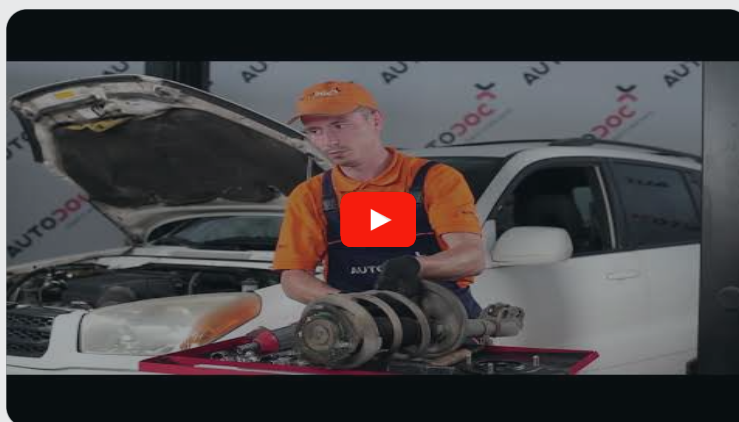




How to change front  
strut mount on **TOYOTA**  
**RAV 4 I (SXA1\_)** –  
replacement guide

## 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 4WD,  
 TOYOTA RAV 4 I (SXA1\_) 2.0 (SXA1\_), 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.

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: STRUT MOUNT – TOYOTA RAV 4 I  
(SXA1\_). 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 RAV 4 I (SXA1\_). 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 RAV 4 I (SXA1\_) – 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.



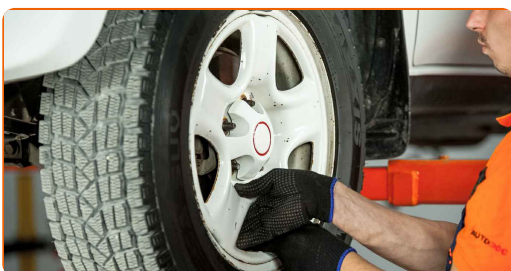
**4** Unscrew the wheel bolts.



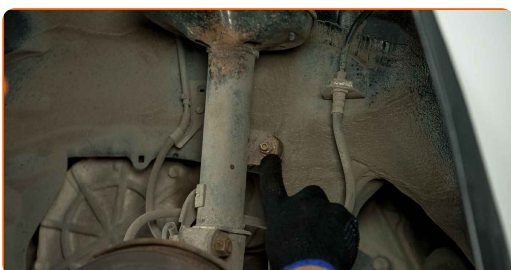
**AUTODOC recommends:**

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

**5** Remove the wheel.



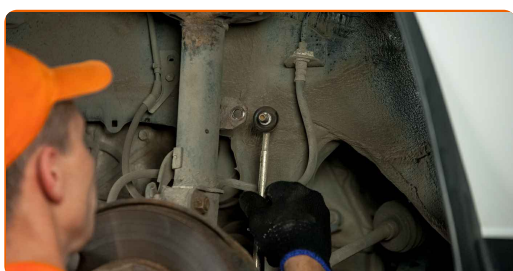
**6** Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.



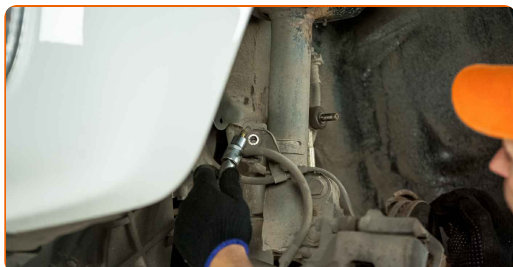
- 7** Unscrew the fastener connecting the stabilizer link to the shock strut. Use a drive socket #14. Use a ratchet wrench.



- 8** Remove the stabilizer rod.

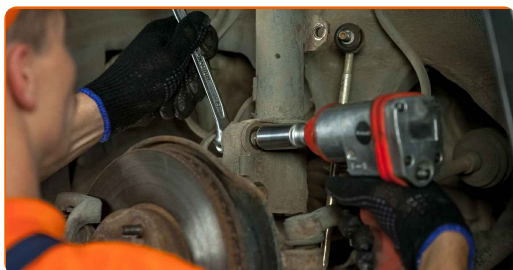


- 9** Disconnect the wiring and the brake hose from the bracket on the shock strut. Use a drive socket #12. Use a ratchet wrench.



