



How to change rear  
wheel bearing 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

#### **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) RSI 3.2 4motion (1C9), 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: SEAT Leon Hatchback (1M1) 1.8 20V

**REPLACEMENT: WHEEL BEARING – VW NEW BEETLE HATCHBACK (9C1, 1C1). LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- All-purpose cleaning spray
- Brake cleaner
- Anti-squeal paste
- Ceramic grease
- Torque wrench
- Drive socket # 13
- 12-point socket # 30
- HEX bit No.H8
- Combination spanner #13
- Combination spanner #15
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Impact screwdriver
- Phillips screwdriver
- 3-Arm Gear Puller
- Bush and bearing driver set
- Hammer
- Rubber mallet
- Crow bar
- Hydraulic transmission jack
- Wheel chock

**Buy tools**

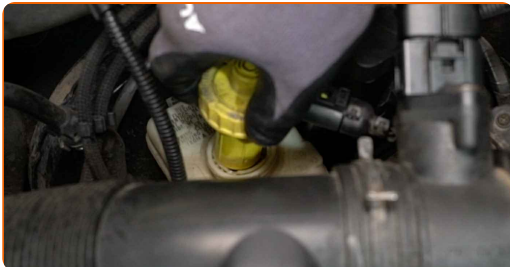
Replacement: wheel bearing – VW New Beetle Hatchback (9C1, 1C1).  
AUTODOC recommends:

- Do not re-use the bearing assembly of your VW New Beetle Hatchback (9C1, 1C1) car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- All work should be done with the engine stopped.

**REPLACEMENT: WHEEL BEARING – VW NEW BEETLE HATCHBACK (9C1, 1C1). USE THE FOLLOWING PROCEDURE:**

**1** Open the bonnet.

**2** Unscrew the brake fluid reservoir cap.



**3** Secure the wheels with chocks.

**4** Loosen the wheel bolts. Use wheel impact socket #17. Use a tap wrench.



**5** Raise the car.

Replacement: wheel bearing – VW New Beetle Hatchback (9C1, 1C1).  
AUTODOC experts recommend:

- 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.

6

Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. VW New Beetle Hatchback (9C1, 1C1)

7

Remove the wheel.



8

Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.



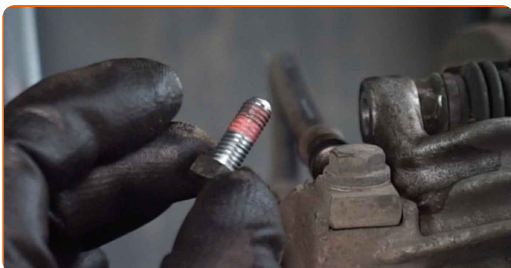
9

Unscrew the brake caliper fasteners. Use a combination spanner #13. Use a combination spanner #15.



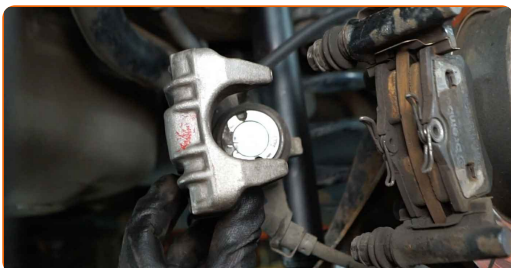
10

Remove the fastening bolts.



11

Remove the brake caliper. Use a crowbar.



Replacement: wheel bearing – VW New Beetle Hatchback (9C1, 1C1).  
Professionals recommend:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.

**12**

Remove the brake pads.

