



How to change rear anti
roll bar links on
MERCEDES-BENZ CLS
Shooting Brake (X218) –
replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

i Important!

This replacement procedure can be used for:

MERCEDES-BENZ CLS Shooting Brake (X218) CLS 350 (218.959), MERCEDES-BENZ CLS Shooting Brake (X218) CLS 500 (218.973), MERCEDES-BENZ CLS Shooting Brake (X218) CLS 500 4-matic (218.991), MERCEDES-BENZ CLS Shooting Brake (X218) CLS 63 AMG (218.974), MERCEDES-BENZ CLS Shooting Brake (X218) CLS 250 CDI / BlueTEC / d (218.903, 218.904), MERCEDES-BENZ CLS Shooting Brake (X218) CLS 350 CDI (218.923), MERCEDES-BENZ CLS Shooting Brake (X218) CLS 350 CDI 4-matic (218.993), MERCEDES-BENZ CLS Shooting Brake (X218) CLS 63 AMG 4-matic (218.992), MERCEDES-BENZ CLS Shooting Brake (X218) CLS 63 AMG 4-matic (218.976), MERCEDES-BENZ CLS Shooting Brake (X218) CLS 63 AMG (218.975), MERCEDES-BENZ CLS Shooting Brake (X218) CLS 220 BlueTEC / d (218.901), MERCEDES-BENZ CLS Shooting Brake (X218) CLS 220 BlueTEC (218.901), MERCEDES-BENZ CLS Shooting Brake (X218) CLS 250 BlueTEC / d 4-matic (218.997), MERCEDES-BENZ CLS Shooting Brake (X218) CLS 350 BlueTEC / d (218.926), MERCEDES-BENZ CLS Shooting Brake (X218) CLS 350 BlueTEC 4-matic (218.994), (+ 5)

The steps may slightly vary depending on the car design.

Please note that this tutorial was created based on the replacement procedure for this car part on a car with a similar design.

This tutorial was created based on the replacement procedure for a similar car part on: MERCEDES-BENZ C-Class Saloon (W204) C 220 CDI (204.008)

REPLACEMENT: ANTI ROLL BAR LINKS – MERCEDES-BENZ CLS SHOOTING BRAKE (X218). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Ceramic grease
- Copper grease
- Torque wrench
- Combination spanner #16
- Combination spanner #17
- Combination spanner #22
- Drive socket # 13
- Torx bit E12
- Wheel impact socket #17
- Ratchet wrench
- Hydraulic transmission jack
- Wheel chock

Buy tools

AUTODOC recommends:

- Replace the stabiliser links on MERCEDES-BENZ CLS Shooting Brake (X218) in pairs.
- The replacement procedure is identical for both stabiliser links on the same axle.
- Please note: all work on the car – MERCEDES-BENZ CLS Shooting Brake (X218) – 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.



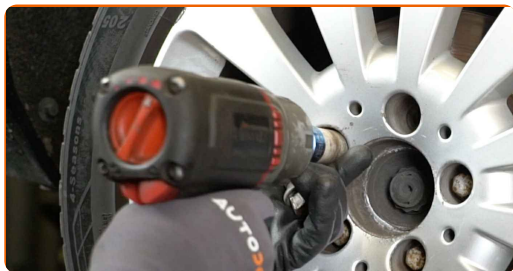
3 Raise the car.

Replacement: anti roll bar links – MERCEDES-BENZ CLS Shooting Brake (X218). AUTODOC experts recommend:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

4

Unscrew the wheel bolts.

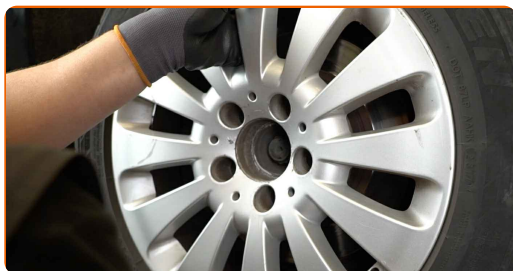


AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
MERCEDES-BENZ CLS Shooting Brake (X218)

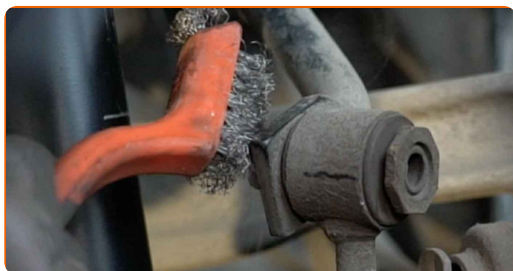
5

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 control arm. Use a drive socket #13. Use Torx E12. Use a ratchet wrench.



