



How to change front  
lower arm on  
**MERCEDES-BENZ Vito**  
**Van (W638) –**  
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 Vito Van (W638) 108 D 2.3 (638.064, 638.068), MERCEDES-BENZ Vito Van (W638) 110 D 2.3 (638.074, 638.078), MERCEDES-BENZ Vito Van (W638) 113 2.0 (638.014, 638.094), MERCEDES-BENZ Vito Van (W638) 114 2.3 (638.034, 638.094), MERCEDES-BENZ Vito Van (W638) 108 CDI 2.2 (638.094), MERCEDES-BENZ Vito Van (W638) 110 CDI 2.2 (638.094), MERCEDES-BENZ Vito Van (W638) 112 CDI 2.2 (638.094)

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 Vito Minibus (W638) 112 CDI 2.2 (638.194)

**REPLACEMENT: FRONT LOWER ARM – MERCEDES-BENZ VITO VAN (W638). LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Copper grease
- Drive socket # 8
- Drive socket # 19
- Combination spanner #18
- Combination spanner #21
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Flat chisel
- Hammer
- Crow bar
- Hydraulic transmission jack
- Wheel chock

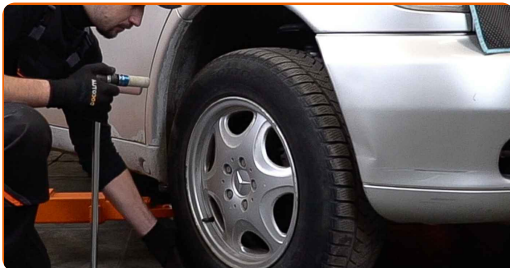
**Buy tools**

Replacement: front lower arm – MERCEDES-BENZ Vito Van (W638). AUTODOC recommends:

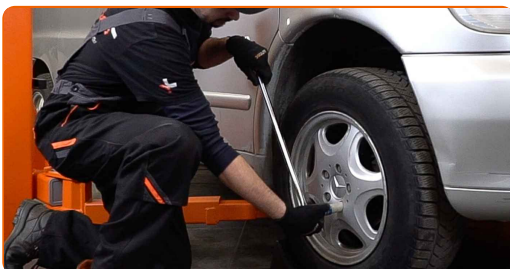
- The replacement procedure is identical for the left and right lower control arms.
- All work should be done with the engine stopped.

## REPLACEMENT: FRONT LOWER ARM – MERCEDES-BENZ VITO VAN (W638). USE THE FOLLOWING PROCEDURE:

**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.

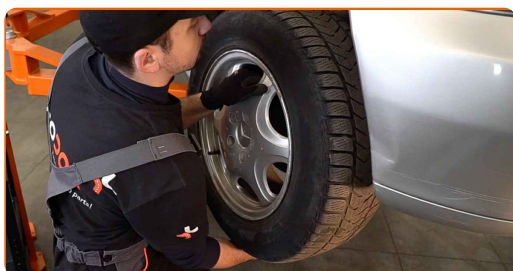
**4** Unscrew the wheel bolts.



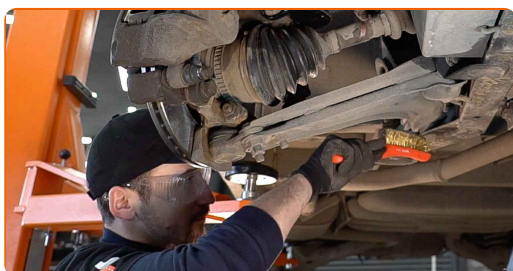
**AUTODOC recommends:**

- Important! Hold the wheel while unscrewing the fastening bolts. MERCEDES-BENZ Vito Van (W638)

**5** Remove the wheel.



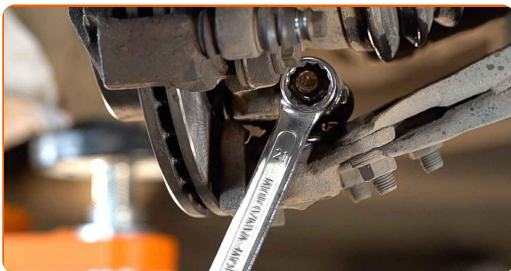
**6** Clean all joints of the arm. Use a wire brush. Treat all joints of the arm. Use WD-40 spray.