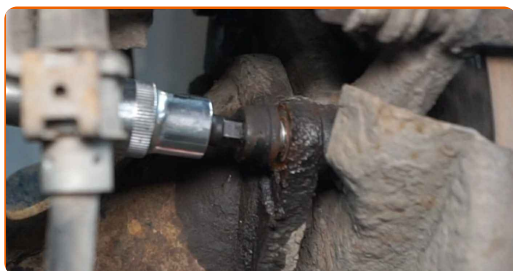


**13**

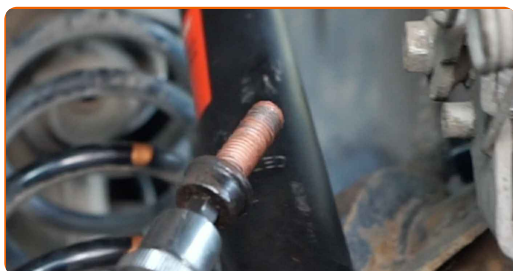
Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



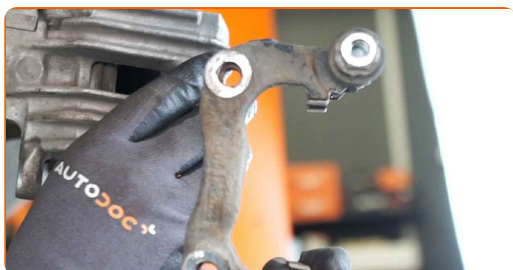
**14** Unscrew the brake caliper bracket fasteners. Use HEX No.H8. Use a ratchet wrench.



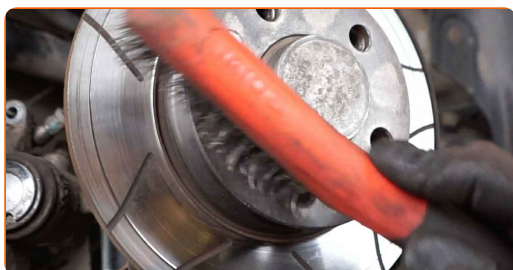
**15** Remove the fastening bolts.



**16** Remove the brake caliper bracket.



**17** Clean the brake disc fastener. Use a wire brush. Use WD-40 spray.





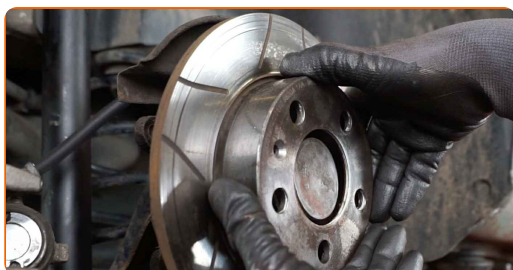
**18** Unscrew the brake disc fasteners. Use an impact screwdriver. Use a hammer.



**19** Remove the fastening bolt.



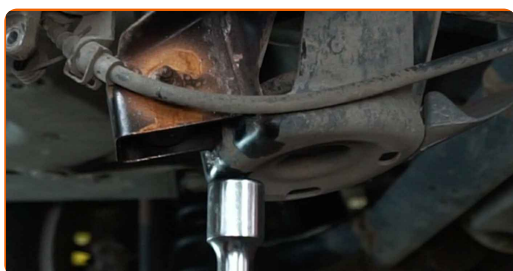
**20** Remove the brake disc.



**21** Remove the hub bearing cap. Use a crowbar. Use a hammer.



**22** Support the rear suspension beam. Use a hydraulic transmission jack.



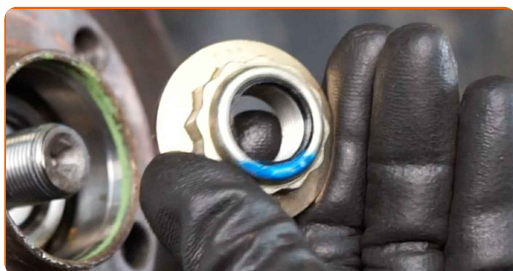
23

Unscrew the wheel hub fastener. Use 12-point socket No.30. Use a tap wrench.



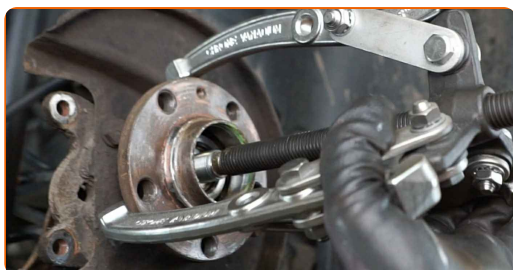
24

Remove the fastening nut.



