



How to change front anti  
roll bar links on **BMW 3**  
**Compact (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 Compact (E46) 316ti 1.8, BMW 3 Compact (E46) 325ti 2.5, BMW 3 Compact (E46) 318ti 2.0, BMW 3 Compact (E46) 320td 2.0, BMW 3 Compact (E46) 318td 2.0, BMW 3 Compact (E46) 316ti 1.6, BMW 3 Compact (E46) 318Ti 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 3 Touring (E46) 330d 3.0

REPLACEMENT: ANTI ROLL BAR LINKS – BMW 3 COMPACT (E46). TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Combination spanner #17
- Drive socket # 17
- HEX bit no.H7
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Fender cover
- Wheel chock

[Buy tools](#)

**AUTODOC recommends:**

- Replace the stabiliser links on BMW 3 Compact (E46) in pairs.
- The replacement procedure is identical for both stabiliser links on the same axle.
- Warning! Shut down the engine before starting any work – BMW 3 Compact (E46).

**CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:**

**1** Open the hood.

**2** Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

**3** Secure the wheels with chocks.



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



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

6

Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. BMW 3 Compact (E46)

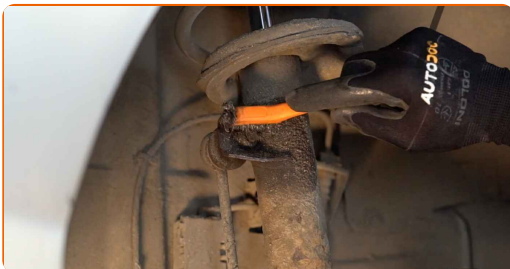
7

Remove the wheel.



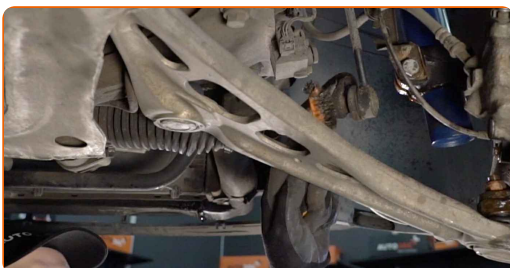
8.1

Clean the stabiliser link fasteners.



8.2

Use a wire brush. Use WD-40 spray.



- 9 Unscrew the fastener connecting the stabilizer link to the shock strut. Use HEX No.H7. Use a combination spanner #17. Use a ratchet wrench.



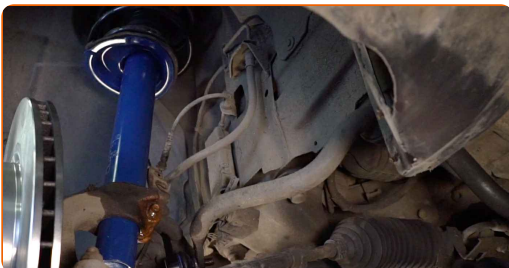
- 10 Unscrew the fastener connecting the stabilizer link to the stabilizer bar. Use HEX No.H7. Use a combination spanner #17. Use a ratchet wrench.



- 11 Remove the stabilizer rod.



- 12 Install a new rod, tighten the fasteners.





- 13** Tighten the fastener connecting the stabilizer link to the shock strut. Use a drive socket #17. Use a combination spanner #17. Use a torque wrench. Tighten it to 55 Nm torque.



- 14** Tighten the fastener connecting the stabilizer link to the stabilizer bar. Use a drive socket #17. Use a combination spanner #17. Use a torque wrench. Tighten it to 55 Nm torque.



- 15.1** Treat all joints of the stabiliser link.



- 15.2** Use copper grease.



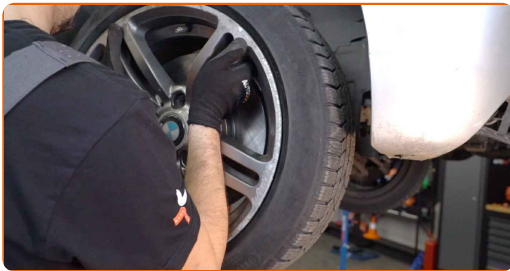
16

Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.



17

Install the wheel.

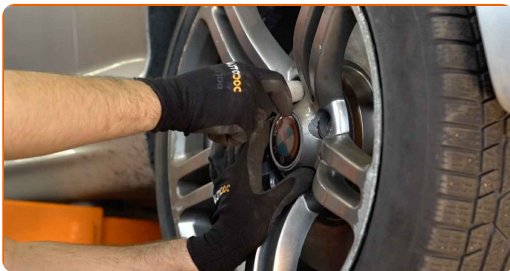


**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. BMW 3 Compact (E46)

18

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

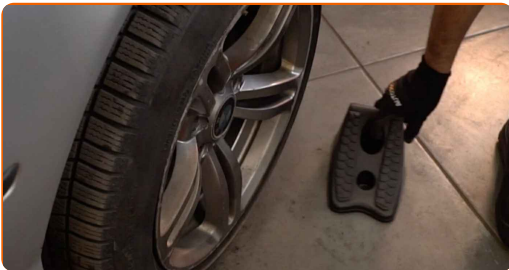




- 19** Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.



- 20** Remove the jacks and chocks.



- 21** Remove the fender protection cover.

- 22** Close the hood.

**WELL DONE!** 

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