



How to change rear coil  
springs on **Volvo V50**  
**MW** – replacement guide

## VIDEO TUTORIAL

** Important!**

This replacement procedure can be used for:

VOLVO V50 (MW, 545) 2.0 D4, VOLVO V50 (MW, 545) 2.0 D3, VOLVO V50 (MW, 545) 2.4, VOLVO V50 (MW, 545) 2.5 T5, VOLVO V50 (MW, 545) 2.0 D, VOLVO V50 (MW, 545) 1.8, VOLVO V50 (MW, 545) 1.6, VOLVO V50 (MW, 545) 1.6 D, VOLVO V50 (MW, 545) 2.0, VOLVO V50 (MW, 545) 2.4 D5, VOLVO V50 (MW, 545) 1.8 FlexFuel, VOLVO V50 (MW, 545) 2.4 Tdi, VOLVO V50 (MW, 545) 2.0 FlexFuel, VOLVO V50 (MW, 545) 2.0 CDI

The steps may slightly vary depending on the car design.

**REPLACEMENT: COIL SPRINGS – VOLVO V50 MW.  
TOOLS YOU MIGHT NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #15
- Combination spanner #18
- Combination spanner #19
- Impact socket №15
- Impact socket №16
- Impact socket №18
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Hammer
- Crow bar
- Pin punch
- Hydraulic transmission jack
- Wheel chock

**BUY TOOLS**

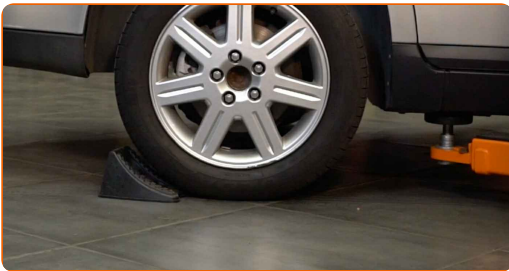
Replacement: coil springs – Volvo V50 MW. AUTODOC experts recommend:

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

## REPLACEMENT: COIL SPRINGS – VOLVO V50 MW. TAKE THE FOLLOWING STEPS:

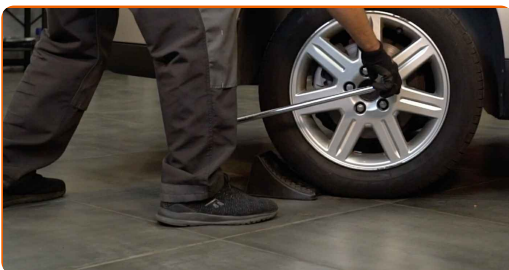
1

Secure the wheels with chocks.



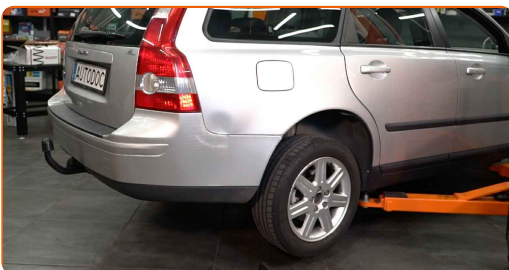
2

Loosen the wheel mounting bolts. Use wheel impact socket #19.



3

Raise the rear of the car and secure on supports.



4

Unscrew the wheel bolts.



Replacement: coil springs – Volvo V50 MW. Tip:

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

5

Remove the wheel.



6

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

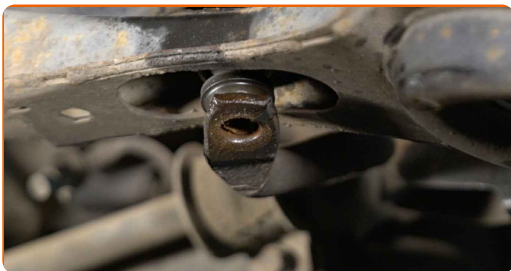


7

Unscrew the stabilizer rod fasteners. Use a drive socket #16. Use a combination spanner #15.



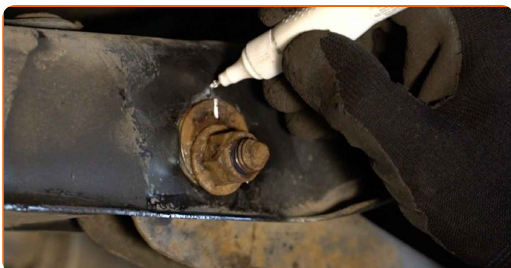
**8** Remove the stabilizer rod. Use a crowbar.



