

***Power Distribution Board Replacement
in 208 VAC Power Supplies
HyPerformance Plasma Systems
Field Service Bulletin***



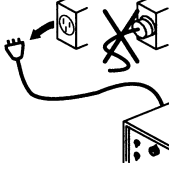
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HPR POWER DISTRIBUTION BOARD REPLACEMENT IN 208 VAC POWER SUPPLIES

		WARNING ELECTRIC SHOCK CAN KILL
	Disconnect electrical power before performing any maintenance. See the <i>Safety</i> section of the plasma system Manual for more safety precautions.	

Introduction

Purpose

The 200/208 VAC system has been calibrated at the factory for a nominal 200 VAC, 3-phase input. The power supply is designed with a safety shutoff that turns off the system if the input line voltage varies more than +/- 15%. Manufacturing tolerances may cause the power supply to turn off and report an error code when the input line voltage only varies +/- 10% of 200 VAC. For example, a 208 VAC installation may not be able to operate when the line voltage is above 220 VAC (6% above 208 VAC).

The 041929 power distribution board for 208 VAC is calibrated for 208 VAC systems only. It allows the system to operate at +/- 10% of 208 VAC.

Note: This kit is only applicable if all of the following conditions are met

1. You have an HPR130 or HPR260 plasma system.
2. The power supply is a 200/208 VAC system connected to a 208 VAC, 3-phase input.
3. The power supply is reporting error code number 47 (high line voltage).
4. The phase-to-phase line voltage measured at the terminal block (TB1) is less than 229 VAC.
5. The voltage at receptacle J2, on PCB2, is 1.82 VDC or greater between pin number 1 and 2.

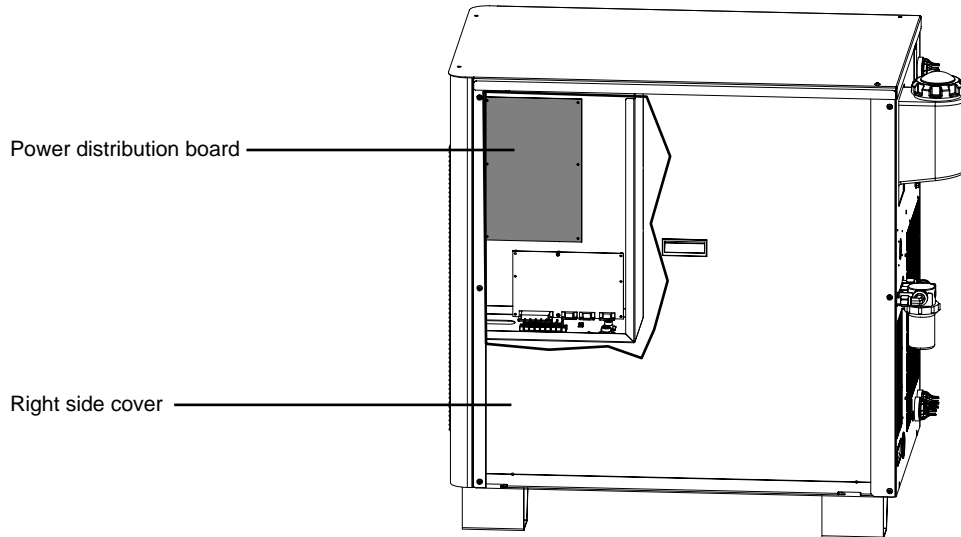
Kit 228024 Contents

Part Number	Description	Qty
041929	Power distribution board for 208 VAC	1

Replacement

1. Turn OFF all power to the system.
2. Remove the right side cover to access the power distribution board.
3. Remove the existing power distribution board (041802) and install the new board (041929).
4. Replace the right side cover and turn ON the power.

Installation is complete.



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