



How to change rear  
wheel bearing on **VOLVO**  
**XC70 II Estate (136)** –  
replacement guide

## SIMILAR VIDEO TUTORIAL



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

### Important!

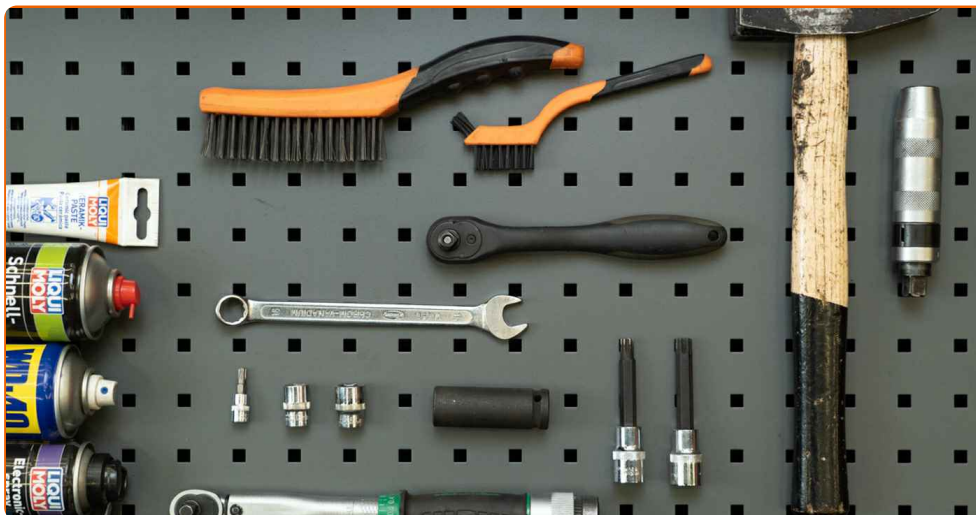
This replacement procedure can be used for:

VOLVO XC70 II Estate (136) 2.0 D3, VOLVO XC70 II Estate (136) 3.2 AWD, VOLVO XC70 II Estate (136) 2.4 D

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: VOLVO V70 III (135) 2.0 FlexiFuel

**REPLACEMENT: WHEEL BEARING – VOLVO XC70 II ESTATE (136). LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Brake cleaner
- Ceramic grease
- Torque wrench
- Combination spanner #15
- Drive socket # 13
- Drive socket # 15
- Torx bit T25
- Torx bit T50
- Torx bit T55
- Wheel impact socket #19
- Ratchet wrench
- Tap wrench
- Hammer
- Impact screwdriver
- Wheel chock

**Buy tools**

Replacement: wheel bearing – VOLVO XC70 II Estate (136). AUTODOC recommends:

- Do not re-use the bearing assembly of your VOLVO XC70 II Estate (136) 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 – VOLVO XC70 II ESTATE (136). USE THE FOLLOWING PROCEDURE:**

**1** Secure the wheels with chocks.

**2** Loosen the wheel bolts. Use wheel impact socket #19. Use a tap wrench.

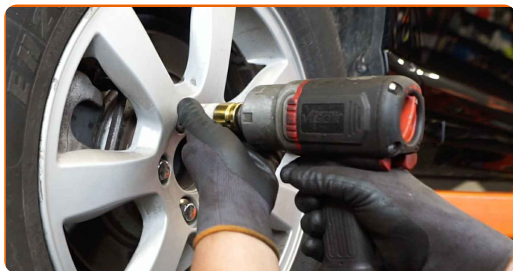


**3** Raise the car.

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.

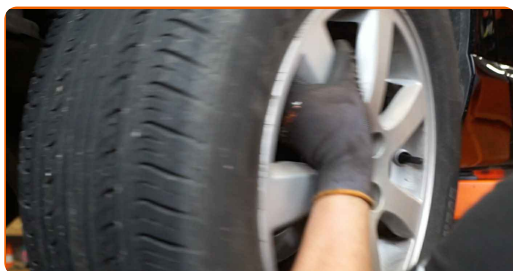
**4** Unscrew the wheel bolts.



