2002-2012 Jeep Liberty - Spark Plug Replacement

2002-2012 Jeep Liberty | Advanced | 1.5 hours (2.4L); 2-2.5 hours (3.7L V6) | $115 DIY

TOOLS

5/8-in spark plug socket with 6-in extension 10mm socket for coil bolts and reservoir bolts Wire-type spark plug gap gauge Compressed air or a small brush for plug wells Dielectric grease for coil boots and wire ends Labels or tape for plug wires (2.4L)

PARTS

Correct spark plug set for the gasoline/ICE engine in 2002-2012 Jeep Liberty; 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. **Identify your engine: 2.4L coil pack or 3.7L coils - Liberty model years 2002-2012 came** with two very different ignition systems, so identify yours first. The 3.7-liter PowerTech V6 uses six individual coil-on-plug coils, one per cylinder. Let the engine cool completely and disconnect the...
2. **Unplug the coil pack or the six coil connectors - On the 3.7L V6, pull the plastic engine** cover off and unplug each coil’s electrical connector - squeeze the release tab and slide it off.
3. **Free the blocked rear coil on the 3.7L V6 - Unbolt or shift the coolant reservoir aside** and pull the snorkel off the air box - you do not need to drain anything, move them enough to reach the coil.
4. **Pull the coils and extract the old plugs - Remove each coil’s single retaining bolt (** 10mm) and pull the coil straight up out of the well. Blow any grit out of the open wells, then remove each plug with a 5/8-inch spark plug socket and extension.
5. **Gap the new plugs to the sticker value - Never invent a gap number. Check the correct gap** on the emissions sticker under the hood or in your owner’s manual - the sticker value is the one that matches your engine. Verify each new plug with a wire-type gauge, adjusting only the g...
6. **Hand-start and seat the new plugs - Thread each plug in by hand until you are certain it** is not cross-threaded, then tighten to seat the washer - a quarter to a half turn past finger-tight for washer-seat plugs.
7. **Reassemble and confirm a clean idle - Reconnect every coil connector until the tab clicks** (or reattach the 2.4L plug wires to their correct towers), reinstall the engine cover, and put the coolant reservoir and intake snorkel back on the V6. Reconnect the battery and start the...

TORQUE

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