



How to change front  
suspension strut on  
**PEUGEOT 207 SW** –  
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 207 SW 1.4 16V, PEUGEOT 207 SW 1.6 16V, PEUGEOT 207 SW 1.6 HDi,  
PEUGEOT 207 SW 1.6 16V RC

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 207 Hatchback 1.6 16V VTi

**REPLACEMENT: SUSPENSION STRUT – PEUGEOT 207  
SW. LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #13
- Combination spanner #16
- Combination spanner #17
- Combination spanner #21
- HEX bit No.H6.
- HEX bit No.H7.
- Torx bit T30
- Drive socket # 13
- Drive socket # 16
- Drive socket # 19
- Drive socket # 35
- Wheel impact socket #17
- Ratchet wrench
- Pin punch
- Tap wrench
- Hammer
- Crow bar
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Fender cover
- Wheel chock

**Buy tools**

Replacement: suspension strut – PEUGEOT 207 SW. AUTODOC experts recommend:

- 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.
- All work should be done with the engine stopped.

## REPLACEMENT: SHOCK ABSORBERS – PEUGEOT 207 SW. TAKE THE FOLLOWING STEPS:

**1** Open the bonnet.

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

**3** Remove the cabin filter housing cover.

Replacement: suspension strut – PEUGEOT 207 SW. Tip:

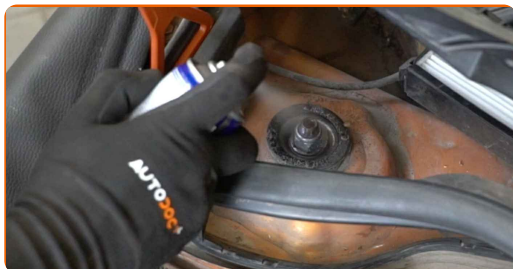
- Do not apply excessive force when removing the part. Otherwise you may damage it.

**4** Raise the wiper plastic cowl grille.



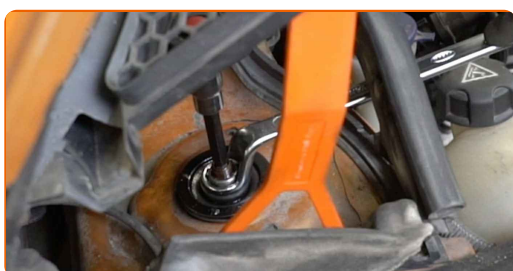
5

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



6

Loosen the upper fastener of the shock strut mount. Use a combination spanner #21. Use HEX No.H7. Use a ratchet wrench.



7

Secure the wheels with chocks.

8

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



9

Raise the front of the car and secure on supports.

10

Unscrew the wheel bolts.



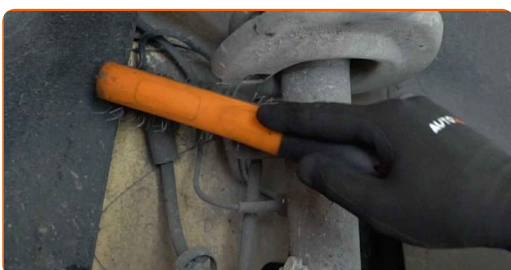
**AUTODOC recommends:**

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

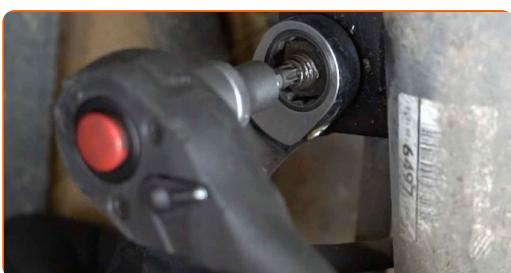
**11** Remove the wheel.



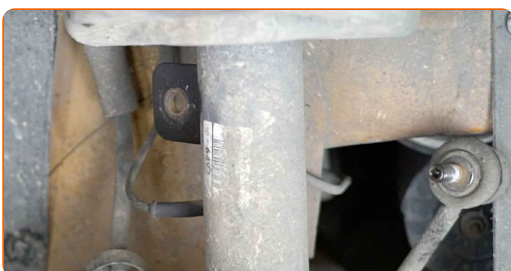
**12** Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.



