

# Operating Instructions

**Webasto**

Thermo Top Evo - B (Petrol)

Thermo Top Evo - D (Diesel)

## Introduction

Dear Webasto Customer,

Thank you for choosing the Webasto Thermo Top Evo Water Heater. We hope you will enjoy many years of additional comfort during your travels with it.

The Thermo Top Evo heater is used in conjunction with the original vehicle heating system

- to heat the passenger compartment,
- to defrost the vehicle windows and
- to preheat water-cooled engines.

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. In these operating instructions we would like to once again provide you with an overview of the safe use of the Thermo Top Evo heater.

To become familiar with and understand all functions of the heater, you must read these operating instructions carefully.

Then you can be sure that you can use all functions to your satisfaction and feel completely comfortable and safe.

If you should lose these instructions, please contact an authorised Webasto dealer immediately to obtain a replacement copy.

Repair or maintenance work not described here may only be carried out by an authorised Webasto dealer.



## Maintenance and Safety Instructions

Within the territory governed by European Directive 70/156/EEC and/or EC/2007/46 (for new vehicle types from 29.04.2009), there are homologation approvals for the Thermo Top Evo water heater in accordance with the Directives ECE R122 (Heating) and ECE R10 (EMC).

**The heater must not be started until the unit has been checked exclusively by personnel duly trained by Webasto.**

**The unit may only be installed professionally in accordance with the installation instructions.**



Danger of explosion  
and suffocation!

The heater **must not be operated** :

- 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 % brand name anti-freeze in the water of the heating circuit.



The heater:

- may only be operated with the fuel specified on the rating plate and at the nominal voltage specified on the rating plate.
- must be taken out of operation by switching it off immediately and 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 exclusively by personnel duly trained by Webasto.
- must be operated for 10 minutes once a month, with the engine cold, outside temperatures below +20 °C and the fan set to the minimum setting. Especially for petrol heater a repeated starting of the heater maybe required due to the physical characteristics of the fuel.
- must be inspected every 2 years by a specialist at the beginning of the heating season or earlier.



Liability:

- Non-compliance with the operating 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/ECE type permit.

# Operation of the heater

## Normal operation

The heater can be started via the heater control, depending on its configuration. Before parking the vehicle, the settings required for the model must be carried out (temperature, fan).



### 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.

## Maintenance

It is recommended that you have the vehicle maintained and checked at regular intervals by an authorised Webasto dealer.

All repair or maintenance work must always be carried out by your authorised Webasto dealer. The dealer can also help with the specification of the required maintenance.



### WARNING:

**Repair and maintenance work performed on the heater requires specialised knowledge and special tools. Incorrect settings and maintenance can lead to damage to the heater or accidents resulting in serious damage.**

- For optimum performance, your authorised Webasto dealer should check and perform the necessary maintenance work on the heating system at least every 2 years regardless of use.
- The heater must be switched off prior to cleaning.
- The heater may NOT be cleaned with high-pressure cleaning systems or compressed air.

# Faults

## 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; no error is indicated on the heater control.

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

The following faults can be remedied directly by the user:

<b>Fault description</b>	<b>Possible cause</b>	<b>Remedy</b>
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.

In multilingual versions the German language is binding.

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The telephone number of each country can be found in the Webasto service center leaflet or the website of the respective Webasto representative of your country.