



How to change front  
upper arm on **ALFA  
ROMEO SPIDER (939)** –  
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:

ALFA ROMEO SPIDER (939) 2.2 JTS, ALFA ROMEO SPIDER (939) 3.2 JTS Q4, ALFA ROMEO SPIDER (939) 2.4 JTDM, ALFA ROMEO SPIDER (939) 3.2 JTS

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: ALFA ROMEO 159 Sportwagon (939) 2.2 JTS

REPLACEMENT: FRONT UPPER ARM – ALFA ROMEO SPIDER (939). TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Combination spanner #18
- Drive socket # 16
- Drive socket # 18
- Drive socket # E18
- Drive socket # 21
- HEX bit No.H6.
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Crow bar
- Ball joint puller
- Hydraulic transmission jack
- Fender cover
- Wheel chock

**Buy tools**

Replacement: front upper arm – ALFA ROMEO SPIDER (939). AUTODOC recommends:

- The replacement procedure is identical for the right and left upper control arms.
- All work should be done with the engine stopped.

## REPLACEMENT: FRONT UPPER ARM – ALFA ROMEO SPIDER (939). USE THE FOLLOWING PROCEDURE:

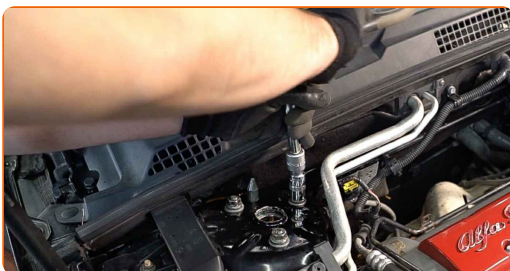
**1** Open the hood.

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

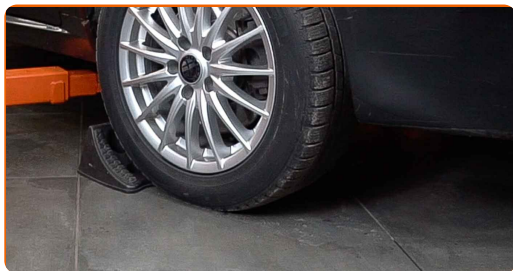
**3** Clean the fasteners of the shock strut upper mount. Use a wire brush. Use WD-40 spray.



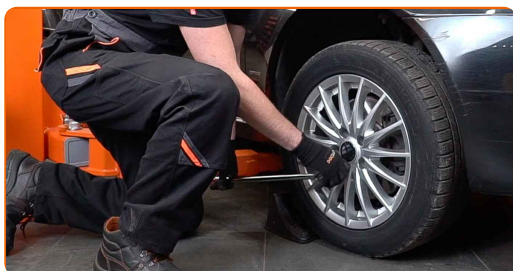
**4** Loosen the upper fastener of the shock strut mount. Use a drive socket #16. Use a ratchet wrench.



**5** Secure the wheels with chocks.



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



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

**8** Unscrew the wheel bolts.



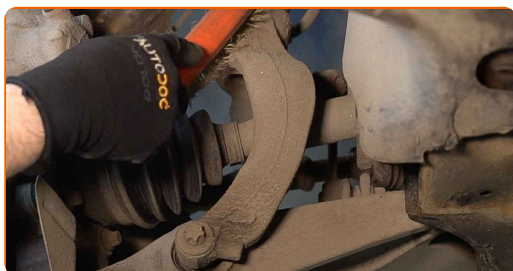
Replacement: front upper arm – ALFA ROMEO SPIDER (939). Tip:

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

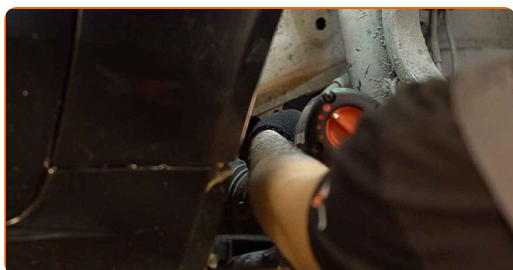
9 Remove the wheel.