**13** Unscrew the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #16. Use Torx T30. Use a ratchet wrench.



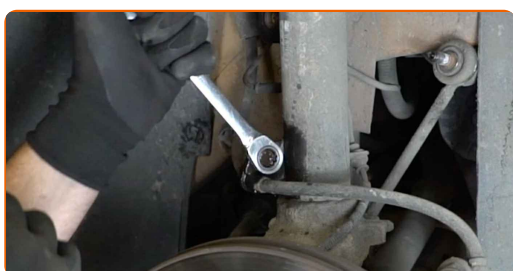
**14** Remove the stabilizer rod.



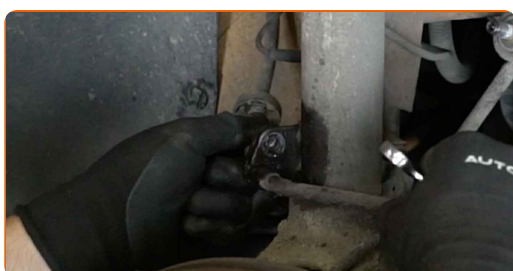
- 15** Clean the fastener of the bracket that connects the brake hose to the shock strut. Use a wire brush. Use WD-40 spray.



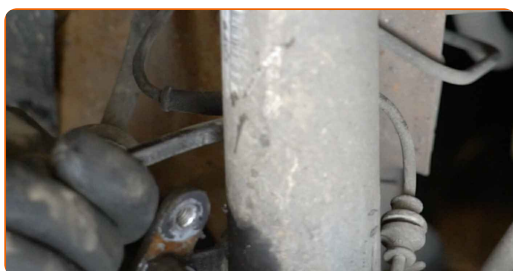
- 16** Unscrew the brake hose fastening bracket from the shock strut. Use a combination spanner #13.



- 17** Disconnect the brake hose mounting bracket.



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



**19** Remove the CV axle nut cotter pin. Use a crowbar.



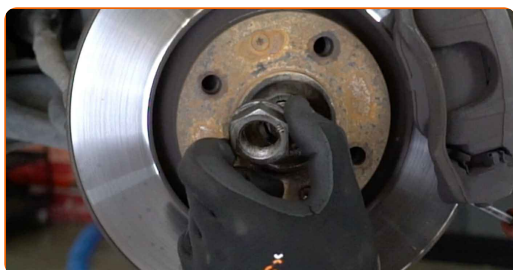
**20** Clean the fastener of the driveshaft. Use a wire brush. Use WD-40 spray.



**21** Loosen the fastener of the driveshaft. Use a drive socket #35. Use a tap wrench.



**22** Remove the fastening nut.





23

Clean the fasteners connecting the shock strut to the steering knuckle.



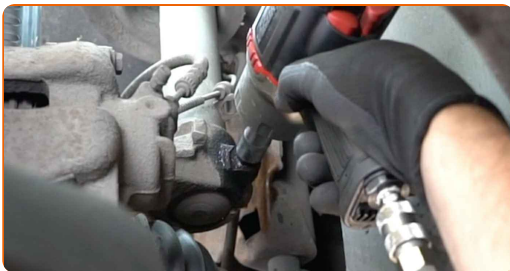
24

Clean the fasteners connecting the ball joint to the suspension control arm. Use a wire brush. Use WD-40 spray.



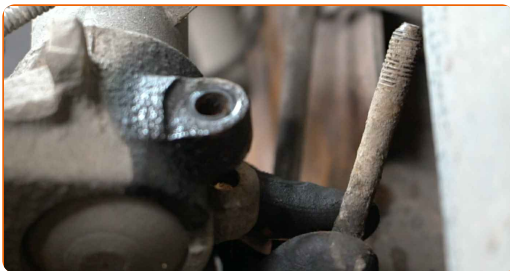
25

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



26

Remove the fastening bolt.



