



How to change front
suspension strut on **Seat
Leon 1M1** – replacement
guide

VIDEO TUTORIAL



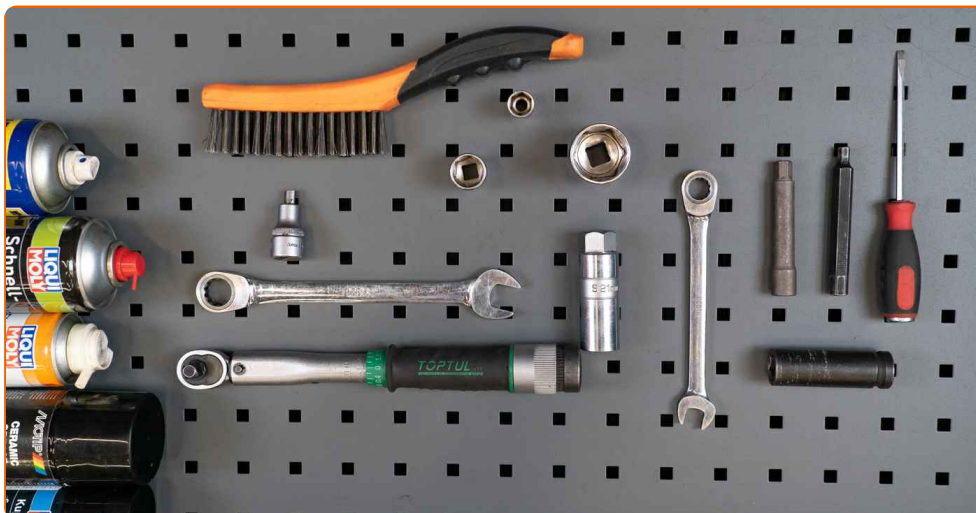
Important!

This replacement procedure can be used for:

SEAT Toledo II Saloon (1M2) 1.6, SEAT Toledo II Saloon (1M2) 1.8 20V, SEAT Toledo II Saloon (1M2) 2.3 V5, SEAT Toledo II Saloon (1M2) 1.9 TDI, SEAT Leon Hatchback (1M1) 1.6, SEAT Leon Hatchback (1M1) 1.8 20V, SEAT Leon Hatchback (1M1) 1.9 TDI, SEAT Leon Hatchback (1M1) 1.4 16V, SEAT Leon Hatchback (1M1) 1.8 20V T, SEAT Leon Hatchback (1M1) 1.9 SDI, SEAT Toledo II Saloon (1M2) 1.4 16V, SEAT Leon Hatchback (1M1) 1.6 16 V, SEAT Toledo II Saloon (1M2) 1.6 16V, SEAT Toledo II Saloon (1M2) 2.3 V5 20V, SEAT Toledo II Saloon (1M2) 1.8 20VT

The steps may slightly vary depending on the car design.

REPLACEMENT: SUSPENSION STRUT – SEAT LEON 1M1. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Electronic spray
- Ceramic grease
- Copper grease
- Torque wrench
- Combination spanner #18
- Drive socket # 13
- Drive socket # 18
- Drive socket # 30
- 21-mm strut nut socket
- Shock absorber socket
- Shock absorber socket #DD9
- HEX bit no.H7
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Hydraulic strut spring compressor
- Flat screwdriver
- Hydraulic transmission jack
- Fender cover
- Wheel chock

BUY TOOLS

Replacement: suspension strut – Seat Leon 1M1. 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.
- Please note: all work on the car – Seat Leon 1M1 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

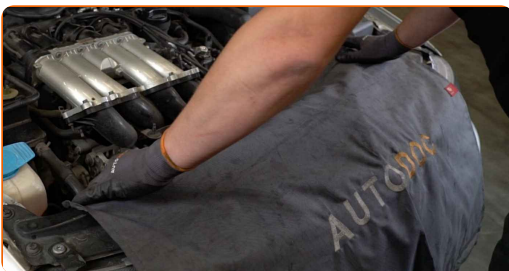
1

Open the bonnet.



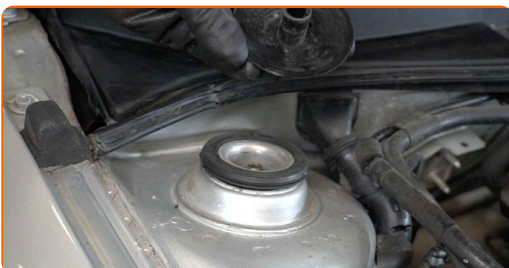
2

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



3

Remove the shock strut mount cap.