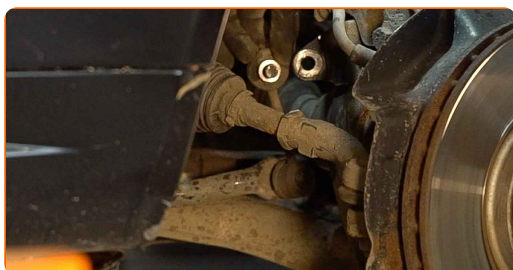
10 Clean all joints of the arm. Clean the shock strut fasteners. Use a wire brush. Use WD-40 spray.



11 Undo the fastening nut that attaches the stabilizer link to the shock absorber fork. Use a drive socket #18.



12 Remove the stabilizer rod.



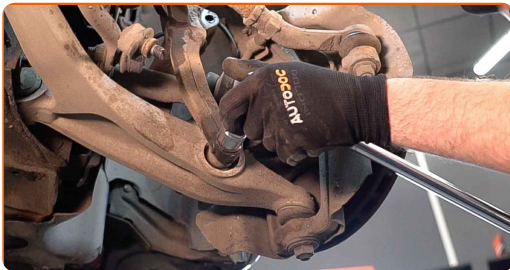
**13**

Unscrew the fastening bolt that connects the shock strut with the shock absorber fork. Use a drive socket #18. Use a tap wrench.



**14**

Unscrew the fastening bolt that connects the shock absorber fork with the lower control arm. Use a drive socket #21. Use a tap wrench.



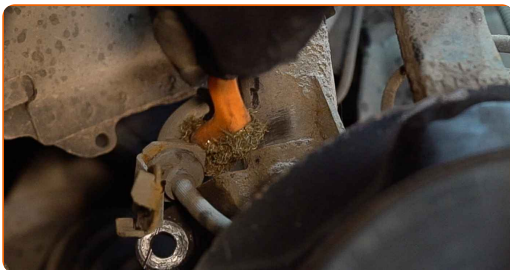
**15**

Remove the fastening bolt.

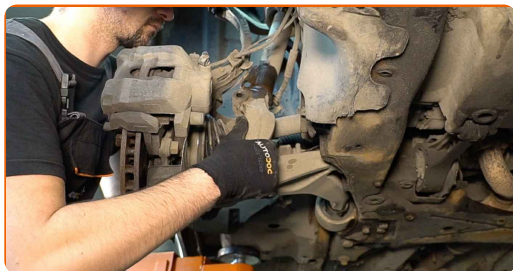


**16**

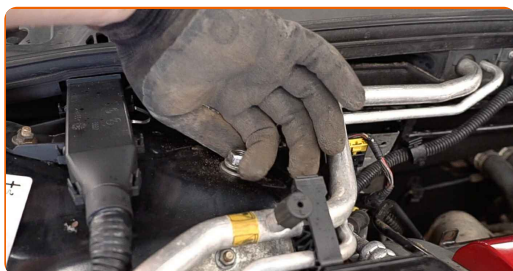
Clean the fastener that attaches the shock absorber fork to the shock strut. Use a wire brush. Use WD-40 spray.



**17** Detach the shock absorber fork from the shock strut.



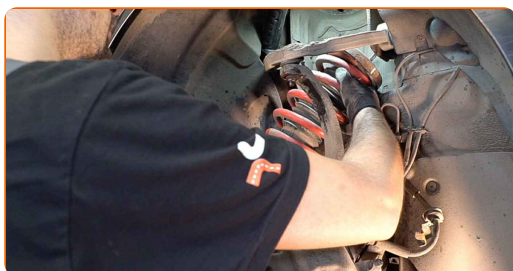
**18** Unscrew the top fastening of the shock strut mount.



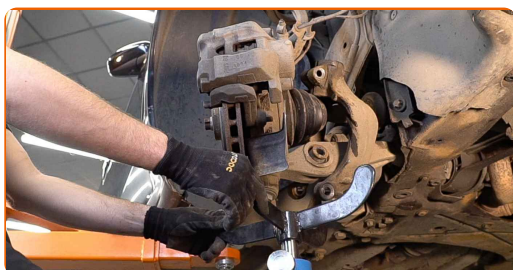
Replacement: front upper arm – ALFA ROMEO SPIDER (939). AUTODOC experts recommend:

- To avoid injuries, hold the shock strut when undoing the fastening bolts.

