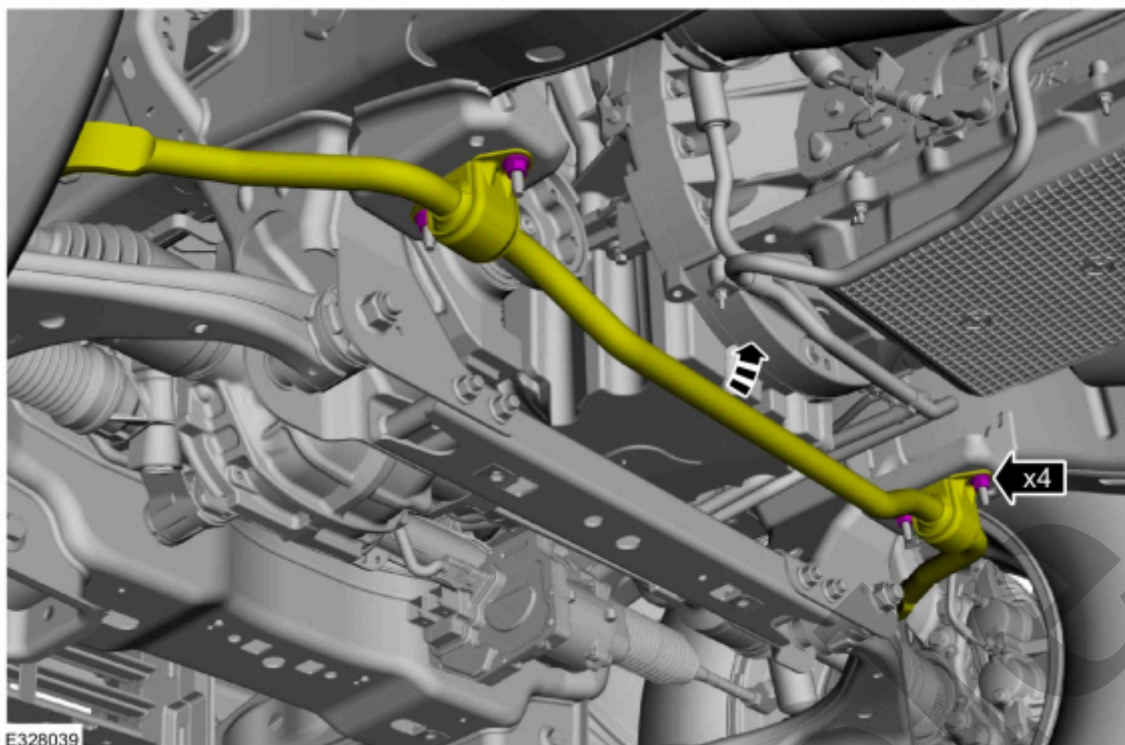


Your Ultimate Source for OEM Repair Manuals

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 Police Interceptor Sedan Service and Repair Manual

