2011-2021 Jeep Grand Cherokee | Advanced | 1-3 hours | $85 DIY

TOOLS

O2 sensor socket and ratchet Breaker bar and metric wrench set Penetrating oil and wire brush Torque wrench and scan tool Floor jack, rated jack stands, and wheel chocks if access underneath is required Safety glasses, gloves, and work light

PARTS

Correct upstream or downstream oxygen sensor; verify bank, sensor position, and engine by VIN $85.00

STEPS

1. **Confirm the sensor diagnosis - Scan, record the DTC and freeze-frame data, and identify** the exact bank and sensor position. Check the wiring, connector, exhaust leaks, fuel mixture, and other causes before replacing the sensor.
2. **Cool and secure the vehicle - Park on level ground, set the parking brake, chock the** wheels, and allow the exhaust to cool. Raise and support it on rated jack stands only if the sensor cannot be reached from above.
3. **Locate and unplug the sensor - Find the specified upstream or downstream sensor and trace** its harness to the connector. Release the connector lock, unplug it, and free the harness clips without pulling on the wires.
4. **Remove the old sensor - Brush dirt from the sensor bung, apply penetrating oil to the** threads if needed, and use the correct slotted O2 socket or wrench. Break it loose carefully; stop if the bung or exhaust component starts to deform.
5. **Prepare and install the replacement - Compare the new sensor’s connector, wire length,** and sensor position with the old part. If the threads are not pre-coated, use only the manufacturer-approved amount of anti-seize on the threads, never on the sensing tip, and start it by ha...
6. **Torque and route the harness - Tighten the oxygen sensor to the exact service-manual** torque for its engine, reconnect the connector, reinstall every harness clip, and route the wire clear of the exhaust, driveshaft, steering, and suspension.
7. **Clear codes and verify the repair - Clear the recorded codes only after the repair, start** the engine, check for exhaust leaks and warning lights, and complete a controlled drive cycle to confirm the code does not return and monitors run as expected.

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