**19** Remove the suspension strut.



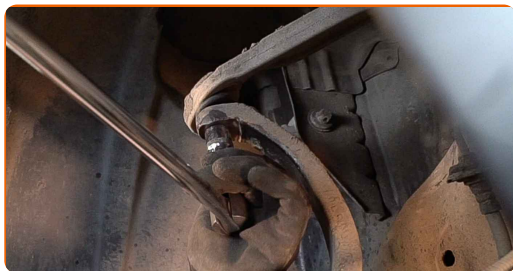
**20** Support the arm. Use a hydraulic transmission jack.





21

Unscrew the fasteners of the ball joint. Use a drive socket #16. Use a ratchet wrench.



22

Disconnect the ball joint from the steering knuckle. Use a ball joint puller.



23

Clean the control arm fasteners. Use a wire brush. Use WD-40 spray.



24

Unscrew the upper control arm fasteners (2 pieces). Use a drive socket #E18. Use a tap wrench.



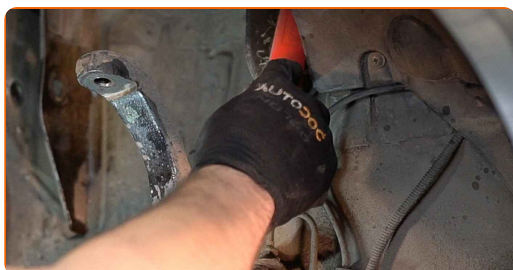
**25** Remove the fastening bolts.



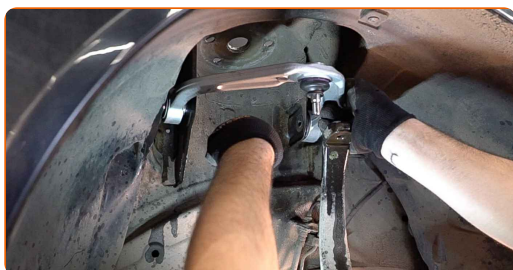
**26** Remove the arm. Use a crowbar.



**27** Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.



**28** Install a new arm.

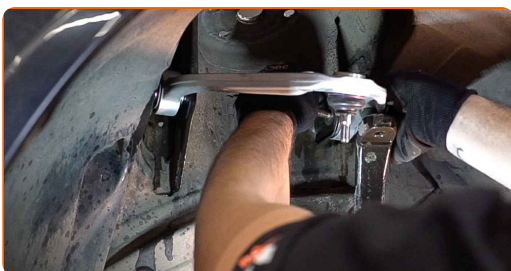


Replacement: front upper arm – ALFA ROMEO SPIDER (939). Tip from AUTODOC:

- During the installation process, use only new bolts and nuts.
- Do not damage the ball joint cover.

29

Install the control arm fasteners.



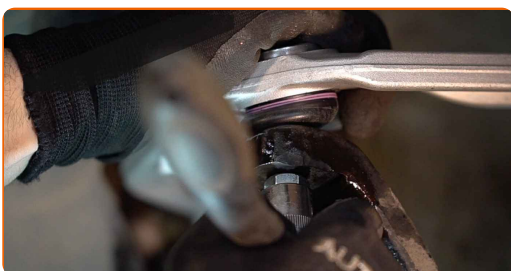
30

Connect the ball joint to the steering knuckle.

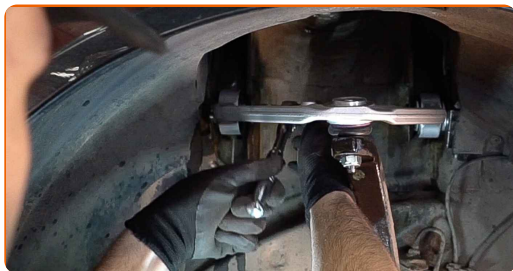


31

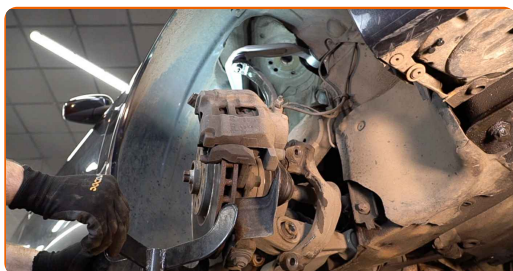
Screw the fasteners of the ball joint. Use a drive socket #18. Use a ratchet wrench.



