



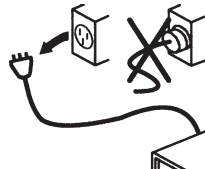
PMX1650

CE Power Switch Replacement

Field Service Bulletin

804490 – Revision 1 – December, 2010

Hypertherm®

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

Introduction

Purpose

Describes necessary steps to replace a damaged power switch on a PMX1650 power supply.

Tools And Materials Needed

Phillips head screw driver.

Flat blade screwdriver.

Channel lock pliers.

Kit 128738 Contents

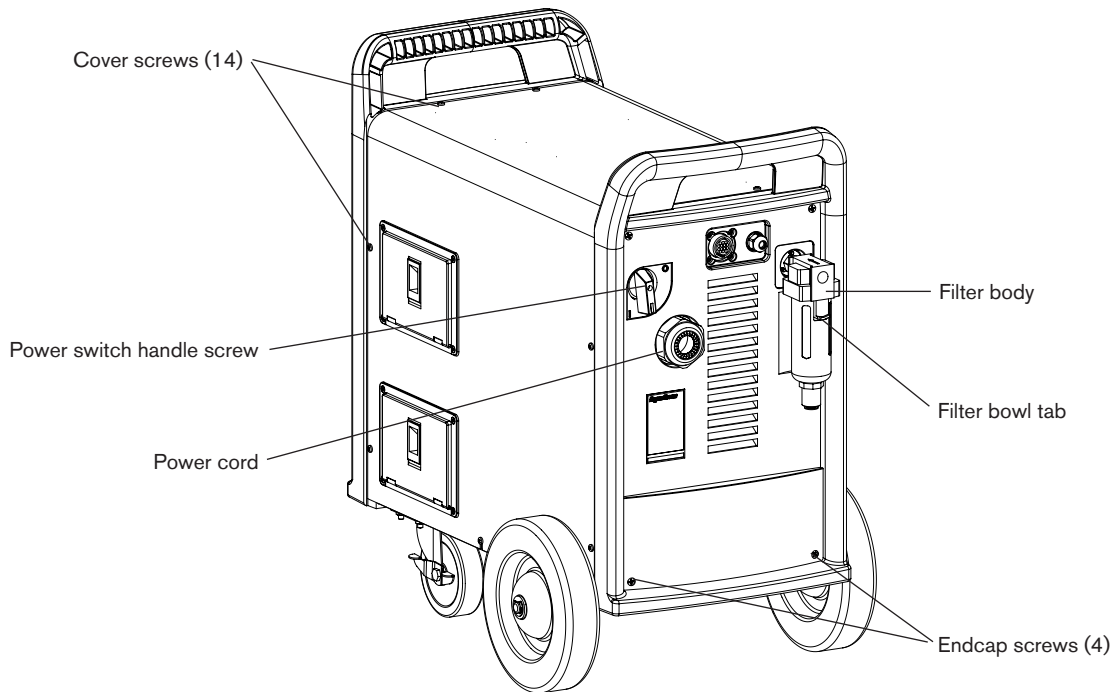
Item	Part Number	Description	Qty
1	005259	600VAC 80A power switch	1
2	108211	Handle	1

Kit 128761 Contents

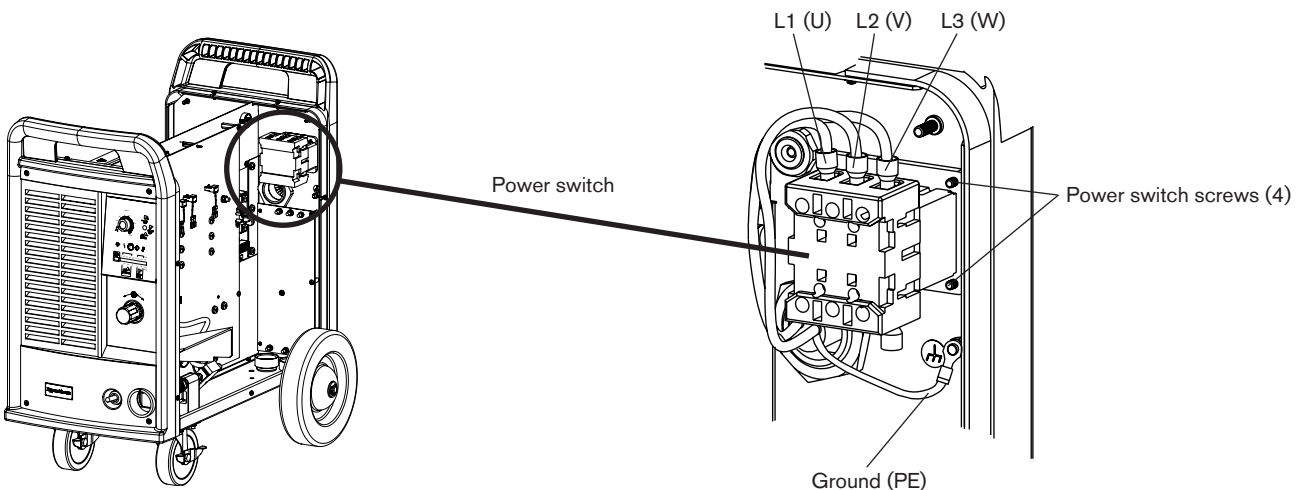
Item	Part Number	Description	Qty
1	005259	600VAC 80A power switch	1
2	010613	"U" Label	1
3	010614	"V" Label	1
4	010615	"W" Label	1
5	108211	Handle	1

Remove damaged power switch

1. Disconnect electrical power and gas supply.
2. Remove the plug from the end of the power cord if applicable.
3. Remove filter bowl. Pull tab down, turn bowl 1/4 turn and remove.
4. Remove filter body from power supply using channel lock pliers.
5. Remove power switch handle screw and remove handle.
6. Remove cover screws (14) and remove cover.
7. Remove endcap screws (4) and remove endcap.

