



**LOUD Technologies Inc.**

**Date:** 8/17/2008

**Subject:** SRM 150 Service Bulletin

**Author:** Rob Riggs

**Revision History:**

8/17/2010	Initial Draft
	First Revision
	Second Revision

# Rework Procedure: SRM150 Preamp Rev B or earlier

## Tools Needed:

Screwdriver – Philips P1 or P2

Soldering Iron

Sharp tip felt marker

## Materials Needed:

Diodes (2) 1N4148 type

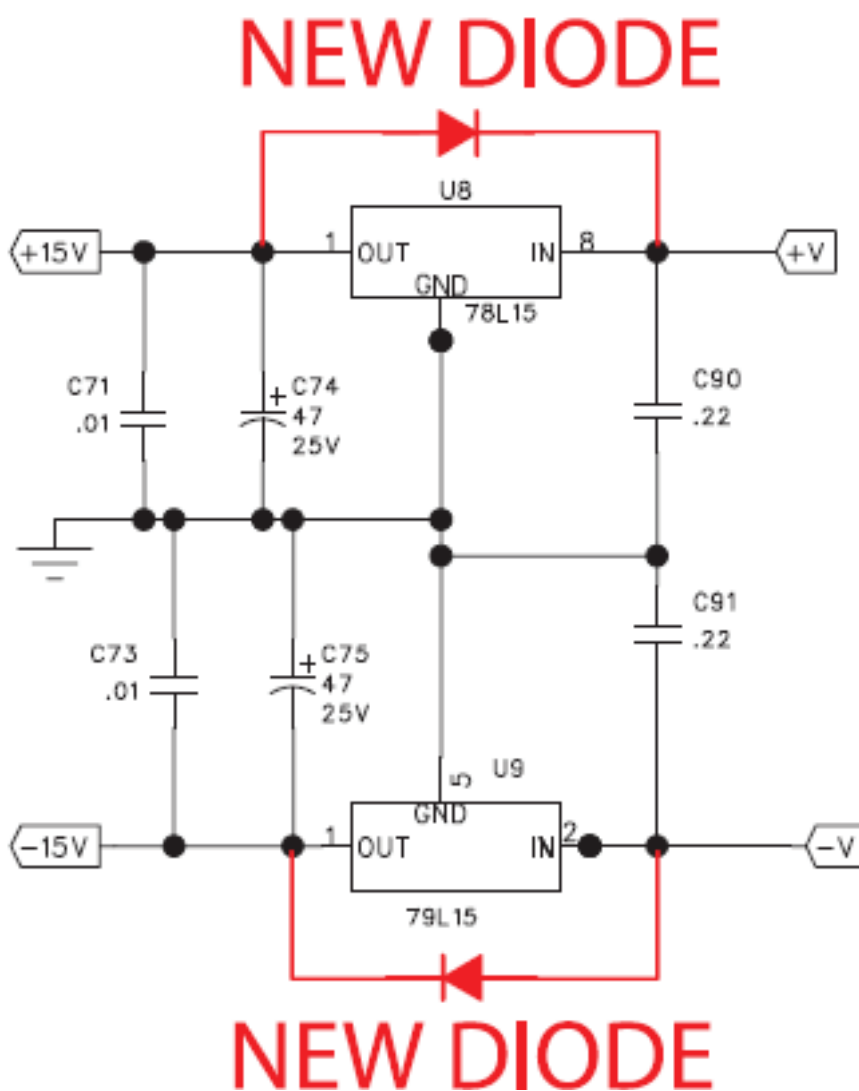
Solder

Silicone adhesive (electronics grade)

Heat shrink tubing (25mm / 1" long)

## Overview of electrical change:

- The intent of this rework is to add diodes around the + 15 vdc and -15 vdc regulators in the preamp of the SRM150. This is a preventative measure to increase the longevity of these regulators. See schematic change below:



b.

