



How to change front  
lower arm on **RENAULT**  
**MEGANE II Coupé-**  
**Cabriolet (EM0/1\_) –**  
replacement guide

### SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

#### **i Important!**

This replacement procedure can be used for:

RENAULT MEGANE II Coupé-Cabriolet (EM0/1\_) 1.6, RENAULT MEGANE II Coupé-Cabriolet (EM0/1\_) 2.0, RENAULT MEGANE II Coupé-Cabriolet (EM0/1\_) 1.9 dCi, RENAULT MEGANE II Coupé-Cabriolet (EM0/1\_) 2.0 16V Turbo, RENAULT MEGANE II Coupé-Cabriolet (EM0/1\_) 2.0 dCi, RENAULT MEGANE II Coupé-Cabriolet (EM0/1\_) 1.5 dCi, RENAULT MEGANE II Coupé-Cabriolet (EM0/1\_) 1.6 16V

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 MEGANE II Saloon (LM0/1\_) 1.4

**REPLACEMENT: FRONT LOWER ARM – RENAULT MEGANE II COUPÉ-CABRIOLET (EM0/1\_). TOOLS YOU MIGHT NEED:**



- Wire brush
- WD-40 spray
- Copper grease
- Combination spanner #16
- Combination spanner #18
- Drive socket # 12
- Drive socket # 13
- Drive socket # 16
- Drive socket # E16
- Drive socket # 18
- Torx bit T20
- Wheel impact socket #19
- Shock absorber socket
- Ratchet wrench
- Torque wrench
- Clip removal tool
- Pin punch
- Hammer
- Crow bar
- Rubber mallet
- Hydraulic transmission jack
- Fender cover
- Wheel chock

**Buy tools**

Replacement: front lower arm – RENAULT MEGANE II Coupé-Cabriolet (EM0/1\_). AUTODOC experts recommend:

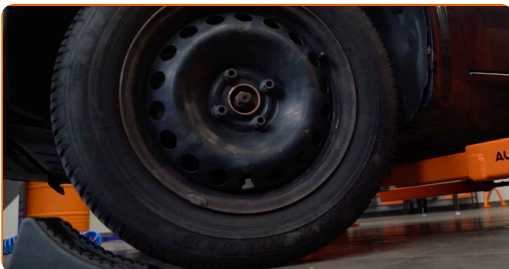
- The replacement procedure is identical for the left and right lower control arms.
- All work should be done with the engine stopped.

## REPLACEMENT: FRONT LOWER ARM – RENAULT MEGANE II COUPÉ-CABRIOLET (EM0/1\_). USE THE FOLLOWING PROCEDURE:

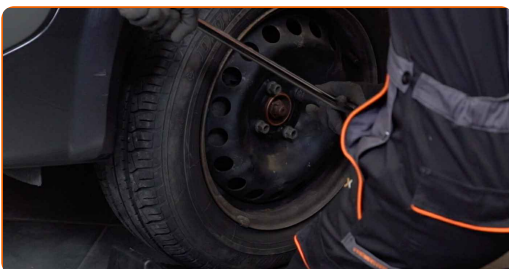
**1** Open the bonnet.

**2** Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

**3** Secure the wheels with chocks.



**4** Loosen the wheel mounting bolts. Use wheel impact socket #19.



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

**6** Unscrew the wheel bolts.



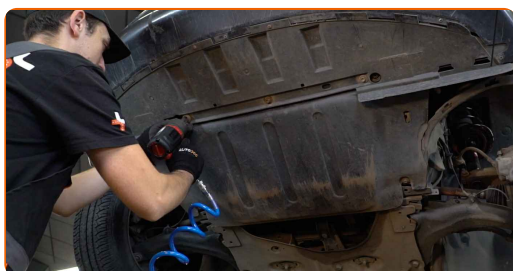
**AUTODOC recommends:**

- Important! Hold the wheel while unscrewing the fastening bolts. RENAULT MEGANE II Coupé-Cabriolet (EM0/1\_)

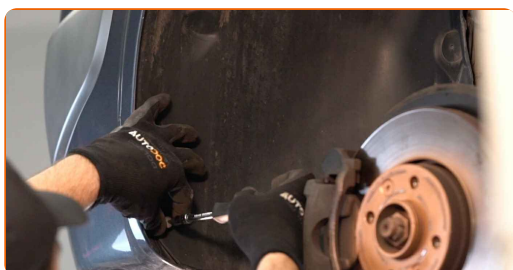
**7** Remove the wheel.



