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2015 Ford Police Interceptor Utility Service and Repair Manual

[Go to manual page](#)

46. **NOTICE**

Only use hand tools when installing the engine mount studs or damage to the engine mount can occur.

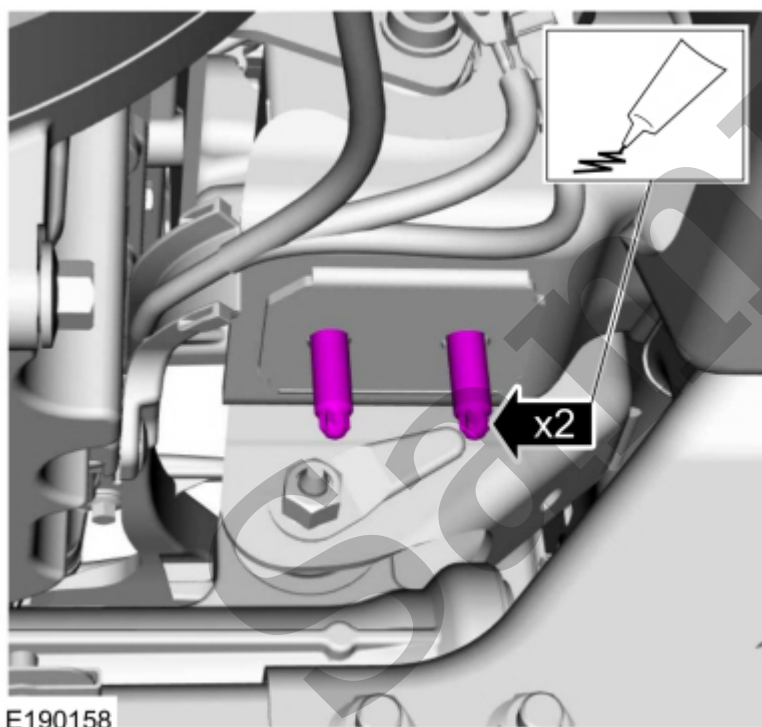
NOTE

Apply threadlock to the stud threads prior to installation.

Install the engine mount studs.

Material : Motorcraft® Threadlock 262 / TA-26 (WSK-M2G351-A6)

Torque : 22 lb.ft (30 Nm)

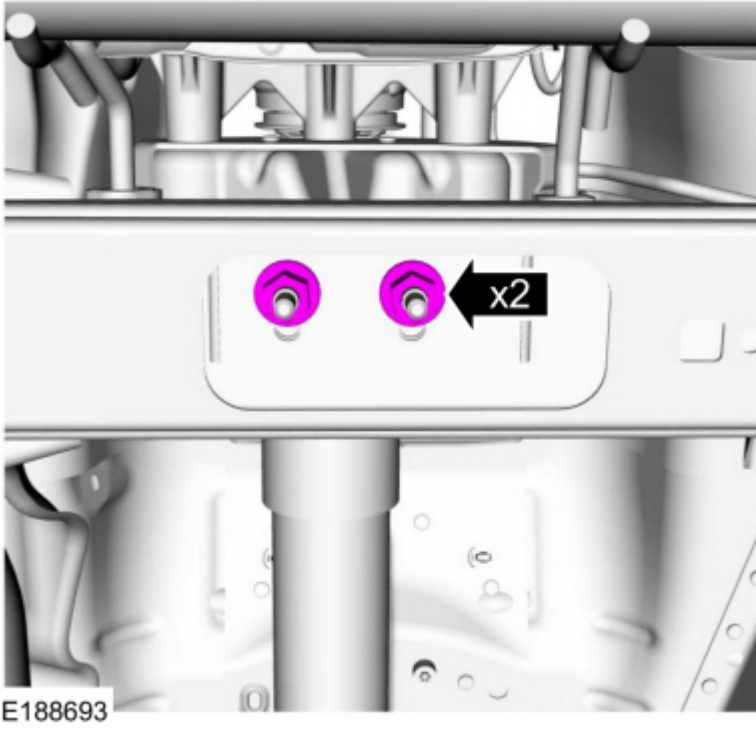


[Click here to learn about symbols, color coding, and icons used in this manual.](#)

47. **NOTICE**

Only use hand tools when installing the engine mount nuts or damage to the engine mount can occur.

