# 2023-2026 BMW M2 - Spark Plug Replacement



2023-2026 BMW M2 | Advanced | 1-2 hours | $156 DIY

**TOOLS**

T30 Torx socket 14mm thin-wall magnetic spark plug socket Ratchet with extensions Compressed air source Dielectric grease Trim clip tool for engine cover

**PARTS**

6x OEM spark plugs for the S58 engine (G87 M2) $142.00
6x ignition coil boots (replace if heat-cracked)
Dielectric grease $14.00

## STEPS

1. **Cool the engine and remove the engine cover - Let the S58 cool completely (overnight is** ideal) and park the M2 on level ground. Pop the hood and release the clips to remove the plastic engine cover, exposing the six coil packs on the valve cover.
2. **Disconnect the coil-pack connectors - Squeeze the locking tab on each coil-pack** electrical connector and unplug all six. Work from one end of the engine to the other and keep the harness laid back out of the way.
3. **Unbolt and remove the six coil packs - Remove the bolt securing each coil pack - a T30** Torx on the S58 - and pull the coils straight up out of their tubes. If a coil resists, twist gently rather than yanking; set them aside in cylinder order.
4. **Blow out the plug tubes - Blow compressed air down each plug tube to clear out any grit.** Anything left in the tube will drop straight into the combustion chamber when the plug comes out.
5. **Remove the old spark plugs - Using a 14mm thin-wall magnetic spark plug socket on an** extension, loosen each plug and lift it out. Inspect the old plugs for unusual fouling or damage as they come out.
6. **Install the new plugs by hand first - Confirm the new plugs are the correct OEM S58 part** and come pre-gapped; do not re-gap them. Lower each plug in on the magnetic socket, thread it by hand several turns to avoid cross-threading, then snug gently with the ratchet.
7. **Refit the coils and reconnect everything - Apply a light film of dielectric grease inside** each coil boot, slide the coil packs back over the plugs, and reinstall their bolts. Reconnect all six electrical connectors until each one clicks positively into place.
8. **Reassemble and verify under a test drive - Refit the engine cover, confirm no tools or** rags are left in the bay, and close the hood. Start the engine; it should idle with no warning lights. A drive with moderate pulls confirms the plugs fire cleanly under boost.

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