



How to change engine
thermostat on
VAUXHALL Astra Mk IV
(G) Estate (T98) –
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 Astra Mk IV (G) Estate (T98) 1.4 16V, VAUXHALL Astra Mk IV (G) Estate (T98) 1.6 16V

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 Meriva A (X03) 1.6 16V (E75)

**REPLACEMENT: ENGINE THERMOSTAT – VAUXHALL
ASTRA MK IV (G) ESTATE (T98). TOOLS YOU NEED:**



- All-purpose cleaning spray
- Torque wrench
- Drive socket # E8
- Torx bit T20
- Torx bit T30
- Ratchet wrench
- Clic-R collar pliers
- Seal scraper
- Flat Screwdriver
- Funnel
- Fluid container
- Microfibre towel
- Fender cover

Buy tools

Replacement: engine thermostat – VAUXHALL Astra Mk IV (G) Estate (T98).
AUTODOC recommends:

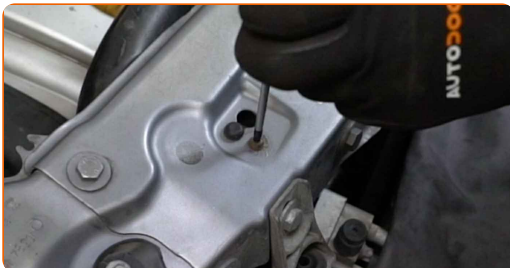
- Check the condition of the coolant every time you replace the thermostat. Change the coolant if necessary.
- Please note: all work on the car – VAUXHALL Astra Mk IV (G) Estate (T98) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

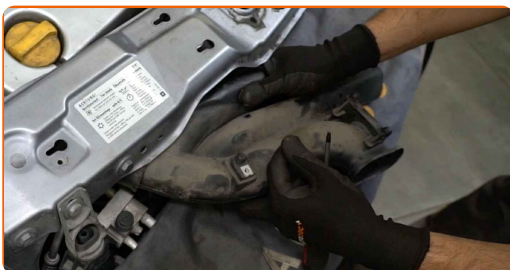
1 Open the bonnet.

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

3 Unscrew the fasteners of the air distribution housing assembly. Use Torx T20.



4 Remove the air distribution housing assembly.



5 Unscrew the engine cover fastener. Use Torx T30. Use a ratchet wrench.

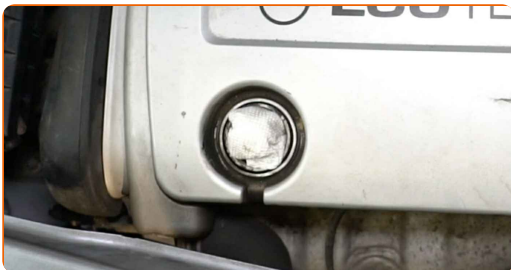


6 Unscrew the oil filler plug.



7 Remove the oil filler cap.

8 Cover the oil filler opening with a microfibre towel to prevent dirt and foreign objects from getting into the system.



9 Remove the engine cover.

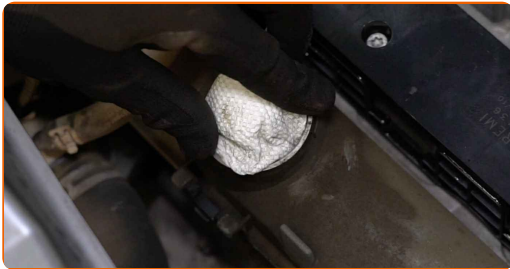


AUTODOC recommends:

- Replacement: engine thermostat – VAUXHALL Astra Mk IV (G) Estate (T98). Do not use excessive force when removing the part as this may damage it.

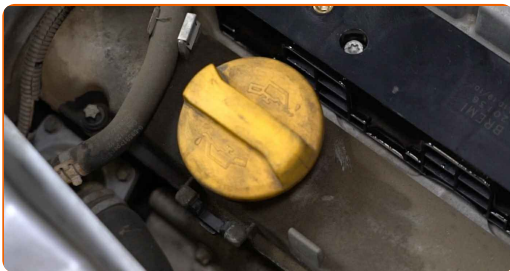
10

Remove the microfibre towel from the oil filler opening.