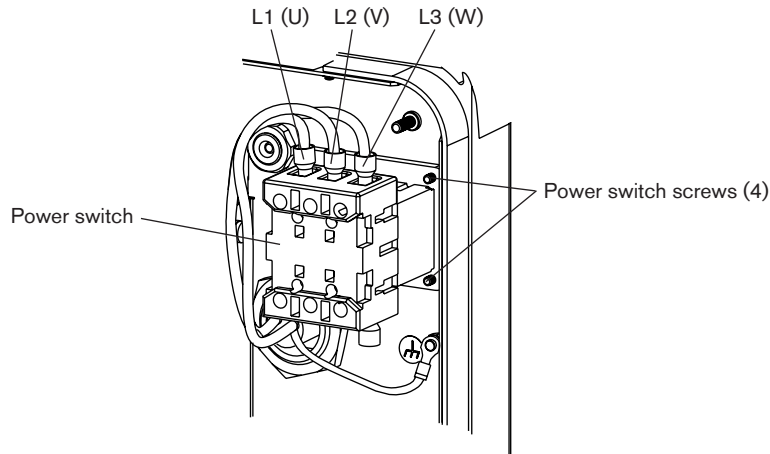


8. Remove L1(U), L2(V), L3(W) wires from power switch.
9. Remove power switch screws and discard damaged power switch.



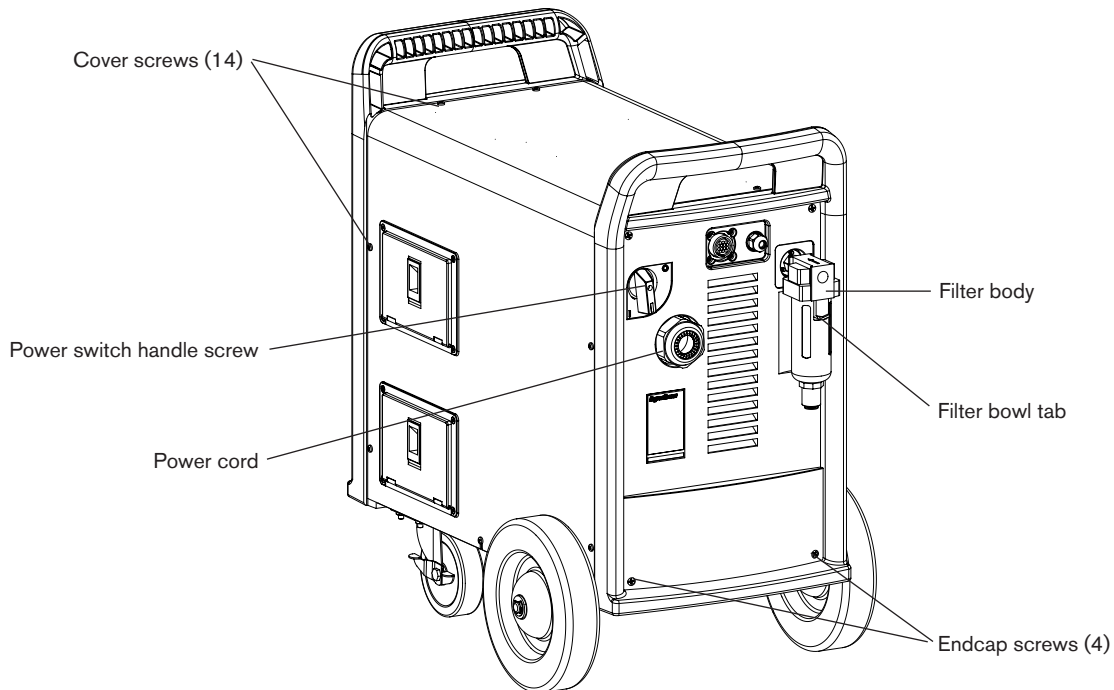
Install new power switch

1. Install the new power switch and secure with screws (4). For CE units, apply the “U” label near the “L1” marking, the “V” label near the “L2” marking, and the “W” label near the “L3” marking.
2. Connect power cord as shown below.



	Standard unit	CE unit
L1	Black	Black (U)
L2	White	Blue or gray (V)
L3	Red	Brown (W)
PE	Green	Green/yellow

3. Install endcap and secure with endcap screws (4).
4. Install cover and secure with cover screws (14).
5. Install power switch handle and secure with screw.
6. Attach filter body to power supply using channel lock pliers.
7. Attach filter bowl to filter body.
8. Attach plug to end of power cord if applicable.
9. Connect electrical power and gas supply.



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