

VIDEO TUTORIAL



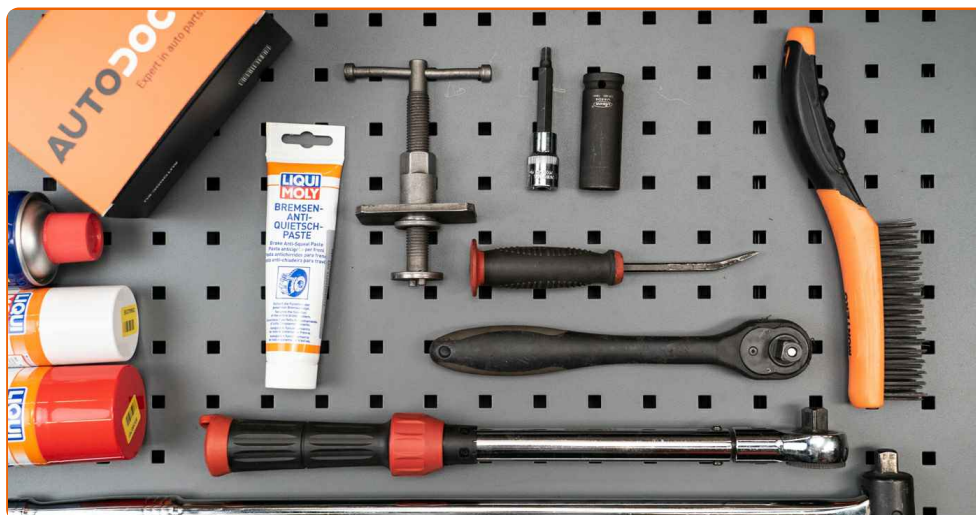
ⓘ Important!

This replacement procedure can be used for:

BMW 7 (E38) 740i / iL 4.0, BMW 5 Saloon (E39) 520i 2.0, BMW 7 (E38) 740i / iL 4.4, BMW 5 Saloon (E39) 540i 4.4, BMW 5 Saloon (E39) 535i 3.5, BMW 5 Touring (E39) 520i 2.0, BMW 5 Touring (E39) 540i 4.4, BMW 5 Saloon (E39) M5, BMW 5 Touring (E39) 525tds 2.5, BMW X5 (E53) 4.4 i, BMW X5 (E53) 3.0 d, BMW 5 Saloon (E39) 520d 2.0, BMW 5 Touring (E39) 520d 2.0, BMW 5 Saloon (E39) 525d 2.5, BMW 5 Touring (E39) 525d 2.5, (+ 12)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE PADS – BMW X5 E53. TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Anti-squeal paste
- Copper grease
- HEX bit no.H7.
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Brake caliper wind back tool
- Crow bar
- Wheel chock

BUY TOOLS

Replacement: brake pads – BMW X5 E53. AUTODOC recommends:

- 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 X5 E53. RECOMMENDED SEQUENCE OF STEPS:

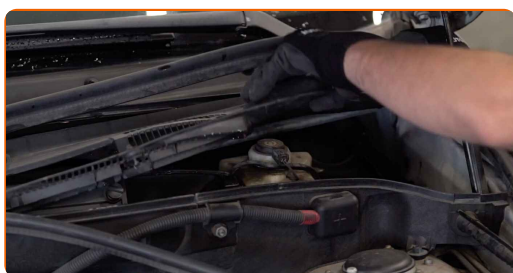
1 Open the bonnet.



2 Remove the rubber strip.

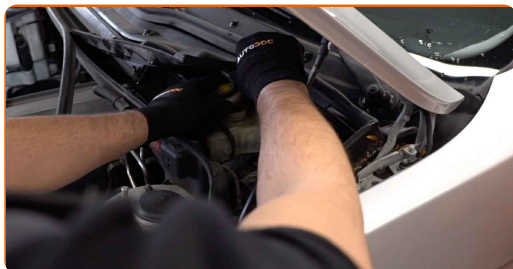


3 Remove the protective cover.



4

Unscrew the brake fluid reservoir cap.



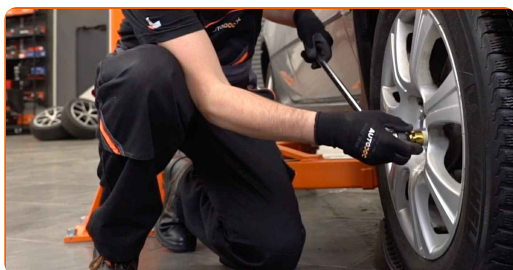
5

Secure the wheels with chocks.



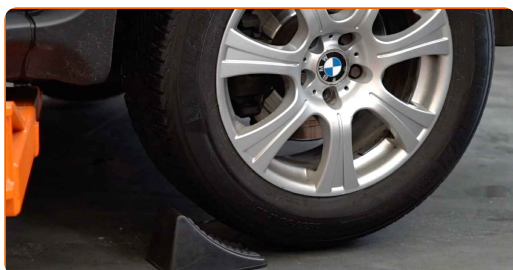
6

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



7

Raise the front of the car and secure on supports.



