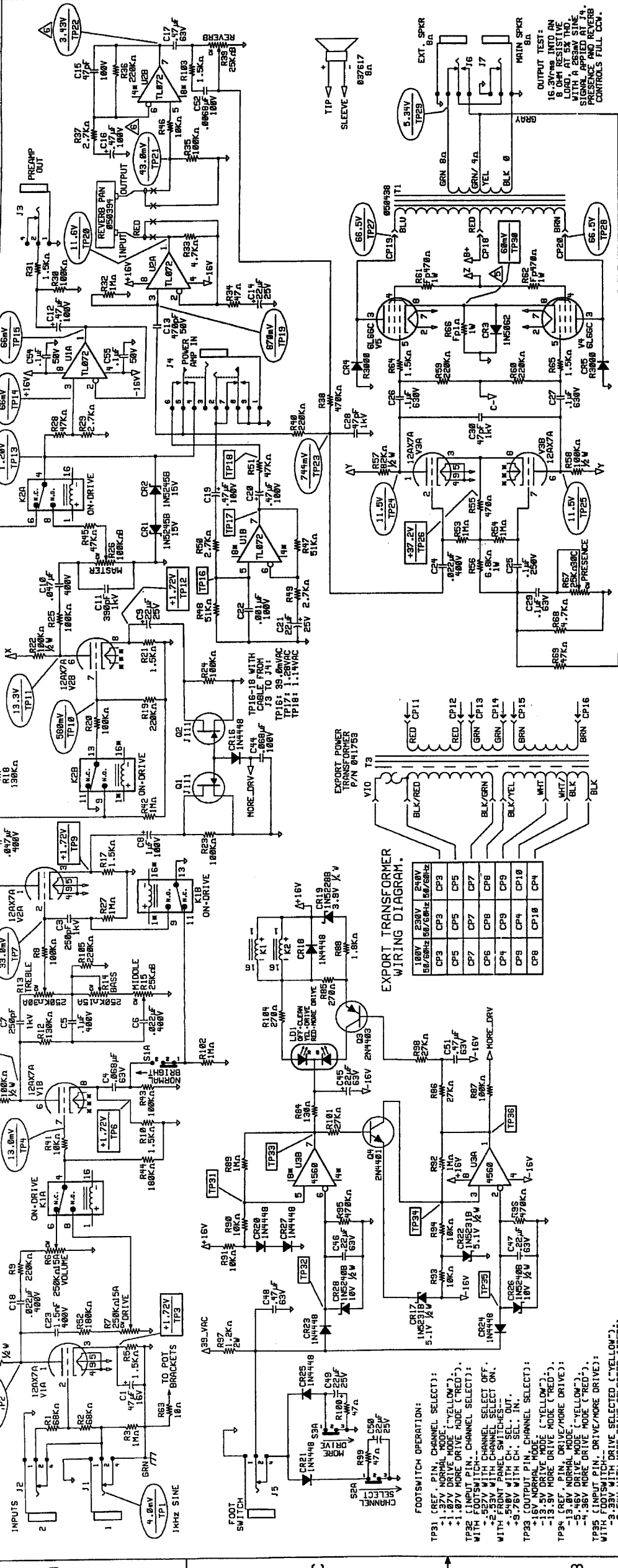


ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	RELEASED PR325	13-MAY-96	MDW
	B	EC 1701	24-MAY-96	MDW



**EXPORT TRANSFORMER WIRING DIAGRAM.**

180V	230V	240V	240V
CP3	CP3	CP3	CP3
50/68k	50/68k	50/68k	50/68k
CP5	CP5	CP5	CP5
CP7	CP7	CP7	CP7
CP8	CP8	CP8	CP8
CP9	CP9	CP9	CP9
CP4	CP4	CP4	CP4
CP6	CP6	CP6	CP6
CP10	CP10	CP10	CP10
CP1	CP1	CP1	CP1
CP2	CP2	CP2	CP2

