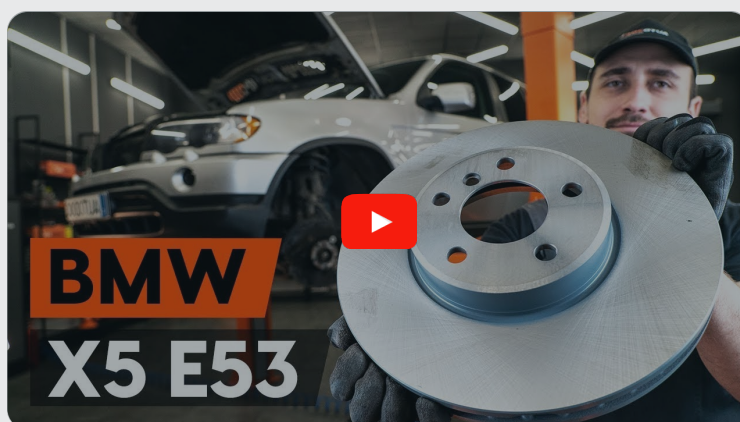


VIDEO TUTORIAL

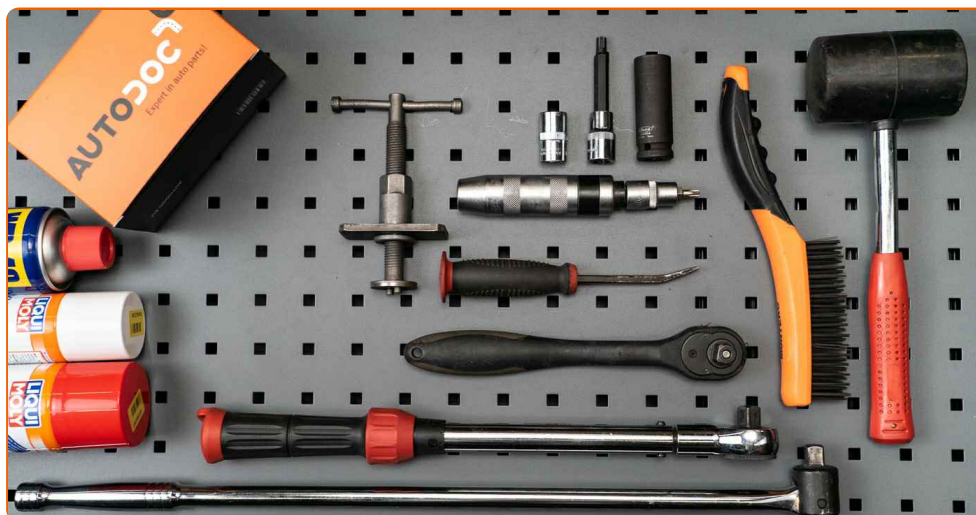


Important!

This replacement procedure can be used for:
BMW X5 (E53) 4.4 i, 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. Professionals 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.
- Warning! Shut down the engine before starting any work – BMW X5 E53.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

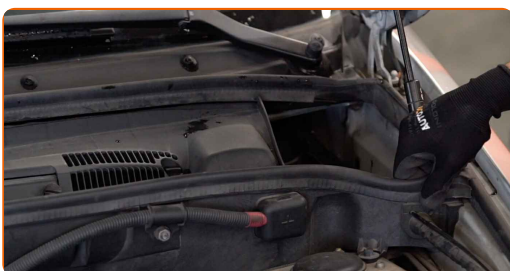
1

Open the bonnet.

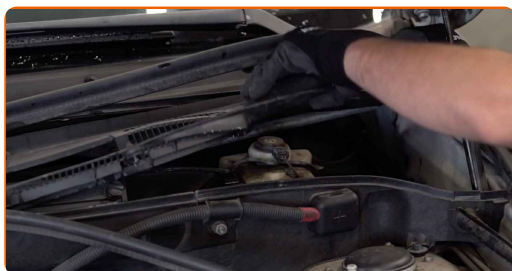


2

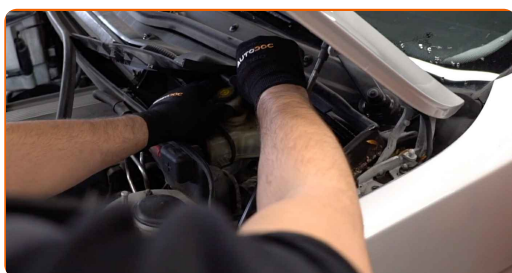
Remove the rubber strip.



3 Remove the protective cover.



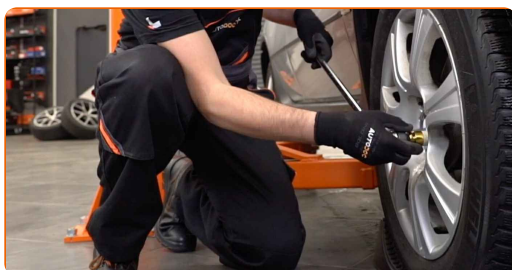
4 Unscrew the brake fluid reservoir cap.



