



How to change rear
shock absorbers on
VOLVO S40 II (MS, 544) –
replacement guide

SIMILAR VIDEO TUTORIAL



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

i Important!

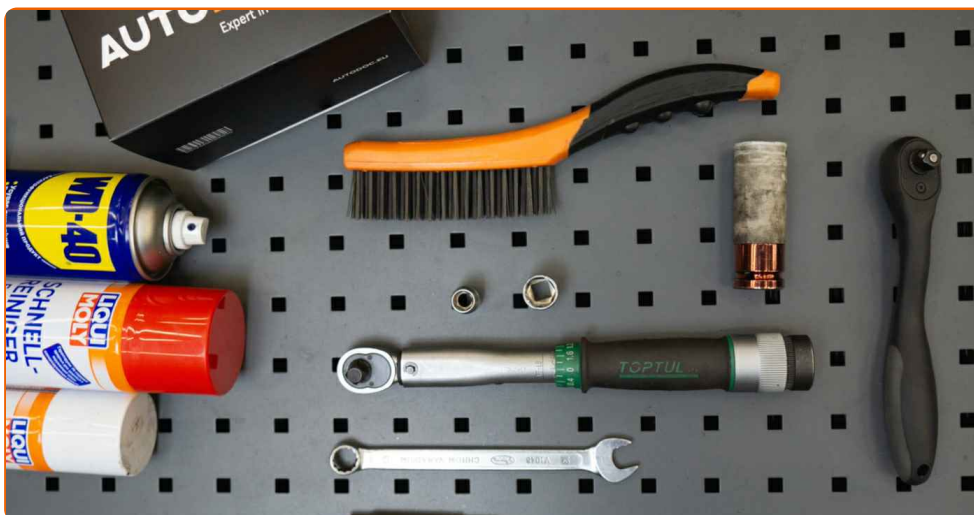
This replacement procedure can be used for:

VOLVO S40 II (MS, 544) 2.0 D3, VOLVO S40 II (MS, 544) 2.0 D4, VOLVO S40 II (MS, 544) 1.6 D2, VOLVO S40 II (MS, 544) 2.0 F, VOLVO S40 II (MS, 544) 2.4, VOLVO S40 II (MS, 544) 2.5 T5, VOLVO S40 II (MS, 544) 2.0 D, VOLVO S40 II (MS, 544) 1.8, VOLVO S40 II (MS, 544) 1.6, VOLVO S40 II (MS, 544) 1.6 D, VOLVO S40 II (MS, 544) 2.0, VOLVO S40 II (MS, 544) 2.4 D5, VOLVO S40 II (MS, 544) 1.8 FlexFuel, VOLVO S40 II (MS, 544) 2.0 CDI, VOLVO S40 II (MS, 544) 2.4 CDI

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: VOLVO V50 (MW, 545) 1.6 D

REPLACEMENT: SHOCK ABSORBERS – VOLVO S40 II
(MS, 544). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #13
- Impact socket №10
- Impact socket №15
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Tap wrench
- Shock absorber socket №DD4
- Vice
- Hydraulic transmission jack
- Wheel chock

Buy tools

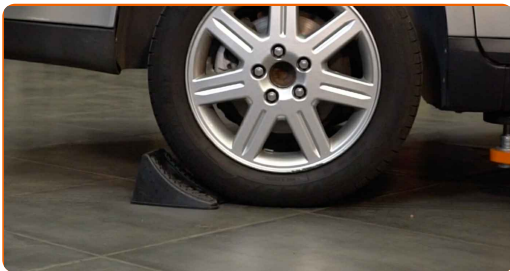
Replacement: shock absorbers – VOLVO S40 II (MS, 544). Tip from AUTODOC experts:

- 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.

REPLACEMENT: SHOCK ABSORBERS – VOLVO S40 II (MS, 544). USE THE FOLLOWING PROCEDURE:

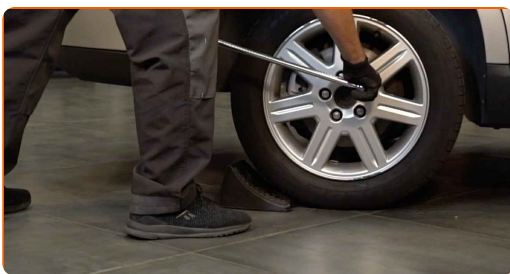
1

Secure the wheels with chocks.



