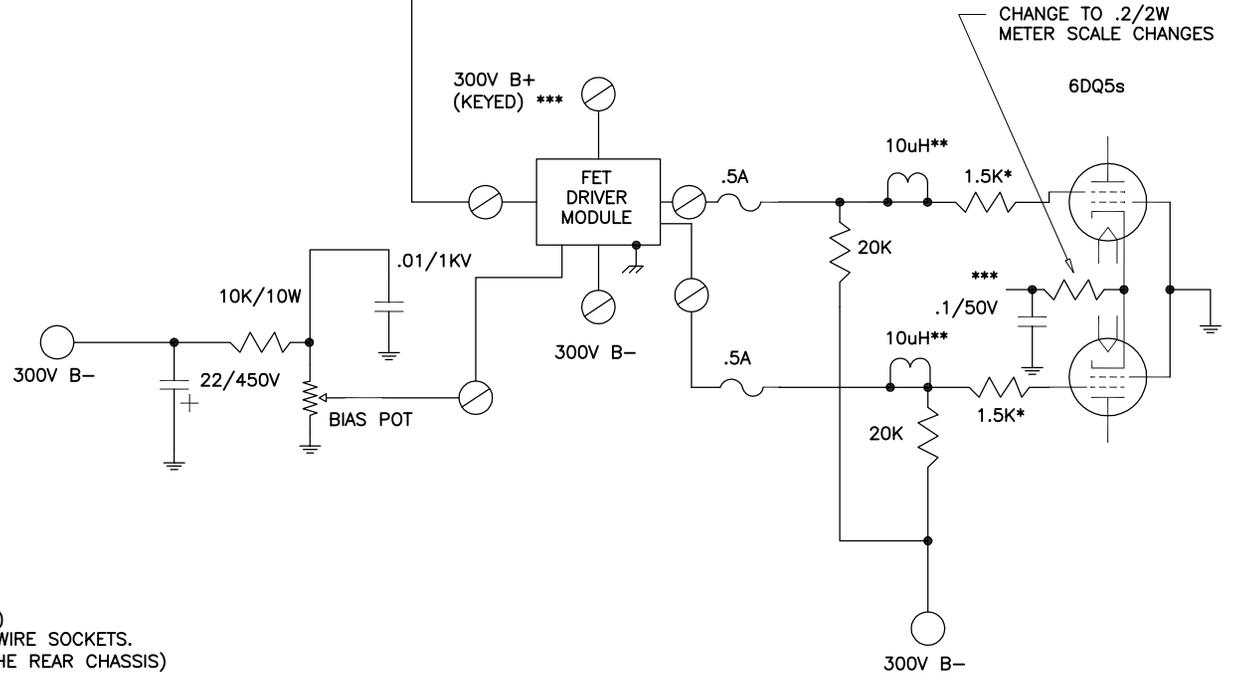


NOTE:
MIC COAX CONNECTED TO RING
TERMINAL ON NEW 1/4" PHONO JACK.
THE COAX SHIELD ONLY GROUNDS TO
THE CHASSIS AT THE GRID. THE
INPUT Z IS FOR A D104 W/JFET
OUTPUT.

12AX7

NOTE:
THERE IS A MODULATOR CURRENT SPIKE WITH PTT.
I HAVE A MODIFICATION TO REMEDY THIS, BUT IT
IS UNTRIED AT THIS TIME.



MODS TO VALIANT (TO REDUCE LOAD ON LV TRANSFORMER)

