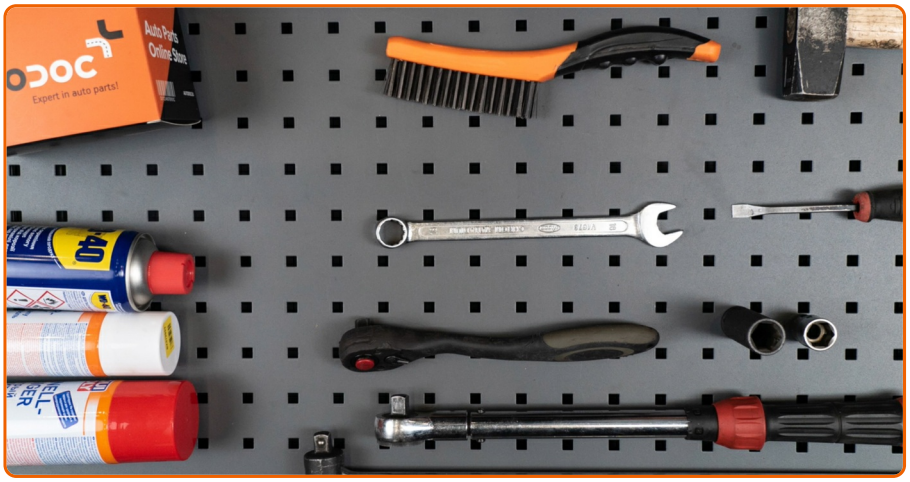
VIDEO TUTORIAL

ⓘ Important!

This replacement procedure can be used for:
DAIHATSU SIRION (M3_) 1.0, VW CADDY III Box Body/MPV (2KA, 2KH, 2CA, 2CH) 2.0 TDI, VW CADDY III MPV (2KB, 2KJ, 2CB, 2CJ) 2.0 TDI, VW EOS (1F7, 1F8) 2.0 TDI, VW GOLF PLUS V (5M1, 521) 2.0 TDI, VW GOLF V (1K1) 2.0 TDI, VW GOLF V (1K1) 2.0 TDI 4motion, VW GOLF V Variant (1K5) 2.0 TDI, VW JETTA III (1K2) 2.0 TDI, VW TOURAN (1T1, 1T2) 2.0 TDI

The steps may slightly vary depending on the car design.

REPLACEMENT: SUSPENSION STRUT – VW TOURAN 1T1 1T2. TOOLS YOU NEED:



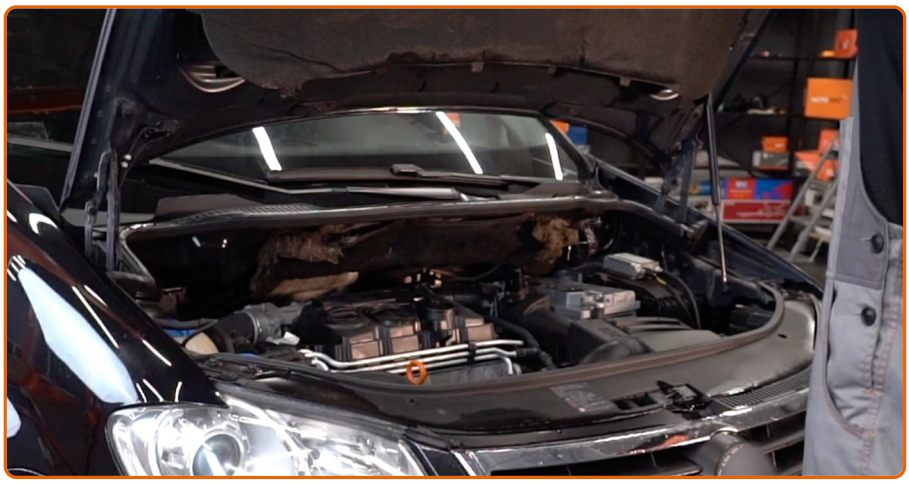
- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #11
- Combination spanner #17
- Combination spanner #21
- HEX bit no.H6.
- Torx bit T30
- XZN socket bit # 12
- Drive socket # 13
- Drive socket # 16
- Drive socket # 18
- Drive socket # 19
- Drive socket # 21
- Drive socket # 24
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Shock absorber socket
- Tap wrench
- Crow bar
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Fender cover
- Wheel chock

Replacement: suspension strut – VW Touran 1T1 1T2. 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: SUSPENSION STRUT – VW TOURAN 1T1 1T2. 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

Remove the cowl grille seal.

