



How to change front  
upper arm on **ALFA  
ROMEO Brera (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 Brera (939\_) 2.0 JTDM, ALFA ROMEO Brera (939\_) 2.2 JTS (939.DXB11), ALFA ROMEO Brera (939\_) 3.2 JTS Q4 (939.DXG22), ALFA ROMEO Brera (939\_) 2.4 JTDM 20V, ALFA ROMEO Brera (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 BRERA (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 Brera (939\_). AUTODOC recommends:

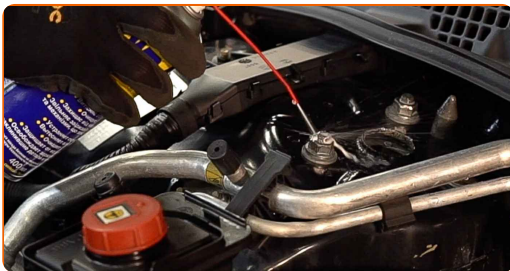
- The replacement procedure is identical for the right and left upper control arms.
- All work should be done with the engine stopped.

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

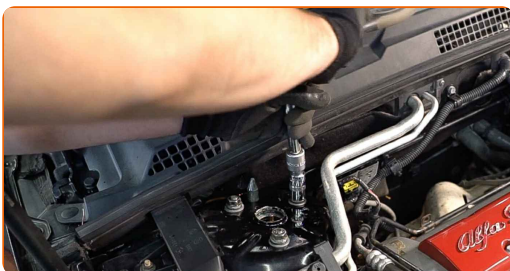
**1** Open the hood.

**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.



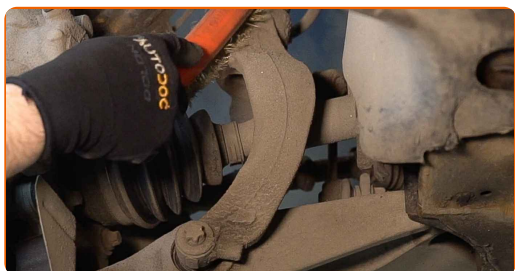
Replacement: front upper arm – ALFA ROMEO Brera (939\_). Tip:

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

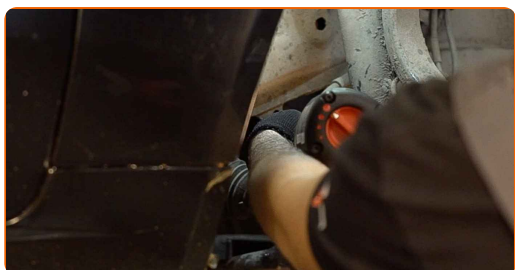
9 Remove the wheel.



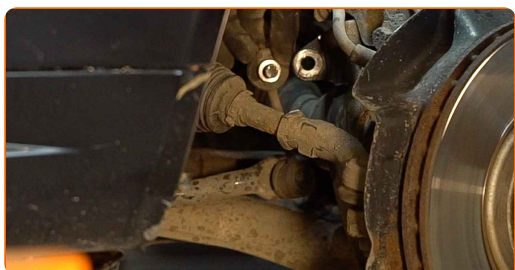
10 Clean all joints of the arm. Clean the shock strut fasteners. Use a wire brush. Use WD-40 spray.



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



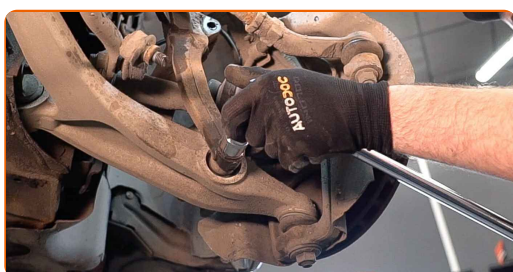
12 Remove the stabilizer rod.



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



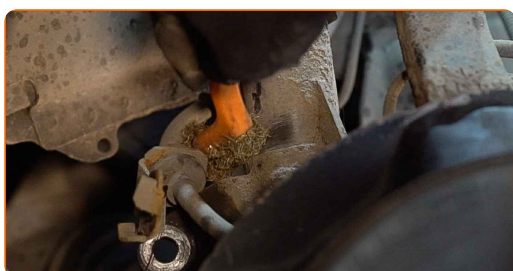
- 14** Unscrew the fastening bolt that connects the shock absorber fork with the lower control arm. Use a drive socket #21. Use a tap wrench.



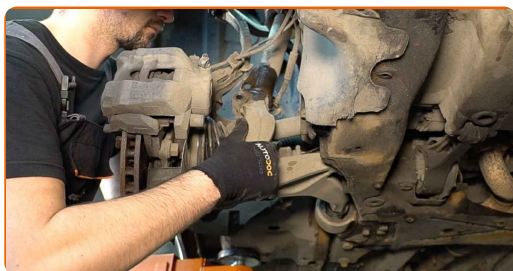
- 15** Remove the fastening bolt.



