



How to change front  
brake discs on **MAZDA 5**  
**(CR19)** – 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 5 (CR19) 1.8, MAZDA 5 (CR19) 2.0, MAZDA 5 (CR19) 2.0 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 5 (CR19). 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**

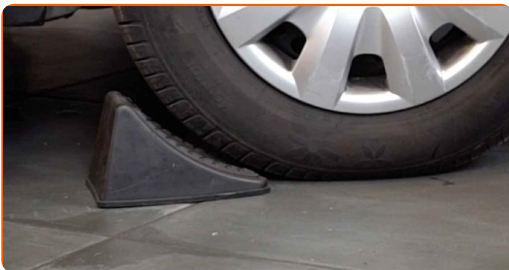
**AUTODOC recommends:**

- Replace the brake disks on the car MAZDA 5 (CR19) 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 5 (CR19) – 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.



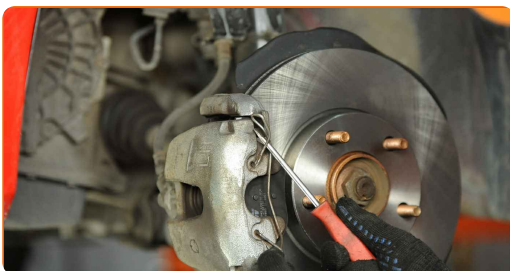
**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
MAZDA 5 (CR19)

**6** Remove the wheel.

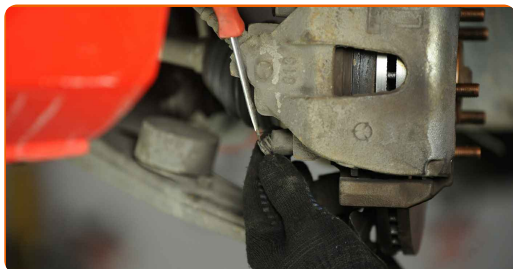


**7** Detach the brake caliper retaining spring. Use a flat screwdriver.



8

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

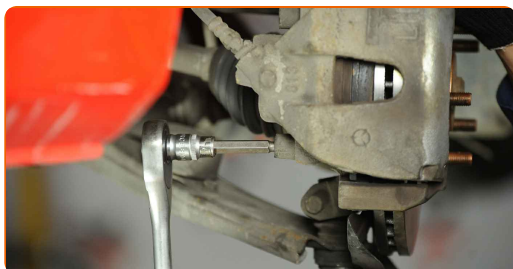


9

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.

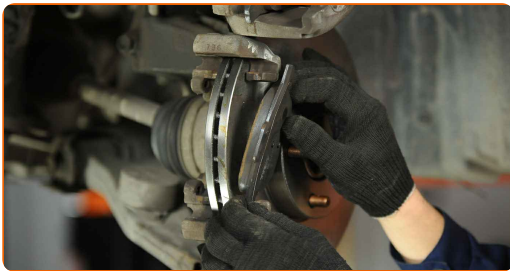


Replacement: brake discs – MAZDA 5 (CR19). Professionals recommend:

- 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.

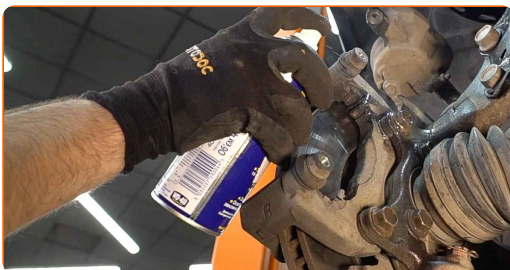
14

Remove the brake pads.

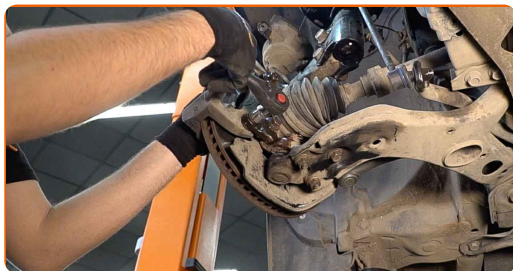


15

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

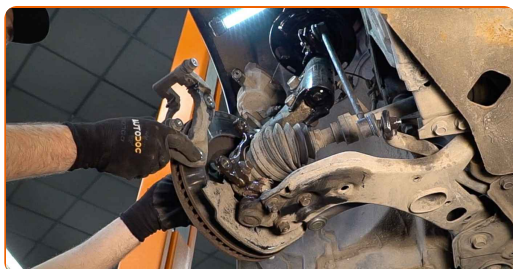


**16** Unscrew the caliper bracket fastening. Use a drive socket #17. Use a ratchet wrench.



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

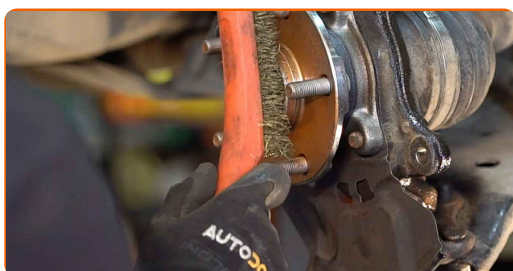
**18** Remove the caliper bracket.



