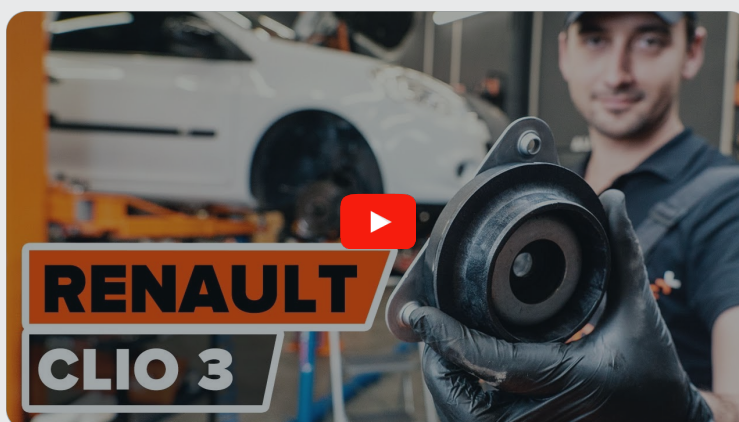




How to change front  
strut mount on **RENAULT**  
**Modus / Grand Modus**  
**(F, JP)** – replacement  
guide

### SIMILAR VIDEO TUTORIAL



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

#### **Important!**

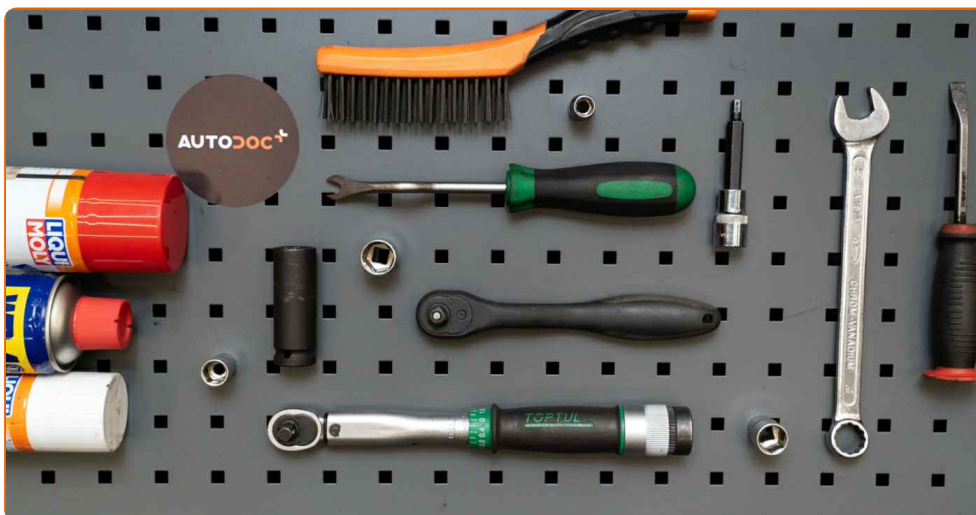
This replacement procedure can be used for:

RENAULT Modus / Grand Modus (F, JP) 1.5 dCi 75, RENAULT Modus / Grand Modus (F, JP) 1.6, RENAULT Modus / Grand Modus (F, JP) 1.5 dCi, RENAULT Modus / Grand Modus (F, JP) 1.4, RENAULT Modus / Grand Modus (F, JP) 1.2, RENAULT Modus / Grand Modus (F, JP) 1.2 16V, RENAULT Modus / Grand Modus (F, JP) 1.2 16V Hi-Flex

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: RENAULT Clio III Hatchback (BR0/1, CR0/1) 1.5 dCi

**REPLACEMENT: STRUT MOUNT – RENAULT MODUS / GRAND MODUS (F, JP). TOOLS YOU MIGHT NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #18
- Drive socket # 10
- Drive socket # 13
- Drive socket # 16
- Drive socket # 18
- HEX bit No.H6.
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Crow bar
- Clip removal tool
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Fender cover
- Wheel chock

**Buy tools**

Replacement: strut mount – RENAULT Modus / Grand Modus (F, JP). Tip from AUTODOC:

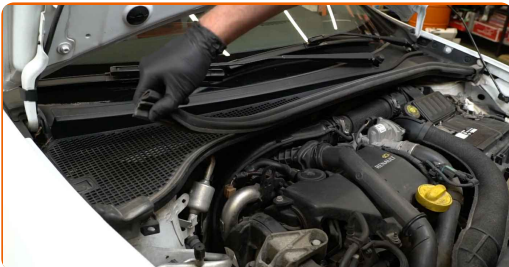
- The replacement procedure is identical for the mounts of the left and right shock struts of the front suspension.
- All mounts of the front shock struts should be replaced simultaneously.
- Warning! Shut down the engine before starting any work – RENAULT Modus / Grand Modus (F, JP)

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

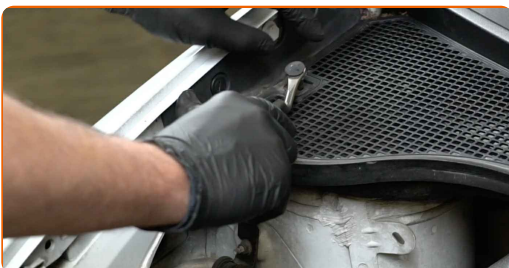
**1** Open the bonnet.

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

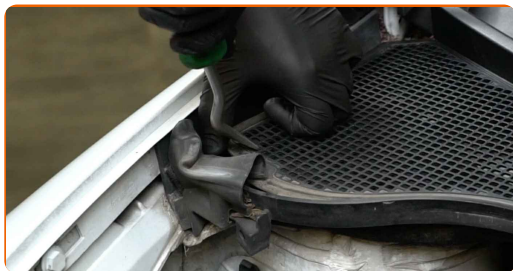
**3** Remove the cowl grille seal.



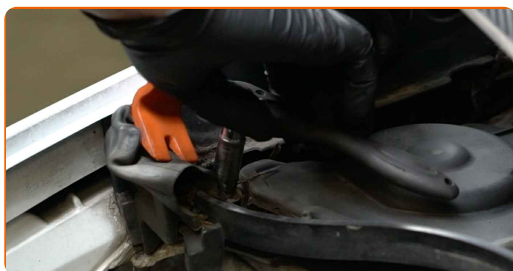
**4** Remove the cowl grille clips. Use a clip removal tool.



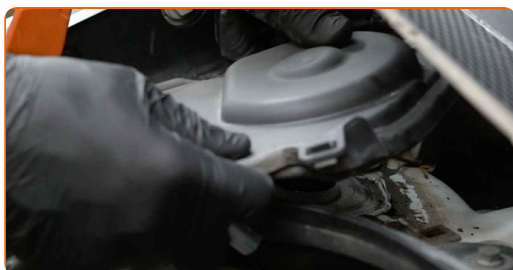
**5** Raise up and remove the cowl grille.



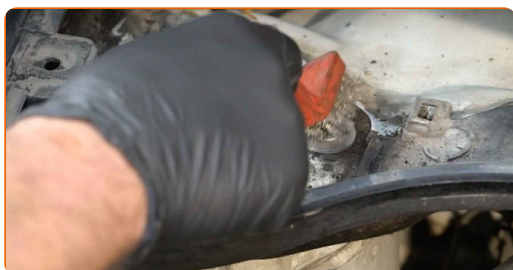
**6** Unscrew the fasteners of the suspension strut mount cover. Use a drive socket #10. Use a ratchet wrench.



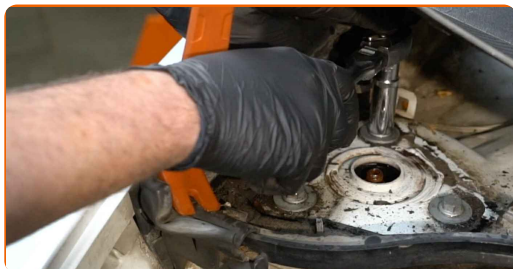
**7** Remove the protective cap from the shock absorber strut mount.



**8** Clean the fasteners of the shock strut upper mount. Use a wire brush. Use WD-40 spray.



**9** Loosen the upper fastener of the shock strut mount. Use a drive socket #13. Use a ratchet wrench.



**10** Secure the wheels with chocks.

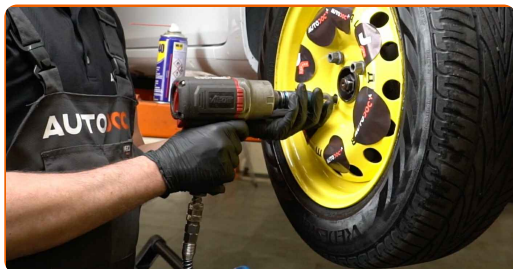


**11** Loosen the wheel mounting bolts. Use wheel impact socket #17.



**12** Raise the front of the car and secure on supports.

**13** Unscrew the wheel bolts.



Replacement: strut mount – RENAULT Modus / Grand Modus (F, JP). Tip:

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

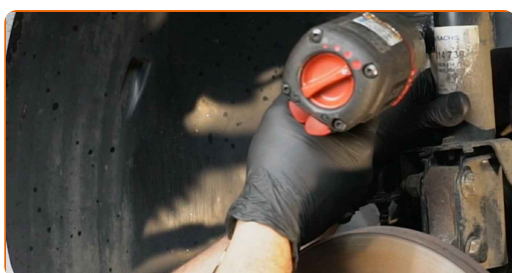
**14** Remove the wheel.



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



**16** Unscrew the fastener connecting the stabilizer link to the shock strut. Use a drive socket #16. Use a ratchet wrench.

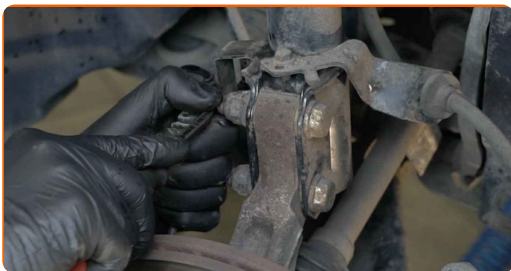


**17** Remove the stabilizer rod.

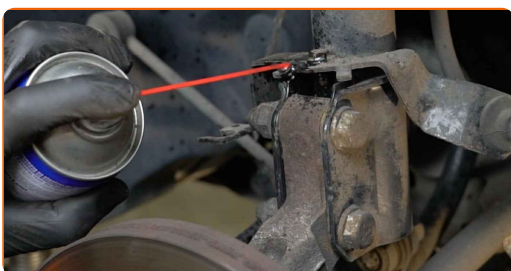




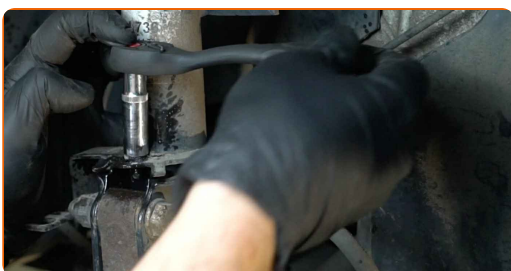
**18** Disconnect the ABS sensor wiring. Use a crowbar.



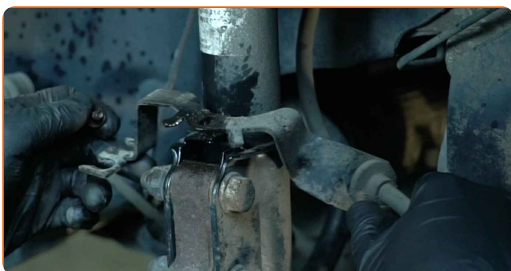
**19** Clean the fastener of the bracket that connects the brake hose to the shock strut. Use a wire brush. Use WD-40 spray.



**20** Unscrew the brake hose fastening bracket from the shock strut. Use a drive socket #10. Use a ratchet wrench.



**21** Disconnect the brake hose mounting bracket.





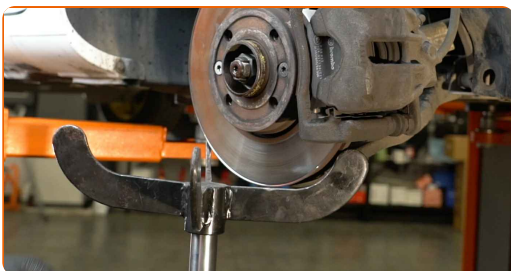
**22** Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.



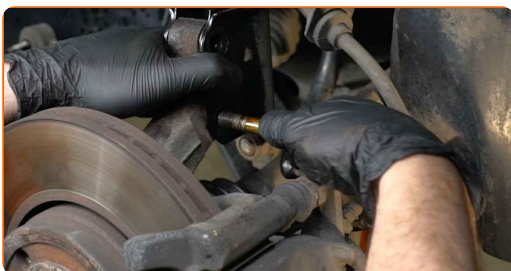
**23** Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a tap wrench.