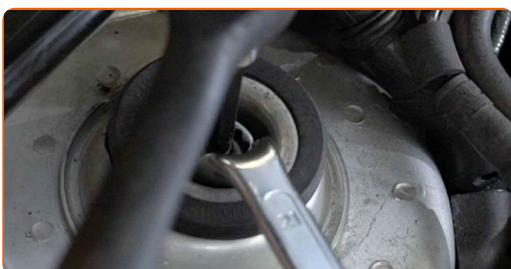
4

Clean the upper fastener of the suspension strut mount. Use a wire brush. Use WD-40 spray.



5

Loosen the upper fastener of the shock strut mount. Use a 21-mm strut nut socket. Use HEX No.H7. Use a ratchet wrench.



6

Secure the wheels with chocks.

7

Loosen the fastener of the driveshaft. Use a drive socket #30. Use a tap wrench.



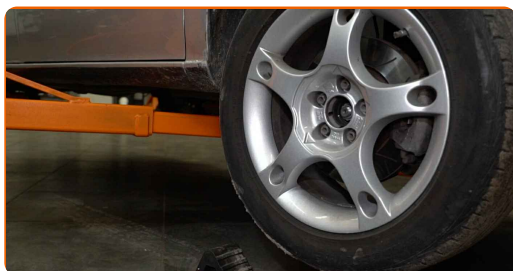
8

Loosen the wheel bolts. Use wheel impact socket #17. Use a tap wrench.



9

Raise the car.



Replacement: suspension strut – Seat Leon 1M1. Tip:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

10

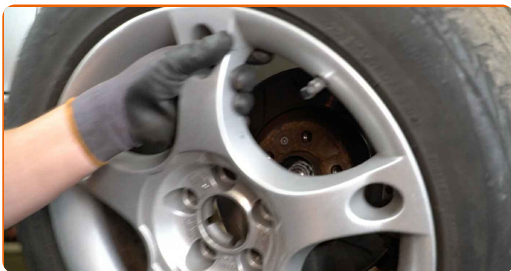
Unscrew the wheel bolts.



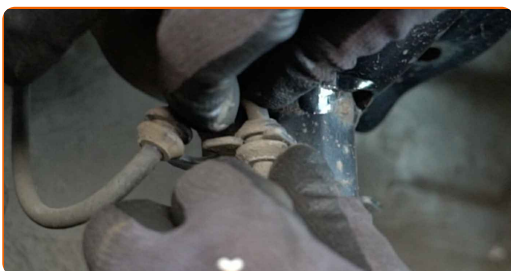
AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Seat Leon 1M1

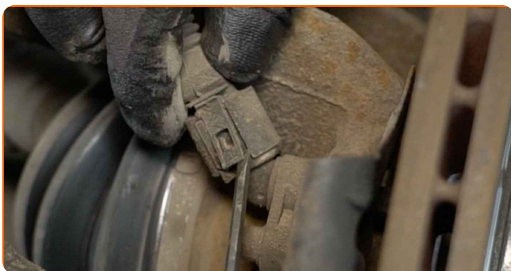
11 Remove the wheel.



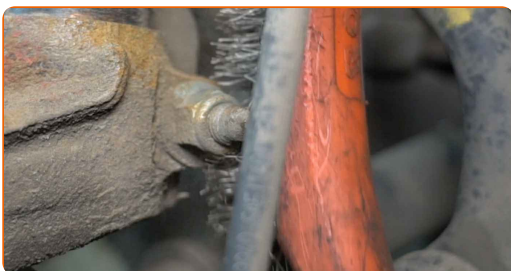
12 Disconnect the ABS sensor wiring.



13 Detach the ABS sensor connector. Use a flat screwdriver.



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



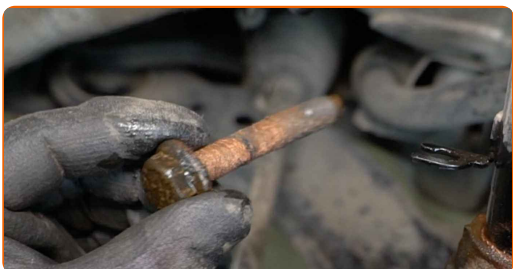
15

Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a drive socket #18. Use a combination spanner #18. Use a ratchet wrench.