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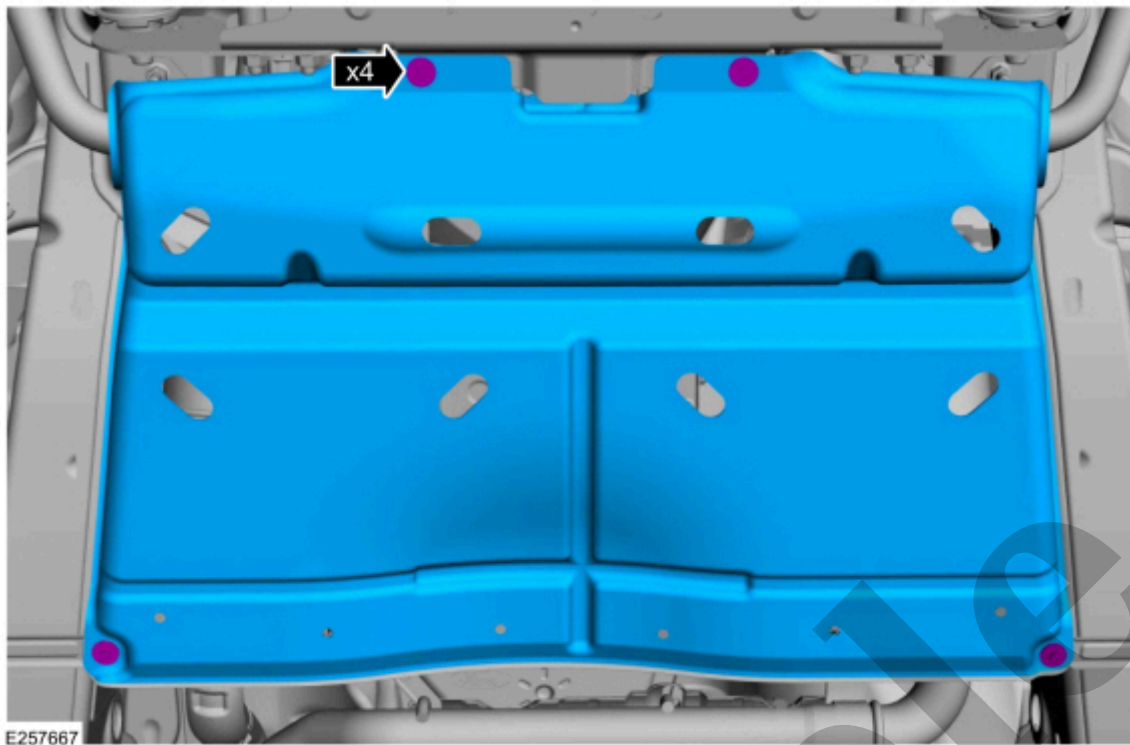
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35. **NOTE**

If equipped.

Install the skid plate and bolts.

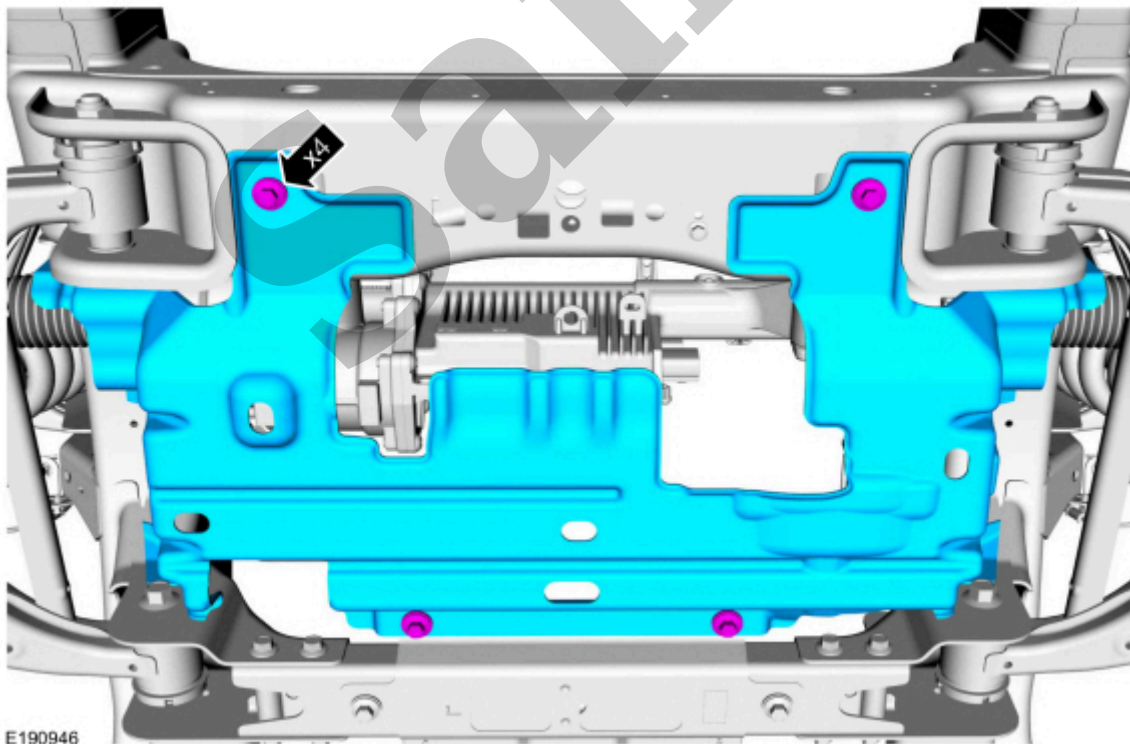
Torque : 30 lb.ft (40 Nm)



