



How to change front
wheel bearing on
**VAUXHALL Astra Mk V
(H) TwinTop (A04)** –
replacement guide

SIMILAR VIDEO TUTORIAL



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

Important!

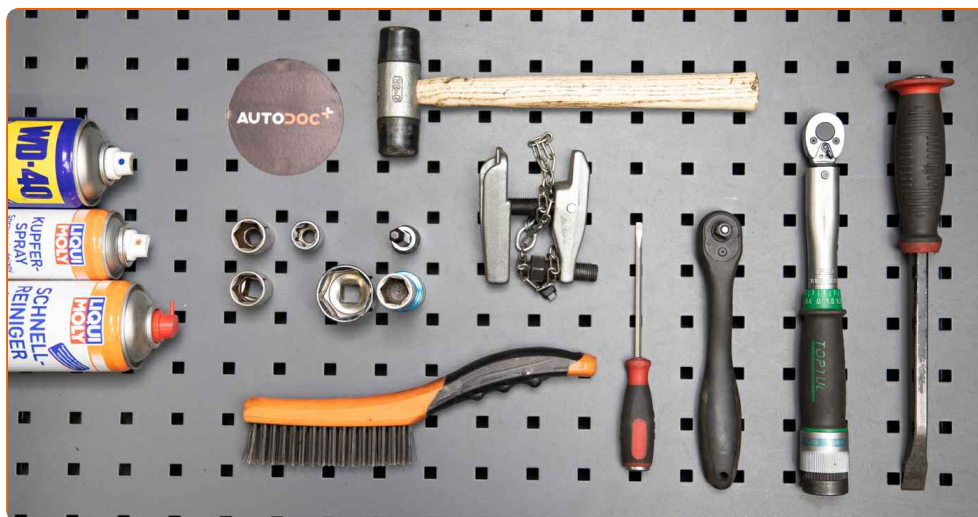
This replacement procedure can be used for:

VAUXHALL Astra Mk V (H) TwinTop (A04) 1.6, VAUXHALL Astra Mk V (H) TwinTop (A04) 2.0, VAUXHALL Astra Mk V (H) TwinTop (A04) 1.6 i 16V, VAUXHALL Astra Mk V (H) TwinTop (A04) 1.8, VAUXHALL Astra Mk V (H) TwinTop (A04) 2.0 Turbo, VAUXHALL Astra Mk V (H) TwinTop (A04) 1.9 CDTi

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 Astra H Caravan (A04) 1.3 CDTI (L35)

REPLACEMENT: WHEEL BEARING – VAUXHALL ASTRA MK V (H) TWINTOP (A04). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Drive socket # 18
- Drive socket # E18
- Drive socket # 19
- Drive socket # 32
- HEX bit no.H5.
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Flat Screwdriver
- Crow bar
- Rubber mallet
- Ball joint puller
- Wheel chock

Buy tools

Replacement: wheel bearing – VAUXHALL Astra Mk V (H) TwinTop (A04).
AUTODOC experts recommend:

- Do not re-use the bearing assembly of your VAUXHALL Astra Mk V (H) TwinTop (A04) 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 – VAUXHALL ASTRA MK V (H) TWINTOP (A04). RECOMMENDED SEQUENCE OF STEPS:

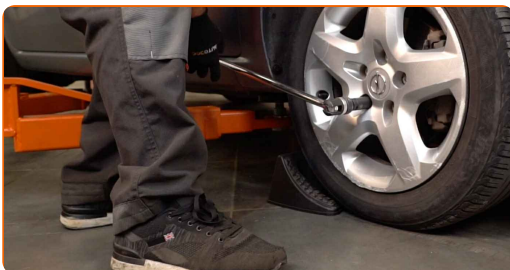
1

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:

- Important! Hold the wheel while unscrewing the fastening bolts. VAUXHALL Astra Mk V (H) TwinTop (A04)

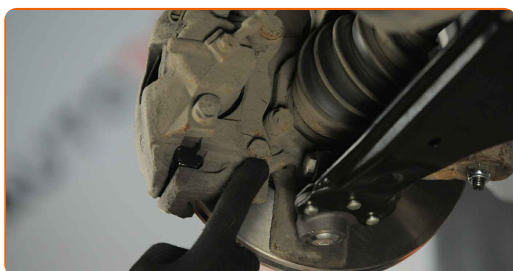
5

Remove the wheel.



6

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



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



8 Remove the fastening bolts (2 pieces).

9 Remove the brake caliper together with its bracket.



**Replacement: wheel bearing – VAUXHALL Astra Mk V (H) TwinTop (A04).
AUTODOC recommends:**

- 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.

