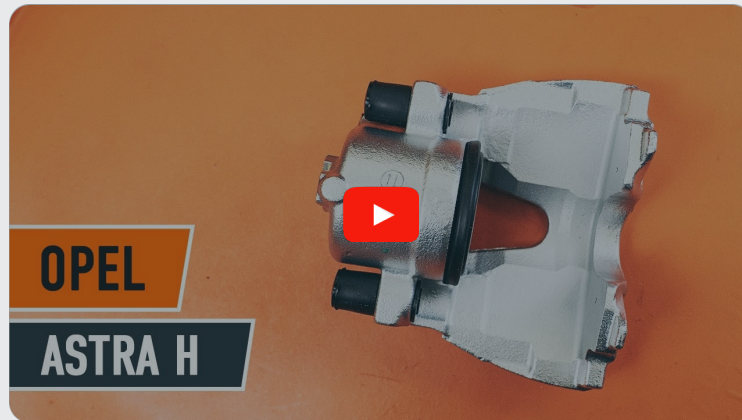




How to change front
brake caliper on **Opel**
Astra H saloon –
replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

OPEL VECTRA B Hatchback (38_) 1.6 i (X 16 SZR), OPEL VECTRA B Hatchback (38_) 1.6 i 16V (F68), OPEL VECTRA B Hatchback (38_) 1.8 i 16V (X18XE1, Z18XEL), OPEL VECTRA B Hatchback (38_) 2.0 i 16V (F68), OPEL VECTRA B Hatchback (38_) 2.5 i V6 (F68), OPEL VECTRA B Hatchback (38_) 1.7 TD (F68), OPEL VECTRA B (36_) 1.8 i 16V (X 16 SZR), OPEL VECTRA B (36_) 1.6 i 16V (F19), OPEL VECTRA B (36_) 1.8 i 16V (X18XE1, Z18XEL), OPEL VECTRA B (36_) 2.0 i 16V (F19), OPEL VECTRA B (36_) 2.5 i V6 (F19), OPEL Meriva A (X03) 1.4 16V Twinport LPG (E75), OPEL Astra H Caravan (A04) 1.6 LPG (L35), OPEL VECTRA B (36_) 2.0 DI 16V (F19), OPEL VECTRA B Hatchback (38_) 2.0 DI 16V (F68), (+ 221)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE CALIPER – OPEL ASTRA H SALOON. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #9
- Drive socket # 9
- Drive socket # 11
- HEX bit No.H7
- Wheel impact socket #17
- Ratchet wrench
- Brake hose clip
- Fluid container
- Brake bleeder kit
- Crow bar
- Wheel chock

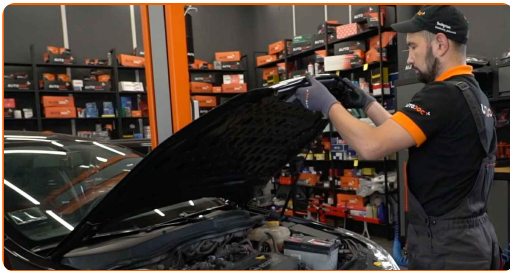
BUY TOOLS

Replacement: brake caliper – Opel Astra H saloon. AUTODOC experts recommend:

- The replacement procedure is identical for the left and right brake calipers 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 Open the bonnet. Unscrew the brake fluid reservoir cap.



2 Secure the wheels with chocks.

3 Loosen the wheel mounting bolts. Use wheel impact socket #17.



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



5 Unscrew the wheel bolts.



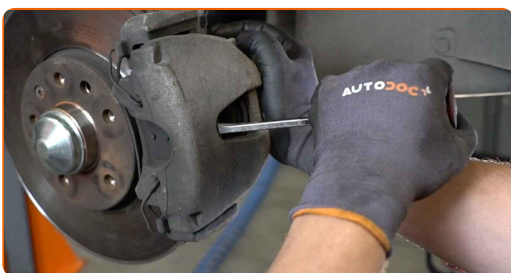
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
Opel Astra H saloon

6 Remove the wheel.



7 Spread the brake pads. Use a crowbar.



8 Clamp the brake hose off using a brake hose clamp.



- 9** Clean the area where the brake hose is connected to the caliper, and the guide pins area. Use a wire brush. Use a brake cleaner.



