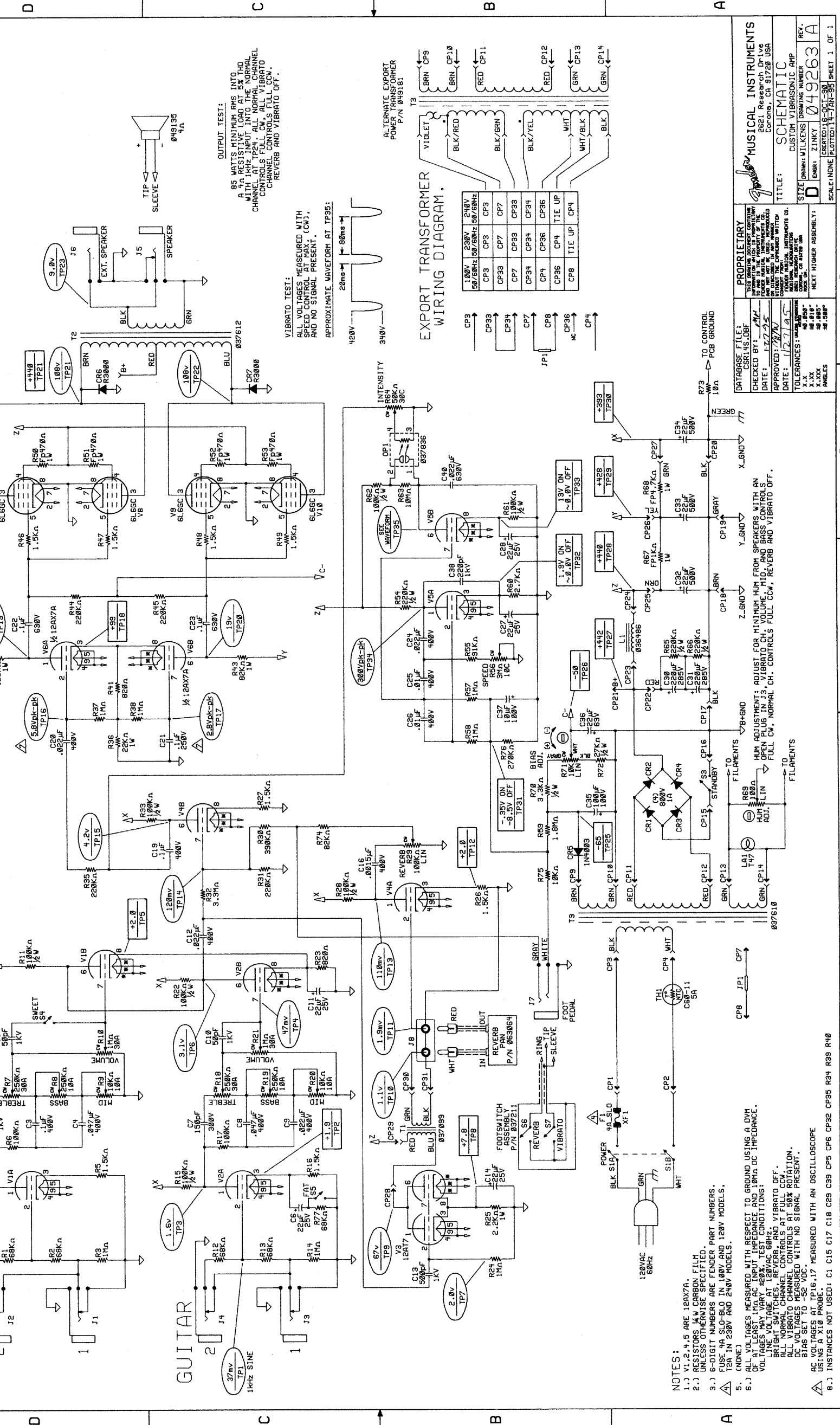
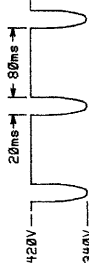


| REVISIONS |                | DATE      | APPROVED |
|-----------|----------------|-----------|----------|
| ZONE      | DESCRIPTION    | 19-JAN-85 | MON      |
| A         | RELEASED CSR14 |           |          |

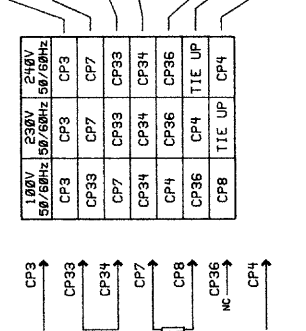


**OUTPUT TEST:**  
 85 WATTS MINIMUM RMS INTO  
 A 4 $\Omega$  RESISTIVE LOAD AT 5% THD  
 WITH 1KHz INPUT INTO THE NORMAL  
 CHANNEL AT TP24. ALL NORMAL CHANNEL  
 CONTROLS FULL CCW. VIBRATO  
 REVERB AND VIBRATO OFF.

