



How to change front  
wheel bearing on **OPEL**  
**Astra H GTC (A04)** –  
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:

OPEL Astra H GTC (A04) 1.4 (L08), OPEL Astra H GTC (A04) 2.0 Turbo (L08), OPEL Astra H GTC (A04) 1.6 (L08), OPEL Astra H GTC (A04) 1.8 (L08), OPEL Astra H GTC (A04) 1.7 CDTi (L08), OPEL Astra H GTC (A04) 1.9 CDTi 16V (L08), OPEL Astra H GTC (A04) 1.9 CDTi (L08), OPEL Astra H GTC (A04) 1.9 CDTI (L08), OPEL Astra H GTC (A04) 1.3 CDTI (L08), OPEL Astra H GTC (A04) 1.6 Turbo (L08), OPEL Astra H GTC (A04) 1.7 CDTI (L08)

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 ZAFIRA B (A05) 1.8 (M75)

REPLACEMENT: WHEEL BEARING – OPEL ASTRA H  
GTC (A04). TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #17
- Drive socket # E13
- Drive socket # 18
- Drive socket # 19
- Drive socket # 32
- HEX bit no.H5.
- HEX bit no.H7.
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Pin punch
- Hammer
- Flat chisel
- Rubber mallet
- Tap wrench
- Crow bar
- Wheel chock

**Buy tools**

**Replacement: wheel bearing – OPEL Astra H GTC (A04). Tip:**

- Do not re-use the bearing assembly of your OPEL Astra H GTC (A04) car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Warning! Shut down the engine before starting any work – OPEL Astra H GTC (A04).

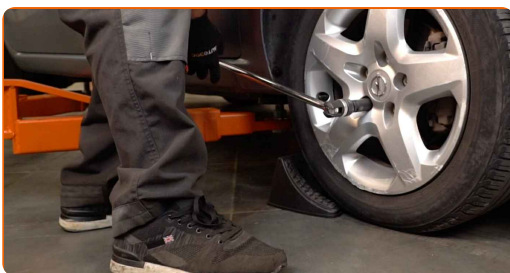
**CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:**

**1** Secure the wheels with chocks.

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



**3** Unscrew the fastener connecting the drive shaft to the wheel hub. Use a drive socket #32. Use a tap wrench.



**4** Raise the front of the car and secure on supports.

**5** Unscrew the wheel bolts.



Replacement: wheel bearing – OPEL Astra H GTC (A04). AUTODOC recommends:

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

**6** Remove the wheel.



**7** Remove the dust boot caps of the brake caliper guide pins. Use a crowbar.



8

Unscrew the brake caliper fastening. Use HEX No.H7. Use a ratchet wrench.



9

Spread the brake pads. Use a crowbar.



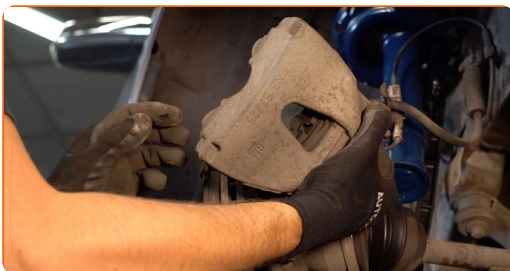
10

Pull aside the brake caliper retaining spring. Use a crowbar.



11

Remove the brake caliper.

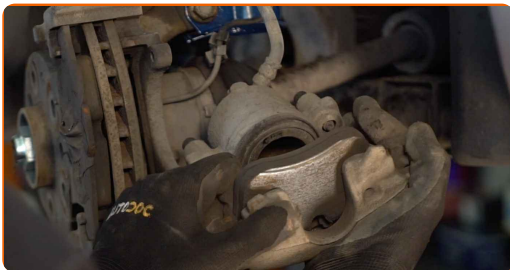


Replacement: wheel bearing – OPEL Astra H GTC (A04). Professionals recommend:

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

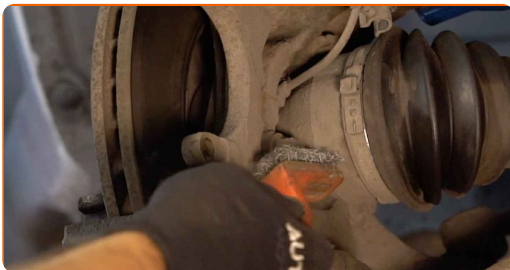
12

Remove the brake pads.



