



How to change front coil  
springs on **Suzuki Swift**  
**MK3** – replacement guide

## VIDEO TUTORIAL



### **i Important!**

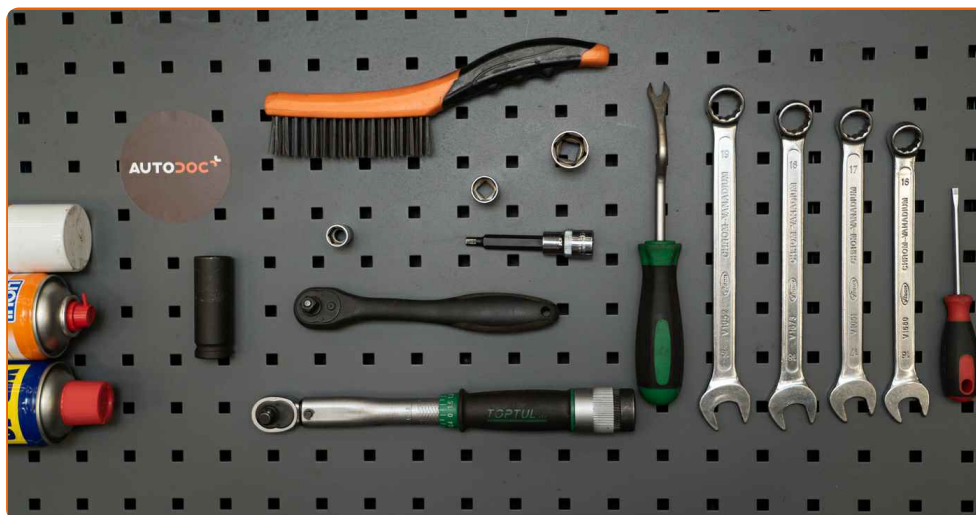
This replacement procedure can be used for:

SUZUKI SWIFT III (MZ, EZ) 1.3 (RS 413), SUZUKI SWIFT III (MZ, EZ) 1.6 (RS 416)

The steps may slightly vary depending on the car design.

## REPLACEMENT: COIL SPRINGS – SUZUKI SWIFT MK3.

### LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Drive socket # 12
- Drive socket # 15
- Drive socket # 21
- Combination spanner #16
- Combination spanner #17
- Combination spanner #18
- Combination spanner #19
- HEX bit no.H6.
- Wheel impact socket #21
- Ratchet wrench
- Torque wrench
- Hydraulic strut spring compressor
- Flat Screwdriver
- Clip removal tool
- Fender cover
- Wheel chock

**BUY TOOLS**

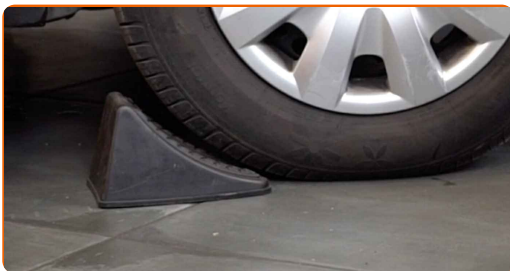
### Replacement: coil springs – Suzuki Swift MK3. Professionals recommend:

- 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.
- Please note: all work on the car – Suzuki Swift MK3 – 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 #21.



3

Raise the front of the car and secure on supports.

4

Unscrew the wheel bolts.

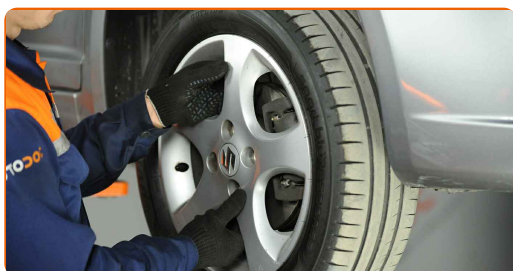


### AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Suzuki Swift MK3

5

Remove the wheel.

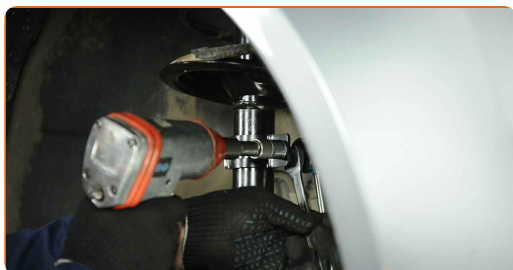


6

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 combination spanner #16. Use a drive socket #15. Use a ratchet wrench.



