

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:

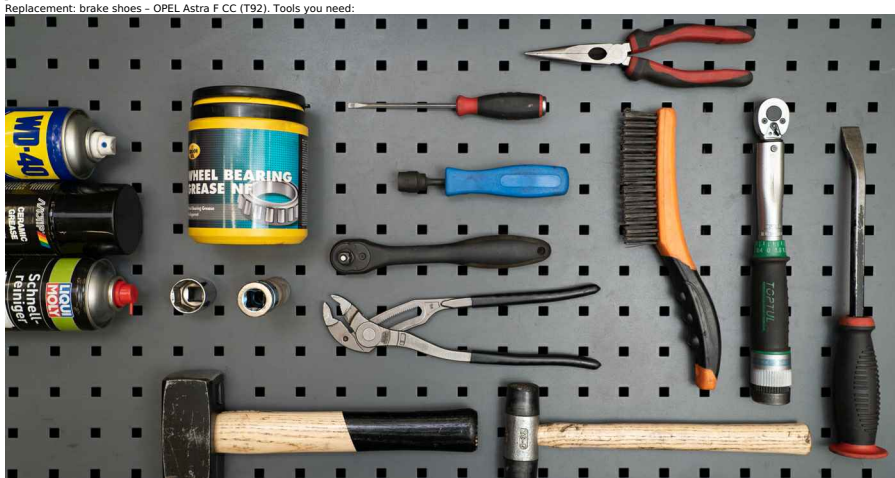
OPEL Astra F CC (T92) 1.7 D (F08, M08, F68, M68), OPEL Astra F CC (T92) 1.4 i (F08, M08, F68, M68), OPEL Astra F CC (T92) 1.4 Si (F08, M08, F68, M68), OPEL Astra F CC (T92) 1.6 i (F08, M08, F68, M68), OPEL Astra F CC (T92) 1.4 i 16V (F08, M08, F68, M68), OPEL Astra F CC (T92) 1.4 (F08, M08, F68, M68), OPEL Astra F CC (T92) 1.6 (F08, M08, F68, M68)

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 B Hatchback (S93) 1.4 i (F08, F68, M68)

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1-18
Replacement: brake shoes - OPEL Astra F CC (T92). Tools you need:



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Bearing grease
- Ceramic grease
- Torque wrench
- Drive socket # 24
- Wheel impact socket #17
- Brake shoe retaining spring compressor

- Flat screwdriver
- Ratchet wrench
- Long nose pliers
- Water pump pliers
- Hammer
- Rubber mallet
- Crow bar
- Wheel chock

[Buy tools](http://club.autodoc.co.uk)

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2-18
Replacement: brake shoes - OPEL Astra F CC (T92). AUTODOC experts recommend:

- Replace brake shoes as a set on an axle. This will ensure efficient braking.
- The replacement procedure is identical for brake shoes on the same axle.
- Please note: all work on the car - OPEL Astra F CC (T92) - 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 car.

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3-18
Replacement: brake shoes - OPEL Astra F CC (T92). Tip:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

4. Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. OPEL Astra F CC (T92)

5

Remove the wheel.



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4-18

6

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



7

Remove the cotter pin securing the hub nut. Use a crowbar. Use a flat screwdriver.



8

Unscrew the hub nut. Use a drive socket #24. Use a ratchet wrench.

