



REVISION HISTORY	
Rev 7.0	19 APR 2000 PTC "resettable fuse" added to mute relay circuit
Rev 4.1	27 JAN 97 New mute relay function
Rev 3.0	30 Nov 1995 terminal "A" replaced by + and - input sense terminals
Rev 2.01	July 1995 470u/16v cap in feedback network replaced with 2200u/10v
Rev 2.0	June 95 "Output A" chg'd to "INPUT SENSE", bias trim pot chg'd to 2K, input resistor chg'd to 33R (Sons: 4B: 2K2, INsense chg'd to 1M, Sons: 22K), feedback shunt res. chg'd to 499R (Sons: 1K0) and shunt cap chg'd to 1000u emitter res's chg'd to 2R22/5W for 4B, feedback cap chg'd to 68p (Sons: 22p) & res chg'd to 7K15 (Sons: 33K2), DC OS limit resistors chg'd from 100K to 90K9 and from 1M to 475K & DC OS injection chg'd from non-inv to inverting input, low voltage limit, chg'd to 1K65/5W (4B: 5K9/2W)
Rev 2.0	June 95 200K (2) in DC-O/S chg'd to 100K; 2N5210 in bias chg'd to 2N5550; output res chg'd to 6W; output "A" added

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By: **ST**

4B POWER AMPLIFIER CHANNEL MAIN BOARD SCHEMATIC

Circuitry located on printed circuit boards (PCB's) PWR-MB/7.0 and 4B-IIIa

POWER TRANSISTORS

CASE TO-126 77-04
MJE182
E C B

CASE 221A-02
MJE15030
MJE15031
B C E

BR6521/6522

BOTTOM VIEW

CASE TO-204AA 001-04

SJE1490 = MJE15030
SJE1491 = MJE15031

Components shown within the dashed boxes are located on separate outrigger boards that are connected to the main board (PWR-MB) via 4 insulated 16g stranded wire jumpers each. The 4B and 470 models use 4B outrigger boards. (4B3A)

ALL RESISTORS ARE .6 WATT
1% EXCEPT WHERE NOTED.

SYMBOL SHOWS JUMPER CONNECTIONS BETWEEN MAIN AND OUTRIGGER BOARDS