THIS PRODUCT MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS #2817706, #2936676, #152859 AND PATENTS PENDING.

INPUTS

NORMAL

VIBRATO

V1A 7025 — V1B — V2A 7025 — V2B — V3 12AT7 — V4A 7025 — V4B — V5 12AX7A — V5A — V5B — V6A 12AT7 — V6B — V7 — V8 — V9 — V10 — 6L6GC (4)

TR1 — TR2 — TR3 — TR4

BRIGHT SWITCH — TREBLE 250K-J — BASS 250K-J — VOLUME 1M-J — MIDDLE 10K-J — MASTER VOLUME AND PUSH-PULL SWITCH — SPEED — INTENSITY — BALANCE — REVERB 100K-L — REVERB UNIT — REVERB PEDAL — VIBRATO PEDAL — STANDBY SWITCH — GROUND SWITCH — A.C. RECEPT. 200W — 3AMP SLO-BLO FUSE — A.C. SWITCH — U.L. .047 600V — CSA THERMAL PROTECTOR CIRCUIT — TO ALL 6.3V HEATERS AND PILOT LIGHTS — 4 TO 8 OHMS EXTERNAL SPEAKER

# DENOTES RED DOT ON SPEAKER

SPEAKER HOOKUP FOR SUPER SIX REVERB

SPEAKER HOOKUP FOR VIBROSONIC REVERB

SPEAKER HOOKUP FOR DUAL SHOWMAN REVERB AND TWIN REVERB

SPEAKER HOOKUP FOR QUAD REVERB

FENDER P/N	ON EXPORT MODEL
022784	TR1-125P34AX
022756	TR1-125P34A
022699	TR2-125C1A
022689	TR3-125A29A
# 022697	TR3-125A30A
022521	TR4-125A20A

VIBROSONIC REVERB ONLY

+470V - STANDBY OFF
+445V - STANDBY ON

117 to 240V EXPORT VERSIONS ONLY (50/60 Hz)

VOLTAGE SELECTOR — 240V, 230V, 220V, 210V, 200V, 117V, COMMON — BLK/RED, BLK/GRN, BLK/YEL, BLK/WHT, BLK/ORG, WHT, BLK

3 AMP SLO-BLO FUSE — D.P.S.T. A.C. SWITCH

NOTE: GROUND SWITCH, U.L. .047 600V AND A.C. OUTLET DELETED

FENDER MUSICAL INSTRUMENTS
CBS MUSICAL INSTRUMENTS
A DIVISION OF COLUMBIA BROADCASTING SYSTEMS INC.
FULLERTON, CALIFORNIA
U.S.A.

1. # DIODE USED IN SOME VERSIONS.
2. MASTER VOLUME PUSH-PULL SWITCH DESIGNATED MVS SHOWN IN "OUT" POSITION, PUSH IN FOR PURE SOUND. USED IN SOME VERSIONS.
4. FENDER P/N FOR CONTROLS INDICATED.
3. ALL CAPACITORS AT LEAST 600V, W.V.D.C.
2. ALL RESISTORS 1/2 WATT ± 10%.
1. VOLTAGES READ TO GROUND WITH V.T.V.M. WITH VIBRATO GROUNDED (EXCEPT V3) - NO INPUT SIGNAL.

NOTES: UNLESS OTHERWISE SPECIFIED

MODEL NO.	USED ON
	VIBROSONIC REV. EXP.
	VIBROSONIC REVERB
	SUPER SIX REVERB EXP.
	QUAD REVERB EXPORT
	DUAL SHOWMAN REV. EXP.
	TWIN REVERB EXPORT
CRATING	SUPER SIX REVERB
CRATING	QUAD REVERB
CRATING	DUAL SHOWMAN REVERB
	TWIN REVERB

