



How to change tie rod
ends on the **Ford Transit**
Mk7 van – replacement
guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

FORD TRANSIT Bus 2.2 TDCi, FORD TRANSIT Bus 2.2 TDCi RWD, FORD TRANSIT MK-7 Box 2.2 TDCi, FORD TRANSIT MK-7 Box 2.2 TDCi RWD, FORD TRANSIT MK-7 Box 2.2 TDCi 4x4, FORD TRANSIT MK-7 Platform/Chassis 2.2 TDCi, FORD TRANSIT MK-7 Platform/Chassis 2.2 TDCi RWD, FORD TRANSIT MK-7 Platform/Chassis 2.2 TDCi 4x4, FORD TRANSIT Bus (FD_ , FB_ , FS_ , FZ_ , FC_) 2.4 DI RWD (F_B_ , F_C_ , F_A_), FORD TRANSIT Bus (FD_ , FB_ , FS_ , FZ_ , FC_) 2.4 DI, FORD TRANSIT Box (FA_) 2.4 DI, FORD TRANSIT Box (FA_) 2.4 DI RWD (FAA_ , FAB_ , FAC_ , FAD_), FORD TRANSIT Platform/Chassis (FM_ , FN_) 2.4 DI, FORD TRANSIT Bus (FD_ , FB_ , FS_ , FZ_ , FC_) 2.4 DI RWD (F_B_ , F_C_), FORD TRANSIT Bus (FD_ , FB_ , FS_ , FZ_ , FC_) 2.0 DI, (+ 82)

The steps may slightly vary depending on the car design.

REPLACEMENT: TRACK ROD END – FORD TRANSIT MK7 VAN. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- An all-purpose cleaning spray
- Ceramic grease
- Torque wrench
- 22 mm combination spanner
- 24 mm combination spanner
- 25 mm combination spanner
- 19 mm socket
- 22 mm socket
- 21 mm wheel impact socket
- Ratchet wrench
- Tommy bar
- Vernier caliper
- Ball joint separator
- Wheel chocks

BUY TOOLS

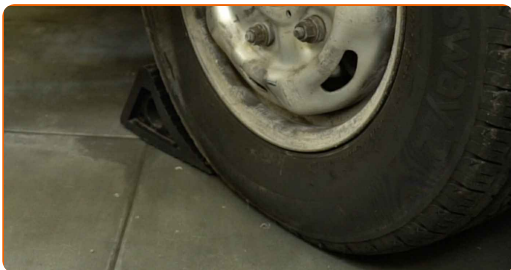
Replacement: track rod end – Ford Transit Mk7 van. Tip from AUTODOC:

- Replace the tie rod ends in pairs.
- All the work should be carried out with the ignition switched off.

REPLACEMENT: TRACK ROD END – FORD TRANSIT MK7 VAN. TAKE THE FOLLOWING STEPS:

1

Secure the wheels with chocks.



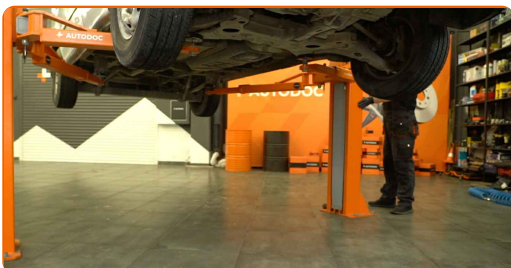
2

Loosen the wheel nuts. Use a 21 mm wheel impact socket. Use a tommy bar.



3

Raise the car.



Warning!

- If you are using a jack, make sure the car is parked on a hard, flat surface.
- Make sure to additionally secure the car with jack stands.

4

Unscrew the wheel nuts.



Caution!

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

5

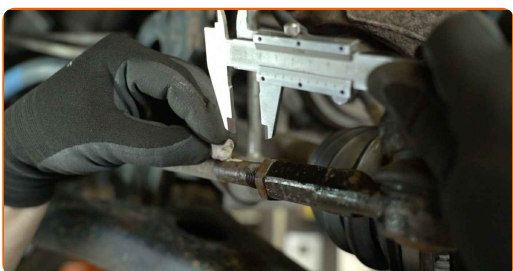
Remove the wheel.



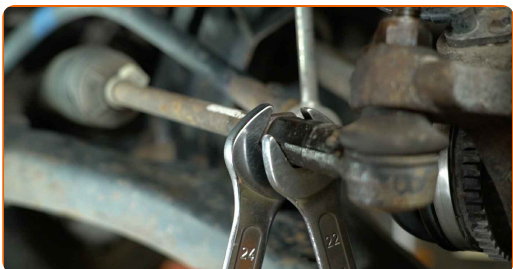
6 Clean all tie rod end connections. Use a wire brush. Use WD-40 spray.



