

Bedienungs- und Wartungsanweisung Operation and Maintenance Instructions

Thermo Top V

Mercedes Benz C-Class (BR 204)

Id.-Nr.: 1312913A

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Operation and Maintenance Instructions

Thermo Top V for Mercedes Benz C Class

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/EEG type approvals have been granted for the Thermo Top V water heating unit in accordance with Directives 2001/56/EG (Heating) and 72/245/EEG (EMC).

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

The heater unit may not be operated:



Danger of
Explosion and
Suffocation

- at filling stations.
- in places where flammable gasses or dust can collect (e.g., close to fuel, coal, sawdust or grain storage).
- in enclosed spaces (e.g. garage), and not with the time switch or remote start.

The heater unit may not:



- be switched off at temperatures higher than 120°C (storage temperature). Exceeding this can cause permanent damage to the electronics.
- operated without at least 20% proportion of a branded anti-freeze in the cooling water of the heat exchanger circuit.

The heater unit must:



- be operated with the fuel and at the nominal voltage indicated on the type plate.
- if a large amount of smoke is given off, there are unusual burning noises or smells, be switched off by removing the fuse. 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 heater unit can be operated by a tip switch or radio control remote Telestart T91.

The heater unit can also be operated via the telephone with the Webasto Thermo-Call option.

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.

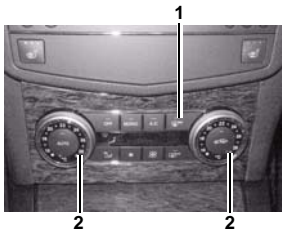
In Heating Mode, set the vehicle heating to "High" before leaving the vehicle.

NOTE:

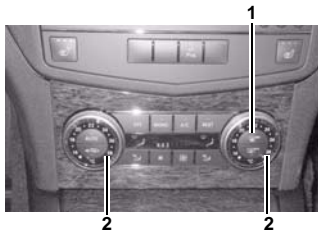
The operating period of the heater by Telestart is preset to 30 minutes at the factory. Alternative heating periods can be programmed with the Telestart T91 in steps of 10 minutes.

The following settings must be made before switching off the vehicle:

On vehicles with a factory-installed alarm system with passenger compartment monitoring, the alarm system must be deactivated before leaving the vehicle. Please refer to the vehicle owner's manual for information.



2 Zone air-conditioner



3 Zone air-conditioner

1. Air outlet onto windscreen.
2. Temperature set to "max."

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.

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.

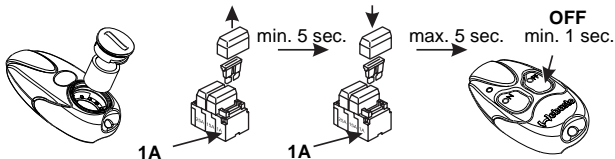
Programming Telestart Transmitter

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. "Learning" is completed.

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

NOTE:

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



Switch on heater

Hold the transmitter with the aerial upright and press the ON button until the LED lights up (approx. 1 second).

The LED on the hand-held transmitter indicates whether the signal has been received. After the signal has been received, the heating operation is indicated by means of brief blinking signals (every 2 seconds).

The operation indicator extinguishes:

- After the preset operating time has elapsed.
- When Telestart is switched off.



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.

Switch off 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 pushbutton switch must be pressed once for deactivation.

Indication

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

NOTE:

When switched on with the 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 for the C-Class (BR 204).

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

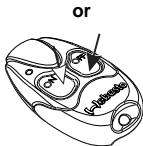
Default setting: heating mode, 30 minutes



Checking the Batteries

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

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



Troubleshooting

If a fault occurs, check the security and condition of the fuses and the connections.

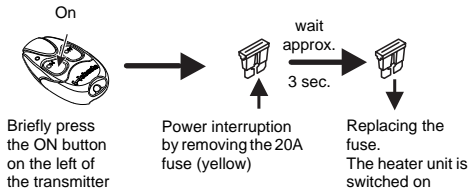
If there is a malfunction, the heater unit switches to defect lock mode. Before you visit a Webasto Service station, try to clear the defect lock.

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

The defect lock is incorporated in the auxiliary heater fuse holder 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 case of multilingual version
German is binding.

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Subject to modification

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