2016-2024 Mazda CX-9 - Spark Plug Replacement

2016-2024 Mazda CX-9 | Moderate | 45-90 minutes | $41 DIY

TOOLS

Spark plug socket Ratchet and extensions Torque wrench Gap tool Dielectric grease Gloves 14mm thin-wall spark-plug socket with rubber insert

PARTS

Spark plugs (correct heat range) $35.00
Dielectric grease $6.00

STEPS

1. **Let the engine cool and gather parts - Park the 2016-2024 Mazda CX-9 on level ground, set** the parking brake, and let the 2.5L SkyActiv-G turbo four cool completely - the aluminum head strips easily when hot, and the turbocharger stays dangerously hot long after shutdown. Gath...
2. **Access the ignition coils - Each coil is held by a single bolt with a locking electrical** connector; release the lock and pull the connector body, never the wiring - the connectors get brittle from turbo heat, so work them gently.
3. **Remove one old plug at a time - Remove one coil’s bolt, lift the coil straight up out of** its well, and immediately blow or brush debris out of the exposed plug well before loosening anything - grit that falls in goes straight into the turbocharged cylinder.
4. **Gap and install the new plug - Remove the old plug with the 14 mm socket and compare its** deposits to the new NGK DILKAR7M8; on the turbo engine expect darker carbon than on a naturally aspirated engine, but heavy oil fouling on one plug points at that cylinder’s valve s...
5. **Reinstall coils and verify idle - Seat each coil fully onto its own plug, reinstall its** bolt, and reconnect the coil connectors until each locks. Refit the engine cover and any ducting exactly as removed. Start the CX-9 and confirm a smooth idle with no check-engine light,...

TORQUE

Spark plugs (generic ~13 ft-lbs / 18 Nm - check your vehicle manual) 18 Nm 13 ft-lbs

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