



How to change front
wheel bearing on **OPEL**
ASTRA H Box (L70) –
replacement guide

SIMILAR VIDEO TUTORIAL



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

Important!

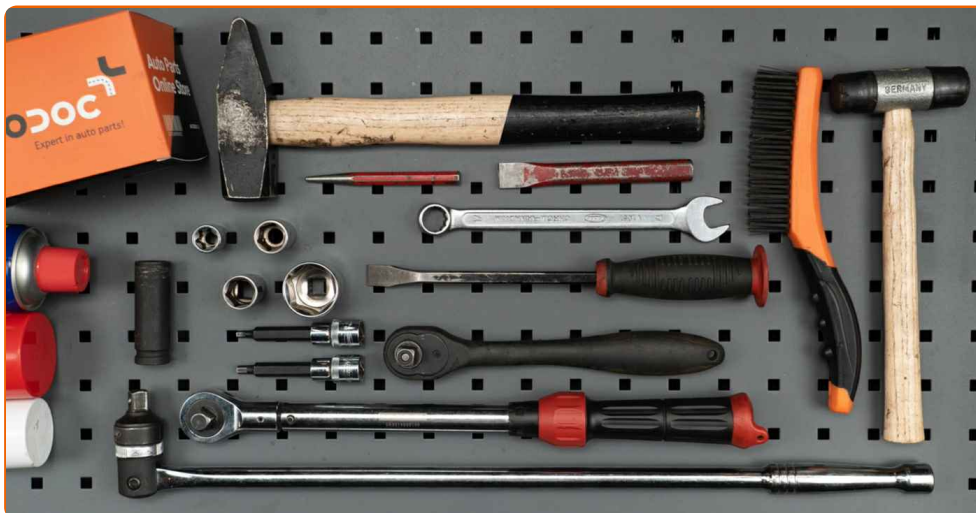
This replacement procedure can be used for:

OPEL ASTRA H Box (L70) 1.7 CDTI (L70), OPEL ASTRA H Box (L70) 1.9 CDTI (L70), OPEL ASTRA H Box (L70) 1.9 CDTI 16V (L70), OPEL ASTRA H Box (L70) 1.3 CDTI (L70), OPEL ASTRA H Box (L70) 1.6 (L70), OPEL ASTRA H Box (L70) 1.6 EcoTec (L70), OPEL ASTRA H Box (L70) 1.4 EcoTec (L70)

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 BOX (L70). 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 Box (L70). Tip:

- Do not re-use the bearing assembly of your OPEL ASTRA H Box (L70) 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 Box (L70).

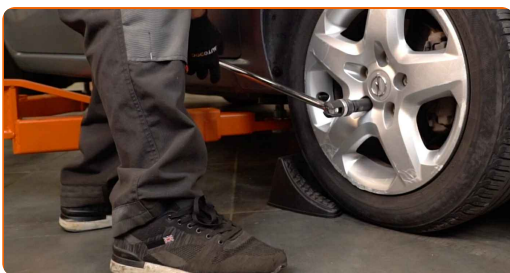
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

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.



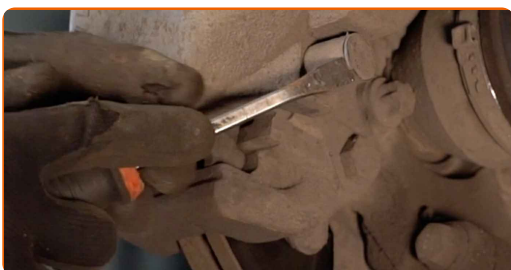
Replacement: wheel bearing – OPEL ASTRA H Box (L70). AUTODOC recommends:

- 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

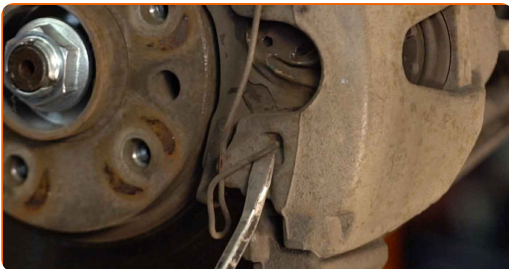
Unscrew the brake caliper fastening. Use HEX No.H7. Use a ratchet wrench.

