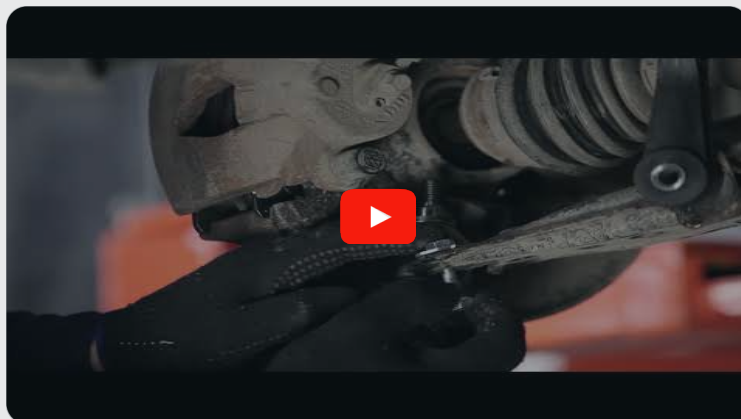




How to change front ball joint on **VW New Beetle Hatchback (9C1, 1C1)** – replacement guide

### SIMILAR VIDEO TUTORIAL



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

#### **i Important!**

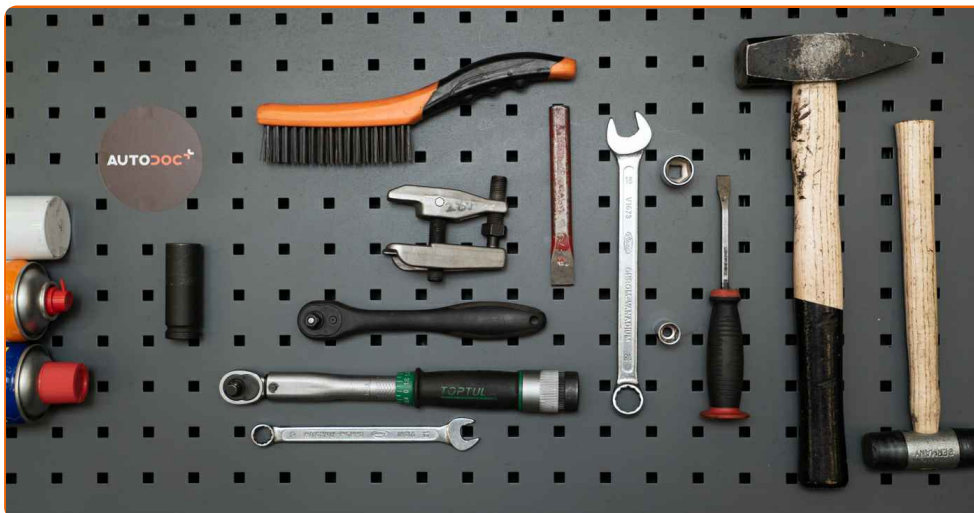
This replacement procedure can be used for:

VW New Beetle Hatchback (9C1, 1C1) 2.0, VW New Beetle Hatchback (9C1, 1C1) 1.9 TDI, VW New Beetle Hatchback (9C1, 1C1) 1.6, VW New Beetle Hatchback (9C1, 1C1) 1.8 T, VW New Beetle Hatchback (9C1, 1C1) 2.3 V5, VW New Beetle Hatchback (9C1, 1C1) 1.4, VW New Beetle Hatchback (9C1, 1C1) 2.5

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 – VW NEW BEETLE HATCHBACK (9C1, 1C1). 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 – VW New Beetle Hatchback (9C1, 1C1). 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 – VW NEW BEETLE HATCHBACK (9C1, 1C1). 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.

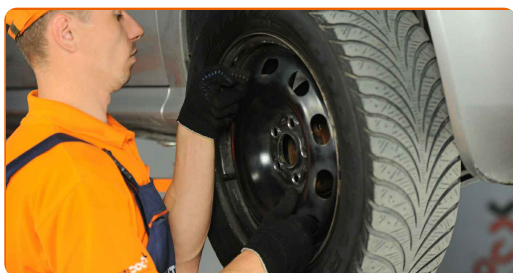


**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. VW New Beetle Hatchback (9C1, 1C1)

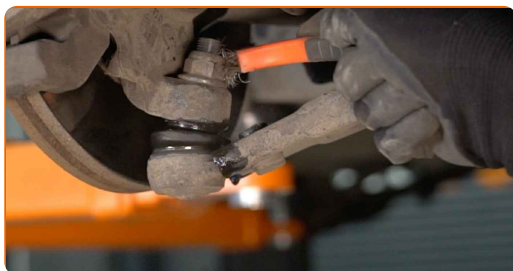
**5**

Remove the wheel.



