

Operating and maintenance instructions

Webasto
Feel the drive

Thermo Top E
Thermo Top C
Thermo Top P

General information

Dear Webasto customer!

We presume that the principle and mode of operation of your new heater has been explained to your complete satisfaction by the workshop / service centre which installed the heater. This manual summarizes the main points of importance for using the heaters Thermo Top E, C and P.

Maintenance and safety instructions

The water heaters Thermo Top E, C and P have been type-tested and approved in accordance with Directives 2001/56/EC (heaters) and 72/245/EEC (EMC) within the territory governed by European Directive 70/156/EEC.

The units must be installed in accordance with the enclosed installation instructions.

The heater **must not be operated** :



Danger of explosion
and suffocation!

- In filling stations and tank farms.
- At locations at which highly flammable gases or dusts can form, and at locations at which highly flammable liquids or solid materials are stored (e.g. near fuel, coal and wood dust, grain warehouses, dry grass and leaves, cardboard, paper, etc.)
- In enclosed rooms (e.g. garages), not even via the timer or Telestart.

The heater **must not**:



- be exposed to temperatures of more than 120 °C (storage temperature), otherwise the electronics may suffer permanent damage.
- be operated without at least 20% brandname anti-freeze in the water of the heating circuit.

The heater **must**:



- be operated with the fuel specified on the rating plate and at the nominal voltage specified on the rating plate.
- be taken out of operation by removing the fuse if smoke develops, if unusual burning noises are heard or if there is a smell of fuel.
The heater must not be restarted until the unit has been checked by personnel duly trained by Webasto.
- be operated for 10 minutes at least once per month, with the engine cold and the fan set to the minimum setting.
The heater must be inspected by a specialist at the beginning of the heating season or earlier.

Liability:





- Non-compliance with the installation instructions and the warnings contained therein will lead to the exclusion of all liability by Webasto. The same also applies if repairs are not undertaken by professionals or without using genuine spare parts. This invalidates the type approval for the heater and its homologation / EC type permit.

Operation of the heater

The heater can be started via the timer or Telestart unit, depending on its configuration. If no special instructions on adjusting the vehicle heating during auxiliary heater operation are available, then the vehicle heating must be set to "warm" before switching on the heater.

- ! The heater fan in the vehicle should be set to the 1st speed in the case of a 3-speed fan and to the 2nd speed in the case of a 4-speed fan. Fans with infinitely variable speed should be set to at least 1/3 of the fan performance.

- ! **NOTE:**
We recommend that the heating time be set in accordance with the driving time.
Heating time = driving time
Example: For a journey lasting approx. 20 minutes (one way), the duty period should not exceed 20 minutes.

If the optional summer / winter switch has been installed for the heater, it must be set in accordance with the time of year. In this case, the heater will heat the interior of the vehicle when set to the winter position  and merely operate the vehicle fan to ventilate the interior of the vehicle when set to the summer position .

Action in the event of faults

If a fault occurs, check that the fuses and plug connections are in perfect condition and secure.

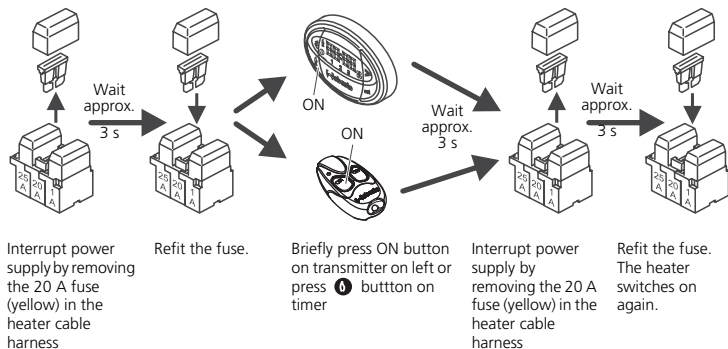
When a fault occurs, the heater switches to the fault interlock; an error is not indicated on the clock display.

Always try to cancel the fault interlock before calling a Webasto service centre.

The following faults can be remedied directly by the user:

Fault description	Possible cause	Remedy
Heater switches off automatically (= fault lock-out)	No combustion after starting and restarting. Flame goes out during operation.	Switch off heater and switch on again (not more than twice).
Heater does not switch on.	Heater is without electric power.	Check power supply to heater and ground connections.
Heater switches off during operation (= fault lock-out).	Heater has overheated due to lack of coolant.	Refill coolant as directed by manufacturer.

To cancel the fault interlock



Note:

The heater switches on again when the fuse is refitted.

Please contact a Webasto service centre if the fault cannot be remedied in this way.

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