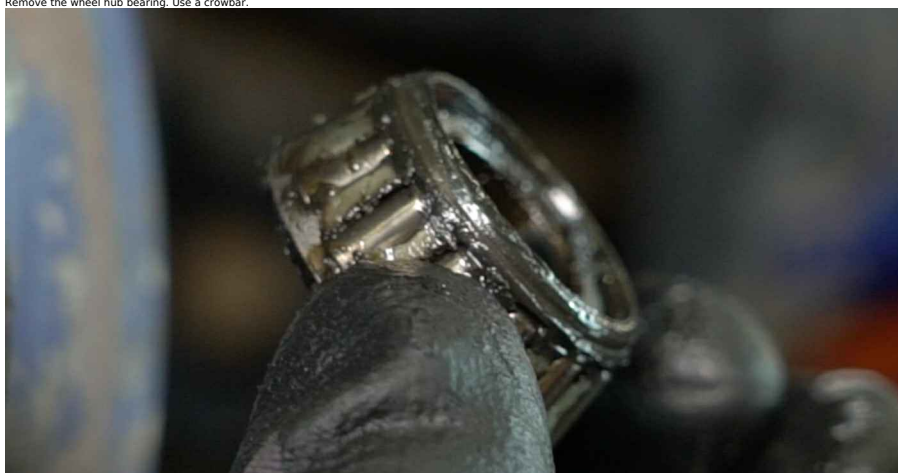


9
Remove the wheel bearing washer. Use a crowbar.



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5-18

10
Remove the wheel hub bearing. Use a crowbar.



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



Replacement: brake shoes - OPEL Astra F CC (T92). Tip from AUTODOC experts:

- Examine the brake drum. Replace it if necessary.

12
Clean the fasteners of the brake shoes. Use all-purpose cleaning spray.

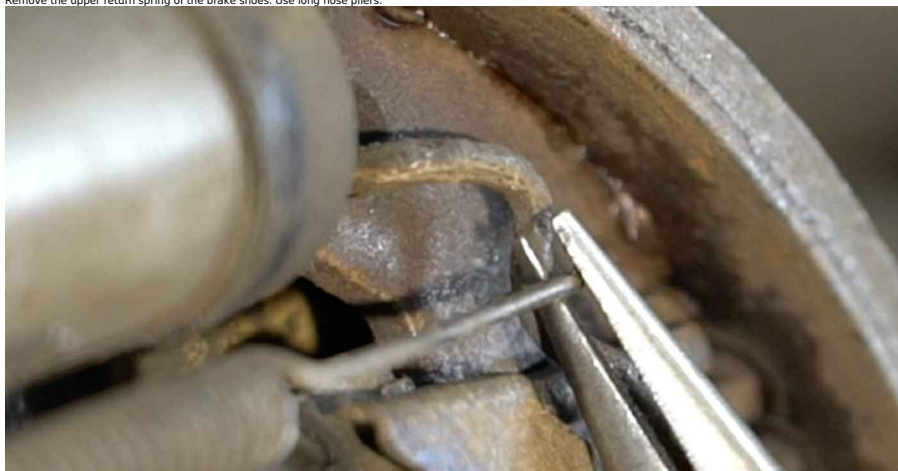


13
Loosen the brake shoe adjuster. Use a crowbar.

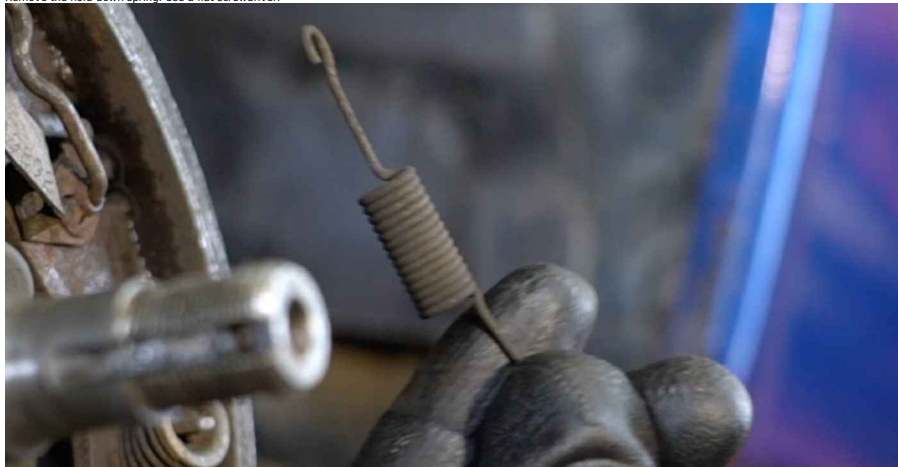


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14
Remove the upper return spring of the brake shoes. Use long nose pliers.



