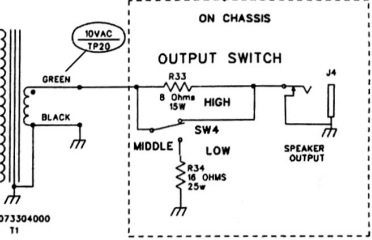
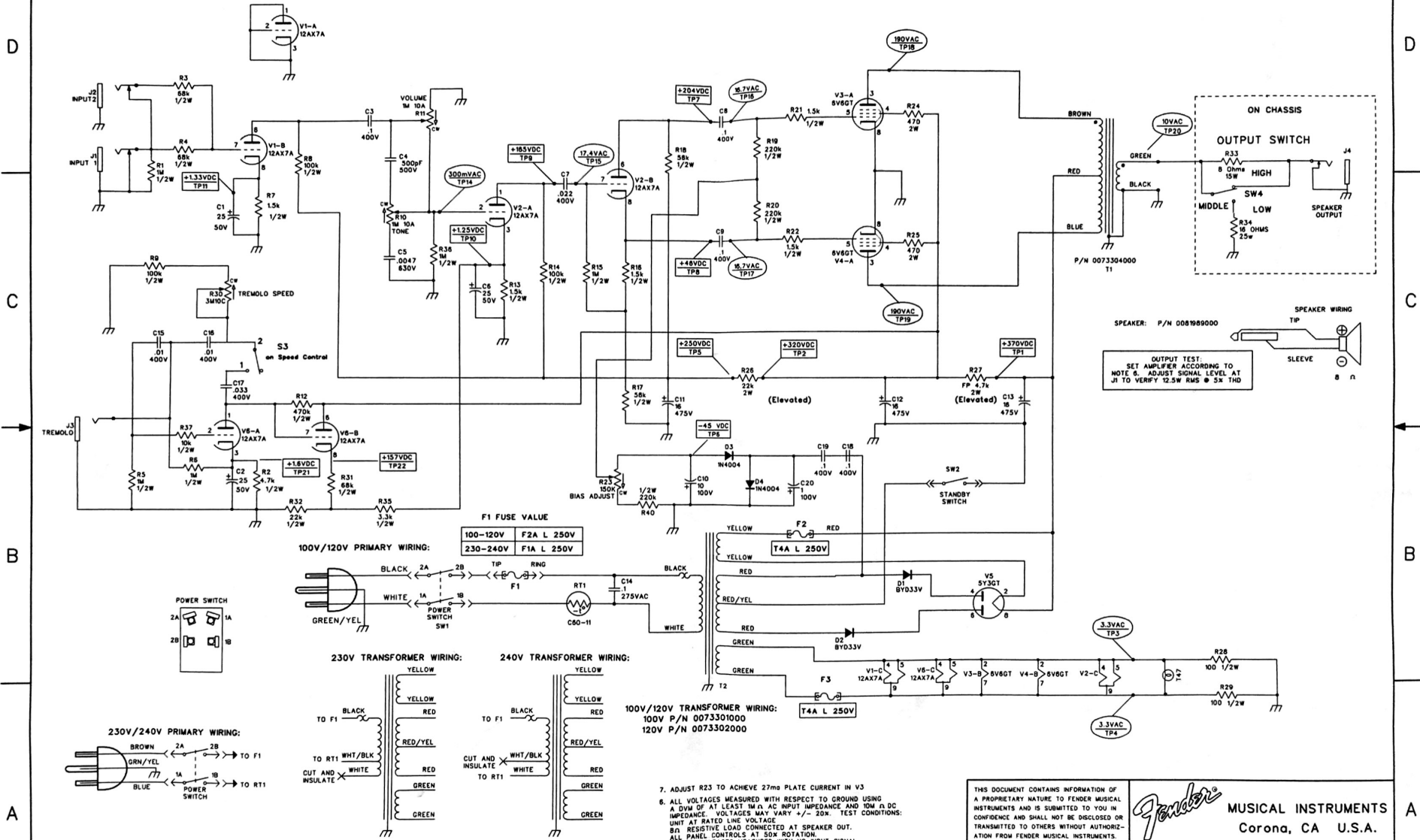


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PR1170	16-FEB-11	LEL
B	EC 4809	21-JUL-11	L E L