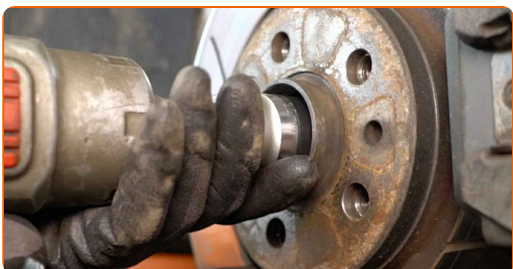
16

Remove the fastening bolt.



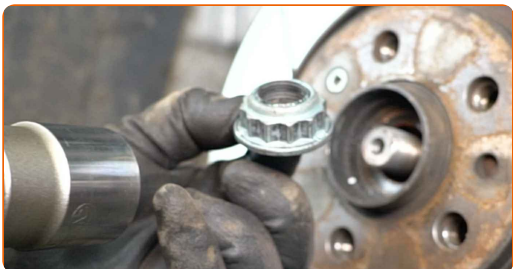
17

Unscrew the fastener connecting the drive shaft to the wheel hub. Use a drive socket #30. Use a ratchet wrench.



18

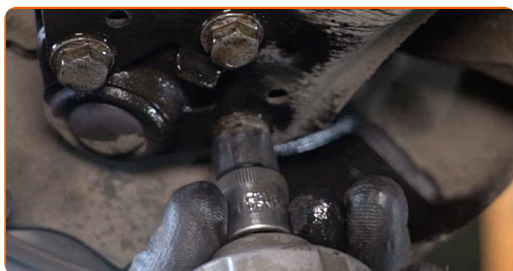
Remove the fastening nut.



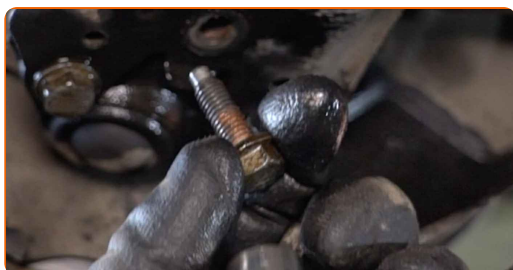
19 Clean the fasteners connecting the ball joint to the suspension control arm. Use a wire brush. Use WD-40 spray.



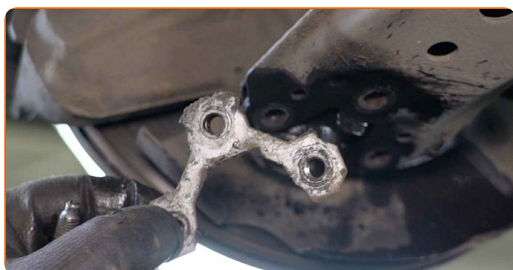
20 Unscrew the fasteners connecting the ball joint to the control arm. Use a drive socket #13. Use a ratchet wrench.



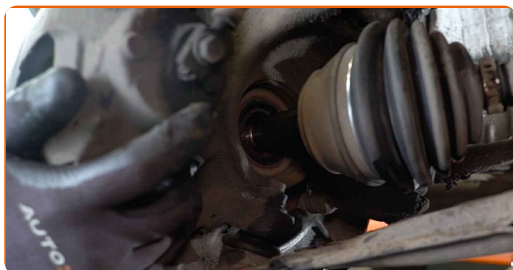
21 Remove the fastening bolts.



22 Disconnect the ball joint from the control arm.



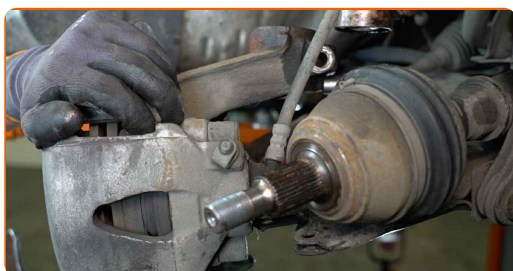
23 Detach the driveshaft from the steering knuckle.



- 24** Release the lower fastener connecting the shock strut to the steering knuckle. Use a special drive socket to remove the shock absorber.

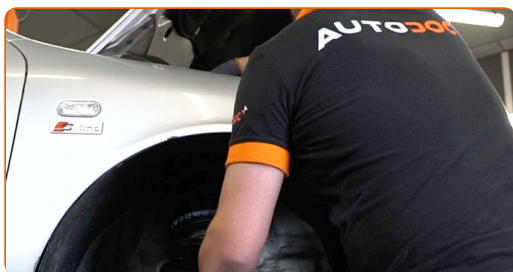


- 25** Disconnect the steering knuckle from the suspension strut.



