



How to change rear coil  
springs on **Nissan Micra**  
**K12** – replacement guide

## VIDEO TUTORIAL

** Important!**

This replacement procedure can be used for:

NISSAN MICRA III (K12) 1.2 16V, NISSAN MICRA III (K12) 1.5 dCi, NISSAN MICRA III (K12) 1.0 16V, NISSAN MICRA III (K12) 1.6 SR 160

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The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – NISSAN MICRA K12.  
 TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Ceramic grease
- Torque wrench
- Drive socket # 16
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Hydraulic transmission jack
- Wheel chock

**BUY TOOLS**

Replacement: coil springs – Nissan Micra K12. Professionals 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.

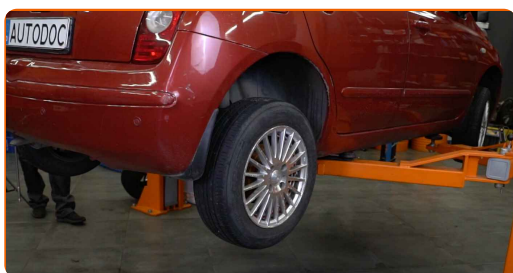
**REPLACEMENT: COIL SPRINGS – NISSAN MICRA K12. TAKE THE FOLLOWING STEPS:**

**1** Secure the wheels with chocks.

**2** Loosen the wheel bolts. Use wheel impact socket #17. Use a tap wrench.



**3** Raise the car.



Replacement: coil springs – Nissan Micra K12. AUTODOC recommends:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

4

Unscrew the wheel bolts.

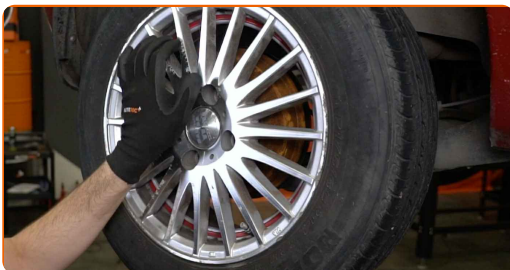


AUTODOC recommends:

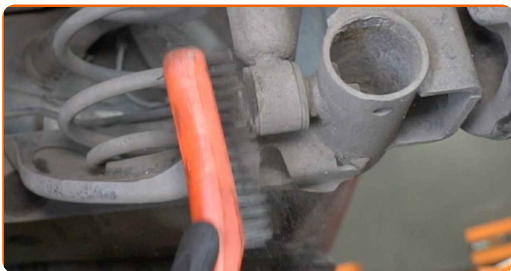
- To avoid injury, hold up the wheel when unscrewing the bolts.

5

Remove the wheel.



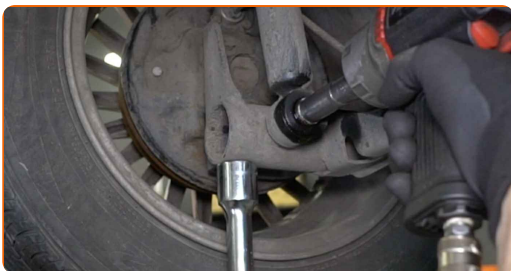
**6** Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.



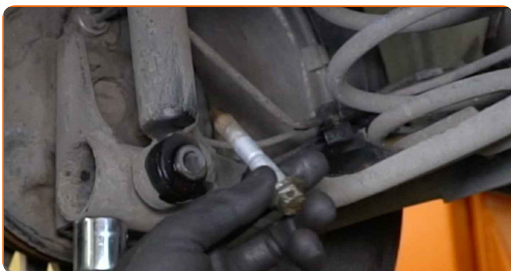
**7** Support the rear suspension beam. Use a hydraulic transmission jack.



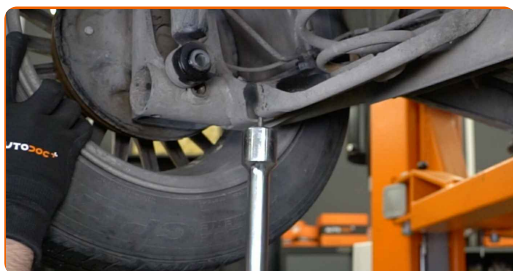
**8** Unscrew the lower fasteners of the shock absorber. Use a drive socket #16. Use a ratchet wrench.



