



How to change rear
brake caliper repair kit on
MERCEDES-BENZ W124
Estate (S124) –
replacement guide

SIMILAR VIDEO TUTORIAL



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

Important!

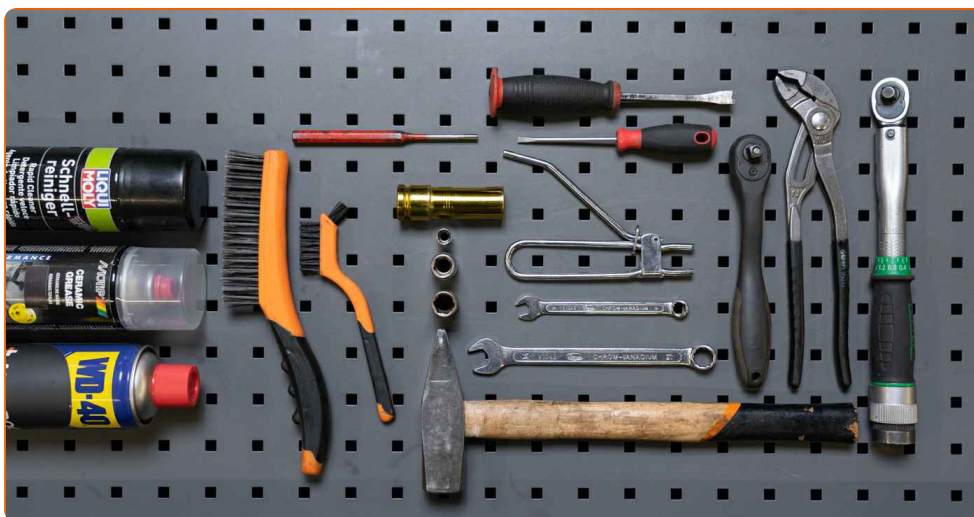
This replacement procedure can be used for:

MERCEDES-BENZ W124 Estate (S124) 230 TE 2.3 (124.083), MERCEDES-BENZ W124 Estate (S124) 300 TE 3.0 (124.090), MERCEDES-BENZ W124 Estate (S124) 300 D 3.0 (124.190), MERCEDES-BENZ W124 Estate (S124) 300 Turbo diesel 3.0 4-matic (124.393), MERCEDES-BENZ W124 Estate (S124) 260 TE 2.6 FGST., MERCEDES-BENZ W124 Estate (S124) 260 TE FGST. 2.6, MERCEDES-BENZ W124 Estate (S124) 220 TE 2.2 (124.082), MERCEDES-BENZ W124 Estate (S124) 250 2.5 Turbo diesel (124.188)

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 (W124) E 250 D (124.126, 124.129)

**REPLACEMENT: BRAKE CALIPER REPAIR KIT –
MERCEDES-BENZ W124 ESTATE (S124). TOOLS YOU
MIGHT NEED:**



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- All-purpose cleaning spray
- Brake cleaner
- Ceramic grease
- Torque wrench
- Combination spanner #9
- Combination spanner #14
- Drive socket # 9
- Drive socket # 14
- Drive socket # 17
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Brake hose clip
- Brake bleeder kit
- Water pump pliers
- Pin punch
- Hammer
- Crow bar
- Flat screwdriver
- Wheel chock

Buy tools

Replacement: brake caliper repair kit – MERCEDES-BENZ W124 Estate (S124).

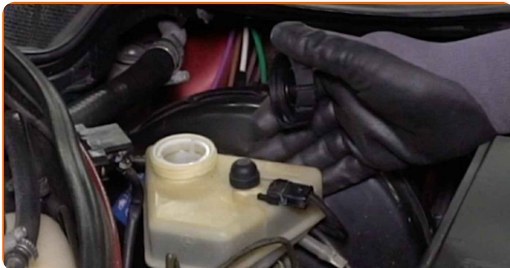
Tip:

- 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 REPAIR KIT – MERCEDES-BENZ W124 ESTATE (S124). TAKE THE FOLLOWING STEPS:

1 Open the bonnet.

2 Unscrew the brake fluid reservoir cap.



3 Secure the wheels with chocks.

4 Loosen the wheel bolts. Use wheel impact socket #17. Use a tap wrench.



5 Raise the car.

AUTODOC recommends:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

6

Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. MERCEDES-BENZ W124 Estate (S124)

7

Remove the wheel.



