

# ***powermax1100***

## **Work Cable Installation**

**Kit: 128145**

## **Field Service Bulletin**

**IM-285**

**(P/N 802850)**

**Revision 0 August, 1997**

**HYPERTHERM, Inc.  
P.O. Box 5010  
Hanover, New Hampshire 03755-5010  
Tel.: (603) 643-3441  
Fax: (603) 643-5352  
<http://www.hypertherm.com>  
[email:info@hypertherm.com](mailto:info@hypertherm.com)**

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# Installation of Work Cable to **powermax1100** sheet 1 of 2

Kit: 128145



## WARNING



**INSTALLATION MUST BE PERFORMED ONLY BY HYPERTHERM DISTRIBUTORS OR QUALIFIED ELECTRONICS TECHNICIANS!!**

**SHOCK HAZARD:** Always turn off the power, unplug the cord and wait 5 minutes before removing any power supply cover. If the power supply is directly connected to a line disconnect switch, place switch in the OFF position. In the U.S., use a "lock-out / tag-out" procedure until the service or maintenance work is complete. In other countries, follow appropriate local or national safety procedures.

Part No.	Description
128145	Kit: Pmx1100 50' Work Cable
123248	Cable w/Clip: Pmx1100, Work 50'

1. Disconnect the power.
2. Remove the screws that secure the cover to the chassis - Fig. 1.
3. Remove the cover.
4. Locate the control board located at the top of the unit - Fig. 2.

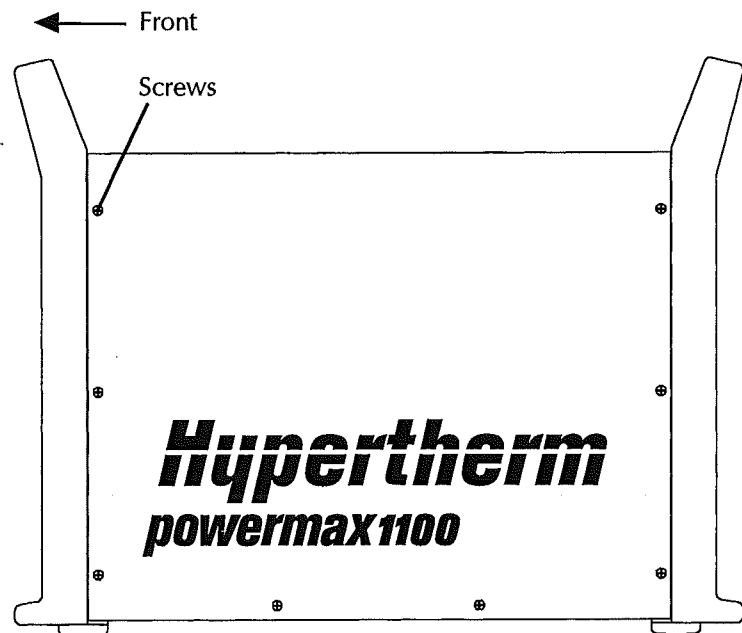


Figure 1 Cover Removal

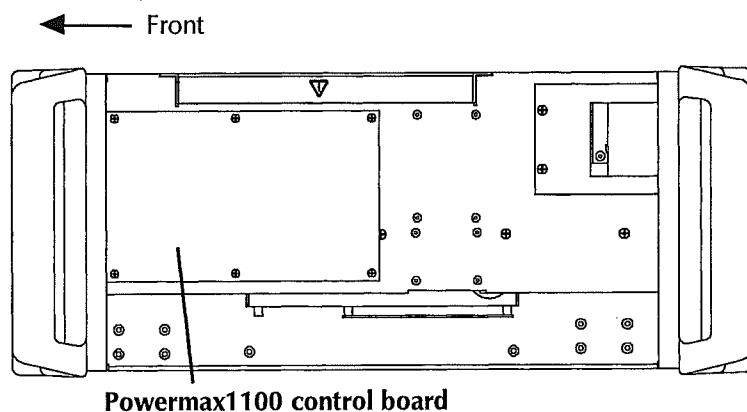


Figure 2 Top View - Powermax1100 without Cover

## Installation of Work Cable to **powermax1100** sheet 2 of 2

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5. Unscrew and remove the old work cable lead from the control board - Fig. 3.
6. Untie the knot in the work cable and remove the plastic washer. Do not discard the washer.
7. Loosen the rear strain relief nut behind the front panel and pull the old work cable and strain relief from the power supply - Fig. 4.

