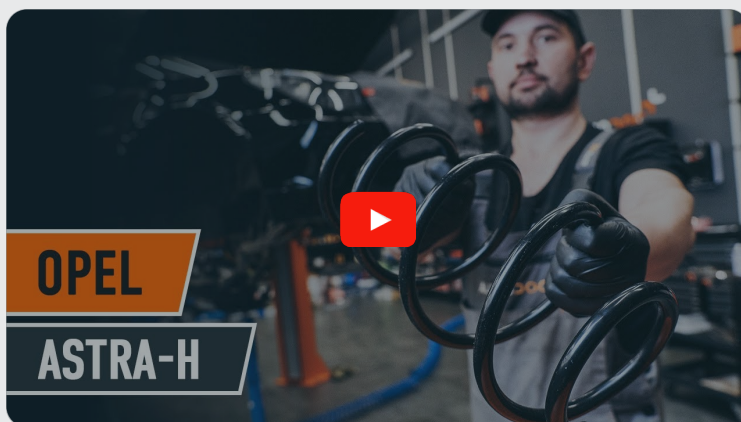




How to change rear coil  
springs on **VAUXHALL**  
**Astra Mk V (H) TwinTop**  
**(A04)** – replacement  
guide

### SIMILAR VIDEO TUTORIAL



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

#### **Important!**

This replacement procedure can be used for:

VAUXHALL Astra Mk V (H) TwinTop (A04) 2.0, VAUXHALL Astra Mk V (H) TwinTop (A04) 1.6 i 16V, VAUXHALL Astra Mk V (H) TwinTop (A04) 1.8, VAUXHALL Astra Mk V (H) TwinTop (A04) 2.0 Turbo, VAUXHALL Astra Mk V (H) TwinTop (A04) 1.9 CDTi

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: OPEL Astra H Saloon (A04) 1.6 (L69)

REPLACEMENT: COIL SPRINGS – VAUXHALL ASTRA MK V (H) TWINTOP (A04). TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Drive socket # E20
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Crow bar
- Hydraulic transmission jack
- Wheel chock

**Buy tools**

Replacement: coil springs – VAUXHALL Astra Mk V (H) TwinTop (A04).  
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 – VAUXHALL Astra Mk V (H) TwinTop (A04) – 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:**

- Important! Hold the wheel while unscrewing the fastening bolts. VAUXHALL Astra Mk V (H) TwinTop (A04)

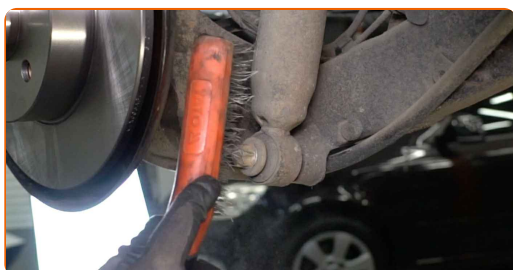
5

Remove the wheel.



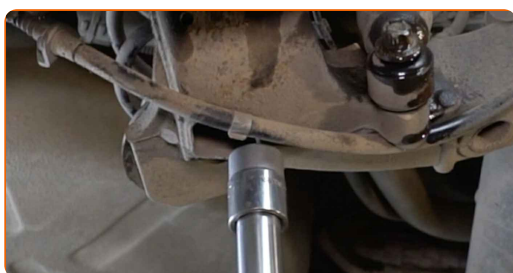
6

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



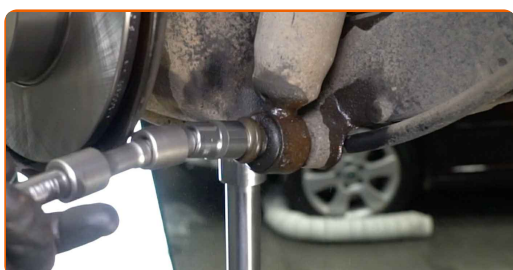
7

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



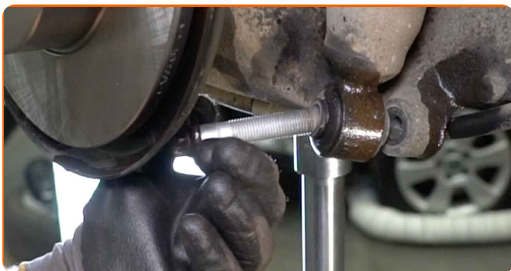
8

Unscrew the lower fastener of the shock absorber. Use a drive socket #E20. Use a tap wrench. Use a ratchet wrench.



