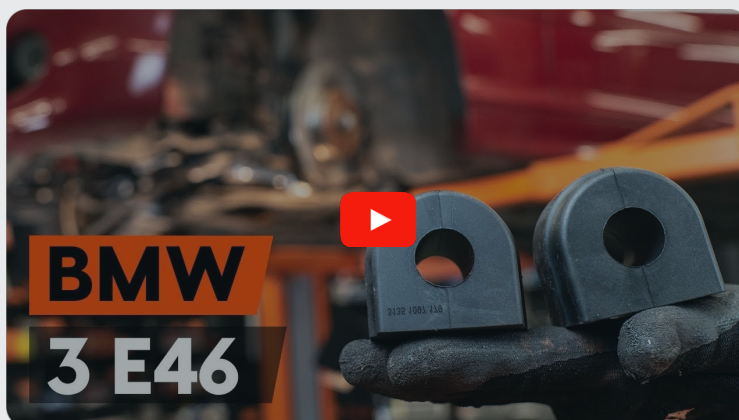




How to change front anti  
roll bar bushes on **BMW**  
**3 Coupe (E46)** –  
replacement guide

## 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 Coupe (E46) 323Ci 2.5, BMW 3 Coupe (E46) 328Ci 2.8, BMW 3 Coupe (E46) 320Ci 2.0, BMW 3 Coupe (E46) 318Ci 1.9, BMW 3 Coupe (E46) 330xi 3.0, BMW 3 Coupe (E46) 320Ci 2.2, BMW 3 Coupe (E46) 325Ci 2.5, BMW 3 Coupe (E46) 316Ci 1.6, BMW 3 Coupe (E46) 318Ci 2.0, BMW 3 Coupe (E46) 330Cd 3.0, BMW 3 Coupe (E46) 320Cd 2.0, BMW 3 Coupe (E46) 330Ci 3.0

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 Convertible (E46) 318Ci 2.0

## REPLACEMENT: ANTI ROLL BAR BUSHES – BMW 3 COUPE (E46). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Drive socket # 16
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Phillips screwdriver
- Wheel chock

**Buy tools**

Replacement: anti roll bar bushes – BMW 3 Coupe (E46). AUTODOC recommends:

- Both stabilizer bushes should be replaced simultaneously.
- The replacement procedure is identical for the right and left stabilizer bushes.
- All work should be done with the engine stopped.

## REPLACEMENT: ANTI ROLL BAR BUSHES – BMW 3 COUPE (E46). RECOMMENDED SEQUENCE OF STEPS:

1

Secure the wheels with chocks.



2

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

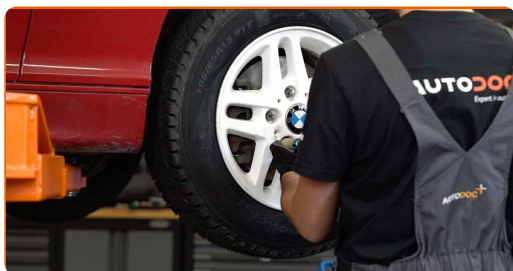


3

Raise the front of the car and secure on supports.

4

Unscrew the wheel bolts.

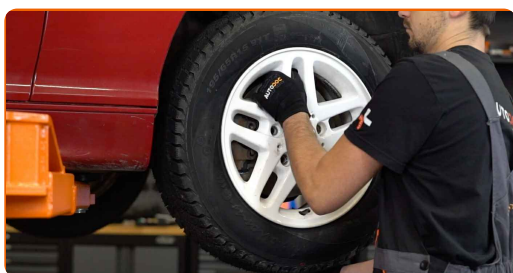


Replacement: anti roll bar bushes – BMW 3 Coupe (E46). Tip:

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

5

Remove the wheel.



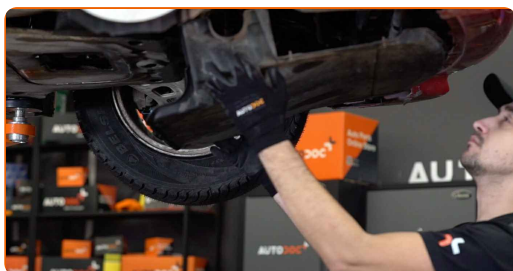
6

Unscrew the fasteners of the lower sound insulation. Use a Phillips screwdriver.



7

Remove the lower sound insulation.

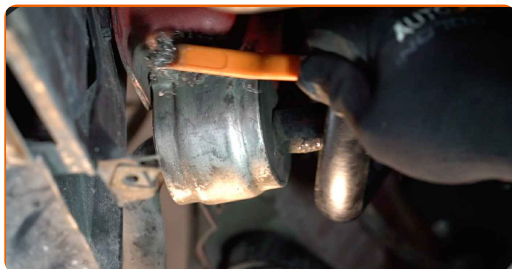


Please note!

- Some cars are not equipped with the lower sound insulation.

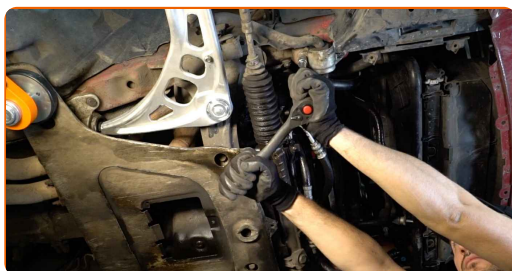
8

Clean the fasteners of the stabilizer bush brackets. Use a wire brush. Use WD-40 spray.



