Hypertherm[®]

HT2000LHF

Isolation Amplifier (Voltage Divider) PCB Installation

Kit # 128555

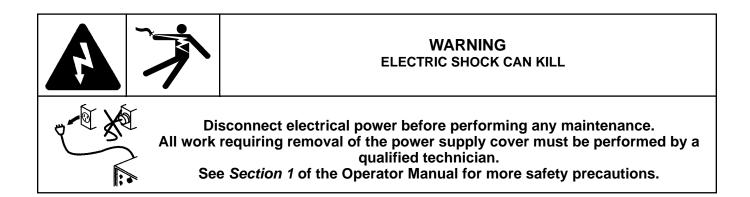
Field Service Bulletin (P/N 804380)

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Introduction

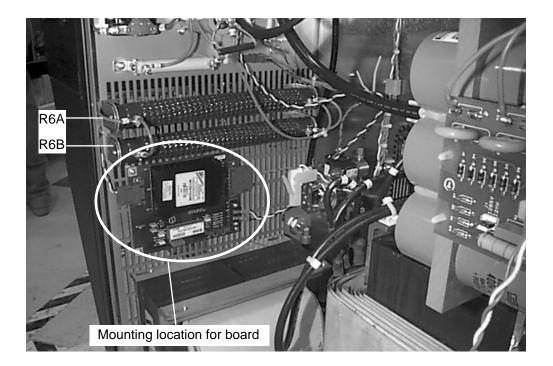
Purpose

Describes necessary steps to install an Isolation Amplifier (voltage divider) PCB for customers needing to use the divided voltage for a torch height control.

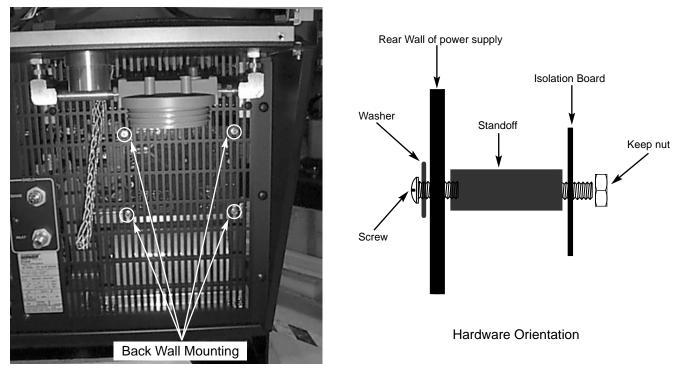
Kit Contents

Part Number	Description	Qty
041274	PCB Assembly: 2000LHF Isolation Amplifier	1
129747	Harness: HT2000LHF Voltage Divider	1
075158	Keep Nut: 6-32	4
075198	washer	4
075491	Screw: 6-32 x 3/8"	4
008359	Standoff: 6-32 x 3/8"	4

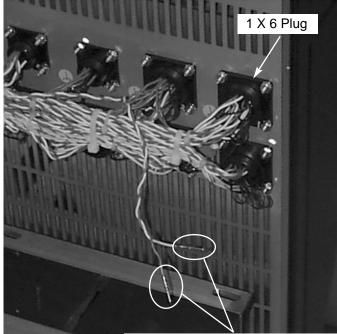
1- The Isolation board (P/N 041274) can be mounted on the left side back wall of the HT2000LHF power supply below R6A and R6B. The board should not touch the resistors or any other components.



2- Install the board using the hardware provided. Make sure REC2 on the Isolation board is toward the outside of the machine.

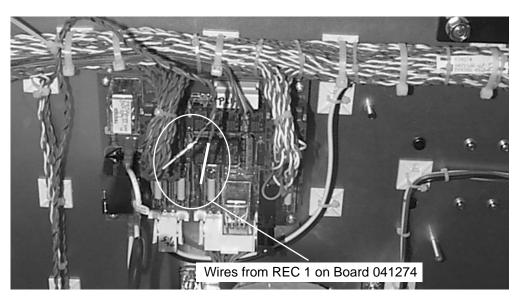


3- Remove jumper wire from pin 33 and 28 on plug 1X6 on back of power supply. Run the red & white wires from REC2 on Isolation board to 1x6 plug. White wire to pin #33, and red wire to pin #28. Refer to Schematic 013224, sheet 7 of 13 at the back of these instructions. Remove jumper wire with Tool # 008197.