**9**

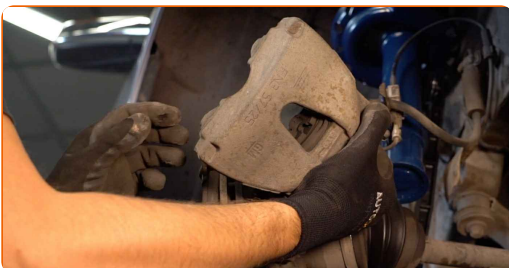
Spread the brake pads. Use a crowbar.

**10**

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

**11**

Remove the brake caliper.

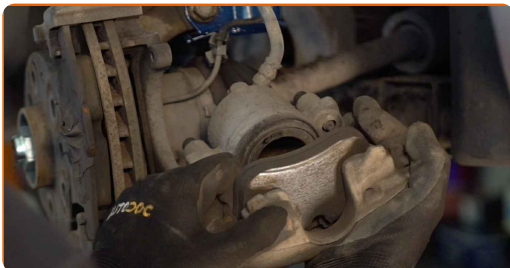


Replacement: wheel bearing – OPEL ASTRA H Box (L70). Professionals recommend:

- 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.

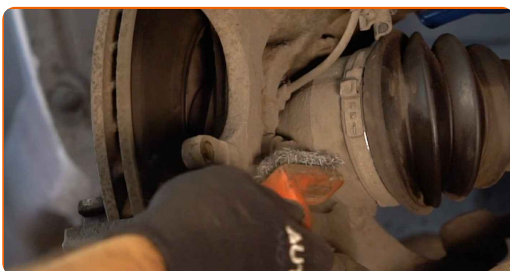
12

Remove the brake pads.



13

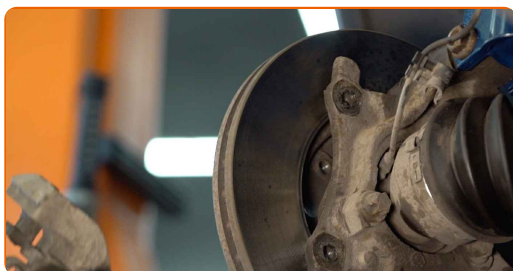
Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



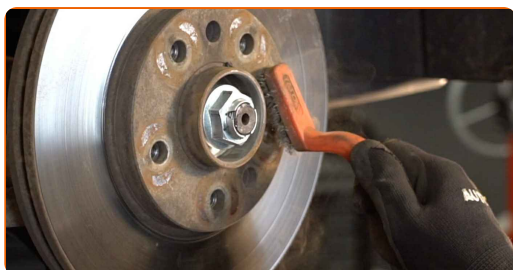
14 Unscrew the caliper bracket fastening. Use a drive socket #18. Use a tap wrench.



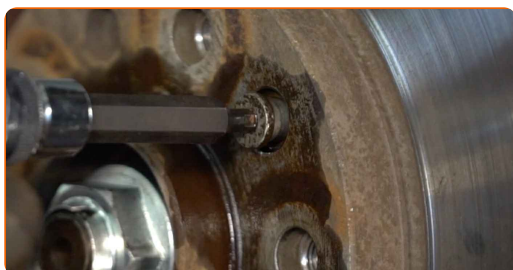
15 Remove the caliper bracket.



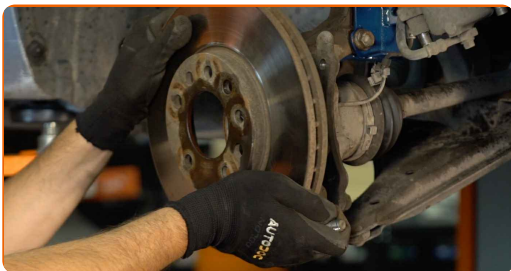
16 Clean the brake disc fasteners. Use a wire brush. Use WD-40 spray.



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



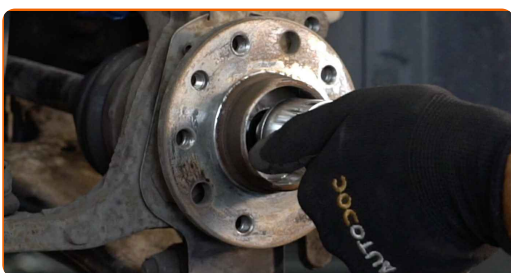
18 Remove the brake disc.