**VIBRATO TEST:**  
 ALL VOLTAGES MEASURED WITH  
 SPEED CONTROL AT MAX. CCW,  
 AND NO SIGNAL PRESENT.  
 APPROXIMATE WAVEFORM AT TP35:



**EXPORT TRANSFORMER WIRING DIAGRAM.**



- NOTES:**
- 1.) V1,2,4,5 ARE 12AX7A.
  - 2.) RESISTORS IN  $\Omega$ , CARBON FILM UNLESS OTHERWISE SPECIFIED.
  - 3.) 6-DIGIT NUMBERS ARE FENDER PART NUMBERS.
  - 4.) USE 4 $\phi$  SLO-BLO IN 100V AND 120V MODELS.
  - 5.) (NONE)
  - 6.) ALL VOLTAGES MEASURED WITH RESPECT TO GROUND USING A DVM.
  - 7.) VOLTAGES MAY VARY  $\pm 20\%$  TEST CONDITIONS.
  - 8.) LINE VOLTAGE AT 120VAC 60Hz.
  - 9.) BRIGHT SWITCHES, REVERB, AND VIBRATO OFF.
  - 10.) ALL NORMAL CHANNEL CONTROLS AT 50% CCW POSITION.
  - 11.) DC VOLTAGES MEASURED WITH NO SIGNAL PRESENT.
  - 12.) BIAS SET TO -52 VDC.
  - 13.) AC VOLTAGES AT TP16,17 MEASURED WITH AN OSCILLOSCOPE USING A X10 PROBE.
  - 14.) INSTANCES NOT USED: C1 C15 C17 C18 C29 C39 R34 R39 R40

**MUSICAL INSTRUMENTS**  
 2621 Research Drive  
 Corona, CA 91720 USA

**SCHEMATIC**  
 CUSTOM VIBRASONIC AMP

SIZE: DRAWN: WILKENS DRAWING NUMBER: 049263 A  
 ENGR: ZINKY  
 SCALE: NONE  
 SHEET: 1 OF 1

**PROPRIETARY**  
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DATE: 1-27-85  
 APPROVED: [Signature]  
 DATE: 1-27-85

TOLERANCES: AS SHOWN  
 X.X  
 X.XX  
 X.XXX  
 ANGLES

NEXT HIGHER ASSEMBLY:  
 48-598P  
 48-818P  
 48-898P  
 48-598P

**DATABASE FILE:**  
 CSRS43.DBF

CHECKED BY: [Signature]  
 DATE: 1-27-85

ADJUSTMENT: ADJUST FOR MINIMUM HUM FROM SPEAKERS WITH AN  
 HUM ADJUSTMENT. VIBRATO CH. VOLUME, TIE-UP AND BASS CONTROLS  
 FULL CCW, NORMAL CH. CONTROLS FULL CCW, REVERB AND VIBRATO OFF.