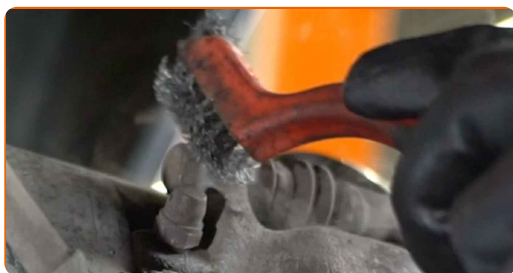
Replacement: wheel bearing – VOLVO XC70 II Estate (136). Tip:

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

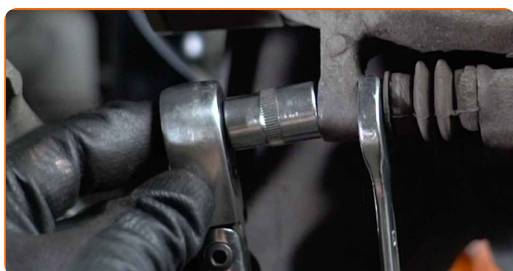
**5** Remove the wheel.



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



**7** Unscrew the brake caliper fasteners. Use a combination spanner #15. Use a drive socket #13. Use a ratchet wrench.



8

Remove the fastening bolts.



9

Remove the brake caliper.

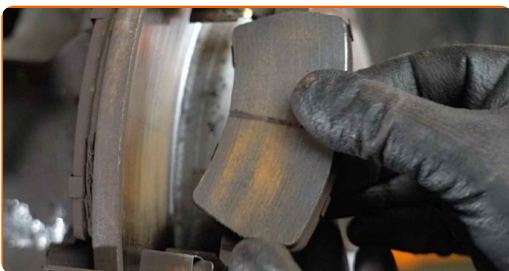


Replacement: wheel bearing – VOLVO XC70 II Estate (136). AUTODOC experts recommend:

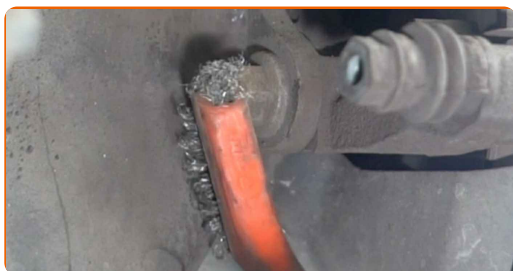
- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result,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

10

Remove the brake pads.



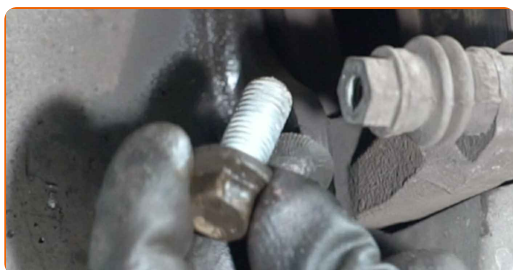
**11** Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



**12** Unscrew the brake caliper bracket fasteners. Use a drive socket #15. Use a ratchet wrench.



**13** Remove the fastening bolts.



**14** Remove the brake caliper bracket.





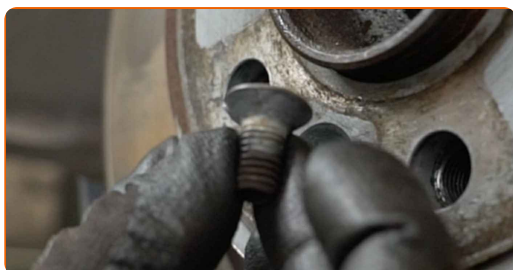
**15** Clean the brake disc fastener. Use a wire brush. Use WD-40 spray.



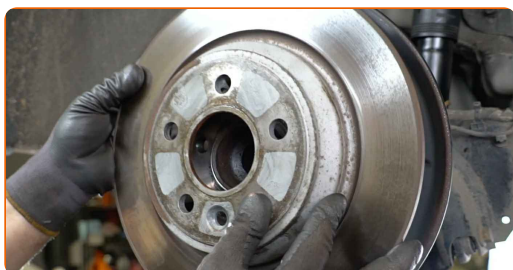
**16** Unscrew the brake disc fasteners. Use Torx T50. Use an impact screwdriver. Use a hammer.



