



How to change front coil  
springs on **SEAT Leon**  
**Hatchback (1M1)** –  
replacement guide

### SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

#### **i Important!**

This replacement procedure can be used for:

SEAT Leon Hatchback (1M1) 1.6, SEAT Leon Hatchback (1M1) 1.8 20V, SEAT Leon Hatchback (1M1) 1.9 TDI, SEAT Leon Hatchback (1M1) 1.9 SDI, SEAT Leon Hatchback (1M1) 1.6 16 V

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: SKODA OCTAVIA (1U2) 1.6

**REPLACEMENT: COIL SPRINGS – SEAT LEON HATCHBACK (1M1). TOOLS YOU MIGHT NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- High-temperature ceramic grease
- Torque wrench
- HEX bit No.H6.
- Combination spanner #18
- Drive socket # 16
- Drive socket # 18
- Drive socket # 20.6
- Wheel impact socket #17
- Ratchet wrench
- Hydraulic strut spring compressor
- Hammer
- Rubber mallet
- Hydraulic transmission jack
- Fender cover
- Wheel chock

**Buy tools**

Replacement: coil springs – SEAT Leon Hatchback (1M1). Tip from AUTODOC:

- 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 – SEAT LEON HATCHBACK (1M1).  
USE THE FOLLOWING PROCEDURE:**

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:**

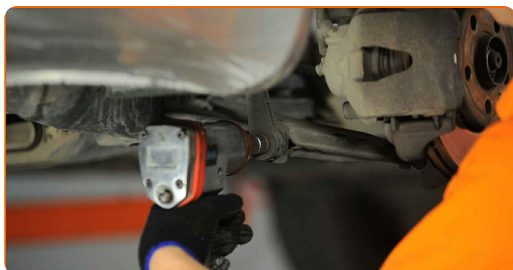
- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
SEAT Leon Hatchback (1M1)

**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 control arm. Use a drive socket #16. Use a ratchet wrench.



**8** Remove the fastening bolt.

**9** Remove the stabilizer rod.

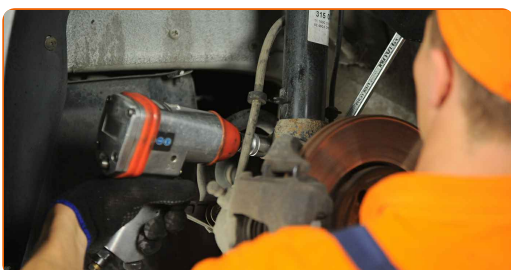
**10** Disconnect the ABS sensor wiring.



**11** Clean the lower fastener connecting the suspension strut to the steering knuckle. Use a wire brush. Use WD-40 spray.



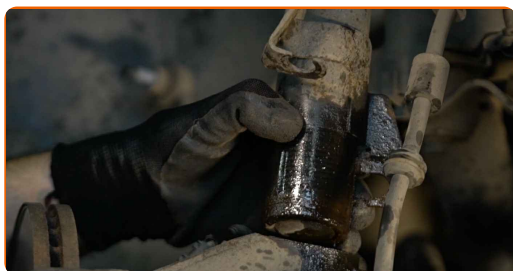
**12** Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



**13** Remove the fastening bolt.



**14** Disconnect the steering knuckle from the shock absorber strut. Use a rubber mallet.



**15** Lower the car.

**16** Open the bonnet.

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

**18** Clean the upper fastener of the suspension strut mount. Use a wire brush. Use WD-40 spray.



**19** Unscrew the top fasteners of the suspension strut mount. Use a drive socket #20.6. Use a ratchet wrench.



**AUTODOC recommends:**

- SEAT Leon Hatchback (1M1) – To avoid injury, hold the suspension strut while unscrewing the fastening bolts.



**20**

Remove the suspension strut.



**21**

Set the shock absorber strut on the spring compressor tool.

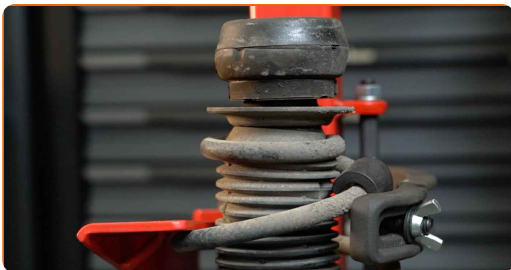


**Replacement: coil springs – SEAT Leon Hatchback (1M1). Tip from AUTODOC:**

- 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.

