



How to change front  
suspension strut on  
**Toyota Yaris P1** –  
replacement guide

## VIDEO TUTORIAL



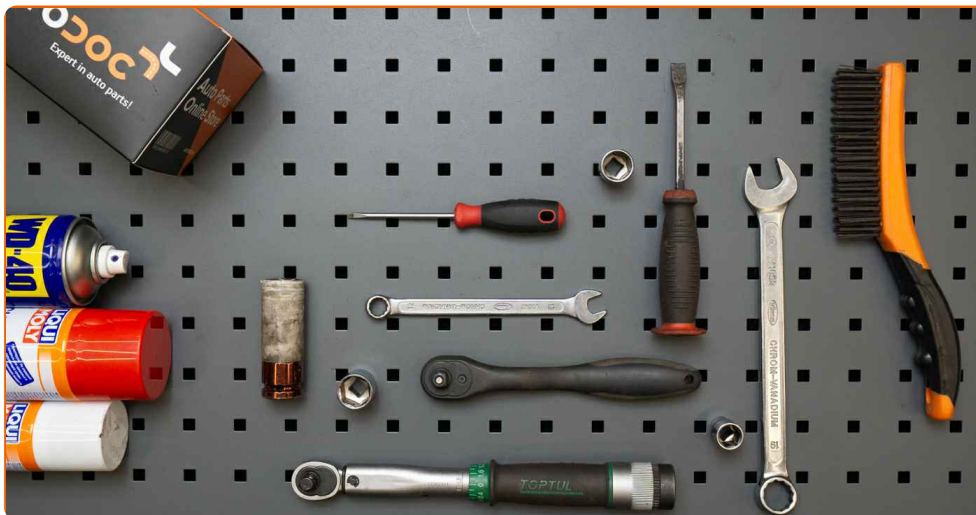
### **i Important!**

This replacement procedure can be used for:

TOYOTA Yaris Hatchback (\_P1\_) 1.0 (SCP10\_), TOYOTA Yaris Hatchback (\_P1\_) 1.5 (NCP13\_), TOYOTA Yaris Hatchback (\_P1\_) 1.4 D-4D (NLP10\_), TOYOTA Yaris Hatchback (\_P1\_) 1.3 (SCP12\_)

The steps may slightly vary depending on the car design.

## REPLACEMENT: SUSPENSION STRUT – TOYOTA YARIS P1. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #12
- Combination spanner #19
- Drive socket # 14
- Drive socket # 17
- Drive socket # 19
- Wheel impact socket #21
- Ratchet wrench
- Torque wrench
- Flat Screwdriver
- Hydraulic strut spring compressor
- Fender cover
- Wheel chock

[BUY TOOLS](#)

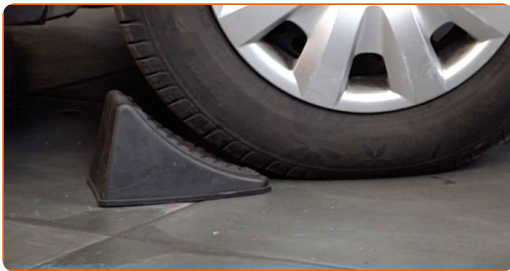
### Replacement: suspension strut – Toyota Yaris P1. AUTODOC recommends:

- Both shock struts of the front suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock struts of the front suspension.
- All work should be done with the engine stopped.

## REPLACEMENT: SUSPENSION STRUT – TOYOTA YARIS P1. USE THE FOLLOWING PROCEDURE:

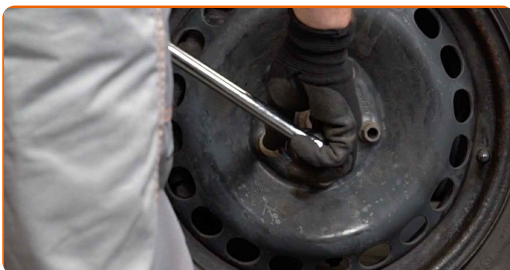
1

Secure the wheels with chocks.



2

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



3

Raise the front of the car and secure on supports.

4

Unscrew the wheel bolts.



### Replacement: suspension strut – Toyota Yaris P1. Tip:

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

5

Remove the wheel.

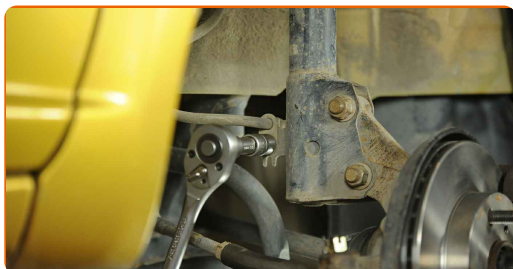


6

Clean the fastener of the bracket that connects the brake hose to the shock strut. Use a wire brush. Use WD-40 spray.

7

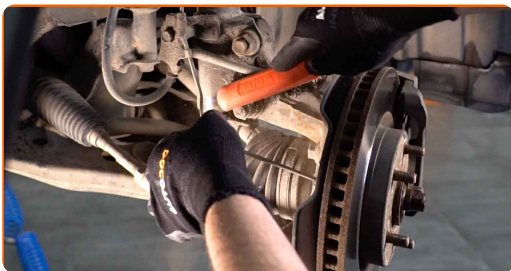
Unscrew the brake hose fastening bracket from the shock strut. Use a drive socket #14. Use a ratchet wrench.



