2021-2024 Genesis GV80 - Spark Plug Replacement

2021-2024 Genesis GV80 | Advanced | 1 to 2.5 hours | $115 DIY

TOOLS

14mm thin-wall spark plug socket (3.5T)
5/8-inch spark plug socket (2.5T)
3/8-inch ratchet 3-inch and 6-inch
3/8-inch extensions 3/8-inch universal joint 10mm socket Magnetic parts tray
Feeler gauge Compressed air or blower nozzle Step stool

PARTS

Correct spark plug set for the gasoline/ICE engine in 2021-2024 Genesis GV80; 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 the 2.5T four or 3.5T V6 and strip the cover - Park, let the engine cool, and** confirm your engine: the 2.5T turbo four runs four plugs in a row, the 3.5T twin-turbo V6 six down each bank. Lift the engine cover off its mounts to expose the coil packs, one per cylinder.
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 GV80's coils one bank at a time - Press each coil connector's locking tab and** rock it off - one coil at a time. Drop each 10mm hold-down bolt into a magnetic tray. Wiggle stiff connectors free; on the 3.5T, note the turbo plumbing near the rear coils.
4. **Lift the coils out and inspect the boots - Pull each coil straight up with a gentle twist** - the boots bond to the plugs, and twisting breaks the seal without tearing rubber. Inspect each boot for cracks, swelling, or white tracking marks; keep coils in order. Never pry against th...
5. **Clear the GV80's tall-bay plug wells and look for oil - Blow compressed air down every** plug well - debris drops into the cylinder otherwise. Check for oil: pooling around a plug means the valve-cover gasket is seeping, a separate job. Never blow air into a well after its plug is out.
6. **Remove the plugs - 14mm thin-wall on the 3.5T - On the 3.5T, use a 14mm thin-wall socket.** Feed it down on a long extension, crack each plug loose, and spin it out by hand. The rearmost plugs are tightest: use a universal joint and short, patient turns. Keep old plugs in order.
7. **Gap-check by the book and hand-start every plug - Gap-check plugs with a feeler gauge** against the owner's manual or emissions sticker. Thread each plug by hand until the washer seats; early binding means cross-threading. Snug a quarter to a half turn past washer contact, and follow the pl...
8. **Reinstall the coils and verify under load - Press each coil home, reinstall the hold-down** bolts, and click all connectors. Refit the cover, reconnect the battery, and start it. Drive with firm accelerations - the 3.5T hides weak coils until boost. A flashing check-engine light mea...

TORQUE

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