

VIDEO TUTORIAL



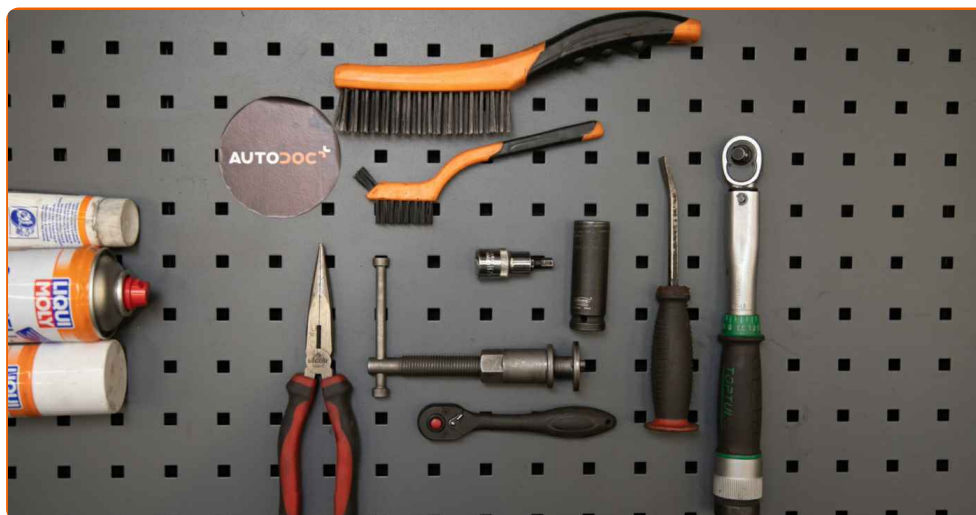
Important!

This replacement procedure can be used for:

BMW 8 (E31) 850i / Ci 5.0, BMW 7 (E38) 730i / iL 3.0, BMW 7 (E38) 740i / iL 4.0, BMW 7 (E38) 750i / iL 5.4, BMW 8 (E31) 850Ci 5.4, BMW 8 (E31) 850CSi 5.6, BMW 5 Touring (E34) M5, BMW 7 (E38) 740i / iL 4.4, BMW 7 (E38) 728i / iL 2.8, BMW 7 (E38) 735i / iL 3.5, BMW 8 (E31) 840Ci 4.4, BMW 7 (E38) 725tds 2.5, BMW 3 Saloon (E46) 318i 1.9, BMW 3 Saloon (E46) 328i 2.8, BMW 3 Saloon (E46) 320d 2.0, (+ 84)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE PADS – BMW X3 E83. AUTODOC EXPERTS RECOMMEND:



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

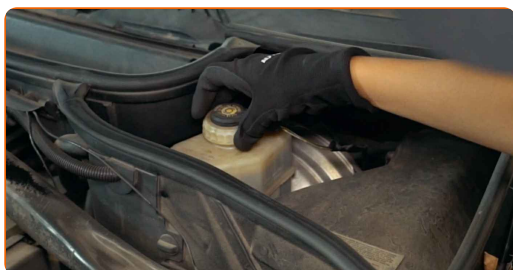
BUY TOOLS

Replacement: brake pads – BMW X3 E83. Professionals recommend:

- 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.
- All work should be done with the engine stopped.

REPLACEMENT: BRAKE PADS – BMW X3 E83. RECOMMENDED SEQUENCE OF STEPS:

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



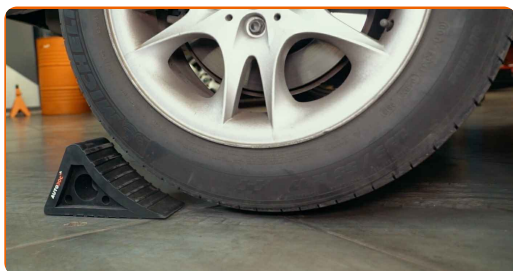
- 2 Secure the wheels with chocks.

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



4

Raise the 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.
BMW X3 E83

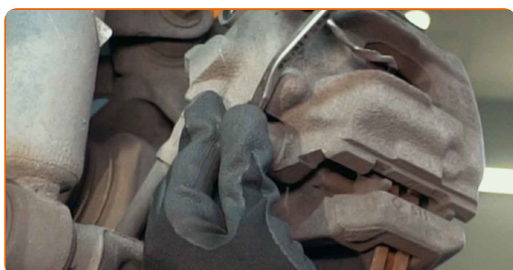
6

Remove the wheel.



7

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



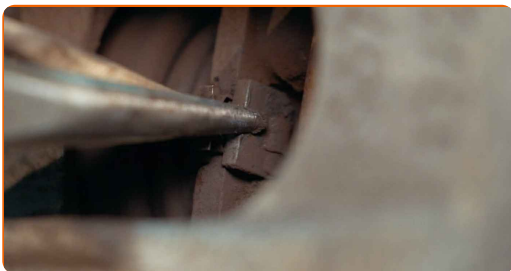
8

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



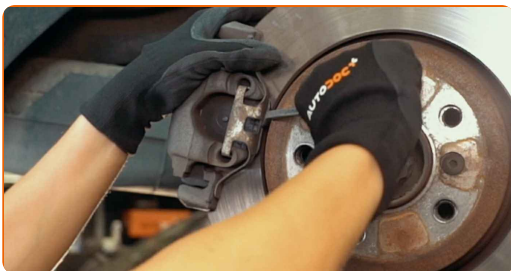
9

Disconnect the brake pads wear sensor. Use round-nose pliers.