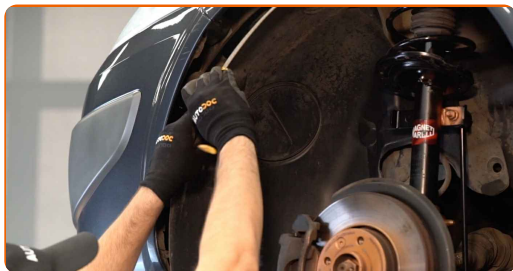
**8** Remove the lower sound insulation. Use a drive socket #12.



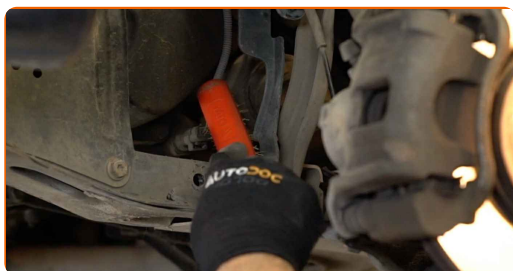
**9** Unscrew and remove the wheel arch cover fasteners. Use Torx T20. Use a clip removal tool.



**10** Remove the wheel arch cover.



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



Replacement: front lower arm – RENAULT MEGANE II Coupé-Cabriolet (EM0/1\_). AUTODOC experts recommend:

- After applying the spray, wait a few minutes.
- Wear protective goggles.

**12** Unscrew the fasteners of the bumper reinforcement bar bracket. Use a drive socket #13.



- 13** Unscrew the fasteners connecting the bumper reinforcement bar to the subframe. Use a drive socket #13. Use a ratchet wrench.



- 14** Support the lower radiator support to prevent it from falling when removing the bumper reinforcement bar. Use a hydraulic transmission jack.



- 15** Loosen the fastener connecting the bumper reinforcement bar to the lower radiator support. Use a drive socket #18. Use a ratchet wrench.

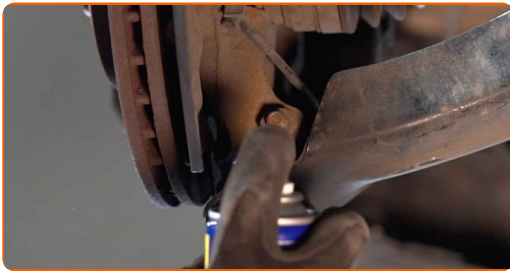


- 16** Detach and pull aside the bumper reinforcement bar. Use a crowbar.



17

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



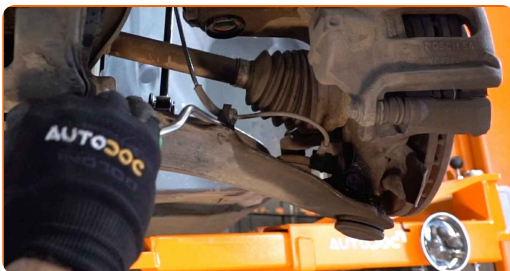
18

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



19

Detach the ABS sensor wiring from the suspension control arm. Use a clip removal tool.



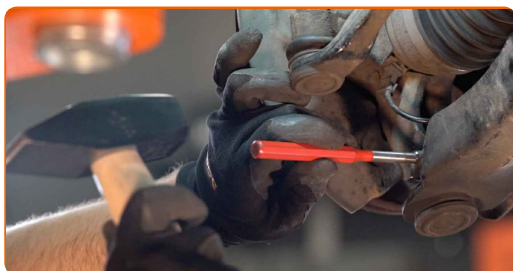
20

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

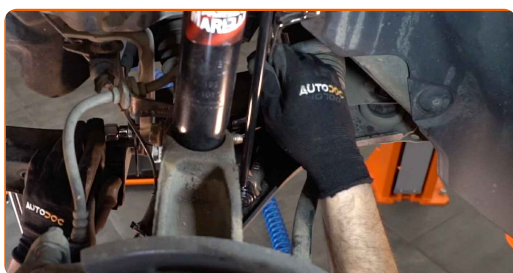




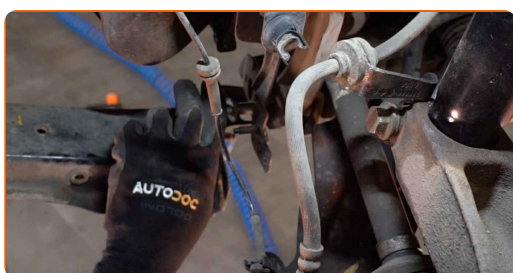
**21** Remove the fastening bolt. Use a hammer. Use a pin punch.