8

Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
BMW X5 E53

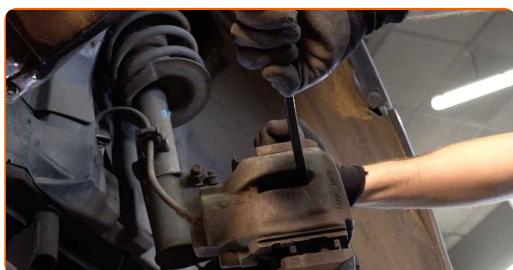
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Remove the wheel.



10

Spread the brake pads. Use a crowbar.



11

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



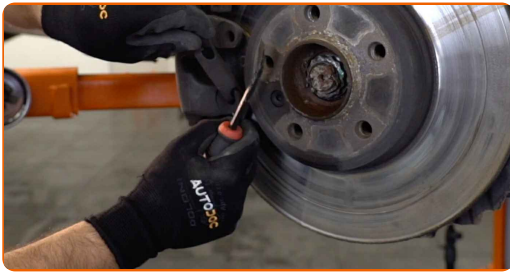
12

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



13

Detach the brake caliper retaining spring. Use a crowbar.



14

Remove the brake caliper.

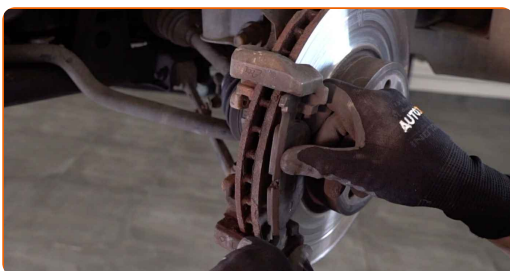


Replacement: brake pads – BMW X5 E53. Professionals recommend:

- 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.

15

Remove the brake pads. Use a crowbar.



Replacement: brake pads – BMW X5 E53. Tip from AUTODOC:

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

16

Treat the brake caliper piston. Use a brake cleaner.



Replacement: brake pads – BMW X5 E53. AUTODOC experts recommend:

- After applying the spray, wait a few minutes.

17

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



18

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

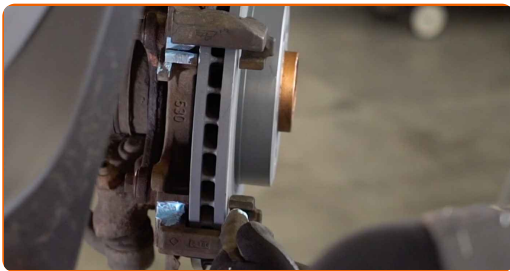


AUTODOC recommends:

- Replacement: brake pads – BMW X5 E53. After applying the spray, wait a few minutes.

19

Treat the brake caliper bracket where it contacts the brake pads. Use anti-squeal paste.



Replacement: brake pads – BMW X5 E53. Tip from AUTODOC experts:

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

20

Install new brake pads.

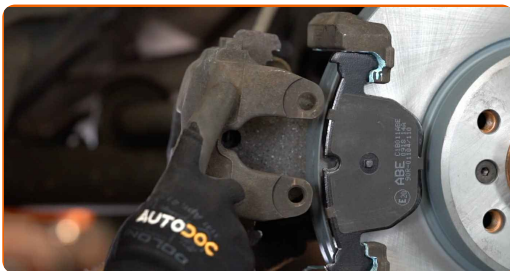


Replacement: brake pads – BMW X5 E53. Tip:

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

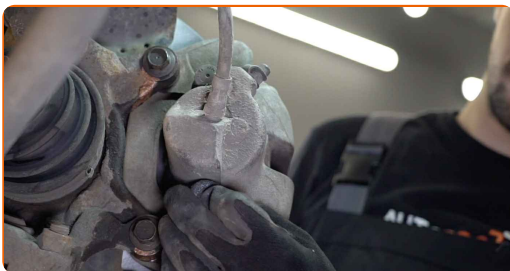
21

Install the brake caliper and fix it. 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.



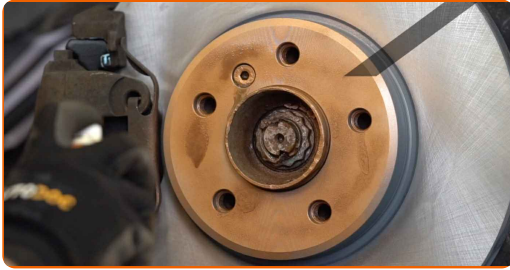
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Install the brake caliper retaining spring.



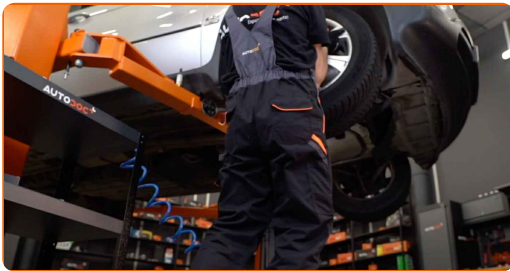
24

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



25

Install the wheel.

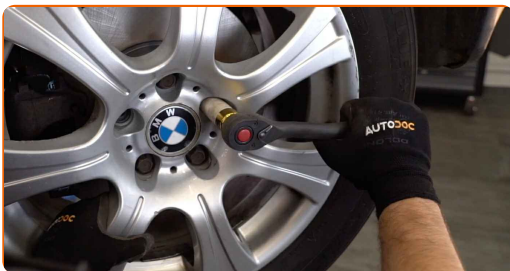


AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. BMW X5 E53

26

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



27

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 140 nm torque.