Install the new RH (right-hand) engine mount nuts.



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49. **NOTE**

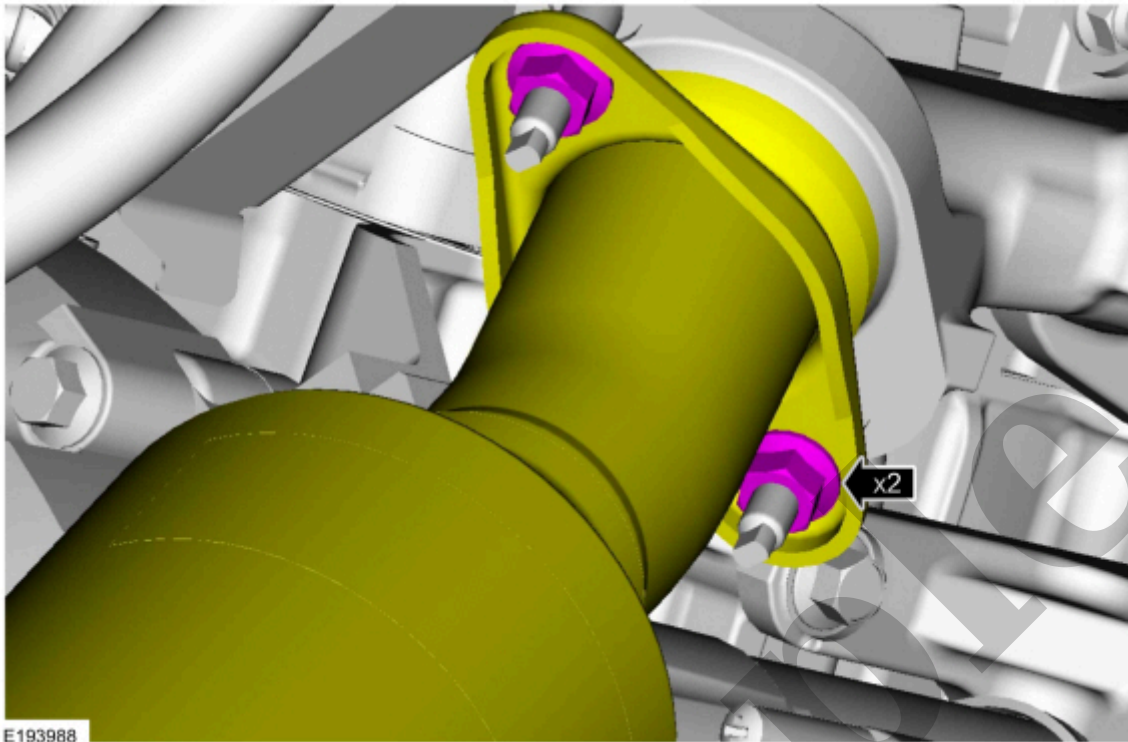
Only rotate the crankshaft in a clockwise direction.

Install the new torque converter-to-flexplate nuts.