15
Remove the hold-down spring. Use a flat screwdriver.



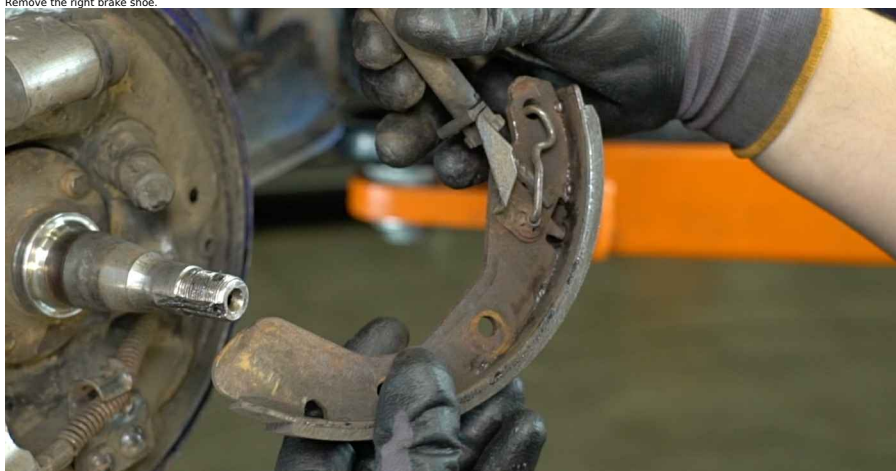
16
Remove the retainers of the drum brake shoes. Use a brake shoe retaining spring compressor.



17
Detach the brake shoe from the lower spring.

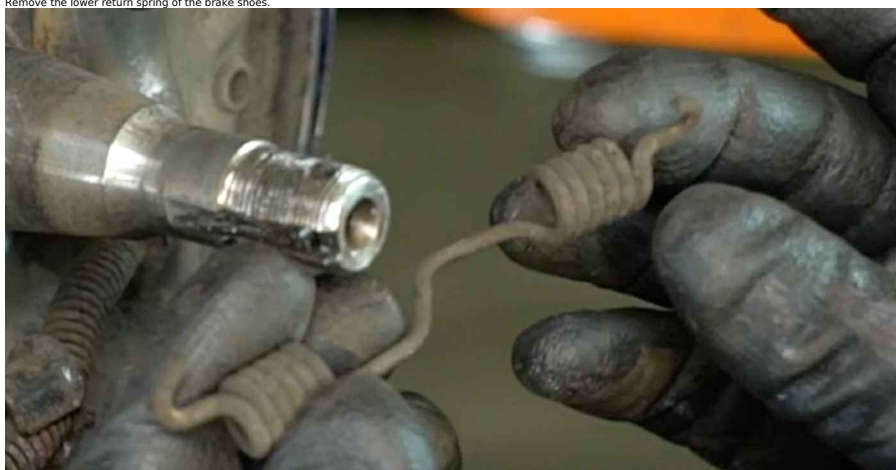


18
Remove the right brake shoe.



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7-18

19
Remove the lower return spring of the brake shoes.



20
Disconnect the parking brake cable.



21
Remove the left brake shoe.



Replacement: brake shoes – OPEL Astra F CC (T92). Tip from AUTODOC:

- 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.

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22
Clean the mounting seats of the brake shoes. Use all-purpose cleaning spray.