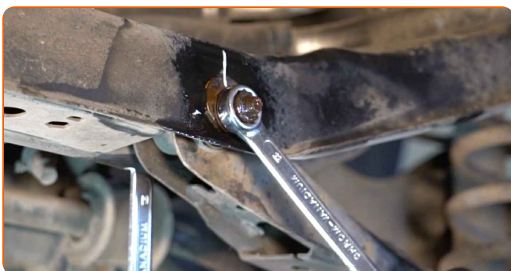
**9** Clean all joints of the arm. Use a wire brush. Use WD-40 spray.



**10** Make a mark on the camber adjustment bolt.

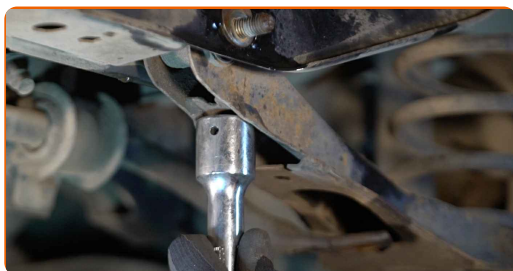


**11** Unscrew the fastener connecting the control arm to the rear subframe. Use a combination spanner #18. Use a combination spanner #19. Use a drive socket #18. Use a ratchet wrench.

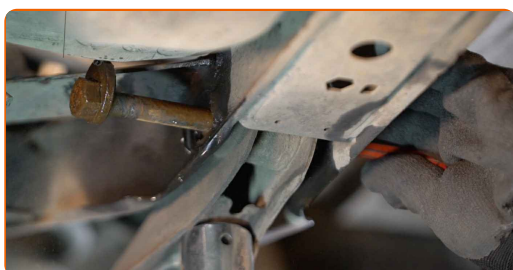




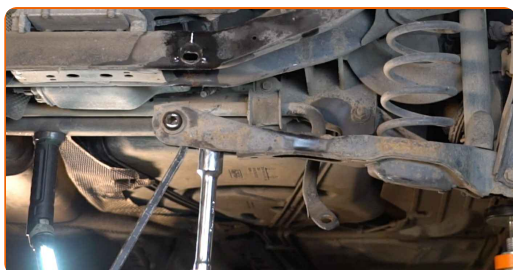
**12** Support the arm. Use a hydraulic transmission jack.



**13** Remove the fastening bolt. Use a pin punch. Use a hammer. Use a crowbar.



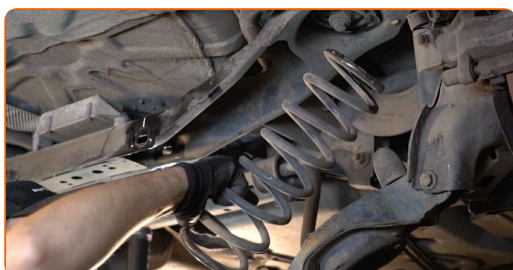
**14** Remove the support from under the arm.



**AUTODOC recommends:**

- Replacement: coil springs – Volvo V50 MW. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

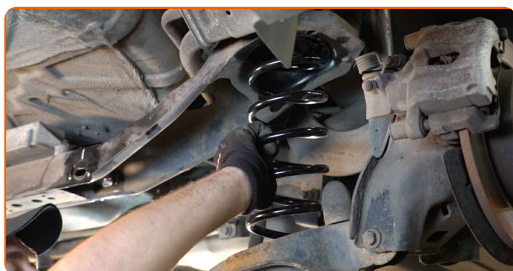
**15** Take out the spring.



**16** Clean the coil spring mounting seats. Use a wire brush. Use WD-40 spray.



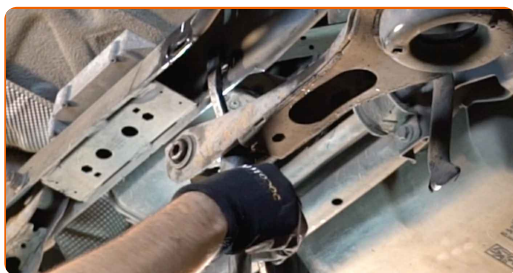
**17** Install the spring.



