

Initial start-up of Thermo, Thermo S and E Heaters

It is mandatory to read through the operating and maintenance instructions as well as the installation instructions before starting the heater.

The safety precautions given in the above mentioned documents must be considered!

The heaters are adjusted in the factory and can be used unlimited without a change of the CO₂ adjustment up to an altitude of 1500 m above MSL and up to 2000 m above MSL if that is a short stay in such conditions (pass crossing, break).

In case of a permanent heater operation above 1500 m the CO₂ setting should be readjusted, due to a negative change of the exhaust gas values in result of the decreased air density.

It is also recommended to adjust the CO₂ content according to the technical data if combustion air supply or exhaust gas applications are used.

After heater installation, bleed the water system and the fuel supply system carefully. In this process it is mandatory to fill the suction line and the fuel filter of the heater completely. Spheros recommends the usage of a separate bleeding unit. Follow the appropriate instructions provided by the vehicle manufacturer. Verify the fuel supplied to the heater is bubble-free.

NOTE:

Never use the fuel pump to fill / bleed the fuel system!

Generally, the hook-up of the heater to the vehicle power grid must be done only after filling / bleeding of the fuel system in order to prevent a premature start of the fan motor/fuel pump.

Conduct a test run of the heater to check all the water and fuel connections for leaks and to ensure that they are secure. If the heater suffers a fault during operation, the fault must be located and remedied according to given in the shop manual instructions.

ATTENTION:

In the event no fuel comes to the fuel pump during initial start-up, there is a risk that the fuel pump will be damaged!