



How to change front
lower arm on **RENAULT
Kangoo I Express (FC)** –
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:

RENAULT Kangoo I Express (FC) D 55 1.9 (FC0D), RENAULT Kangoo I Express (FC) D 65 1.9 (FC0E, FC02, FC0J, FC0N), RENAULT Kangoo I Express (FC) 1.5 dCi

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: RENAULT Clío II Hatchback (BB, CB) 1.2

REPLACEMENT: FRONT LOWER ARM – RENAULT KANGOO I EXPRESS (FC). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #16
- Combination spanner #18
- Drive socket # 12
- Drive socket # 13
- Drive socket # 16
- Drive socket # 18
- Torx bit T40
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Tap wrench
- Hammer
- Flat chisel
- Crow bar
- Wheel chock

Buy tools

Replacement: front lower arm – RENAULT Kangoo I Express (FC). 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 – RENAULT KANGOO I EXPRESS (FC). TAKE THE FOLLOWING STEPS:

1 Secure the wheels with chocks.

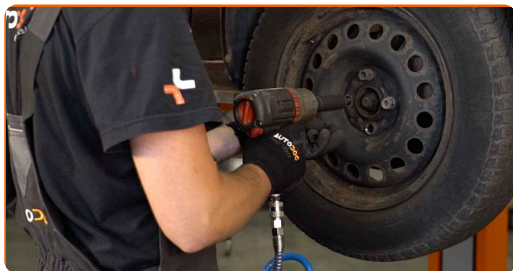


2 Loosen the wheel mounting bolts. Use wheel impact socket #19.



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

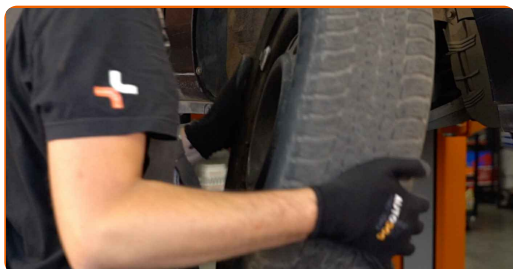
4 Unscrew the wheel bolts.



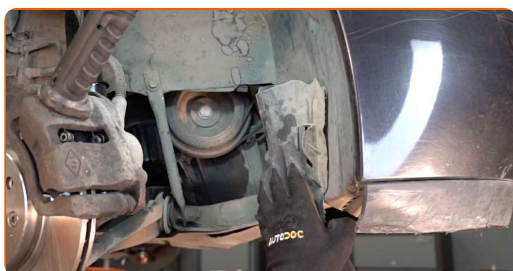
AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. RENAULT Kangoo I Express (FC)

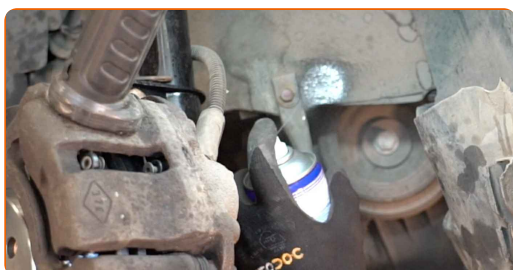
5 Remove the wheel.



6 Unscrew the wheel arch cover fasteners. Move the part aside.



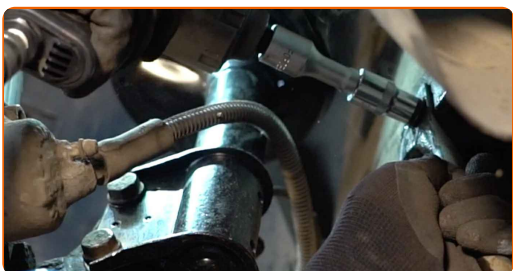
7 Clean the fasteners of the bumper reinforcement bar and of its bracket. Use a wire brush. Use WD-40 spray.



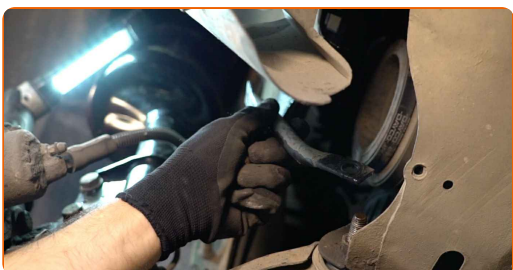
8 Unscrew the fasteners of the bumper reinforcement bar bracket. Use a drive socket #18. Use a tap wrench.



