

2005-2015 Toyota Tacoma | Moderate | 1.5-3 hours

TOOLS

5/8 inch spark plug socket 3/8 inch ratchet
3 inch and 6 inch 3/8 inch extensions 10mm
socket (3/8 and 1/4 inch drive) 12mm socket
3/8 inch torque wrench Spark plug gap gauge
Flathead screwdriver Long needle nose pliers
Compressed air or shop vacuum Anti-seize
(optional) Dielectric grease (optional)

PARTS

Denso K20HR-U11 Spark Plugs (set of 6, 4.0L V6)
K20HR-U11 \$45.00
NGK ILFR6T11 Iridium Spark Plugs (set of 4,
2.7L 4-cyl) ILFR6T11 \$32.00

STEPS

- 1 Cool down and disconnect the battery - Let the engine cool completely, plugs come out of an aluminum head and a hot head strips threads.** Disconnect the negative battery cable with a 10mm wrench.
- 2 Remove the engine cover - On the 4.0L V6, remove the engine cover to expose the six coil packs, three per side.** The 2.7L 4-cylinder has four coil packs on top of the valve cover.
- 3 Passenger side: remove coil packs - Squeeze each coil pack electrical connector tab and pull the connector off.** Remove the 10mm coil pack bolt and pull the coil pack straight up out of the well. Set coils aside in order.
- 4 Driver side: clear intake obstructions - The driver-side bank is tighter. Loosen the air intake hose clamp and unbolt the intake stiffener bracket (12mm) so you can reach the front coil pack.** Carefully work each coil connector off, the fron...
- 5 Blow debris out of the plug wells - Before removing plugs, blow compressed air or use a shop vacuum around each plug well.** Grit falling into an open cylinder scores the bore.
- 6 Remove the old spark plugs - Use a 5/8 inch spark plug socket with 3 and 6 inch extensions and a 3/8 inch ratchet to remove each plug.** Note plug condition, oily threads on the rear driver-side plug are a known Tacoma quirk and w...
- 7 Gap the new plugs - Gap new plugs to 0.039-0.043 inch (1.0-1.1 mm) for the 4.0L V6, or 0.044 inch for the 2.7L 4-cylinder iridium plugs.** Pre-gapped plugs still get checked with a feeler gauge.
- 8 Install the new plugs - Hand-thread each plug in at least three full turns before touching a wrench to avoid cross-threading.** If you use anti-seize, reduce torque by about one third per Denso guidance. Torque to 15 ft-lbs (...)
- 9 Reinstall coil packs and intake parts - Push coil packs back into the wells, torque coil bolts to 7.4 ft-lbs (10 Nm), and reconnect every electrical connector until it clicks.** Refit the intake stiffener bracket, air intake hose, and engine...
- 10 Reconnect battery and test - Reconnect the negative battery cable, start the engine, and listen for a smooth idle.** Take a short test drive and confirm no check engine light or misfire. Recheck that every connector seated fully.

TORQUE

Spark plugs (4.0L V6) 20 Nm 15 ft-lbs
Ignition coil pack bolts 10 Nm 7.4 ft-lbs