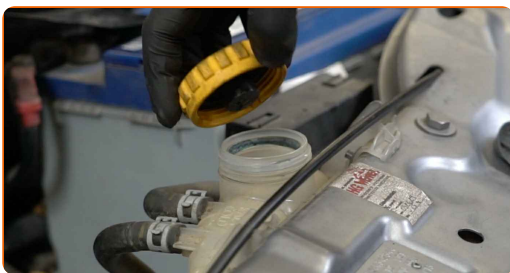
11

Install the oil filler cap.



12

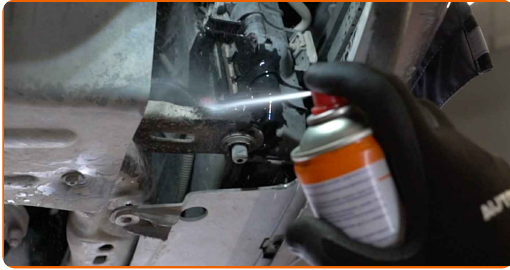
Unscrew the coolant reservoir cap.



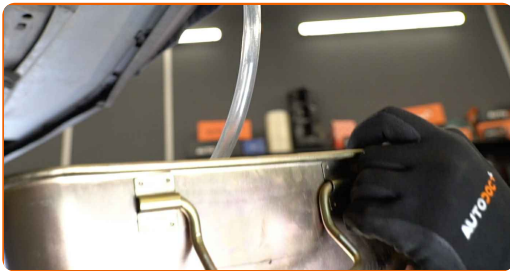
13

Lift the car using a jack or place it over an inspection pit.

14 Clean the coolant drain plug. Use all-purpose cleaning spray.



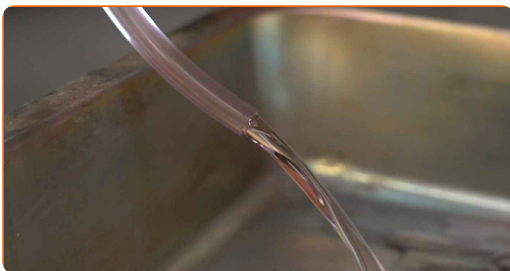
15 Prepare a container for fluids.



16 Open the coolant drain tap. Use a flat screwdriver.



17 Drain the coolant from the engine.



Replacement: engine thermostat – VAUXHALL Astra Mk IV (G) Estate (T98).
Tip from AUTODOC experts:

- Caution! The coolant can be very hot.
- Wear gloves to prevent contact with hot liquid.
- All work should be done with the engine stopped.

18 Wait until the coolant has completely flowed out of the drain hole.

19 Close the coolant drain tap. Use a flat screwdriver.

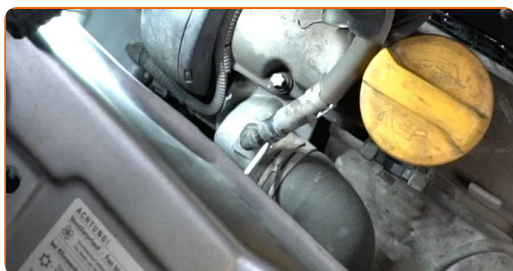


20 Lower the car.

21 Loosen the coolant hose clamp. Use clic-R collar pliers.



22 Detach the coolant hose. Use a flat screwdriver.

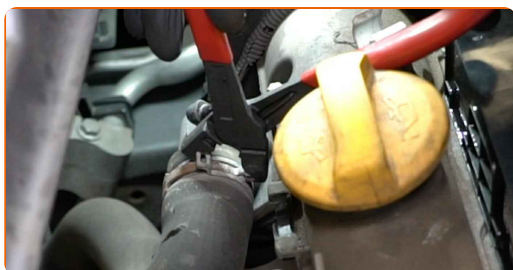


Replacement: engine thermostat – VAUXHALL Astra Mk IV (G) Estate (T98).
Tip from AUTODOC:

- Caution! Coolant may leak out of the coolant lines and thermostat housing.

