2018-2024 Toyota Camry - Oxygen Sensor

2018-2024 Toyota Camry | Moderate | 45-60 minutes | $55 DIY

TOOLS

22mm oxygen-sensor socket 3/8" ratchet 6" extension Wobble joint Small flathead screwdriver OBD-II scanner Penetrating oil Nitrile gloves Safety glasses Headlamp or flashlight Floor jack and jack stands (downstream sensor)

PARTS

Oxygen sensor (upstream or downstream) $55.00

STEPS

1. **Scan and pick the right sensor - Read the code first. If you have the 3.5L V6 (2GR-FKS),** there are four - one pair per bank - so confirm bank and position from the code before buying. The two 2.5L sensors are different technologies and never interchange.
2. **Buy the sensor by engine and position - Stage a 22mm oxygen-sensor socket, a ratchet with** a 6" extension, penetrating oil, an OBD-II scanner, and a small flathead for the connector lock. A headlamp helps because the upstream sensor sits in shadow at the back of the engine.
3. **Find the sensor on the firewall side - The A25A's exhaust manifold exits at the rear of** the engine, against the firewall. The upstream A/F sensor threads into the manifold/downpipe just ahead of the catalytic converter and is reached from the engine bay - remove the plastic e...
4. **Release the Toyota slide-lock connector - Toyota connectors use a small slide lock over a** press tab. Slide the lock back, press the tab, and pull the halves straight apart - the lock is easy to miss and the plug will not separate with the lock engaged.
5. **Oil it, warm it lightly, and break it loose - Spray penetrating oil around the sensor** boss and let it soak 10-15 minutes. Start the engine for 2-3 minutes so the manifold is warm, not hot - the firewall-side manifold on the A25A concentrates heat, and a hot bung will gall the th...
6. **Install the new sensor by hand first - Hand-thread the new sensor several turns before** touching the ratchet - the firewall-side angle is blind and cross-threading the manifold bung is the classic expensive mistake on this job. If the replacement's threads arrived pre-coated w...
7. **Reconnect, clear, and run a drive cycle - Reconnect the plug until the slide lock clicks** home and re-clip the harness exactly along its original path, clear of the exhaust. Recheck for pending codes after 15-20 minutes, and do not schedule an emissions test until the monitors re...

TORQUE

O2 sensor 45 Nm 33 ft-lbs

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