



How to change front  
lower arm on **CITROËN**  
**DS3 Convertible** –  
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:

CITROËN DS3 Convertible 1.2 VTi 82, CITROËN DS3 Convertible 1.6 VTi 120, CITROËN DS3 Convertible 1.6 THP 155, CITROËN DS3 Convertible 1.6 HDi 90, CITROËN DS3 Convertible 1.6 THP 150, CITROËN DS3 Convertible 1.6 BlueHDi 120, CITROËN DS3 Convertible 1.6 BlueHDi 100, CITROËN DS3 Convertible 1.2 THP 110, CITROËN DS3 Convertible 1.6 Racing, CITROËN DS3 Convertible 1.6 THP 165, CITROËN DS3 Convertible 1.6 BlueHDi 115

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: PEUGEOT 208 I Hatchback (CA\_, CC\_) 1.2

**REPLACEMENT: FRONT LOWER ARM – CITROËN DS3 CONVERTIBLE. LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Copper grease
- Torx bit T55
- Drive socket # E8
- Drive socket # 16
- Drive socket # 18
- Drive socket # 32
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Crow bar
- Hydraulic transmission jack
- Wheel chock

**Buy tools**

Replacement: front lower arm – CITROËN DS3 Convertible. Tip:

- 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 – CITROËN DS3 CONVERTIBLE. USE THE FOLLOWING PROCEDURE:**

1

Secure the wheels with chocks.



2

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



3

Loosen the fastener of the driveshaft. Use a drive socket #32. Use a tap wrench.



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

**5** Unscrew the wheel bolts.



**AUTODOC recommends:**

- Important! Hold the wheel while unscrewing the fastening bolts. CITROËN DS3 Convertible

**6** Remove the wheel.



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



**8** Unscrew the ball joint fastening to the steering knuckle. Use a drive socket #E8. Use a drive socket #18. Use a ratchet wrench.



**9** Remove the fastening bolt.



**10** Loosen the rear fastener of the control arm. Use a drive socket #18. Use a tap wrench.

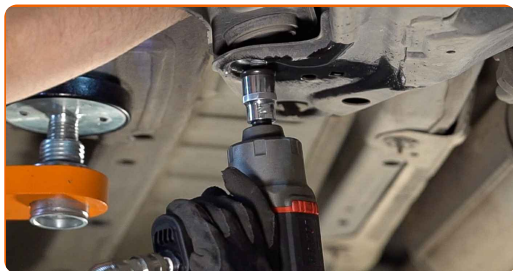


**11** Loosen the front fastener of the control arm. Use a drive socket #18. Use a tap wrench.



12

Unscrew the rear arm fastener. Use Torx T55. Use a drive socket #18. Use a ratchet wrench.



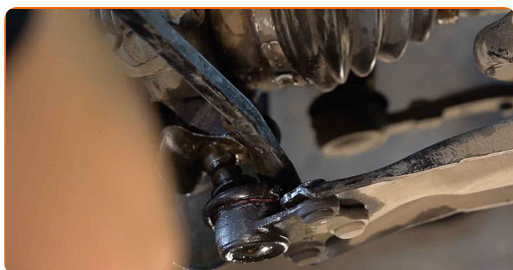
13

Remove the fastening bolt.



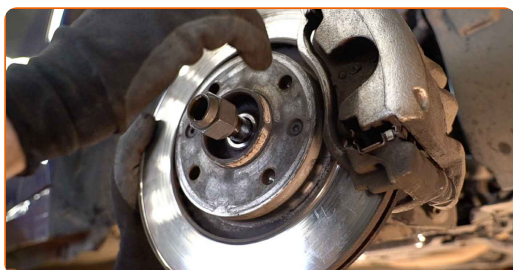
14

Disconnect the ball joint from the steering knuckle. Use a crowbar.



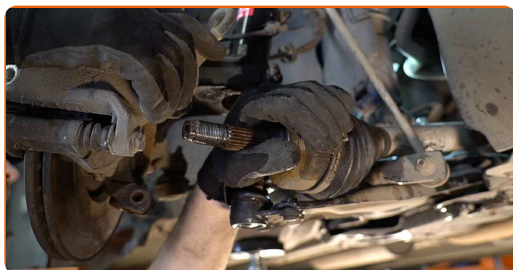
15

Unscrew the fastener connecting the drive shaft to the wheel hub.

