



How to change front ABS  
sensor on **VW PASSAT**  
**(3A2, 35I)** – 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 (3A2, 35I) 2.0, VW PASSAT (3A2, 35I) 1.9 TD, VW PASSAT (3A2, 35I) 1.9 TDI, VW PASSAT (3A2, 35I) 1.8, VW PASSAT (3A2, 35I) 2.8 VR6, VW PASSAT (3A2, 35I) 2.0 16V, VW PASSAT (3A2, 35I) 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: ABS SENSOR – VW PASSAT (3A2, 35I).  
TOOLS YOU MIGHT NEED:**



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Electronic spray
- Copper grease
- Multipurpose grease
- Torque wrench
- Torx bit T30
- HEX bit No.H5
- HEX bit No.H7
- Wheel impact socket #17
- Ratchet wrench
- Flat screwdriver
- Pin punch
- Tap wrench
- Hammer
- Crow bar
- Wheel chock

**Buy tools**

Replacement: ABS sensor – VW PASSAT (3A2, 35I). Tip from AUTODOC:

- All work should be done with the engine stopped.

## REPLACEMENT: ABS SENSOR – VW PASSAT (3A2, 35I). TAKE THE FOLLOWING STEPS:

**1** Secure the wheels with chocks.

**2** Loosen the wheel mounting bolts. Use wheel impact socket #17.



**3** Raise the front of the car and secure on supports.

**4** Unscrew the wheel bolts.



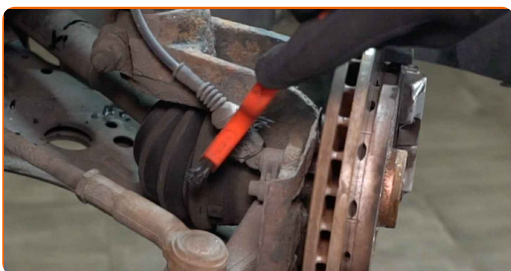
### AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. VW PASSAT (3A2, 35I)

5 Remove the wheel.



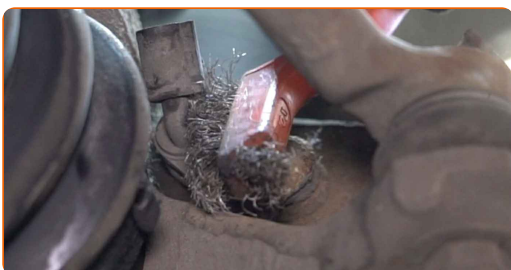
6 Clean the ABS sensor fastener. Use a nylon cleaning brush. Use WD-40 spray.



7 Detach the ABS sensor connector. Use a flat screwdriver.

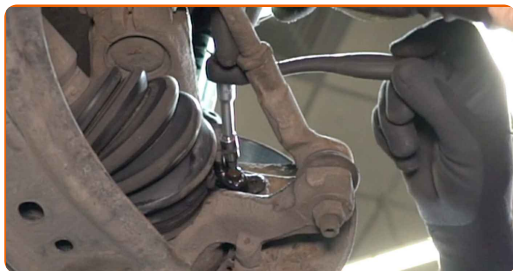


8 Clean the ABS sensor fastener. Use a wire brush. Use WD-40 spray.



9

Unscrew the ABS sensor fastener. Use HEX No.H5. Use a ratchet wrench.



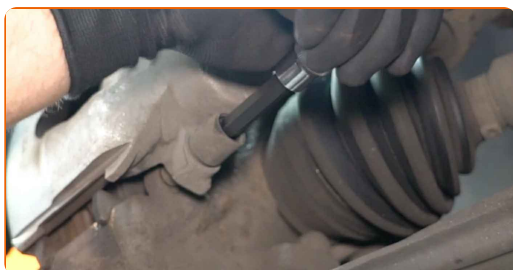
10

Remove the caps from the brake caliper guide pin boots. Use a crowbar.



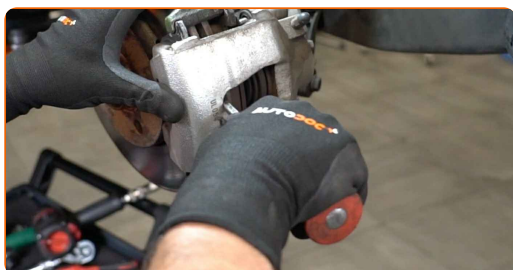
11

Unscrew the brake caliper fastening. Use HEX No.H7. Use a ratchet wrench. Use a tap wrench.



12

Spread the brake pads. Use a crowbar.