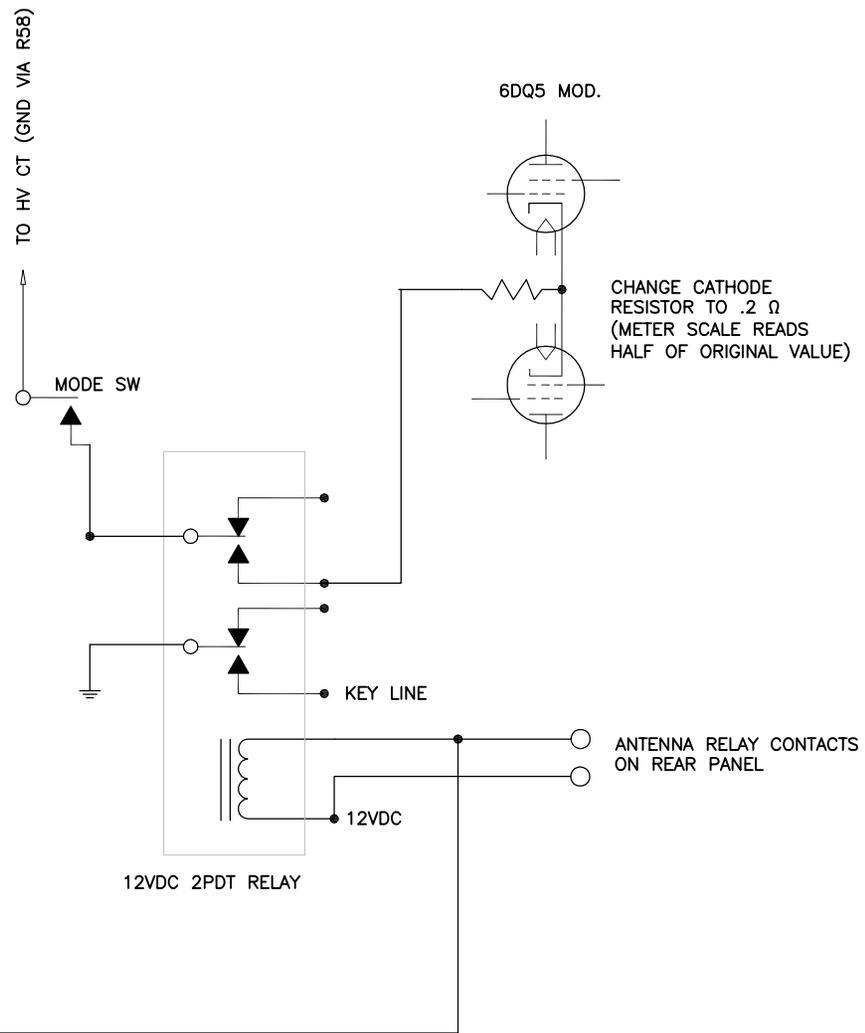
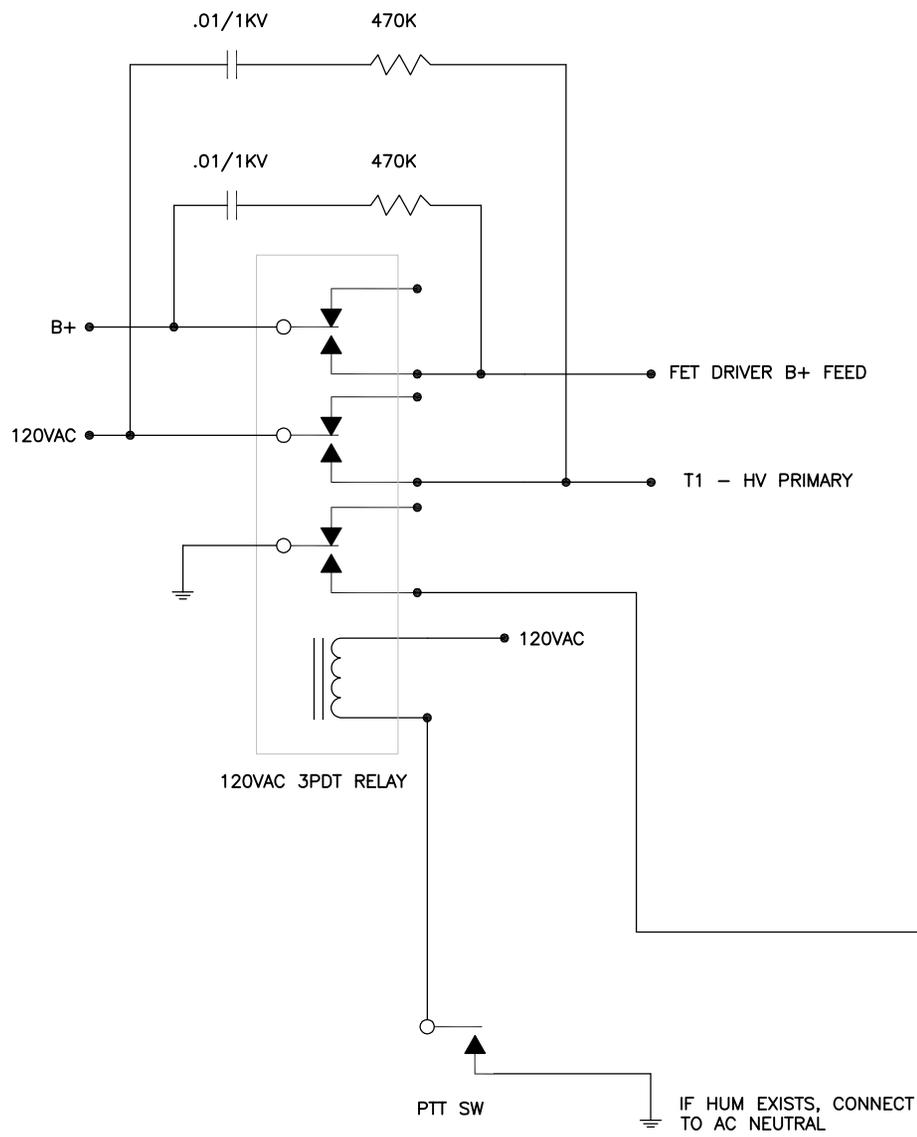
1. ADD 10H FILAMENT XFORMER TO RUN ALL FILAMENTS EXCEPT THE 6DQ5s.
2. USE LV XFORMER FIL OUTPUT FOR 6DQ5s ONLY.
3. SOLID STATE HV RECTIFIERS (ALSO LV RECTIFIERS MAY HELP)
4. REMOVE 6146 MODULATORS AND REPLACE WITH 6DQ5s, REWIRE SOCKETS.
5. MOVE LV CHOKE AWAY FROM AUDIO AREA (I MOVED IT TO THE REAR CHASSIS)

NOTES

- * USE CARBON COMPOSITION RESISTOR
 - ** FERRITE BEAD
 - *** SEE PTT/RELAYS CIRCUIT DIAGRAM
- ALL CAPACITORS ARE uF
ALL RESISTORS ARE 1/2 WATT UNLESS NOTED
SET 6DQ5s AT ABOUT 40ma RESTING CURRENT (-15 BIAS +/-)

⊗ DENOTES TERMINAL CONNECTION

VALIANT MODULATOR FET DRIVER MODULE	
N1PS	
FEBRUARY 2020	
REV 0	
SHT 2 of 2	



<i>EFJ VALIANT PTT</i>	
<i>N1PS</i>	
<i>RELAYS FOR VALIANT TRANSMITTER WITH FET DRIVERS</i>	<i>02/20</i>
	<i>REV 0</i>
	<i>SHT 1 of 1</i>