



How to change rear  
wheel bearing on **OPEL**  
**Astra F Caravan (T92)** –  
replacement guide

### SIMILAR VIDEO TUTORIAL



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

### **i Important!**

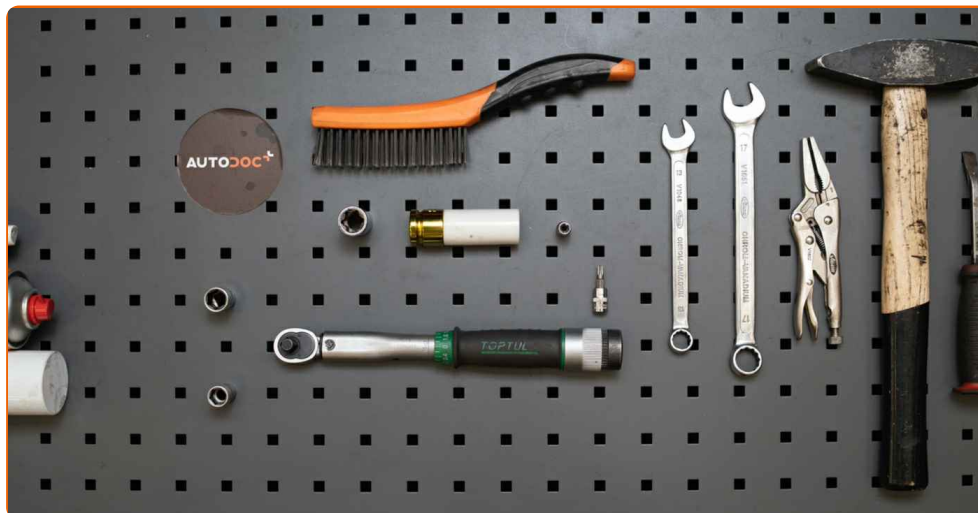
This replacement procedure can be used for:

OPEL Astra F Caravan (T92) 1.7 TDS (F08, C05), OPEL Astra F Caravan (T92) 1.7 D (F08, C05), OPEL Astra F Caravan (T92) 1.4 i (F08, C05), OPEL Astra F Caravan (T92) 1.4 Si (F08, C05), OPEL Astra F Caravan (T92) 1.6 i (F08, C05), OPEL Astra F Caravan (T92) 1.6 Si (F08, C05), OPEL Astra F Caravan (T92) 1.8 i (F08, C05), OPEL Astra F Caravan (T92) 1.8 i 16V (F08, C05), OPEL Astra F Caravan (T92) 2.0 i (F08, C05), OPEL Astra F Caravan (T92) 2.0 i 16V (F08, C05), OPEL Astra F Caravan (T92) 1.7 TD (F08, C05), OPEL Astra F Caravan (T92) 1.4 i 16V (F08, C05), OPEL Astra F Caravan (T92) 1.6 i 16V (F08, C05), OPEL Astra F Caravan (T92) 1.4 (F08, C05), OPEL Astra F Caravan (T92) 1.6 (F08, C05)

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 Meriva A (X03) 1.6 16V (E75)

**REPLACEMENT: WHEEL BEARING – OPEL ASTRA F  
CARAVAN (T92). TOOLS YOU MIGHT NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Electronic spray
- Copper grease
- Torque wrench
- Combination spanner #13
- Combination spanner #17
- Drive socket # E8
- Drive socket # 13
- Drive socket # 16
- Drive socket # E20
- Torx bit T30
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Hammer
- Water pump pliers
- Crow bar
- Wheel chock

**Buy tools**

Replacement: wheel bearing – OPEL Astra F Caravan (T92). AUTODOC experts recommend:

- Do not re-use the bearing assembly of your OPEL Astra F Caravan (T92) car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – OPEL Astra F Caravan (T92) – should be done with the engine switched off.

## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

**1** Secure the wheels with chocks.

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



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

**4** Unscrew the wheel bolts.



**AUTODOC recommends:**

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

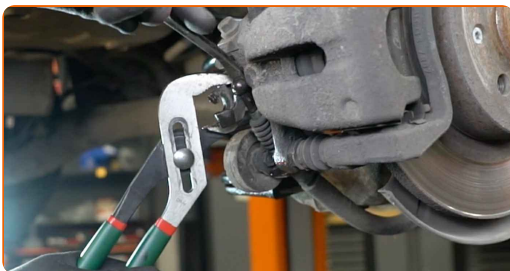
**5** Remove the wheel.