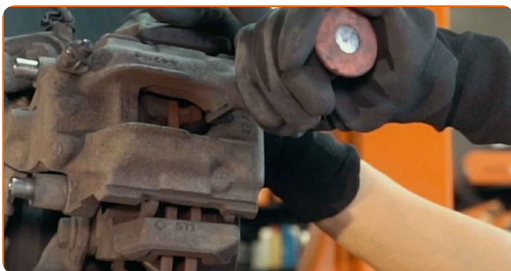
10

Detach the brake caliper retaining spring. Use a crowbar.



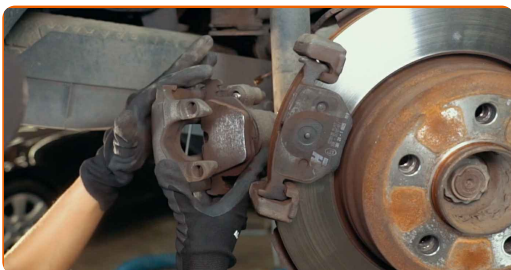
11

Spread the brake pads. Use a crowbar.



12

Remove the brake caliper.



Replacement: brake pads – BMW X3 E83. Tip from AUTODOC experts:

- 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.

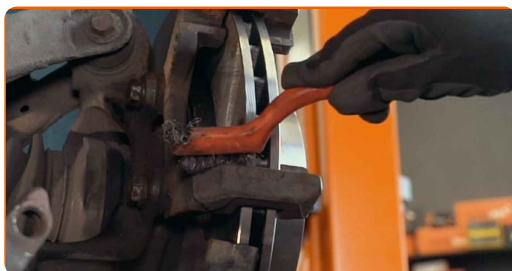


Replacement: brake pads – BMW X3 E83. AUTODOC recommends:

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

14

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

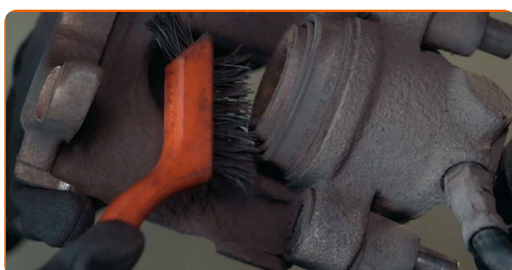


AUTODOC recommends:

- Replacement: brake pads – BMW X3 E83. After applying the spray, wait a few minutes.

15

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



Replacement: brake pads – BMW X3 E83. Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

16

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



- 17** Treat the brake pads in the area where their surface comes into contact with the brake caliper bracket. Use anti-squeal paste.



Replacement: brake pads – BMW X3 E83. AUTODOC recommends:

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

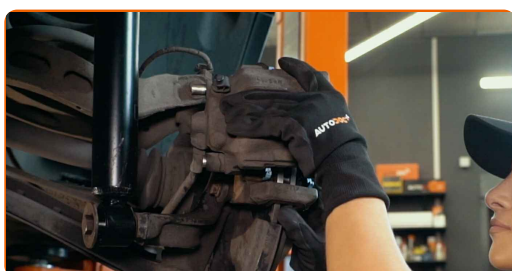
- 18** Install new brake pads.



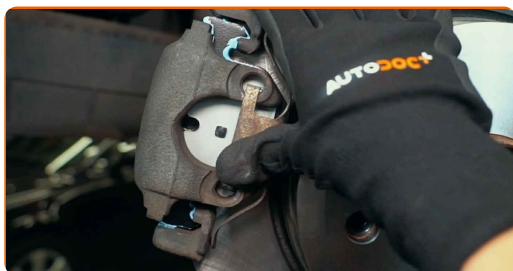
Replacement: brake pads – BMW X3 E83. Tip from AUTODOC experts:

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

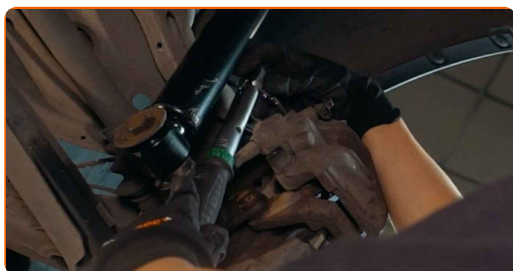
- 19** Install the brake caliper and fix it.



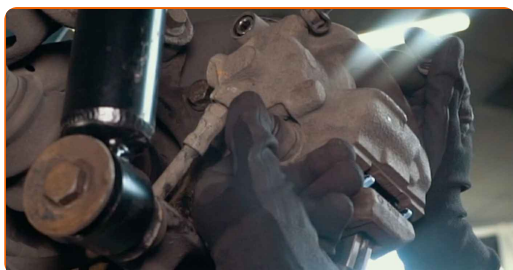
- 20 Install the brake caliper retaining spring.



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



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



- 23 Connect the brake pads wear sensor. Use round-nose pliers.



- 24 Clean the wheel rim mounting seat. Use a wire brush.



25

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



26

Clean the brake disk surface. Use a brake cleaner.

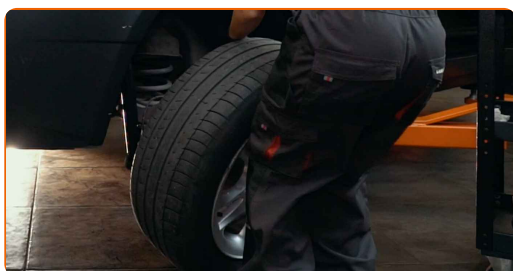


AUTODOC recommends:

- Replacement: brake pads – BMW X3 E83. After applying the spray, wait a few minutes.

27

Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. BMW X3 E83