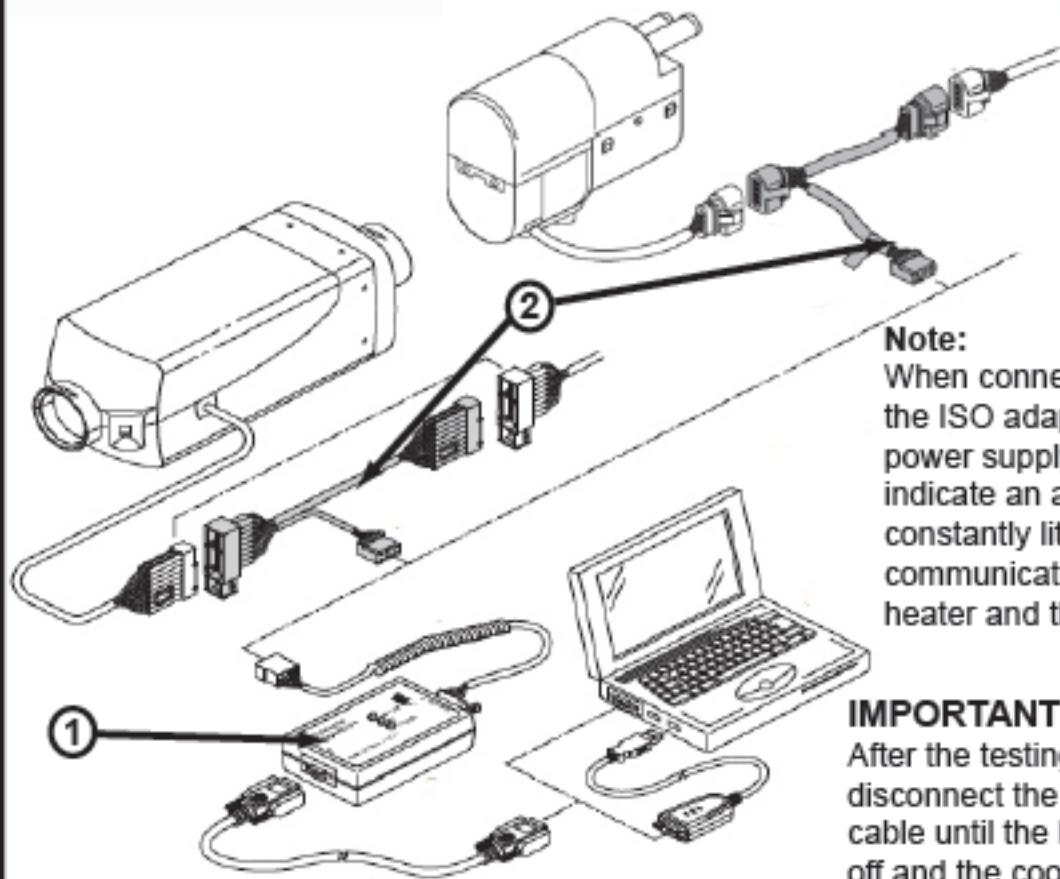


EDiTH Diagnostics

Connection

Quick Reference Card



Note:
When connected, the green LED on the ISO adapter will indicate a 12 V power supply and the amber LED will indicate an active diagnostic link. A constantly lit red LED, may indicate a communication failure between the heater and the computer.

IMPORTANT
After the testing with EDiTH, DO NOT disconnect the 'Y' shaped test adapter cable until the heater has been switched off and the cool-down process has been completed.

Hardware Required

- ① **ISO adapter kit** (EDiTH basic adapter) : p/n 22 1541 89 0000

The kit includes;

- i) ISO adapter
- ii) Black spiral cable with 6-pin connector
- iii) 9-pin to 9-pin serial port connector cable
- iv) USB 2.0 to 9-pin serial port adapter cable
- v) CD with USB 2.0 to serial port software
- vi) CD with EDiTH diagnostics software



Note:

Install the EDiTH software and the software for the USB 2.0 to 9-pin serial port adapter cable, before connecting the ISO adapter to the computer

- ② **Test adapter cable** (suited to individual heater type)

Commonly used test adapter cables;

- p/n 22 1000 31 8600 : 'Y' shaped test adapter cable for Airtronic D2/D4/D5
- p/n 20 2900 70 5028 : 'Y' shaped test adapter cable for Hydronic D5
- p/n 20 2900 70 5046 : This universal 6-pin to 8-pin connector adapter cable connects the ISO adaptor to any heater which has a diagnostic connector built into the main harness