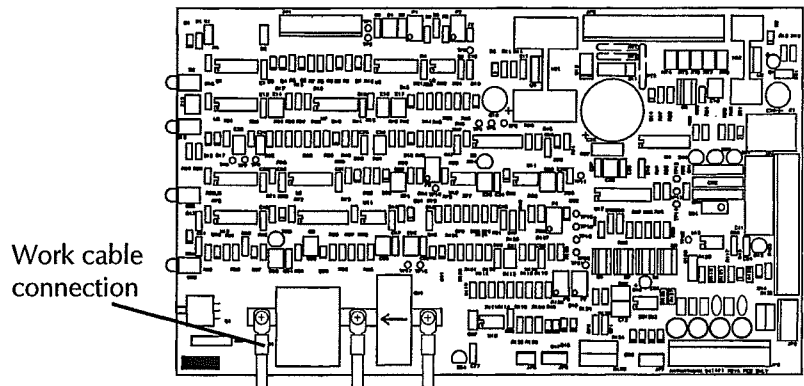


Figure 3 - Powermax1100 Control Board with Work Cable Connected

8. Remove the rear strain relief nut on the new cable and press the strain relief into the hole in the front panel - Fig. 4.
9. Thread the rear strain relief nut onto the strain relief behind the front panel to secure the cable assembly to the power supply.
10. Allow approximately 2 ft (.6 m) of cable to reach the control board, and thread cable lead through the plastic washer.
11. Tie a knot with the cable behind the plastic washer.

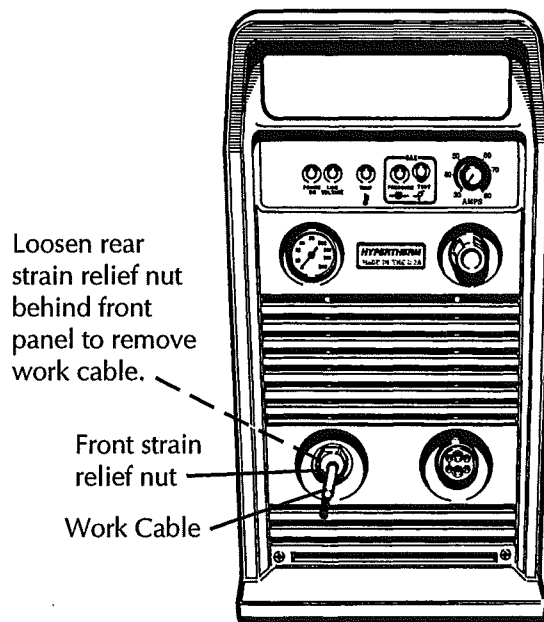


Figure 4 - Feed Work Cable Through Front of Powermax1100

12. Route the work cable through the hole in the chassis interior wall - Fig. 5.
13. Attach the work cable to the control board - Fig. 3.
14. Tighten the front strain relief nut - Fig. 4.
15. Replace the power supply cover and secure with screws.

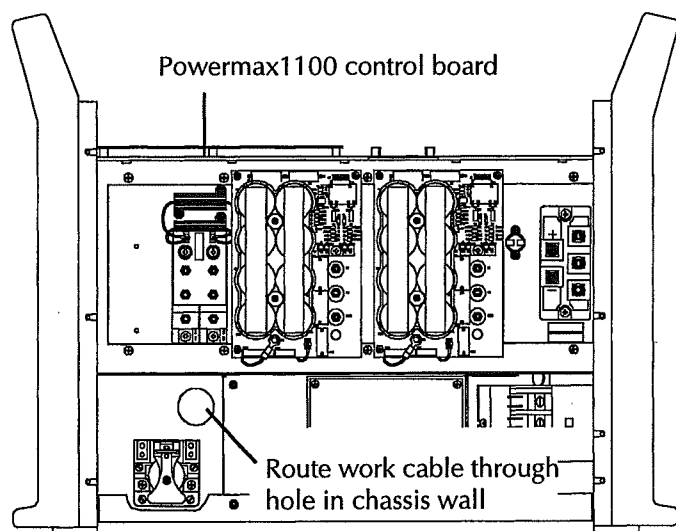


Figure 5 - Route Work Cable Through Chassis Wall

Installation is complete. Refer to Powermax1100 operator manual IM273 (802730) for additional operation information.