



How to change front
lower arm on **Citroën**
Berlingo M –
replacement guide

VIDEO TUTORIAL



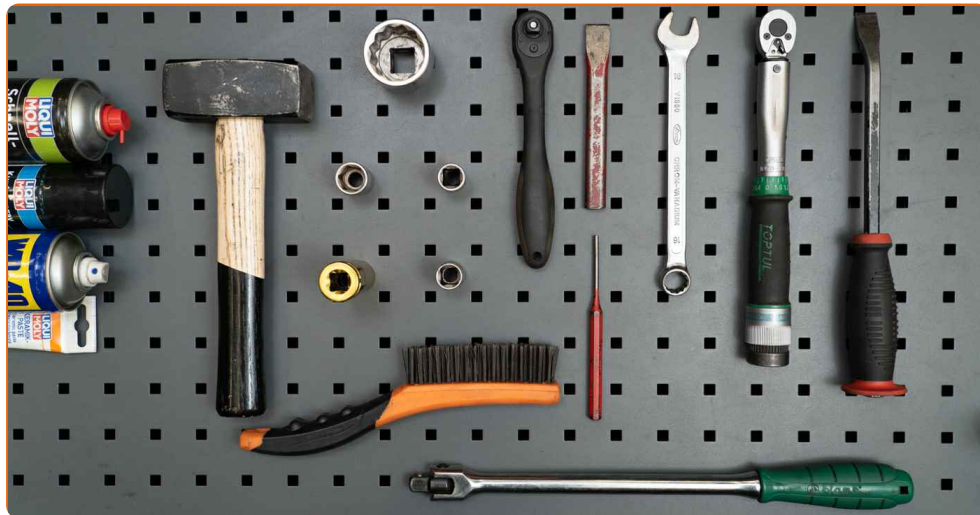
Important!

This replacement procedure can be used for:

CITROËN ZX Hatchback (N2) 1.9 D, CITROËN ZX Hatchback (N2) 1.9 TD, CITROËN ZX Hatchback (N2) 1.4 i, CITROËN ZX Hatchback (N2) 1.6 i, CITROËN ZX Hatchback (N2) 1.8 i, CITROËN ZX Hatchback (N2) 1.9 i, CITROËN ZX Hatchback (N2) 2.0 i, CITROËN ZX Hatchback (N2) 2.0 i 16V, CITROËN ZX Estate (N2) 1.9 D, CITROËN ZX Estate (N2) 1.8 i, CITROËN ZX Estate (N2) 1.4 i, CITROËN ZX Estate (N2) 1.9 TD, CITROËN ZX Estate (N2) 1.6 i, CITROËN Berlingo / Berlingo First I Van (M) 1.1 i, CITROËN Berlingo / Berlingo First I Van (M) 1.8 D, (+ 89)

The steps may slightly vary depending on the car design.

REPLACEMENT: FRONT LOWER ARM – CITROËN BERLINGO M. TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Ceramic grease
- Copper grease
- Torque wrench
- Combination spanner #16
- Drive socket # 13
- Drive socket # 16
- Drive socket # 18
- Drive socket # 36
- Wheel impact socket #19
- Ratchet wrench
- Flat chisel
- Hammer
- Tap wrench
- Pin punch
- Crow bar
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

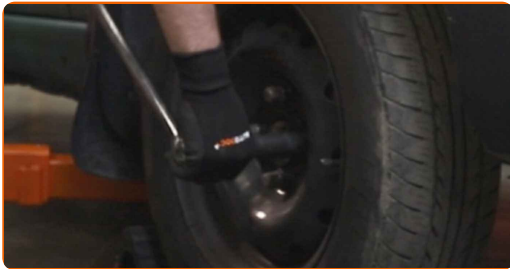
AUTODOC recommends:

- The replacement procedure is identical for the left and right lower control arms.
- Please note: all work on the car – Citroën Berlingo M – should be done with the engine switched off.

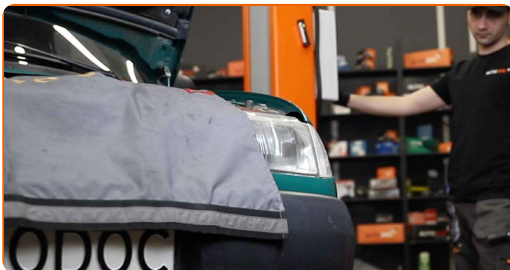
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #19.



