



How to change front
brake caliper on **Audi A3**
8PA – replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

AUDI A3 Hatchback (8L1) 1.6, AUDI A3 Hatchback (8L1) 1.8, AUDI A3 Hatchback (8L1) 1.9 TDI, AUDI A3 Hatchback (8P1) 1.6 E-Power, AUDI A3 Sportback (8PA) 1.6 E-Power, AUDI A1 Hatchback (8X1, 8XK) 1.4 TFSI, AUDI A1 Hatchback (8X1, 8XK) 1.6 TDI, AUDI A1 Hatchback (8X1, 8XK) 2.0 TDI, AUDI TT Coupe (8N3) 1.8 T, AUDI TT Coupe (8N3) 1.8 T quattro, AUDI A3 Convertible (8P7) 1.4 TFSI, AUDI TT Roadster (8N9) 1.8 T, AUDI TT Roadster (8N9) 1.8 T quattro, AUDI A1 Sportback (8XA, 8XF) 1.2 TFSI, AUDI A1 Sportback (8XA, 8XF) 1.4 TFSI, (+ 56)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE CALIPER – AUDI A3 8PA.
 TOOLS YOU MIGHT NEED:



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

BUY TOOLS

Replacement: brake caliper – Audi A3 8PA. Professionals recommend:

- 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 A3 8PA. TAKE THE FOLLOWING STEPS:

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



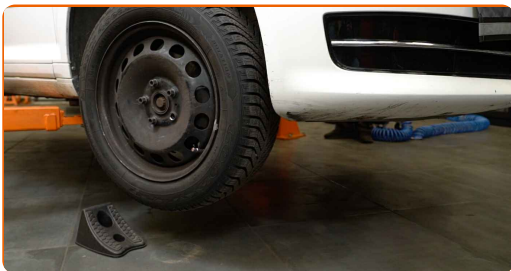
2 Secure the wheels with chocks.



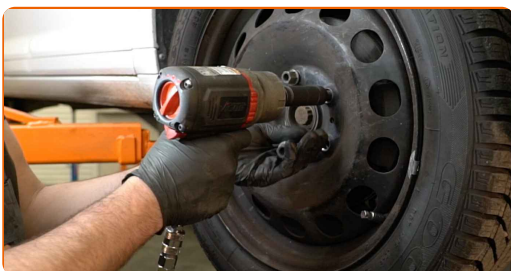
3 Loosen the wheel mounting bolts. Use wheel impact socket #17.



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



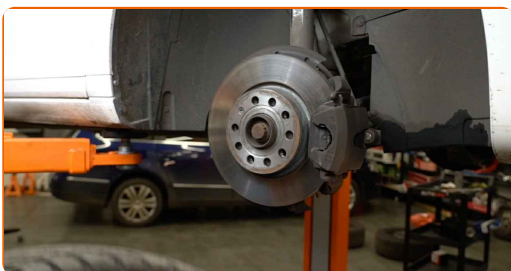
5 Unscrew the wheel bolts.



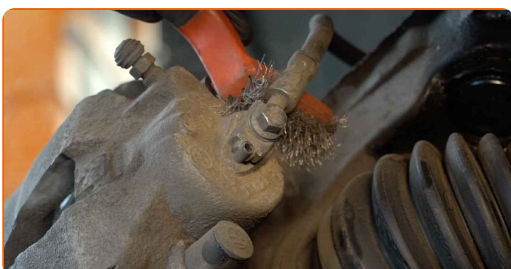
AUTODOC recommends:

- To avoid injury, hold up the wheel when unscrewing the bolts.

6 Remove the wheel.



7 Clean the area where the brake hose is connected to the brake caliper and to the brake circuit pipe. Use a wire brush. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake caliper – Audi A3 8PA. After applying the spray, wait a few minutes.

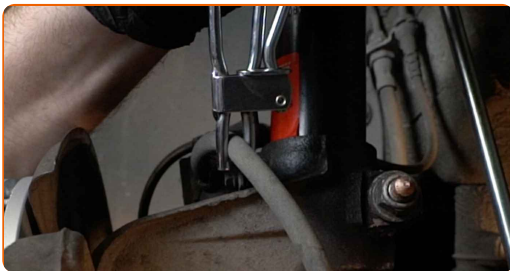
8

Put a container for gathering brake fluid beneath.



