2010-2024 Audi S4 - Spark Plug Replacement

2010-2024 Audi S4 | Advanced | 2-3 hours (B8), 1-2 hours (B9) | $115 DIY

TOOLS

Slim 14mm 12-point spark plug socket 3/8-inch ratchet with 6-inch extension T30 Torx bit (B9 coil screws; B8 harness screws) Flat-blade screwdriver or pick for connector locks Feeler gauge set for checking plug gap Compressed air or shop vacuum Coil-puller tool (optional, for stuck coils)

PARTS

Correct spark plug set for the gasoline/ICE engine in 2010-2024 Audi S4; verify engine, heat range, gap, and VIN fitment $115.00 Coil-boot seals or ignition coils only if inspection finds damage $35.00

STEPS

1. **Identify your generation and let the engine cool - B8/B8.5 (2010-2016): 3.0L supercharged** V6. B9 (2017-2024): 3.0L single-turbo V6 (EA839). Six plugs either way - the 2.9L twin-turbo is an RS4/RS5 engine. Work on a completely cold engine with the parking brake set.
2. **Clear access on the B8 supercharged engine - Remove the engine cover and** airbox-to-throttle tube - loosen its clamps and move it aside. The supercharger stays put. Unbolt the Torx screws on each bank's coil harness and slide the harness off. Disconnect the negative battery terminal.
3. **Clear access on the B9 turbo engine - Remove the engine cover. Move the passenger-side** inlet hose aside and swing the PCV hose clear for the driver-side coils. Each B9 coil is held by a T30 Torx screw. The turbo stays put. Disconnect the negative battery terminal.
4. **Unplug and remove the six ignition coils - Slide back the red tab and push each connector** off. Remove the retaining screws - Torx on B8, T30 per coil on B9. Pull each coil up, twisting stuck ones; never lever against the valve cover. Keep them in order.
5. **Remove the old plugs and install the new ones - Blow debris out of each plug well before** loosening anything. Use a slim 14mm 12-point spark plug socket on an extension - a standard thick-wall socket can jam in these wells. Remove the six old plugs counterclockwise and keep them in ord...
6. **Reinstall the coils and intake plumbing - Press each coil onto its plug, snug the screws,** and reconnect each wiring plug - slide the red lock back and tug to confirm. Refit intake plumbing, tightening the clamps; an air leak causes rough idle. Reconnect the battery and refit the...
7. **Start up and verify under load - Start the engine: smooth idle, no warning lights.** Test-drive with firm acceleration - boost exposes a weak coil or loose connector. Flashing check-engine light means an active misfire: stop and recheck the connectors. Note the mileage; t...

TORQUE

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