



How to change rear
brake caliper on **VW**
Derby (86C, 80) –
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 Derby (86C, 80) 1.0

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 A3 Sportback (8PA) 1.2 TSI

REPLACEMENT: BRAKE CALIPER – VW DERBY (86C, 80). TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #11
- Combination spanner #13
- Combination spanner #15
- Drive socket # 11
- Drive socket # 13
- Wheel impact socket #17
- Torque wrench
- Crow bar
- Rubber mallet
- Fluid container
- Brake hose clip
- Water pump pliers
- Brake bleeder kit
- Wheel chock

Buy tools

Replacement: brake caliper – VW Derby (86C, 80). AUTODOC experts 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 – VW DERBY (86C, 80). TAKE THE FOLLOWING STEPS:

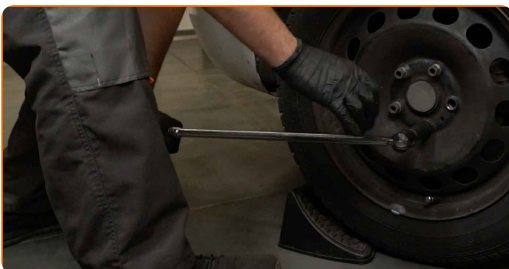
1 Open the bonnet. Unscrew the brake fluid reservoir cap.



2 Secure the wheels with chocks.



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



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

5 Unscrew the wheel bolts.



Replacement: brake caliper – VW Derby (86C, 80). AUTODOC recommends:

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

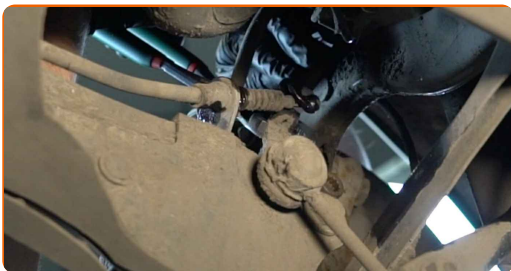
6 Remove the wheel.



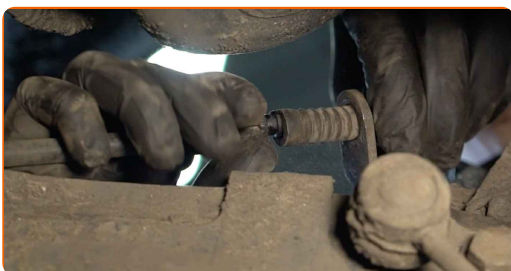
7 Clean the parking brake bracket. Use a wire brush. Use WD-40 spray.



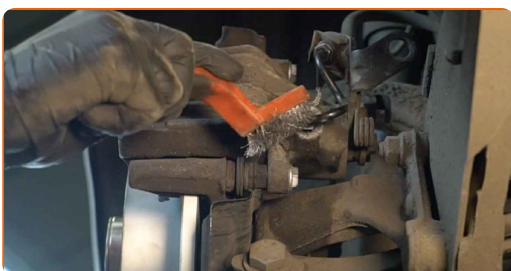
8 Press the parking brake actuator lever on the brake caliper.



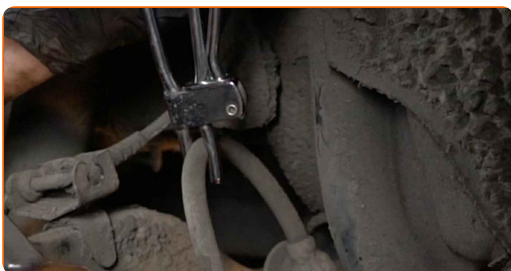
9 Release the parking brake cable. Use water pump pliers.



10 Clean the area where the brake hose is connected to the brake caliper and to the brake circuit pipe. Use a wire brush. Use WD-40 spray.



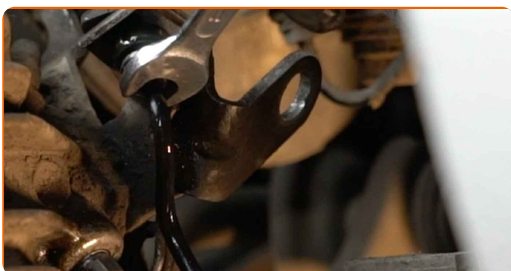
11 Clamp the brake hose off using a brake hose clamp.



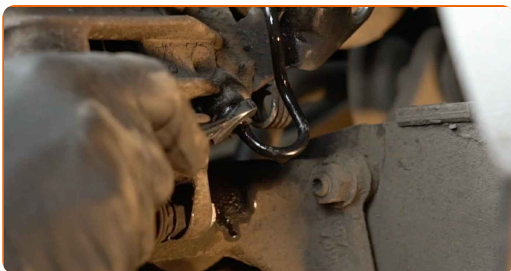
12 Put a container for gathering brake fluid beneath.