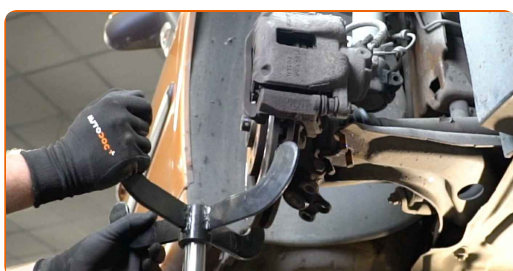
- 27 Unscrew the fasteners connecting the ball joint to the control arm. Use a combination spanner #17. Use a drive socket #16. Use a ratchet wrench.



- 28 Disconnect the ball joint from the arm. Use a crowbar.



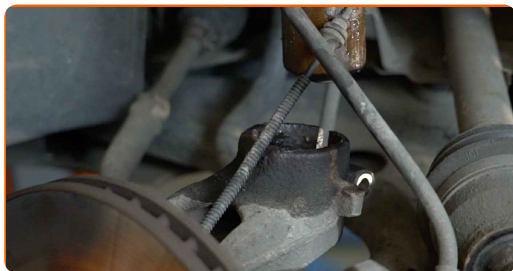
- 29 Prop up the steering knuckle. Use a hydraulic transmission jack.



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



**31** Disconnect the steering knuckle from the shock absorber strut. Use a hammer.



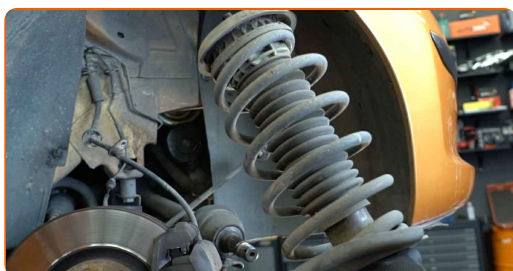
**32** Unscrew the top fastening of the shock strut mount.



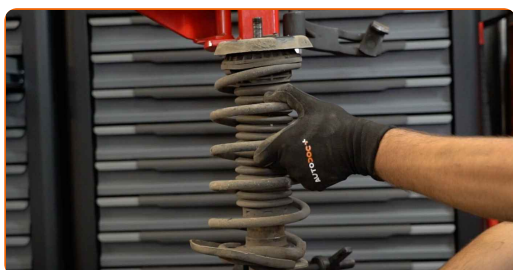
**AUTODOC recommends:**

- PEUGEOT 207 SW – To avoid injury, hold the suspension strut while unscrewing the fastening bolts.

**33** Remove the suspension strut.



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



Replacement: suspension strut – PEUGEOT 207 SW. AUTODOC recommends:

- 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.

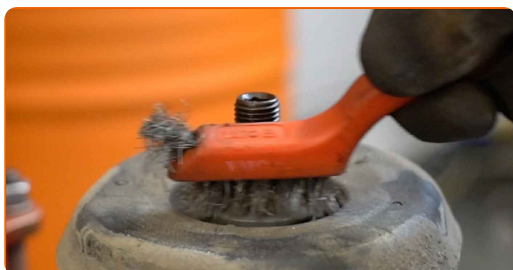
35

Compress the spring.



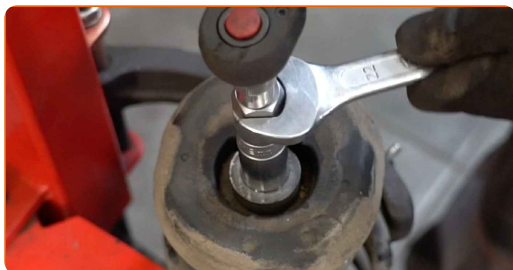
36

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



37

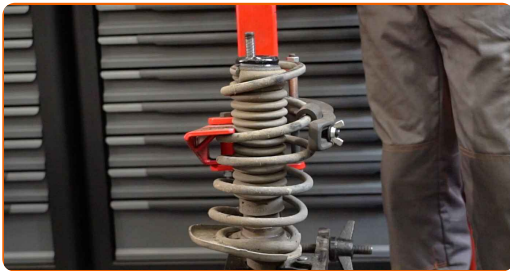
Remove the strut piston rod nut. Use HEX No.H7. Use a drive socket #19. Use a ratchet wrench.