**STEEL**

**GUITAR**

120VAC 60Hz

POWER S1A

4 $\phi$ -SLO CP1

BLK S1B

GRN S1B

WHT S1B

CP2

TH1

WHT

CP3 BLK

CP4 WHT

CP7

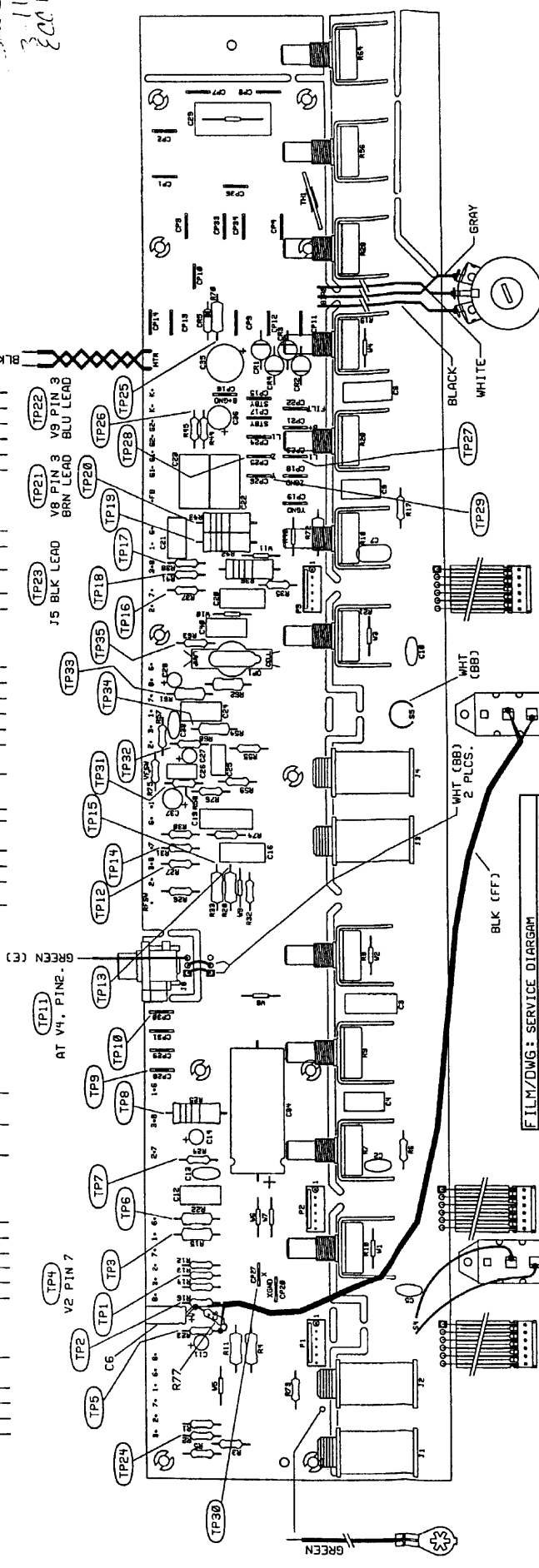
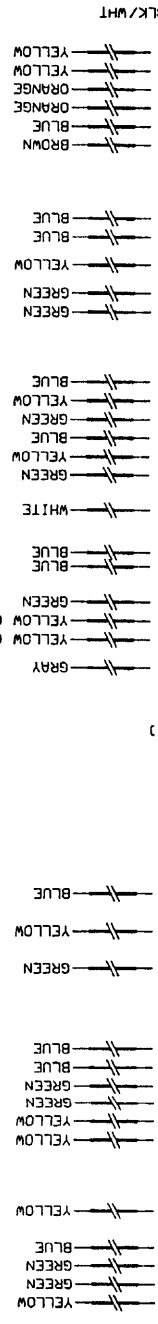
CP8 JP1

CP7

1 2 3 4 5 6

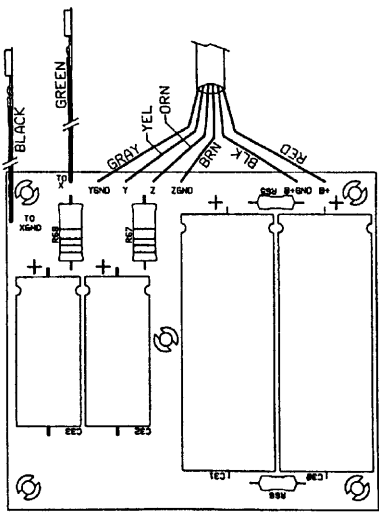
| REVISIONS |                  |                |           |
|-----------|------------------|----------------|-----------|
| ZONE      | REV. DESCRIPTION | DATE           | APPROVED  |
|           | A                | RELEASED CSR14 | 19-JAN-95 |

3550000  
1192  
200088



FILM/DWG: SERVICE DIAGRAM  
 DATABASE: Z188SER.DBF DATE: 14-JAN-95  
 LAYERS PLOTTED: 1 2 3 4 10  
 15

CAPACITOR BOARD.



NOTES:  
 1.) PCB SHOWN AS FABRICATED, EXCEPT WITH  
 CAPACITOR BREAK-AWAY BOARD SEPARATED.

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**MUSICAL INSTRUMENTS**  
 2621 Research Dr. I-ve  
 Corcoran, CA 91728 USA

**TITLE: SERVICE DIAGRAM**  
**CUSTOM VIBRASONIC AMP**

SIZE: B DRAWN: WILKENS DRAWING NUMBER: 049265 REV. A  
 ENGR: ZINKY [CREATED] 01-NOV-90 [PLOTTED] 14-JAN-95 SHEET 1 OF 1

**DATABASE FILE: CSR14SER.DBF**  
 CHECKED BY:  
 DATE:  
 APPROVED:  
 DATE:

**TOLERANCES:** UNLESS OTHERWISE SPECIFIED:  
 X.XX ±.005"  
 X.XXX ±.001"  
 ANGLES 30° MIN.

**NEXT HIGHER ASSEMBLY:**

1 2 3 4 5 6