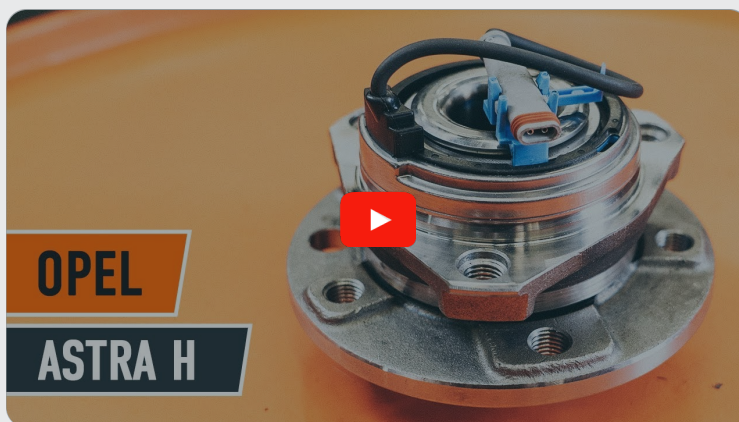




How to change front
wheel bearing on **Opel**
Astra H saloon –
replacement guide

VIDEO TUTORIAL



i Important!

This replacement procedure can be used for:

OPEL Astra H Caravan (A04) 1.6 LPG (L35), OPEL Astra H Caravan (A04) 1.4 LPG (L35), OPEL Astra H Caravan (A04) 1.4 (L35), OPEL ASTRA H Box (L70) 1.7 CDTI (L70), OPEL ASTRA H Box (L70) 1.9 CDTI (L70), OPEL ASTRA H Box (L70) 1.3 CDTI (L70), OPEL Astra H GTC (A04) 1.4 (L08), OPEL Astra H Hatchback (A04) 1.4 LPG (L48), OPEL Astra H Hatchback (A04) 1.4 (L48), OPEL Astra H Hatchback (A04) 1.6 (L48), OPEL Astra H Hatchback (A04) 1.8 (L48), OPEL Astra H Hatchback (A04) 1.7 CDTI (L48), OPEL Astra H Hatchback (A04) 2.0 Turbo (L48), OPEL Astra H Hatchback (A04) 1.9 CDTI (L48), OPEL Astra H Caravan (A04) 1.6 (L35), (+ 29)

The steps may slightly vary depending on the car design.

REPLACEMENT: WHEEL BEARING – OPEL ASTRA H SALOON. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Electronic spray
- Copper grease
- Torque wrench
- Combination spanner #18
- Drive socket # 18
- Drive socket # E18
- Drive socket # 32
- Torx bit T30
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Hammer
- Pin punch
- Rubber mallet
- Crow bar
- Wheel chock

[BUY TOOLS](#)

AUTODOC recommends:

- Do not re-use the bearing assembly of your Opel Astra H saloon 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 H saloon – 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 front of the car and secure on supports.



4

Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Opel Astra H saloon

5

Remove the wheel.



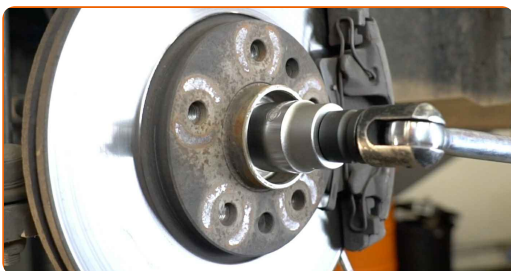
6

Remove the wheel hub nut cap. Use a hammer. Use a crowbar.



7

Loosen and remove the hub nut. Use a drive socket #32. Use a tap wrench.



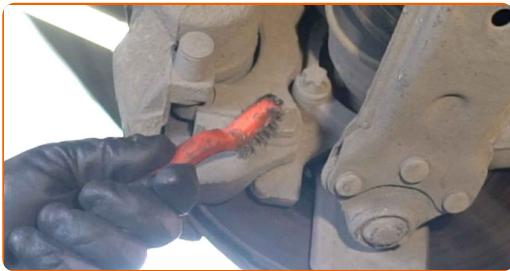
8

Spread the brake pads. Use a crowbar.



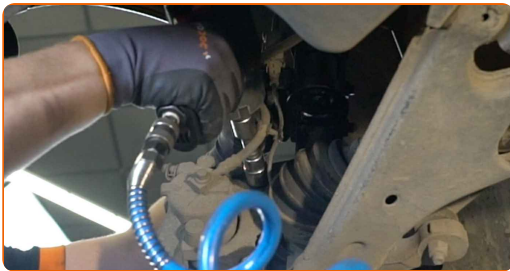
9

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



10

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



11

Remove the brake caliper together with its bracket.



