



How to change front
suspension strut on
PEUGEOT 406 Estate –
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:

PEUGEOT 406 Estate 1.9 D, PEUGEOT 406 Estate 1.8 16V, PEUGEOT 406 Estate 1.9 TD, PEUGEOT 406 Estate 2.1 TD 12V, PEUGEOT 406 Estate 2.0 Turbo, PEUGEOT 406 Estate 2.0 16V, PEUGEOT 406 Estate 3.0 24V, PEUGEOT 406 Estate 1.8, PEUGEOT 406 Estate 2.0 HDI 110, PEUGEOT 406 Estate 2.0 HDI 90, PEUGEOT 406 Estate 3.0 V6, PEUGEOT 406 Estate 2.2, PEUGEOT 406 Estate 2.2 HDI, PEUGEOT 406 Estate 2.0 16V HPi, PEUGEOT 406 Estate 2.0 HDi 110, (+ 1)

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: PEUGEOT 406 Saloon 2.2

**REPLACEMENT: SUSPENSION STRUT – PEUGEOT 406
ESTATE. LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- High-temperature ceramic grease
- Torque wrench
- Combination spanner #19
- Combination spanner #21
- HEX bit no.H6.
- Torx bit T50
- Drive socket # 10
- Drive socket # 16
- Drive socket # 17
- Drive socket # 21
- Drive socket # 36
- Wheel impact socket #19
- Ratchet wrench
- Flat chisel
- Hammer
- Pin punch
- Crow bar
- Flat Screwdriver
- Round-nose pliers
- Ball joint puller
- Hydraulic strut spring compressor
- Fender cover
- Wheel chock

Buy tools

Replacement: suspension strut – PEUGEOT 406 Estate. Tip from AUTODOC experts:

- Both shock struts of the front suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock struts of the front suspension.
- Please note: all work on the car – PEUGEOT 406 Estate – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

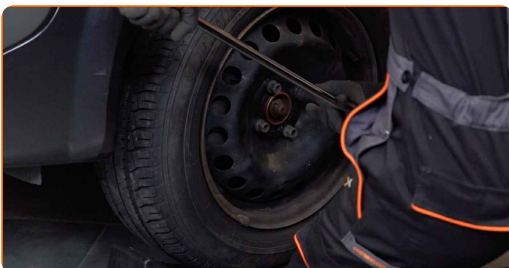
1

Secure the wheels with chocks.



2

Loosen the wheel mounting bolts. Use wheel impact socket #19.



3

Raise the front of the car and secure on supports.

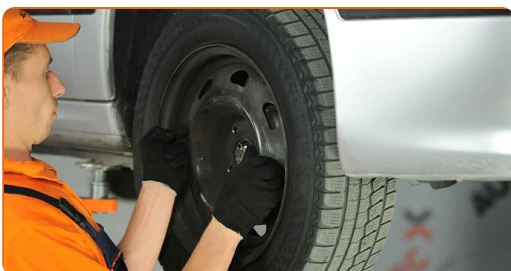
4 Unscrew the wheel bolts.



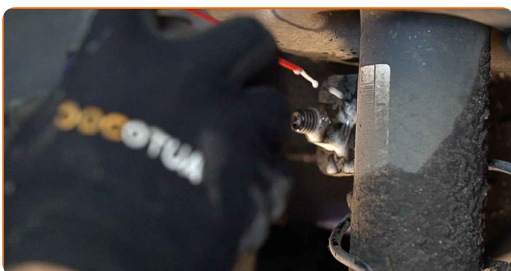
Replacement: suspension strut – PEUGEOT 406 Estate. AUTODOC recommends:

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

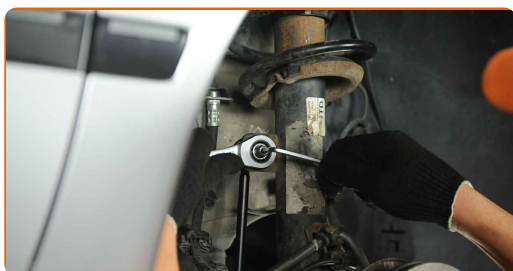
5 Remove the wheel.