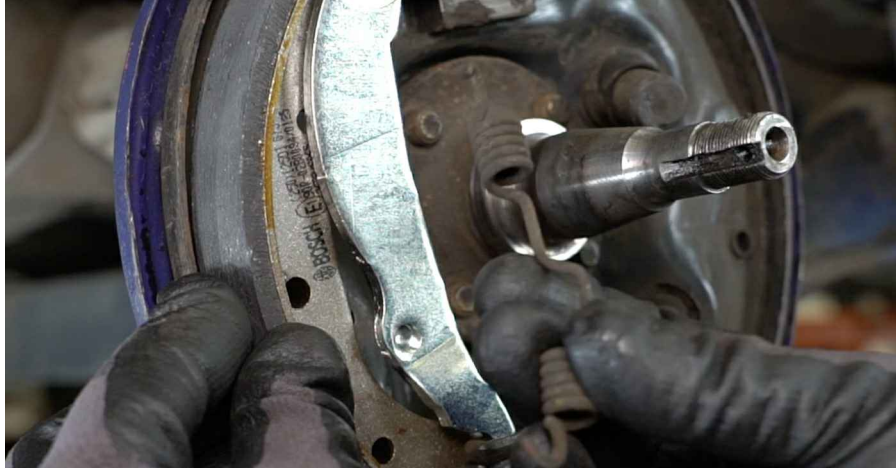
Replacement: brake shoes – OPEL Astra F CC (T92). Tip from AUTODOC experts:

- Make sure to follow the assembly steps in the right order.