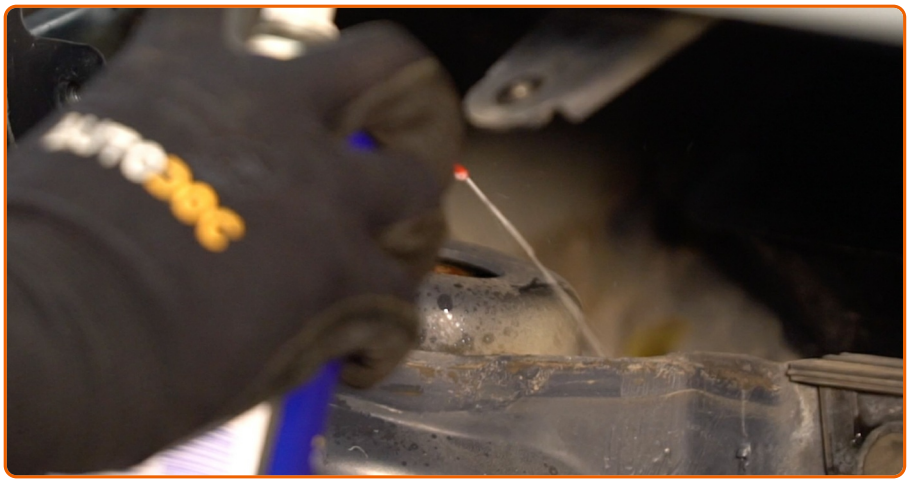
4

Unscrew the fasteners of the windscreen wiper scuttle tray. Use Torx T30.

5

Remove the windscreen wiper scuttle tray.

6



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

7

Loosen the upper fastener of the shock strut mount. Use a drive socket #13. Use a ratchet wrench.

8

Secure the wheels with chocks.

9

Loosen the wheel hub fastener. Use a drive socket #24. Use a tap wrench.

10

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

11

Raise the front of the car and secure on supports.

12

Unscrew the wheel bolts.

AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. VW Touran 1T1 1T2

13

Remove the wheel.

14

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

15

Unscrew the fastener connecting the stabilizer link to the shock strut. Use a drive socket #19. Use a ratchet wrench.

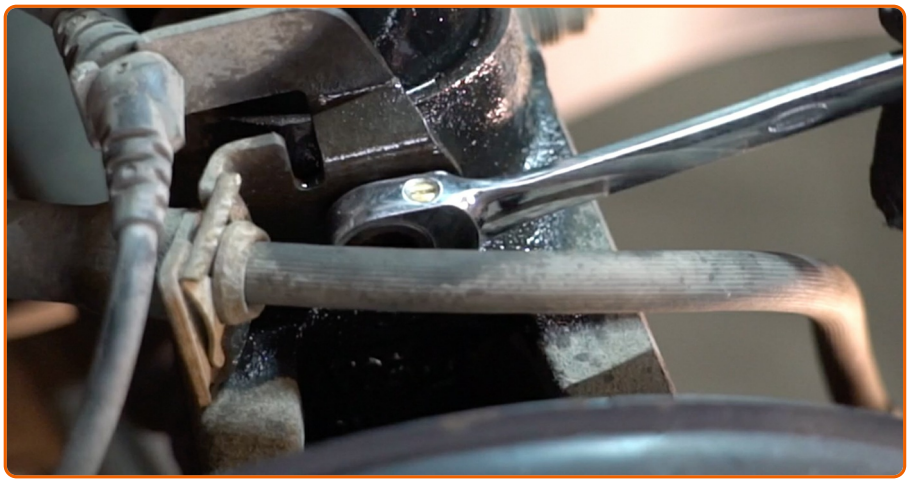
16

Remove the stabilizer rod.

17

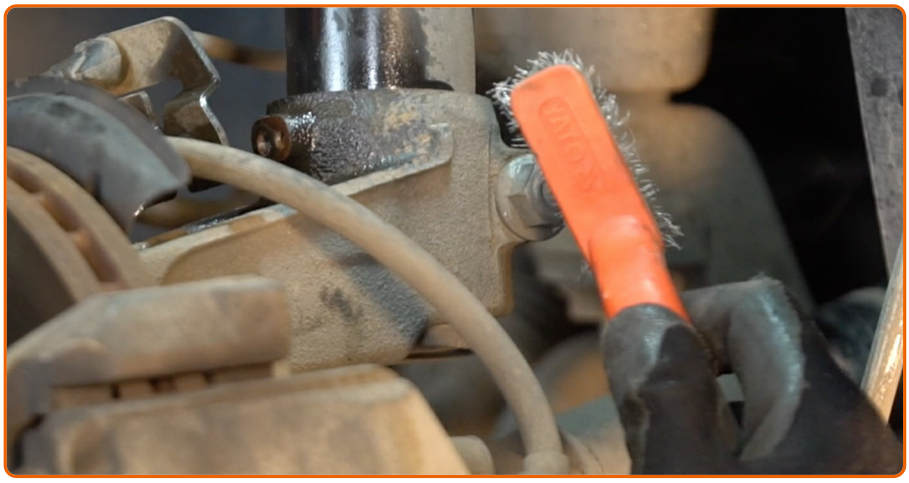
Clean the brake hose bracket fasteners. Use a wire brush. Use WD-40 spray.