23

Loosen the coolant hose clamp. Use clic-R collar pliers.



24

Detach the coolant hose.



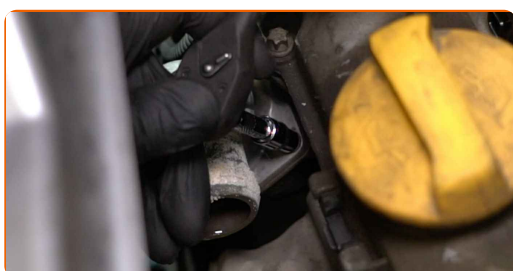
Replacement: engine thermostat – VAUXHALL Astra Mk IV (G) Estate (T98).
AUTODOC recommends:

- Caution! Coolant may leak out of the coolant lines and thermostat housing.

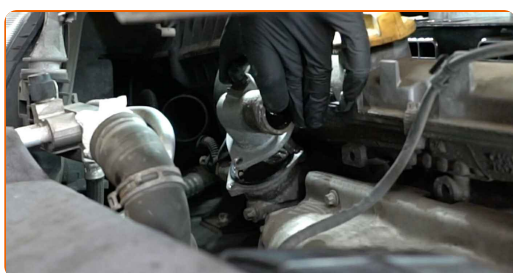
- 25 Cover the open end of the coolant hose with a microfibre cloth to prevent dirt and foreign objects from entering the system.



- 26 Unscrew the thermostat housing fasteners. Use a drive socket #E8. Use a ratchet wrench.



- 27 Remove the thermostat housing.



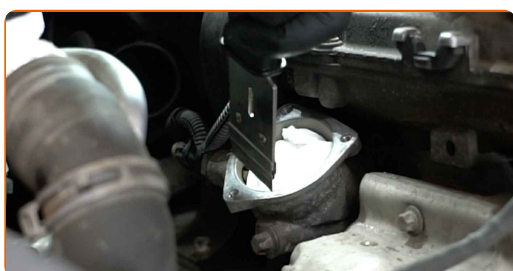
- 28 Remove the rubber strip.



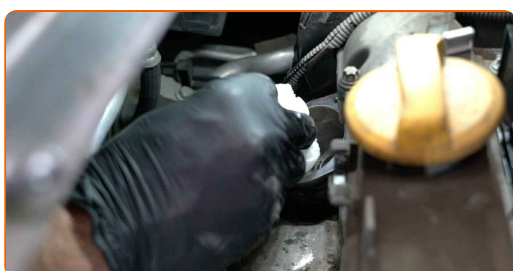
- 29 Cover the mounting seat of the thermostat housing with a microfibre cloth to prevent dirt and foreign objects from entering the system.



- 30 Clean the mounting seats of the thermostat housing. Use a seal scraper. Use all-purpose cleaning spray.



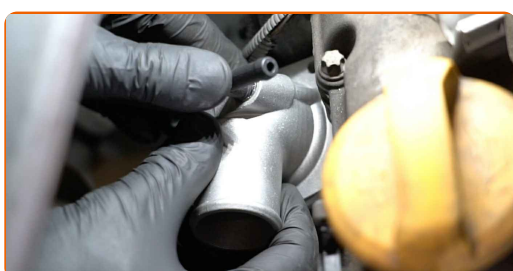
- 31 Remove the microfibre cloth from the mounting seat of the thermostat housing.



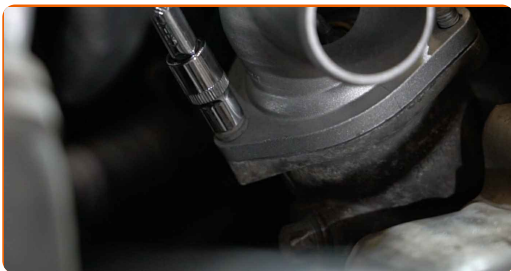
- 32 Install the rubber strip.