- 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 RAV 4 I (SXA1\_). 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 RAV 4 I (SXA1\_). AUTODOC experts recommend:

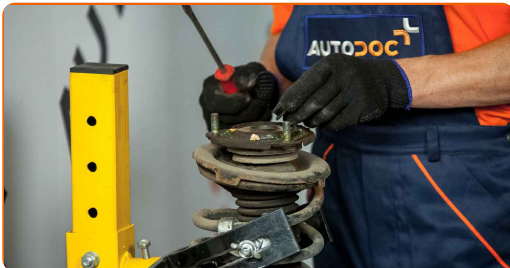
- Note that when using a spring compressor, spring coils need to be securely gripped, compressing the spring on the opposite sides.
- Ensure the correct position of the spring in the retainer.
- Make sure that the spring coils tightly entered the lock handles.

**22**

Compress the spring.

**23**

Remove the shock strut mount cap. Use a crowbar.



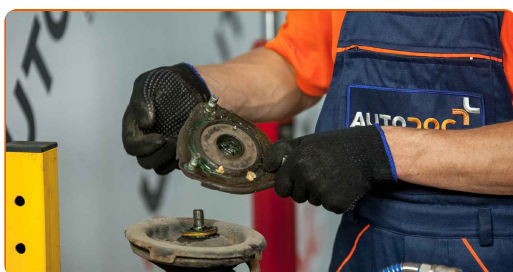


**24** Treat the shock strut rod. Use a wire brush. Use WD-40 spray.

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



**26** Remove the top strut mount.

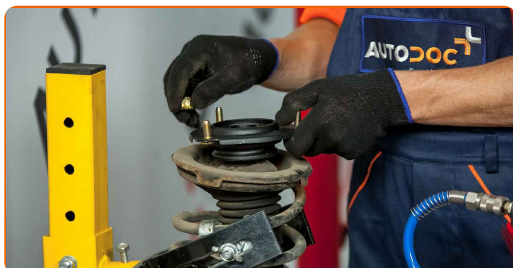


**27** Treat the fasteners of the shock strut mount. Use WD-40 spray.

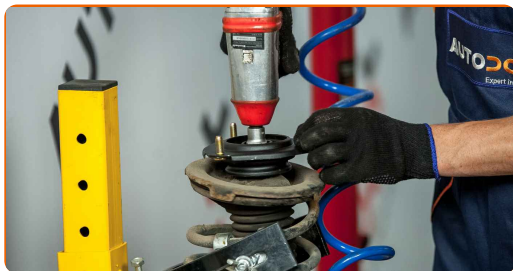
Replacement: strut mount – TOYOTA RAV 4 I (SXA1\_). Professionals recommend:

- 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.

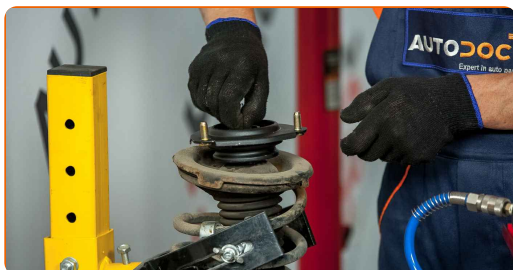


Replacement: strut mount – TOYOTA RAV 4 I (SXA1\_). AUTODOC experts recommend:

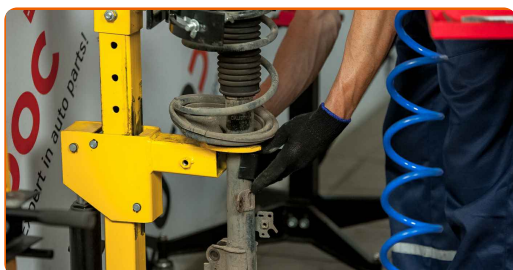
- Check to make sure the spring is positioned correctly. Avoid its misalignment.

**30** Treat the shock strut rod. Use copper grease.

**31** Install the shock strut mount cap.



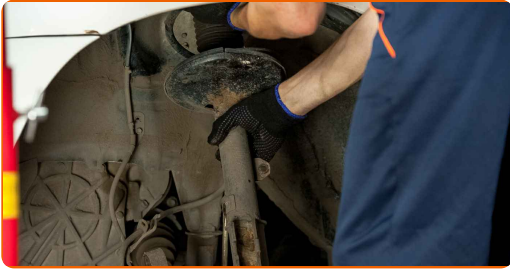
**32** Decompress the spring.



**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 RAV 4 I (SXA1\_)

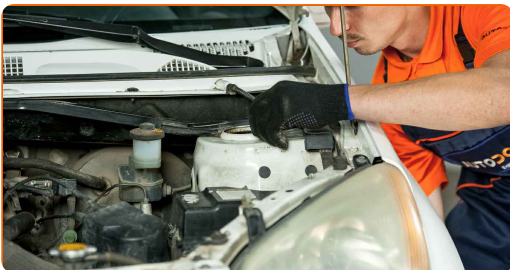
**36**

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.