23
Connect the parking brake cable to the parking brake lever.



24
Install a new left brake shoe.

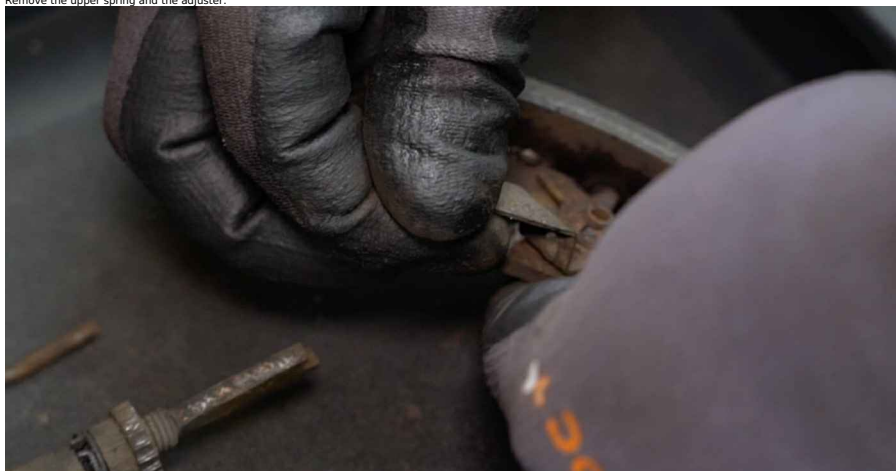


25
Install the lower return spring.

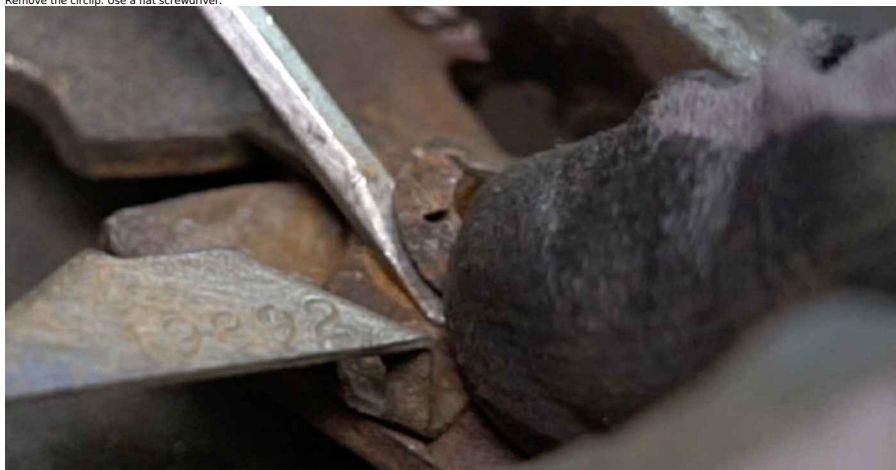


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9-18

26
Remove the upper spring and the adjuster.



27
Remove the circlip. Use a flat screwdriver.



28
Remove the brake shoe adjuster lever.



29
Clean the mounting seat of the bushing. Use a wire brush. Use WD-40 spray.

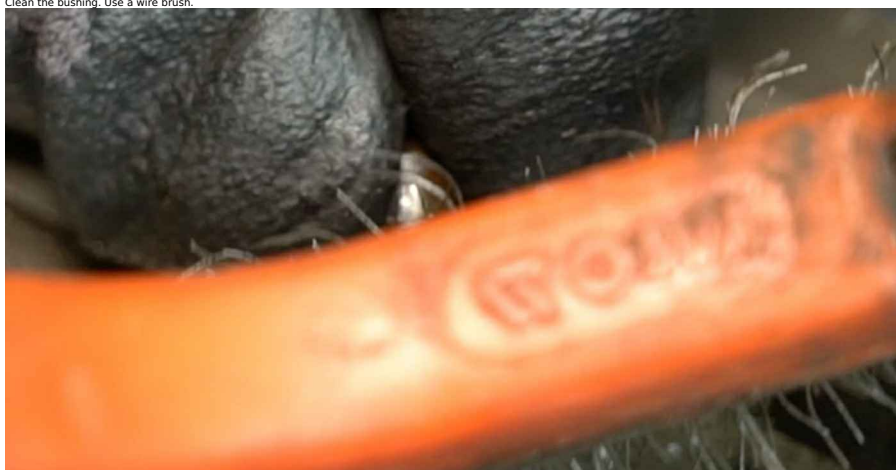


30
Remove the bushing. Use water pump pliers.



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31
Clean the bushing. Use a wire brush.



32
Install the bushing on a new brake shoe. Use water pump pliers.



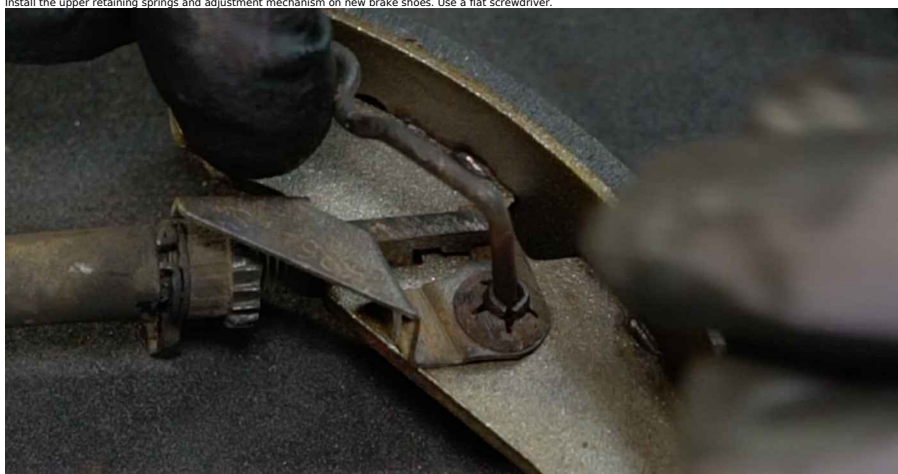
33
Install the brake shoe adjuster lever.