- 26** Support the steering knuckle. Use a hydraulic transmission jack.

- 27** Unscrew the upper fastener of the suspension strut.

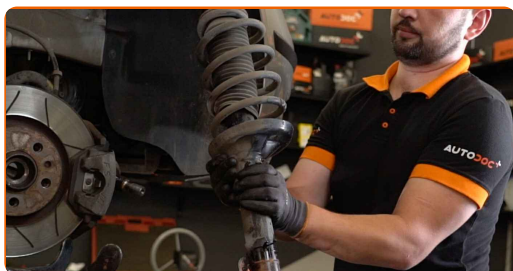


AUTODOC recommends:

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

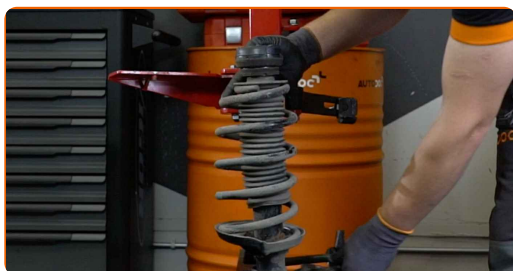
28

Remove the suspension strut.



29

Set the suspension strut on the spring compressor tool.

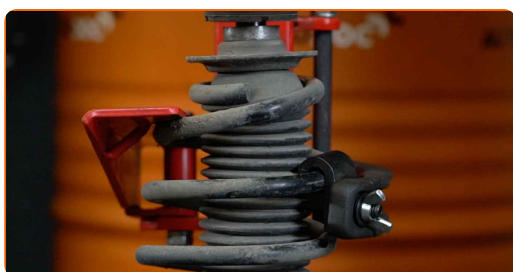


Replacement: suspension strut – Seat Leon 1M1. Tip from AUTODOC experts:

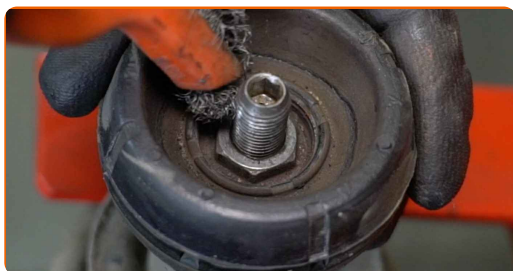
- Note that when using a spring compressor, the spring coils need to be securely gripped, applying pressure on both ends.
- Ensure the correct position of the spring in the retainer.
- Make sure that the spring coils fit tightly into the retainers.

30

Compress the spring.



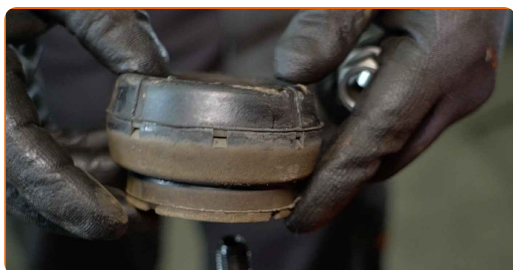
31 Clean the strut piston rod. Use a wire brush. Use WD-40 spray.



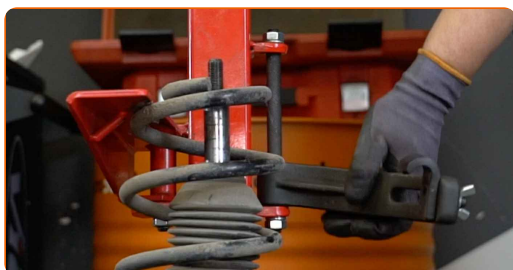
32 Unscrew the strut piston rod nut. Use a 21-mm strut nut socket. Use HEX No.H7. Use a ratchet wrench.



33 Remove the top strut mount.



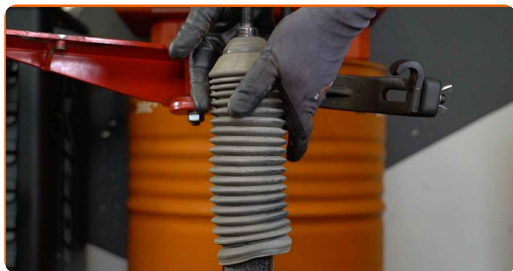
34 Decompress the spring.