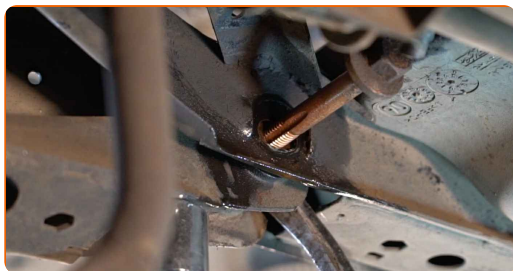
Replacement: coil springs – Volvo V50 MW. AUTODOC recommends:

- Make sure that the coil spring is correctly positioned in its mounting seats.

**18** Support the arm. Use a hydraulic transmission jack. Use a crowbar.



**19** Install the fastening bolt. Use a hammer. Use a crowbar.



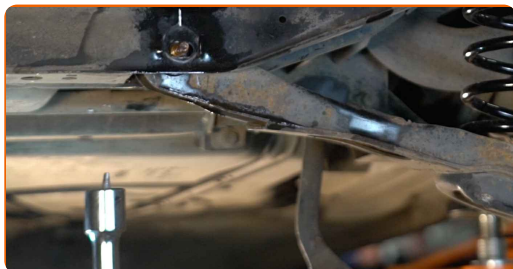


Replacement: coil springs – Volvo V50 MW. Tip from AUTODOC experts:

- Adjust the position of the alignment bolt according to the mark.

20

Remove the support from under the arm.

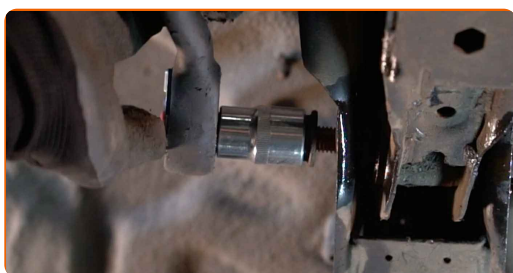


AUTODOC recommends:

- Volvo V50 MW – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

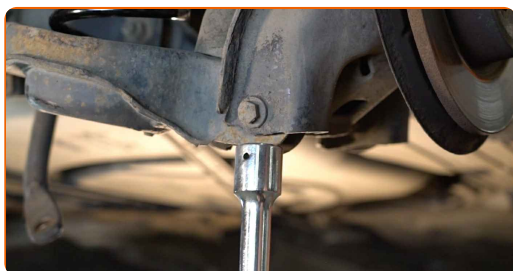
21

Screw in the fastener connecting the control arm to the rear subframe. Use a drive socket #18. Use a ratchet wrench.



22

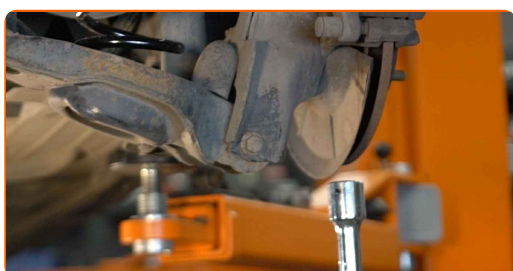
Support the arm. Use a hydraulic transmission jack.



- 23** Tighten the fastener connecting the control arm to the rear subframe. Use a drive socket #18. Use a torque wrench. Tighten it to 110 nm torque.



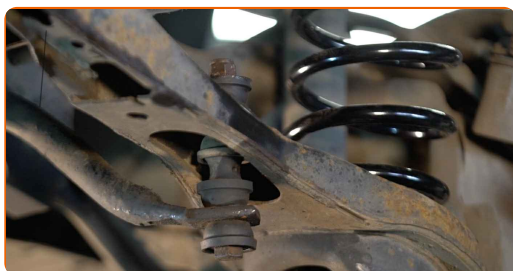
- 24** Remove the support from under the arm.