10 Disconnect the ABS sensor wiring. Use a flat screwdriver.



11 Detach the ABS sensor connector.



12 Remove the ABS wiring harness bracket.

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



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



15 Remove the brake disc.

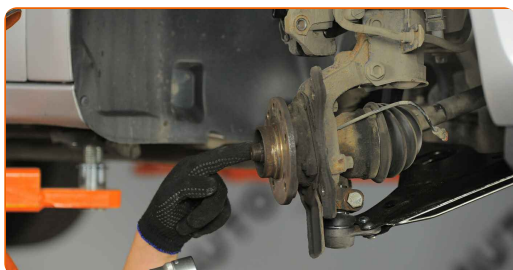


16 Remove the hub bearing protection cap. Use a crowbar. Use a rubber mallet.

17 Unscrew the fastener connecting the drive shaft to the wheel hub. Use a drive socket #32. Use a ratchet wrench.



18 Remove the drive shaft from the wheel hub. Use a rubber mallet.



19 Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.

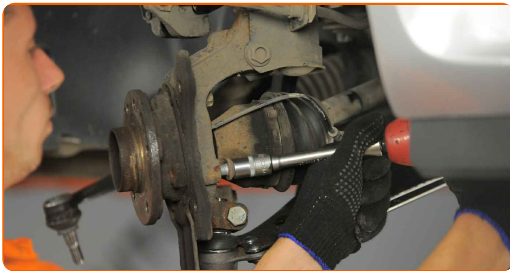
20 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #19. Use a ratchet wrench.



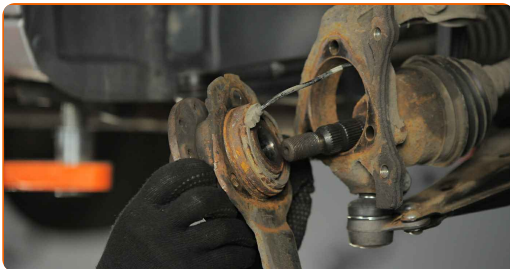
21 Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



22 Unscrew the wheel hub bolts. Use a drive socket #E18. Use a ratchet wrench.



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



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

25 Install the new wheel hub with a bearing.



26

Mount the drive shaft into the wheel hub.



27

Tighten the wheel hub bolts. Use a drive socket #E18. Use a torque wrench. Tighten it to 90 Nm torque. +45°

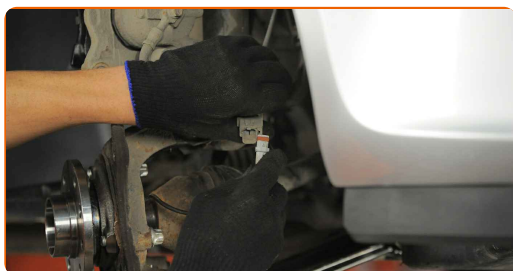


AUTODOC recommends:

- Important! Be sure to use new fasteners.

28

Attach the ABS sensor connector.

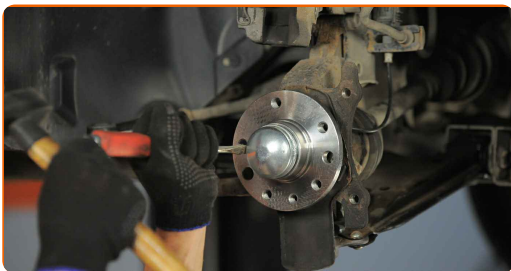


29

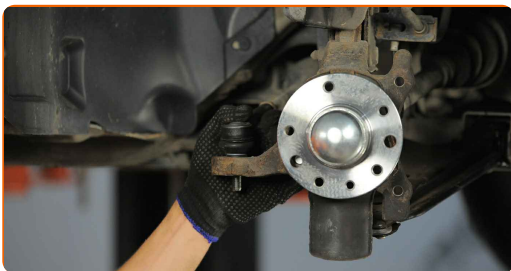
Tighten the drive shaft nut. Use a drive socket #32. Use a torque wrench. Tighten it to 250 Nm torque.



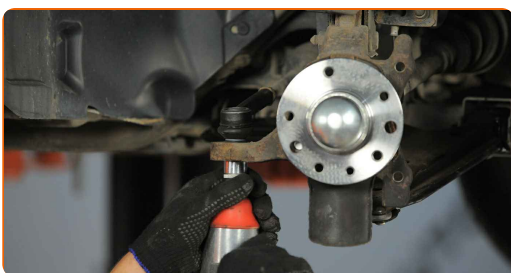
30 Install the hub bearing protection cap. Use a crowbar. Use a rubber mallet.



