



How to change front ball  
joint on **OPEL Corsa B  
Van (S93)** – replacement  
guide

## SIMILAR VIDEO TUTORIAL



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

### Important!

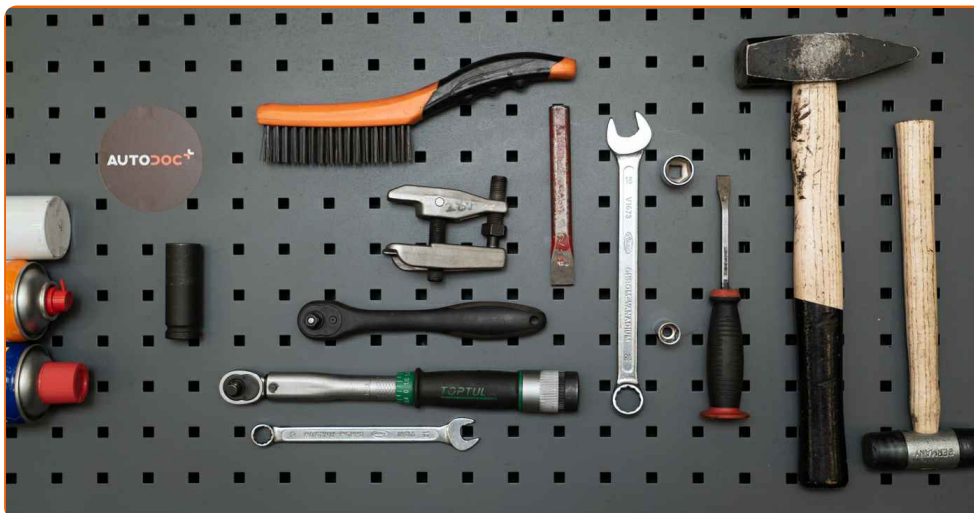
This replacement procedure can be used for:

OPEL Corsa B Van (S93) 1.4 i (F08, W5L), OPEL Corsa B Van (S93) 1.7 D (F08, W5L)

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: OPEL Corsa B Hatchback (S93) 1.4 i (F08, F68, M68)

**REPLACEMENT: BALL JOINT – OPEL CORSA B VAN (S93). LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #13
- Combination spanner #18
- Drive socket # 13
- Drive socket # 18
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Flat Screwdriver
- Crow bar
- Hammer
- Flat chisel
- Rubber mallet
- Ball joint puller
- Wheel chock

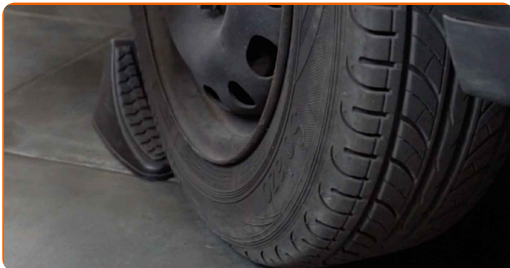
**Buy tools**

Replacement: ball joint – OPEL Corsa B Van (S93). AUTODOC experts recommend:

- The replacement procedure is identical for the left and right ball joints.
- All work should be done with the engine stopped.

## REPLACEMENT: BALL JOINT – OPEL CORSA B VAN (S93). USE THE FOLLOWING PROCEDURE:

**1** Secure the wheels with chocks.

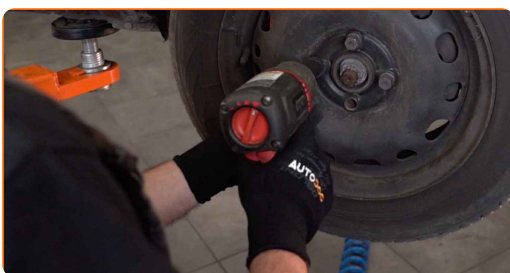


**2** Loosen the wheel mounting bolts. Use wheel impact socket #17.



**3** Raise the front of the car and secure on supports.

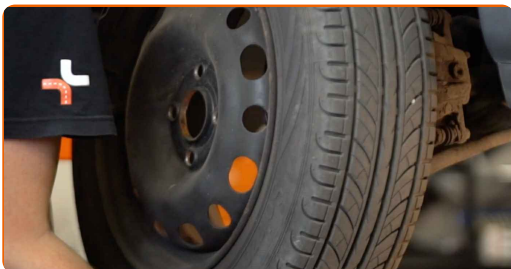
**4** Unscrew the wheel bolts.