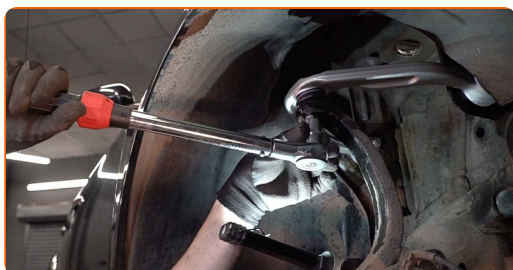
**32** Screw in the fastener of the upper control arm (2 pieces). Use a drive socket #E18. Use a ratchet wrench.



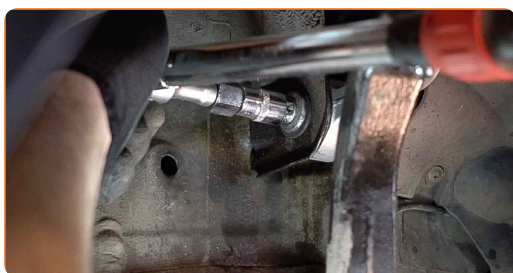
**33** Raise the hydraulic transmission jack by 10-15 cm.



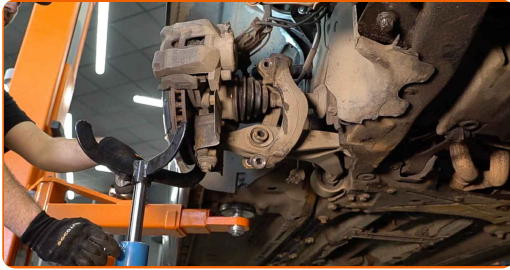
**34** Tighten the ball joint fastener. Use a drive socket #18. Use a torque wrench. Tighten it to 45 Nm torque.



**35** Tighten the upper control arm fasteners (2 pieces). Use a drive socket #E18. Use a torque wrench. Tighten it to 85 nm torque.



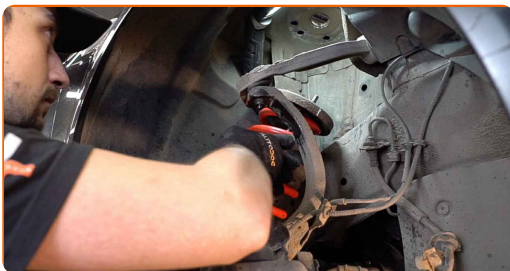
**36** Remove the support from under the arm.



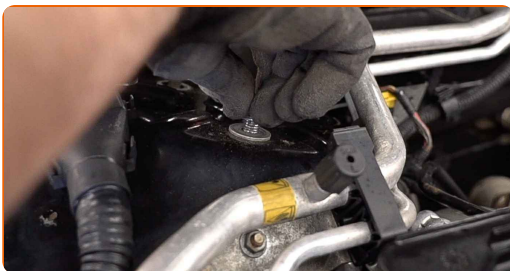
**AUTODOC recommends:**

- Replacement: front upper arm – ALFA ROMEO SPIDER (939). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

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



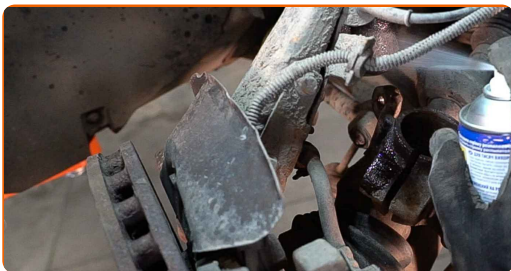
**38** Screw the top fastening of the shock strut mount. Do not tighten it.



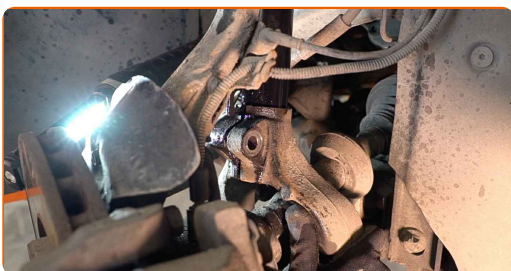
**Replacement: front upper arm – ALFA ROMEO SPIDER (939). Professionals recommend:**

- To avoid injuries, hold the shock strut when screwing the fastening bolts in.