**17** Remove the fastening bolt.

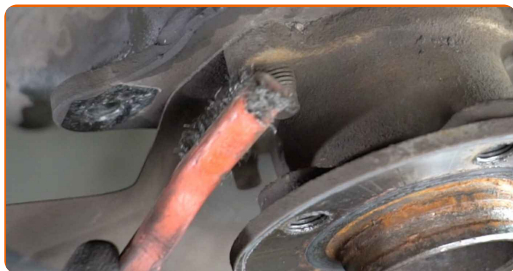


**18** Remove the brake disc.

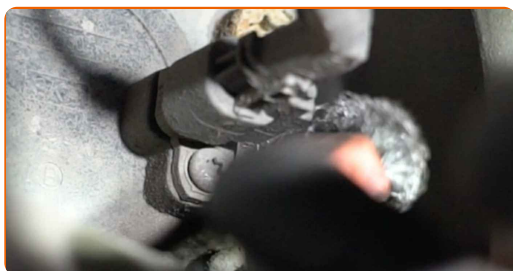




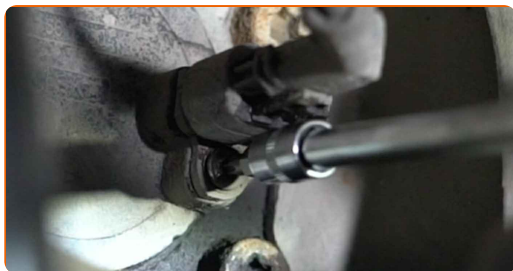
**19** Clean the wheel hub fasteners. Use a wire brush. Use WD-40 spray.



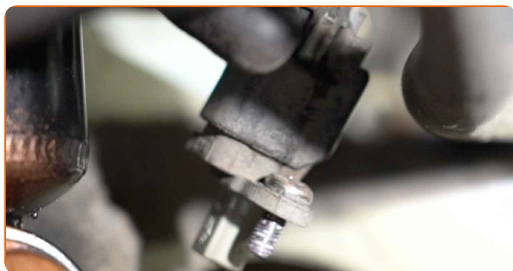
**20** Clean the ABS sensor fastener. Use a wire brush. Use WD-40 spray.



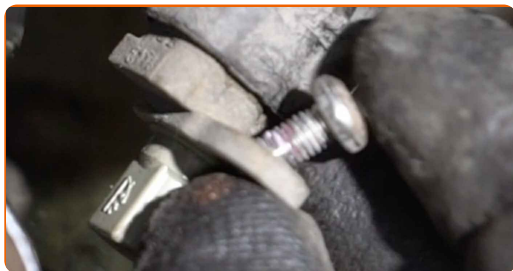
**21** Unscrew the ABS sensor fastener. Use Torx T25. Use a ratchet wrench.



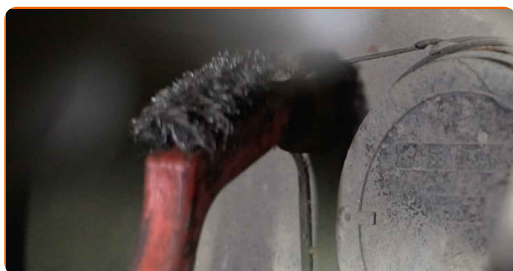
**22** Disconnect the ABS sensor.



23 Remove the fastening bolt.



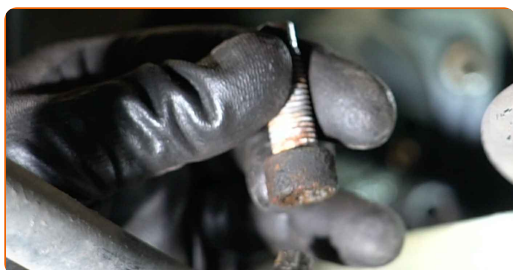
24 Clean the wheel hub fasteners. Use a wire brush. Use WD-40 spray.



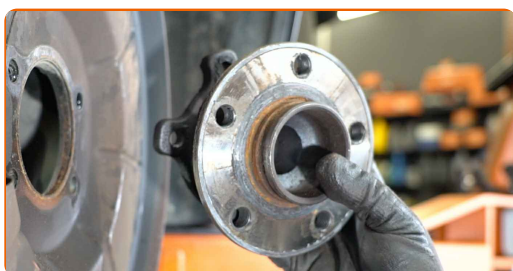
25 Unscrew the wheel hub fasteners. Use Torx T55. Use a ratchet wrench.