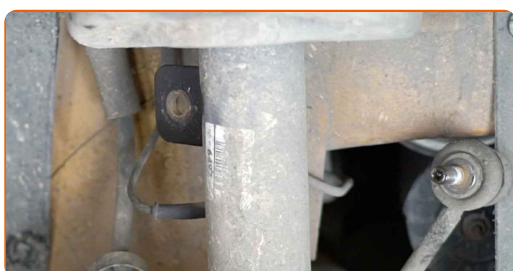
6 Clean the fastener that connects the sway bar link to the suspension strut. Use a wire brush. Use WD-40 spray.



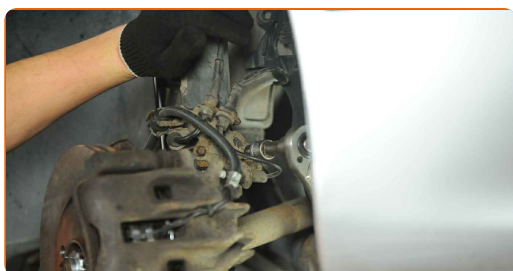
- 7 Unscrew the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #19. Use HEX No.H6. Use a ratchet wrench.



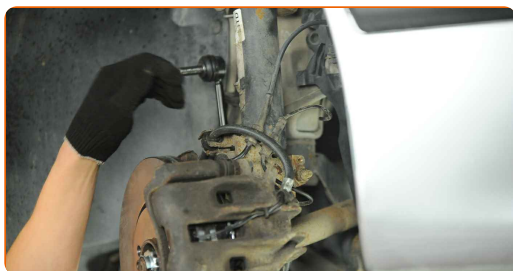
- 8 Remove the stabilizer rod.



- 9 Unscrew the ABS sensor wiring bracket. Use a drive socket #10. Use a ratchet wrench.

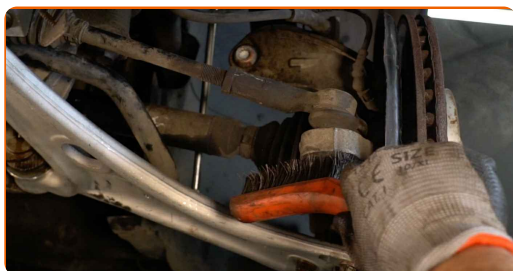


- 10 Remove the bracket from the suspension strut.



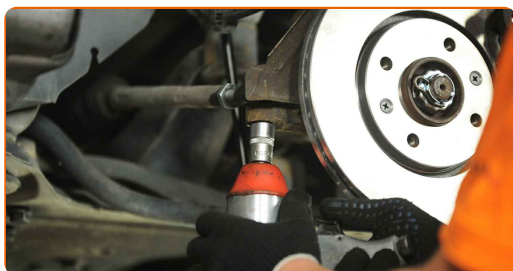
11

Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.



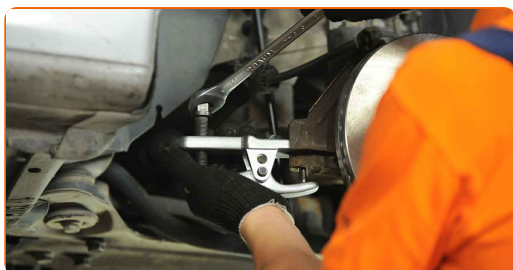
12

Unscrew the end fastening nut to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.



13

Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.

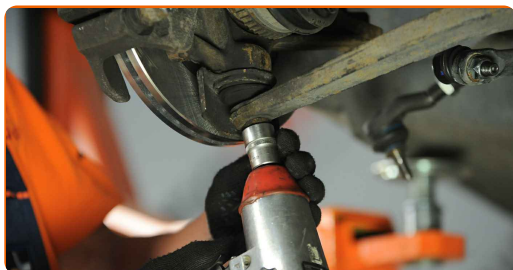


14

Clean the fastener that connects the suspension arm to the ball joint. Use a wire brush. Use WD-40 spray.