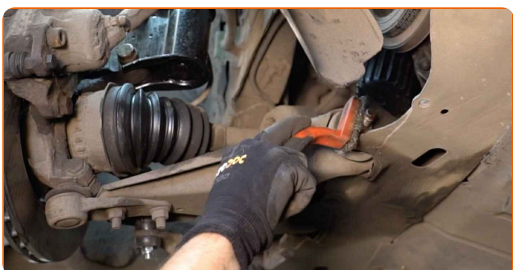
9 Unscrew the fasteners of the bumper reinforcement bar bracket. Use a drive socket #12. Use a tap wrench.



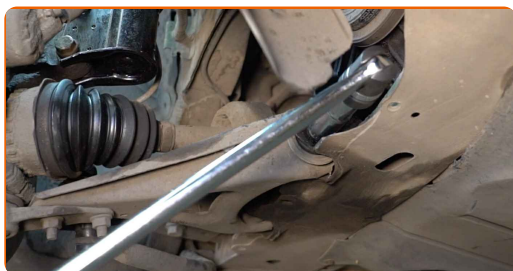
10 Remove the bumper reinforcement bar.



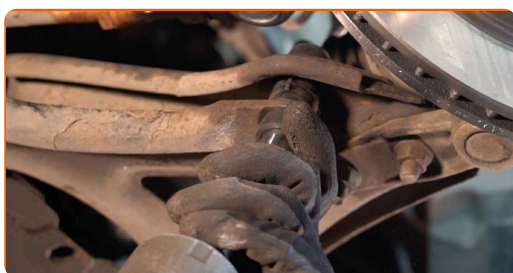
11 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.



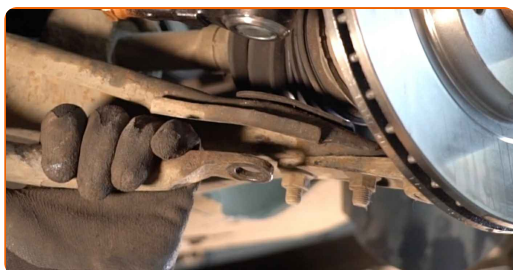
12 Unscrew the front arm fastener. Use a drive socket #18. Use a tap wrench.



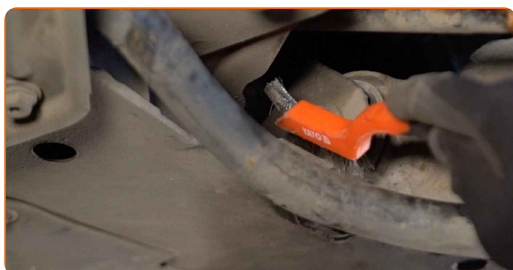
13 Unscrew the stabilizer rod fasteners. Use a drive socket #13.



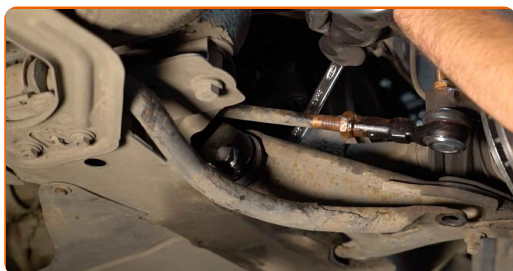
14 Remove the stabilizer rod.



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



16 Unscrew the rear arm fastener. Use a combination spanner #18. Use a drive socket #18. Use a tap wrench.



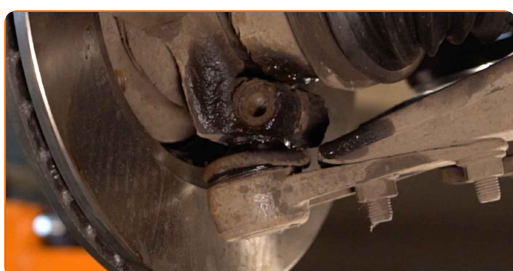
17 Clean the fastener connecting the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.



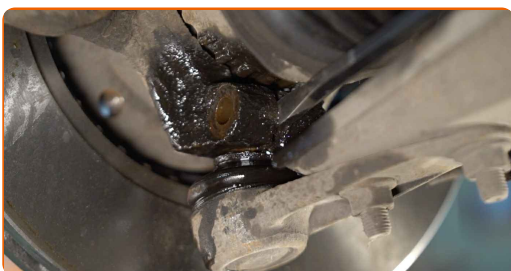
18 Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #16. Use a drive socket #16.