18



Unscrew the bolt and remove the mounting bracket of the brake hose and the ABS cable. Use a combination spanner #11.

19



Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.

20

Unscrew the lower fastener of the shock absorber strut. Use a drive socket #18. Use XZN #12. Use a tap wrench. Use a ratchet wrench.

21

Remove the fastening bolt. Use a drive socket #18. Use XZN #12.

22

Remove the fastening bolt. Use a drive socket #24.

23

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

24

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

25

Unscrew the fastener connecting the ball joint to the suspension control arm. Use a drive socket #16. Use a tap wrench.

26

Disconnect the spherical joint from the arm. Use a crowbar.

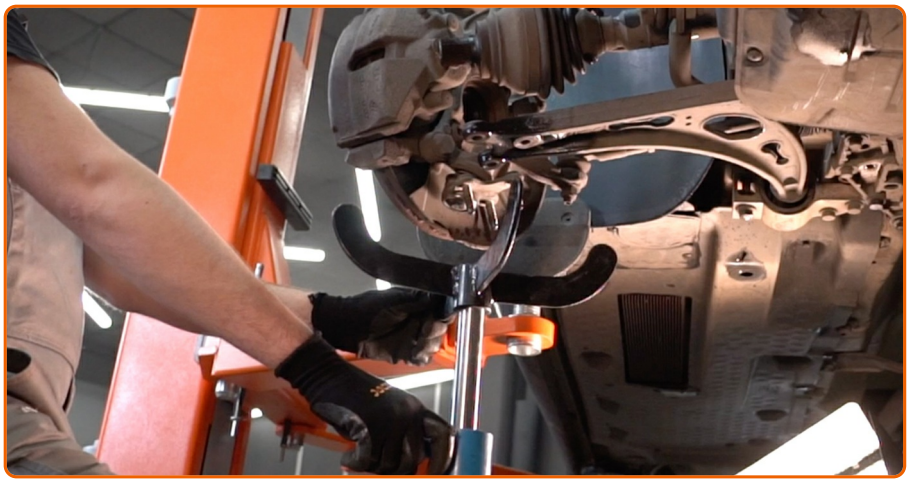
27

Remove the drive shaft from the wheel hub.

Replacement: suspension strut – VW Touran 1T1 1T2. Professionals recommend:

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

28

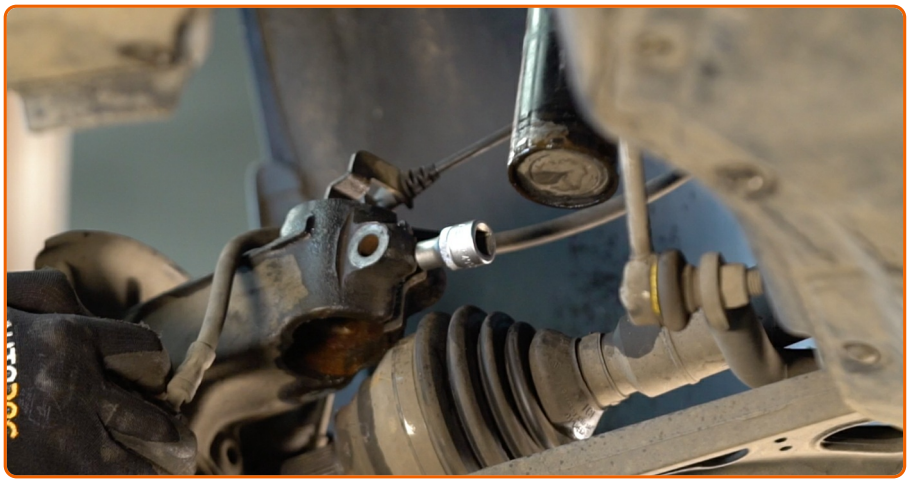


Prop up the steering knuckle. Use a hydraulic transmission jack.

29

Release the lower fastener connecting the shock strut to the steering knuckle. Use a special drive socket to remove the shock absorber. Use a ratchet wrench.

30



Disconnect the steering knuckle from the shock absorber strut.

