

---

# Technical Information Bulletin

*SLM Electronics, Inc. Saint Louis, Missouri, USA*

---

October 11, 2005

#TIB0015

## **Purpose:**

This Technical Information Bulletin (TIB) provides guidelines for modifying the output section of the SVP-CL circuit.

## **Description:**

The SVP-CL has been modified to provide increased output level. This TIB describes the process for performing this modification.

## **Serial Numbers Affected:**

### **SVPCLa**

D5JDQ30001 – D5JDQ79999

### **SVPCLaJ**

D5KJQ30001 – D5KJQ79999

### **SVPCLaU**

D5LUQ30001 – D5LUQ79999

### **SVPCLaW**

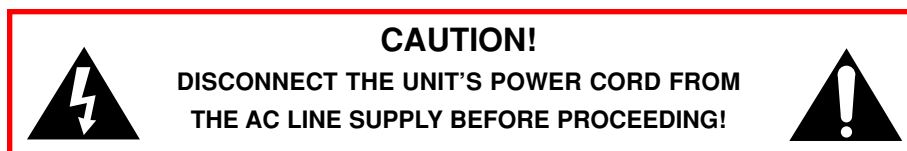
D5MWQ30001 – D5MWQ79999

## **Parts Needed:**

- (1 each) 100k ohm 1/4W 5% resistor (SLME #76-104-01)
- (2 each) 6.81k ohm 1/2W 1% resistor (SLME #77-682-02)
- (1 each) 825 ohm 1/2W 1% resistor (SLME #77-821-02)
- (1 each) 39k ohm 2W 5% resistor (SLME #78A393-21)
- (1 each) 68k ohm 1/4W 5% resistor (SLME #76-683-01)
- (1 each) 250k ohm linear potentiometer (SLME #70-306-70)

## **Tools Needed:**

- #2 phillips screwdriver
- needle nosed pliers
- 3/8", 7/16", 1/2" nut drivers
- soldering iron / solder
- solder wick
- X-Acto knife



# Technical Information Bulletin

SLM Electronics, Inc. Saint Louis, Missouri, USA

## Action:

1) Remove the 10 top cover screws (see Figure 1).



Figure 1: Remove top cover screws

2) Remove the knobs and mounting nuts from the front panel pots. Remove the mounting nut from the input jack (see Figure 2).

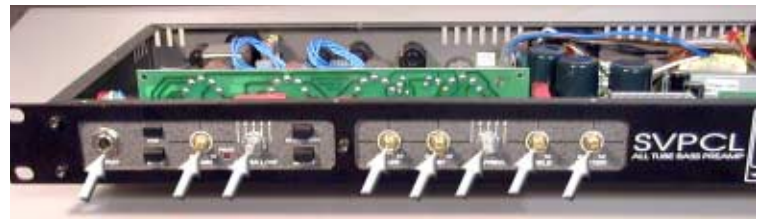


Figure 2: Remove front panel knobs, nuts

3) Disconnect the wiring harnesses from J11, J10, and J14. Remove the four PCB mounting screws (see Figure 3).



Figure 3: Disconnect harnesses, remove PCB screws

5) Locate, unsolder and remove the following components: R57, R72, R70, R65, R64, R68, and P5 (see Figures 4 and 5). Use the X-Acto knife to cut away any RTV shock mount material which may be in the way. ***Remove only enough of the material to allow removal of the affected components!***

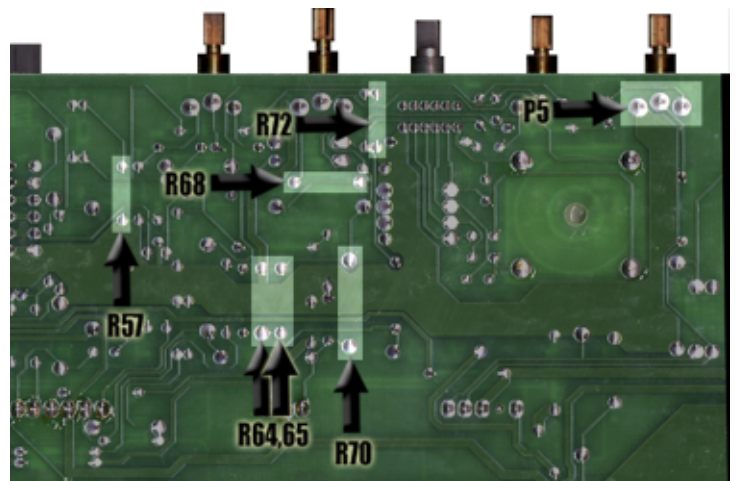


Figure 4: Locations of components to remove - also see figure 5

# Technical Information Bulletin

SLM Electronics, Inc. Saint Louis, Missouri, USA

6) Install the replacement components in the proper locations as indicated in the chart below. Mount each component as flush to the PCB as possible. Clip and solder all resistor leads. Solder the potentiometer leads.

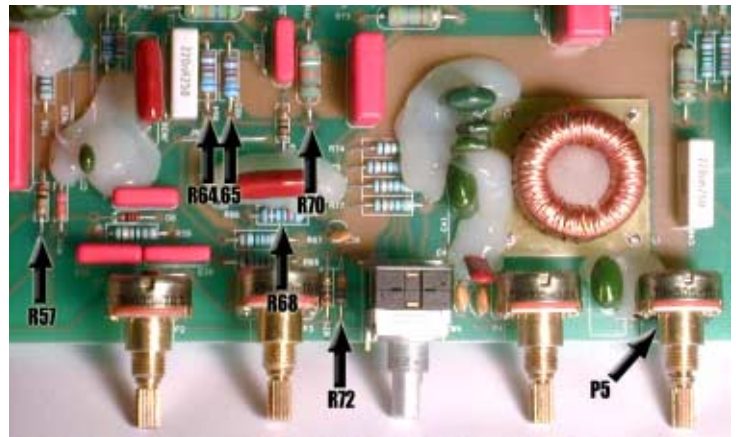


Figure 5: Locations of replacement components - also see Figure 4

| LOCATION | DESCRIPTION                   | SLME PART NUMBER |
|----------|-------------------------------|------------------|
| R57      | 100K OHM 1/4W RESISTOR        | 76-104-01        |
| R64      | 6.81K OHM 1/2W RESISTOR       | 77-682-02        |
| R65      | 6.81K OHM 1/2W RESISTOR       | 77-682-02        |
| R68      | 825 OHM 1/2W RESISTOR         | 77-821-02        |
| R70      | 39K OHM 2W RESISTOR           | 78A393-21        |
| R72      | 68K OHM 1/4W RESISTOR         | 76-683-01        |
| P5       | 250K OHM LINEAR POTENTIOMETER | 70-306-70        |

7) Reinstall the PCB into the chassis: replace the nylon washers onto SW2 and SW4, replace the lock washer onto the input jack. Align the PCB carefully before replacing the pot and input jack hardware (refer to Figure 2). Install but do not tighten the PCB mounting screws (refer to Figure 4). To assure the PCB is properly reinstalled, tighten the input jack and pot hardware before tightening the PCB mounting screws.

8) Reconnect wiring harnesses J11, J10, and J14.

9) Replace all pot and switch knobs.

10) Reinstall the top cover - the vent holes must go over the tubes, with the foam pad towards the inside of the unit.