



How to change rear  
brake discs on **MAZDA 3**  
**Hatchback (BK)** –  
replacement guide

### SIMILAR VIDEO TUTORIAL



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

#### **Important!**

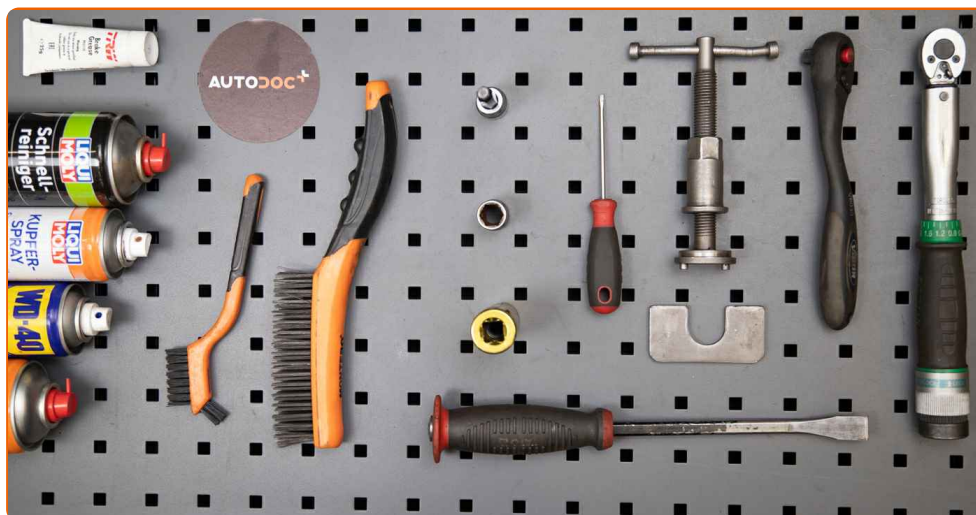
This replacement procedure can be used for:

MAZDA 3 Hatchback (BK) 1.6 (BK14), MAZDA 3 Hatchback (BK) 2.0 (BKEP), MAZDA 3 Hatchback (BK) 1.6 DI Turbo, MAZDA 3 Hatchback (BK) 1.3 (BK14), MAZDA 3 Hatchback (BK) 2.3 MPS Turbo (BK14), MAZDA 3 Hatchback (BK) 1.6 MZ-CD, MAZDA 3 Hatchback (BK) 1.6

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: MAZDA 3 Saloon (BK) 1.6 (BK12)

**REPLACEMENT: BRAKE DISCS – MAZDA 3 HATCHBACK (BK). LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Sealant
- Brake caliper guide pins grease
- Torque wrench
- HEX bit no.H7.
- Drive socket # 14
- Wheel impact socket #19
- Brake caliper wind back tool
- Ratchet wrench
- Crow bar
- Flat Screwdriver
- Wheel chock

**Buy tools**

Replacement: brake discs – MAZDA 3 Hatchback (BK). AUTODOC experts recommend:

- The replacement procedure is identical for both brake disks on the same axle.
- Replace the brake disks on the car MAZDA 3 Hatchback (BK) in complete set for each axis. Regardless of the state of components. This will ensure even braking.
- When changing the brake discs, always replace the brake pads.
- Please note: all work on the car – MAZDA 3 Hatchback (BK) – should be done with the engine switched off.

## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

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

**2** Secure the wheels with chocks.



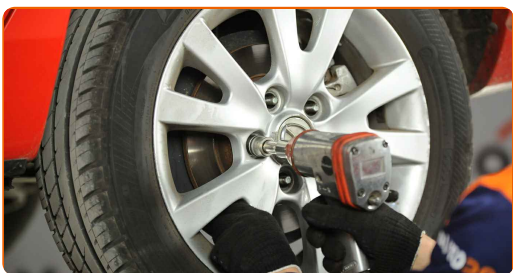
**3** Loosen the wheel mounting bolts. Use wheel impact socket #19.