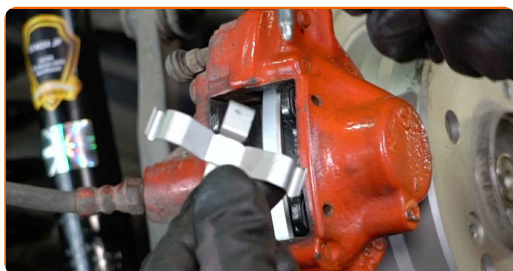
8

Clean the brake pad guide pins. Use a wire brush. Use all-purpose cleaning spray.

9 Remove the brake pad guide pins. Use a pin punch. Use a hammer.



10 Remove the retaining spring of the brake pads.



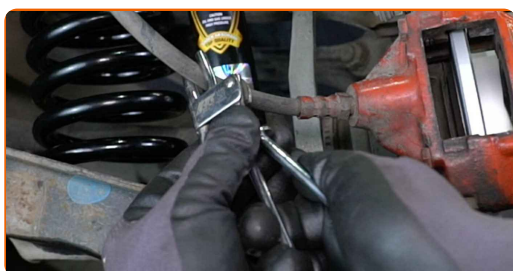
11 Spread the brake pads. Use a crowbar (2 pieces).



12 Remove the brake pads.



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



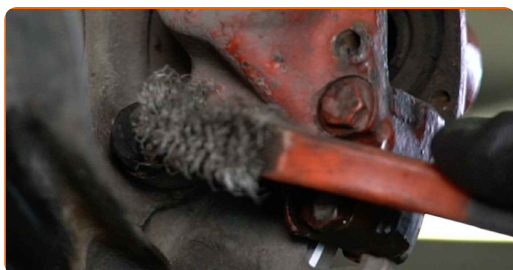
14 Clean the mounting seat of the brake hose on the brake caliper. Use a wire brush. Use WD-40 spray.



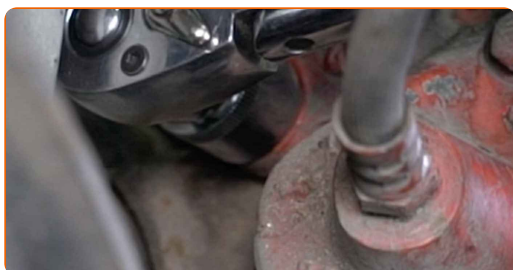
15 Loosen the brake hose fastener. Use a combination spanner #14.



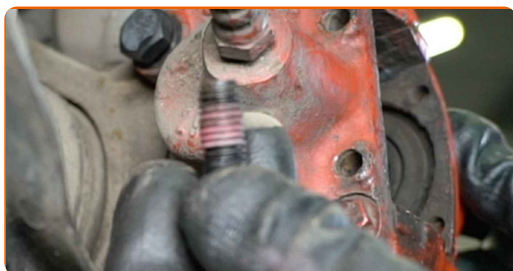
16 Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.



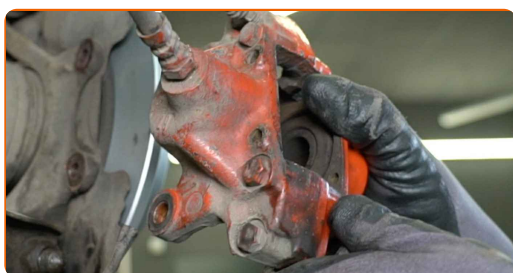
17 Unscrew the brake caliper fasteners. Use a drive socket #17. Use a ratchet wrench.