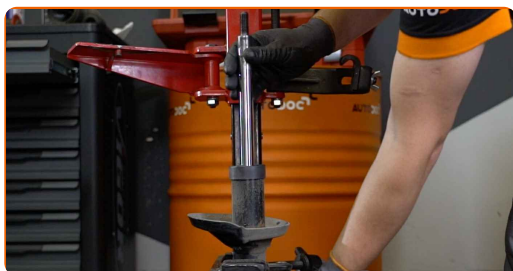
35 Remove the spring.



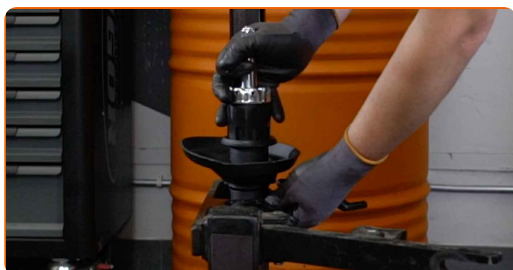
36 Remove the shock absorber dust boot and bump stop.



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



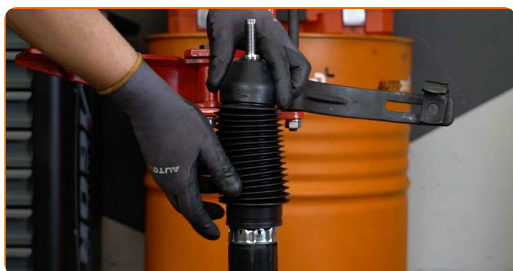
38 Install the new shock absorber on the hydraulic coil spring compressor.



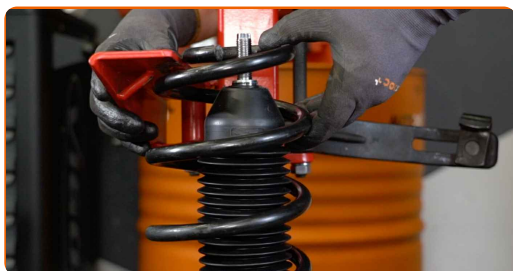
Replacement: suspension strut – Seat Leon 1M1. Professionals recommend:

- Before installing a new shock absorber you should pump it 3–5 times by hand.

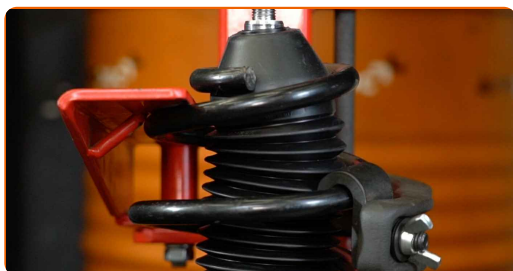
39 Install the dust boot and the bump stop on the new shock absorber.



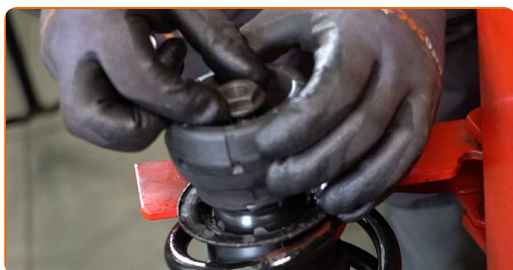
40 Install the spring on the shock absorber.



41 Compress the spring.



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



43 Tighten the nut of the suspension strut piston rod. Use a 21-mm strut nut socket. Use a shock absorber socket #DD9. Use a torque wrench. Tighten it to 60 Nm torque.

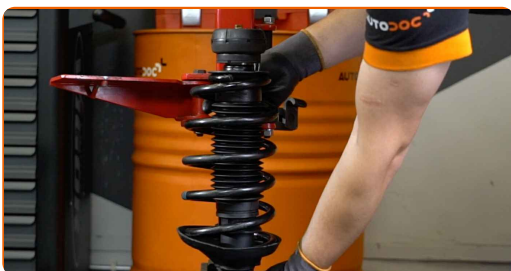


44 Treat the shock strut rod. Use copper grease.

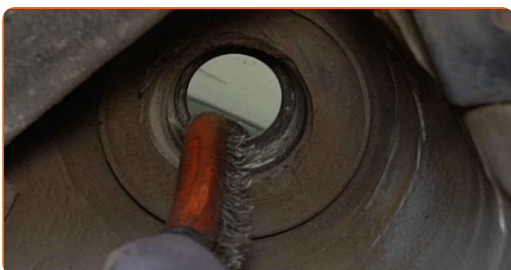
45 Decompress the spring.



