



How to change front  
brake pads on **BMW Z4**  
**Coupe (E86)** –  
replacement guide

## SIMILAR VIDEO TUTORIAL



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

### Important!

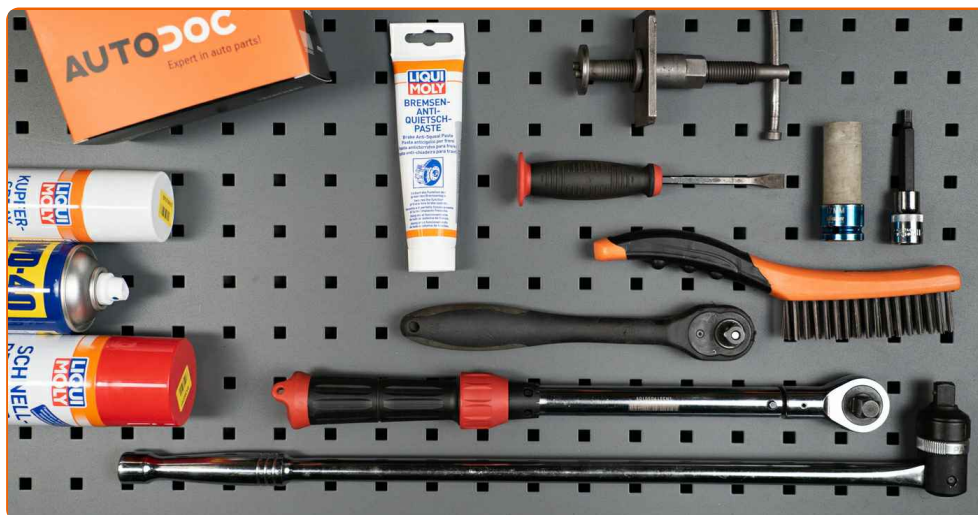
This replacement procedure can be used for:

BMW Z4 Coupe (E86) 3.0 si

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: BMW 3 Touring (E46) 330d 3.0

REPLACEMENT: BRAKE PADS – BMW Z4 COUPE (E86).  
 TOOLS YOU'LL NEED:



- Wire brush
- Brake cleaner
- Copper grease
- Anti-squeal paste
- HEX bit No.H7.
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Brake caliper wind back tool
- Crow bar
- Wheel chock

**Buy tools**

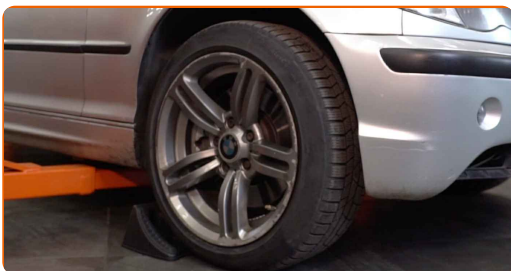
**Replacement: brake pads – BMW Z4 Coupe (E86). Tip from AUTODOC:**

- Perform the replacement of brake pads in complete set for each axis. This provides effective braking.
- The replacement procedure is identical for all brake pads on the same axle.
- Warning! Shut down the engine before starting any work – BMW Z4 Coupe (E86).

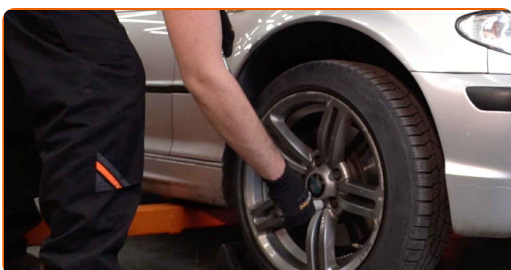
**CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:**

