



How to change front  
brake caliper on  
**VAUXHALL Meriva Mk I  
(A) (X03)** – replacement  
guide

## SIMILAR VIDEO TUTORIAL



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

### Important!

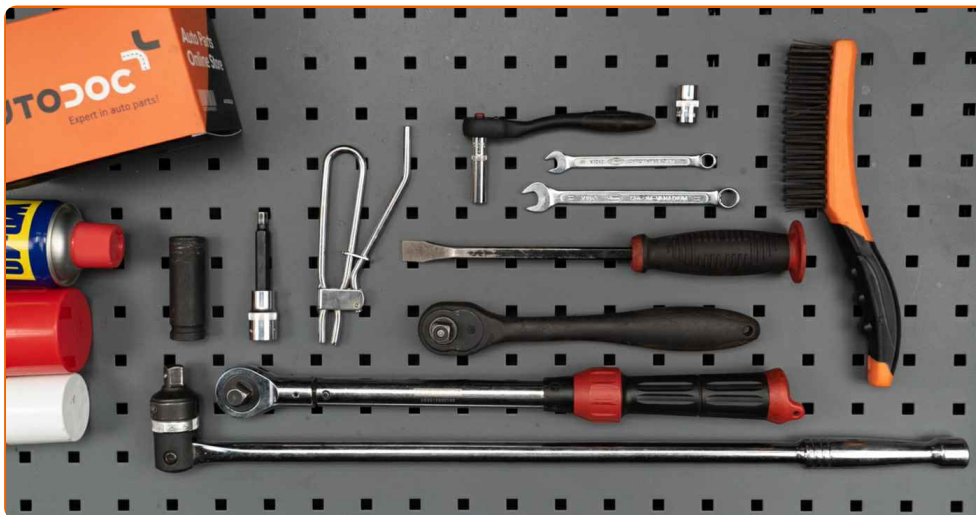
This replacement procedure can be used for:

VAUXHALL Meriva Mk I (A) (X03) 1.7 DTI, VAUXHALL Meriva Mk I (A) (X03) 1.6 i 16V, VAUXHALL Meriva Mk I (A) (X03) 1.8 i 16V, VAUXHALL Meriva Mk I (A) (X03) 1.7 CDTI, VAUXHALL Meriva Mk I (A) (X03) 1.3 CDTI, VAUXHALL Meriva Mk I (A) (X03) 1.6 Turbo, VAUXHALL Meriva Mk I (A) (X03) 1.4 16V Twinport, VAUXHALL Meriva Mk I (A) (X03) 1.6 i 16V Twinport

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: BRAKE CALIPER – VAUXHALL MERIVA  
MK I (A) (X03). TOOLS YOU NEED:**



- Wire brush
- Brake cleaner
- Copper grease
- Combination spanner #8
- Combination spanner #11
- Drive socket # 8
- Drive socket # 11
- HEX bit no.H7.
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Fluid container
- Brake bleeder kit
- Brake hose clip
- Crow bar
- Wheel chock

**Buy tools**

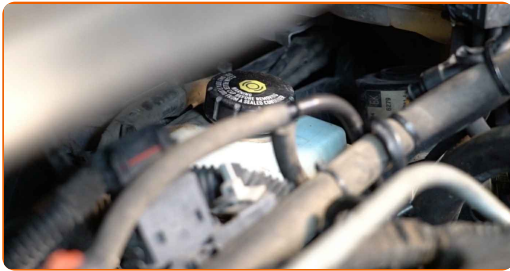
Replacement: brake caliper – VAUXHALL Meriva Mk I (A) (X03). Tip from AUTODOC experts:

- The replacement procedure is identical for the left and right brake calipers on the same axle.
- All work should be done with the engine stopped.

## REPLACEMENT: BRAKE CALIPER – VAUXHALL MERIVA MK I (A) (X03). RECOMMENDED SEQUENCE OF STEPS:

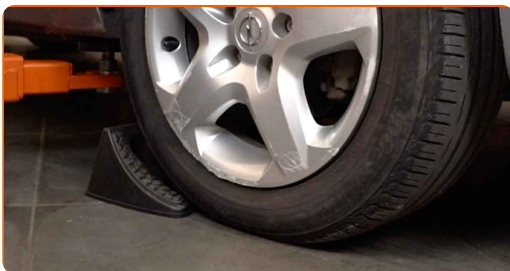
1

Open the bonnet. Unscrew the brake fluid reservoir cap.



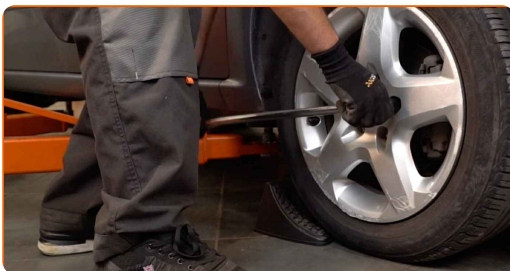
2

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.