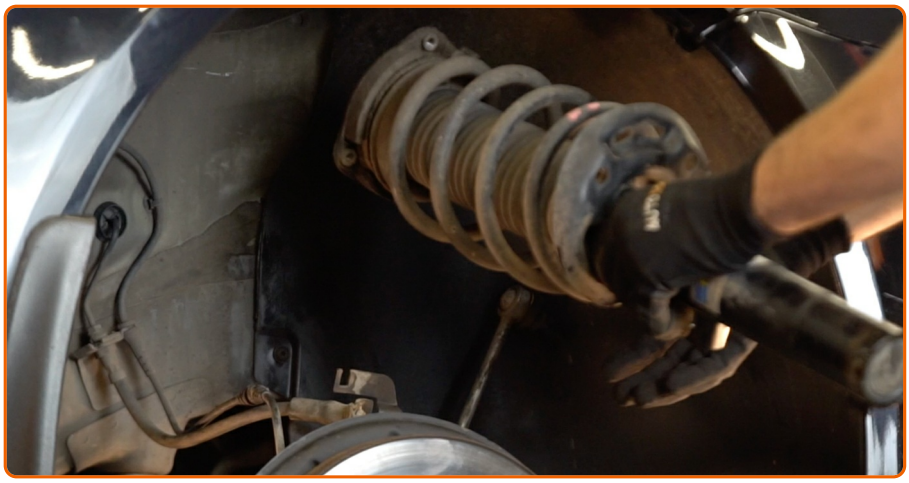
31

Unscrew the top fastening of the shock strut mount. Use a drive socket #13.

Replacement: suspension strut – VW Touran 1T1 1T2. AUTODOC recommends:

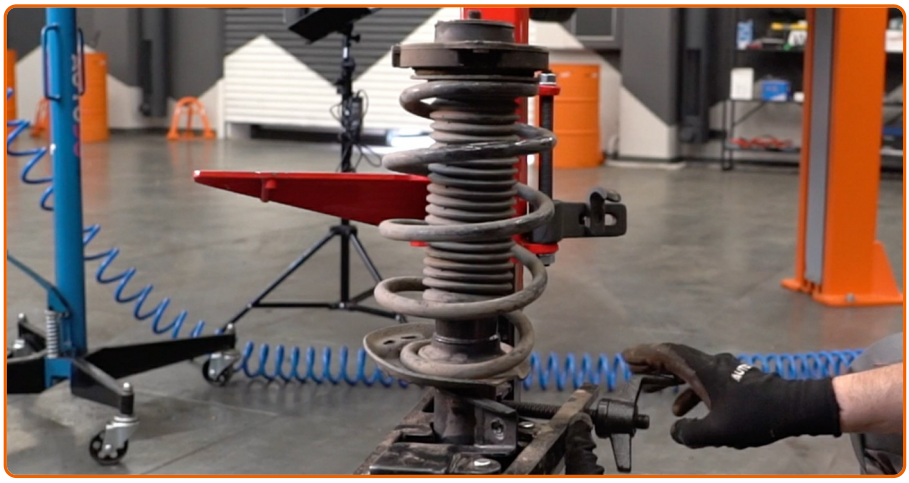
- To avoid injuries, hold the shock strut when undoing the fastening bolts.

32



Remove the suspension strut.

33



Set the shock absorber strut on the spring compressor tool.

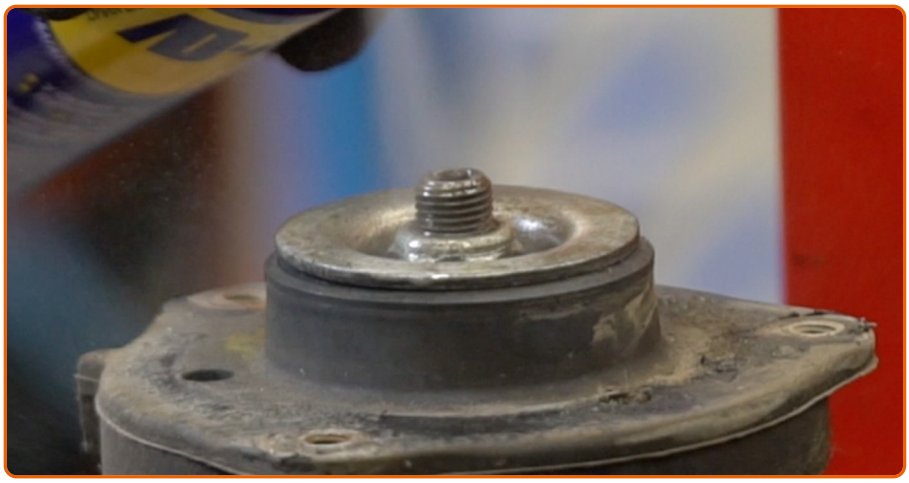
Replacement: suspension strut – VW Touran 1T1 1T2. Tip from AUTODOC experts:

- 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 HEX No.H6. Use a combination spanner #21. Use a ratchet wrench.