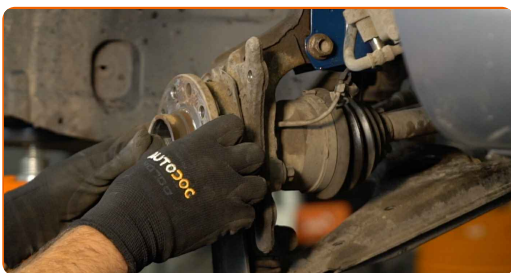
Replacement: wheel bearing – OPEL ASTRA H Box (L70). Tip from AUTODOC:

- If necessary, use a rubber mallet.

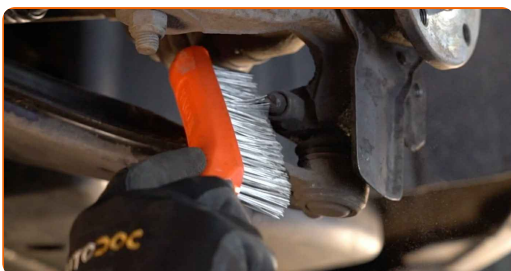
19 Unscrew the wheel hub axle nut. Use a drive socket #32.



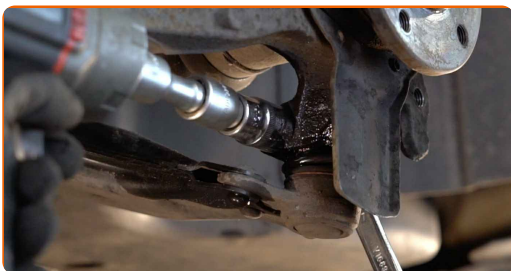
20 Remove the drive shaft.



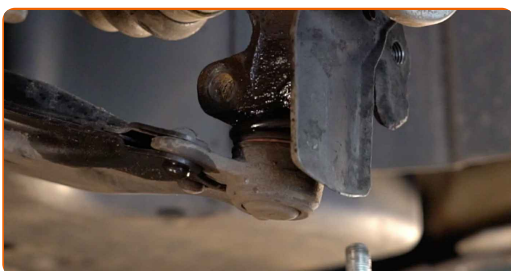
21 Clean the fastener that connects the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.



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



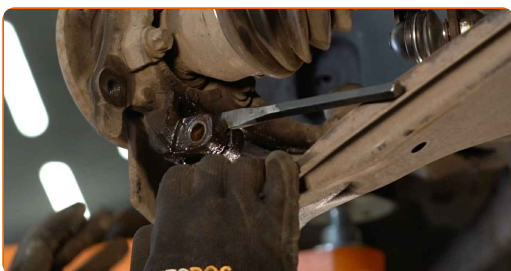
- 23** Remove the fastening bolt. Use a pin punch. Use a rubber mallet.



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

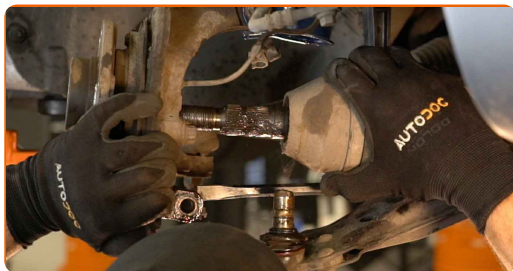


- 25** Disconnect the lower arm from the steering knuckle.



26

Remove the drive shaft.

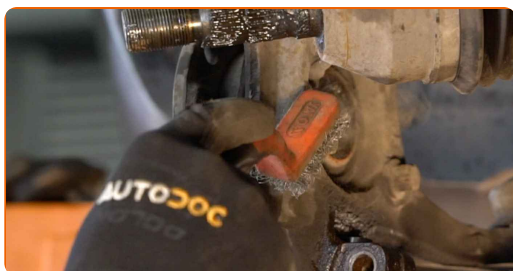


Replacement: wheel bearing – OPEL ASTRA H Box (L70). AUTODOC experts recommend:

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

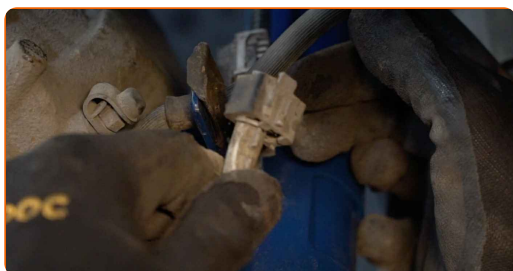
27

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

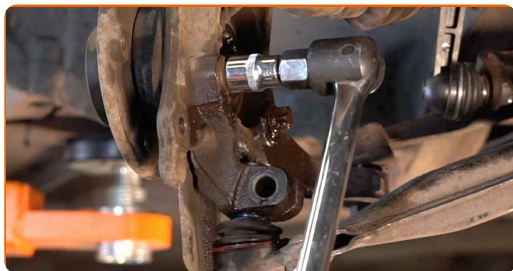


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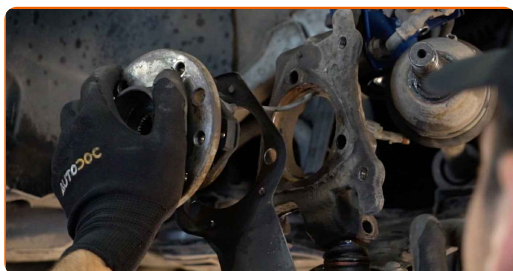
Detach the ABS sensor connector.



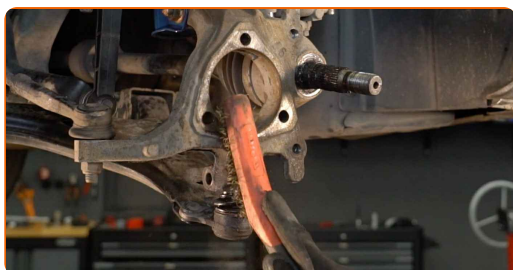
29 Unscrew the hub bearing mounting. Use a drive socket #E13. Use a ratchet wrench. Use a tap wrench.



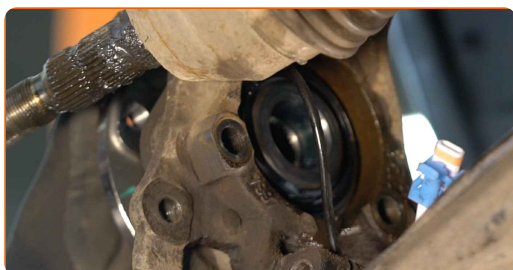
30 Remove the hub and the bearing together, since they are a sealed unit.



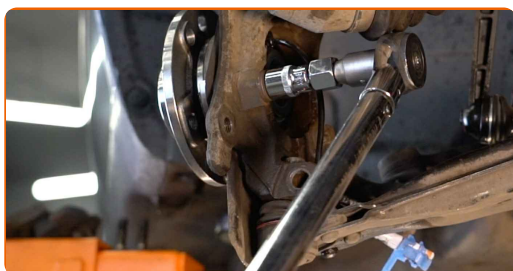
31 Clean the hub bearing mounting seat. Use a wire brush. Use WD-40 spray.



32 Install the new wheel hub with a bearing.



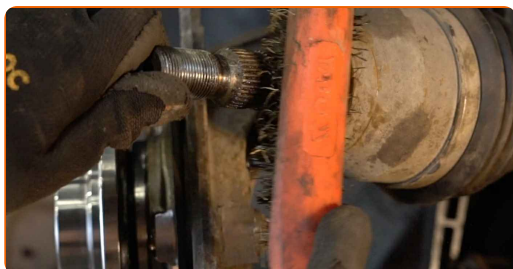
- 33** Tighten the fastener of the wheel hub bearing. Use a drive socket #E13. Use a torque wrench. Tighten it to 90 Nm torque.+45°



Replacement: wheel bearing – OPEL ASTRA H Box (L70). Tip from AUTODOC experts:

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

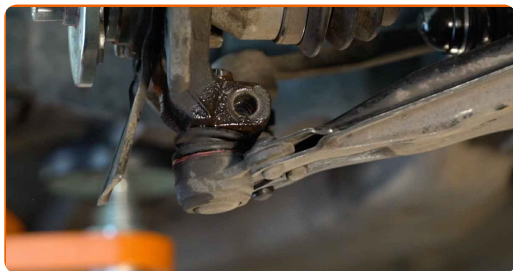
- 34** Clean the splines of the drive shaft CV joint. Use a wire brush. Use WD-40 spray.



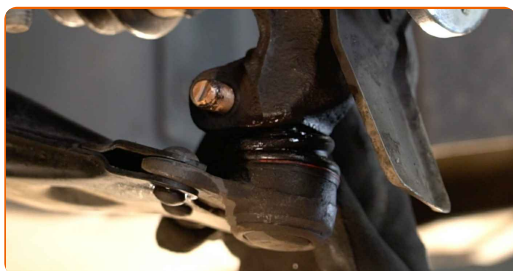
- 35** Mount the drive shaft into the wheel hub.