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.



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

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

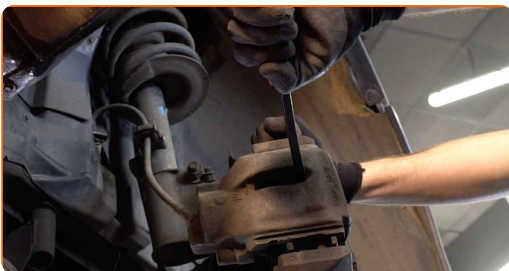
9

Remove the wheel.



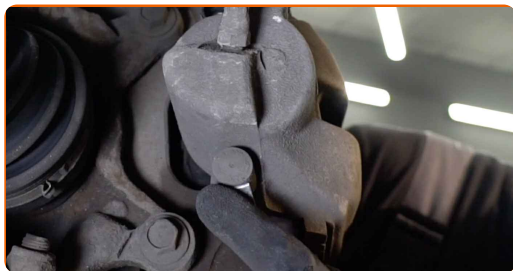
10

Spread the brake pads. Use a crowbar.



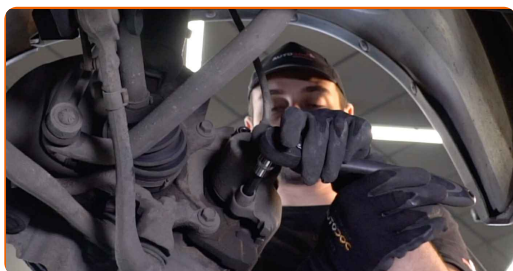
11

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



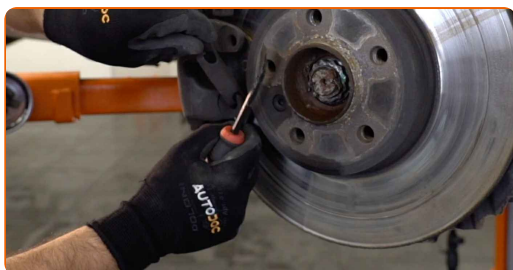
12

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



13

Detach the brake caliper retaining spring. Use a crowbar.



14

Remove the brake caliper.

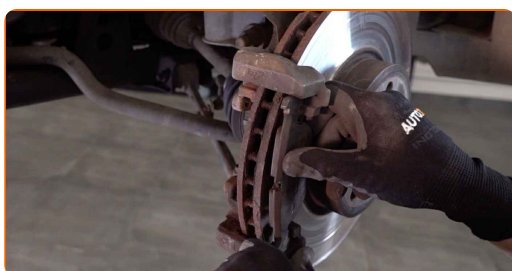


Replacement: brake discs – BMW X5 E53. Tip from AUTODOC:

- 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.

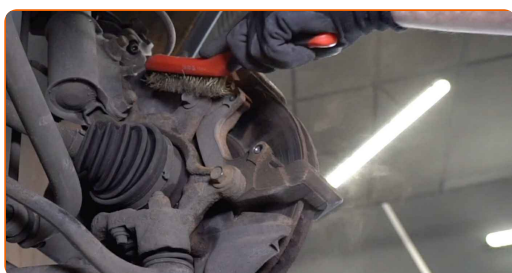
15

Remove the brake pads. Use a crowbar.



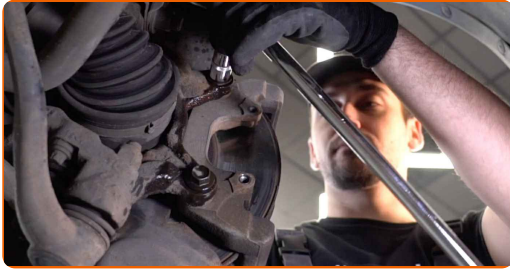
16

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:

- If necessary, use a rubber mallet.

21 Remove the brake disc.



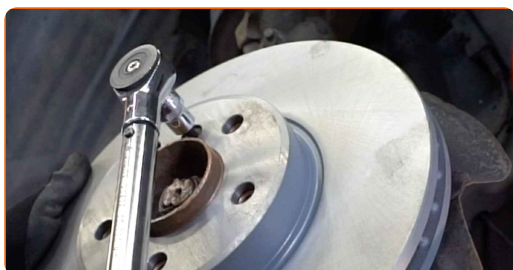
22 Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



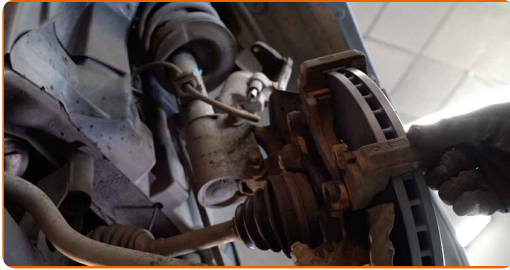
23 Install the brake disc.



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



25 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 Clean the mounting seats of the caliper and its bracket. Use a wire brush. Use a brake cleaner.



AUTODOC recommends:

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