34
Install the circlip.



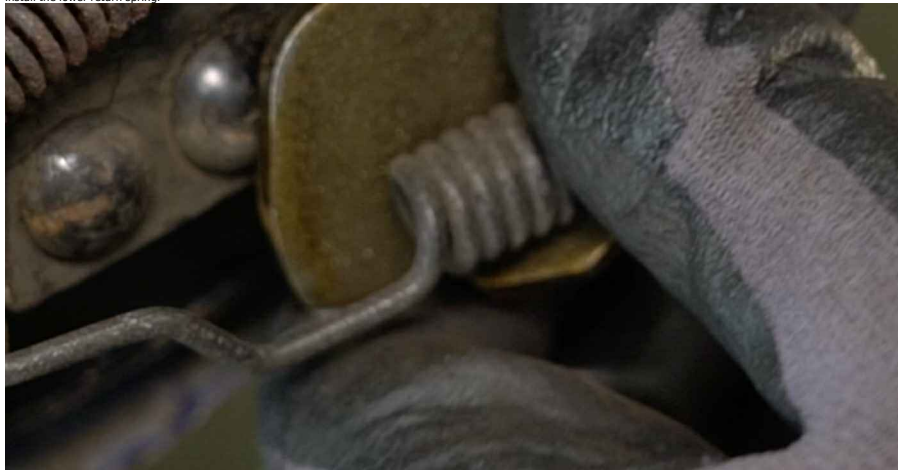
35
Install the upper retaining springs and adjustment mechanism on new brake shoes. Use a flat screwdriver.



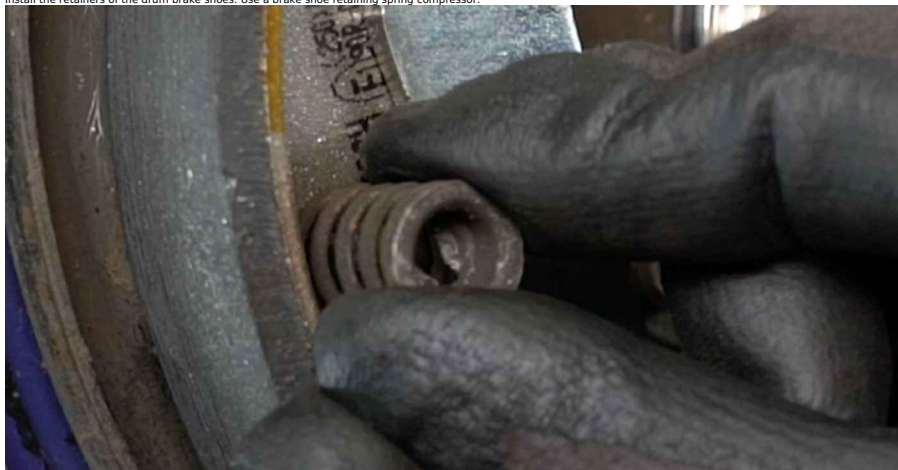
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11-18
36
Install a new right brake shoe.