13

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



14

Unscrew the caliper bracket fastening. Use a drive socket #18. Use a tap wrench.



15

Remove the caliper bracket.



16

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



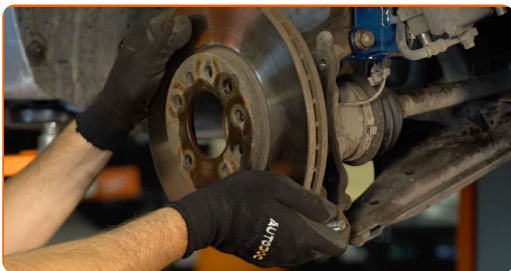
17

Unscrew the brake disc fastening. Use HEX No.H5. Use a ratchet wrench.





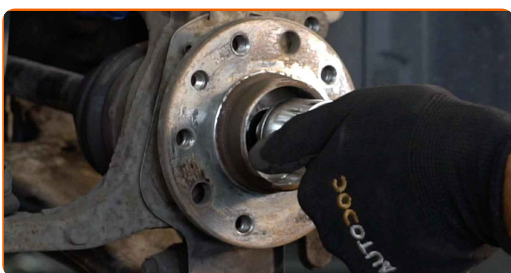
**18** Remove the brake disc.



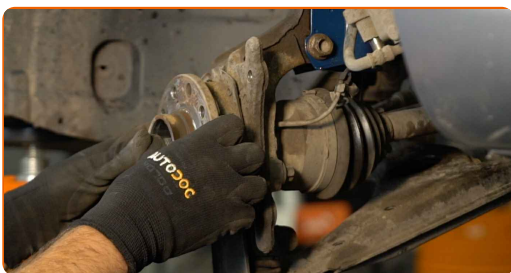
Replacement: wheel bearing – OPEL Astra H GTC (A04). Tip from AUTODOC:

- If necessary, use a rubber mallet.

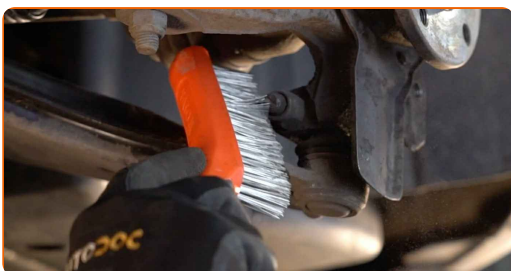
**19** Unscrew the wheel hub axle nut. Use a drive socket #32.



**20** Remove the drive shaft.



**21** Clean the fastener that connects the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.



- 22 Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #17. Use a drive socket #19. Use a ratchet wrench.



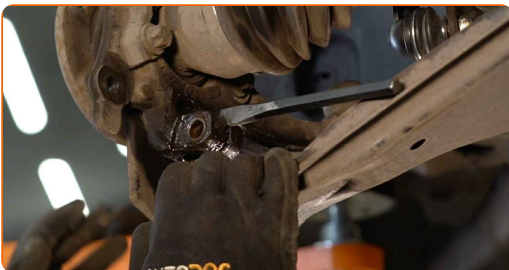
- 23 Remove the fastening bolt. Use a pin punch. Use a rubber mallet.



