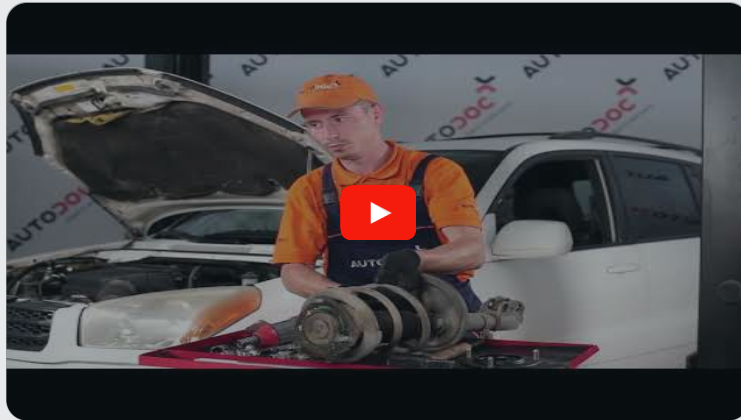




How to change front
strut mount on **Toyota**
RAV4 II – replacement
guide

VIDEO TUTORIAL



i 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 4WD, TOYOTA RAV 4 I (SXA1_) Electric EV, TOYOTA RAV 4 I (SXA1_) 2.0 (SXA1_), TOYOTA RAV 4 II (CLA2_, XA2_, ZCA2_, ACA2_) 2.4 4WD (ACA23, ACA22), TOYOTA RAV 4 II (CLA2_, XA2_, ZCA2_, ACA2_) 2.0, TOYOTA RAV 4 II (CLA2_, XA2_, ZCA2_, ACA2_) 2.4, TOYOTA RAV 4 I (SXA1_) 2.0, TOYOTA RAV 4 I (SXA1_) 2.0 4WD (SXA10_)

The steps may slightly vary depending on the car design.

REPLACEMENT: STRUT MOUNT – TOYOTA RAV4 II. TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #19
- Drive socket # 12
- Drive socket # 14
- Drive socket # 19
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Crow bar
- Hydraulic strut spring compressor
- Fender cover
- Wheel chock

[BUY TOOLS](#)

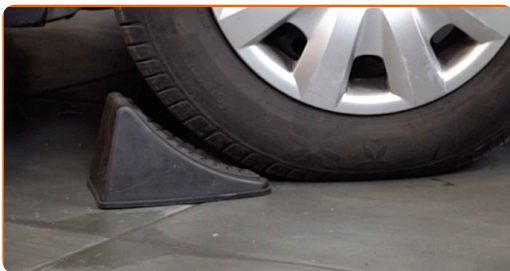
Replacement: strut mount – Toyota RAV4 II. AUTODOC recommends:

- All mounts of the front shock struts should be replaced simultaneously.
- The replacement procedure is identical for the mounts of the left and right shock struts of the front suspension.
- Be sure to replace all self-locking nuts and bolts during installation.
- 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

Secure the wheels with chocks.



2

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



3

Raise the front of the car and secure on supports.



4

Unscrew the wheel bolts.



AUTODOC recommends:

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

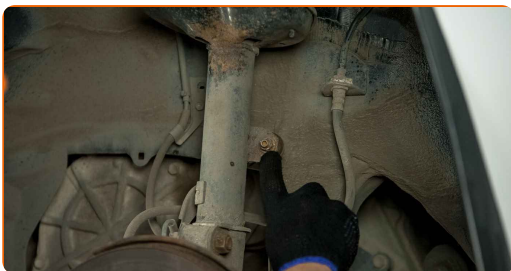
5

Remove the wheel.

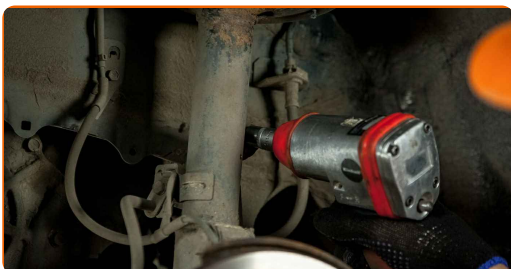


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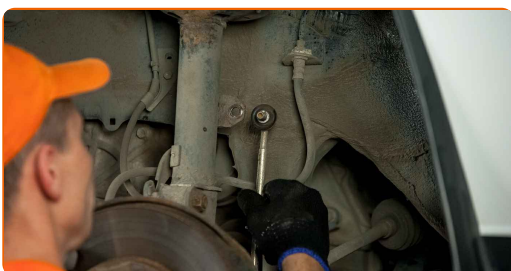
Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.



