



How to change rear
brake pad wear sensor on
BMW 3 Saloon (E46) –
replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

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 Saloon (E46) 316i 1.9, BMW 3 Saloon (E46) 330d 2.9, BMW 3 Saloon (E46) 330xd 2.9, BMW 3 Saloon (E46) 330xi 3.0, BMW 3 Saloon (E46) 330i 3.0, BMW 3 Saloon (E46) 320i 2.2, BMW 3 Saloon (E46) 325i 2.5, BMW 3 Saloon (E46) 325xi 2.5, BMW 3 Saloon (E46) 316i 1.6, BMW 3 Saloon (E46) 318i 2.0, (+ 4)

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: BMW 3 Touring (E46) 320d 2.0

REPLACEMENT: BRAKE PAD WEAR SENSOR – BMW 3 SALOON (E46). 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 3 Saloon (E46). 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 3 Saloon (E46) – 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.

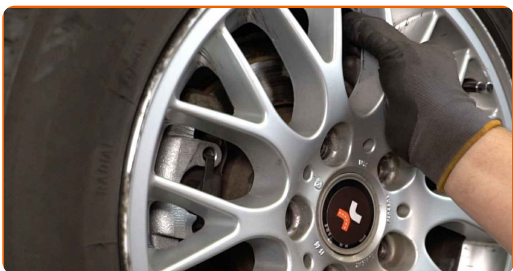


AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
BMW 3 Saloon (E46)

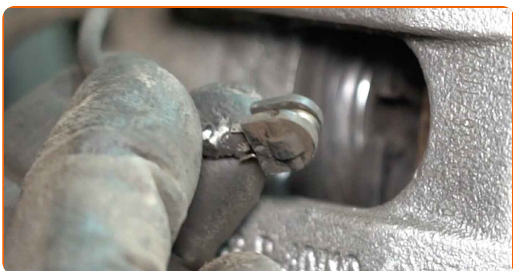
6

Remove the wheel.



7

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



8

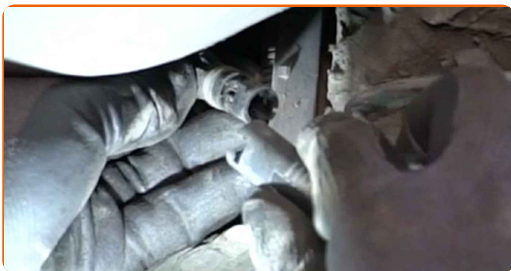
Disconnect the brake pad wear sensor wire.

9

Open the cover of the wiring housing.



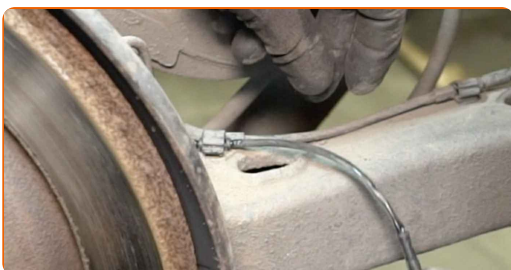
10 Detach the connector of the brake pad wear sensor.



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



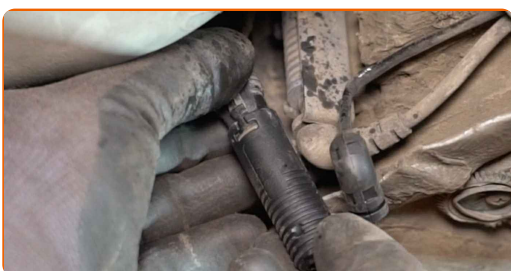
12 Connect the brake pad wear sensor wire.



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



14 Attach the connector of the brake pad wear sensor.



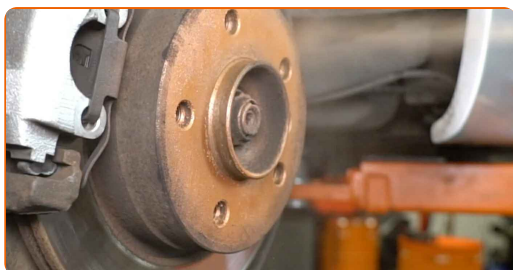
15 Close the wiring housing cover.



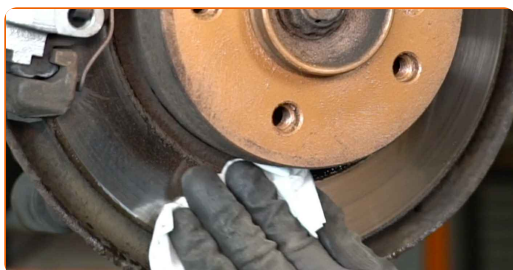
16 Clean the wheel rim mounting seat. Use a wire brush.



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 3 Saloon (E46). 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 3 Saloon (E46)

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! 

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BRAKE PAD WEAR SENSOR: A WIDE SELECTION

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