



How to change rear  
brake shoes on  
**VAUXHALL Nova Saloon**  
**(S83)** – replacement  
guide

## SIMILAR VIDEO TUTORIAL



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

### Important!

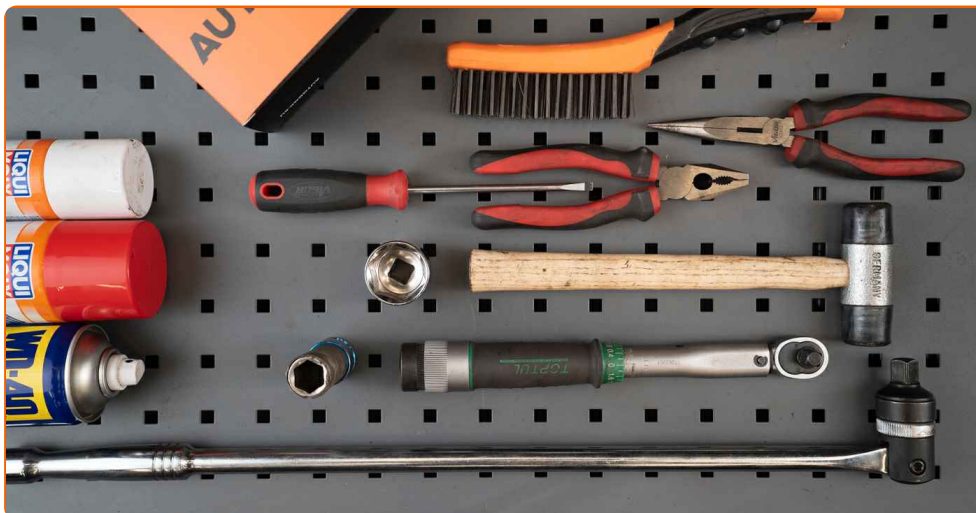
This replacement procedure can be used for:

VAUXHALL Nova Saloon (S83) 1.4, VAUXHALL Nova Saloon (S83) 1.2

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 Corsa C Hatchback (X01) 1.2 (F08, F68)

**REPLACEMENT: BRAKE SHOES – VAUXHALL NOVA SALOON (S83). TOOLS YOU MIGHT NEED:**



- Wire brush
- All-purpose cleaning spray
- Copper grease
- Drive socket # 27
- Wheel impact socket #17
- Torque wrench
- Tap wrench
- Hammer
- Round-nose pliers
- Pliers
- Flat screwdriver
- Wheel chock

**Buy tools**

Replacement: brake shoes – VAUXHALL Nova Saloon (S83). AUTODOC experts recommend:

- Perform the replacement of brake pads in complete set for each axis. This provides effective braking.
- The replacement procedure is identical for all brake pads on the same axle.
- Please note: all work on the car – VAUXHALL Nova Saloon (S83) – 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 rear of the car and secure on supports.
- 5 Unscrew the wheel bolts.

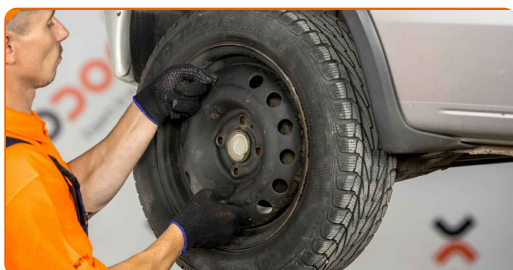


**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
VAUXHALL Nova Saloon (S83)

**6**

Remove the wheel.



**7**

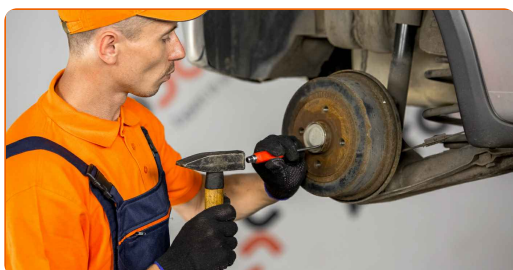
Fully lower the parking brake lever.

**8**

Clean the brake drum. Use a wire brush. Use all-purpose cleaning spray.

**9**

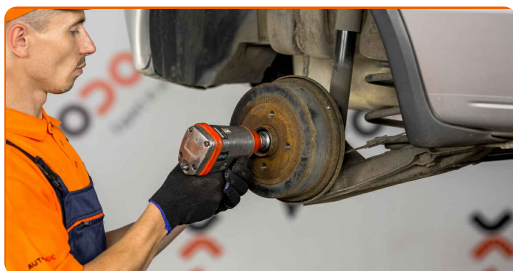
Remove the hub bearing protection cap. Use a flat screwdriver. Use a hammer.