**FOOTSWITCH OPERATION:**

- TP31 (REF. PIN, CHANNEL SELECT):
  - 1.37V NORMAL MODE, "YELLOW".
  - 1.07V DRIVE MODE, "YELLOW".
  - 1.07V MORE DRIVE MODE ("RED").
- TP22 (FOOTSWITCH, CHANNEL SELECT):
  - 2.52V WITH CHANNEL SELECT OFF.
  - 2.52V WITH CHANNEL SELECT ON.
- WITH FRONT PANEL SWITCHES:
  - 2.75V WITH CH. SEL. INT.
  - 2.75V WITH CH. SEL. INT.
- TP23 (OUTPUT PIN, CHANNEL SELECT):
  - 1.5V NORMAL MODE ("YELLOW").
  - 13.5V DRIVE MODE ("RED").
  - 13.5V MORE DRIVE MODE ("RED").
  - 13.8V NORMAL MODE, "YELLOW".
  - 13.8V DRIVE MODE, "YELLOW".
  - 4.35V MORE DRIVE MODE ("RED").
  - 4.35V MORE DRIVE MODE ("RED").
- TP25 (INPUT PIN, DRIVE/MORE DRIVE):
  - 3.33V WITH DRIVE SELECTED ("YELLOW").
  - 6.55V WITH MORE DRIVE SELECTED ("RED").
  - 10.0V WITH MORE DRIVE INT.
  - 10.0V WITH MORE DRIVE INT.
- TP36 (OUTPUT PIN, DRIVE/MORE DRIVE):
  - 1.6V NORMAL MODE ("YELLOW").
  - 1.6V DRIVE MODE ("YELLOW").
  - 1.6V MORE DRIVE MODE ("RED").

**NOTES:**

- UNLESS SPECIFIED OTHERWISE) 1. J LAST INSTANCES: C55 CP20 CR28 F1 J7 K2 L1 LA1 LD1 Q4
- SIX DIGIT NUMBERS ARE FENDER PART NUMBERS.
- ALL RESISTORS 1/4W 5% CARBON FILM.
- ALL VOLTAGES MEASURED WITH RESPECT TO GROUND USING A TRIPLE RMS OHM OF 1MΩ AC INPUT IMPEDANCE AND OF 10MΩ DC INPUT IMPEDANCE. VOLTAGES MAY VARY ±20% TEST CONDITIONS: LINE VOLTAGE 120VAC 60Hz; RESISTOR TOLERANCES ±5%; ALL OTHER CONTROLS AT 50% ROTATION. NORMAL BRIGHT SWITCH OUT.
- BIAS SET TO 30mA PER OUTPUT TUBE. SEE NOTE 5.
- BIAS ADJUSTMENT - NO SIGNAL APPLIED, RATED LINE VOLTAGE AT 120V POWER TRANSFORMER PRIMARY OBTAIN A READING OF 32.2V AS INDICATED BY THE VOLTAGE SHOWN AT BIAS POT WIPER FOR REFERENCE ONLY.
- READINGS OBSERVED AT TP21 AND TP22 WILL VARY GREATLY DEPENDING ON INDIVIDUAL REVERB PAN RESPONSE. THE VOLTAGE GAIN AT U2B SHOULD BE 82.
- COLORS IN PARENTHESES ARE FOR 230V AND 240V UNITS.
- "MORE DRIVE" ADDS 12.7dB OF GAIN TO THE "DRIVE MODE".
- INSTANCES NOT USED: C32 C34 C37 CP17 CP21 CR18 R71-73 R83