**38** Remove the top strut mount.



**39** Release the coil spring.



**40** Remove the spring.



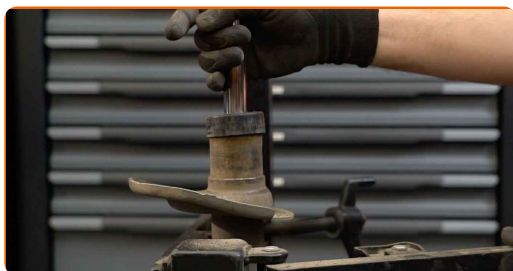
**41** Remove the shock absorber dust cap and the bump stop.



**AUTODOC recommends:**

- Replacement: suspension strut – PEUGEOT 207 SW. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

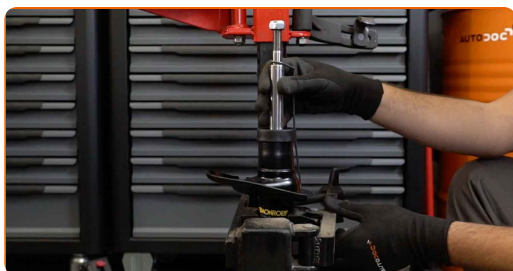
**42** Remove the old shock absorber from the hydraulic coil spring compressor.



Replacement: suspension strut – PEUGEOT 207 SW. AUTODOC experts recommend:

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

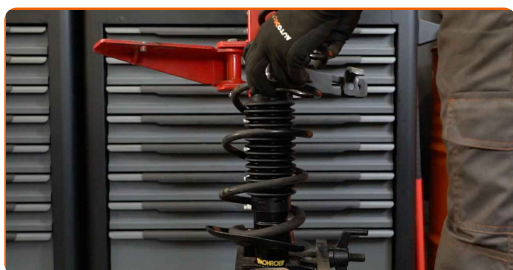
**43** Install the new shock absorber on the hydraulic coil spring compressor.



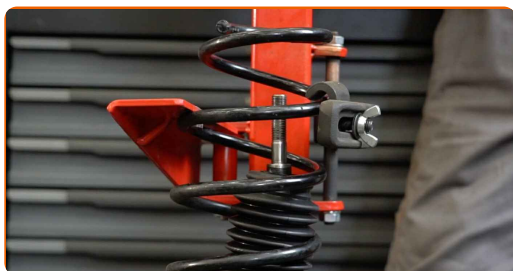
**44** Install the dust sleeve and the bump stop on the new shock absorber.



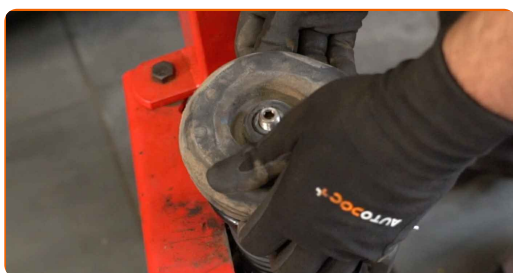
**45** Install the spring on the shock absorber.



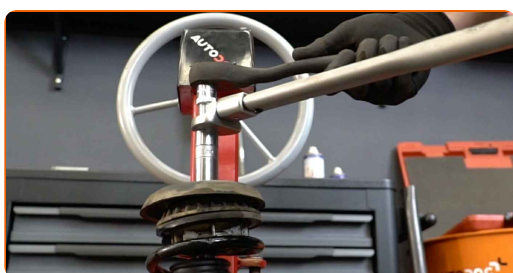
**46** Compress the spring.



**47** Install the upper strut mount and the strut mount bearing.



**48** Tighten the shock strut piston rod nut. Use a drive socket #19. Use HEX No.H6. Use a torque wrench. Tighten it to 75 Nm torque.