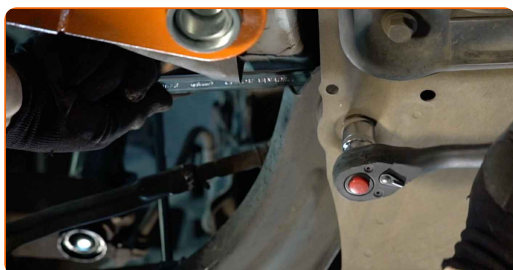
**22** Unscrew the front arm fastener. Use a drive socket #E16. Use a combination spanner #18. Use a ratchet wrench.



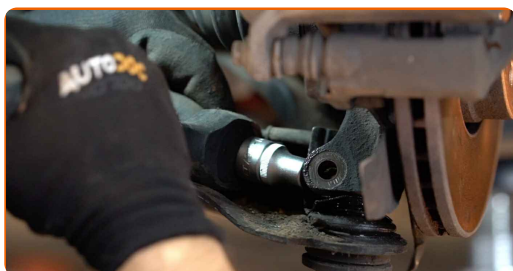
**23** Remove the fastening bolt. Use a crowbar.



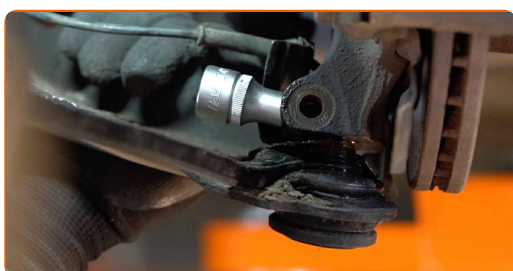
**24** Unscrew the rear arm fastener. Use a drive socket #18. Use a combination spanner #18. Use a ratchet wrench.



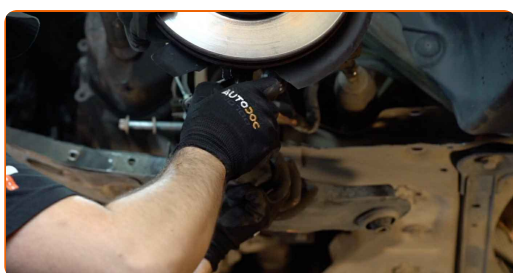
- 25 Release the fastener connecting the ball joint to the steering knuckle. Use a special drive socket to remove the shock absorber.



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



- 27 Remove the arm. Use a crowbar.



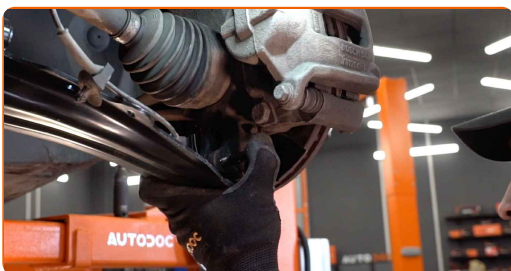
- 28 Clean the mounting seats and the thread of the suspension arm. Use a wire brush.



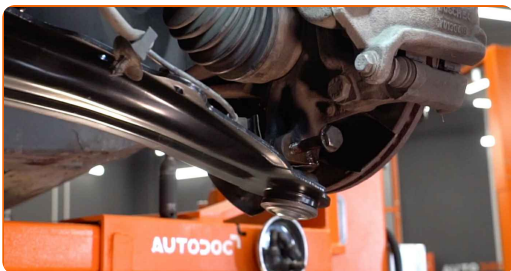
29 Install a new arm.



30 Connect the ball joint to the steering knuckle.



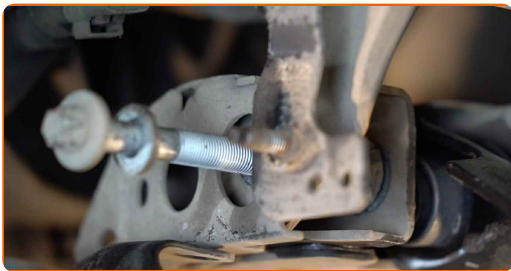
31 Install the control arm fasteners.