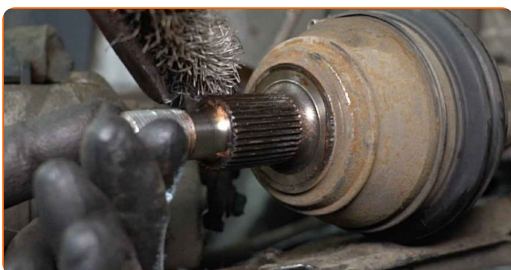
46 Remove the assembled shock strut.



47 Clean the mounting seats of the shock strut. Use a wire brush. Use WD-40 spray.

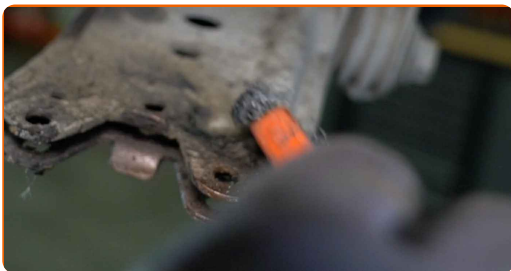


48 Clean the splines of the drive shaft CV joint. Use a wire brush. Use WD-40 spray.

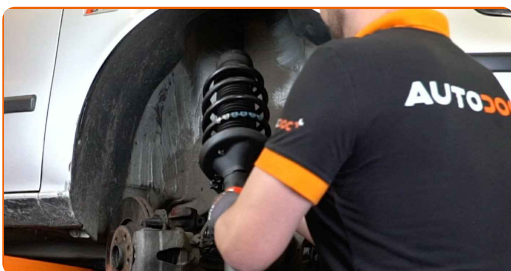


49 Treat the splines of the driveshaft CV joint. Use copper grease.

50 Clean the ball joint mounting seat. Use a wire brush. Use WD-40 spray.



51 Install the suspension strut into the wheel arch.



52 Screw in the top fasteners of the suspension strut mount.



AUTODOC recommends:

- Do not tighten it.

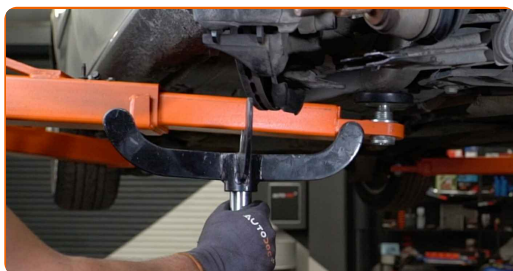
53 Fasten the suspension strut on the steering knuckle.



54 Install the fastening bolt.



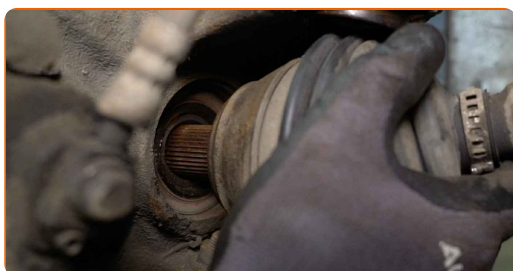
55 Remove the support from under the steering knuckle.



AUTODOC recommends:

- Replacement: suspension strut – Seat Leon 1M1. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

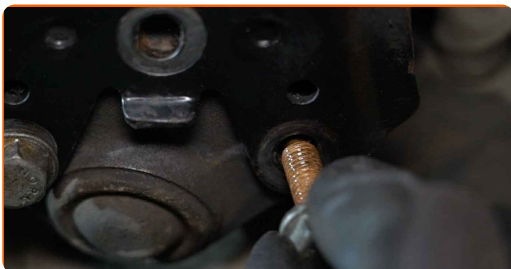
56 Install the drive shaft.



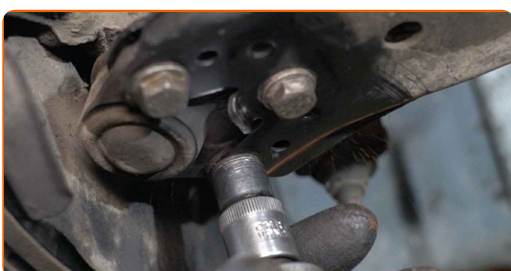
57 Attach the ball joint to the control arm.



