



How to change front  
brake caliper on **AUDI A4  
Avant (8E5, B6)** –  
replacement guide

### SIMILAR VIDEO TUTORIAL



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

#### **i Important!**

This replacement procedure can be used for:

AUDI A4 Avant (8E5, B6) 1.6, AUDI A4 Avant (8E5, B6) 2.0, AUDI A4 Avant (8E5, B6) 1.8 T, AUDI A4 Avant (8E5, B6) 3.0, AUDI A4 Avant (8E5, B6) 1.9 TDI, AUDI A4 Avant (8E5, B6) 2.4, AUDI A4 Avant (8E5, B6) 2.5 TDI quattro, AUDI A4 Avant (8E5, B6) 2.5 TDI, AUDI A4 Avant (8E5, B6) 1.8 T quattro, AUDI A4 Avant (8E5, B6) 3.0 quattro, AUDI A4 Avant (8E5, B6) 1.9 TDI quattro, AUDI A4 Avant (8E5, B6) 2.0 FSI

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: AUDI A6 Avant (4B5, C5) 2.4

**REPLACEMENT: BRAKE CALIPER – AUDI A4 AVANT (8E5, B6). TOOLS YOU MIGHT NEED:**



- Wire brush
- Brake cleaner
- Electronic spray
- Copper grease
- Torque wrench
- Combination spanner #10
- Combination spanner #11
- Drive socket # 10
- HEX bit No.H7
- Wheel impact socket #17
- Ratchet wrench
- Brake hose clip
- Fluid container
- Brake bleeder kit
- Crow bar
- Wheel chock

**Buy tools**

Replacement: brake caliper – AUDI A4 Avant (8E5, B6). Tip:

- The replacement procedure is identical for the left and right brake calipers on the same axle.
- All work should be done with the engine stopped.

**REPLACEMENT: BRAKE CALIPER – AUDI A4 AVANT (8E5, B6). USE THE FOLLOWING PROCEDURE:**

**1** Open the bonnet. Unscrew the brake fluid reservoir cap.

**2** Secure the wheels with chocks.

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



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

**5** Unscrew the wheel bolts.

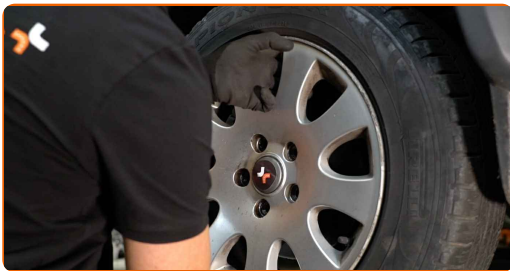


**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
AUDI A4 Avant (8E5, B6)

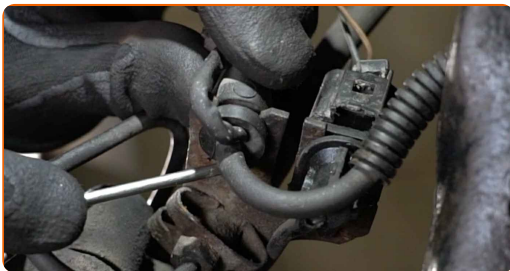
**6**

Remove the wheel.



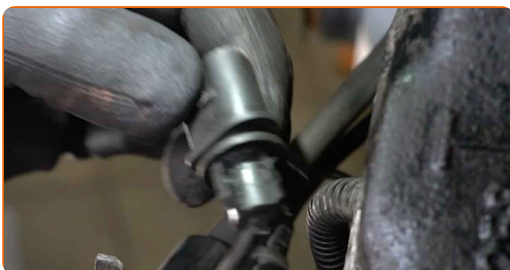
**7**

Disconnect the brake pad wear sensor plug.



**8**

Disconnect the brake pads wear sensor. Use a crowbar.



**Please note!**

- Some cars are not equipped with the brake pad wear sensor.

**9** Spread the brake pads. Use a crowbar.



**10** Clean the area where the brake hose is connected to the caliper, and the guide pins area. Use a wire brush. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: brake caliper – AUDI A4 Avant (8E5, B6). After applying the spray, wait a few minutes.