8

Remove the bracket from the shock absorber strut.

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

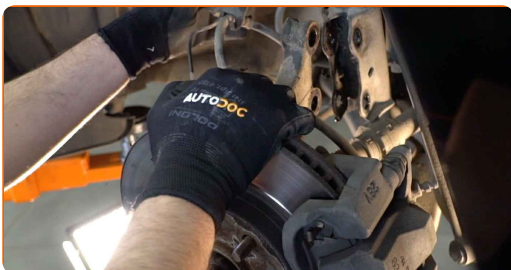


- 10 Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #19. Use a drive socket #19. Use a ratchet wrench.



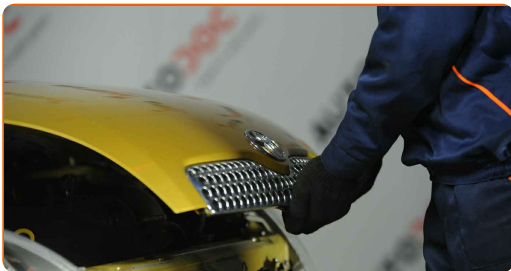
- 11 Remove the fastening bolts.

- 12 Disconnect the steering knuckle from the shock absorber strut.



- 13 Lower the car.

- 14 Open the bonnet.



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

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

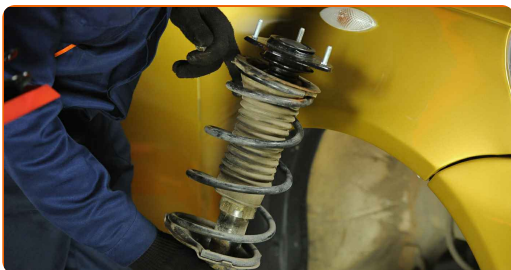
**17** Loosen the upper fastener of the shock strut mount. Use a combination spanner #12.



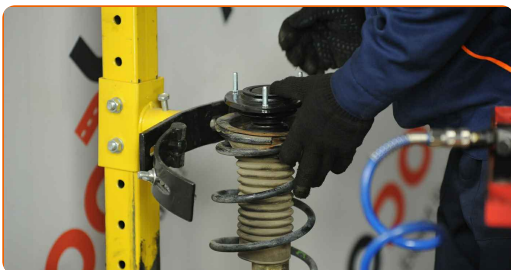
### AUTODOC recommends:

- Important! Hold the suspension strut while unscrewing the fastening bolts.  
Toyota Yaris P1

**18** Remove the suspension strut.



**19** Set the shock absorber strut on the spring compressor tool.





Replacement: suspension strut – Toyota Yaris P1. 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.

20

Compress the spring.



21

Remove the protective cap from the shock absorber strut mount. Use a flat screwdriver.



22

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





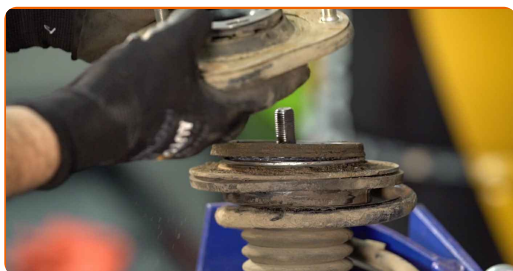
23

Remove the strut piston rod nut. Use a drive socket #17. Use a ratchet wrench.



24

Remove the top strut mount. Use a flat screwdriver.



25

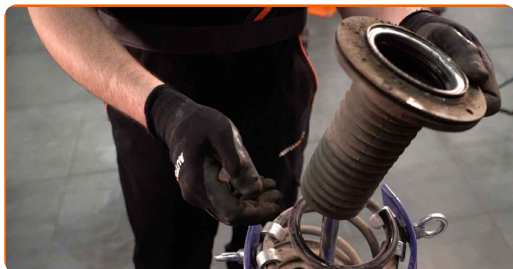
Release the coil spring.

26

Remove the spring.

27

Remove the shock absorber dust cap and the bump stop.



### AUTODOC recommends:

- Replacement: suspension strut – Toyota Yaris P1. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

28

Remove the old shock absorber from the hydraulic coil spring compressor.



Replacement: suspension strut – Toyota Yaris P1. Tip from AUTODOC experts:

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

29

Install the new shock absorber on the hydraulic coil spring compressor.

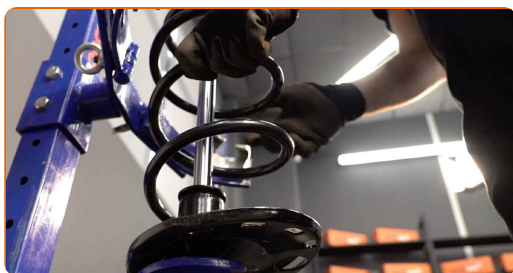


30

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

31

Install the spring on the shock absorber.



