Hypertherm[®]

*HyDefinition HD1070®*Gas Console Upgrade

Kit # 028772

Field Service Bulletin (P/N 802040)

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WARNING

Turn off all power to HD1070 system. Always press the power unit OFF (O) pushbutton switch and set the line disconnect switch to OFF. Lock-out and tag-out switch.

Purpose

This upgrade allows the existing gas console (P/N 078001) on an HD1070 system to be upgraded with the new Gas Console II (P/N 078016). The new gas console and control board must be installed and wiring changes must be made to PL2/REC2 on the power distribution board 1XPCB2.

Upgrade Kit (P/N 028772)

078016 - Gas Console II

041759 - Control Board

008197 - Pin/Socket Extractor Tool

802030 - HD1070 Instruction Manual

802040 - Field Service Bulletin

Required Tools

#2 Phillips Head Screwdriver

Procedures

Install Gas Console II

To install Gas Console II, refer to HD1070 instruction manual 802030, Section 3, Installation.

Install New Control Board

- 1. Remove the power supply front panel by removing the six (6) screws.
- 2. Locate control board 1XPCB3 (bottom board). See figure 1.
- 3. Remove old control board. See figure 1.
- 4. Install new control board. See figure 1.
- 5. Reinstall front panel and secure with the six (6) screws.

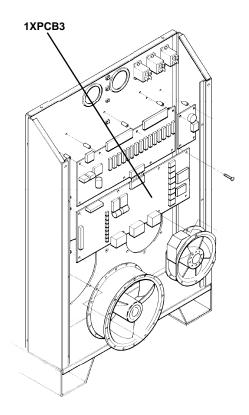


Figure 1 Control Board Location

Change Wiring at PL2/REC2 on Power Distribution Board 1XPCB2

- 1. Remove the top cover from power supply by removing the six (6) screws, then remove the right side panel by removing the four (4) screws.
- 2. Locate Power Distribution Board 1XPCB2 and PL2/REC2. See figure 2.
- 3. Disconnect PL2 from REC2 and make wiring changes using the pin/socket removal tool. Refer to PL2/REC2 wiring detail below. **Note: To avoid wiring errors when making the wiring changes, change only one set of wires at a time, since both sets of wires have the same color coding.**
- 4. Reinstall right side panel and secure with the four (4) screws.

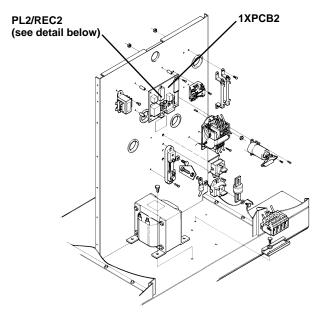


Figure 2 Power Distribution Board 1XPCB2 and PL2/REC2 Locations