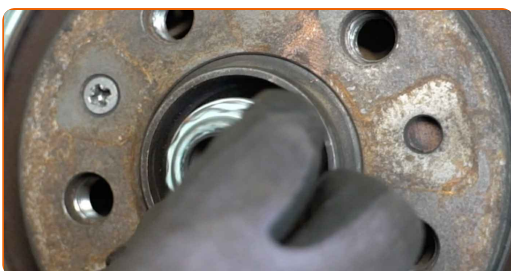
58 Install the fastening bolts.



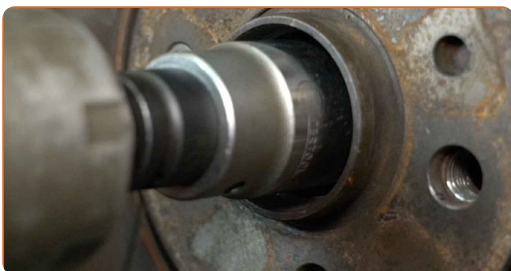
59 Tighten the fasteners that connect the ball joint to the suspension arm. Use a drive socket #13. Use a ratchet wrench.



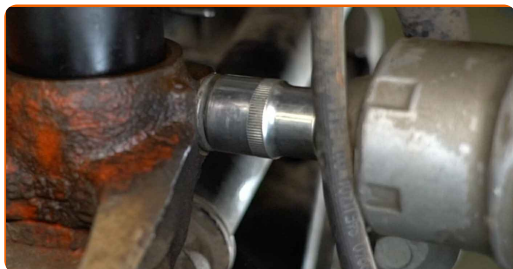
60 Install the fastening nut.



61 Screw in the fastener of the CV axle. Use a drive socket #30. Use a ratchet wrench.



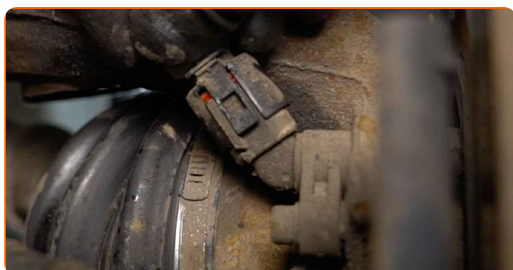
62 Screw in the lower fastener of the shock strut. Use a drive socket #18. Use a ratchet wrench.



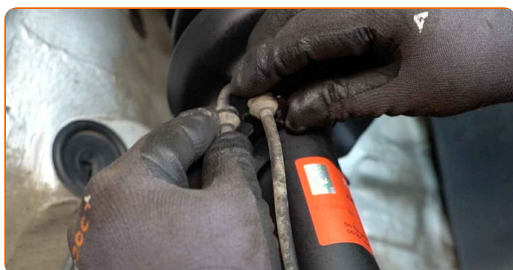
63 Treat the ABS sensor connector. Use dielectric grease.



64 Attach the ABS sensor connector.



65 Connect the ABS sensor wiring.



66 Tighten the lower fasteners of the suspension strut. Use a drive socket #18. Use a torque wrench. Tighten it to 50 Nm torque. +90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

67 Tighten the fasteners connecting the ball joint to the control arm. Use a drive socket #13. Use a torque wrench. Tighten it to 20 Nm torque.+90°



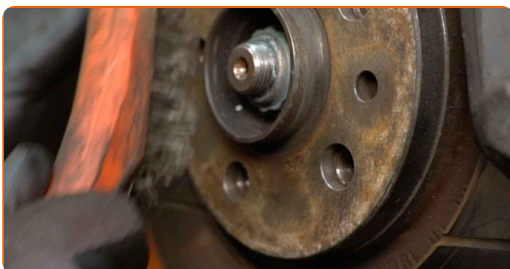
Replacement: suspension strut – Seat Leon 1M1. AUTODOC recommends:

- Important! Be sure to use new fasteners.