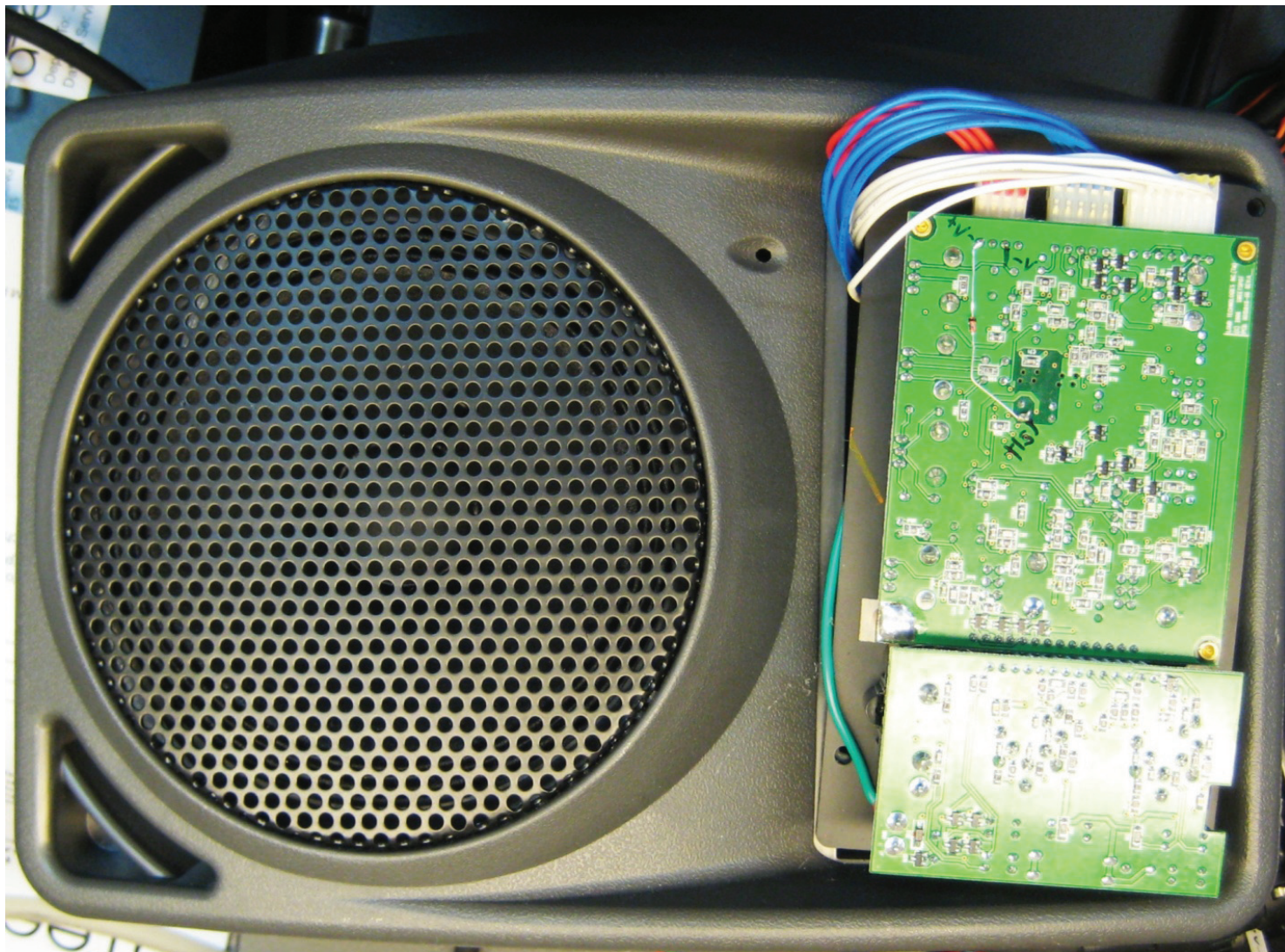
## Procedure

### 1. Preamp Removal:

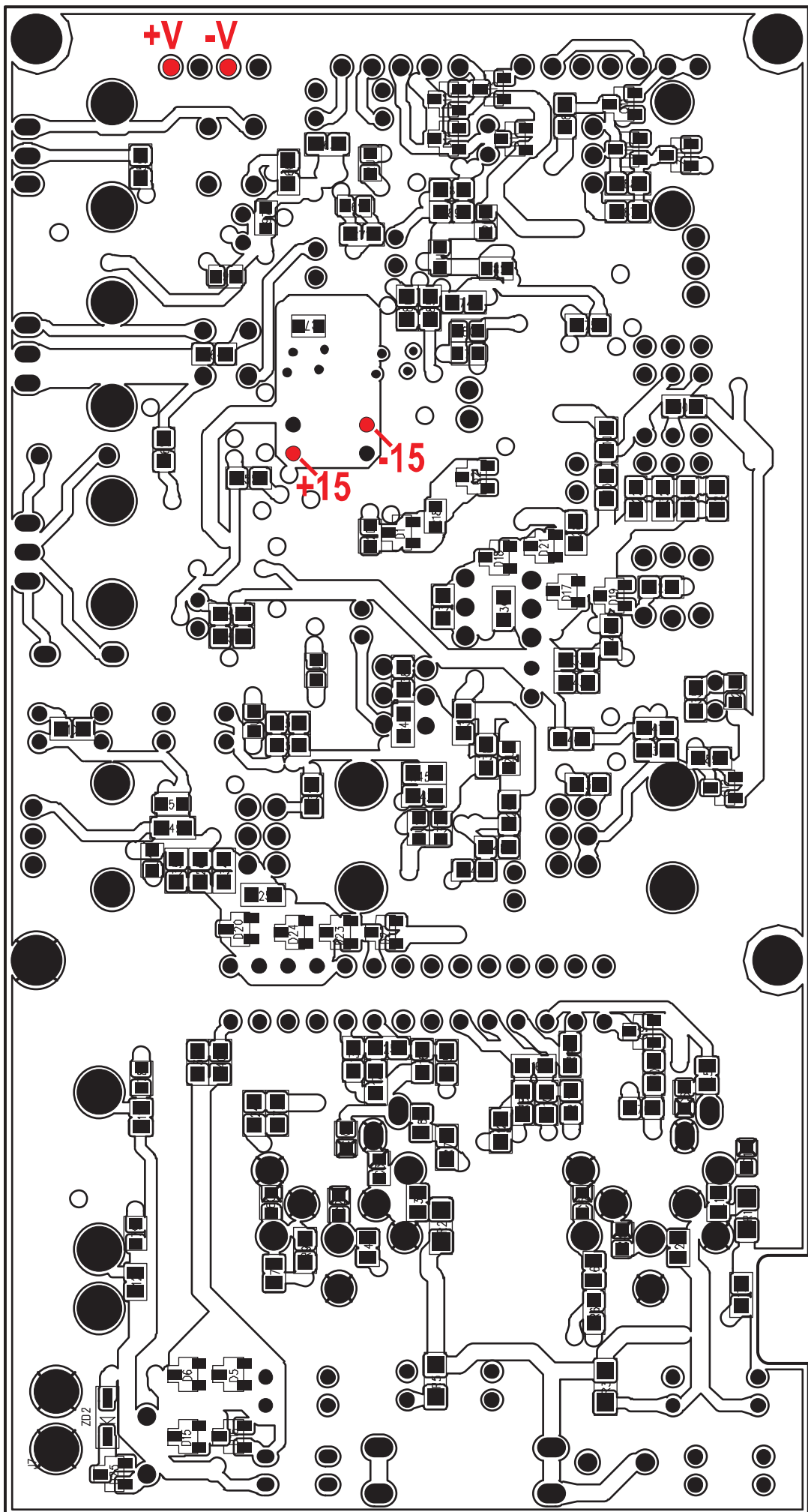
- a. Remove power from SRM150 and set on a stable surface, resting on its heat sink.
- b. Remove four screws as shown.





