

## SIMILAR VIDEO TUTORIAL



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

### **Important!**

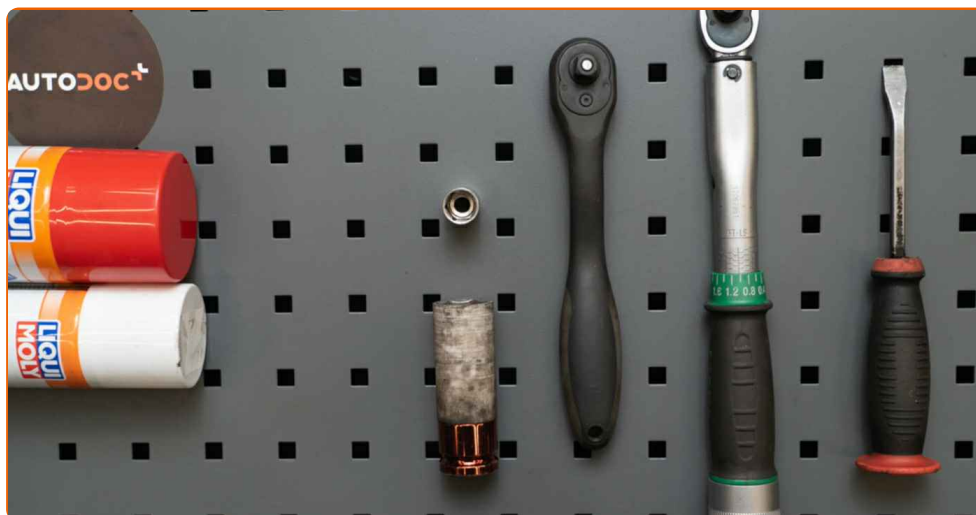
This replacement procedure can be used for:

BMW 1 Hatchback (E87) 116i 1.6, BMW 1 Hatchback (E87) 116i 2.0, BMW 1 Hatchback (E87) 118i 2.0, BMW 1 Hatchback (E87) 120i 2.0, BMW 1 Hatchback (E87) 130i 3.0, BMW 1 Hatchback (E87) 116d 2.0, BMW 1 Hatchback (E87) 118d 2.0, BMW 1 Hatchback (E87) 120d 2.0, BMW 1 Hatchback (E87) 123d 2.0

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 1 Coupe (E82) 125i 3.0

## REPLACEMENT: BRAKE PAD WEAR SENSOR – BMW 1 HATCHBACK (E87). LIST OF THE TOOLS YOU'LL NEED:



- Brake cleaner
- Copper grease
- Drive socket # 10
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Crow bar
- Wheel chock

**Buy tools**

### Replacement: brake pad wear sensor – BMW 1 Hatchback (E87). AUTODOC recommends:

- The replacement procedure is identical for both brake pad wear sensors on the same axle.
- Warning! Shut down the engine before starting any work – BMW 1 Hatchback (E87).

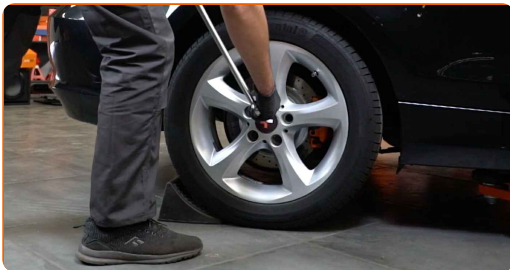
## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1

Secure the wheels with chocks.

2

Loosen the wheel mounting bolts. Use wheel impact socket #17.

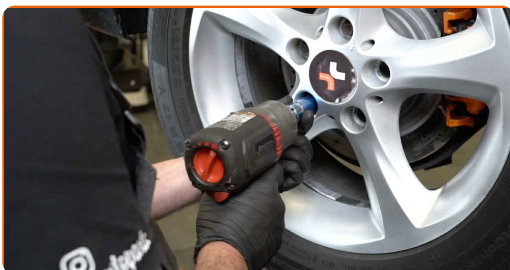


3

Raise the rear of the car and secure on supports.

4

Unscrew the wheel bolts.

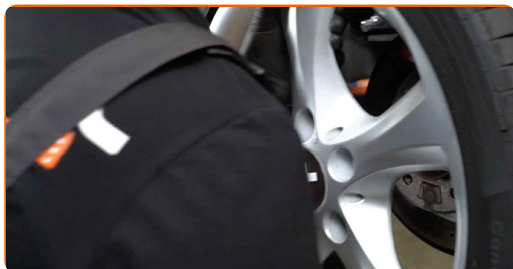


## Replacement: brake pad wear sensor – BMW 1 Hatchback (E87). Tip:

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

5

Remove the wheel.