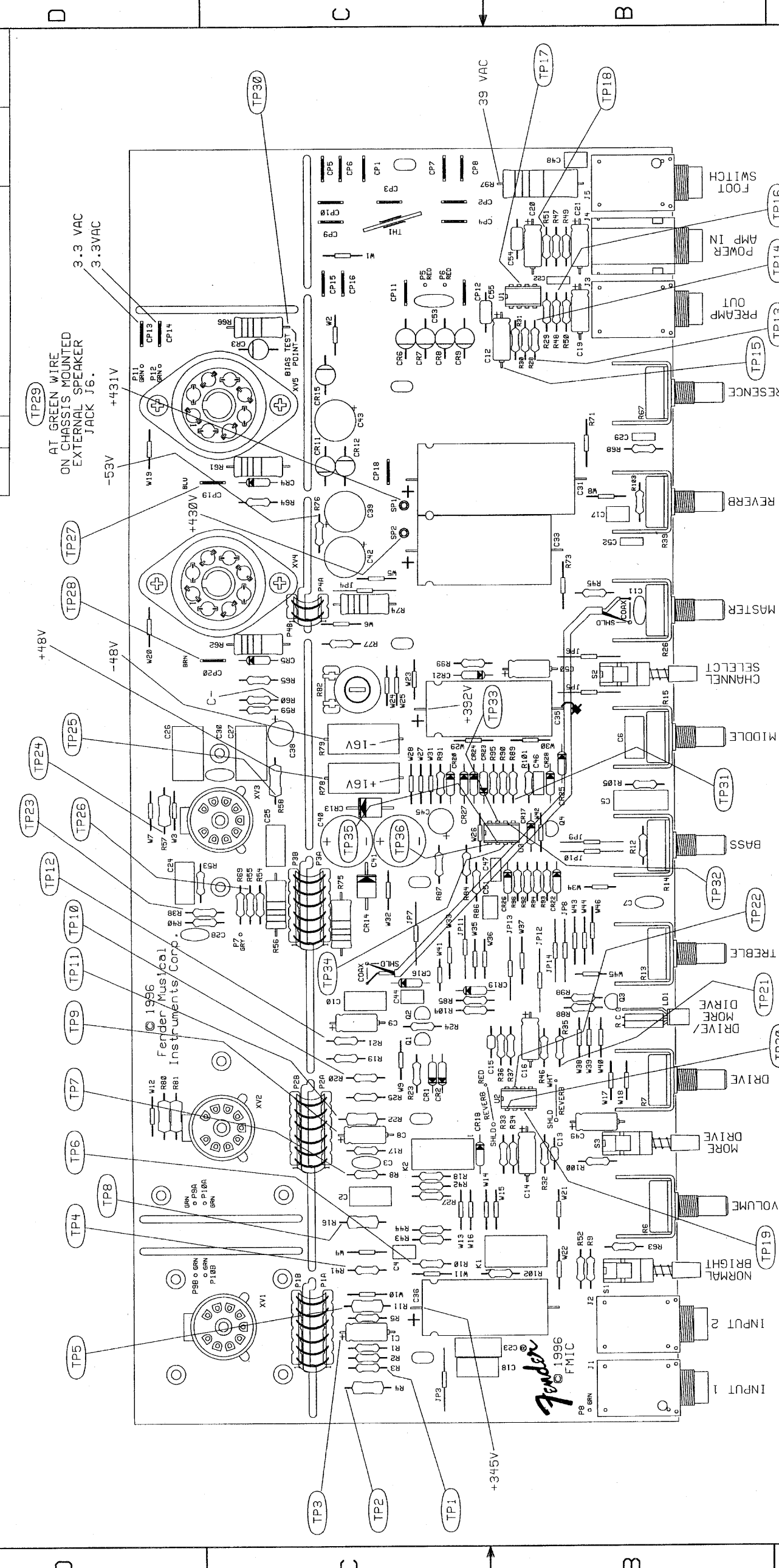
**PROPRIETARY**  
 MUSICAL INSTRUMENTS  
 2621 Research Dr-1ve  
 Corona, CA 91720 USA