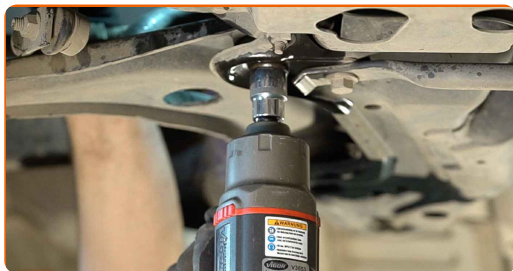


16

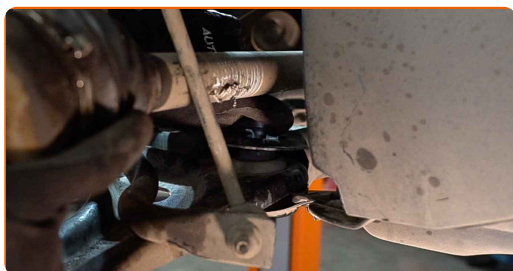
Detach the driveshaft from the steering knuckle.



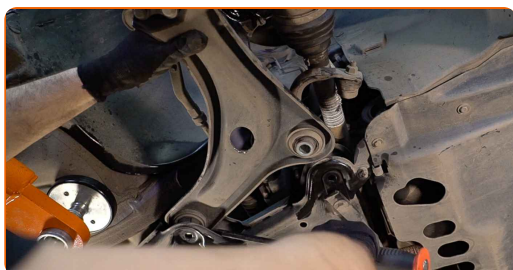
**17** Unscrew the front arm fastener. Use Torx T55. Use a drive socket #18. Use a ratchet wrench.



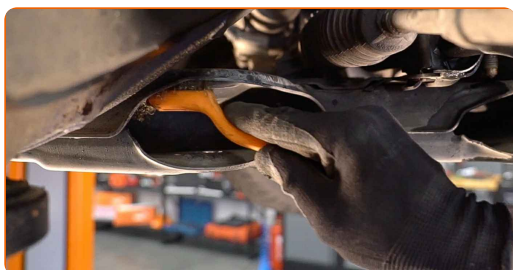
**18** Remove the fastening bolt.



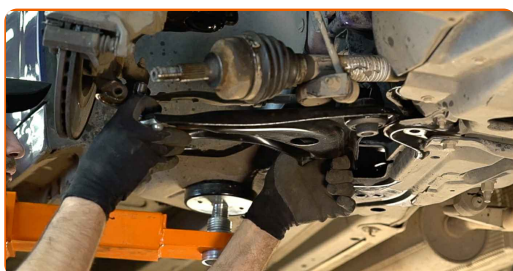
**19** Remove the arm. Use a crowbar.



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



**21** Install a new arm.



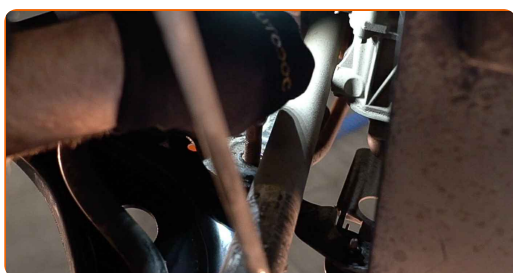


Replacement: front lower arm – CITROËN DS3 Convertible. AUTODOC recommends:

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

22

Install the control arm fasteners.



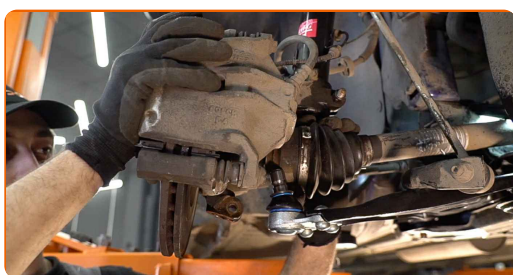
23

Clean the splines of the drive shaft CV joint. Use WD-40 spray.



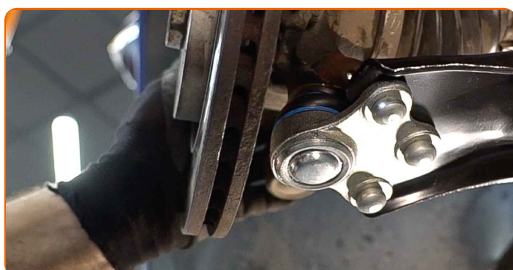
24

Mount the drive shaft into the wheel hub.



25

Connect the ball joint to the steering knuckle. Use a crowbar.



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



**27** Install the fastening bolt.



**28** Screw the fastener connecting the ball joint to the steering knuckle. Use a drive socket #16. Use a drive socket #E8. Use a ratchet wrench.



