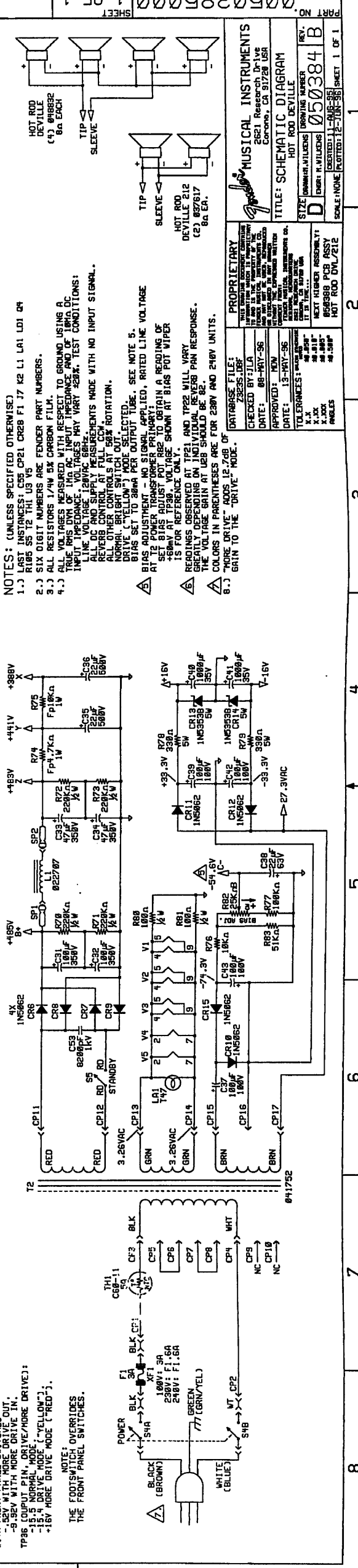
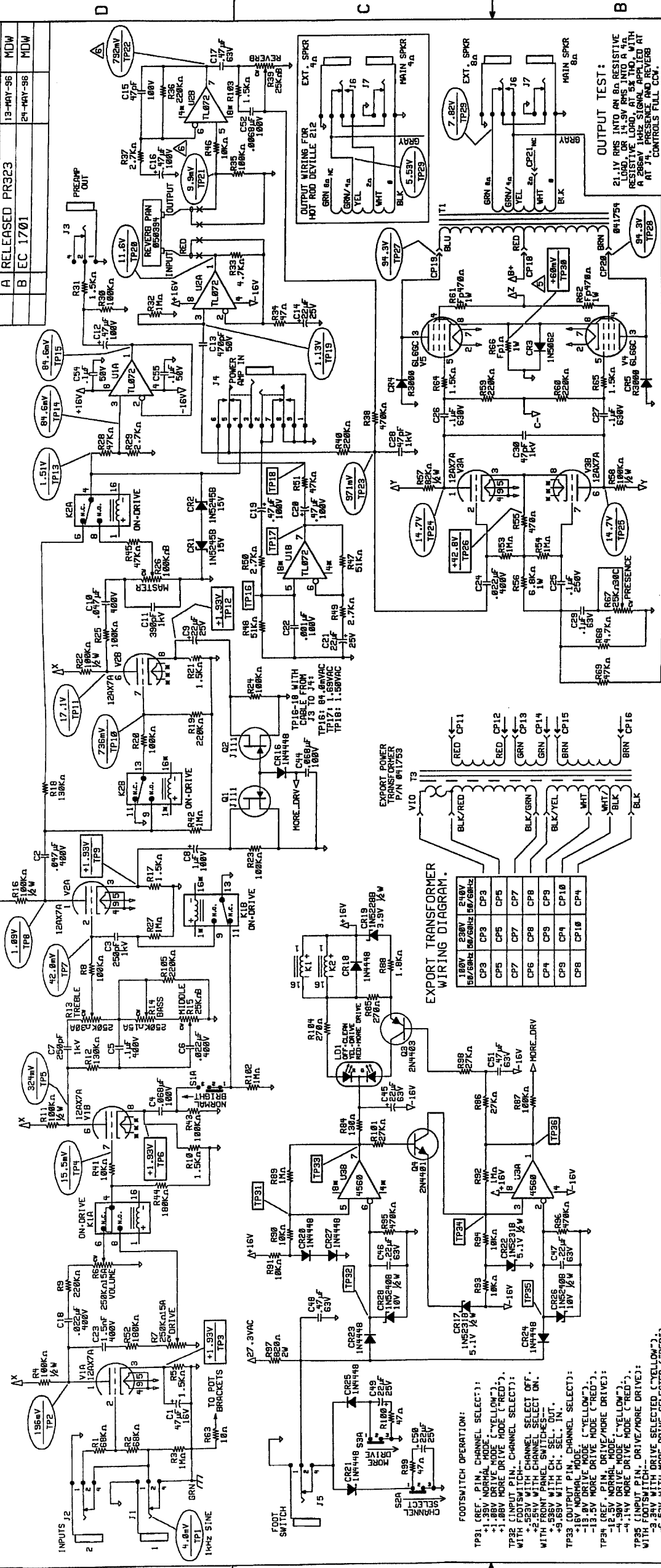


ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	RELEASED PR323	19-MAY-56	MDW
	B	EC 1701	24-MAY-56	MDW



**MUSICAL INSTRUMENTS**  
 EDEL RESEARCH DIV.  
 CORONA, CA 91728 USA

**TITLE: SCHEMATIC DIAGRAM**  
 HOT ROD DEVILLE

**SIZE:** DRAWING NUMBER 050384 B  
 DRAWN BY: J. W. WILKINS  
 CHECKED BY: J. W. WILKINS  
 APPROVED BY: J. W. WILKINS  
 DATE: 11-AUG-56  
 SCALE: NONE (NOTED) 12-JUN-56

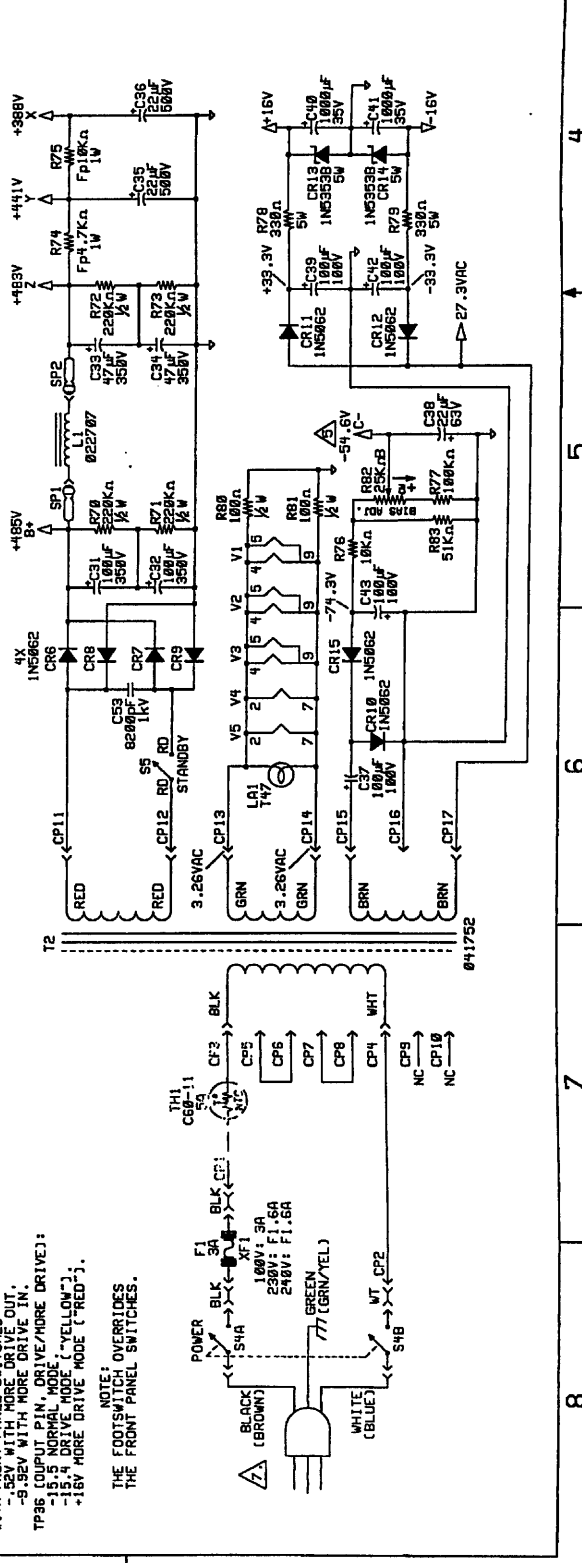
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**CHECKED BY:** J. W. WILKINS  
**DATE:** 08-MAY-56  
**APPROVED BY:** MDW  
**DATE:** 13-MAY-56