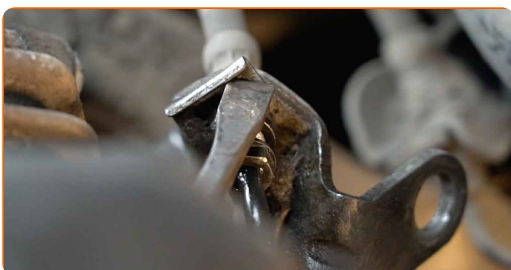
13 Unscrew the brake pipe from the brake hose. Use a combination spanner #11.



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



15 Remove the brake hose retaining clip. Use a crowbar.



16

Detach the brake pipe from the brake hose.



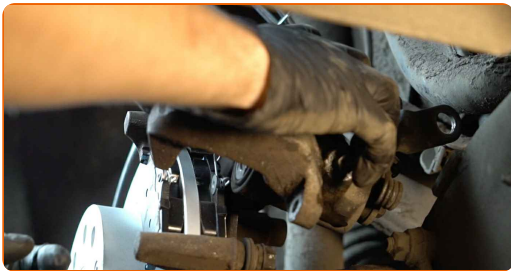
17

Unscrew the brake caliper fastening. Use a combination spanner #13. Use a combination spanner #15.



18

Remove the brake caliper.



Replacement: brake caliper – VW Derby (86C, 80). Professionals recommend:

- 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.

19

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

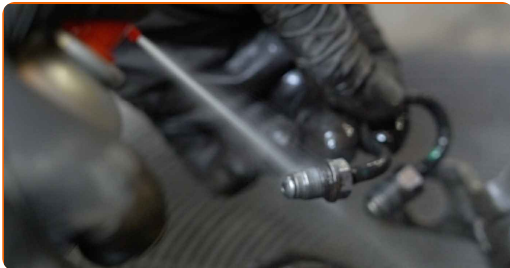


20

Detach the brake pipe from the brake caliper.

21

Treat the brake pipe. Use a brake cleaner.

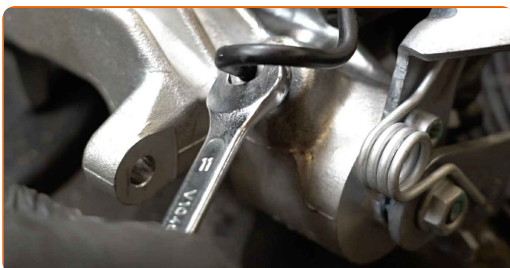


AUTODOC recommends:

- Replacement: brake caliper – VW Derby (86C, 80). After applying the spray, wait a few minutes.

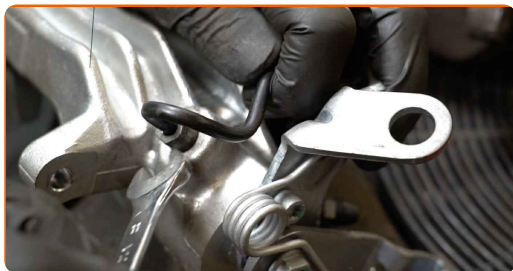
22

Reattach the brake pipe to the brake caliper.



23

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



24

Install the brake caliper and fix it. Use a combination spanner #13. Use a combination spanner #15.



25

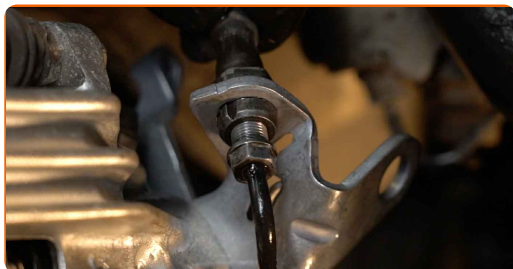
Treat the brake hose. Treat the brake pipe. Use a brake cleaner.



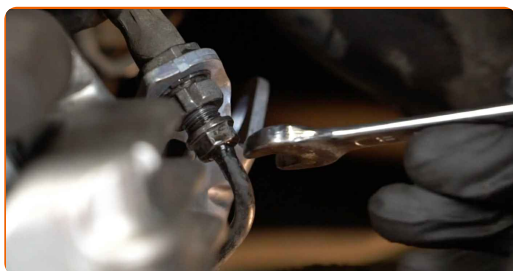
Replacement: brake caliper – VW Derby (86C, 80). Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

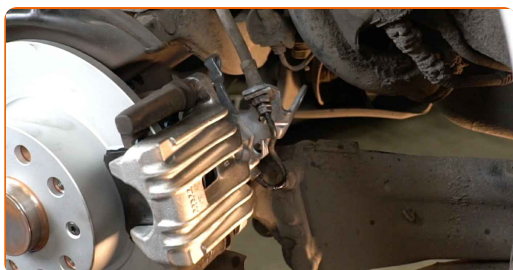
26 Reattach the brake pipe to the brake hose.



