



How to change front
shock absorbers on
RENAULT Master II
Minibus – 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 MASTER II Bus (JD) 2.5 D, RENAULT MASTER II Bus (JD) 2.8 dTi, RENAULT MASTER II Bus (JD) 2.2 dCi 90, RENAULT MASTER II Bus (JD) 1.9 dTi, RENAULT MASTER II Bus (JD) 2.5 dCi 120, RENAULT MASTER II Bus (JD) 1.9 dCi 80

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 MASTER II Box (FD) 2.2 dCi 90

REPLACEMENT: SHOCK ABSORBERS – RENAULT MASTER II MINIBUS. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Ceramic grease
- Torque wrench
- 18 mm socket
- 21 mm socket
- 30 mm socket
- 24 mm wheel impact socket
- Ratchet wrench or power tool for removal/installation of threaded fasteners
- Tommy bar
- Spring compressor
- Transmission jack or a second vehicle jack
- Car lift or jack with jack stands, and wheel chocks

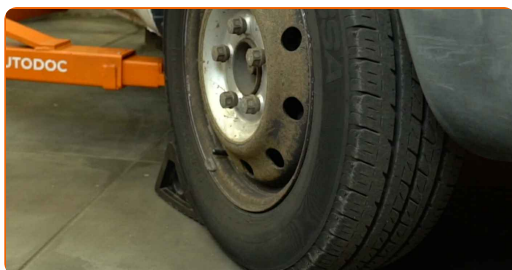
Buy tools

Replacement: shock absorbers – RENAULT Master II Minibus. Professionals recommend:

- Replace shock absorbers in pairs on an axle.
- The replacement procedure is identical for the left and right shock absorbers of the rear suspension.
- Please note: all work on the car – RENAULT Master II Minibus – should be done with the engine switched off.

CARRY OUT THE REPLACEMENT STEPS AS FOLLOWS:

- 1** If you are going to use a jack, secure the wheels with chocks.



- 2** Loosen the wheel fasteners. Use a 24 mm wheel impact socket. Use a tommy bar.



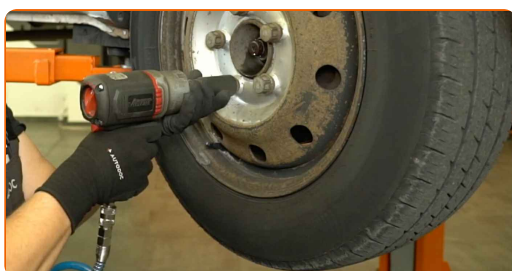
- 3** Raise the vehicle.

Replacement: shock absorbers – RENAULT Master II Minibus. AUTODOC recommends:

- If you are using a jack, make sure the car is parked on a hard, flat surface.
- Make sure to additionally secure the car with jack stands.

4

Unscrew the wheel fasteners.

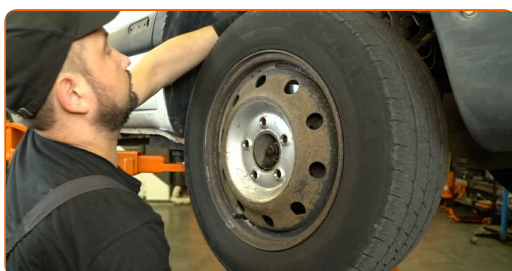


Caution!

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

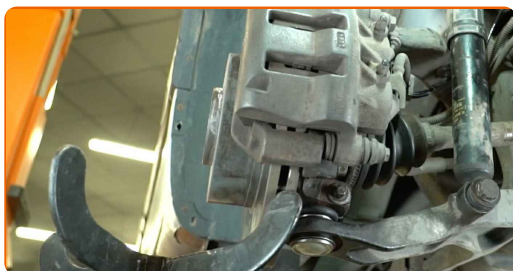
5

Remove the wheel.



6

Support the steering knuckle. Use a transmission jack or one more vehicle jack.