2

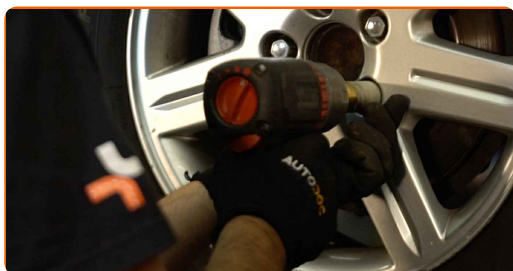
Loosen the wheel mounting bolts. Use wheel impact socket #19.



3

Raise the rear of the car and secure on supports.

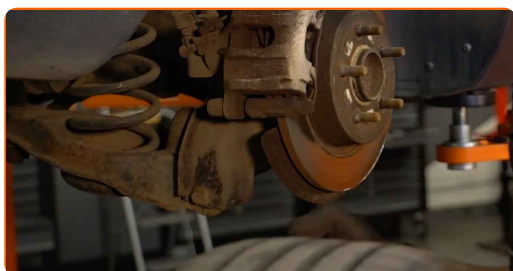
4 Unscrew the wheel bolts.



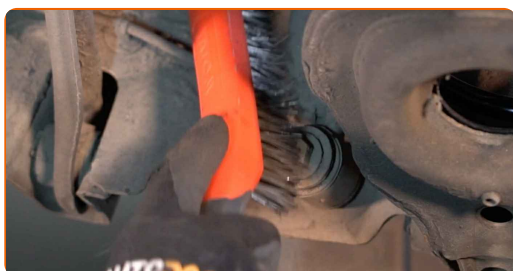
AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. VOLVO S40 II (MS, 544)

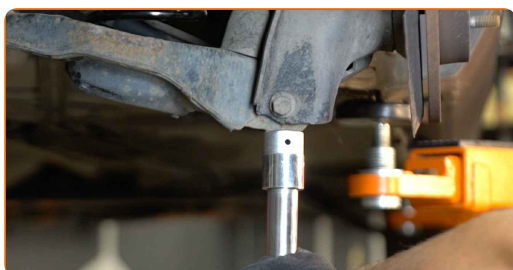
5 Remove the wheel.



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

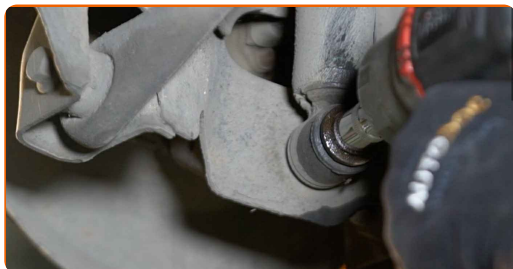


7 Support the arm. Use a hydraulic transmission jack.



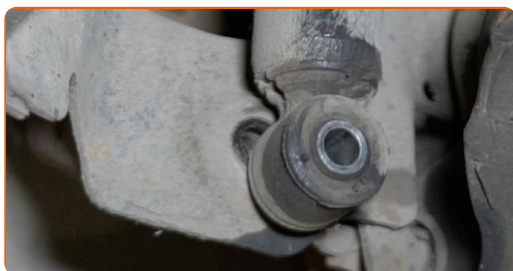
8

Unscrew the lower fastener of the shock absorber. Use a drive socket #15. Use a tap wrench.



9

Remove the fastening bolt.



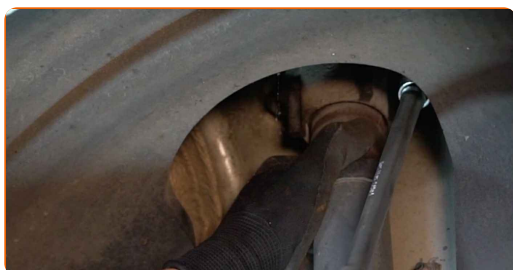
10

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



11

Unscrew the upper fastener of the shock absorber. Use a drive socket #10. Use a ratchet wrench.