15

Unscrew the fastener connecting the ball joint to the suspension control arm. Use a drive socket #21. Use a ratchet wrench.



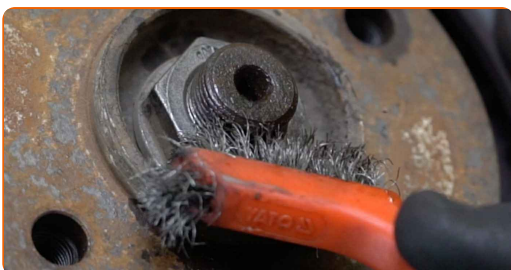
16 Disconnect the ball joint from the control arm. Use a ball joint puller. Use a crowbar.



17 Remove the cotter pin securing the hub nut. Use round-nose pliers. Use a flat screwdriver.



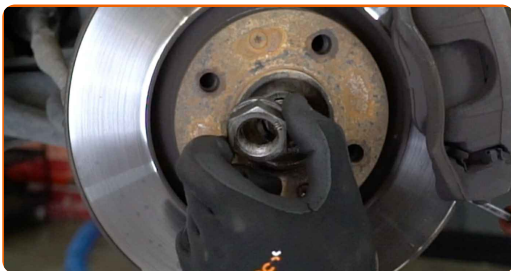
18 Clean the wheel hub fastener. Use a wire brush. Use WD-40 spray.



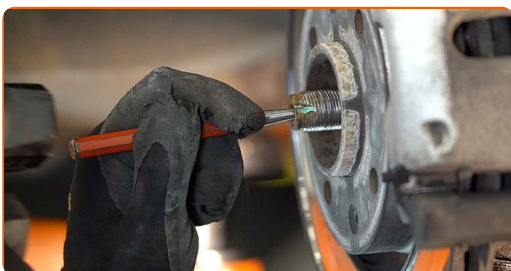
19 Unscrew the wheel hub axle nut. Use a drive socket #36. Use a ratchet wrench.



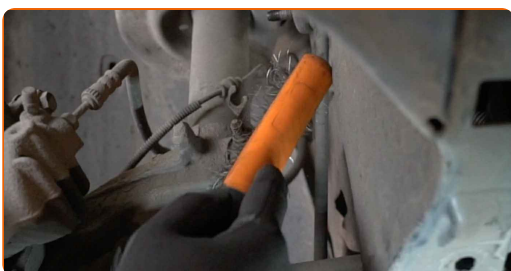
20 Remove the fastening nut.



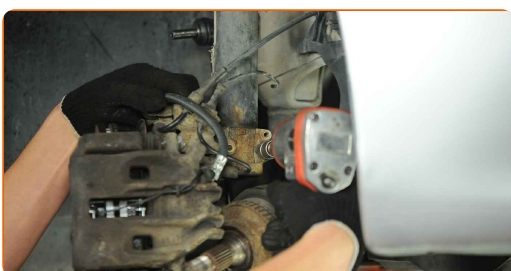
21 Detach the driveshaft from the steering knuckle. Use a pin punch. Use a hammer.



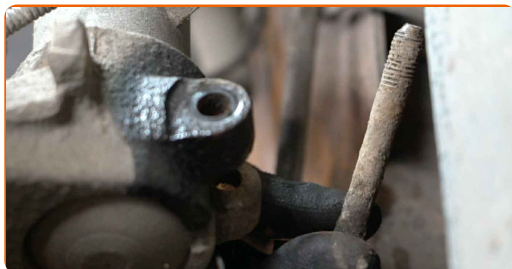
22 Clean the lower fastener connecting the suspension strut to the steering knuckle. Use a wire brush. Use WD-40 spray.



