



How to change rear  
shock absorbers on  
**TOYOTA RAV 4 I (SXA1\_)**  
– 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 RAV 4 I (SXA1\_) 2.0 4WD (SXA10), TOYOTA RAV 4 I (SXA1\_) 2.0 (SXA1\_), TOYOTA RAV 4 I (SXA1\_) 2.0 4WD, TOYOTA RAV 4 I (SXA1\_) 2.0, TOYOTA RAV 4 I (SXA1\_) 2.0 AWD, TOYOTA RAV 4 I (SXA1\_) 2.0 4WD (SXA10\_)

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 RAV 4 II (CLA2\_, XA2\_, ZCA2\_, ACA2\_) 2.0 4WD (ACA21, ACA20)

**REPLACEMENT: SHOCK ABSORBERS – TOYOTA RAV 4 I (SXA1\_). LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Ceramic grease
- Copper grease
- Torque wrench
- Combination spanner #6
- Combination spanner #14
- Combination spanner #17
- Drive socket # 14
- Wheel impact socket #19
- Ratchet wrench
- Crow bar
- Plastic trim tool
- Hydraulic transmission jack
- Wheel chock

**Buy tools**

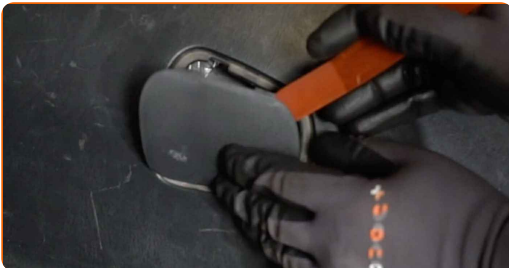
Replacement: shock absorbers – TOYOTA RAV 4 I (SXA1\_). AUTODOC experts recommend:

- 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.
- Please note: all work on the car – TOYOTA RAV 4 I (SXA1\_) – should be done with the engine switched off.

## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

**1** Open the boot lid.

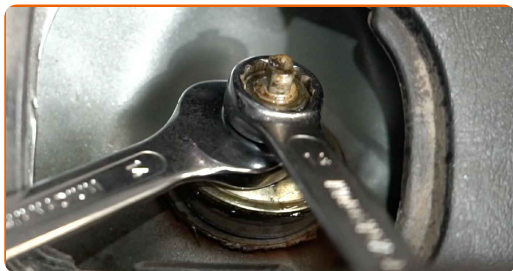
**2** Remove the cover of the boot side lining. Use a plastic trim tool.



**3** Clean the upper fastener of the shock absorber. Use a wire brush. Use WD-40 spray.

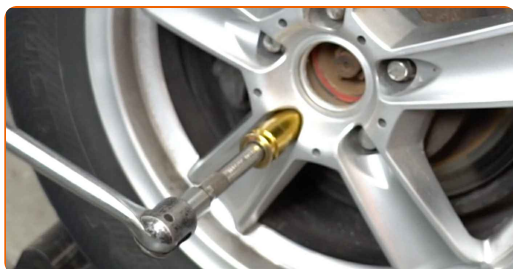


**4** Loosen the upper fastener of the shock absorber. Use a combination spanner #14 (2 pieces).



**5** Secure the wheels with chocks.

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



**7** Raise the car.

Replacement: shock absorbers – TOYOTA RAV 4 I (SXA1\_). Professionals 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.

**8** Unscrew the wheel bolts.

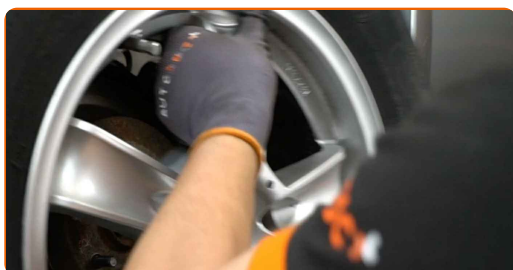


**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
TOYOTA RAV 4 I (SXA1\_)

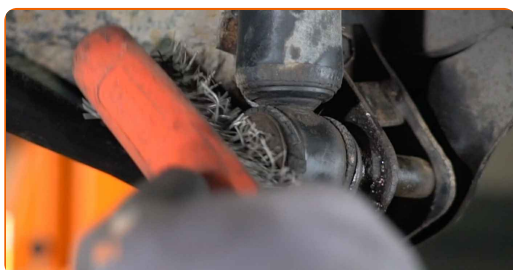
**9**

Remove the wheel.



