



How to change track rod
end on **Citroën Berlingo**
M – replacement guide

VIDEO TUTORIAL



ⓘ Important!

This replacement procedure can be used for:

CITROËN LNA Hatchback 0.6, CITROËN LNA Hatchback 1.1, CITROËN Visa Hatchback 0.6, CITROËN Visa Hatchback 11 E, CITROËN Visa Hatchback 14, CITROËN Visa Hatchback 14 GT, CITROËN Visa Hatchback 16 GTI, CITROËN Visa Hatchback 17 D, CITROËN C15 Van 1.1, CITROËN C15 Van 1.4, CITROËN C15 Van 1.8 D, CITROËN C15 Van 1.1 i, CITROËN C15 Van 1.4 i, CITROËN ZX Hatchback (N2) 1.9 D, CITROËN ZX Hatchback (N2) 1.9 TD, (+ 129)

The steps may slightly vary depending on the car design.

REPLACEMENT: TRACK ROD END – CITROËN BERLINGO M. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Brake cleaner
- Ceramic grease
- Copper grease
- Torque wrench
- Combination spanner #16
- Combination spanner #22
- Drive socket # 17
- Wheel impact socket #19
- Ball joint puller
- Ratchet wrench
- Vernier caliper
- Wheel chock

BUY TOOLS

Replacement: track rod end – Citroën Berlingo M. Tip from AUTODOC experts:

- Replace tie rod ends in pairs.
- The replacement procedure is identical for the right and left tie rod ends.
- Please note: all work on the car – Citroën Berlingo M – should be done with the engine switched off.

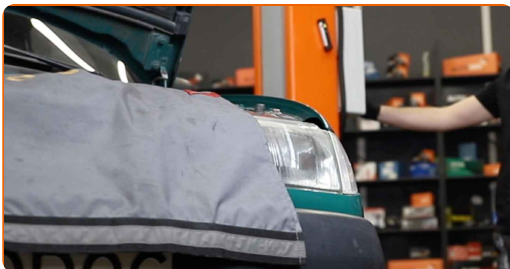
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #19.



3 Raise the car.



Replacement: track rod end – Citroën Berlingo M. AUTODOC recommends:

- 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.

4

Unscrew the wheel bolts.

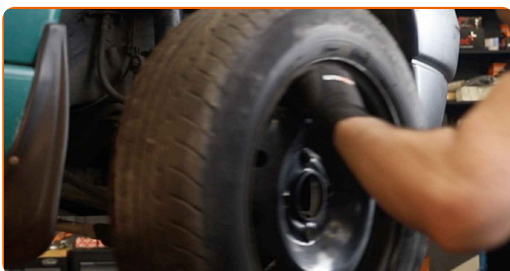


AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
Citroën Berlingo M

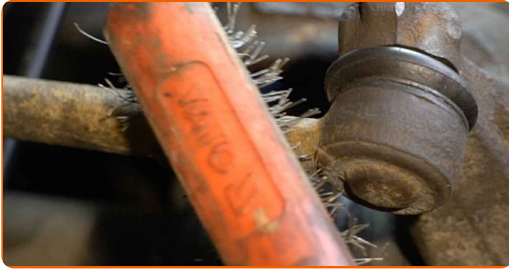
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Remove the wheel.



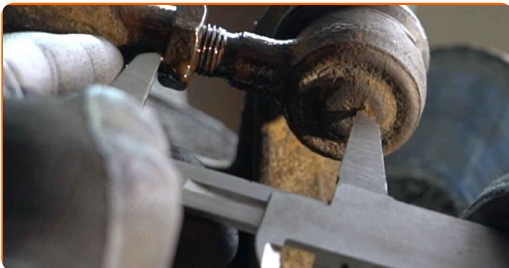
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Clean all tie rod end connections. Use a wire brush. Use WD-40 spray.



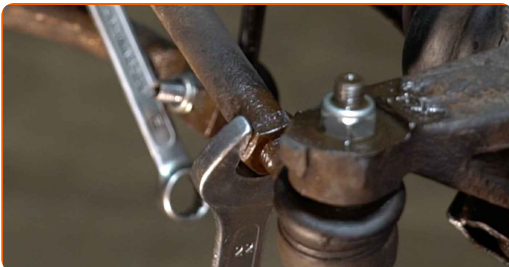
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When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



8

Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #16. Use a combination spanner #22.



9

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



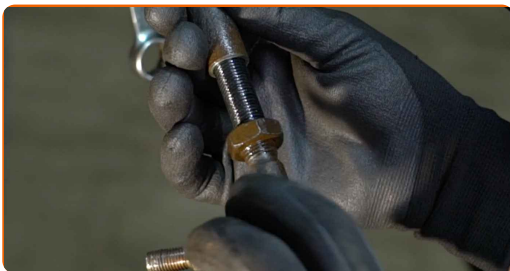
10 Disconnect the tie rod end from the steering knuckle.



Replacement: track rod end – Citroën Berlingo M. Tip from AUTODOC experts:

- Use a ball joint puller if necessary.

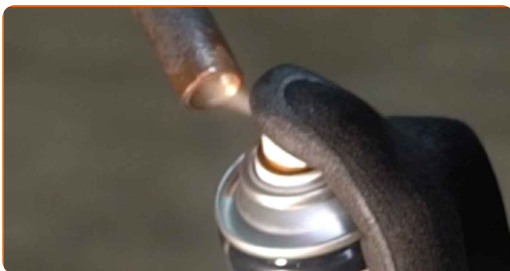
11 Screw the end out of the tie rod.