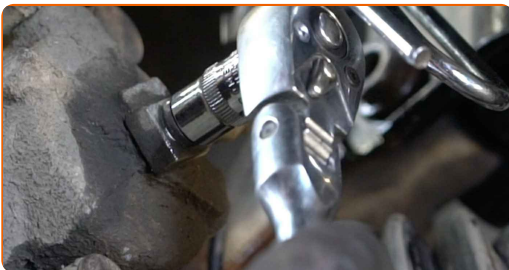
AUTODOC recommends:

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

- 10** Put a container for gathering brake fluid beneath.



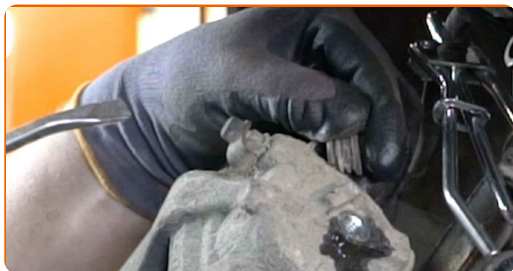
- 11** Unscrew the brake hose from the brake caliper. Use a drive socket #11. Use a ratchet wrench.



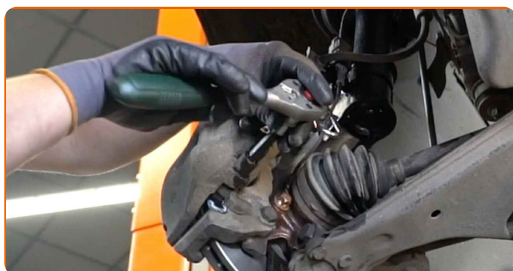
Replacement: brake caliper – Opel Astra H saloon. Professionals recommend:

- Be careful! Brake fluid may leak from the brake hose.

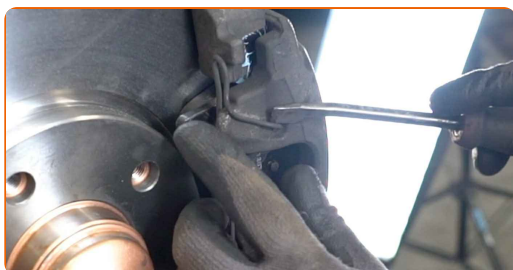
12 Remove the dust boot caps of the brake caliper guide pins. Use a crowbar.



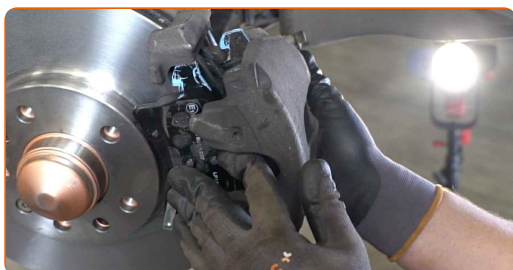
13 Unscrew the brake caliper fastening. Use HEX No.H7. Use a ratchet wrench.



14 Detach the brake caliper retaining spring. Use a crowbar.



15 Remove the brake caliper.



Replacement: brake caliper – Opel Astra H saloon. AUTODOC recommends:

- When replacing the brake caliper, it is recommended to check the brake hose for damages and, if necessary, to replace it with a new one.
- When replacing a brake caliper it is recommended to replace brake pads, check the state of the brake discs and replace them with new ones if necessary.
- If no new guide pins were supplied in a kit with the new brake calipers, use the old pins.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

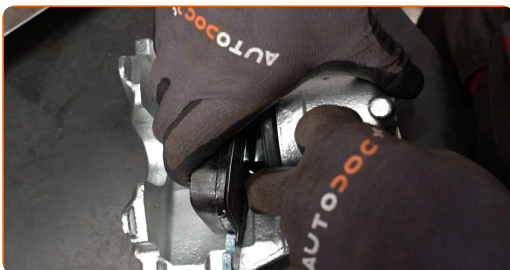
16

Remove the brake pads.