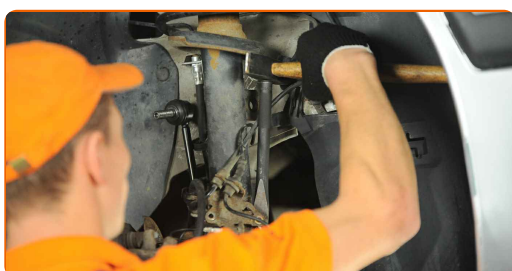
23 Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a drive socket #16. Use a ratchet wrench.



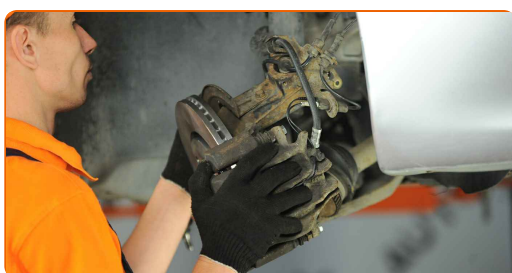
24 Remove the fastening bolt.



25 Release the lower fastener connecting the shock strut to the steering knuckle. Use a flat metal-working chisel. Use a hammer.



26 Disconnect the steering knuckle from the shock absorber strut.



Replacement: suspension strut – PEUGEOT 406 Estate. AUTODOC experts recommend:

- Make sure that the steering knuckle is supported.

27 Lower the car.

28 Open the bonnet.

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

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

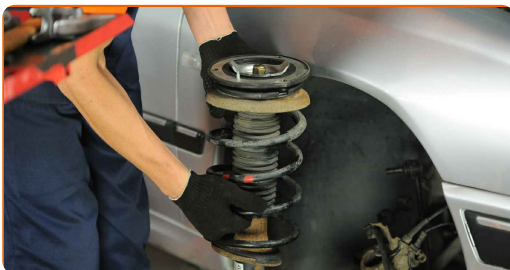
31 Unscrew the upper fasteners of the shock strut. Use Torx T50. Use a ratchet wrench.



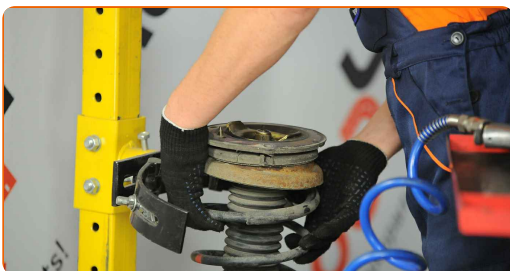
AUTODOC recommends:

- Important! Hold the suspension strut while unscrewing the fastening bolts.
PEUGEOT 406 Estate

32 Remove the suspension strut.



33 Set the shock absorber strut on the spring compressor tool.

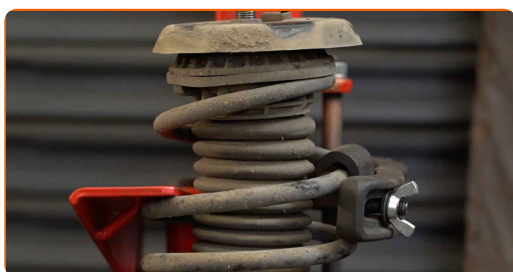


Replacement: suspension strut – PEUGEOT 406 Estate. Tip from AUTODOC:

- 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.

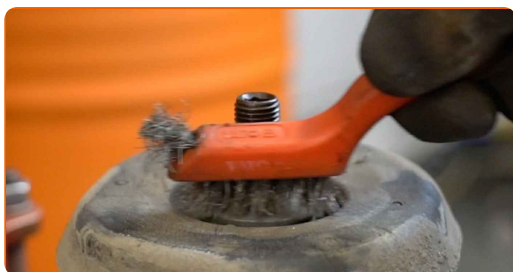
34

Compress the spring.



35

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



36

Remove the strut piston rod nut. Use a combination spanner #21. Use HEX No.H6. Use a ratchet wrench.



37 Remove the top strut mount.



38 Release the coil spring.

39 Remove the spring.



40 Remove the shock absorber dust cap and the bump stop.



AUTODOC recommends:

- Replacement: suspension strut – PEUGEOT 406 Estate. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

41

Remove the old shock absorber from the hydraulic coil spring compressor.



