



How to change
handbrake shoe on
**MERCEDES-BENZ C-
Class T-modell (S203)** –
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:

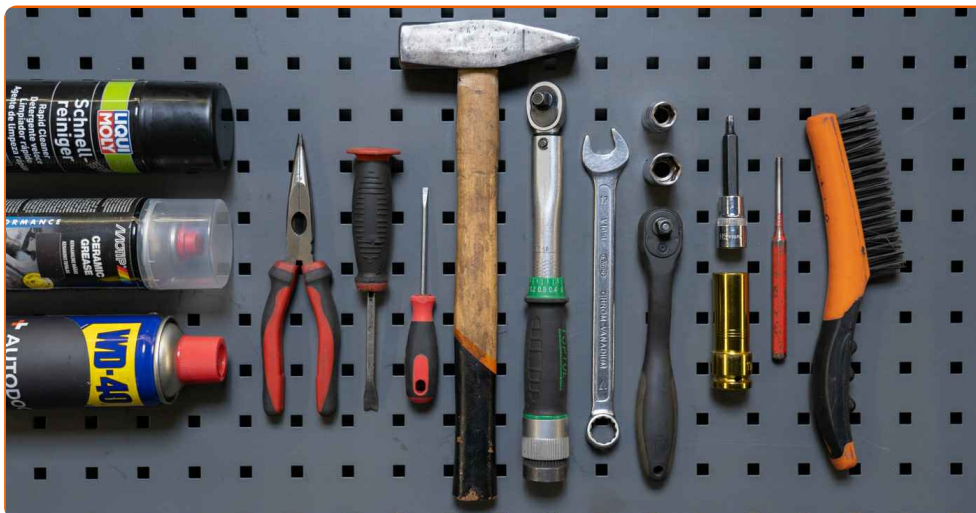
MERCEDES-BENZ C-Class T-modell (S203) C 220 CDI (203.208), MERCEDES-BENZ C-Class T-modell (S203) C 200 Kompressor (203.245), MERCEDES-BENZ C-Class T-modell (S203) C 320 (203.264), MERCEDES-BENZ C-Class T-modell (S203) C 200 CDI (203.204), MERCEDES-BENZ C-Class T-modell (S203) C 220 CDI (203.206, 203.208), MERCEDES-BENZ C-Class T-modell (S203) C 270 CDI (203.216), MERCEDES-BENZ C-Class T-modell (S203) C 180 (203.235), MERCEDES-BENZ C-Class T-modell (S203) C 240 (203.261), MERCEDES-BENZ C-Class T-modell (S203) C 32 AMG Kompressor (203.265), MERCEDES-BENZ C-Class T-modell (S203) C 180 Kompressor (203.246), MERCEDES-BENZ C-Class T-modell (S203) C 200 Kompressor (203.242), MERCEDES-BENZ C-Class T-modell (S203) C 240 4-matic (203.281), MERCEDES-BENZ C-Class T-modell (S203) C 320 4-matic (203.284), MERCEDES-BENZ C-Class T-modell (S203) C 30 CDI AMG (203.218), MERCEDES-BENZ C-Class T-modell (S203) C 200 CGI Kompressor (203.243), (+ 9)

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 190 (W201) 2.0 (201.023)

REPLACEMENT: HANDBRAKE SHOE – MERCEDES-BENZ C-CLASS T-MODELL (S203). TOOLS YOU 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 C-Class T-modell (S203).
Professionals recommend:

- All work should be done with the engine stopped.

REPLACEMENT: HANDBRAKE SHOE – MERCEDES-BENZ C-CLASS T-MODELL (S203). 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.

Replacement: handbrake shoe – MERCEDES-BENZ C-Class T-modell (S203).
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.

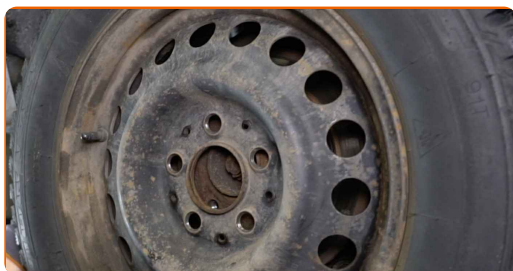
6 Unscrew the wheel bolts.



AUTODOC recommends:

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

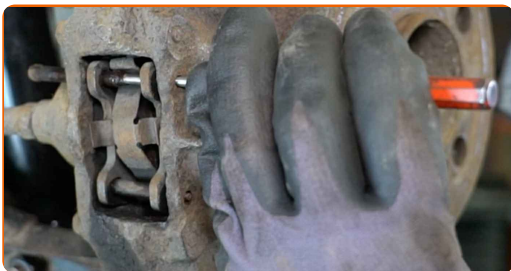
7 Remove the wheel.



