



How to change coolant  
flange on **VW Polo  
Hatchback (6N1)** –  
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:

VW Polo Hatchback (6N1) 1.9 D, VW Polo Hatchback (6N1) 1.7 SDI, VW Polo Hatchback (6N1) 1.9 SDI

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 – VW POLO HATCHBACK (6N1). 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 – VW Polo Hatchback (6N1). 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 – VW POLO HATCHBACK (6N1). 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 – VW Polo Hatchback (6N1). Professionals recommend:

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

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

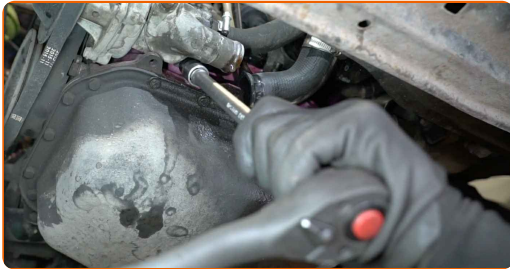


Replacement: coolant flange – VW Polo Hatchback (6N1). Tip from AUTODOC:

- 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.

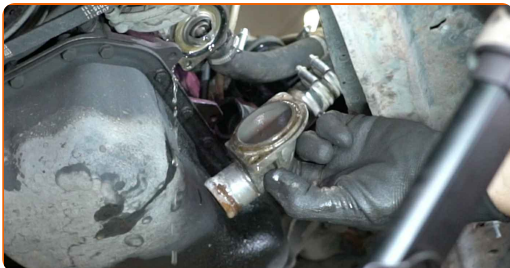
8

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



9

Remove the thermostat housing.

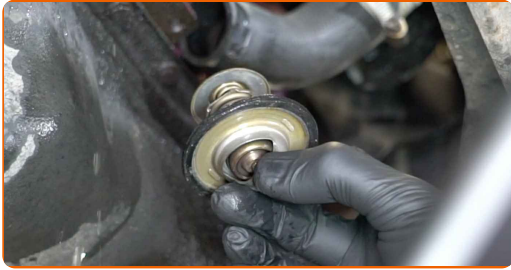


**AUTODOC recommends:**

- Replacement: coolant flange – VW Polo Hatchback (6N1). Do not use excessive force when removing the part as this may damage it.

**10**

Remove the thermostat.



Replacement: coolant flange – VW Polo Hatchback (6N1). 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. VW Polo Hatchback (6N1)

**12** Install a new thermostat housing.



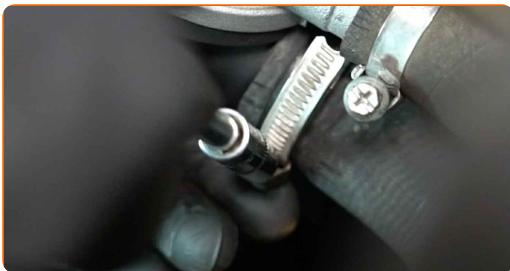
**13** Tighten the thermostat housing fasteners. Use a drive socket #10. Use a torque wrench. Tighten it to 13 nm torque.



**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 – VW Polo Hatchback (6N1). 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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