

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:
BMW X5 (E53) 4.4 i, BMW X5 (E53) 3.0 d, BMW X5 (E53) 3.0 i

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE DISCS – BMW X5 E53. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Drive socket # 16
- HEX bit no.H7.
- Torx bit T30
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Brake caliper wind back tool
- Impact screwdriver
- Tap wrench
- Rubber mallet
- Crow bar
- Wheel chock

BUY TOOLS

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

- Replace the brake disks on the car BMW X5 E53 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.
- All work should be done with the engine stopped.

REPLACEMENT: BRAKE DISCS – BMW X5 E53. RECOMMENDED SEQUENCE OF STEPS:

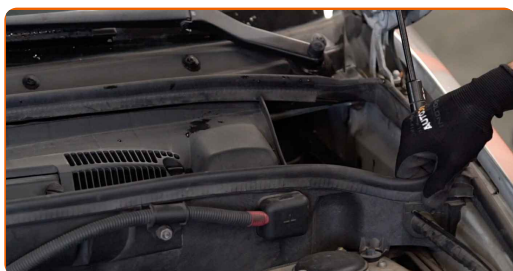
1

Open the bonnet.

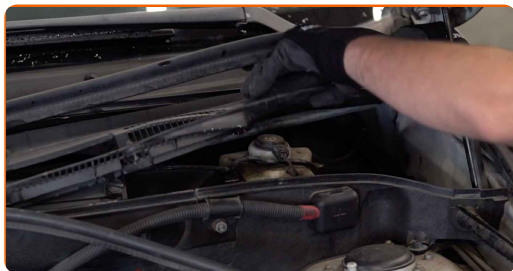


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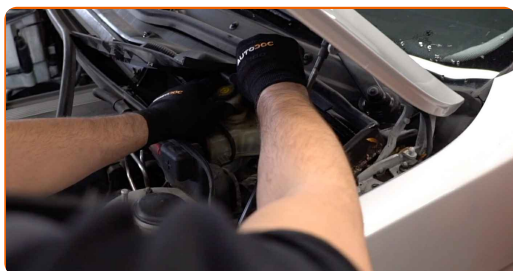
Remove the rubber strip.



3 Remove the protective cover.



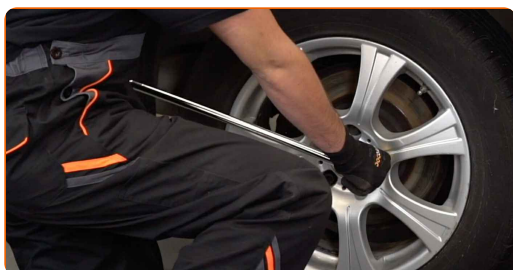
4 Unscrew the brake fluid reservoir cap.



5 Secure the wheels with chocks.



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

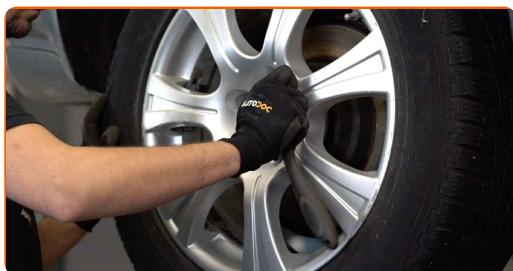


7 Raise the rear of the car and secure on supports.



8

Unscrew the wheel bolts.

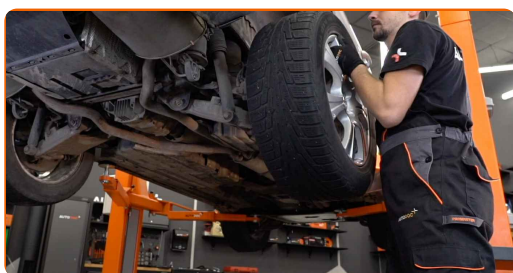


Replacement: brake discs – BMW X5 E53. Tip:

- To avoid injury, hold up the wheel when unscrewing the bolts.

