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Coding Information

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Title: Service and Support Information For The ESPAR Auxiliary Fuel Fired Heater Field Service Kit (P/N 2592385C91) For V8 BE and CE Buses

Applies To: BE 200 CE 200

DESCRIPTION

The ESPAR auxiliary fuel fired heater service kit for BE CE V8 buses (Kit part number 2592385C91) is used for added heating capacity in cold weather conditions. The system uses the existing fuel and electrical power supply from the vehicle. The kit contains an ESPAR Hydronic D5 fuel fired heater, the parts required for installation in the bus, and installation instructions. The following informational sections are discussed in this SFN:

- **Service, Operator and Diagnostic Literature**
- **Essential Service Tools**
- **SRT**
- **Warranty**
- **Service Parts Information**
- **Technical Support**

Service FAQs

I. Service, Operator, and Diagnostic Literature

The following publications are available for the product:

A) ESPAR fuel fired heater: [Installation/Troubleshooting/Parts Manual](#)

B) Operator's Manual for the auxiliary fuel fired heater can be found at the following link

<https://evaluate.internationaldelivers.com/service/opmanuals/HeaterSystem.pdf>

II. Essential Service Tools

There is a diagnostic unit and adapter/pigtail that are recommended. International is strongly encouraging dealers who have customers ordering the ESPAR coolant heater feature to invest in the following tools:

- Diagnostic Unit CA1 05 020
- Adaptor (Pigtail) CA1 05 028

They are both used for reading, displaying and deleting fault code saved in the electronic control unit of the ESPAR coolant heater (Hydronic D5). Diagnostic instructions and Fault Code information are listed within the manual above.

International has chosen not to direct ship these two tools that are readily available in the marketplace. Dealers are, however, expected to have the tools available so customer vehicles can be promptly and properly repaired. Please order these tools for your shop if you could be performing repairs to these heaters.

To order the tools, dial 1-800-387-4800 in the U.S and 1-800-668-5676 in Canada at ESPAR, or you can e-mail them at inquiries@Espar.com.

NOTA:

These tools can also be used for reading and deleting fault codes in the electronic control of the ESPAR heaters installed in the 9000i.

III. SRT

It has been decided to allow submission of T-Times for the ESPAR Hydronic D5 fuel fired heater.

IV. Warranty

Warranty Coding Manual (CTS-1025) - The Warranty Coding Manual is being updated with a new noun code for the auxiliary fuel fired heater under group codes 19000/19020.

V. Service Parts

A) Parts manual (follow the link below)

http://www.espar.com/pdfs/2219_2325.pdf

B) The service kit part number is listed below. This kit contains all the parts and information necessary to install the ESPAR fuel fired heater in the bus:

2592385C91 - ESPAR 17k Fuel Fired Heater Service Kit

Service parts for the kit and the heater unit have been set up in International's service parts system.

VI. Technical Support

ISIS FAQ's will be updated as needed. FAQ's will address the issues and answers to the most frequent calls that Tech Services is handling regarding the ESPAR auxiliary fuel fired heater.

VII. Service FAQs

Does this unit affect normal service and maintenance procedures of the cooling system?

No, the ESPAR heater will be located low enough on the frame rail that bleeding is not required. However, if the ESPAR system is disconnected for any reason, there is a bleed screw on the unit for bleeding the air out (item 16 on page 5 of the installation/troubleshooting/parts manual - link below) shows the location of the bleed screw.

http://www.espar.com/pdfs/hydronic4_5.pdf

Does the unit have any cut-off/cut-out features?

Yes, the control unit, temperature sensor, overheat sensor and flame sensor continually monitor heater functions and will shut down the heater in case of a malfunction. In addition, there is an inertia switch that shuts off the power if the bus exceeds a preset inertia setting.

If the system is not getting power and all the fuses are good, check the inertia switch. The inertia switch is located in the Hydronic D5 box mounted on the frame rail in the same side the coolant lines are routed through. To reset the inertia switch, push in the button on the top of the switch.

Are there instructions on how to install the ESPAR fuel fired heater kit?

Yes, the instructions are included in the service kit listed in Section V above.

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