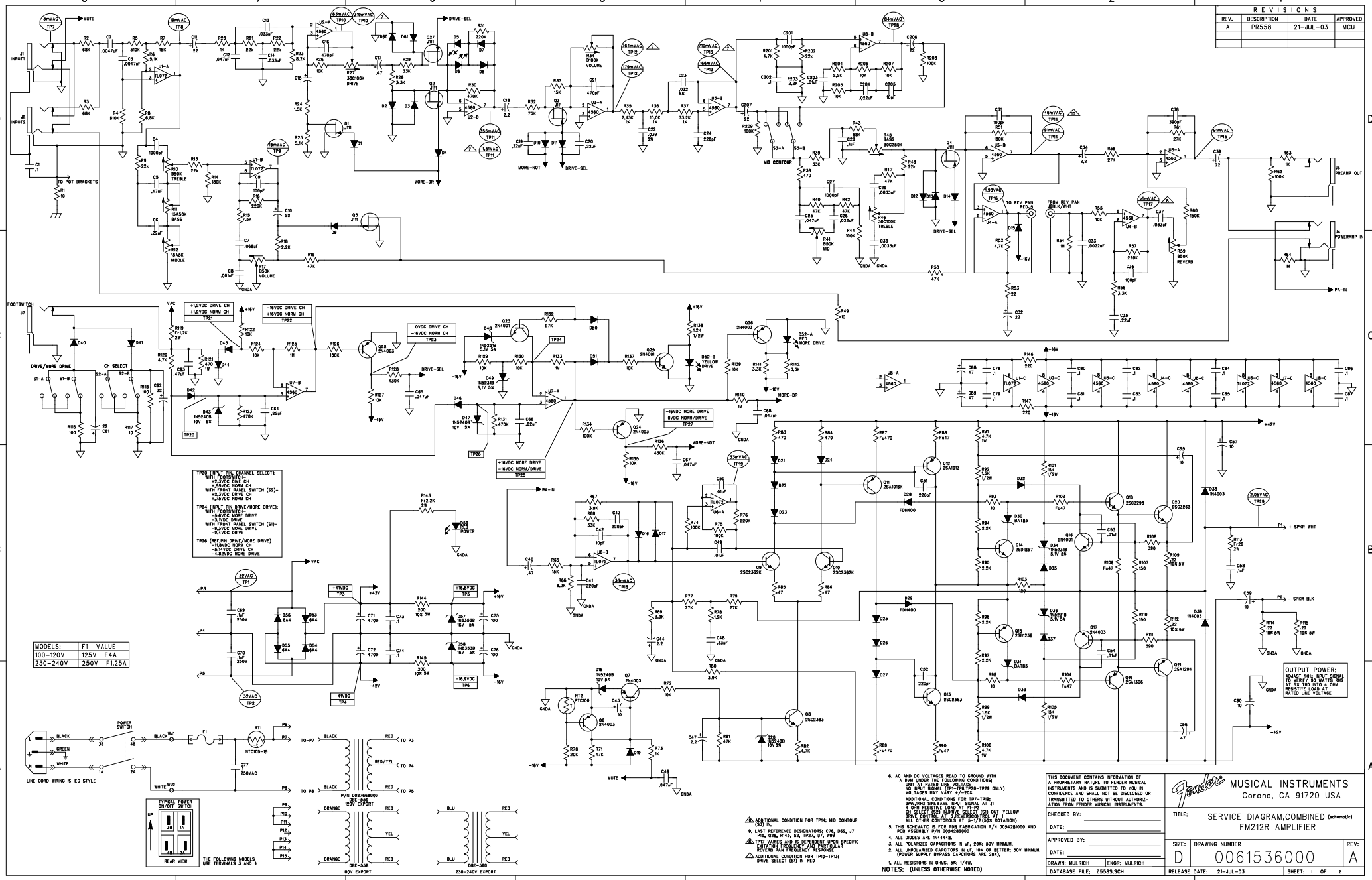
REVISIONS
REV. | DESCRIPTION | DATE | APPROVED
A | PR558 | 21-JUL-03 | MCU
MUSICAL INSTRUMENTS
Corona, CA 91720 USA
SERVICE DIAGRAM,COMBINED (schematic)
FM212R AMPLIFIER
SIZE: D
DRAWING NUMBER 0061536000
REV: A
DRAWN: MULRICH
ENGR: MULRICH
DATABASE FILE: Z558S.SCH
RELEASE DATE: 21-JUL-03
SHEET: 1 OF 2
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:
APPROVED BY:
DATE:
MODELS: | F1 VALUE
100-120V | 125V F4A
230-240V | 250V F1.25A
NOTES: (UNLESS OTHERWISE NOTED)
1. ALL RESISTORS IN OHMS, 5%, 1/4W.
2. ALL UNPOLARIZED CAPCITORS IN uF, 10% OR BETTER; 50V MINMUN. (POWER SUPPLY BYPASS CAPCITORS ARE 25V).
3. ALL POLARIZED CAPACITORS IN uF, 20%; 50V MINMUN.
4. ALL DIODES ARE 1N4448.
5. THIS SCHEMATIC IS FOR ROB FABRICATION P/N 005428J000 AND PCB ASSEMBLY P/N 005428Z000
6. AC AND DC VOLTAGES READ TO GROUND WITH A DVM UNDER THE FOLLOWING CONDITIONS: UNIT AT RATED LINE VOLTAGE NO INPUT SIGNAL (TP1-TP6,TP20-TP29 ONLY) VOLTAGES MAY VARY +/-20%
ADDITIONAL CONDITIONS FOR TP7-TP19: 2mV,1KHz SINEWAVE INPUT SIGNAL AT J1 4 OHM RESISTIVE LOAD AT P1-P2 CH SELECT (S2) NORMAL SELECT (S1) OUT YELLOW DRIVE CONTROL AT 3-1/2 (50% ROTATION) ALL OTHER CONTROLS AT 5-1/2 (50% ROTATION)
7. LAST REFERENCE DESIGNATORS: C76, D62, J7 P15, Q36, R145, S2, TP27, U7, W99
8. TP17 VARIES AND IS DEPENDENT UPON SPECIFIC EXITATION FREQUENCY AND PARTICULAR REVERB PAN FREQUENCY RESPONSE
9. ADDITIONAL CONDITION FOR TP10: MID CONTOUR CS3) IN.
10. ADDITIONAL CONDITION FOR TP19-TP13; DRIVE SELECT (S1) IN RED
OUTPUT POWER: ADJUST 1KHz INPUT SIGNAL LEVEL FOR 90 WATTS RMS AT 5% THD INTO 4 OHM RESISTIVE LOAD AT RATED LINE VOLTAGE
THE FOLLOWING MODELS USE TERMINALS 3 AND 4
LINE CORD WIRING IS IEC STYLE
100V EXPORT
230-240V EXPORT
REAR VIEW
TYPICAL POWER ON/OFF SWITCH
TP20 (INPUT PIN, CHANNEL SELECT): WITH FOOTSWITCH— +1.2VDC DRIVE CH +1.2VDC NORM CH WITH FRONT PANEL SWITCH (S2)— +1.2VDC DRIVE CH +1.75VDC NORM CH
TP24 (INPUT PIN DRIVE/MORE DRIVE): WITH FOOTSWITCH— -5.6VDC MORE DRIVE -3.1VDC DRIVE WITH FRONT PANEL SWITCH (S1)— -8.3VDC MORE DRIVE -5.41VDC DRIVE
TP26 (REF.PIN DRIVE/MORE DRIVE) —11.8VDC NORM CH —5.14VDC DRIVE CH —4.82VDC MORE DRIVE