Replacement: shock absorbers – VOLVO S40 II (MS, 544). AUTODOC recommends:

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

12

Remove the shock absorber.



13

Grip the shock absorber in a vice.



14

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



15

Remove the shock absorber piston rod fastening. Use a combination spanner #13. Use a shock absorber socket DDN#4. Use a ratchet wrench.



16

Remove the shock absorber mount, boot and bump stop.



Replacement: shock absorbers – VOLVO S40 II (MS, 544). Tip:

- Examine the shock absorber dust cap and the bump stop. Replace them if necessary.
- Before installing a new shock absorber you should pump it manually 3-5 times.

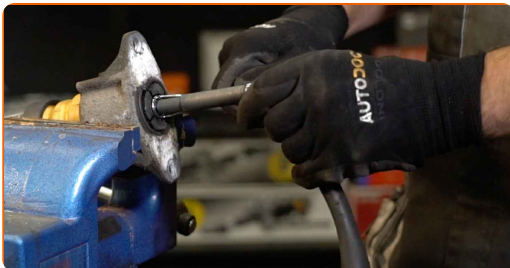
17

Install the mount, boot and bump stop onto a new shock absorber.

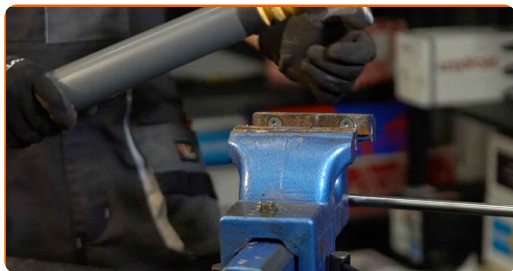


18

Screw the shock strut piston rod upper fastening. Use a combination spanner #13. Use a shock absorber socket DDN^o4. Use a torque wrench. Tighten it to 25 Nm torque.



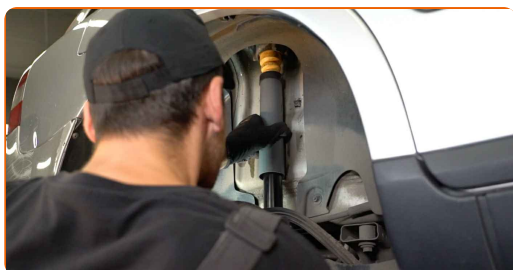
19 Release the vice and take out the shock absorber.



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



21 Place the shock absorber in the wheel arch and secure it.



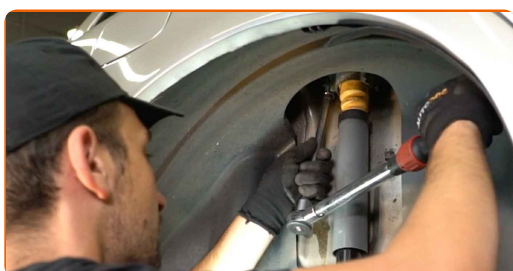
AUTODOC recommends:

- Important! Hold the shock absorber while screwing in the fastening bolts. VOLVO S40 II (MS, 544)

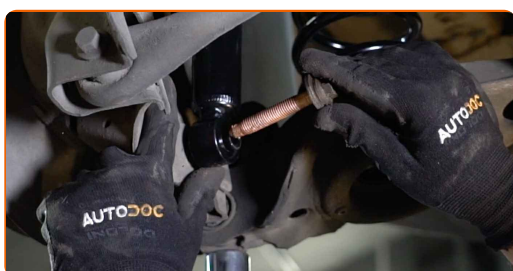
22 Screw the upper fastener of the shock absorber. Use a drive socket #10.



- 23** Tighten the top shock absorber fastening. Use a drive socket #10. Use a torque wrench. Tighten it to 24 Nm torque.



- 24** Install the fastening bolt.



- 25** Screw in the lower fastener of the shock absorber. Use a drive socket #15.



- 26** Raise the hydraulic transmission jack by 10-15 cm.