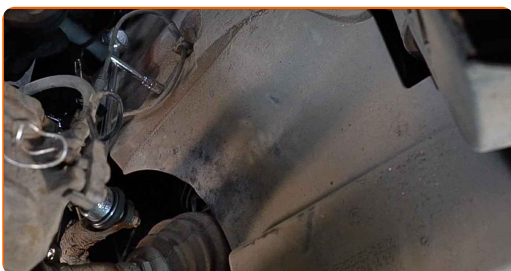
**AUTODOC recommends:**

- Replacement: front lower arm – MERCEDES-BENZ Vito Van (W638). After applying the spray, wait a few minutes.
- Wear protective goggles.

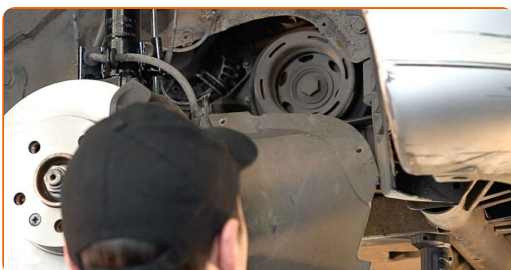
**7** Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #21 (2 pieces).



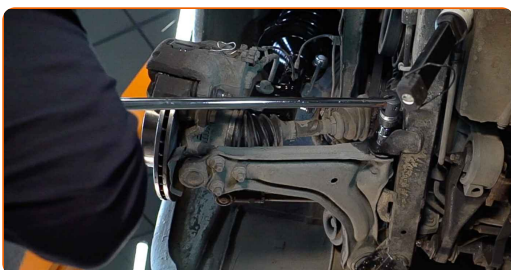
**8** Unscrew and remove the wheel arch cover fasteners. Use a drive socket #8. Use a ratchet wrench.



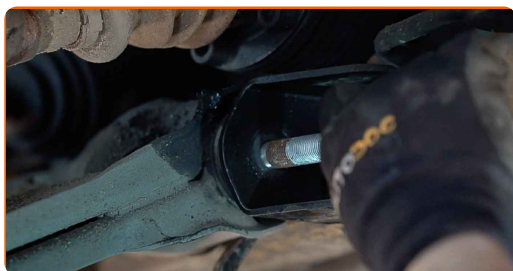
**9** Remove the wheel arch cover.



**10** Unscrew the front arm fastener. Use a combination spanner #18. Use a drive socket #19. Use a ratchet wrench.



**11** Remove the fastening bolt. Use a crowbar.



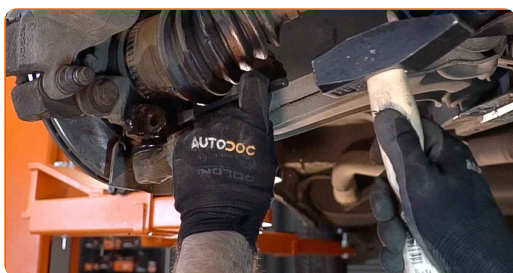
**12** Unscrew the rear arm fastener. Use a combination spanner #21. Use a drive socket #19. Use a ratchet wrench.



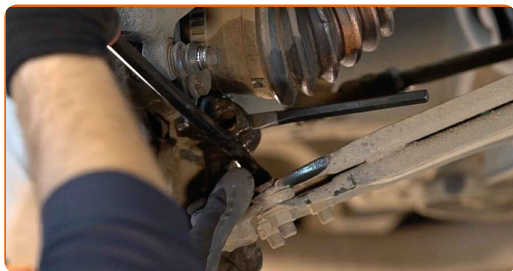
**13** Clean the fastener connecting the ball joint to the steering knuckle. Use WD-40 spray.



