

Product Safety Precaution: Electric Welding / Cutting Operations on Vehicles with InPower LLC Solid State Power Switch Devices

Products Affected

PCM804 (Thomas Built Bus Part # 61201904)	
DCC 150-150	SSC 150-150
DCC 75-200	SSC 75-200
DCC 75-75	SSC 75-75
DCC 75-150	SSC 75-150

Instructions

The InPower LLC Solid State Power Switching Module **MUST BE DISCONNECTED** prior to any **ELECTRIC WELDING** operations being performed on a vehicle (Electric Welding also includes Arc Welding and Plasma Welding).

Disconnecting the vehicle's battery(s) alone is insufficient protection for the electronics.

Failure to follow this procedure can result in permanent damage to, and the subsequent malfunction of the Power Switch.

Perform the Following Operations in Order:

1. Disconnect the Vehicle's Battery (follow the vehicle-manufacturer guidelines)
2. Disconnect the Control Cable (J1)
3. Disconnect the 2 Output Lines, labeled as follows depending on the model:

PCM804	- P10B & P12B
DCC UltraSwitch	- Switch A Out & Switch B Out
SSC UltraSwitch	- Switch A Out & Switch B Out

When the welding processes are completed, the InPower LLC products may be reconnected as per their specific installation instructions.

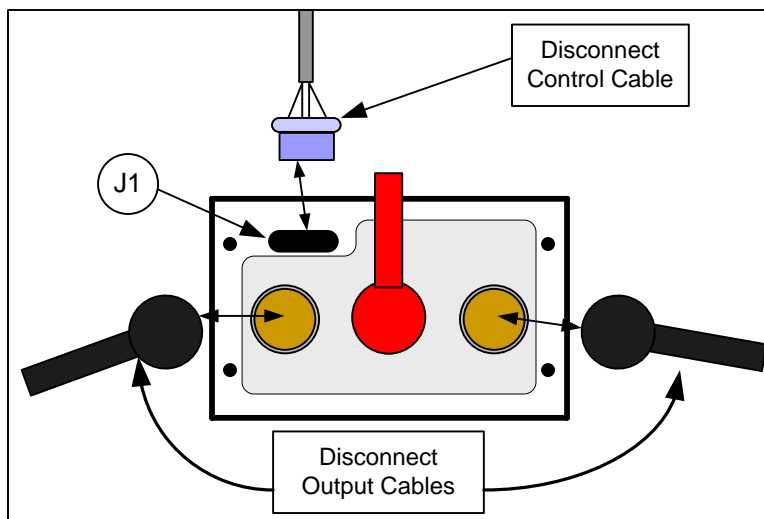


Figure 1
Disconnecting
the Power
Switch

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Warranty Statement

InPower LLC's warranty does not cover any InPower product damage which is determined to have been caused by Electric Welding.

InPower LLC will NOT be held liable for any damage to any vehicle, or injury to any person, resulting from the use (or misuse) of any InPower LLC products damaged by Electric Welding.

Safety Precautions

Read and understand the installation and maintenance instructions for your particular Power Switch Module.

Follow all vehicle-manufacturer safety instructions for your particular vehicle.

Wear appropriate safety equipment, such as protective eyeglasses, face shield, and clothing when disconnecting or installing equipment and handling the battery.

Be careful when working near a battery. Make sure the area is well ventilated and that there are no flames near the battery. Never lay objects on the battery that can short the terminals together. If battery acid gets in your eyes, immediately seek first aid. If acid gets on your skin, immediately wash it off with soap and water.

Sources and Additional Materials

Arc-Welding Fundamentals, Lincoln Electric, www.lincolnelectric.com, 1994.

Ford QVE Bulletin: Q-123, Aftermarket Plasma Cutting / Welding Operations on F250-550 Trucks. Ford Special Vehicle Engineering – Body Builders Advisory Service, 2005.

Owners Manual OM-19C, InPower UltraSwitch Electronic DC Contactor Models. InPower LLC, www.inpowerdirect.com, 2004.