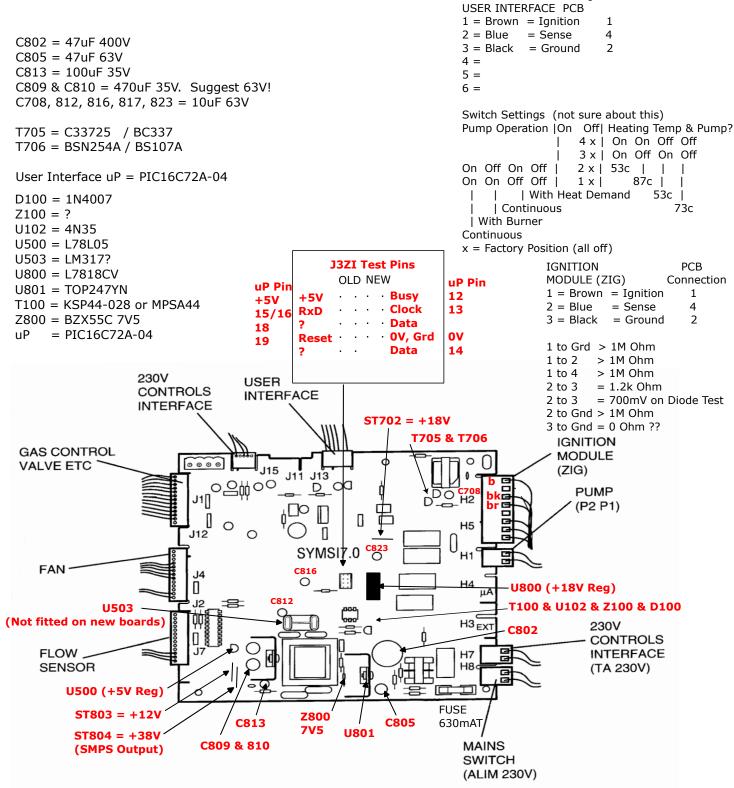
Glow Worm cxi, hxi & sxi PCB - Components



NOTES

The main DC voltage from the SMPS is around 40V. Interesting that the smoothing capacitors C809 & C810 are 35V working!! Perhaps use 50V or 63V replacement caps here.

The 12V and 38V supplies are from separate secondary windings. +5V is derived from the 12V rail. They all share the common Gnd.

As C809 & C810 capacitors work the hardest they should be replaced as a matter of course (with 50V or 63V working 105deg). C802 is an HV capacitor and should be replaced. C813 is for the 12V rail and again should be replaced as it is next to the heatsink. As should C805. All with 105deg spec parts.

F1 Ignition Fault (Boiler failed to light)
F4 Ignition Fault (Boiler went out when lit)
F5 Overheat Fault
F6 Central Heating Flow Thermistor Fault
F10 Central Heating Return Thermistor Fault
F11 Main Board Connection Fault
F12 User Interface Connection Fault
F13 Main PCB Fault

F14 Central Heating Flow Temp Too High

F16 Gas Valve Fault F17 Power Supply Less Than 170V F18 User Interface Fault F19 CH Thermistor Unplugged

F20 Software Incompatibility F24 CH Return Temp Too High F25 Max Temp Rise Slope to High F26 Max Delta Temp Too Low