

*Stereophonic*

# THE FISHER X-100-B

# SERVICE

# MANUAL



MODEL X-100-B

CHASSIS SERIAL NUMBERS  
FROM 10001 TO 19999 INCLUSIVE

PRICE: \$1.00

FISHER RADIO CORPORATION • NEW YORK

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# PARTS DESCRIPTION LIST

## CAPACITORS

10% tolerance for all fixed capacitors, unless otherwise noted or marked GMV (guaranteed minimum value). All capacitors not marked uf are pF (uuf).

Symbol	Description	Part No.
C1	Electrolytic, 200uf, 250V	C50180-20
C2	Electrolytic, 2 section: A — 200uf, 250V B — 40uf, 500V	C50180-19
C3	Electrolytic, 3 section: A — 40uf, 450V B — 40uf, 400V C — 20uf, 300V	C50180-18
C4	Electrolytic, 100uf, 100V	C633-143
C5, 6	Ceramic, .01uf, 20%, 500V	C50089-3
C7, 8	Mylar, .022uf, 400V	C50197-28
C9, 10	Ceramic, 68, 1000V	C50070-16
C11, 12	Ceramic, 680, 1000V	C50072-2
C13, 14	Mylar, .022uf, 400V	C50197-28
C15, 16	Ceramic, 180, 1000V	C50072-23
C17, 18	Mylar, .047uf, 400V	C50197-30
C19, 20	Ceramic, 68, 1000V	C50070-16
C21, 22	Mylar, .022uf, 250V	C50197-50
C23, 24	Ceramic, 180, 5%, 1000V	C50072-23
C25, 26, 27, 28	Mylar, .047uf, 400V	C50197-30
C29, 30	Ceramic, 680, 1000V	C50072-2
C31, 32	Ceramic, 10, 1000V	C50070-11
C33	Molded, 01uf, 20%, 600V	C2747

## RESISTORS AND POTENTIOMETERS

In Ohms, 5% tolerance, 1/3 Watt, unless otherwise noted. K=Kilohms, M=Megohms.

Symbol	Description	Part No.
R1, 2	Dep. Carbon, 220K	R33DC224J
R3, 4	Dep. Carbon, 56K	R33DC563J
R5, 6	Dep. Carbon, 100K	R33DC104J
R7, 8	Dep. Carbon, 56K	R33DC563J
R9, 10	Dep. Carbon, 10K	R33DC103J
R11, 12	Glass, 330K, 1W	R30G334J
R13, 14	Glass, 2.2K, 1W	R30G222J
R15, 16	Dep. Carbon, 2.2M	R33DC225J
R17, 18	Dep. Carbon, 220K	R33DC224J
R19, 20	Dep. Carbon, 560K	R33DC564J
R21, 22	Composition, 10M, 10%, 1/2 W	RC20BF106K
R23, 24	Dep. Carbon, 2.2M	R33DC225J
R25, 26	Dep. Carbon, 2.2K	R33DC222J
R27, 28	Dep. Carbon, 82K	R33DC823J
R29, 30	Dep. Carbon, 1M	R33DC105J
R31, 32, 33, 34	Dep. Carbon, 220K	R33DC224J

R35, 36	Dep. Carbon, 2.2K
R37, 38	Dep. Carbon, 82K
R39, 40	Dep. Carbon, 22K
R41, 42	Dep. Carbon, 10K
R43, 44	Dep. Carbon, 1.2K
R45, 46	Dep. Carbon, 220
R47, 48	Dep. Carbon, 470K
R49, 50	Dep. Carbon, 68K
R51, 52	Dep. Carbon, 1.8K
R53, 54	Dep. Carbon, 56K
R55, 56, 57, 58, 59, 60	Dep. Carbon, 330K
R61, 62, 63, 64	Dep. Carbon, 1K
R65, 66	Glass, 25, 10%, 5W
R67, 68	Composition, 330, 10%, 1W
R69	Composition, 3.3K, 1/2 W
R70	Potentiometer, 5K, Bias
R71	Glass, 560, 10%, 5W
R72	Glass, 2.5K, 10%, 10W
R73	Composition, 1K, 10%, 1/2 W
R74	Composition, 2.2K, 10%, 1/2 W
R75	Composition, 100K, 10%, 1/2 W
R76	Composition, 820, 10%, 1/2 W
PO1	Potentiometer, 500K, Dual Bass
PO2	Potentiometer, 500K, Dual Treble
PO3	Potentiometer, 500K, Dual Volume
PO4	Potentiometer, 500K, Balance