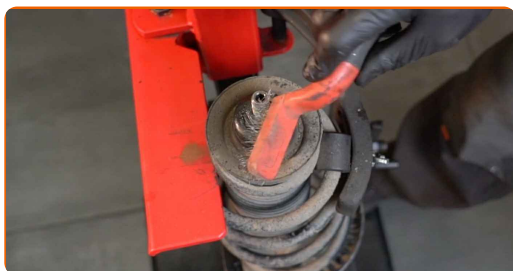
**22**

Compress the spring.

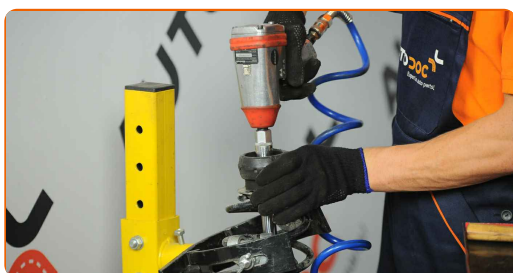




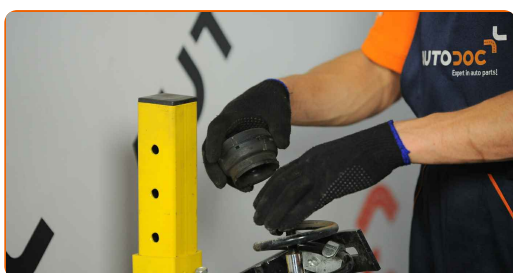
**23** Treat the shock strut rod. Use a wire brush. Use WD-40 spray.



**24** Remove the strut piston rod nut. Use a drive socket #20.6. Use a ratchet wrench.



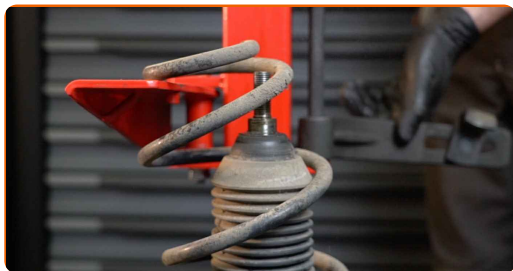
**25** Remove the top strut mount.



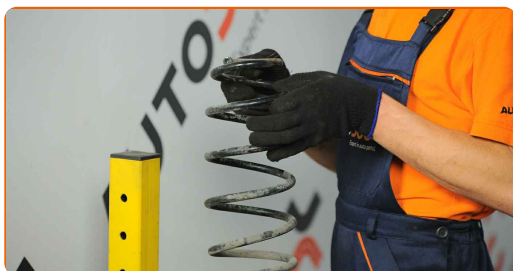
**AUTODOC recommends:**

- Replacement: coil springs – SEAT Leon Hatchback (1M1). Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

26 Release the coil spring.

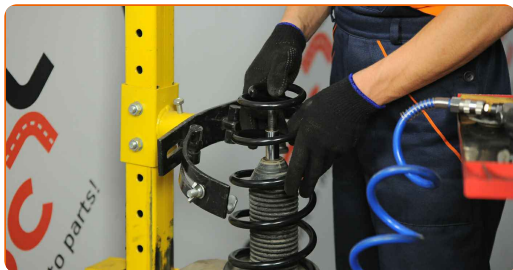


27 Remove the spring.

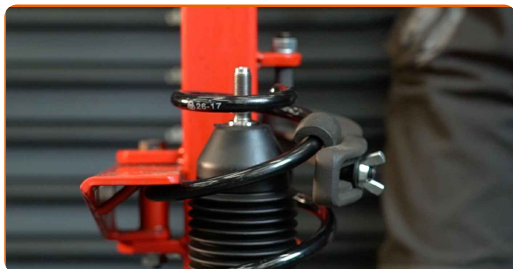


28 Clean the coil spring mounting seats. Use a wire brush.

29 Install the spring on 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 #20.6. Use HEX No.H6. Use a torque wrench. Tighten it to 60 Nm torque.



