

# ***PowermaxEDGE Wire Harness Kit***



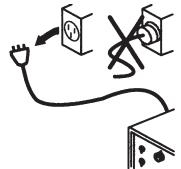
**Field Service Bulletin**

**Bulletin de service sur le terrain**

***805500 – Revision 0 – May, 2007***

***Hypertherm®***



		<p><b>DANGER</b> ELECTRIC SHOCK CAN KILL</p>
	<p>Disconnect electrical power before performing any maintenance. See <i>Section 1</i> of the Operator Manual for more safety precautions.</p>	

## Introduction

### Purpose

Explains how to replace the standard wiring harness on a Powermax1000<sup>®</sup>, Powermax1250<sup>®</sup>, or Powermax1650<sup>®</sup> with the wire harness needed to operate the PowermaxEDGE.

### Tools and materials needed

T10 Torx screwdriver  
Flat blade screwdriver  
Phillips screwdriver

### Kit 228169

#### Kit contents

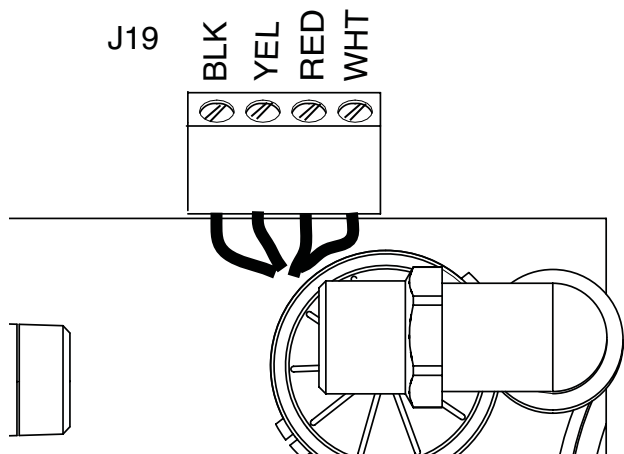
Part number	Description	Qty
123892	Cable: machine interface w/v-div	1

## Introduction

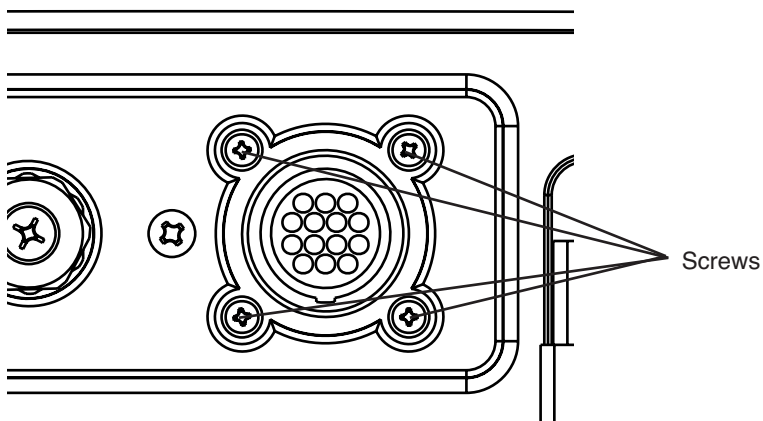
To use a Powermax1000, Powermax1250, or Powermax1650 that was not purchased as part of a PowermaxEDGE bundle with the PowermaxEDGE, you must replace the standard wire harness with a PowermaxEdge wire harness.

## Remove the existing wire harness

1. Turn OFF the power, disconnect the power cord, and disconnect the gas supply.
2. Remove the 12 screws from the cover and lift the cove off the power supply.
3. Loosen the screws connecting the white, red, yellow, and black wires from the wire harness to the power board at J19. Disconnect the wires.



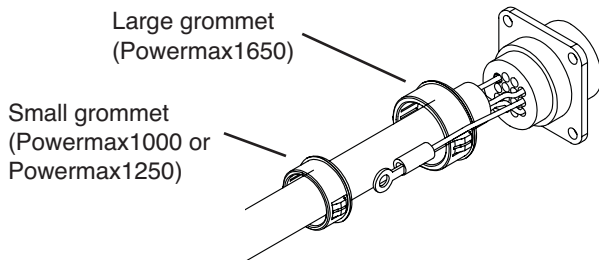
4. On the outside of the rear panel, remove the 4 screws securing the plug end of the wire harness to the rear panel. Take care not to lose the nuts and washers.



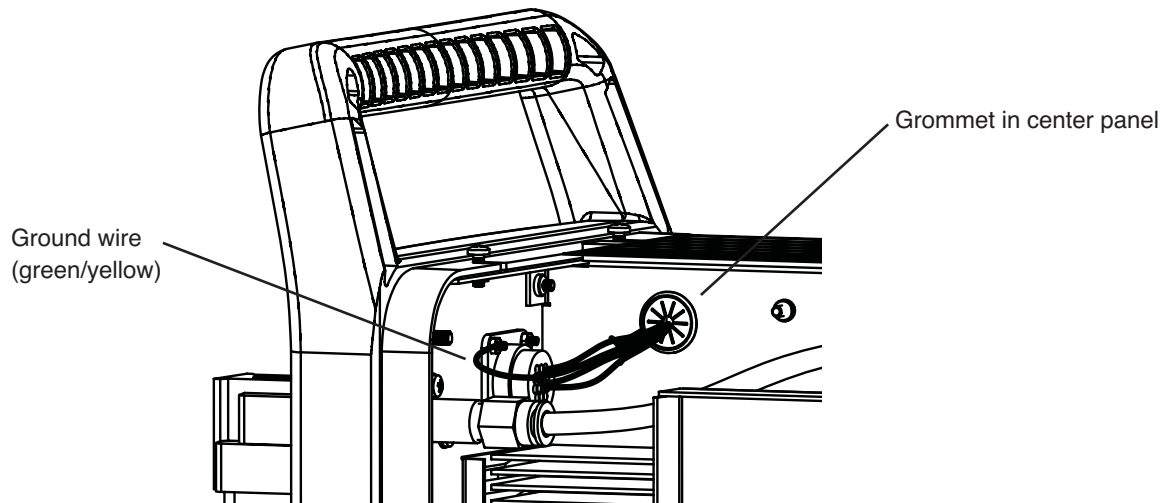
5. Carefully pull the white, red, yellow, and black wire group through the grommet near the top of the center panel and then remove the wire harness from the power supply.
6. Remove the old grommet from the center panel.

## Install the PowermaxEDGE wire harness

The PowermaxEDGE wire harness is shipped with two grommets already in place. If you are installing it in a Powermax1650, cut the smaller of the two and remove it before beginning the installation. If you are installing it in a Powermax1000 or Powermax1250, remove the larger one.



1. Thread the wires through the hole in the rear panel and then through the hole in the center panel to the power board side of the power supply.
2. Position the grommet in the hole in the center panel and press it into place.



3. Route the wire group between the center panel and the power switch, then down along the side of the power board and across the bottom of the power supply to J19.
4. Connect the wires to J19 with the screws you removed earlier. The order of the wires from left to right, as marked on the power board, is black, yellow, red, and white.
5. Put one of the 4 retention screws into the hole in the top right corner of the wire harness plug. Slide the green ground wire's ring connector over the post, then tighten the nut onto the screw.
6. Insert the remaining 3 screws and washers you removed earlier and tighten the nuts onto the posts.
7. Replace the cover and secure it with the 12 screws.
8. Reconnect the gas supply and the electrical power.



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