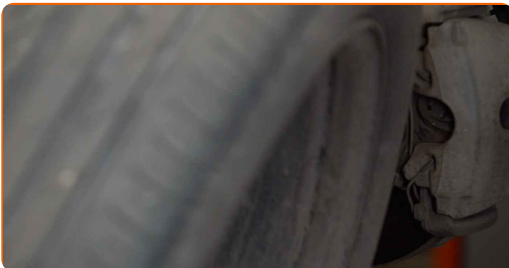
**5** Unscrew the wheel bolts.



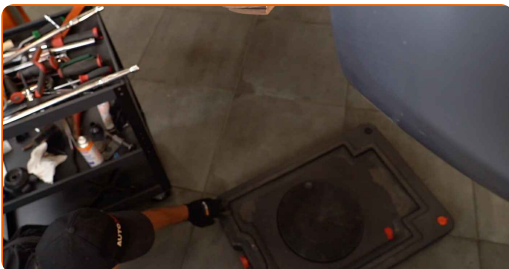
**AUTODOC recommends:**

- Important! Hold the wheel while unscrewing the fastening bolts. VAUXHALL Meriva Mk I (A) (X03)

**6** Remove the wheel.



**7** Put a container for gathering brake fluid beneath.



- 8 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.



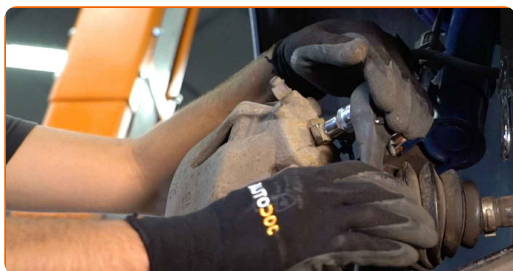
Replacement: brake caliper – VAUXHALL Meriva Mk I (A) (X03). AUTODOC recommends:

- After applying the spray, wait a few minutes.

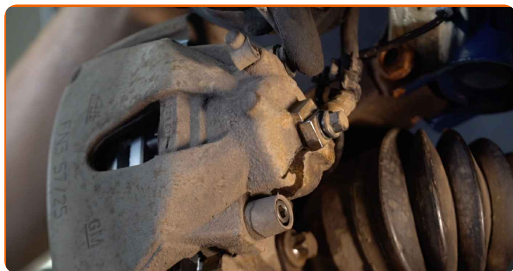
- 9 Clamp the brake hose off using a brake hose clamp.



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



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



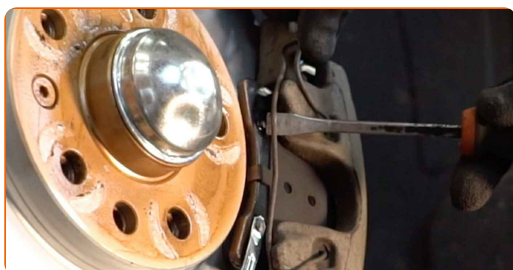
**12** Unscrew the brake caliper fastening. Use HEX No.H7. Use a ratchet wrench.



**13** Spread the brake pads. Use a crowbar.



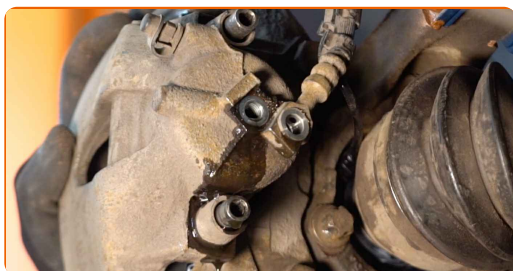
**14** Pull aside the brake caliper retaining spring. Use a crowbar.



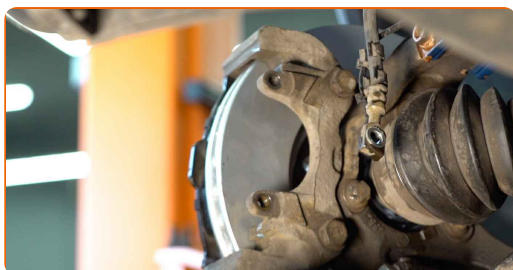
**15** Unscrew the brake hose from the brake caliper. Use a drive socket #11.