Replacement: ball joint – OPEL Corsa B Van (S93). Tip:

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

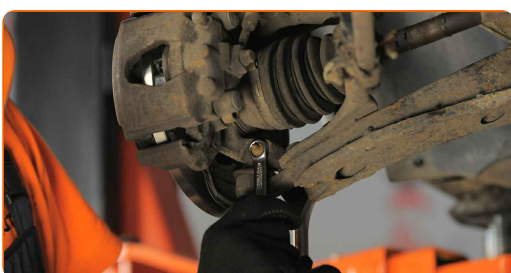
**5** Remove the wheel.



**6** Clean the fastener that connects the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.



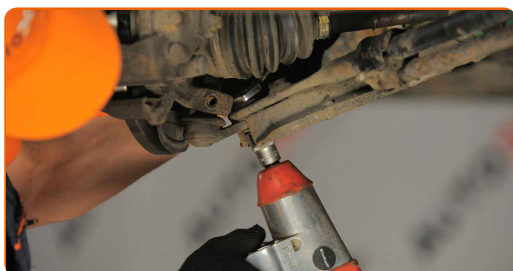
**7** Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #13. Use a drive socket #13. Use a ratchet wrench.



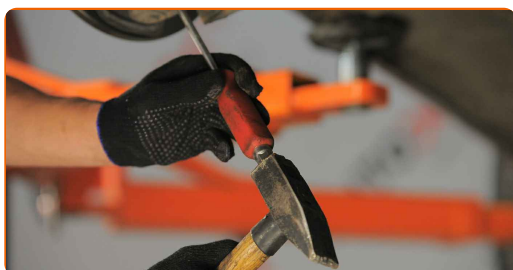
**8** Remove the fastening bolt. Use a hammer.



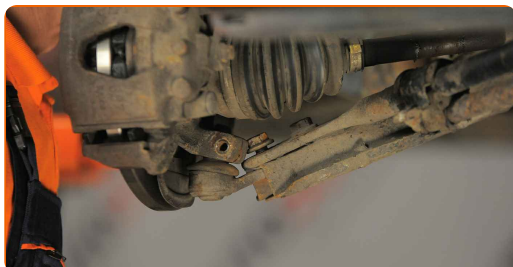
- 9 Unscrew the fastener connecting the ball joint to the suspension control arm. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



- 10 Release the fastener connecting the ball joint to the steering knuckle. Use a flat metal-working chisel. Use a hammer.



- 11 Disconnect the ball joint from the steering knuckle. Use a ball joint puller.



- 12 Disconnect the spherical joint from the arm.

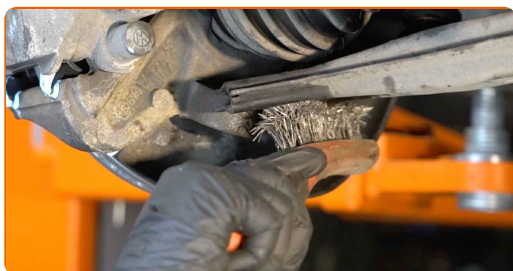
- 13 Remove the ball joint.



**14** Remove the fastening bolts (2 pieces). Use a flat screwdriver.



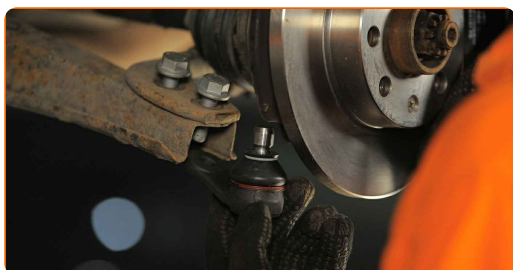
**15** Clean the ball joint mounting seat. Use a wire brush. Use WD-40 spray.



