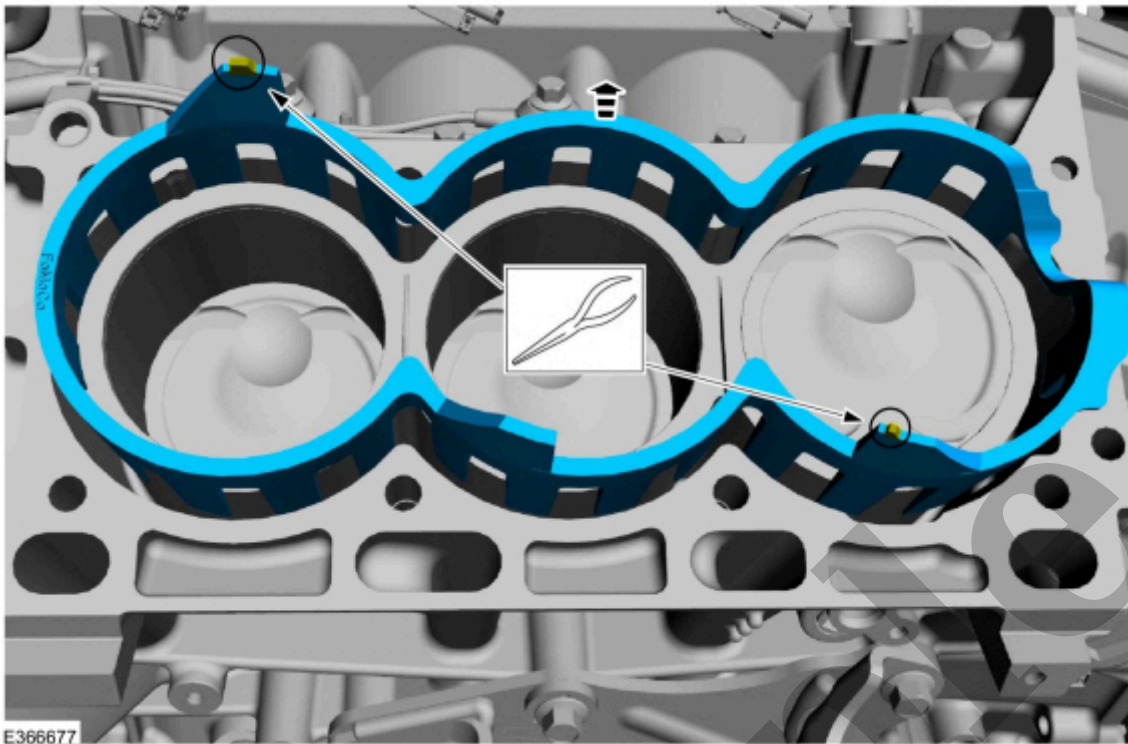
### NOTE

The cylinder head bolts must be discarded and new bolts must be installed. They are tighten-to-yield designed and cannot be reused.

- Remove and discard the bolts from the RH (right-hand) cylinder head.
- Remove the cylinder head.



Use the General Equipment: Long Nose Pliers



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

#### 16. 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 that make leak paths. Use a plastic scraping tool to remove all traces of the head gasket.

#### NOTE

Observe all warnings or cautions and follow all application directions contained on the packaging.

Make sure that the mating faces are clean and free of foreign material.

**Material** : Motorcraft® Silicone Gasket Remover / ZC-30-A

**Material** : Motorcraft® Metal Surface Prep Wipes / ZC-31-B

17. Support the cylinder head on a bench with the head gasket side up. Check the cylinder head distortion and the cylinder block distortion.

Refer to: [Cylinder Head Distortion](#)(303-00 Engine System - General Information, General Procedures).



# Engine - Body Off

303-01D Engine - 3.5L V6 PowerBoost (CN)	2022 F-150
Removal	Procedure revision date: 10/29/2020

## Engine - Body Off

### NOTICE

The turbocharger compressor vanes can be damaged by even the smallest particles. When removing any turbocharger or engine air intake system component, ensure that no debris enters the system. Failure to do so may result in damage to the turbocharger.