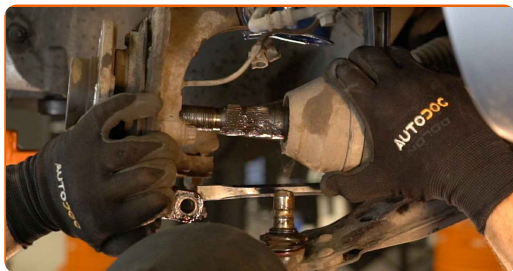
- 24 Release the fastener that connects the control arm ball joint to the steering knuckle. Use a flat metal-working chisel. Use a hammer.



- 25 Disconnect the lower arm from the steering knuckle.



**26** Remove the drive shaft.



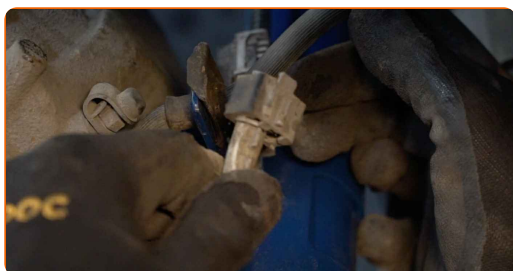
Replacement: wheel bearing – OPEL Astra H GTC (A04). AUTODOC experts recommend:

- Make sure that the drive shaft is not unloaded (when the car is jacked).

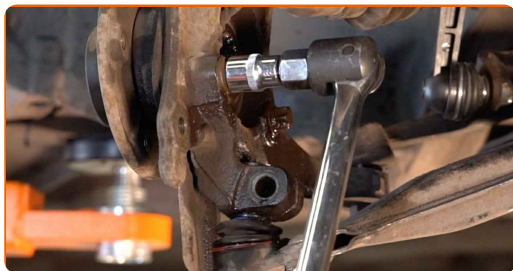
**27** Clean the hub bearing mounting seat. Use a wire brush. Use WD-40 spray.



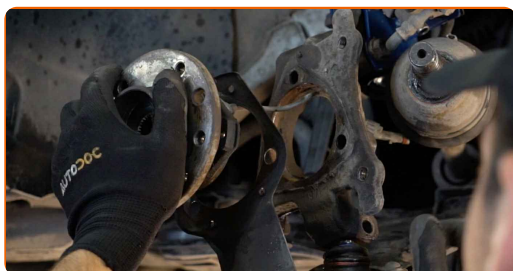
**28** Detach the ABS sensor connector.



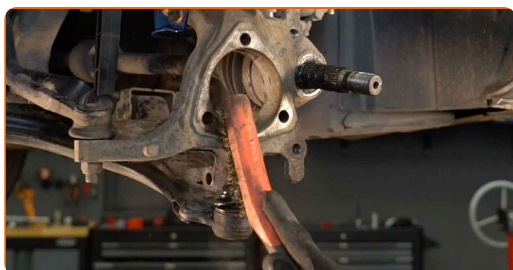
**29** Unscrew the hub bearing mounting. Use a drive socket #E13. Use a ratchet wrench. Use a tap wrench.



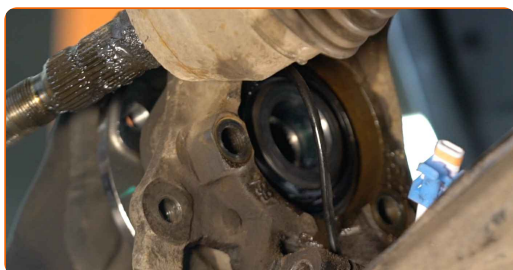
**30** Remove the hub and the bearing together, since they are a sealed unit.



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



**32** Install the new wheel hub with a bearing.



- 33** Tighten the fastener of the wheel hub bearing. Use a drive socket #E13. Use a torque wrench. Tighten it to 90 Nm torque.+45°



Replacement: wheel bearing – OPEL Astra H GTC (A04). Tip from AUTODOC experts:

- Important! Be sure to use new fasteners.
- The wheel bearing unit must not tilt on the axle pin.