Replacement: suspension strut – PEUGEOT 406 Estate. Professionals recommend:

- Before installing a new shock absorber you should pump it manually 3-5 times.

42

Install the dust sleeve and the bump stop on the new shock absorber.



43

Install the new shock absorber on the hydraulic coil spring compressor.



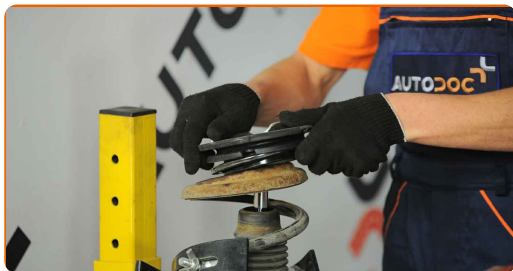
44

Install the spring on the shock absorber.

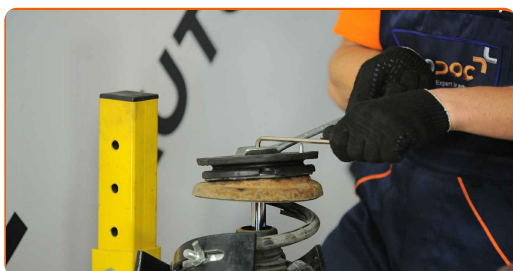
45

Compress the spring.

46 Install the upper strut mount and the strut mount bearing.



47 Tighten the shock strut piston rod nut. Use a combination spanner #21. Use HEX No.H6. Use a torque wrench. Tighten it to 65 Nm torque.



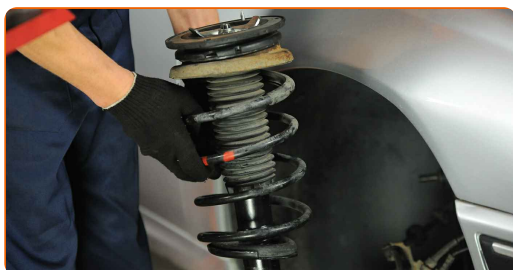
Replacement: suspension strut – PEUGEOT 406 Estate. Tip:

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

48 Decompress the spring.

49 Remove the assembled shock strut.

50 Install the shock strut into the wheel arch.



51 Secure the upper fasteners of the shock strut.

Replacement: suspension strut – PEUGEOT 406 Estate. Tip from AUTODOC experts:

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

52 Tighten the upper fasteners of the shock strut. Use Torx T50. Use a torque wrench. Tighten it to 40 Nm torque.

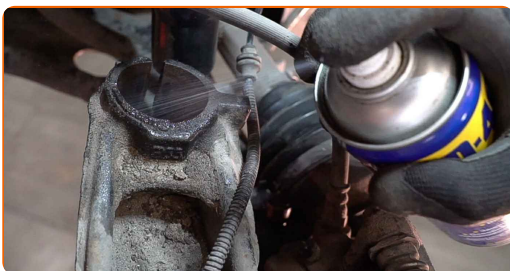


53 Remove the fender protection cover.

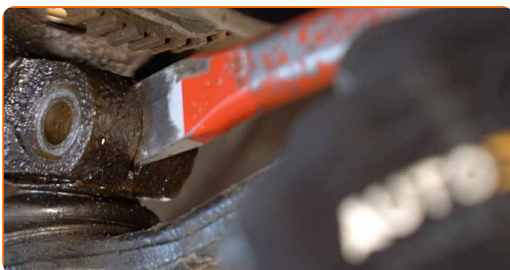
54 Close the hood.

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

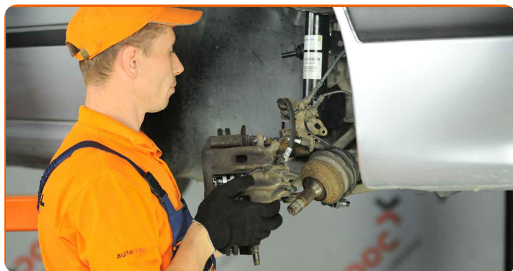
56 Treat the shock strut mounting seat on the steering knuckle. Use a wire brush. Use WD-40 spray.



