



How to change front
shock absorbers on **VW
Transporter T4 Platform
/ Chassis (70E, 70L, 70M,
7DE, 7DL, 7D) –
replacement guide**

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

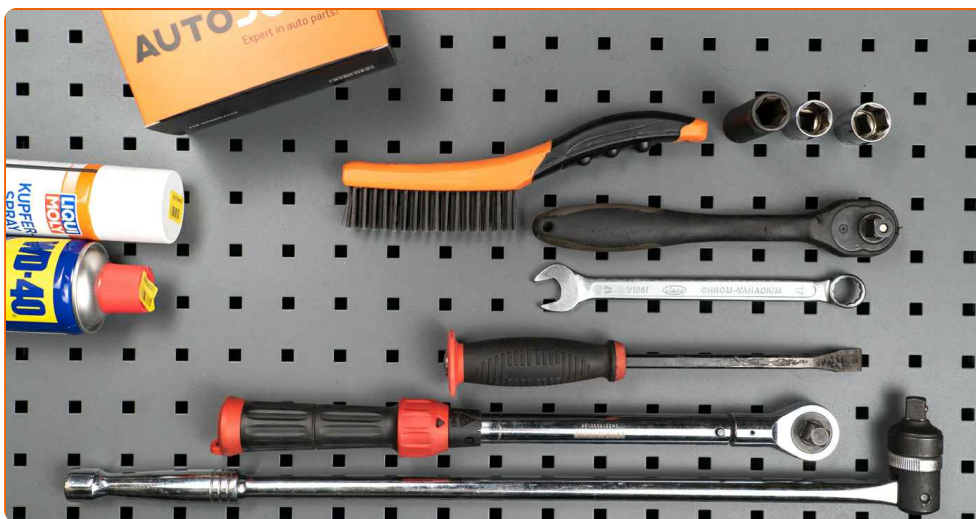
This replacement procedure can be used for:

VW Transporter T4 Platform / Chassis (70E, 70L, 70M, 7DE, 7DL, 7D) 1.9 D, VW Transporter T4 Platform / Chassis (70E, 70L, 70M, 7DE, 7DL, 7D) 1.9 TD, VW Transporter T4 Platform / Chassis (70E, 70L, 70M, 7DE, 7DL, 7D) 2.4 D, VW Transporter T4 Platform / Chassis (70E, 70L, 70M, 7DE, 7DL, 7D) 2.5, VW Transporter T4 Platform / Chassis (70E, 70L, 70M, 7DE, 7DL, 7D) 2.5 Syncro, VW Transporter T4 Platform / Chassis (70E, 70L, 70M, 7DE, 7DL, 7D) 2.0, VW Transporter T4 Platform / Chassis (70E, 70L, 70M, 7DE, 7DL, 7D) 2.4 D Syncro, VW Transporter T4 Platform / Chassis (70E, 70L, 70M, 7DE, 7DL, 7D) 2.5 TDI, VW Transporter T4 Platform / Chassis (70E, 70L, 70M, 7DE, 7DL, 7D) 2.5 TDI Syncro, VW Transporter T4 Platform / Chassis (70E, 70L, 70M, 7DE, 7DL, 7D) 1.8

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: VW Transporter T4 Minibus (70B, 70C, 7DB, 7DK, 70J, 70K, 7DC, 7DJ) 2.5 TDI

**REPLACEMENT: SHOCK ABSORBERS – VW
TRANSPORTER T4 PLATFORM / CHASSIS (70E, 70L,
70M, 7DE, 7DL, 7D). TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Copper grease
- Combination spanner #17
- Drive socket # 18
- Drive socket # 21
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Crow bar
- Vice
- Hydraulic transmission jack
- Wheel chock

Buy tools

Replacement: shock absorbers – VW Transporter T4 Platform / Chassis (70E, 70L, 70M, 7DE, 7DL, 7D). Tip from AUTODOC experts:

- Replace both front shock absorbers at a time.
- The replacement procedure is identical for the left and right shock absorbers of the front suspension.
- Please note: all work on the car – VW Transporter T4 Platform / Chassis (70E, 70L, 70M, 7DE, 7DL, 7D) – 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.

