



How to change front  
lower arm on **VW Polo  
Hatchback (6R1, 6C1)** –  
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:

VW Polo Hatchback (6R1, 6C1) 1.6 BiFuel, VW Polo Hatchback (6R1, 6C1) 1.2 TSI, VW Polo Hatchback (6R1, 6C1) 1.4 BiFuel, VW Polo Hatchback (6R1, 6C1) 1.2, VW Polo Hatchback (6R1, 6C1) 1.4 (6R1), VW Polo Hatchback (6R1, 6C1) 1.6 TDI, VW Polo Hatchback (6R1, 6C1) 1.2 TDI, VW Polo Hatchback (6R1, 6C1) 1.4 GTI, VW Polo Hatchback (6R1, 6C1) 1.6, VW Polo Hatchback (6R1, 6C1) 1.4 TSI, VW Polo Hatchback (6R1, 6C1) 2.0 R WRC, VW Polo Hatchback (6R1, 6C1) 1.0, VW Polo Hatchback (6R1, 6C1) 1.4 TDI, VW Polo Hatchback (6R1, 6C1) 1.2 TSI 16V, VW Polo Hatchback (6R1, 6C1) 1.8 GTI, (+ 2)

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: VW Polo Saloon (602, 604, 612, 614) 1.6

**REPLACEMENT: FRONT LOWER ARM – VW POLO HATCHBACK (6R1, 6C1). TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #18
- Drive socket # 16
- Drive socket # 18
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Crow bar
- Rubber mallet
- Hydraulic transmission jack
- Wheel chock

**Buy tools**

Replacement: front lower arm – VW Polo Hatchback (6R1, 6C1). Tip from AUTODOC experts:

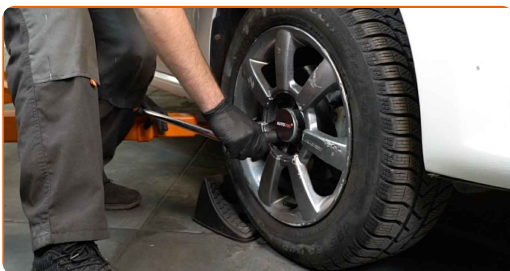
- The replacement procedure is identical for the left and right lower control arms.
- All work should be done with the engine stopped.

## REPLACEMENT: FRONT LOWER ARM – VW POLO HATCHBACK (6R1, 6C1). USE THE FOLLOWING PROCEDURE:

**1** Secure the wheels with chocks.



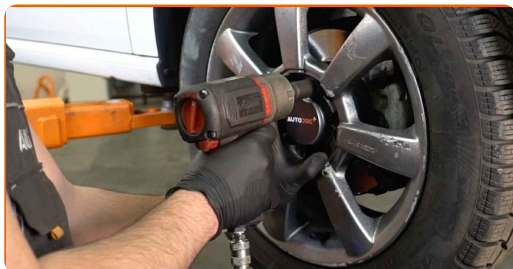
**2** Loosen the wheel mounting bolts. Use wheel impact socket #17.



**3** Raise the front of the car and secure on supports.

4

Unscrew the wheel bolts.

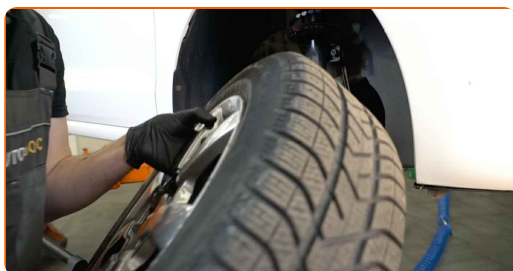


Replacement: front lower arm – VW Polo Hatchback (6R1, 6C1). AUTODOC recommends:

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

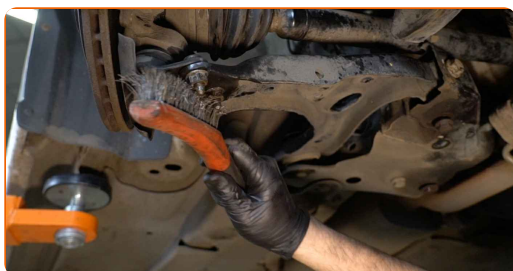
5

Remove the wheel.



6

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

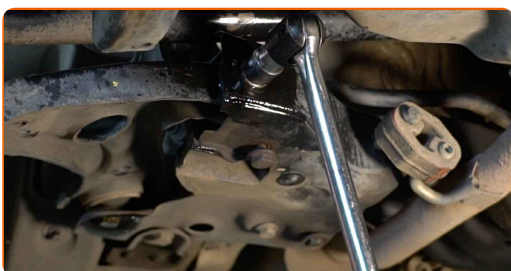


**AUTODOC recommends:**

- Replacement: front lower arm – VW Polo Hatchback (6R1, 6C1). After applying the spray, wait a few minutes.
- Wear protective goggles.