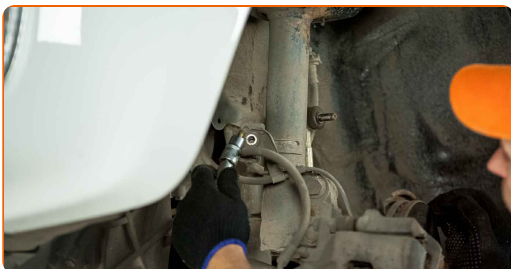
- 7 Unscrew the fastener connecting the stabilizer link to the shock strut. Use a drive socket #14. Use a ratchet wrench.



- 8 Remove the stabilizer rod.

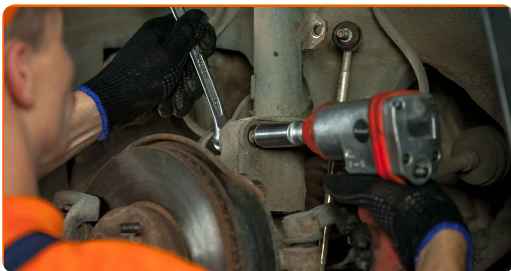


- 9 Disconnect the wiring and the brake hose from the bracket on the shock strut. Use a drive socket #12. Use a ratchet wrench.



- 10 Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.

- 11 Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #19. Use a drive socket #19. Use a ratchet wrench.



12 Remove the fastening bolts.

13 Disconnect the steering knuckle from the shock absorber strut.



14 Lower the car.



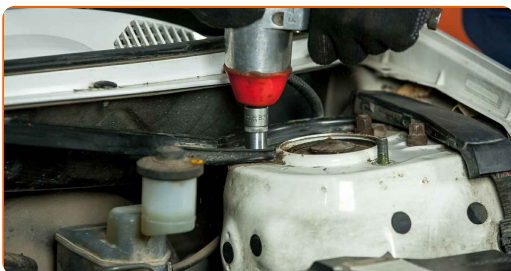
15 Open the bonnet.



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

17 Clean the fasteners of the shock strut upper mount. Use a wire brush. Use WD-40 spray.

18 Loosen the upper fastener of the shock strut mount. Use a drive socket #14. Use a ratchet wrench.



- 19 Unscrew the top fastening of the shock strut mount.

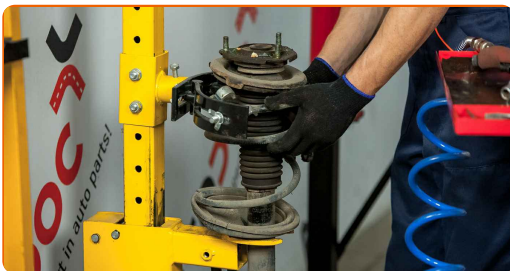
Replacement: strut mount – Toyota RAV4 II. Tip:

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

- 20 Remove the suspension strut.



- 21 Set the shock absorber strut on the spring compressor tool.

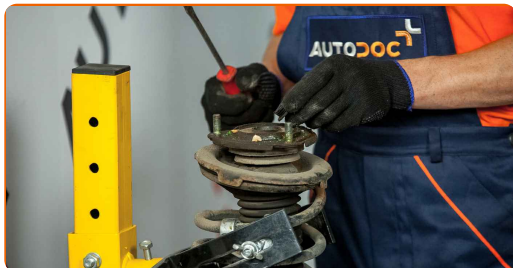


Replacement: strut mount – Toyota RAV4 II. AUTODOC experts recommend:

- Note that when using a spring compressor, spring coils need to be securely gripped, compressing the spring on the opposite sides.
- Ensure the correct position of the spring in the retainer.
- Make sure that the spring coils tightly entered the lock handles.

22 Compress the spring.

23 Remove the shock strut mount cap. Use a crowbar.

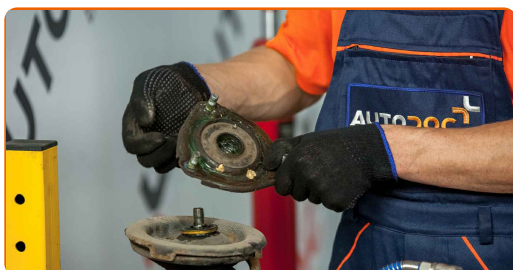


24 Treat the shock strut rod. Use a wire brush. Use WD-40 spray.

25 Remove the strut piston rod nut. Use a drive socket #19. Use a ratchet wrench.



26 Remove the top strut mount.



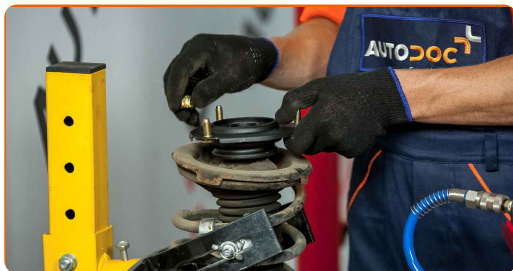
27 Treat the fasteners of the shock strut mount. Use WD-40 spray.