**1** Open the bonnet. Unscrew the brake fluid reservoir cap.

**2** Secure the wheels with chocks.

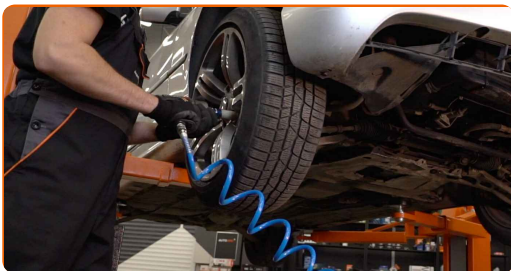


**3** Loosen the wheel mounting bolts. Use wheel impact socket #17.



**4** Raise the front of the car and secure on supports.

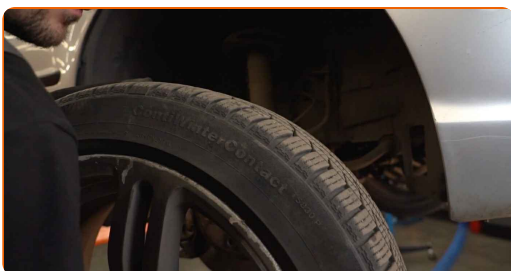
**5** Unscrew the wheel bolts.



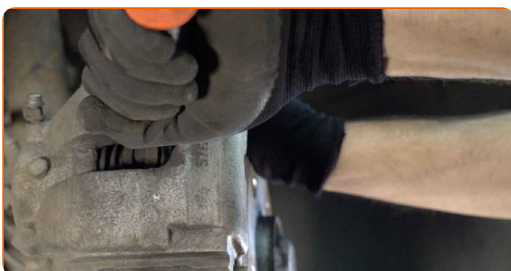
Replacement: brake pads – BMW Z4 Coupe (E86). AUTODOC experts recommend:

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

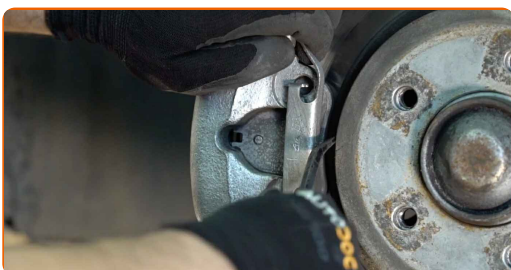
**6** Remove the wheel.



**7** Spread the brake pads. Use a crowbar.

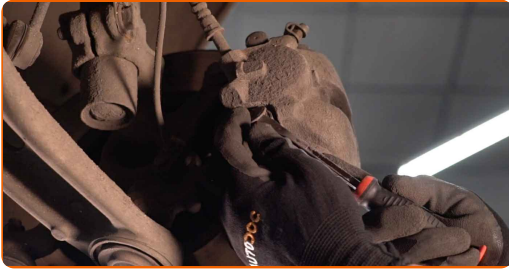


**8** Detach the brake caliper retaining spring. Use a crowbar.



**9**

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

**10**

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

**11**

Remove the brake caliper.



Replacement: brake pads – BMW Z4 Coupe (E86). AUTODOC recommends:

- 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.

**12**

Remove the brake pads.



Replacement: brake pads – BMW Z4 Coupe (E86). Tip:

- Measure the brake disc thickness. Upon reaching the wear limit the part must be replaced.

**13**

Treat the brake caliper piston. Use a brake cleaner.





Replacement: brake pads – BMW Z4 Coupe (E86). Professionals recommend:

- After applying the spray, wait a few minutes.

14

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



15

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



**AUTODOC recommends:**

- Replacement: brake pads – BMW Z4 Coupe (E86). After applying the spray, wait a few minutes.

16

Treat the brake caliper bracket where it contacts the brake pads. Use anti-squeal paste.



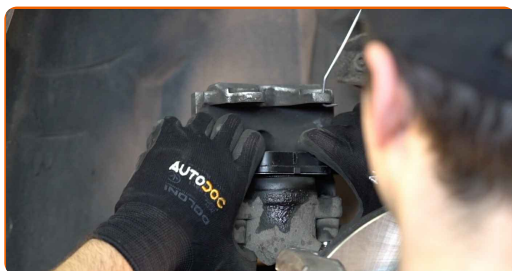


Replacement: brake pads – BMW Z4 Coupe (E86). Tip from AUTODOC experts:

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

17

Install new brake pads.