Replacement: suspension strut – PEUGEOT 207 SW. Tip from AUTODOC experts:

- Check to make sure the spring is positioned correctly. Avoid its misalignment.
- During the installation process, use only new bolts and nuts.

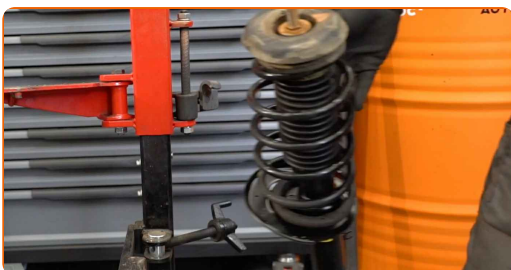
49 Decompress the spring.



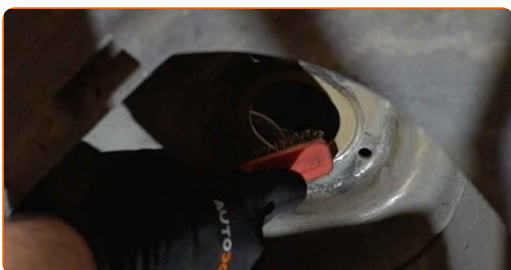
50 Treat the shock strut rod. Use copper grease.



51 Remove the assembled shock strut.



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



53 Install the shock strut into the wheel arch.





54

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

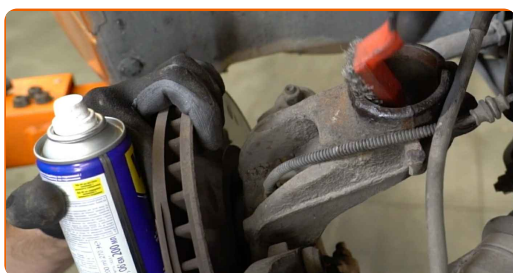


Replacement: suspension strut – PEUGEOT 207 SW. Tip from AUTODOC:

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

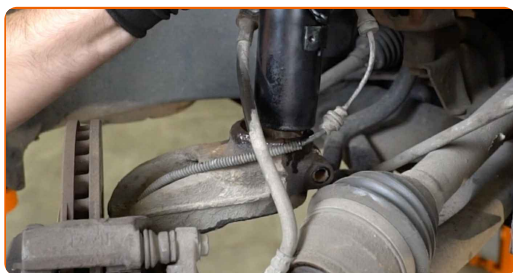
55

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



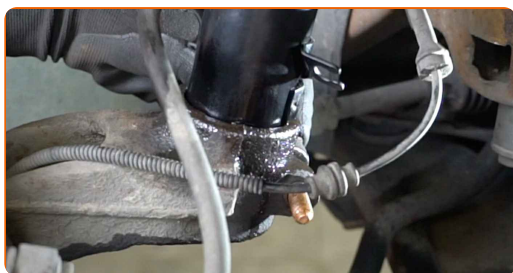
56

Fix the shock absorber strut on the steering knuckle.



57

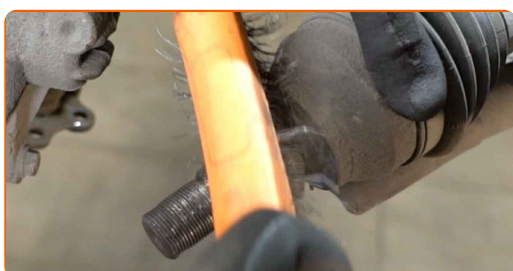
Install the fastening bolt.



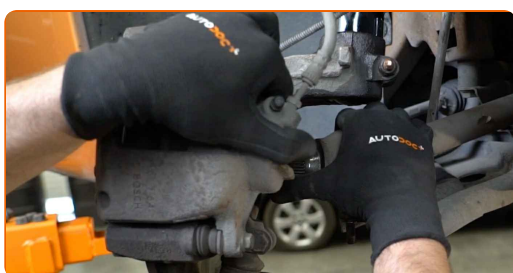
- 58 Screw in the fastener that connects the shock strut to the steering knuckle. Use a drive socket #16. Use a ratchet wrench.



