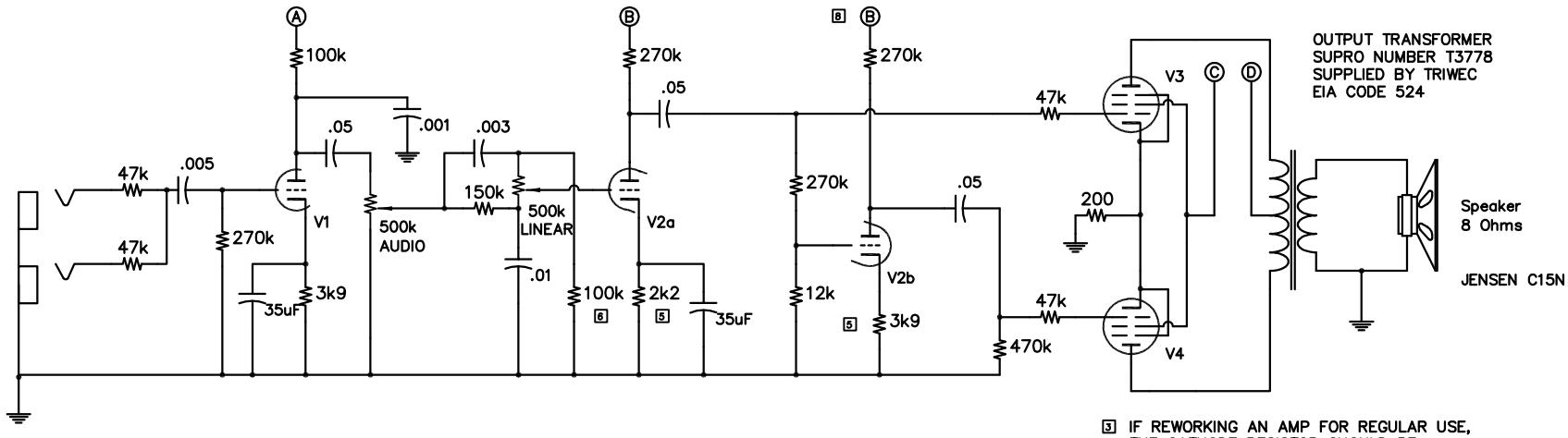
Rev.	Revision note	Date	By
1	ADDED VOLTAGE NOTES	04/05/06	SCW
2	ADDED FILTER CAP NOTE	04/05/06	SCW
3	ADDED CATHODE RES. NOTE	04/05/06	SCW
4	REVISED VOLTAGE ESTIMATES	04/06/06	SCW
5	CORRECTED CATHODE RESISTOR VALUES	04/24/06	SCW
6	CORRECTED RESISTOR VALUE	04/24/06	SCW
7	ADDED NOTE ABOUT SOCKET WIRING	09/13/06	SCW
8	CORRECTED PHASE INVERTER WIRING	11/27/07	SCW

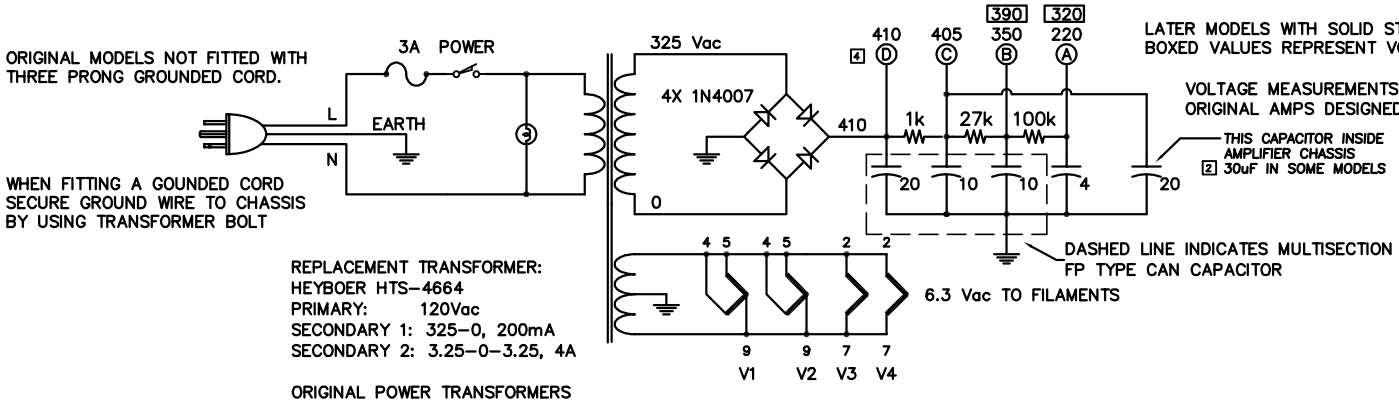
[7] IF USING 5881, 6L6GB OR 6L6GC TUBES THE CONNECTION FROM G3 TO CATHODE IS NOT NEEDED. EXTERNAL CONNECTION ONLY NEEDED IF YOU WANT TO USE EL34



[3] IF REWORKING AN AMP FOR REGULAR USE, THE CATHODE RESISTOR SHOULD BE ADJUSTED TO 220 OR 250 OHM FOR PROPER BIAS OF OUTPUT TUBES.

[1] **VOLTAGE MEASUREMENTS BASED ON ESTIMATES NOT MEASURED DATA **
SEVERAL PEOPLE HAVE REPORTED GREATLY DIFFERENT VALUES, ESPECIALLY IN THE PREAMP

EARLY MODELS FITTED WITH A VACUUM RECTIFIER (5U4), THE TRANSFORMER NUMBER BELOW IS NOT A SUITABLE REPLACEMENT FOR THESE MODELS



LATER MODELS WITH SOLID STATE RECTIFIER FITTED 1K RESISTOR IN PLACE OF 27K. BOXED VALUES REPRESENT VOLTAGES WITH 1K RESISTOR.

VOLTAGE MEASUREMENTS TAKEN WITH 125VAC LINE POWER
ORIGINAL AMPS DESIGNED FOR 115VAC LINE POWER

NOTES: V1 (12AX7) ONE TRIODE LEFT UNUSED
CAPACITOR VALUES IN uF
FILTER CAPACITORS ARE 450 V
VOLTAGE MEASUREMENTS DC UNLESS SPECIFIED

VOLTAGE CHART

VALUES BY J. MITCHELL

	1	2	3	4	5	6	7	8	9	
12AX7	197	0	2.2	3.3AC	3.3AC	–	–	–	3.3AC	V1
12AX7	167	0	2.0	3.3AC	3.3AC	138	0	1.4	3.3AC	V2
6L6GC	–	0	3.3AC	390	0.4	–	3.3AC	30	–	V3
6L6GC	–	0	3.3AC	390	0.4	–	3.3AC	30	–	V4

MANY THANKS TO GREG SIMON, CJ POULUS, URIAH THERIAULT AND JIM MITCHELL FOR THEIR ASSISTANCE IN GATHERING THIS INFORMATION

Weatherford Amplifiers

SCALE: NONE
DATE: 3/3/2003
DRAWN BY: S. Weatherford

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1966 SUPRO THUNDERBOLT

DRAWING NUMBER S6420