2007-2013 GMC Sierra - Spark Plug Replacement

2007-2013 GMC Sierra 1500 | Advanced | 2-3 hours | $115 DIY

TOOLS

3/8-inch ratchet with socket set including 7mm Long extensions plus a swivel/wobble extension 5/8-inch spark-plug socket with rubber insert Spark-plug boot pliers Compressed air or shop vacuum Wire-style feeler gauge and gapping tool Dielectric grease Work gloves

PARTS

Correct spark plug set for the gasoline/ICE engine in 2007-2013 GMC Sierra; 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. **Locate the coils and plug wires - The 2007-2013 Sierra 1500 is the GMT900 generation,** offered with the 4.3L V6 or the 4.8L, 5.3L, 6.0L, or 6.2L V8. Instead of coil-on-plug, these engines use individual coils bolted to the valve covers, each connected to its spark plug by...
2. **Clear access - no intake removal needed - No intake removal is needed on these trucks -** everything is reachable from the sides. If your truck has an engine cover, lift it off. Blow loose dirt away from the coil and wire area before disturbing anything.
3. **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...
4. **Remove the coils and plug wires - Lift the locking tab on each coil’s electrical** connector and unplug it, then remove the two small hold-down bolts (7mm) securing each coil and set the coil aside. Now the plug wires: grasp each BOOT with spark-plug boot pliers, twist to br...
5. **Remove the old spark plugs - Blow compressed air down each plug well before removing** plugs. Seat a 5/8-inch spark-plug socket with a rubber insert onto your extension and loosen each plug counterclockwise, lifting it straight out.
6. **Gap-check and install the new plugs - Use the iridium plug type specified for your engine** in the owner’s manual. Check each new plug’s gap with a wire-style feeler gauge against the specification in the manual or on the underhood emissions sticker; adjust gently with a proper...
7. **Reassemble wires, coils, and shields - Route the new plug wires exactly as the originals** ran and press each boot firmly onto its plug until you feel it seat over the plug terminal - a wire that looks connected but isn’t fully clicked on is the classic cause of a post-job misf...
8. **Verify the repair - Reconnect the battery and start the engine - the V8 should idle dead** smooth with no shake or check-engine light. Watch for misfire codes (P0300-P0308).

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