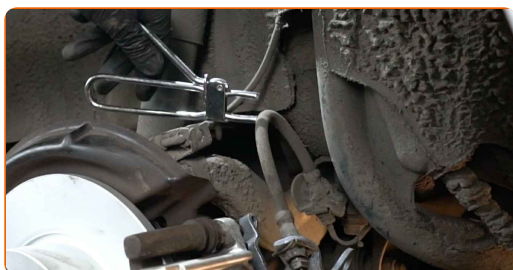
27 Screw in the fastener connecting the brake pipe to the brake hose. Use a combination spanner #11.



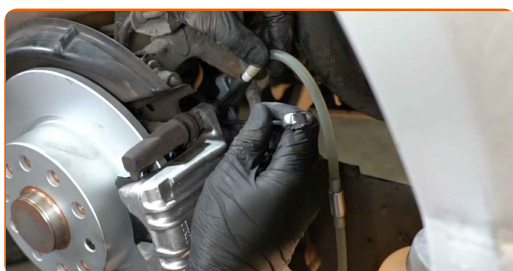
28 Install the brake hose retaining clip. Use a rubber mallet.



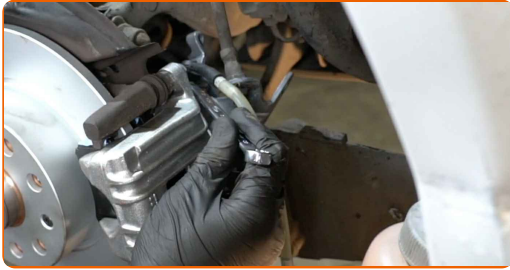
29 Remove the brake hose clamp.



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



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



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



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



34 Disconnect the brake bleeder kit.



35 Clean dirt from the brake hose bolt. Use a brake cleaner.

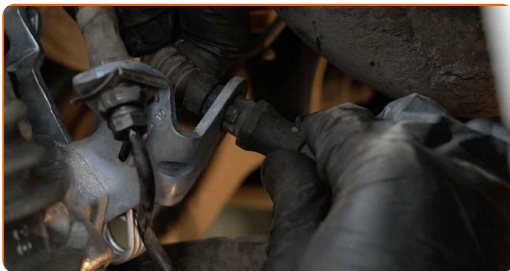


AUTODOC recommends:

- Replacement: brake caliper – VW Derby (86C, 80). After applying the spray, wait a few minutes.

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

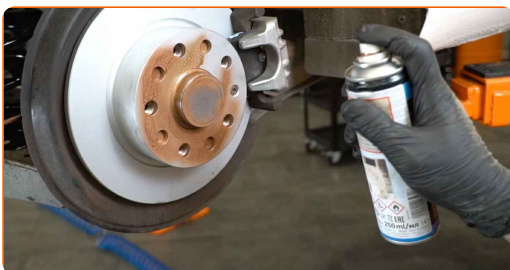
37 Install the parking brake cable into the brake caliper bracket. Use water pump pliers.



38 Tighten the brake caliper fasteners. Use a drive socket #13. Use a torque wrench. Tighten it to 35 Nm torque.



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



40

Clean the brake disk surface. Use a brake cleaner.

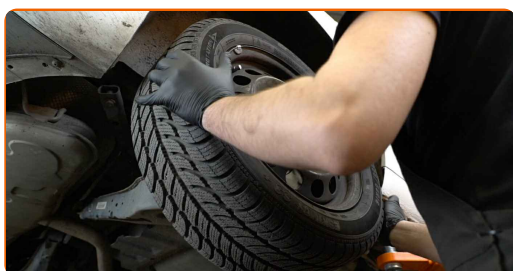


Replacement: brake caliper – VW Derby (86C, 80). Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

41

Install the wheel.

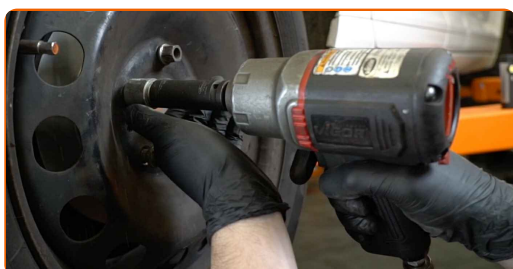


Replacement: brake caliper – VW Derby (86C, 80). Tip from AUTODOC:

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

42

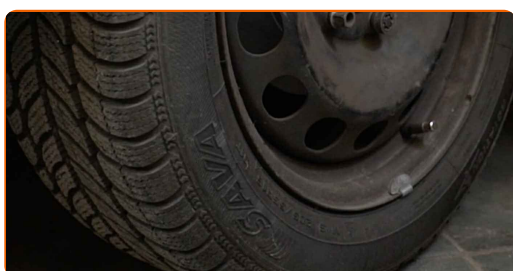
Screw in the wheel bolts. Use wheel impact socket #17.



- 43 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.



- 44 Remove the jacks and chocks.



AUTODOC recommends:

- Important! Replacement: brake caliper – VW Derby (86C, 80). Check the brake fluid level in the reservoir and top up if necessary.

- 45 Tighten the brake fluid reservoir cap. Close the hood.



WELL DONE! 

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BRAKE CALIPER: A WIDE SELECTION

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