37

Remove the top strut mount.

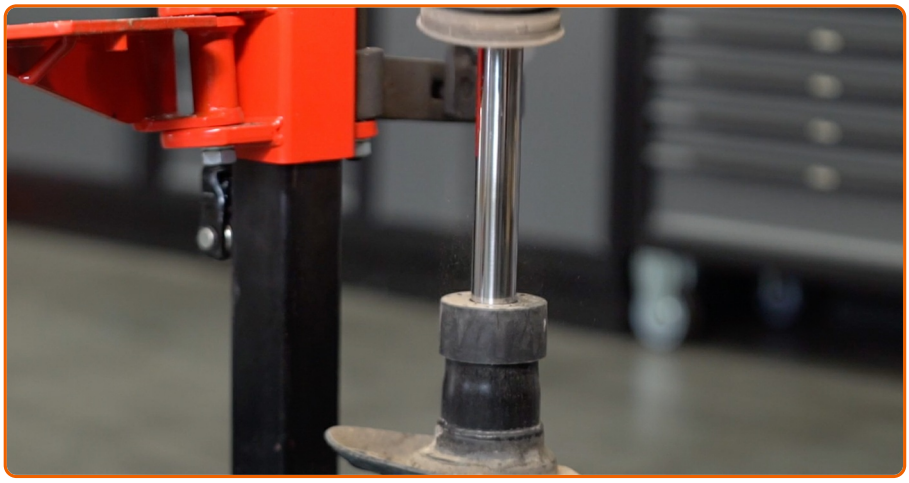
38

Release the coil spring.

39

Remove the spring.

40



Remove the shock absorber dust cap and the bump stop.

Replacement: suspension strut – VW Touran 1T1 1T2. Professionals recommend:

- Thoroughly examine the shock absorber mount, dust boot, bump stop. Replace them if necessary.

41

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

Replacement: suspension strut – VW Touran 1T1 1T2. Tip:

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

42

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

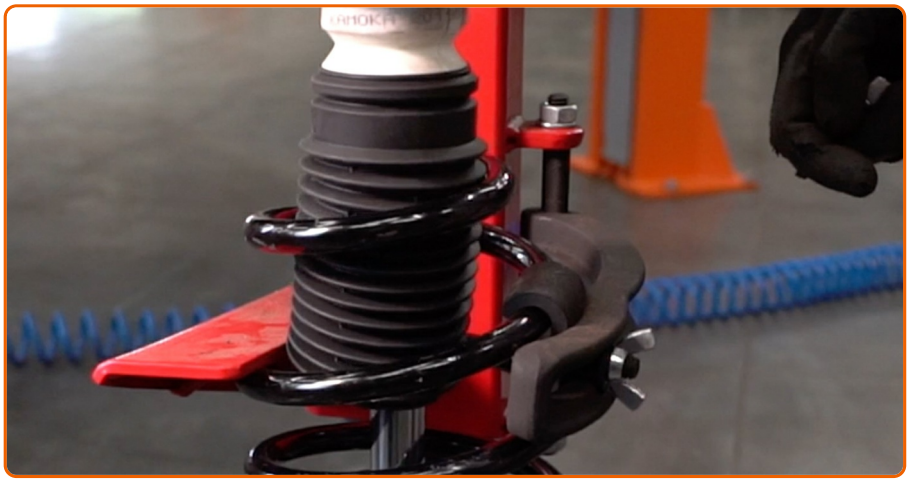
43

Install the spring on the shock absorber.

44

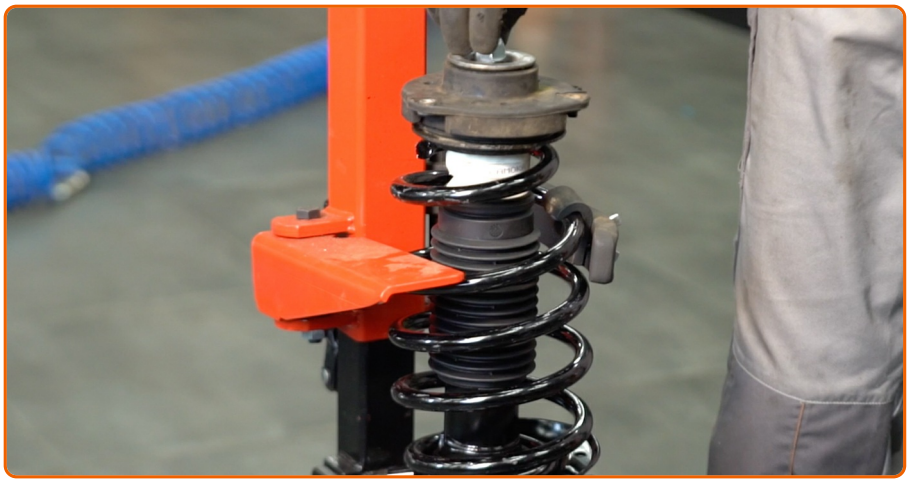
Compress the spring.

