



How to change front
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, MAZDA 3 Hatchback (BK) 1.6 DI Turbo, MAZDA 3 Hatchback (BK) 1.4, MAZDA 3 Hatchback (BK) 1.6 MZ-CD

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

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



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Sealant
- Brake caliper guide pins grease
- Copper grease
- HEX bit no.H7.
- Drive socket # 17
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Brake caliper wind back tool
- Crow bar
- Flat Screwdriver
- Round-nose pliers
- Wheel chock

Buy tools

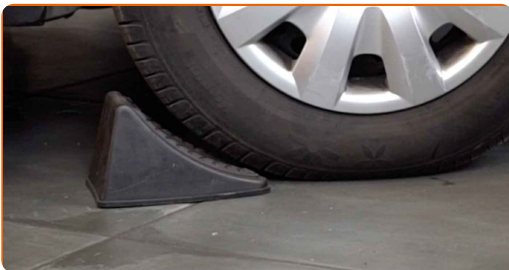
AUTODOC recommends:

- 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.
- The replacement procedure is identical for both brake disks on the same axle.
- 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 front of the car and secure on supports.

5 Unscrew the wheel bolts.



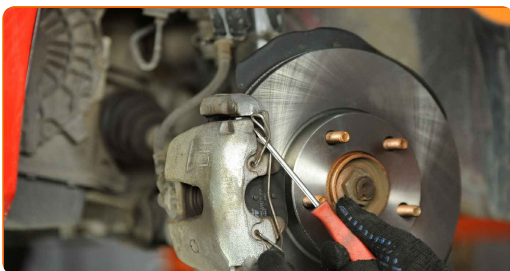
AUTODOC recommends:

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

6 Remove the wheel.

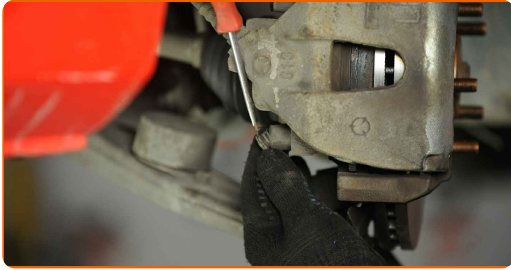


7 Detach the brake caliper retaining spring. Use a flat screwdriver.



8

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

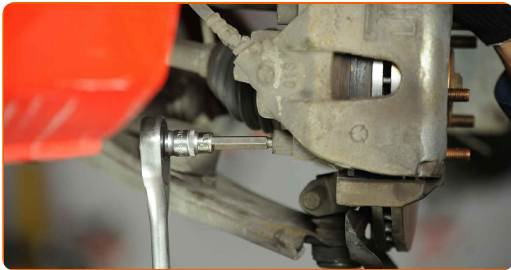


9

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

10

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



11

Remove the guide pins from the brake caliper.

12

Spread the brake pads. Use a crowbar.

13

Remove the brake caliper.

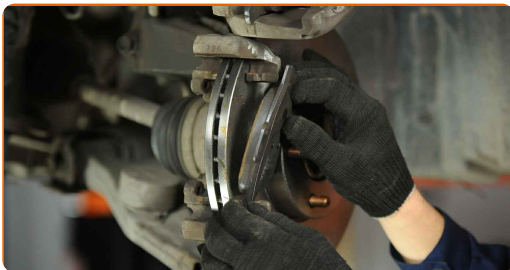


Replacement: brake discs – MAZDA 3 Hatchback (BK). Professionals recommend:

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

14

Remove the brake pads.