**7**

Unscrew the front arm fastener. Use a drive socket #18. Use a tap wrench.



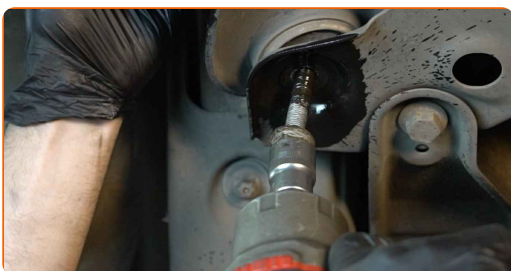
**8**

Unscrew the rear fastener connecting the control arm to the subframe. Use a combination spanner #18. Use a drive socket #18. Use a tap wrench.

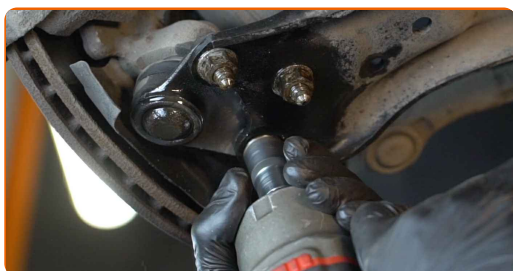


**9**

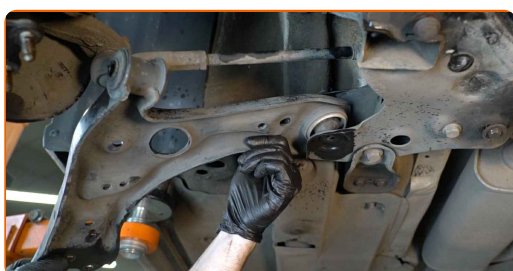
Remove the fastening bolts. Use a drive socket #18.



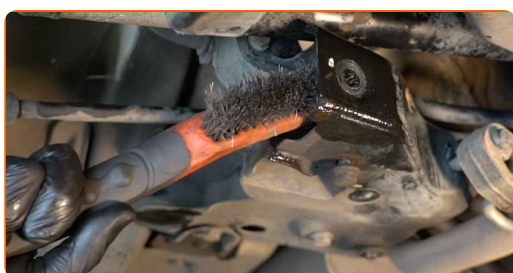
- 10** Unscrew the fastener connecting the ball joint to the suspension control arm. Use a drive socket #16. Use a tap wrench.



- 11** Remove the arm. Use a crowbar.



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



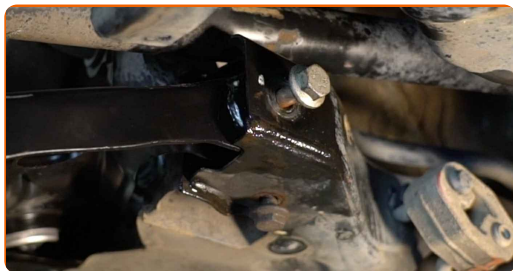
- 13** Install a new arm. Use a crowbar. Use a rubber mallet.



Replacement: front lower arm – VW Polo Hatchback (6R1, 6C1). Tip:

- During the installation process, use only new bolts and nuts.

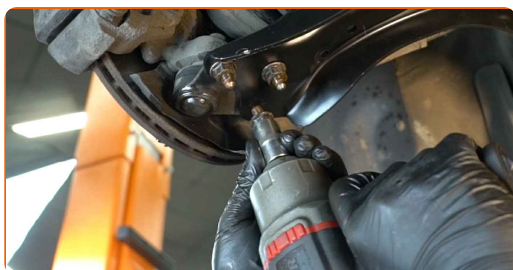
**14** Install the front fastener of the arm. Use a combination spanner #18.



**15** Install the rear fastener of the arm. Use a crowbar.



**16** Screw the fasteners of the ball joint. Use a drive socket #16. Use a ratchet wrench.



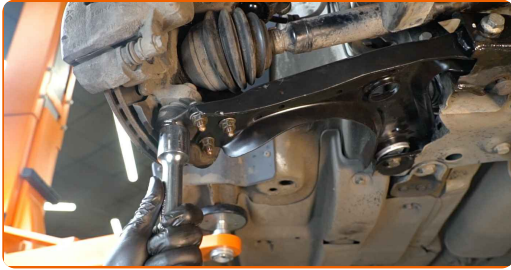
**17** Screw the rear fastener connecting the control arm to the subframe. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.





