



How to change front
lower arm on **Alfa
Romeo 147 937** –
replacement guide

VIDEO TUTORIAL



i Important!

This replacement procedure can be used for:

ALFA ROMEO 156 Saloon (932) 1.6 16V T.SPARK, ALFA ROMEO 156 Saloon (932) 1.8 16V T.SPARK, ALFA ROMEO 156 Saloon (932) 2.0 16V T.SPARK, ALFA ROMEO 156 Saloon (932) 2.5 V6 24V, ALFA ROMEO 156 Saloon (932) 1.9 JTD, ALFA ROMEO 156 Saloon (932) 2.4 JTD, ALFA ROMEO GT (937) 2.0 JTS, ALFA ROMEO 156 Sportwagon (932) 1.6 16V T.SPARK., ALFA ROMEO 156 Sportwagon (932) 1.8 16V T.SPARK, ALFA ROMEO 156 Sportwagon (932) 2.0 16V T.SPARK, ALFA ROMEO 156 Sportwagon (932) 2.5 V6 24V, ALFA ROMEO 156 Sportwagon (932) 1.9 JTD, ALFA ROMEO 156 Sportwagon (932) 2.4 JTD, ALFA ROMEO 147 (937) 2.0 16V T.SPARK, ALFA ROMEO 147 (937) 1.6 16V T.SPARK ECO, (+ 25)

The steps may slightly vary depending on the car design.

REPLACEMENT: FRONT LOWER ARM – ALFA ROMEO 147 937. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #19
- Drive socket # 15
- Drive socket # 17
- Drive socket # 19
- Drive socket # 24
- Drive socket # 38
- Wheel impact socket #17
- Ball joint puller
- Ratchet wrench
- Phillips screwdriver
- Tap wrench
- Crow bar
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: front lower arm – Alfa Romeo 147 937. AUTODOC experts recommend:

- The replacement procedure is identical for the left and right lower control arms.
- Please note: all work on the car – Alfa Romeo 147 937 – should be done with the engine switched off.

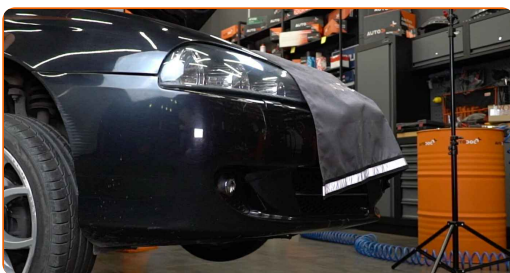
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Secure the wheels with chocks.

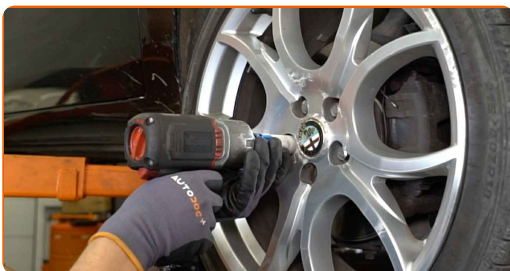
2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the front of the car and secure on supports.



4 Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
Alfa Romeo 147 937

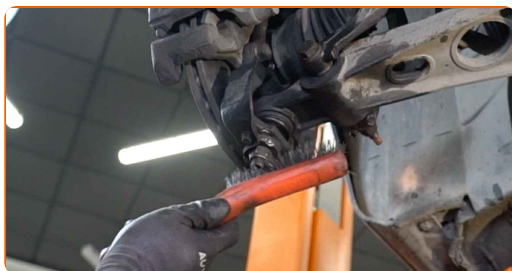
5

Remove the wheel.



6

Clean all joints of the arm. Use a wire brush. Use WD-40 spray.



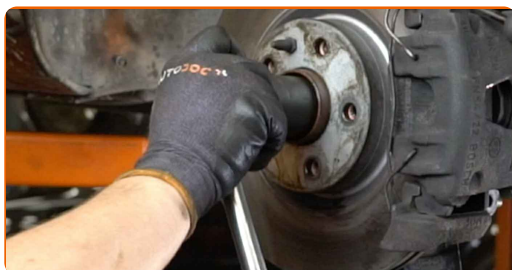
7

Clean the fastener of the driveshaft. Use a wire brush. Use WD-40 spray.



