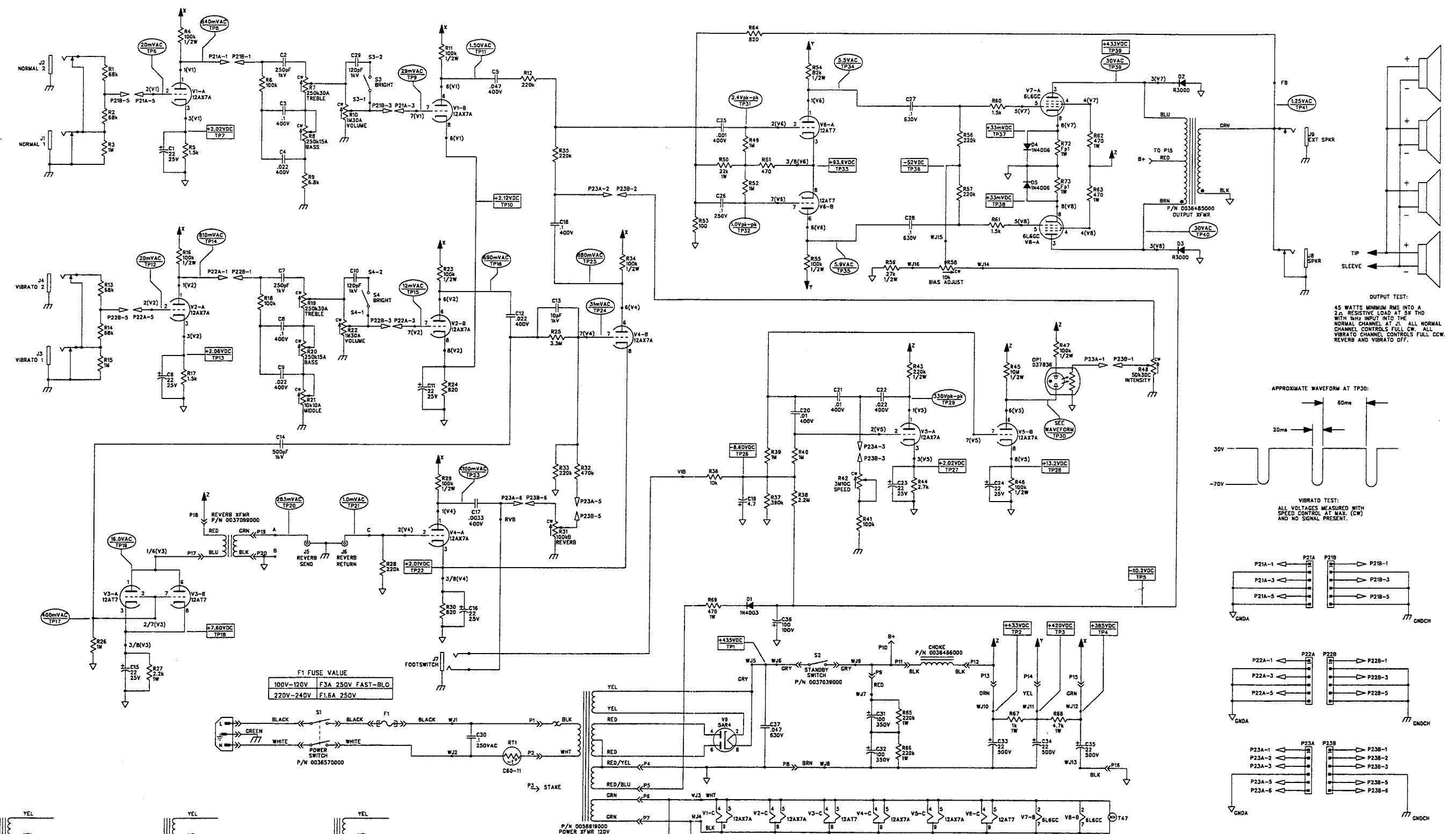
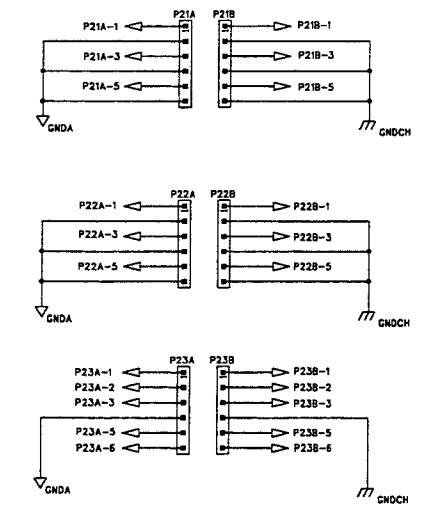
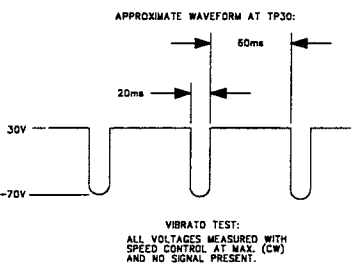


