



How to change front  
lower arm on  
**MERCEDES-BENZ SL**  
**Convertible (R230)** –  
replacement guide

### SIMILAR VIDEO TUTORIAL



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

### Important!

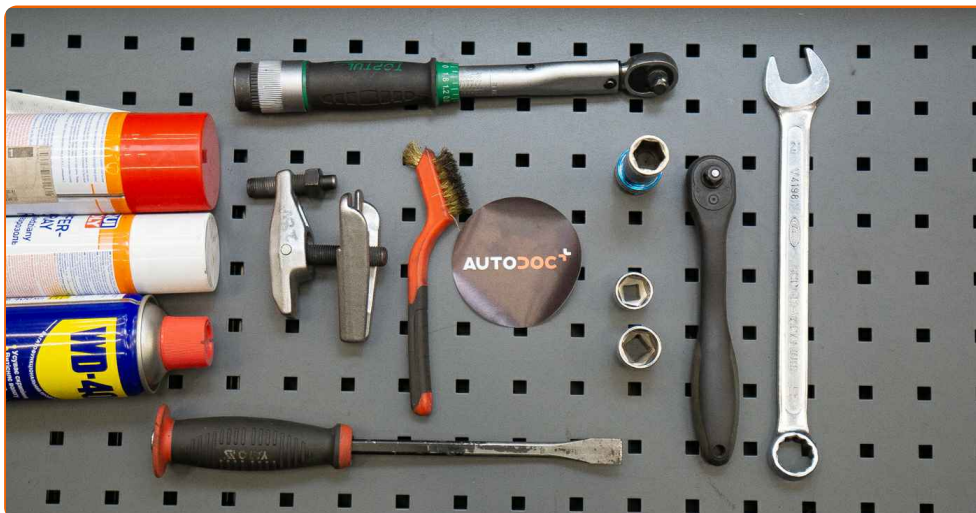
This replacement procedure can be used for:

MERCEDES-BENZ SL (R230) 500 5.0 (230.475), MERCEDES-BENZ SL (R230) 55 AMG 5.4 (230.474), MERCEDES-BENZ SL (R230) 55 AMG 5.4 Kompressor (230.474), MERCEDES-BENZ SL (R230) 350 3.7 (230.467), MERCEDES-BENZ SL (R230) 600 5.5 (230.476), MERCEDES-BENZ SL (R230) 65 AMG 6.0 (230.479), MERCEDES-BENZ SL (R230) 350 (230.456), MERCEDES-BENZ SL (R230) 500 (230.471), MERCEDES-BENZ SL (R230) 600 (230.477), MERCEDES-BENZ SL (R230) 55 AMG (230.472), MERCEDES-BENZ SL (R230) 350 (230.458), MERCEDES-BENZ SL (R230) 63 AMG 6.2 (230.470), MERCEDES-BENZ SL (R230) 280 (230.454), MERCEDES-BENZ SL (R230) 300 (230.454)

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: MERCEDES-BENZ E-Class Saloon (W211) E 220 CDI (211.006)

**REPLACEMENT: FRONT LOWER ARM – MERCEDES-BENZ SL CONVERTIBLE (R230). TOOLS YOU NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #21
- Drive socket # E18
- Drive socket # 21
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Ball joint puller
- Crow bar
- Hydraulic transmission jack
- Wheel chock

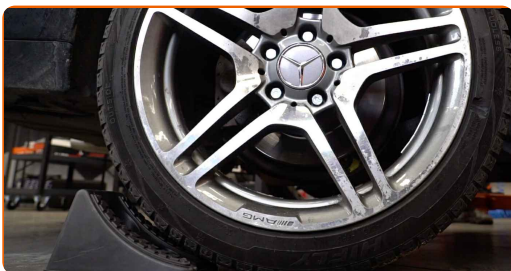
**Buy tools**

Replacement: front lower arm – MERCEDES-BENZ SL Convertible (R230).  
AUTODOC experts recommend:

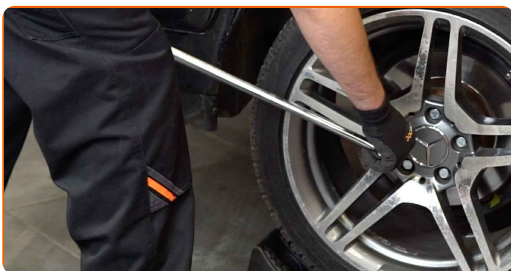
- The replacement procedure is identical for the left and right lower control arms.
- All work should be done with the engine stopped.

