2006-2009 Volkswagen Golf | Moderate | 1 hour | $120 DIY

TOOLS

16mm (5/8-in) deep spark plug socket, magnetic or rubber-insert 3/8-in ratchet with a long extension Wire-type spark plug gap gauge Looped zip ties (as a coil-pack puller aid) Flat-blade screwdriver or pick Compressed air Dielectric grease (optional)

PARTS

Spark plug, NGK Laser Platinum PFR7S8EG, stock 1675 (fits both FSI and TSI; 0.032 in pre-gapped) PFR7S8EG $16.99
Spark plug, Genuine VW 101 905 631 B (OE number for both engines) 101 905 631 B
Spark plug, Bosch FR6KPP332S (OEM-equivalent alternative) FR6KPP332S $14.99
Ignition coil, Genuine VW / Eldor 07K905715G (FSI/BPY 2006-2008.5; black-top, supersedes 07K905715F) 07K905715G $30.89
Ignition coil, Eldor 06E905115E red-top pencil coil (TSI/CCTA/CBFA 2008.5-2009; also fits FSI as an upgrade) 06E905115E $39.80

STEPS

1. **Identify your engine: FSI or TSI - The 2006 through mid-2008 cars have the 2.0T FSI (engine code BPY);** mid-2008 through 2009 have the 2.0T TSI (engine codes CCTA or CBFA). The 2008.5 c...
2. **Remove the engine cover - Remove the engine cover to expose the four ignition coils on top of the valve** cover. It lifts off; check for clips on your car before forcing it.
3. **Disconnect the coil connectors - Rock the locking clip on each coil electrical connector backward gently** until you hear a small click, then pull the connector straight off. The clips...
4. **Remove the ignition coils - On FSI engines (BPY), pull the coils the same way, but if your coils have** hold-down fasteners, remove those first. Retention style and fastener size...
5. **Blow out the plug wells - With the coils out, blow any dirt or debris out of each spark plug well with** compressed air so nothing falls into the cylinder.
6. **Remove the old spark plugs - Remove each old plug with a 16mm (5/8-inch) spark plug socket on a ratchet** with an extension. The plugs sit deep in the head and need several turns t...
7. **Check the gap on the new plugs - Check each new NGK PFR7S8EG plug with a wire-type gap gauge: 0.032 inch** (0.8mm). Do not pry on the platinum electrodes to adjust the gap; if a plug i...
8. **Thread the new plugs in by hand - Thread each new plug in by hand for several turns first (socket on a** bare extension, no ratchet) to avoid cross-threading the aluminum head. Install...
9. **Tighten the spark plugs - Tighten each plug following the seating instructions on the plug box, typically** snug plus a fraction of a turn. No single verified torque spec is pub...
10. **Reinstall the coils and connectors - Press each ignition coil back down into its well until it is fully** seated, then reconnect each electrical connector until it clicks.
11. **Refit the engine cover - Refit the engine cover.**
12. **Start up and verify - Start the engine and confirm a smooth idle with no misfire codes. Service interval** is roughly every 60,000 miles for plugs and coils. Consider replac...