2010-2013 Acura ZDX - Spark Plug Replacement

2010-2013 Acura ZDX | Advanced | 1.5-2 hours (the rear bank against the firewall takes patience) | $80 DIY

TOOLS

5/8-inch (16mm) spark plug socket (magnetic or rubber-insert) 3/8-inch ratchet with 3-inch and 6-inch extensions 10mm socket for the engine cover and coil bolts Wire-type spark plug gap gauge Headlamp or inspection light Soft brush for cleaning around the coils

PARTS

Spark Plugs $80.00

STEPS

1. **Let the 3.7L V6 cool completely - Park on level ground, set the parking brake, and let** the engine cool fully. The rear bank sits close to the firewall and the exhaust heat lingers there, so give it extra cooling time before you start.
2. **Remove the large plastic engine cover - Unbolt the large plastic engine cover (held by** 10mm bolts at its corners) and lift it off to expose the intake manifold and the front bank's three coils.
3. **Service the three front-bank plugs first - Press each coil connector's release tab and** unplug it, remove the coil's hold-down bolt, and pull the coil straight up. Use a 5/8-inch (16mm) spark plug socket on an extension to remove each plug.
4. **Reach the three rear-bank plugs over the intake - It is tight and you will work largely** by feel, so a headlamp helps. Unplug each coil connector, remove its hold-down bolt, and pull the coil up and out.
5. **Remove the rear plugs and check every gap - Remove all three rear plugs. Check the** electrode gap of every new plug against the specification in your owner's manual or on the under-hood emissions sticker, using a wire-type feeler gauge. Adjust only the ground strap, and re-check each...
6. **Install all six new plugs by hand - Thread each new plug in by hand, spinning the** extension with your fingers until the washer contacts the head - on the rear bank, lower the plug in on the socket first, then start the threads by hand before attaching the ratchet. Never fo...
7. **Reinstall the coils and cover, then verify - Press each coil firmly back onto its plug,** reinstall the hold-down bolts, and reconnect every connector until it clicks - double-check the rear three, since a missed connector back there is easy to overlook. Refit the engine cover and co...

TORQUE

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