17

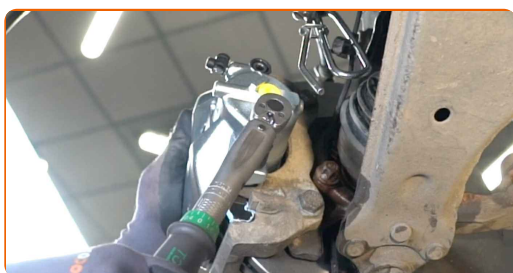
Install the brake pads.



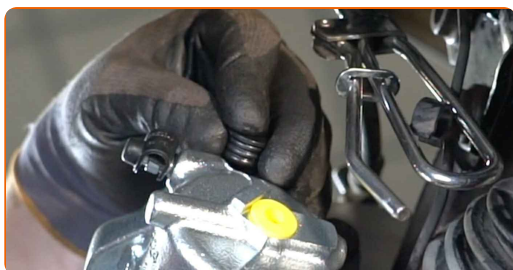
18 Install the brake caliper and fix it. Use HEX No.H7. Use a ratchet wrench.



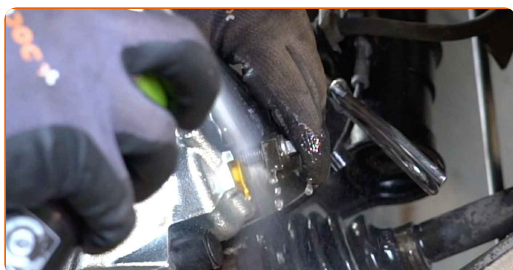
19 Tighten the brake caliper fasteners. Use HEX No.H7. Use a torque wrench. Tighten it to 28 Nm torque.



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



21 Treat the brake hose. Use a brake cleaner.



AUTODOC recommends:

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

22

Install and fix the brake hose into a new caliper. Use a drive socket #11. Use a ratchet wrench.



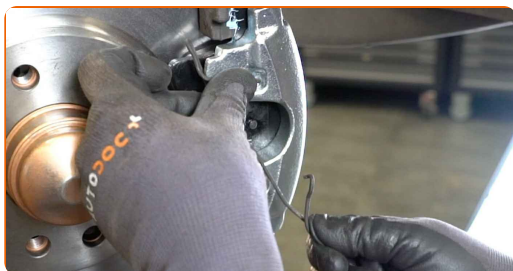
23

Tighten the fastener connecting the brake pipe to the brake caliper. Use a drive socket #11. Use a torque wrench. Tighten it to 30 Nm torque.



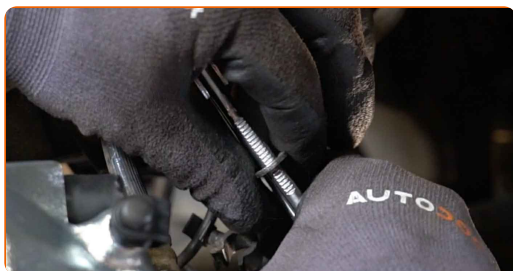
24

Install the brake pad retaining clip. Use a crowbar.



25

Remove the brake hose clamp.



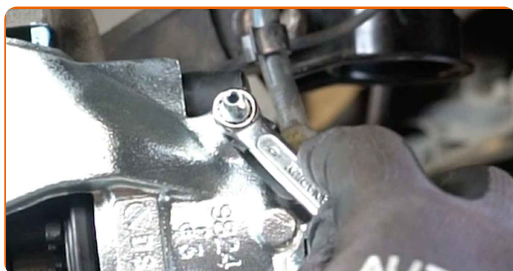
26 Clean dirt from the brake hose bolt. Use a brake cleaner.



Replacement: brake caliper – Opel Astra H saloon. Tip from AUTODOC:

- After applying the spray, wait a few minutes.