3 Raise the car.

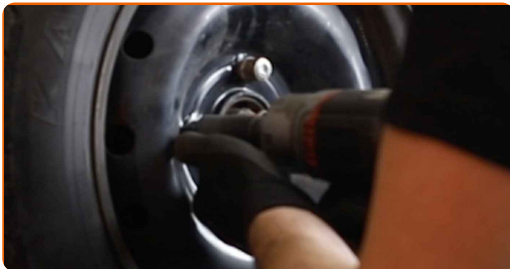


AUTODOC recommends:

- 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.



Replacement: front lower arm – Citroën Berlingo M. Tip from AUTODOC:

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

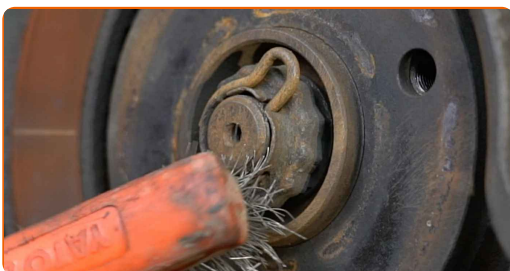
5

Remove the wheel.



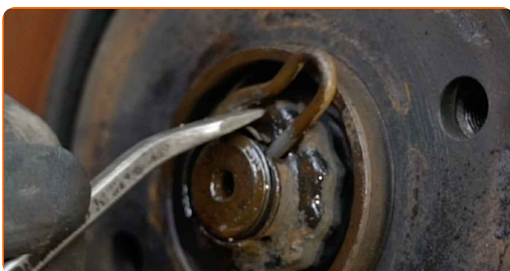
6

Clean the fastener of the driveshaft. Use a wire brush. Use WD-40 spray.

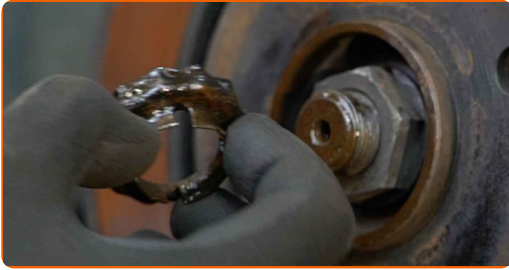


7

Remove the cotter pin. Use a crowbar.



8 Remove the circlip.



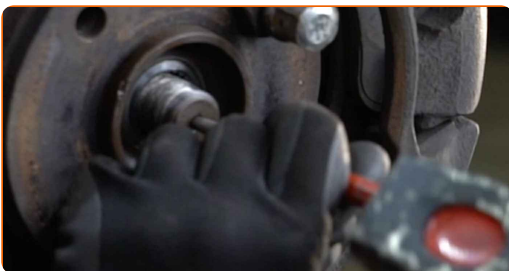
9 Unscrew the fastener connecting the drive shaft to the wheel hub. Use a drive socket #36. Use a tap wrench.



10 Remove the fastening nut.

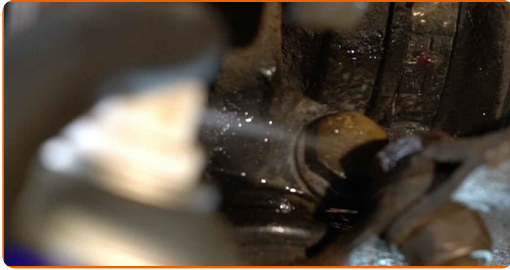


11 Loosen the CV axle in the wheel hub. Use a pin punch. Use a hammer.



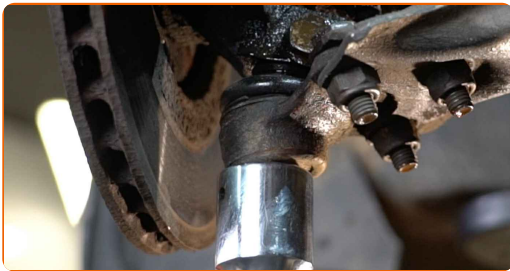
12

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



13

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



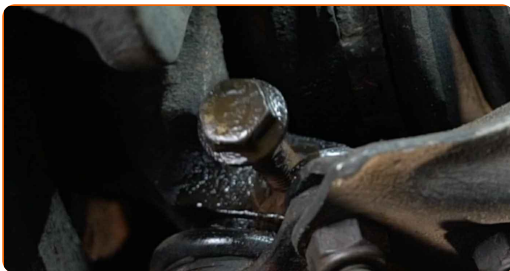
14

Unscrew the fastener connecting the ball joint to the suspension control arm. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.