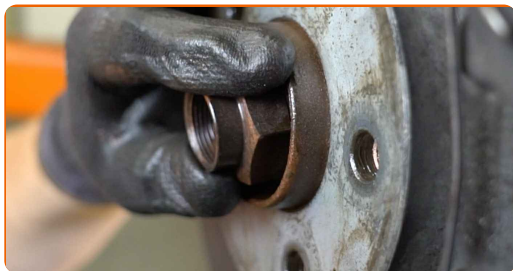
8

Loosen the fastener of the driveshaft. Use a drive socket #38. Use a tap wrench.



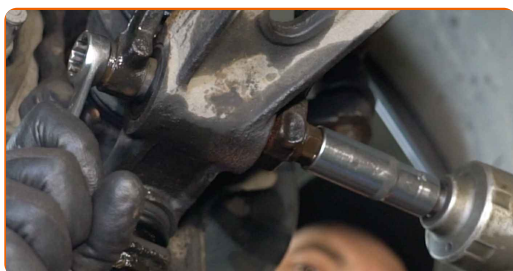
9

Remove the fastening nut.



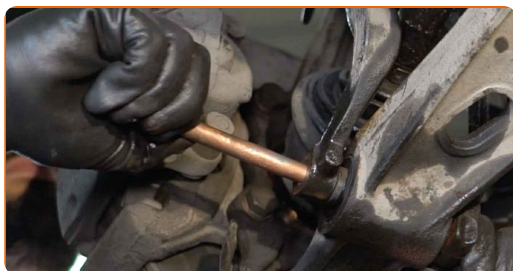
10

Unscrew the fastening bolt that connects the shock absorber fork with the lower control arm. Use a combination spanner #19. Use a drive socket #19. Use a ratchet wrench.



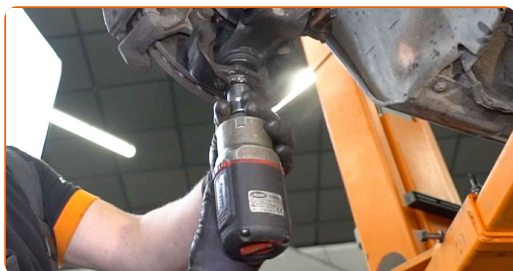
11

Remove the fastening bolt.

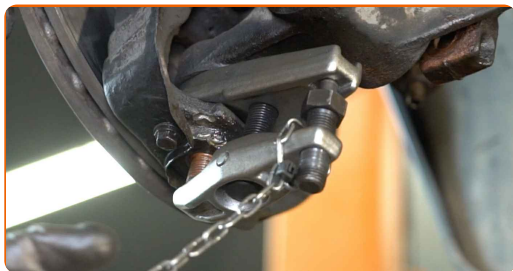


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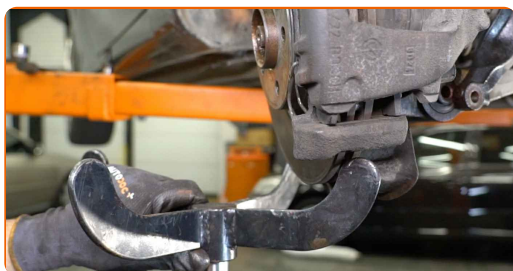
Unscrew the ball joint fastening to the steering knuckle. Use a drive socket #24. Use a ratchet wrench.



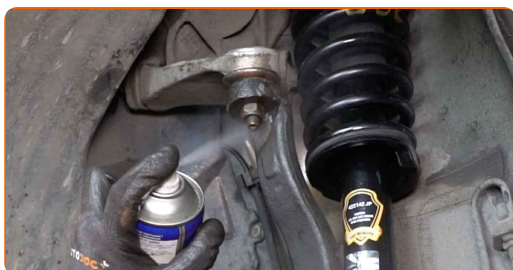
- 13** Disconnect the ball joint from the steering knuckle. Use a ball joint puller.



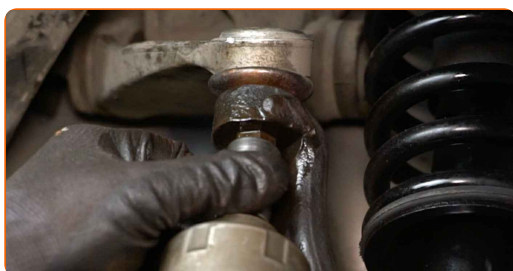
- 14** Prop up the steering knuckle. Use a hydraulic transmission jack.



