2015-2020 Ford F-150 - Upstream O2 Oxygen Sensor

2015-2020 Ford F-150 | Moderate | 1-2 hours | $105 DIY

TOOLS

Oxygen Sensor Socket Socket Wrench
Torque Wrench Jack and Jack Stands
Wheel Chocks Safety Glasses Gloves
Penetrating Oil

PARTS

Upstream Oxygen Sensor TRQ OSA61817 $100.00
Anti-Seize Lubricant Permatex 80078 $5.00

STEPS

1. **Identify which O2 sensor and cool the exhaust - Confirm whether you are replacing an** upstream (pre-cat) or downstream (post-cat) sensor and match the part to that location on the 2015-2020 Ford F-150. Wear gloves and eye protection; raise and support the 2015-2020 Ford F-150 if underbod...
2. **Disconnect the sensor connector - Trace the sensor pigtail to its connector - often** clipped to the frame, valve cover, or transmission tunnel. Unplug it and free any harness clips so the lead can rotate with the sensor during removal.
3. **Remove the old sensor - Use an oxygen-sensor socket or appropriate wrench. Apply** penetrating oil if seized and allow it to soak; heat carefully only if needed and safe. Turn the sensor out - avoid damaging nearby wires, heat shields, or catalytic-converter thre...
4. **Prepare the new sensor - Compare thread pitch and connector to the old unit. Most new** sensors include anti-seize on the threads - do not get anti-seize on the tip or protection tube. Never clean or paint the sensing element.
5. **Install and torque the new sensor - Thread the new sensor by hand to avoid** cross-threading, then torque to the specification (often around 30-40 Nm - use the value for this vehicle). Route the pigtail away from hot exhaust and moving parts, and reconnect the connector...
6. **Clear codes and verify fuel trim - Lower the 2015-2020 Ford F-150 if raised. Start the** engine and confirm the heater circuit runs with no immediate exhaust leak at the bung. Clear related codes with a scan tool and road-test; monitors may need a complete drive cycle before...

TORQUE

O2 sensor 45 Nm 33 ft-lbs

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