2016-2021 Fiat 500X - Spark Plug Replacement

2016-2021 Fiat 500X | Advanced | 45 minutes to 1.5 hours | $115 DIY

TOOLS

5/8-inch (16mm) spark plug socket
3/8-inch ratchet 6-inch 3/8-inch extension 10mm socket Feeler gauge
Compressed air or blower nozzle Clean shop rags Dielectric grease

PARTS

Correct spark plug set for the gasoline/ICE engine in 2016-2021 Fiat 500X; 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. **Pull the engine cover and find the four pencil coils - Let the engine cool fully, then** pop the hood and pull the plastic engine cover straight up off its mounting grommets. Depending on year, your 500X runs the 1.4L MultiAir turbo, the 1.3L turbo (2019 and up), or the 2.4L Tigershark.
2. **Disconnect each coil and remove its hold-down bolt - Squeeze the locking tab on each** coil's electrical connector and rock it off - don't yank the wiring. Each coil is held by a single small bolt (10mm); remove the bolt and set it in a tray.
3. **Lift the coils and check the tubes for oil - Pull each coil with a slow twist and shine a** flashlight down each tube. The 1.4L is known for oil seeping past the tube seals - an oil-soaked coil boot means the seals are due, a valve-cover-gasket-plus-seals job, not just plugs.
4. **Blow out the wells and spin the old plugs out - Blow compressed air down each tube to** clear grit first. Drop a 5/8-inch (16mm) plug socket on a long extension down the tube, crack the plug loose, and spin it out. Keep the ratchet straight to avoid side-loading the ceramic.
5. **Set the gap from the manual, not the forums - Check each new plug's gap with a feeler** gauge against your manual or the emissions sticker. If a plug needs adjusting, move the ground strap gently with the gauge tool - never lever against the center electrode or its precious-metal tip.
6. **Hand-thread the new plugs and reseat the coils - Lower each plug into its tube on the** socket and thread it in by hand until the washer seats. Slide each coil back down its tube, reinstall the 10mm bolts, and click the connectors home.
7. **Reconnect, start up, and verify a smooth idle - Reconnect the battery and start the** engine - it should idle smoothly within seconds. A flashing check-engine light or rough stumble means a coil connector isn't seated; shut it down and recheck each one.

TORQUE

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