



How to change track rod
end on **Opel Meriva X03**
– replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

OPEL Meriva A (X03) 1.4 16V Twinport LPG (E75), OPEL Meriva A (X03) 1.8 (E75), OPEL Meriva A (X03) 1.7 DTI (E75), OPEL Meriva A (X03) 1.6 (E75), OPEL Meriva A (X03) 1.7 CDTI (E75), OPEL Meriva A (X03) 1.4 16V Twinport (E75), OPEL Meriva A (X03) 1.3 CDTI (E75), OPEL Meriva A (X03) 1.6 Turbo (E75)

The steps may slightly vary depending on the car design.

**REPLACEMENT: TRACK ROD END – OPEL MERIVA X03.
TOOLS YOU NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #21
- Drive socket # 17
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Ball joint puller
- Vernier caliper
- Wheel chock

BUY TOOLS

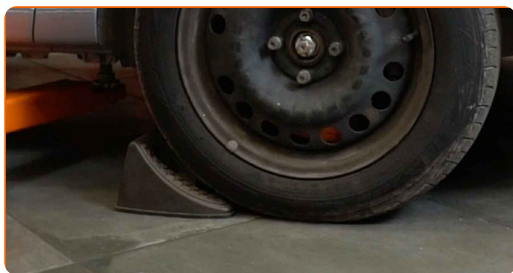
Replacement: track rod end – Opel Meriva X03. AUTODOC recommends:

- Replace tie rod ends in pairs.
- The replacement procedure is identical for the right and left tie rod ends.
- All work should be done with the engine stopped.

**REPLACEMENT: TRACK ROD END – OPEL MERIVA X03.
RECOMMENDED SEQUENCE OF STEPS:**

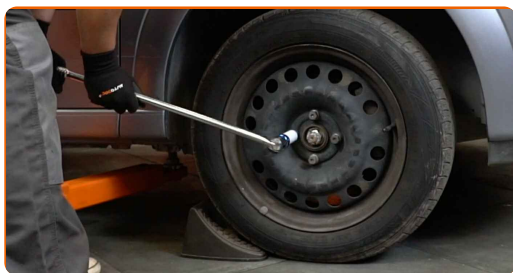
1

Secure the wheels with chocks.



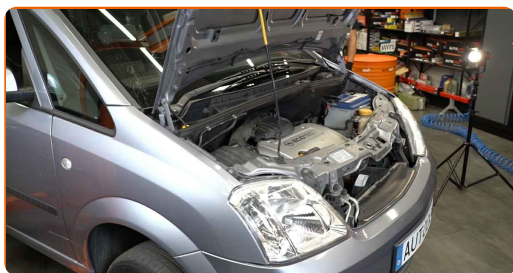
2

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.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
Opel Meriva X03

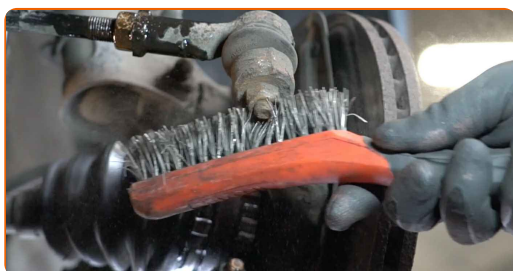
5

Remove the wheel.



6

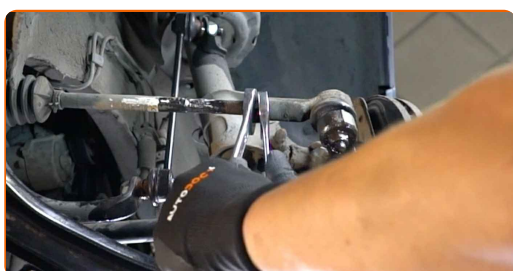
Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.



- 7 When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



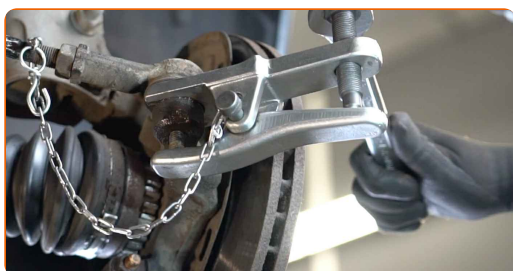
- 8 Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #21 (2 pieces).



- 9 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #17. Use a tap wrench.

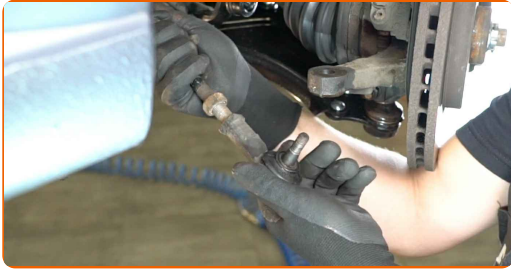


- 10 Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



11

Screw the end out of the tie rod.



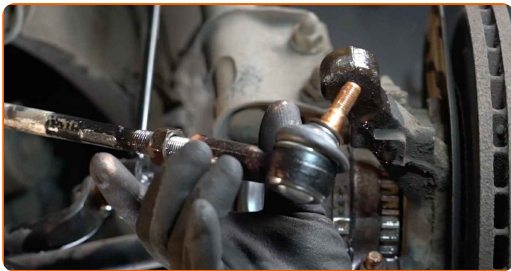
12

Clean the mounting seats of the tie rod end. Use a wire brush. Use WD-40 spray.



