2017-2022 Genesis G90 - Spark Plug Replacement

2017-2022 Genesis G90 | Advanced | 1 to 2 hours | $115 DIY

TOOLS

5/8-inch (16mm) spark plug socket - non-locking 3/8-inch ratchet 3-inch and 6-inch 3/8-inch extensions 10mm socket Telescoping magnetic pickup tool Feeler gauge Compressed air or blower nozzle Dielectric grease

PARTS

Correct spark plug set for the gasoline/ICE engine in 2017-2022 Genesis G90; 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. **Let the twin-turbo V6 or Tau V8 cool, then lift the engine cover - Start fully cold.** Identify it: 3.3L twin-turbo GDI V6 (six plugs) or 5.0L Tau GDI V8 (eight). The cover pulls straight up off rubber grommets - no bolts. On the 3.3T, turbo plumbing crowds the valley; scout the hardest coils first.
2. **Disconnect the battery - Loosen the negative battery cable clamp with a 10mm wrench, lift** the cable off the post, and tuck it aside so it cannot spring back onto the terminal. You will lose radio presets and the clock, and the transmission may shift differently du...
3. **Unplug the coil connectors on the easy bank first - Start with the 3.3T's driver-side** bank: press each locking tab, rock the connector off, remove the 10mm hold-down bolt. One coil at a time; keep connectors matched. On the 5.0, loosen the harness bracket - wiring runs over neighboring co...
4. **Twist the coils out of their wells and inspect the boots - Twist each coil gently,** pulling straight up - heat glues boots to plugs. Check boots for cracks or white tracking; a damaged boot misfires like a bad plug. Don't pry against the valve cover. Lay coils in firing order.
5. **Blow out the wells, then crack the old plugs loose - Blow compressed air down each well -** grit scores the bore. Crack each plug with a 5/8-inch socket on a long extension; spin out. On the 5.0 the back four take patience - vary extension lengths, don't force angles. Keep old plugs in ord...
6. **Beat the middle passenger plug with a build-it-in-the-well trick - 3.3T headache: the** middle passenger plug admits no straight extension. Build the stack inside the well - socket on the plug first, then click extensions together from above. Skip locking extensions; fish the plug out with a telescoping m...
7. **Verify the gap, hand-start each plug, and seat it - Gap every plug per the manual or** sticker - not the box. Thread in by hand until the washer seats; if it resists early, back out and restart. Snug a quarter to a half turn past washer contact. No compound on pre-coated threads unless spec...
8. **Reinstall the coils and cover, then road-test under load - Seat each coil firmly;** reinstall the 10mm bolts, reconnect each connector until it clicks. Cover back on, start; listen for smooth idle. Road-test with boost on the 3.3T - a weak coil stumbles under load. Flashing CEL: shut down, recheck...

TORQUE

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