**19** Remove the brake disc.



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

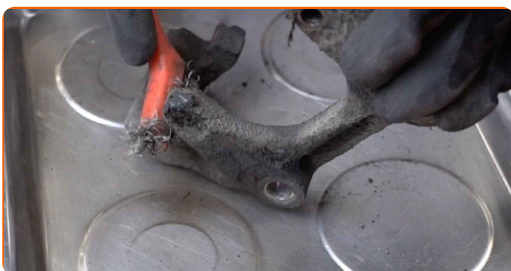




**21** Install the brake disc.



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

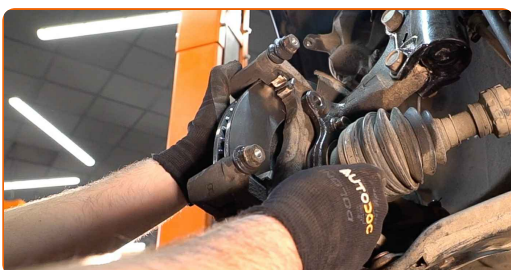


**AUTODOC recommends:**

- Replacement: brake discs – MAZDA 5 (CR19). After applying the spray, wait a few minutes.

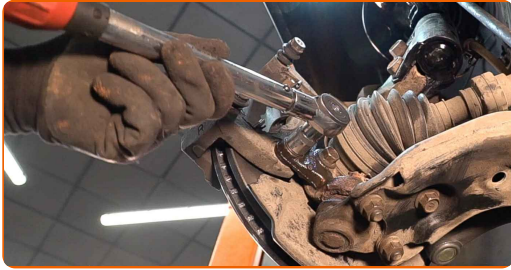
**23** Treat the brake caliper bracket fasteners. Use a sealant.

**24** Install the brake caliper bracket.

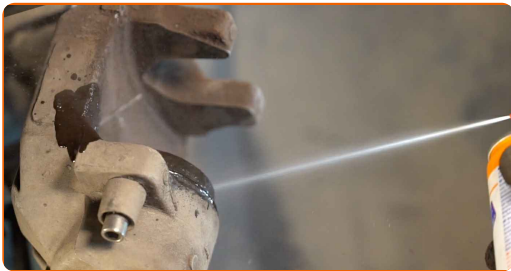


**25** Install the fastening bolts (2 pieces).

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



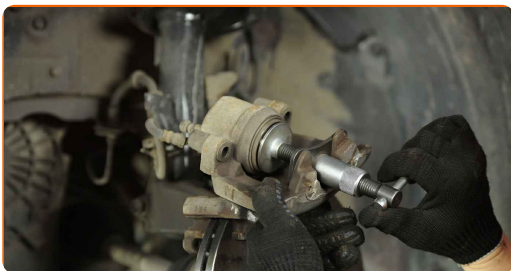
**27** Treat the brake caliper piston. Use a nylon cleaning brush. Use a brake cleaner.



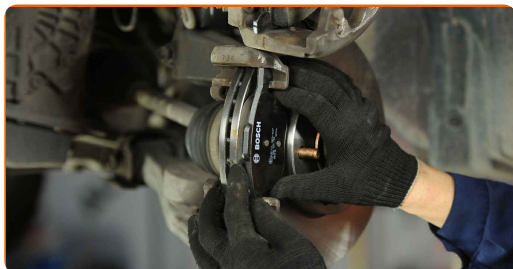
**Replacement: brake discs – MAZDA 5 (CR19). Tip from AUTODOC:**

- After applying the spray, wait a few minutes.

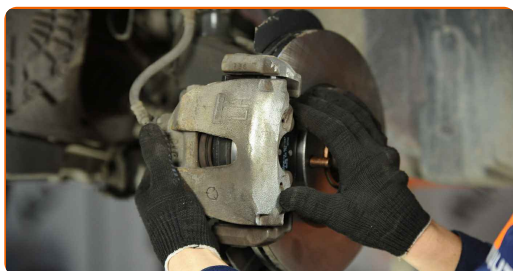
**28** Press in the brake caliper piston. Use brake caliper wind back tool.



