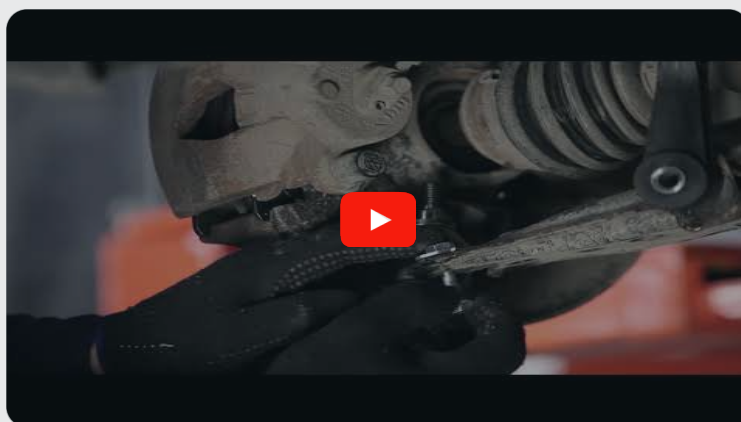




How to change front ball  
joint on **AUDI A3**  
**Hatchback (8L1)** –  
replacement guide

## SIMILAR VIDEO TUTORIAL



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

### Important!

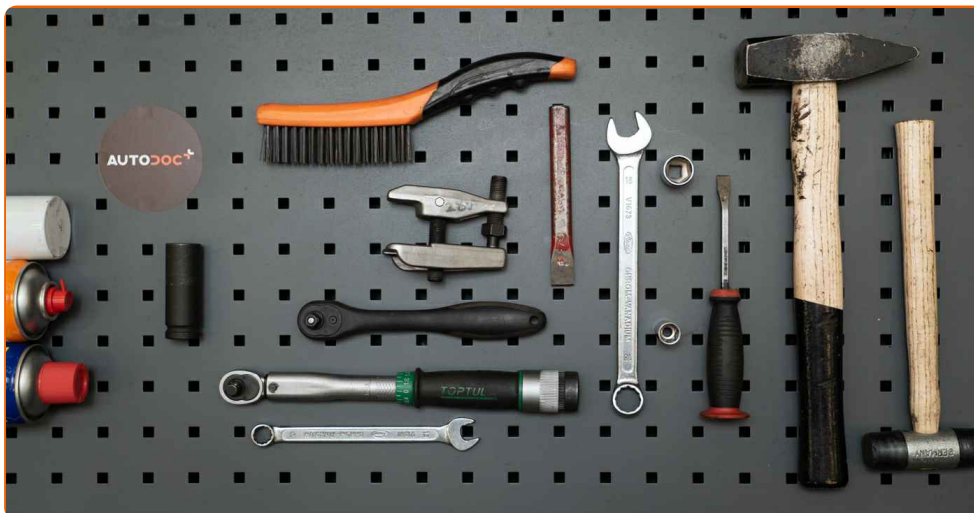
This replacement procedure can be used for:

AUDI A3 Hatchback (8L1) 1.6, AUDI A3 Hatchback (8L1) 1.8, AUDI A3 Hatchback (8L1) 1.8 T, AUDI A3 Hatchback (8L1) 1.9 TDI, AUDI A3 Hatchback (8L1) 1.8 T quattro, AUDI A3 Hatchback (8L1) 1.9 TDI quattro

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: SKODA OCTAVIA (1U2) 1.6

**REPLACEMENT: BALL JOINT – AUDI A3 HATCHBACK (8L1). TOOLS YOU NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- High-temperature ceramic grease
- Torque wrench
- Drive socket # 13
- Drive socket # 16
- Drive socket # 30
- Combination spanner #18
- Wheel impact socket #17
- Ratchet wrench
- Crow bar
- Ball joint puller
- Rubber mallet
- Pin punch
- Wheel chock

**Buy tools**

Replacement: ball joint – AUDI A3 Hatchback (8L1). Tip:

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

**REPLACEMENT: BALL JOINT – AUDI A3 HATCHBACK (8L1). TAKE THE FOLLOWING 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.

