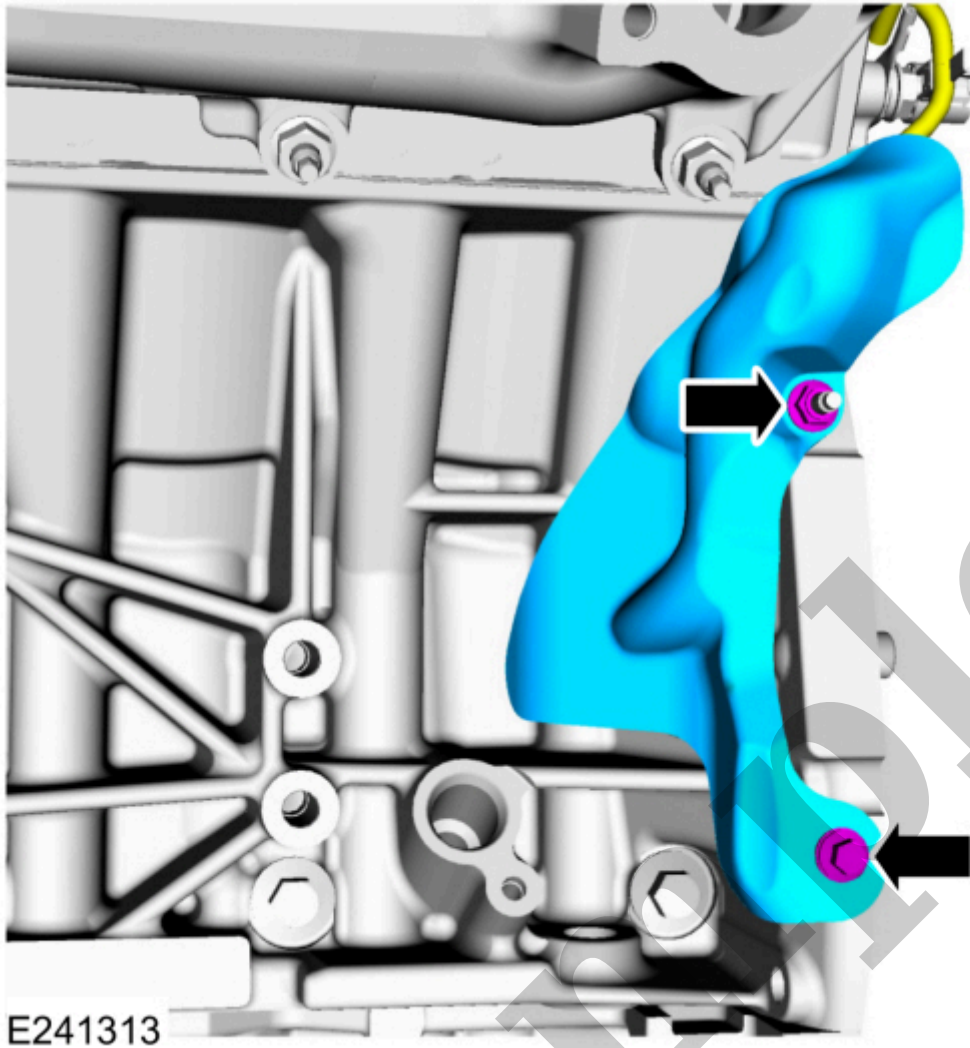


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2019 Ford Police Interceptor Sedan Service and Repair Manual

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E241313

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6. Position aside the CKP (crankshaft position) sensor access plug.