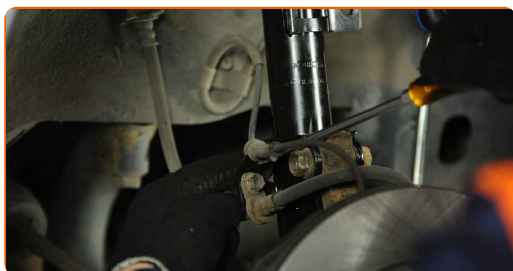
8

Remove the stabilizer rod.



9

Disconnect the ABS sensor wiring. Use a flat screwdriver.

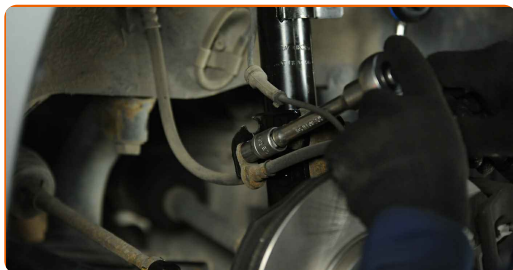


10

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

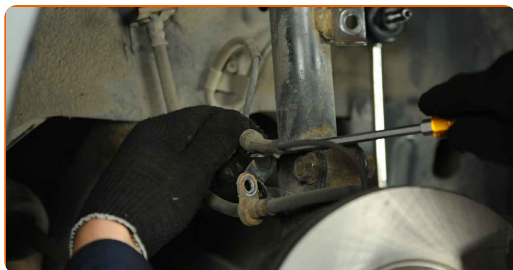
11

Unscrew the brake hose fastening bracket from the shock strut. Use a drive socket #12. Use a ratchet wrench.



12

Remove the bracket from the shock absorber strut.



13

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

- 14** Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #17. Use a drive socket #21. Use a ratchet wrench.



- 15** Remove the fastening bolts (2 pieces).

- 16** Disconnect the steering knuckle from the shock absorber strut.



- 17** Lower the car.



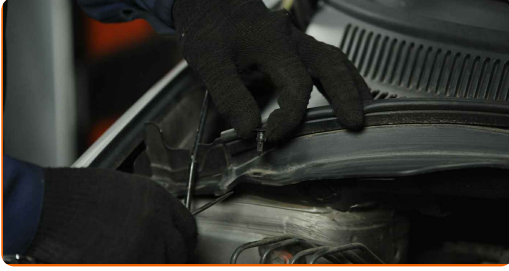
- 18** Open the bonnet.



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

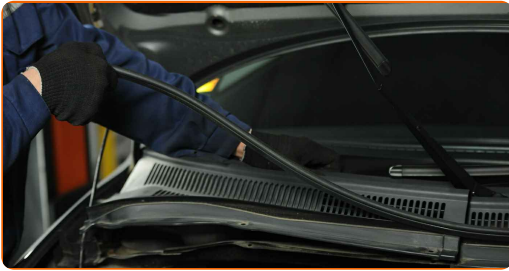
20

Remove the clips of the plastic cowl grille. Use a clip removal tool.



21

Remove the cowl grille seal.



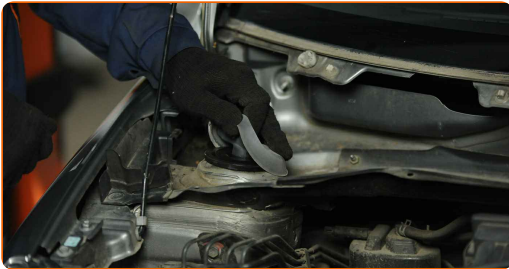
22

Remove the wiper cowl grille located on the right side.



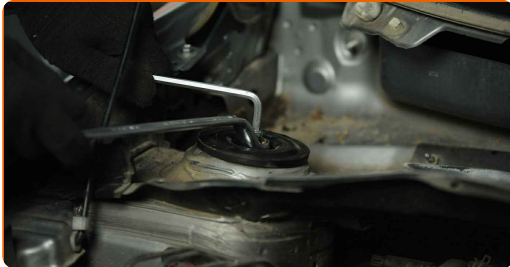
23

Remove the protective cap of the shock absorber mount.