**16** Disconnect the brake hose.



**17** Remove the brake caliper.

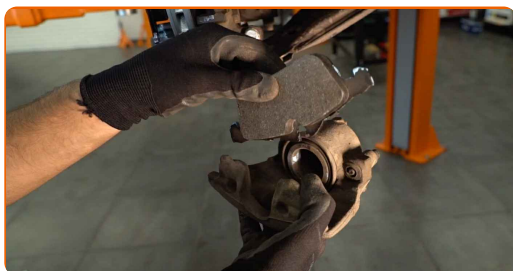


Replacement: brake caliper – VAUXHALL Meriva Mk I (A) (X03). AUTODOC experts recommend:

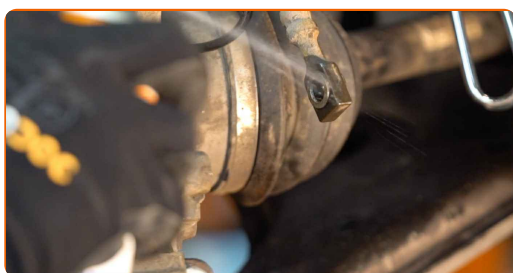
- When replacing the brake caliper, it is recommended to check the brake hose for damages and, if necessary, to replace it with a new one.
- When replacing a brake caliper it is recommended to replace brake pads, check the state of the brake discs and replace them with new ones if necessary.



**18** Remove the brake pads.



**19** Treat the brake hose. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: brake caliper – VAUXHALL Meriva Mk I (A) (X03). After applying the spray, wait a few minutes.

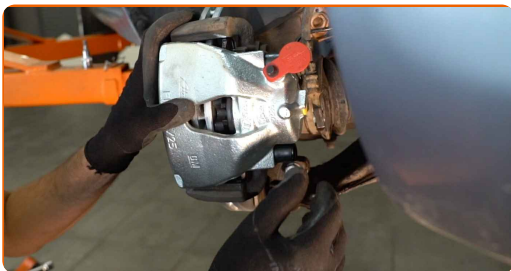
**20** Install the brake pads.



**Replacement: brake caliper – VAUXHALL Meriva Mk I (A) (X03). Professionals recommend:**

- If going to use the old brake pads, clean them.

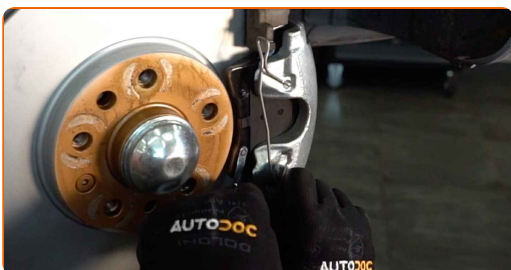
**21** Install the brake caliper and fix it. Use HEX No.H7. Use a ratchet wrench.



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



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



**24** Tighten the brake hose fastener. Use a combination spanner #11. Use a torque wrench. Tighten it to 40 Nm torque.



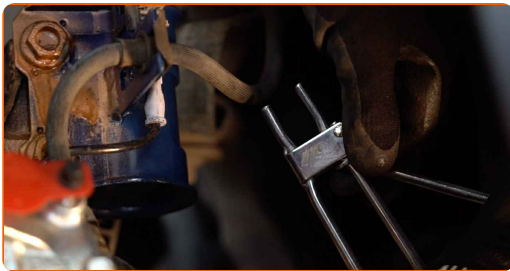
**25** Treat the brake hose. Use a brake cleaner.

Replacement: brake caliper – VAUXHALL Meriva Mk I (A) (X03). Tip from AUTODOC:

- After applying the spray, wait a few minutes.

26

Remove the brake hose clamp.



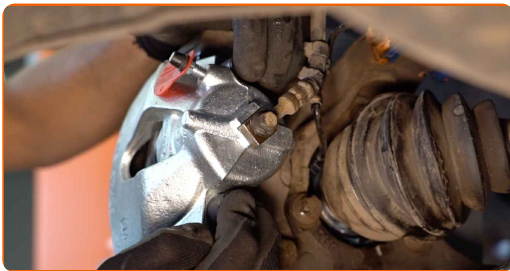
27

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



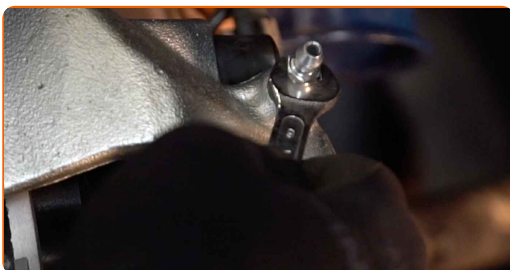
28

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

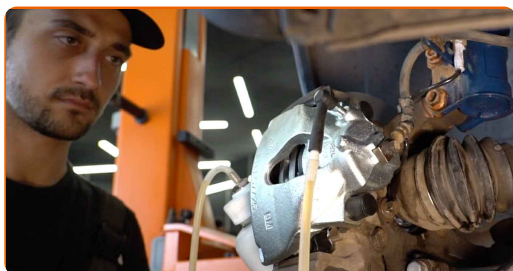


29

Undo the brake bleeder screw. Use a combination spanner #8.