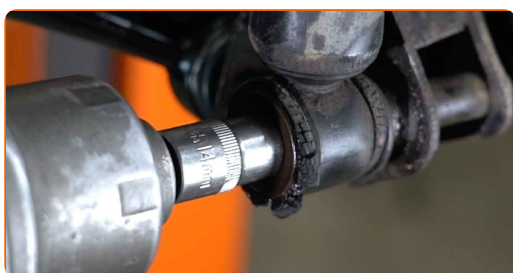
**10**

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



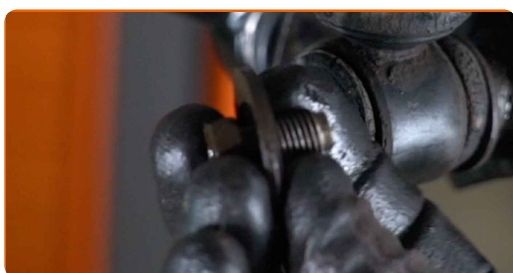
**11**

Unscrew the lower fastener of the shock absorber. Use a drive socket #14. Use a ratchet wrench.



**12**

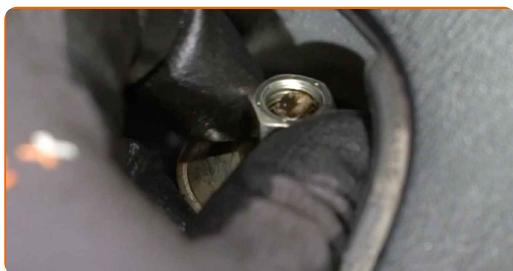
Remove the fastening bolt.



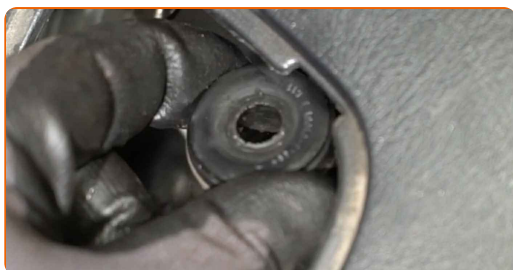
**13** Support the rear knuckle. Use a hydraulic transmission jack.



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



**15** Remove the elements of the shock absorber upper mount.

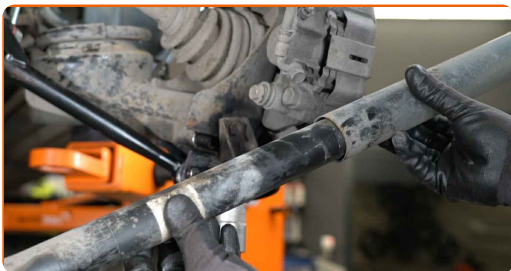


**16** Remove the support from under the rear knuckle.

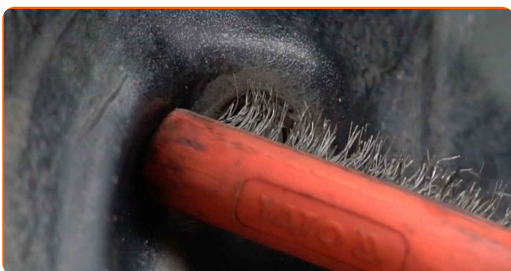
**AUTODOC recommends:**

- Replacement: shock absorbers – TOYOTA RAV 4 I (SXA1\_). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

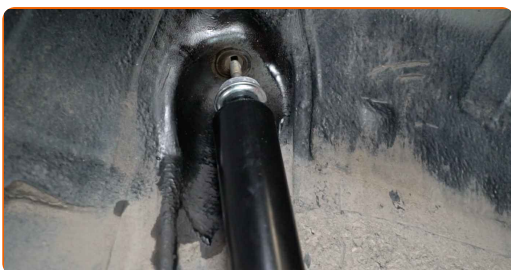
**17** Remove the shock absorber. Use a crowbar.



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



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



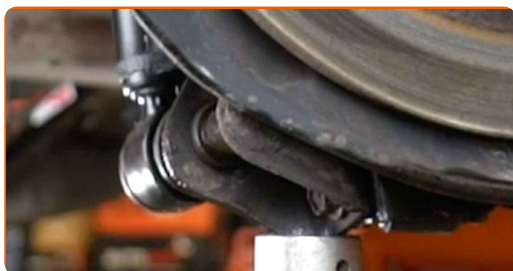
**AUTODOC recommends:**

- Before installing a new shock absorber you should pump it manually 3-5 times.

