

2012-2014 Toyota Camry | Easy | 30-45 minutes

TOOLS

10mm socket Ratchet 16mm (5/8 in) spark plug socket Socket extensions Torque wrench Compressed air or shop vacuum Dielectric (silicone) grease Gloves Safety glasses

PARTS

DENSO Iridium Long Life Spark Plug (2.5L 2AR-FE, qty 4) SK16HR11 \$24.00
Iridium Spark Plug (3.5L V6 2GR-FE, qty 6 - confirm exact part number for your trim)
Dielectric (silicone) grease - light coat inside coil boots \$12.00

STEPS

- 1 Work on a cold engine and open the hood - Spark plugs are threaded into an aluminum head,** so always start with a fully cold engine to avoid stripping threads and getting burned. Park on level ground, set the parking brake, and prop the hood open.
- 2 Remove the engine cover - Grab the plastic 2AR-FE engine cover and pull it straight up.** It is held by rubber grommets, no bolts. Set it aside.
- 3 Disconnect the ignition coil connectors - There is one coil-on-plug ignition coil per cylinder.** Press the small release clip on each electrical connector and pull it free. Do all four before touching bolts.
- 4 Remove the coil bolts and pull the coils - Using a 10mm socket, remove the single** retaining bolt from each coil, then twist gently and pull each coil straight out of its well. If a coil boot is stuck, twist more rather than yanking.
- 5 Blow out the spark plug wells - Use compressed air or a shop vacuum to clear dirt and** grit from around each spark plug before removal. Debris falling into an open cylinder is the classic cause of a ruined job.
- 6 Remove the old spark plugs - With a 16mm (5/8 inch) spark plug socket and an extension,** break each plug loose and unscrew it by hand once free. Note the condition of the old plugs: oil-fouled plugs on the 2.5L 2AR-FE can point to the oil-consumption issue these engine...
- 7 Install the new plugs and torque them - New iridium plugs come pre-gapped at 0.044 in** (1.1 mm). Do not re-gap them. Thread each plug in BY HAND until it seats, then tighten with a torque wrench to 13 ft-lb. Hand-starting is what prevents cross-threading the aluminum head.
- 8 Reinstall the coils and bolts - Push each coil back onto its plug until it seats,** reinstall the 10mm retaining bolts and snug to 5 ft-lb, then reconnect each electrical connector until the clip clicks. Work one cylinder at a time if you want to guarantee nothing gets mix...
- 9 Replace the engine cover and test - Press the engine cover back onto its grommets. Start** the engine and let it idle for a couple of minutes. It should idle smooth and quiet with no check engine light. If a misfire code like P0300 appears, recheck that every coil connector is...

TORQUE