



How to change rear
shock absorbers on **Audi**
A3 8L1 – replacement
guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

AUDI A3 Hatchback (8L1) 1.6, AUDI A3 Hatchback (8L1) 1.8 T, AUDI A3 Hatchback (8L1) 1.9 TDI, AUDI A1 Hatchback (8X1, 8XK) 1.4 TFSI, AUDI A1 Hatchback (8X1, 8XK) 1.6 TDI, AUDI A1 Hatchback (8X1, 8XK) 2.0 TDI, AUDI TT Coupe (8N3) 1.8 T, AUDI A3 Hatchback (8L1) 1.8 T quattro, AUDI A3 Hatchback (8L1) S3 quattro, AUDI TT Roadster (8N9) 1.8 T, AUDI A1 Hatchback (8X1, 8XK) 1.2 TFSI

The steps may slightly vary depending on the car design.

REPLACEMENT: SHOCK ABSORBERS – AUDI A3 8L1.
TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Drive socket # 16
- Combination spanner #16
- Torque wrench
- Adjustable wrench
- Wheel impact socket #17
- Hydraulic transmission jack
- Wheel chock

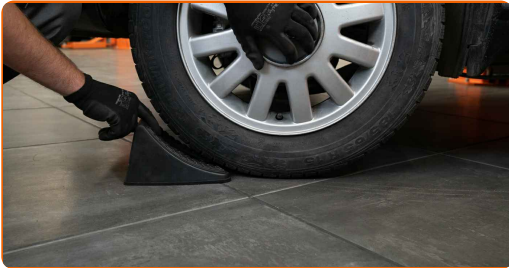
BUY TOOLS

Replacement: shock absorbers – Audi A3 8L1. Tip from AUTODOC experts:

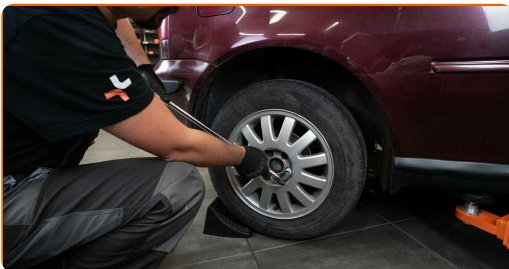
- Both shock absorbers of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock absorbers of the rear suspension.
- All work should be done with the engine stopped.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Secure the wheels with chocks.



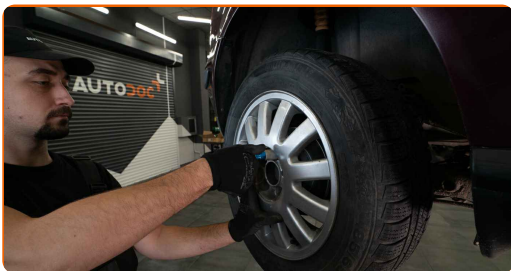
2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



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



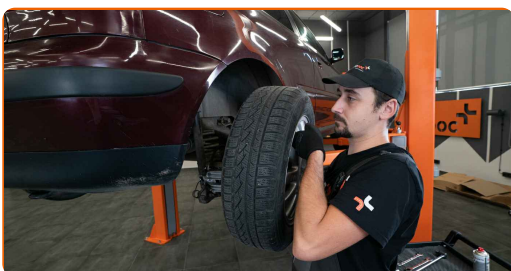
4 Unscrew the wheel bolts.



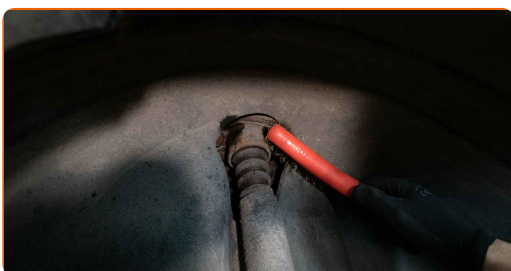
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
Audi A3 8L1

5 Remove the wheel.



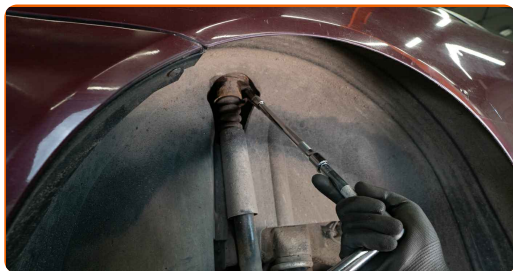
6 Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.