57 Release the lower fastener connecting the shock strut to the steering knuckle. Use a flat metal-working chisel. Use a hammer.



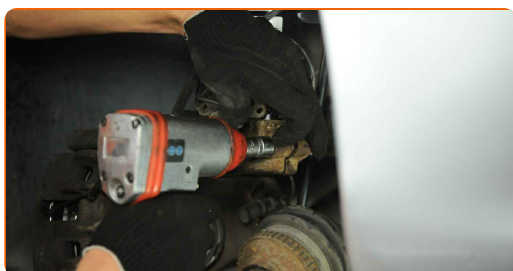
58 Fix the shock absorber strut on the steering knuckle.



59 Install the fastening bolt.

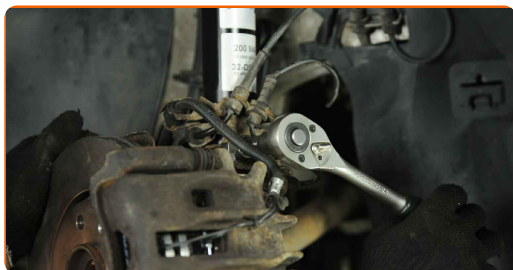


60 Tighten the lower fasteners of the suspension strut. Use a drive socket #16. Use a torque wrench. Tighten it to 55 Nm torque.

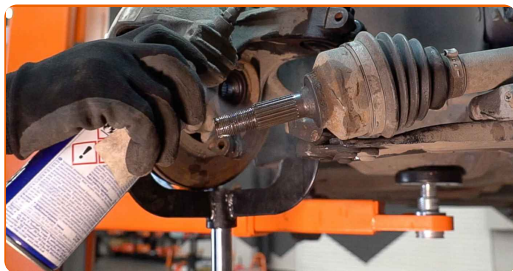


61 Install the bracket on the suspension strut.

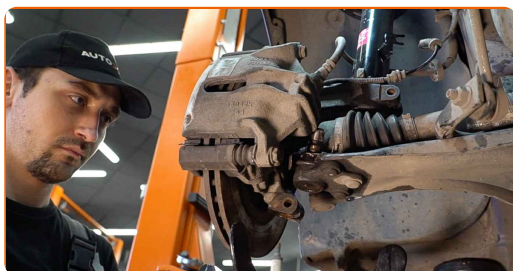
62 Tighten the ABS sensor wiring bracket. Use a drive socket #10. Use a ratchet wrench.



63 Treat the splines of the driveshaft CV joint. Use a wire brush. Use WD-40 spray.



64 Install the steering knuckle on the CV axle.

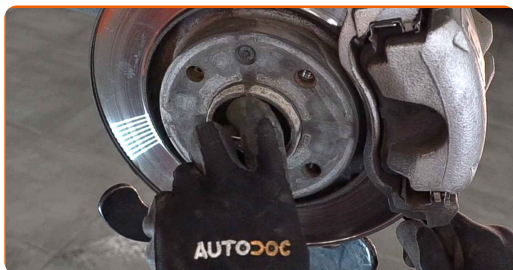


65 Attach the ball joint to the control arm.

66 Tighten the fastener that connects the suspension arm to the ball joint. Use a drive socket #21. Use a torque wrench. Tighten it to 45 Nm torque.



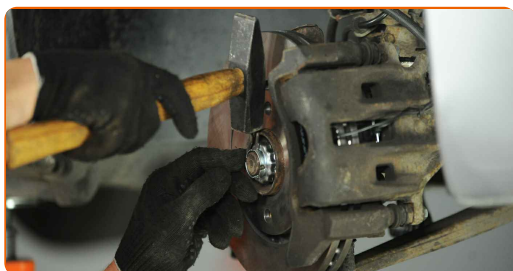
67 Install the fastening nut.



