



How to change rear  
shock absorbers on  
**TOYOTA PRIUS (ZVW3\_)**  
– 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:  
TOYOTA PRIUS (ZVW3\_) 1.8 Hybrid (ZVW3\_)

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: TOYOTA AURIS (NRE15\_, ZZE15\_, ADE15\_, ZRE15\_, NDE15\_) 1.8 Hybrid (ZWE150\_)

REPLACEMENT: SHOCK ABSORBERS – TOYOTA PRIUS  
(ZVW3\_). TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #17
- Drive socket # 10
- Drive socket # 17
- HEX bit no.H6.
- Wheel impact socket #21
- Ratchet wrench
- Torque wrench
- Clip removal tool
- Hydraulic transmission jack
- Wheel chock

**Buy tools**

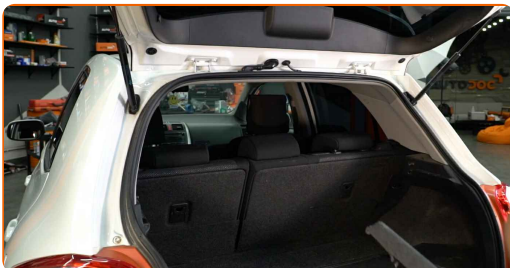
Replacement: shock absorbers – TOYOTA PRIUS (ZVW3\_). AUTODOC experts recommend:

- 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.

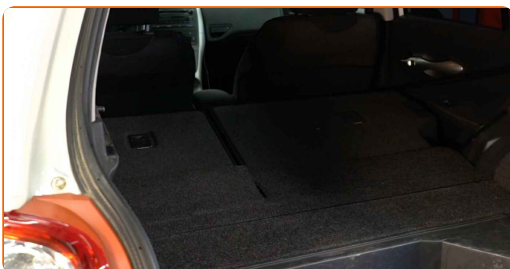
## REPLACEMENT: SHOCK ABSORBERS – TOYOTA PRIUS (ZVW3\_). RECOMMENDED SEQUENCE OF STEPS:

**1** Open the boot lid.

**2** Move the folding shelf and detach it from the retainers. By doing this, you will get access to the side trim plastic panels.



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



**4** Raise the lower lining of the boot.



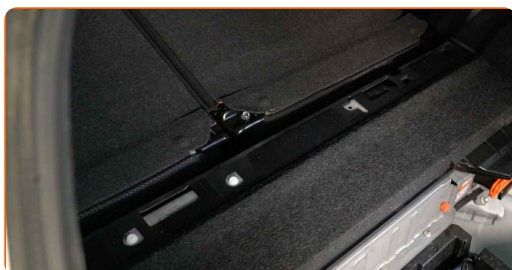
**5** Remove the side plastic cover.



**6** Remove the clips of the boot front lower lining.



**7** Remove the boot front lower lining. Use a clip removal tool.



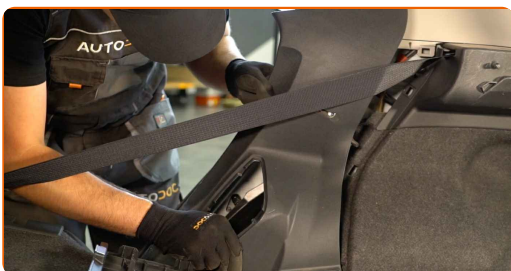
**8** Unscrew the fastener of the central protective plastic panel. Use a drive socket #10. Use a ratchet wrench.



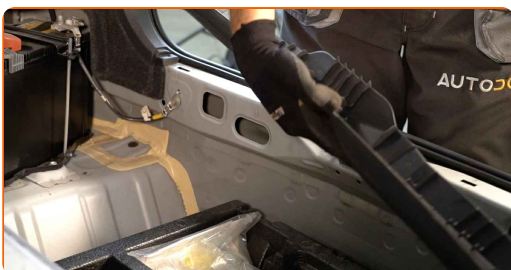
**9** Lift up the central plastic cover (the battery cover).



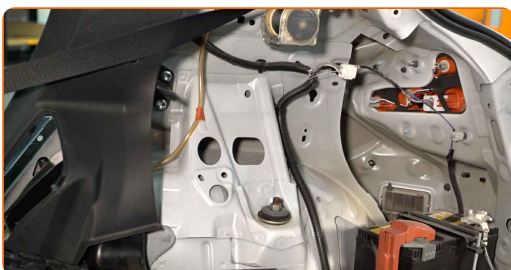
**10** Remove the seat belt trim cover.