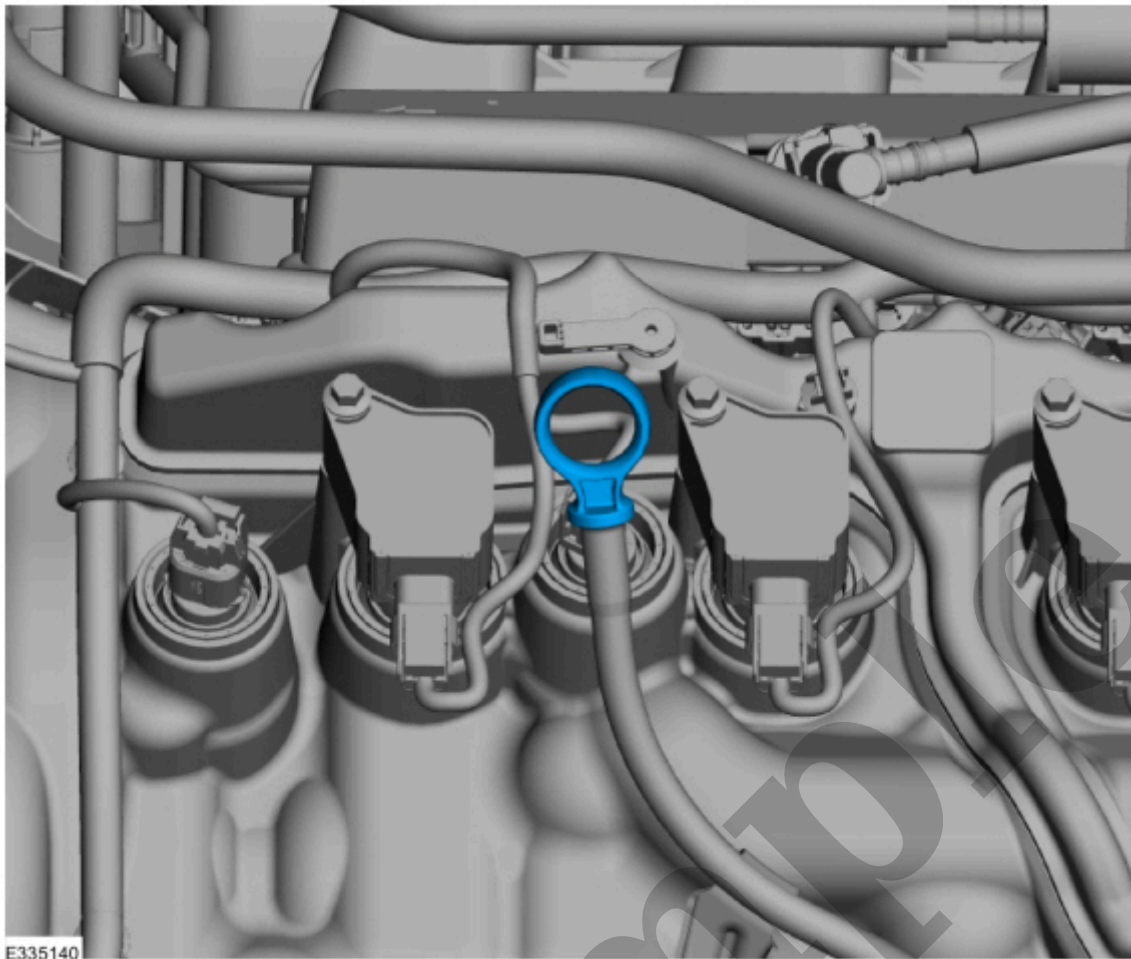
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37. If equipped, install the underbody shield and fasteners.

