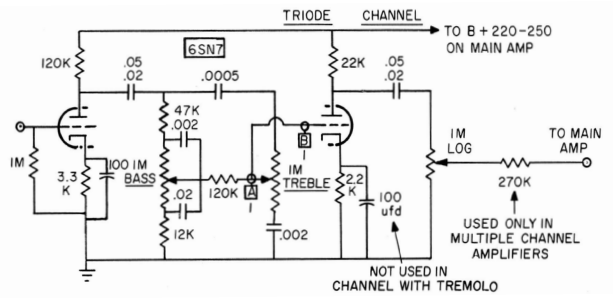




Technical Service Bulletin

ECOWD15989
PF500 TVS Diode replacement. pdf



MODEL(S)

Bulletin: PF500 TVS Diode replacment

2/1/2013

Models affected:

PF500

Symptom:

Power supply failure.

Possible Cause:

TVS Diodes fail due to overvoltage.

Solution:

Replace (TVS Diodes) PN# 0029735 with (1N5404 Diodes) PN# 301-010-01.

Safety Warning:



Caution! These instructions are for use by qualified personnel only. To avoid electric shock, do not perform any service unless you are qualified to do so. Refer all service to qualified personnel.

ESD Warning:



To avoid damage by electrostatic discharge please use ESD precautions.



Tools Required:

- Safety Glasses
- ESD protection
- Phillips Screwdriver
- Soldering iron
- Solder sucker or wick
- Needle nose pliers
- Wire snips
- RoHS compliant solder



Parts Required:

- Qty(2) PN# 301-010-01
Diode Pwr 1N5404 3A 400V PR



Procedure:

1. Disassemble unit, locate and remove board 2034544-XX as seen in figure 1a.

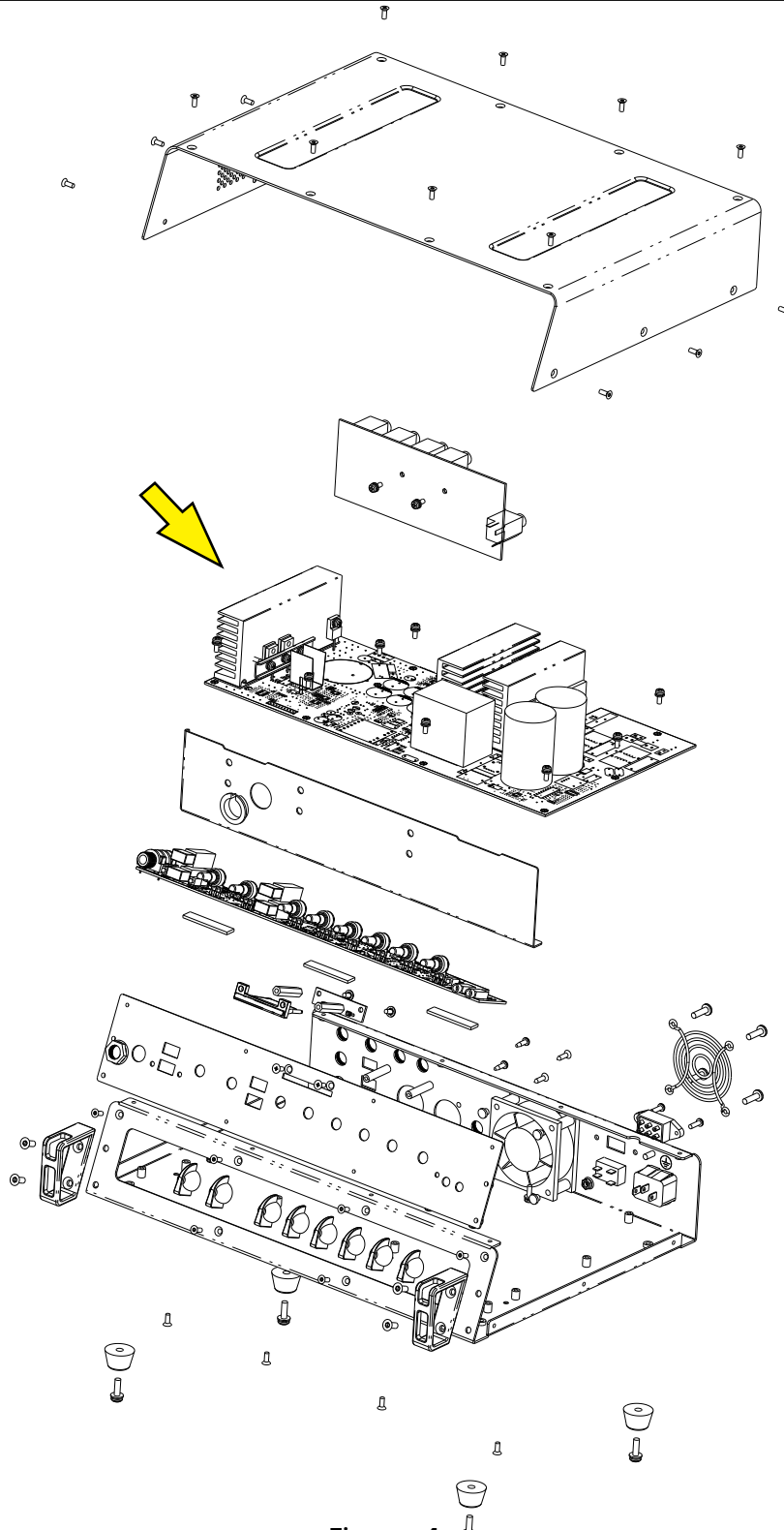


Figure 1a.



2. Place PCB on work appropriate surface and locate diodes D1 and D60. Shown in figures 2a and 2b below. Please take appropriate ESD precautions.