45



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

46



Install the upper strut mount and the strut mount bearing.

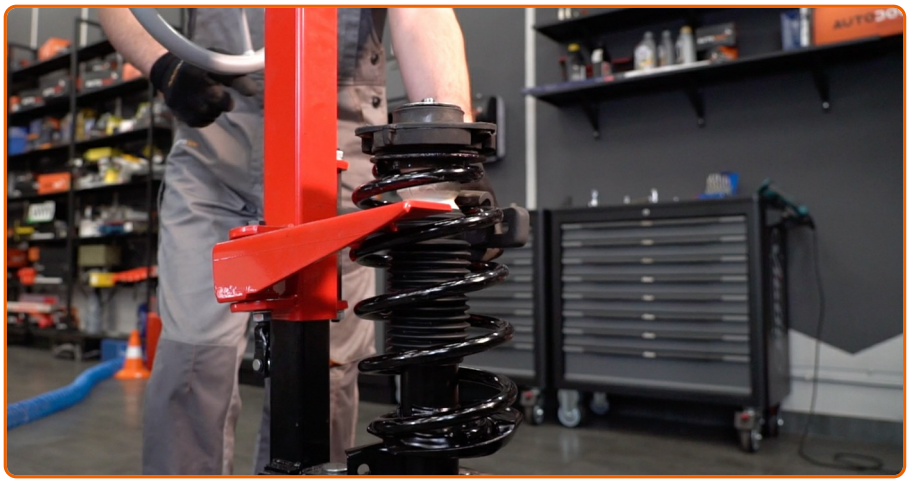
47

Tighten the shock strut piston rod nut. Use HEX No.H6. Use a drive socket #21. Use a torque wrench. Tighten it to 60 nm torque.

Replacement: suspension strut – VW Touran 1T1 1T2. AUTODOC recommends:

- 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

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

AUTODOC recommends:

- Important! Hold the suspension strut while screwing in the fastening bolts. VW Touran 1T1 1T2

52

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

53

Fix the shock absorber strut on the steering knuckle.

54

Install the fastening bolt.

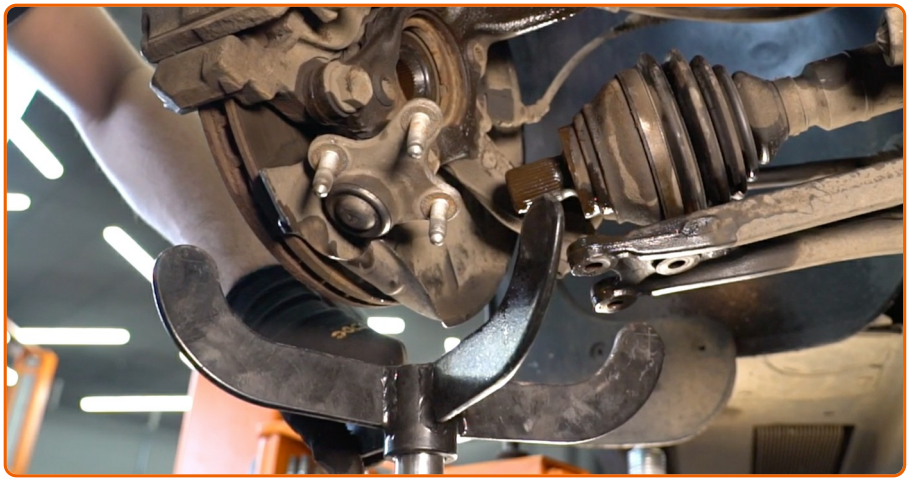
55

Screw in the fastener that connects the shock strut to the steering knuckle. Use a drive socket #18. Use XZN #12. Use a ratchet wrench.

56

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

57



Remove the support from under the steering knuckle.

Replacement: suspension strut – VW Touran 1T1 1T2. AUTODOC experts recommend:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

58

Mount the drive shaft into the wheel hub.

