



How to change  
handbrake shoe 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:

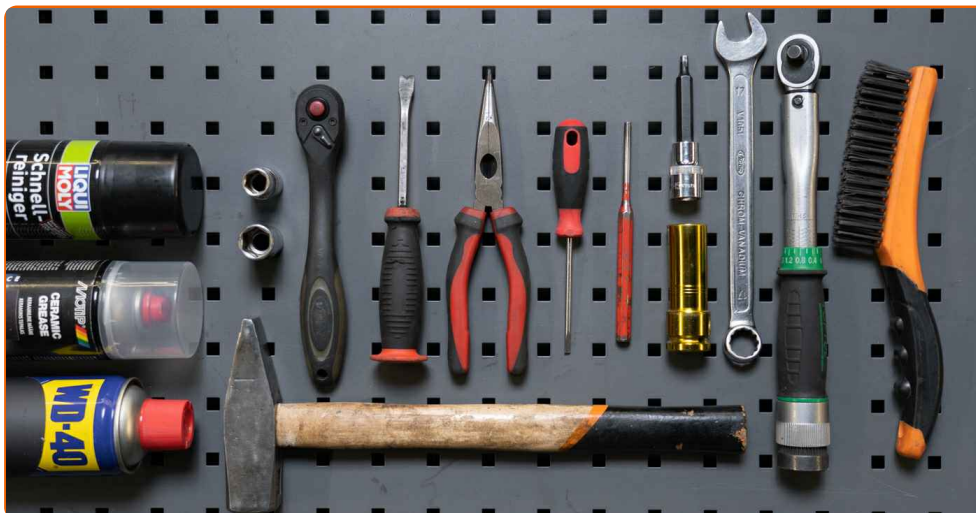
MERCEDES-BENZ W124 Estate (S124) 200 2.0 (124.080), MERCEDES-BENZ W124 Estate (S124) 200 TE 2.0 (124.081), MERCEDES-BENZ W124 Estate (S124) 200 TE 2.0, MERCEDES-BENZ W124 Estate (S124) 230 TE 2.3 KAT (124.083), MERCEDES-BENZ W124 Estate (S124) 230 TE 2.3 (124.083), MERCEDES-BENZ W124 Estate (S124) 300 TE 3.0 4-matic (124.290), MERCEDES-BENZ W124 Estate (S124) 300 TE 3.0 (124.090), MERCEDES-BENZ W124 Estate (S124) 200 D 2.0 (124.180), MERCEDES-BENZ W124 Estate (S124) 250 D 2.5 (124.185), 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) 300 TE-24 3.0 (124.091), 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), (+ 7)

The steps may slightly vary depending on the car design.

Please note that this tutorial was created based on the replacement procedure for this car part on a car with a similar 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: HANDBRAKE SHOE – MERCEDES-BENZ W124 ESTATE (S124). TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- All-purpose cleaning spray
- Ceramic grease
- Torque wrench
- Combination spanner #17
- Drive socket # 13
- Drive socket # 17
- HEX bit No.H5
- Wheel impact socket #17
- Ratchet wrench
- Flat Screwdriver
- Pin punch
- Hammer
- Tap wrench
- Long nose pliers
- Crow bar
- Wheel chock

**Buy tools**

Replacement: handbrake shoe – MERCEDES-BENZ W124 Estate (S124). Tip from AUTODOC experts:

- All work should be done with the engine stopped.

## REPLACEMENT: HANDBRAKE SHOE – MERCEDES-BENZ W124 ESTATE (S124). RECOMMENDED SEQUENCE OF STEPS:

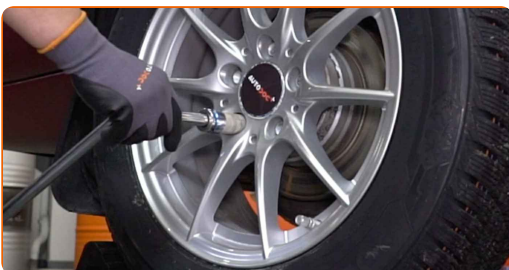
**1** Open the bonnet.

**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.



Replacement: handbrake shoe – MERCEDES-BENZ W124 Estate (S124).  
AUTODOC recommends:

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

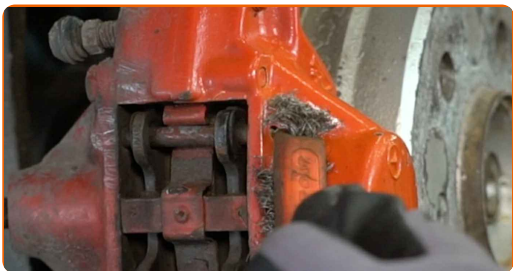
7

Remove the wheel.