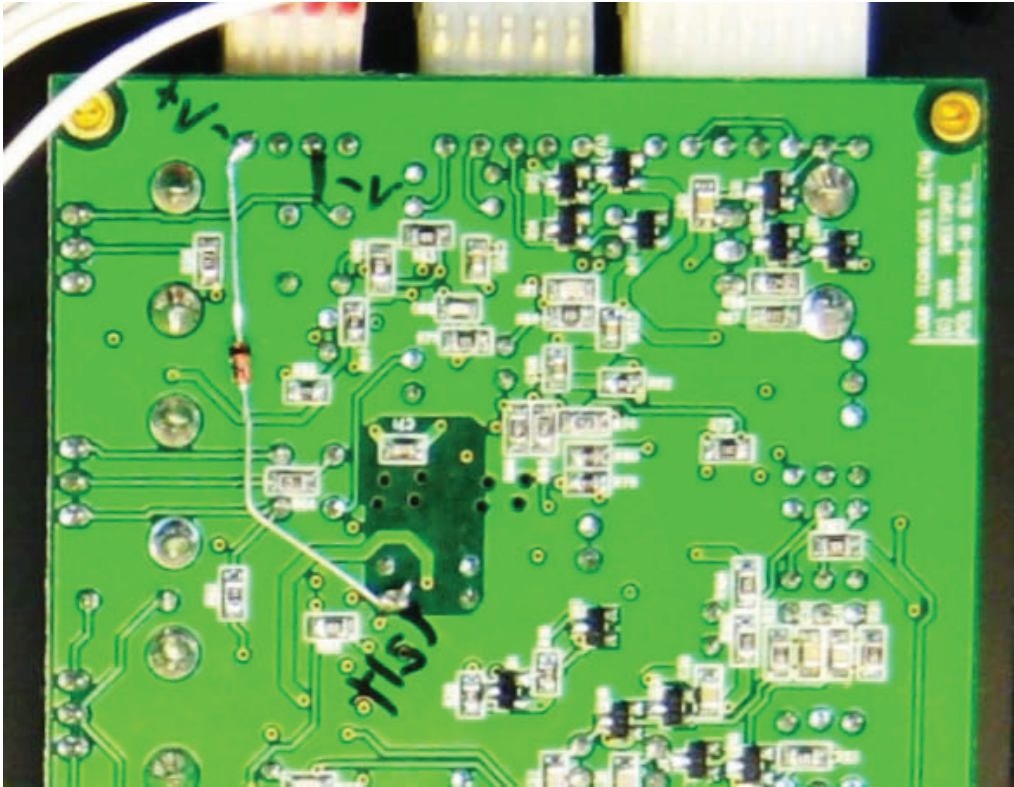


2. Invert Preamp so that rear of PCB is exposed
3. Locate and mark PCB with locations of nets: -V, -15, +V, and +15.

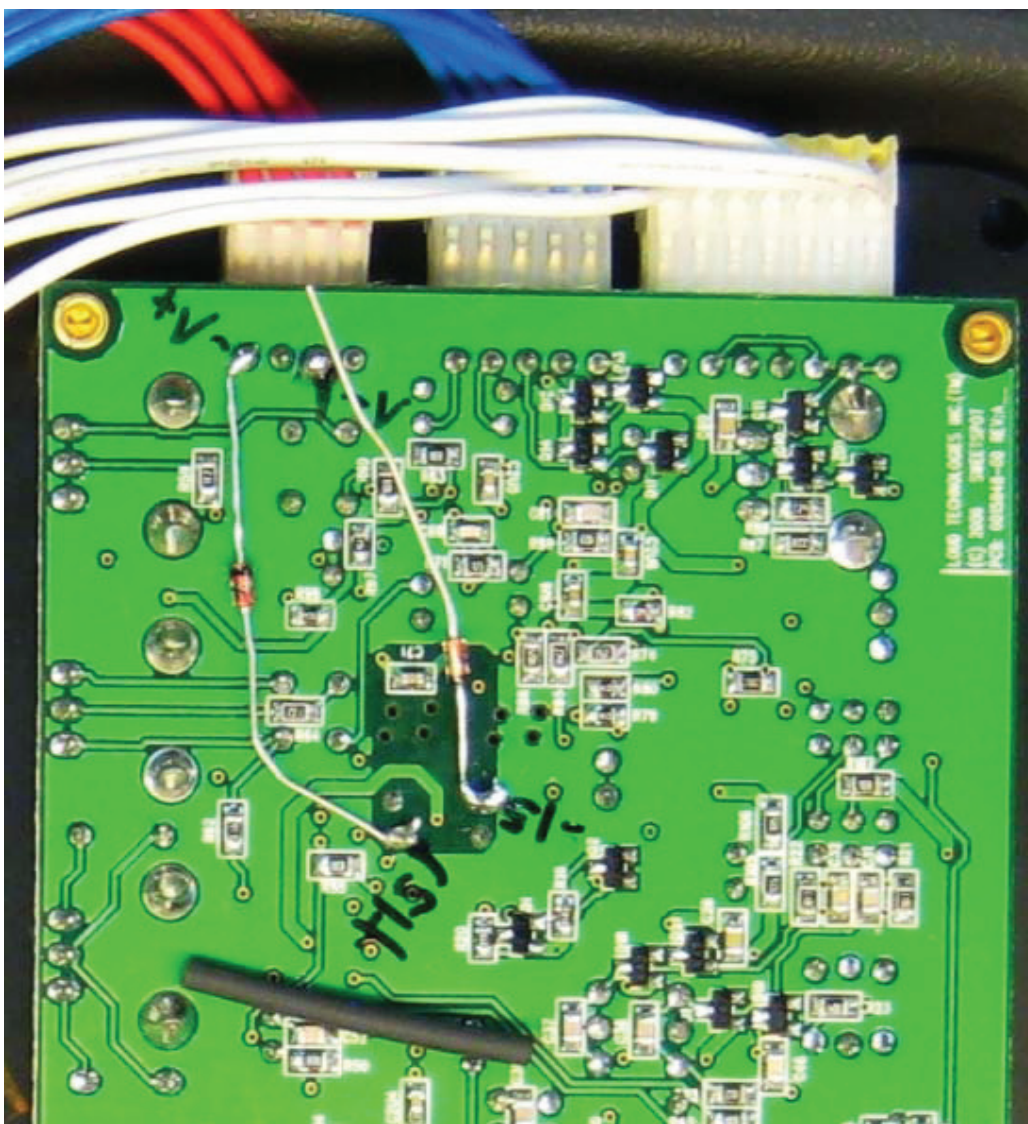