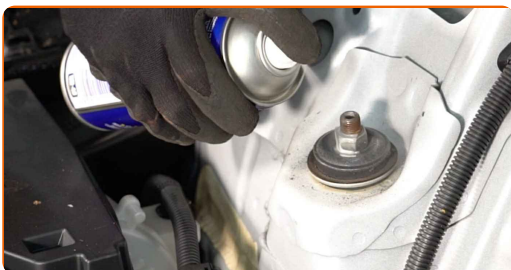
**11** Remove the plastic door sill plate.



**12** Unscrew the fastener and remove the boot side sound insulation.

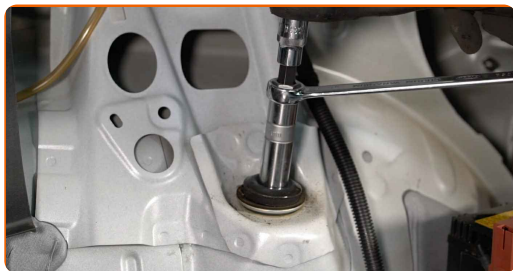


**13** Clean the fasteners of the shock absorber upper mount. Use a wire brush. Use WD-40 spray.





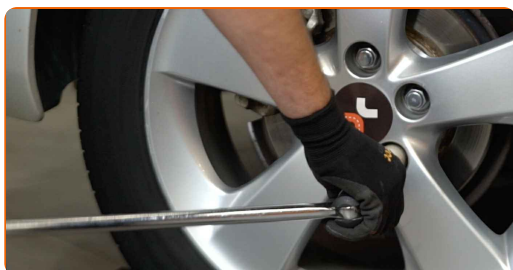
**14** Loosen the upper fastener of the shock absorber. Use HEX No.H6. Use a drive socket #17. Use a ratchet wrench.



**15** Secure the wheels with chocks.

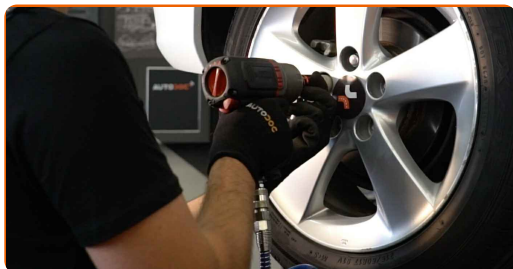


**16** Loosen the wheel mounting bolts. Use wheel impact socket #21.



**17** Raise the rear of the car and secure on supports.

**18** Unscrew the wheel bolts.

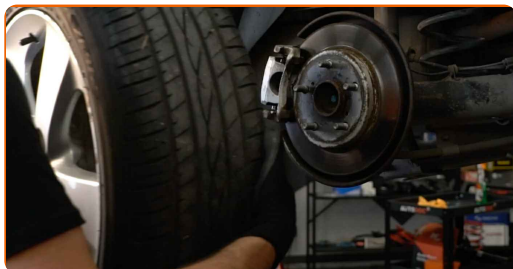


Replacement: shock absorbers – TOYOTA PRIUS (ZVW3\_). Tip:

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

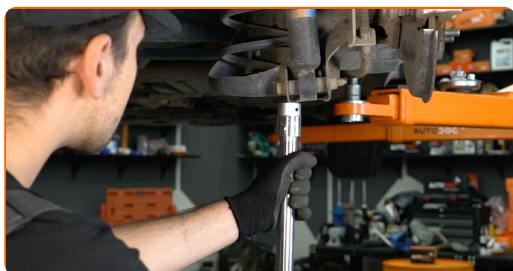
19

Remove the wheel.



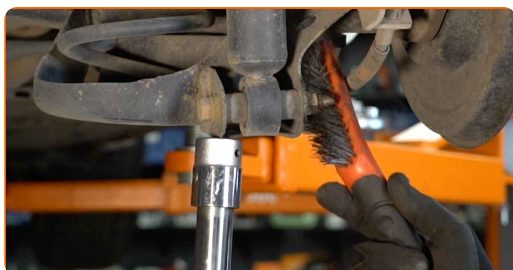
20

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



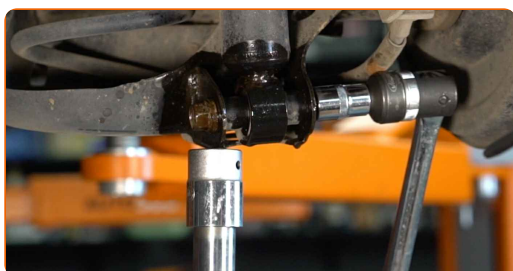
21

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



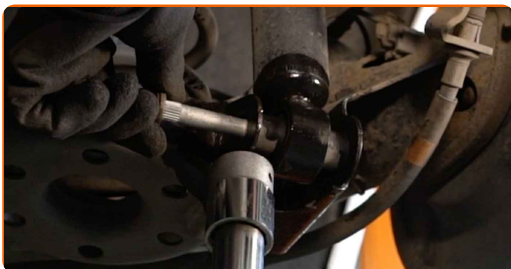
22

Unscrew the lower fastener of the shock absorber. Use a combination spanner #17. Use a drive socket #17. Use a ratchet wrench.