Use the General Equipment: Magnetic Socket

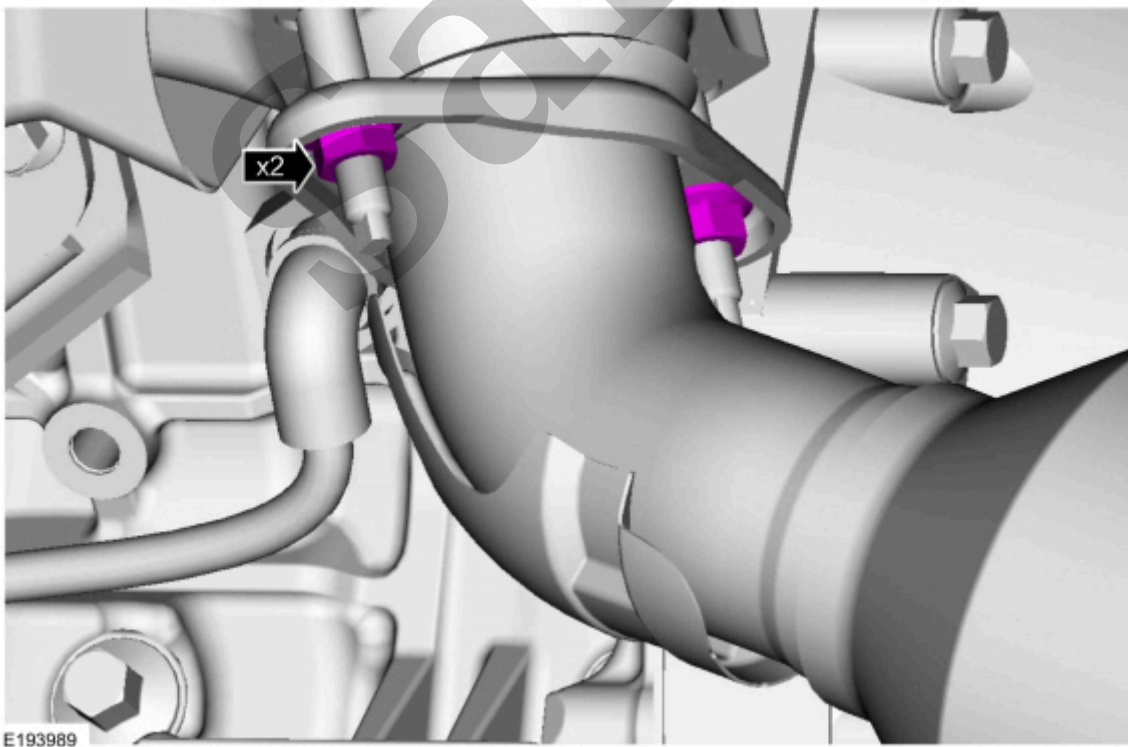
Torque : 30 lb.ft (40 Nm)

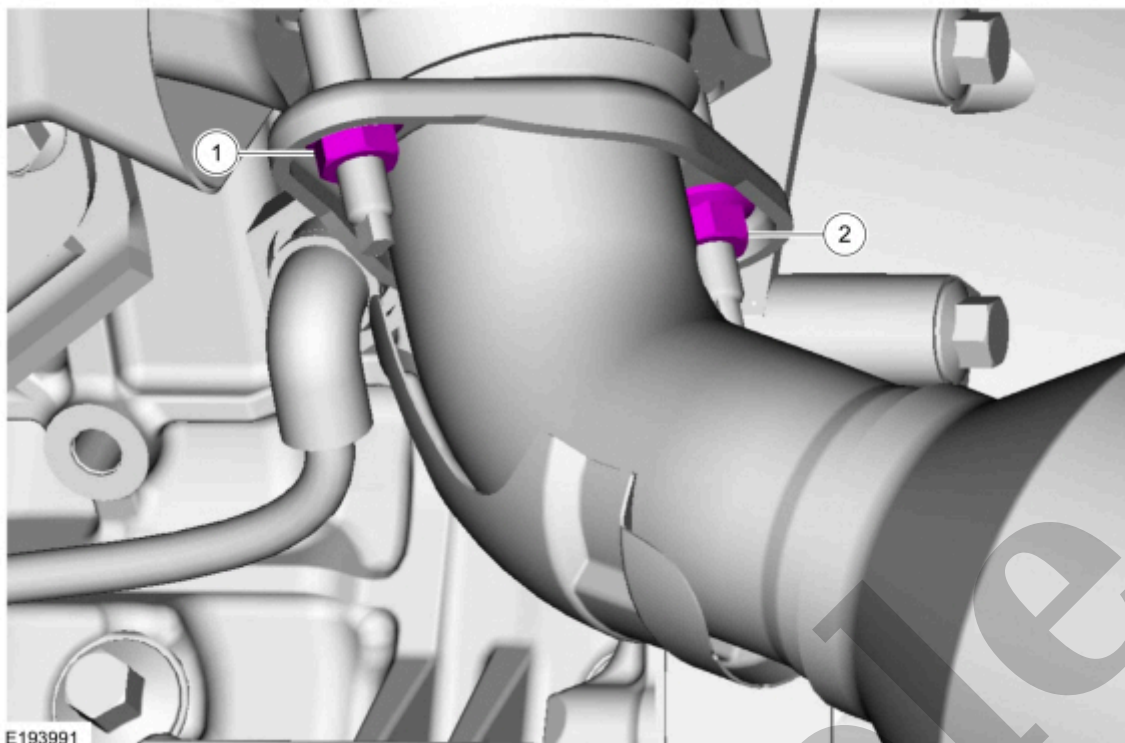
51. Position the exhaust Y-pipe dual catalytic converter onto the exhaust manifolds and loosely install new RH (right-hand) catalytic converter-to-exhaust manifold nuts.



