



How to change rear anti
roll bar links on **BMW**
E36 – replacement guide

VIDEO TUTORIAL



i Important!

This replacement procedure can be used for:

BMW 3 Saloon (E30) 316 1.8 Ecotronic, BMW 3 Saloon (E30) 316i 1.6, BMW 3 Saloon (E30) 318i 1.8, BMW 3 Saloon (E30) 318is 1.8, BMW 3 Saloon (E30) 320i 2.0 (M20B20 (206KA)), BMW 3 Saloon (E30) 320i 2.0, BMW 3 Saloon (E30) M3 2.3, BMW 3 Saloon (E30) 323i 2.3, BMW 3 Saloon (E30) 325i X 2.5, BMW 3 Saloon (E30) 325i 2.5, BMW 3 Saloon (E30) 325 e 2.7, BMW 3 Saloon (E30) 324d 2.4, BMW 3 Saloon (E30) 324td 2.4, BMW 3 Touring (E30) 318i 1.8, BMW 3 Touring (E30) 320i 2.0 (M20B20 (206KA)), (+ 66)

The steps may slightly vary depending on the car design.

REPLACEMENT: ANTI ROLL BAR LINKS – BMW E36. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #13
- Drive socket # 13
- Wheel impact socket #17
- Ratchet wrench
- Vice
- Hydraulic transmission jack
- Crow bar
- Wheel chock

BUY TOOLS

AUTODOC recommends:

- Replace the stabiliser links on BMW E36 in pairs.
- The replacement procedure is identical for both stabiliser links on the same axle.
- Please note: all work on the car – BMW E36 – 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 rear 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 E36

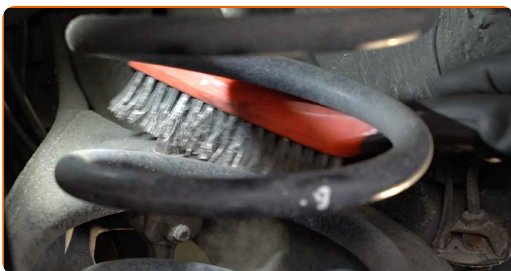
5

Remove the wheel.

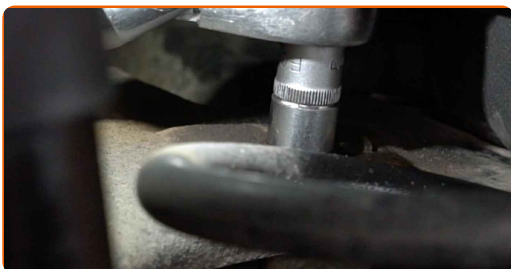


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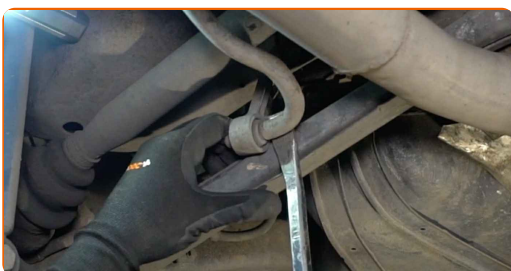
Treat all joints of the stabiliser link. Use a wire brush. Use WD-40 spray.



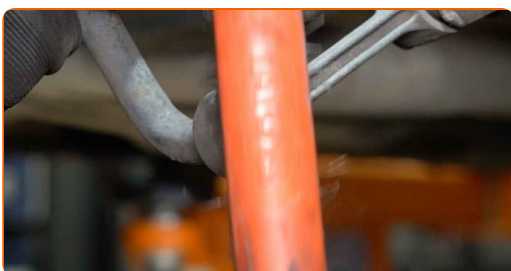
- 7 Unscrew the fastener connecting the stabilizer bar with the control arm. Use a drive socket #13. Use a ratchet wrench.



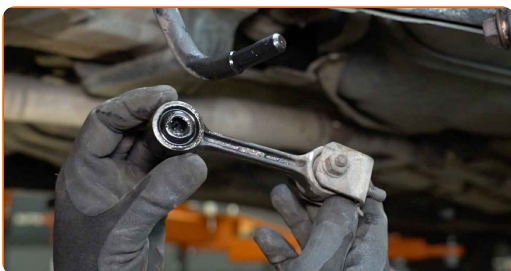
- 8 Move the stabiliser bar aside. Use a crowbar.