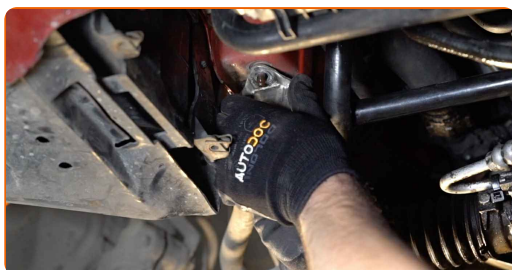
9

Unscrew the fasteners of the stabilizer bush brackets. Use a drive socket #16. Use a ratchet wrench.



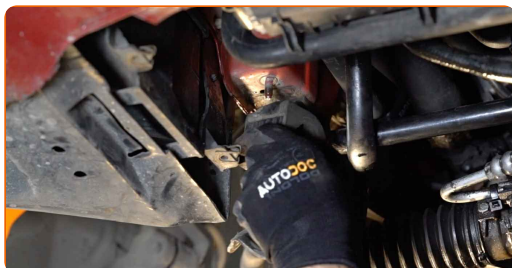
10

Remove the stabilizer bush brackets.



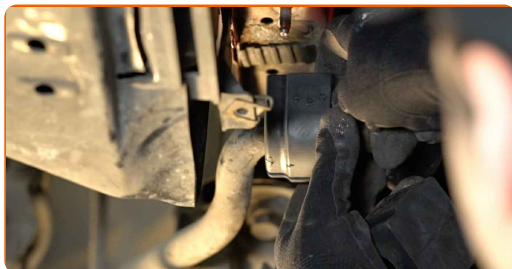
11

Remove the stabilizer bushes.

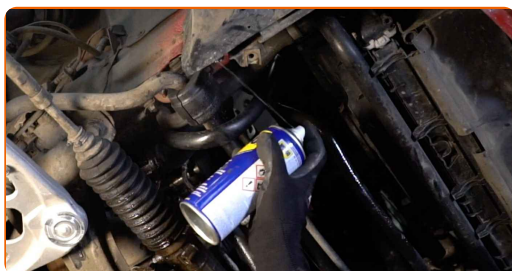




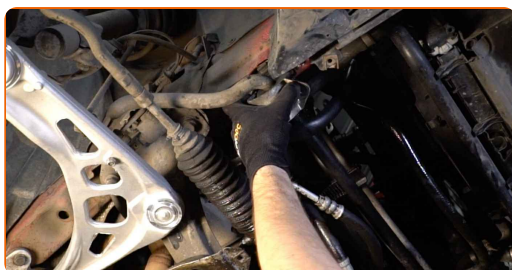
- 12** Install the new stabilizer bushes.



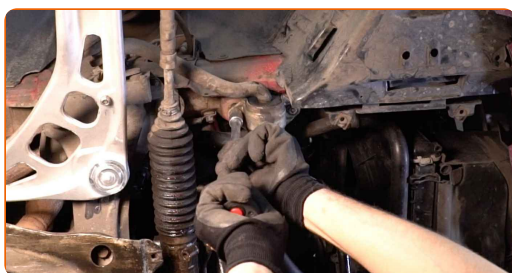
- 13** Clean the mounting seats of the stabilizer bushes. Use WD-40 spray.



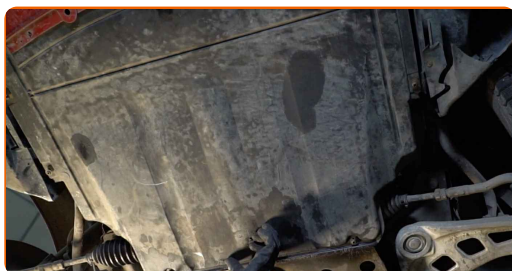
- 14** Install the stabilizer bush brackets.



- 15** Screw the fasteners of the stabilizer bush brackets. Use a drive socket #16. Use a torque wrench. Tighten it to 28 nm torque.



- 16** Install the lower sound insulation.



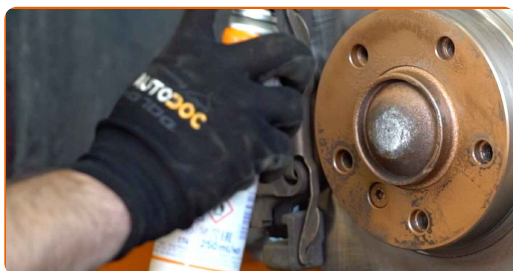
17

Screw in the fasteners of the lower sound insulation. Use a Phillips screwdriver.



18

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



19

Install the wheel.

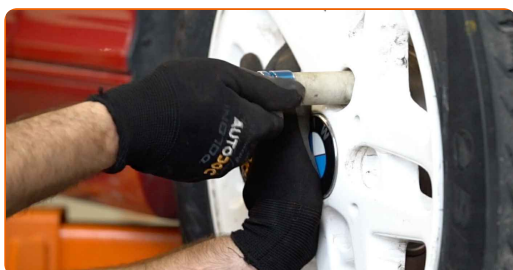


## AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. BMW 3 Coupe (E46)

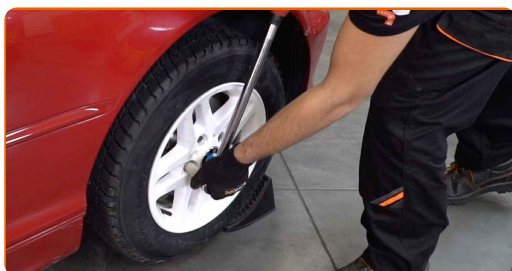
20

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





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



- 22** Remove the jacks and chocks.



**WELL DONE!** 

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**ANTI ROLL BAR BUSHES: A WIDE SELECTION**

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