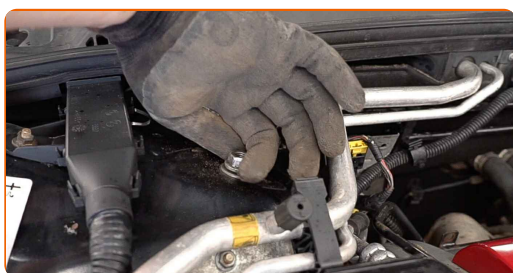
- 16** Clean the fastener that attaches the shock absorber fork to the shock strut. Use a wire brush. Use WD-40 spray.



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



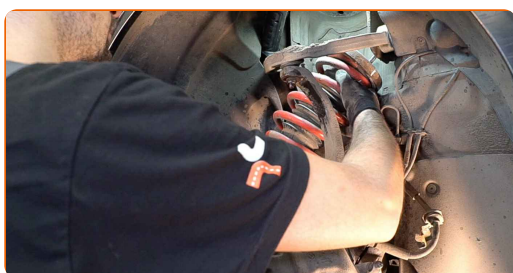
**18** Unscrew the top fastening of the shock strut mount.



Replacement: front upper arm – ALFA ROMEO Brera (939\_). AUTODOC experts recommend:

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

**19** Remove the suspension strut.



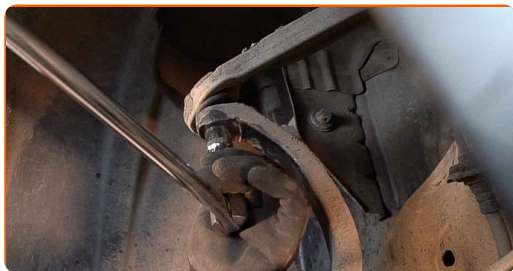
**20** Support the arm. Use a hydraulic transmission jack.





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.



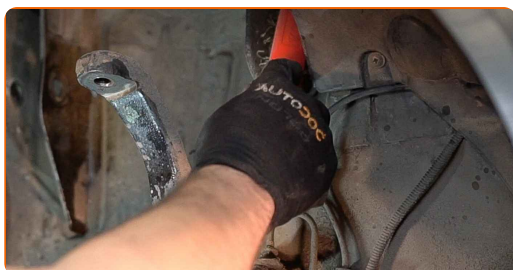
**25** Remove the fastening bolts.



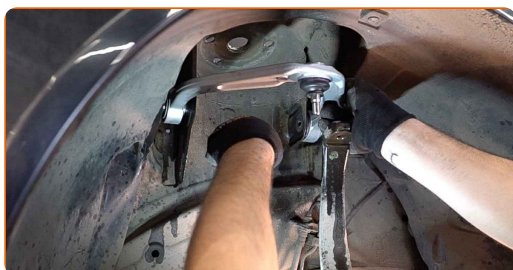
**26** Remove the arm. Use a crowbar.



**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.

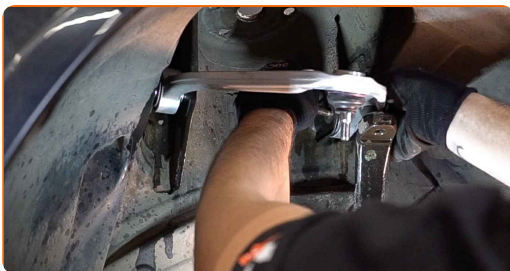


Replacement: front upper arm – ALFA ROMEO Brera (939\_). Tip from AUTODOC:

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

29

Install the control arm fasteners.



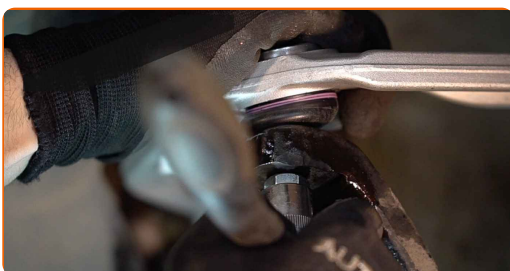
30

Connect the ball joint to the steering knuckle.

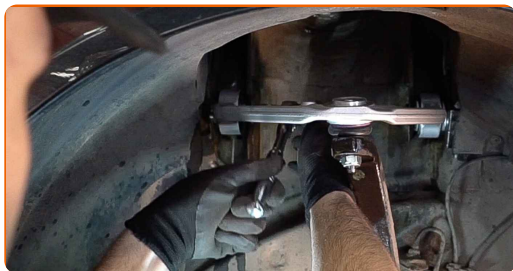


31

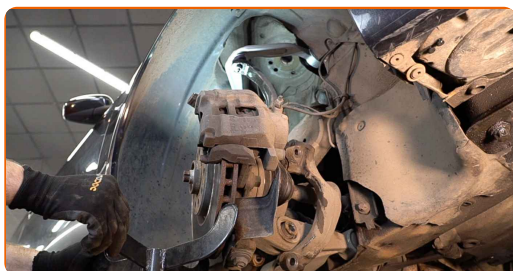
Screw the fasteners of the ball joint. Use a drive socket #18. Use a ratchet wrench.