- 9 Clean all joints of the stabiliser link. Use a wire brush. Use WD-40 spray.



- 10 Remove the stabilizer rod.



Replacement: anti roll bar links – BMW E36. AUTODOC recommends:

- Examine the stabiliser bushes. Replace them if necessary.

11 Grip the stabiliser link in a vice.

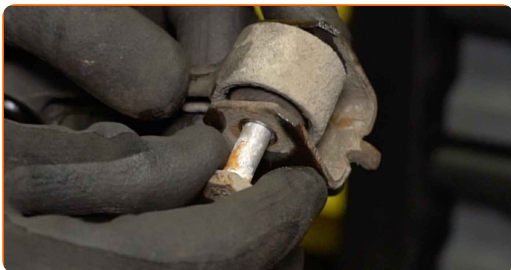
12 Clean the mounting seats of the stabiliser link. Use a wire brush. Use WD-40 spray.



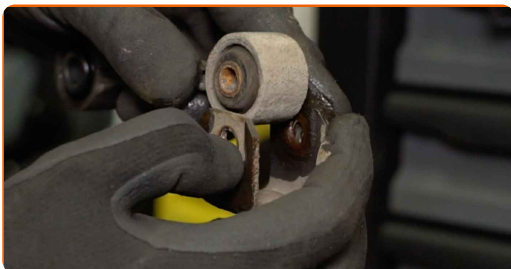
13 Unscrew the fastener of the stabiliser link bracket. Use a drive socket #13. Use a ratchet wrench.



14 Remove the fastening bolt.



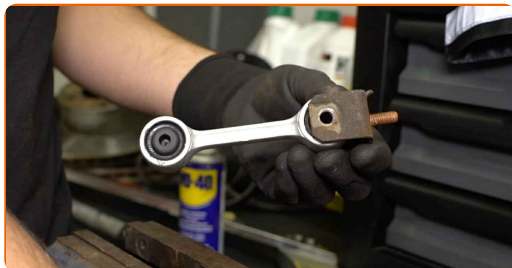
15 Remove the stabiliser link bracket.



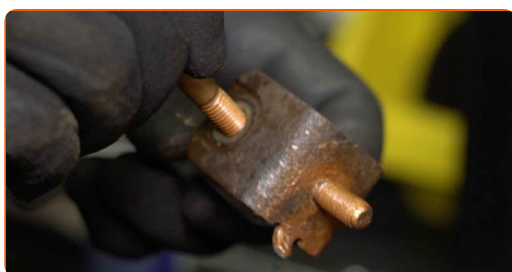
16 Release the vice and remove the stabiliser link.

17 Grip a new stabiliser link in a vice.

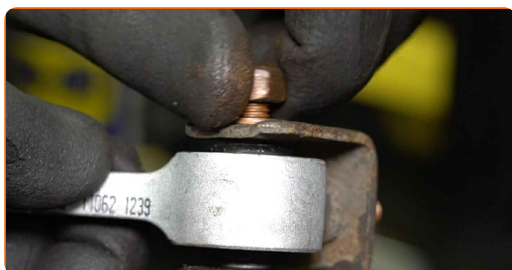
18 Install the stabiliser link bracket.



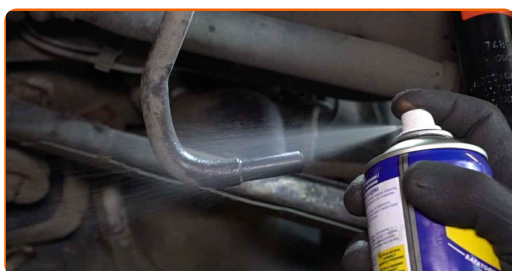
19 Install the fastening bolt.