25

Remove the hub and the bearing together, since they are made as an assembly. Use 3-Arm Gear Puller.

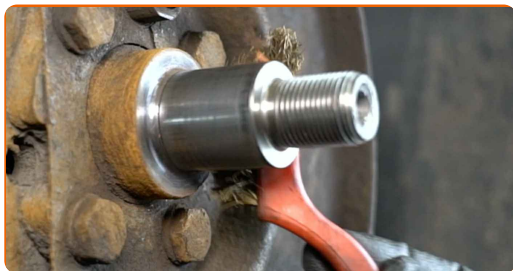


26

Remove the inner bearing ring from the stub axle. Use 3-Arm Gear Puller.



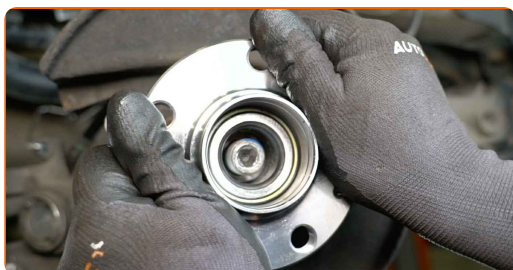
**27** Clean the hub bearing mounting seat. Use a wire brush. Use all-purpose cleaning spray.



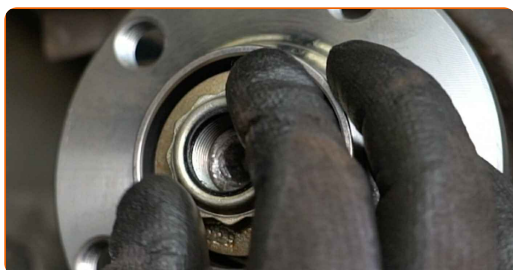
**28** Clean the ABS sensor. Use a nylon cleaning brush. Use all-purpose cleaning spray.



**29** Install the new wheel hub together with the bearing. Use a bush and bearing driver set. Use a hammer.



**30** Install the fastening nut.



**31** Tighten the hub fastener. Use 12-point socket No.30. Use a torque wrench. Tighten it to 175 Nm torque.



**32** Install the hub bearing cap. Use a rubber mallet.

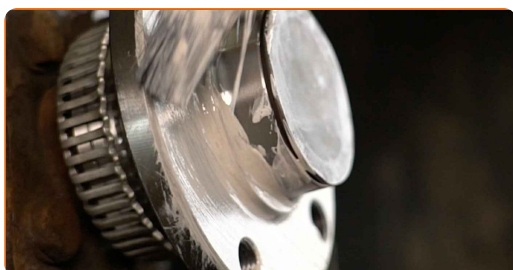


**33** Remove the support from under the rear axle beam.

**AUTODOC recommends:**

- VW New Beetle Hatchback (9C1, 1C1) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

**34** Treat the hub where it contacts the brake disk. Use ceramic grease.



**35**

Install the brake disc.



**36**

Install the fastening bolt.



**37**

Tighten the brake disc fasteners. Use a Phillips screwdriver. Use a torque wrench. Tighten it to 4 Nm torque.



**38**

Clean the brake caliper bracket of dirt and dust. Use a wire brush. Use a brake cleaner.



**AUTODOC recommends:**

- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

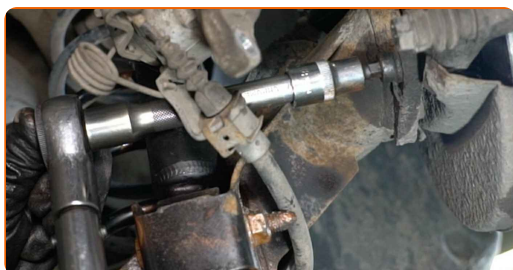
**39** Install the brake caliper bracket.