## REPLACEMENT: FRONT LOWER ARM – MERCEDES-BENZ SL CONVERTIBLE (R230). TAKE THE FOLLOWING 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: front lower arm – MERCEDES-BENZ SL Convertible (R230). Tip from AUTODOC:

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

5

Remove the wheel.

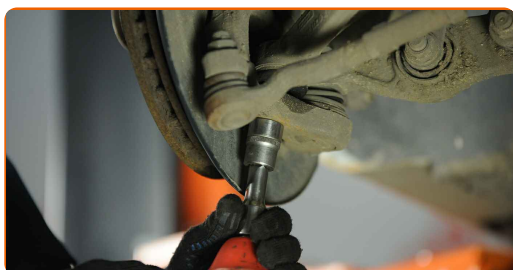


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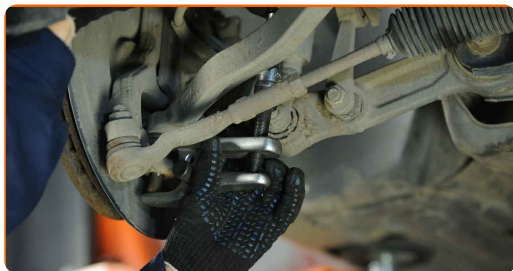
Clean the fastener connecting the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.

7

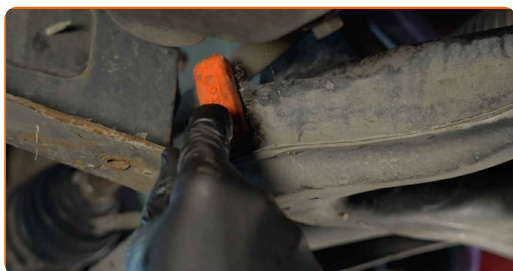
Unscrew the ball joint fastening to the steering knuckle. Use a drive socket #21. Use a ratchet wrench.



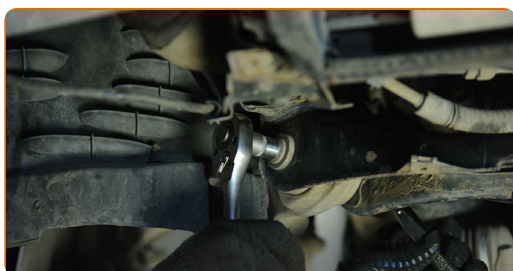
**8** Disconnect the ball joint from the steering knuckle. Use a ball joint puller.



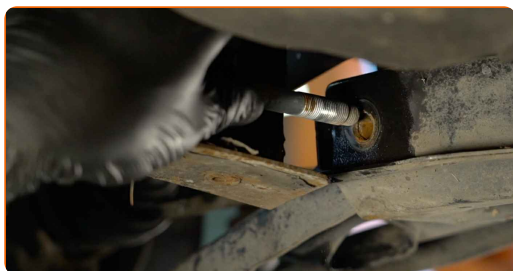
**9** Clean the fasteners connecting the control arm to the subframe. Use a wire brush. Use WD-40 spray.



**10** Unscrew the arm fastening from the subframe. Use a combination spanner #21. Use a drive socket #E18. Use a ratchet wrench.



**11** Remove the fastening bolt.

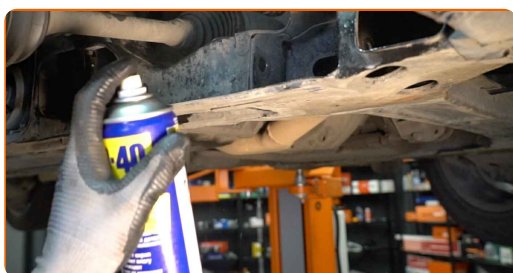




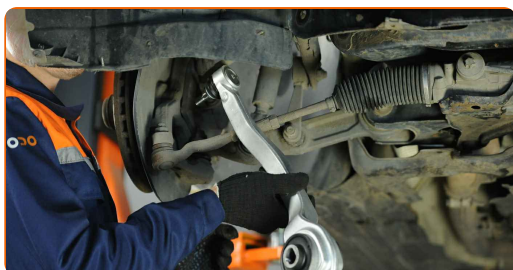
**12** Remove the arm. Use a crowbar.