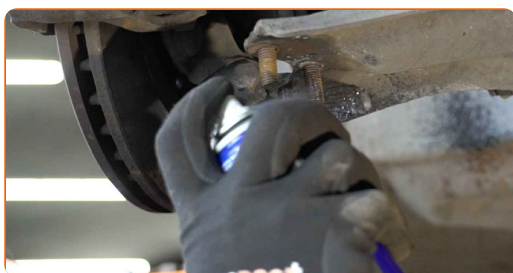
- 59 Clean the splines of the drive shaft CV joint. Use a wire brush. Use WD-40 spray.



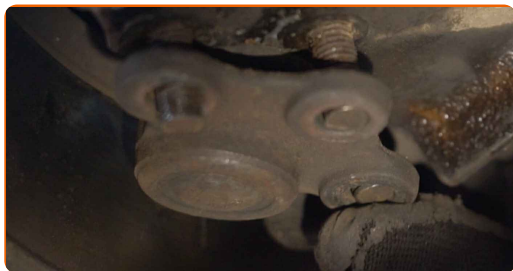
- 60 Install the drive shaft.



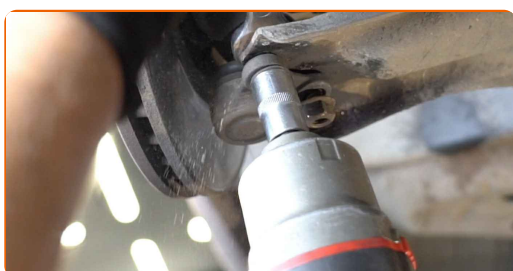
- 61 Clean the fasteners connecting the ball joint to the suspension control arm. Use a wire brush. Use WD-40 spray.



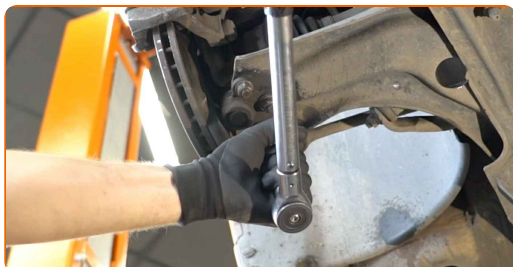
**62** Attach the ball joint to the control arm. Use a crowbar.



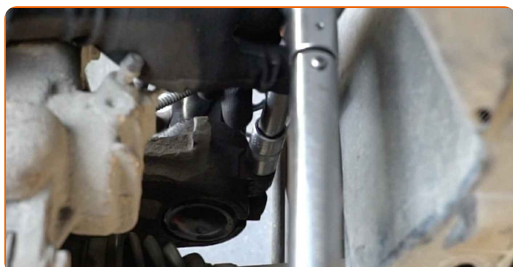
**63** Screw the fasteners of the ball joint. Use a combination spanner #17. Use a drive socket #16. Use a ratchet wrench.



**64** Tighten the fasteners connecting the ball joint to the control arm. Use a drive socket #16. Use a torque wrench. Tighten it to 65 Nm torque.



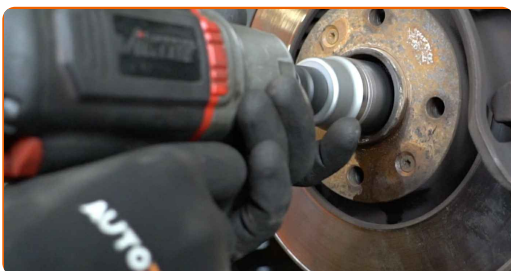
**65** Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a drive socket #16. Use a torque wrench. Tighten it to 55 Nm torque.



**66** Install the fastening nut.



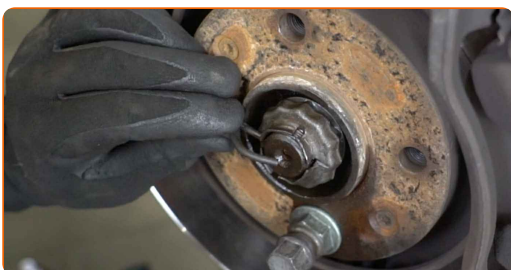
**67** Screw the nut of the drive shaft. Use a drive socket #35. Use a ratchet wrench.