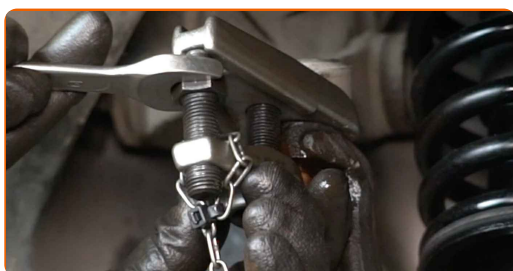
- 15** Clean the control arm fasteners. Use a wire brush. Use WD-40 spray.



- 16** Unscrew the fastener that connects the suspension arm to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.

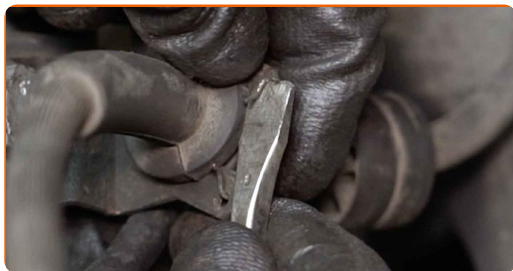


- 17** Detach the control arm. Use a ball joint puller.



18

Remove the fastener attaching the brake hose to the shock strut. Use a crowbar.



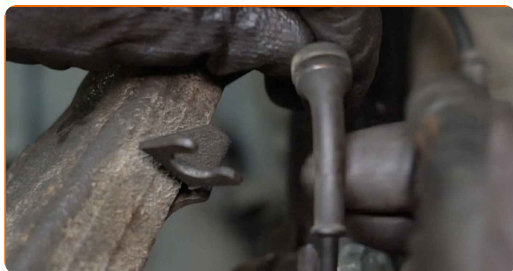
19

Detach the brake hose from the shock strut.



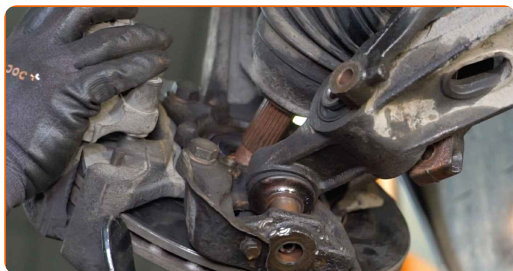
20

Disconnect the ABS sensor wiring.



21

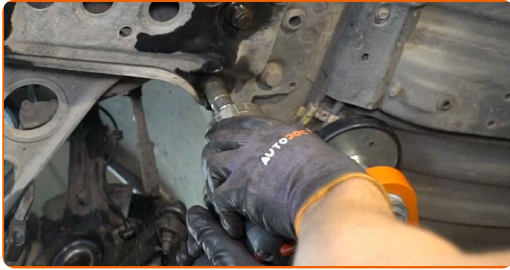
Detach the driveshaft from the steering knuckle.



Replacement: front lower arm – Alfa Romeo 147 937. AUTODOC experts recommend:

- Make sure that the drive shaft is not unloaded (when the car is jacked).

- 22** Unscrew the fastener connecting the control arm to the subframe. Use a drive socket #15. Use a ratchet wrench.



- 23** Unscrew and remove the wheel arch cover fasteners. Use a Phillips screwdriver.



- 24** Remove the wheel arch cover.

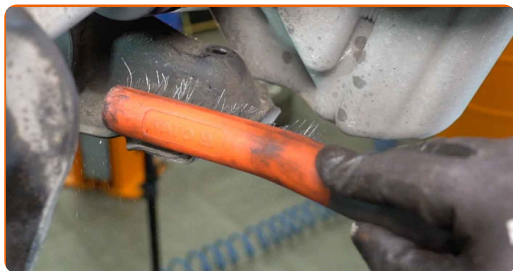


- 25** Remove the arm. Use a crowbar.



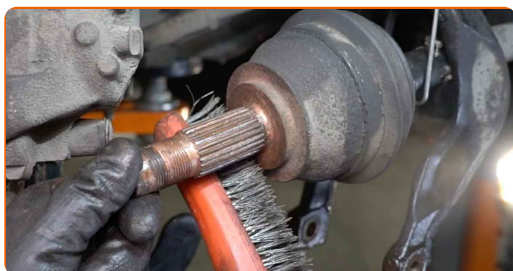
26

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



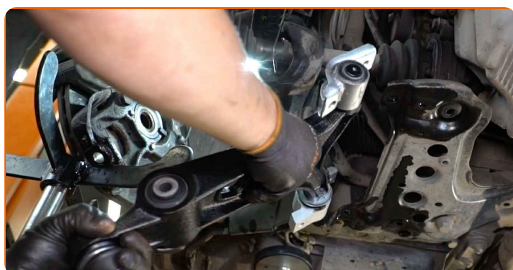
27

Clean the splines of the drive shaft CV joint. Use a wire brush. Use WD-40 spray.