**13** Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.



**14** Install a new arm.

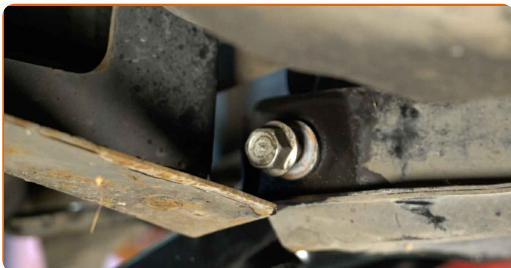


Replacement: front lower arm – MERCEDES-BENZ SL Convertible (R230).  
Professionals recommend:

- During the installation process, use only new bolts and nuts.
- Do not damage the ball joint cover.

**15** Connect the ball joint to the steering knuckle.

**16** Install the fastening bolt.



**17** Screw the fastener connecting the control arm to the subframe.

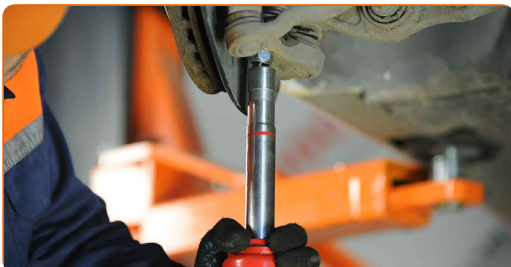
**18** Tighten the ball joint fastener. Use a drive socket #21. Use a torque wrench. Tighten it to 50 Nm torque.+60°



**AUTODOC recommends:**

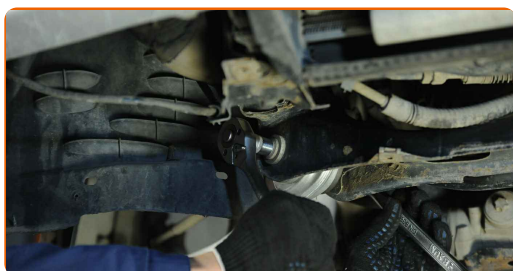
- Important! Be sure to use new fasteners.

**19** Prop up the steering knuckle. Use a hydraulic transmission jack.





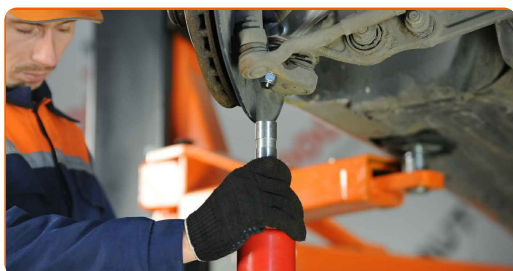
- 20** Tighten the arm fastening to the subframe. Use a combination spanner #21. Use a drive socket #E18. Use a torque wrench. Tighten it to 80 Nm torque.+120°



**AUTODOC recommends:**

- Important! Be sure to use new fasteners.

- 21** Remove the support from under the steering knuckle.



**AUTODOC recommends:**

- MERCEDES-BENZ SL Convertible (R230) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

**22**

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



**23**

Clean the brake disk surface. Use a brake cleaner.

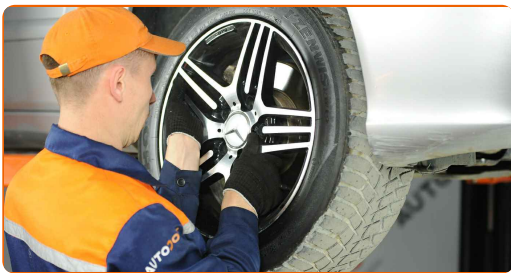


Replacement: front lower arm – MERCEDES-BENZ SL Convertible (R230). Tip:

- After applying the spray, wait a few minutes.

**24**

Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. MERCEDES-BENZ SL Convertible (R230)

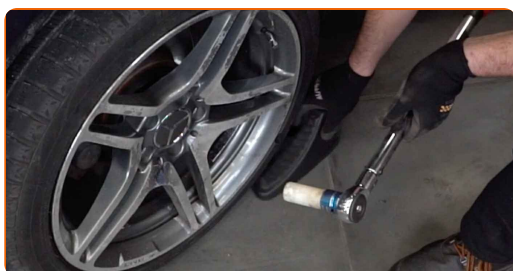
**25** Screw in the wheel bolts. Use wheel impact socket #17.



**26** 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.



**27** Remove the jacks and chocks.



**WELL DONE!** 

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