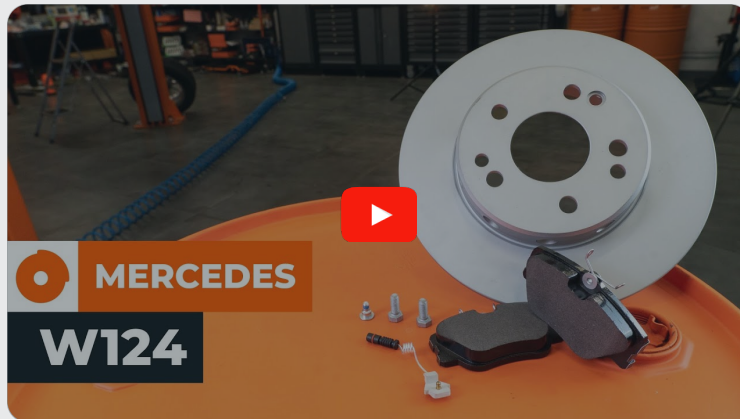




How to change front  
brake discs on  
**MERCEDES-BENZ W124**  
**Estate (S124)** –  
replacement guide

### SIMILAR VIDEO TUTORIAL



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

#### **i 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 (124.083), 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) 200 E 2.0, MERCEDES-BENZ W124 Estate (S124) 300 3.0 Turbo diesel

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 DISCS – MERCEDES-BENZ  
W124 ESTATE (S124). TOOLS YOU NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Dielectric grease
- Anti-squeal paste
- Ceramic grease
- Torque wrench
- Combination spanner #15
- Drive socket # 13
- Drive socket # 19
- HEX bit No.H5
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Crow bar
- Brake caliper wind back tool
- Wheel chock

**Buy tools**

**AUTODOC recommends:**

- Replace the brake disks on the car MERCEDES-BENZ W124 Estate (S124) in complete set for each axis. Regardless of the state of components. This will ensure even braking.
- The replacement procedure is identical for both brake disks on the same axle.
- When changing the brake discs, always replace the brake pads.
- Warning! Shut down the engine before starting any work – MERCEDES-BENZ W124 Estate (S124).

**CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:**

**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.

Replacement: brake discs – MERCEDES-BENZ W124 Estate (S124). Tip:

- 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** Detach the connector of the brake pad wear sensor.



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



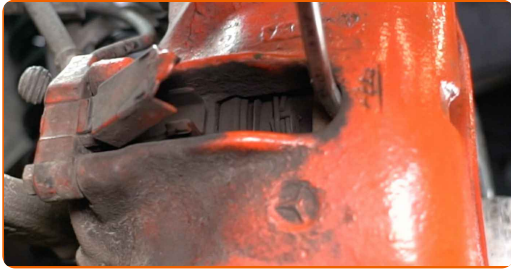
**10** Unscrew the brake caliper fasteners. Use a combination spanner #15. Use a drive socket #13. Use a ratchet wrench.



**11** Remove the fastening bolts.

**12**

Spread the brake pads. Use a crowbar.



**13**

Remove the brake caliper.



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

- 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.

**14**

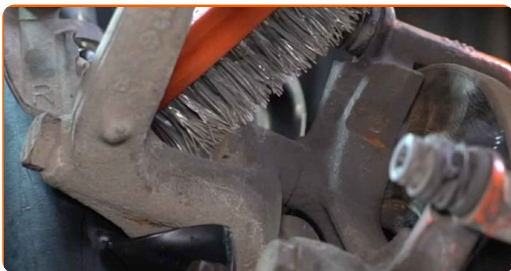
Remove the brake pads.



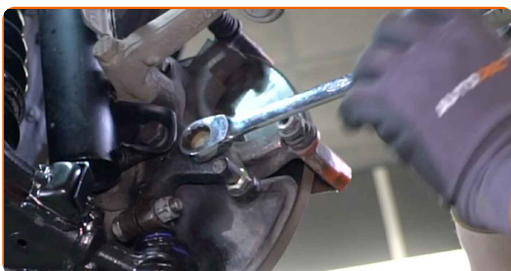


**15**

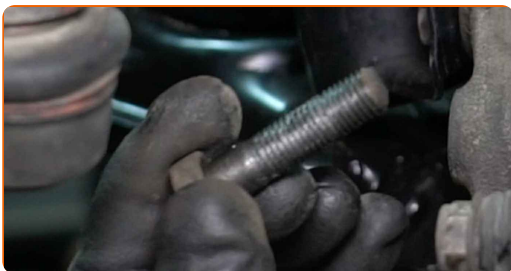
Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.