**13**

Remove the brake caliper.



**Replacement: ABS sensor – VW PASSAT (3A2, 35I). Professionals recommend:**

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

**14**

Clean the brake disc fastener. Use a wire brush. Use WD-40 spray.



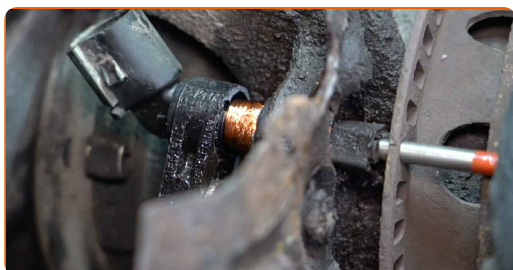
**15** Unscrew the brake disc fastening. Use Torx T30. Use a ratchet wrench.



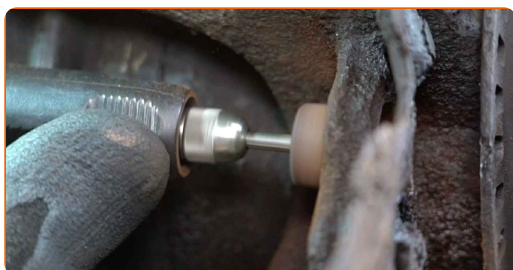
**16** Remove the brake disc.



**17** Disconnect the ABS sensor. Use a pin punch. Use a hammer. Use a crowbar.

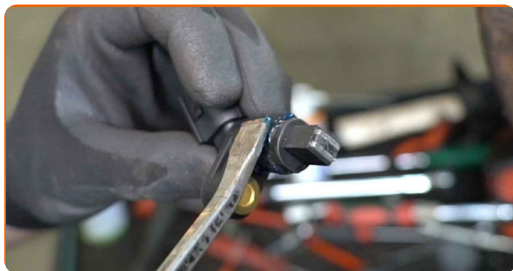


**18** Clean the ABS sensor mounting seat. Use a wire brush. Use WD-40 spray.





**19** Treat the ABS sensor fastener. Use a multipurpose grease.



**20** Connect the ABS sensor.



**21** Tighten the fastener that connects the ABS sensor to the steering knuckle. Use HEX No.H5. Use a torque wrench. Tighten it to 6 Nm torque.



**22** Treat the ABS sensor connector. Use dielectric grease.

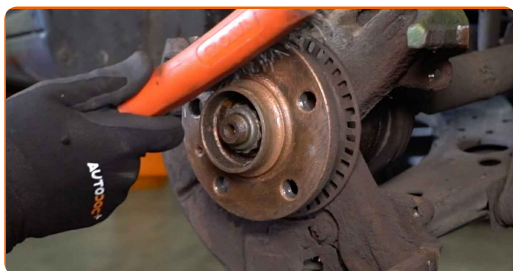


**23** Attach the ABS sensor connector.



24

Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



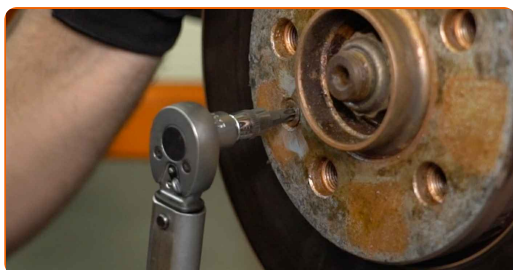
25

Install the brake disc.



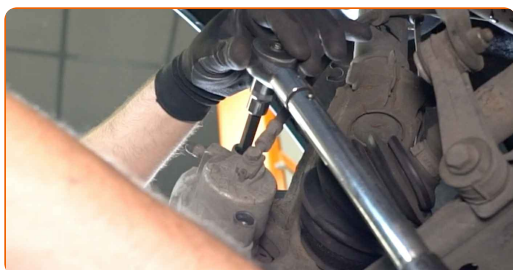
26

Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 6 Nm torque.



27

Install the brake caliper and fix it. Use HEX No.H7. Use a torque wrench. Tighten it to 30 Nm torque.



**28** Install the caps on the brake caliper guide pin boots.



**29** Clean the wheel rim mounting seat. Use a wire brush.



**30** Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



**31** Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: ABS sensor – VW PASSAT (3A2, 35I). After applying the spray, wait a few minutes.

**32** Install the wheel.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. VW PASSAT (3A2, 35I)

**33** Screw in the wheel bolts. Use wheel impact socket #17.



**34** Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.



**35**

Remove the jacks and chocks.



**WELL DONE!** 

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