VIDEO TUTORIAL

## ⓘ Important!

This replacement procedure can be used for:
MAZDA 3 (BK) 1.6 (BK14), MAZDA 3 Saloon (BK) 1.6

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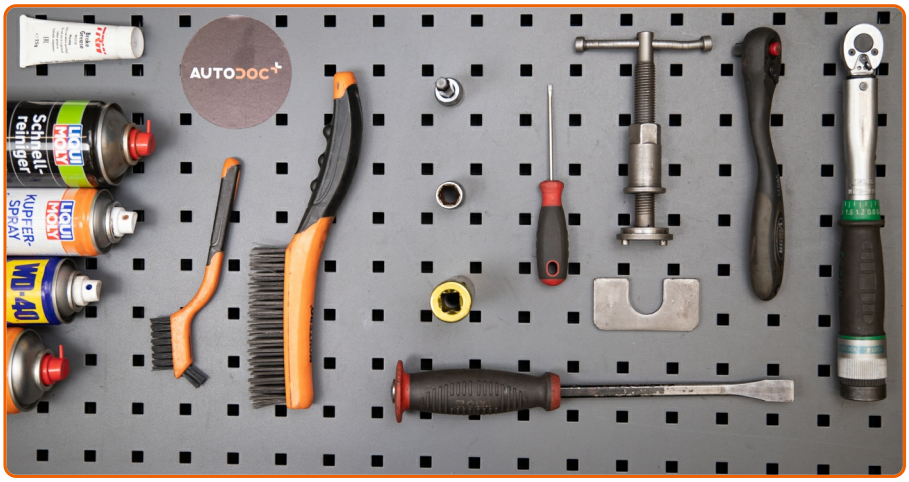
The steps may slightly vary depending on the car design.

# REPLACEMENT: BRAKE DISCS – MAZDA 3 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

## Replacement: brake discs – Mazda 3 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 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 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 BK

6

Remove the wheel.

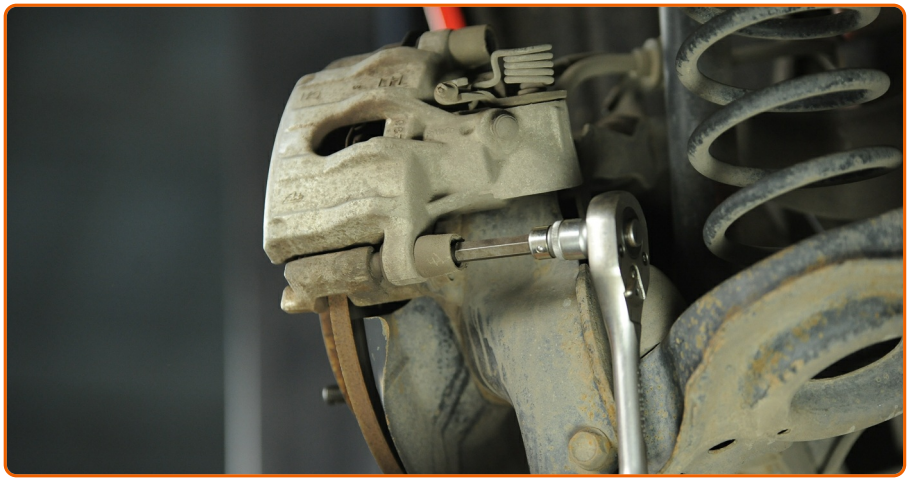
7

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.