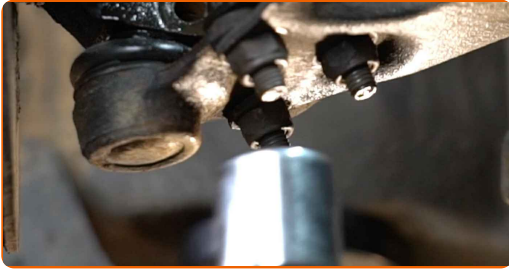


15

Remove the fastening bolt.



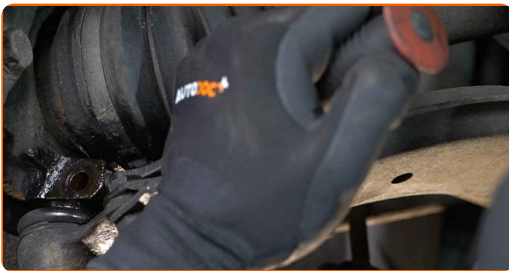
16 Remove the support from under the steering knuckle.



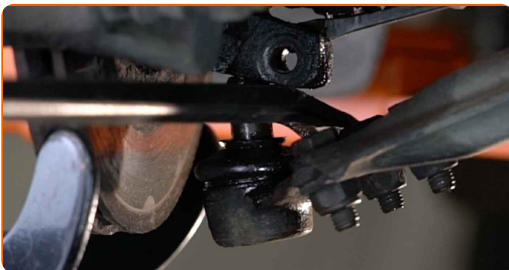
AUTODOC recommends:

- Replacement: front lower arm – Citroën Berlingo M. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

17 Release the fastener that connects the control arm ball joint to the steering knuckle. Use a crowbar. Use a hammer.



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



19

Detach the driveshaft from the steering knuckle.



Replacement: front lower arm – Citroën Berlingo M. Professionals recommend:

- Make sure that the drive shaft is not unloaded (when the car is jacked).

20

Clean the fastener that connects the suspension arm to the subframe. Use a wire brush. Use WD-40 spray.



21

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



22

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



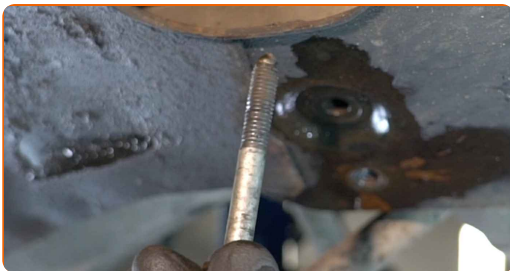
23

Unscrew the rear fasteners of the suspension arm. Use a combination spanner #16. Use a drive socket #16. Use a drive socket #13. Use a ratchet wrench.



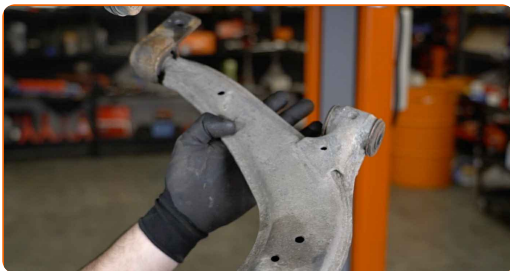
24

Remove the fastening bolts.



25

Remove the arm. Use a crowbar.



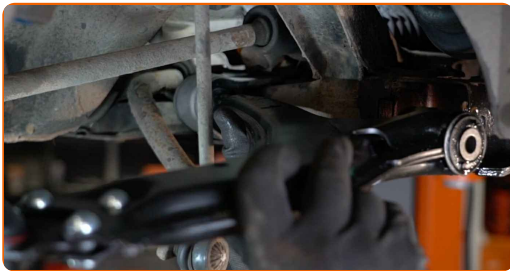
26

Clean the suspension arm mounting seats. Use a wire brush. Use WD-40 spray.



27

Install a new arm.

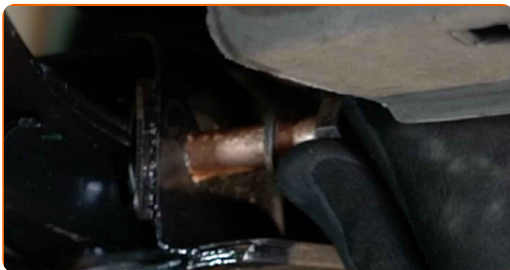


Replacement: front lower arm – Citroën Berlingo M. AUTODOC recommends:

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

28

Install the fastening bolts.



