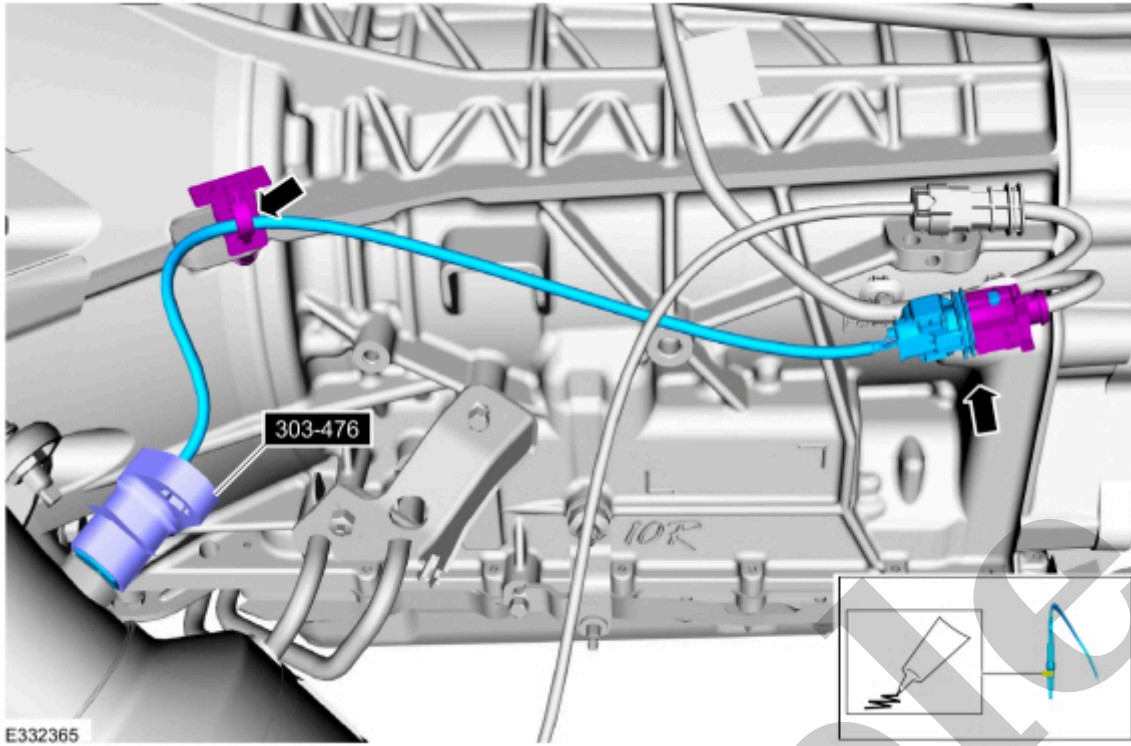


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FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2019 Ford EcoSport Service and Repair Manual

