



How to change rear  
brake pad wear sensor on  
**BMW 1 Hatchback (E81)**  
– 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 1 Hatchback (E81) 116i 1.6, BMW 1 Hatchback (E81) 120d 2.0, BMW 1 Hatchback (E81) 130i 3.0, BMW 1 Hatchback (E81) 118i 2.0, BMW 1 Hatchback (E81) 120i 2.0, BMW 1 Hatchback (E81) 118d 2.0, BMW 1 Hatchback (E81) 123d 2.0, BMW 1 Hatchback (E81) 116i 2.0, BMW 1 Hatchback (E81) 116d 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 (E81). 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 (E81). 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 (E81).

## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

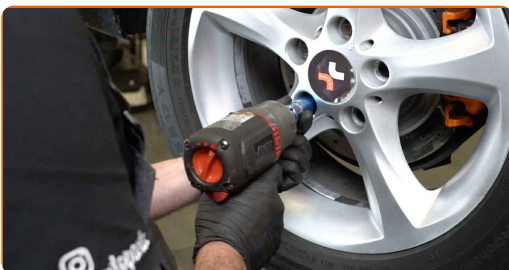
**1** Secure the wheels with chocks.

**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 (E81). Tip:

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

**5** Remove the wheel.



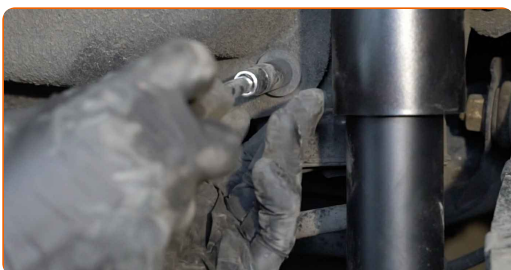
**6** Remove the brake pad wear sensor from the brake pad.



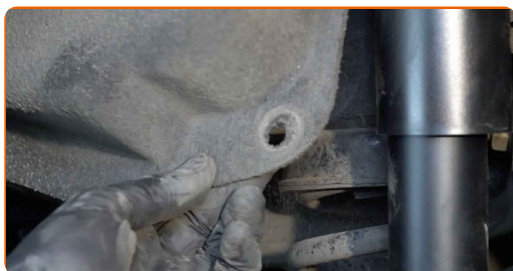
**7** Disconnect the brake pads wear sensor. Use a crowbar.



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



**9** Move the part aside.



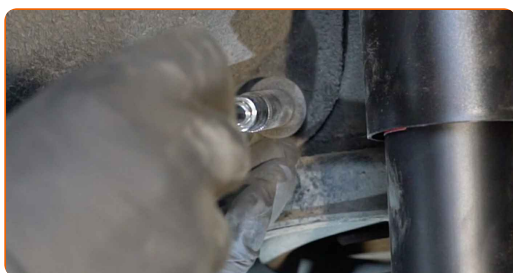
**10** Disconnect the brake pad wear sensor plug.



**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.



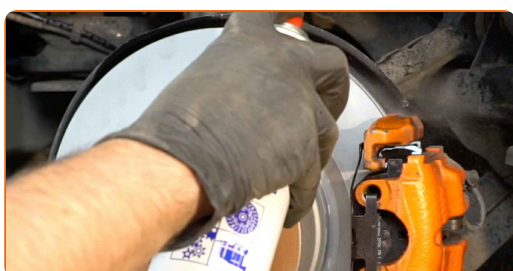
**14** Install the wear sensor on the brake pads.



**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 (E81). Tip from AUTODOC:

- After applying the spray, wait a few minutes.

**17** Install the wheel.



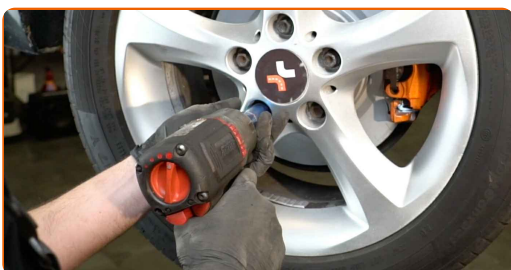


AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. BMW 1 Hatchback (E81)

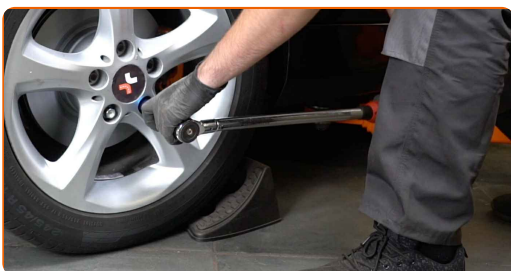
18

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.



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Remove the jacks and chocks.



**WELL DONE!** 

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