For a complete list of test adapter cables, please refer to www.espar.com/help

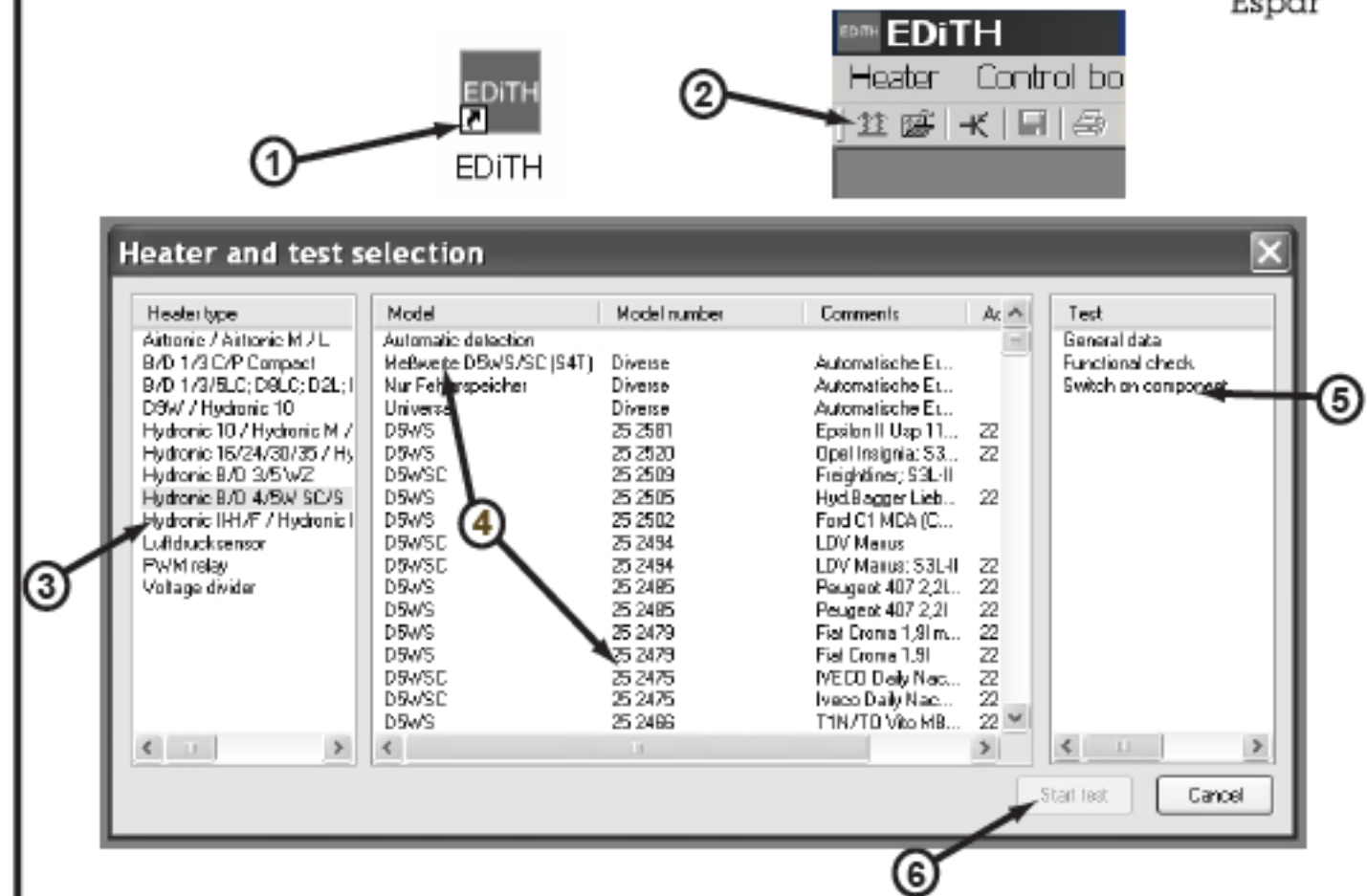
EDiTH Diagnostic Software

- EDiTH is an acronym for **Eberspaecher Diagnostic Tool Heater**
- EDiTH diagnostic software is available for free download from www.espar.com/help
- EDiTH is compatible with most versions of Windows OS, including Windows 7.
- The current version of EDiTH software is S3V11-F (as on June 2011).
- Always uninstall the older version before installing the newer version of the software.

EDiTH Diagnostics

Operation

Quick Reference Card



Activating EDiTH diagnostic tests

1. Double-click the EDiTH shortcut on the desktop to launch the EDiTH program
2. Click on the 'Select heater' icon from the navigation menu displayed
3. Select the heater type from the groups listed in the far left column (example : Airtronic / Airtronic M / L OR Hydronic B/D 4/5W S/SC etc.)
4. Click and select the correct heater model number and the correct ECU version or click and run the 'Automatic detection' cycle.
5. Select the diagnostic test to be activated in the far right column. (example: Error memory, General Data , Functional check or Switch on component)
6. Click on 'Start test' button.

EDiTH diagnostic test options

General data : Displays total operating hours and in different heating stages, glow pin activations, number of start-attempts, number of successful ignitions, over-heat counter, failed startup counter, fault codes etc.

Functional check : Activates the heater and displays live data on the heater operation as it unfolds. This test displays components as they are activated or deactivated, the operational parameters being measured like temperature, speeds, frequency, voltages, heating modes etc. To switch to a graphic view, select the check boxes against the operational parameters and click on the 'graph' tab.

Switch on component : Enables independent activation and testing of the heater components including the blower fan, fuel metering pump, glow pin, coolant pump, etc. Any component defect will be indicated by a fault code. The fuel lines may be primed by independently activating the fuel metering pump.

NOTE: The scope of information displayed in these tests will depend on the type of heater and the ECU version. The fault codes can be cleared by clicking the 'Delete' button.

