



How to change rear  
shock absorbers on  
**VAUXHALL Nova Saloon**  
**(S83)** – 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:

VAUXHALL Nova Saloon (S83) 1.0, VAUXHALL Nova Saloon (S83) 1.2 S, VAUXHALL Nova Saloon (S83) 1.3 S, VAUXHALL Nova Saloon (S83) 1.4 S, VAUXHALL Nova Saloon (S83) 1.5 TD, VAUXHALL Nova Saloon (S83) 1.4

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: OPEL Corsa B Hatchback (S93) 1.4 i (F08, F68, M68)

**REPLACEMENT: SHOCK ABSORBERS – VAUXHALL NOVA SALOON (S83). TOOLS YOU MIGHT NEED:**



- Wire brush
- WD-40 spray
- Ceramic grease
- Copper grease
- Torque wrench
- Combination spanner #14
- Drive socket # 17
- Shock absorber socket # DD5,2
- Wheel impact socket #17
- Hydraulic transmission jack
- Wheel chock
- Fender cover

**Buy tools**

Replacement: shock absorbers – VAUXHALL Nova Saloon (S83). Tip from AUTODOC:

- 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.
- Please note: all work on the car – VAUXHALL Nova Saloon (S83) – should be done with the engine switched off.

**CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:**

**1** Open the boot lid.

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

**3** Fold down the backrests of the rear seats.



**4** Remove the cover of the boot side lining.



**5** Remove the protective cap of the shock absorber mount.



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



**7** Loosen the upper fastener of the shock absorber. Use a combination spanner #14. Use a shock absorber socket DDN#5,2.



Replacement: shock absorbers – VAUXHALL Nova Saloon (S83). AUTODOC recommends:

- Do not completely unscrew the upper fasteners as they may hold also other suspension components.

**8** Secure the wheels with chocks.

**9** Loosen the wheel mounting bolts. Use wheel impact socket #17.



**10** Raise the car.

Replacement: shock absorbers – VAUXHALL Nova Saloon (S83). AUTODOC experts recommend:

- 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.

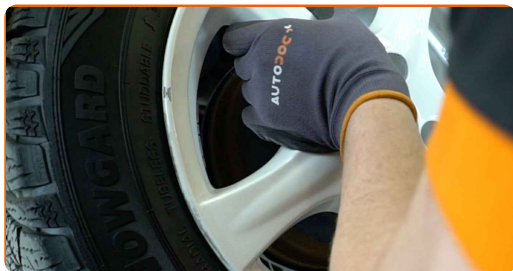
**11** Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. VAUXHALL Nova Saloon (S83)

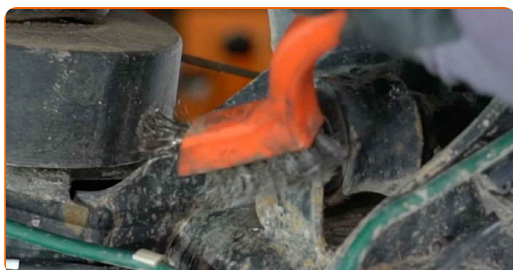
**12** Remove the wheel.



**13** Support the rear suspension beam. Use a hydraulic transmission jack.



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



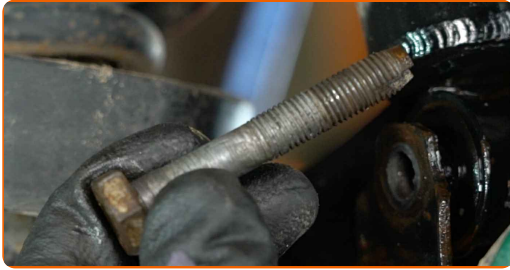
**15** Unscrew the lower fastener of the shock absorber. Use a drive socket #17.



**16** Unscrew the upper fastener of the shock absorber.



**17** Remove the fastening bolt.



**18** Remove the shock absorber upper mount.

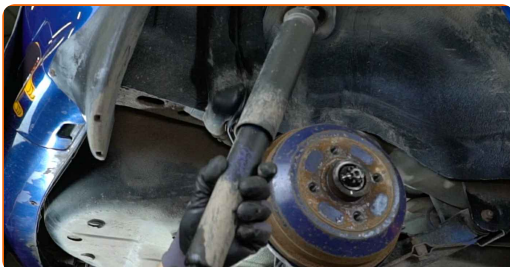
**19** Remove the support from under the rear axle beam.



**AUTODOC recommends:**

- Replacement: shock absorbers – VAUXHALL Nova Saloon (S83). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

**20** Remove the shock absorber.





21

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

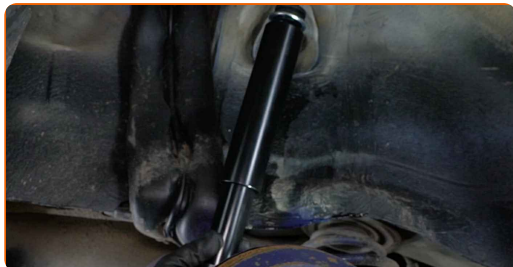


Replacement: shock absorbers – VAUXHALL Nova Saloon (S83). Tip from AUTODOC experts:

- Before installing a new shock absorber you should pump it manually 3-5 times.
- Make sure to follow the assembly steps in the right order.

