



How to change rear ABS  
sensor on **AUDI A3**  
**Hatchback (8L1)** –  
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:

AUDI A3 Hatchback (8L1) 1.6, AUDI A3 Hatchback (8L1) 1.8, AUDI A3 Hatchback (8L1) 1.8 T, AUDI A3 Hatchback (8L1) 1.9 TDI, AUDI A3 Hatchback (8L1) 1.8 T quattro, AUDI A3 Hatchback (8L1) S3 quattro

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 – AUDI A3 HATCHBACK (8L1). TOOLS YOU MIGHT NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Electronic spray
- Copper grease
- Multipurpose grease
- Torque wrench
- Torx bit T30
- HEX bit No.H5
- HEX bit No.H8
- Wheel impact socket #17
- Ratchet wrench
- Flat screwdriver
- Water pump pliers
- Pin punch
- Tap wrench
- Hammer
- Crow bar
- Wheel chock

**Buy tools**

Replacement: ABS sensor – AUDI A3 Hatchback (8L1). Tip from AUTODOC:

- All work should be done with the engine stopped.

## REPLACEMENT: ABS SENSOR – AUDI A3 HATCHBACK (8L1). USE THE FOLLOWING PROCEDURE:

**1** Secure the wheels with chocks.

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



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

**4** Unscrew the wheel bolts.



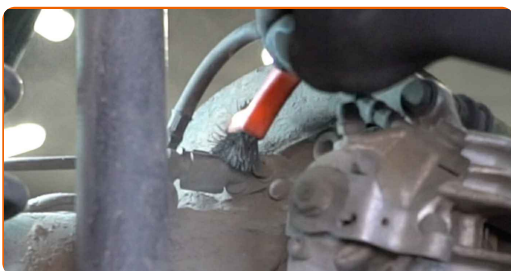
### AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
AUDI A3 Hatchback (8L1)

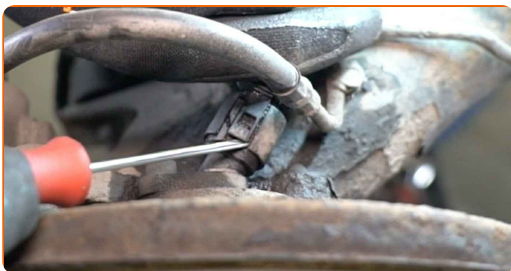
**5** Remove the wheel.



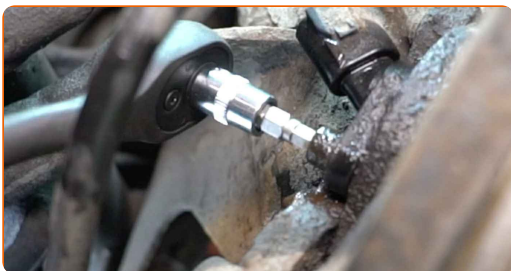
**6** Clean the ABS sensor fastener. Use a nylon cleaning brush. Use WD-40 spray.



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



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



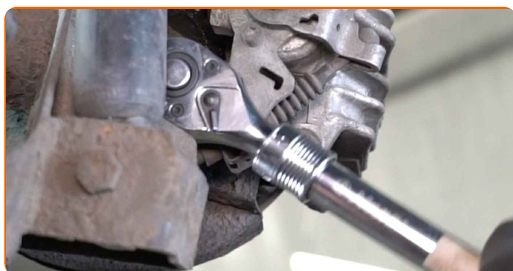
9

Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



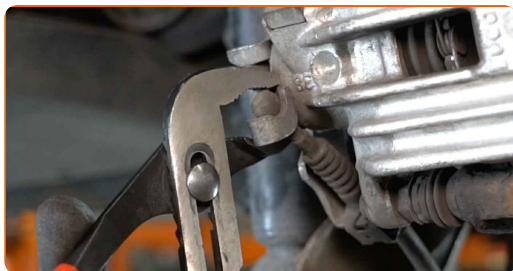
10

Unscrew the brake caliper bracket fasteners. Use HEX No.H8. Use a ratchet wrench. Use a tap wrench.



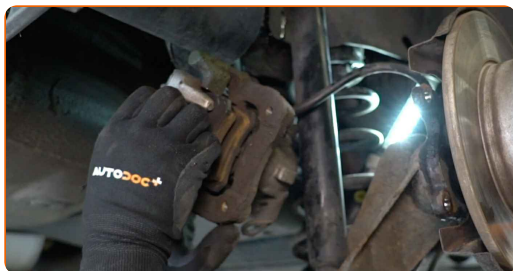
11

Release the parking brake cable. Use water pump pliers. Use a crowbar.