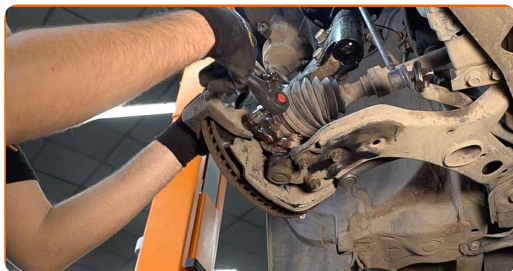


15

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

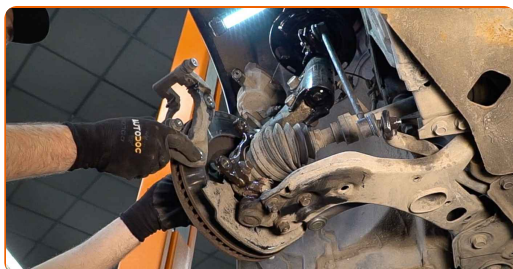


16 Unscrew the caliper bracket fastening. Use a drive socket #17. Use a ratchet wrench.

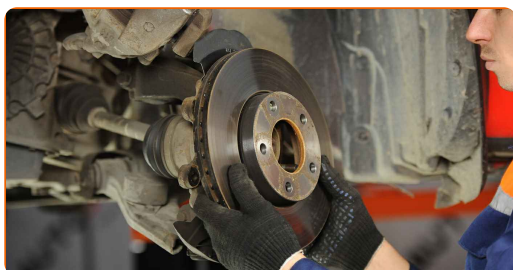


17 Remove the fastening bolts (2 pieces).

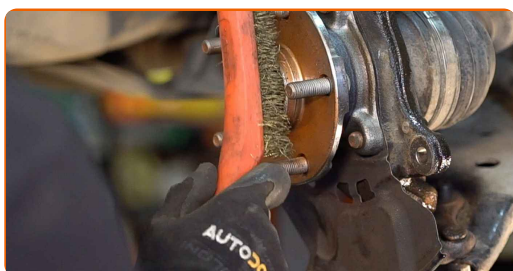
18 Remove the caliper bracket.



19 Remove the brake disc.



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



21 Install the brake disc.



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

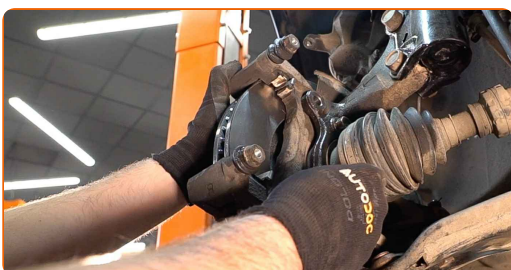


AUTODOC recommends:

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

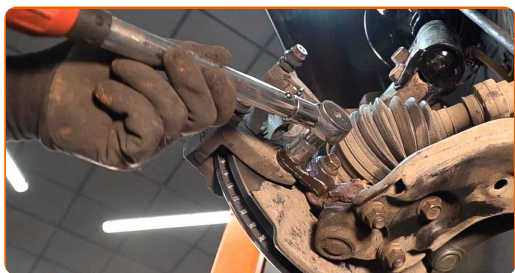
23 Treat the brake caliper bracket fasteners. Use a sealant.

24 Install the brake caliper bracket.

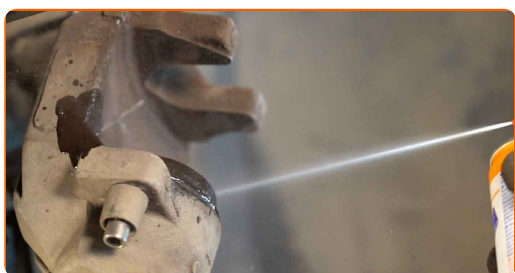


25 Install the fastening bolts (2 pieces).

26 Tighten the brake caliper bracket. Use a drive socket #17. Use a torque wrench. Tighten it to 80 Nm torque.



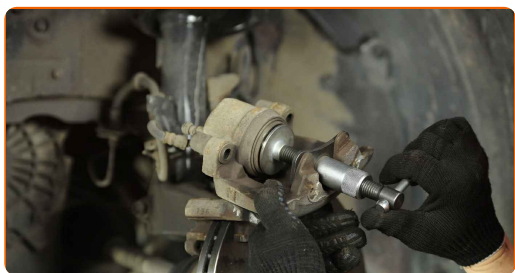
27 Treat the brake caliper piston. Use a nylon cleaning brush. Use a brake cleaner.