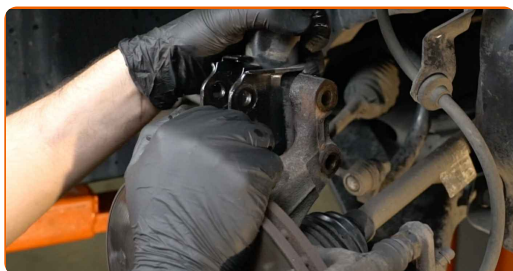
**24** Prop up the steering knuckle. Use a hydraulic transmission jack.



**25** Remove the fastening bolts.



**26** Disconnect the steering knuckle from the shock absorber strut.



**27** Unscrew the top fastening of the shock strut mount.

**AUTODOC recommends:**

- RENAULT Modus / Grand Modus (F, JP) – To avoid injury, hold the suspension strut while unscrewing the fastening bolts.

**28** Remove the suspension strut.



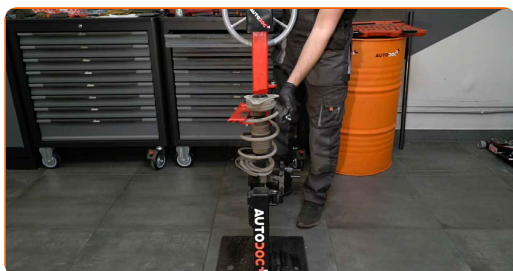
**29** Set the shock absorber strut on the spring compressor tool.



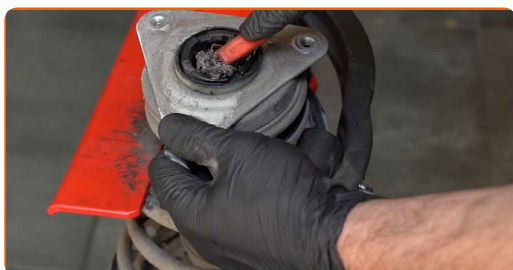
Replacement: strut mount – RENAULT Modus / Grand Modus (F, JP). Tip from AUTODOC experts:

- 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.

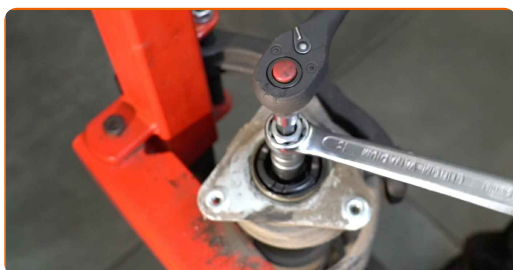
**30** Compress the spring.



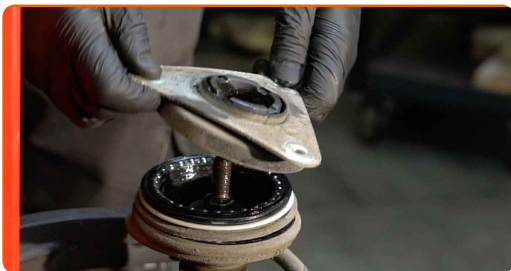
**31** Treat the shock strut rod. Use a wire brush. Use WD-40 spray.



**32** Remove the strut piston rod nut. Use HEX No.H6. Use a drive socket #18. Use a ratchet wrench.



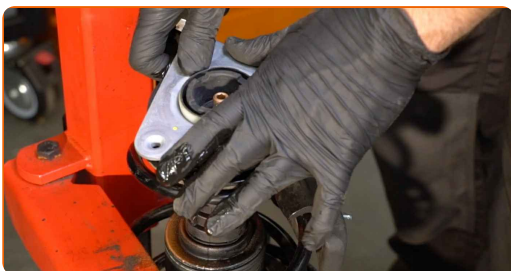
**33** Remove the top strut mount.



Replacement: strut mount – RENAULT Modus / Grand Modus (F, JP). Tip from AUTODOC:

- Examine the shock absorber dust cap and the bump stop. Replace them if necessary.

**34** Install a new top shock strut mount.



**35** Tighten the shock strut piston rod nut. Use a drive socket #18. Use HEX No.H6. Use a torque wrench. Tighten it to 62 Nm torque.