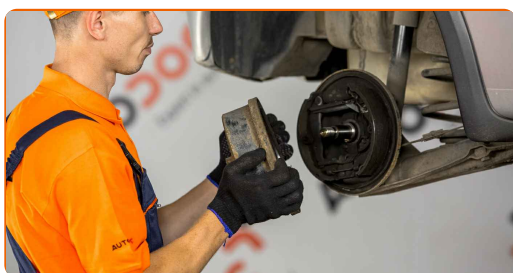
**Replacement: brake shoes – VAUXHALL Nova Saloon (S83). Tip:**

- Some cars are not equipped with wheel hub caps.

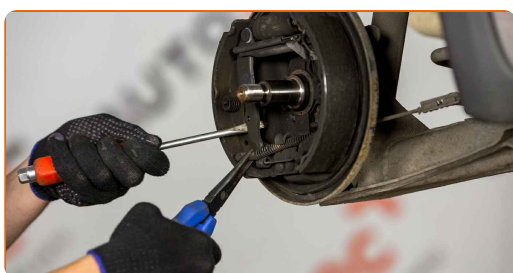
**10** Unscrew the wheel hub axle nut. Use a drive socket #27. Use a tap wrench.



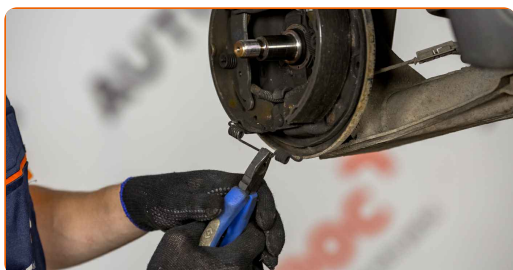
**11** Remove the brake drum assembled with the wheel hub bearing.



**12** Disconnect the parking brake cable from the parking brake lever. Use round-nose pliers. Use a flat screwdriver.

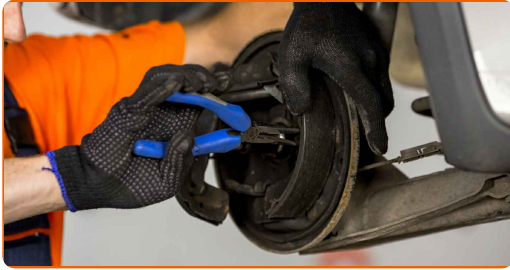


**13** Take out brake pad retainer springs from the holes. Use pliers.



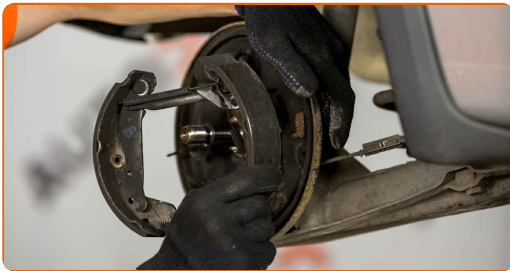
**14**

Remove the brake pads retaining clips. Use pliers. Use round-nose pliers.



**15**

Remove the brake pads.

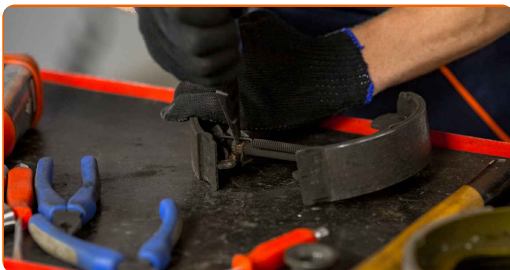


**Replacement: brake shoes – VAUXHALL Nova Saloon (S83). AUTODOC experts recommend:**

- Don't press the brake pedal after removing the rear brake drum shoes. This will cause the piston to fall out of the brake cylinder, leakage of brake fluid and depressurization of the system.
- Examine the brake drum. Replace it if necessary.

**16**

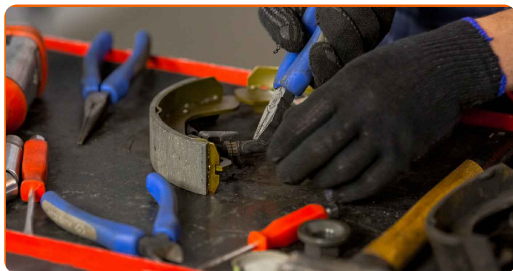
Remove the brake shoe adjuster. Use round-nose pliers.



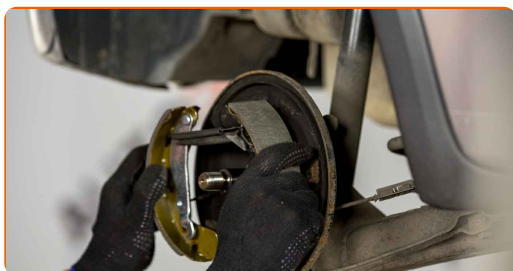


**17**

Insert the brake shoes adjusting mechanism. Use round-nose pliers.