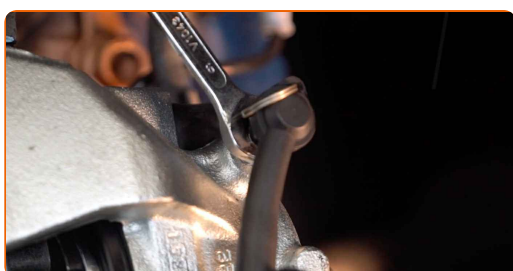
**30** Connect the brake bleeder kit to the brake bleeder screw.



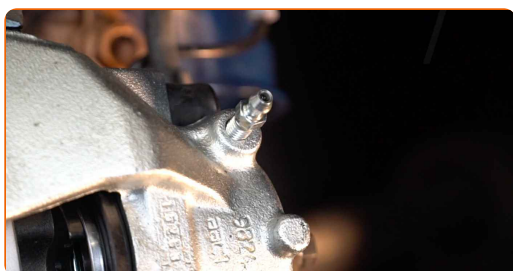
**31** Bleed the brake caliper system. Without starting the engine, press the brake pedal several times until you feel significant resistance.



**32** Tighten the brake bleeder screw. Use a combination spanner #8.



**33** Disconnect the brake bleeder kit.



**34** Tighten the brake caliper bleed screw. Use a drive socket #8. Use a torque wrench. Tighten it to 11 Nm torque.



**35**

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



**AUTODOC recommends:**

- Replacement: brake caliper – VAUXHALL Meriva Mk I (A) (X03). After applying the spray, wait a few minutes.

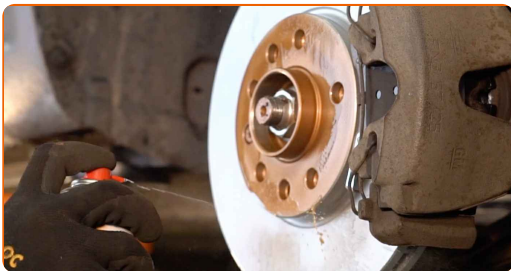
**36**

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



**37**

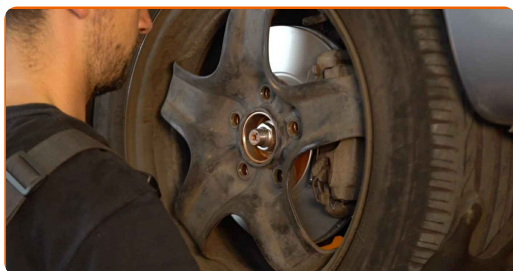
Clean the brake disk surface. Use a brake cleaner.



**Replacement: brake caliper – VAUXHALL Meriva Mk I (A) (X03). Tip:**

- After applying the spray, wait a few minutes.

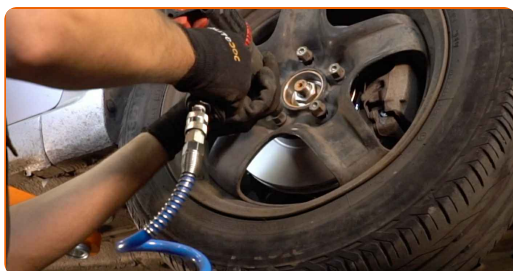
**38** Install the wheel.



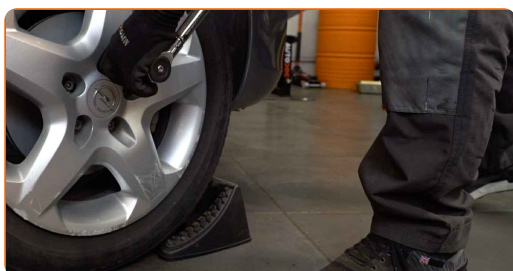
Replacement: brake caliper – VAUXHALL Meriva Mk I (A) (X03). AUTODOC recommends:

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

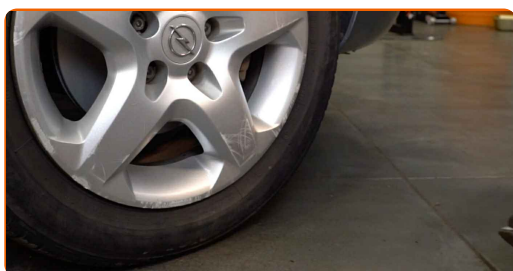
**39** Screw in the wheel bolts. Use wheel impact socket #17.



**40** Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 110 Nm torque.



**41** Remove the jacks and chocks.



## AUTODOC recommends:

- Important! Replacement: brake caliper – VAUXHALL Meriva Mk I (A) (X03). Check the brake fluid level in the reservoir and top up if necessary.

42

Tighten the brake fluid reservoir cap. Close the hood.

**WELL DONE!** 

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