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



13 Treat the mounting seats of the tie rod end. Use copper grease.



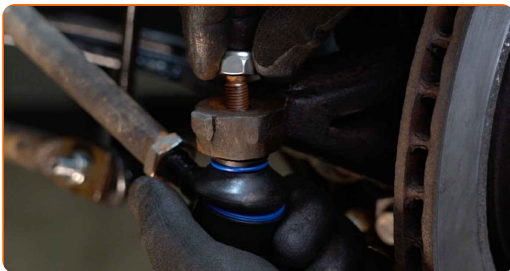
14 Screw on a new tie rod end. Use a vernier caliper.



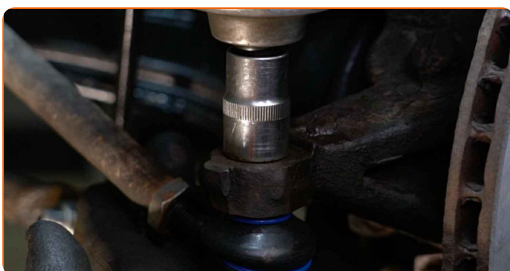
Replacement: track rod end – Citroën Berlingo M. AUTODOC experts recommend:

- 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.

15 Connect the tie rod end to the steering knuckle.

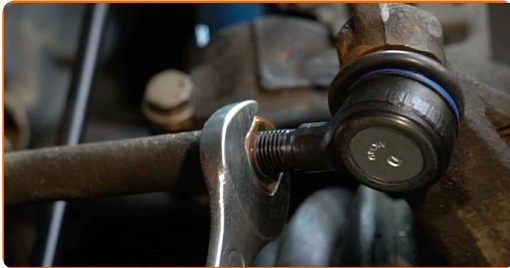


16 Screw on the fastening nut that connects the tie rod end to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.



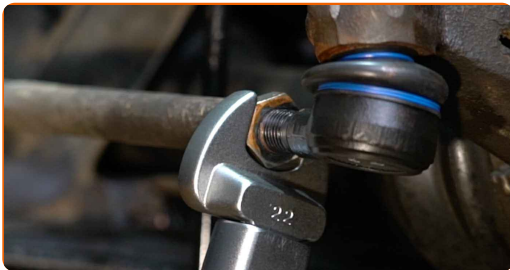
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Set the tie rod end to the correct position and secure it with the lock nut. Use a vernier caliper. Use a combination spanner #16. Use a combination spanner #22.



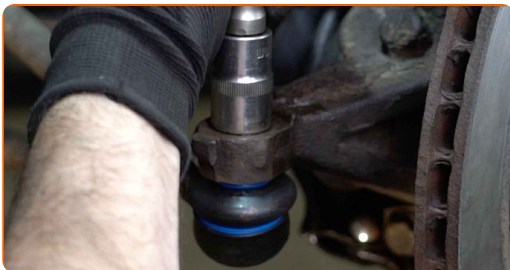
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Tighten the tie rod end locknut. Use a combination spanner #16. Use a combination spanner #22. Use a torque wrench. Tighten it to 45 nm torque.



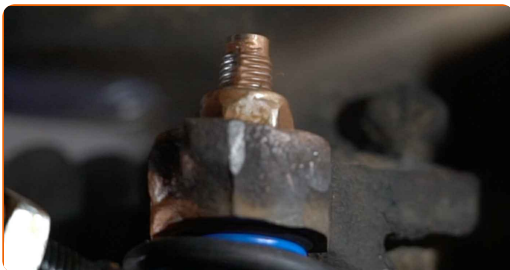
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Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a torque wrench. Tighten it to 40 nm torque.



20

Treat all tie rod end connections. Use copper grease.



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



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



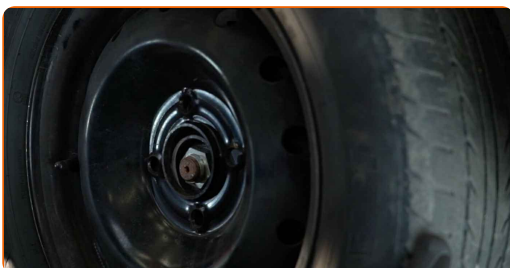
23 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: track rod end – Citroën Berlingo M. After applying the spray, wait a few minutes.

24 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Citroën Berlingo M

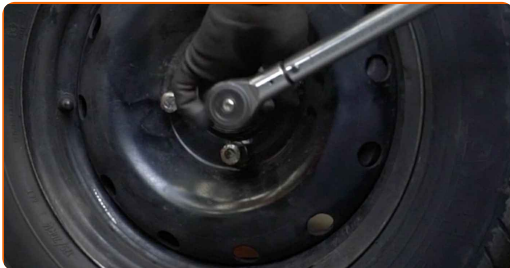
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Screw in the wheel bolts. Use wheel impact socket #19.



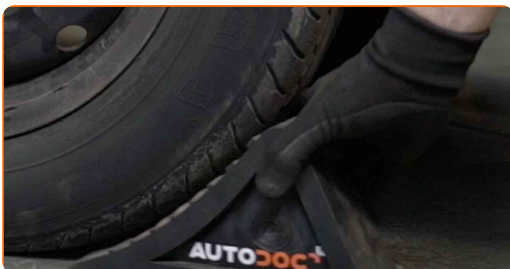
26

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 90 Nm torque.



27

Remove the jacks and chocks.



Replacement: track rod end – Citroën Berlingo M. AUTODOC recommends:

- After replacing the component, it is advisable to realign the wheels using a wheel aligner.

WELL DONE! 

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