7

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



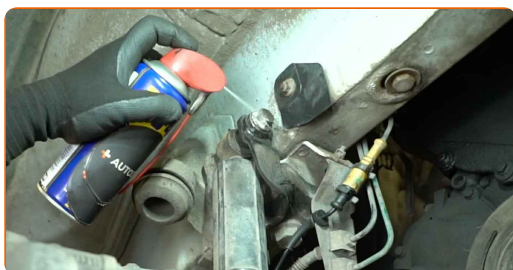
8

Loosen the fastener connecting the control arm to the subframe. Use a 30 mm socket. Use a tommy bar.



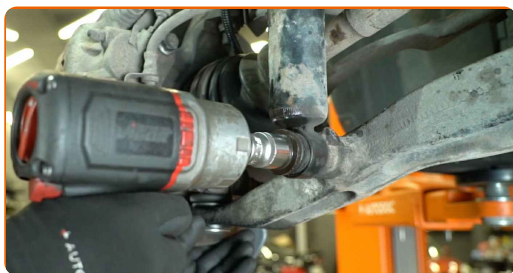
9

Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.



10

Unscrew the lower fastener of the shock absorber. Use a 21 mm socket. Use a ratchet wrench.



11

Unscrew the upper fastener of the shock absorber. Use an 18 mm socket. Use a ratchet wrench.



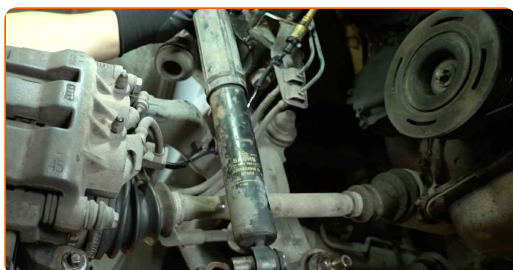
12

Remove the fastening bolts.



13

Remove the shock absorber.



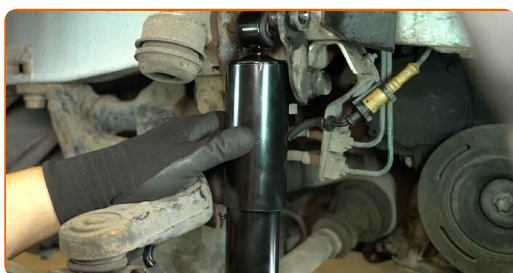
14

Clean the shock absorber mounting seats. Use a wire brush. Use an all-purpose cleaning spray.



15

Install the new shock absorber.

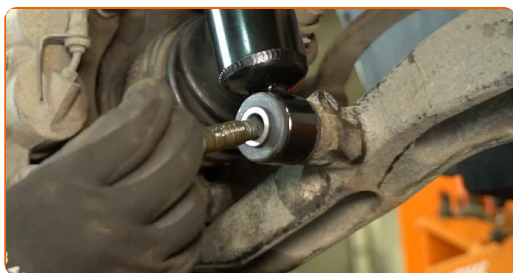


AUTODOC recommendation:

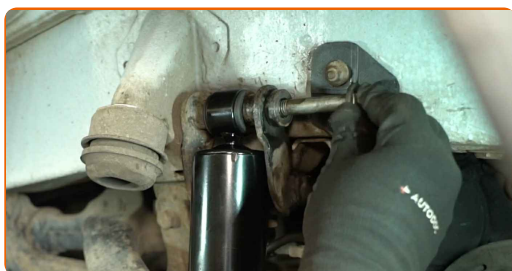
- Before installing the new shock absorber, make sure to prime it if the part manufacturer recommends doing so. Holding the part upright, compress it and let it extend on its own 3–5 times.

16.1

Install the fastening bolts.



- 16.2** If necessary, jack up the suspension to align the mounting holes. Use a transmission jack or one more vehicle jack.

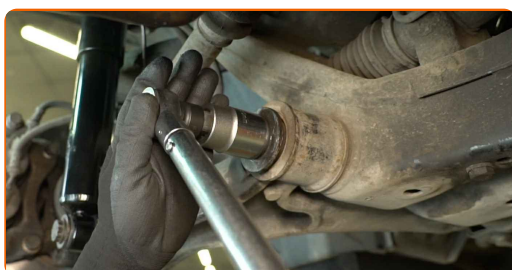


- 17** To tighten the fasteners correctly, you have to jack up the suspension to load it. Use a transmission jack or one more vehicle jack.

