



How to change rear
shock absorbers on
Toyota RAV4 II –
replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

TOYOTA RAV 4 I (SXA1_) 2.0 4WD (SXA10), TOYOTA RAV 4 (SXA1_) 2.0 4WD (SXA11), TOYOTA RAV 4 II (CLA2_, XA2_, ZCA2_, ACA2_) 1.8 (ZCA25_, ZCA26_), TOYOTA RAV 4 II (CLA2_, XA2_, ZCA2_, ACA2_) 2.0 D 4WD (CLA20_, CLA21_), TOYOTA RAV 4 II (CLA2_, XA2_, ZCA2_, ACA2_) 2.4 4WD, TOYOTA RAV 4 I (SXA1_) 2.0 (SXA1_), TOYOTA RAV 4 I (SXA1_) 2.0 4WD, TOYOTA RAV 4 II (CLA2_, XA2_, ZCA2_, ACA2_) 2.4 4WD (ACA23, ACA22), TOYOTA RAV 4 I (SXA1_) 2.0, TOYOTA RAV 4 I (SXA1_) 2.0 AWD, TOYOTA RAV 4 II (CLA2_, XA2_, ZCA2_, ACA2_) 2.0, TOYOTA RAV 4 I (SXA1_) 2.0 4WD (SXA10_)

The steps may slightly vary depending on the car design.

REPLACEMENT: SHOCK ABSORBERS – TOYOTA RAV4

II. 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 RAV4 II. 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 RAV4 II – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

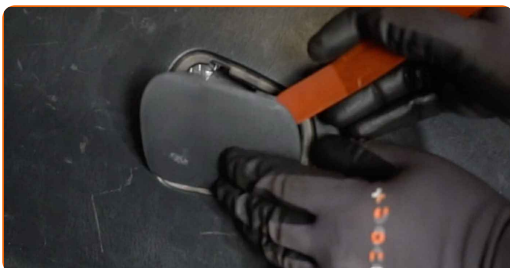
1

Open the boot lid.



2

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



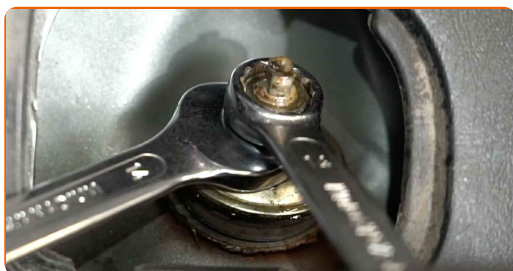
3

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).

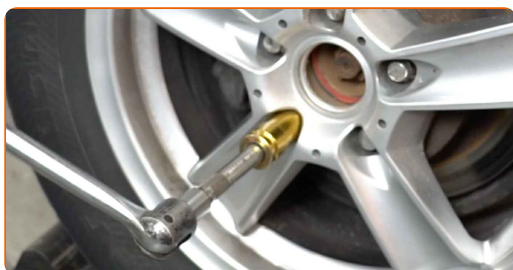


5

Secure the wheels with chocks.

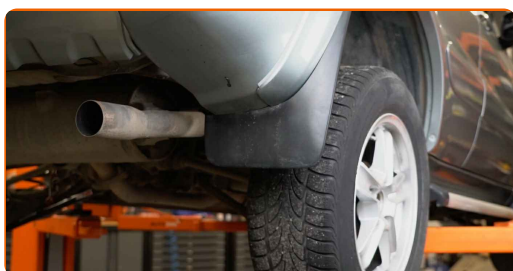
6

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



7

Raise the car.



Replacement: shock absorbers – Toyota RAV4 II. 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.

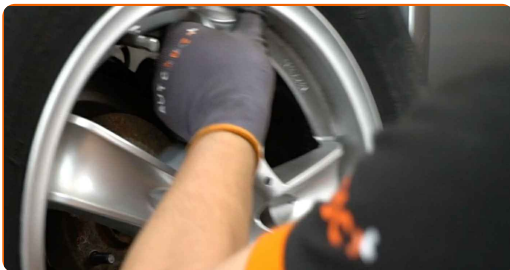


AUTODOC recommends:

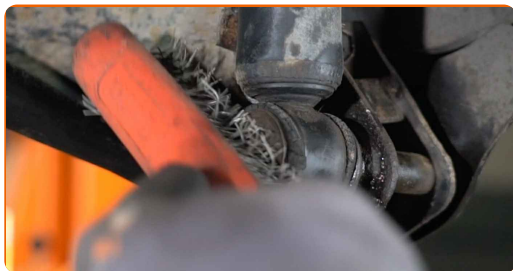
- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
Toyota RAV4 II

