



How to change ignition
coil on **VW PASSAT (3B2)**
– replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:

VW PASSAT (3B2) 1.6

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: VW Golf IV Hatchback (1J1) 1.6

REPLACEMENT: IGNITION COIL – VW PASSAT (3B2).
 TOOLS YOU MIGHT NEED:



- Electronic spray
- Torque wrench
- Combination spanner #10
- Drive socket # 13
- HEX bit No.H5
- HEX bit No.H6
- Ratchet wrench
- Microfibre towel
- Fender cover

Buy tools

Replacement: ignition coil – VW PASSAT (3B2). Tip from AUTODOC experts:

- The replacement procedure is the same for the ignition coils of all cylinders.
- All work should be done with the engine stopped.

REPLACEMENT: IGNITION COIL – VW PASSAT (3B2). RECOMMENDED SEQUENCE OF STEPS:

1 Open the bonnet.

2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

3 Disconnect the secondary air pump hoses.



4 Cover the secondary air pump channels with a microfibre cloth to prevent dust and dirt from getting inside.



5 Detach the secondary air pump connector.



6 Unscrew the fasteners connecting the secondary air pump to its bracket. Use a combination spanner #10.



7 Remove the secondary air pump.



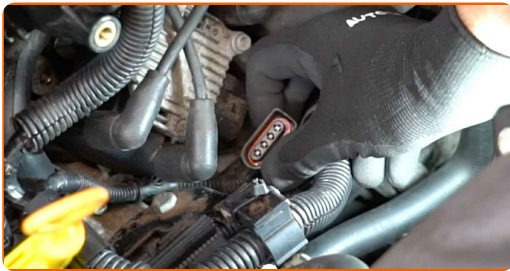
8 Unscrew the fastener of the secondary air pump bracket. Use HEX No.H6. Use a drive socket #13. Use a ratchet wrench.



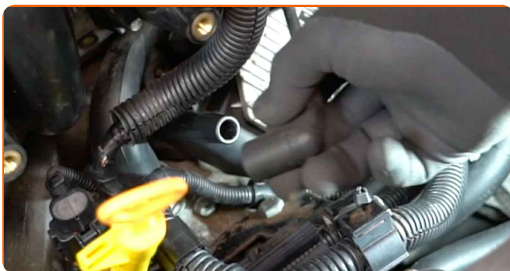
9 Remove the secondary air pump bracket.



10 Detach the connector from the ignition coil.



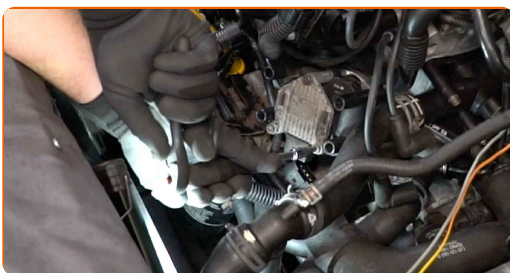
11 Disconnect the spark plug wires from the ignition coil.



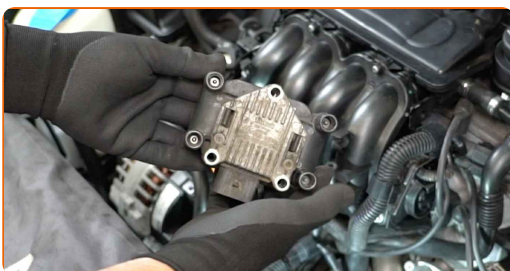
Replacement: ignition coil – VW PASSAT (3B2). Tip:

- Remember the sequence of the spark plug wires connectors.