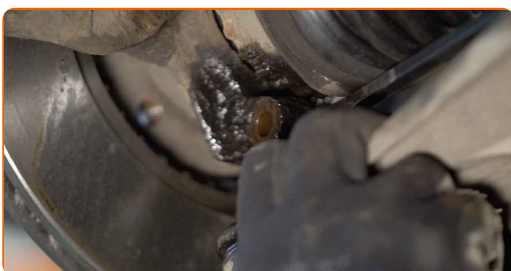
19 Remove the fastening bolt.



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



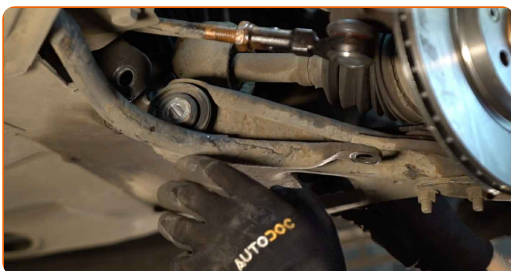
- 21 Disconnect the lower arm from the steering knuckle.



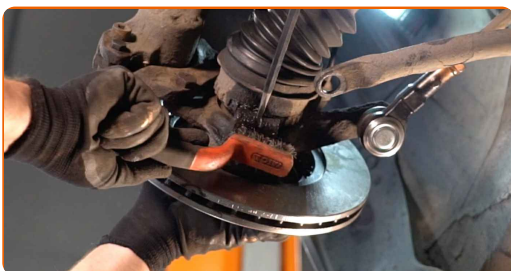
- 22 Remove the fastening bolts.



- 23 Remove the arm. Use a crowbar.



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



25

Install a new arm.



Replacement: front lower arm – RENAULT Kangoo I Express (FC).
Professionals recommend:

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

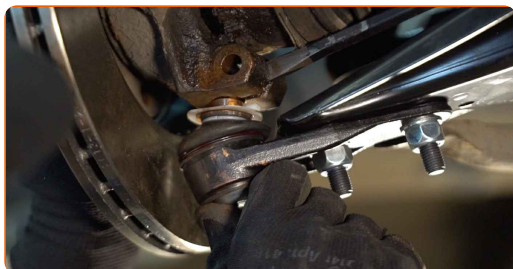
26

Install the fastening bolts.

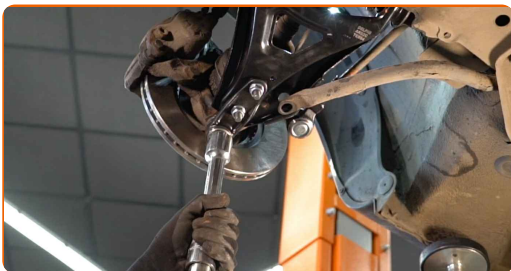


27

Connect the lower arm to the steering knuckle.



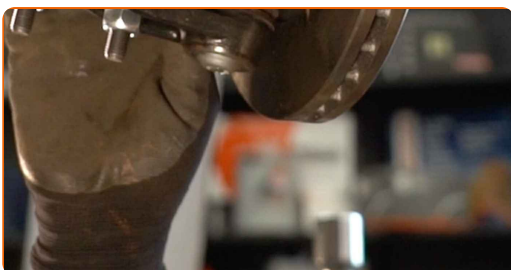
28 Support the arm. Use a hydraulic transmission jack.



29 Install the fastening bolt.



30 Remove the support from under the arm.



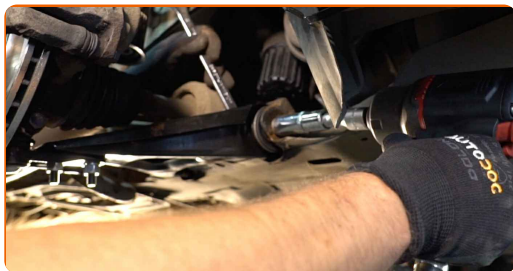
AUTODOC recommends:

- RENAULT Kangoo I Express (FC) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

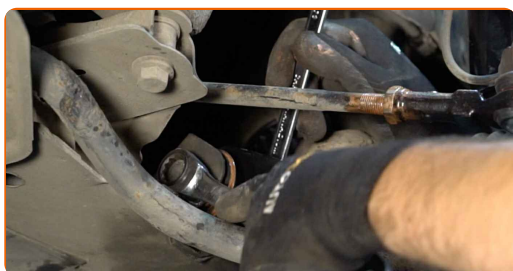
31 Screw the fasteners of the ball joint. Use a drive socket #16. Use a combination spanner #16.



