



How to change front coil  
springs on **Toyota Yaris**  
**P1** – replacement guide

## VIDEO TUTORIAL

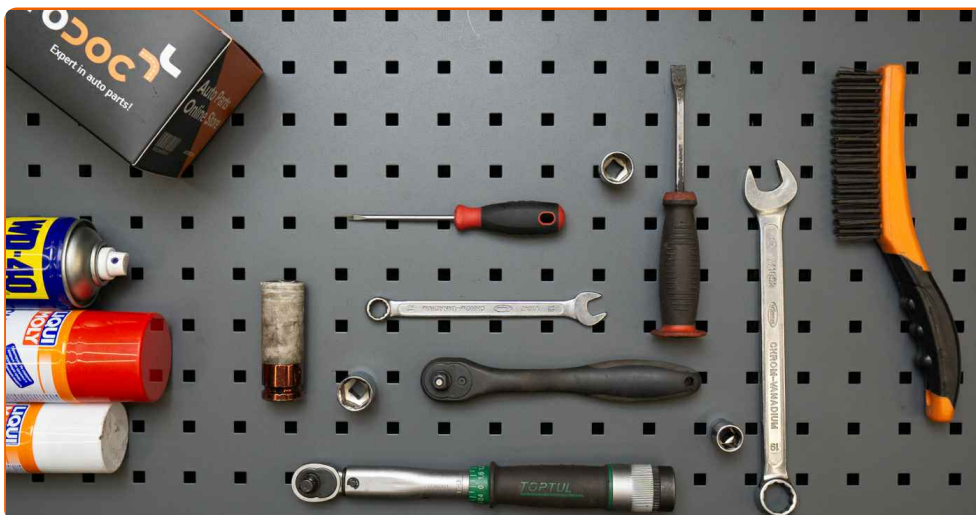


### Important!

This replacement procedure can be used for:  
TOYOTA Yaris Hatchback (\_P1\_) 1.0 (SCP10\_), TOYOTA Yaris Hatchback (\_P1\_) 1.3 (SCP12\_)

The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – TOYOTA YARIS P1.  
TOOLS YOU 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**

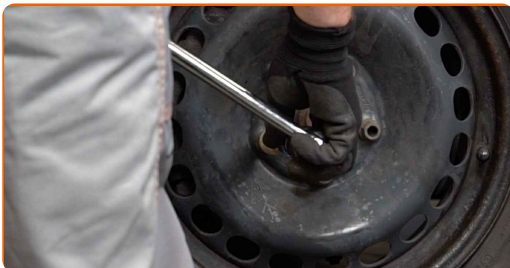
Replacement: coil springs – Toyota Yaris P1. AUTODOC experts recommend:

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

**REPLACEMENT: COIL SPRINGS – TOYOTA YARIS P1.  
RECOMMENDED SEQUENCE OF STEPS:**

**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: coil springs – Toyota Yaris P1. Tip:

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

**5** Remove the wheel.



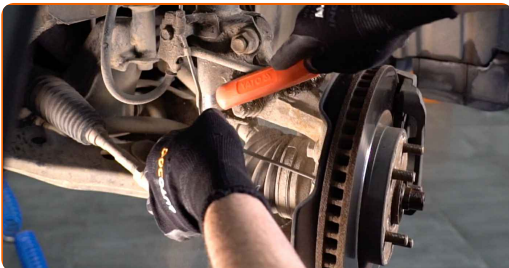
**6** Clean the fastener of the bracket that connects the brake hose to the shock strut. Use a wire brush. Use WD-40 spray.

**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.

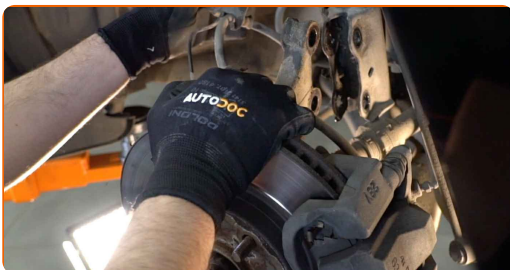


- 10 Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #19. Use a drive socket #19. Use a ratchet wrench.



- 11 Remove the fastening bolts.