Torque : 30 lb.ft (40 Nm)



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40. 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).

41. Fill the engine with clean engine oil.

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

42. Connect the battery ground cable.

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

43. Fill and bleed the engine cooling system.

Oil Pump Drive Belt

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

Oil Pump Drive Belt

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.

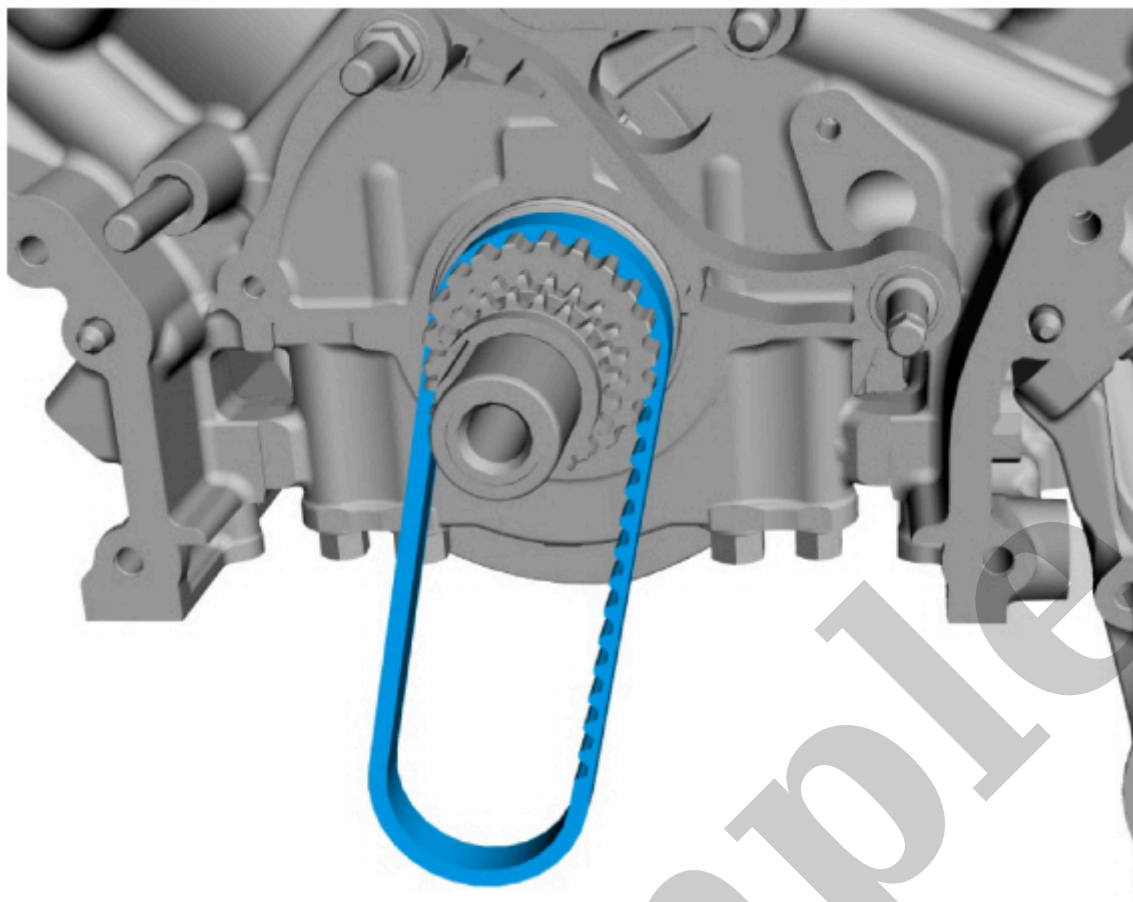
1. Remove the RH (right-hand) and LH (left-hand) timing chains.