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



**5** Unscrew the wheel bolts.



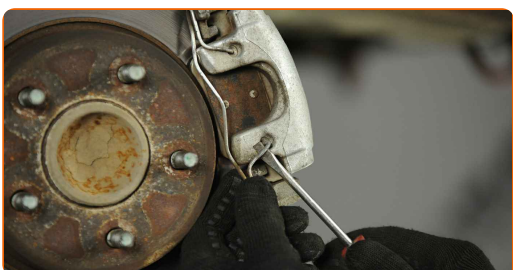
**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
MAZDA 3 Hatchback (BK)

**6** Remove the wheel.

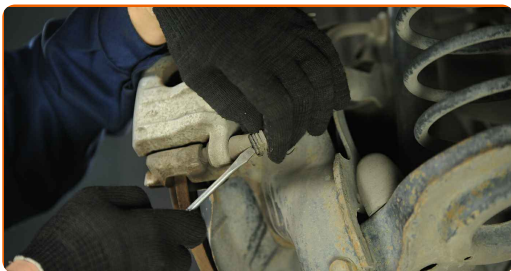


**7** Detach the brake caliper retaining spring. Use a flat screwdriver.



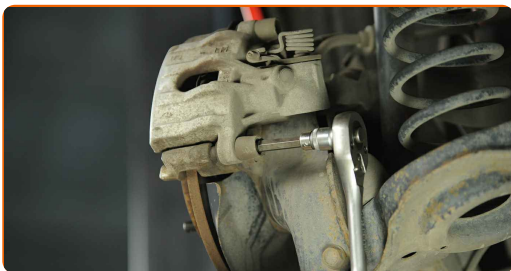
8

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



9

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



10

Remove the guide pins from the brake caliper. Use a flat screwdriver.

11

Spread the brake pads. Use a crowbar.

12

Remove the brake caliper.



Replacement: brake discs – MAZDA 3 Hatchback (BK). Tip from AUTODOC:

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

13

Remove the brake pads.



14

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

15

Unscrew the caliper bracket fastening. Use a drive socket #14. Use a ratchet wrench.



**16** Remove the fastening bolts (2 pieces).

**17** Remove the caliper bracket.

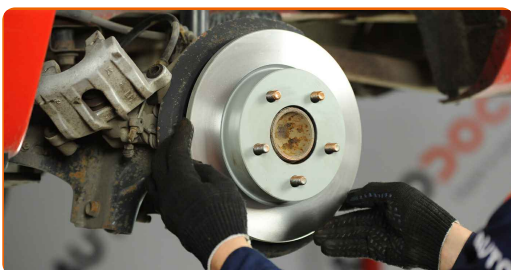
**18** Remove the brake disc.



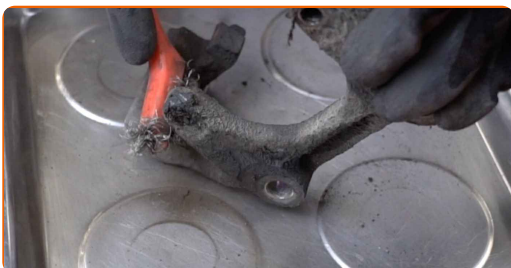
**19** Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



**20** Install the brake disc.



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





**AUTODOC recommends:**

- Replacement: brake discs – MAZDA 3 Hatchback (BK). After applying the spray, wait a few minutes.

**22**

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



**23**

Treat the brake caliper bracket fasteners. Use a sealant.

**24**

Install the brake caliper bracket.



**25**

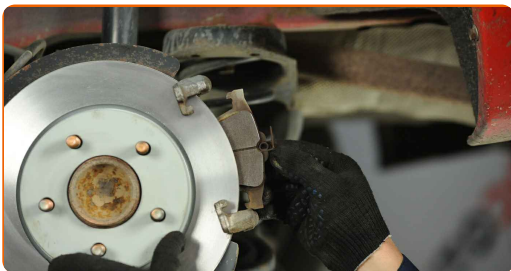
Install the fastening bolts (2 pieces).

