

powermax800[®]

powermax900[®]

Work Cable Installation

Kit: 028907

Field Service Bulletin

IM-237

(P/N 802370)

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Installation of Work Cable to *powermax800* or *powermax900*

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WARNING



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

SHOCK HAZARD: Always turn off power, unplug cord from wall and wait 5 minutes before removing cover of the power supply! If power unit is directly connected to a line disconnect box, place line disconnect switch to OFF position. Lock out and tag out switch before proceeding!

1. Disconnect power from the Powermax.
2. Remove the screws (075467) that secure the cover to the chassis - Fig. 1.
3. Remove the cover.

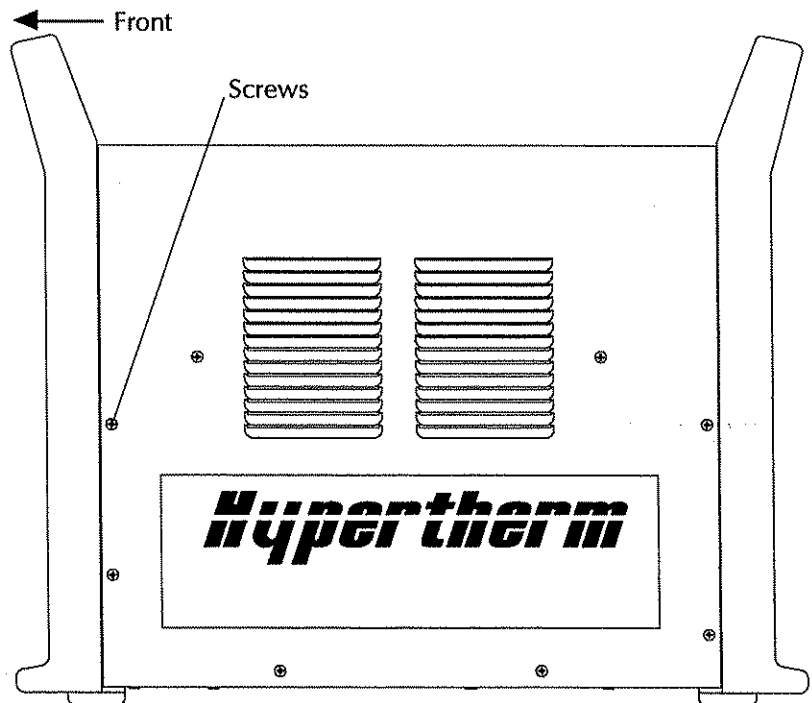


Figure 1 Cover Removal

4. Locate the control board located at the top of the power supply - Fig. 2.

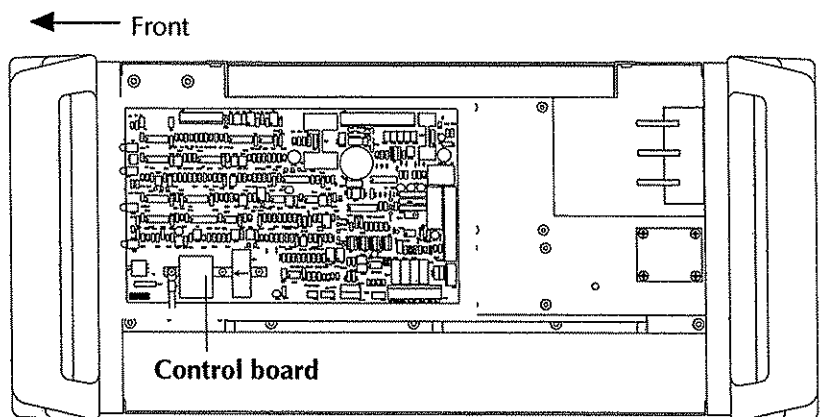


Figure 2 Top View - Powermax800 w/o Cover

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5. Unscrew and remove the old work cable lead from the control board - Fig. 3.
6. Untie knot in the work cable and remove the plastic washer. Do not discard the washer.
7. Loosen the strain relief nut located behind the front panel and pull the old work cable and strain relief from the power supply - Fig. 4.
8. Remove the strain relief nut on the new cable and press strain relief into the hole in the front panel - Fig. 4.
9. Thread the strain relief nut onto the strain relief 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 the cable lead through the plastic washer.
11. Tie a knot with the cable behind the plastic washer.
12. Route the work cable through the hole in 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.