Replacement: wheel bearing – Opel Astra H saloon. 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.

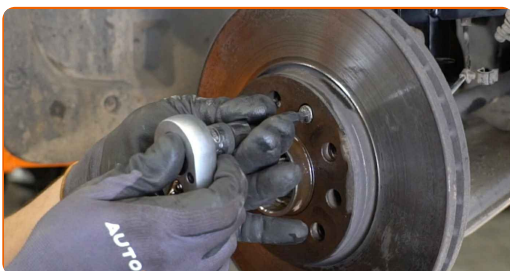
12

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



13

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



14

Remove the brake disc.



Replacement: wheel bearing – Opel Astra H saloon. AUTODOC experts recommend:

- If necessary, use a rubber mallet.

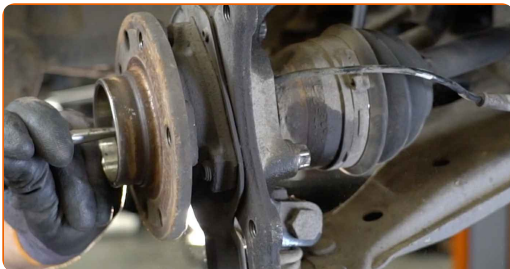
15

Detach the ABS sensor connector.



16

Detach the driveshaft from the steering knuckle. Use a pin punch. Use a hammer.



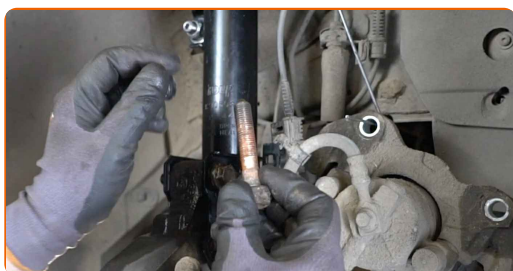
Replacement: wheel bearing – Opel Astra H saloon. Tip from AUTODOC experts:

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

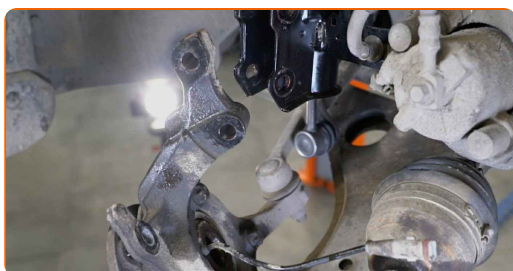
- 17 Unscrew the fasteners connecting the suspension strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



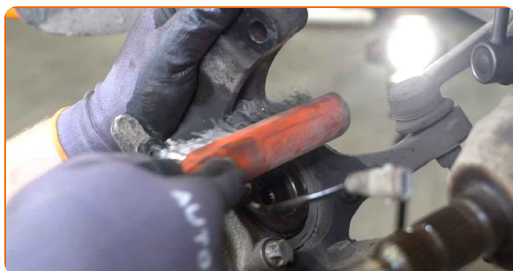
- 18 Remove the fastening bolts.



- 19 Disconnect the steering knuckle from the shock absorber strut.

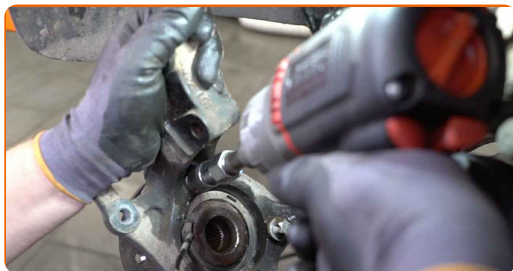


- 20 Clean the wheel hub fastener. Use a wire brush. Use WD-40 spray.



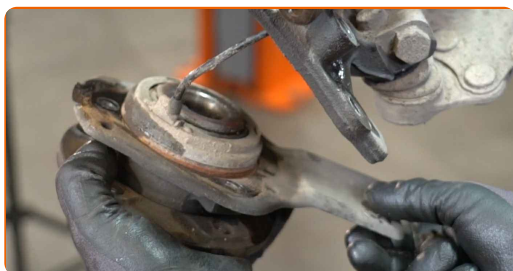
21

Unscrew the wheel hub axle nut. Use a drive socket #E18. Use a tap wrench. Use a ratchet wrench.