22

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



AUTODOC recommends:

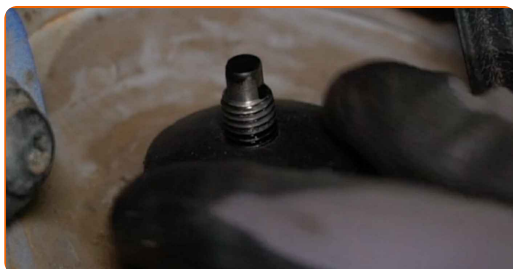
- VAUXHALL Nova Saloon (S83) – To avoid injury, hold the shock absorber while screwing in the fastening bolts.

**23** Screw in the lower fastener of the shock absorber. Use a drive socket #17.



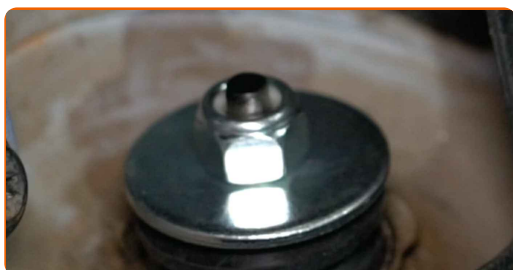
**24** Support the rear suspension beam. Use a hydraulic transmission jack.

**25** Install the shock absorber upper mount.

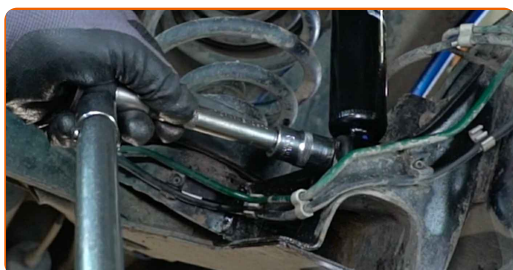


**26** Install the fastening bolt.

**27** Screw the upper fastener of the shock absorber.

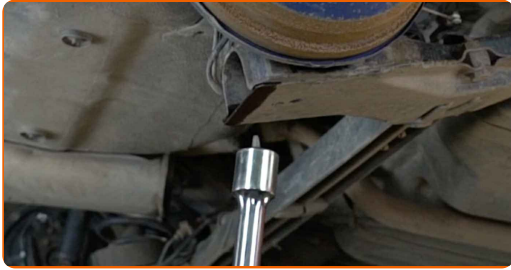


**28** Tighten the lower fastener of the shock absorber. Use a drive socket #17. Use a torque wrench. Tighten it to 65 Nm torque.



**29**

Remove the support from under the rear axle beam.

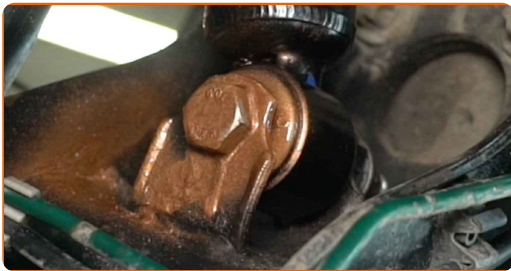


**AUTODOC recommends:**

- Replacement: shock absorbers – VAUXHALL Nova Saloon (S83). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

**30**

Treat the shock absorber fasteners. Use copper grease.



**31**

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



**32**

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



**33** Install the wheel.



**AUTODOC recommends:**

- Important! Hold the wheel while screwing in the fastening bolts. VAUXHALL Nova Saloon (S83)

**34** Screw in the wheel bolts. Use wheel impact socket #17.



**35** Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 110 Nm torque.



**36** Remove the jacks and chocks.



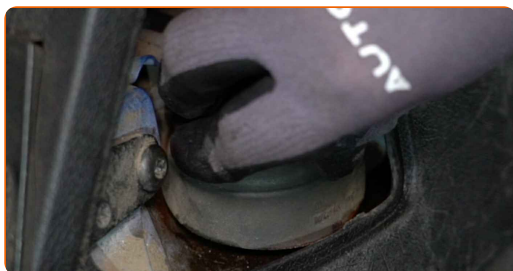
**37** Tighten the top shock absorber fastening. Use a combination spanner #14. Use a shock absorber socket DDN#5,2. Use a torque wrench. Tighten it to 20 Nm torque.



**38** Treat the shock absorber fasteners. Use copper grease.



**39** Install the protective cap of the shock absorber mount.



**40** Install the cover of the boot side lining.



41

Return the seat to its original position.



42

Remove the fender protection cover.

43

Close the lid of the luggage compartment.

**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**

**SHOCK ABSORBERS: A WIDE SELECTION**

## **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.