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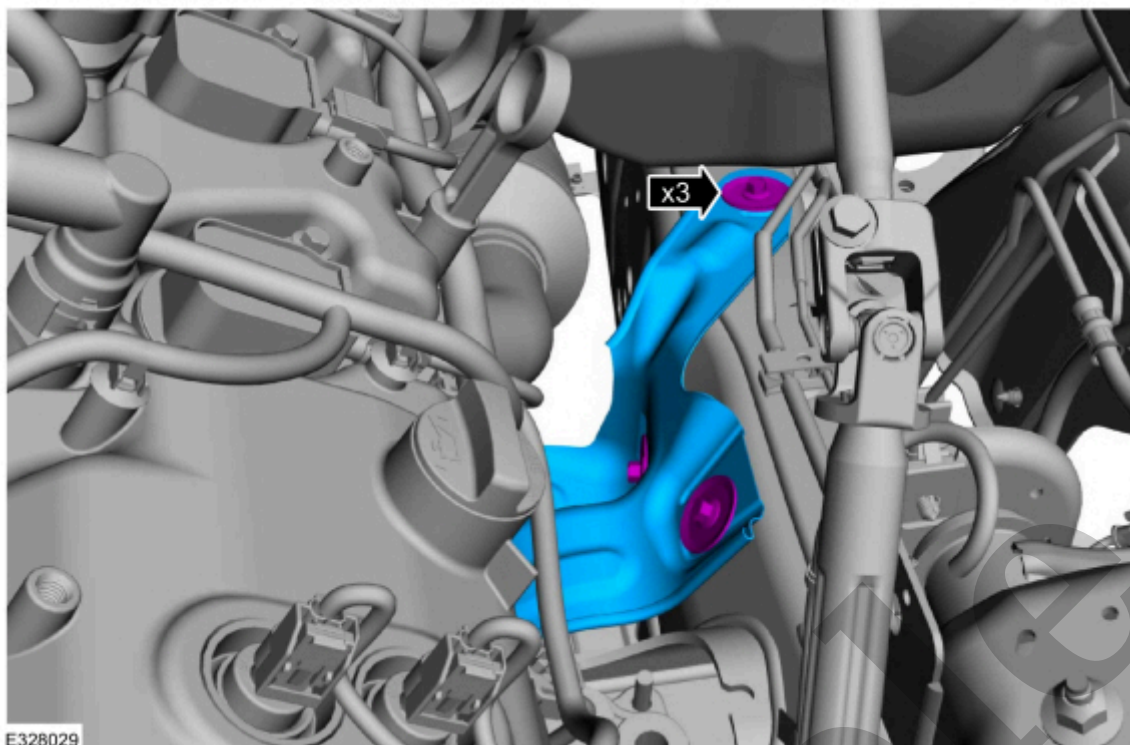
52. Loosely install new LH (left-hand) catalytic converter-to-exhaust manifold nuts.