**TOLERANCES:** R.1%  
 X.1%  
 X.2%  
 X.5%  
 X.10%  
 X.20%  
 X.50%  
 X.100%

**REVISIONS:** 11-AUG-56  
 12-JUN-56

**NOTES:** (UNLESS SPECIFIED OTHERWISE)  
 1.) LAST INSTANCES: C55 CP21 C268 F1.17 K2 L1 LA1 LD1 Q4 R105 S5 T2 TH1 U3 V5  
 2.) SIX DIGIT NUMBERS ARE FENDER PART NUMBERS.  
 3.) ALL RESISTORS 1/4W 5% CARBON FILM.  
 4.) ALL VOLTAGES MEASURED WITH RESPECT TO GROUND USING A TRUE RMS VOL OF 1MΩ AC INPUT IMPEDANCE AND OF 10MΩ DC INPUT IMPEDANCE. VOLTAGES MAY VARY ±20%. TEST CONDITIONS: LINE VOLTAGE 120VAC 60Hz. ALL DC AND SUPPLY MEASUREMENTS MADE WITH NO INPUT SIGNAL. REVERB CONTROLS FULL CC. FULL 50% ROTATION. NORMAL BRITISH SWITCH OUT. DRIVE ("YELLOW") MODE SELECTED. BIAS SET TO 38mA PER OUTPUT TUBE. SEE NOTE 5. AT 12 POWER TRANSFORMER PRIMARY: SET BIAS ADJUST POTENTIOMETER TO 10Ω IN A READING OF TEMPERATURE ONLY. READINGS OBSERVED AT TP21 AND TP22 WILL VARY GREATLY DEPENDING ON INDIVIDUAL REVERB PAN RESPONSE. THE VOLTAGE GAIN AT LEB SHOULD BE 82. COLORS IN PARENTHESES ARE FOR 230V AND 240V UNITS. "MORE DRIVE" ADDS 12.7dB OF GAIN TO THE "DRIVE" MODE.



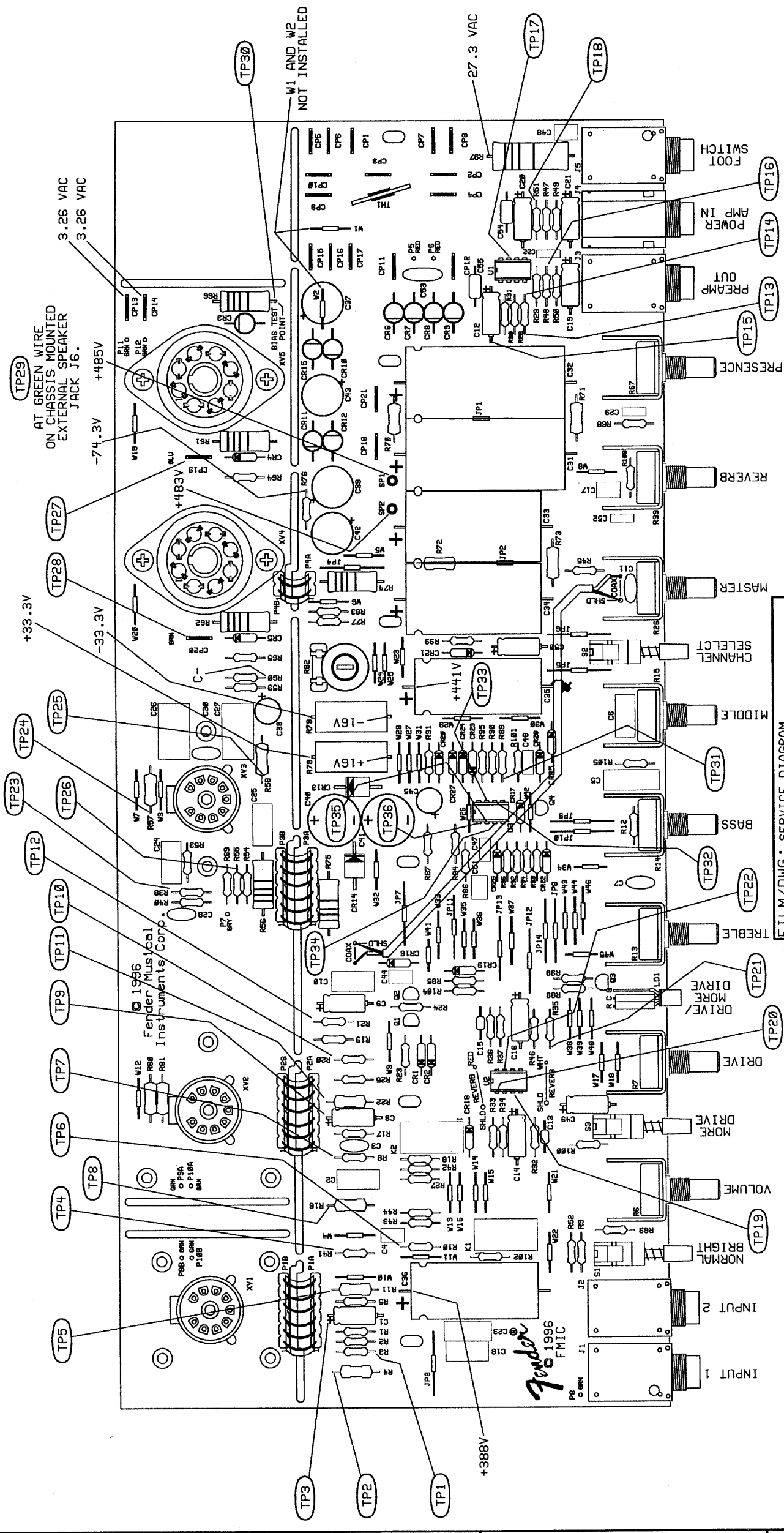
**FOOTSWITCH OPERATION:**  
 TP31 (REF PIN, CHANNEL SELECT):  
 +1.88V NORMAL MODE ("YELLOW").  
 +1.88V DRIVE MODE ("RED").  
 TP32 (INPUT PIN, CHANNEL SELECT):  
 WITH FOOTSWITCH--  
 +2.6V WITH CHANNEL SELECT OFF.  
 WITH FRONT PANEL SWITCHES--  
 +.53V WITH CH. SEL. IN.  
 TP33 (OUTPUT PIN, CHANNEL SELECT):  
 -1.8V NORMAL MODE ("YELLOW").  
 -1.8V DRIVE MODE ("RED").  
 -1.8V MORE DRIVE MODE ("RED").  
 TP34 (REF. PIN, DRIVE/MORE DRIVE):  
 -12.5V NORMAL MODE ("YELLOW").  
 -4.98V DRIVE MODE ("RED").  
 -4.14V MORE DRIVE MODE ("RED").  
 TP35 (INPUT PIN, DRIVE/MORE DRIVE):  
 WITH FOOTSWITCH-- DRIVE MODE SELECTED ("YELLOW").  
 WITH FRONT PANEL SWITCHES--  
 -6.52V WITH MORE DRIVE SELECTED ("RED").  
 -5.2V WITH MORE DRIVE IN.  
 TP36 (OUTPUT PIN, DRIVE/MORE DRIVE):  
 -1.9V DRIVE MODE ("YELLOW").  
 -1.6V MORE DRIVE MODE ("RED").

