



How to change ignition
coil on **VW PASSAT (3B3)**
– 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 (3B3) 1.6, VW PASSAT (3B3) 2.0, VW PASSAT (3B3) 2.0 4motion

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 (3B3).
 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 (3B3). 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 (3B3). 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 (3B3). 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.



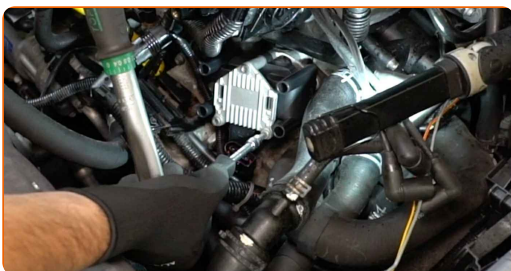
- 15 Treat the spark plug wire connectors. Use electronic spray.



- 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 (3B3). 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! 

[VIEW MORE TUTORIALS](#)

AUTODOC – TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

AUTODOC MOBILE APP: GREAT DEALS AND CONVENIENT SHOPPING



+ AUTODOC

GET IT ON
Google Play

 Download on the
App Store

Download

A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

IGNITION COIL: A WIDE SELECTION

DISCLAIMER:

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.

© Copyright 2022 – All the contents of this website, in particular texts, photographs and graphics, are protected by copyright. All rights, including reproduction, publication, editing and translation rights, are reserved by AUTODOC GmbH.