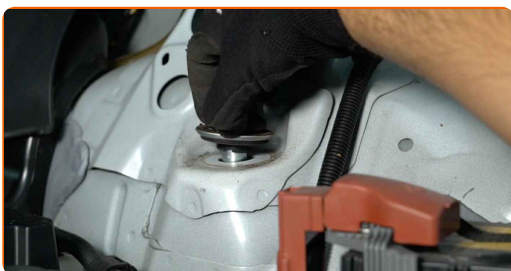




**23** Remove the fastening bolt.



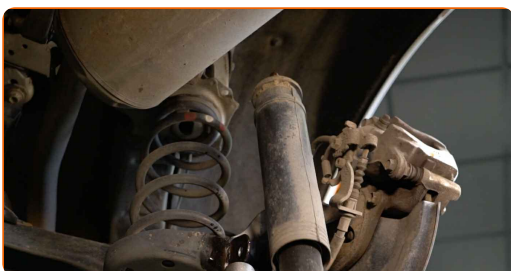
**24** Unscrew the upper fastener of the shock absorber.



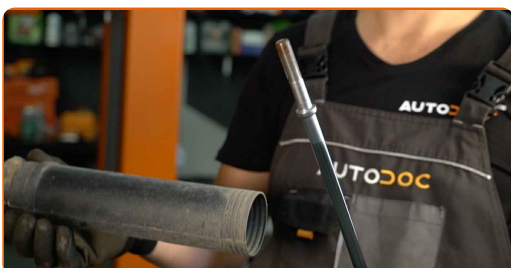
Replacement: shock absorbers – TOYOTA PRIUS (ZVW3\_). AUTODOC recommends:

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

**25** Remove the shock absorber.



**26** Remove the shock absorber dust cap and the bump stop.

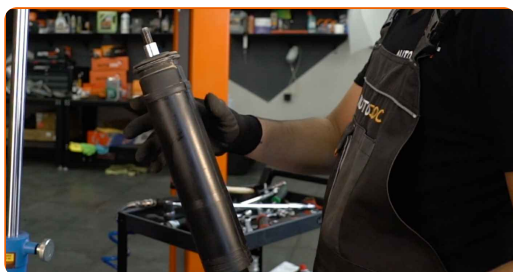


Replacement: shock absorbers – TOYOTA PRIUS (ZVW3\_). Tip from AUTODOC:

- 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.

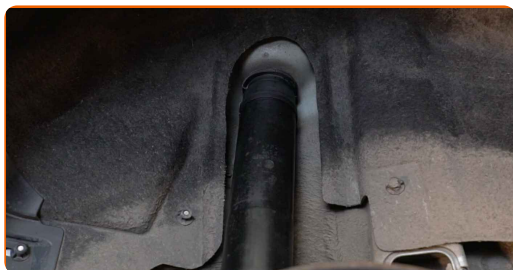
27

Install the dust sleeve and the bump stop on the new shock absorber.



28

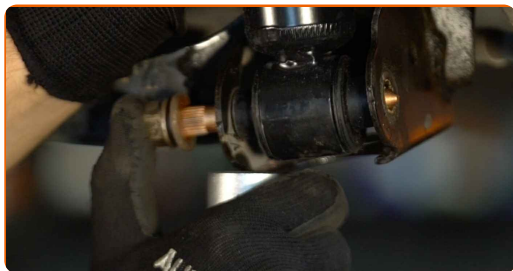
Place the shock absorber in the wheel arch and secure it.



AUTODOC recommends:

- Important! Hold the shock absorber while screwing in the fastening bolts.  
TOYOTA PRIUS (ZVW3\_)

**29** Install the fastening bolt.



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



**31** Tighten the lower fastener of the shock absorber. Use a combination spanner #17. Use a drive socket #17. Use a torque wrench. Tighten it to 75 Nm torque.



