XC Spark Plug Service
(2001 Volvo V70 XC AWD L5-2435cc 2.4L Turbo VIN 58 B5244T3 LT)

Service and Repair

Note! As the illustrations in the information are used for different model years and/or models, certain variations may occur. However, the essential information in the illustrations is always correct.

Removing spark plugs:
Remove

* any charge air pipe over the engine. Seal the openings.
* the upper camshaft belt cover.
* the cover over the ignition coils.
Remove the spark plugs
Mark up the ignition coils.
Remove

* the ignition coils. Mark up their locations. Put the ignition coils to one side without disconnecting the connectors.
* the spark plugs.
Replace the spark plugs
Install new spark plugs:

* Check the spark plug gap.

Note! Turbocharged engines: Correct spark gap: 0.7 - 0.8 mm (0.02 - 0.03 inch).

* Lubricate the spark plug threads with paste. P/N: 116 1408. Tighten to 30 Nm (22 ft. lbs.)

Spark plugs with 3 electrodes
Normally aspirated engine:

Note! Spark plugs with 3 electrodes. Cannot be adjusted. The gaps listed and that can be measured are between the insulator and side electrode. Nominal measurement: 0.5 mm (0.02 inch).
Lubricate the spark plug threads with paste. P/N: 116 1408. Tighten to **30 Nm (22 ft. lbs.)**.

**Install**

* the ignition coils. Check the marking. Tighten to **10 Nm (7.4 ft. lbs.)**
* the cover over the ignition coils. Tighten to **8 Nm (6 ft. lbs.)**
* the upper camshaft belt cover. Tighten to **8 Nm (6 ft. lbs.)**
* any charge air pipe over the engine. Remove the seals from the openings.

**Checking work**

**Function test:**

* start the engine and check that it functions normally.

Wipe the steering wheel and gear selector lever clean.
<table>
<thead>
<tr>
<th>Labor</th>
<th>Skill Level</th>
<th>Warr.</th>
<th>Std.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spark Plug</td>
<td>Replace</td>
<td>B</td>
<td>1.0</td>
</tr>
<tr>
<td>Gap</td>
<td>Spark Plug</td>
<td>Champion</td>
<td>RC8PYP</td>
</tr>
<tr>
<td>Gap</td>
<td>0.7-0.8mm (0.028-9.032mm”)</td>
<td></td>
<td></td>
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