31 Connect the tie rod end to the steering knuckle.



32 Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #19. Use a torque wrench. Tighten it to 30 Nm torque. +90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

33 Install the brake disc.

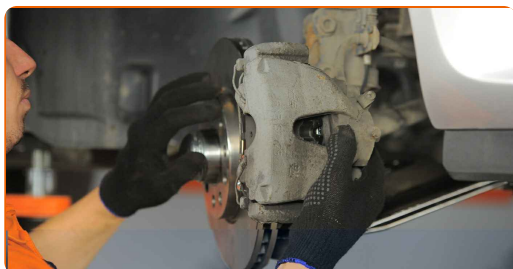


34 Tighten the brake disc fastening. Use HEX No.H5. Use a torque wrench. Tighten it to 7 Nm torque.



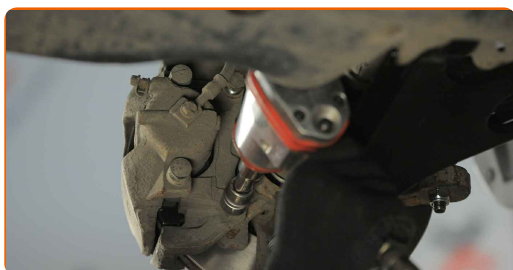
35 Clean the mounting seats of the caliper and its bracket. Use a wire brush. Use WD-40 spray.

36 Install the brake caliper together with its bracket.

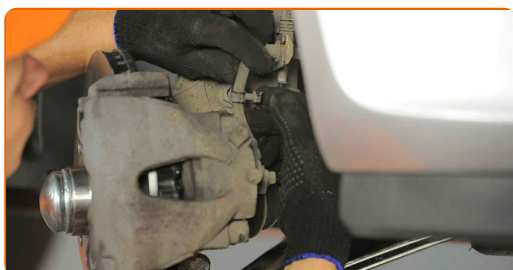


37 Install the fastening bolts (2 pieces).

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



39 Install the mounting bracket of the brake hose and the ABS cable.

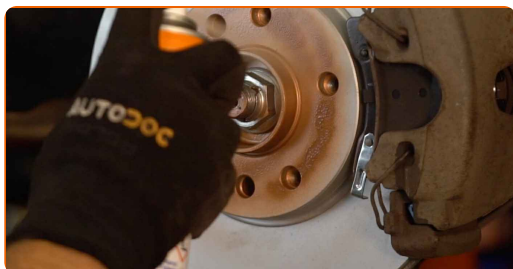


40 Connect the ABS sensor wiring.

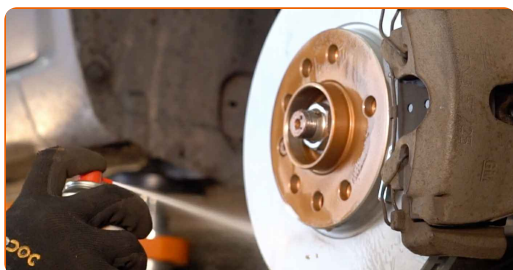


41 Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.

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



43 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: wheel bearing – VAUXHALL Astra Mk V (H) TwinTop (A04). After applying the spray, wait a few minutes.

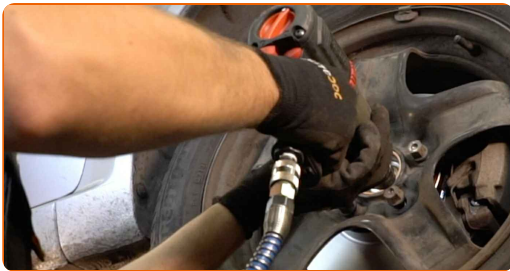
44 Install the wheel.



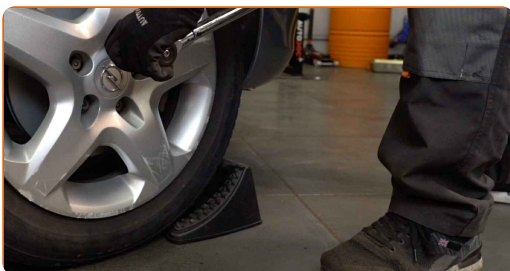
Replacement: wheel bearing – VAUXHALL Astra Mk V (H) TwinTop (A04). Tip from AUTODOC:

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

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



46 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.



47

Remove the jacks and chocks.



WELL DONE! 

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WHEEL BEARING: A WIDE SELECTION

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