36 Connect the lower arm to the steering knuckle.



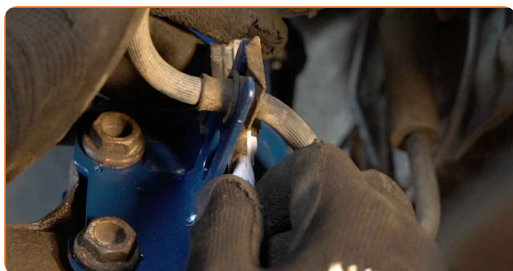
37 Install the fastening bolt.



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

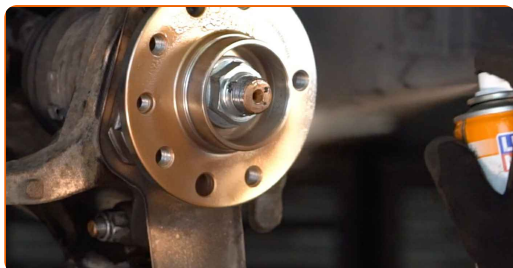
Treat the splines of the driveshaft CV joint. Use copper grease.

**41**

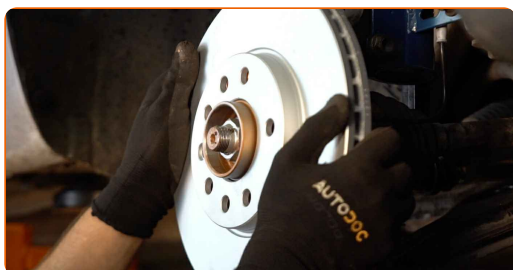
Screw the wheel hub axle nut. Use a drive socket #32.

**42**

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

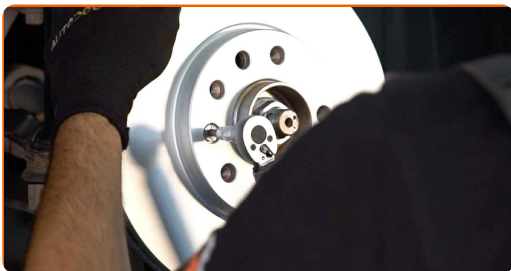
**43**

Install the brake disc.

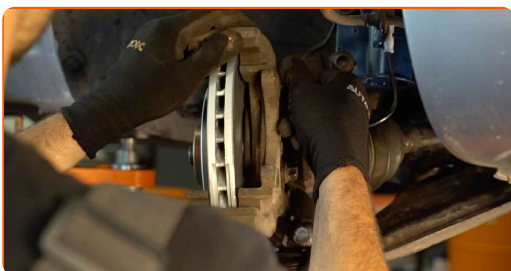


44

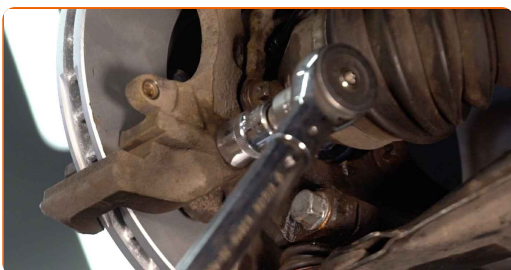
Tighten the brake disc fastening. Use HEX No.H5. Use a torque wrench. Tighten it to 7 Nm torque.

**45**

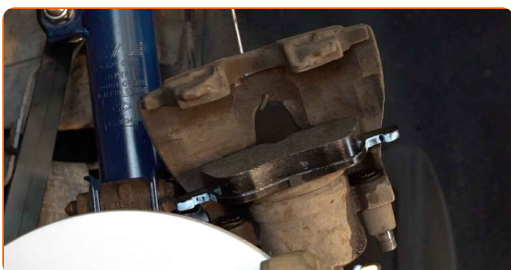
Install the brake caliper bracket.

**46**

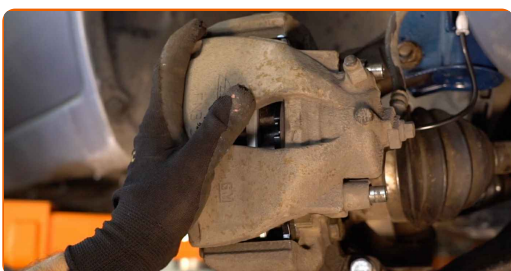
Tighten the brake caliper bracket. Use a drive socket #18. Use a torque wrench. Tighten it to 100 Nm torque.

**47**

Install the brake pads.

**48**

Install the brake caliper and fix it.

