# 2009-2013 Toyota Corolla - Spark Plug Replacement



2009-2013 Toyota Corolla | Advanced | 60-90 minutes | $48 DIY

**TOOLS**

3/8-inch ratchet  Spark-plug socket (usually 5/8-inch or 14 mm; confirm engine)  6-inch extension and small torque wrench  Compressed air or soft brush  10 mm socket for coil fasteners (if equipped)

**PARTS**

Iridium spark plugs for Toyota Corolla (verify engine and heat range) $48.00
Spark plug boot grease (small tube, optional) $8.00

## STEPS

1. **Confirm engine and plug fitment - The OE plug is Denso SC20HR11, an iridium plug gapped** at 1.1mm (0.043 in) - buy 4. It uses an M12 thread with a 14mm hex and arrives pre-gapped; do not re-gap iridium tips.
2. **Cool and expose the plugs - Let the 1.8L cool fully and disconnect the negative battery** cable. Lift off the plastic engine cover to expose the four coil packs standing on the plugs. On the Corolla nothing else blocks the coils - this is a straightforward top-of-eng...
3. **Remove coils and clean wells - Unplug each coil connector, remove the hold-down bolt, and** pull the coil straight up. Blow or brush every plug well clean before loosening a plug - the 2ZR-FE's deep wells collect grit that must not fall in. Keep each coil matched to its...
4. **Remove and install plugs - Remove the old plugs with a 14mm spark-plug socket and compare** reach (26.5mm) and wear. Start each new Denso by hand so the M12 threads engage cleanly, then torque to 17 Nm per Denso's published data for this plug. No anti-seize on the c...
5. **Reconnect and verify - Reinstall the coils, bolts, and connectors, refit the cover and** battery cable. Start the Corolla and scan for returning misfires. The 2ZR-FE should idle nearly silently and accelerate smoothly; any roughness points to a coil connector that...

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**TORQUE**

Spark plug (verify engine-specific specification) 24 Nm 18 ft-lbs