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PR469	17-AUG-00	MCU

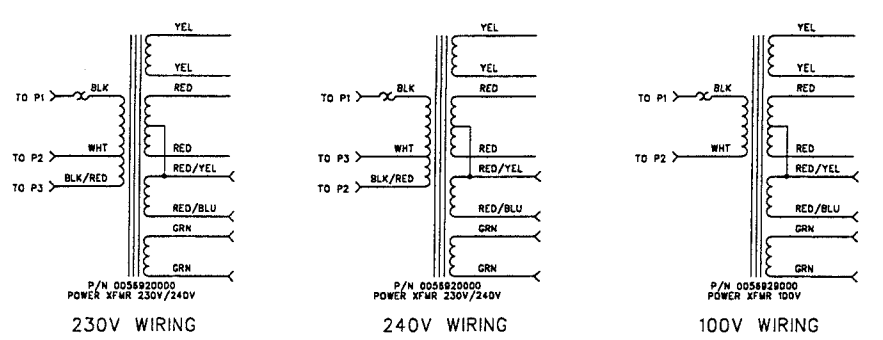


OUTPUT TEST:  
45 WATTS MINIMUM RMS INTO A 2Ω RESISTIVE LOAD AT 5K THD WITH 1kHz INPUT INTO THE NORMAL CHANNEL AT J1. ALL NORMAL CHANNEL CONTROLS FULL CW. ALL VIBRATO CHANNEL CONTROLS FULL CCW. REVERB AND VIBRATO OFF.



F1 FUSE VALUE

100V-120V	F3A 250V FAST-BLO
220V-240V	F1.6A 250V



4. ALL VOLTAGES MEASURED WITH RESPECT TO GROUND USING A 500Ω LOAD AT LEAST 100Ω AC INPUT IMPEDANCE AND 10W A DC IMPEDANCE. VOLTAGES MAY VARY ±20%. TEST CONDITIONS: UNIT AT RATED LINE VOLTAGE. ALL PCB'S ARE CONNECTED TOGETHER, INSTALLED IN THE CHASSIS REVERB PAN 0036483000 CONNECTED AT J8-J8. 2Ω RESISTIVE LOAD CONNECTED AT J8. ALL BRIGHT SWITCHES IN THE "OFF" POSITION. REVERB AND VIBRATO SWITCHED OFF WITH FOOTSWITCH. VIBRATO SPEED CONTROL R42 AT MAXIMUM CW ROTATION. ALL DC VOLTAGES MEASURED WITH NO INPUT SIGNAL. TP27-30 MEASURED WITH AN OSCILLOSCOPE, WITH NO INPUT SIGNAL AND VIBRATO SWITCHED ON. TP6, 8, 9, 11 MEASURED WITH A 1kHz SINEWAVE INPUT TO NORMAL CHANNEL ONLY. ALL OTHER TESTPOINTS MEASURED WITH A 1kHz SINEWAVE INPUT TO VIBRATO CHANNEL ONLY.

3. ALL POLARIZED CAPACITORS IN W/ 20K; 50V MINIMUM.

2. ALL UNPOLARIZED CAPACITORS IN W/ 10V OR BETTER; 50V MINIMUM. (POWER SUPPLY BYPASS CAPACITORS ARE 20K).

1. ALL RESISTORS IN OHMS, S; 1/4W.

NOTES: (UNLESS OTHERWISE NOTED)

THIS DOCUMENT CONTAINS INFORMATION OF A PROPRIETARY NATURE TO FENDER MUSICAL INSTRUMENTS AND IS SUBMITTED TO YOU IN CONFIDENCE AND SHALL NOT BE DISCLOSED OR TRANSMITTED TO OTHERS WITHOUT AUTHORIZATION FROM FENDER MUSICAL INSTRUMENTS.

