2010-2013 Kia Forte Koup - Spark Plug Replacement

2010-2013 Kia Forte Koup | Advanced | 1-3 hours | $115 DIY

TOOLS

Metric/SAE socket set with extensions and swivel Spark-plug socket with rubber insert or magnet Torque wrench covering the plug range Compressed air or a soft brush, dielectric grease, gloves, and eye protection 5/8-inch (16mm) spark-plug socket with rubber insert 10mm socket

PARTS

Correct spark plug set for the gasoline/ICE engine in 2010-2013 Kia Forte Koup; verify engine, heat range, gap, and VIN fitment
NGK DILFR5A-11D $115.00
Coil-boot seals or ignition coils only if inspection finds damage $35.00

STEPS

1. **Confirm engine and plug fitment - Confirm the engine: both the 2.0L and 2.4L Theta** engines in the Koup use the same plug - the NGK 5018 (G-Power platinum), gapped at 0.044". The OE iridium equivalent is the NGK DILFR5A-11D with a 168,000 km service interval. The iridium DI...
2. **Cool and expose the plugs - Pop the plastic engine cover off to expose the four coil** packs in a row on the valve cover - the Koup's bay is open and this is a straightforward topside job. Disconnect the negative battery cable only if your service procedure calls for i...
3. **Remove the ignition coils - Unplug each coil connector and remove the 10mm coil bolt,** then pull each coil straight up out of its well. Keep the coils in cylinder order. The coil bolts are 10mm. Inspect each boot for cracks while it's out.
4. **Remove and install plugs - Remove each old plug with a 5/8" spark-plug socket and** extension, one cylinder at a time. Check the old plugs for oil fouling and compare reach with the new 5018s. Start each new plug by hand for several threads, then tighten to the manufa...
5. **Reconnect and verify - Coat the inside of each coil boot with dielectric grease, reseat** the coils, snug the 10mm bolts, and reconnect every connector until it clicks. Refit the engine cover, reconnect the battery if removed, and start the Koup. Confirm a smooth...

TORQUE

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