R33DC222J
R33DC823J
R33DC223J
R33DC103J
R33DC122J
R33DC221J
R33DC474J
R33DC683J
R33DC182J
R33DC563J

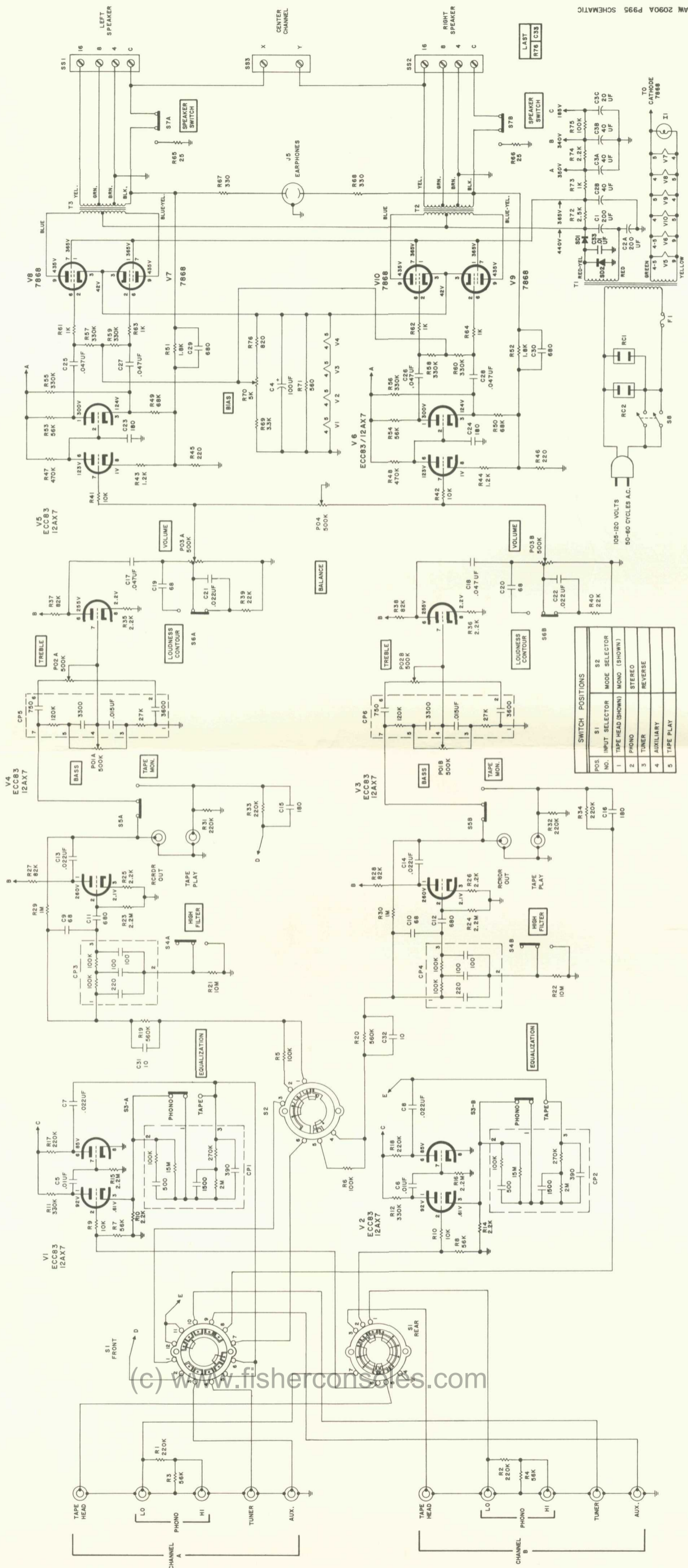
R33DC334J

R33DC102J
RPG5W250K
RC30BF331K
RC20BF332J
R50103-4
RPG5W561K
RPG10W252K
RC20BF102K
RC20BF222K
RC20BF104K
RC20BF821K
R50160-127
R50160-127
R50160-128
R50160-129