68 Tighten the hub. Use a drive socket #36. Use a torque wrench. Tighten it to 325 Nm torque.

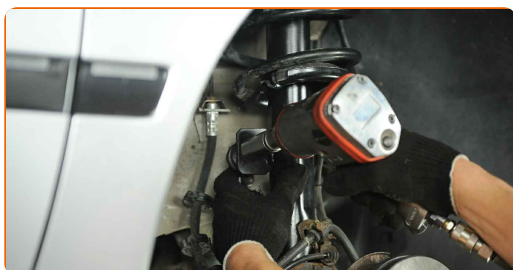


69 Install a new hub nut cotter pin. Use a hammer.

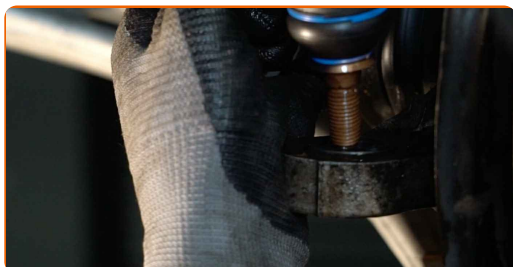


70 Install the transverse stabilizer link.

71 Tighten the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #19. Use HEX No.H6. Use a torque wrench. Tighten it to 65 Nm torque.



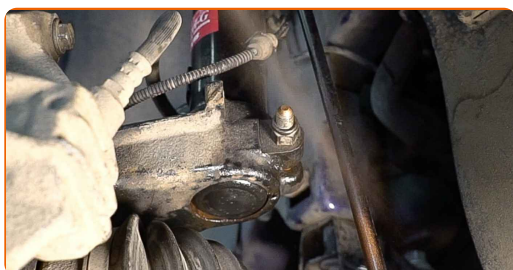
72 Connect the tie rod end to the steering knuckle.



- 73** Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a torque wrench. Tighten it to 35 nm torque.



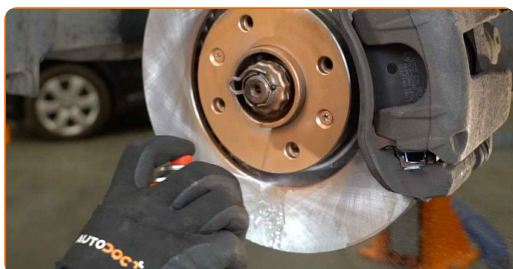
- 74** Treat the shock strut fasteners. Treat the fastener connecting the tie rod end to the steering knuckle. Treat all joints of the stabiliser link. Treat the ball joint fastener. Use copper grease.



- 75** Treat the surface where the brake disc contacts the wheel rim. Use high-temperature ceramic grease.



- 76** Clean the brake disk surface. Use a brake cleaner.

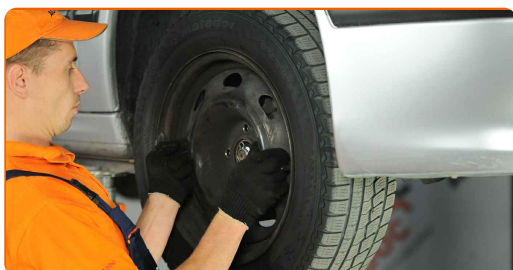


AUTODOC recommends:

- Replacement: suspension strut – PEUGEOT 406 Estate. After applying the spray, wait a few minutes.

77

Install the wheel.



Replacement: suspension strut – PEUGEOT 406 Estate. AUTODOC recommends:

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

78

Screw in the wheel bolts. Use wheel impact socket #19.



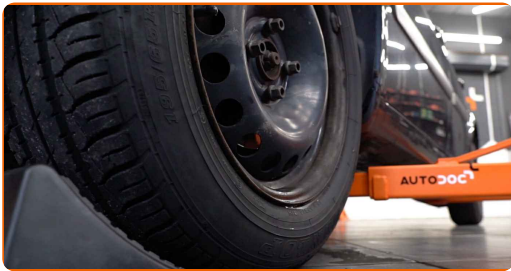
79

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 90 nm torque.



80

Remove the jacks and chocks.



WELL DONE! 

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