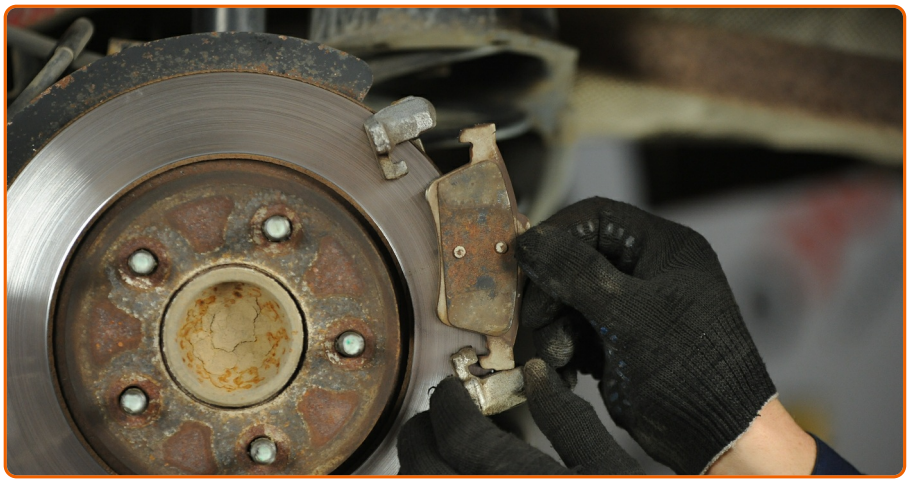
12

Remove the brake caliper.

## Replacement: brake discs – Mazda 3 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

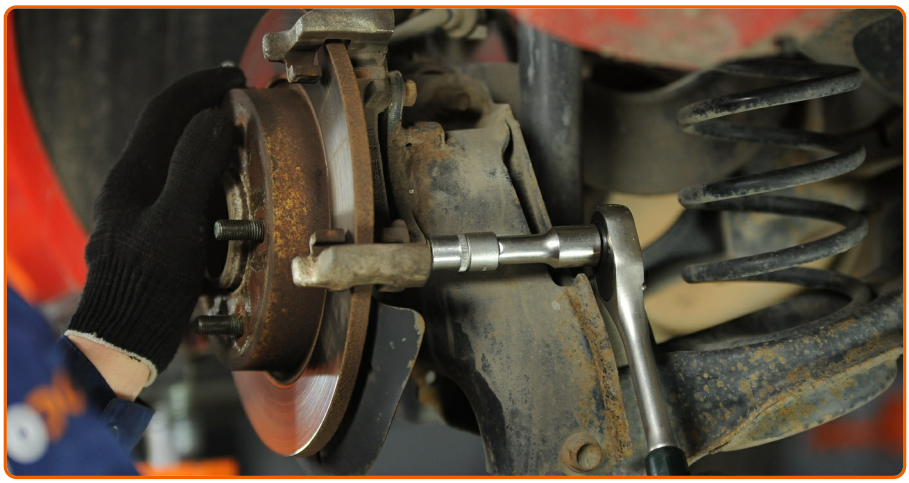


Remove the brake pads.

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 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.

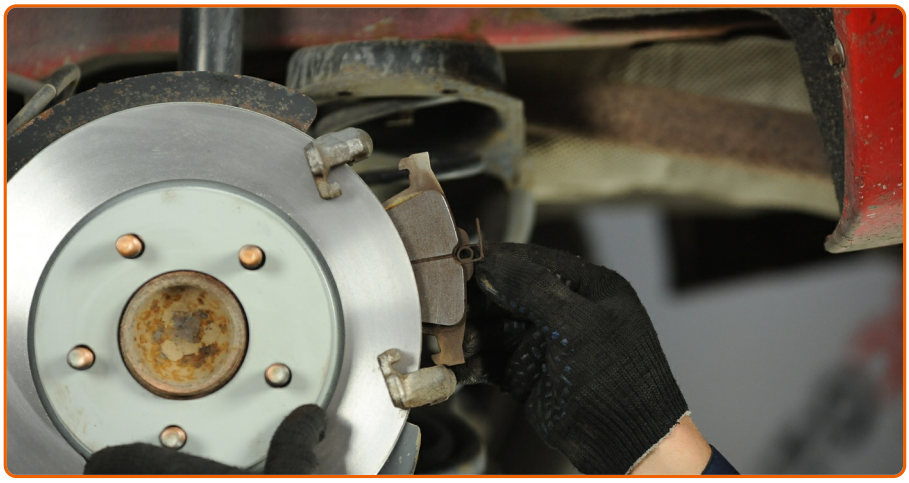
**25**

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 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 35 Nm torque.