32

Compress the spring.

33 Install the upper strut mount and the strut mount bearing.



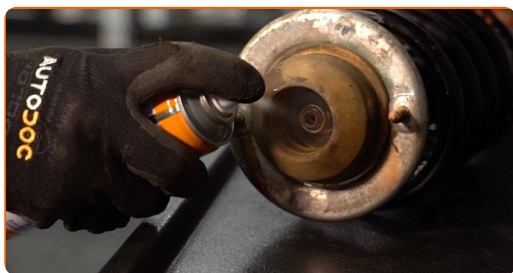
34 Tighten the shock strut piston rod nut. Use a drive socket #17. Use a torque wrench. Tighten it to 33 Nm torque.



Replacement: suspension strut – Toyota Yaris P1. Professionals recommend:

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

35 Treat the shock strut rod. Use copper grease.

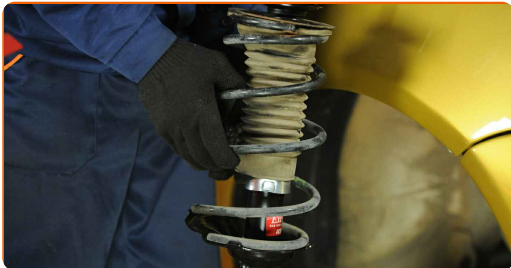


36 Install the protective cap onto the shock absorber strut mount.

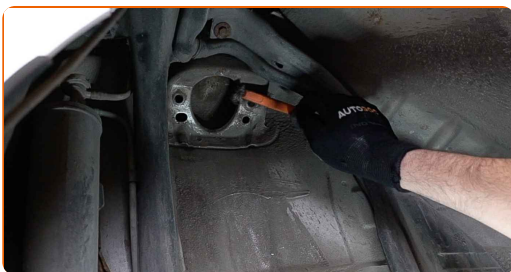


**37** Decompress the spring.

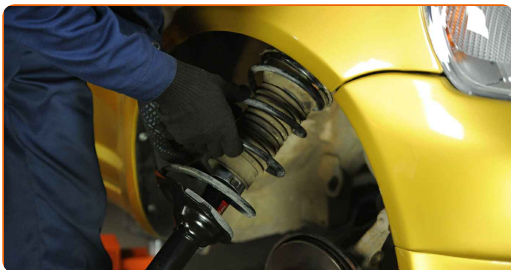
**38** Remove the assembled shock strut.



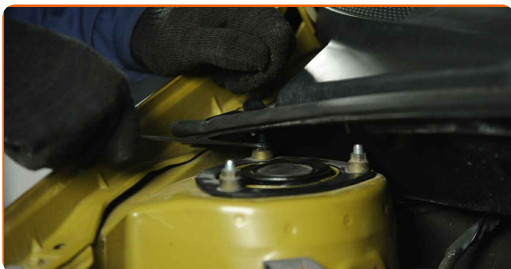
**39** Clean the mounting seats of the shock strut. Use a wire brush. Use WD-40 spray.



**40** Install the shock strut into the wheel arch.



**41** Screw the top fastening of the shock strut mount.



### AUTODOC recommends:

- Toyota Yaris P1 – To avoid injury, hold the suspension strut while screwing in the fastening bolts.

- 42** Tighten the upper fastener of the shock absorber strut mount. Use a combination spanner #12. Use a torque wrench. Tighten it to 35 Nm torque.



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

- 44** Remove the fender protection cover. Close the hood.



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

- 46** Fix the shock absorber strut on the steering knuckle.

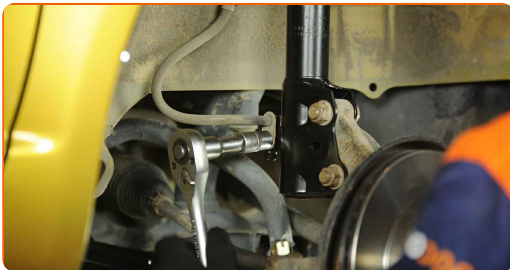
- 47** Install the fastening bolts.

- 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 132 Nm torque.



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

- 50** Install the bracket onto the shock absorber strut. Tighten the brake hose fastening bracket to the shock strut. Use a drive socket #14. Use a ratchet wrench.



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



- 52** Clean the brake disk surface. Use a brake cleaner.





Replacement: suspension strut – Toyota Yaris P1. AUTODOC recommends:

- After applying the spray, wait a few minutes.

53

Install the wheel.

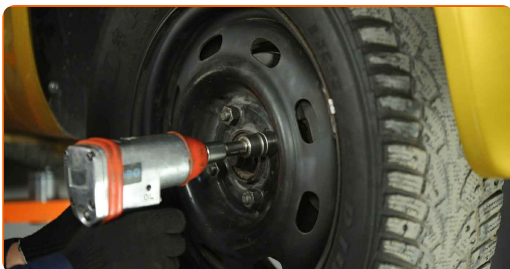


Replacement: suspension strut – Toyota Yaris P1. AUTODOC experts recommend:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

54

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





**55**

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.

**56**

Remove the jacks and chocks.

**WELL DONE!** 

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