28

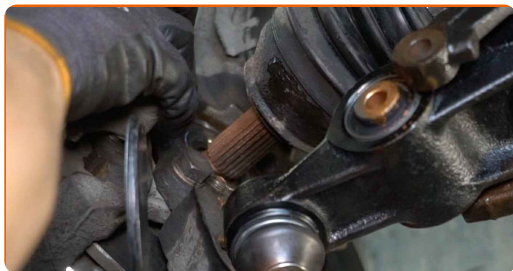
Install a new arm.



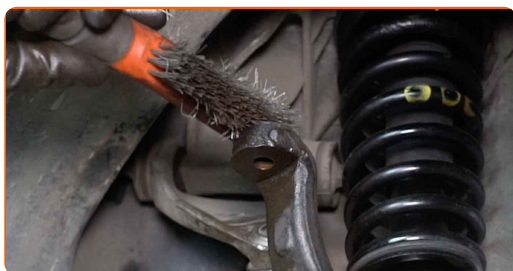
Replacement: front lower arm – Alfa Romeo 147 937. AUTODOC recommends:

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

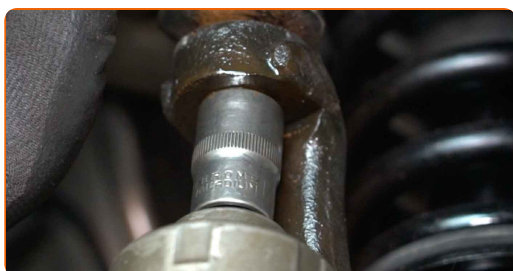
29 Install the drive shaft.



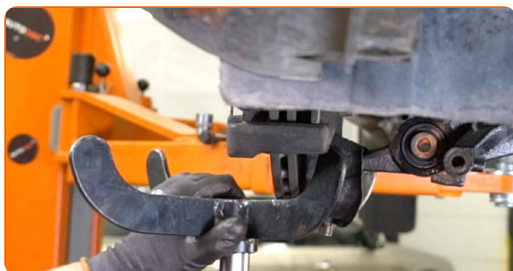
30 Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.



31 Screw in the fastener that connects the suspension arm to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.

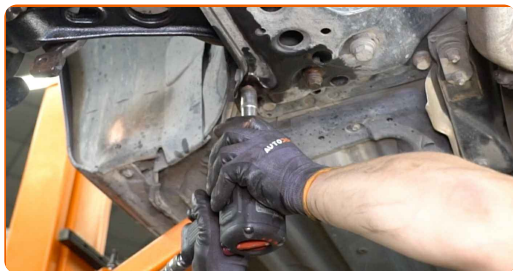


32 Raise the hydraulic transmission jack by 10-15 cm.



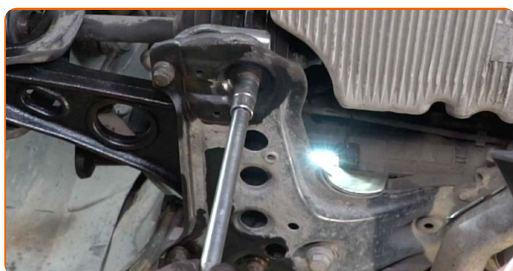
33

Screw the fastener connecting the control arm to the subframe. Use a drive socket #15. Use a ratchet wrench.



34

Tighten the fastener connecting the control arm to the subframe. Use a drive socket #15. Use a torque wrench. Tighten it to 71 nm torque.



35

Remove the support from under the steering knuckle.

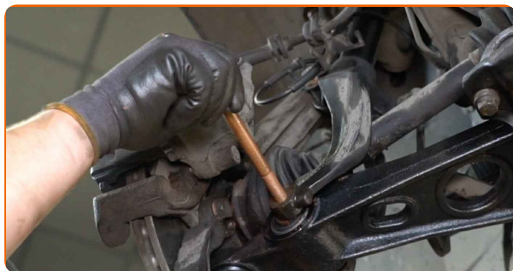


AUTODOC recommends:

- Replacement: front lower arm – Alfa Romeo 147 937. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

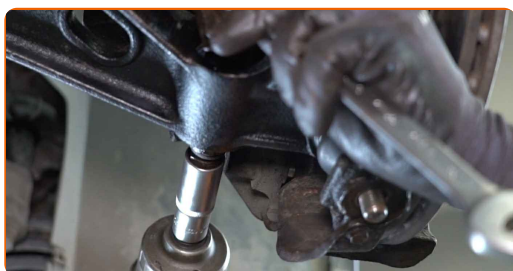
36

Install the fastening bolt.



