

Models 10H551-10H571

Chassis No. 10A3

All voltages measured with a 1000 ohm per volt meter from chassis to socket contact indicated.

All voltages are positive D.C. unless marked otherwise.

Volume control on full.

Line voltage 117 A.C.

Power consumption—90 watts.

Power output—6.5 watts.

Tuning Range—540 Kc.—1600 Kc.
1.5 Mc.—5.2 Mc. 5.7 Mc.—18.5 Mc.
41.5 Mc.—50.5 Mc.

Stage Gains:

Bc. and 455 Kc.—I.F.

Ant. to R.F. grid—6.5× at 1000 Kc.
R.F. grid to conv. grid—28.1× at 1000 Kc.

Conv. grid. to I.F. grid—31.3× at 455 Kc.

Overall audio—1640× at 1 watt, 400 cycles.

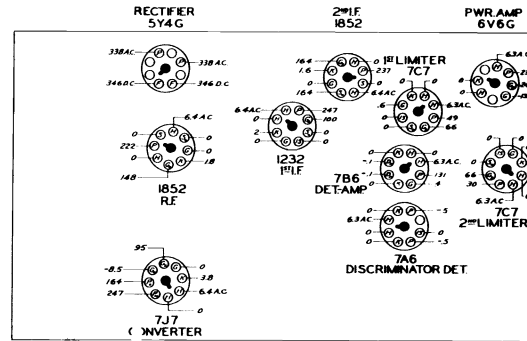
F.M. and 4.3 Mc.—I.F.

Ant. to R.F. grid—1.8× at 46 Mc.
R.F. grid to conv. grid—7.9× at 46 Mc.

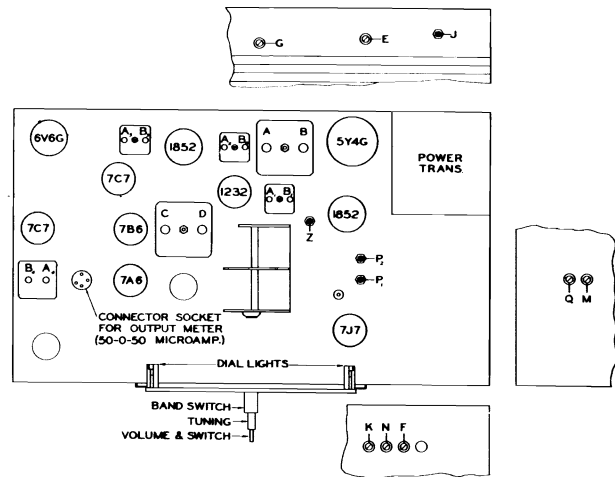
Conv. grid to 1st I.F. grid—2.7× at 4.3 Mc.

1st I.F. grid to 2nd I.F. grid—80× at 4.3 Mc.

2nd I.F. grid to LIMITER grid—25× at 4.3 Mc.



SOCKET VOLTAGES



TUBE AND TRIMMER POSITIONS

ALIGNMENT PROCEDURE

Operation	Connect Test Oscillator to	Dummy Antenna	Input Signal Frequency	Band	Set Dial At	Connect Output Meter to	Trimmers	Purpose
1	Con. Grid	0.5 Mfd.	455 Kc.	B.C.	600 Kc.	6V6G Output	A B C D	Align I.F.
2	R.F. Grid	0.5 Mfd.	455 Kc.	B.C.	600 Kc.	6V6G Output	E	I.F. Trap Adjust for Minimum
3	Ant. terminals marked Z and G	400 Ohms	18 Mc.	S.W.	18 Mc.	"	K	Set to Scale
4	"	"	16 Mc.	S.W.	16 Mc.	"	M	Align Ant.
5	"	"	5.0 Mc.	Med.	5.0 Mc.	"	N	Set to Scale
6	"	"	4.5 Mc.	Med.	4.5 Mc.	"	Q	Align Ant.
7	Single turn Loop Loosely coupled to loop		1400 Kc.	B.C.	1400 Kc.	"	F	Set Osc. to Scale
8	"		1400	B.C.	1400 Kc.	"	G	Align Ant.
9	"		600 Kc.	B.C.	600 Kc.	"	J (Rock Gang)	Broadcast Padder
10	1852 Grid	0.5 Mfd.	4.3 Mc.	Manual F.M.	4.3 Mc.	F.M. Output Meter Across Full Disc. Load	B4	Align for Zero Deflection
11	"	"	"	"	"	F.M. Output Meter Across Half Disc. Load	A4	Align for Max. Deflection
12	"	"	"	"	"	"	A3B3	"
13	767-1232 Grid	"	"	"	"	"	A2B2	"
14	7J7 Grid	"	"	"	"	"	A B	"
15	F.M. Ant. Terminals	100 Ohms	46.0 Mc.	"	46.0 Mc.	"	Adjust cam on gang shaft for scale	"
16	"	"	42.5 Mc.	"	42.5 Mc.	"	P	"
17	"	"	49 Mc.	"	49 Mc.	"	P2	"
18	"	"	46 Mc.	"	46 Mc.	"	Z	"

During F.M. Alignment keep input low, to obtain max. sensitivity for alignment. This is necessary because with large inputs the limiting action of the limiters masks alignment operations.

NOTE—A 10M ohm per volt or higher voltmeter may be used as an F.M. output meter.