37
Install the lower return spring.



38
Install the retainers of the drum brake shoes. Use a brake shoe retaining spring compressor.



39
Install the hold-down spring.

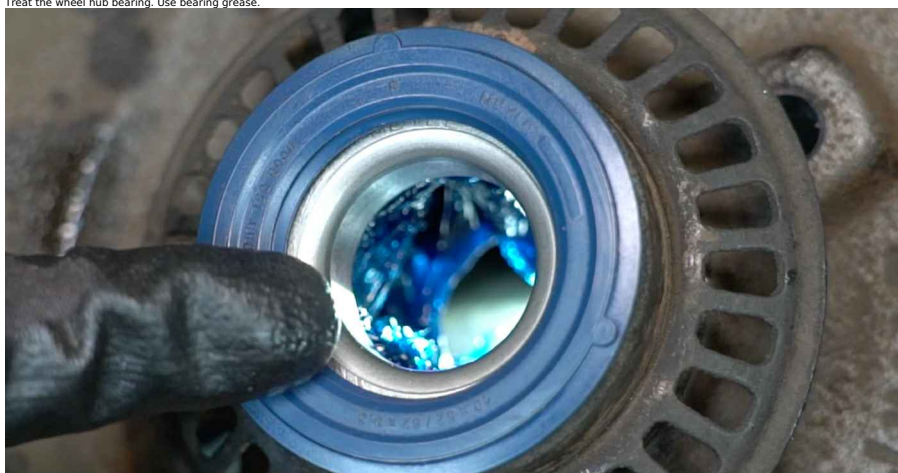


40
Install the upper return spring. Use long nose pliers.



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12-18

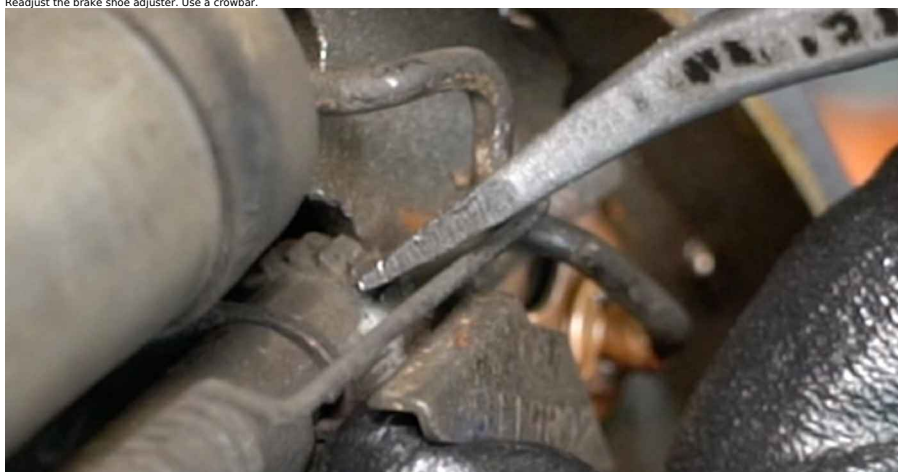
41
Treat the wheel hub bearing. Use bearing grease.



42
Treat the stub axle. Use all-purpose cleaning spray. Use bearing grease.



43
Readjust the brake shoe adjuster. Use a crowbar.



44
Install the brake drum assembled with the wheel hub bearing.



45
Fit the wheel bearing washer.



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46
Screw on the hub nut. Use a drive socket #24. Use a ratchet wrench.



47
Screw in the wheel bolts. Use wheel impact socket #17.



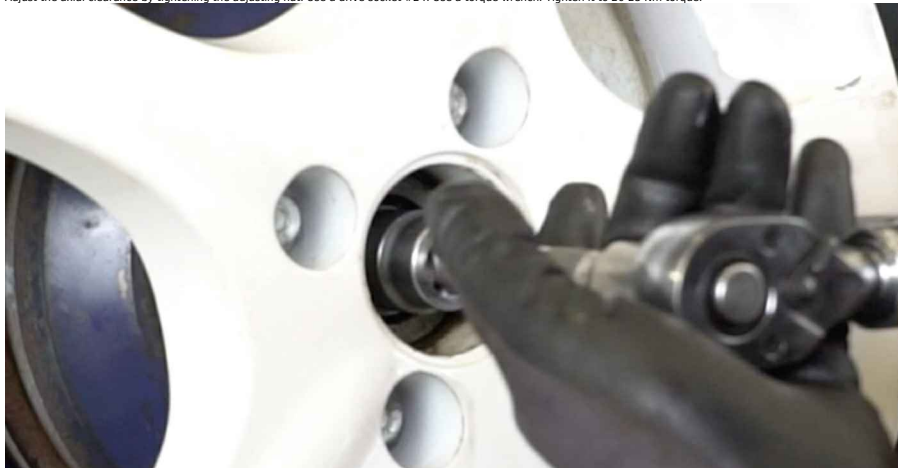
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. OPEL Astra F CC (T92)

48
Spin the wheel to distribute the new grease evenly on the wheel bearings.



49 Adjust the axial clearance by tightening the adjusting nut. Use a drive socket #24. Use a torque wrench. Tighten it to 20-25 Nm torque.



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Please note!

- See your car's repair manual for exact adjustment instructions.