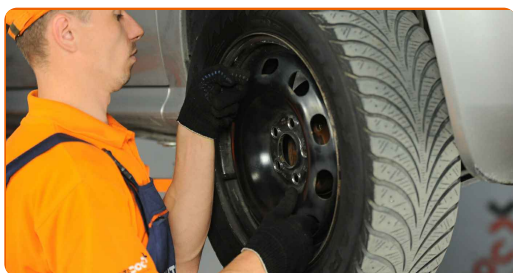


**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
AUDI A3 Hatchback (8L1)

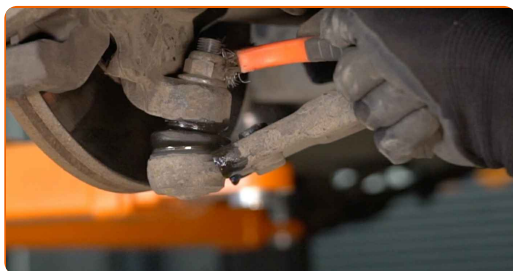
**5**

Remove the wheel.



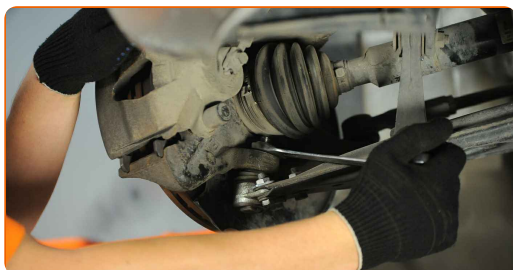
**6**

Clean the ball joint fasteners. Use a wire brush. Use WD-40 spray.



**7**

Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #18.

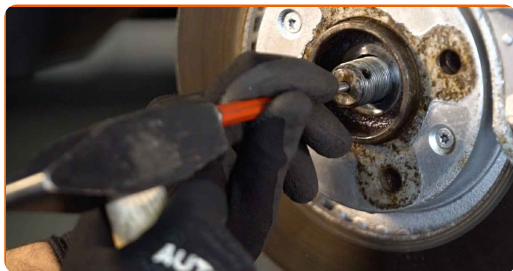


**8**

Loosen the fastener of the driveshaft. Use a drive socket #30. Use a ratchet wrench.



**9** Remove the drive shaft. Use a pin punch. Use a rubber mallet.



**10** Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.

**11** Unscrew the fastener connecting the stabilizer link to the control arm. Use a drive socket #16. Use a ratchet wrench.

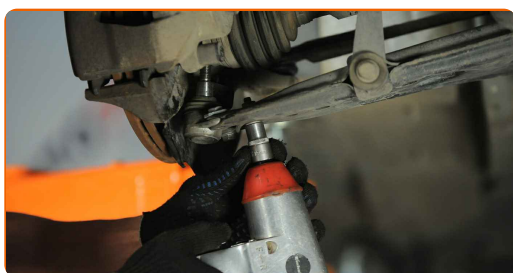


**12** Remove the fastening bolt.

**13** Disconnect the ball joint from the steering knuckle. Use a ball joint puller.



**14** Unscrew the fastener connecting the ball joint to the suspension control arm. Use a drive socket #13. Use a ratchet wrench.

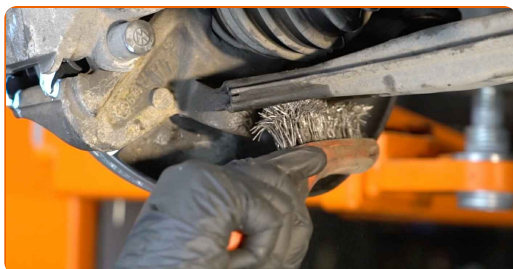


**15** Remove the fastening bolts.

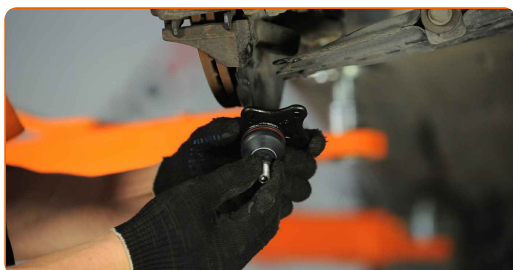
**16** Remove the ball joint.