18 Remove the fastening bolts.



19 Remove the brake caliper.



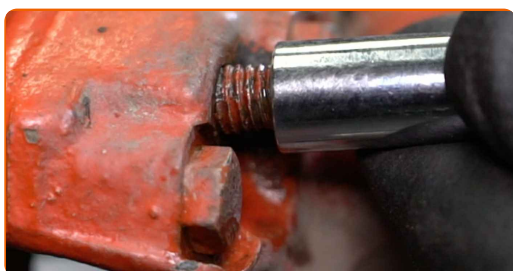
20 Unscrew the brake hose from the brake caliper.



21 Clean the brake bleeder screw. Use a wire brush. Use WD-40 spray.



22 Undo the brake bleeder screw. Use a drive socket #9. Use a ratchet wrench.



- 23 Unscrew the fasteners connecting the two parts of the brake caliper. Use a drive socket #14. Use a ratchet wrench.



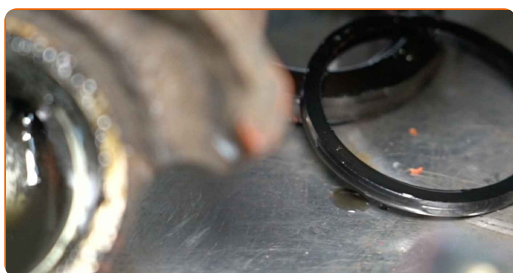
- 24 Remove the fastening bolts.



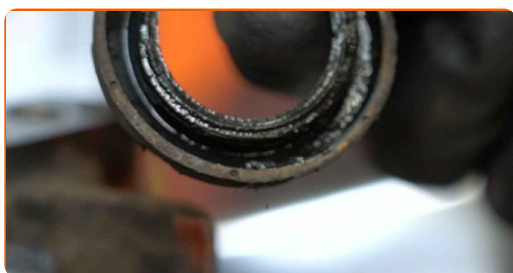
- 25 Separate the two parts of the caliper from each other.



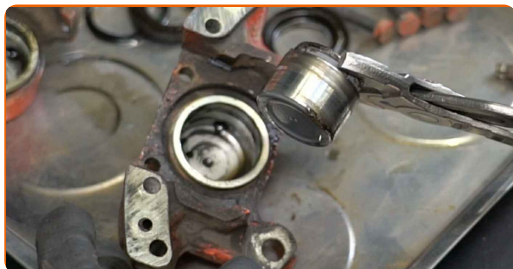
- 26 Remove the o-rings. Use a flat screwdriver.



- 27 Remove the dust boots of the brake caliper pistons. Use a flat screwdriver.



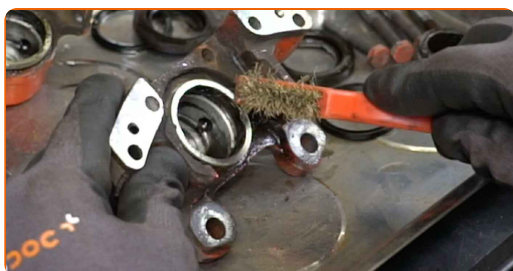
28 Remove the brake caliper pistons. Use water pump pliers.



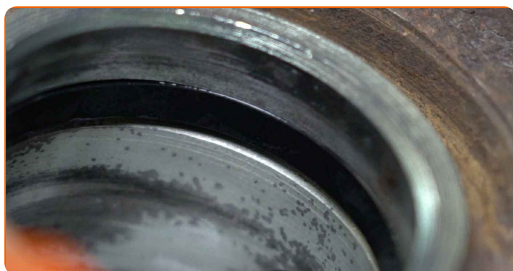
29 Remove the piston O-rings. Use a flat screwdriver.



30 Clean the mounting seats of the pistons and related components. Use a wire brush. Use a nylon cleaning brush. Use all-purpose cleaning spray.