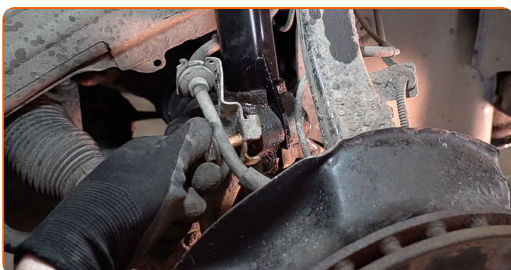
**39** Clean the mounting seats of the shock absorber fork. Use a wire brush. Use WD-40 spray.



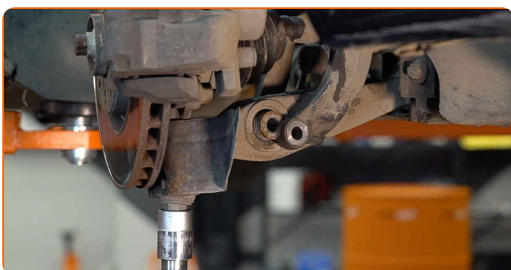
**40** Attach the shock absorber fork to the shock strut.



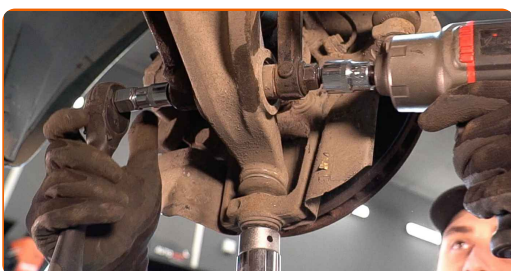
**41** Install the fastening bolt.



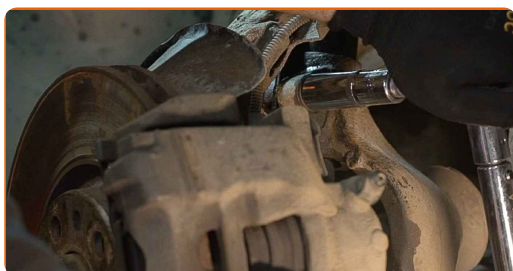
**42** Support the arm. Use a hydraulic transmission jack.



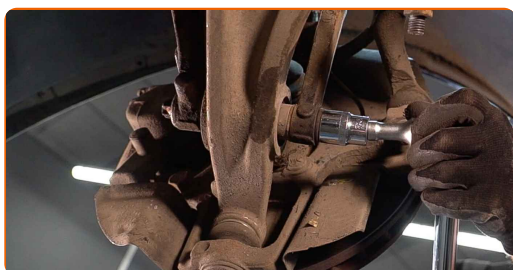
**43** Screw in the fastener connecting the shock absorber fork to the lower control arm. Use a drive socket #21. Use a tap wrench.



- 44** Tighten the fastening bolt that connects the shock strut with the shock absorber fork. Use a drive socket #18. Use a torque wrench. Tighten it to 77 Nm torque.



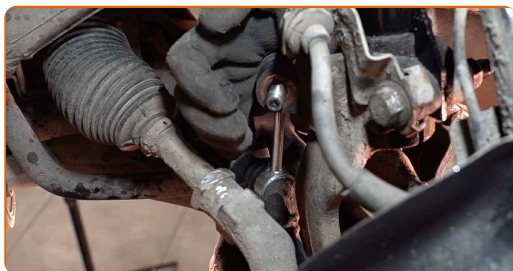
- 45** Tighten the fastening bolt that connects the shock absorber fork to the lower control arm. Use a drive socket #21. Use a torque wrench. Tighten it to 55 Nm torque.+45°



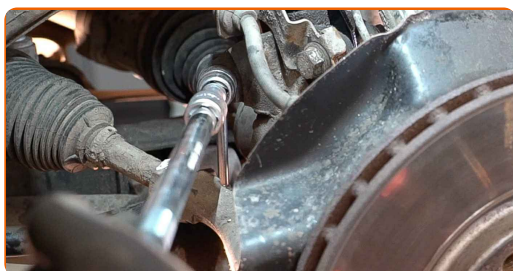
**AUTODOC recommends:**

- Important! Be sure to use new fasteners.