### NOTICE

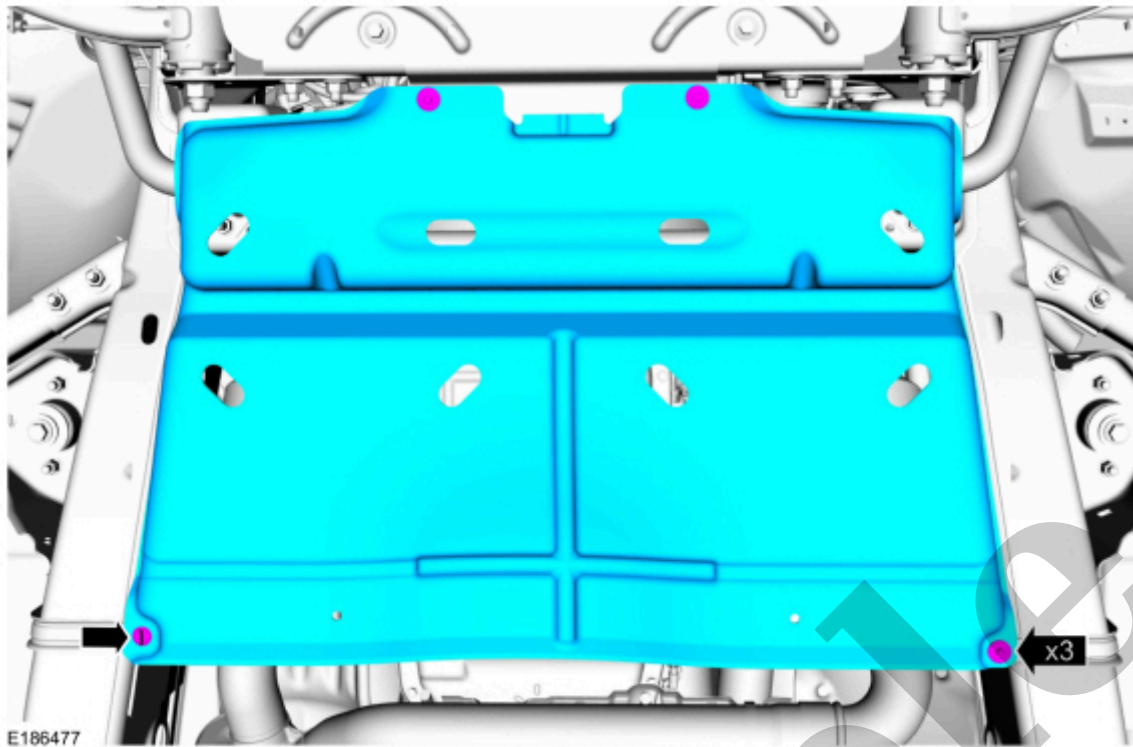
During the removal or installation of components, cap, tape or otherwise appropriately protect all openings and tubes/fittings to prevent the ingress of dirt or other contamination. Remove caps, tape and other protective materials prior to installation.

### NOTE

It is recommended that this component be serviced with the vehicle body removed. If the body cannot be removed, refer to Engine — Body On in this section.

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.