**40** Install the fastening bolts.



**41** Tighten the brake caliper bracket fasteners. Use HEX No.H8. Use a torque wrench. Tighten it to 65 Nm torque.

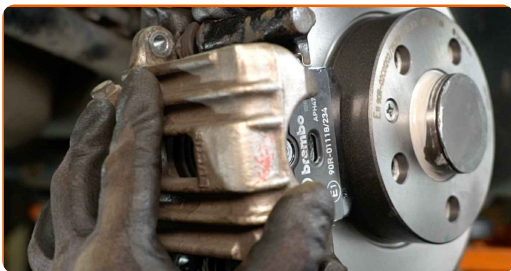


**42** Treat the brake pads in the area where their surface comes into contact with the brake caliper bracket. Use anti-squeal paste.

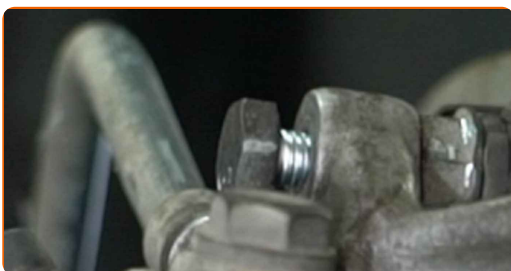
**43** Install the brake pads.



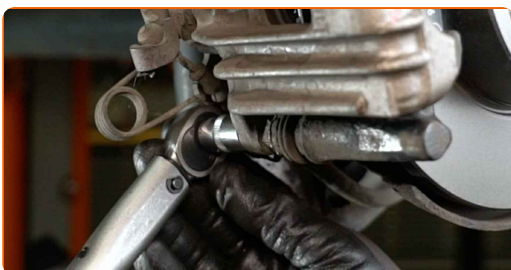
**44** Install the brake caliper.



**45** Install the fastening bolts.



**46** Tighten the brake caliper fasteners. Use a drive socket #13. Use a torque wrench. Tighten it to 35 Nm torque.



**47** Clean the wheel rim mounting seat. Use a wire brush.



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



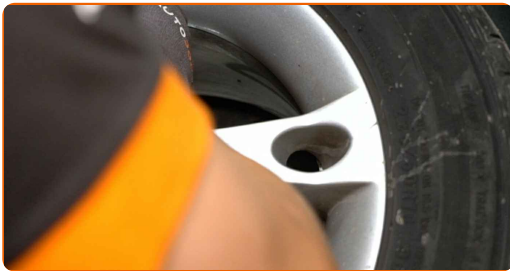
49

Clean the brake disk surface. Use a brake cleaner.



50

Install the wheel.

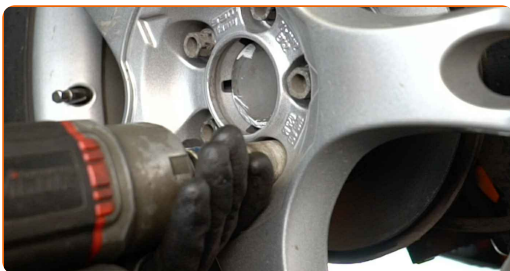


Replacement: wheel bearing – VW New Beetle Hatchback (9C1, 1C1). Tip from AUTODOC experts:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

51

Screw in the wheel bolts. Use wheel impact socket #17. Use a ratchet wrench.





- 52 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.



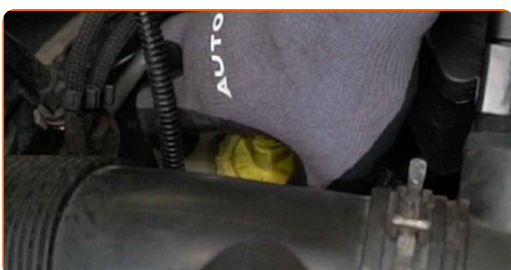
- 53 Remove the jacks and chocks.



**AUTODOC recommends:**

- Without starting the engine, press the brake pedal several times until you feel significant resistance.
- Important! Replacement: wheel bearing – VW New Beetle Hatchback (9C1, 1C1). Check the brake fluid level in the reservoir and top up if necessary.

- 54 Tighten the brake fluid reservoir cap.



55

Close the bonnet.

**WELL DONE!** 

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