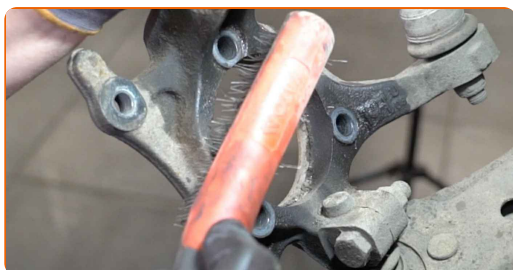
22

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



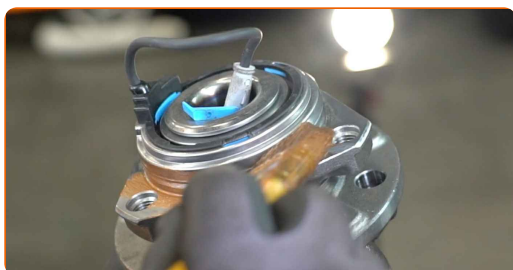
23

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



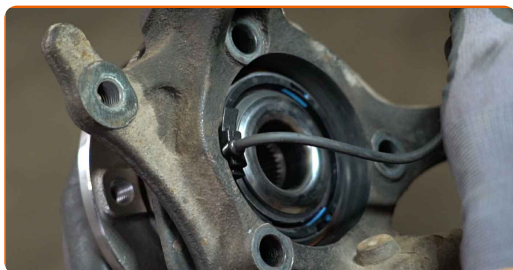
24

Treat the wheel hub bearing. Use copper grease.



25

Install the new wheel hub with a bearing.



26 Fix the shock absorber strut on the steering knuckle.



27 Install the fastening bolts.



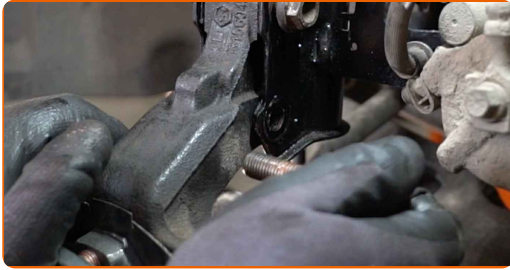
28 Tighten the hub. Use a drive socket #E18. Use a torque wrench. Tighten it to 90 Nm torque.+45°



Replacement: wheel bearing – Opel Astra H saloon. Tip from AUTODOC:

- Make sure that the wheel hub is positioned correctly. Avoid any misalignment.
- Important! Be sure to use new fasteners.

29 Remove the fastening bolts.



30 Disconnect the steering knuckle from the shock absorber strut.



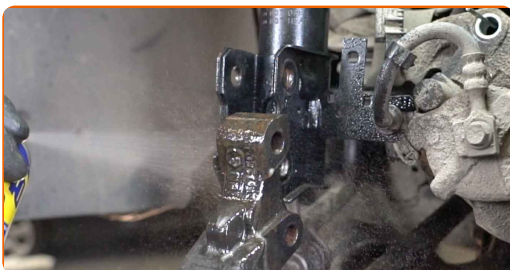
31 Clean the splines of the drive shaft CV joint. Use a wire brush. Use WD-40 spray.



32 Install the drive shaft.



33 Treat the shock strut mounting seat on the steering knuckle. Use a wire brush. Use WD-40 spray.



34 Fix the shock absorber strut on the steering knuckle.



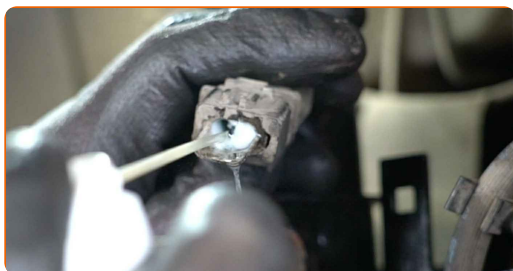
35 Install the fastening bolts.



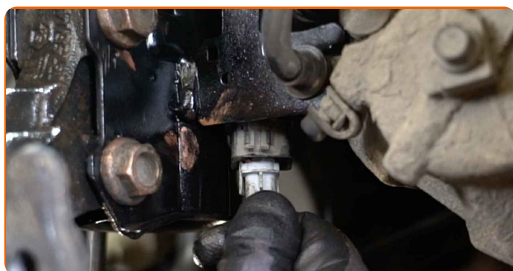
36 Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 120 Nm torque.