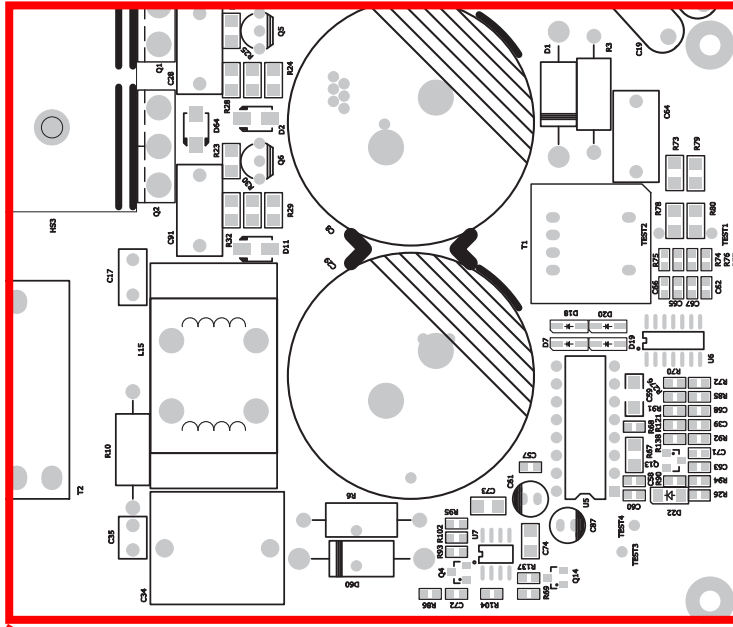


Figure 2a.

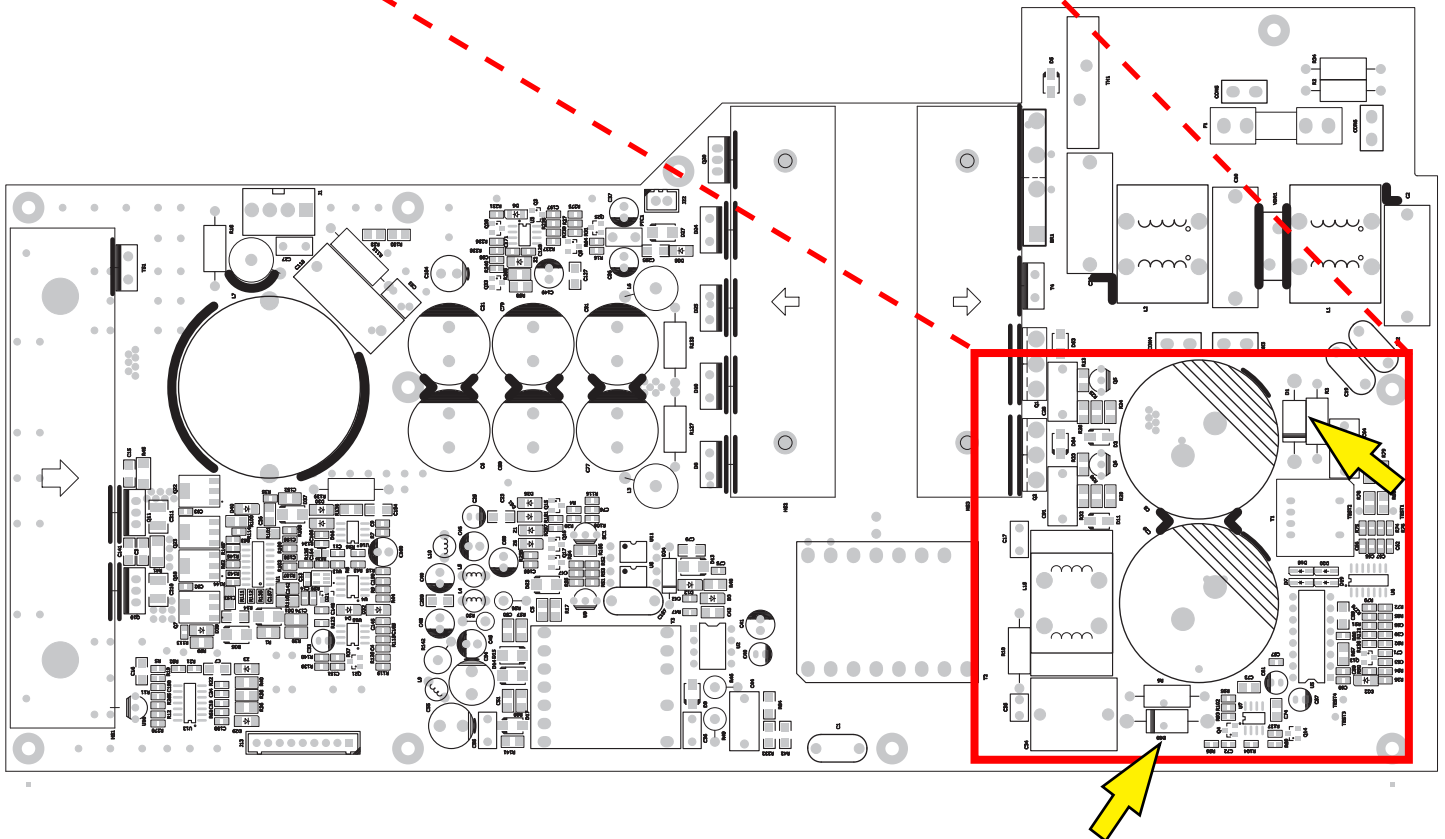


Figure 2b.



3. Carefully remove both TVS diodes located at D1 and D60. Once removed, clean thru holes and prepare the replacement 1N5404 diodes. Seen in figure 3a.



Figure 3a.

4. Solder in new diodes

5. Reassemble and test.