31 Install new caliper piston O-rings.



32 Fit dust boots on new brake caliper pistons.



Replacement: brake caliper repair kit – MERCEDES-BENZ W124 Estate (S124).
AUTODOC recommends:

- Treat the pistons and their seats with brake fluid to prevent scoring on the walls of the cylinders during installation.

33 Install the new brake caliper pistons.

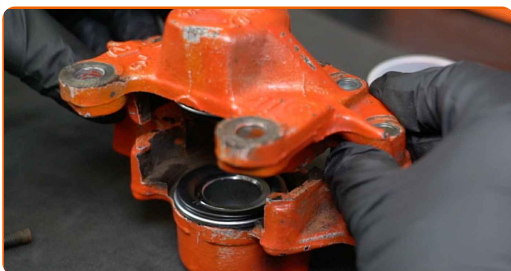


34 Install dust boot retaining rings.



35 Install new o-rings.

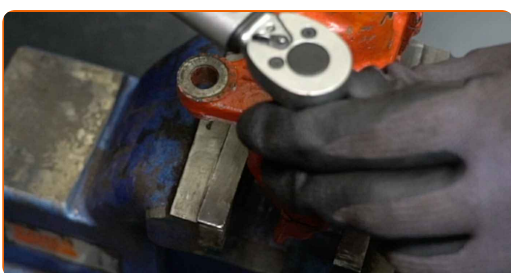
36 Join the two parts of the caliper together.



37 Install the fastening bolts.



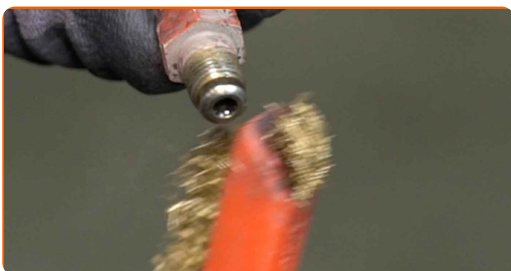
38 Tighten the fasteners connecting the two parts of the caliper. Use a drive socket #14. Use a torque wrench. Tighten it to 35 Nm torque.



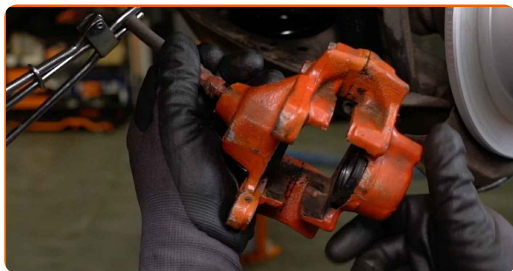
39 Tighten the brake bleeder screw.



40 Clean the area where the brake hose connects to the caliper. Use a wire brush. Use all-purpose cleaning spray.



41 Screw the brake hose into the caliper.



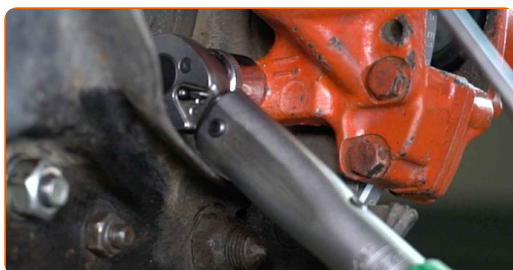
42 Install the brake caliper and fasten it.



43 Install the fastening bolts.



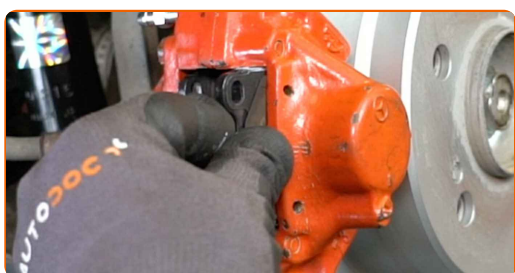
44 Tighten the brake caliper fasteners. Use a drive socket #17. Use a torque wrench. Tighten it to 65 Nm torque.