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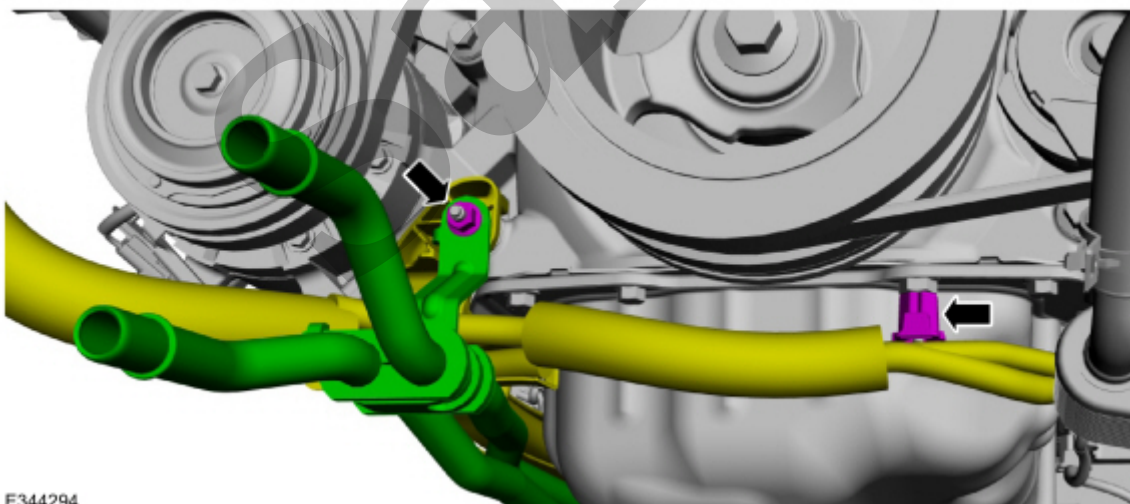
- 55.
- Position the exhaust Y-pipe dual catalytic converter-to-exhaust intermediate pipe and install the bolts.
 - Tighten the inner exhaust Y-pipe dual catalytic converter-to-exhaust intermediate pipe bolt.
Torque : 30 lb.ft (40 Nm)
 - Tighten the outer exhaust Y-pipe dual catalytic converter-to-exhaust intermediate pipe bolt.
Torque : 30 lb.ft (40 Nm)



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59. 1. Position the wiring harness and attach the wiring harness retainer.
2. Position the coolant tubes and install the nut.

Torque : 106 lb.in (12 Nm)