**6**

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



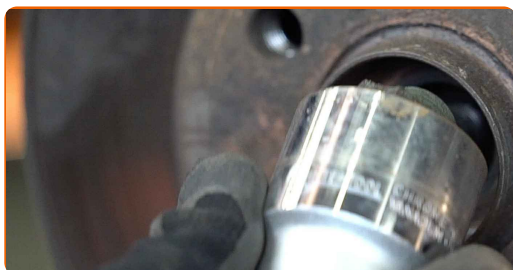
**7**

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

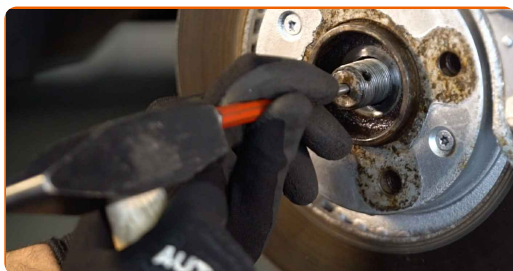


**8**

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.

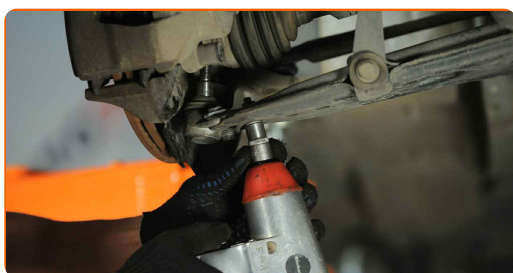


**12** Remove the fastening bolt.

**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.

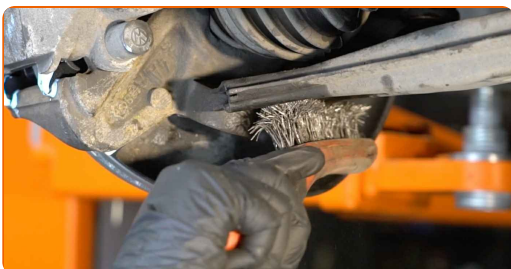


**15** Remove the fastening bolts.

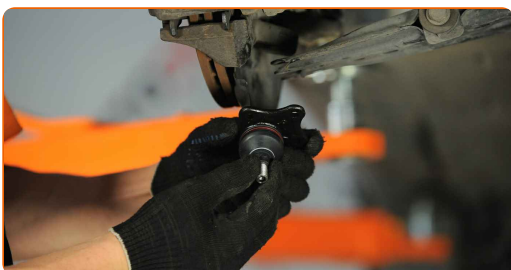
**16** Remove the ball joint.



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



**18** Install a new ball joint.



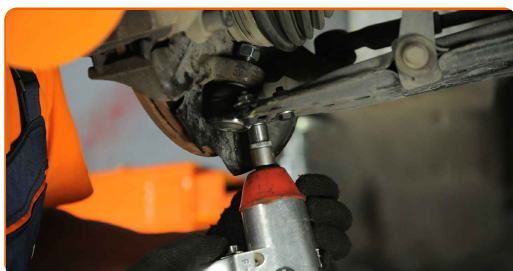
**AUTODOC recommends:**

- 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°

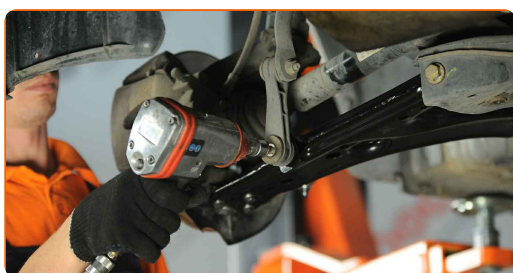


- 22 Connect the ball joint to the steering knuckle. Use a crowbar.

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

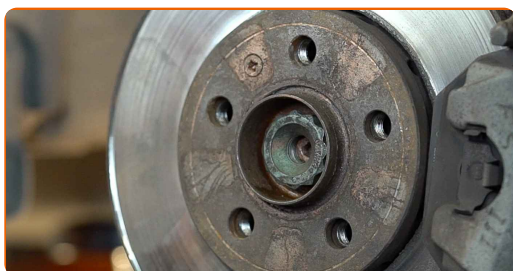


- 24 Install the rod fastening to the stabilizer and tighten it. Use a drive socket #16. Use a torque wrench. Tighten it to 15 Nm torque.+90°



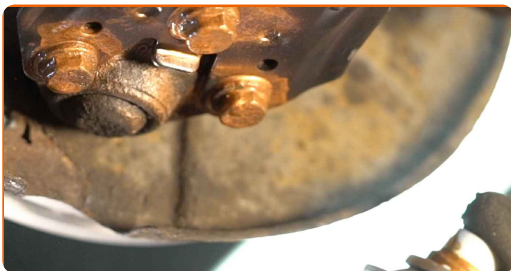
- 25 Mount the drive shaft into the wheel hub.

- 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 – VW New Beetle Hatchback (9C1, 1C1). 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. VW New Beetle Hatchback (9C1, 1C1)

**31**

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



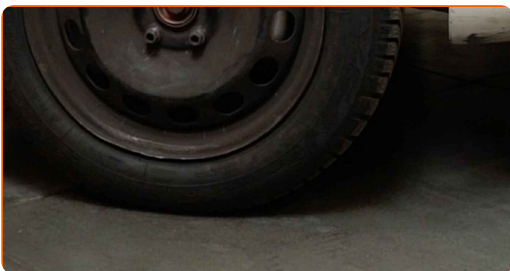
**32**

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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