37

Screw in the fastener connecting the shock absorber fork to the lower control arm. Use a combination spanner #19. Use a drive socket #19. Use a ratchet wrench.

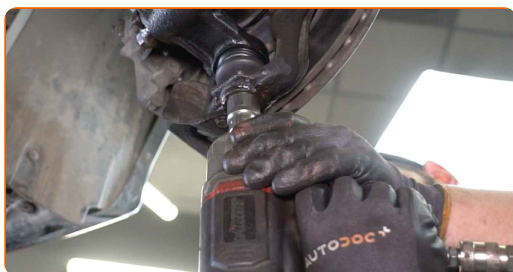


38

Connect the ball joint to the steering knuckle.

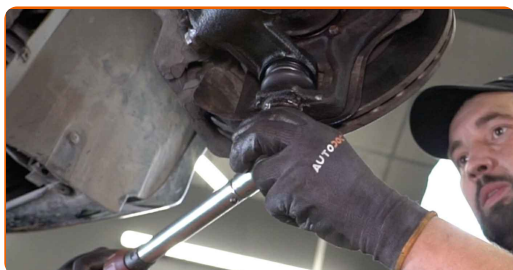
39

Screw the fastener connecting the ball joint to the steering knuckle. Use a drive socket #24. Use a ratchet wrench.



40

Tighten the fastener connecting the ball joint to the steering knuckle. Use a drive socket #24. Use a torque wrench. Tighten it to 90 nm torque.

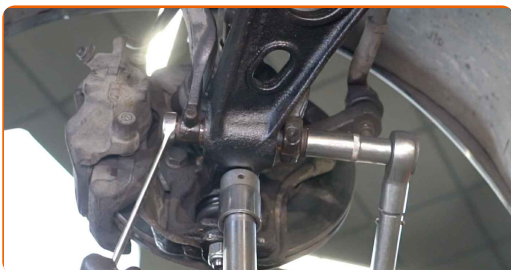


41 Support the arm. Use a hydraulic transmission jack.

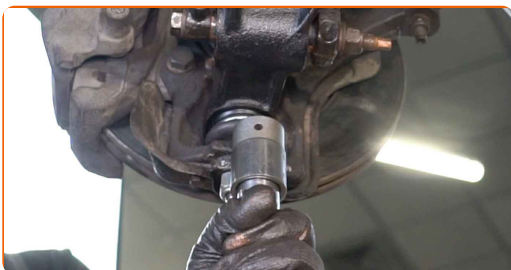


42 Tighten the fastener that connects the suspension arm to the steering knuckle. Use a drive socket #17. Use a torque wrench. Tighten it to 50 nm torque.

43 Tighten the fastening bolt that connects the shock absorber fork to the lower control arm. Use a combination spanner #19. Use a drive socket #19. Use a torque wrench. Tighten it to 110 nm torque.



44 Remove the support from under the arm.

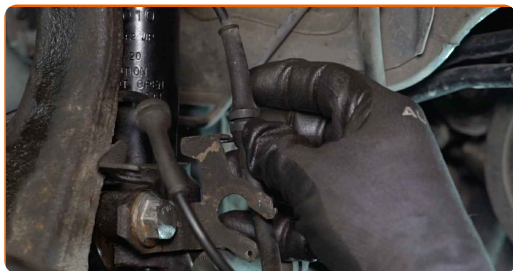


AUTODOC recommends:

- Alfa Romeo 147 937 – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

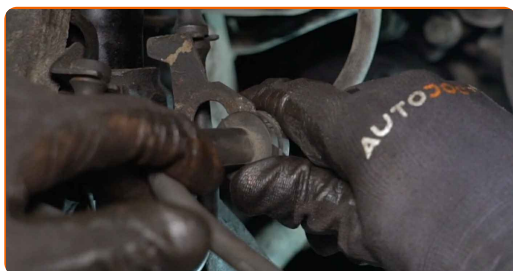
45

Connect the ABS sensor wiring.