4. Connect 1<sup>st</sup> diode from +V to +15 nets as shown, carefully avoiding any shorts. Note polarity.

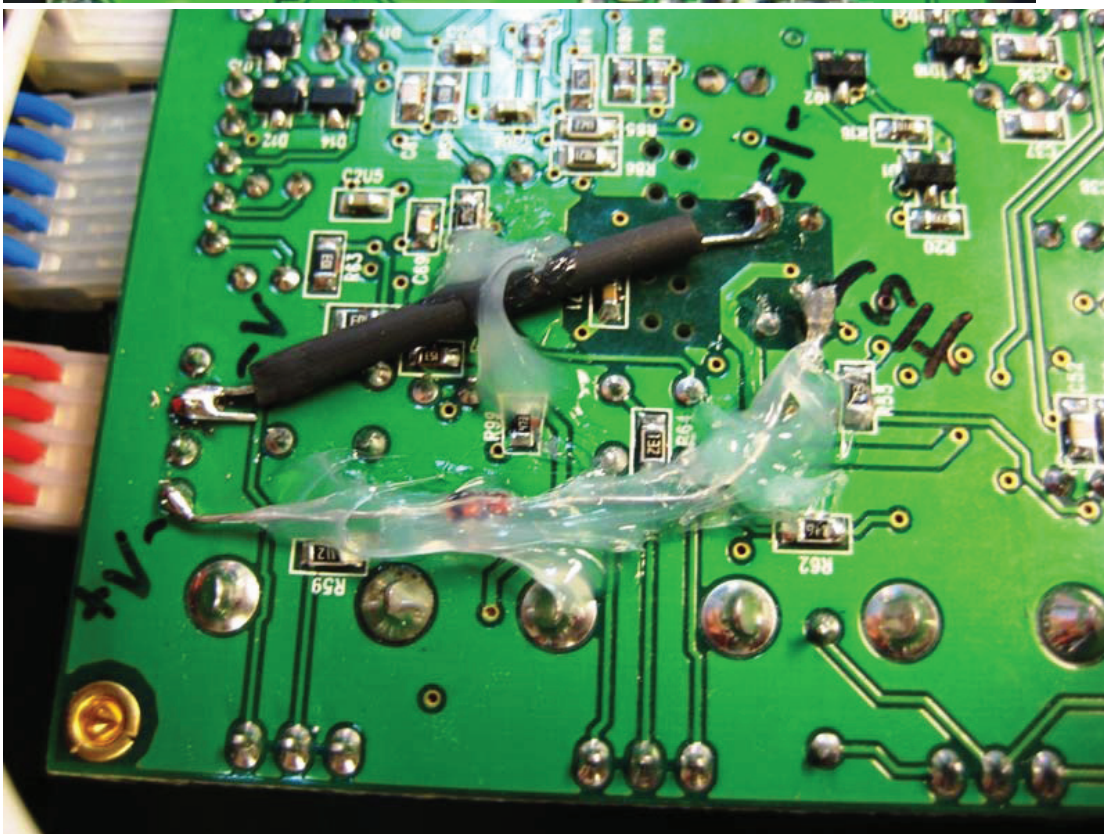
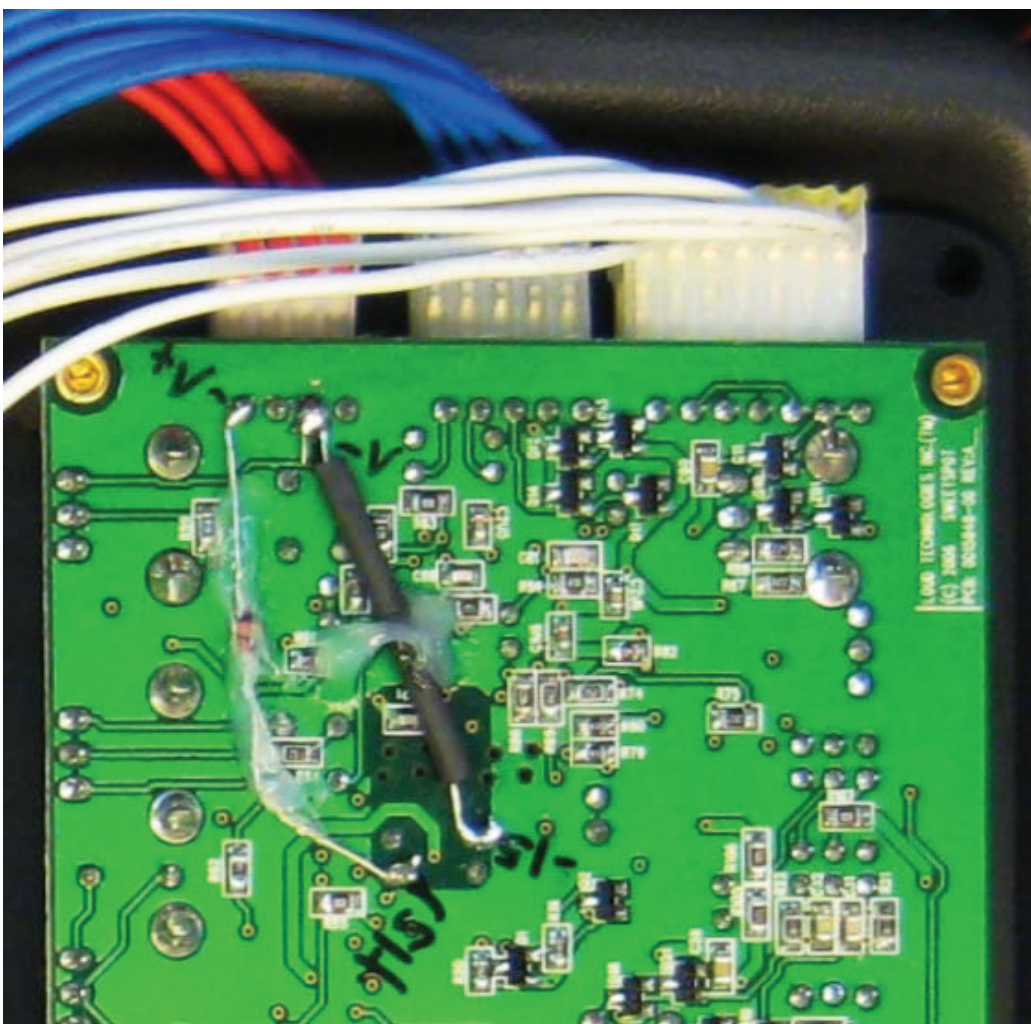


5. Connect 2<sup>nd</sup> diode to -15 net as shown, note polarity.



6. Slip heat shrink over 2<sup>nd</sup> diode and solder to -V net.
7. Secure both diodes with electronics-grade RTV silicone.





8. Replace preamp back to original position and secure with 4 screws.
9. Complete.