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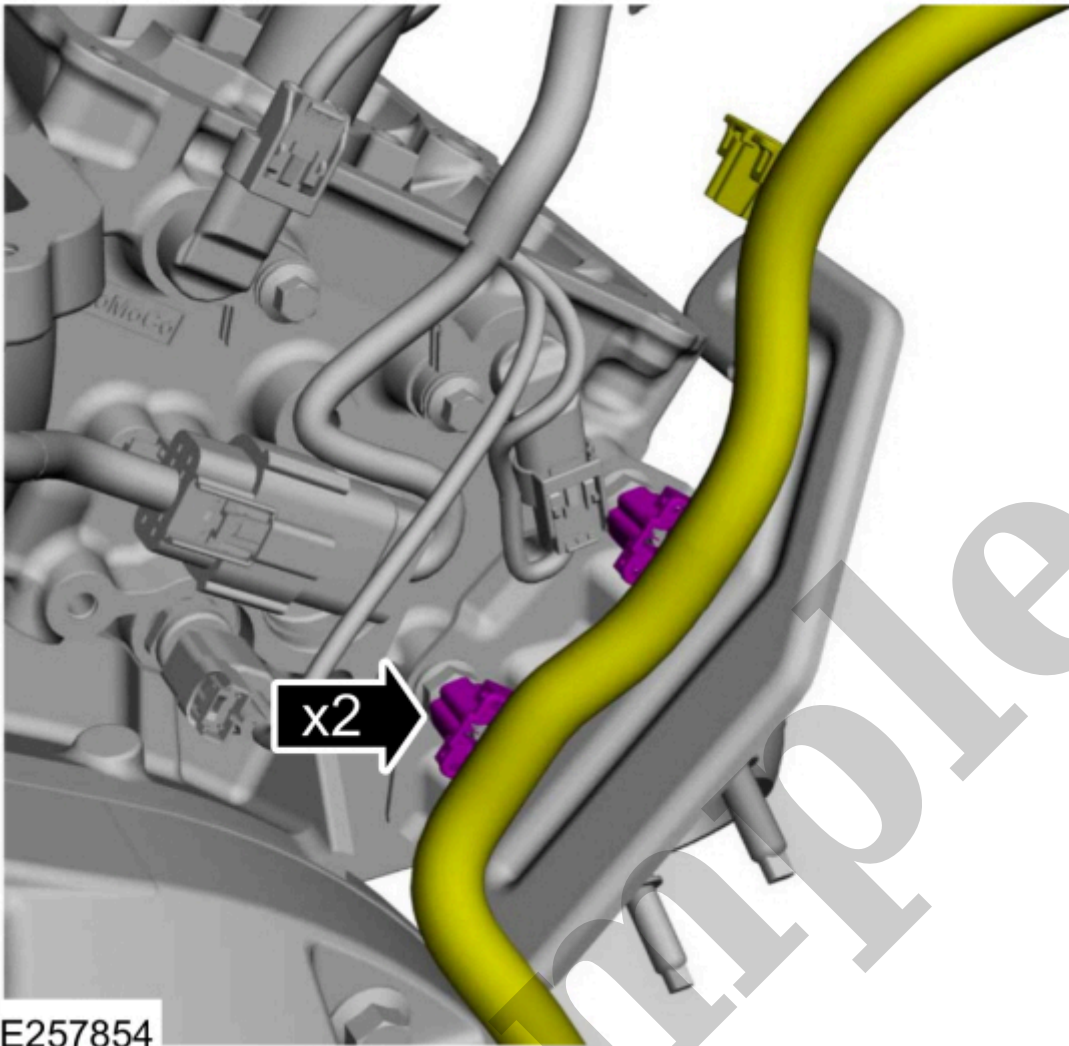
Installation

NOTE

Connect the electrical connector to the CKP (crankshaft position) sensor to aid in the installation.

1. To install, reverse the removal procedure.
2. Using the scan tool, perform the Misfire Monitor Neutral Profile Correction procedure, following the on-screen instructions.

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E257854

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3. Remove the stud bolts and the heat shield.

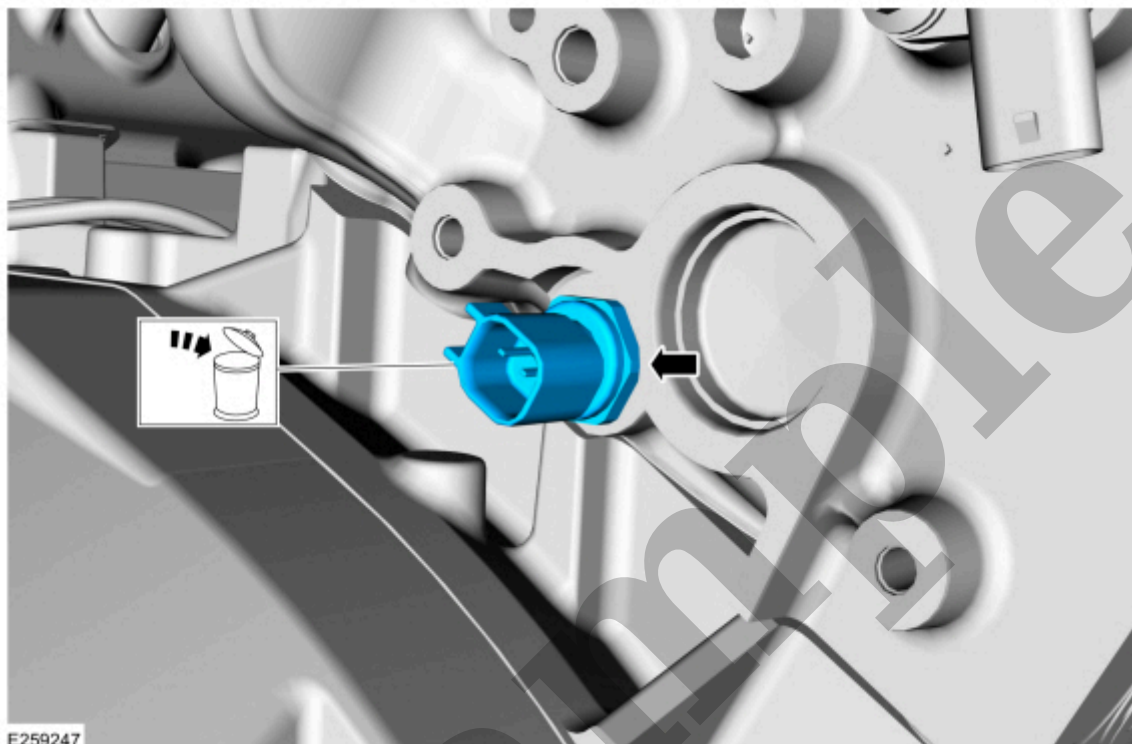
Torque : 89 lb.in (10 Nm)