Replacement: strut mount – Toyota RAV4 II. Professionals recommend:

- Examine the shock absorber dust cap and the bump stop. Replace them if necessary.

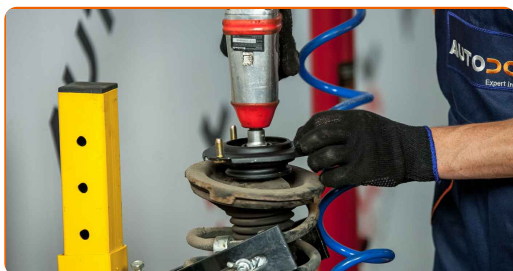
28

Install a new strut mount.



29

Tighten the shock strut piston rod nut. Use a drive socket #19. Use a torque wrench. Tighten it to 47 Nm torque.



Replacement: strut mount – Toyota RAV4 II. AUTODOC experts recommend:

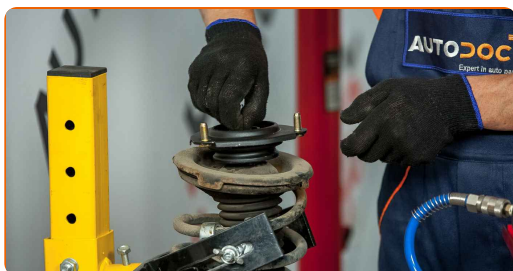
- Check to make sure the spring is positioned correctly. Avoid its misalignment.

30

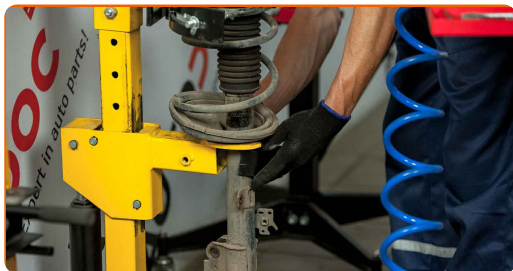
Treat the shock strut rod. Use copper grease.

31

Install the shock strut mount cap.

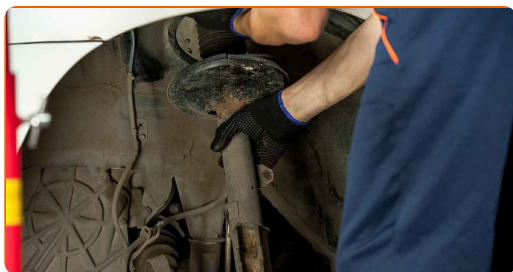


32 Decompress the spring.



33 Remove the assembled shock strut.

34 Install the shock strut into the wheel arch.



35 Screw the top fastening of the shock strut mount.

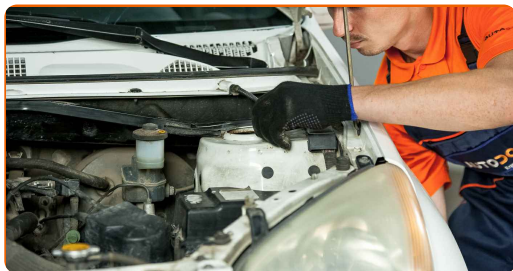
AUTODOC recommends:

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

36 Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #14. Use a torque wrench. Tighten it to 50 Nm torque.



- 37** Treat the fasteners of the shock strut mount. Use copper grease.



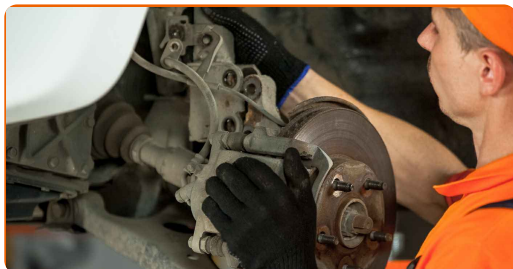
- 38** Remove the fender protection cover.

- 39** Close the hood.