12 Unscrew the ignition coil bracket. Use HEX No.H5. Use a ratchet wrench.

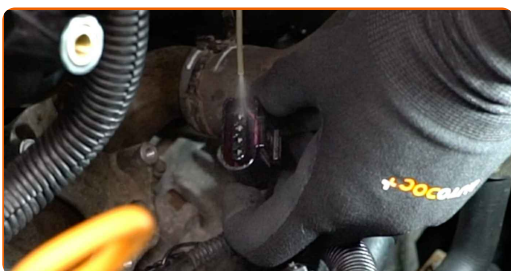


13 Remove the ignition coil.



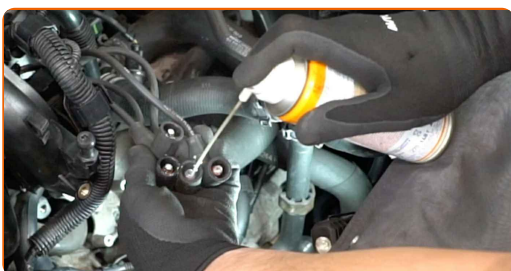
14

Treat the ignition coil connector with electronic spray. The spray will protect the electrical contacts from corrosion, oxidation, and will reduce the contact resistance.



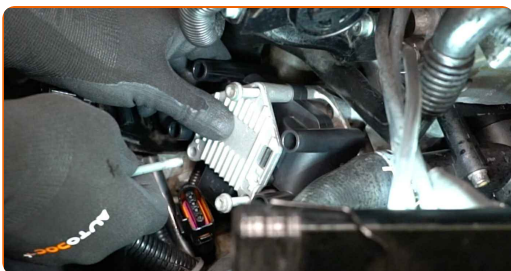
15

Treat the spark plug wire connectors. Use electronic spray.



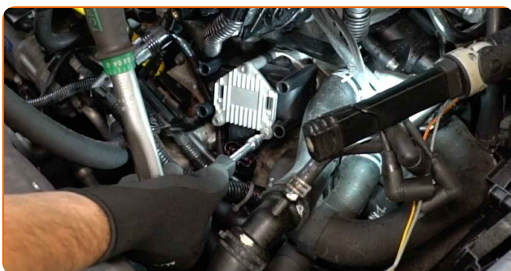
16

Install the new ignition coil to the spark plug well. Make sure you hear a click indicating that it is locked in place.



17

Tighten the ignition coil fastening. Use HEX No.H5. Use a torque wrench. Tighten it to 7 Nm torque.



18 Plug in the ignition coil connector.



19 Connect the spark plug wires to the ignition coil.



Replacement: ignition coil – VW PASSAT (3B2). AUTODOC experts recommend:

- Follow the installation sequence.

20 Install the secondary air pump bracket.



21 Tighten the fastener of the secondary air pump bracket. Use HEX No.H6. Use a drive socket #13. Use a torque wrench. Tighten it to 9 Nm torque.



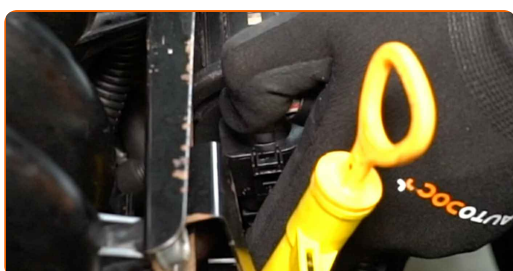
22 Install the secondary air pump.



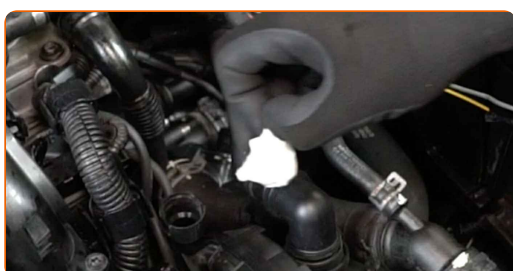
23 Screw in the fasteners connecting the secondary air pump to its bracket. Use a combination spanner #10.



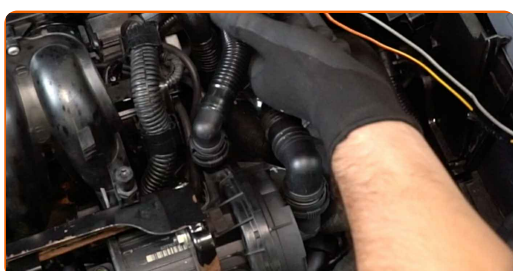
24 Attach the secondary air pump connector.



25 Remove the microfibre cloth from the secondary air pump channels.



26 Attach the secondary air pump hoses.



27 Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.

28 Shut off the engine.

29 Remove the fender protection cover.

30 Close the hood.

WELL DONE! 

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