



How to change rear coil  
springs on **Opel Meriva**  
**X03** – replacement guide

## VIDEO TUTORIAL



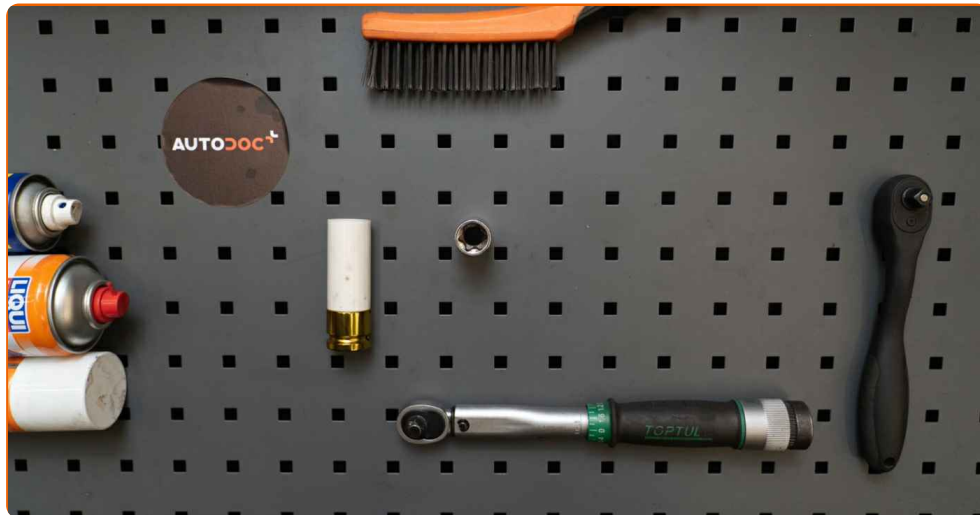
### Important!

This replacement procedure can be used for:

OPEL Meriva A (X03) 1.8 (E75), OPEL Meriva A (X03) 1.7 DTI (E75), OPEL Meriva A (X03) 1.6 (E75), OPEL Meriva A (X03) 1.7 CDTI (E75), OPEL Meriva A (X03) 1.4 16V Twinport (E75), OPEL Meriva A (X03) 1.3 CDTI (E75)

The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – OPEL MERIVA X03.  
TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Drive socket # E18
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Hydraulic transmission jack
- Wheel chock

**BUY TOOLS**

Replacement: coil springs – Opel Meriva X03. 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.
- Please note: all work on the car – Opel Meriva X03 – should be done with the engine switched off.

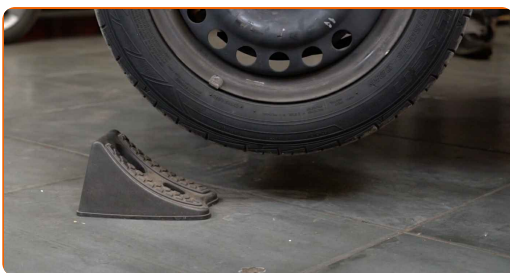
**CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:**

**1** Secure the wheels with chocks.

**2** Loosen the wheel mounting bolts. Use wheel impact socket #17.



**3** Raise the rear of the car and secure on supports.



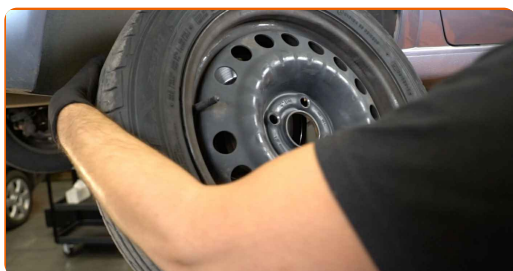
**4** Unscrew the wheel bolts.



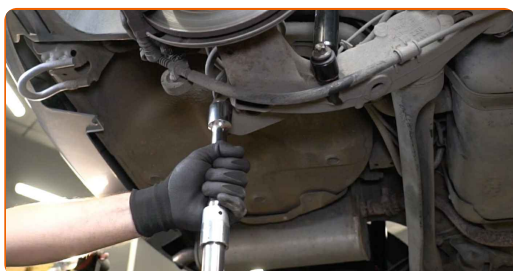
**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
Opel Meriva X03

**5** Remove the wheel.



**6** Support the rear suspension beam. Use a hydraulic transmission jack.



**7** Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.



8

Unscrew the upper fastener of the shock absorber. Use a drive socket #E18. Use a tap wrench.



**AUTODOC recommends:**

- Important! Hold the shock absorber while unscrewing the fastening bolts. Opel Meriva X03

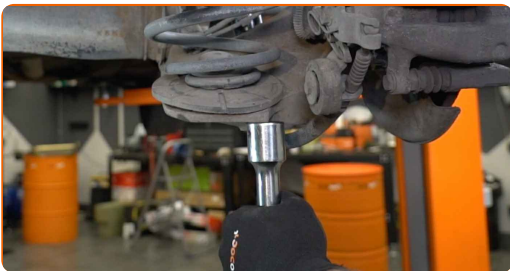
9

Remove the fastening bolt.



10

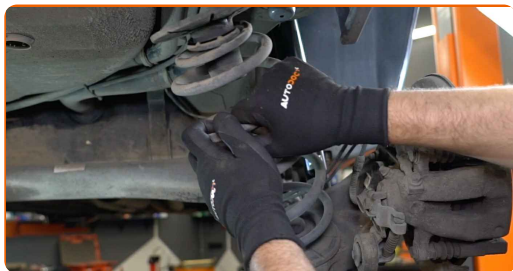
Remove the mounting from under the rear axle beam.