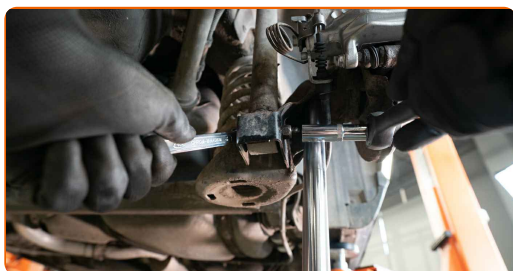
7 Support the arm. Use a hydraulic transmission jack.



8 Unscrew the upper fastener of the shock absorber. Use a drive socket #16.



9 Unscrew the lower fastener of the shock absorber. Use a combination spanner #16. Use a drive socket #16.



Replacement: shock absorbers – Audi A3 8L1. Tip:

- To avoid injuries, hold the shock absorber when undoing the fastening bolts.

10 Remove the support from under the rear arm.

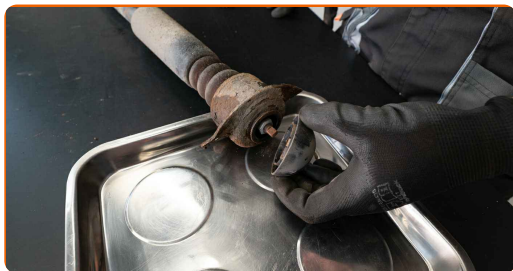


11 Remove the shock absorber.



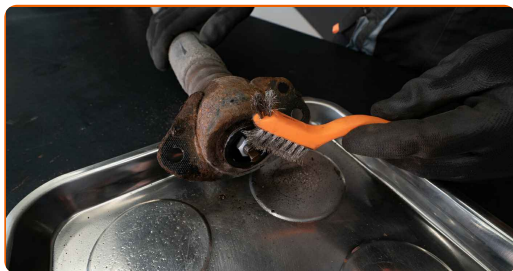
12

Remove the protective cap of the shock absorber mount.



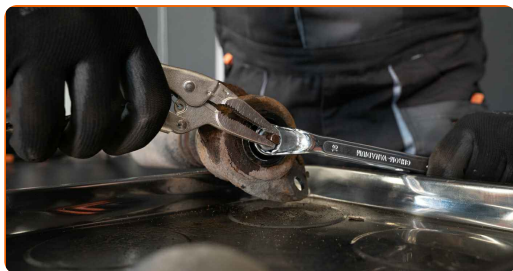
13

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



14

Remove the shock absorber piston rod fastening. Use a combination spanner #16. Use an adjustable wrench.



15

Remove the shock absorber mount, boot and bump stop.



Replacement: shock absorbers – Audi A3 8L1. AUTODOC experts recommend:

- Thoroughly examine the shock absorber mount, dust boot, bump stop. Replace them if necessary.
- Before installing a new shock absorber you should pump it manually 3-5 times.

16

Install the boot and a bump stop onto the shock absorber.



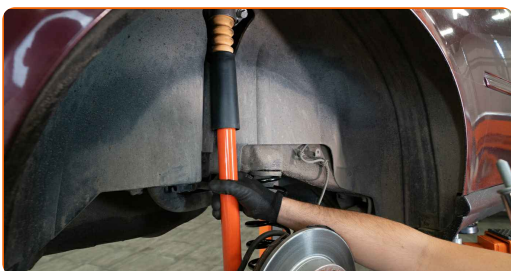
17

Install the top mount on the new shock absorber and secure it. Use a combination spanner #16. Use an adjustable wrench. Use a torque wrench. Tighten it to 25 Nm torque.

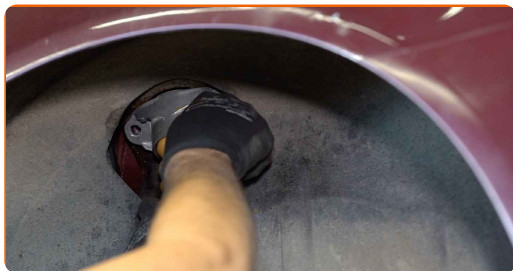


18

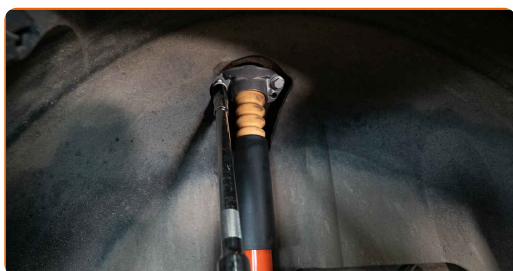
Place the shock absorber in the wheel arch and fasten it.