Installation is complete. Refer to Powermax800 operator manual (802270) or Powermax900 operator manual (803080) for additional operation information.

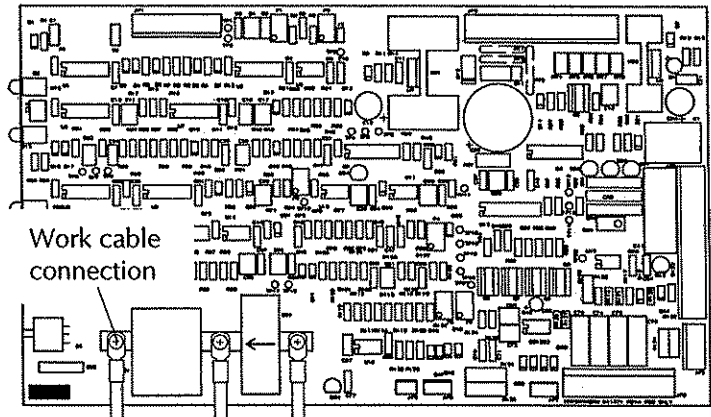


Figure 3 - Control Board with Work Cable Connected

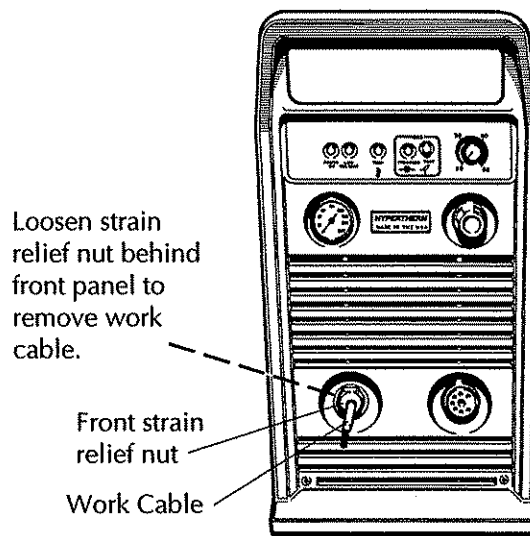


Figure 4 - Feed Work Cable Through Front of Power Supply

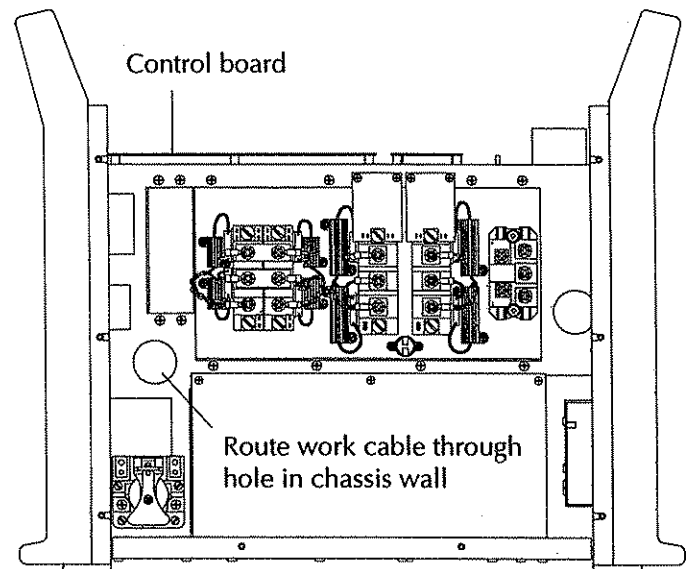


Figure 5 - Route Work Cable Through Chassis Wall