**26**

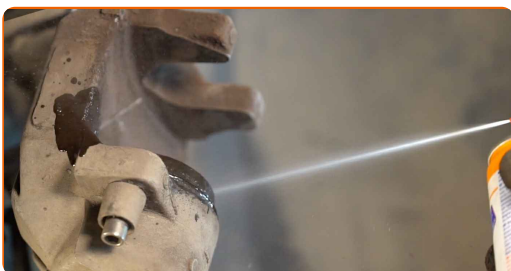
Tighten the brake caliper bracket. Use a drive socket #14. Use a torque wrench. Tighten it to 65 Nm torque.



**27** Install the brake pads.



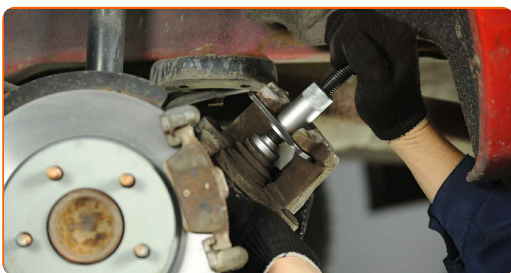
**28** Treat the brake caliper piston. Use a nylon cleaning brush. Use a brake cleaner.



Replacement: brake discs – MAZDA 3 Hatchback (BK). Tip:

- After applying the spray, wait a few minutes.

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



**30** Clean the brake caliper guide pins.

**31** Treat the brake caliper guide pins. Use the brake caliper guide pin grease.

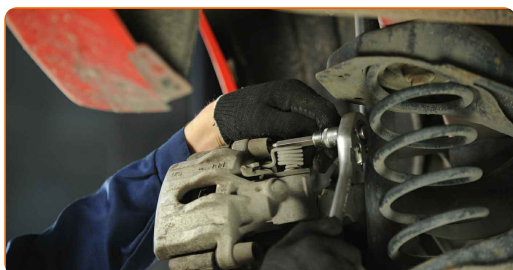


**32** Install the brake caliper and fix it.

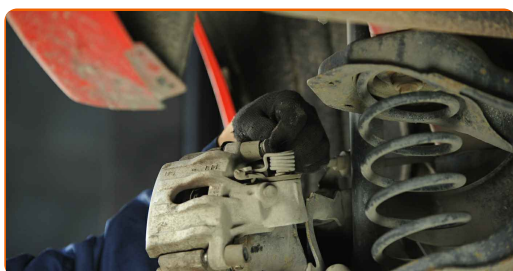


**33** Screw in the guide pins.

**34** Tighten the brake caliper fasteners. Use HEX No.H7. Use a torque wrench. Tighten it to 30 Nm torque.



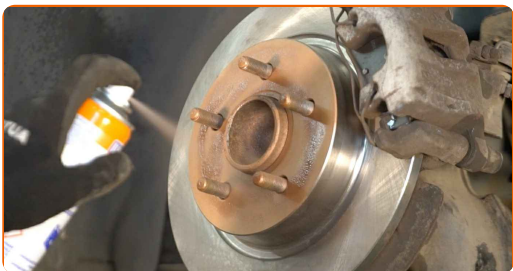
**35** Install the dust boot caps of the brake caliper guide pins.



**36** Install the brake caliper retaining spring. Use a flat screwdriver.



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



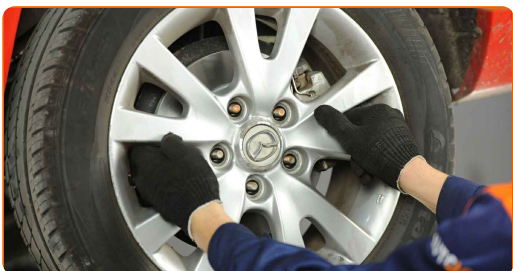
**38** Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: brake discs – MAZDA 3 Hatchback (BK). After applying the spray, wait a few minutes.

**39** Install the wheel.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. MAZDA 3 Hatchback (BK)

**40**

Screw in the wheel bolts. Use wheel impact socket #19.



**41**

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 118 nm torque.



**42**

Remove the jacks and chocks.



**Replacement: brake discs – MAZDA 3 Hatchback (BK). Professionals recommend:**

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

43

Tighten the brake fluid reservoir cap. Close the hood.

Replacement: brake discs – MAZDA 3 Hatchback (BK). Tip from AUTODOC experts:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.

**WELL DONE!** 

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