**18**

Support the arm. Use a hydraulic transmission jack.



**19**

Tighten the front fastener connecting the control arm to the subframe. Use a drive socket #18. Use a torque wrench. Tighten it to 70 Nm torque. +90°

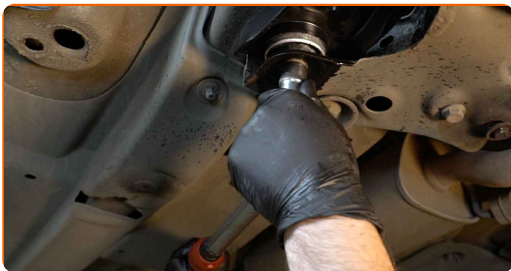


**AUTODOC recommends:**

- Important! Be sure to use new fasteners.

**20**

Tighten the rear fastener connecting the arm to the body subframe. Use a drive socket #18. Use a torque wrench. Tighten it to 70 Nm torque. +90°

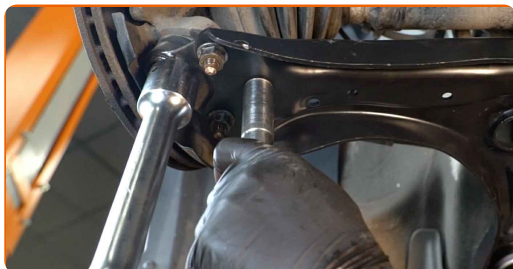


**AUTODOC recommends:**

- Important! Be sure to use new fasteners.

21

Tighten the ball joint fastener. Use a drive socket #16. Use a torque wrench. Tighten it to 60 nm torque.



22

Remove the support from under the arm.



**AUTODOC recommends:**

- Replacement: front lower arm – VW Polo Hatchback (6R1, 6C1). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

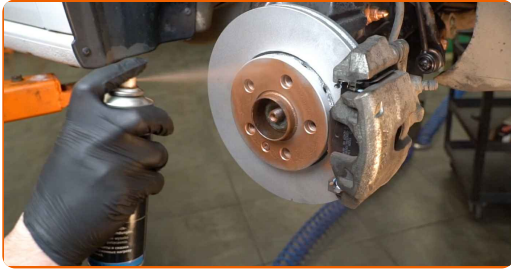
23

Treat all joints of the arm. Use copper grease.



**24**

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



**25**

Clean the brake disk surface. Use a brake cleaner.

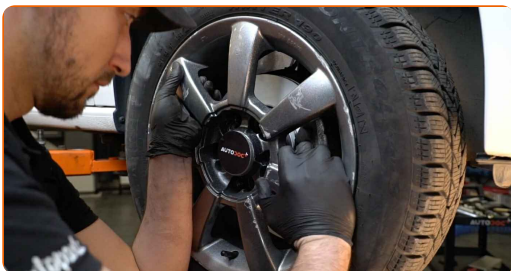


Replacement: front lower arm – VW Polo Hatchback (6R1, 6C1). Tip from AUTODOC:

- After applying the spray, wait a few minutes.

**26**

Install the wheel.

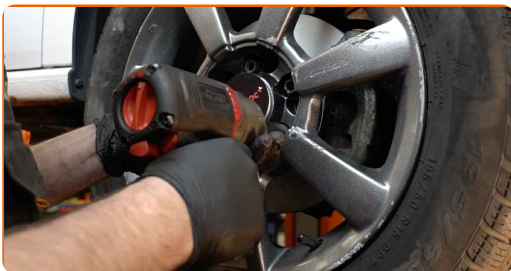


AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. VW Polo Hatchback (6R1, 6C1)

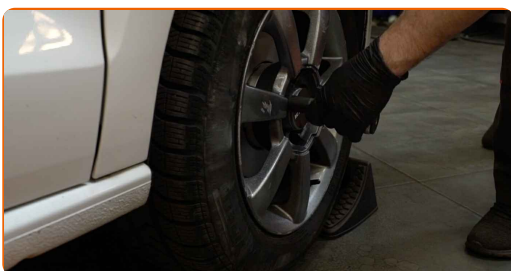
27

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



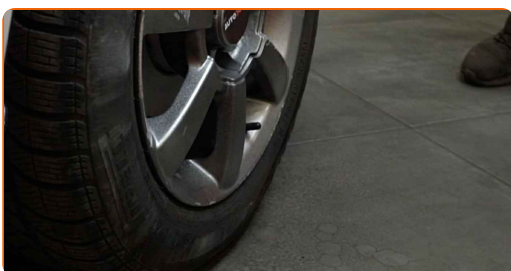
28

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.



29

Remove the jacks and chocks.



**WELL DONE!** 

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