2017-2024 Volvo V90 - Spark Plug Replacement

2017-2024 Volvo V90 | Advanced | 1-2 hours | $115 DIY

TOOLS

14mm thin-wall spark plug socket 3/8-inch ratchet with 6-inch extension Small socket or Torx bit for the coil retaining bolts Feeler gauge set for checking plug gap Compressed air or shop vacuum Dielectric grease (thin film for coil boots, optional)

PARTS

Correct spark plug set for the gasoline/ICE engine in 2017-2024 Volvo V90; 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 engine variant and let it cool - All 2017-2024 V90s use a 2.0L Drive-E** four: T5 (turbo), T6 (turbo + supercharged), T8 plug-in hybrid (2017-2021), B5/B6 mild hybrids (2022+). On T8 cars, stay clear of the thick orange high-voltage cables - this job only touches the...
2. **Remove the engine cover - The engine cover pulls straight up off its rubber friction** mounts - grasp the corners and lift. Note where each mount sits so the cover presses back evenly. Underneath are the four ignition coils on the valve cover.
3. **Unplug and remove the four ignition coils - Each coil is held by a single small bolt and** an electrical connector with a sliding lock. Slide the lock back, press the release tab, and unplug the connector from each coil, then remove the bolt and pull the coil straight up out of its we...
4. **Remove the old spark plugs - Blow debris out of plug wells with compressed air. Use a** 14mm thin-wall socket on an extension - VEA plugs sit deep in the head. Loosen counterclockwise; if one resists, work it back and forth. Keep old plugs in order to compare cylinder...
5. **Check the gap and install the new plugs - Buy four plugs specified for your exact engine** badge (T5, T6, T8, B5, or B6) and check the gap value in the owner's manual or on the emissions sticker under the hood - never guess it. Verify each plug with a feeler gauge and adjust only...
6. **Reinstall the coils and the engine cover - Slide each coil back into its well, making** sure it seats fully onto the plug, and reinstall the retaining bolts snugly - they only need to hold the coil in place, not be cranked down. Reconnect the electrical connectors until each slidin...
7. **Start up and verify smooth running - Start the engine. Idle and confirm smooth running** with no warning lights, drive with steady acceleration - a forgotten coil connector sets a misfire code fast. Log the mileage; iridium plugs are long-life parts.

TORQUE

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