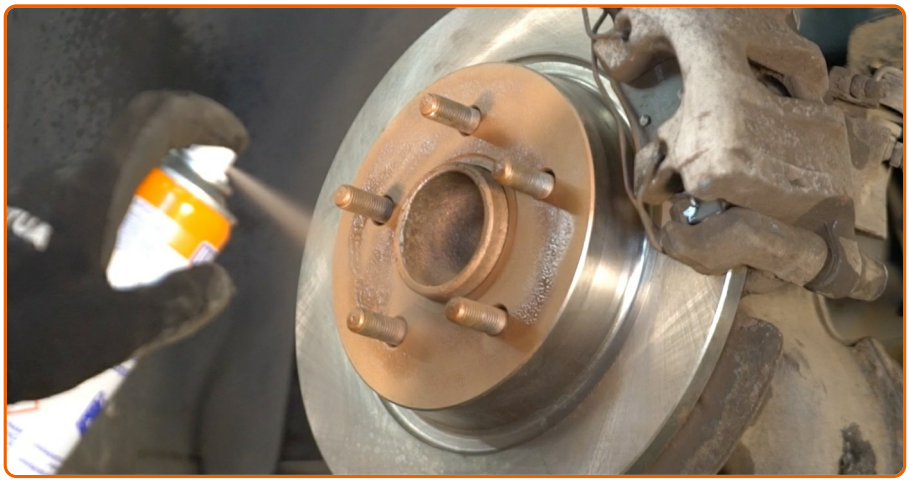
35

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 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 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 120 nm torque.

42

Remove the jacks and chocks.

## Replacement: brake discs – Mazda 3 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 BK. Tip from AUTODOC experts:

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

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YES NO

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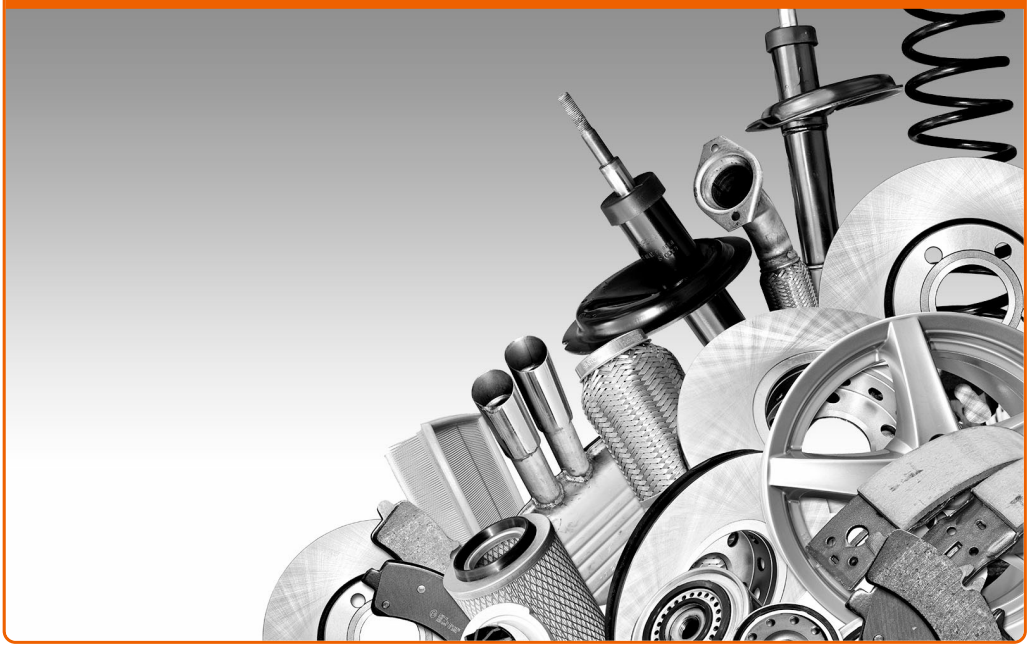

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## BRAKE DISCS: A WIDE SELECTION

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## BRAKE DISCS FOR MAZDA: BUY NOW

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