**16**

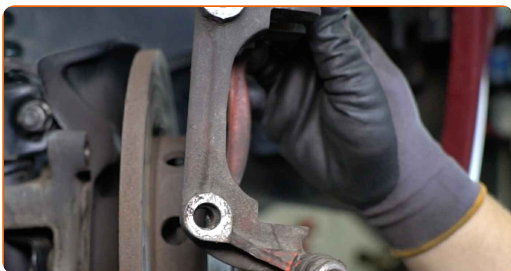
Unscrew the brake caliper bracket fasteners. Use a drive socket #19. Use a ratchet wrench.

**17**

Remove the fastening bolts.

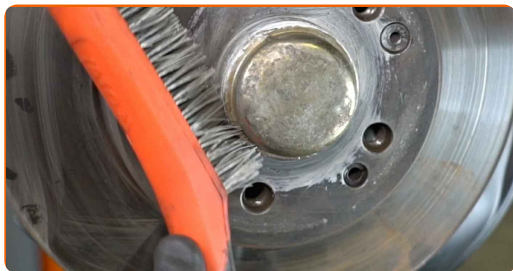
**18**

Remove the brake caliper bracket.

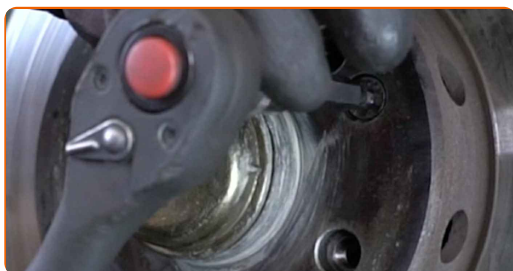




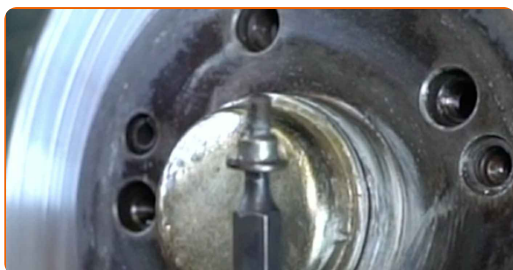
**19** Clean the brake disc fastener. Use a wire brush. Use WD-40 spray.



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



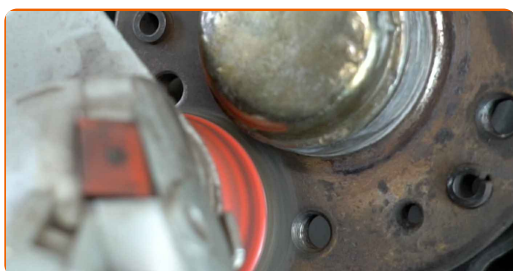
**21** Remove the fastening bolt.



**22** Remove the brake disc.



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



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



**25** Install a new brake disc.



**26** Install the fastening bolt.



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



**28** Clean the brake caliper bracket of dirt and dust. Use a wire brush. Use a brake cleaner.



**AUTODOC recommends:**

- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

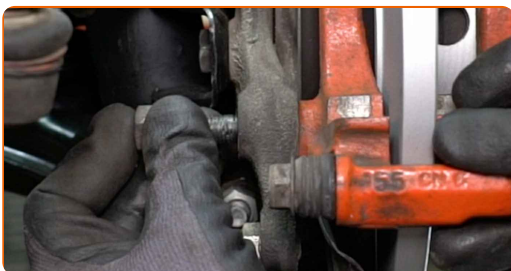
**29**

Install the brake caliper bracket.



**30**

Install the fastening bolts.



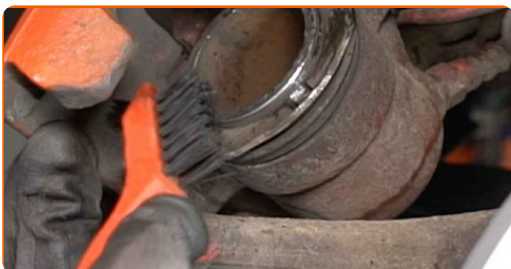
**31**

Tighten the brake caliper bracket fasteners. Use a drive socket #19. Use a torque wrench. Tighten it to 115 Nm torque.