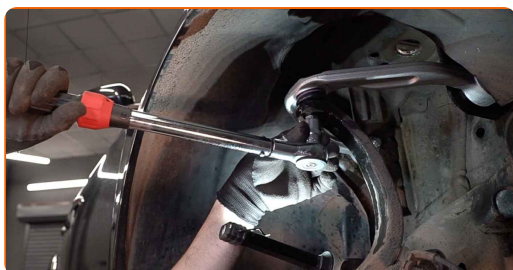
**32** Screw in the fastener of the upper control arm (2 pieces). Use a drive socket #E18. Use a ratchet wrench.



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



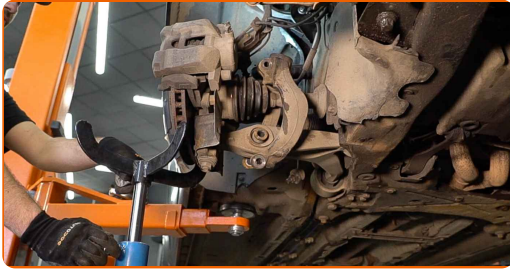
**34** Tighten the ball joint fastener. Use a drive socket #18. Use a torque wrench. Tighten it to 45 Nm torque.



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



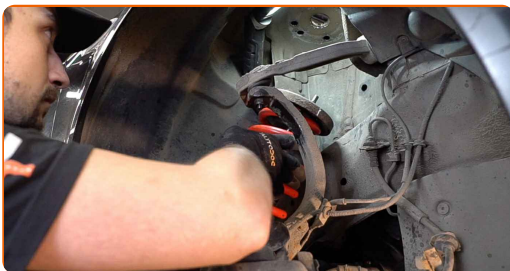
**36** Remove the support from under the arm.



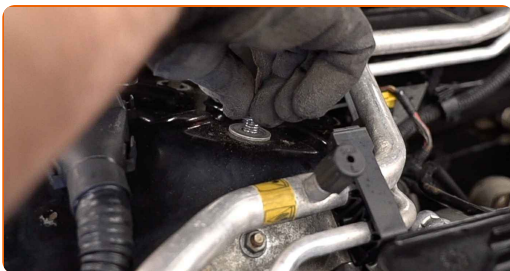
**AUTODOC recommends:**

- Replacement: front upper arm – ALFA ROMEO Brera (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.

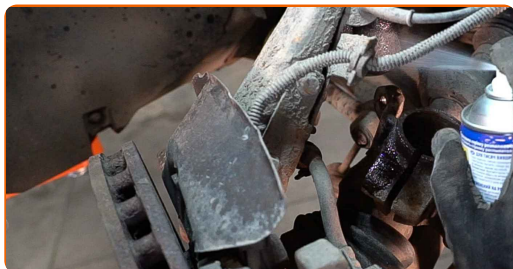


**Replacement: front upper arm – ALFA ROMEO Brera (939\_). Professionals recommend:**

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

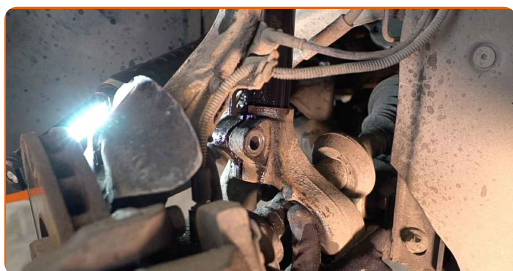
39

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



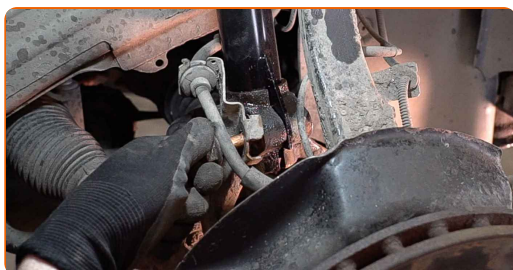
40

Attach the shock absorber fork to the shock strut.



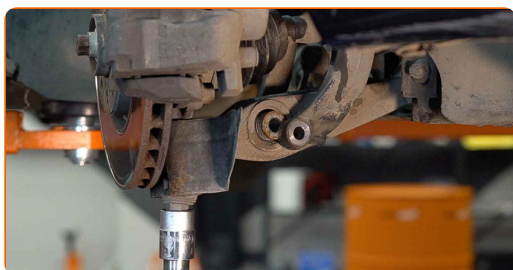
41

Install the fastening bolt.