12

Remove the brake caliper together with its bracket.



Replacement: ABS sensor – AUDI A3 Hatchback (8L1). AUTODOC experts 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.

13

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

14

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



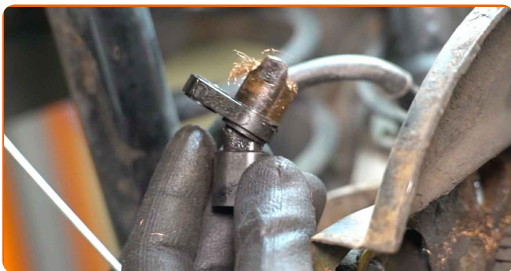
15

Remove the brake disc.

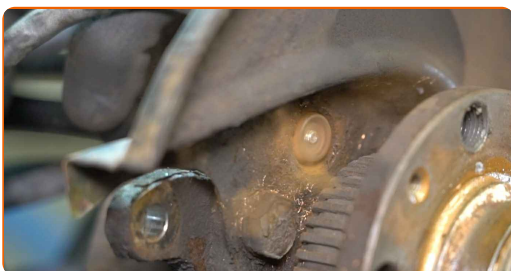




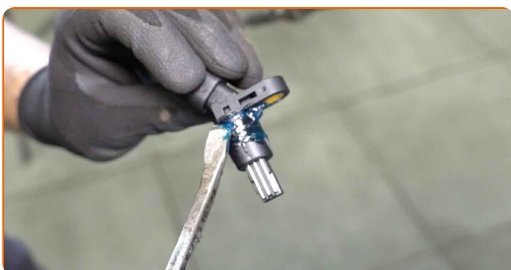
**16** Disconnect the ABS sensor. Use a pin punch. Use a hammer. Use a crowbar.



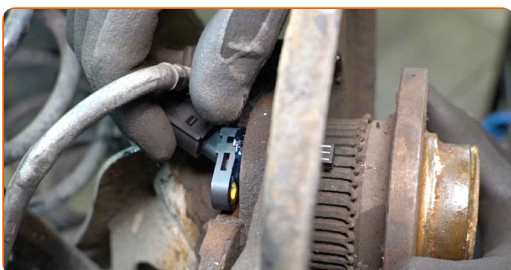
**17** Clean the ABS sensor mounting seat. Use a wire brush. Use WD-40 spray.



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



**19** Connect the ABS sensor.





- 20 Tighten the fastener connecting the ABS sensor to the stub axle. Use HEX No.H5. Use a torque wrench. Tighten it to 6 Nm torque.



- 21 Treat the ABS sensor connector. Use dielectric grease.



- 22 Attach the ABS sensor connector.



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



- 24 Install the brake disc.



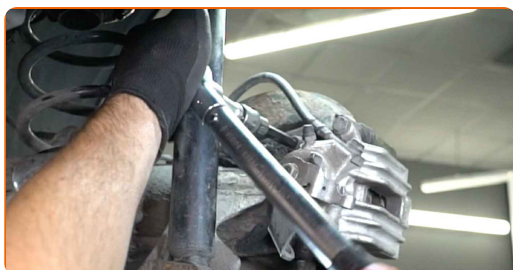
**25** Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 6 Nm torque.



**26** Install the brake caliper together with its bracket.



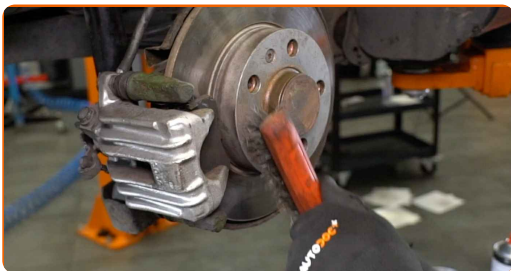
**27** Tighten the brake caliper bracket. Use HEX No.H8. Use a torque wrench. Tighten it to 45 Nm torque.



**28** Install the parking brake cable into the brake caliper bracket. Use water pump pliers. Use a crowbar.



**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 – AUDI A3 Hatchback (8L1). After applying the spray, wait a few minutes.

**32** Install the wheel.



**AUTODOC recommends:**

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

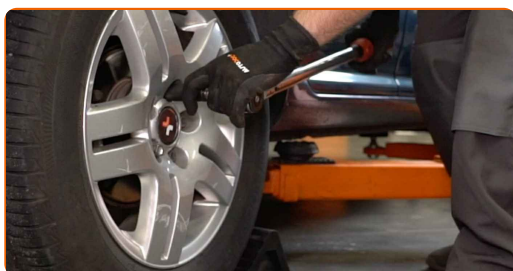
**33**

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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