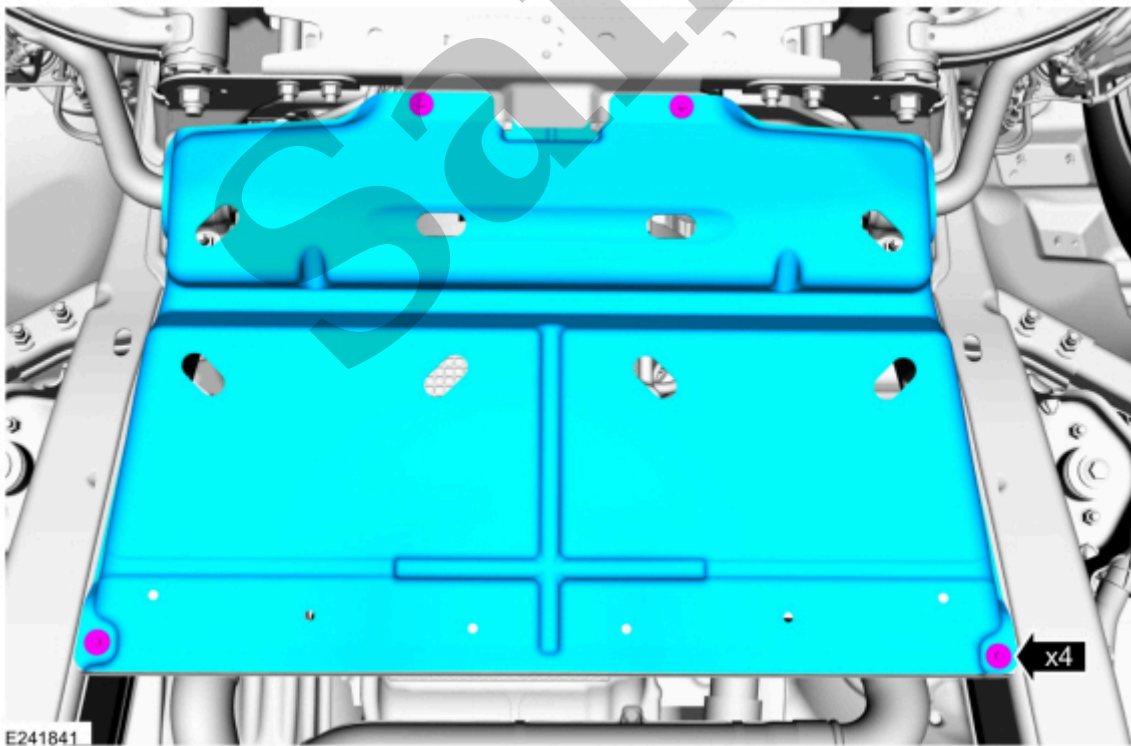
[Go to manual page](#)



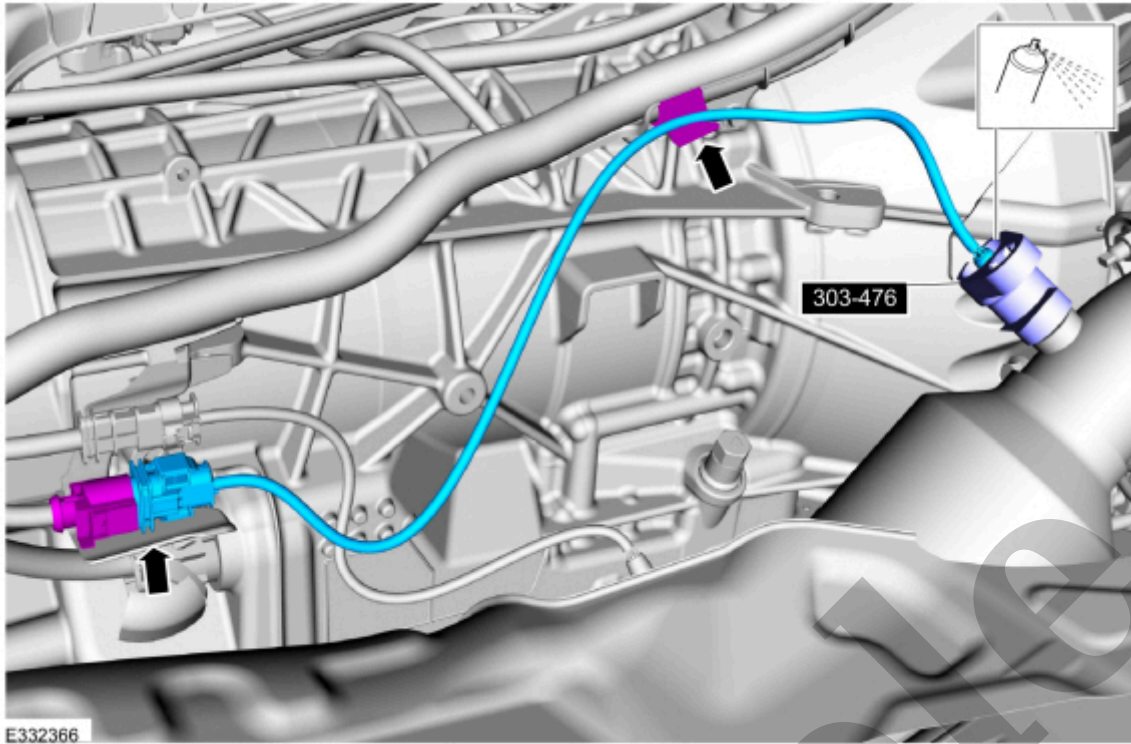
[Click here to learn about symbols, color coding, and icons used in this manual.](#)

