2013-2020 Lexus GS - Spark Plug Replacement

2013-2020 Lexus GS | Advanced | 2-4 hours | $115 DIY

TOOLS

Thin-wall 14mm spark plug socket Ratchet with 6-inch and 10-inch extensions 10mm socket Compressed air or shop vacuum Wire-style gap gauge Dielectric grease Intake plenum gaskets (V6 rear-bank access)

PARTS

Correct spark plug set for the gasoline/ICE engine in 2013-2020 Lexus GS350; 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. **Prep - identify your GS engine first - GS 350's 3.5-liter 2GR-FSE V6 is the hardest: six** plugs, rear three buried under the plenum. The 2.0T 8AR-FTS four and 2.5L 2AR-FSE / 3.5L 2GR-FXE hybrids have plugs under the cover. Check the badge and underhood label first.
2. **Access - V-bank cover off; V6 rear bank needs the intake plenum - Pull the V-bank engine** cover off. On the 2.0T and 2.5 hybrid, four coils are exposed. On the 3.5L V6s, rear bank hides under the intake plenum: remove the intake ducting, throttle body, vacuum hoses, and plenum, tracking every hose.
3. **Coil pack removal - press-tab connectors, 10mm bolts - Each coil is held by one 10mm** bolt. Disconnect every connector first (press the locking tab, slide off), then unbolt and pull each coil straight up. On the V6, rear-bank connector plastic gets brittle with heat and age.
4. **Plug removal - blow out wells, then unthread - Blow out each well. The 2GR-FSE uses 14mm** plugs - use a thin-wall 14mm socket and extension. Break each plug loose, then spin it out. D4-S plugs have three side straps; a carbon-fouled plug means that cylinder runs rich.
5. **Install new plugs - OEM-style multi-electrode, gap per manual - Use the OEM-style** multi-ground-electrode plug - not a generic single-electrode substitute. Never invent a gap: check against the underhood sticker with a wire gauge. Thread every plug in by hand until seated, then apply only the maker's...
6. **Reassembly - coils, plenum, hoses, and covers - Seat every coil, reinstall 10mm bolts,** and click each connector home. On the V6s, reinstall the plenum: replace flattened or torn gaskets, torque bolts in sequence, and reconnect every vacuum hose and intake ducting - a forgotten hose ca...
7. **Verification - start, idle check, and interval note - Start the engine - smooth idle, no** check-engine light - then test-drive hard. On the 2GR-FSE, Lexus calls for fresh plugs roughly every 60,000 miles. A misfire code right after the job means rechecking coil connectors and (V6) vacuum h...

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