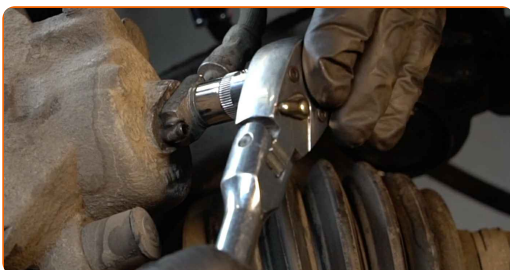
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Clamp the brake hose off using a brake hose clamp.



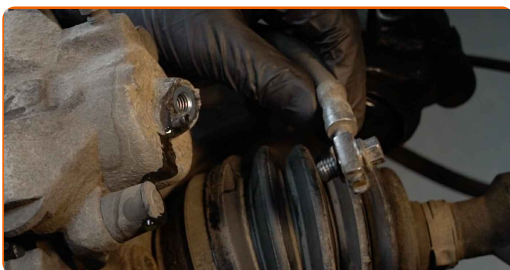
10

Unscrew the brake hose from the brake caliper. Use a drive socket #11. Use a ratchet wrench.



11

Remove the brake hose.



12

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



13

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



14

Remove the brake caliper.



Replacement: brake caliper – Audi A3 8PA. AUTODOC recommends:

- 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.

15 Remove the brake pads. Use a crowbar.



16 Install the brake pads.



Replacement: brake caliper – Audi A3 8PA. AUTODOC experts recommend:

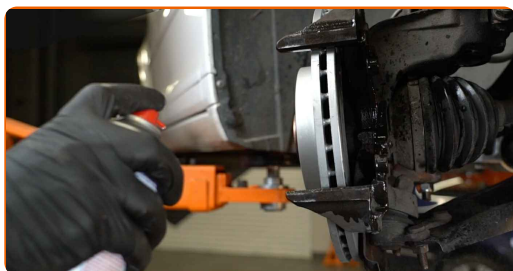
- If going to use the old brake pads, clean them.
- Use a wire brush.

17 Treat the brake pads in the area where their surface comes into contact with the brake caliper bracket. Use anti-squeal paste.



18

Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.

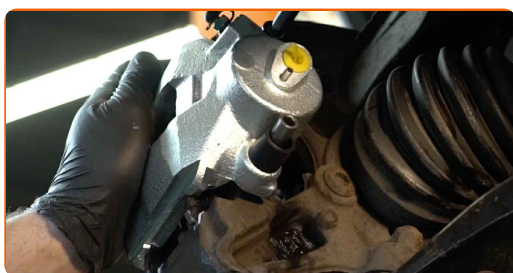


Replacement: brake caliper – Audi A3 8PA. Tip:

- After applying the spray, wait a few minutes.

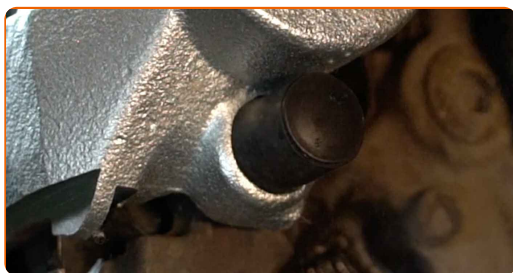
19

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



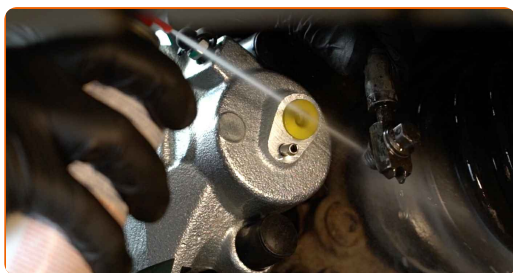
20

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



21

Treat the brake hose. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake caliper – Audi A3 8PA. After applying the spray, wait a few minutes.

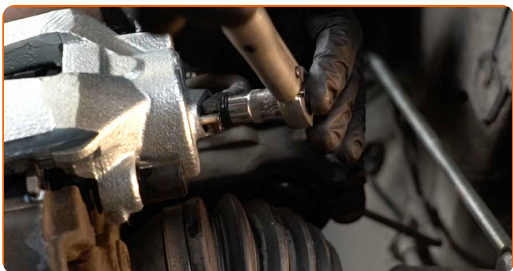
22

Install and fix the brake hose into a new caliper.



