

September 2017 Edition

Hello Idle Free Technicians,

As summer ends it is time to start thinking about the winter months ahead. Most Idle Free eAPUs are equipped with a Webasto coolant heater which requires routine maintenance and care for proper operation. When maintaining/repairing systems, having the proper equipment is necessary to properly diagnose malfunctions. If you are troubleshooting malfunctioning heaters, a diagnostic tool is essential. The Idle Free part number for this tool is **49002**.



The following information was pulled directly from the Webasto manual located at:

<http://techwebasto.com/documentation/heater/cargoapp/thermo-top-c.html>

## 6.4 PC Diagnostics Kit

### CAUTION

Diagnostics equipment is intended for use by Webasto trained personnel at authorized Webasto Distributor, Dealer and End User service facilities.

It is possible to read and remove (reset) stored fault codes from the TTC memory. This is achieved through the use of a diagnostic interface kit connected to the TTC and an IBM compatible computer having the necessary software installed.

The PC Diagnostic Interface Kit comes complete with connecting hardware, software and instructions. Also available are several interface connectors for use with Webasto heaters equipped with internal diagnostics capabilities such as theTTC.

Order PC Diagnostics Kit under part number 1320920A .

Kit does not include required adapter, please order adapter under part number 92566B.

In addition to working with stored fault codes, the PC Diagnostics Kit allows you to do several other functions such as reading values while the heater is in operation or testing individual components. Printing out of fault codes is also available (User supplied printer required).

For further capabilities and instructions for use with the TTC heater, see instruction manual supplied with the PC Diagnostics Kit.

## Thermo Top C (TTC)

## 5 Maintenance of the Heater

### 5. Maintenance of the Heater

#### 5.1 Annual Maintenance

The TTC heater requires a minimum of maintenance to keep in good operating condition. The following maintenance procedures should be performed annually before each heating season:

#### NOTE

For major repair and spare parts, return to your authorized Webasto Specialist.

#### Enclosure Box and Heater

- Clean the heater and enclosure box from any accumulated debris or dust with compressed air.
- Inspect all components for wear and damage.

#### Electrical System

- Check wiring harnesses for damage, repair or replace if damaged.
- Check the condition of the batteries and the connections.
- Load test the batteries and replace if necessary.

#### NOTE

The heater will not function properly with weak batteries.

#### Combustion Air System

- Check for obstructions at air intake port.
- Check air intake tube carefully for restrictions and damage. Repair or replace if damaged.

#### Exhaust System

- Check the exhaust system carefully for restrictions or corrosion. Replace damaged parts.

#### Fuel System

- **Change fuel filter if equipped.** Inspect fuel line for damage, restrictions, routing or loose connections. Repair or replace if damaged.

#### Coolant System

- Inspect all coolant lines and clamps for leakage, restrictions or damage. Repair or replace.
- Inspect coolant circulation pump for leakage. Repair or replace if damaged.

#### Operational Test

- Run your heating system for at least 15 minutes.
- Check water and fuel connections for leakage. Re-tighten hose clamps if necessary.

#### NOTE

**Operate your Webasto at least once a month for 20 minutes.**



The Idle Free part number for the **Webasto Fuel Filter is 42002.**

As always, please direct your questions to our Technical Support team at (920) 206-9333