



FENDER MUSICAL INSTRUMENTS
1130 Columbia Street
Brea, California 92621

TECHNICAL SERVICE BULLETIN
NOVEMBER 18, 1986
REVISED 4/15/87
PAGE 1 OF 2

FIELD CHANGE NOTICE 6-003

EFFECTIVITY:

SUNN part number 9909971-510 SX6350 and 9909971-520 SX8350 powered mixers, early production.

REASON FOR CHANGE:

To provide better thermal tracking thereby increasing stability and reliability.

MATERIAL REQUIRED:

- (1) 990-22-0067-0 transistor, GE67A with heatsink
- (1) 990-22-5023-0 transistor, Motorola MJ15023
- (1) 990-22-0042-0 transistor, Motorola MPSW42
- (1) 990-22-0092-0 transistor, Motorola MPSW92
- (2) 990-17-0301-0 resistors, 300 ohm, 10W
- (2) 990-13-0052-0 resistors, 5.6 ohm, 1W, 5%
- (1) 990-75-0500-0 wire, 4", 24AWG, red
- (1) 990-75-0501-0 wire, 4", 24AWG, green
- (1) 990-75-0502-0 wire, 4", 24AWG, black
- (4) 990-43-0093-0 washer, nylon shoulder
- (4) 990-43-0018-0 nut, 4/40
- (4) 014174-000 screw, 4/40

PARTS KIT:

Order parts kit KFC 6-003

MODIFICATION PROCEDURE:

Prepare the GE67A transistor for installation by following these two steps: (an RCA SK9143 is an acceptable substitute for GE67A).

1. Increase the mounting hole in its heatsink from 0.140" to 0.156" using a 5/32" drill.
2. Using 4" lengths of 24AWG wire, strip and tin 3/16" from each end. Solder one end of the red wire to the collector, one end of the black wire to the emitter and one end of the green wire to the base. Slide sleeving over the solder joints.



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TECHNICAL SERVICE BULLETIN
NOVEMBER 20, 1986
REVISED 3/24/87
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FIELD CHANGE NOTICE 6-005

EFFECTIVITY:

SUNN part number 9909971-500 SX4150, 9909971-510 SX6350 and 9909971-520 SX8350 powered mixers operating in a strong radio frequency environment.

REASON FOR CHANGE:

To eliminate or reduce susceptibility to radio frequency interference.

MATERIAL REQUIRED:

(16) capacitors, 100 picofarad, 50V, disc ceramic (part # 069724)
(1) wire, 23", 20AWG, black