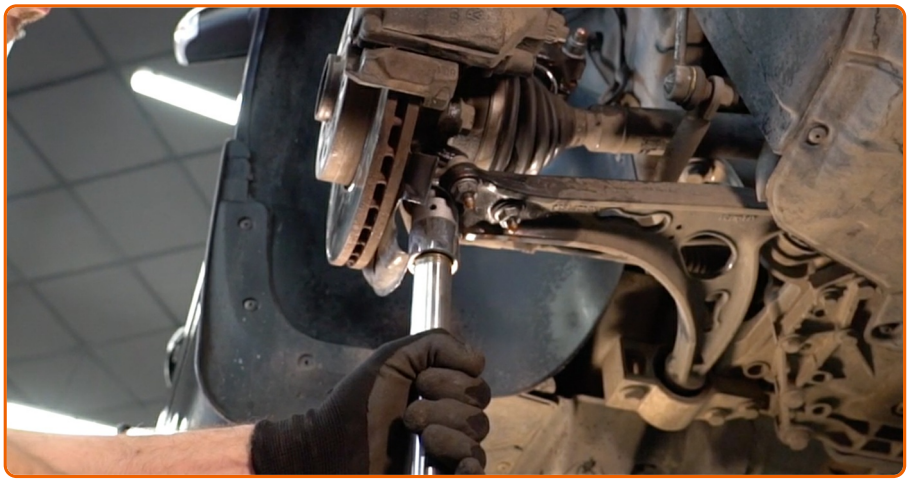
59

Attach the ball joint to the control arm.

60

Tighten the ball joint fastener. Use a drive socket #16. Use a torque wrench. Tighten it to 50 nm torque.

61



Support the arm. Use a hydraulic transmission jack.

62

Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a drive socket #18. Use a torque wrench. Tighten it to 125 nm torque.

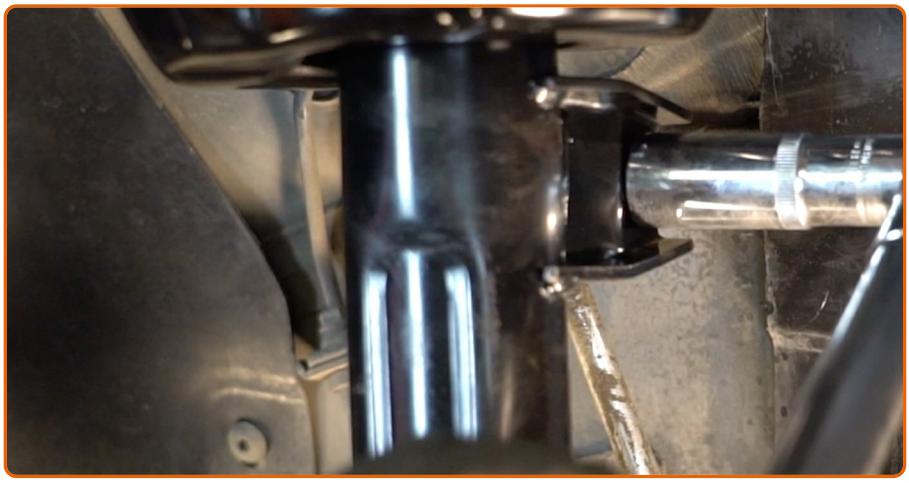
63

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

64

Install the transverse stabilizer link.

65



Tighten the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #17. Use a drive socket #19. Use a torque wrench. Tighten it to 60 nm torque.

66

Treat all joints of the stabiliser link. Use copper grease.

67

Remove the support from under the arm.

AUTODOC recommends:

- VW Touran 1T1 1T2 – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

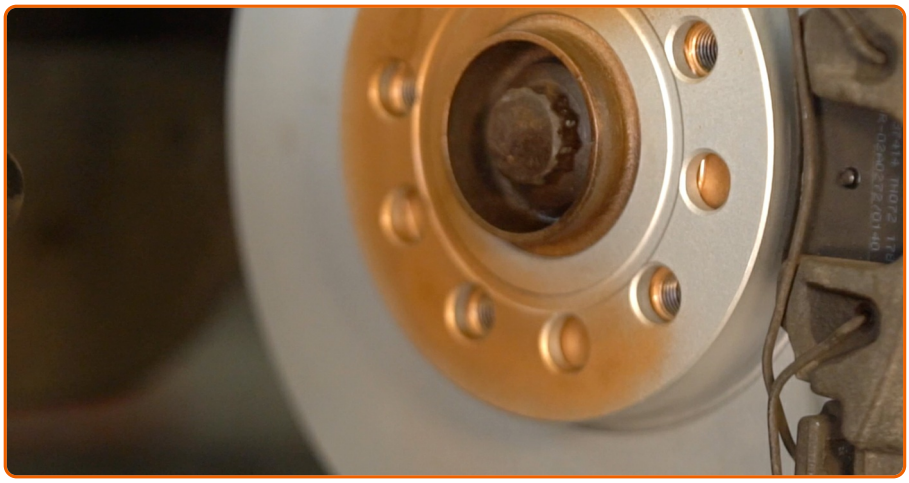
68

Install and tighten the drive shaft bolt. Use a drive socket #24.