**Fender** MUSICAL INSTRUMENTS  
Corona, CA U.S.A.

CHECKED BY: *[Signature]*  
DATE: 08-10-00

APPROVED BY: *[Signature]*  
DATE: 08-10-00

DRAWN: MULRICH ENGR: MULRICH

6. LAST REFERENCE: C37, D5, F1, J8, OPI, P23, R73, S4, TP41, WJ16, V8.

5. THIS SCHEMATIC IS FOR PCB FABRICATION P/N 0056923000 AND PCB ASSEMBLY P/N 0056921000.

TITLE: SERVICE DIAGRAM, COMBINED (schematic) SUPER REVERB AMPLIFIER

SIZE: D DRAWING NUMBER: 0056923000

REV: A

RELEASE DATE: 20-JUL-00 SHEET: 1 OF 2

DATABASE FILE: 24695.SCH

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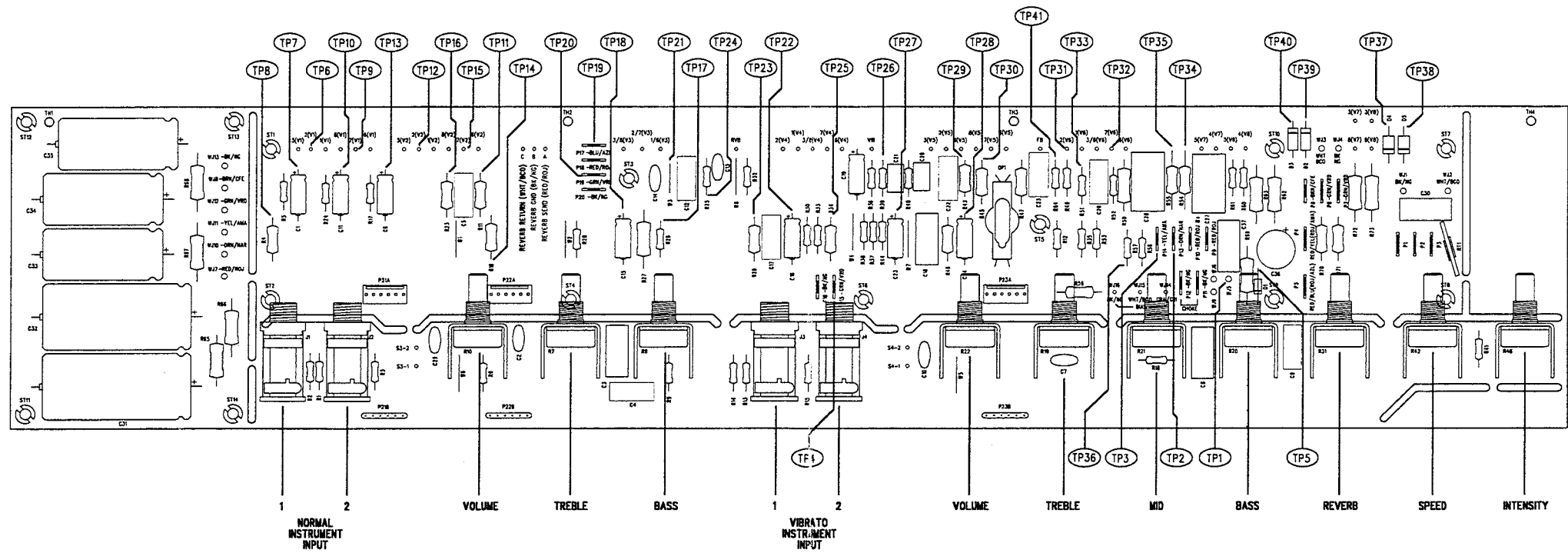
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PR469	20-JUL-00	MCU



FILM/OWN: SERVICE DIAGRAM  
 DATABASE: Z469P.PCB DATE: 07-20-00

1. SEE SHEET 1 FOR PRIMARY WIRING, TEST CONDITIONS AND TEST POINT VALUES.  
 NOTES: (UNLESS OTHERWISE NOTED)

THIS DOCUMENT CONTAINS INFORMATION OF A PROPRIETARY NATURE TO FENDER MUSICAL INSTRUMENTS AND IS SUBMITTED TO YOU IN CONFIDENCE AND SHALL NOT BE DISCLOSED OR TRANSMITTED TO OTHERS WITHOUT AUTHORIZATION FROM FENDER MUSICAL INSTRUMENTS.