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

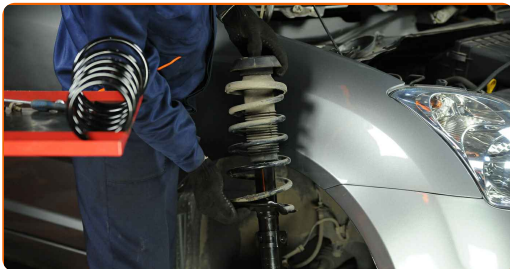
**25** Unscrew the top fastening of the shock strut mount. Use a combination spanner #18. Use HEX No.H6. Use a ratchet wrench.



### AUTODOC recommends:

- Suzuki Swift MK3 – To avoid injury, hold the suspension strut while unscrewing the fastening bolts.

**26** Remove the suspension strut.



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



## Replacement: coil springs – Suzuki Swift MK3. Tip from AUTODOC:

- 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.

28

Compress the spring.



29

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

30

Remove the strut piston rod nut. Use a combination spanner #19. Use HEX No.H6. Use a ratchet wrench.

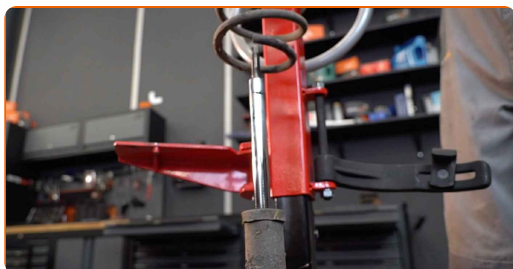


**31** Remove the top strut mount.



**32** Release the coil spring.

**33** Remove the spring.



### AUTODOC recommends:

- Replacement: coil springs – Suzuki Swift MK3. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

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



**35** Compress the spring.

36

Install the upper strut mount and the strut mount bearing.



37

Tighten the shock strut piston rod nut. Use a combination spanner #19. Use HEX No.H6. Use a torque wrench. Tighten it to 50 Nm torque.



Replacement: coil springs – Suzuki Swift MK3. Tip:

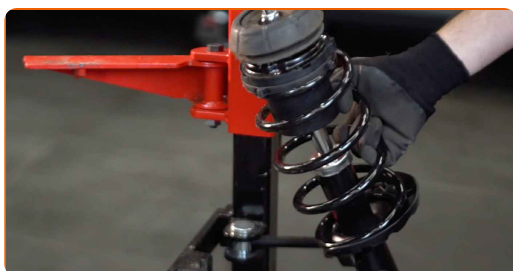
- Check to make sure the spring is positioned correctly. Avoid its misalignment.

38

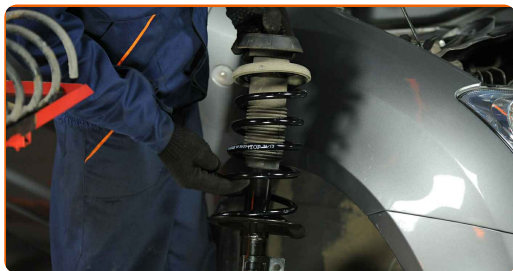
Decompress the spring.

39

Remove the assembled shock strut.



40 Install the shock strut into the wheel arch.

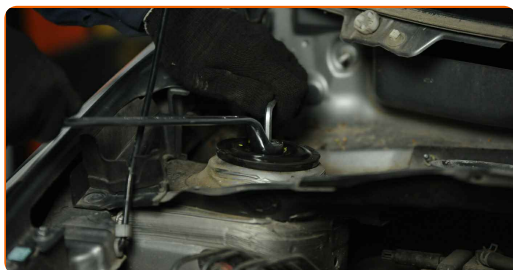


41 Screw the top fastening of the shock strut mount.

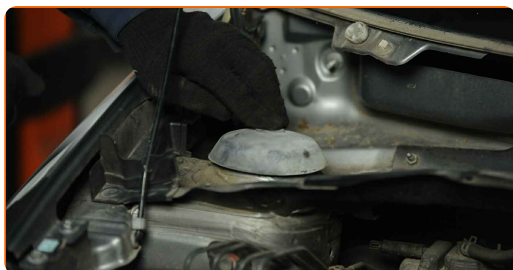
### AUTODOC recommends:

- Important! Hold the suspension strut while screwing in the fastening bolts.  
Suzuki Swift MK3

42 Tighten the upper fastener of the shock absorber strut mount. Use a combination spanner #17. Use HEX No.H6. Use a torque wrench. Tighten it to 50 Nm torque.

