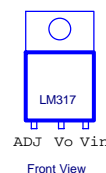
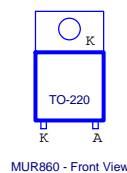
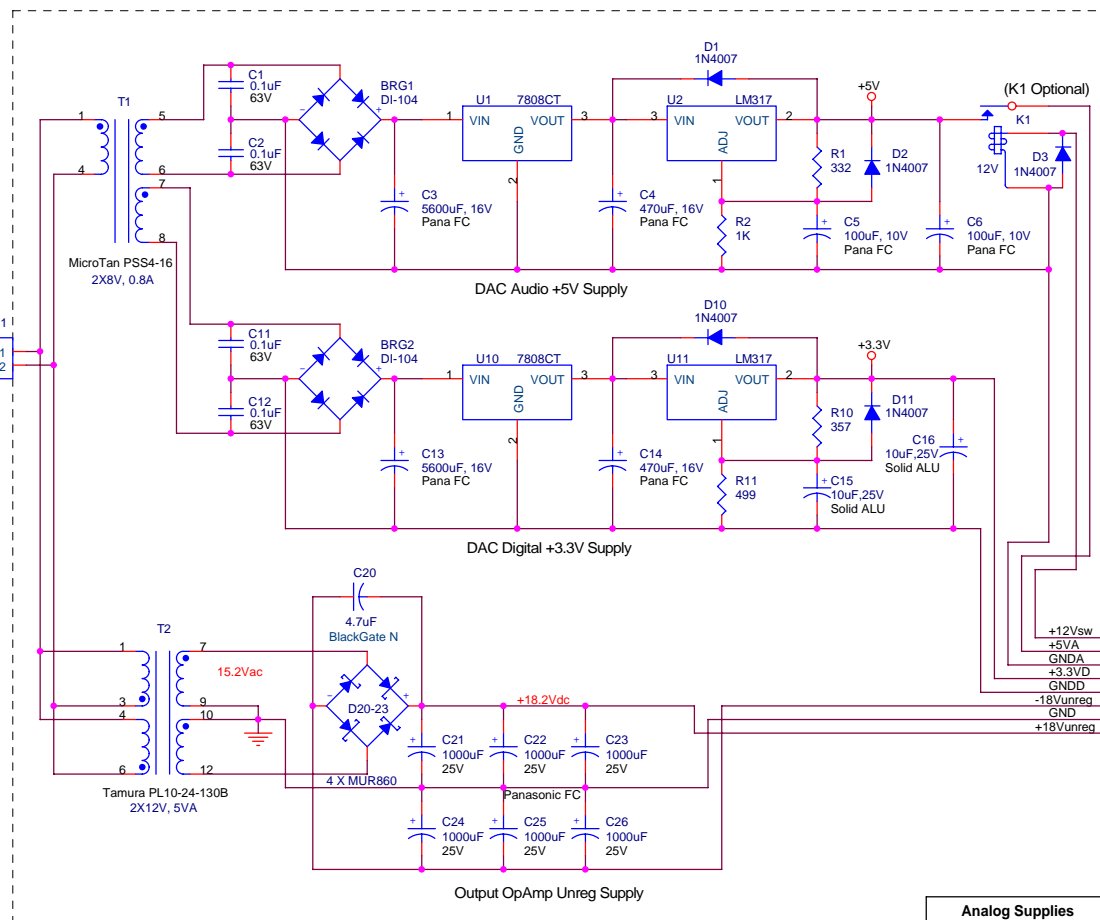


**Description:**  
The Pioneer 563A is using a multi voltage switching Power supply.  
Part of the modification is to upgrade the original supply by replacing caps with better quality Panasonic FC Type.  
The DAC & Audio outputs supplies are replaced by separate analog supplies, +3.3Vdigital & +5V analog.  
A new Op-Amp Output section is also powered by high performance Jung Type regulators. This section contains only the +/-18V Unregulated that supply the Jung regulators.  
All Supplies are always ON when the DVD is plugged.  
An EMI filter section protects against High Freq from the AC supply.

**Note 1:**  
-The 3Vd is on CN101,pins 25,26. Pins 30,31 carry 12V which then travel across the board to IC 101, a 5V regulator, which becomes the 5Va that feeds the dac.  
-Cut the 3Vd trace on the audio board near Cn 601-101. The new linear 3Vd is soldered on the remaining trace  
Its ground is soldered on pins 31,32  
-Remove the existing 5V regulator (IC101) and inserted the new 5Va supply to the old output hole and the ground line to the old GND hole (GNDA).

**Note 2:**  
The +/-18V UNREG supply the +/-12V JUNG Regulators PCB. Then the +/-12V supply the new OpAmp Audio Output Stage.



Revisions List	
No	Description
1	
2	
3	
4	

Pioneer 563A - Universal Player		
Upgrade Modifications		
Size	Document Number	Rev
B	Analog Power Supplies	--
Date:	Tuesday, April 13, 2004	Sheet 1 of 1

(See Note 1)  
+12Vsw  
+5VA  
GNDA  
+3.3Vd  
GNDD  
-18Vunreg  
GND  
+18Vunreg  
(See Note 2)