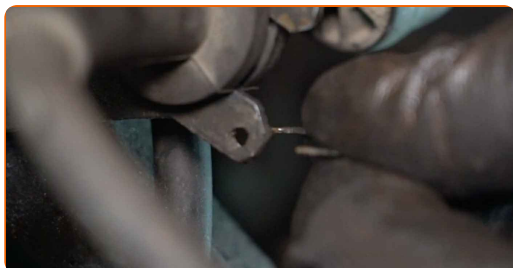
46

Fasten the brake hose on the strut.



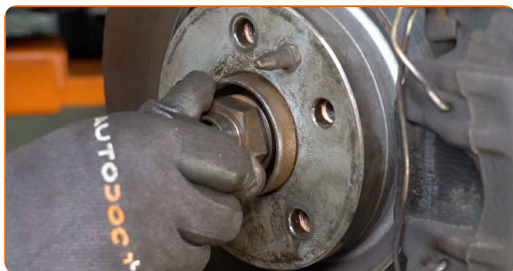
47

Install the brake hose retaining clip.



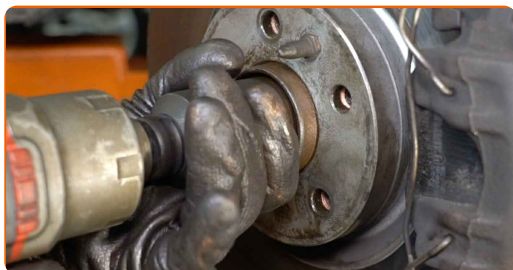
48

Install the fastening nut.



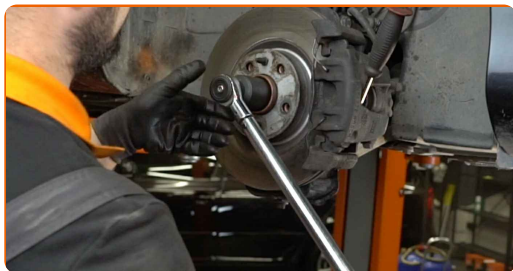
49

Screw the nut of the drive shaft. Use a drive socket #38. Use a ratchet wrench.



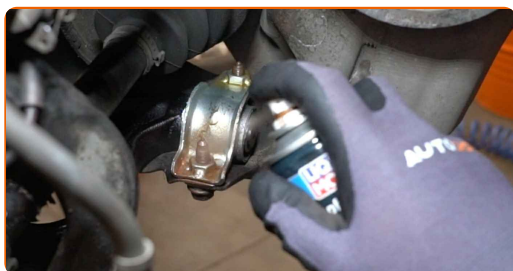
50

Tighten the drive shaft nut. Use a drive socket #38. Use a torque wrench. Tighten it to 177 Nm torque.



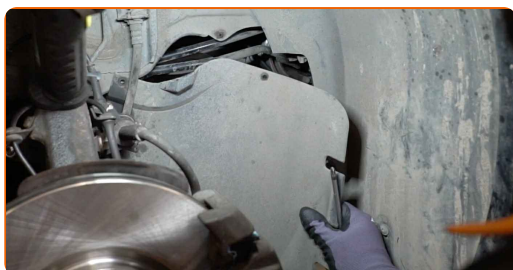
51

Treat all joints of the arm. Use copper grease.



52

Install the wheel arch cover to its mounting seat.



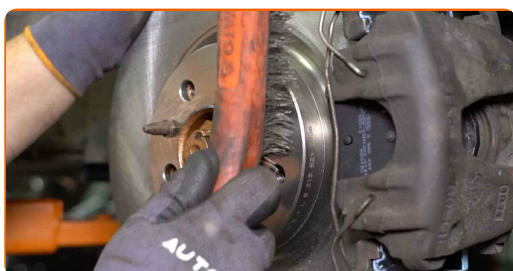
53

Install and tighten the wheel arch cover fasteners. Use a Phillips screwdriver.



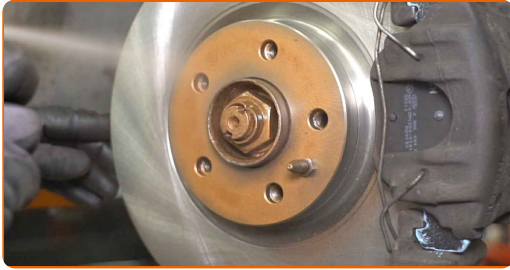
54

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



55

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



56

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: front lower arm – Alfa Romeo 147 937. After applying the spray, wait a few minutes.

57

Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Alfa Romeo 147 937

58

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



59

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 108 Nm torque.



60

Remove the jacks and chocks.



WELL DONE! 

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