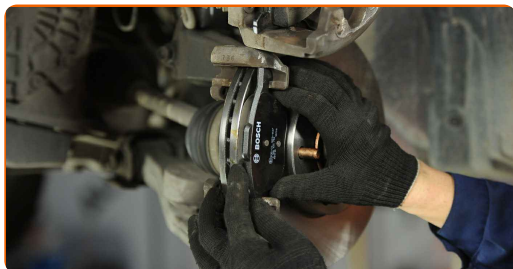
Replacement: brake discs – MAZDA 3 Hatchback (BK). Tip from AUTODOC:

- After applying the spray, wait a few minutes.

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



29 Install the brake pads.



30 Install the brake caliper and fix it.



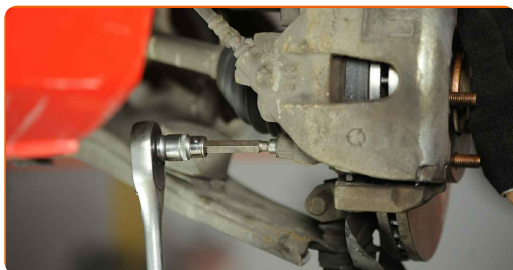
31 Clean the brake caliper guide pins.

32 Treat the brake caliper guide pins. Use the brake caliper guide pin grease.

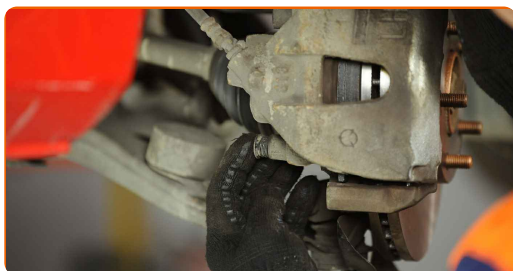


33 Screw in the guide pins.

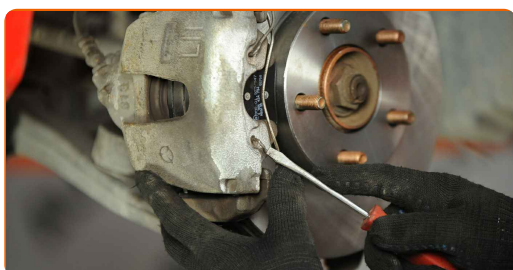
34 Tighten the brake caliper fasteners. Use HEX No.H7. Use a torque wrench. Tighten it to 30 Nm torque.



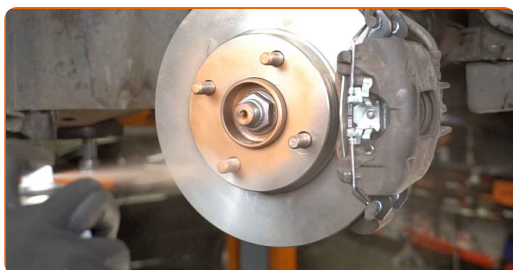
35 Install the dust boot caps of the brake caliper guide pins.



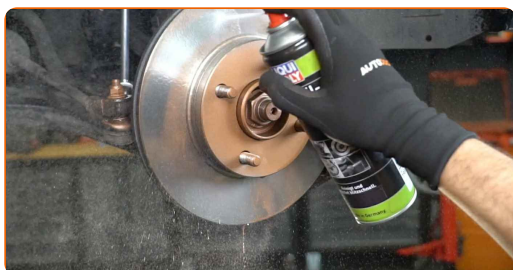
36 Install the brake caliper retaining spring. Use round-nose pliers. Use a flat screwdriver.



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



38 Clean the brake disc 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.



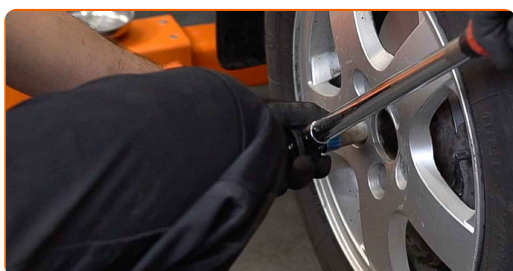
AUTODOC recommends:

- 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). AUTODOC experts 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). Professionals recommend:

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

WELL DONE! 

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