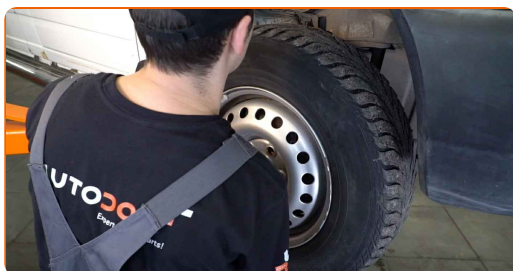
4 Unscrew the wheel bolts.



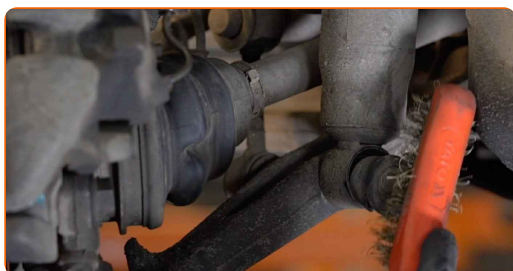
Replacement: shock absorbers – VW Transporter T4 Platform / Chassis (70E, 70L, 70M, 7DE, 7DL, 7D). AUTODOC recommends:

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

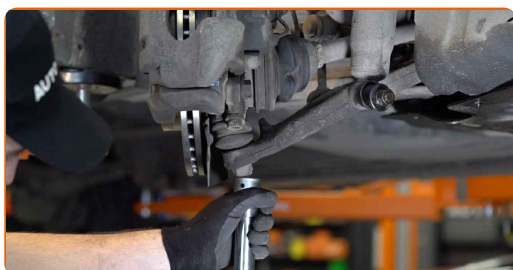
5 Remove the wheel.



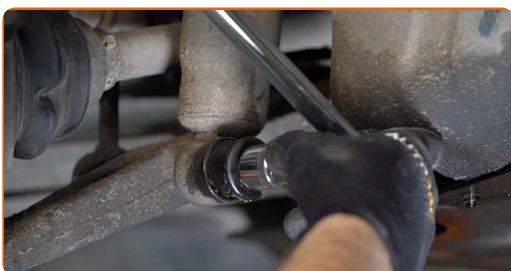
6 Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.



7 Support the arm. Use a hydraulic transmission jack.



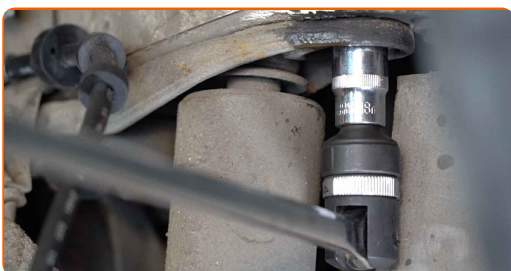
- 8** Unscrew the lower fastener of the shock absorber. Use a drive socket #21. Use a ratchet wrench. Use a tap wrench.



AUTODOC recommends:

- If necessary, remove the rubber bush of the shock absorber.

- 9** Unscrew the upper fastener of the shock absorber. Use a drive socket #18. Use a tap wrench.



AUTODOC recommends:

- Important! Hold the shock absorber while unscrewing the fastening bolts. VW Transporter T4 Platform / Chassis (70E, 70L, 70M, 7DE, 7DL, 7D)

- 10** Lower the hydraulic transmission jack by 10-15 cm.