**11** Clamp the brake hose off using a brake hose clamp.



**12** Put a container for gathering brake fluid beneath.



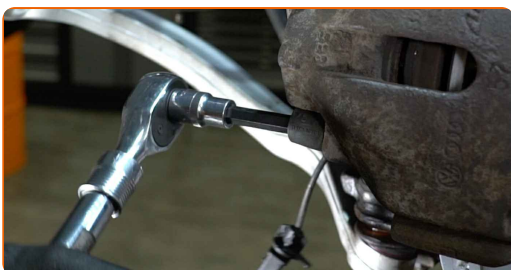
**13** Unscrew the fastener connecting the brake hose to the brake circuit pipe. Use a combination spanner #11.



**14** Remove the dust boot caps of the brake caliper guide pins. Use a crowbar.



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



**16** Detach the brake caliper retaining spring. Use a crowbar.



**17**

Remove the brake caliper.



**Replacement: brake caliper – AUDI A4 Avant (8E5, B6). Tip from AUTODOC:**

- When replacing the brake caliper, it is recommended to check the brake hose for damages and, if necessary, to replace it with a new one.
- When replacing a brake caliper it is recommended to replace brake pads, check the state of the brake discs and replace them with new ones if necessary.
- If no new guide pins were supplied in a kit with the new brake calipers, use the old pins.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

**18**

Unscrew the mounting bracket that connects the brake hose to the brake caliper.

**19**

Remove the brake pads.

**20**

Clean the brake pipe fastener. Use a wire brush. Use a brake cleaner.

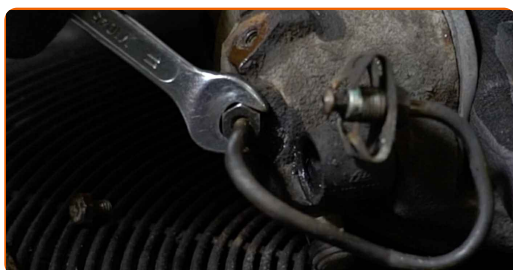


**AUTODOC recommends:**

- Replacement: brake caliper – AUDI A4 Avant (8E5, B6). After applying the spray, wait a few minutes.

**21**

Unscrew the fastener connecting the brake pipe to the brake caliper. Use a combination spanner #11.



**22**

Treat the brake pipe. Use a brake cleaner.

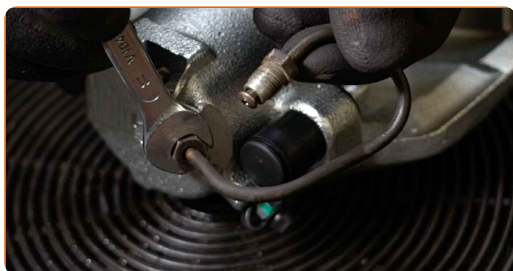


**Replacement: brake caliper – AUDI A4 Avant (8E5, B6). AUTODOC experts recommend:**

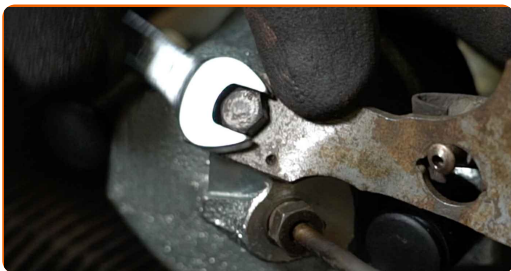
- After applying the spray, wait a few minutes.

**23**

Screw in the fastener connecting the brake pipe to the brake caliper. Use a combination spanner #11.



**24** Screw in the fasteners of the brake hose bracket. Use a combination spanner #10.



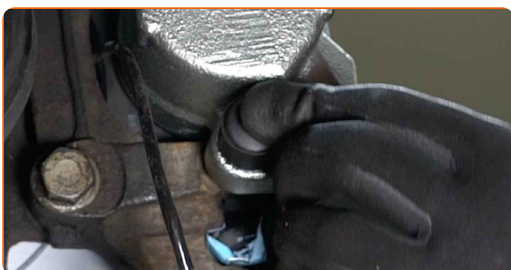
**25** Install the brake pads.



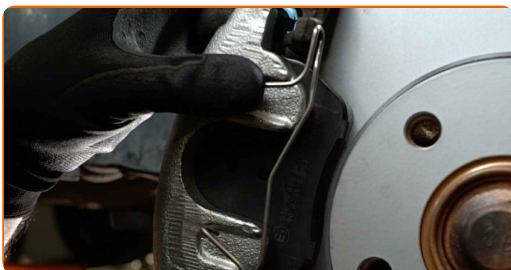
**26** Install the brake caliper and fix it. Use HEX No.H7. Use a torque wrench. Tighten it to 30 Nm torque.



