


303-14 Electronic Engine Controls - 2.3L EcoBoost (201kW/273PS)
Removal and Installation

2019 Ranger
Procedure revision date: 10/30/2018

Catalyst Monitor Sensor

Base Part Number: 9G444

Special Tool(s) / General Equipment

 <p>E172696</p>	<p>303-476 (T94P-9472-A) Socket, Exhaust Gas Oxygen Sensor TKIT-1994-LM/M TKIT-1994-F TKIT-1994-FLM/FM</p>
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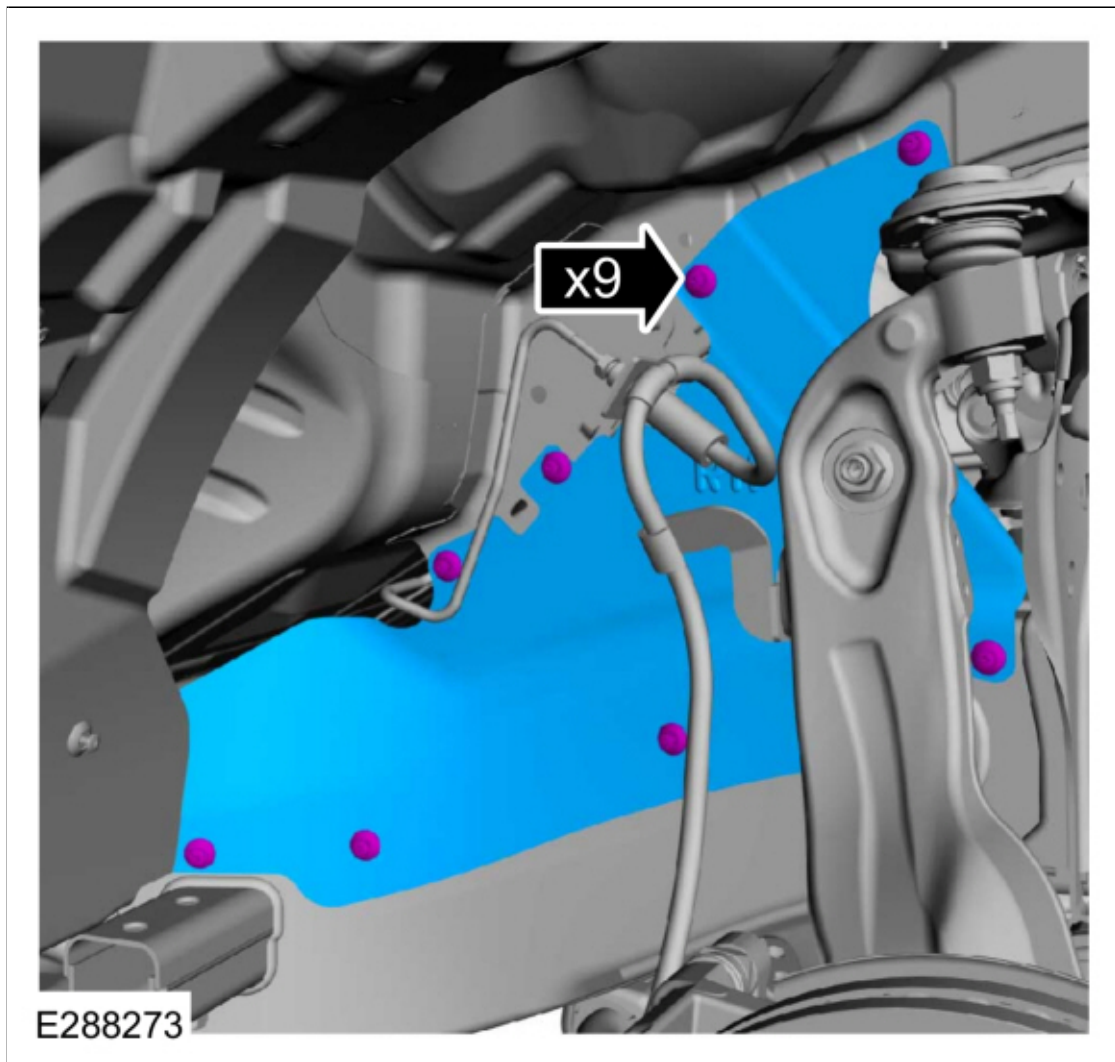
Materials

Name	Specification
Motorcraft® High Temperature Nickel Anti-Seize Lubricant XL-2	-
Motorcraft® Penetrating and Lock Lubricant XL-1	-