37 Treat the ABS sensor connector. Use dielectric grease.



38 Attach the ABS sensor connector.



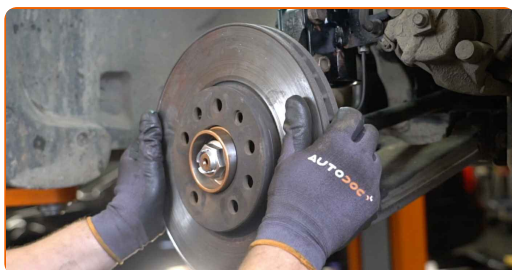
39 Screw on the wheel hub nut. Use a drive socket #32.



40 Apply some copper grease to the hub where it contacts the brake disk.



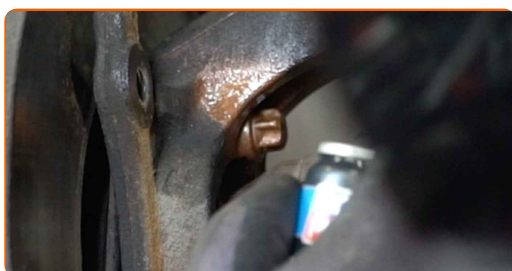
41 Install the brake disc.



42 Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 7 Nm torque.



43 Treat the wheel hub nut. Use copper grease.



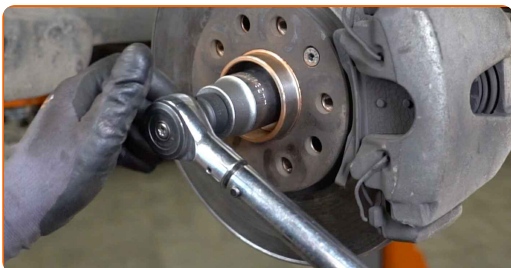
44 Install the brake caliper together with its bracket.



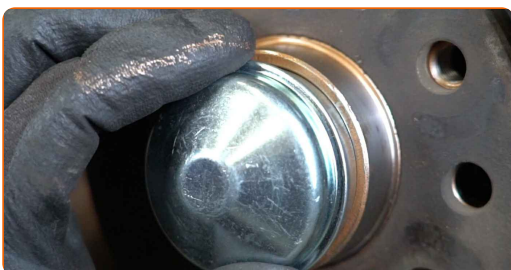
45 Tighten the brake caliper bracket. Use a drive socket #18. Use a torque wrench. Tighten it to 100 nm torque.



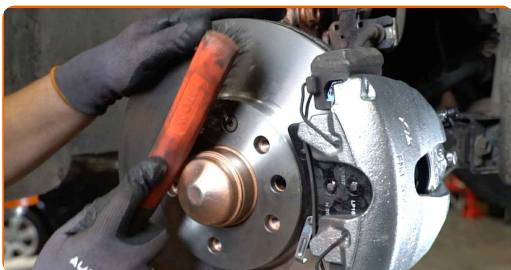
46 Tighten the wheel hub nut. Use a drive socket #32. Use a torque wrench. Tighten it to 250 Nm torque.



47 Install the cap of the hub nut.



48 Clean the wheel rim mounting seat. Use a wire brush.



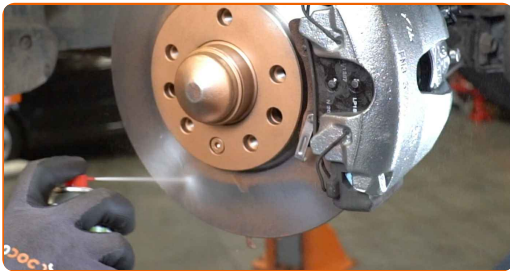
49

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



50

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: wheel bearing – Opel Astra H saloon. After applying the spray, wait a few minutes.

51

Install the wheel.

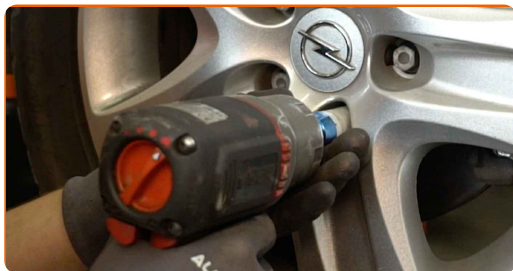


AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Opel Astra H saloon

52

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



53

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.



54

Remove the jacks and chocks.



WELL DONE! 

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