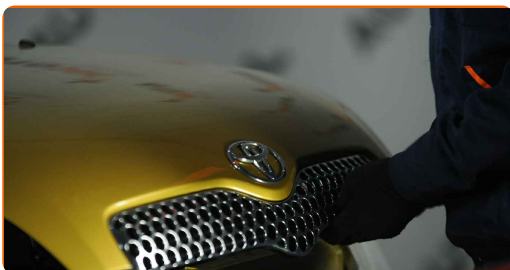
- 12 Disconnect the steering knuckle from the shock absorber strut.



- 13 Lower the car.



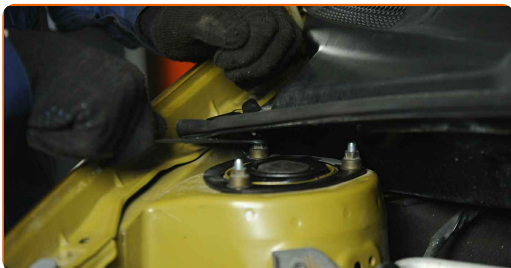
- 14 Open the hood.



**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** Unscrew the top fastening of the shock strut mount. Use a combination spanner #12.



**Replacement: coil springs – Toyota Yaris P1. AUTODOC recommends:**

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

**18** Remove the suspension strut.



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



Replacement: coil springs – 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.



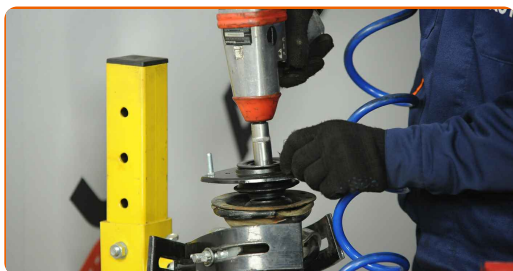
**22** Treat the shock strut rod. Use a wire brush. Use WD-40 spray.





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.

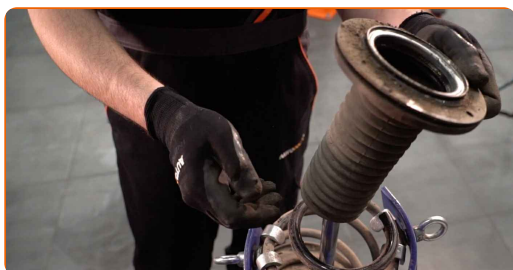


25

Release the coil spring.

26

Remove the shock absorber dust cap and the bump stop.



**AUTODOC recommends:**

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

**27** Remove the spring.



**28** Install the spring on the shock absorber.



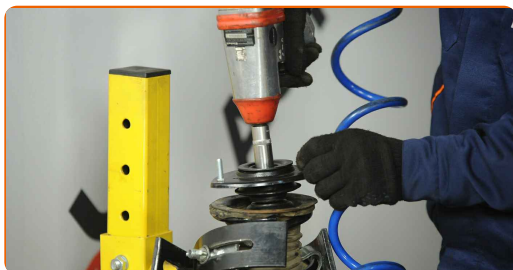
**29** Install the boot and a bump stop onto the shock absorber.

**30** Compress the spring.

**31** Install the upper strut mount and the strut mount bearing.



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

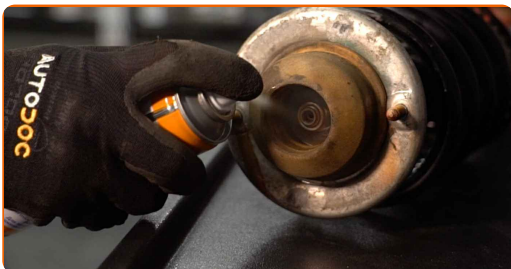


Replacement: coil springs – Toyota Yaris P1. Professionals recommend:

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

33

Treat the shock strut rod. Use copper grease.



34

Install the protective cap onto the shock absorber strut mount.



35

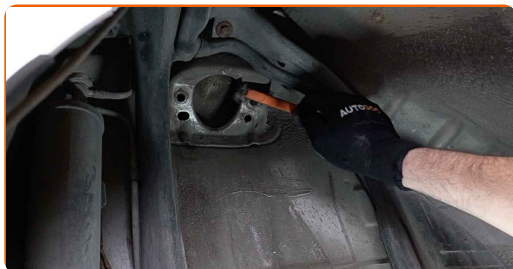
Decompress the spring.

36

Remove the assembled shock strut.