DO NOT SCALE DRAWING

CBS

— SCHEMATIC —
100 WATTS RMS AMP
W/ REVERB AND VIBRATO

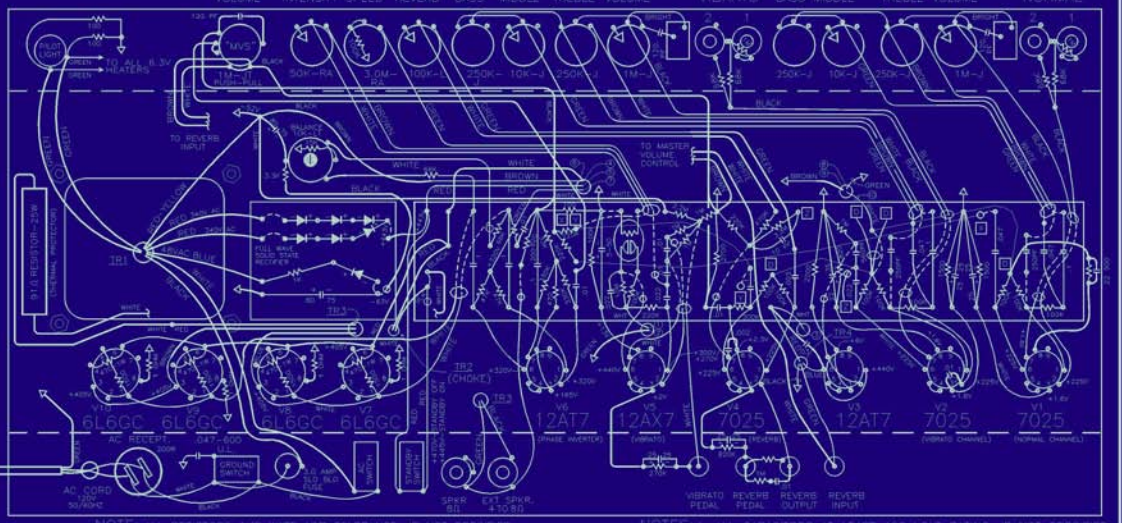
SIZE D — DWG. NO. 010182 — REV. F

SCALE — SHEET SEVERAL — SHEET 1 OF 1

FENDER MODEL "TWIN REVERB-AMP 100W RMS" LAYOUT WITH REVERB AND VIBRATO

NOTICE

VOLTAGES READ TO GROUND WITH V.T.V.M. WITH VIBRATO GROUNDED (EXCEPT V5) – NO INPUT SIGNAL



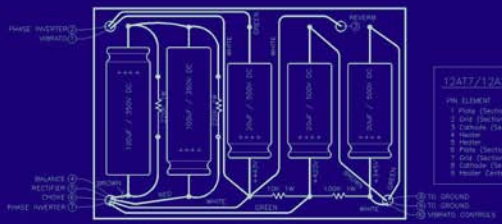
NOTE: ALL RESISTORS 1/2 WATT 10% TOLERANCE, IF NOT SPECIFIED.

NOTES: 1. ALL CAPACITORS AT LEAST 400 VOLT RATING, IF NOT SPECIFIED.
2. MASTER VOLUME PUSH-PULL SWITCH INDICATED AS "MVS". PUSH IN FOR PURE SOUND.

Fender Twin Reverb
Power Transformer Schematic

TB1 POWER TRANSFORMER
TB2 CHOKE
TB3 OUTPUT TRANSFORMER
TB4 REVERB TRANSFORMER

FENDER MUSICAL INSTRUMENTS
CBS MUSICAL INSTRUMENTS
A DIVISION OF COLUMBIA BROADCASTING SYSTEMS, INC.
FULLERTON, CALIFORNIA
U.S.A.



FILTER CAPACITOR LAYOUT

12AT7/12AX7 SCHEMATIC

PIN	ELEMENT
1	Plate (Section 2)
2	Grid (Section 2)
3	Cathode (Section 2)
4	Heater
5	Heater
6	Plate (Section 1)
7	Grid (Section 1)
8	Cathode (Section 1)
9	Heater Center-Tap

6L6GC SCHEMATIC

PIN	ELEMENT
1	NONE
2	HEATER (FILAMENT)
3	PLATE (ANODE)
4	SCREEN GRID
5	CONTROL GRID
6	NONE
7	HEATER (FILAMENT)
8	CATHODE

D	INC. ECO 2730 & ECO2063	4-18-7	
C	INCORPORATED ECO 1687	2-16-7	
B	INCORPORATED ECO 1069	2-21-6	
A			

THIS PRODUCT MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS #2817708, #2973481, #1985958 AND PATENT PENDING.

MASTER VOLUME CONTROL WAS ADDED IN NOVEMBER 1972 AS REV. D.
THIS DRAWING BASED ON AS-BUILT OF 1974 EXAMPLE ALL VALUES SHOWN ARE TAKEN FROM 100W MASTER VOLUME SCHEMATIC.

DWN.	F.T.	DATE	Fender MUSICAL INSTRUMENTS SANTA ANA, CALIFORNIA
CHK.		DATE	DWG. TITLE SCHEMATIC WIRING DIAGRAM – TWIN REVERB, TUBE TYPE
APVD.		DATE	
APVD.		DATE	
APPROVAL		DATE	PELL NO. / SIZE / DWG. NO. 045377 / REV. D / E
APPROVAL	8-28-69		SCALE NONE / MODEL TWIN REVERB TUBE TYPE / SHEET 2 OF 2