**NOTE:** THE FOOTSWITCH OVERLAPPS THE FRONT PANEL SWITCHES.

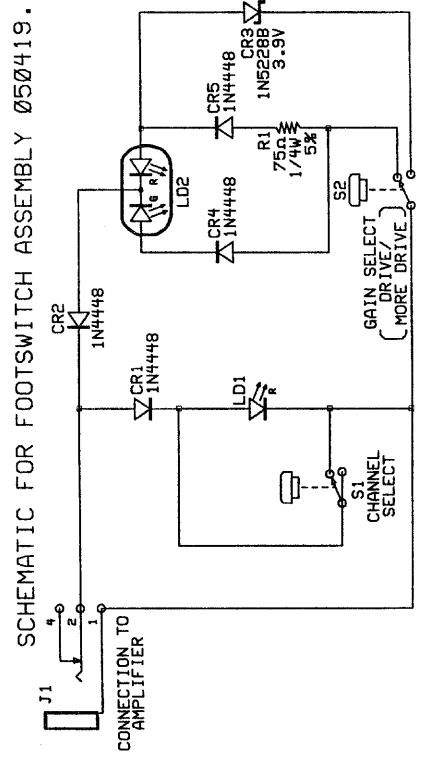
1 2 3 4 5 6 7 8

REVISIONS		DATE	APPROVED
ZONE	DESCRIPTION	13-MAY-96	MDW
A	RELEASED PR323		

NOTES:  
1.3 WIRES NOT SHOWN FOR CLARITY.



FILM/DWG: SERVICE DIAGRAM  
 DATABASE: Z323P.DBF DATE: 28-APR-96  
 LAYERS PLOTTED: 1 2 3 4 18



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 IT IS TIME...  
 NEXT HIGHER ASSEMBLY:

MUSICAL INSTRUMENTS  
 2621 Research Dr. 1vc  
 Corona, CA 91720 USA  
 TITLE: SERVICE DIAGRAM  
 H/R DEVILLE, H/R DEVILLE 212.  
 SIZE: C  
 DRAWING: M.WILKENS DRAWING NUMBER: Ø50386  
 ENGR: M.WILKENS REV. A  
 CREATED: 07-MAY-96  
 PLOTTED: 28-APR-96 SHEET 1 OF 1

1 2 3 4 5 6 7 8