**18**

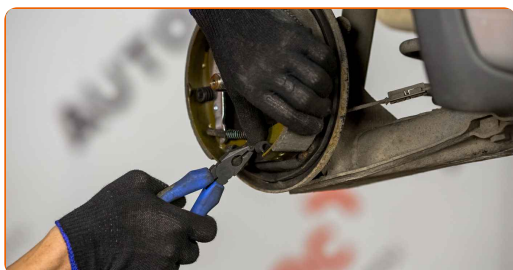
Install new brake pads.

**19**

Install the brake pads retaining clips. Use round-nose pliers.

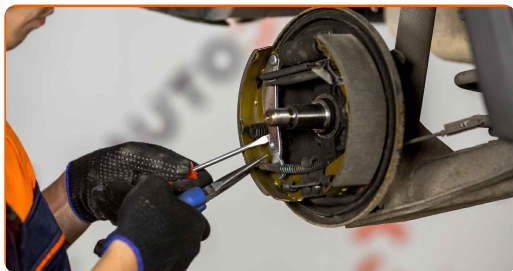
**20**

Insert retaining springs into pin slots. Use round-nose pliers. Use a flat screwdriver.

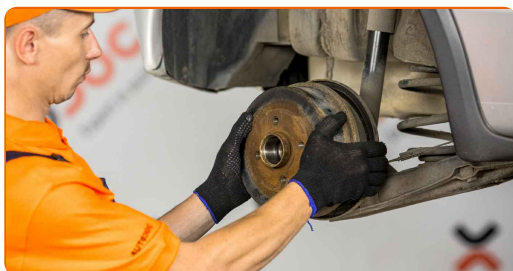




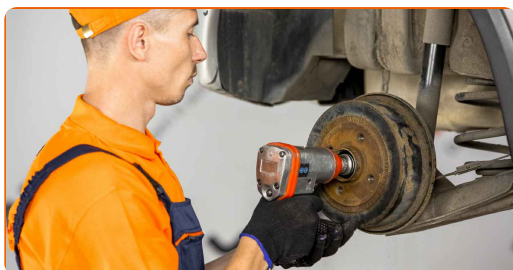
**21** Connect the parking brake cable to the parking brake lever. Use round-nose pliers. Use a flat screwdriver.



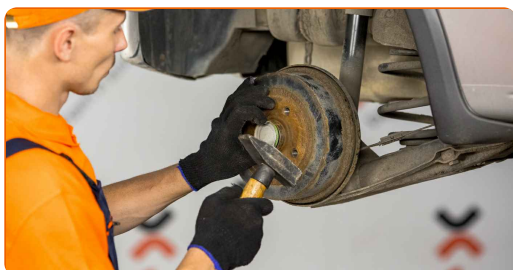
**22** Install the brake drum assembled with the wheel hub bearing.



**23** Tighten the hub. Use a drive socket #27. Use a torque wrench. Tighten it to 175 nm torque.



**24** Install the hub bearing protection cap. Use a hammer. Use a flat screwdriver.



**25** Clean the wheel rim mounting seat. Use a wire brush.

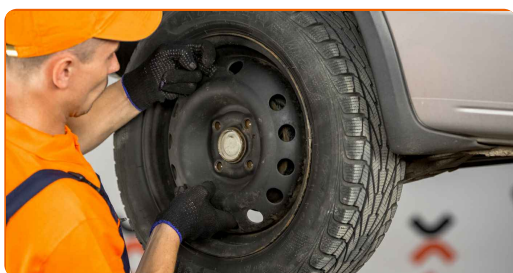
26

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



27

Install the wheel.

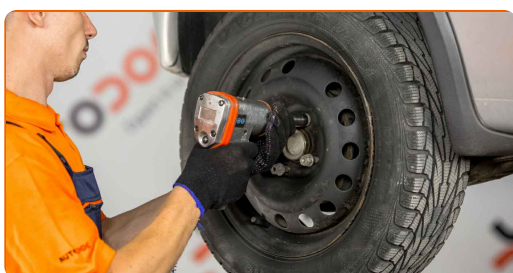


**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. VAUXHALL Nova Saloon (S83)

28

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



29

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

30

Remove the jacks and chocks.

Replacement: brake shoes – VAUXHALL Nova Saloon (S83). Professionals recommend:

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

31

Tighten the brake fluid reservoir cap. Close the hood.

Replacement: brake shoes – VAUXHALL Nova Saloon (S83). Tip from AUTODOC:

- Slow down smoothly for first 150-200 km after the brake pads replacement. Avoid unnecessary and sharp braking to a stop.

**WELL DONE!** 

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**BRAKE SHOES: A WIDE SELECTION**

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