



How to change front  
brake pad wear sensor on  
**BMW 3 Touring (E91)** –  
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 Touring (E91) 318i 2.0, BMW 3 Touring (E91) 316d 2.0, BMW 3 Touring (E91) 320i 2.0, BMW 3 Touring (E91) 325i 2.5, BMW 3 Touring (E91) 330i 3.0, BMW 3 Touring (E91) 320d 2.0, BMW 3 Touring (E91) 330d 3.0, BMW 3 Touring (E91) 325xi 2.5, BMW 3 Touring (E91) 318d 2.0, BMW 3 Touring (E91) 335i 3.0, BMW 3 Touring (E91) 335d 3.0, BMW 3 Touring (E91) 325d 3.0, BMW 3 Touring (E91) 330xi 3.0, BMW 3 Touring (E91) 325i 3.0, BMW 3 Touring (E91) 323i 2.5, (+ 6)

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 3  
TOURING (E91). TOOLS YOU'LL NEED:



- Nylon cleaning brush
- Electronic spray
- Brake cleaner
- Copper grease
- Wheel impact socket #17
- Torque wrench
- Wheel chock

**Buy tools**

Replacement: brake pad wear sensor – BMW 3 Touring (E91). AUTODOC recommends:

- The replacement procedure is identical for both brake pad wear sensors on the same axle.
- All work should be done with the engine stopped.

**REPLACEMENT: BRAKE PAD WEAR SENSOR – BMW 3 TOURING (E91). RECOMMENDED SEQUENCE OF STEPS:**

**1** Secure the wheels with chocks.



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



**3** Raise the front of the car and secure on supports.

**4** Unscrew the wheel bolts.



Replacement: brake pad wear sensor – BMW 3 Touring (E91). AUTODOC experts recommend:

- 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.



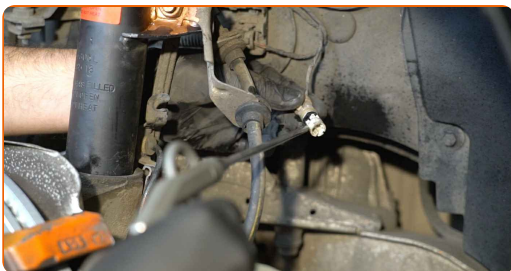
8 Clean the brake pad wear sensor plug. Use a nylon cleaning brush.



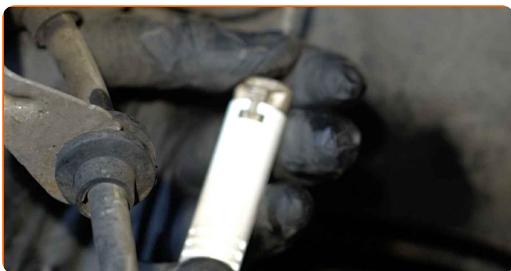
9 Disconnect the brake pad wear sensor plug.



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



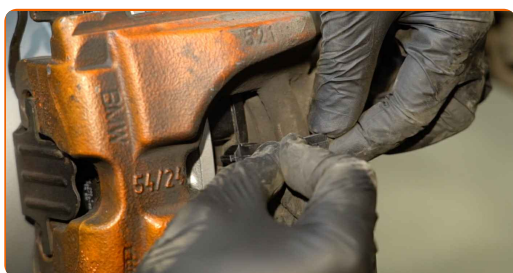
11 Connect the brake pad wear sensor plug.



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



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



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



**15** Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: brake pad wear sensor – BMW 3 Touring (E91). After applying the spray, wait a few minutes.



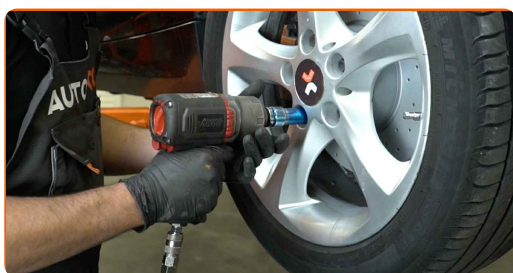
**16** Install the wheel.



Replacement: brake pad wear sensor – BMW 3 Touring (E91). Tip:

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

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



**18** 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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