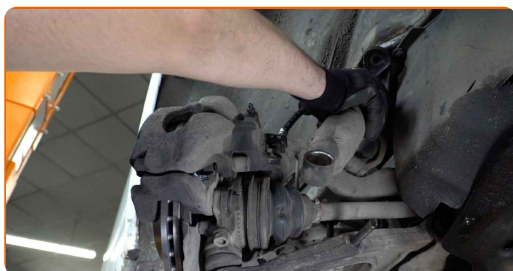


AUTODOC recommends:

- Replacement: shock absorbers – VW Transporter T4 Platform / Chassis (70E, 70L, 70M, 7DE, 7DL, 7D). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

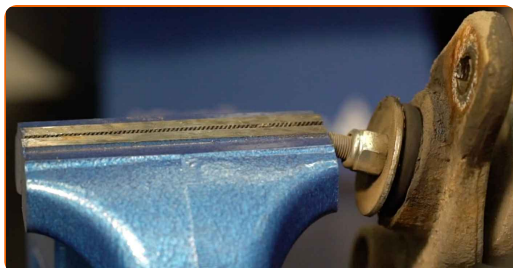
11

Remove the shock absorber.



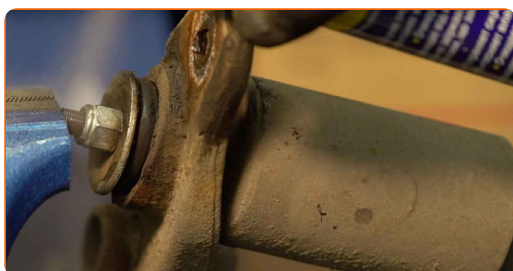
12

Grip the shock absorber in a vice.



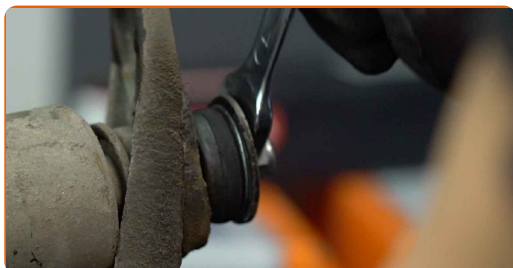
13

Clean the shock absorber rod fastener. Use a wire brush. Use WD-40 spray.



14

Remove the shock absorber piston rod fastening. Use a combination spanner #17.



15 Remove the shock absorber upper mount.

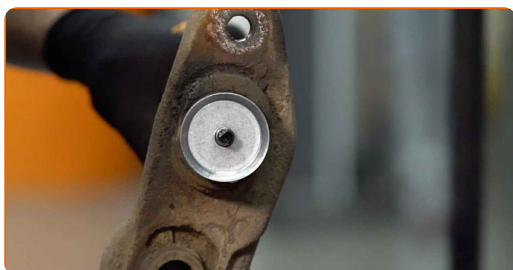


16 Release the vice and take out the shock absorber.

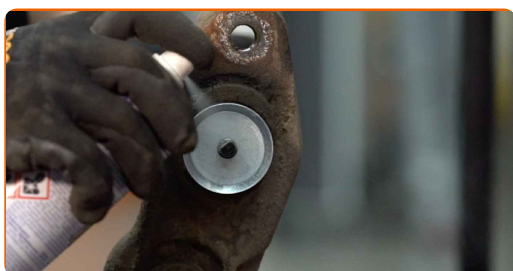
17 Before installing a new shock absorber you should pump it manually 3-5 times.



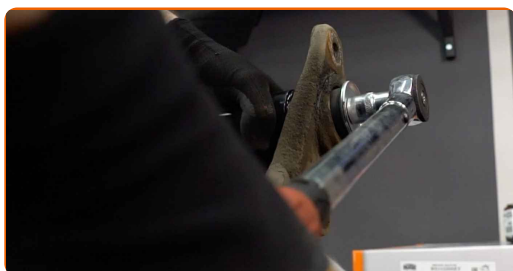
18 Install the shock absorber upper mount.



19 Clean the shock absorber rod. Use WD-40 spray.



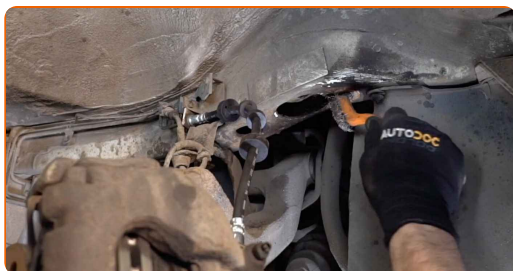
- 20** Screw the shock strut piston rod upper fastening. Use a combination spanner #17. Use a torque wrench. Tighten it to 25 Nm torque.