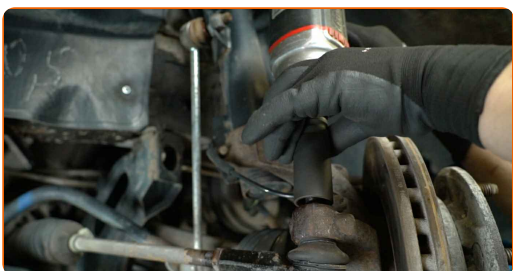
7 Measure and note down the length of the exposed portion of the tie rod thread or the number of turns the tie rod end made when being unscrewed to prevent wheel misalignment during reassembly. Use a vernier caliper.



8 Loosen the lock nut securing the tie rod end to the tie rod. Use a 22 mm combination spanner. Use a 24 mm combination spanner.



9 Unscrew the nut connecting the tie rod end to the steering knuckle. Use a 22 mm socket. Use a ratchet wrench.



10

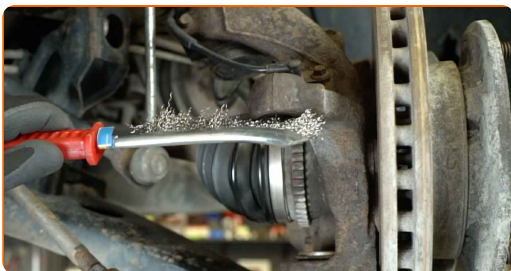
Disconnect the tie rod end from the steering knuckle. Use a ball joint separator.

**11**

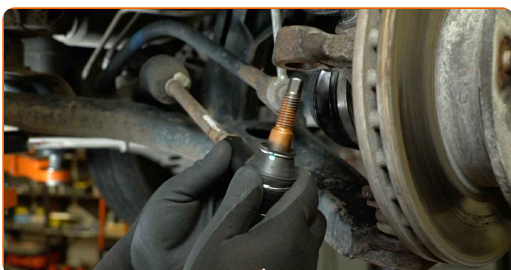
Unscrew the tie rod end from the tie rod.

**12**

Clean the mounting seats of the tie rod end. Use a wire brush. Use an all-purpose cleaning spray.

**13**

Screw on a new tie rod end.



Replacement: track rod end – Ford Transit Mk7 van. AUTODOC recommends:

- When installing the tie rod end, remember to maintain the same length of the exposed tie rod thread or turn the tie rod end the same number of times.

14

Connect the tie rod end to the steering knuckle.



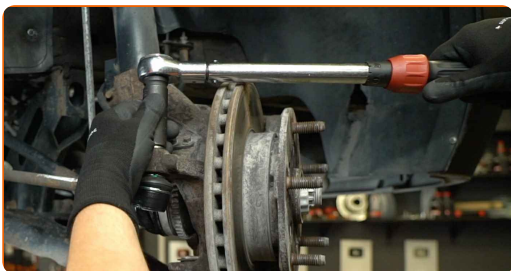
15

Having adjusted the tie rod end to the correct position, secure it with the lock nut.



16

Tighten the nut connecting the tie rod end to the steering knuckle. Use a 19 mm socket. Use a torque wrench. Tightening torque: 80 N·m.



- 17 Tighten the tie rod end lock nut. Use a combination spanner #24. Use a combination spanner #25. Use a torque wrench. Tightening torque: 80 N·m.



- 18 Clean the wheel rim mounting seat. Use a wire brush. Use an all-purpose cleaning spray.



- 19 Treat the wheel hub surface that contacts the wheel rim. Use ceramic grease.



- 20 Install the wheel.



Caution!

- To avoid injury, hold up the wheel when screwing on the fastening nuts.

21

Screw on the wheel nuts. Use a 21 mm wheel impact socket. Use a ratchet wrench.



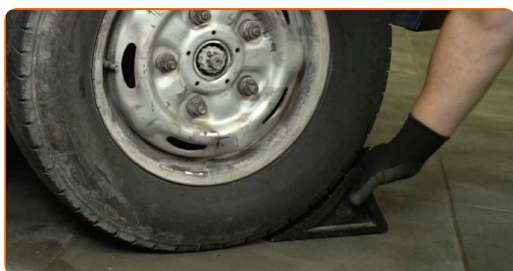
22

Lower the car and tighten the wheel nuts in a criss-cross pattern. Use a 21 mm wheel impact socket. Use a torque wrench. Tightening torque: 200 N·m.



23

Remove the jack, jack stands, and wheel chocks.



Replacement: track rod end – Ford Transit Mk7 van. Professionals recommend:

- After replacing the tie rod ends, it is necessary to have the wheels aligned.

WELL DONE! 

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