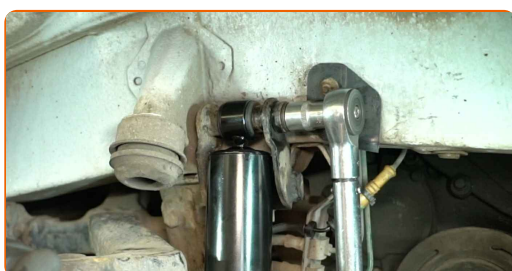
- 18** Tighten the lower fastener of the shock absorber. Use a 21 mm socket. Use a torque wrench. Tightening torque: 180 N·m.



- 19** Tighten the fastener connecting the control arm to the subframe. Use a 30 mm socket. Use a torque wrench. Tightening torque: 280 N·m.

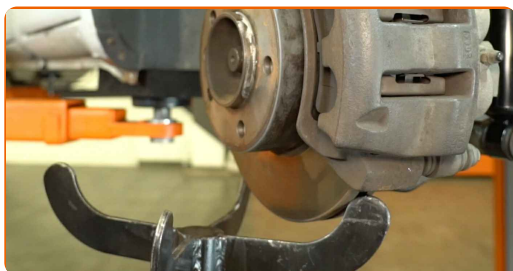


- 20** Tighten the top fastener of the shock absorber. Use an 18 mm socket. Use a torque wrench. Tightening torque: 62 N·m.



21

Remove the support from under the steering knuckle.

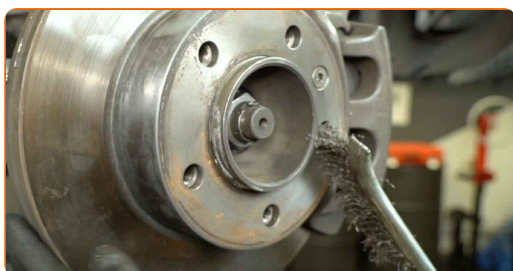


Replacement: shock absorbers – RENAULT Master II Minibus. Tip from AUTODOC experts:

- Lower the transmission or vehicle jack smoothly without jerking it to avoid damaging the vehicle assemblies and mechanisms.

22

Clean the wheel rim mounting seat. Use a wire brush. Use an all-purpose cleaning spray.



23

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



24

Install the wheel.

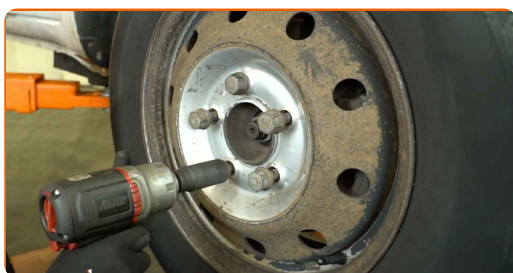


Caution!

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

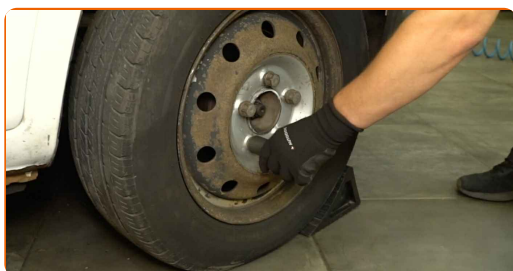
25

Screw in the wheel fasteners. Use a 24 mm wheel impact socket. Use a ratchet wrench.



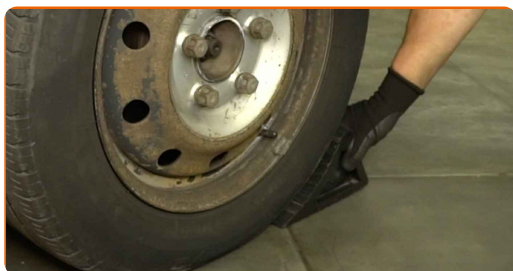
26

Lower the car and tighten the wheel fasteners in a criss-cross pattern. Use a 24 mm wheel impact socket. Use a torque wrench. Tightening torque: 172 N·m.



27

Remove the jack, jack stands, and wheel chocks.



WELL DONE! 

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