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

2. Remove the oil pan.

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

3.
 1. Remove the oil pump bolts.
 2. Lower the rear of the oil pump assembly.
 3. Separate the oil pump sprocket from the oil pump drive belt.

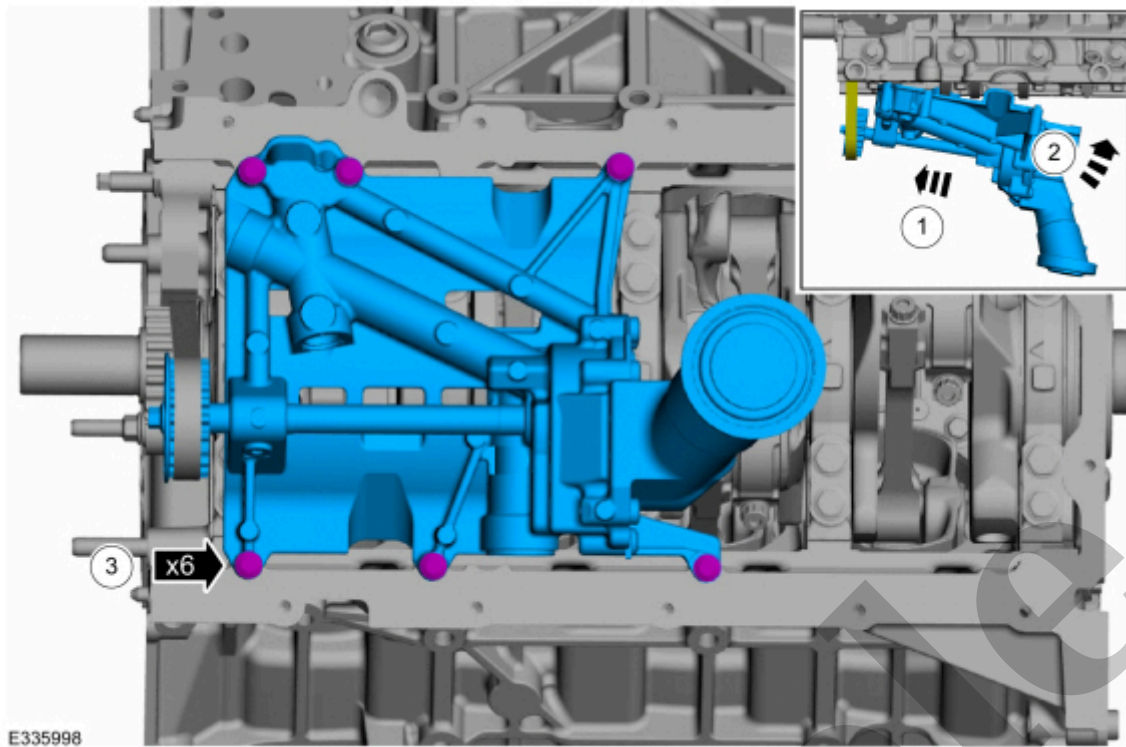


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Installation

1. Install the oil pump drive belt onto the crankshaft sprocket.



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

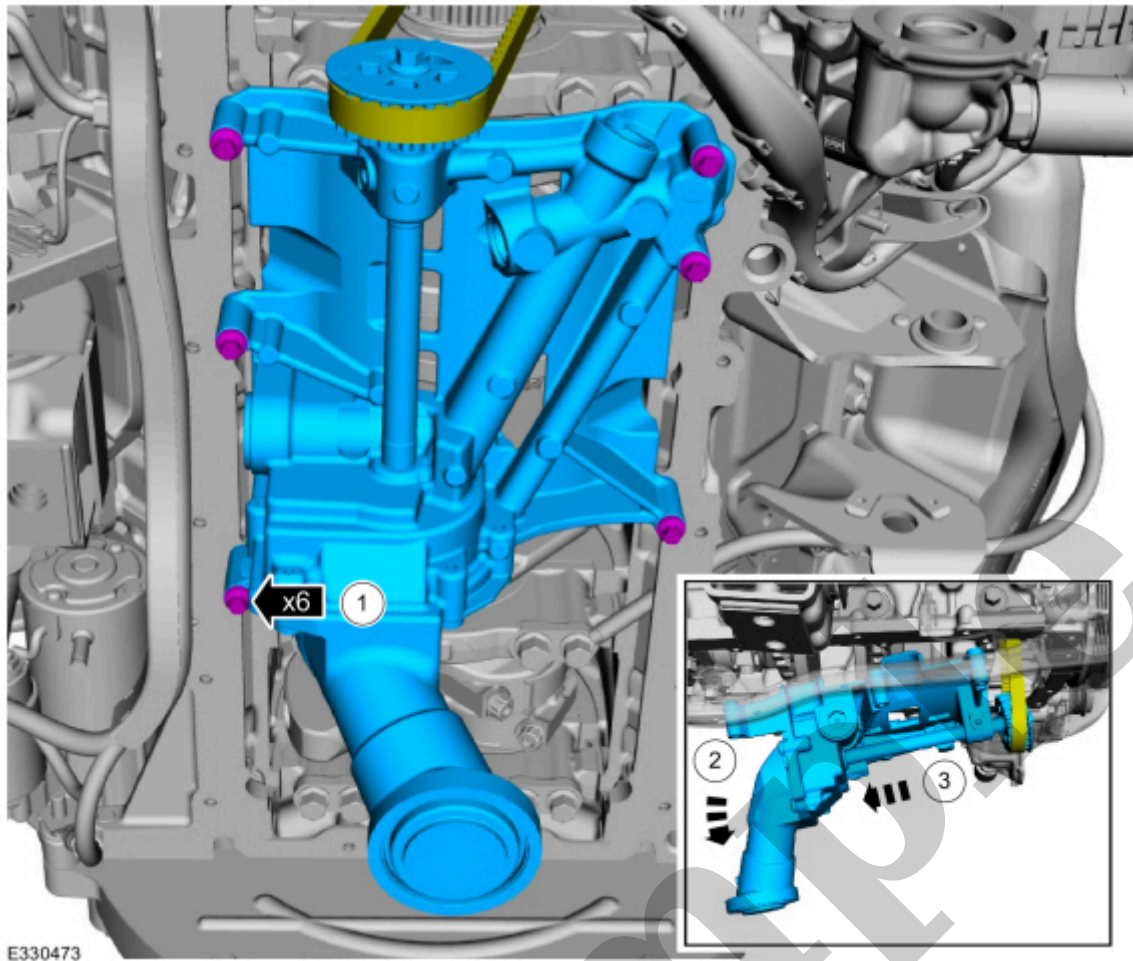
3. Install the oil pan.

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

4. Install the LH (left-hand) and RH (right-hand) timing chains.

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

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Installation

1. Prime the oil pump. Add 2 tablespoons of clean engine oil to the oil pump and rotate the oil pump by hand.

2. NOTE

Make sure the oil pump drive belt teeth are engaged in the crankshaft sprocket prior to installing the oil pump.

1. Install the oil pump sprocket into the oil pump drive belt.
2. Raise the rear of the oil pump assembly into the installed position.
3. Install the oil pump bolts.