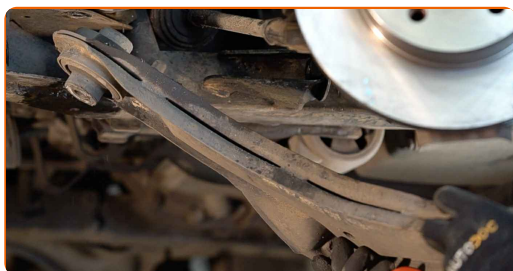
**14** Release the fastener connecting the ball joint to the steering knuckle. Use a flat metal-working chisel. Use a hammer.



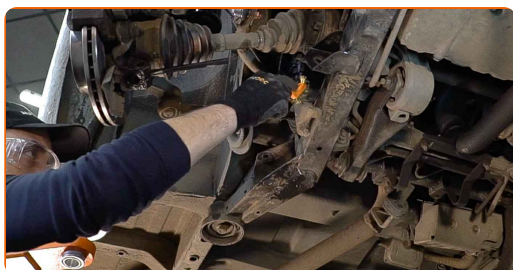
**15** Disconnect the spherical joint from the arm. Use a crowbar.



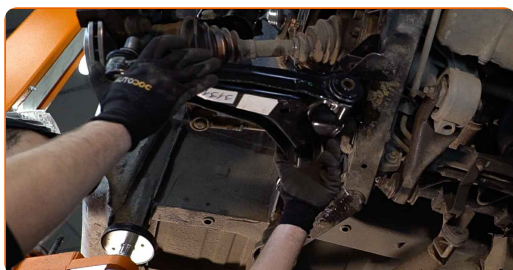
**16** Remove the arm. Use a crowbar.



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



**18** Install a new arm.

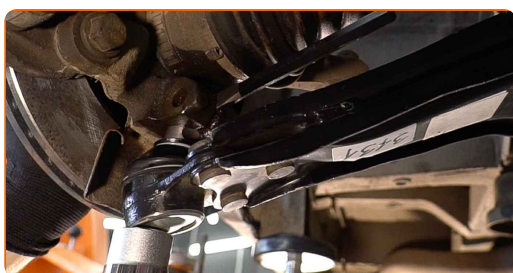




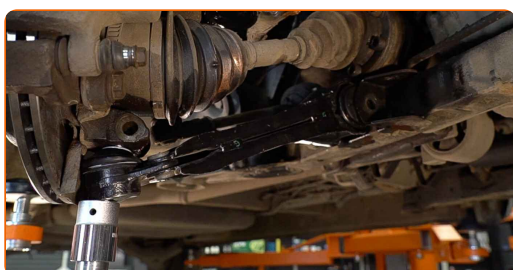
Replacement: front lower arm – MERCEDES-BENZ Vito Van (W638). AUTODOC experts recommend:

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

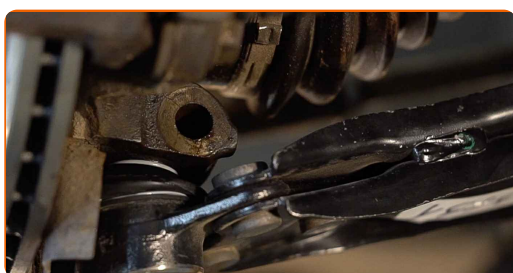
**19** Connect the ball joint to the steering knuckle.



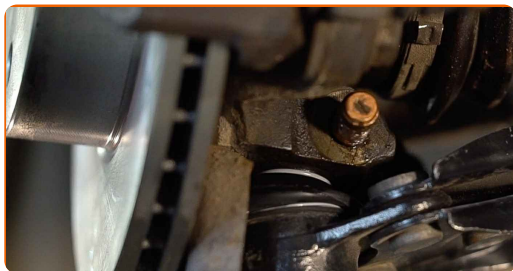
**20** Support the arm. Use a hydraulic transmission jack.