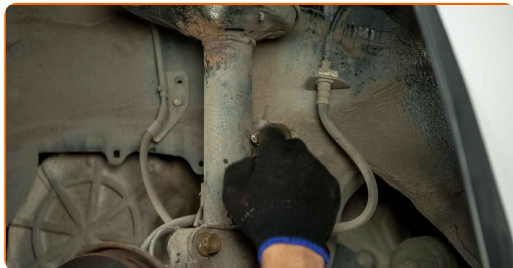
- 40** Raise the front of the car and secure on supports.

- 41** Clean the mounting seats of the shock strut. Use a wire brush. Use WD-40 spray.



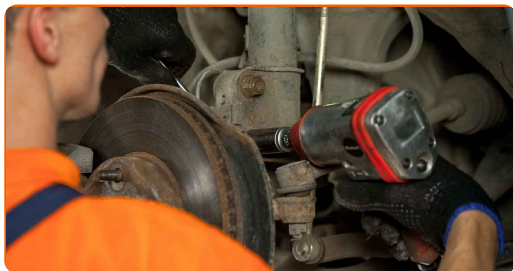
- 42** Fix the shock absorber strut on the steering knuckle. Use a crowbar.

- 43** Install the fastening bolts.



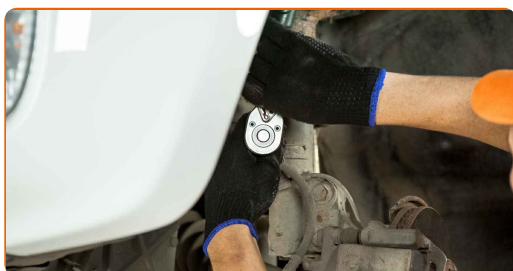
44

Screw in the fastener that connects the shock strut to the steering knuckle.



45

Fasten the brake hose on the strut. Connect the fastener of the ABS sensor cable to the shock absorber strut. Use a drive socket #12. Use a ratchet wrench.

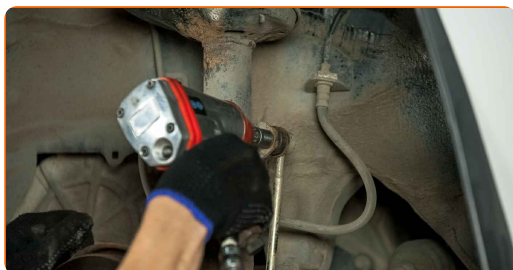


46

Install the transverse stabilizer link.

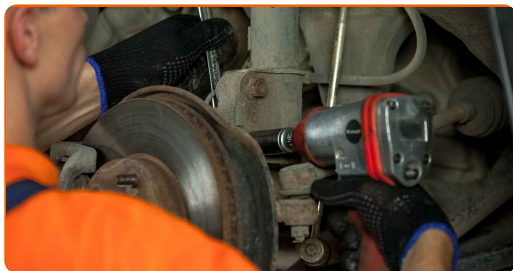
47

Tighten the fastener connecting the stabilizer link to the shock strut. Use a drive socket #14. Use a torque wrench. Tighten it to 44 Nm torque.



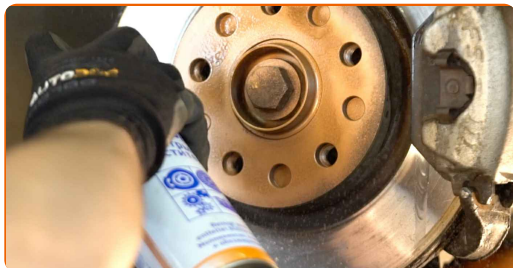
48

Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #19. Use a drive socket #19. Use a torque wrench. Tighten it to 143 Nm torque.

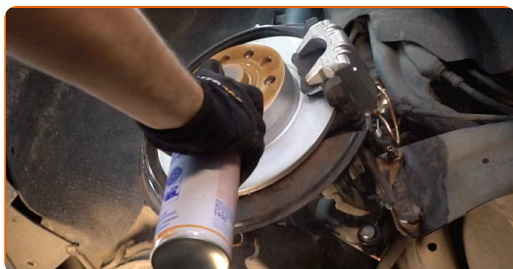


49 Treat the shock strut fasteners. Use copper grease.

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



51 Clean the brake disk surface. Use a brake cleaner.



Replacement: strut mount – Toyota RAV4 II. Tip from AUTODOC:

- After applying the spray, wait a few minutes.

52 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Toyota RAV4 II

53

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



54

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 103 nm torque.



55

Remove the jacks and chocks.



WELL DONE! 

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