

Bedienungs- und Wartungsanweisung Operation and Maintenance Instructions

Thermo Top V

Ford Mondeo / Galaxy / S-Max (CD 34*)

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Operation and Maintenance Instructions

Thermo Top V for Ford Mondeo / Galaxy / S-Max

(CD 34*)

General Information

Dear Webasto customer,

We assume that the operation of your new heater unit was explained to your complete satisfaction by the Workshop/Service station that installed it. In these operating instructions we would like to give you an overview once again of the use of the Thermo Top V heater unit.

Maintenance and Safety Instructions

Within the scope of the European Directive 70/156/EWG type approvals have been granted for the Thermo Top V water heating unit in accordance with Directives 2001/56/EG (Heating) and 72/245/EWG (EMC).

The unit must be installed in accordance with the accompanying installation instructions.

The heater unit must not be operated:



Danger of
Explosion and
Suffocation

- at filling stations and refueling systems.
- in places in which highly flammable gases or dust can form, and in places in which highly flammable liquids or solid materials are stored (e.g. near fuel, coal dust, wood dust, grain warehouses, dry grass and leaves, cardboard, paper, etc.)
- in enclosed spaces (e.g. garage), and not with the time switch or remote start.

The heater unit must not:



- be exposed to temperatures higher than 120°C (storage temperature). Exceeding this can cause permanent damage to the electronics.
- be operated without at least 20% mix of an anti-freeze approved by the manufacturer in the coolant of the heat exchanger circuit.

The heater unit must:



- be operated with the fuel and at the nominal voltage indicated on the type plate.
- be switched off by removing the fuse, if a large amount of smoke is given off, there are unusual burning noises or smells. Before using the unit again, have it checked by trained Webasto personnel.
- be operated for 10 minutes at least once each month with a cold engine and the lowest blower setting. At the latest, at the start of the cold season the heater unit must be tested by a competent technician.

Liability Waiver:



- Not following the installation instructions and the information contained therein release Webasto from liability. This also applies for non-specialist repairs or when original spare parts are not used. This will result in voiding the type approval of the heater unit and consequently the general operating permit / EU type approval.

Heater Unit Operation

The following types of control elements can be ordered by the customer: push button, standard/combination timer, radio control remote Telestart T91, and/or with the Webasto Thermo Call option via telephone.

The function "parked-car ventilation" is not available with Thermo Top V.

NOTE:

We recommend that the heating time is adjusted according to the driving time.

Heating time = Driving time

For example: With a driving time of approx. 20 minutes (one-way trip), we recommend not exceeding a switch-on time of 20 minutes.

In Heating Mode, set the vehicle heating to "High" before leaving the vehicle.

NOTE:

The operating period of the heater by Telestart is preset to 30 minutes at the factory. Alternative heating periods can be programmed with the Telestart T91 in steps of 10 minutes.

Before leaving the vehicle, the following settings must be made to the vehicles heating controls (ignition on):



1. Temperature to "HI"
2. Air outlet onto windscreen

The blower speed is preset in the auxiliary heating mode and does not have to be pre-selected.

NOTE:

After the settings are made, wait a further 20 seconds before the ignition is switched off so that the vehicle saves the settings.

On vehicles with an anti-theft alarm system, the setting must be changed to "reduced protection". Please refer to the vehicle owner's manual for notes concerning the activation.

Use

With the Webasto Telestart T91, the heater unit can be switched on and off wirelessly at a range of up to 600 m. When switching on and off, the transmitter should be held as high as possible and vertical. When transmitting, do not cover the antenna with your hand.

The maximum range is increased in open spaces. In built-up areas, make allowance for a reduced range.



If you determine from the lack of feedback that the operating signal has not reached the vehicle, then you must change your position by a few metres.

A higher altitude can also increase the range.

The heater will automatically switch off when the selected operating period has elapsed.

NOTE:

When the fuel level reaches "RESERVE", the auxiliary heating shall no longer be operated.

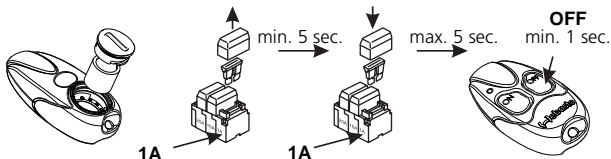
Programming Telestart Transmitter

1. Place batteries into the battery compartment of the transmitter.
2. Remove fuse 1A (black) from the heater's fuse holder (voltage interruption).
3. Wait at least 5 seconds.
4. Replace fuse in heater's fuse holder and within 5 seconds press the **OFF** button on the transmitter for at least 1 second.
5. Programming is completed.

A second or third hand-held transmitter can be programmed in the same manner.