CHECKED BY: *[Signature]*  
 DATE: 08-10-00

APPROVED BY: *[Signature]*  
 DATE: 08-10-00

DRAWN: A. BARNAI ENGR: M. LUNCH  
 DATABASE FILE: Z469P.PCB

**Fender** MUSICAL INSTRUMENTS  
 Corona, CA U.S.A.

TITLE: SERVICE DIAGRAM, COMBINED (PCB assy)  
 SUPER REVERB AMPLIFIER

SIZE	DRAWING NUMBER	REV.
D	0056923000	A

RELEASE DATE: 20-JUL-00 SHEET 2 OF 2

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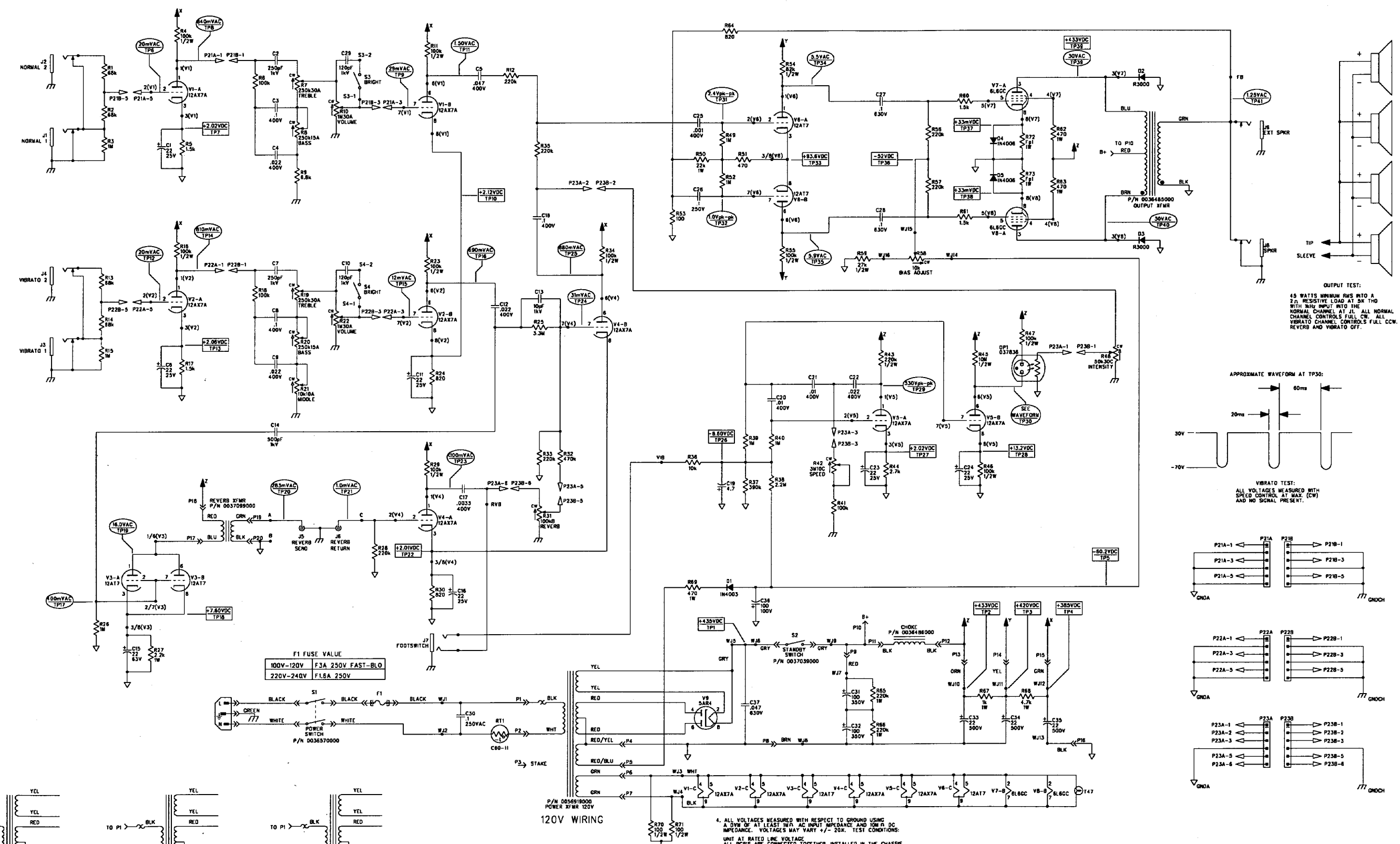
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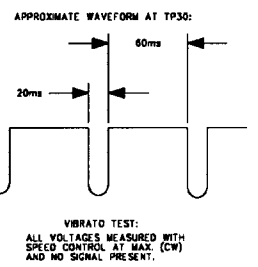
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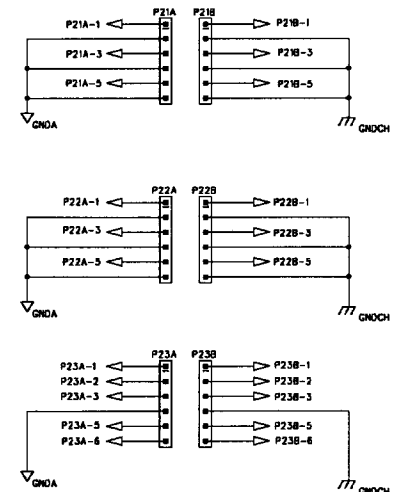
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PR469	17-AUG-00	MCU
B	EC 2539	24-OCT-00	MCU



OUTPUT TEST:  
45 WATTS MINIMUM RMS INTO A 2Ω RESISTIVE LOAD AT 8K THD WITH 1kHz INPUT. REVERB NORMAL CHANNEL AT J1. ALL NORMAL CHANNEL CONTROLS FULL CW. ALL VIBRATO CHANNEL CONTROLS FULL CCW. REVERB AND VIBRATO OFF.

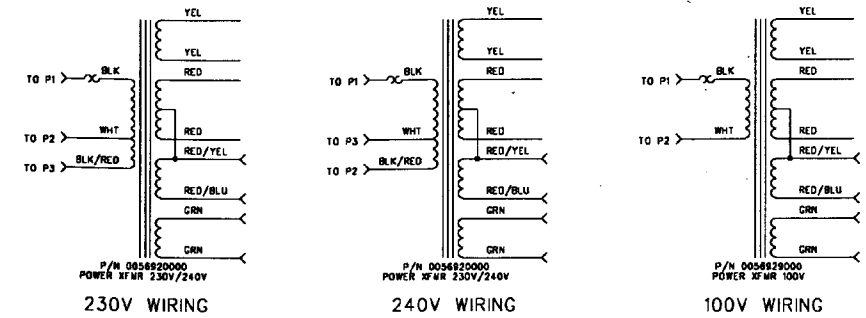


VIBRATO TEST:  
ALL VOLTAGES MEASURED WITH SPEED CONTROL AT MAX. (CW) AND NO SIGNAL PRESENT.



