



How to change front  
brake pad wear sensor on  
**BMW E46 Touring** –  
replacement guide

## VIDEO TUTORIAL



### **i Important!**

This replacement procedure can be used for:

BMW 3 Saloon (E46) 318i 1.9, BMW 3 Saloon (E46) 328i 2.8, BMW 3 Saloon (E46) 320d 2.0, BMW 3 Saloon (E46) 323i 2.5, BMW 3 Saloon (E46) 320i 2.0, BMW 3 Coupe (E46) 323Ci 2.5, BMW 3 Coupe (E46) 328Ci 2.8, BMW 3 Saloon (E46) 316i 1.9, BMW 3 Touring (E46) 320i 2.0, BMW 3 Coupe (E46) 320Ci 2.0, BMW 3 Coupe (E46) 318Ci 1.9, BMW 3 Touring (E46) 318i 1.9, BMW 3 Touring (E46) 328i 2.8, BMW 3 Touring (E46) 320d 2.0, BMW 3 Convertible (E46) 323Ci 2.5, (+ 33)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE PAD WEAR SENSOR – BMW  
E46 TOURING. TOOLS YOU'LL NEED:



- Wire brush
- Brake cleaner
- Electronic spray
- Copper grease
- Torque wrench
- Wheel impact socket #17
- Round-nose pliers
- Wheel chock

**BUY TOOLS**

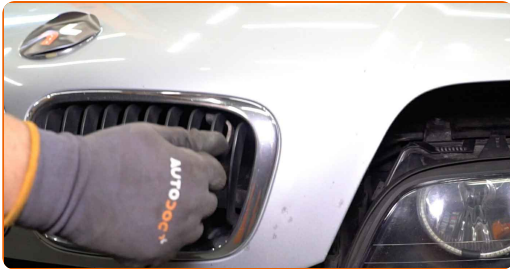
Replacement: brake pad wear sensor – BMW E46 Touring. AUTODOC experts recommend:

- The replacement procedure is identical for both brake pad wear sensors on the same axle.
- Please note: all work on the car – BMW E46 Touring – should be done with the engine switched off.

## 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.



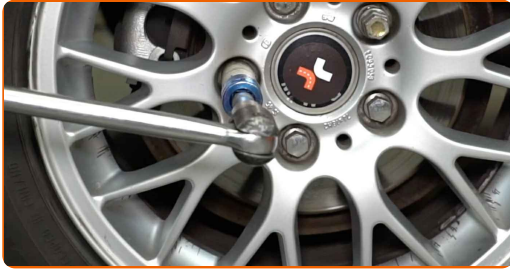
4

Lift the car using a jack or place it over an inspection pit.



5

Unscrew the wheel bolts.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
BMW E46 Touring

6

Remove the wheel.



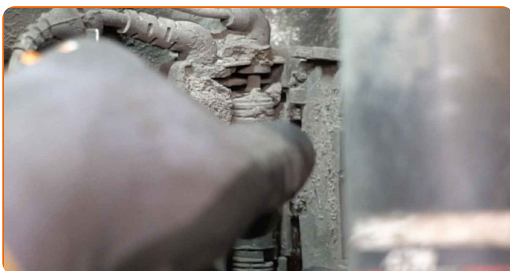
7

Remove the brake pad wear sensor from the brake pad. Use round-nose pliers.

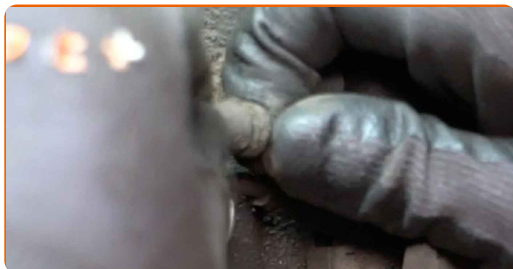


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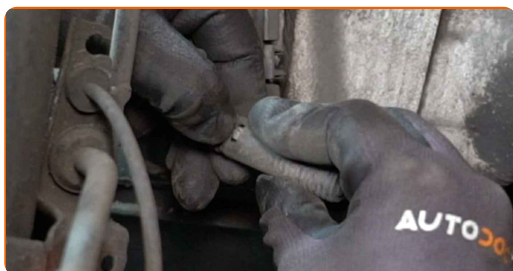
Open the cover of the wiring housing.



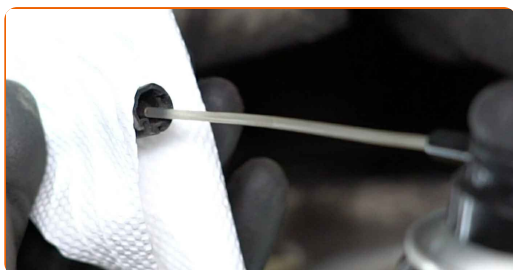
9 Disconnect the brake pad wear sensor wire.