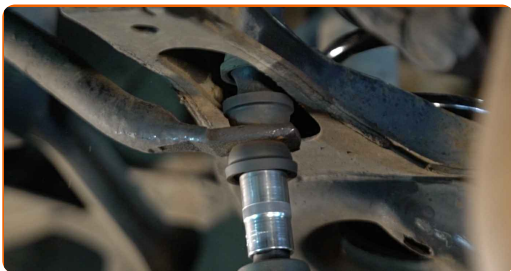
Replacement: coil springs – Volvo V50 MW. Professionals recommend:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

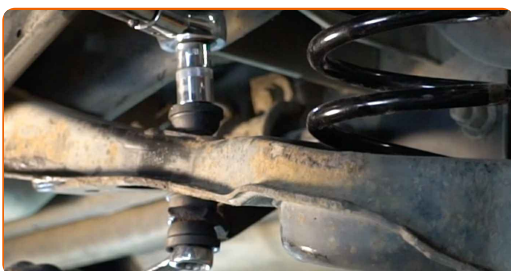
- 25** Install the transverse stabilizer link.



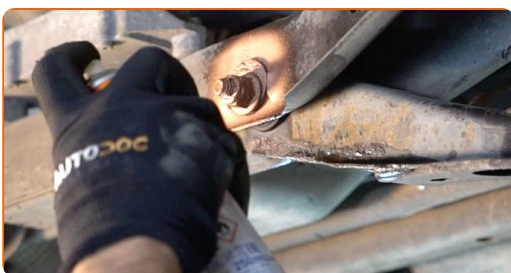
**26** Tighten the stabiliser link fastener. Use a drive socket #16. Use a combination spanner #15.



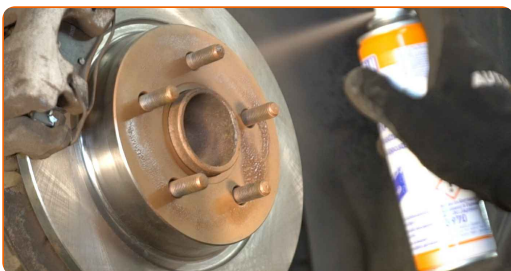
**27** Tighten the fastener connecting the stabilizer link to the stabilizer bar. Use a drive socket #15. Use a combination spanner #16. Use a torque wrench. Tighten it to 50 nm torque.



**28** Treat all joints of the arm. Use copper grease.

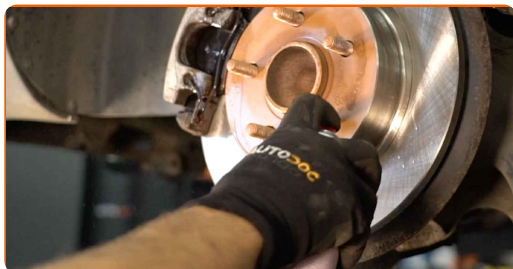


**29** Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



30

Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: coil springs – Volvo V50 MW. After applying the spray, wait a few minutes.

31

Install the wheel.

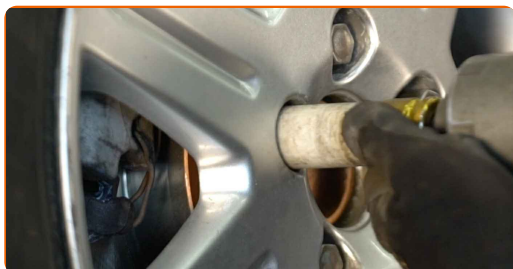


**Replacement: coil springs – Volvo V50 MW. Tip from AUTODOC:**

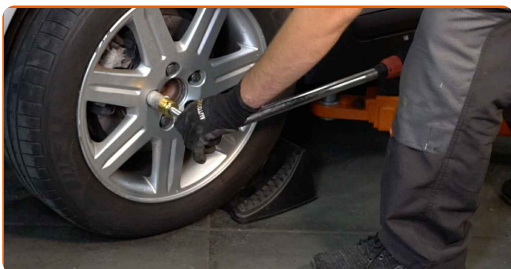
- To avoid injury, hold up the wheel when screwing in the fastening bolts.

32

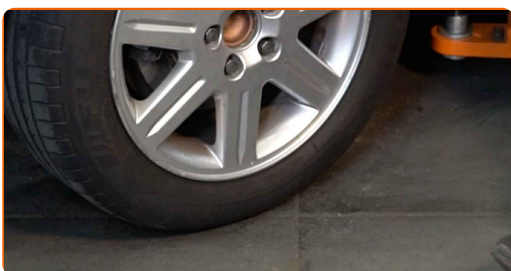
Screw in the wheel bolts. Use wheel impact socket #19.



- 33** Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 110 Nm torque.



- 34** Remove the jacks and chocks.



**WELL DONE!** 

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