5. **NOTE**

Do not reuse the CHT (cylinder head temperature) sensor, install a new sensor.

Remove and discard the CHT (cylinder head temperature) sensor.

Torque : 97 lb.in (11 Nm)

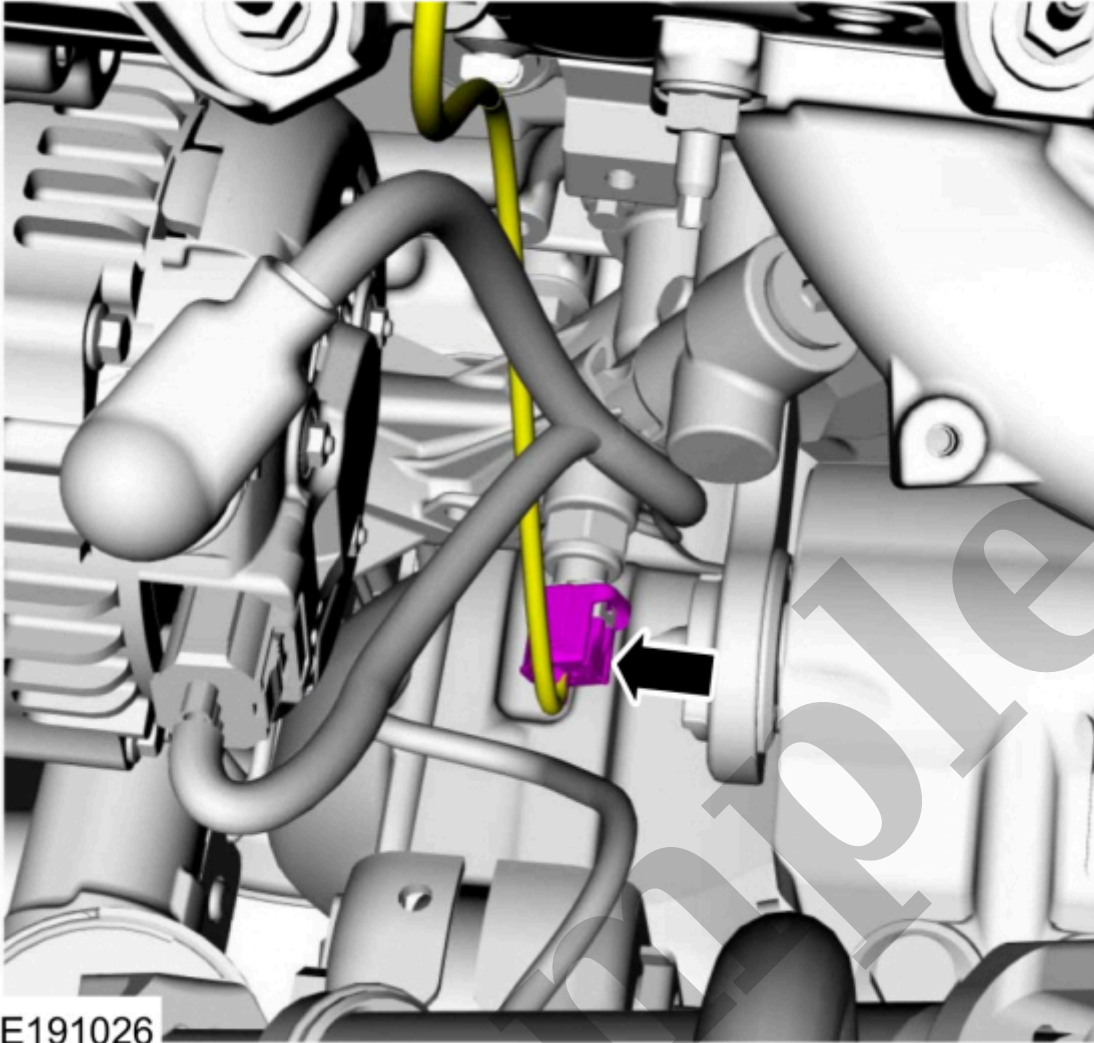


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Installation

1. To install, reverse the removal procedure.

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2. Remove the oil pressure sensor.