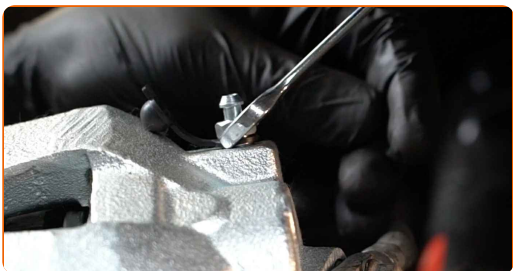
23

Tighten the fastener connecting the brake pipe to the brake caliper. Use a drive socket #11. Use a torque wrench. Tighten it to 35 Nm torque.



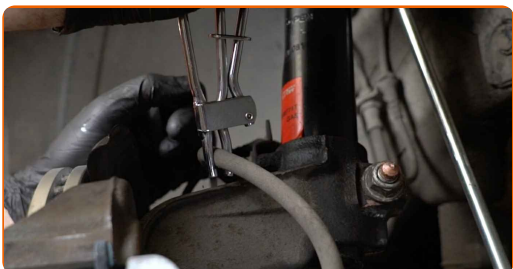
24

Undo the brake bleeder screw. Use a combination spanner #11.

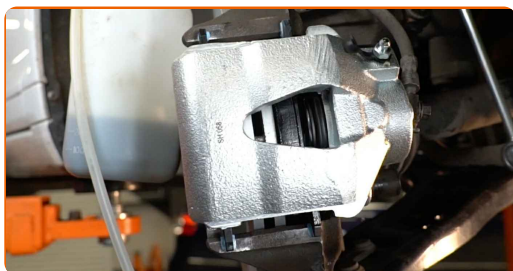


25

Remove the brake hose clamp.



26 Connect the brake bleeder kit to the brake bleeder screw.



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



28 Tighten the brake bleeder screw. Use a combination spanner #11.



29 Disconnect the brake bleeder kit.



30 Tighten the brake caliper bleed screw. Use a drive socket #11. Use a torque wrench. Tighten it to 9 Nm torque.



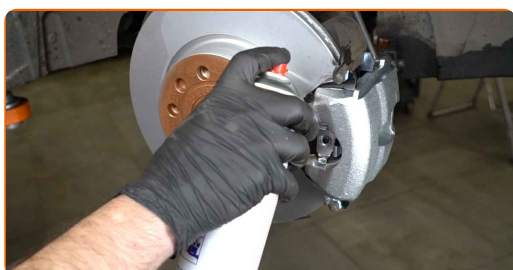
31

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



32

Clean the brake disk surface. Use a brake cleaner.

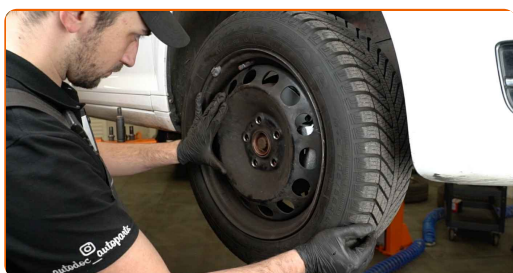


Replacement: brake caliper – Audi A3 8PA. Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

33

Install the wheel.



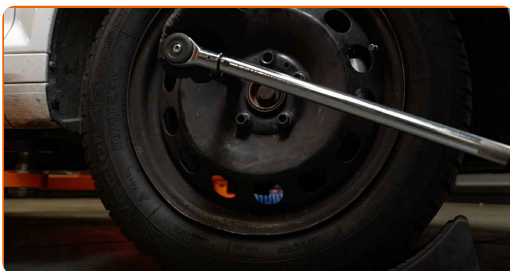
AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Audi A3 8PA

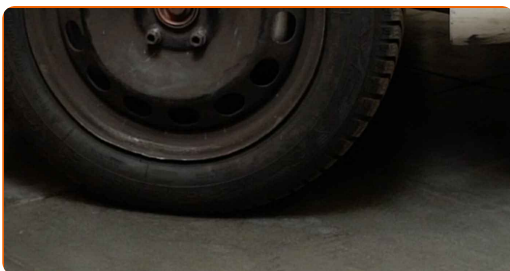
34 Screw in the wheel bolts. Use wheel impact socket #17.



35 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.



36 Remove the jacks and chocks.



Replacement: brake caliper – Audi A3 8PA. AUTODOC recommends:

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

37

Tighten the brake fluid reservoir cap. Close the hood.



WELL DONE! 

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