



How to change front
brake pads on **BMW E46**
touring – replacement
guide

VIDEO TUTORIAL



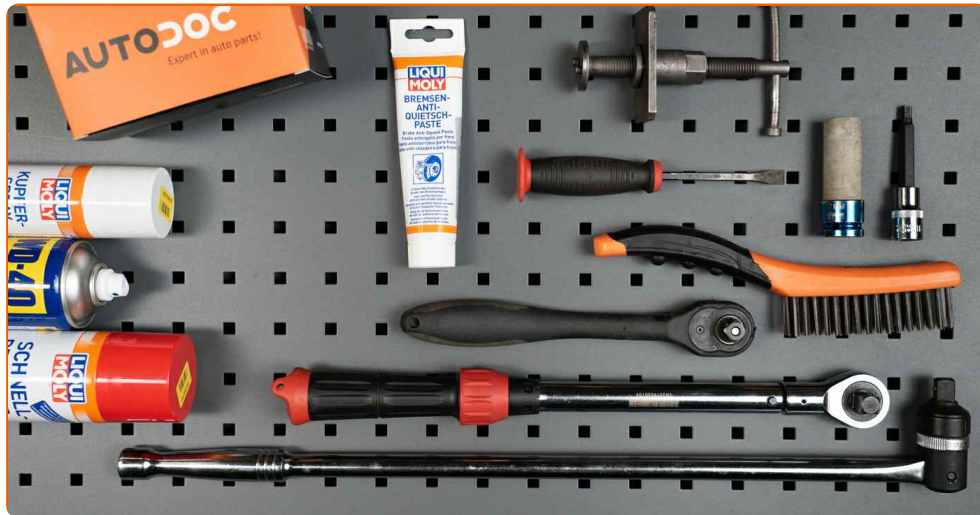
i Important!

This replacement procedure can be used for:

BMW X3 (E83) xDrive 20 d, BMW X3 (E83) xDrive 30 d, BMW 3 Saloon (E46) 330d 2.9, BMW 3 Touring (E46) 330d 2.9, BMW 3 Touring (E46) 330xd 2.9, BMW 3 Saloon (E46) 330xd 2.9, BMW 3 Saloon (E46) 330xi 3.0, BMW 3 Touring (E46) 330xi 3.0, BMW 3 Saloon (E46) 330i 3.0, BMW 3 Touring (E46) 330i 3.0, BMW 3 Convertible (E46) 330Ci 3.0, BMW 3 Saloon (E46) 325i 2.5, BMW 3 Saloon (E46) 325xi 2.5, BMW 3 Coupe (E46) 330Cd 3.0, BMW 3 Saloon (E46) 330d 3.0, (+ 18)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE PADS – BMW E46 TOURING. TOOLS YOU'LL NEED:



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

[BUY TOOLS](#)

Replacement: brake pads – BMW E46 touring. Tip from AUTODOC:

- 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.
- Warning! Shut down the engine before starting any work – BMW E46 touring.

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 #17.



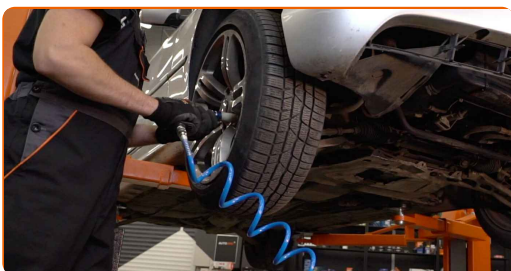
4

Raise the front of the car and secure on supports.



5

Unscrew the wheel bolts.

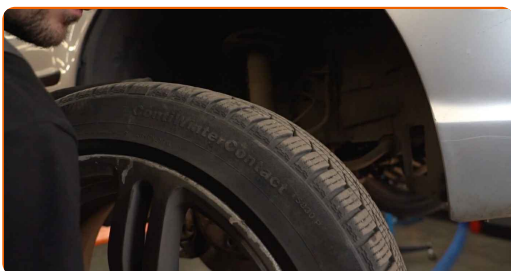


Replacement: brake pads – BMW E46 touring. AUTODOC experts recommend:

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

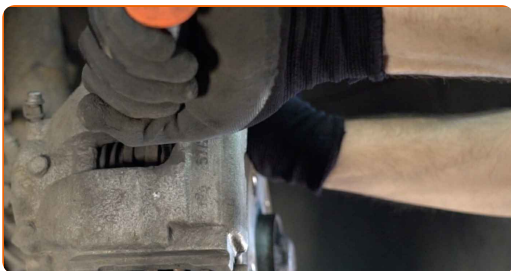
6

Remove the wheel.



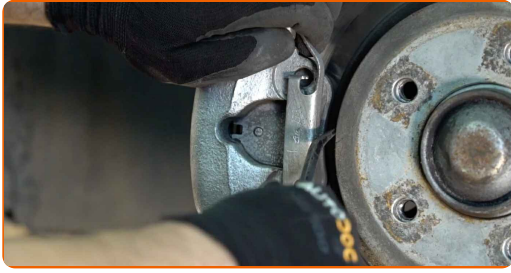
7

Spread the brake pads. Use a crowbar.