13

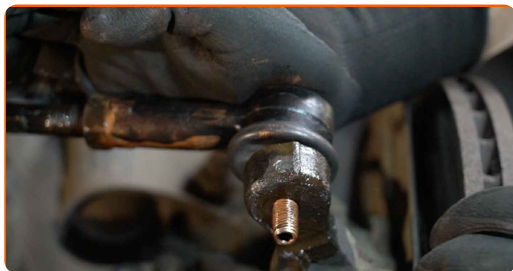
Screw on a new tie rod end.



Replacement: track rod end – Opel Meriva X03. Tip from AUTODOC experts:

- While installing the steering rod end remember to make the same number of turns or to leave the same length of thread showing as per your measurements.

14 Connect the tie rod end to the steering knuckle.



15 Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.

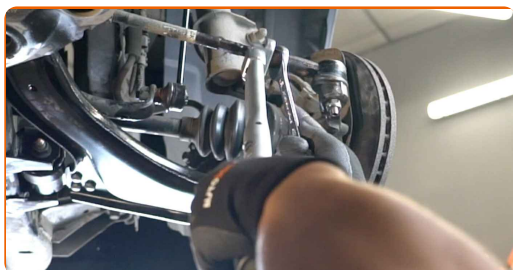
16 Screw on the fastening nut that connects the tie rod end to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.



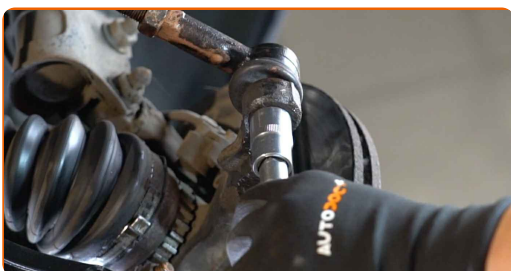
17 When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



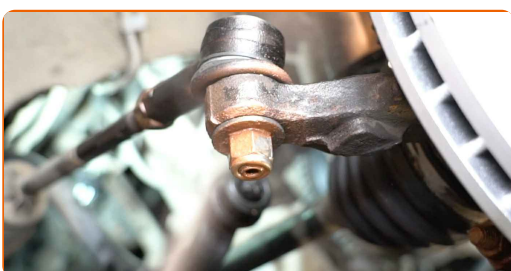
18 Tighten the tie rod end locknut. Use a combination spanner #21 (2 pieces). Use a torque wrench. Tighten it to 55 nm torque.



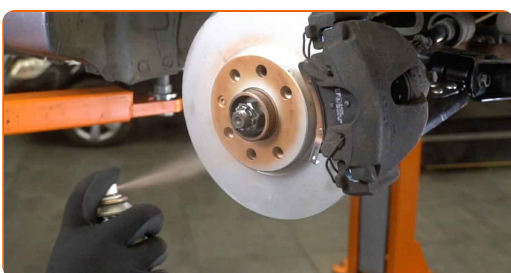
- 19** Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a torque wrench. Tighten it to 35 nm torque.



- 20** Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.



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



- 22** Clean the brake disk surface. Use a brake cleaner.

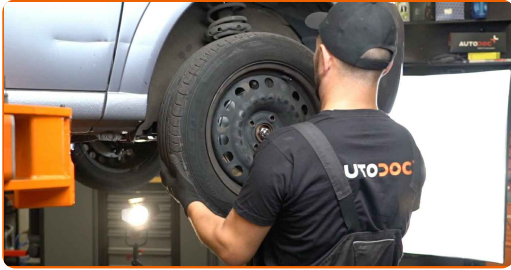


AUTODOC recommends:

- Replacement: track rod end – Opel Meriva X03. After applying the spray, wait a few minutes.

23

Install the wheel.

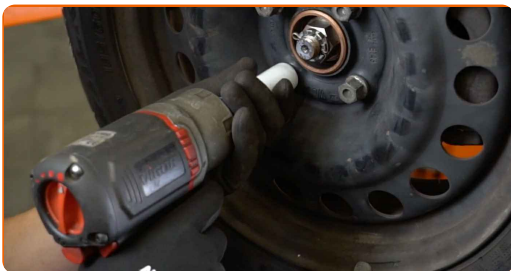


AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Opel Meriva X03

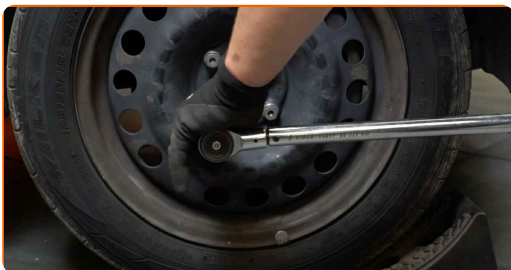
24

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



25

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 110 nm torque.

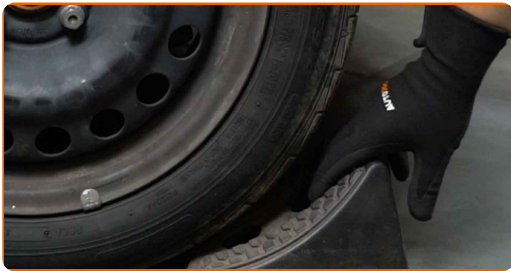


Replacement: track rod end – Opel Meriva X03. Tip from AUTODOC:

- Check and adjust wheel alignment if necessary.

26

Remove the jacks and chocks.



WELL DONE! 

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