69

Install the mounting bracket of the brake hose and the ABS cable. Use a combination spanner #11.

70



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

71

Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: suspension strut – VW Touran 1T1 1T2. After applying the spray, wait a few minutes.

72

Install the wheel.

AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. VW Touran 1T1 1T2

73

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

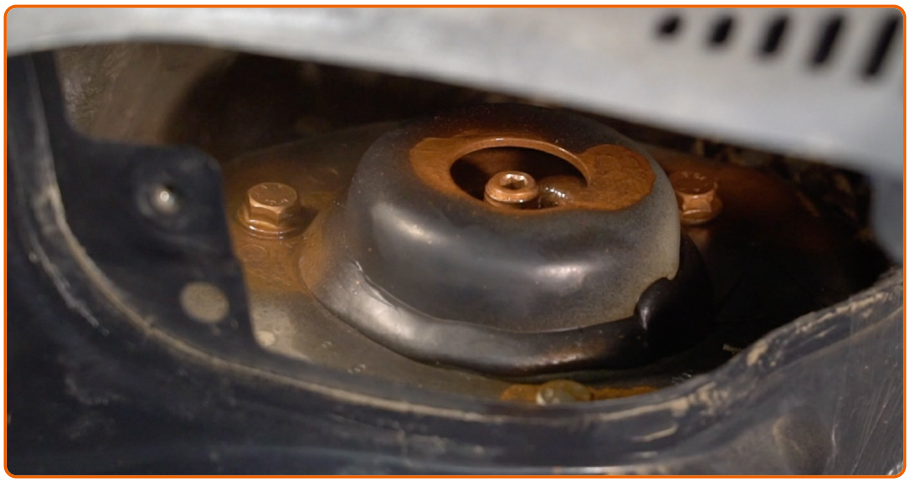
74

Lower the car.

75

Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #13. Use a torque wrench. Tighten it to 65 nm torque.

76



Treat the fasteners of the shock strut mount. Use copper grease.

77

Install the windscreen wiper scuttle tray.

78

Screw in the fasteners of the windscreen wiper scuttle tray. Use Torx T30.

79

Install the cowl grille seal.

80

Tighten the wheel bolts using a criss-cross pattern. Use a torque wrench. Tighten it to 120 Nm torque.

81

Tighten the bolt connecting the drive shaft to the wheel hub. Use a drive socket #24. Use a torque wrench. Tighten it to 155 nm torque.

82

Remove the jacks and chocks.

83

Remove the fender protection cover.

84

Close the hood.

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YES NO

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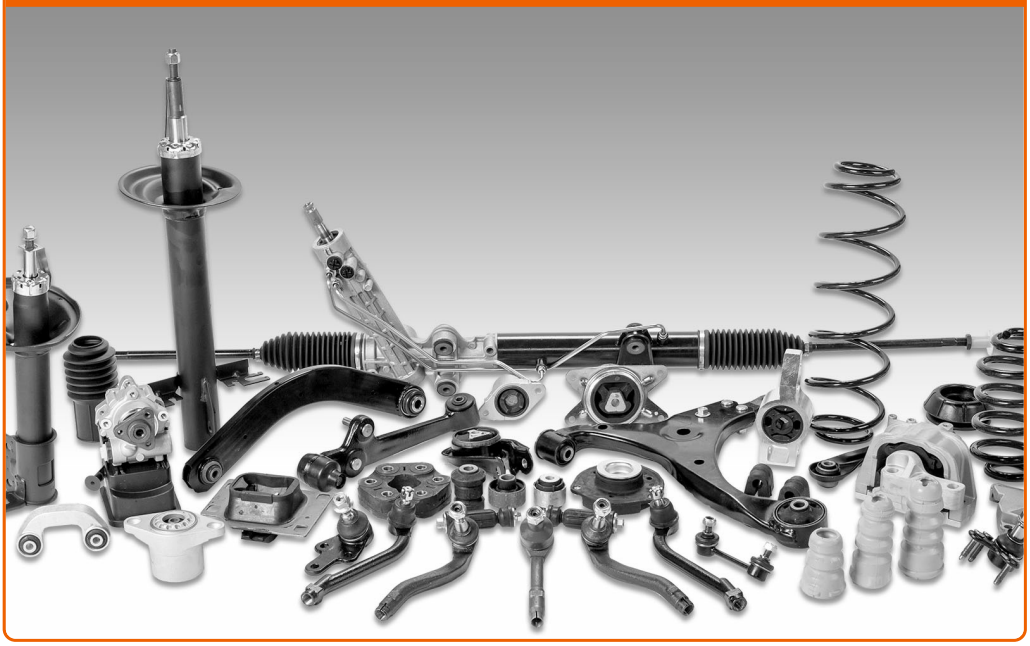

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