NOTE:

The programming process can be repeated as often as necessary. The "oldest" transmitter will be deleted each time.



Switching on the heater

Hold the transmitter with the aerial upright and press the ON button until the LED lights up (approx. 1 second). Feedback of the Telestart receiver to the hand-held transmitter. The LED on the hand-held transmitter indicates whether the switch-on signal has been received with short flashing signals (every 2 seconds).

The operation indicator extinguishes:

- After the preset operating time has elapsed.
- Pressing the off button on the telestart.



Feedback from the transmitter upon turning on/off

The LED on the transmitter lights up for 2 seconds.	The signal has been received and the heater switched on or off
The LED on the transmitter flashes for 2 seconds.	Error during signal transmission. Change your location and repeat transmission.

Switching off the heater

Hold the transmitter with the aerial upright and press the **OFF** button until the LED lights up (approx. 1 second). The transmitter will send a feedback signal.



Switching off using the pushbutton switch

If the heater was activated by means of Telestart, the push button switch must be pressed once for deactivation.

Indication

When the auxiliary heating is switched on with the push button or the Telestart T91, the push button lights as an indicator.

NOTE:

When switched on with the push button, the operating period last used with the Telestart T91 is always selected.

Checking and Setting the Operating Time

The operating time of the heater can be preset on the transmitter in increments of 10 minutes. The operating time is factory-set at 30 minutes.

NOTE:

The function "parked-car ventilation" is not available with Thermo Top V.

We recommend setting the operating time (heating time) according to the driving time.

With a driving time of approx. 20 minutes (one way), we recommend setting an operating time of 20 minutes.

Checking the Operating Time

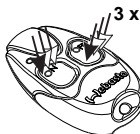
Simultaneously actuate the **ON** and **OFF** buttons within one second three times in rapid succession.

NOTE:

The first coded flashing signal that is emitted immediately upon the third actuation of both buttons has to be included into the count.

The LED flashes in accordance with the preset operating time.

No. of coded flashing signals	1	2	3	4	5	6
Operating time	10 min.	20 min.	30 min.	40 min.	50 min.	60 min.
No. of coded flashing signals	7	8	9	10	11	12
Operating time	70 min.	80 Min.	90 min.	100 min.	110 min.	120 min.



Setting the Operating Time

Press the OFF button to call up the next operating time.

To store the setting:

- do not actuate any button for 10 seconds, or
- actuate the **ON** button.



Returning to the Default Setting

Press the **ON** and **OFF** buttons simultaneously for approx. 10 seconds until the LED extinguishes.

Default setting:

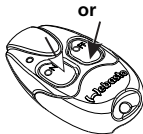
Heating mode, 30 minutes



Checking Battery

Press the **ON** or **OFF** button.

Battery	LED	Action
Almost spent	Flashes orange for 5 seconds	Replace battery as soon as possible or warm up transmitter
Discharged	lights up for 5 seconds in orange	Replace battery



Battery change

See also page 31: "Programming Teletstart Transmitter".

Note

Return batteries of our products after use at the point of purchase or in its immediate vicinity. Returning them is free. As end user you are legally obliged to return used batteries.

Caution!

Risk of explosion if battery is replaced by an incorrect type! Dispose of the used batteries according to the instructions. This product is subject of the European directive 2002/96EC and EN 50419. Dispose information shall be given either at the sample or in the user instruction.



Troubleshooting

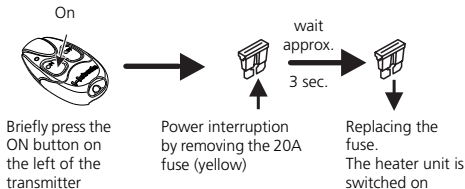
If a fault occurs, check the security and condition of the fuses and the connections. If there is a malfunction, the heater unit switches to defect lock mode. Before you visit a Webasto Service station, try to clear the defect lock.

You can rectify the following faults yourself:

Fault Description	Possible Cause	Corrective Action
Heater unit switches itself off automatically (=fault shutdown)	No combustion after Start and repeat Start, flame goes out during operation	Heater unit switches off and on again (not more often than 2x)
Heater unit does not switch on	Heater unit has no power	Check the heater unit power supply and the grounding point connection
Heater unit switches off while heating (=fault shutdown)	Heater unit has overheated due to lack of coolant	Refill coolant according to manufacturer's specifications. Bleed the coolant circuit if necessary.

Fault Reset

To reset the heater, locate the auxiliary heater fuses in the engine compartment.



NOTE:

The heater unit is switched on when the fuse is replaced.

If this action does not correct the fault, please contact a Webasto Service station.

Bei mehrsprachiger Ausführung ist
Deutsch verbindlich.

In multilingual versions the German
language is binding.

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