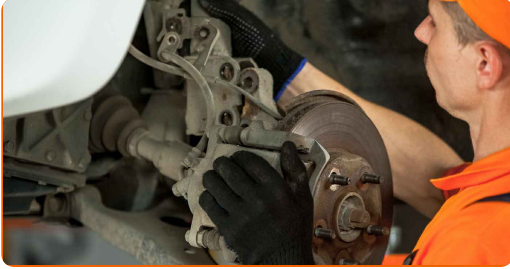


**38** Remove the fender protection cover.

**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.

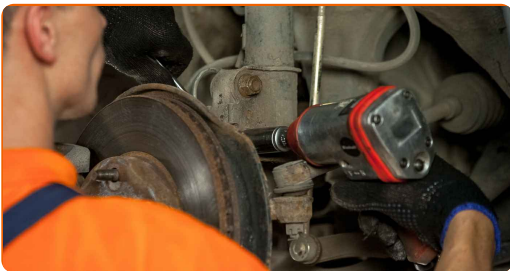


**42** Fix the shock absorber strut on the steering knuckle. Use a crowbar.

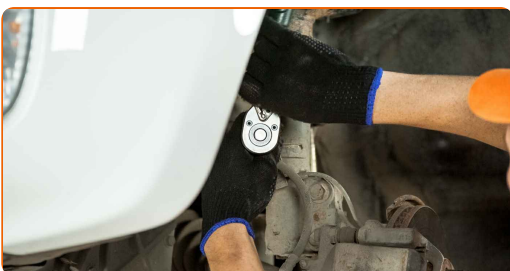
**43** Install the fastening bolts.



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

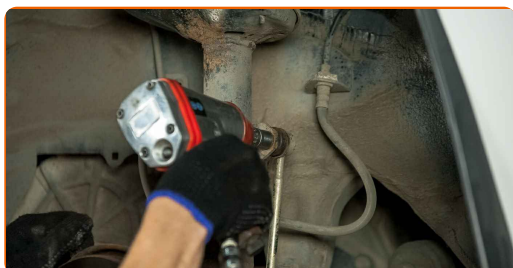


**45** Fasten the brake hose on the strut. Connect the fastener of the ABS sensor cable to the shock absorber strut. Use a drive socket #12. Use a ratchet wrench.

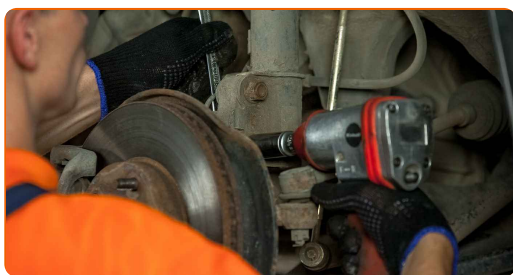


**46** Install the transverse stabilizer link.

**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.

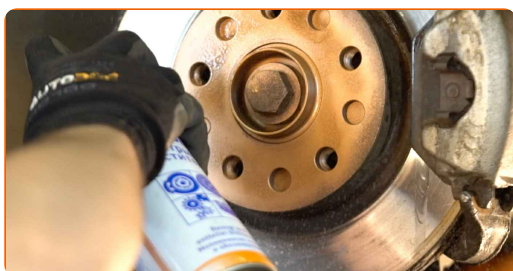


**48** Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #19. Use a drive socket #19. Use a torque wrench. Tighten it to 143 Nm torque.

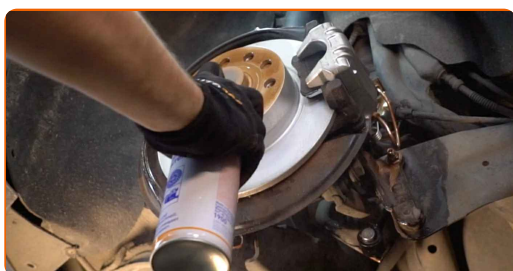


**49** Treat the shock strut fasteners. Use copper grease.

**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 RAV 4 I (SXA1\_). 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 RAV 4 I (SXA1\_)

53

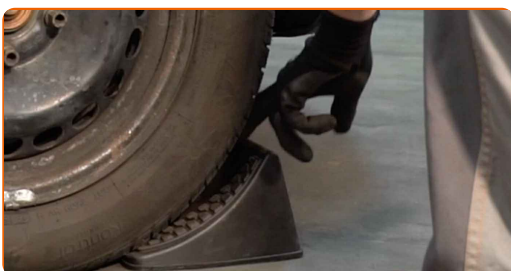
Screw in the wheel bolts. Use wheel impact socket #17.



- 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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