AUTODOC recommends:

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

**36** Treat the shock strut rod. Use copper grease.

**37** Decompress the spring.



**38** Remove the assembled shock strut.



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



**40** Install the shock strut into the wheel arch.



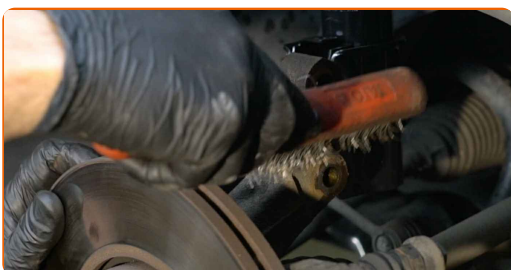
**41** Screw the top fastening of the shock strut mount. Do not tighten it.

**AUTODOC recommends:**

- Important! Hold the suspension strut while screwing in the fastening bolts.  
RENAULT Modus / Grand Modus (F, JP)

**42**

Treat the shock strut mounting seat on the steering knuckle. Use a wire brush. Use WD-40 spray.



**43**

Fix the shock absorber strut on the steering knuckle.



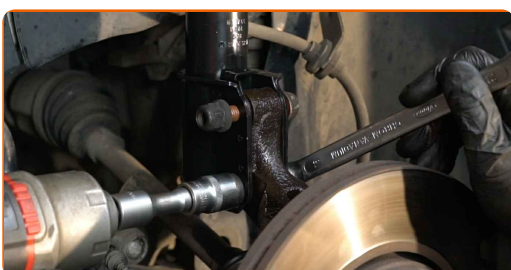
**44**

Install the fastening bolts.



**45**

Screw in the fastener that connects the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.





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

**AUTODOC recommends:**

- Replacement: strut mount – RENAULT Modus / Grand Modus (F, JP). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

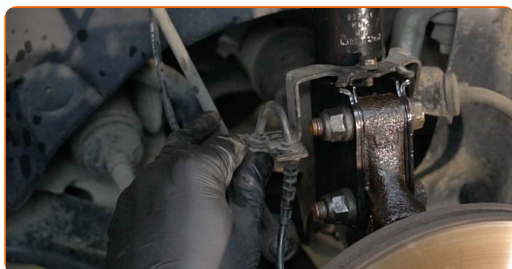
**47** Secure the brake hose fastening bracket.



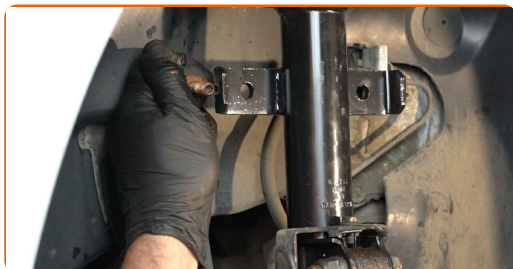
**48** Tighten the brake hose fastening bracket to the shock strut. Use a drive socket #10. Use a ratchet wrench.



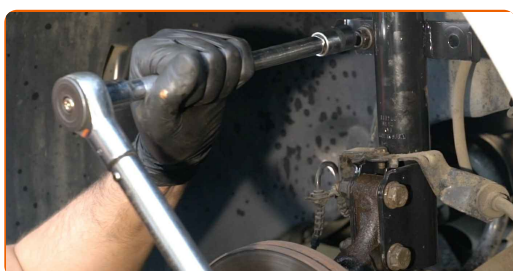
**49** Connect the ABS sensor wiring.



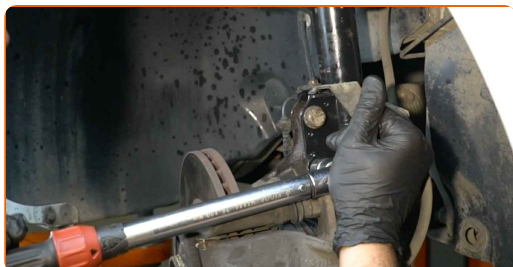
**50** Install the transverse stabilizer link.



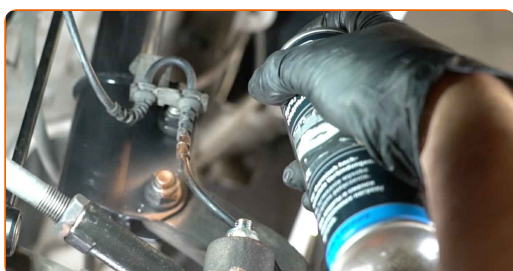
**51** Tighten the fastener connecting the stabilizer link to the shock strut. Use a drive socket #16. Use a torque wrench. Tighten it to 44 Nm torque.



**52** Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 105 Nm torque.



**53** Treat the shock strut fasteners. Use copper grease.



**54**

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



**55**

Clean the brake disk surface. Use a brake cleaner.