F1 FUSE VALUE

100V-120V	F3A 250V FAST-BLO
220V-240V	F1.8A 250V



4. ALL VOLTAGES MEASURED WITH RESPECT TO GROUND USING A 0.1MΩ OF AT LEAST 100Ω AC INPUT IMPEDANCE AND 10MΩ DC IMPEDANCE. VOLTAGES MAY VARY +/- 20% TEST CONDITIONS. UNIT AT RATED LINE VOLTAGE. ALL ICPS ARE CONNECTED TOGETHER, INSTALLED IN THE CHASSIS REVERB PAN DONOR 0036480000 CONNECTED AT J5-J6 2A RESISTIVE LOAD CONNECTED AT J8 ALL "BRIGHT" SWITCHES IN THE "OFF" POSITION REVERB AND VIBRATO SWITCHED OFF WITH FOOTSWITCH VIBRATO SPEED CONTROL RAS AT MAXIMUM CW ROTATION ALL OTHER PANEL CONTROLS AT 50% ROTATION BIAS SET TO -25VDC AT TP38 (OR 50-55mV AT BOTH TP37 & TP38) ALL DC VOLTAGES MEASURED WITH NO INPUT SIGNAL TP27-30 MEASURED WITH AN OSCILLOSCOPE WITH NO INPUT SIGNAL AND VIBRATO SWITCHED ON TP6, 8, 9, 11 MEASURED WITH A 1kHz SINEWAVE INPUT TO NORMAL CHANNEL ONLY ALL OTHER TESTPOINTS MEASURED WITH A 1kHz SINEWAVE INPUT TO VIBRATO CHANNEL ONLY

- ALL POLARIZED CAPACITORS IN μF, 20% 50V MINIMUM.
  - ALL UNPOLARIZED CAPACITORS IN μF, 10% OR BETTER, 50V MINIMUM. (POWER SUPPLY BYPASS CAPACITORS ARE 20%)
  - ALL RESISTORS IN OHMS, Ω; 1/4W.
- NOTES: (UNLESS OTHERWISE NOTED)

- LAST REFERENCE: C37, D5, F1, J9, GPl, P23, R73, S4, TP41, WJ6, V8.
- THIS SCHEMATIC IS FOR PCB FABRICATION P/N 0056922000 AND PCB ASSEMBLY P/N 0056921000.

THIS DOCUMENT CONTAINS INFORMATION OF A PROPRIETARY NATURE TO FENDER MUSICAL INSTRUMENTS AND IS SUBMITTED TO YOU IN CONFIDENCE AND SHALL NOT BE DISCLOSED OR TRANSMITTED TO OTHERS WITHOUT AUTHORIZATION FROM FENDER MUSICAL INSTRUMENTS.

**Fender** MUSICAL INSTRUMENTS  
Corona, CA U.S.A.

CHECKED BY: *[Signature]*  
DATE: 27-Oct-00

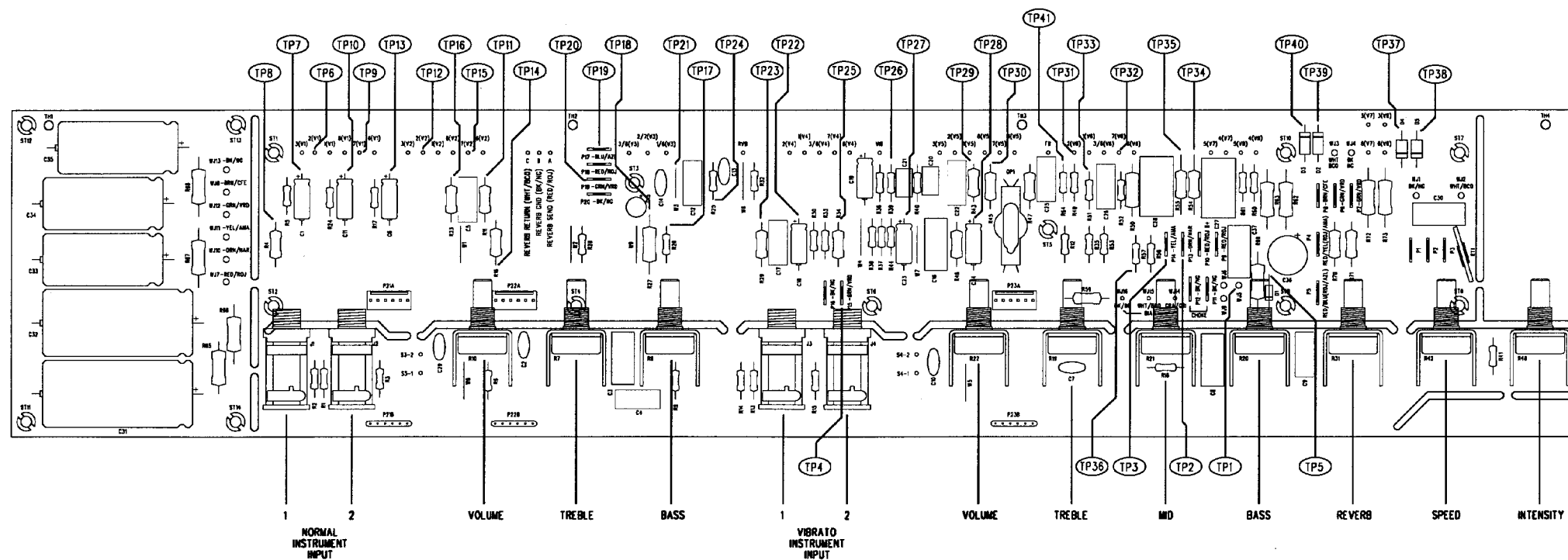
APPROVED BY: *[Signature]*  
DATE: 10/27/2000