27 Undo the brake bleeder screw. Use a combination spanner #9.



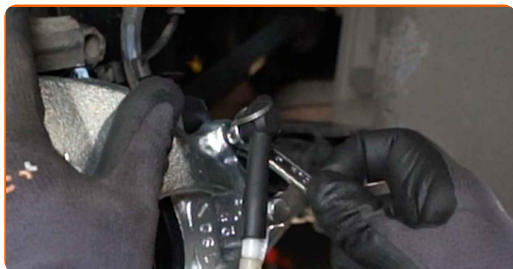
28 Connect the brake bleeder kit to the brake bleeder screw.



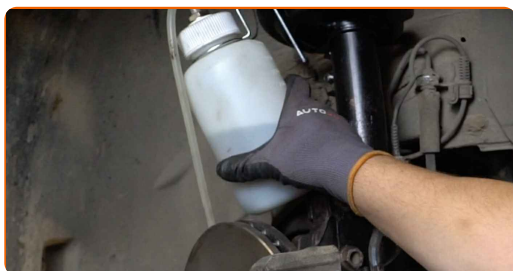
29 Bleed the brake caliper system. Without starting the engine, press the brake pedal several times until you feel significant resistance.



30 Tighten the brake bleeder screw. Use a combination spanner #9.



31 Disconnect the brake bleeder kit.



32 Tighten the brake caliper bleed screw. Use a combination spanner #9. Use a torque wrench. Tighten it to 5 Nm torque.



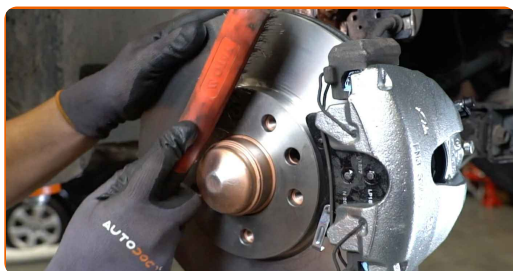
33 Clean dirt from the brake hose bolt. Use a brake cleaner.



AUTODOC recommends:

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

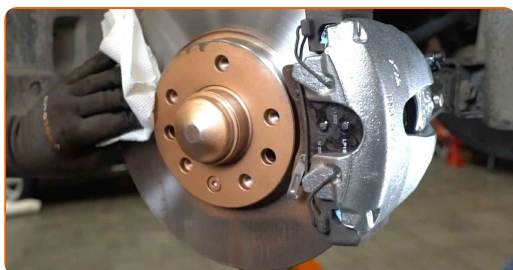
34 Clean the wheel rim mounting seat. Use a wire brush.



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



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



Replacement: brake caliper – Opel Astra H saloon. Tip:

- After applying the spray, wait a few minutes.

37 Install the wheel.

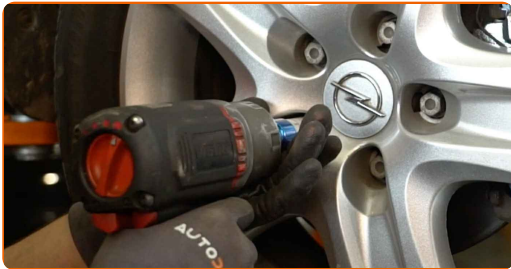


AUTODOC recommends:

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

38

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



39

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.



40

Remove the jacks and chocks.

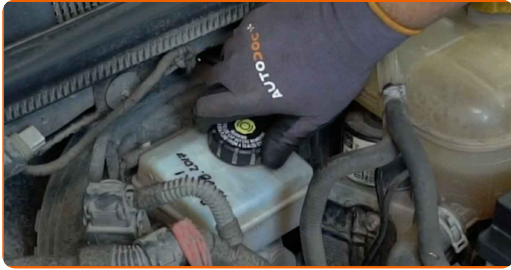


Replacement: brake caliper – Opel Astra H saloon. Tip from AUTODOC experts:

- Check the brake fluid level in the expansion tank and refill if necessary.

41

Tighten the brake fluid reservoir cap. Close the hood.



WELL DONE! 

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