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

60. Position the wiring harness and install the nut.

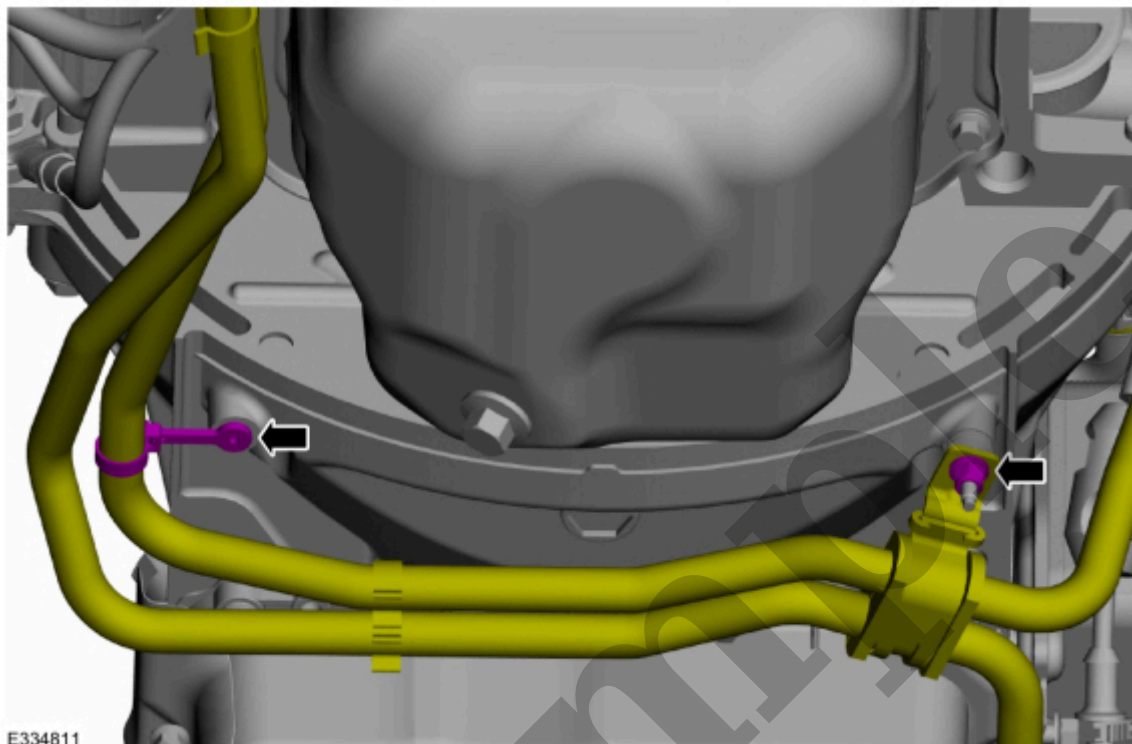
Torque : 106 lb.in (12 Nm)

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62. 1. Position the coolant tubes and bracket and install the nut.

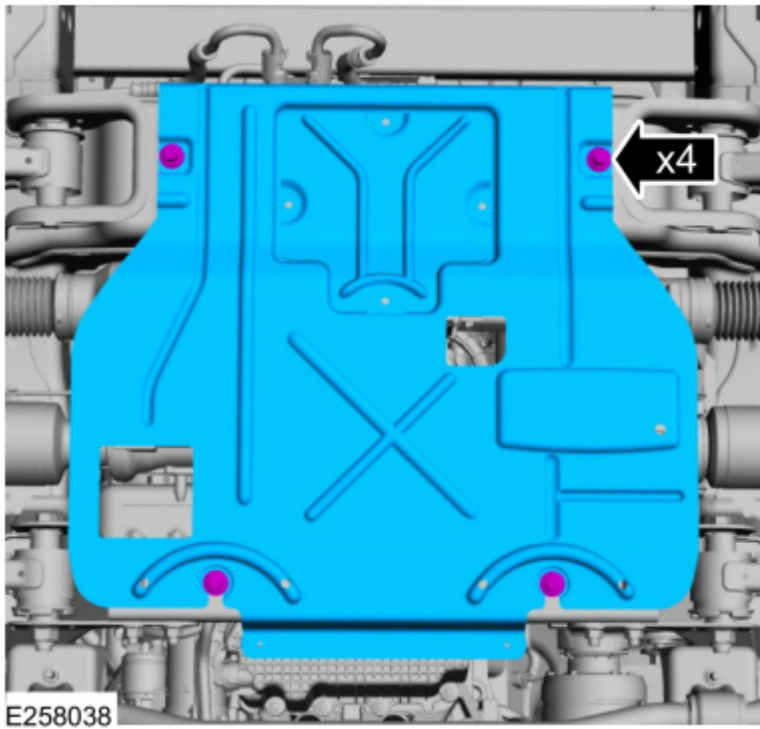
Torque : 119 lb.in (13.5 Nm)

2. Attach the coolant tube retainer.



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

63. 1. Connect the coolant hose quick release couplings.
2. Attach the coolant hose retainer.