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



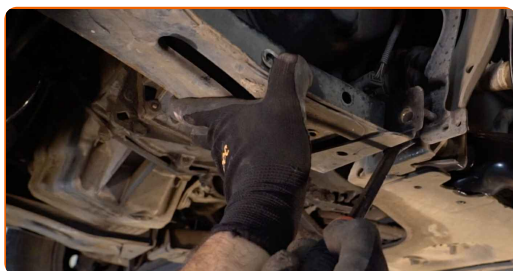
33 Install the front fastener of the arm. Use a crowbar. Use a rubber mallet.



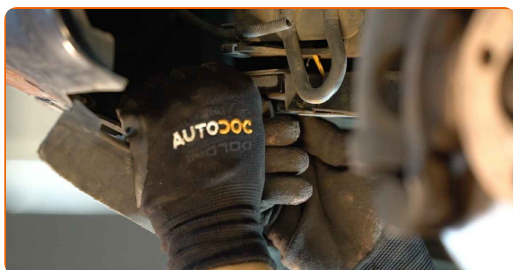
**34** Screw the front arm fastener. Use a drive socket #E16. Use a combination spanner #18. Use a ratchet wrench.



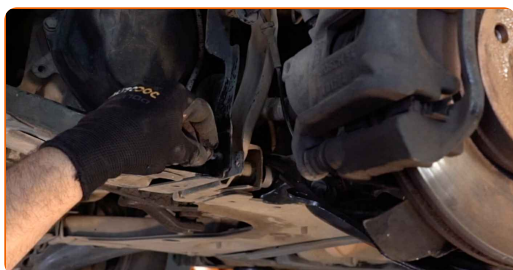
**35** Install the bumper reinforcement bar. Use a crowbar.



**36** Screw in the fastener connecting the bumper reinforcement bar to the lower radiator support.

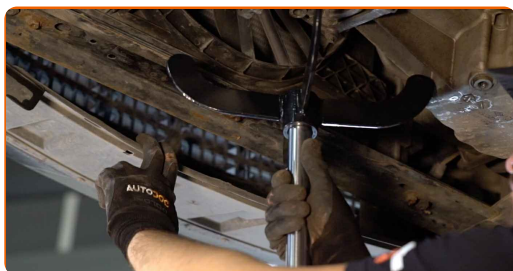


**37** Screw in the fastener connecting the bumper reinforcement bar to the subframe.



38

Remove the support from under the lower radiator support.

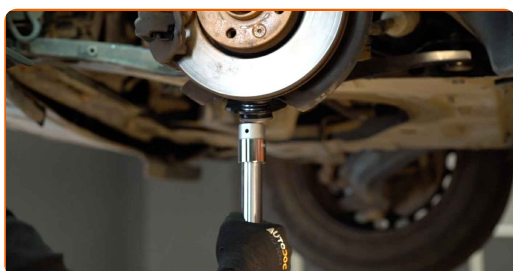


**AUTODOC recommends:**

- Replacement: front lower arm – RENAULT MEGANE II Coupé-Cabriolet (EM0/1\_). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

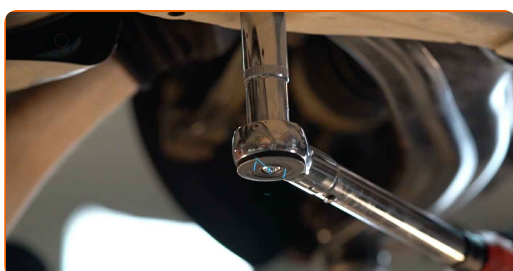
39

Support the arm. Use a hydraulic transmission jack.

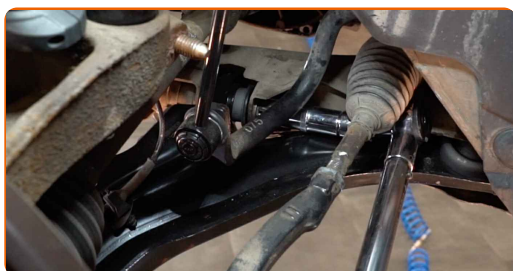


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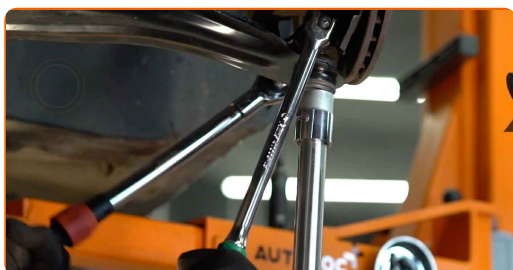
Tighten the rear fastener connecting the arm to the body subframe. Use a drive socket #18. Use a combination spanner #18. Use a torque wrench. Tighten it to 105 nm torque.