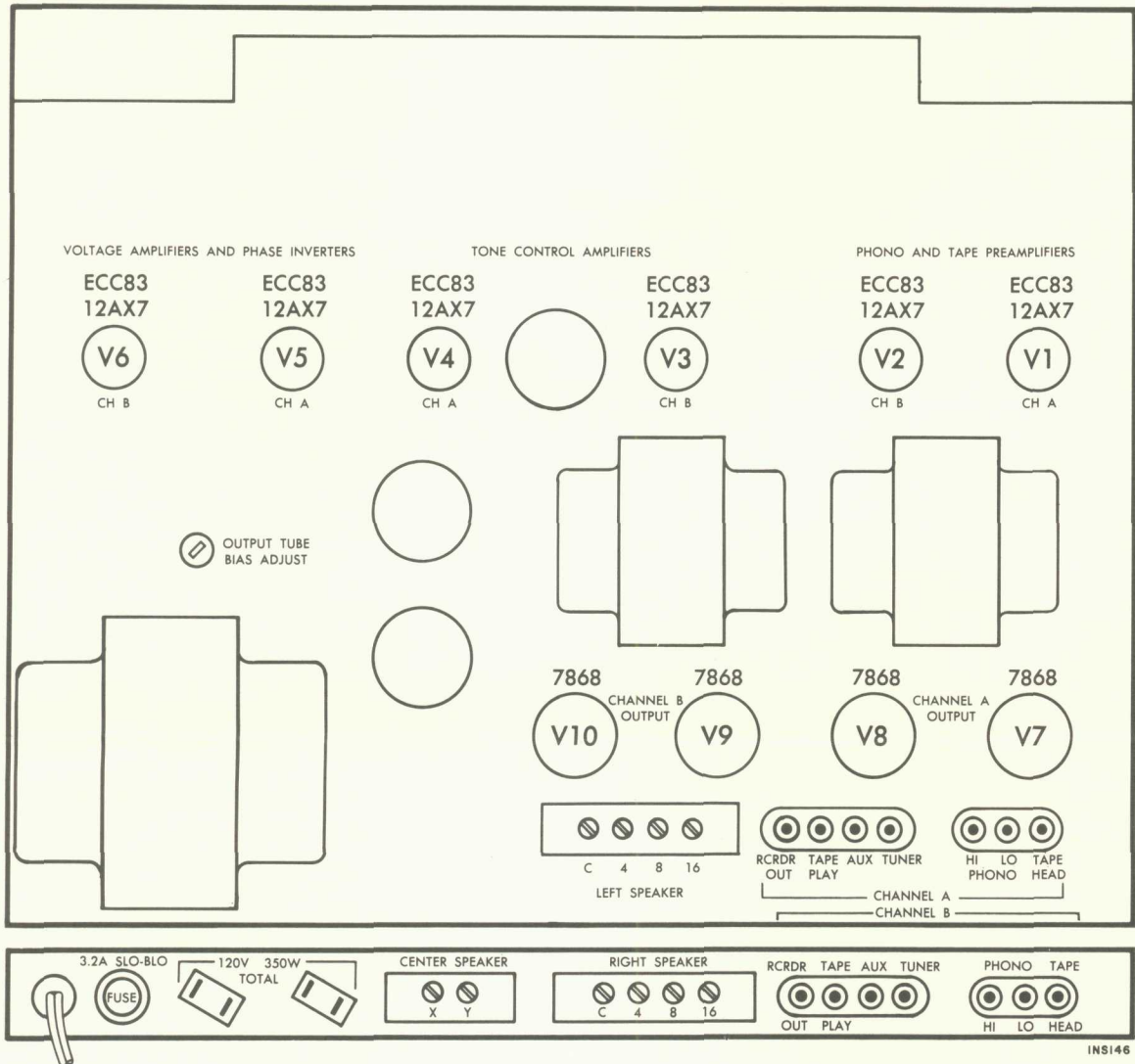
## MISCELLANEOUS

Symbol	Description	Part No.
CP1, 2	Printed Circuit, Phono-Tape Equalization	PC50187-3
CP3, 4	Printed Circuit, High Filter	PC50187-2
CP5, 6	Printed Circuit, Tone Control	PC50187-9
F1	Fuse, 3.2 Amp., Slo-Blo	F3319
I1	Pilot Lamp #470F	I50009-4
S1	Switch, Selector	S995-117
S2	Switch, Mode Selector	S995-114
S3, 4, 5, 6, 7	Switch, Slide	S50200-5
SD1, 2	Silicon Diode	SR50411-1
T1	Transformer, power	T951-115
T2	Transformer, output, CH B	T849-116-6
T3	Transformer, output, CH A	T849-116-5
—	Dress Panel	AS995-108
—	Tube Shield	E3287
—	Knob	E50324
—	Knob, dual front	E50323
—	Knob, dual rear	E50221
—	Fuse Holder	X563-151

# SCHEMATIC DIAGRAM



# TUBE LAYOUT



## BIAS ADJUSTMENT

Adjust the Bias control until a reading of 40 volts is obtained on the cathode (pin 3) of any 7868 output tube.

**SERVICE NOTES**



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