Replacement: coil springs – SEAT Leon Hatchback (1M1). AUTODOC recommends:

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

**33**

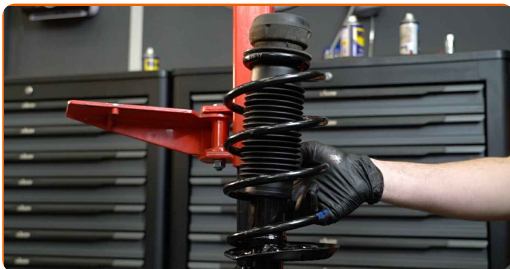
Decompress the spring.

**34**

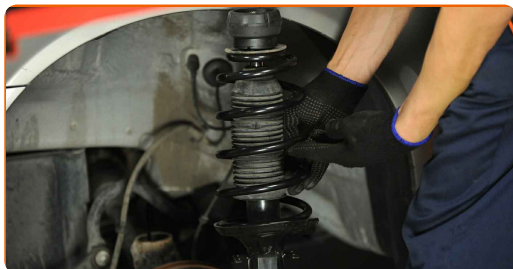
Treat the shock strut rod. Use copper grease.

**35**

Remove the assembled shock strut.



- 36** Install the shock strut into the wheel arch.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. SEAT Leon Hatchback (1M1)

- 37** Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #20.6. Use a torque wrench. Tighten it to 60 Nm torque.



- 38** Treat the upper fastener of the suspension strut mount. Use copper grease.

- 39** Remove the fender protection cover.

- 40** Close the hood.

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

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



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



**44** Prop up the steering knuckle. Use a hydraulic transmission jack.



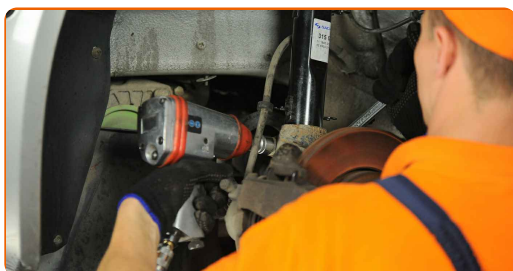
**45** Install the fastening bolt. Use a hammer.

**46** Remove the support from under the steering knuckle.

**AUTODOC recommends:**

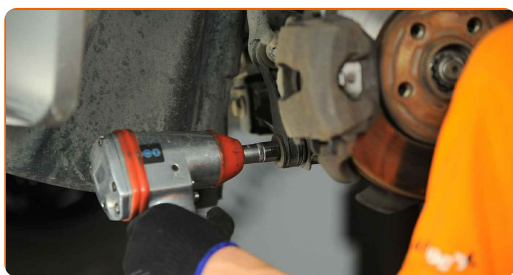
- Replacement: coil springs – SEAT Leon Hatchback (1M1). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

- 47 Tighten the lower fasteners of the suspension strut. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 60 Nm torque.+90°

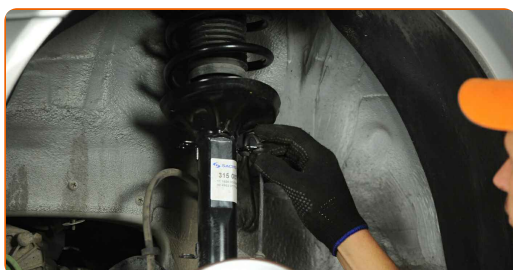


- 48 Install the transverse stabilizer link.

- 49 Install the rod fastening to the stabilizer and tighten it. Use a drive socket #16. Use a torque wrench. Tighten it to 15 Nm torque.+90°



- 50 Connect the ABS sensor wiring.



- 51 Treat the surface where the brake disc contacts the wheel rim. Use high-temperature ceramic grease.



52

Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: coil springs – SEAT Leon Hatchback (1M1). After applying the spray, wait a few minutes.

53

Install the wheel.



**AUTODOC recommends:**

- Important! Hold the wheel while screwing in the fastening bolts. SEAT Leon Hatchback (1M1)

54

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



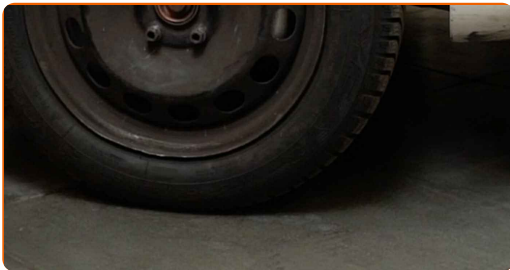


**55**

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 120 Nm torque.

**56**

Remove the jacks and chocks.



**WELL DONE!** 

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