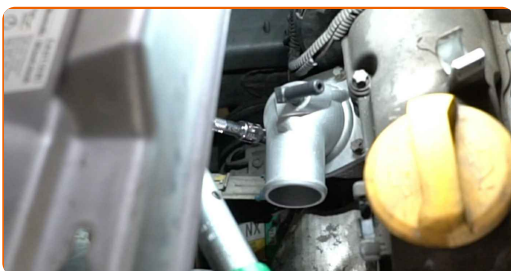
- 33 Install a new thermostat housing.



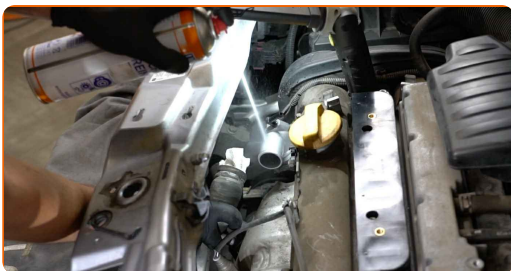
34 Screw in the thermostat housing fasteners. Use a drive socket #E8. Use a ratchet wrench.



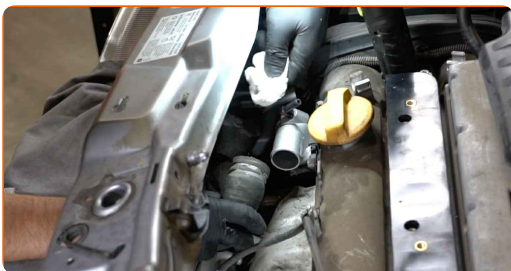
35 Tighten the thermostat housing fasteners. Use a drive socket #E8. Use a torque wrench. Tighten it to 7 nm torque.



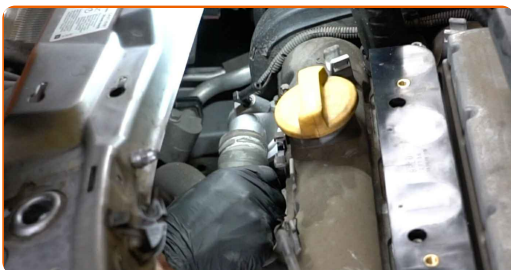
36 Clean the thermostat housing. Use all-purpose cleaning spray.



37 Remove the microfibre cloth from the coolant hose.



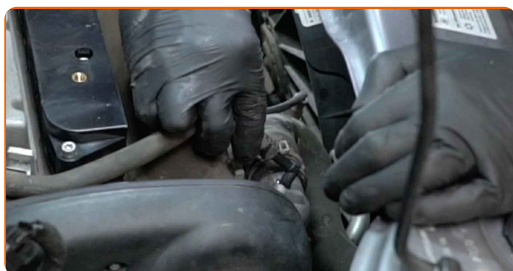
38 Attach the coolant hose.



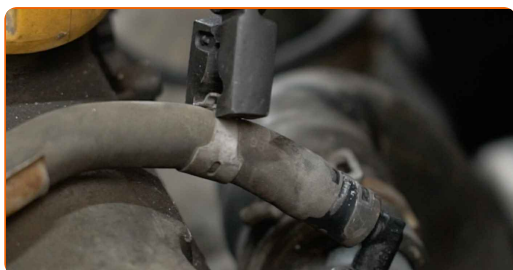
39 Secure the coolant hose clamp. Use clic-R collar pliers.



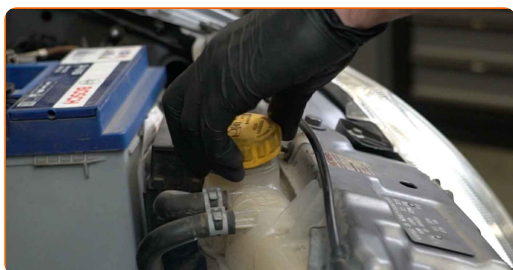
40 Attach the coolant hose.