**29** Install the brake pads.

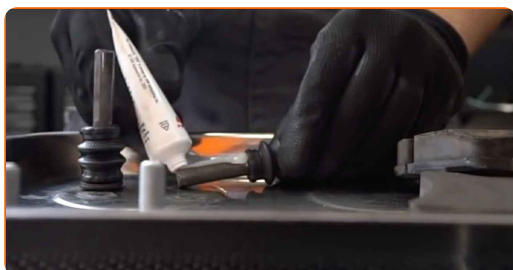


**30** Install the brake caliper and fix it.



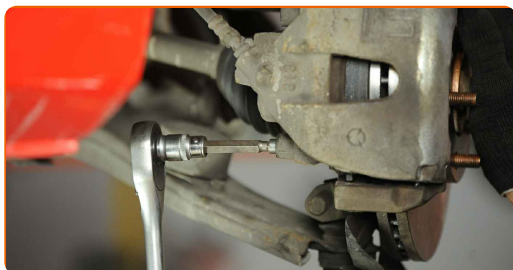
**31** Clean the brake caliper guide pins.

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

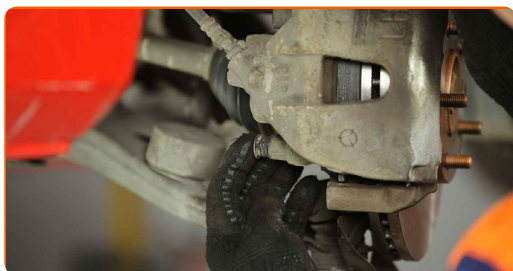


**33** Screw in the guide pins.

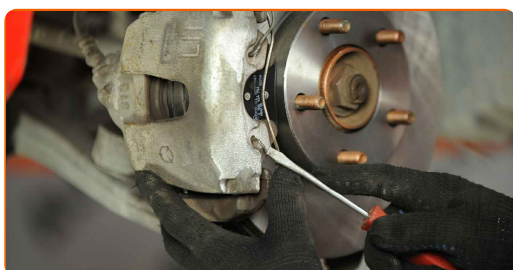
**34** Tighten the brake caliper fasteners. Use HEX No.H7. Use a torque wrench. Tighten it to 30 Nm torque.



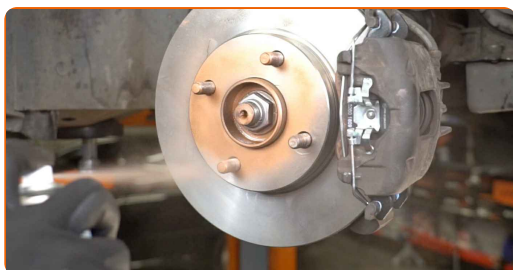
**35** Install the dust boot caps of the brake caliper guide pins.



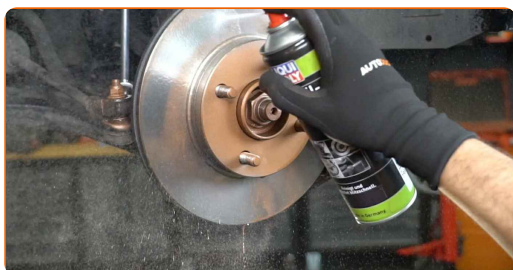
**36** Install the brake caliper retaining spring. Use round-nose pliers. Use a flat screwdriver.



**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 5 (CR19). After applying the spray, wait a few minutes.

**39** Install the wheel.



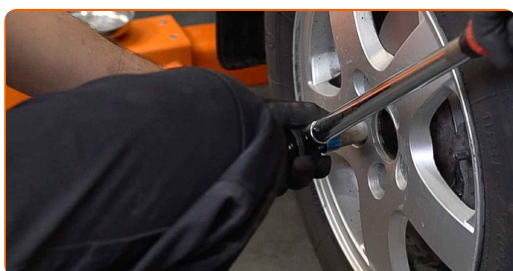
**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. MAZDA 5 (CR19)

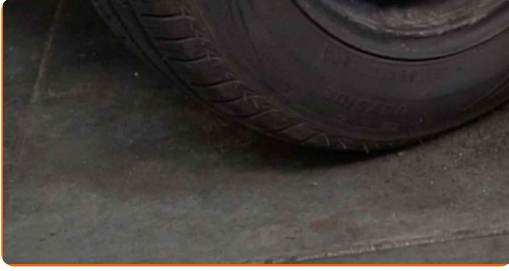
**40** Screw in the wheel bolts. Use wheel impact socket #19.



**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 5 (CR19). 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 5 (CR19). Professionals recommend:

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

**WELL DONE!** 

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