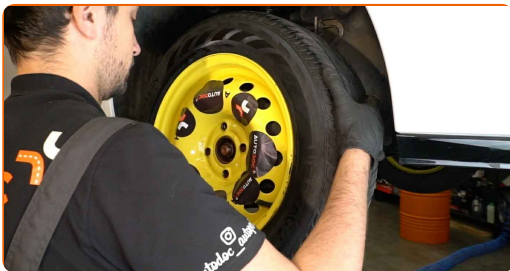


**AUTODOC recommends:**

- Replacement: strut mount – RENAULT Modus / Grand Modus (F, JP). After applying the spray, wait a few minutes.

**56**

Install the wheel.



**Replacement: strut mount – RENAULT Modus / Grand Modus (F, JP).  
Professionals recommend:**

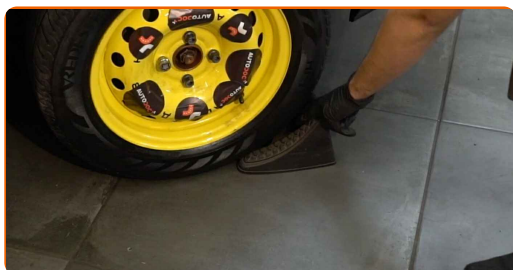
- To avoid injury, hold up the wheel when screwing in the fastening bolts.

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

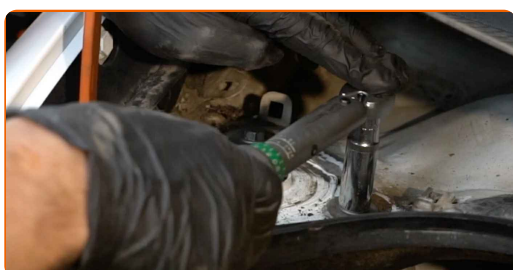


**58** Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 105 Nm torque.

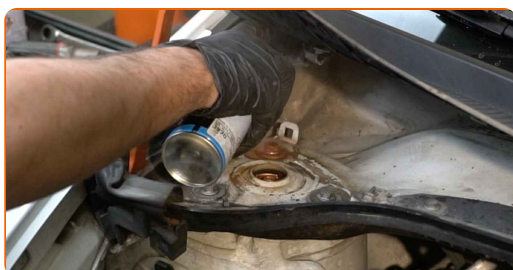
**59** Remove the jacks and chocks.



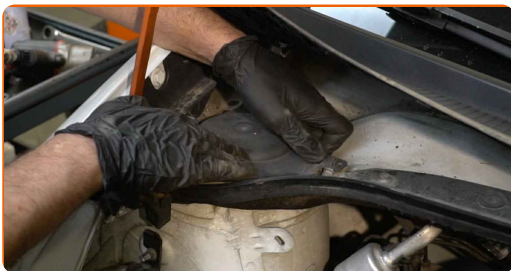
**60** Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #13. Use a torque wrench. Tighten it to 21 Nm torque.



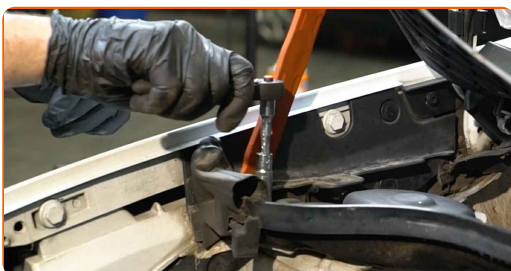
**61** Treat the fasteners of the shock strut mount. Use copper grease.



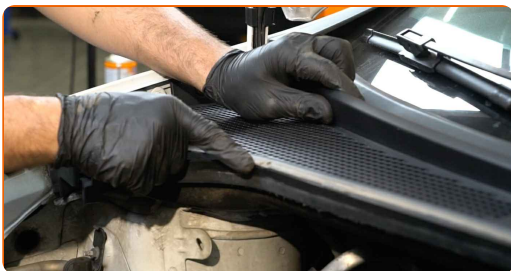
**62** Install the protective cap onto the shock absorber strut mount.



**63** Screw in the fasteners of the suspension strut mount cover. Use a drive socket #10. Use a ratchet wrench.



**64** Install and secure the cowl grille.



**65** Install the cowl grille clips.

**66** Install the cowl grille seal.



**67** Remove the fender protection cover.

68

Close the hood.

**WELL DONE!** 

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