26 Remove the fastening bolts.



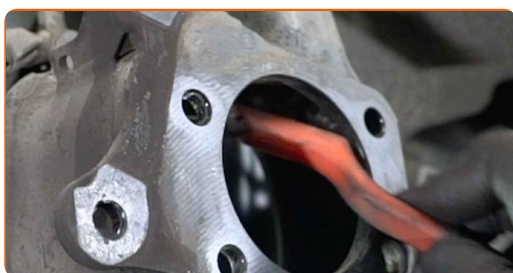
27 Remove the hub and the bearing together, since they are made as an assembly.



**28** Remove the brake disc cover.



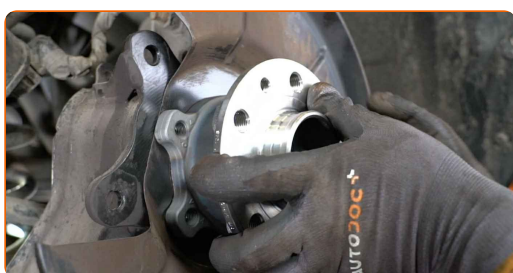
**29** Clean the wheel hub mounting seat. Use a wire brush.



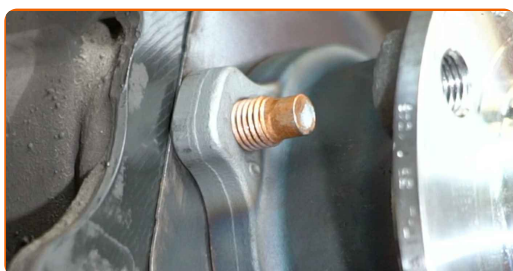
**30** Install the brake disc cover.



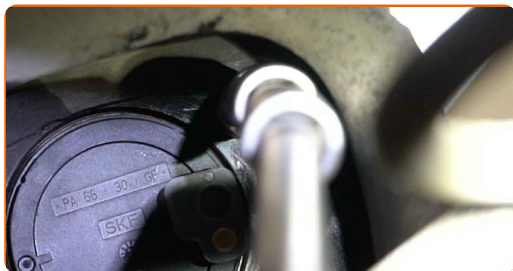
**31** Install the new wheel hub together with the bearing.



**32** Install the fastening bolts.



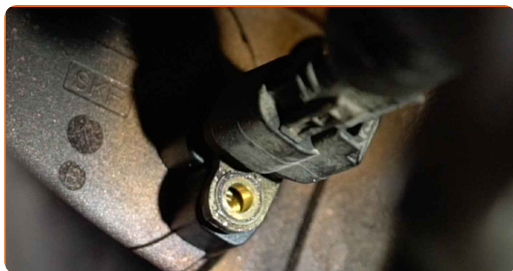
**33** Tighten the wheel hub fasteners. Use Torx T55. Use a torque wrench. Tighten it to 110 Nm torque.



**34** Clean the ABS sensor. Use all-purpose cleaning spray.

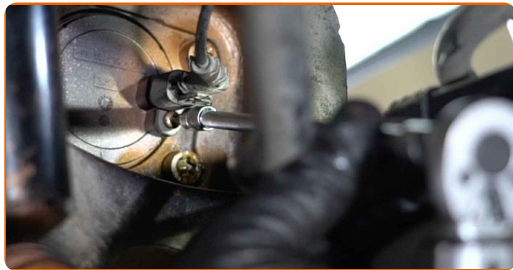


**35** Connect the ABS sensor.



**36** Install the fastening bolt.

**37** Tighten the ABS sensor fastener. Use Torx T25. Use a torque wrench. Tighten it to 5 Nm torque.



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

**39** Install the brake disc.



**40** Install the fastening bolt.

**41** Tighten the brake disc fasteners. Use Torx T50. Use a torque wrench. Tighten it to 15 Nm torque.

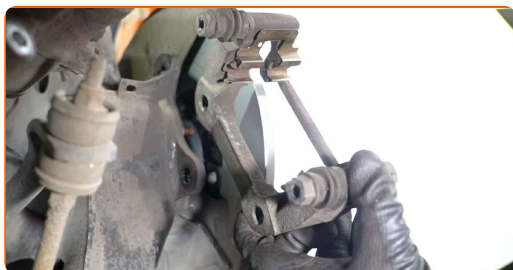


**42** Clean the brake caliper bracket of dirt and dust. Use a wire brush. Use a brake cleaner.

Replacement: wheel bearing – VOLVO XC70 II Estate (136). Tip from AUTODOC:

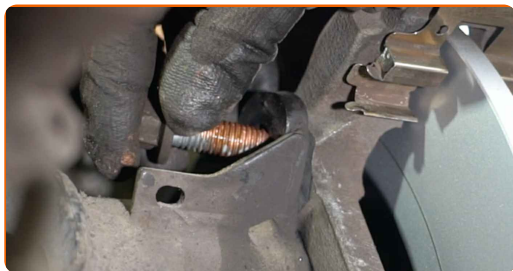
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

**43** Install the brake caliper bracket.

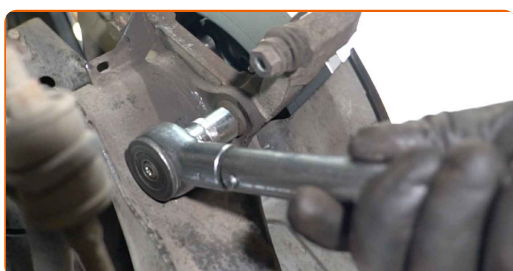




**44** Install the fastening bolts.



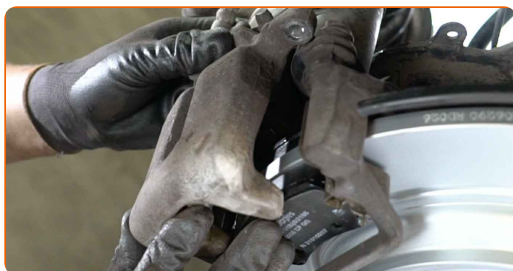
**45** Tighten the brake caliper bracket fasteners. Use a drive socket #15. Use a torque wrench. Tighten it to 110 Nm torque.



**46** Install the brake pads.



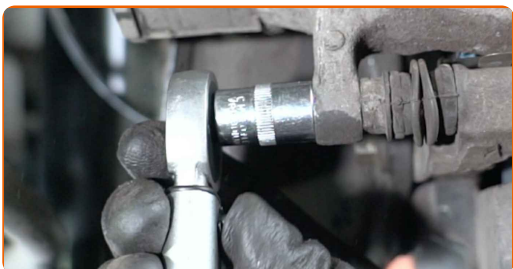
**47** Install the brake caliper and fasten it.



**48** Install the fastening bolts.



- 49 Tighten the brake caliper fasteners. Use a combination spanner #15. Use a drive socket #13. Use a torque wrench. Tighten it to 35 Nm torque.



- 50 Clean the wheel rim mounting seat. Use a wire brush.

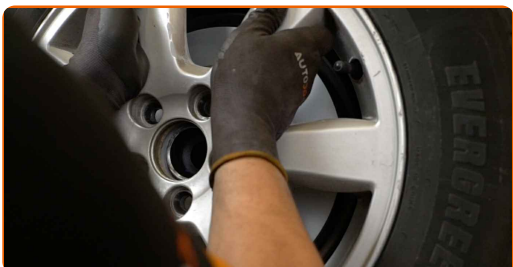


- 51 Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.

- 52 Clean the brake disk surface. Use a brake cleaner.



- 53 Install the wheel.



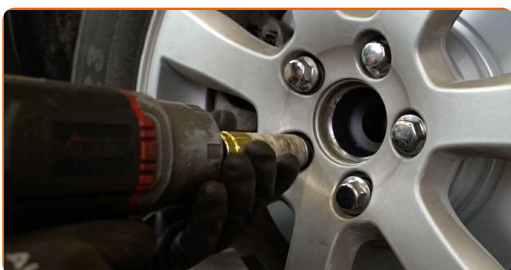


**AUTODOC recommends:**

- Important! Hold the wheel while screwing in the fastening bolts. VOLVO XC70 II Estate (136)

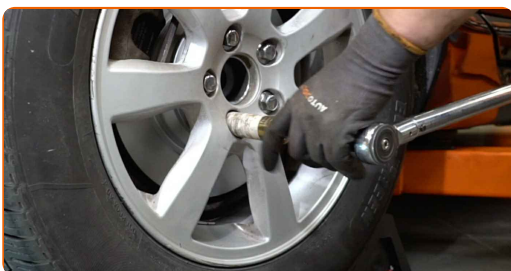
**54**

Screw in the wheel bolts. Use wheel impact socket #19. Use a ratchet wrench.



**55**

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 140 Nm torque.



**56**

Remove the jacks and chocks.



**WELL DONE!** 

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