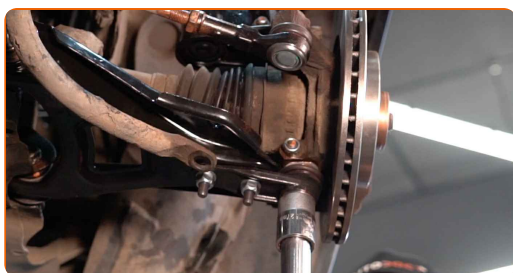
32 Screw the front arm fastener. Use a combination spanner #18. Use a drive socket #18. Use a tap wrench.



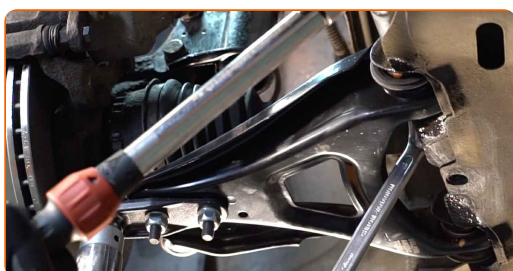
33 Screw the rear fastener connecting the control arm to the subframe. Use a combination spanner #18. Use a drive socket #18.



34 Support the arm. Use a hydraulic transmission jack.



35 Tighten the front fastener connecting the control arm to the subframe. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 90 Nm torque.



- 36** Tighten the rear fastener of the control arm. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 90 nm torque.



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



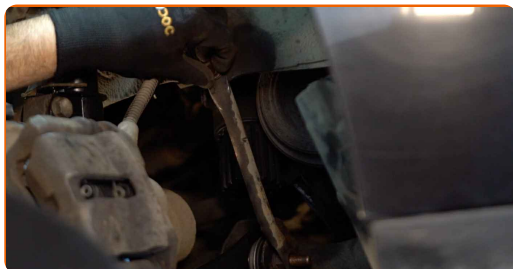
AUTODOC recommends:

- Replacement: front lower arm – RENAULT Kangoo I Express (FC). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

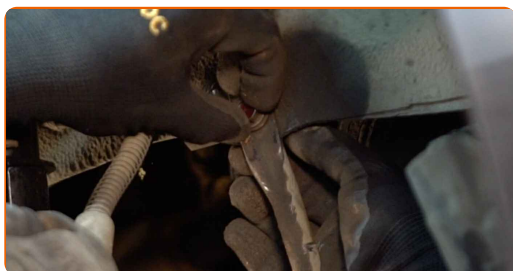
- 38** Tighten the ball joint fastener. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 55 Nm torque.



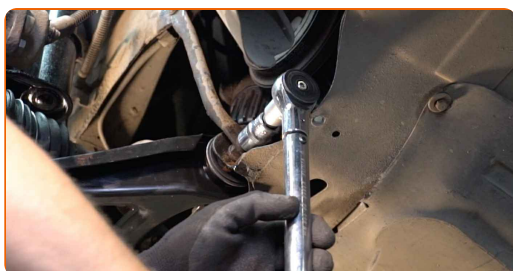
39 Install the bumper reinforcement bar.



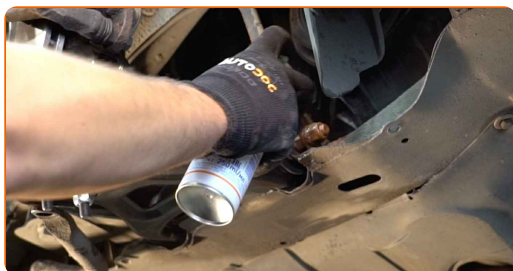
40 Screw in the fastener of the bumper reinforcement bar bracket. Use a drive socket #12. Use a ratchet wrench.



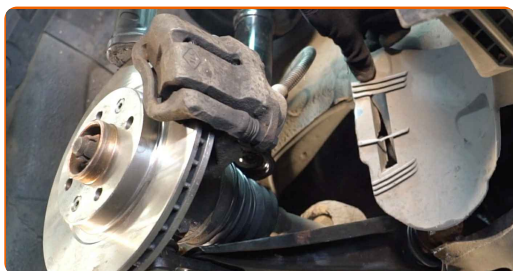
41 Screw in the fastener of the bumper reinforcement bar bracket. Use a drive socket #18. Use a torque wrench. Tighten it to 70 Nm torque.