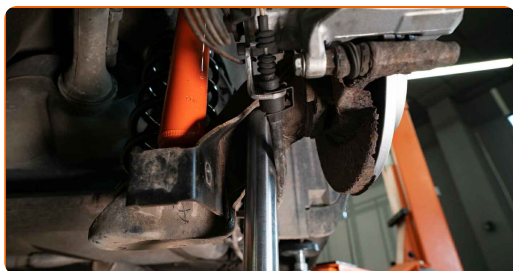
19 Install the shock absorber mount using the center hole as a guide.



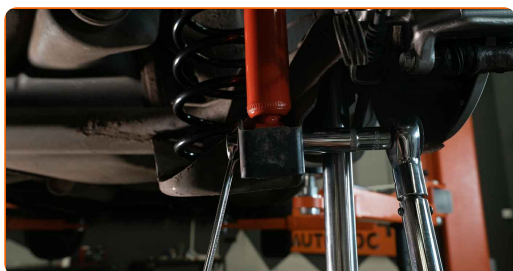
20 Tighten the top shock absorber fastening. Important! Be sure to use new fasteners. Use a drive socket #16. Use a torque wrench. Tighten it to 30 Nm torque.+90°



21 Support the arm. Use a hydraulic transmission jack.



22 Tighten the lower fastener of the shock absorber. Important! Be sure to use new fasteners. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 40 Nm torque.+90°



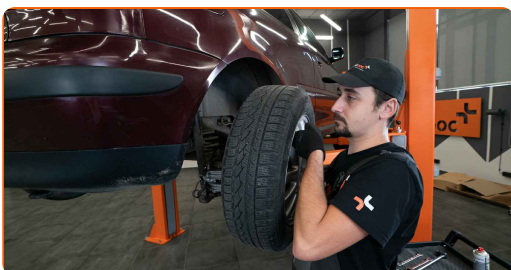
23 Remove the support from under the rear arm.



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



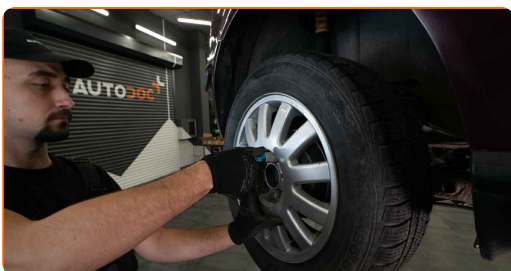
25 Install the wheel.



Replacement: shock absorbers – Audi A3 8L1. AUTODOC recommends:

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

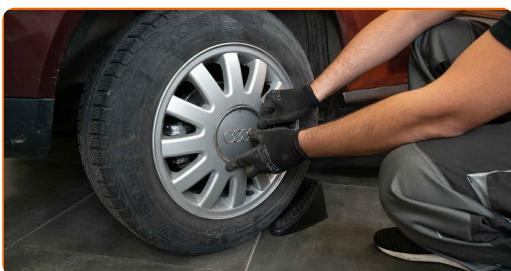
26 Screw in the wheel bolts. Use wheel impact socket #17.



- 27** Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 Nm torque.



- 28** Remove the jacks and chocks.



WELL DONE! 

VIEW MORE TUTORIALS

AUTODOC – TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

AUTODOC MOBILE APP: GREAT DEALS AND CONVENIENT SHOPPING



+ AUTODOC

GET IT ON
Google Play

Download on the
App Store

Download

A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

BUY SPARE PARTS FOR AUDI

SHOCK ABSORBERS: A WIDE SELECTION

CHOOSE CAR PARTS FOR AUDI A3 8L1

SHOCK ABSORBERS FOR AUDI: BUY NOW

SHOCK ABSORBERS FOR AUDI A3 8L1: THE BEST DEALS & OFFERS

DISCLAIMER:

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.

© Copyright 2023 – All the contents of this website, in particular texts, photographs and graphics, are protected by copyright. All rights, including reproduction, publication, editing and translation rights, are reserved by AUTODOC SE.