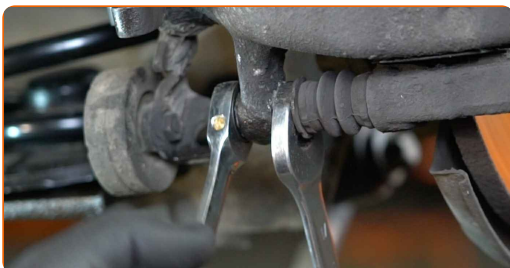
**6** Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.



**7** Release the parking brake cable. Use water pump pliers. Use a crowbar.



**8** Unscrew the brake caliper fastening. Use a combination spanner #13. Use a combination spanner #17.



9

Spread the brake pads. Use a crowbar.



10

Remove the brake caliper.



Replacement: wheel bearing – OPEL Astra F Caravan (T92). Tip from AUTODOC:

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

**11** Remove the brake pads. Use a crowbar.



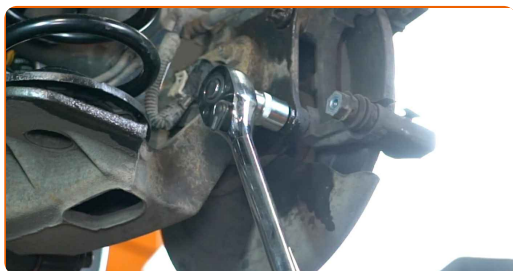
**12** Clean the brake caliper bracket fasteners. Use a wire brush. Use a brake cleaner.



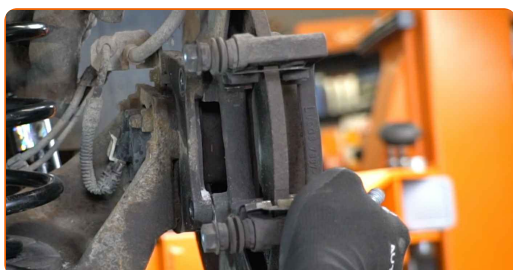
**AUTODOC recommends:**

- Replacement: wheel bearing – OPEL Astra F Caravan (T92). After applying the spray, wait a few minutes.

**13** Unscrew the caliper bracket fastening. Use a drive socket #E20. Use a tap wrench.



**14** Remove the caliper bracket.

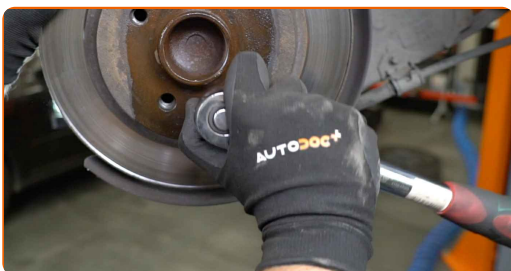




**15** Clean the brake disc fasteners. Use a wire brush. Use WD-40 spray.



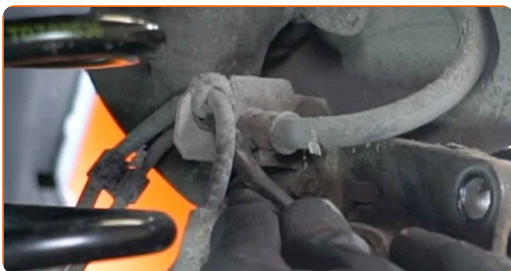
**16** Unscrew the brake disc fastening. Use Torx T30. Use a ratchet wrench.



**17** Remove the brake disc. Use a hammer.



**18** Disconnect the ABS sensor wiring.



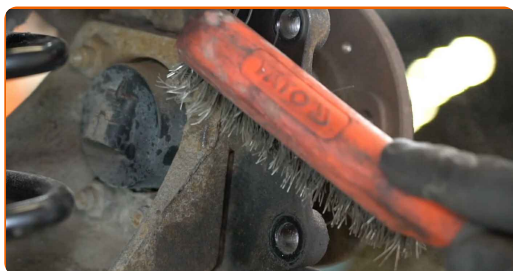
**19** Detach the ABS sensor connector. Use a crowbar.





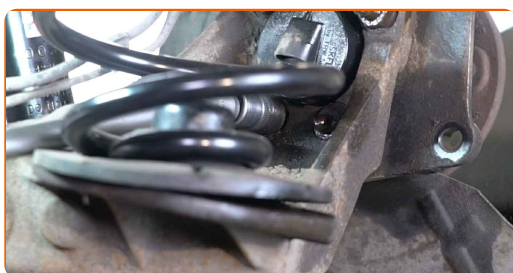
20

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



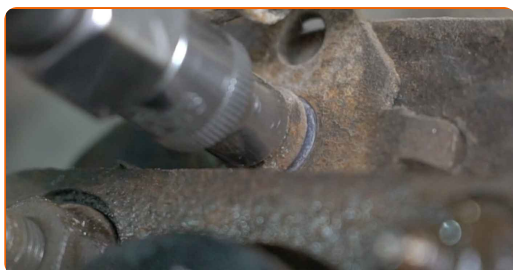
21

Unscrew the hub bearing nuts. Use a drive socket #16. Use a ratchet wrench.



