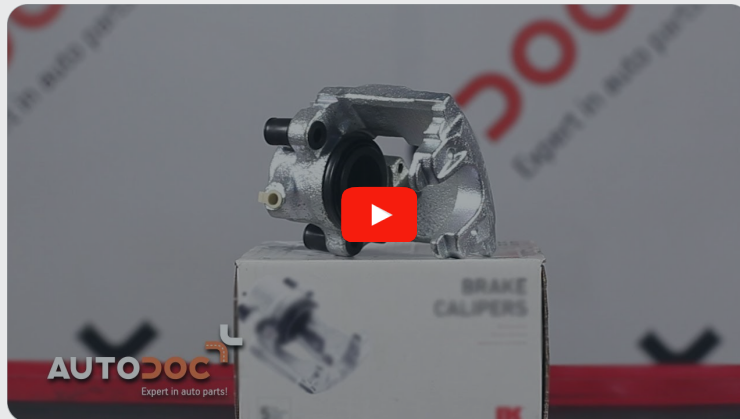




How to change front  
brake caliper on  
**MERCEDES-BENZ SLK**  
**(R170)** – replacement  
guide

### SIMILAR VIDEO TUTORIAL



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

### **Important!**

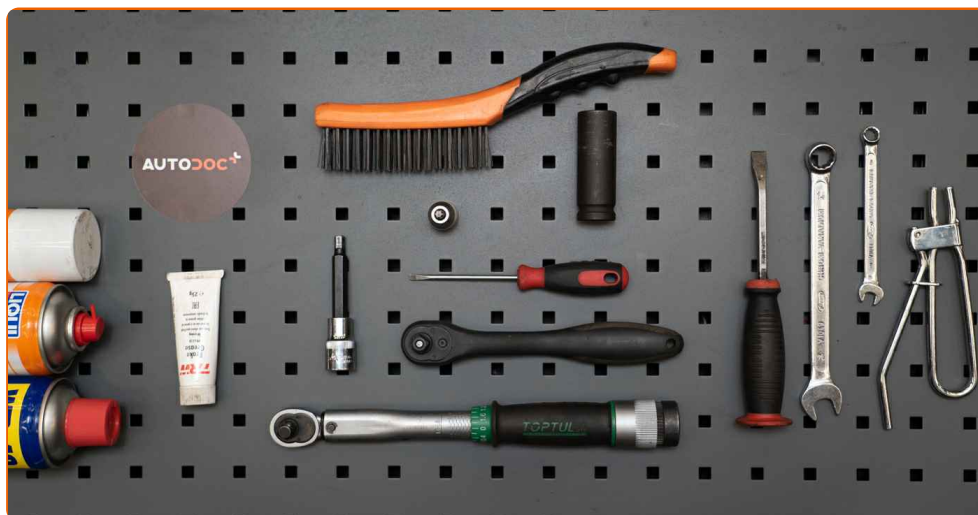
This replacement procedure can be used for:

MERCEDES-BENZ SLK (R170) 200 2.0 (170.435), MERCEDES-BENZ SLK (R170) 230 2.3 Kompressor (170.447), MERCEDES-BENZ SLK (R170) 200 2.0 Kompressor (170.445), MERCEDES-BENZ SLK (R170) 200 2.0 Kompressor (170.444), MERCEDES-BENZ SLK (R170) 230 2.3 Kompressor (170.449)

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: MERCEDES-BENZ E-Class Saloon (W210) E 200 (210.035)

**REPLACEMENT: BRAKE CALIPER – MERCEDES-BENZ  
SLK (R170). TOOLS YOU NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Brake caliper guide pins grease
- Copper grease
- HEX bit no.H7
- Torx bit T30
- Combination spanner #8
- Flare nut spanner №14
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Flat Screwdriver
- Crow bar
- Brake hose clip
- Brake bleeder kit
- Wheel chock

**Buy tools**

Replacement: brake caliper – MERCEDES-BENZ SLK (R170). Professionals recommend:

- The replacement procedure is identical for the left and right brake calipers on the same axle.
- Please note: all work on the car – MERCEDES-BENZ SLK (R170) – should be done with the engine switched off.

## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

**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:**

- Important! Hold the wheel while unscrewing the fastening bolts. MERCEDES-BENZ SLK (R170)

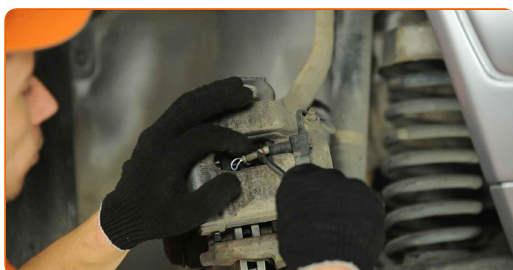
**6** Remove the wheel.



**7** Detach the brake caliper retaining spring. Use a flat screwdriver.



**8** Disconnect the brake pad wear sensor plug. Use a flat screwdriver.



9

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



10

Disconnect the brake pads wear sensor. Use Torx T30. Use a ratchet wrench.

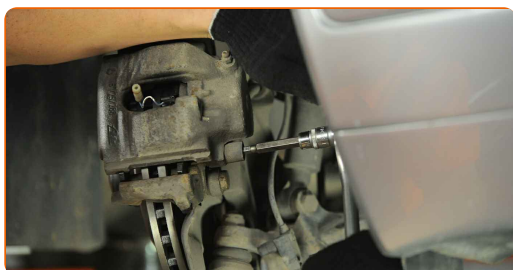


11

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

12

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



13

Remove the guide pins from the brake caliper.

14

Spread the brake pads. Use a crowbar.



**15**

Remove the brake caliper.



**Replacement: brake caliper – MERCEDES-BENZ SLK (R170). 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.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.
- 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.

**16**

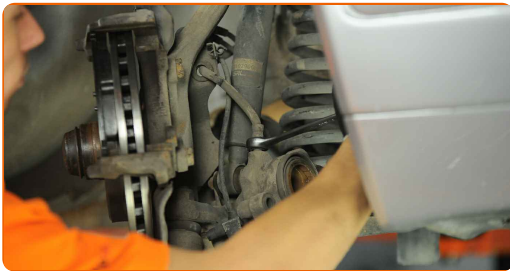
Remove the brake pads.



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



**18** Unscrew the brake hose from the brake caliper. Use a flare nut spanner #14.



**19** Disconnect the brake hose.



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

**AUTODOC recommends:**

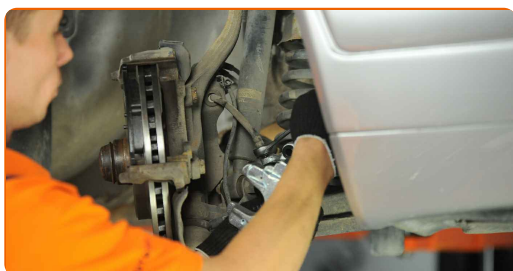
- Replacement: brake caliper – MERCEDES-BENZ SLK (R170). After applying the spray, wait a few minutes.



**21** Install and fix the brake hose into a new caliper. Use a flare nut spanner #14.



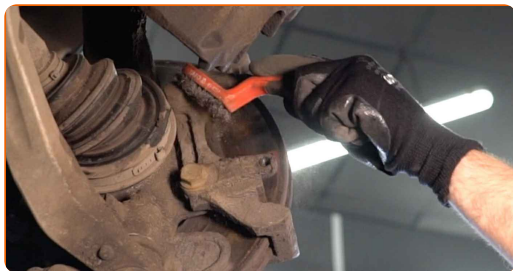
**22** Tighten the fastener connecting the brake pipe to the brake caliper. Use a flare nut spanner #14. Use a torque wrench. Tighten it to 18 Nm torque.



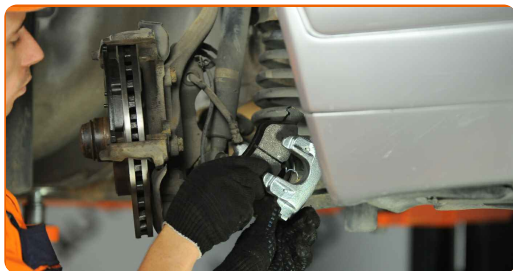
**23** Remove the brake hose clamp.



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



**25** Install the brake pads.



Replacement: brake caliper – MERCEDES-BENZ SLK (R170). AUTODOC experts recommend:

- If going to use the old brake pads, clean them.

**26** Install the brake caliper and fix it.



**27** Clean the brake caliper guide pins.

**28** Treat the brake caliper guide pins. Use the brake caliper guide pin grease.



Replacement: brake caliper – MERCEDES-BENZ SLK (R170). Tip:

- If no new guide pins were supplied in a kit with the new brake calipers, use the old pins.

29

Screw in the guide pins.