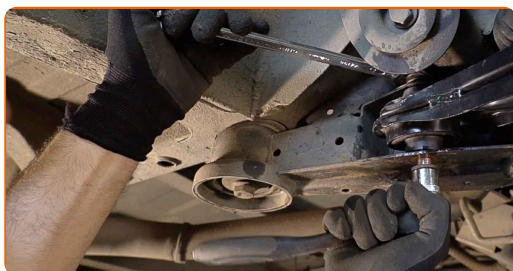
**21** Take the flat chisel out of the steering knuckle.



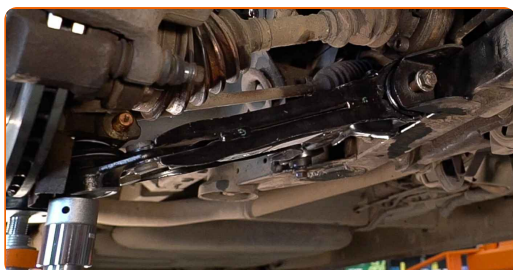
**22** Install the fastening bolt. Do not tighten it.



**23** Screw the rear arm fastener. Use a drive socket #19. Use a combination spanner #21. Use a ratchet wrench.



**24** Raise the hydraulic transmission jack by 10-15 cm.



**25** Tighten the front fastener connecting the control arm to the subframe. Use a drive socket #19. Use a torque wrench. Tighten it to 155 nm torque.



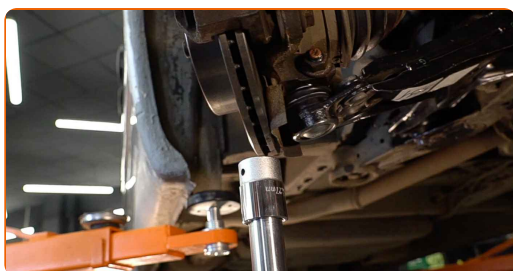
- 26** Tighten the rear fastener of the control arm. Use a drive socket #19. Use a combination spanner #21. Use a torque wrench. Tighten it to 90 nm torque.



- 27** Tighten the ball joint fastener. Use a combination spanner #21. Use a torque wrench. Tighten it to 162 nm torque.



- 28** Remove the support from under the arm.



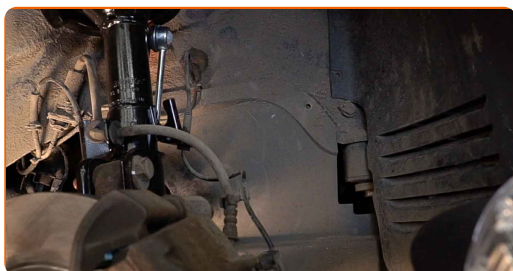
**AUTODOC recommends:**

- Replacement: front lower arm – MERCEDES-BENZ Vito Van (W638). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

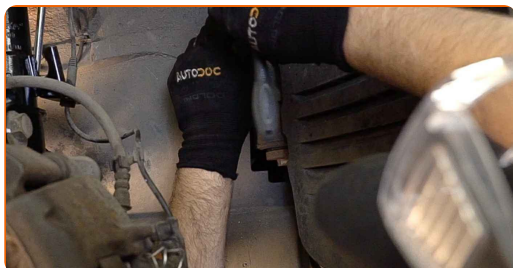
**29** Treat all joints of the arm. Use copper grease.



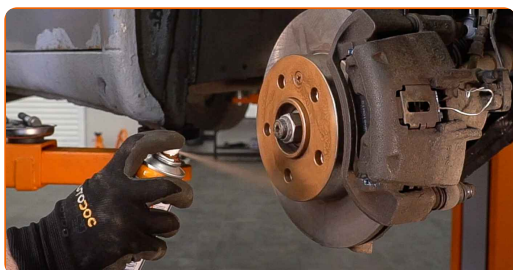
**30** Install the wheel arch cover to its mounting seat.



**31** Install and tighten the wheel arch cover fasteners. Use a drive socket #8. Use a ratchet wrench.



**32** Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.



**33** Install the wheel.



Replacement: front lower arm – MERCEDES-BENZ Vito Van (W638). Tip from AUTODOC:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

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



**35** Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 175 nm torque.



36

Remove the jacks and chocks.



**WELL DONE!** 

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