**32** Remove the mounting from under the rear axle beam.



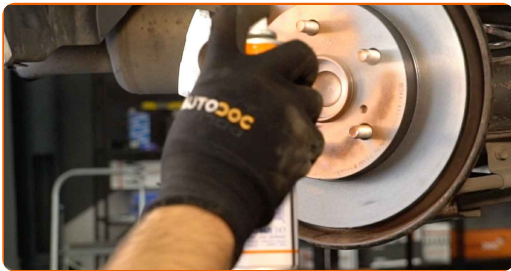
**AUTODOC recommends:**

- Replacement: shock absorbers – TOYOTA PRIUS (ZVW3\_). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

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



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



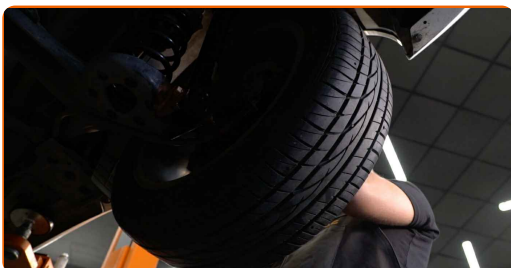
**35** Clean the brake disk surface. Use a brake cleaner.



Replacement: shock absorbers – TOYOTA PRIUS (ZVW3\_). Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

**36** Install the wheel.



**AUTODOC recommends:**

- Important! Hold the wheel while screwing in the fastening bolts. TOYOTA PRIUS (ZVW3\_)

**37**

Screw in the wheel bolts. Use wheel impact socket #21.



**38**

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #21. Use a torque wrench. Tighten it to 103 nm torque.



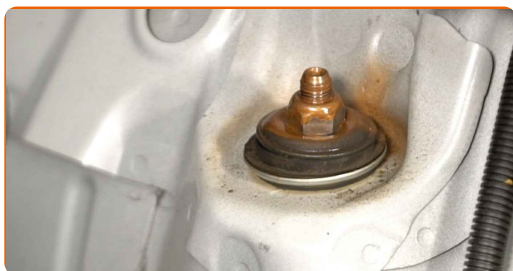
**39**

Tighten the top shock absorber fastening. Use HEX No.H6. Use a drive socket #17. Use a torque wrench. Tighten it to 25 Nm torque.





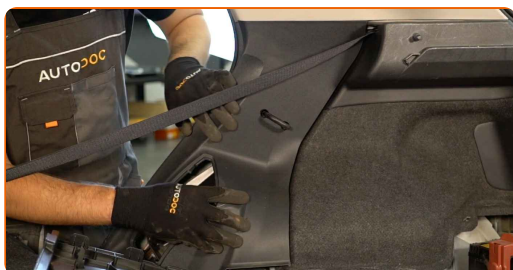
**40** Treat the shock absorber fasteners. Use copper grease.



**41** Install the boot side sound insulation and screw in its fasteners.



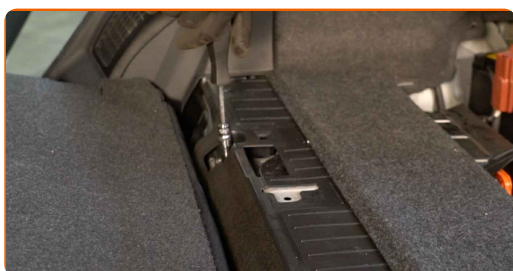
**42** Install the seat belt trim cover.



**43** Install the central protective plastic panel.



**44** Screw in the fastener of the central protective plastic panel. Use a drive socket #10. Use a ratchet wrench.





**45** Install the plastic door sill plate.



**46** Install the boot front lower lining.



**47** Install the clips of the boot front lower lining.



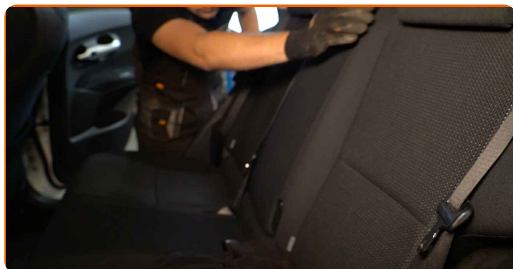
**48** Install the side plastic panel.



**49** Put down the lower lining of the boot.



**50** Return the seat to its original position.

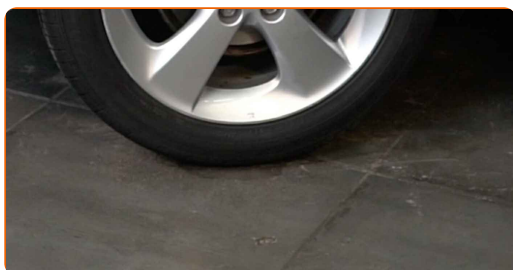


**51** Install the folding shelf to its mounting seat.



**52** Close the lid of the luggage compartment.

**53** 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**

**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.