22

Unscrew the fastener of the ABS wiring harness bracket. Use a drive socket #E8. Use a ratchet wrench.

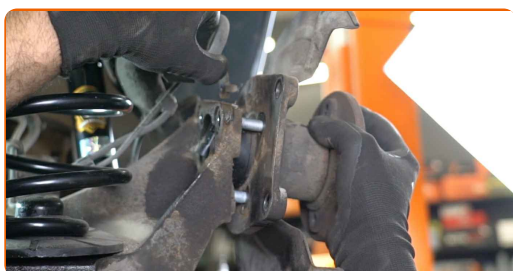


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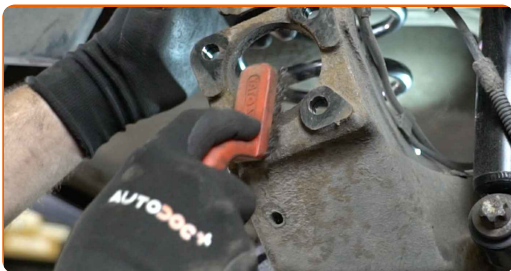
Remove the ABS wiring harness bracket.

24

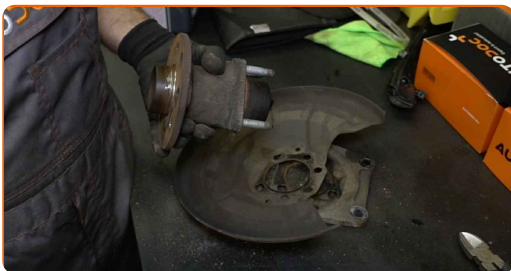
Remove the hub bearing together with the brake disc protection plate.



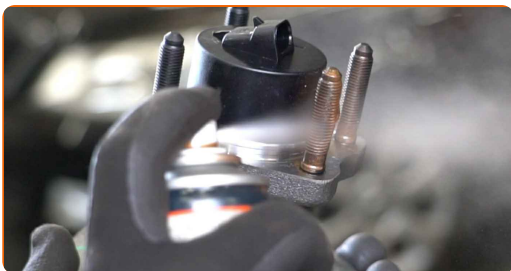
**25** Clean the hub bearing mounting seat. Use a wire brush. Use WD-40 spray.



**26** Detach the hub bearing from the brake disc protection plate. Use a hammer.



**27** Treat the fasteners of the wheel hub bearing. Use copper grease.



**28** Install a new wheel hub bearing.

**29** Install the hub bearing together with the brake disc protection plate.



**30** Screw in the hub bearing nuts. Use a drive socket #16. Use a ratchet wrench.



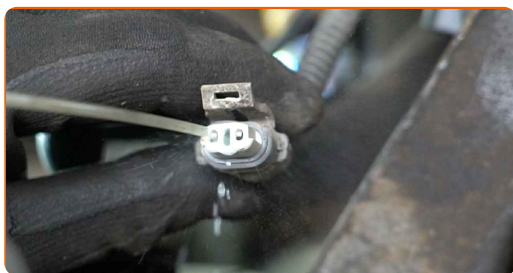
**31** Tighten the hub bearing nuts. Use a drive socket #16. Use a torque wrench. Tighten it to 50 Nm torque.+45°



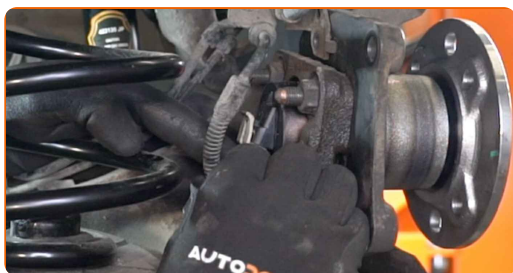
**AUTODOC recommends:**

- Important! Be sure to use new fasteners.

**32** Treat the ABS sensor connector. Use electronic spray.



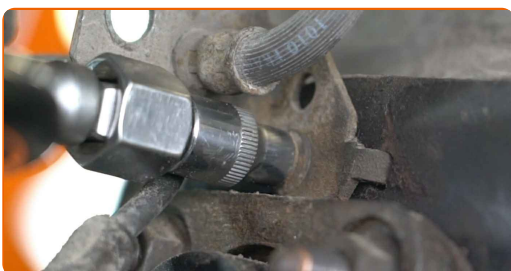
**33** Attach the ABS sensor connector.