**32**

Treat the brake caliper piston. Use a nylon cleaning brush. Use a brake cleaner.



**33** Press in the brake caliper piston. Use brake caliper wind back tool.



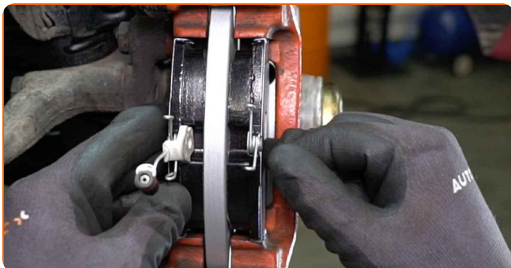
**34** Treat the brake pads in the area where their surface comes into contact with the brake caliper bracket. Use anti-squeal paste.



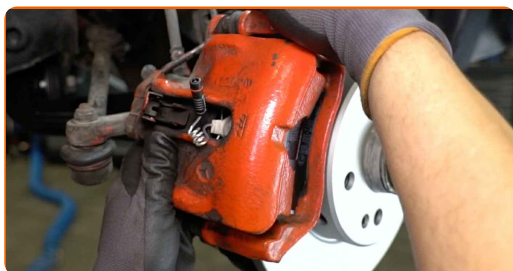
Replacement: brake discs – MERCEDES-BENZ W124 Estate (S124).  
Professionals recommend:

- Make sure the disc surface is clean before installing the pads.

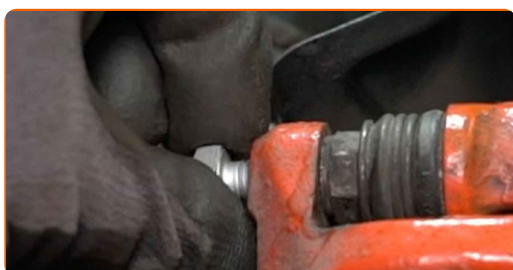
**35** Install the brake pads.



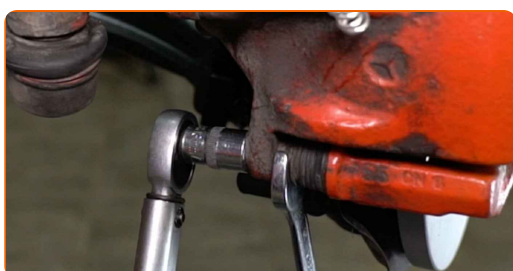
**36** Install the brake caliper and fasten it.



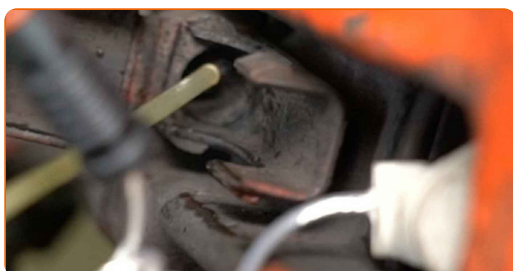
**37** Install the fastening bolts.



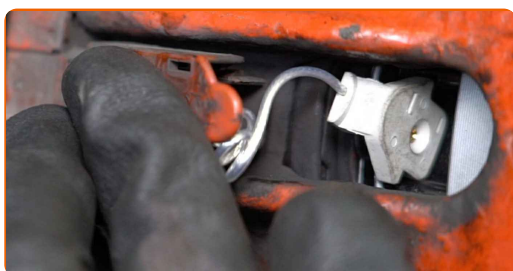
**38** Tighten the brake caliper fasteners. Use a combination spanner #15. Use a drive socket #13. Use a torque wrench. Tighten it to 35 Nm torque.



**39** Treat the brake pad wear sensor plug. Use dielectric grease.



**40** Attach the connector of the brake pad wear sensor.





41

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



42

Clean the brake disk surface. Use a brake cleaner.

43

Install the wheel.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. MERCEDES-BENZ W124 Estate (S124)

44

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



- 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 discs – MERCEDES-BENZ W124 Estate (S124). Tip from AUTODOC experts:**

- Without starting the engine, press the brake pedal several times until you feel significant resistance.
- Check the brake fluid level in the expansion tank and top up if necessary.

- 47** Tighten the brake fluid reservoir cap.





48

Close the bonnet.

**WELL DONE!** 

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