**68** Tighten the drive shaft nut. Use a drive socket #35. Use a torque wrench. Tighten it to 245 nm torque.



**69** Install the CV axle nut cotter pin. Use a crowbar.



**70** Secure the brake hose bracket.

- 71 Tighten the fastener connecting the brake hose bracket to the suspension strut. Use a drive socket #13. Use a torque wrench. Tighten it to 17 nm torque.



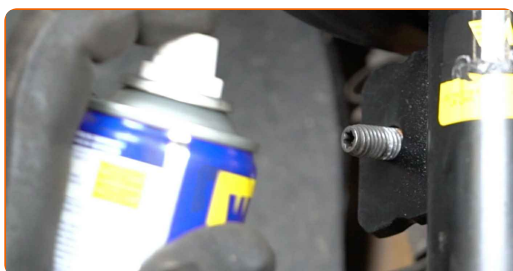
- 72 Connect the ABS sensor wiring.



- 73 Install the transverse stabilizer link.



- 74 Clean the mounting seats of the stabiliser link. Use a wire brush. Use WD-40 spray.



- 75** Tighten the fastener connecting the stabilizer link to the shock strut. Use a drive socket #16. Use a torque wrench. Tighten it to 43 Nm torque.

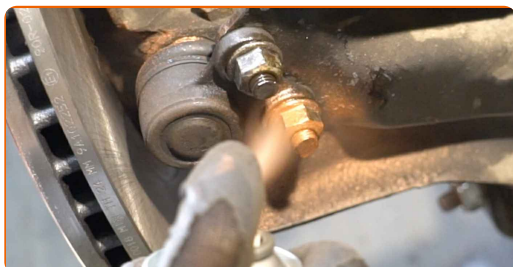


- 76** Remove the support from under the steering knuckle.

**AUTODOC recommends:**

- PEUGEOT 207 SW – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

- 77** Treat all joints of the stabiliser link. Treat the shock strut fasteners. Treat the fasteners of the ball joint. Use copper grease.



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



79

Clean the brake disk surface. Use a brake cleaner.

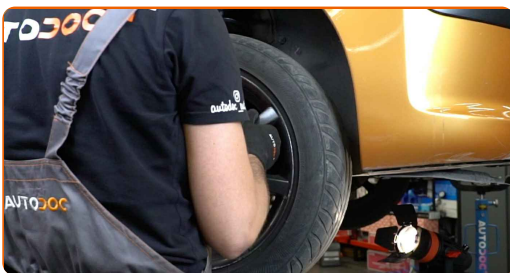


Replacement: suspension strut – PEUGEOT 207 SW. Tip:

- After applying the spray, wait a few minutes.

80

Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. PEUGEOT 207 SW

81

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



- 82** 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 100 Nm torque.



- 83** Remove the jacks and chocks.



- 84** Tighten the upper fastener of the shock absorber strut mount. Use a combination spanner #21. Use HEX No.H7. Use a torque wrench. Tighten it to 75 Nm torque.

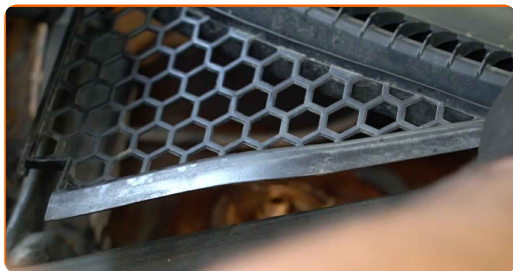


- 85** Treat the fasteners of the shock strut mount. Use copper grease.





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



**87** Reinstall the cabin filter housing cover. Make sure you hear a click indicating that it is locked in place.

**AUTODOC recommends:**

- Replacement: suspension strut – PEUGEOT 207 SW. Do not use excessive force during installation. This may damage the part.

**88** Remove the fender protection cover.

**89** Close the hood.

**WELL DONE!** 

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