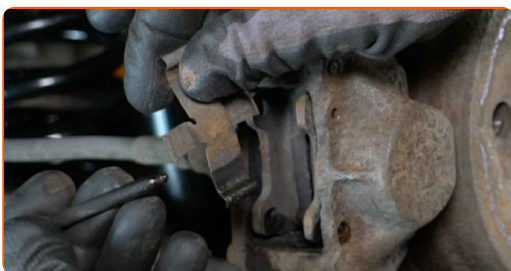
8 Clean the brake pad guide pins. Use a wire brush. Use all-purpose cleaning spray.



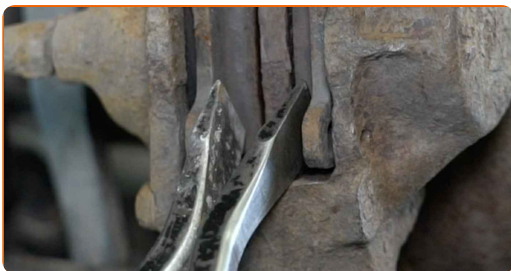
9 Remove the brake pad guide pins. Use a pin punch. Use a hammer.



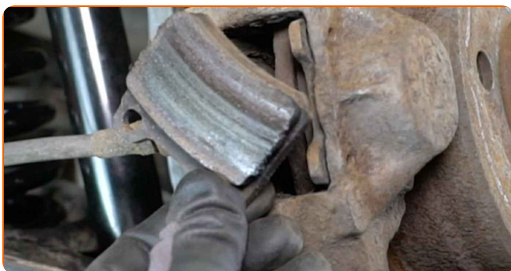
10 Remove the retaining spring of the brake pads.



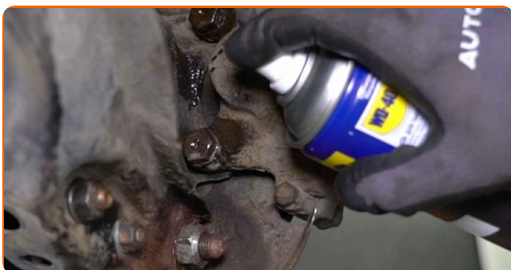
11 Spread the brake pads. Use a crowbar (2 pieces).



12 Remove the brake pads.

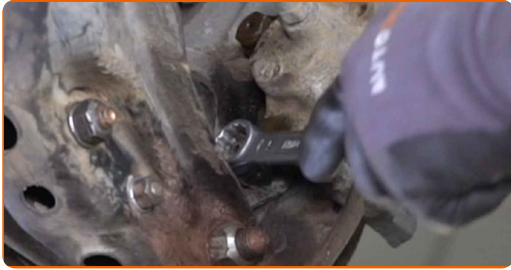


13 Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.



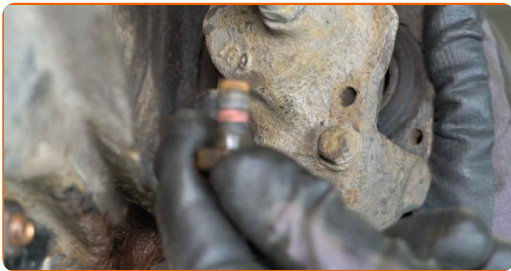
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Unscrew the brake caliper fasteners. Use a combination spanner #17.



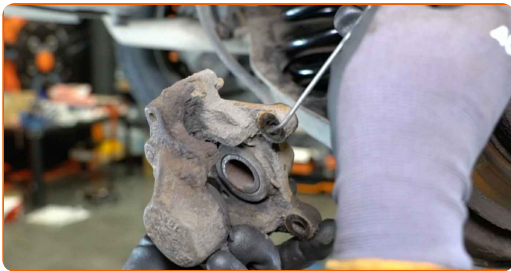
15

Remove the fastening bolts.



16

Remove the brake caliper.



**Replacement: handbrake shoe – MERCEDES-BENZ C-Class T-modell (S203).
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.

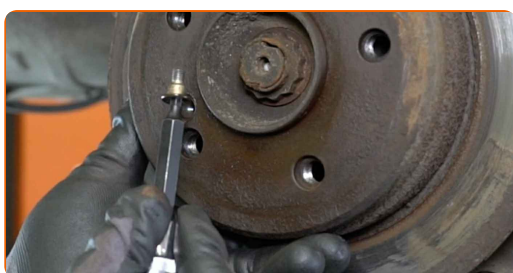
17 Clean the brake disc fastener. Use a wire brush. Use WD-40 spray.