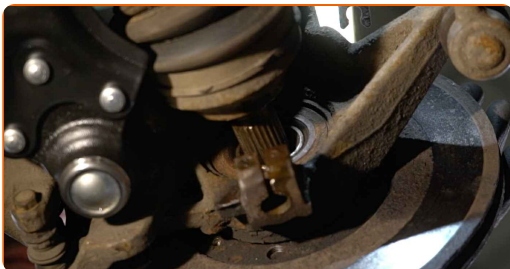
- 29 Screw in the fastening bolts. Use a combination spanner #16. Use a drive socket #13. Use a drive socket #16. Use a drive socket #18. Use a ratchet wrench.



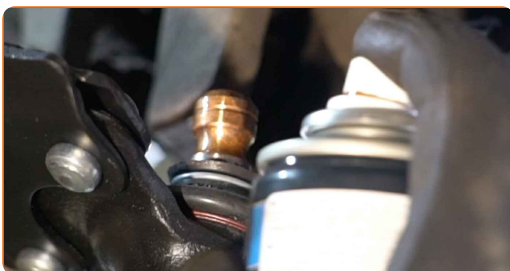
- 30 Clean the splines of the drive shaft CV joint. Use a wire brush. Use WD-40 spray.



- 31 Install the steering knuckle on the CV axle.



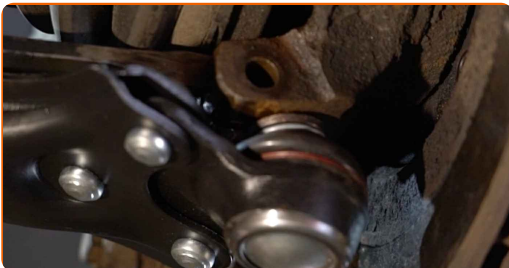
- 32 Treat the ball joint fastener. Use copper grease.



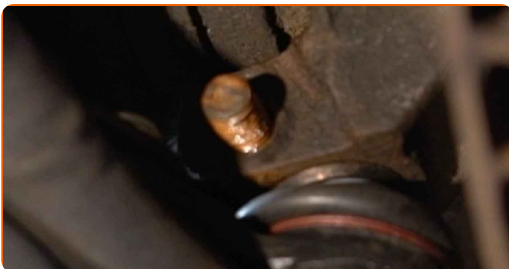
- 33** Release the fastener that connects the control arm ball joint to the steering knuckle. Use a flat metal-working chisel. Use a hammer.



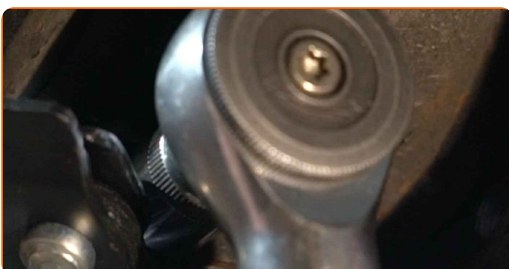
- 34** Connect the ball joint to the steering knuckle.



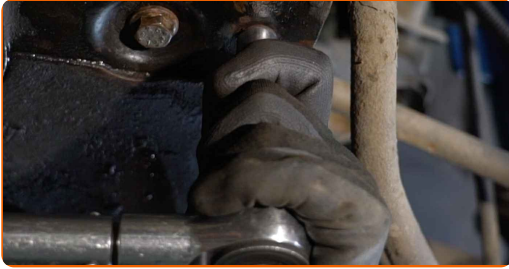
- 35** Install the fastening bolt.



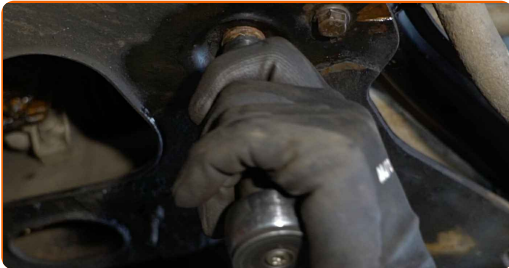
- 36** Tighten the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 40 Nm torque.



- 37** Tighten the rear fastener of the control arm. Use a drive socket #13. Use a torque wrench. Tighten it to 35 Nm torque.



- 38** Tighten the rear fastener of the control arm. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 90 Nm torque.