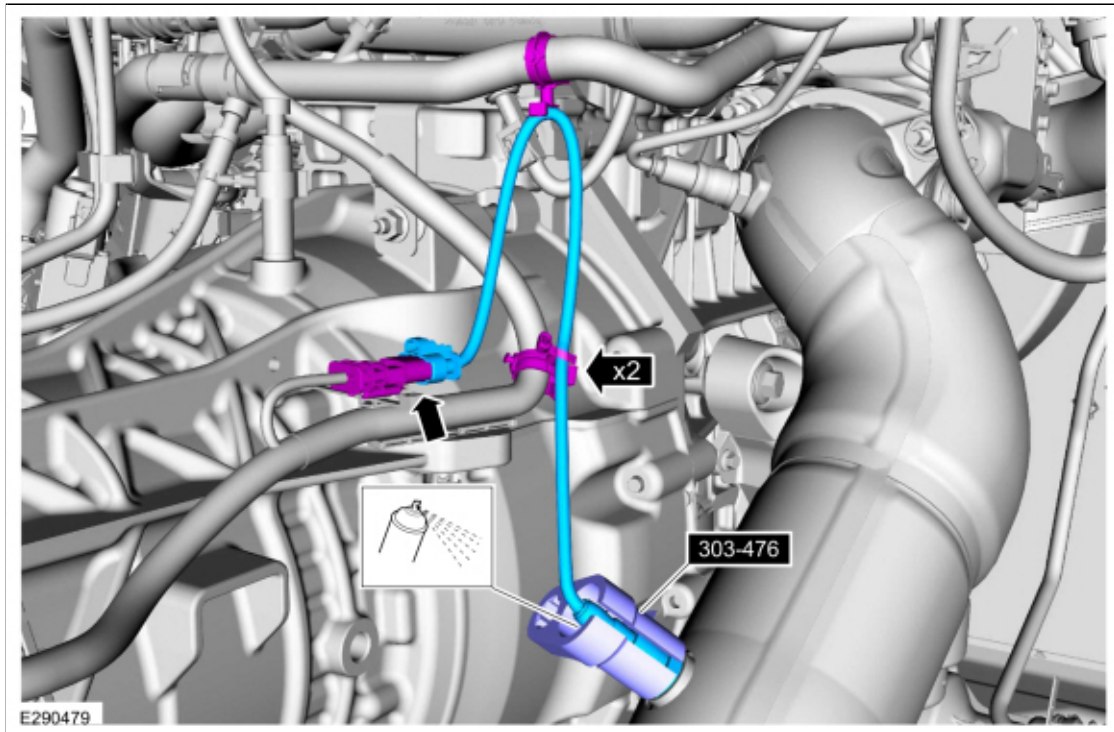
Removal

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](#) (100-02 Jacking and Lifting, Description and Operation).
2. Remove the RH front wheel and tire.
Refer to: [Wheel and Tire](#) (204-04A Wheels and Tires, Removal and Installation).
3. Remove the retainers and the RH side splash shield.



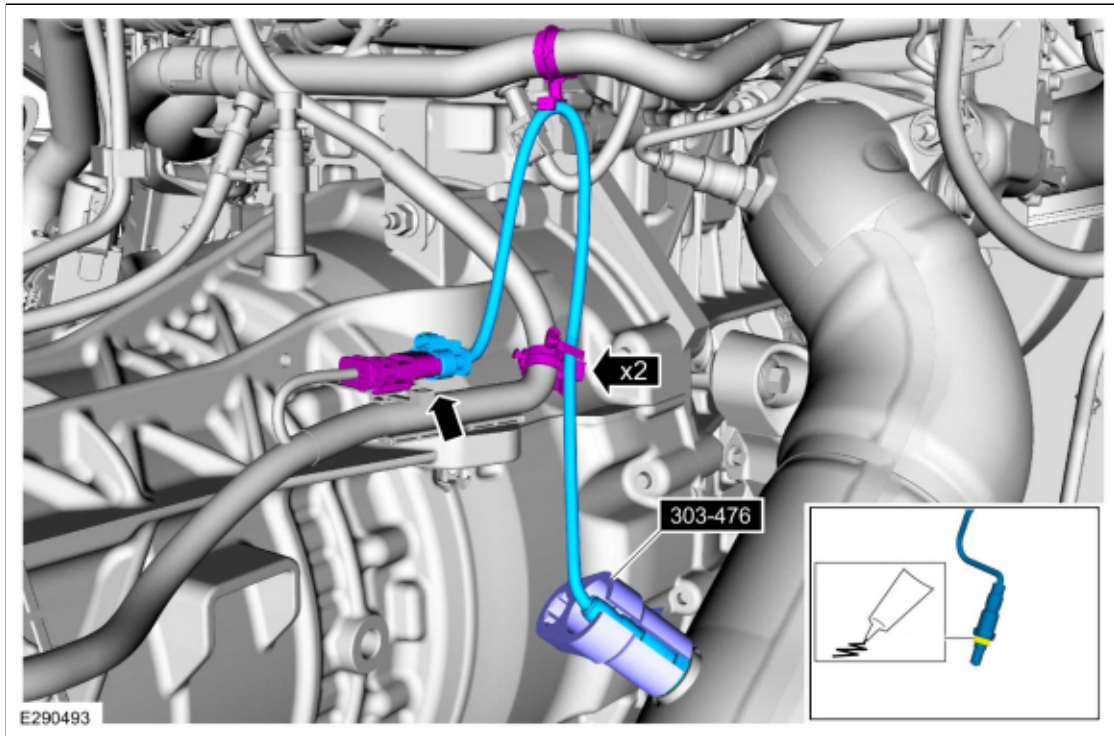
4. Disconnect the electrical connector and harness retainers. Apply penetrating oil to sensor, using the special tool remove the Catalyst monitor sensor.
 Use Suggested Tool: [303-476 \(T94P-9472-A\) Socket, Exhaust Gas Oxygen Sensor](#). Tool shown or a commercially available equivalent can be used.
Material: Motorcraft® Penetrating and Lock Lubricant / XL-1



Installation

1. To install, reverse the removal procedure.
2. Apply anti-seize to thread of sensor, using the special tool install the Catalyst monitor sensor. Connect the electrical connector and harness retainers.
 Use Special Service Tool: [303-476 \(T94P-9472-A\) Socket, Exhaust Gas Oxygen Sensor](#).
Material: Motorcraft® High Temperature Nickel Anti-Seize Lubricant / XL-2
Torque: 35 lb.ft (48 Nm)





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