**9** Remove the fastening bolt.



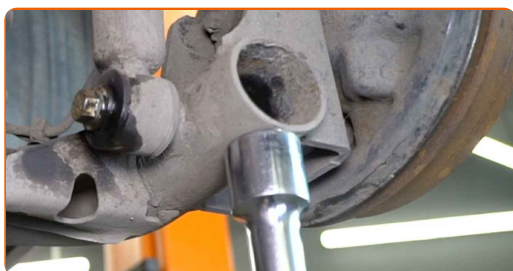
**10** Remove the support from under the rear axle beam.



**AUTODOC recommends:**

- Nissan Micra K12 – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

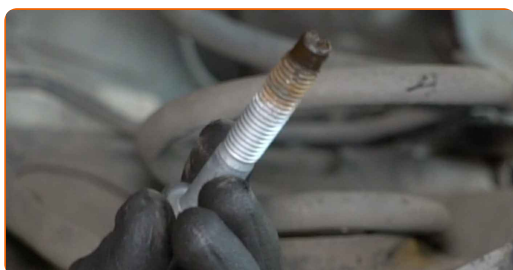
**11** Support the rear suspension beam. Use a hydraulic transmission jack.



**12** Unscrew the lower fasteners of the shock absorber. Use a drive socket #16. Use a ratchet wrench.



**13** Remove the fastening bolt.

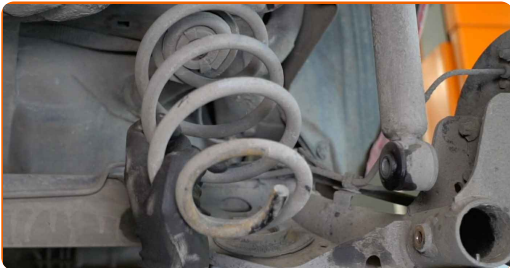


**14** Remove the support from under the rear axle beam.

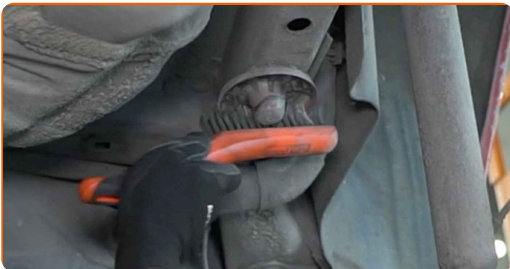
**AUTODOC recommends:**

- Do not lower the transmission jack too much to avoid damaging the brake hoses.

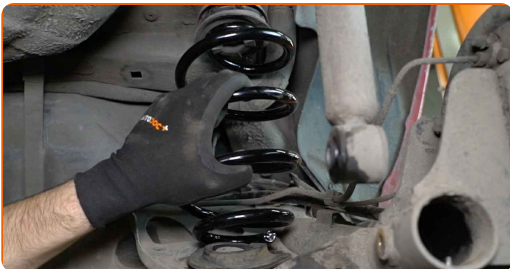
**15** Remove the springs.



**16** Clean the springs' mounting seats. Use a wire brush. Use all-purpose cleaning spray.



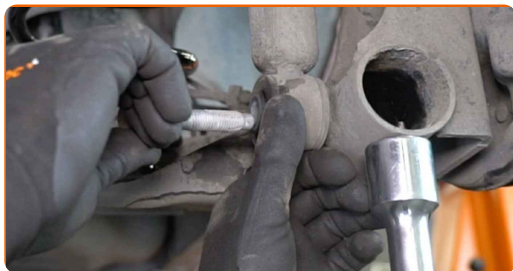
**17** Install the new springs together with the rubber mounts in their mounting seats.



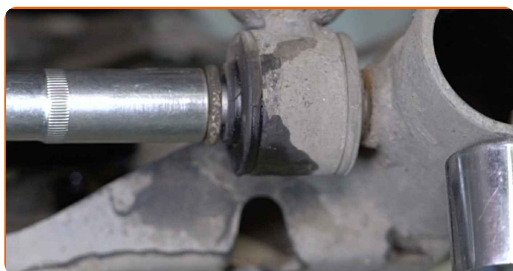
**18** Support the rear suspension beam. Use a hydraulic transmission jack.