2. If equipped, install the underbody shield.

Torque : 71 lb.in (8 Nm)



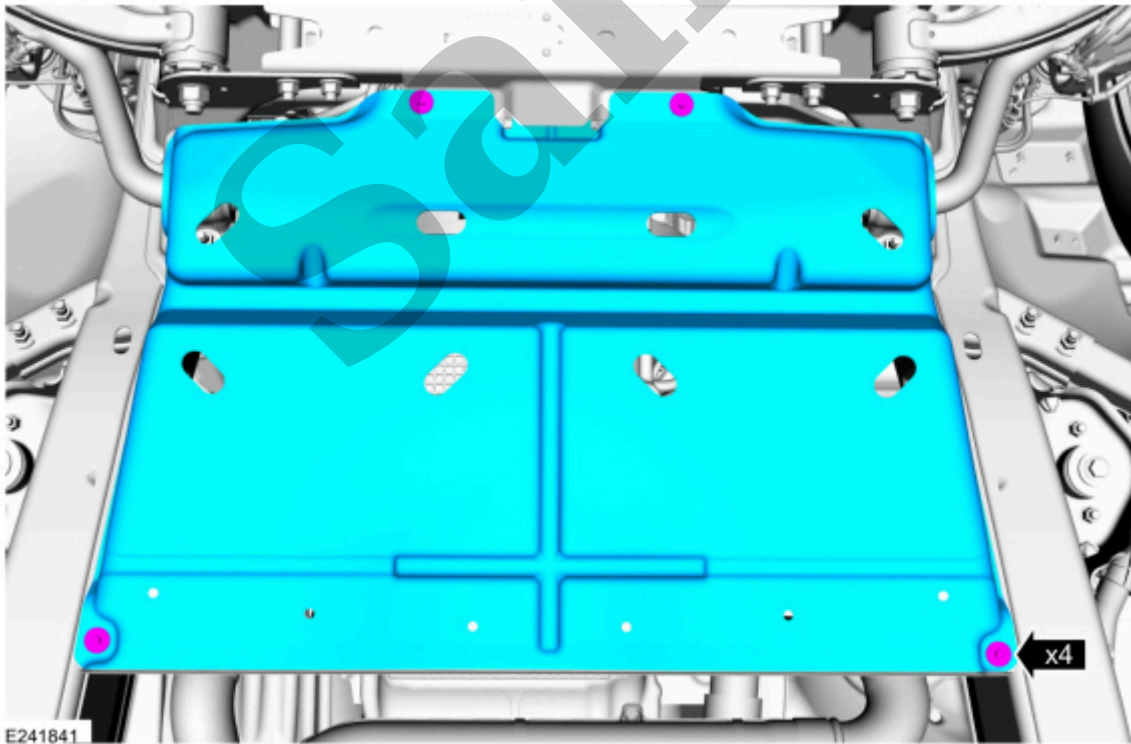
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5. If equipped, install the underbody shield.