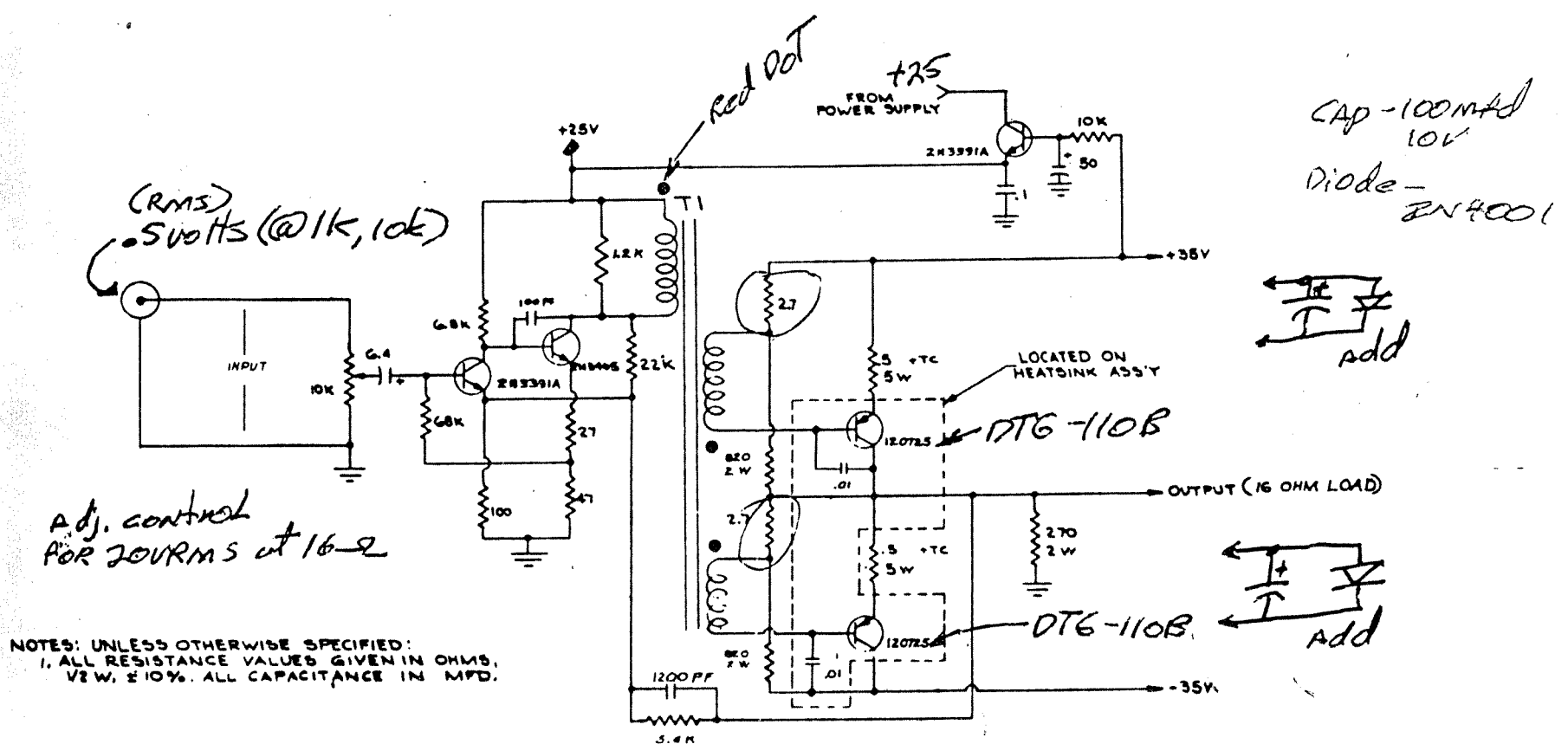
PARTS KIT:

Order parts kit KFC 6-005

MODIFICATION PROCEDURE:

On the preamp board, cut traces to isolate pin 1 of the XLR connector on all input channels except channel 1. Hardwire each XLR pin 1 connection individually to the pin 1 connection on channel 1. **DO NOT DAISY CHAIN THESE CONNECTIONS!** Separate wires must spread out from channel 1, pin 1 in star fashion to pin 1 of each channel but each wire must be kept as short as possible.

Install a 100pf capacitor between pin 1 and pin 2 of each XLR connector. In addition, install a 100pf capacitor between pin 1 and pin 3 of each XLR connector.



UPDATE: REMOVE 2.7Ω RES., ADD DIODE +
CAPACITOR NETWORK IN PLACE OF RESISTOR
REMOVE DTG-110B, INSTALL MTS2955

Figure 11-9. Schematic — Power Module — 80 Watt Suitcase

TRANSISTOR PINOUTS:

MPS A43
2N5089
2N5401
2N4888
2N4250
MPS W42
MPS W92
5X943 or GE67A

PIN: 1. EMITTER
 2. BASE
 3. COLLECTOR

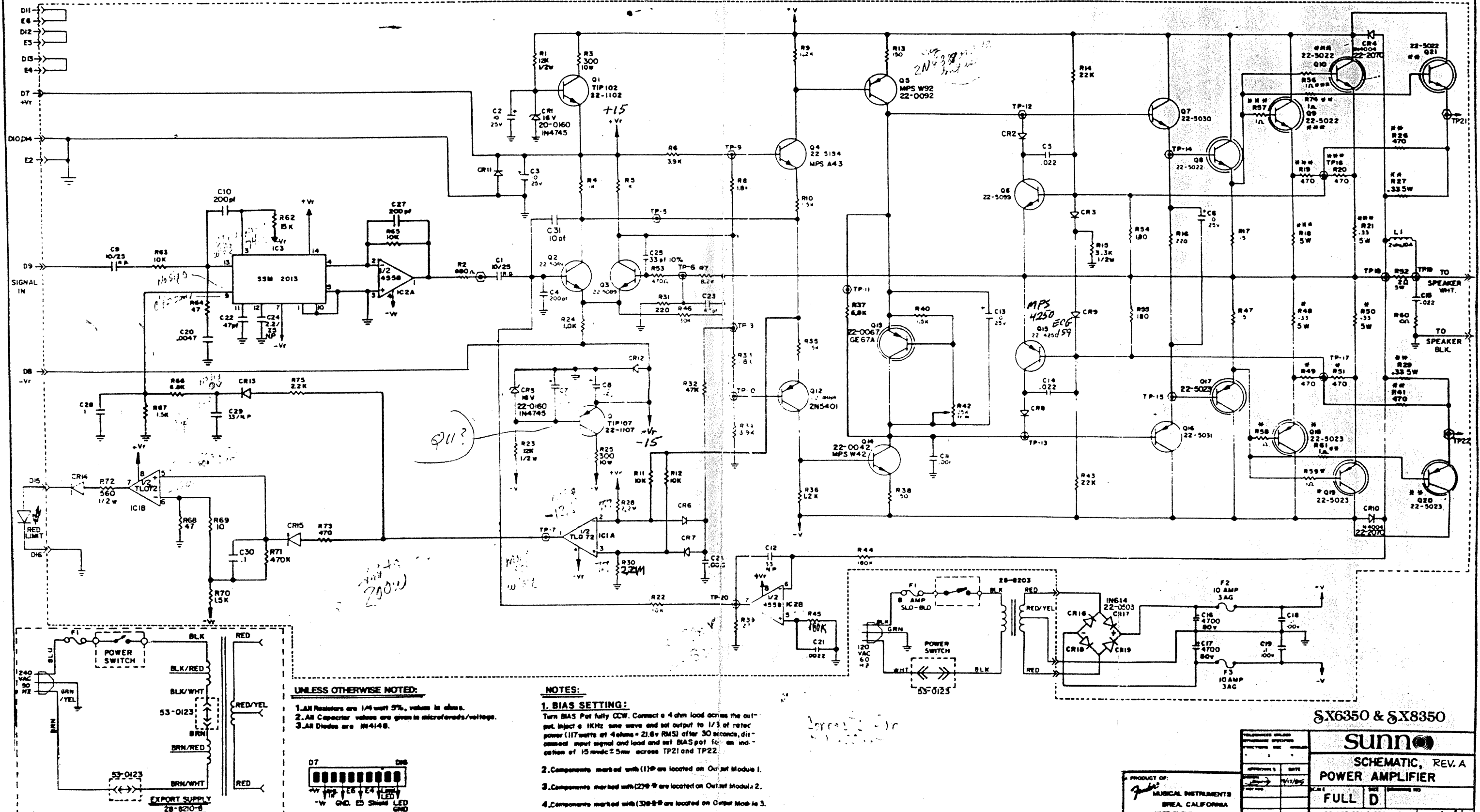
TIP 02
TIP 07
MJE 15030
MJE 15031

PIN: 1.BASE
2.COLLECTOR
3.EMITTER
4.COLLECTOR

MJ 15022
MJ 15023

PIN: 1.BASE
 2.EMITTER
 CASE.COLLECTOR

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	2-2-5 3-1-1 A-C	4/8/86	See also R



§X6350 & §X8350



SCHEMATIC, REV. A
POWER AMPLIFIER

SIZE	WEIGHT	WEIGHTING
FULL	D	

DO NOT SCALE DRAWING	SHEET	01
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TRANSISTOR PINOUTS:

MPS A43
2N5089
2N5401
2N4868
2N4250
MPS W42
MPS W92
SK9143 or GE67A

PIN: 1.EMITTER
2.BASE
3.COLLECTOR

TIP102
TIP107
MJE 15030
MJE 15031

PIN: 1.BASE
2.COLLECTOR
3.EMITTER
4.COLLECTOR

MJ 15022
MJ 15023

PIN: 1.BASE
2.EMITTER
CASE: COLLECTOR

REVISIONS			
LTN	DESCRIPTION	DATE	APPROVED
A	FEELTS S... A C	9/8/84	SpK
3	ADD C31 & C32 ECO# 201094	12/1/84	SpK