68 Treat the fastener that connects the suspension strut to the steering knuckle. Use copper grease.

69 Treat the fasteners of the ball joint. Use copper grease.

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



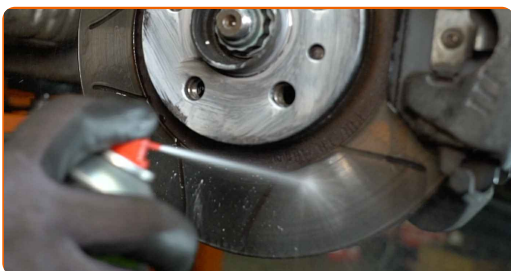
71

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



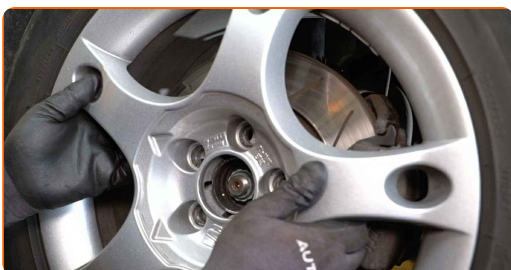
72

Clean the brake disk surface. Use a brake cleaner.



73

Install the wheel.

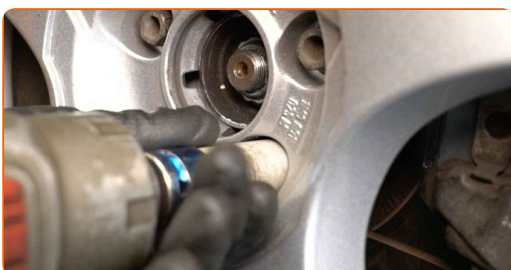


AUTODOC recommends:

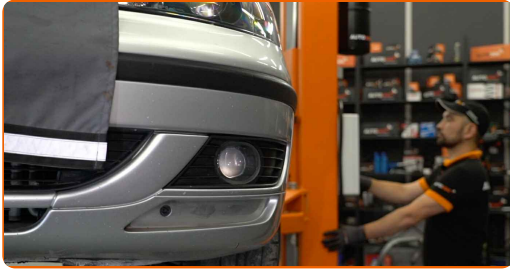
- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Seat Leon 1M1

74

Screw in the wheel bolts. Use wheel impact socket #17. Use a ratchet wrench.



75 Lower the car.



76 Tighten the drive shaft nut. Use a drive socket #30. Use a torque wrench. Tighten it to 200 Nm torque.



77 Tighten the wheel bolts using a criss-cross pattern. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.



78 Remove the jacks and chocks.

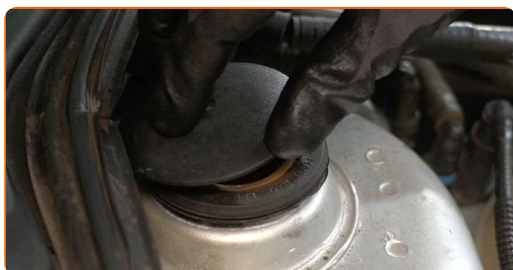


- 79 Tighten the top fasteners of the suspension strut. Use a 21-mm strut nut socket. Use a shock absorber socket #DD9. Use a torque wrench. Tighten it to 60 Nm torque.

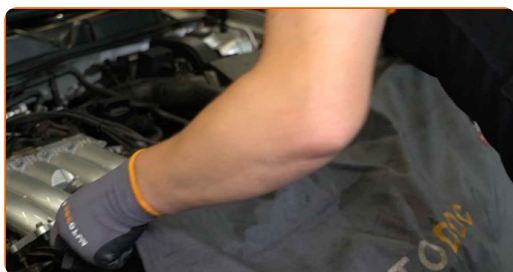


- 80 Treat the upper fastener of the suspension strut mount. Use copper grease.

- 81 Install the shock strut mount cap.



- 82 Remove the fender protection cover.



83

Close the bonnet.



WELL DONE! 

VIEW MORE TUTORIALS

AUTODOC – TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

AUTODOC MOBILE APP: GREAT DEALS AND CONVENIENT SHOPPING



+ AUTODOC

GET IT ON  **Google Play**

 **Download on the App Store**

Download

A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

BUY SPARE PARTS FOR SEAT

SHOCK ABSORBERS: A WIDE SELECTION

CHOOSE CAR PARTS FOR SEAT LEON 1M1

SHOCK ABSORBERS FOR SEAT: BUY NOW

**SHOCK ABSORBERS FOR SEAT LEON 1M1: THE BEST DEALS
& OFFERS**

DISCLAIMER:

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.

© Copyright 2023 – All the contents of this website, in particular texts, photographs and graphics, are protected by copyright. All rights, including reproduction, publication, editing and translation rights, are reserved by AUTODOC SE.