8 Remove the fastening bolt.



9 Unscrew the fastener connecting the stabilizer link to the stabilizer bar. Use a combination spanner #16. Use a combination spanner #22.



10 Remove the stabilizer rod.



AUTODOC recommends:

- Examine stabiliser bushes. Replace them if needed.

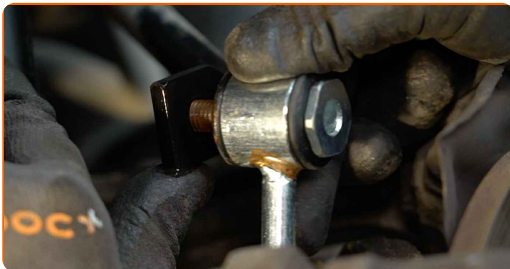
11

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



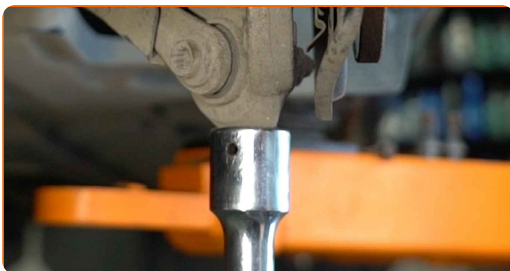
12

Install the transverse stabilizer link.



13

Support the rear knuckle. Use a hydraulic transmission jack.



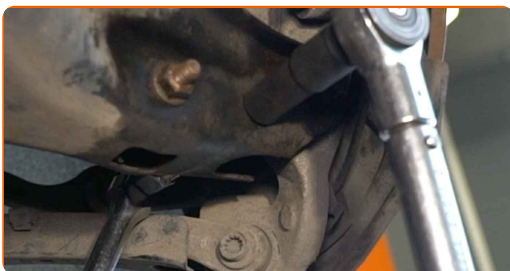
Replacement: anti roll bar links – MERCEDES-BENZ CLS Shooting Brake (X218). AUTODOC recommends:

- For tightening the fasteners correctly, you have to jack up the suspension components to their working position.

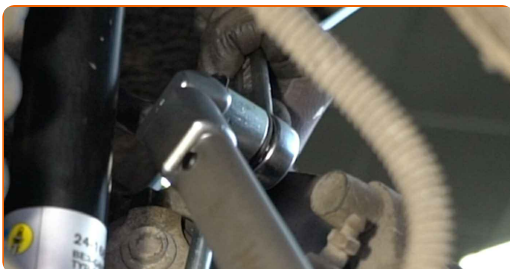
14 Install the fastening bolt.



15 Tighten the fastener connecting the sway bar link to the suspension arm. Use a drive socket #13. Use Torx E12. Use a torque wrench. Tighten it to 20 Nm torque.+180°



16 Tighten the fastener connecting the stabilizer link to the stabilizer bar. Use a combination spanner #17. Use a combination spanner #22. Use a torque wrench. Tighten it to 50 Nm torque.



17 Remove the support from under the rear knuckle.

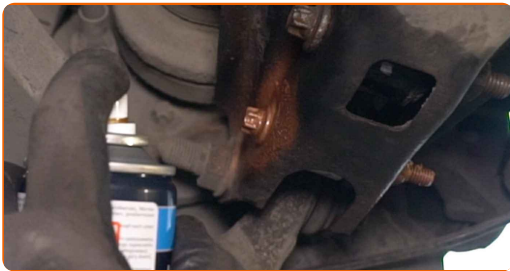


AUTODOC recommends:

- Replacement: anti roll bar links – MERCEDES-BENZ CLS Shooting Brake (X218). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

18

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



19

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



20

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



21

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- After applying the spray, wait a few minutes.

22

Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. MERCEDES-BENZ CLS Shooting Brake (X218)

23

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



- 24** 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 130 Nm torque.



- 25** Remove the jacks and chocks.



WELL DONE! 

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ANTI ROLL BAR LINKS: A WIDE SELECTION

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