Torque : 133 lb.in (15 Nm)



Fuel Rail Pressure (FRP) Sensor

<i>303-14B Electronic Engine Controls - 3.3L Duratec-V6</i>	<i>2022 F-150</i>
<i>Removal and Installation</i>	<i>Procedure revision date: 05/28/2020</i>

Fuel Rail Pressure (FRP) Sensor

Removal

NOTE

Removal steps in this procedure may contain installation details.

- 1. Disconnect the battery ground cable. Refer to: Battery Disconnect and Connect
- 2. Remove the lower intake manifold.
Refer to: [Lower Intake Manifold](#)(303-01B Engine - 3.3L Duratec-V6, Removal and Installation).
- 3. Disconnect the FRP (fuel rail pressure) sensor.

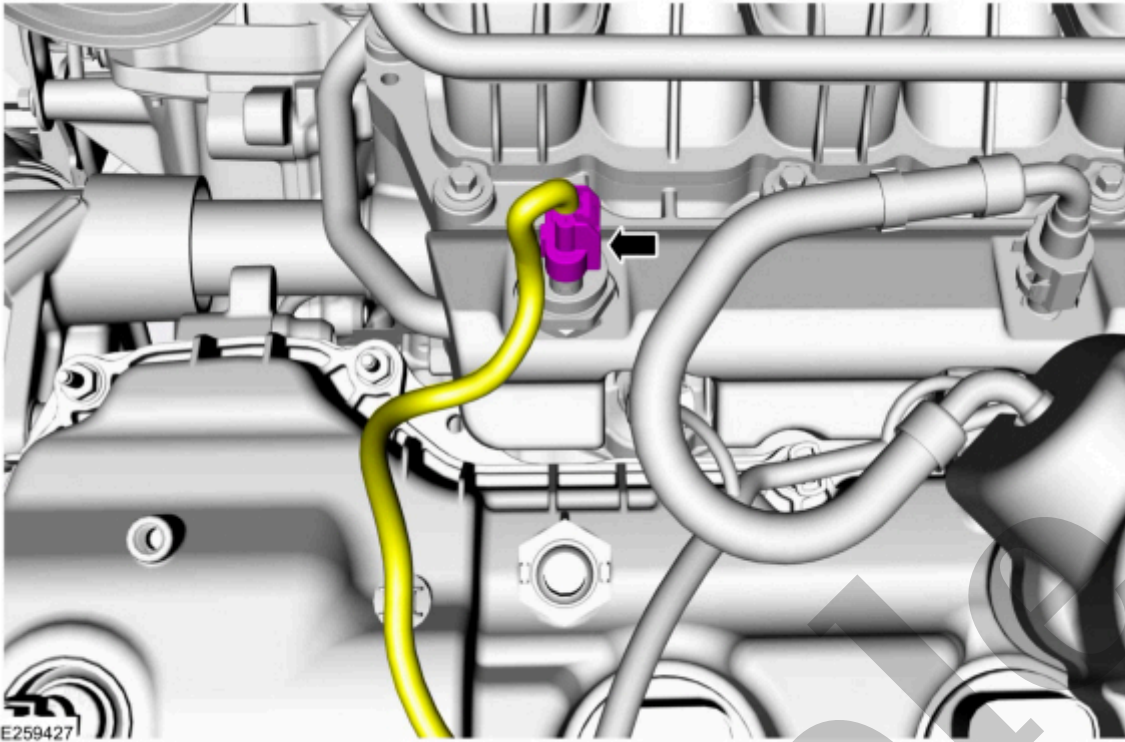
Installation

NOTE

Lubricate the threaded area of the new FRP (fuel rail pressure) sensor with clean engine oil prior to installation.

1. To install, reverse the removal procedure.

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5. Remove the FRP (fuel rail pressure) and temperature sensor.

Torque :

Stage 1: 44 lb.in (5 Nm)

Stage 2: 25°



Heated Oxygen Sensor (HO2S)

303-14B Electronic Engine Controls - 3.3L Duratec-V6	2022 F-150
Removal and Installation	Procedure revision date: 05/28/2020

Heated Oxygen Sensor (HO2S)

Removal

All sensors

NOTE

Removal steps in this procedure may contain installation details.

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.
 - If equipped, remove the bolts.
 - Release the retainer and remove the transmission housing cover.