**20** Install the fastening bolt.



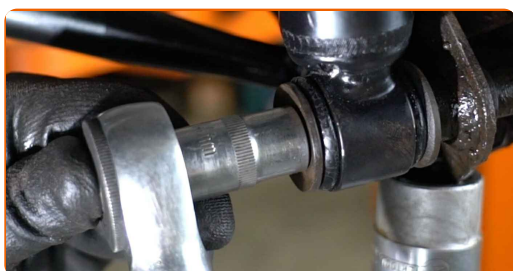
**21** Support the rear knuckle. Use a hydraulic transmission jack.



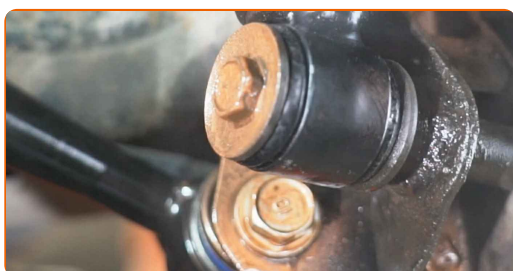
**Replacement: shock absorbers – TOYOTA RAV 4 I (SXA1\_). Tip:**

- For tightening the fasteners correctly, you have to jack up the suspension components to their working position.

**22** Tighten the lower fastener of the shock absorber. Use a drive socket #14. Use a torque wrench. Tighten it to 37 Nm torque.



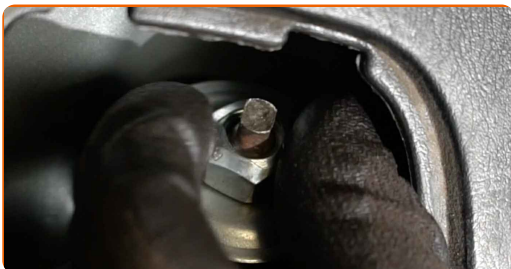
**23** Treat the lower fastener of the shock absorber. Use copper grease.



**24** Install the elements of the shock absorber upper mount.



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

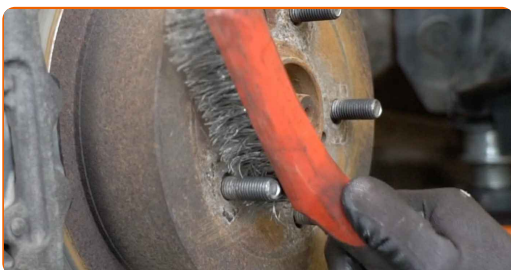


**26** Remove the support from under the rear knuckle.

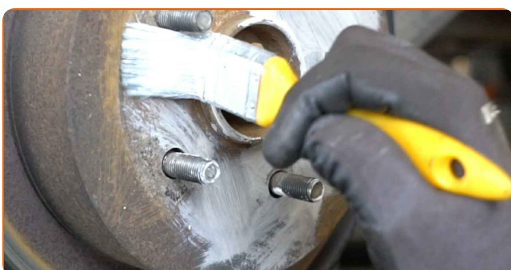
**AUTODOC recommends:**

- TOYOTA RAV 4 I (SXA1\_) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

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



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



29

Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- After applying the spray, wait a few minutes.

30

Install the wheel.

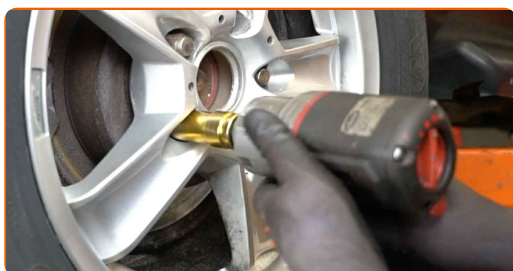


**AUTODOC recommends:**

- Important! Hold the wheel while screwing in the fastening bolts. TOYOTA RAV 4 I (SXA1\_)

31

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



- 32** Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 103 Nm torque.



- 33** Remove the jacks and chocks.



- 34** Tighten the top shock absorber fastening. Use a combination spanner #17. Use a combination spanner #6. Use a torque wrench. Tighten it to 15 Nm torque.



- 35** Treat the upper fastener of the shock absorber. Use copper grease.



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



**37** 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 2022 – 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 GmbH.