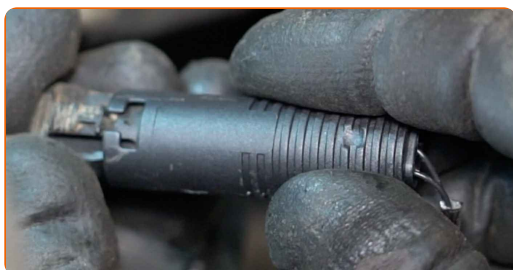
10 Detach the connector of the brake pad wear sensor.



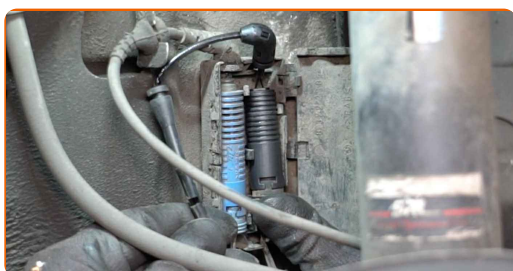
11 Treat the brake pad wear sensor plug. Use dielectric grease.



12 Attach the connector of the brake pad wear sensor.

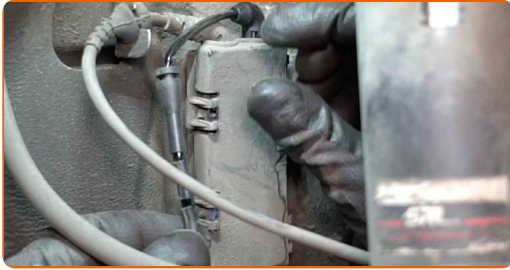


13 Connect the brake pad wear sensor wire.



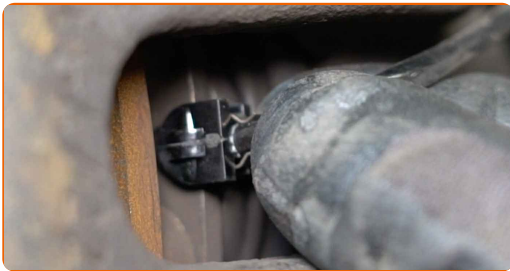
14

Close the wiring housing cover.



15

Install the wear sensor on the brake pads. Use round-nose pliers.



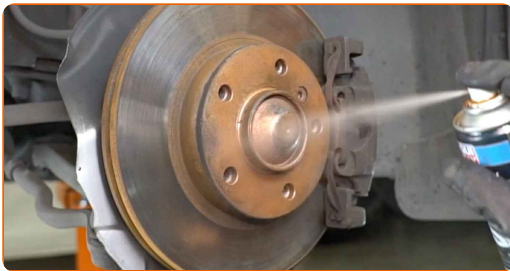
16

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



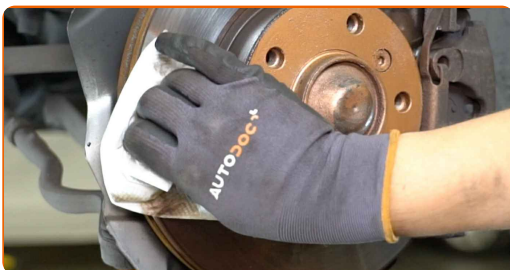
17

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



18

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake pad wear sensor – BMW E46 Touring. After applying the spray, wait a few minutes.

19

Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. BMW E46 Touring

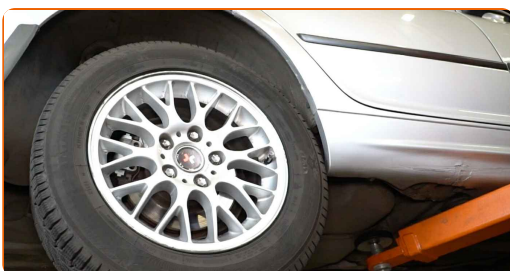
20

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



21

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.





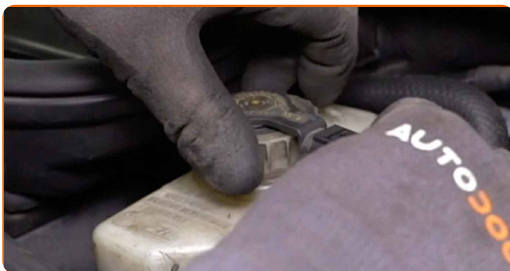
22

Remove the jacks and chocks.



23

Tighten the brake fluid reservoir cap. Close the hood.

**WELL DONE!** 👍[VIEW MORE TUTORIALS](#)

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