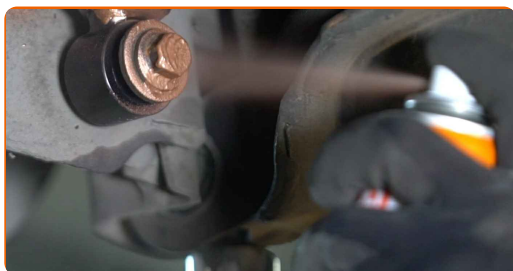


- 27** Tighten the lower fastener of the shock absorber. Use a drive socket #15. Use a torque wrench. Tighten it to 115 Nm torque.



28

Remove the support from under the arm.

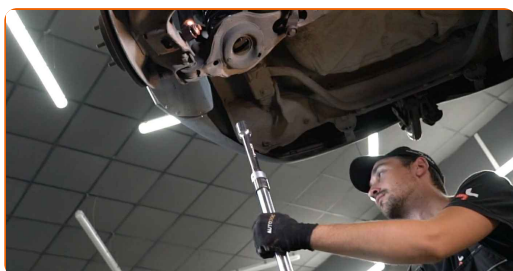


Replacement: shock absorbers – VOLVO S40 II (MS, 544). Tip from AUTODOC experts:

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

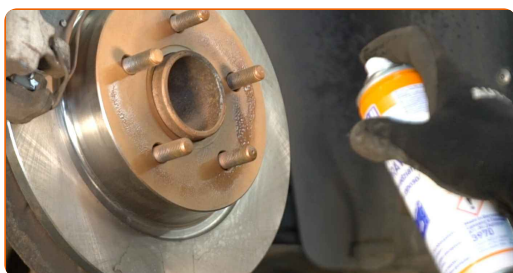
29

Treat the shock absorber fasteners. Use copper grease.



30

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



31

Clean the brake disk surface. Use a brake cleaner.

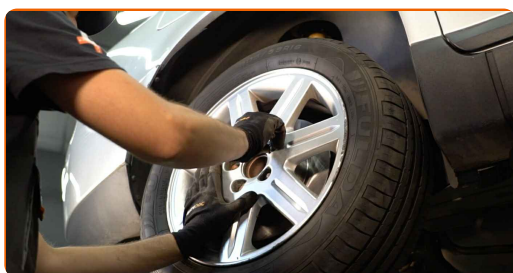


Replacement: shock absorbers – VOLVO S40 II (MS, 544). Tip from AUTODOC:

- After applying the spray, wait a few minutes.

32

Install the wheel.

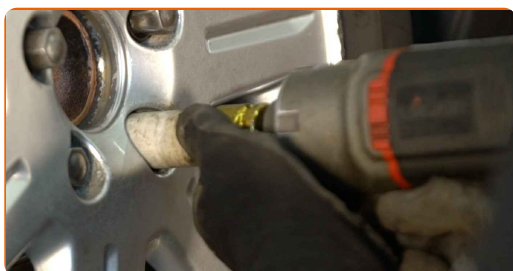


AUTODOC recommends:

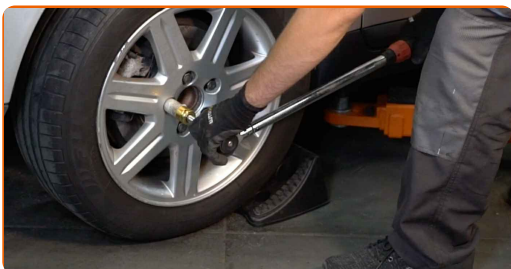
- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. VOLVO S40 II (MS, 544)

33

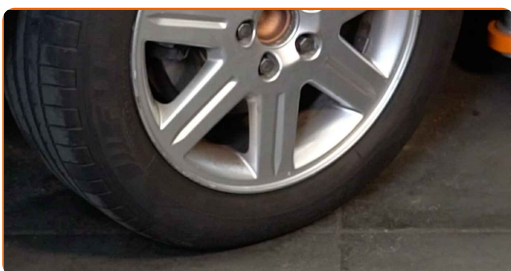
Screw in the wheel bolts. Use wheel impact socket #19.



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



- 35** Remove the jacks and chocks.



WELL DONE! 

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SHOCK ABSORBERS: A WIDE SELECTION

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