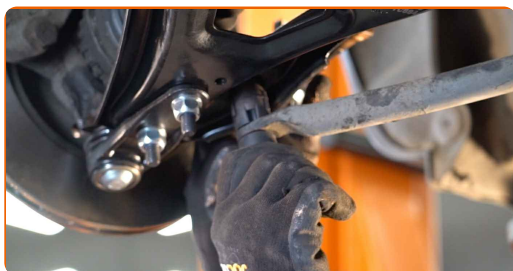
42 Treat the bumper support bracket. Use copper grease.



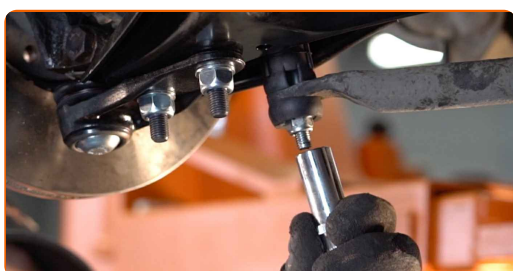
43 Install the wheel arch cover to its mounting seat.



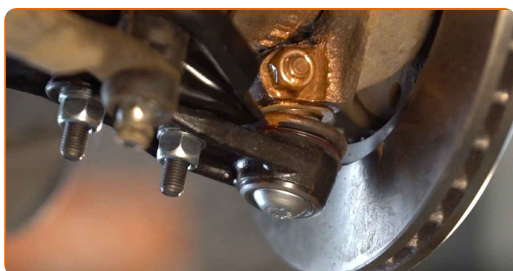
44 Install the transverse stabilizer link. Use a crowbar.



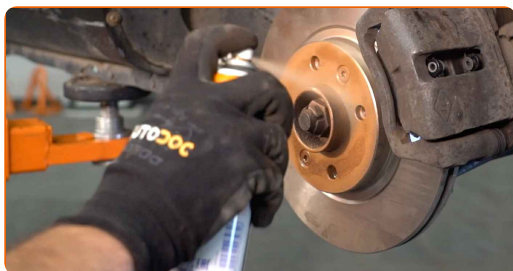
45 Tighten the stabiliser link fastener. Use Torx T40. Use a drive socket #13. Use a torque wrench. Tighten it to 14 Nm torque.



46 Treat all joints of the arm. Use copper grease.



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



48 Clean the brake disk surface. Use a brake cleaner.

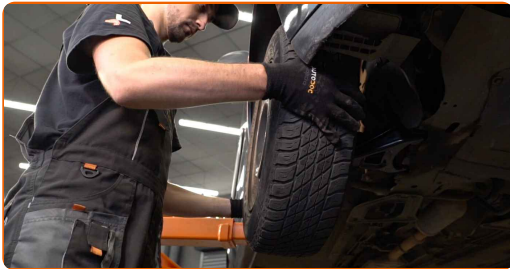


AUTODOC recommends:

- Replacement: front lower arm – RENAULT Kangoo I Express (FC). After applying the spray, wait a few minutes.

49

Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. RENAULT Kangoo I Express (FC)

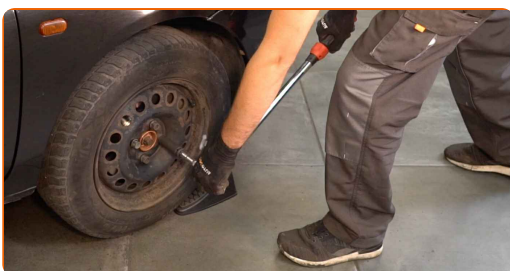
50

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



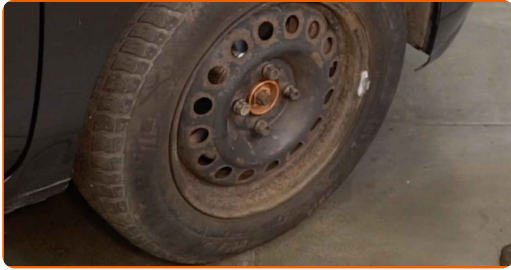
51

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 90 nm torque.



52

Remove the jacks and chocks.



WELL DONE! 

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