**16** Install the fastening bolts (2 pieces).



**17** Install a new ball joint.

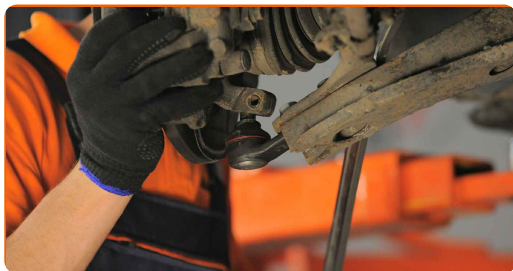


Replacement: ball joint – OPEL Corsa B Van (S93). AUTODOC experts recommend:

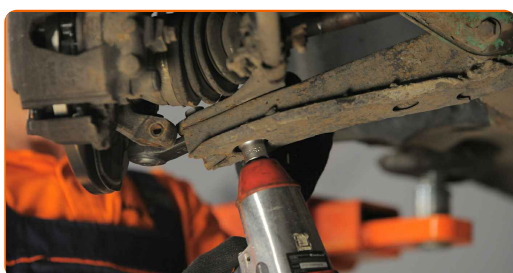
- Do not damage the ball joint cover.



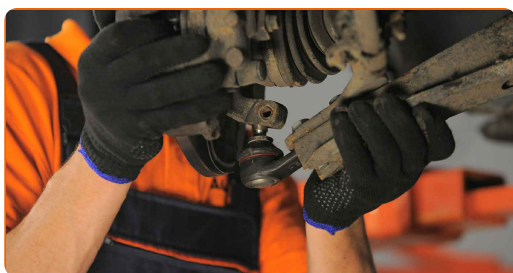
**18** Attach the ball joint to the control arm.



**19** Tighten the ball joint fastener. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 55 nm torque.

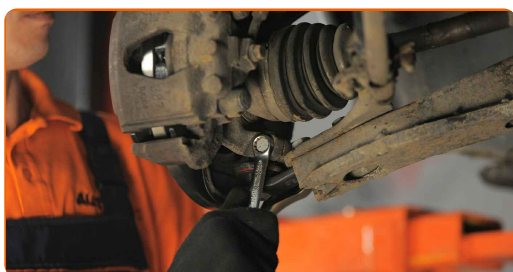


**20** Connect the ball joint to the steering knuckle. Use a crowbar. Use a rubber mallet.



**21** Install the fastening bolt.

**22** Tighten the ball joint fastener. Use a combination spanner #13. Use a drive socket #13. Use a torque wrench. Tighten it to 30 nm torque.



**23** Treat the fasteners of the ball joint. Use copper grease.



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



**25** Clean the brake disk surface. Use a brake cleaner.



Replacement: ball joint – OPEL Corsa B Van (S93). Tip from AUTODOC:

- After applying the spray, wait a few minutes.

**26** Install the wheel.

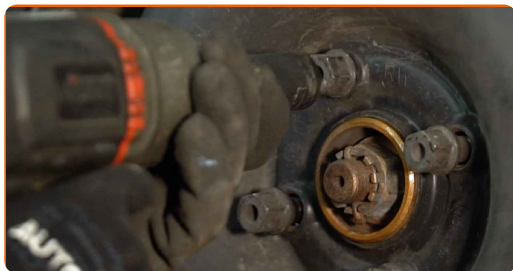


**AUTODOC recommends:**

- Important! Hold the wheel while screwing in the fastening bolts. OPEL Corsa B Van (S93)

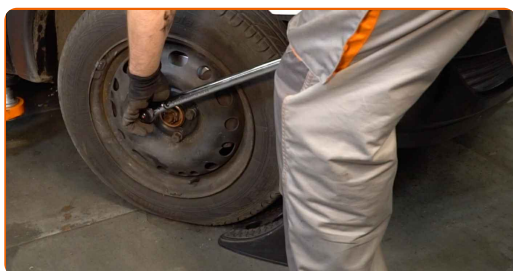
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Screw in the wheel bolts. Use wheel impact socket #17.



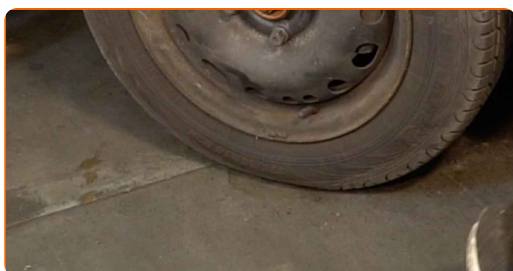
28

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.



29

Remove the jacks and chocks.



**WELL DONE!** 

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