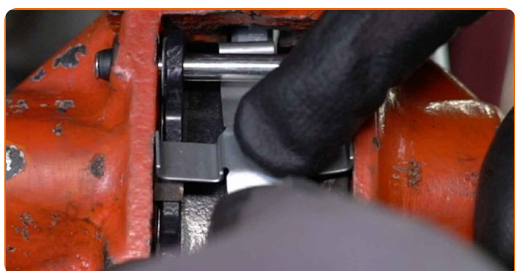
- 45 Tighten the fastener connecting the brake pipe to the brake caliper. Use a combination spanner #14. Use a torque wrench. Tighten it to 18 Nm torque.



- 46 Install the brake pads.



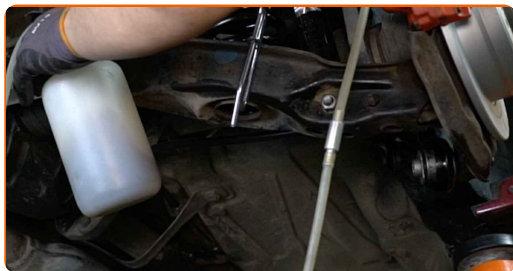
- 47 Install the retaining spring of the brake pads.



- 48 Install the brake pad guide pins. Use a pin punch. Use a hammer.



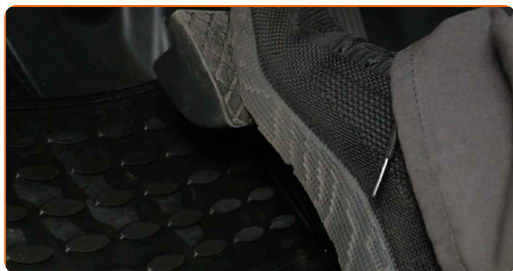
49 Connect the brake bleeder kit to the brake bleeder screw.



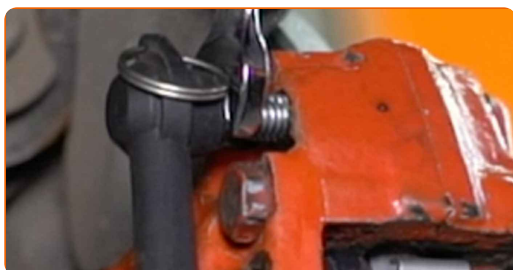
50 Remove the brake hose clamp.



51 Bleed the brake system.

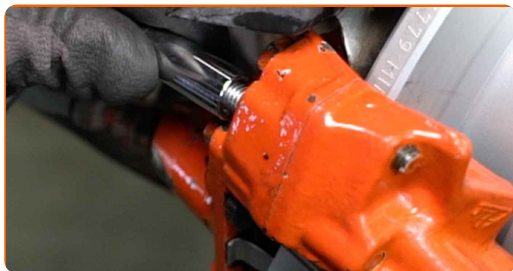


52 Tighten the bleeder screw. Use a combination spanner #9.



53 Disconnect the brake bleeder kit.

54 Tighten the brake caliper bleed screw. Use a drive socket #9. Use a torque wrench. Tighten it to 8 Nm torque.



55 Attach the brake caliper bleed screw cap.



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



57 Clean the brake disk surface. Use a brake cleaner.

58 Install the wheel.



Replacement: brake caliper repair kit – MERCEDES-BENZ W124 Estate (S124).
AUTODOC experts recommend:

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

59

Screw in the wheel bolts. Use wheel impact socket #17. Use a ratchet wrench.



60

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.



61

Remove the jacks and chocks.



AUTODOC recommends:

- Important! Replacement: brake caliper repair kit – MERCEDES-BENZ W124 Estate (S124). Check the brake fluid level in the reservoir and top up if necessary.

62

Tighten the brake fluid reservoir cap.



63

Close the bonnet.

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BRAKE CALIPER REPAIR KIT: A WIDE SELECTION

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