8

Detach the brake caliper retaining spring. Use a crowbar.



9

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



10

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



11

Remove the brake caliper.



Replacement: brake pads – BMW E46 touring. 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.

12

Remove the brake pads.



Replacement: brake pads – BMW E46 touring. Tip:

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

13

Treat the brake caliper piston. Use a brake cleaner.



Replacement: brake pads – BMW E46 touring. Professionals recommend:

- After applying the spray, wait a few minutes.

14

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



15

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



AUTODOC recommends:

- Replacement: brake pads – BMW E46 touring. After applying the spray, wait a few minutes.

16

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



Replacement: brake pads – BMW E46 touring. Tip from AUTODOC experts:

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

17

Install new brake pads.

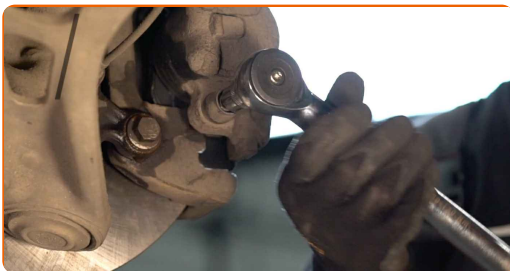


Replacement: brake pads – BMW E46 touring. Tip:

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

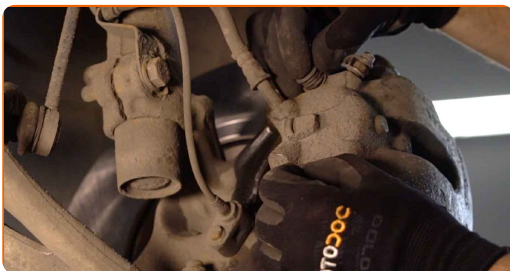
18

Install the brake caliper and fix it. Use HEX No.H7. Use a torque wrench. Tighten it to 30 Nm torque.



19

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



20

Install the brake caliper retaining spring.



21

Clean the brake disk surface. Use a brake cleaner.

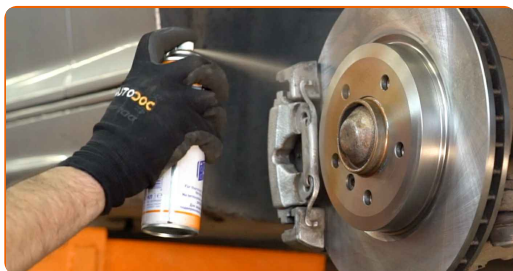


AUTODOC recommends:

- Replacement: brake pads – BMW E46 touring. After applying the spray, wait a few minutes.

22

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



23

Install the wheel.



Replacement: brake pads – BMW E46 touring. Tip from AUTODOC experts:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

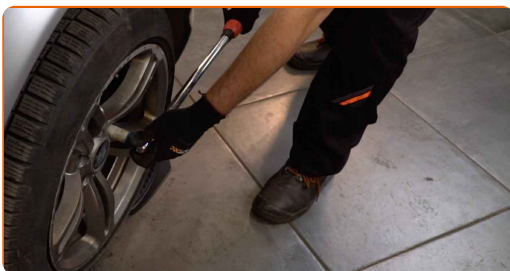
24

Screw in the wheel bolts. Use wheel impact socket #17.



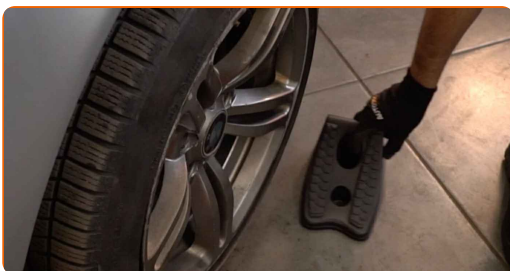
25

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 nm torque.



26

Remove the jacks and chocks.



Replacement: brake pads – BMW E46 touring. AUTODOC recommends:

- Check the brake fluid level in the expansion tank and refill if necessary.

27

Tighten the brake fluid reservoir cap.



AUTODOC recommends:

- BMW E46 touring – Press the brake pedal several times with the engine shut down until you feel the resistance built up.

28

Close the hood.



Replacement: brake pads – BMW E46 touring. Tip from AUTODOC experts:

- Slow down smoothly for first 150-200 km after the brake pads replacement. Avoid unnecessary and sharp braking to a stop.

WELL DONE! 

[VIEW MORE TUTORIALS](#)

AUTODOC – TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

AUTODOC MOBILE APP: GREAT DEALS AND CONVENIENT SHOPPING



+ AUTODOC

GET IT ON
Google Play

Download on the
App Store

Download

A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

BUY SPARE PARTS FOR BMW

BRAKE PADS: A WIDE SELECTION

CHOOSE CAR PARTS FOR BMW E46 TOURING

BRAKE PADS FOR BMW: BUY NOW

BRAKE PADS FOR BMW E46 TOURING: THE BEST DEALS & OFFERS

DISCLAIMER:

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.

© Copyright 2023 – All the contents of this website, in particular texts, photographs and graphics, are protected by copyright. All rights, including reproduction, publication, editing and translation rights, are reserved by AUTODOC SE.