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



**18** Install a new ball joint.



**AUTODOC recommends:**

- Do not damage the ball joint cover.

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

**20** Install the fastening bolts.

- 21 Tighten the fasteners connecting the ball joint to the control arm. Use a drive socket #13. Use a torque wrench. Tighten it to 20 Nm torque.+90°

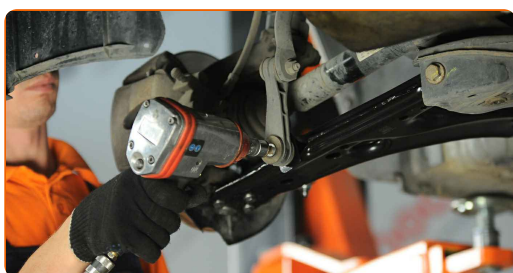


- 22 Connect the ball joint to the steering knuckle. Use a crowbar.

- 23 Tighten the ball joint fastener. Use a combination spanner #18. Use a torque wrench. Tighten it to 20 Nm torque.+90°

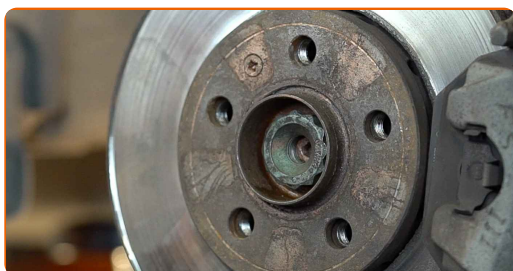


- 24 Install the rod fastening to the stabilizer and tighten it. Use a drive socket #16. Use a torque wrench. Tighten it to 15 Nm torque.+90°



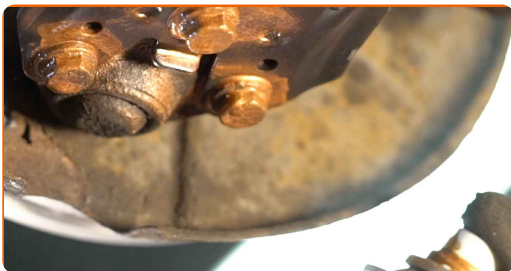
- 25 Mount the drive shaft into the wheel hub.

- 26 Tighten the drive shaft nut. Use a drive socket #30. Use a torque wrench. Tighten it to 225 Nm torque.





**27** Treat the fasteners of the ball joint. Treat all joints of the stabiliser link. Use copper grease.



**28** Treat the surface where the brake disc contacts the wheel rim. Use high-temperature ceramic grease.



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



**AUTODOC recommends:**

- Replacement: ball joint – AUDI A3 Hatchback (8L1). After applying the spray, wait a few minutes.

**30** Install the wheel.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. AUDI A3 Hatchback (8L1)

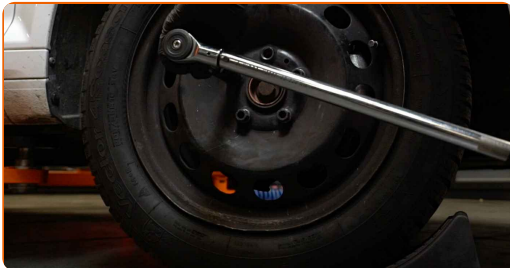
**31**

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



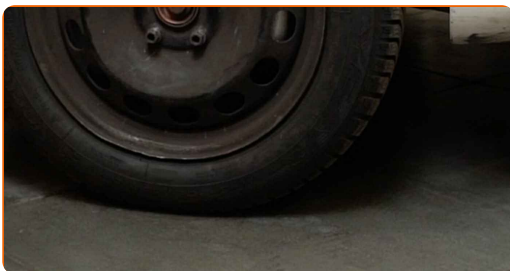
**32**

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 120 nm torque.



**33**

Remove the jacks and chocks.



**WELL DONE!** 

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