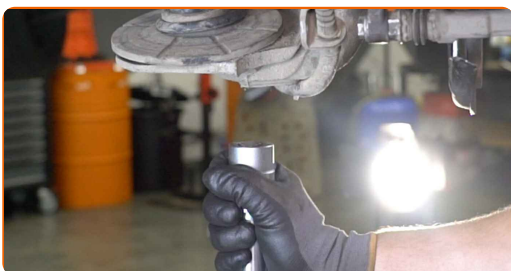
9

Remove the fastening bolt.



10

Remove the mounting from under the rear axle beam.



**AUTODOC recommends:**

- Replacement: coil springs – VAUXHALL Astra Mk V (H) TwinTop (A04). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

11

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



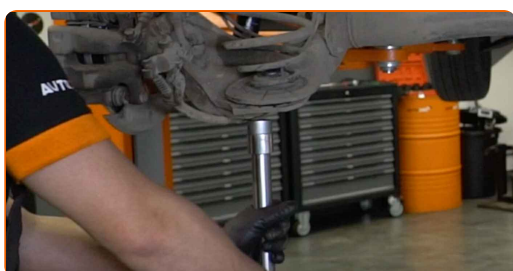
- 12** Unscrew the lower fastener of the shock absorber. Use a drive socket #E20. Use a tap wrench. Use a ratchet wrench.



- 13** Remove the fastening bolt.



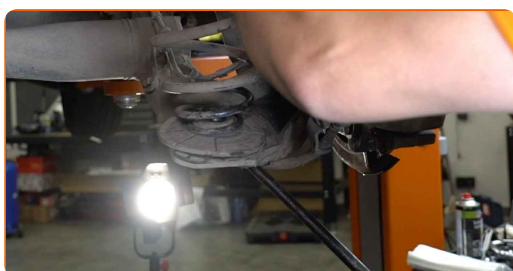
- 14** Remove the mounting from under the rear axle beam.



**AUTODOC recommends:**

- VAUXHALL Astra Mk V (H) TwinTop (A04) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

- 15** Pull down the rear suspension beam. Use a crowbar.



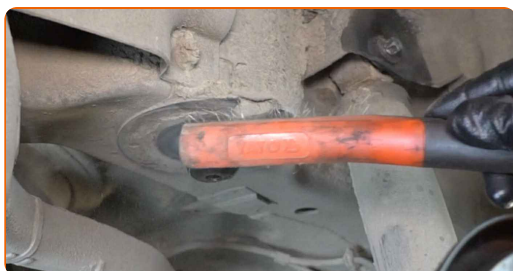
**16** Remove the spring.



Replacement: coil springs – VAUXHALL Astra Mk V (H) TwinTop (A04). Tip from AUTODOC:

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

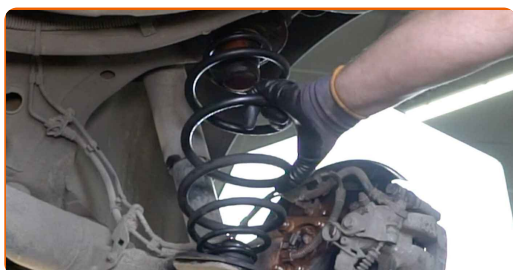
**17** Clean the coil spring mounting seats. Use a wire brush. Use WD-40 spray.



**18** Pull down the rear suspension beam. Use a crowbar.



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





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



**21** Install the fastening bolt.



**22** Tighten the lower fastener of the shock absorber. Use a drive socket #E20. Use a torque wrench. Tighten it to 130 Nm torque.



