2017-2022 Toyota Prius Prime - Spark Plug

2017-2022 Toyota Prius Prime | Advanced | 1-3 hours | $115 DIY

TOOLS

Metric/SAE socket set with extensions and swivel Spark-plug socket with rubber insert or magnet Torque wrench covering the plug range Compressed air or a soft brush, dielectric grease, gloves, and eye protection 14mm thin-wall spark-plug socket with rubber insert or magnet 10mm socket

PARTS

Correct spark plug set for the gasoline/ICE engine in 2017-2022 Toyota Prius Prime; verify engine, heat range, gap, and VIN fitment Denso FC16HR-C9 $115.00
Coil-boot seals or ignition coils only if inspection finds damage $35.00

STEPS

1. **Confirm engine and plug fitment - Confirm the 1.8L 2ZR-FXE engine: the correct plug is** the Denso FC16HR-C9 iridium, gapped at 0.9 mm (0.035") - do not substitute the older SC20HR11. Buy four and scan for misfire codes. Confirm the car is fully OFF; never touch orange hig...
2. **Cool and expose the plugs - Let the 2ZR-FXE cool completely - the aluminum head strips** easily when hot. Keep the car OFF (READY light out); no metal jewelry near the inverter. Disconnect the 12V negative only if the procedure calls for it.
3. **Remove coils and clean wells - Disconnect each coil connector - pull the body, never the** wiring - remove the 10 mm bolt, and lift each coil straight up in cylinder order. Inspect boots for cracks or white tracking, and wells for oil - oil means a leaking valve-cov...
4. **Remove and install plugs - Remove each old plug with a 14 mm thin-wall spark-plug socket** - these are slim long-reach plugs, so a standard 5/8" socket may not fit - and compare its deposits to the new Denso FC16HR-C9. Start every new plug by hand, turning it back...
5. **Reconnect and verify - Seat each coil fully onto its plug, reinstall its 10 mm bolt, and** reconnect every coil connector. Refit the engine cover, water shields, cowl louver, and wiper arms exactly as removed - a misaligned cowl leaks water onto the coils. Start...

TORQUE

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