DRAWN: MULRICH ENGR: MULRICH  
DATABASE FILE: 24695.SCH

TITLE: SERVICE DIAGRAM, COMBINED (schematic) SUPER REVERB AMPLIFIER

D NUMBER: 0056923000  
RELEASE DATE: 20-JUL-00 SHEET: 1 OF 2

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PR469	20-JUL-00	MCU
B	EC 2539	24-OCT-00	MCU

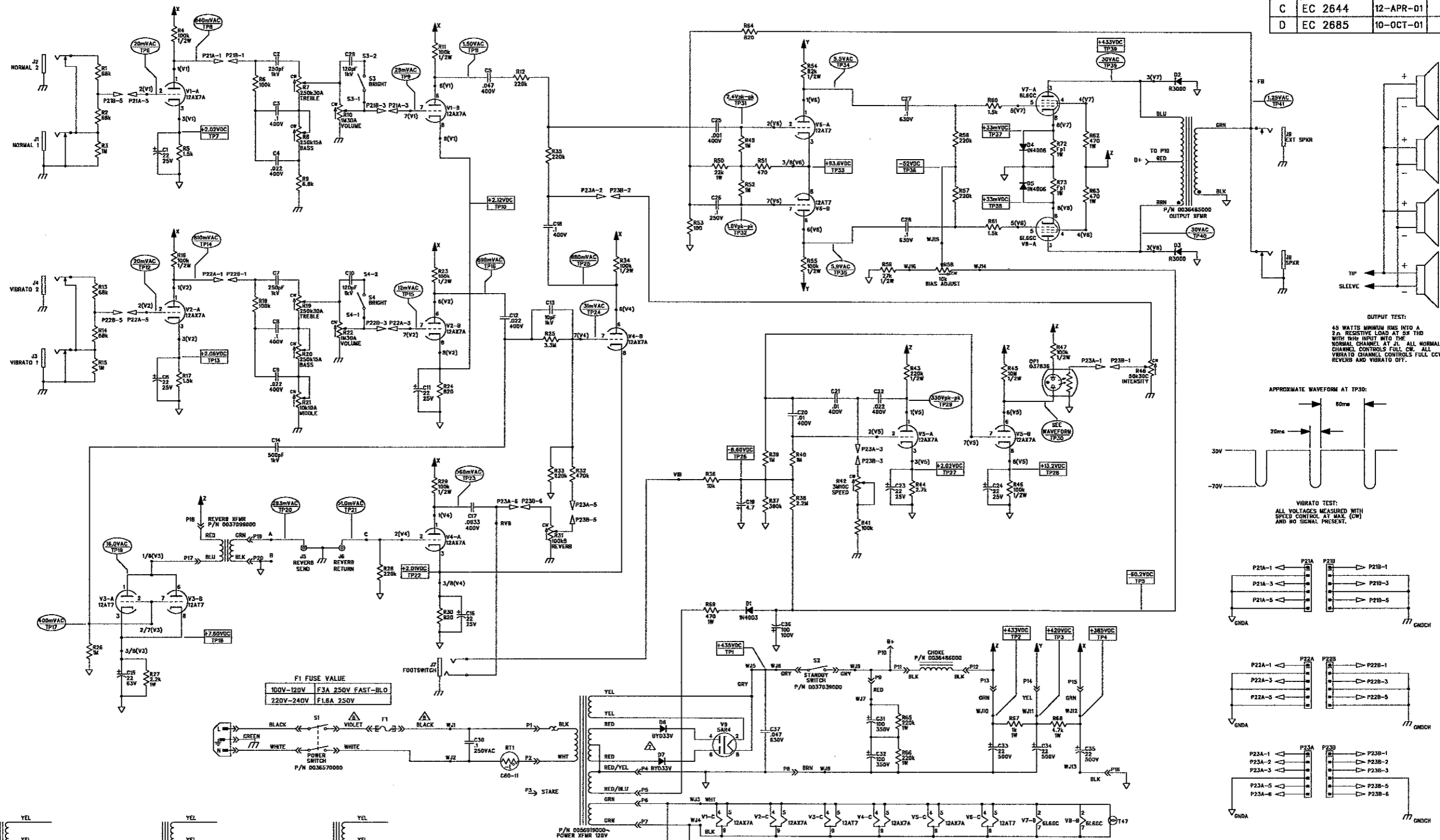


FILE/DOC: SERVICE DIAGRAM  
 DATABASE: Z489P.PCB DATE: 10-24-00

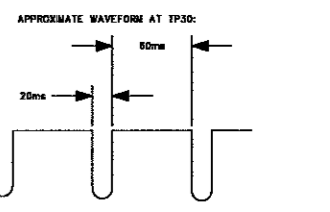
1. SEE SHEET 1 FOR PRIMARY WIRING, TEST CONDITIONS AND TEST POINT VALUES.  
 NOTES: (UNLESS OTHERWISE NOTED)