41 Secure the coolant hose clamp. Use clic-R collar pliers.



42 Remove the coolant reservoir cap. Insert the funnel.



43 Pour coolant in the coolant reservoir.

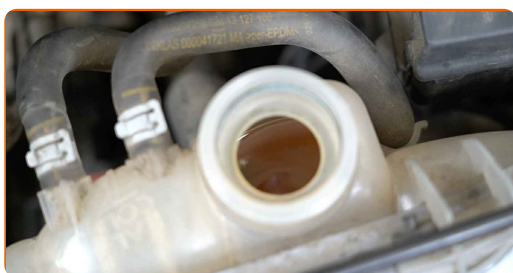


Replacement: engine thermostat – VAUXHALL Astra Mk IV (G) Estate (T98).
Tip from AUTODOC experts:

- 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.

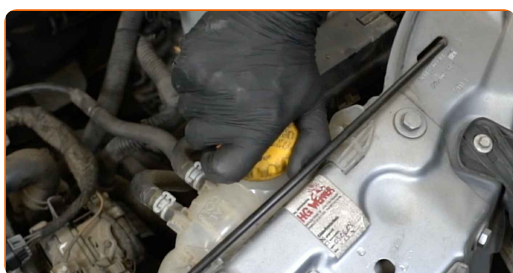
44 Run the engine for a few minutes. This should be done in order to remove residual air from the cooling system and to check if the components are operating correctly.

45 Check the coolant level. If necessary, top up to the required level.



46 Install the coolant reservoir cap.

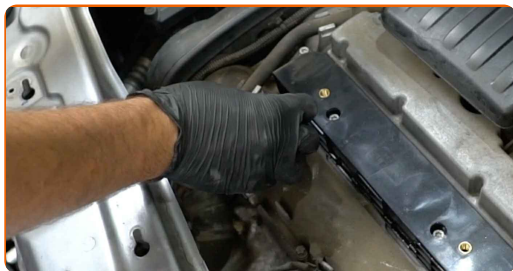
47 Screw on the coolant reservoir cap.



48 Remove the oil filler cap.



49 Cover the oil filler opening with a microfibre towel to prevent dirt and foreign objects from getting into the system.



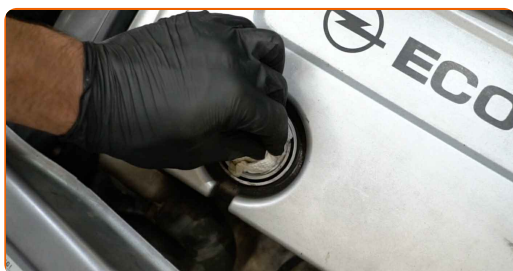
50 Install the engine cover and secure it.



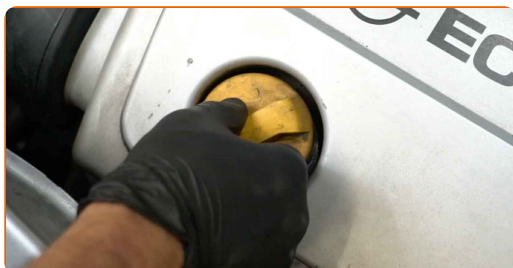
AUTODOC recommends:

- Caution! Do not use excessive force during installation. This may damage the fasteners of the car. VAUXHALL Astra Mk IV (G) Estate (T98)

51 Remove the microfibre towel from the oil filler opening.



52 Install the oil filler cap.



53 Screw in the engine cover fasteners. Use Torx T30. Use a ratchet wrench.



54 Tighten the oil filler cap.

55 Reinstall the air distribution housing assembly.



Replacement: engine thermostat – VAUXHALL Astra Mk IV (G) Estate (T98).
Tip:

- When installing, do not use excessive force to avoid damage to the part.

56 Screw in the fasteners of the air distribution housing assembly. Use Torx T20.



57 Remove the fender protection cover.

58

Close the hood.

WELL DONE! 

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