**REV. 050397 B**

SCALE: NONE (PRINTED) 1 OF 1 SHEET

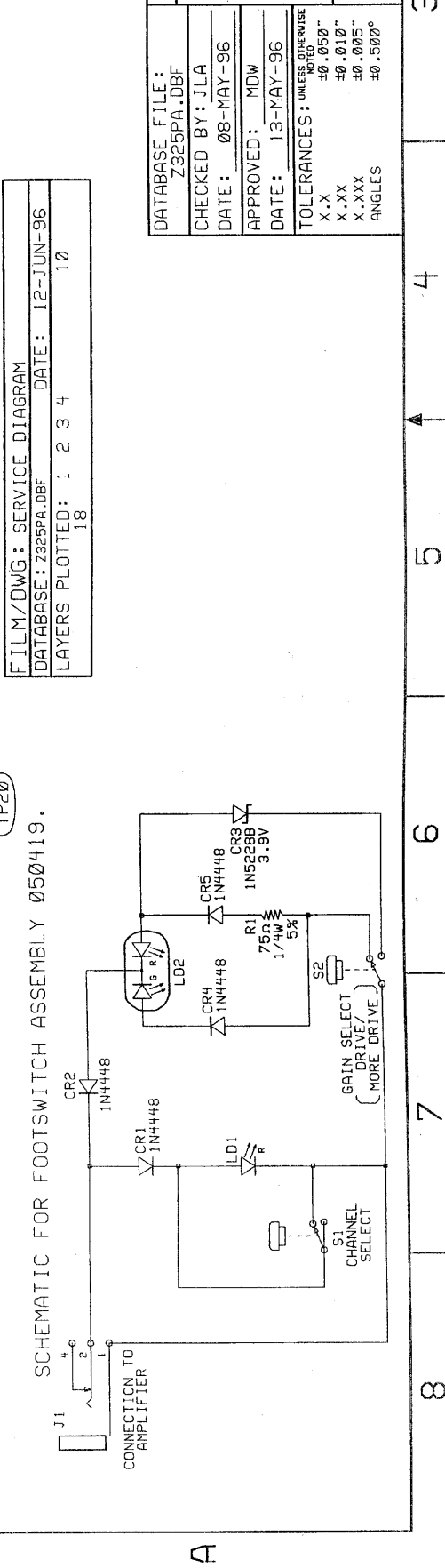
8 7 6 5 4 3 2 1

REVISIONS		DATE	APPROVED
ZONE	REV. DESCRIPTION	13-MAY-96	MDW
	A RELEASED PR325		



FILM/DWG: SERVICE DIAGRAM  
 DATABASE: Z325PA.DBF DATE: 12-JUN-96  
 LAYERS PLOTTED: 1 2 3 4 10 18

NOTES:  
 1.) WIRES NOT SHOWN FOR CLARITY.



<p>PROPRIETARY</p> <p>THIS DRAWING DOCUMENT CONTAINS INFORMATION WHICH IS PROPRIETARY TO AND IS THE PROPERTY OF THE FENDER MUSICAL INSTRUMENTS CO. AND MAY NOT BE USED, REPRODUCED OR DISCLOSED IN ANY MANNER WITHOUT THE EXPRESSED WRITTEN CONSENT FROM: FENDER MUSICAL INSTRUMENTS CO. REGIONAL HEADQUARTERS 2621 RESEARCH DRIVE CORONA, CA 91728 USA IT IS TIME...</p>	<p>DATABASE FILE: Z325PA.DBF</p> <p>CHECKED BY: JLA</p> <p>DATE: 08-MAY-96</p> <p>APPROVED: MDW</p> <p>DATE: 13-MAY-96</p> <p>TOLERANCES: UNLESS OTHERWISE NOTED        X.X ±0.050°        X.XX ±0.010°        X.XXX ±0.005°        ANGLES ±0.500°</p>
<p>MUSICAL INSTRUMENTS</p> <p>2621 Research Drive        Corona, CA 91728 USA</p> <p>TITLE: SERVICE DIAGRAM        HOT ROD DELUXE.</p>	<p>SIZE: C</p> <p>DRAWN: M. WILKENS</p> <p>ENGR: M. WILKENS</p> <p>DRAWING NUMBER: 050399</p> <p>REV: A</p> <p>SCALE: NONE</p> <p>PLOTTED: 12-JUN-96</p> <p>SHEET 1 OF 1</p>