9

Remove the wheel.



10

Spread the brake pads. Use a crowbar.



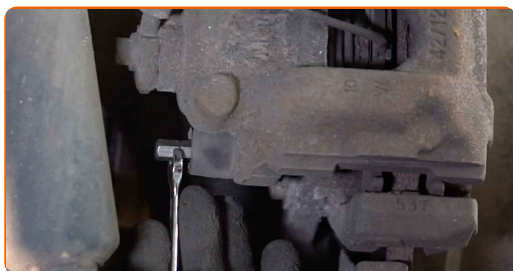
11

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



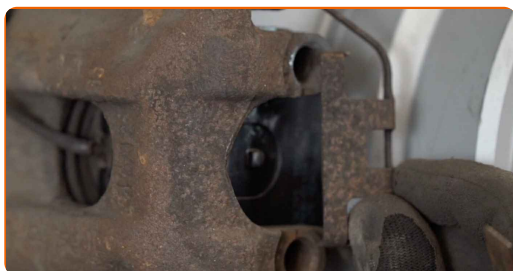
12

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



13

Detach the brake caliper retaining spring. Use a crowbar. Remove the brake caliper.



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

- 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.

14

Remove the brake pads. Use a crowbar.



15

Remove the connector of the brake pad wear sensor. Use a crowbar.

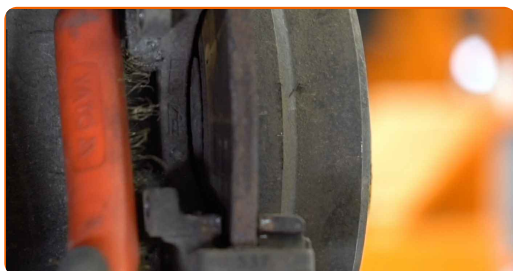


Please note!

- Some cars are not equipped with the brake pad wear sensor.

16

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



17

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



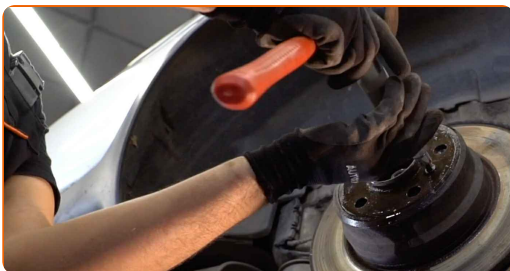
18 Remove the caliper bracket.



19 Clean the brake disk surface. Use a wire brush. Use WD-40 spray.



20 Unscrew the brake disc fastening. Use Torx T30. Use an impact screwdriver.



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

- If necessary, use a rubber mallet.

21 Remove the brake disc.



22

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



23

Install the brake disc.



24

Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 16 Nm torque.

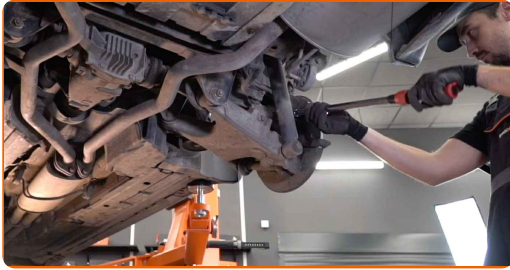


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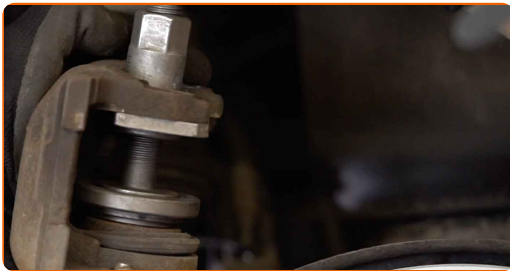
Install the brake caliper bracket.



26 Tighten the brake caliper bracket. Use a drive socket #16. Use a torque wrench. Tighten it to 110 Nm torque.



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



28 Install the brake pads.



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

- If going to use the old brake pads, clean them.