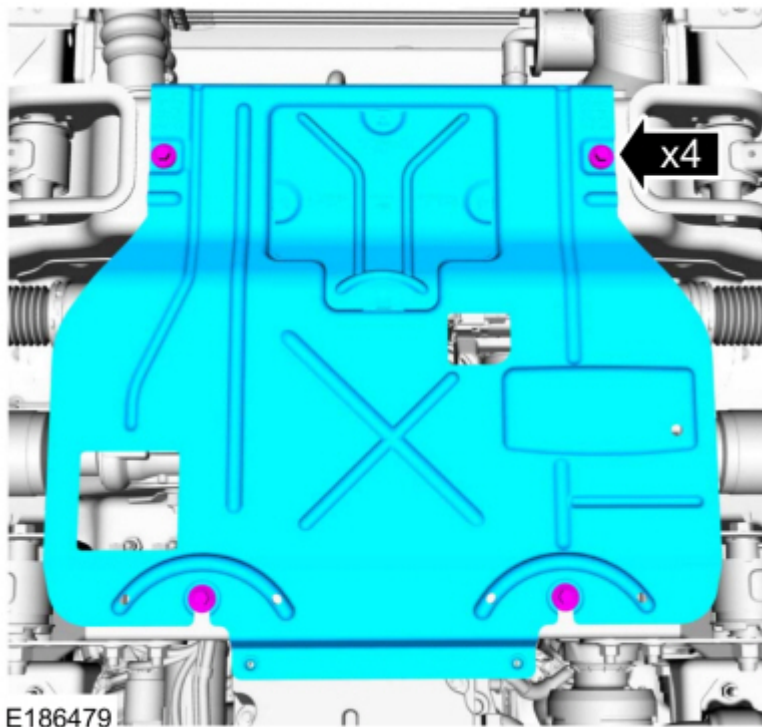


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7. **NOTE**

Vehicles come with an underbody shield or a skid plate.

- If equipped.  
Remove the pin-type retainers.
- Remove the bolts and the underbody shield.

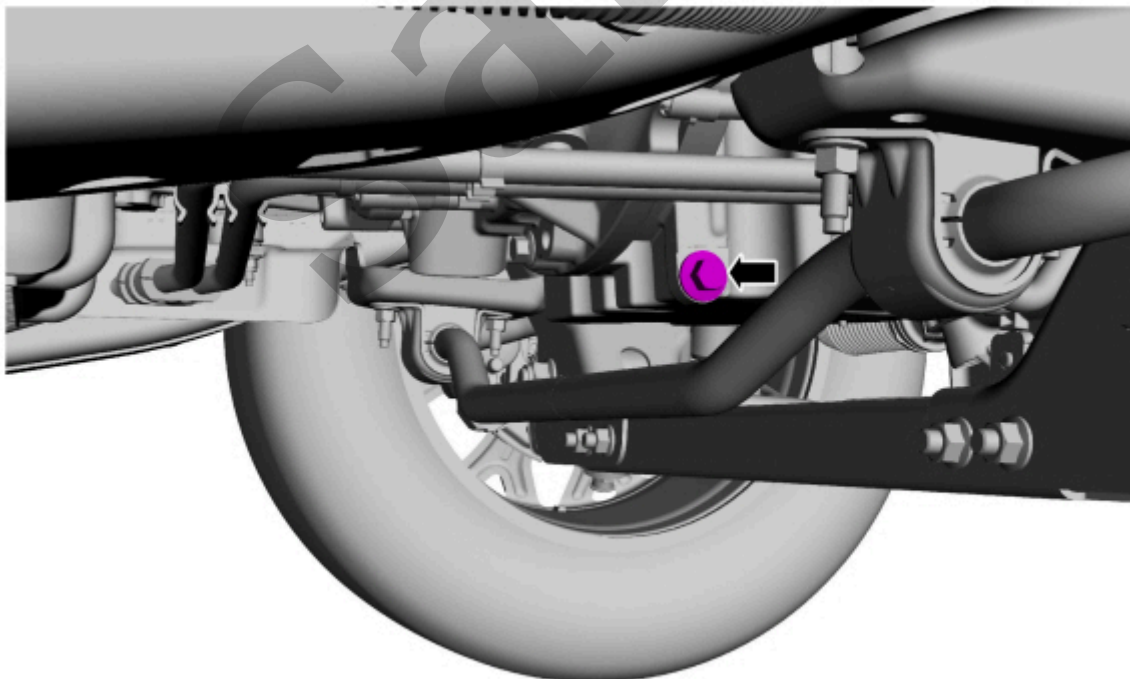


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9. Remove the oil pan plug and drain the engine oil.

Use the General Equipment: Oil Drain Equipment

**Torque** : 20 lb.ft (27 Nm)



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