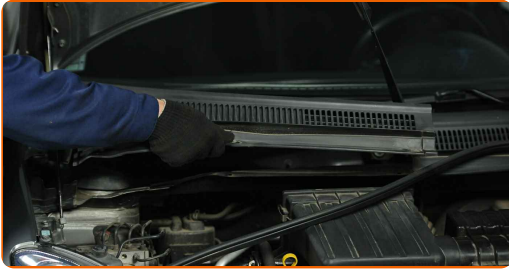


43 Install the protective cap of the shock absorber mount.



44

Install and secure the wiper cowl grille located on the right side.



45

Install the cowl grille seal.



46

Install the fasteners of the wiper plastic cowl grille.



47

Remove the fender protection cover.

48

Close the hood.



49 Raise the front of the car and secure on supports.



50 Fix the shock absorber strut on the steering knuckle.

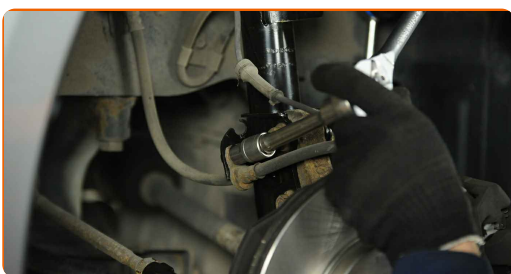
51 Install the fastening bolts (2 pieces).

52 Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #17. Use a drive socket #21. Use a torque wrench. Tighten it to 90 Nm torque.

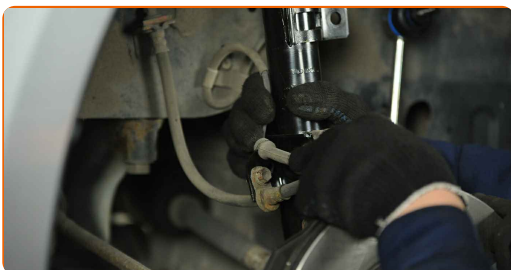


53 Install the bracket onto the shock absorber strut.

54 Tighten the brake hose fastening bracket to the shock strut. Use a drive socket #12. Use a ratchet wrench.

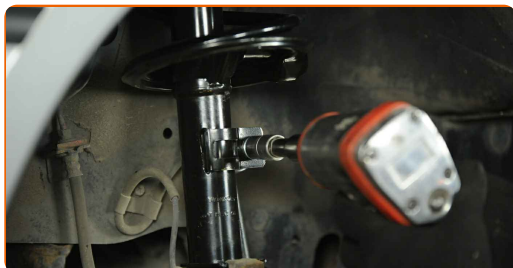


55 Connect the ABS sensor wiring.



**56** Install the transverse stabilizer link.

**57** Tighten the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #16. Use a drive socket #15. Use a torque wrench. Tighten it to 50 Nm torque.



**58** Treat the shock strut fasteners. Treat all joints of the stabiliser link. Use copper grease.

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



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



### AUTODOC recommends:

- Replacement: coil springs – Suzuki Swift MK3. After applying the spray, wait a few minutes.

61

Install the wheel.

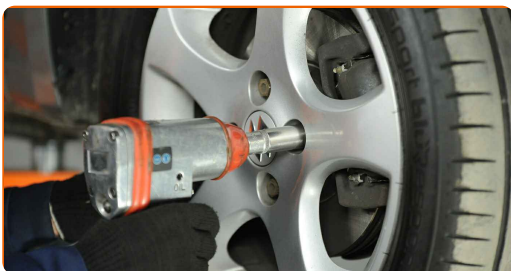


### AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Suzuki Swift MK3

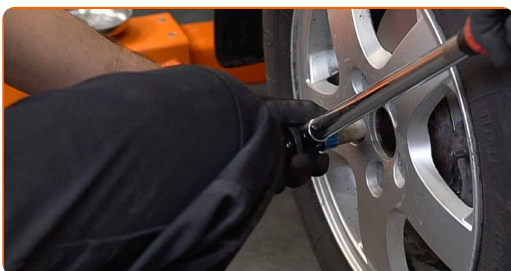
62

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



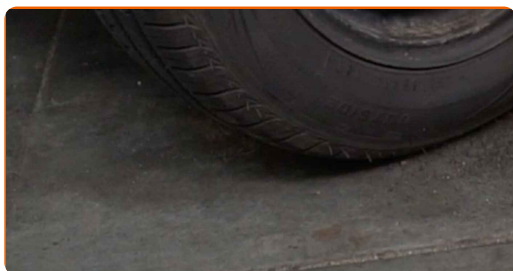
63

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 85 nm torque.



64

Remove the jacks and chocks.



**WELL DONE!** 

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