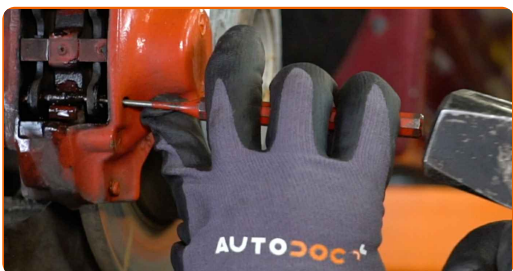


**8**

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

**9**

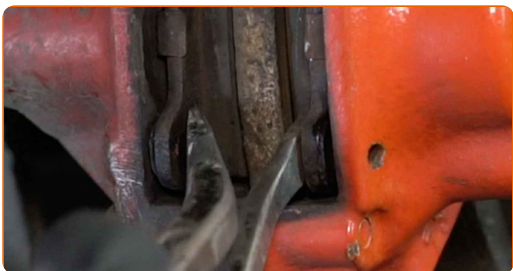
Remove the brake pad guide pins. Use a pin punch. Use a hammer.

**10**

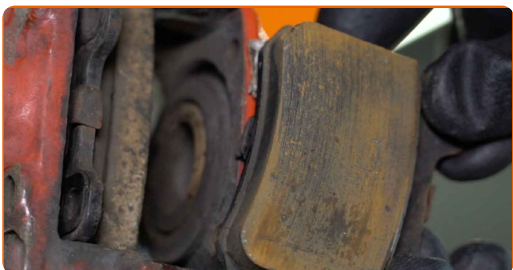
Remove the retaining spring of the brake pads.

**11**

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

**12**

Remove the brake pads.





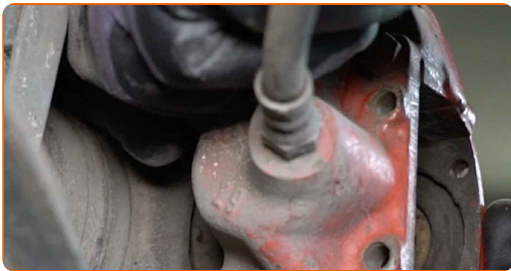
**13** Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.



**14** Unscrew the brake caliper fasteners. Use a combination spanner #17.



**15** Remove the fastening bolts.



**16** Remove the brake caliper.



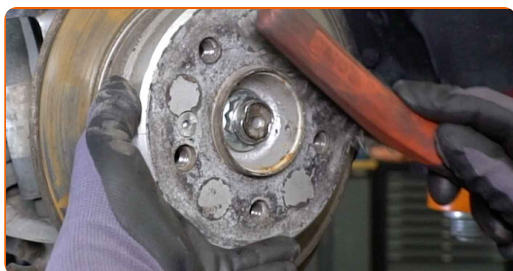


Replacement: handbrake shoe – MERCEDES-BENZ W124 Estate (S124). Tip:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- 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.

17

Clean the brake disc fastener. Use a wire brush. Use WD-40 spray.



18

Unscrew the brake disc fasteners. Use HEX No.H5. Use a ratchet wrench.



**19** Remove the fastening bolt.



**20** Release the parking brake adjuster. Use a flat screwdriver.



**21** Remove the brake disc.



**22** Remove the lower brake shoe return spring. Use a flat screwdriver.



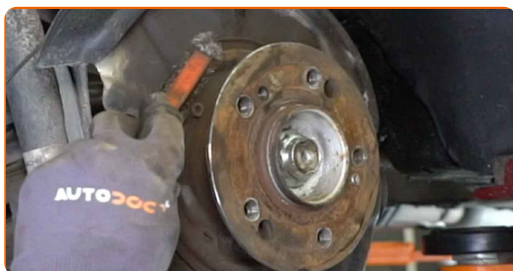
**23** Remove the hold-down springs of the parking brake shoes. Use long nose pliers.