9

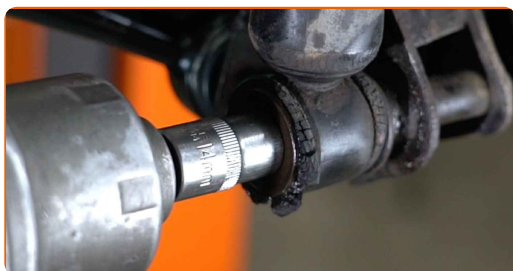
Remove the wheel.



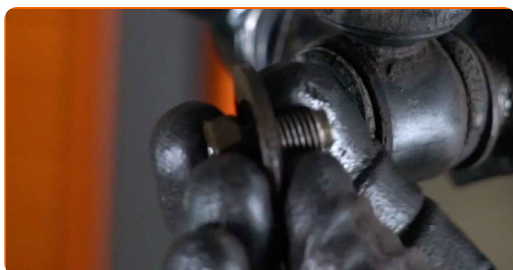
- 10** Clean the lower shock absorber fastener. Use a wire brush. Use WD-40 spray.



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



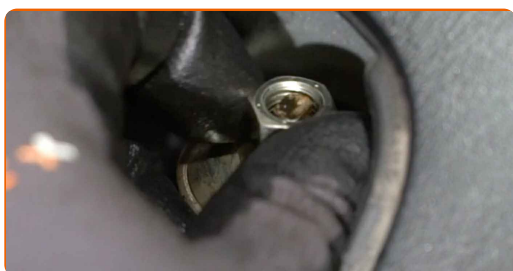
- 12** Remove the fastening bolt.



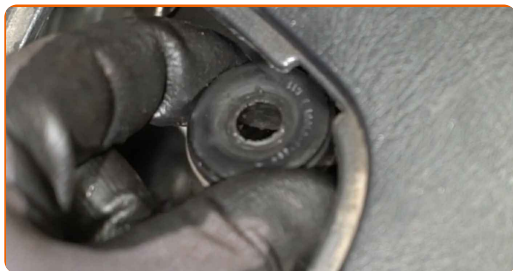
- 13** Support the rear knuckle. Use a hydraulic transmission jack.



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



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

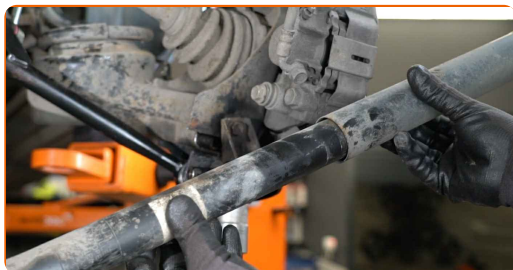


- 16 Remove the support from under the rear knuckle.

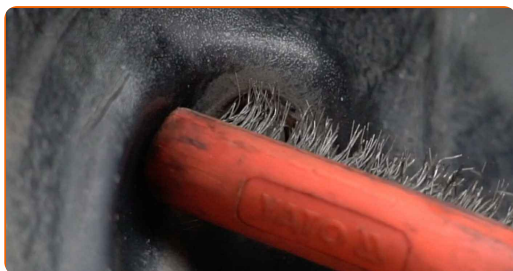
AUTODOC recommends:

- Replacement: shock absorbers – Toyota RAV4 II. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

- 17 Remove the shock absorber. Use a crowbar.

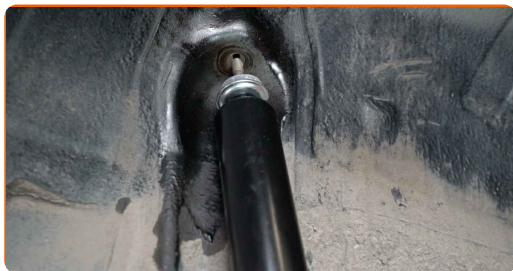


- 18 Clean the shock absorber mounting seats. Use a wire brush. Use WD-40 spray.



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.



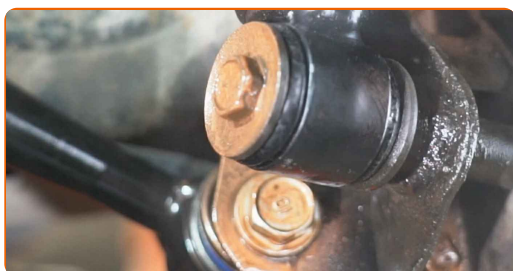
Replacement: shock absorbers – Toyota RAV4 II. Tip:

- 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.