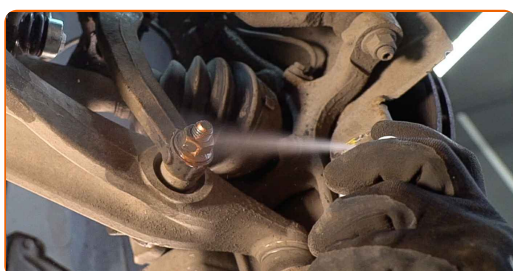
- 46** Install the transverse stabilizer link.



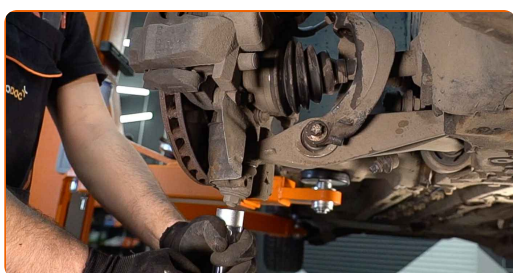
- 47** Tighten the fastener connecting the stabilizer link with the shock absorber fork. Use a combination spanner #18. Use HEX No.H6. Use a torque wrench. Tighten it to 60 Nm torque.



- 48** Treat all joints of the arm. Treat the shock strut fasteners. Use copper grease.



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



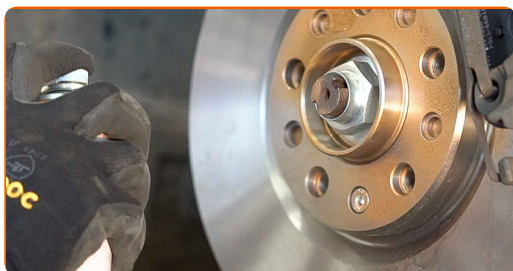
**AUTODOC recommends:**

- ALFA ROMEO SPIDER (939) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.



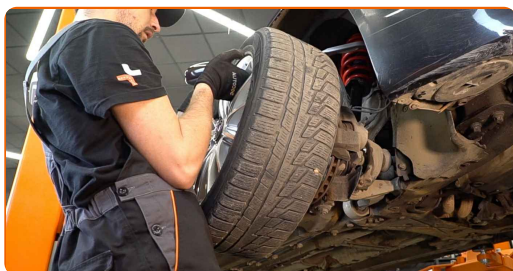
50

Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.



51

Install the wheel.

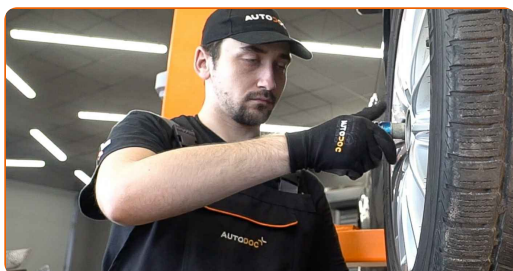


Replacement: front upper arm – ALFA ROMEO SPIDER (939). Tip from AUTODOC:

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

52

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

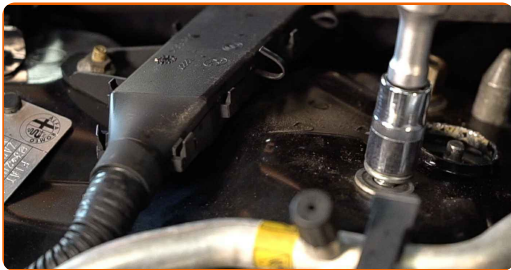


53

Lower the car.

**54**

Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #16. Use a torque wrench. Tighten it to 44 Nm torque.



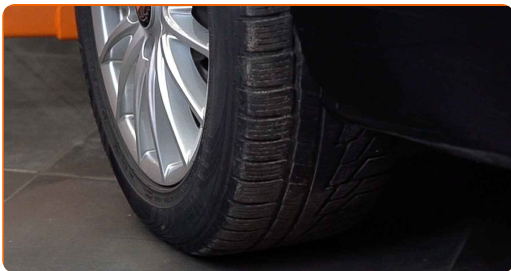
**55**

Tighten the wheel bolts using a criss-cross pattern. Use a torque wrench. Tighten it to 120 Nm torque.



**56**

Remove the jacks and chocks.



**57**

Remove the fender protection cover.

**58**

Close the hood.

**WELL DONE!** 

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