Torque :

Stage 1: 89 lb.in (10 Nm)



Rocker Arm

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

Rocker Arm

Removal

All rocker arms

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.

NOTICE

The engine is equipped with standard rocker arms/hydraulic lash adjusters and deactivating rocker arms/hydraulic lash adjusters. All components must be installed in their original positions or damage to the engine will occur.

1. Remove the LH (left-hand) and/or RH (right-hand) camshaft and carrier assembly.

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

Standard rocker arm

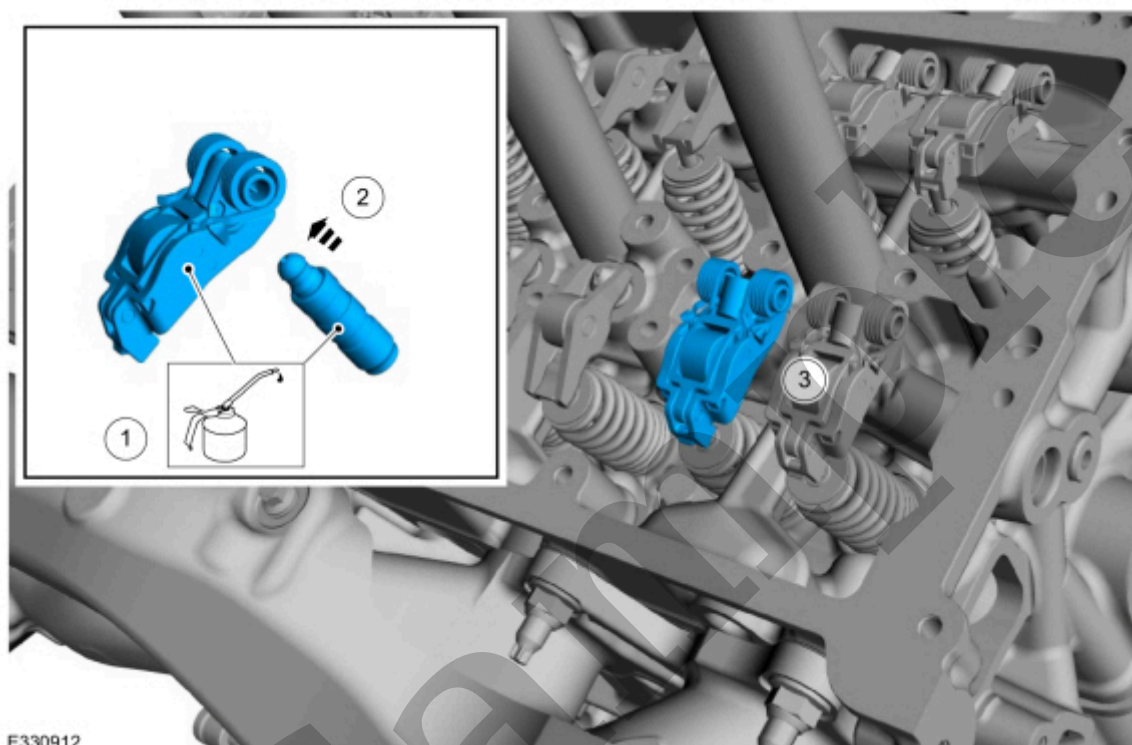
2. 1. Remove the rocker arm and hydraulic lash adjuster assembly.
2. Disengage the spring clip and separate the rocker arm and hydraulic lash adjuster.

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

Installation

Deactivating rocker arm

1. Lubricate the rocker arm and hydraulic lash adjuster with clean engine oil.
2. Engage the hydraulic lash adjuster into the spring clip on the rocker arm.
3. Install the rocker arm and hydraulic lash adjuster assembly.



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

Standard rocker arm

1. Lubricate the rocker arm and hydraulic lash adjuster with clean engine oil.
2. Engage the hydraulic lash adjuster into the spring clip on the rocker arm.
3. Install the rocker arm and hydraulic lash adjuster assembly.