Torque : 71 lb.in (8 Nm)



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Intake Air Temperature (IAT) Sensor

<i>303-14C Electronic Engine Controls - 3.5L EcoBoost (BM)</i>	<i>2022 F-150</i>
<i>Removal and Installation</i>	<i>Procedure revision date: 05/28/2020</i>

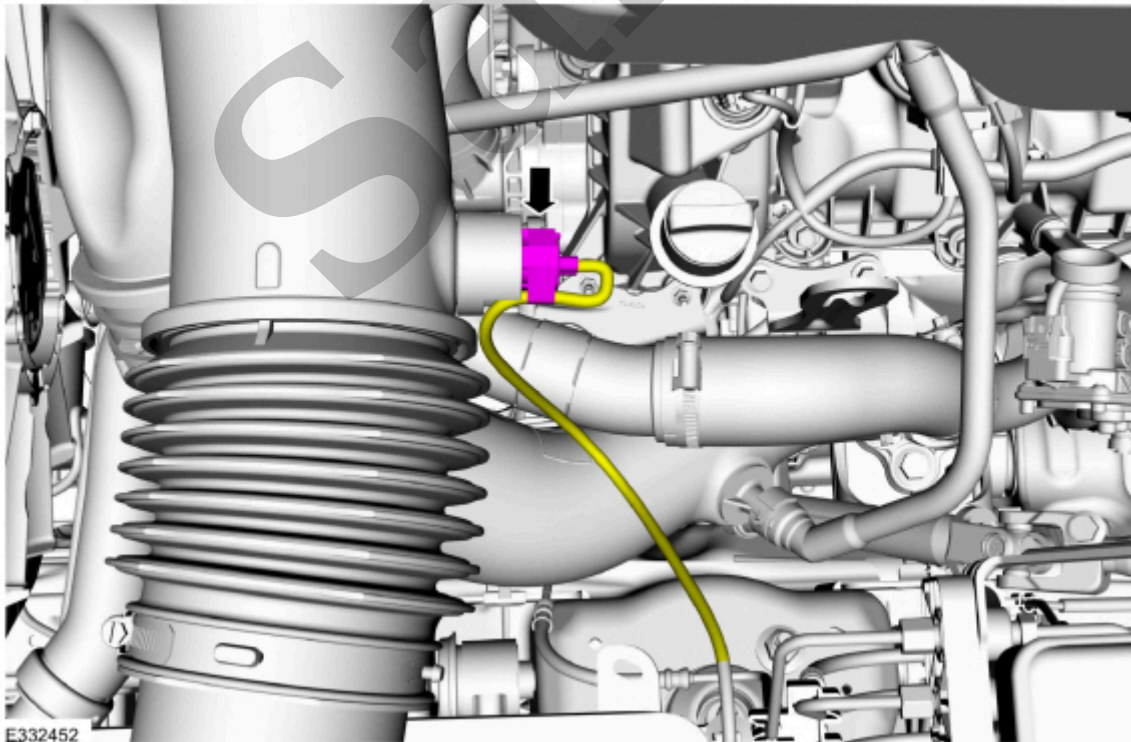
Intake Air Temperature (IAT) Sensor

Removal

NOTE

Removal steps in this procedure may contain installation details.

1. Disconnect the IAT (intake air temperature) sensor electrical connector.



E332452

Knock Sensor (KS)

303-14C Electronic Engine Controls - 3.5L EcoBoost (BM)	2022 F-150
Removal and Installation	Procedure revision date: 05/5/2022

Knock Sensor (KS)

Removal

NOTE

Removal steps in this procedure may contain installation details.

1. Remove the direct injection fuel rail LH (left-hand) and RH (right-hand) side.

Refer to: [Direct Injection Fuel Rail LH](#)(303-04C Fuel Charging and Controls - 3.5L EcoBoost (BM), Removal and Installation).

Refer to: [Direct Injection Fuel Rail RH](#)(303-04C Fuel Charging and Controls - 3.5L EcoBoost (BM), Removal and Installation).