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



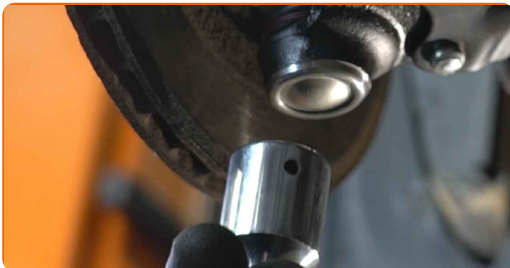
Replacement: front lower arm – Citroën Berlingo M. AUTODOC experts recommend:

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

- 40 Tighten the front fastener connecting the control arm to the subframe. Use a drive socket #18. Use a torque wrench. Tighten it to 95 Nm torque.



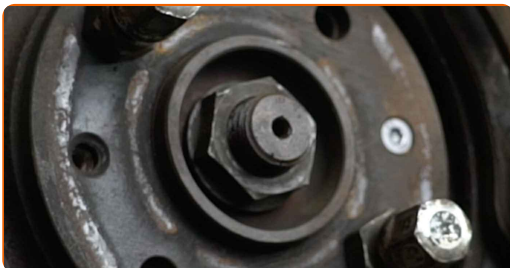
- 41 Remove the support from under the steering knuckle.



AUTODOC recommends:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

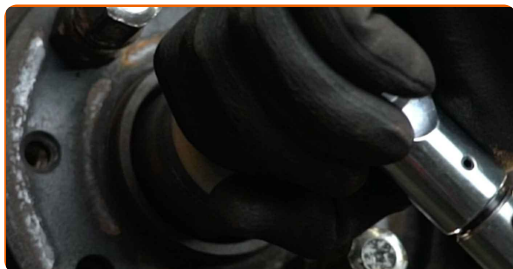
- 42 Install the fastening nut.



- 43 Screw the nut of the drive shaft.

44

Tighten the drive shaft nut. Use a drive socket #36. Use a torque wrench. Tighten it to 320 Nm torque.



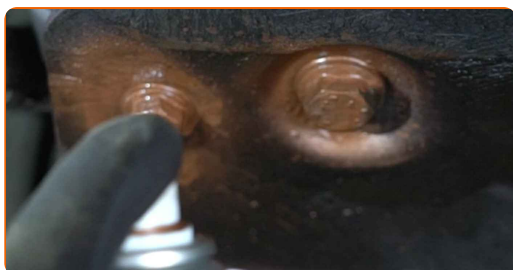
45

Restake the fastener of the driveshaft. Use a flat metal-working chisel. Use a hammer.



46

Treat all joints of the arm. Use copper grease.



47

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



48

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



49

Clean the brake disk surface. Use a brake cleaner.

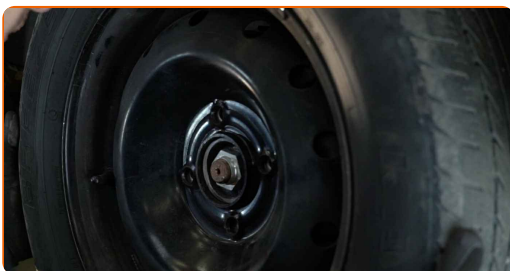


AUTODOC recommends:

- Replacement: front lower arm – Citroën Berlingo M. After applying the spray, wait a few minutes.

50

Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Citroën Berlingo M

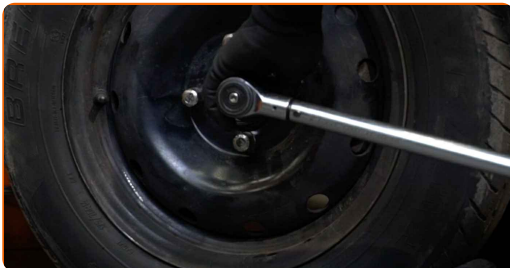
51

Screw in the wheel bolts. Use wheel impact socket #19.



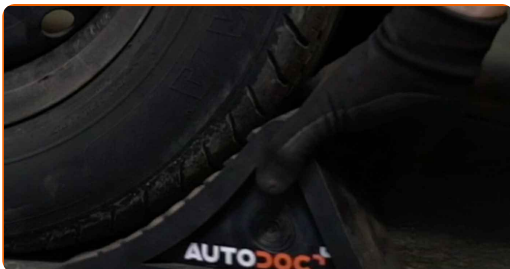
52

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 90 Nm torque.



53

Remove the jacks and chocks.



WELL DONE! 👍

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