20 Screw in the fastener of the stabiliser link bracket. Use a drive socket #13. Use a ratchet wrench.

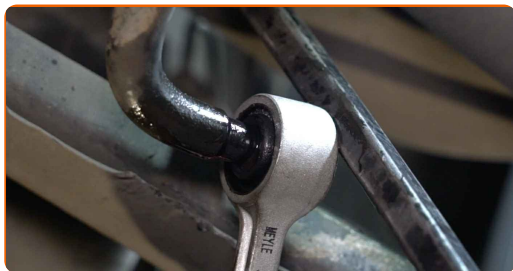


21 Clean the mounting seats of the stabiliser link. Use a wire brush. Use WD-40 spray.



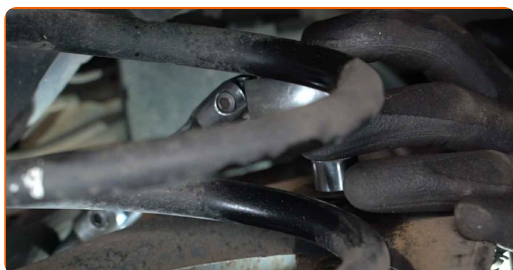
22 Release the vice and remove the stabiliser link.

- 23** Install the transverse stabilizer link. Use a crowbar.

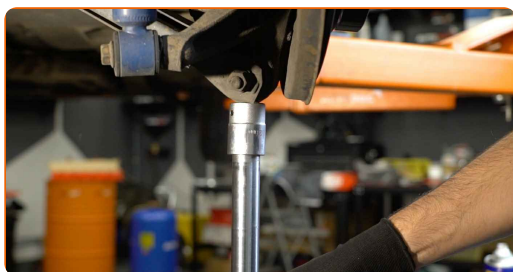


- 24** Reinstall the stabiliser bar in its mounting seat.

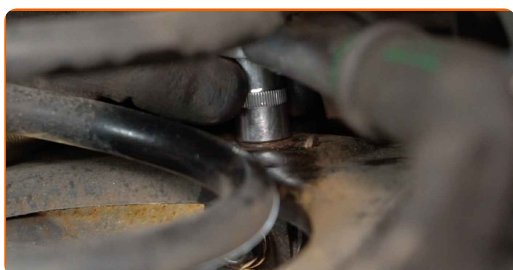
- 25** Screw in the fastener connecting the stabilizer bar to the control arm. Use a drive socket #13. Use a ratchet wrench.



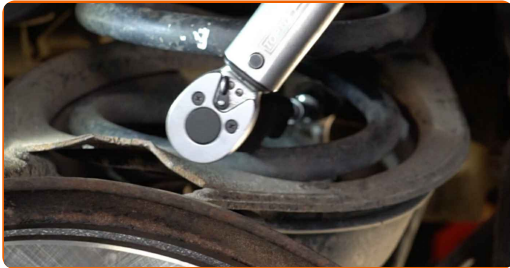
- 26** Support the arm. Use a hydraulic transmission jack.



- 27** Tighten the fastener connecting the stabilizer bar with the control arm. Use a drive socket #13. Use a torque wrench. Tighten it to 27 Nm torque.



- 28 Tighten the fastener of the stabiliser link bracket. Use a combination spanner #13. Use a drive socket #13. Use a torque wrench. Tighten it to 25 Nm torque.

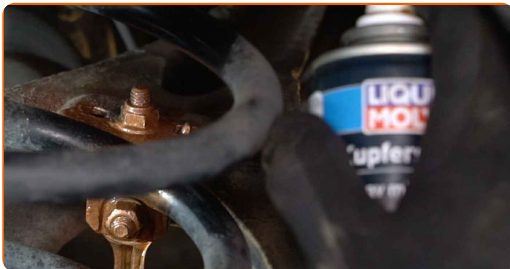


- 29 Remove the support from under the arm.

AUTODOC recommends:

- Replacement: anti roll bar links – BMW E36. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

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



- 31 Clean the wheel rim mounting seat. Use a wire brush.



32

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



33

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: anti roll bar links – BMW E36. After applying the spray, wait a few minutes.

34

Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
BMW E36

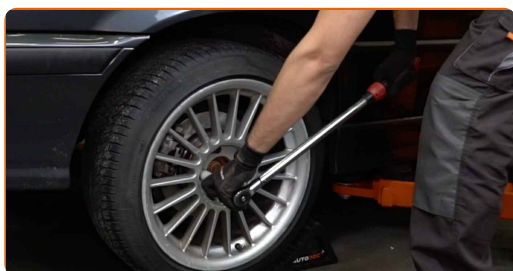
35

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



36

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.



37

Remove the jacks and chocks.



WELL DONE! 

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