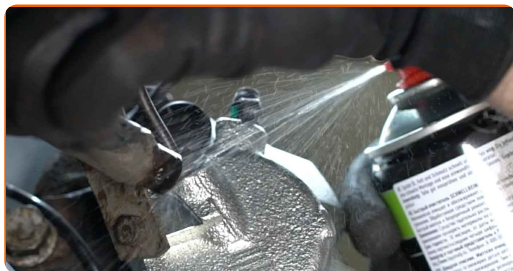
**27** Install the dust boot caps of the brake caliper guide pins.



**28** Install the brake pad retaining clip. Use a crowbar.



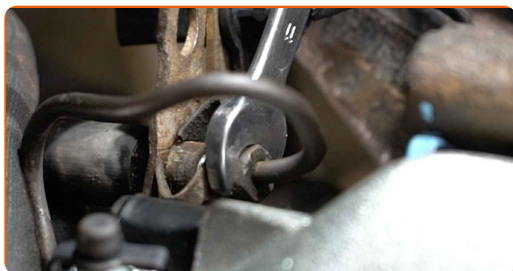
**29** Treat the brake hose. Use a brake cleaner.



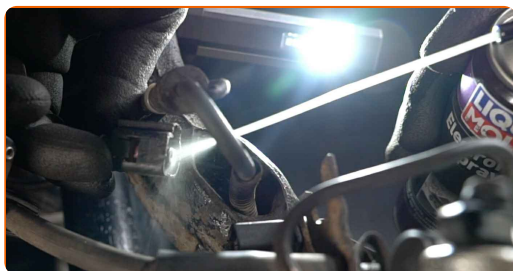
**AUTODOC recommends:**

- Replacement: brake caliper – AUDI A4 Avant (8E5, B6). After applying the spray, wait a few minutes.

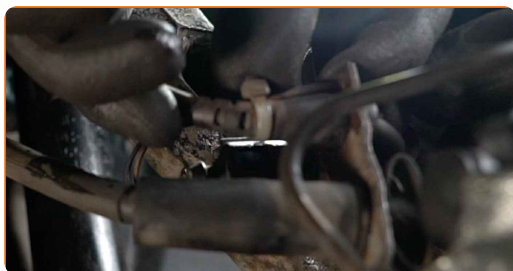
**30** Screw the brake pipe to the brake hose. Use a combination spanner #11.



**31** Treat the brake pad wear sensor plug. Use dielectric grease.



**32** Connect the brake pads wear sensor.



**33** Connect the brake pad wear sensor plug.



**34** Remove the brake hose clamp.



**35** Connect the brake bleeder kit to the brake bleeder screw.



**36** Undo the brake bleeder screw. Use a combination spanner #10.



**37** Bleed the brake caliper system. Without starting the engine, press the brake pedal several times until you feel significant resistance.



**38** Tighten the brake bleeder screw. Use a combination spanner #10.



**39** Disconnect the brake bleeder kit.

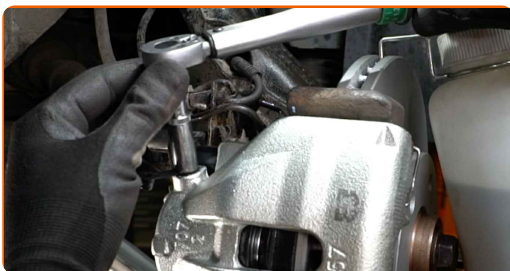
**40** Clean dirt from the brake hose bolt. Use a brake cleaner.



Replacement: brake caliper – AUDI A4 Avant (8E5, B6). Professionals recommend:

- After applying the spray, wait a few minutes.

**41** Tighten the brake caliper bleed screw. Use a drive socket #10. Use a torque wrench. Tighten it to 7 Nm torque.





42

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



43

Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: brake caliper – AUDI A4 Avant (8E5, B6). After applying the spray, wait a few minutes.

44

Install the wheel.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. AUDI A4 Avant (8E5, B6)

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



**46** 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.



**47** Remove the jacks and chocks.



Replacement: brake caliper – AUDI A4 Avant (8E5, B6). AUTODOC experts recommend:

- Check the brake fluid level in the expansion tank and refill if necessary.

**48**

Tighten the brake fluid reservoir cap. Close the hood.



**WELL DONE!** 

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