<small>THIS DOCUMENT CONTAINS INFORMATION OF A PROPRIETARY NATURE TO FENDER MUSICAL INSTRUMENTS AND IS SUBMITTED TO YOU IN CONFIDENCE AND SHALL NOT BE DISCLOSED OR TRANSMITTED TO OTHERS WITHOUT AUTHORIZATION FROM FENDER MUSICAL INSTRUMENTS.</small>		<b>MUSICAL INSTRUMENTS</b> Corona, CA U.S.A.	
CHECKED BY: <i>MLK</i>	DATE: 27-OCT-00	TITLE: SERVICE DIAGRAM, COMBINED (PCB ASSY) SUPER REVERB AMPLIFIER	
APPROVED BY: <i>MOLACAT</i>	DATE: 10/27/2000	SIZE: D	DRAWING NUMBER: 0056923000
DRAWN: A. BARRAI	ENGR: M. ULNICH	RELEASE DATE: 20-JUL-00	SHEET 2 OF 2
DATABASE FILE: Z489P.PCB		REV. B	

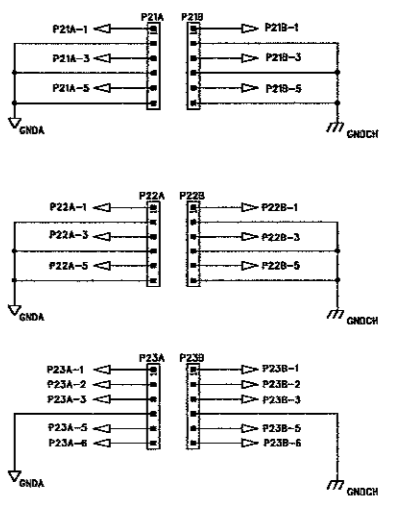
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PR469	17-AUG-00	MCU
B	EC 2539	24-OCT-00	MCU
C	EC 2644	12-APR-01	MCU
D	EC 2685	10-OCT-01	MCU



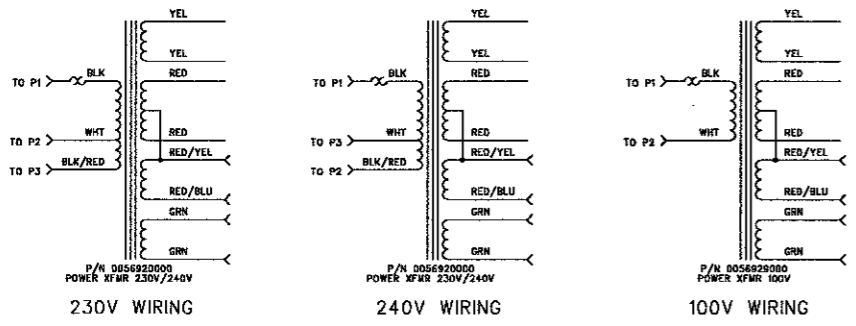
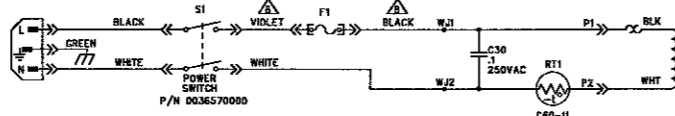
OUTPUT TEST:  
45 WATTS MINIMUM RMS INTO A 2Ω RESISTIVE LOAD AT 5% THD WITH 100V INPUT INTO THE NORMAL CHANNEL AT J1. ALL NORMAL CHANNEL CONTROLS FULL CW. ALL VIBRATO CHANNEL CONTROLS FULL CCW. REVERB AND VIBRATO OFF.



VIBRATO TEST:  
ALL VOLTAGES MEASURED WITH SPEED CONTROL AT MAX. (CW) AND NO SIGNAL PRESENT.



F1 FUSE VALUE	
100V-120V	F3A 250V FAST-BLD
220V-240V	F1.8A 250V



4. ALL VOLTAGES MEASURED WITH RESPECT TO GROUND USING A 500Ω CAP AT LEAST 100V AC INPUT IMPEDANCE AND 10MΩ DC IMPEDANCE. VOLTAGES MAY VARY ±20%. TEST CONDITIONS: UNIT AT RATED LINE VOLTAGE. ALL PEDS ARE CONNECTED TOGETHER, INSTALLED IN THE CHASSIS. REVERB PAN 0064063000 CONNECTED AT J5-J6. ALL BRIGHT SWITCHES IN THE "OFF" POSITION. REVERB AND VIBRATO SWITCHED OFF WITH FOOTSWITCH. VIBRATO SPEED CONTROL: R42 AT MAXIMUM CW ROTATION. ALL OTHER PANEL CONTROLS AT 50% ROTATION. BIAS SET TO 50VDC AT TP6 (OR 30-35VDC AT BOTH TP37 & TP38). ALL DC VOLTAGES MEASURED WITH NO INPUT SIGNAL. TP7-30 MEASURED WITH A3 OSCILLOSCOPE WITH NO INPUT SIGNAL AND VIBRATO SWITCHED ON. TP6, 8, 9, 11 MEASURED WITH A 1kHz SINEWAVE INPUT TO NORMAL CHANNEL ONLY. ALL OTHER TESTPOINTS MEASURED WITH A 1kHz SINEWAVE INPUT TO VIBRATO CHANNEL ONLY.
3. ALL POLARIZED CAPACITORS IN μF, 20%; 50V MINIMUM.
2. ALL UNPOLARIZED CAPACITORS IN μF, 10% OR BETTER; 50V MINIMUM. (POWER SUPPLY 0V/50V CAPACITORS ARE 20%).
1. ALL RESISTORS IN OHMS, 5%, 1/4W.
- NOTES: (UNLESS OTHERWISE NOTED)

FUSE HOLDER CONNECTIONS ARE TO BE AS FOLLOWS:  
VIOLET WIRE - FROM S1 TO FUSE HOLDER TP1  
BLACK WIRE - FROM WJ1 TO FUSE HOLDER RND

SEE CHASSIS ASSEMBLY P/N 00651000 FOR INSTALLATION OF D6 AND D7.