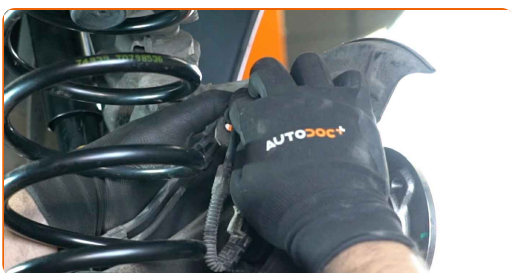
**34** Install the ABS wiring harness bracket.



**35** Tighten the fastener of the ABS wiring harness bracket. Use a drive socket #E8. Use a torque wrench. Tighten it to 7 nm torque.



**36** Connect the ABS sensor wiring.



**37** Treat the fasteners of the wheel hub bearing. Use copper grease.



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



**39** Install the brake disc.



**40** Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 8 nm torque.



**41** Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



Replacement: wheel bearing – OPEL Astra F Caravan (T92). Tip from AUTODOC:

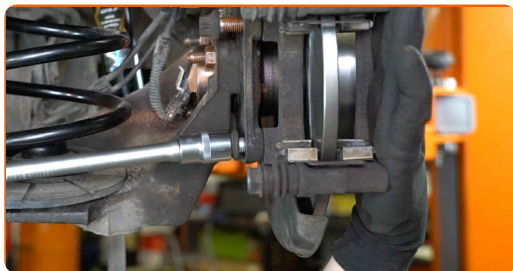
- After applying the spray, wait a few minutes.

**42** Install the brake caliper bracket.





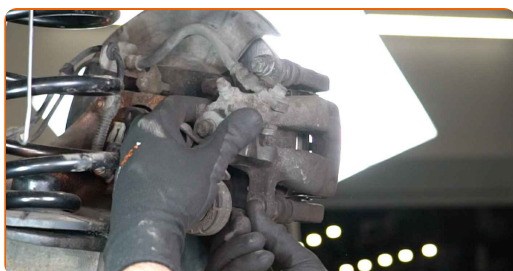
**43** Tighten the brake caliper bracket. Use a drive socket #E20. Use a torque wrench. Tighten it to 100 nm torque.



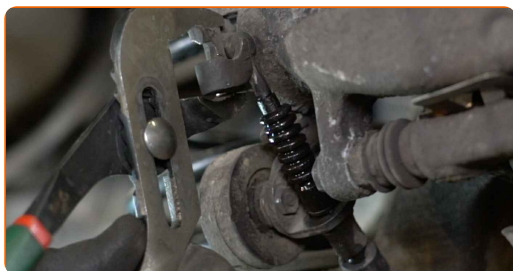
**44** Install the brake pads.



**45** Install the brake caliper and fix it. Use a drive socket #13. Use a combination spanner #17. Use a torque wrench. Tighten it to 25 nm torque.



**46** Install the parking brake cable into the brake caliper bracket. Use water pump pliers. Use a crowbar.



**47**

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



**48**

Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: wheel bearing – OPEL Astra F Caravan (T92). After applying the spray, wait a few minutes.

**49**

Install the wheel.



**AUTODOC recommends:**

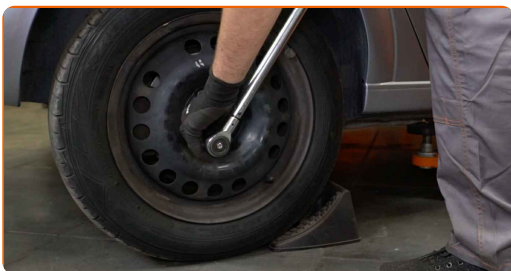
- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. OPEL Astra F Caravan (T92)



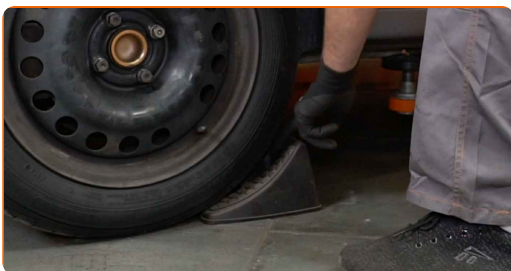
**50** Screw in the wheel bolts. Use wheel impact socket #17.



**51** 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.



**52** Remove the jacks and chocks.



**WELL DONE!** 

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