**AUTODOC recommends:**

- Replacement: coil springs – Opel Meriva X03. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

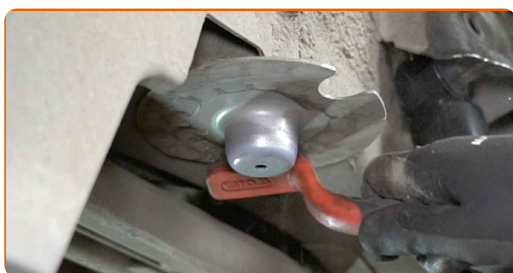
**11** Remove the spring.



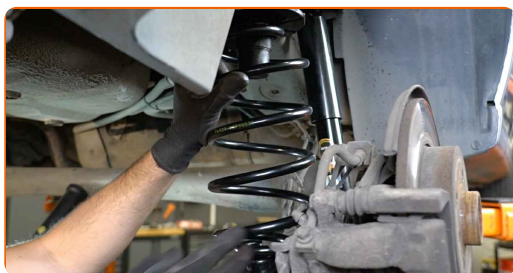
**Replacement: coil springs – Opel Meriva X03. Tip:**

- Inspect the rubber mounts of the suspension spring. Replace if necessary.

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



**13** Install the coil spring together with the rubber mounts into the mounting seats.



**14** Support the rear suspension beam. Use a hydraulic transmission jack.



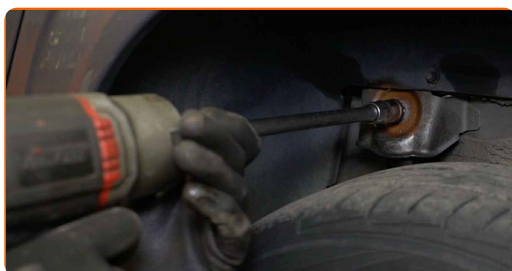
**15** Install the fastening bolt.



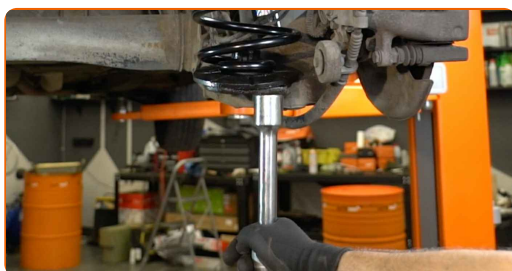
**AUTODOC recommends:**

- Opel Meriva X03 – To avoid injury, hold the shock absorber while screwing in the fastening bolts.

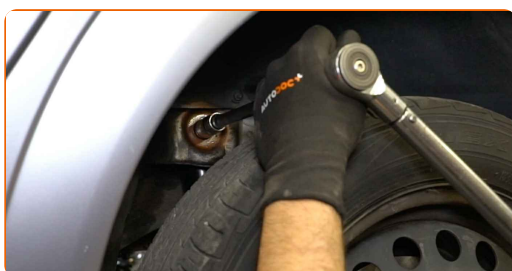
**16** Screw the upper fastener of the shock absorber. Use a drive socket #E18. Use a ratchet wrench.



**17** Raise the hydraulic transmission jack by 10-15 cm.

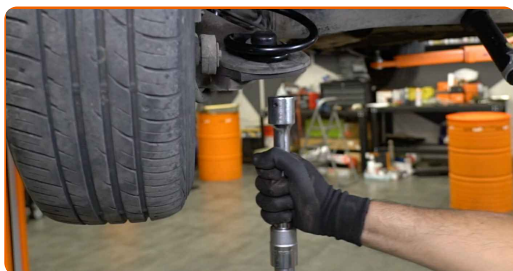


**18** Tighten the top shock absorber fastening. Use a drive socket #E18. Use a torque wrench. Tighten it to 90 Nm torque.





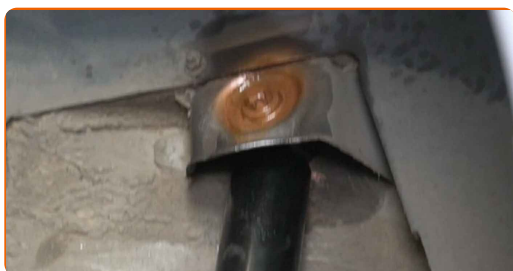
**19** Remove the mounting from under the rear axle beam.



**AUTODOC recommends:**

- Replacement: coil springs – Opel Meriva X03. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

**20** Treat the shock absorber fasteners. Use copper grease.

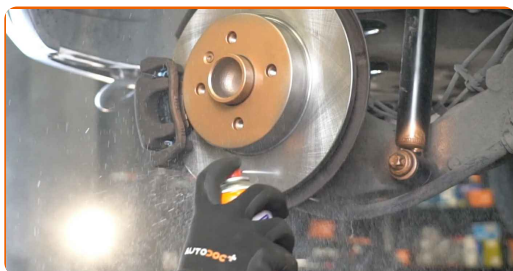


**21** Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



22

Clean the brake disk surface. Use a wire brush. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: coil springs – Opel Meriva X03. After applying the spray, wait a few minutes.

23

Install the wheel.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Opel Meriva X03

24

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



**25**

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 110 nm torque.

**26**

Remove the jacks and chocks.



**WELL DONE!** 

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