2. Disconnect the KS (knock sensor) electrical connector.

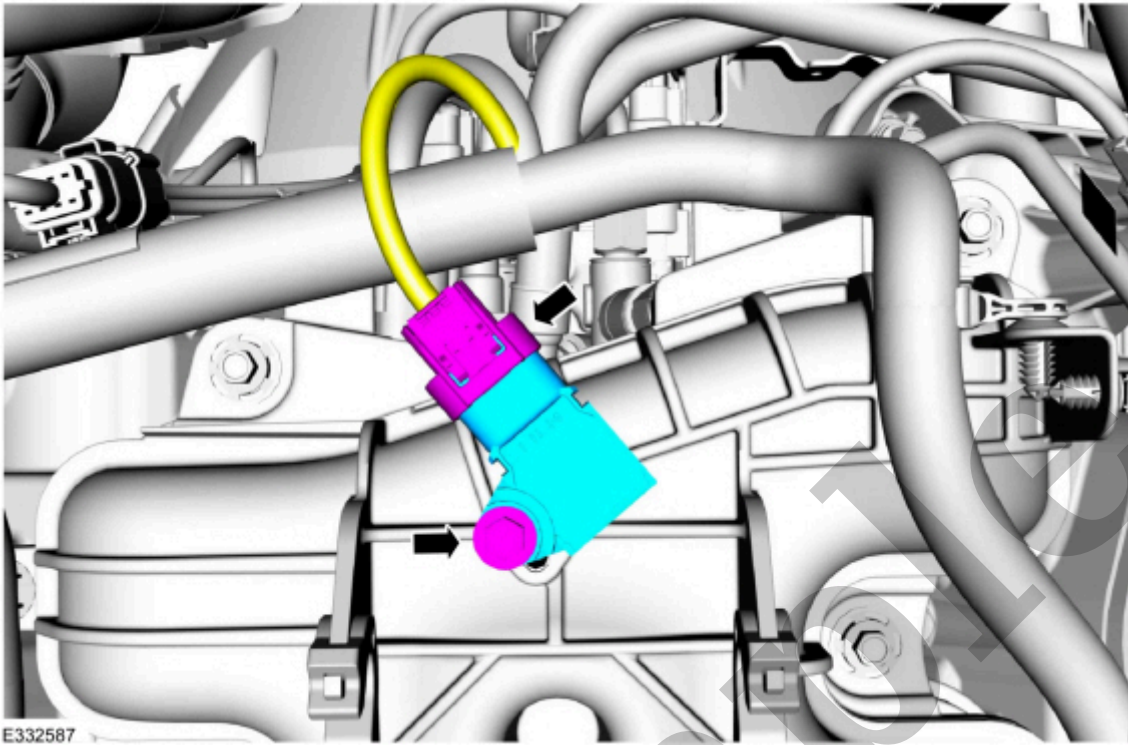
Installation

1. To install, reverse the removal procedure.

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Sample

Remove the bolt and the MAPT (manifold absolute pressure and temperature) sensor



