



How to change front anti  
roll bar links 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) 325i 3.0, BMW 3 Touring (E91) 318d 2.0, 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) 335i 3.0, BMW 3 Touring (E91) 335d 3.0, BMW 3 Touring (E91) 325d 3.0, BMW 3 Touring (E91) 323i 2.5, BMW 3 Touring (E91) 316i 1.6

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 3 Saloon (E90) 318i 2.0

## REPLACEMENT: ANTI ROLL BAR LINKS – BMW 3 TOURING (E91). AUTODOC EXPERTS RECOMMEND:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #17
- Drive socket # 16
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Wheel chock

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### AUTODOC recommends:

- Replace the stabiliser links on BMW 3 Touring (E91) in pairs.
- The replacement procedure is identical for both stabiliser links on the same axle.
- Please note: all work on the car – BMW 3 Touring (E91) – should be done with the engine switched off.

## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

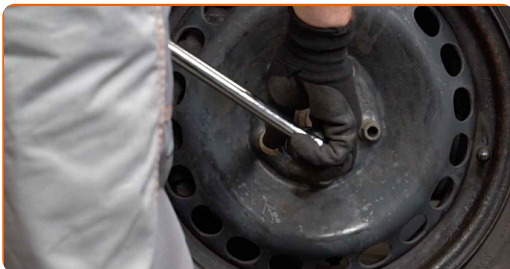
1

Secure the wheels with chocks.



2

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



3

Raise the front of the car and secure on supports.

4

Unscrew the wheel bolts.

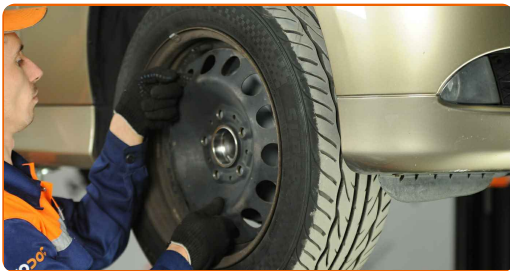


### AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
BMW 3 Touring (E91)

5

Remove the wheel.



6

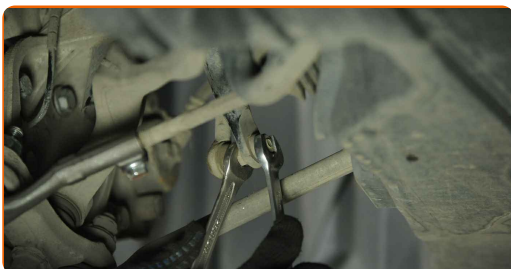
Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.

7

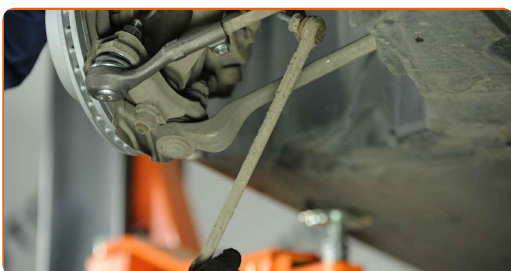
Unscrew the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #17. Use a drive socket #16. Use a ratchet wrench.



- 8** Unscrew the fastener connecting the stabilizer link to the stabilizer bar. Use a combination spanner #17 (2 pieces).



- 9** Remove the stabilizer rod.

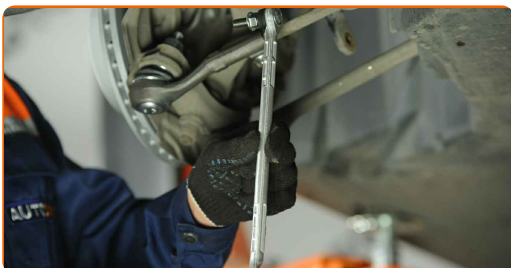


Replacement: anti roll bar links – BMW 3 Touring (E91). Tip from AUTODOC experts:

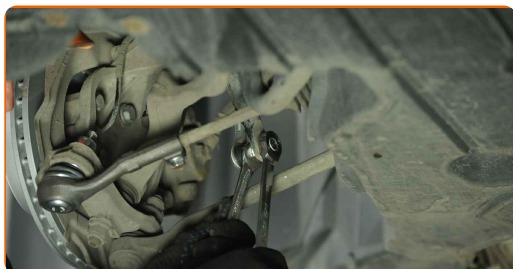
- Examine stabiliser bushes. Replace them if needed.

- 10** Clean the mounting seats of the stabiliser link. Use a wire brush. Use WD-40 spray.

- 11** Install a new rod, tighten the fasteners.



- 12** Tighten the fastener connecting the stabilizer link to the stabilizer bar. Use a combination spanner #17 (2 pieces). Use a torque wrench. Tighten it to 58 Nm torque.

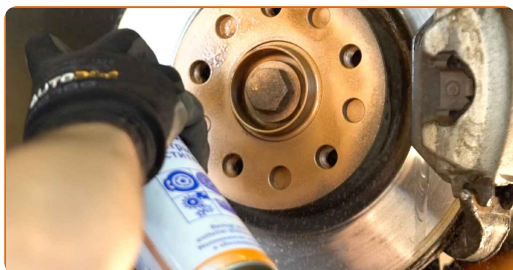


- 13** Tighten the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #17. Use a drive socket #16. Use a torque wrench. Tighten it to 58 Nm torque.



- 14** Treat all joints of the stabiliser link. Use copper grease.

- 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.



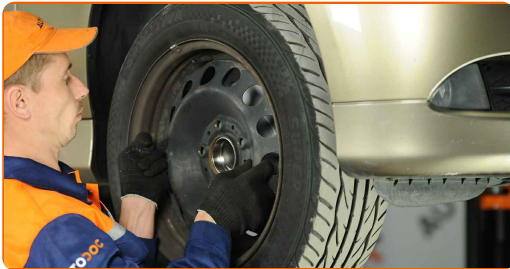


### AUTODOC recommends:

- Replacement: anti roll bar links – BMW 3 Touring (E91). 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 3 Touring (E91)

18

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



19

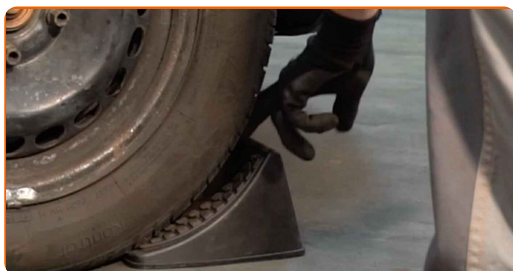
Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.





20

Remove the jacks and chocks.



**WELL DONE!** 

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