50 Unscrew the wheel bolts.



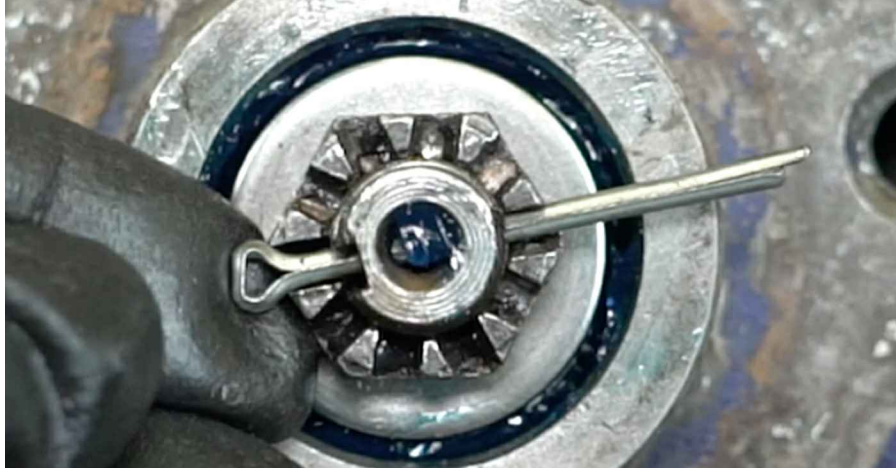
AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. OPEL Astra F CC (T92)

51 Remove the wheel.



52 Install a new hub nut cotter pin. Use a crowbar.



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15-18

53
Install the cap of the hub nut. Use a rubber mallet.



54
Treat the surface where the wheel rim contacts the brake drum. Use ceramic grease.



55
Install the wheel.



AUTODOC recommends:
• Important! Hold the wheel while screwing in the fastening bolts. OPEL Astra F CC (T92)

56
Screw in the wheel bolts. Use wheel impact socket #17.

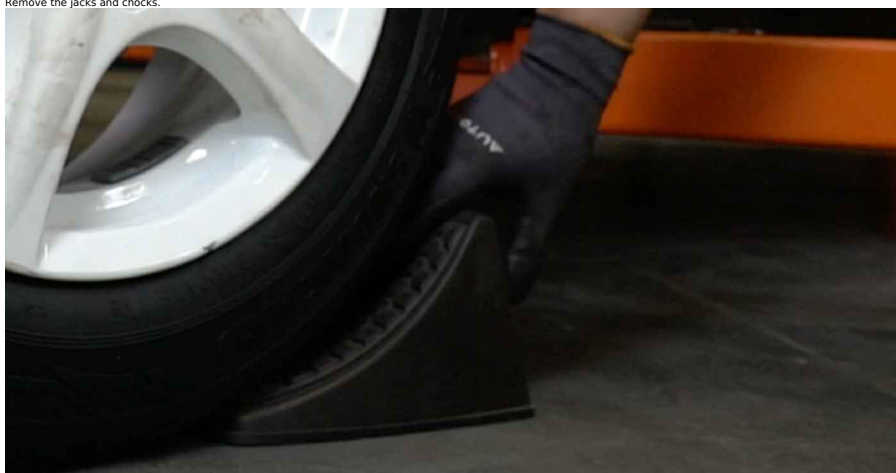


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57
Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 110 Nm torque.



58
Remove the jacks and chocks.

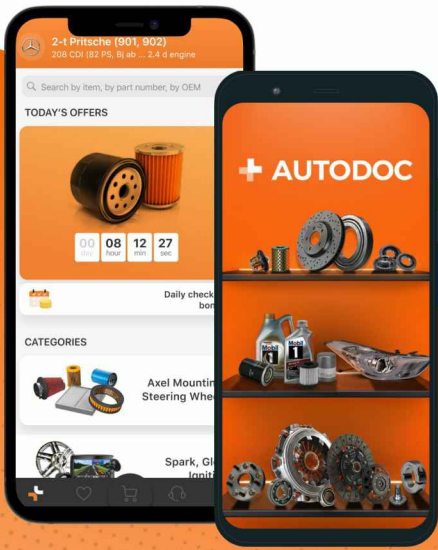


Replacement: brake shoes - OPEL Astra F CC (T92). Tip from AUTODOC:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.
- Check the brake fluid level in the expansion tank and refill if necessary.

Well done!
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