



How to change coolant  
flange on **AUDI A6 Avant**  
**(4B5, C5)** – 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:

AUDI A6 Avant (4B5, C5) 1.9 TDI

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: VW GOLF II (19E, 1G1) 1.6

REPLACEMENT: COOLANT FLANGE – AUDI A6 AVANT  
(4B5, C5). TOOLS YOU MIGHT NEED:



- Torque wrench
- Drive socket # 7
- Drive socket # 10
- Drive socket # 13
- Ratchet wrench
- Fluid container
- Funnel
- Fender cover

**Buy tools**

**Replacement: coolant flange – AUDI A6 Avant (4B5, C5). Tip from AUTODOC:**

- Follow the terms, recommendations and requirements of the part operation provided by the manufacturer.
- Check the coolant condition and replace it if necessary.
- Inspect the thermostat. Replace it if necessary.
- All work should be done with the engine stopped.

**REPLACEMENT: COOLANT FLANGE – AUDI A6 AVANT (4B5, C5).  
USE THE FOLLOWING PROCEDURE:**

**1** Open the hood.

**2** Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

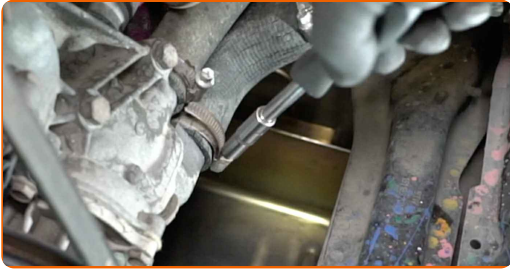
**3** Unscrew the coolant reservoir cap.



**4** Prepare a container for fluids.



**5** Loosen the coolant hose clamp. Use a drive socket #7. Use a ratchet wrench.



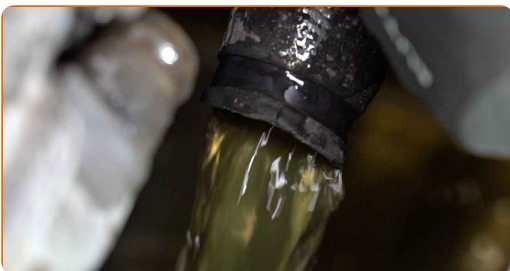
**6** Detach the coolant hose.



Replacement: coolant flange – AUDI A6 Avant (4B5, C5). Professionals recommend:

- Caution! Coolant may come out from the water pump channels and body.

**7** Drain the coolant from the engine.



Replacement: coolant flange – AUDI A6 Avant (4B5, C5). Tip from AUTODOC:

- Caution! The coolant can be very hot.
- Wear gloves to prevent contact with hot liquid.
- All work should be done with the engine stopped.
- Wait until the coolant has completely flowed out of the drain hole.

8

Unscrew the thermostat housing fasteners. Use a drive socket #13. Use a ratchet wrench.



9

Remove the thermostat housing.

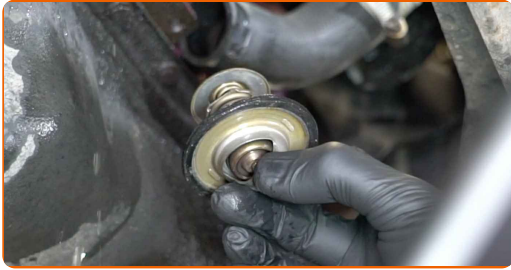


**AUTODOC recommends:**

- Replacement: coolant flange – AUDI A6 Avant (4B5, C5). Do not use excessive force when removing the part as this may damage it.

**10**

Remove the thermostat.



Replacement: coolant flange – AUDI A6 Avant (4B5, C5). AUTODOC experts recommend:

- Do not apply excessive force when removing the part. Otherwise you may damage it.
- Caution! Coolant may leak out of the coolant lines and thermostat housing.

**11**

Install the thermostat.



AUTODOC recommends:

- Caution! Do not use excessive force during installation. This may damage the fasteners of the car. AUDI A6 Avant (4B5, C5)

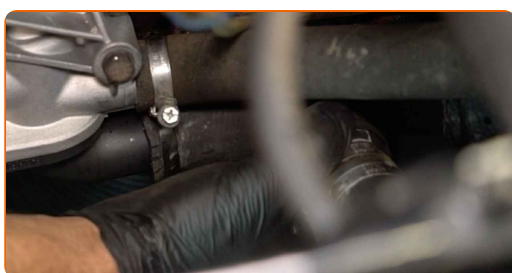
**12** Install a new thermostat housing.



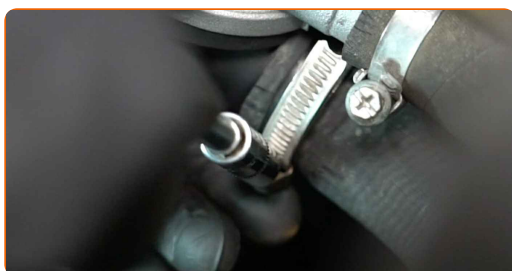
**13** Tighten the thermostat housing fasteners. Use a drive socket #10. Use a torque wrench. Tighten it to 13 nm torque.



**14** Attach the coolant hose.



**15** Secure the coolant hose clamp. Use a drive socket #7. Use a ratchet wrench.



**16** Remove the coolant reservoir cap.



**17** Insert the funnel.



**18** Pour coolant in the coolant reservoir.



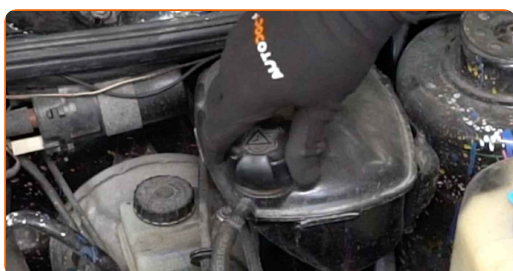
Replacement: coolant flange – AUDI A6 Avant (4B5, C5). Professionals recommend:

- Only use the coolant recommended by the manufacturer.
- The coolant level should be at the MAX mark.
- Wait until the air goes out of the system.

**19** Run the engine for a few minutes. This should be done in order to remove residual air from the cooling system and to check if the components are operating correctly.

**20** Shut off the engine.

**21** Install the coolant reservoir cap.



**22** Screw on the coolant reservoir cap.

**23** Remove the fender protection cover.

**24** Close the hood.

**WELL DONE!** 

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**COOLANT FLANGE: A WIDE SELECTION**

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