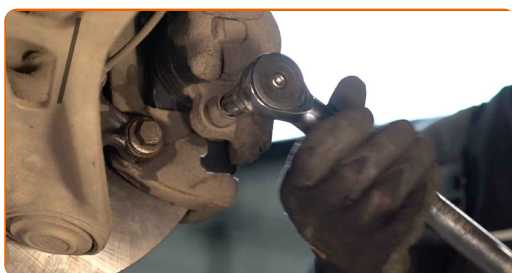


Replacement: brake pads – BMW Z4 Coupe (E86). Tip:

- Make sure the pads are installed with linings facing the disc.

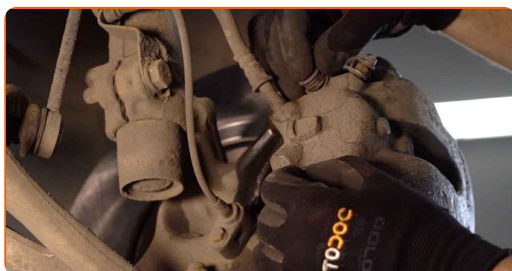
18

Install the brake caliper and fix it. Use HEX No.H7. Use a torque wrench. Tighten it to 30 Nm torque.



19

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



**20** Install the brake caliper retaining spring.



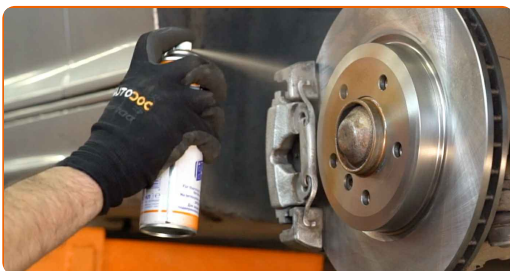
**21** Clean the brake disk surface. Use a brake cleaner.



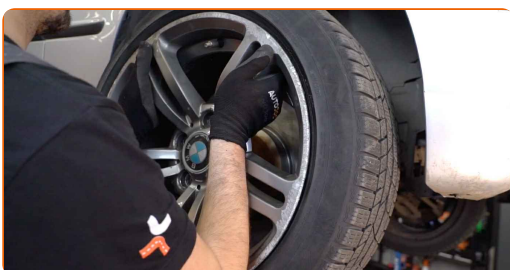
**AUTODOC recommends:**

- Replacement: brake pads – BMW Z4 Coupe (E86). After applying the spray, wait a few minutes.

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



**23** Install the wheel.



Replacement: brake pads – BMW Z4 Coupe (E86). Tip from AUTODOC experts:

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

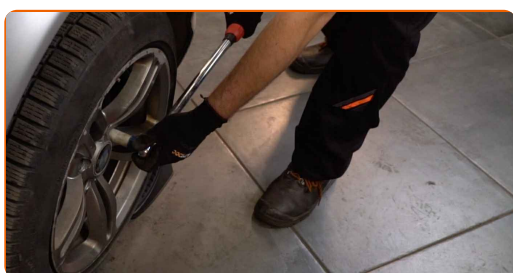
24

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



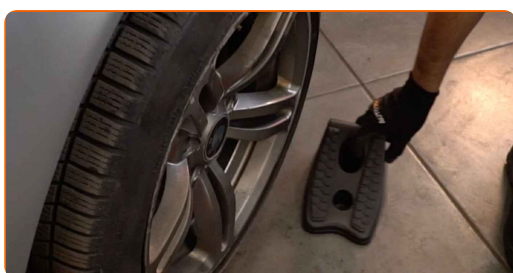
25

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 nm torque.



26

Remove the jacks and chocks.



Replacement: brake pads – BMW Z4 Coupe (E86). AUTODOC recommends:

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

27

Tighten the brake fluid reservoir cap.



**AUTODOC recommends:**

- BMW Z4 Coupe (E86) – Press the brake pedal several times with the engine shut down until you feel the resistance built up.

28

Close the hood.

**Replacement: brake pads – BMW Z4 Coupe (E86). Tip from AUTODOC experts:**

- Slow down smoothly for first 150-200 km after the brake pads replacement. Avoid unnecessary and sharp braking to a stop.

**WELL DONE!** 

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