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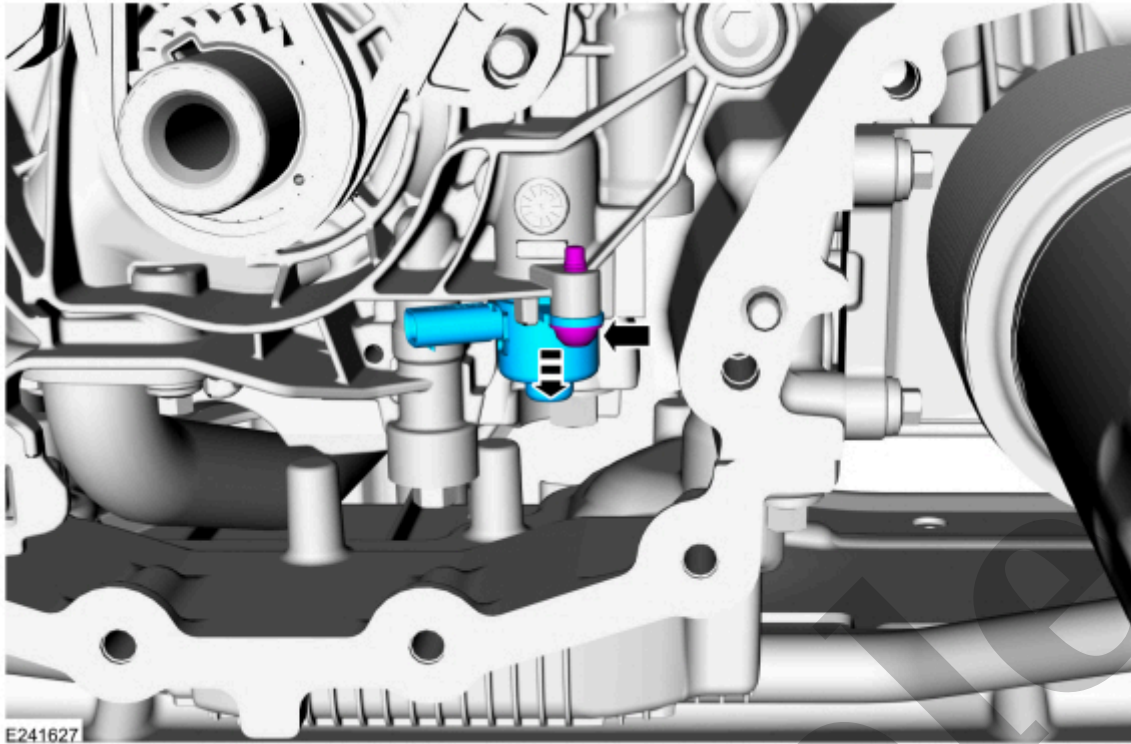
Installation

1. NOTE

Lubricate the O-ring seal with clean engine oil.

- Install the MAPT (manifold absolute pressure and temperature) sensor and the bolt.
Torque : 27 lb.in (3 Nm)
- Connect the MAPT (manifold absolute pressure and temperature) electrical connector.