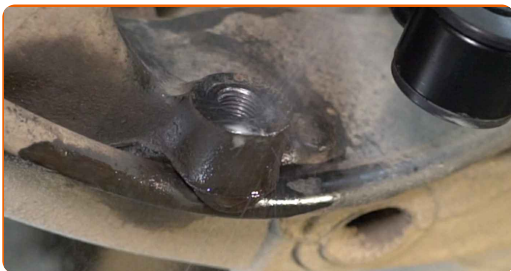
**23** Remove the mounting from under the rear axle beam.



**AUTODOC recommends:**

- Replacement: coil springs – VAUXHALL Astra Mk V (H) TwinTop (A04). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

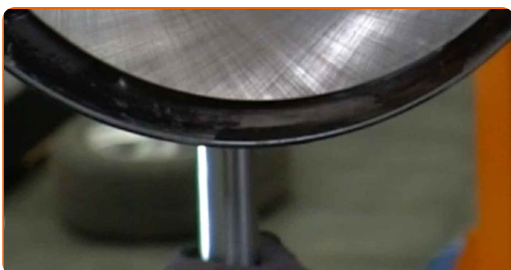
**24** Clean the shock absorber mounting seats. Use a wire brush. Use WD-40 spray.



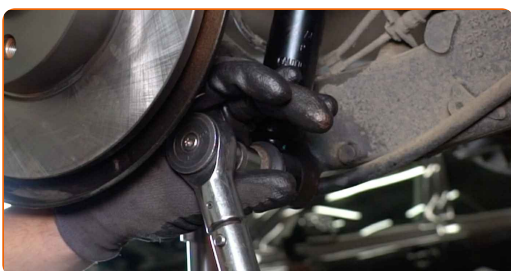
**25** Install the fastening bolt.



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



**27** Tighten the lower fastener of the shock absorber. Use a drive socket #E20. Use a torque wrench. Tighten it to 130 Nm torque.



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

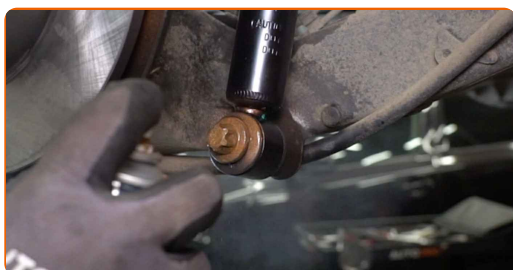


**AUTODOC recommends:**

- VAUXHALL Astra Mk V (H) TwinTop (A04) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

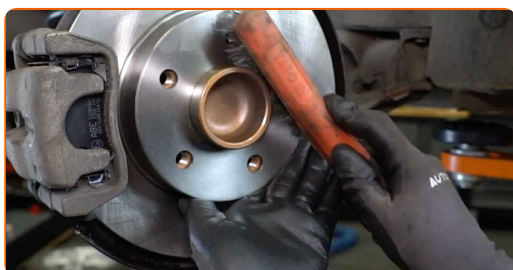
**29**

Treat the shock absorber fasteners. Use copper grease.



**30**

Clean the wheel rim mounting seat. Use a wire brush.



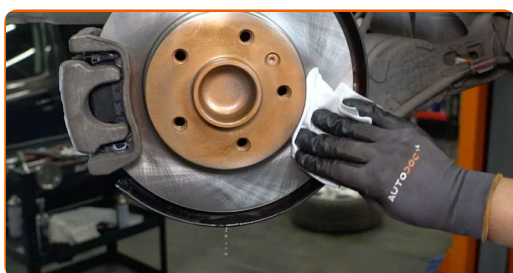
**31**

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



**32**

Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: coil springs – VAUXHALL Astra Mk V (H) TwinTop (A04). After applying the spray, wait a few minutes.

**33**

Install the wheel.



**AUTODOC recommends:**

- Important! Hold the wheel while screwing in the fastening bolts. VAUXHALL Astra Mk V (H) TwinTop (A04)

**34**

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



**35**

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.



36

Remove the jacks and chocks.



**WELL DONE!** 

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