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



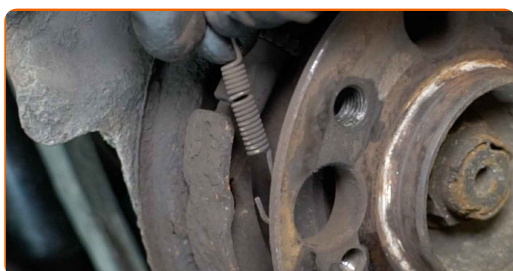
19 Remove the fastening bolt.



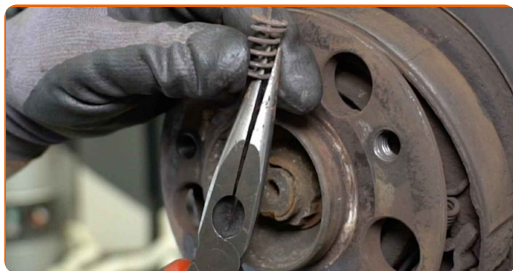
20 Remove the brake disc.



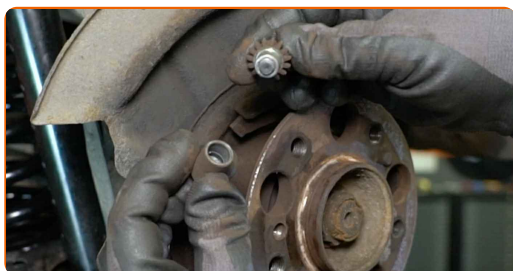
21 Remove the upper brake shoe return spring. Use a crowbar.



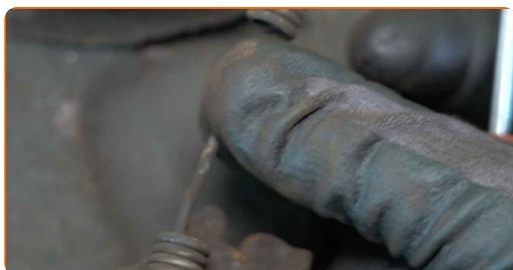
22 Remove the hold-down springs of the parking brake shoes. Use long nose pliers.



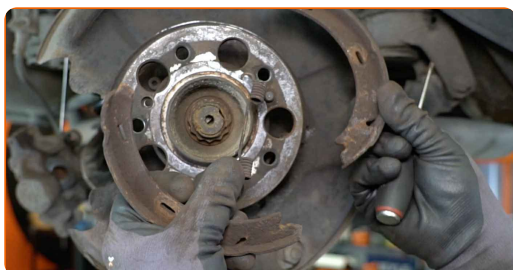
23 Remove the parking brake adjuster.



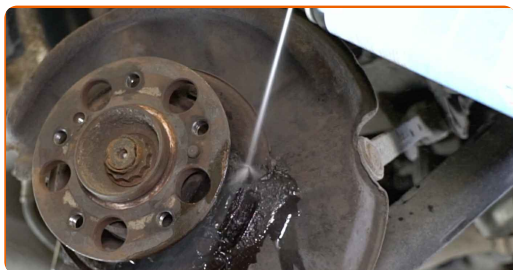
24 Remove the lower brake shoe return spring. Use a flat screwdriver.



25 Remove the parking brake shoes.



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



27 Install the upper brake shoe return spring.



28 Install the parking brake adjuster.



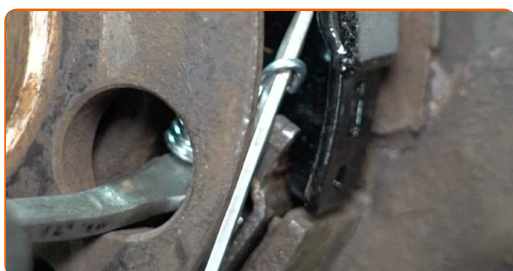
29 Install new parking brake shoes.



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



31 Install the lower return spring. Use a flat screwdriver.



32 Clean the wheel hub. Use a wire brush.



33 Treat the contacting surface. Use ceramic grease.



34 Install the brake disc.



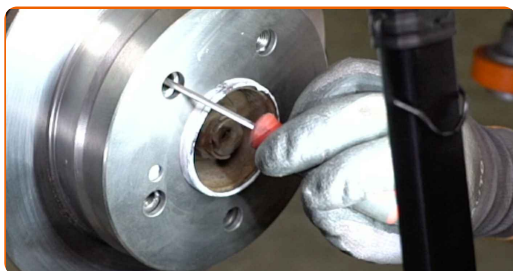
35 Install the fastening bolt.