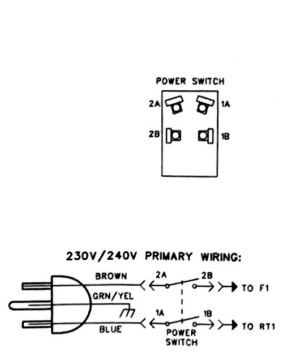


SPEAKER: P/N 0081989000

OUTPUT TEST:  
SET AMPLIFIER ACCORDING TO NOTE 6. ADJUST SIGNAL LEVEL AT J1 TO VERIFY 12.5W RMS @ 5% THD

F1 FUSE VALUE

100-120V	F2A L 250V
230-240V	F1A L 250V



7. ADJUST R23 TO ACHIEVE 27ma PLATE CURRENT IN V3
8. ALL VOLTAGES MEASURED WITH RESPECT TO GROUND USING A DVM OF AT LEAST 1M Ω AC INPUT IMPEDANCE AND 10M Ω DC IMPEDANCE. VOLTAGES MAY VARY +/- 20%. TEST CONDITIONS: UNIT AT RATED LINE VOLTAGE. RESISTIVE LOAD CONNECTED AT SPEAKER OUT. ALL PANEL CONTROLS AT 50% ROTATION. ALL DC VOLTAGES MEASURED WITH NO INPUT SIGNAL. ALL AC VOLTAGES MEASURED WITH A 100mVAC RMS SINEWAVE AT J3.
5. LAST REFERENCE DESIGNATOR: C20, D2, F3, J4, R40, RT1, T2, TP22, V8.
4. THIS SCHEMATIC IS FOR PCB FABRICATION P/N 0081978000 AND PCB ASSEMBLY P/N 0081977000.
3. ALL POLARIZED CAPACITORS IN UF, 20% MINIMUM.
2. ALL UNPOLARIZED CAPACITORS IN UF, 10% OR BETTER; 50V MINIMUM (POWER SUPPLY BYPASS CAPACITORS ARE 20%).
1. ALL RESISTORS IN OHMS, Ω.
- NOTES: (UNLESS OTHERWISE NOTED)

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CHECKED BY: _____	TITLE: SERVICE DIAGRAM, COMBINED (schematic)		
DATE: _____	TREMOLUX AMP		
APPROVED BY: _____	SIZE	DRAWING NUMBER	REV.
DATE: _____	C	0081978000	B
DRAWN: LORENZEN ENGR: LORENZEN	RELEASE DATE: 16-FEB-11	SHEET: 1 OF 2	
DATABASE FILE: Z1170S.SCH			

8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PR1170	22-FEB-11	LEL
B	EC 4809	25-JUL-11	LEL

D

D

C

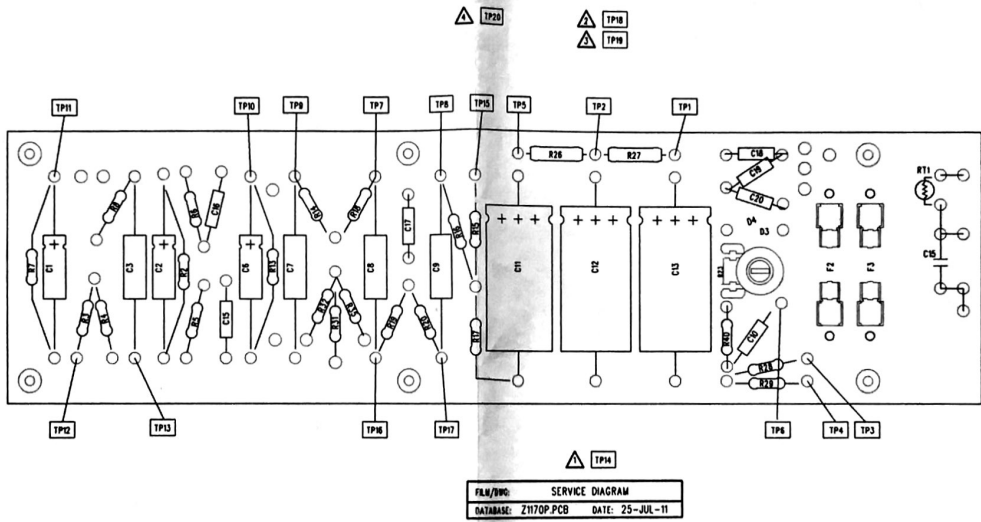
C

B

B


A

A



FILE/FIG: SERVICE DIAGRAM  
 DATABASE: Z1170P.PCB DATE: 25-JUL-11

- 6. WIRES NOT SHOWN FOR CLARITY.
- 5. SEE SHEET 1 FOR PRIMARY WIRING, TEST CONDITIONS, AND TEST POINT VALUES.
- ▲ TP20 IS TIP TERMINAL OF PHONE JACK J5 (SPEAKER OUTPUT).
- ▲ TP19 IS PIN 3 OF TUBE V4.
- ▲ TP18 IS PIN 3 OF TUBE V3.
- ▲ TP14 IS CENTER TERMINAL OF RIO (TONE CONTROL).
- NOTES: (UNLESS OTHERWISE NOTED)

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CHECKED BY: _____		TITLE: SERVICE DIAGRAM, COMBINED (PCB assy)	
DATE: _____		TREMOLUX	
APPROVED BY: _____		SIZE	DRAWING NUMBER
DATE: _____		C	0081978000
DRAWN: HAN LE	ENGR: L. LORENZEN	REV.	B
DATABASE FILE: Z1170P.PCB		RELEASE DATE: 22-FEB-11	SHEET 2 OF 2

8 | 7 | 6 | 5 | 4 | 3 | 2 | 1