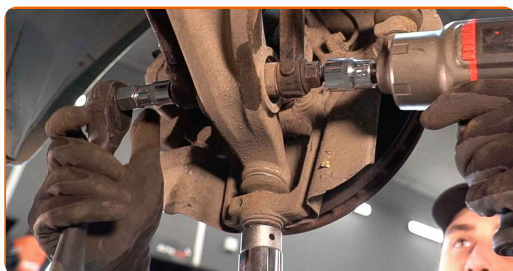
42

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.



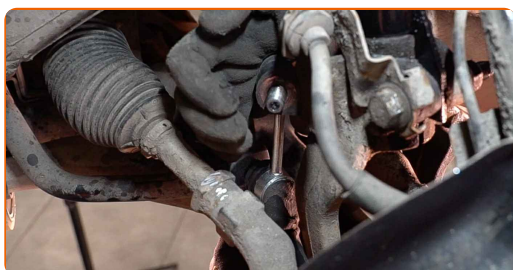
- 45** Tighten the fastening bolt that connects the shock absorber fork to the lower control arm. Use a drive socket #21. Use a torque wrench. Tighten it to 55 Nm torque.+45°



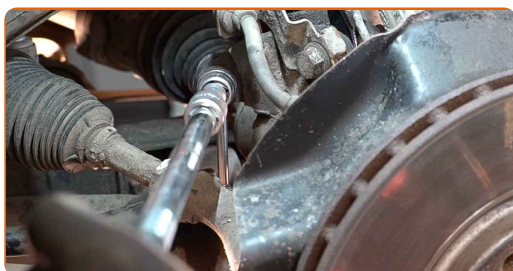
**AUTODOC recommends:**

- Important! Be sure to use new fasteners.

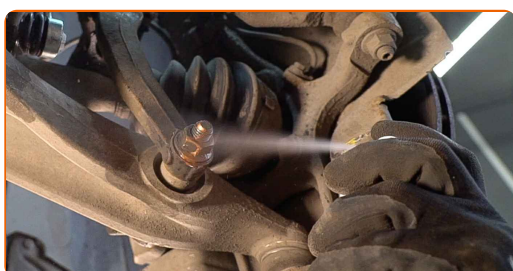
- 46** Install the transverse stabilizer link.



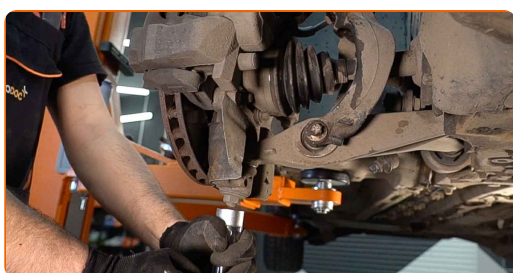
- 47** Tighten the fastener connecting the stabilizer link with the shock absorber fork. Use a combination spanner #18. Use HEX No.H6. Use a torque wrench. Tighten it to 60 Nm torque.



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



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



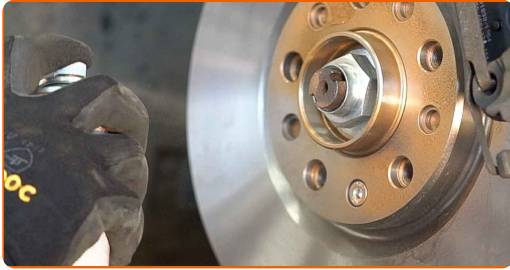
**AUTODOC recommends:**

- ALFA ROMEO Brera (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.

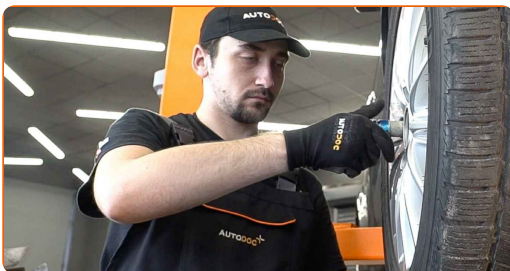


Replacement: front upper arm – ALFA ROMEO Brera (939\_). Tip from AUTODOC:

- 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.

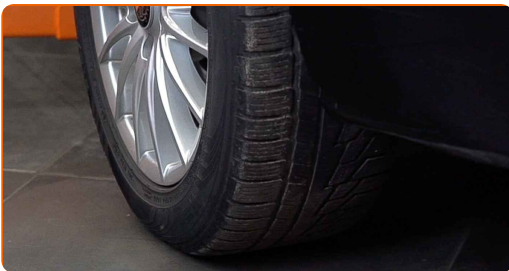
- 54** Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #16. Use a torque wrench. Tighten it to 44 Nm torque.



- 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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