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

66. **NOTE**

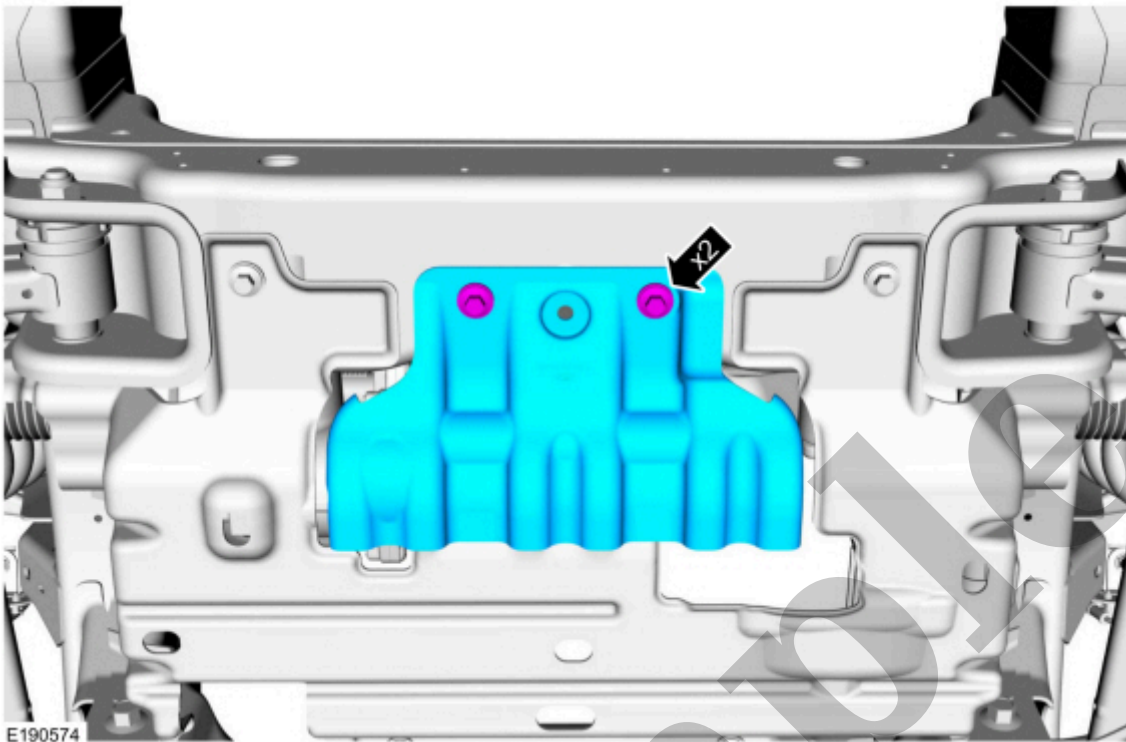
If equipped.

Install the underbody shield and the bolts.

Torque : 71 lb.in (8 Nm)

68. If equipped, install the skid plate and bolts.

Torque : 30 lb.ft (40 Nm)



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69. Fill the engine with clean engine oil.

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

70. Connect the battery ground cable.

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

71. Pressurize the fuel system.

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

72. 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).

73. Start engine and check exhaust system for leaks.

74. Use the Powertrain Control Module (PCM) Misfire Monitor Profile Correction routine in the diagnostic scan tool.



Engine - Body On

303-01E Engine - 5.0L 32V Ti-VCT	2022 F-150
Installation	Procedure revision date: 10/27/2021

Engine - Body On

All vehicles

1. Inspect the engine mount-to-frame nut plate for thread damage.
 2. If the nut plate is damaged, remove and discard the engine mount-to-frame nut plate.
- Clean the engine mount-to-frame mating surfaces of any dirt or foreign material prior to installation.