- 34** Clean the splines of the drive shaft CV joint. Use a wire brush. Use WD-40 spray.



- 35** Mount the drive shaft into the wheel hub.



**36** Connect the lower arm to the steering knuckle.



**37** Install the fastening bolt.



**38** Tighten the ball joint fastener. Use a combination spanner #17. Use a drive socket #19. Use a torque wrench. Tighten it to 50 Nm torque.



**39** Attach the ABS sensor connector.



**40**

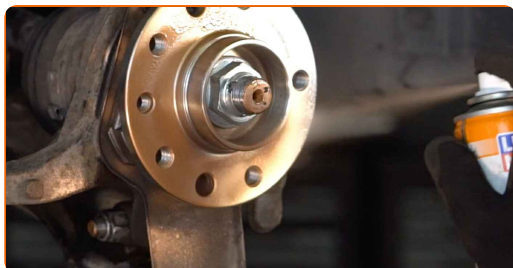
Treat the splines of the driveshaft CV joint. Use copper grease.

**41**

Screw the wheel hub axle nut. Use a drive socket #32.

**42**

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

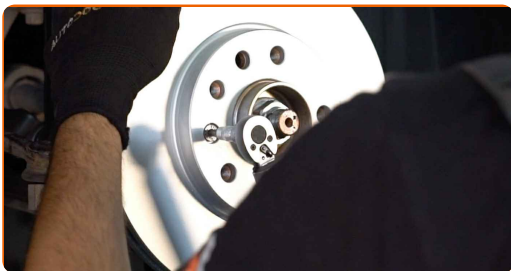
**43**

Install the brake disc.

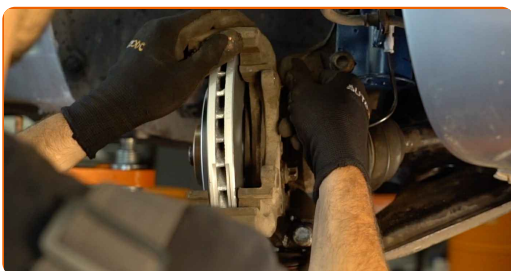


**44**

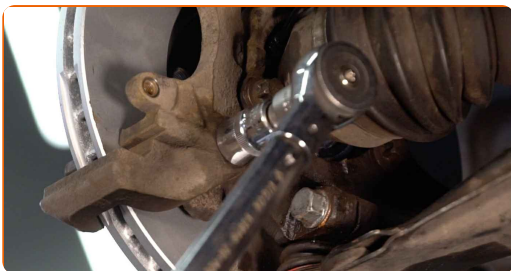
Tighten the brake disc fastening. Use HEX No.H5. Use a torque wrench. Tighten it to 7 Nm torque.

**45**

Install the brake caliper bracket.

**46**

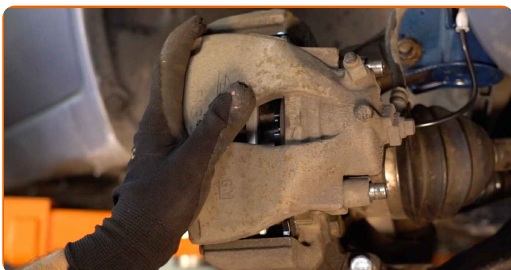
Tighten the brake caliper bracket. Use a drive socket #18. Use a torque wrench. Tighten it to 100 Nm torque.

**47**

Install the brake pads.

**48**

Install the brake caliper and fix it.