Sample

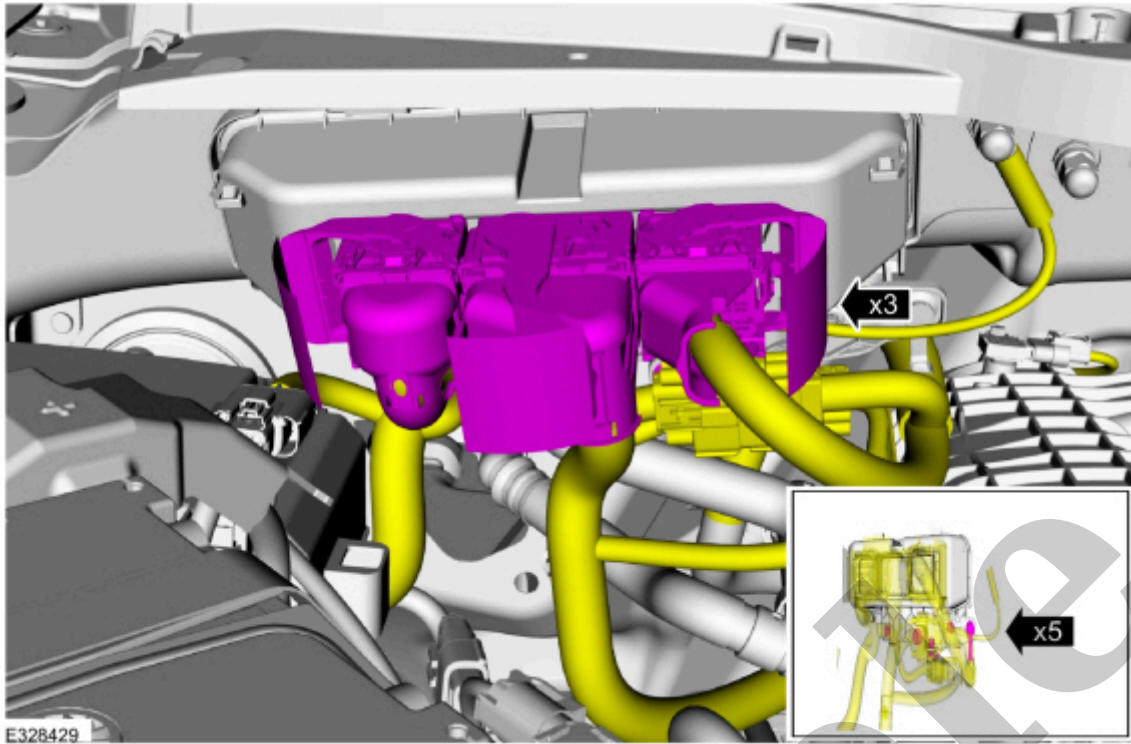


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Installation

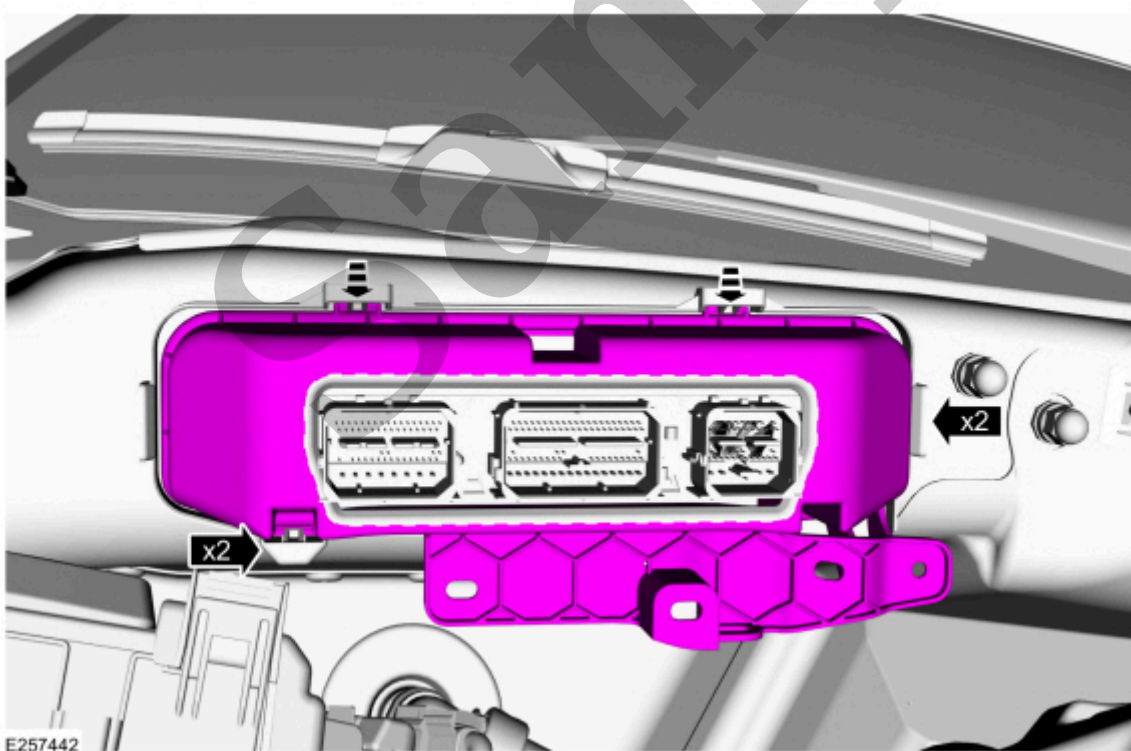
1. To install, reverse the removal procedure.

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3. Release the retaining clips and remove the PCM (powertrain control module) cover.



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4. Release the retainer clips and remove the PCM (powertrain control module) .