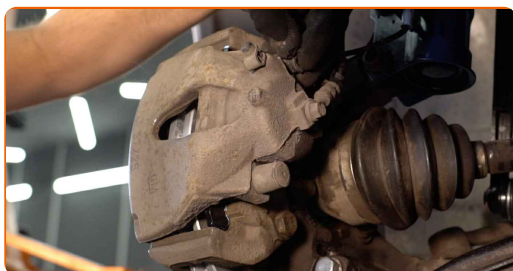


49

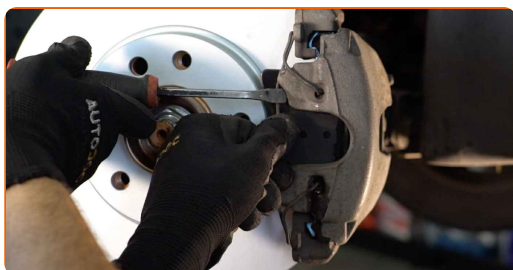
Tighten the brake caliper fasteners. Use HEX No.H7. Use a torque wrench. Tighten it to 28 Nm torque.

**50**

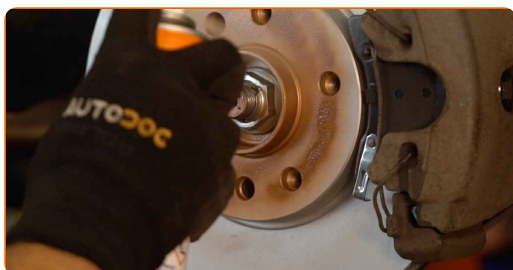
Install the dust boot caps of the brake caliper guide pins.

**51**

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

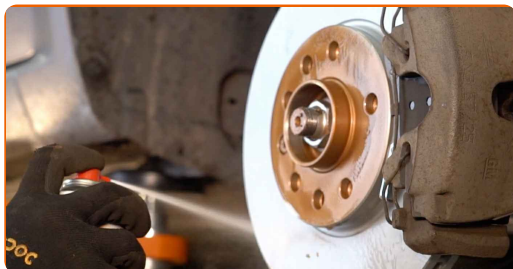
**52**

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 Box (L70). After applying the spray, wait a few minutes.

54

Install the wheel.

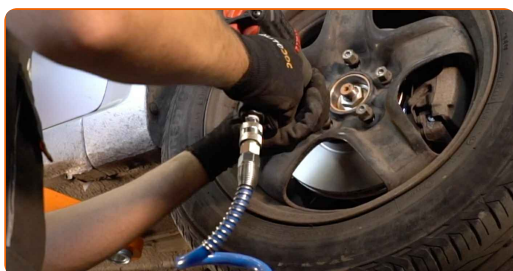


Replacement: wheel bearing – OPEL ASTRA H Box (L70). AUTODOC recommends:

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

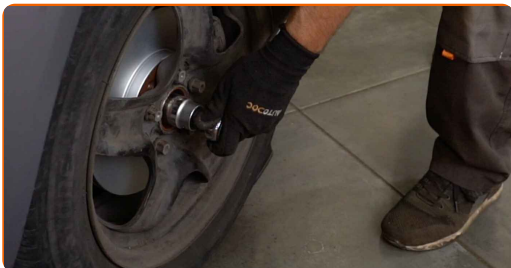
55

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

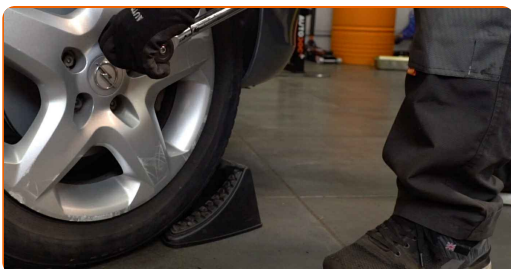


56 Lower the car.

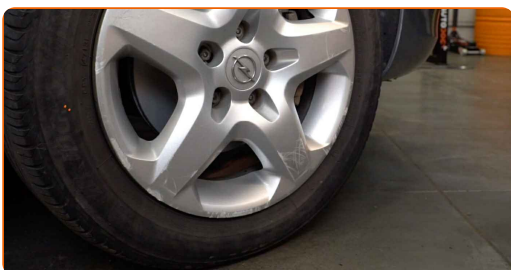
57 Tighten the drive shaft nut. Use a drive socket #32. Use a torque wrench. Tighten it to 250 Nm torque.



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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