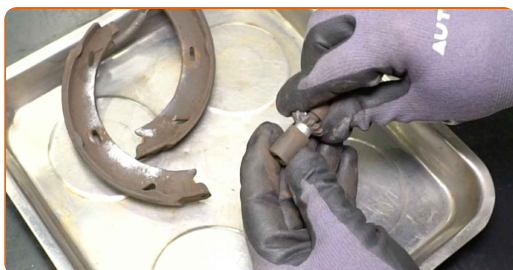
**24** Remove the parking brake shoes.



**25** Clean the mounting seats of the parking brake shoes. Use a wire brush. Use all-purpose cleaning spray.



**26** Remove the parking brake adjuster.



**27** Clean the parking brake adjuster. Use a wire brush. Use all-purpose cleaning spray.



**28** Remove the upper return spring.

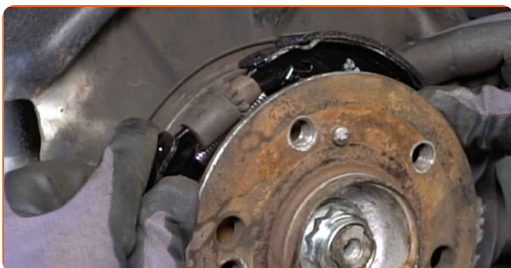
**29** Install the upper return spring.



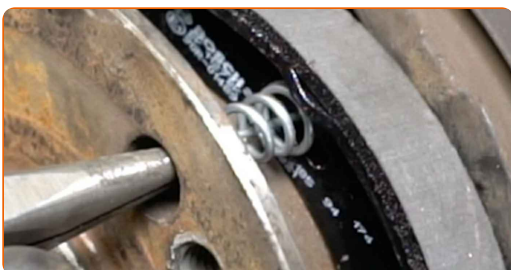
**30** Install the parking brake adjuster.



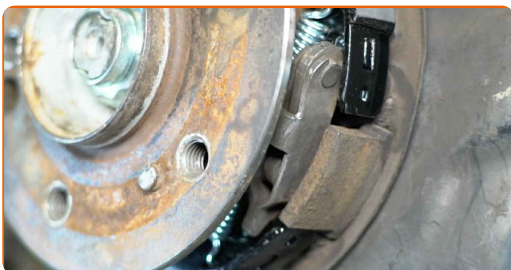
**31** Install new parking brake shoes.



**32** Install the hold-down springs of the parking brake shoes. Use long nose pliers.



**33** Install the lower return spring. Use a flat screwdriver.



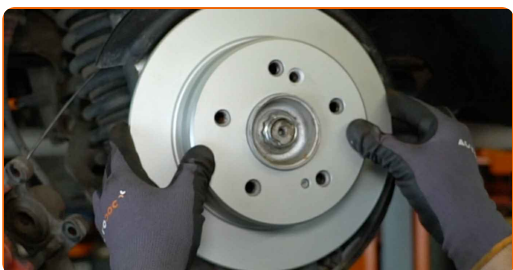
**34** Clean the wheel hub. Use a wire brush.



**35** Treat the contacting surface. Use ceramic grease.



**36** Install the brake disc.



**37** Install the fastening bolt.



**38** Tighten the brake disc fasteners. Use HEX No.H5. Use a torque wrench. Tighten it to 10 Nm torque.





**39** Set the parking brake adjuster in the correct position. Use a flat screwdriver.



**40** Install the brake caliper and fasten it.



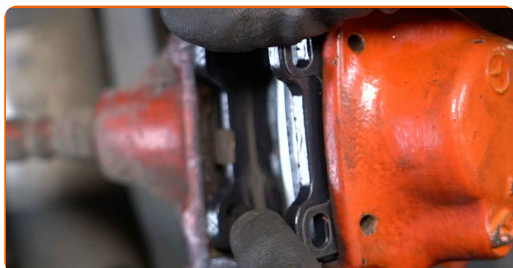
**41** Install the fastening bolts.



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



**43** Install the brake pads.



44 Install the retaining spring of the brake pads.



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



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



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



48 Install the wheel.





AUTODOC recommends:

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

49

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



50

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.



51

Remove the jacks and chocks.



## AUTODOC recommends:

- MERCEDES-BENZ W124 Estate (S124) – Press the brake pedal several times with the engine shut down until you feel the resistance built up.
- Check the brake fluid level in the expansion tank and top up if necessary.

52

Tighten the brake fluid reservoir cap.



53

Close the bonnet.

**WELL DONE!** [VIEW MORE TUTORIALS](#)

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**HANDBRAKE SHOE: A WIDE SELECTION**

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