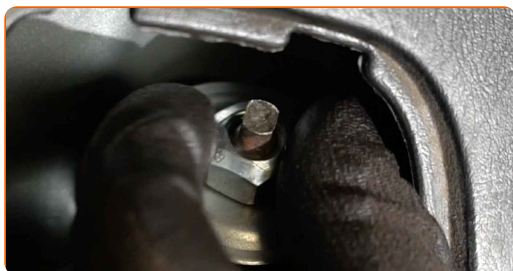
- 23** Treat the lower fastener of the shock absorber. Use copper grease.



- 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 RAV4 II – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

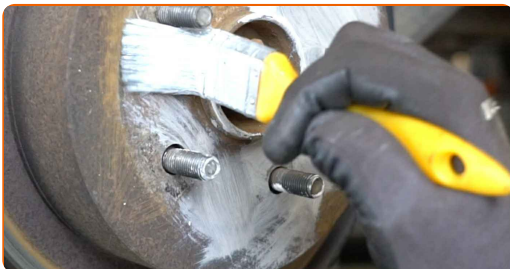
27

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



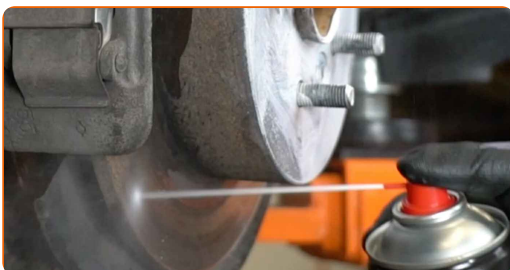
28

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.

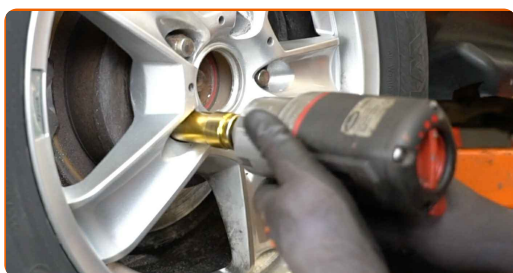


AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Toyota RAV4 II

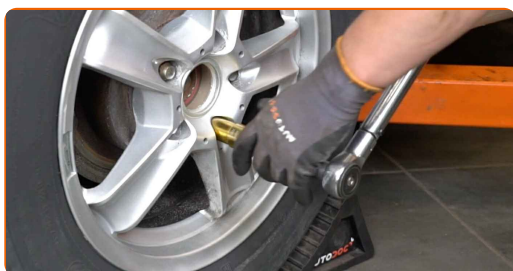
31

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.

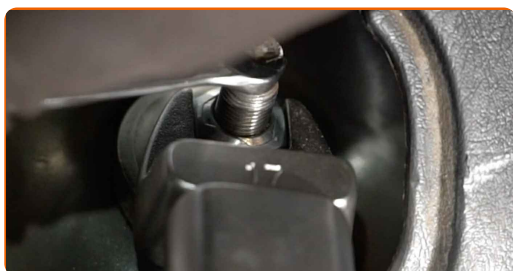


33

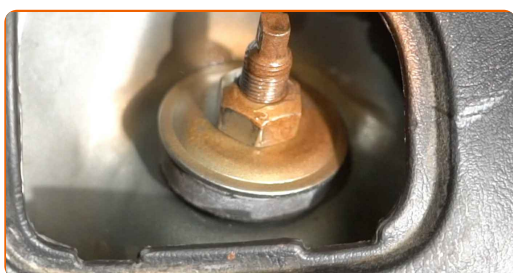
Remove the jacks and chocks.



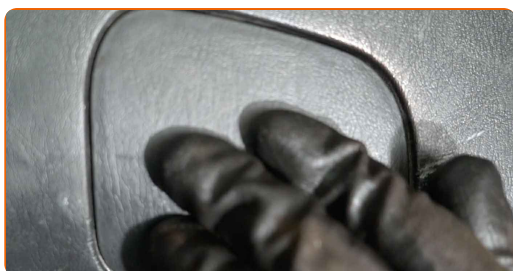
- 34** Tighten the top shock absorber fastening. Use a combination spanner #17. Use a combination spanner #6. Use a torque wrench. Tighten it to 15 Nm torque.



- 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! 

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