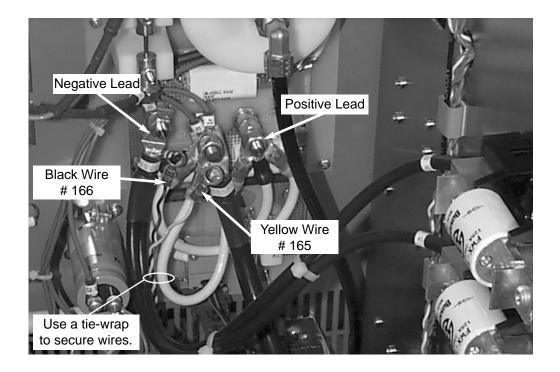


Wires from REC 2 on Board 041274

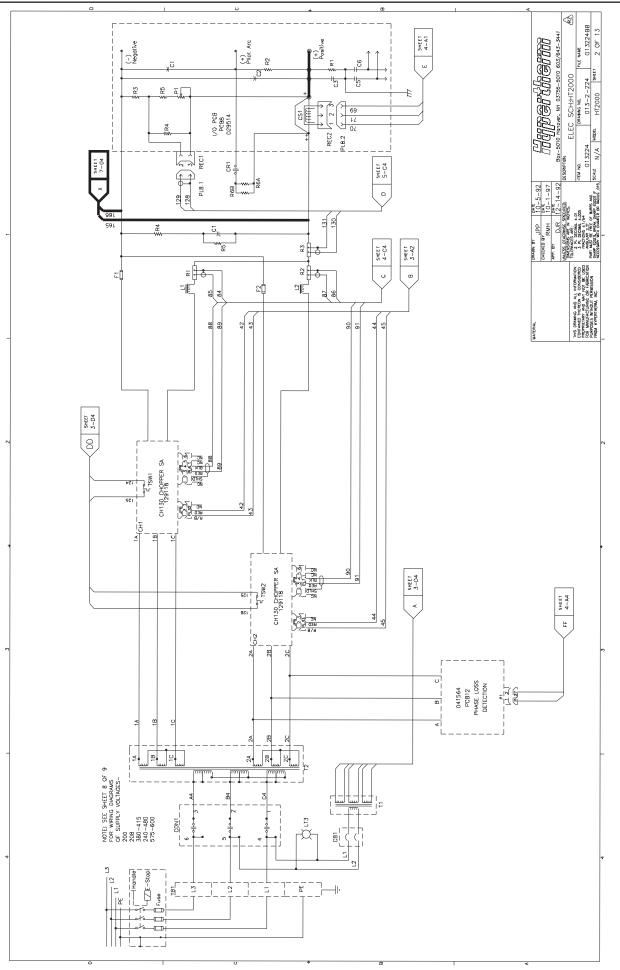
4. Run the red & red/black wires from REC1 on Isolation board to PL1.2 on the Power Distribution board, (P/N041534). Connect the red/black wire to pin #17 and red wire to pin #18 of PL1.2. Refer to Schematic 013224 sheets 3 & 7 of 13 at the back of these instructions. This is the 120 VAC to power the isolation board.

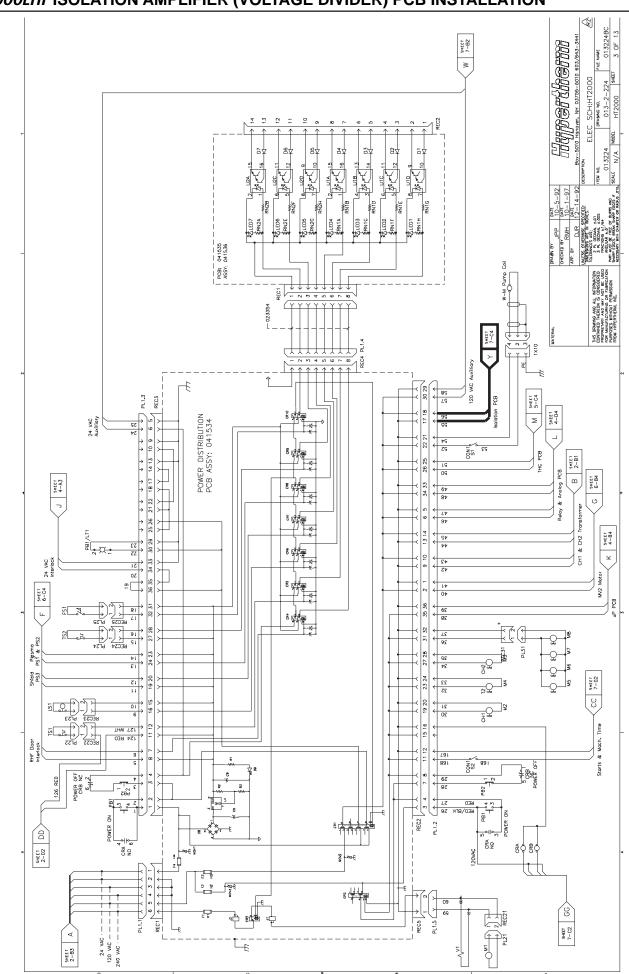


5. Run the wires from TB1 on Isolation board to I/O Board (P/N029514). Connect black wire, #166, to negative lead and yellow wire, #165, to positive lead. Refer to Schematics 2 & 7 of 13 in the back of these instructions.



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