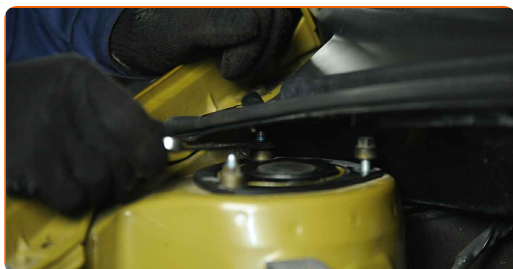


**37** Clean the mounting seats of the shock strut. Use a wire brush. Use WD-40 spray.



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

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



**AUTODOC recommends:**

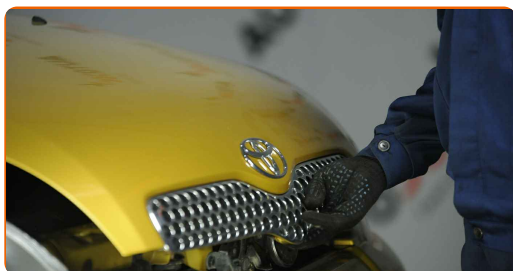
- Important! Hold the suspension strut while screwing in the fastening bolts.  
Toyota Yaris P1

**40** 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.



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

**42** Remove the fender protection cover. Close the hood.

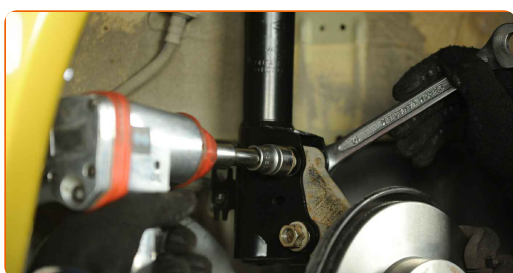


**43** Raise the front of the car and secure on supports.

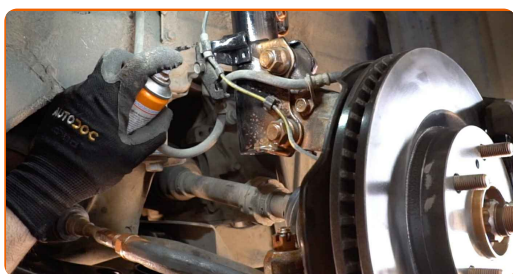
**44** Fix the shock absorber strut on the steering knuckle.

**45** Install the fastening bolts.

**46** 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.

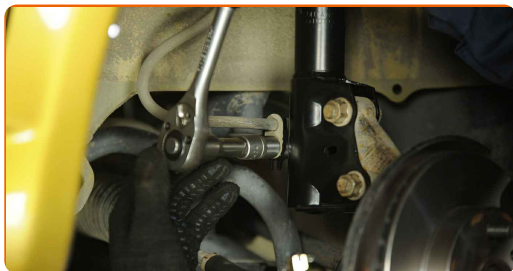


**47** Treat the shock strut fasteners. Use copper grease.



**48** Install the bracket onto the shock absorber strut.

**49** Tighten the brake hose fastening bracket to the shock strut. Use a drive socket #14. Use a ratchet wrench.



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



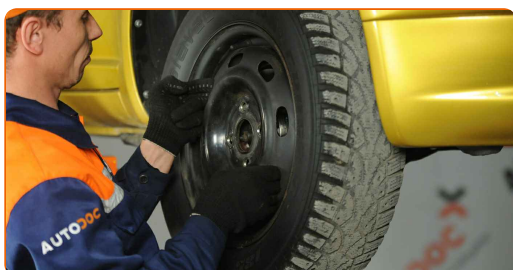
**51** Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: coil springs – Toyota Yaris P1. After applying the spray, wait a few minutes.

**52** Install the wheel.



Replacement: coil springs – Toyota Yaris P1. Tip from AUTODOC experts:

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

53

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



54

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.



55

Remove the jacks and chocks.

**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**

**BUY SPARE PARTS FOR TOYOTA**

**COIL SPRINGS: A WIDE SELECTION**



**CHOOSE CAR PARTS FOR TOYOTA YARIS P1**

**COIL SPRINGS FOR TOYOTA: BUY NOW**

**COIL SPRINGS FOR TOYOTA YARIS P1: THE BEST DEALS & OFFERS**

### **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 2023 – 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.