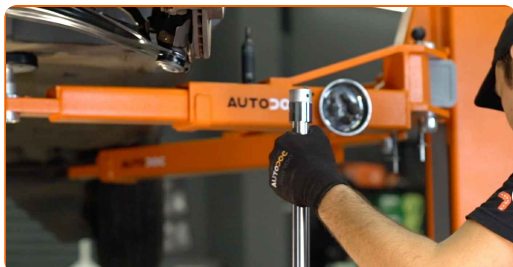
- 41** Tighten the front fastener connecting the control arm to the subframe. Use a combination spanner #16. Use a combination spanner #18. Use a torque wrench. Tighten it to 105 nm torque.



- 42** Tighten the ball joint fastener. Use a drive socket #16. Use a combination spanner #18. Use a torque wrench. Tighten it to 62 nm torque.



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



Replacement: front lower arm – RENAULT MEGANE II Coupé-Cabriolet (EM0/1\_). Professionals recommend:

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

- 44** Tighten the fastener connecting the bumper reinforcement bar to the subframe. Use a drive socket #13. Use a ratchet wrench.



- 45** Tighten the fastener connecting the bumper reinforcement bar to the lower radiator support. Use a drive socket #18. Use a torque wrench. Tighten it to 75 nm torque.



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



- 47** Screw in the fastener of the bumper reinforcement bar bracket. Use a drive socket #13.



**48** Connect the ABS sensor wiring.



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



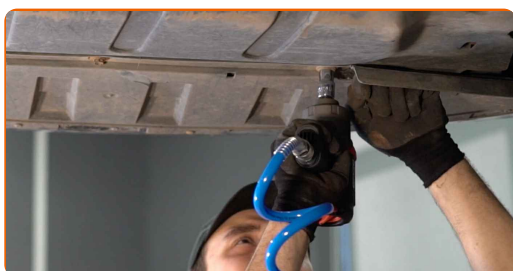
**50** Install and tighten the wheel arch cover fasteners. Use Torx T20.



**51** Install the lower sound insulation.



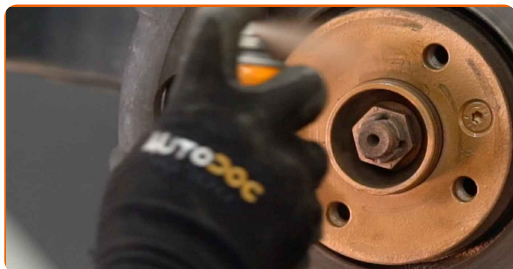
**52** Screw in the fasteners of the lower sound insulation. Use a drive socket #12.





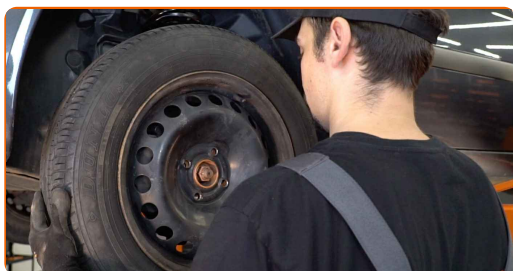
53

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



54

Install the wheel.

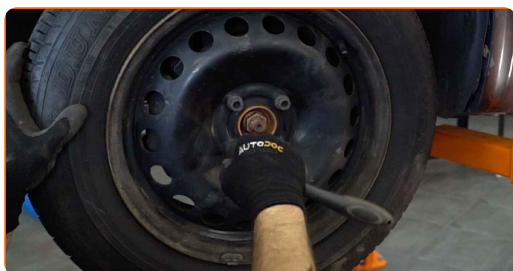


Replacement: front lower arm – RENAULT MEGANE II Coupé-Cabriolet (EM0/1\_). Tip from AUTODOC experts:

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

55

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



- 56** Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 110 nm torque.



- 57** Remove the jacks and chocks.



- 58** Remove the fender protection cover.

- 59** Close the hood.

**WELL DONE!** 

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