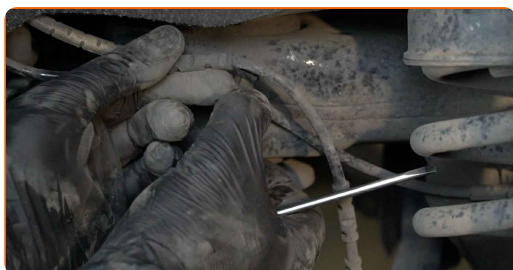
6

Remove the brake pad wear sensor from the brake pad.



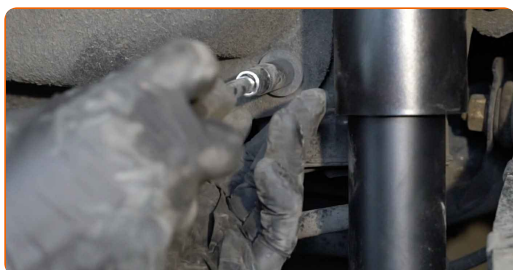
7

Disconnect the brake pads wear sensor. Use a crowbar.

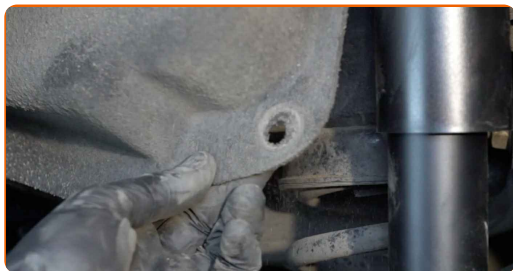


8

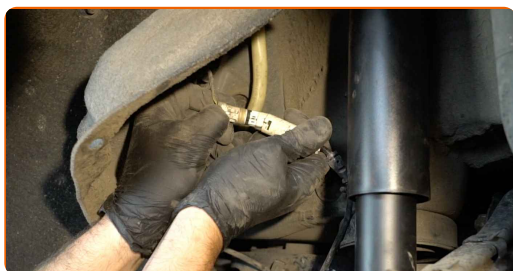
Unscrew the wheel arch cover fasteners. Use a drive socket #10. Use a ratchet wrench.



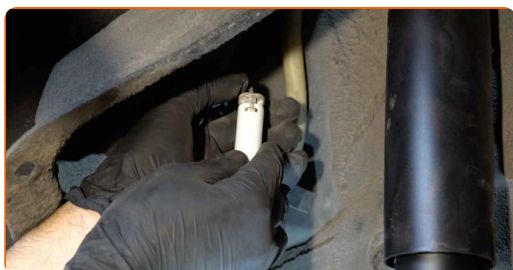
**9** Move the part aside.



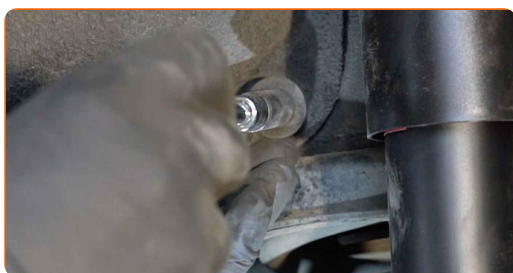
**10** Disconnect the brake pad wear sensor plug.



**11** Connect the brake pad wear sensor plug.



**12** Install the wheel arch cover to its mounting seat. Screw in the fasteners. Use a drive socket #10. Use a ratchet wrench.



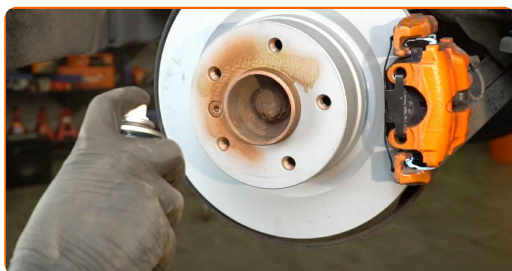
**13** Connect the brake pads wear sensor.



- 14 Install the wear sensor on the brake pads.



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



- 16 Clean the brake disk surface. Use a brake cleaner.



Replacement: brake pad wear sensor – BMW 1 Hatchback (E87). Tip from AUTODOC:

- After applying the spray, wait a few minutes.

- 17 Install the wheel.





### AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. BMW 1 Hatchback (E87)

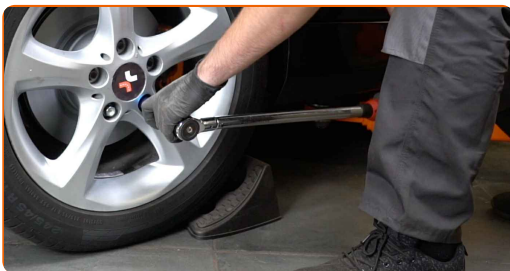
18

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



19

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.



20

Remove the jacks and chocks.



**WELL DONE!** 

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