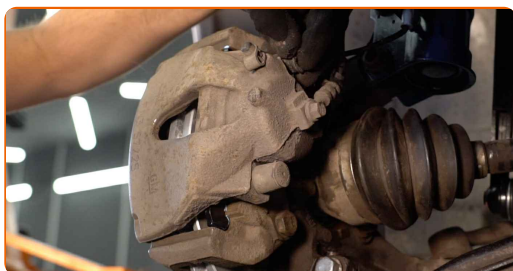




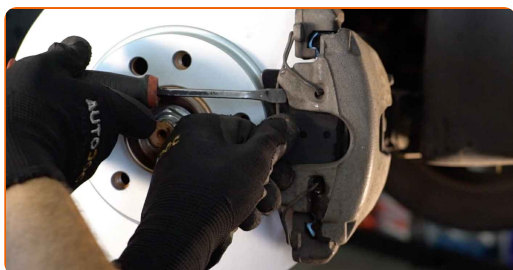
**49** Tighten the brake caliper fasteners. Use HEX No.H7. Use a torque wrench. Tighten it to 28 Nm torque.



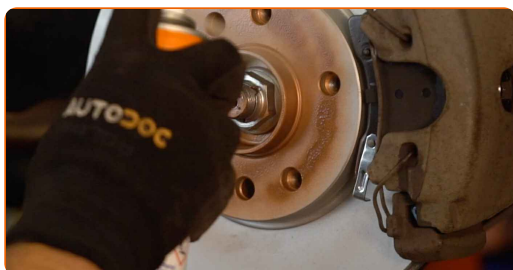
**50** Install the dust boot caps of the brake caliper guide pins.



**51** Snap the brake caliper retaining spring back into place. Use a crowbar.



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



53

Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: wheel bearing – OPEL Astra H GTC (A04). After applying the spray, wait a few minutes.

54

Install the wheel.

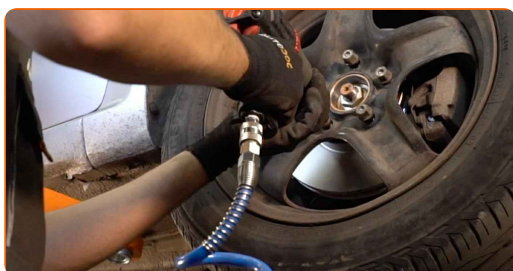


**Replacement: wheel bearing – OPEL Astra H GTC (A04). AUTODOC recommends:**

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

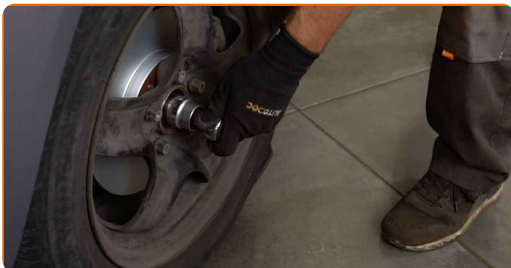
55

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

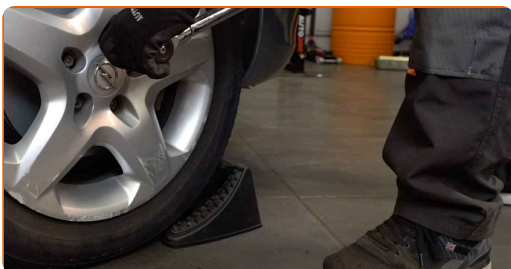


56 Lower the car.

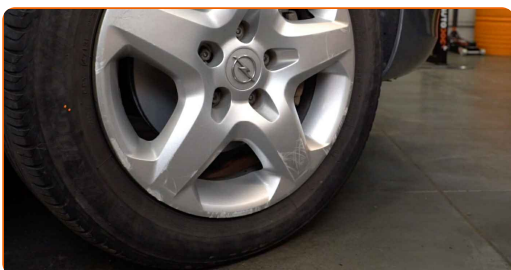
57 Tighten the drive shaft nut. Use a drive socket #32. Use a torque wrench. Tighten it to 250 Nm torque.



58 Tighten the wheel bolts using a criss-cross pattern. Use a torque wrench. Tighten it to 110 Nm torque.



59 Remove the jacks and chocks.



**WELL DONE!** 

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