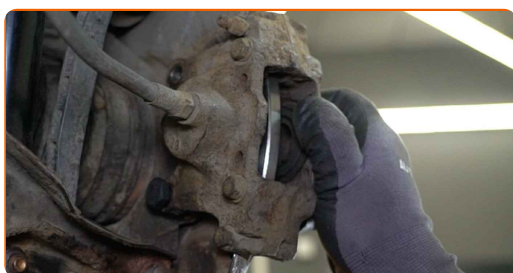
36 Tighten the brake disc fasteners. Use HEX No.H5. Use a torque wrench. Tighten it to 10 Nm torque.



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

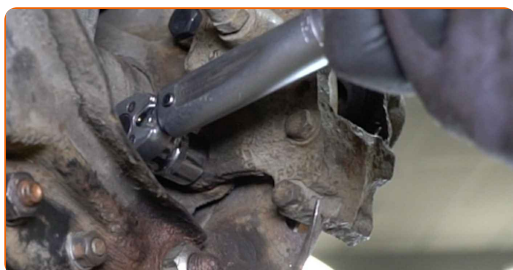


38 Install the brake caliper and fasten it.

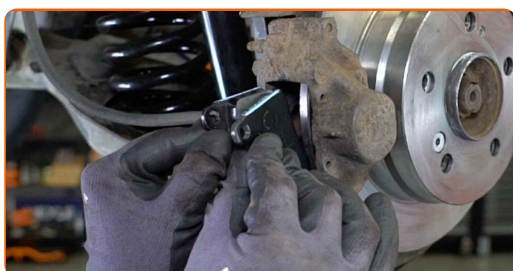


39 Install the fastening bolts.

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



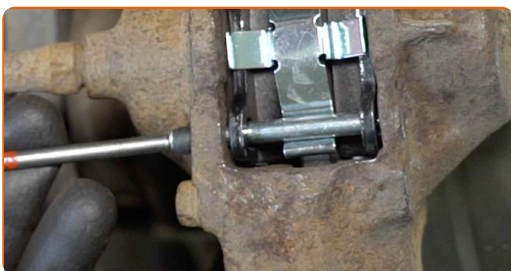
41 Install the brake pads.



42 Install the retaining spring of the brake pads.



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



44 Clean the wheel rim mounting seat. Use a wire brush.



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



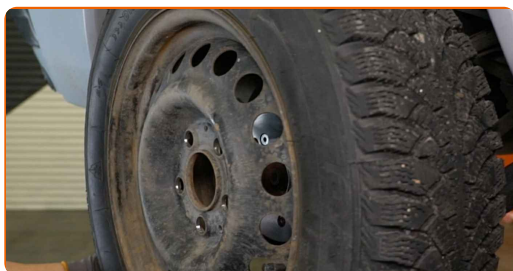
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Clean the brake disk surface. Use a brake cleaner.



47

Install the wheel.

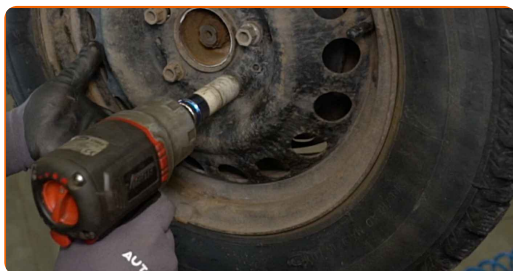


AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. MERCEDES-BENZ C-Class T-modell (S203)

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



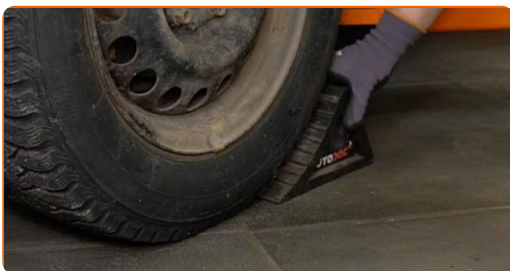
49

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.



50

Remove the jacks and chocks.



**Replacement: handbrake shoe – MERCEDES-BENZ C-Class T-modell (S203).
Tip from AUTODOC:**

- 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.

51

Tighten the brake fluid reservoir cap.

52

Close the bonnet.

WELL DONE! 

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