**29** Screw the rear arm fastener. Use a drive socket #18.

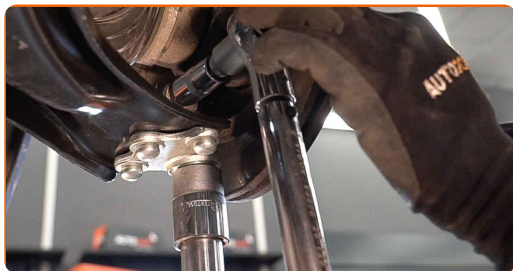


**30** Screw the front arm fastener. Use a drive socket #18.



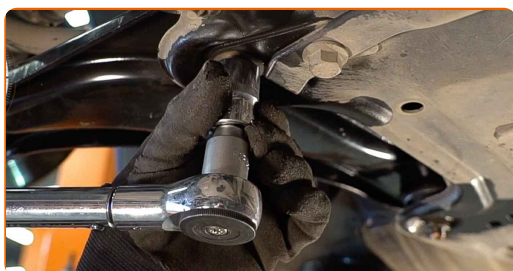
31

Tighten the ball joint fastener. Use a drive socket #16. Use a torque wrench. Tighten it to 40 Nm torque.



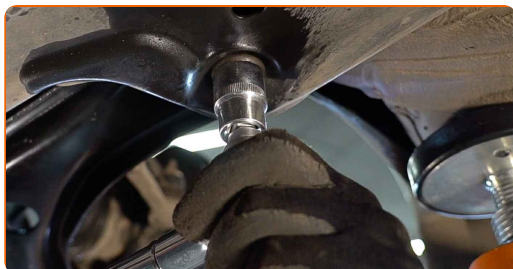
32

Tighten the front fastener connecting the control arm to the subframe. Use a drive socket #18. Use a torque wrench. Tighten it to 120 Nm torque.



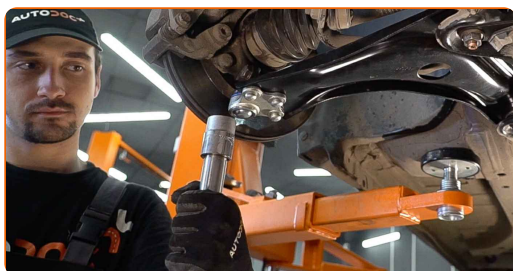
33

Tighten the rear fastener of the control arm. Use a drive socket #18. Use a torque wrench. Tighten it to 120 Nm torque.



34

Remove the support from under the arm.



**AUTODOC recommends:**

- Replacement: front lower arm – CITROËN DS3 Convertible. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

**35**

Treat all joints of the arm. Use copper grease.



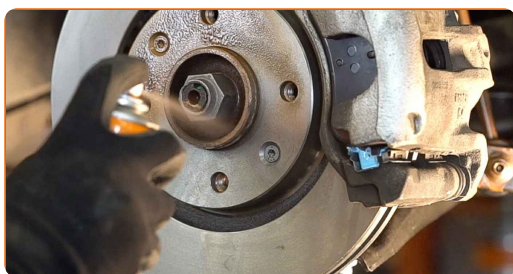
**36**

Screw the nut of the drive shaft.



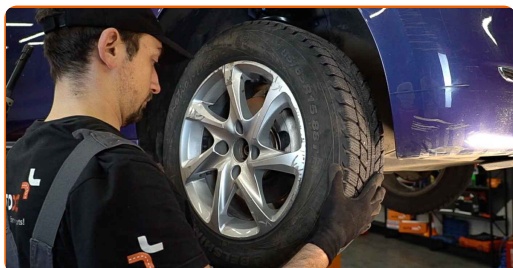
**37**

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



**38**

Install the wheel.



Replacement: front lower arm – CITROËN DS3 Convertible. AUTODOC experts recommend:

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

39

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



40

Lower the car.

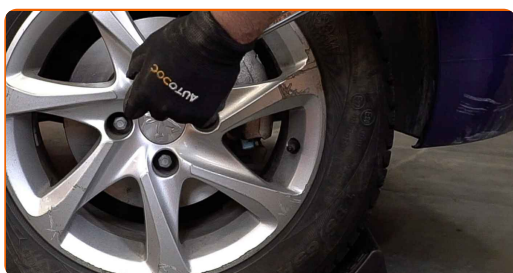
41

Tighten the drive shaft nut. Use a drive socket #32. Use a torque wrench. Tighten it to 245 Nm torque.



42

Tighten the wheel bolts using a criss-cross pattern. Use a torque wrench. Tighten it to 100 Nm torque.



43

Remove the jacks and chocks.



**WELL DONE!** 

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