**19** Install the fastening bolt.



**20** Screw in the lower fastener of the shock absorber. Use a drive socket #16. Use a ratchet wrench.



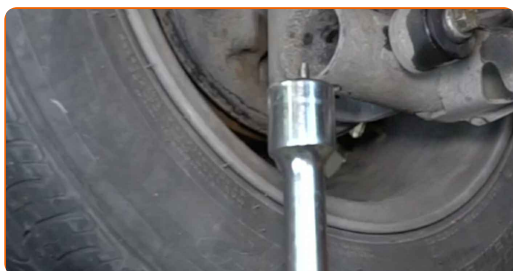
**AUTODOC recommends:**

- For tightening the fasteners correctly, you have to jack up the suspension components to their working position.

**21** Tighten the lower fastener of the shock absorber. Use a drive socket #16. Use a torque wrench. Tighten it to 100 Nm torque.



**22** Remove the support from under the rear axle beam.

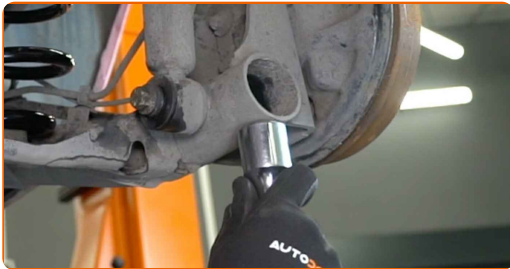


**AUTODOC recommends:**

- Replacement: coil springs – Nissan Micra K12. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

**23**

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



**24**

Install the fastening bolt.

**25**

Screw in the lower fastener of the shock absorber. Use a drive socket #16. Use a ratchet wrench.

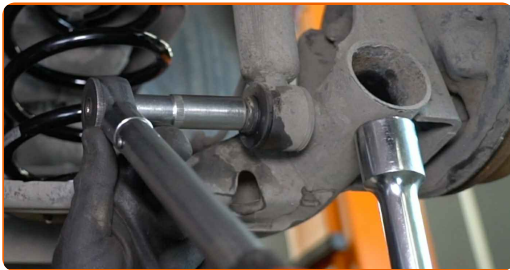


**Replacement: coil springs – Nissan Micra K12. AUTODOC experts recommend:**

- For tightening the fasteners correctly, you have to jack up the suspension components to their working position.

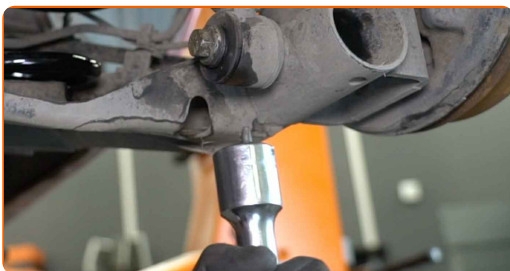
**26**

Tighten the lower fastener of the shock absorber. Use a drive socket #16. Use a torque wrench. Tighten it to 100 Nm torque.



**27**

Remove the support from under the rear axle beam.



**AUTODOC recommends:**

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

**28**

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

**29**

Tighten the lower fastener of the shock absorber. Use a drive socket #16. Use a torque wrench. Tighten it to 100 Nm torque.

**Replacement: coil springs – Nissan Micra K12. Tip from AUTODOC:**

- For tightening the fasteners correctly, you have to jack up the suspension components to their working position.

**30**

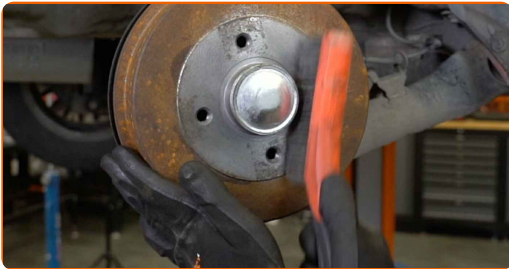
Remove the support from under the rear axle beam.

**AUTODOC recommends:**

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

**31**

Clean the wheel rim mounting seat. Use a wire brush. Use all-purpose cleaning spray.



**32**

Treat the surface where the wheel rim contacts the brake drum. Use ceramic grease.



**33**

Install the wheel.



**AUTODOC recommends:**

- Important! Hold the wheel while screwing in the fastening bolts. Nissan Micra K12

34

Screw in the wheel bolts. Use wheel impact socket #17. Use a ratchet wrench.



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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