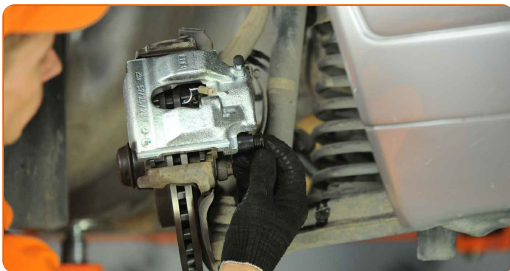
30

Tighten the brake caliper fasteners. Use HEX No.H7. Use a torque wrench. Tighten it to 35 Nm torque.

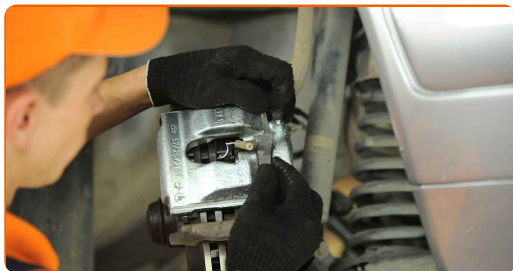


31

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



**32** Connect the brake pads wear sensor. Use Torx T30. Use a ratchet wrench.



**33** Connect the brake pad wear sensor plug. Use a flat screwdriver.

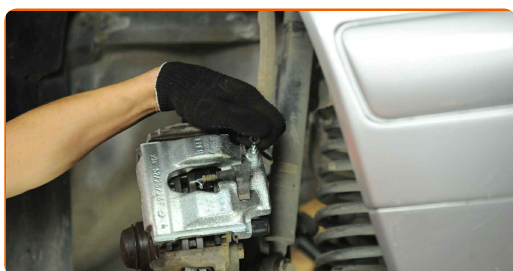


**34** Install the brake caliper retaining spring. Use a flat screwdriver.



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

**36** Undo the brake bleeder screw. Use a combination spanner #8.



- 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 caliper bleed screw. Use a combination spanner #8. Use a torque wrench. Tighten it to 7 Nm torque.



- 39** Disconnect the brake bleeder kit.

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



**AUTODOC recommends:**

- Replacement: brake caliper – MERCEDES-BENZ SLK (R170). After applying the spray, wait a few minutes.

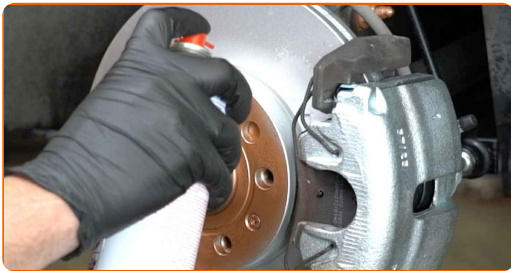
**41**

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



**42**

Clean the brake disk surface. Use a brake cleaner.



Replacement: brake caliper – MERCEDES-BENZ SLK (R170). AUTODOC experts recommend:

- After applying the spray, wait a few minutes.

**43**

Install the wheel.



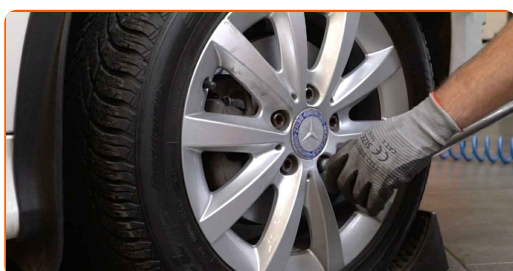
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. MERCEDES-BENZ SLK (R170)

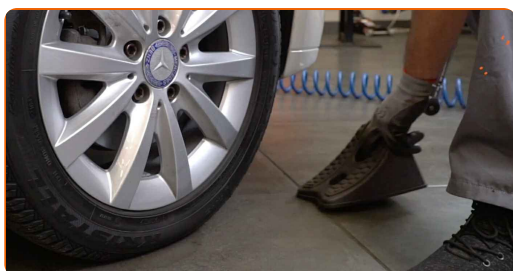
**44** Screw in the wheel bolts. Use wheel impact socket #17.



**45** 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 110 nm torque.



**46** Remove the jacks and chocks.



Replacement: brake caliper – MERCEDES-BENZ SLK (R170). AUTODOC recommends:

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

**47** Tighten the brake fluid reservoir cap. Close the hood.

Replacement: brake caliper – MERCEDES-BENZ SLK (R170). Tip:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.

**WELL DONE!** 

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