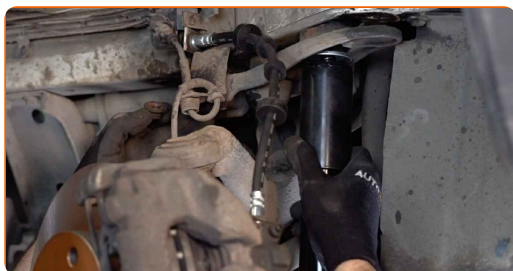
Replacement: shock absorbers – VW Transporter T4 Platform / Chassis (70E, 70L, 70M, 7DE, 7DL, 7D). Professionals recommend:

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

- 21** Clean the shock absorber mounting seats. Use a wire brush. Use WD-40 spray.



- 22** Place the shock absorber in the wheel arch and secure it.

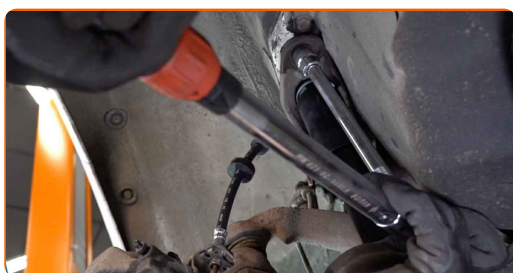


AUTODOC recommends:

- VW Transporter T4 Platform / Chassis (70E, 70L, 70M, 7DE, 7DL, 7D) – To avoid injury, hold the shock absorber while screwing in the fastening bolts.

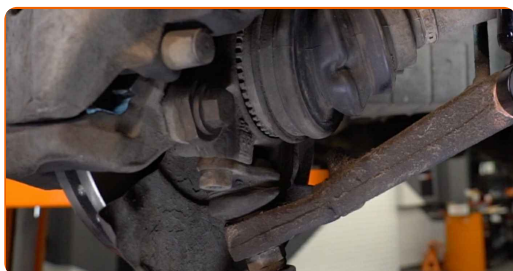
23

Tighten the top shock absorber fastening. Use a drive socket #18. Use a torque wrench. Tighten it to 75 Nm torque.



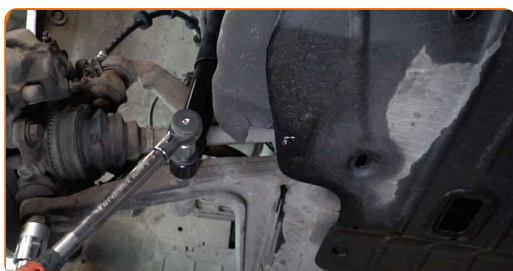
24

Support the arm. Use a hydraulic transmission jack.



25

Tighten the lower fastener of the shock absorber. Use a drive socket #21. Use a torque wrench. Tighten it to 120 Nm torque.



26

Remove the support from under the arm.



Replacement: shock absorbers – VW Transporter T4 Platform / Chassis (70E, 70L, 70M, 7DE, 7DL, 7D). Tip from AUTODOC experts:

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

27

Treat the shock absorber fasteners. Use copper grease.



28

Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.



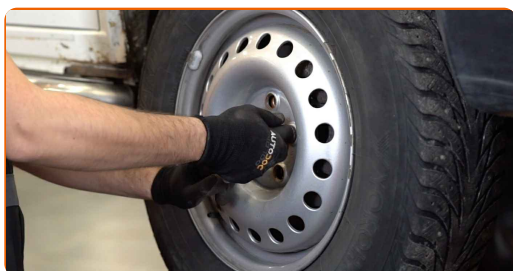
29 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. VW Transporter T4 Platform / Chassis (70E, 70L, 70M, 7DE, 7DL, 7D)

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



31 Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 170 Nm torque.



32

Remove the jacks and chocks.



WELL DONE! 

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