2014-2019 Toyota Corolla - Ignition Coils

2014-2019 Toyota Corolla | Moderate | 1-2 hours | $75 DIY

TOOLS

Metric socket set, ratchet, and extensions
Torque wrench and small trim tool or pick
Compressed air or a clean brush for plug wells
Dielectric grease and flashlight
Scan tool or code reader
Safety glasses and gloves

PARTS

Replacement ignition coil; verify engine, cylinder, and connector by VIN $75.00

STEPS

1. **Confirm the misfire diagnosis - Scan for DTCs and identify the cylinder. Inspect the** spark plug, coil boot, connector, harness, injector, intake leaks, and compression before condemning the coil; swap-test only when safe and appropriate.
2. **Cool the engine and prepare safely - Park on level ground, set the parking brake, switch** the ignition off, let the engine cool, and disconnect the negative battery cable if required by the service procedure. Keep clear of EV/high-voltage parts.
3. **Remove covers and gain access - Remove the engine cover, intake duct, or other access** pieces needed to reach the ignition coils. On V6 engines, follow the engine-specific procedure for any upper intake manifold or rear-bank access.
4. **Disconnect the coil - Photograph the coil layout. Press the connector lock and unplug the** suspect coil without pulling on the wires. Blow debris away from the coil and bolt before removal.
5. **Remove the old coil - Remove the coil retaining bolt with the correct socket, then twist** and lift the coil straight out. Inspect the boot, plug well, connector, and nearby wiring for oil, moisture, cracking, or carbon tracking.
6. **Install and torque the replacement - Compare the new coil with the removed part, apply** only a small amount of dielectric grease inside the boot if specified, seat it fully over the spark plug, start the bolt by hand, and tighten to the exact engine-specific torque.
7. **Reconnect and verify operation - Reconnect the coil connector until it locks, reinstall** all covers and intake parts, reconnect the battery if disconnected, clear codes only after recording them, start the engine, and road-test while checking for repeat misfire codes.

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