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**Fender** MUSICAL INSTRUMENTS  
Corona, CA U.S.A.

CHECKED BY: *Bluen*  
DATE: *25 Oct 01*

APPROVED BY: *Mulrinch*  
DATE: *26 Oct 01*

DRAWN: MULRINCH ENGR: MULRINCH  
DATABASE FILE: 24695.SCH

TITLE: SERVICE DIAGRAM, COMBINED (schematic)  
SUPER REVERB AMPLIFIER

SIZE: DRAWING NUMBER  
**D 0056923000**

REV. **D**

RELEASE DATE: 20-JUL-00 SHEET: 1 OF 2

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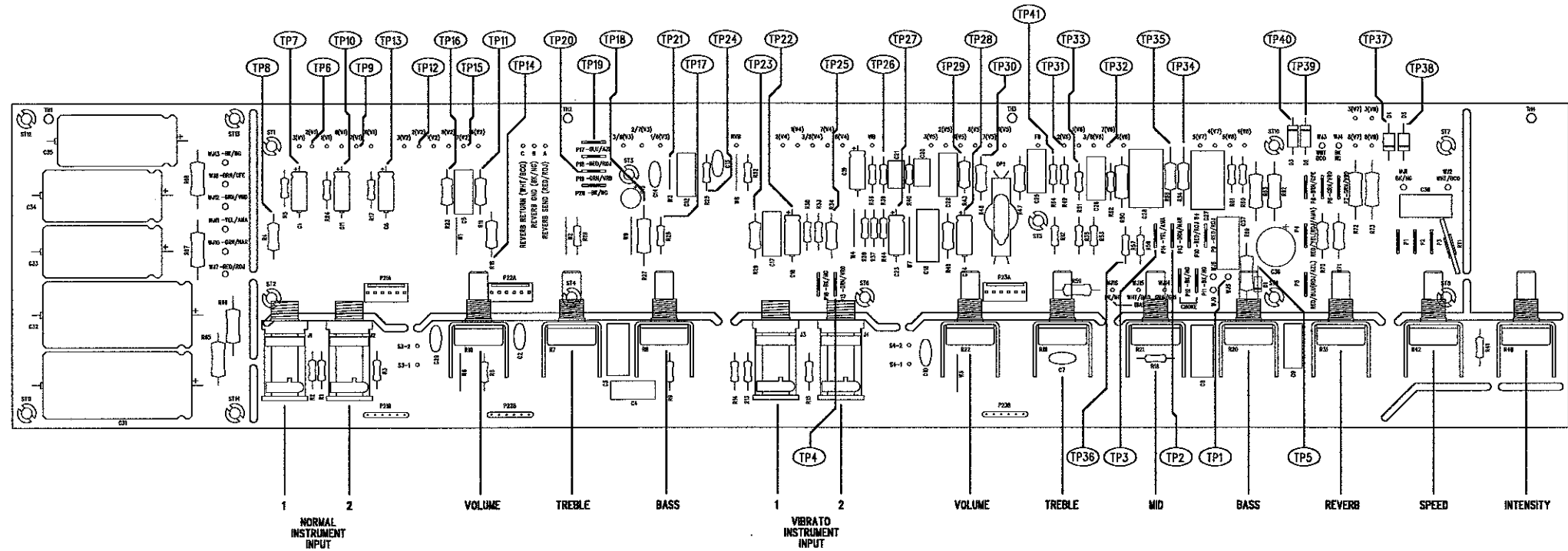
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PR469	20-JUL-00	MCU
B	EC 2539	24-OCT-00	MCU
C	EC 2644	12-APR-01	MCU
D	EC 2685	10-OCT-01	MCU



FILM/DWG: SERVICE DIAGRAM  
 DATABASE: Z469P.PCB DATE: 10-24-00

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CHECKED BY: *B. Dea*  
 DATE: 25-OCT-01

APPROVED BY: *M. Ulrich*  
 DATE: 26-OCT-01

DRAWN: A. BARNAI ENGR: M. ULRICH  
 DATABASE FILE: Z469P.PCB

**Fender** MUSICAL INSTRUMENTS  
 Corona, CA U.S.A.

TITLE: SERVICE DIAGRAM, COMBINED (PCB assy)  
 SUPER REVERB AMPLIFIER

SIZE	DRAWING NUMBER	REV.
D	0056923000	D

RELEASE DATE: 20-JUL-00 SHEET 2 OF 2

1. SEE SHEET 1 FOR PRIMARY WIRING, TEST CONDITIONS AND TEST POINT VALUES.  
 NOTES: (UNLESS OTHERWISE NOTED)

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