



# ADDISON MODEL 50 COMBINATION A.M. & F.M. ... AUTOMATIC PHONOGRAPH

A 50 A 25 cycle walnut  
A 50 B 25 cycle mahogany  
A 50 C 25 cycle bleached mahogany

B 50 A 60 cycle walnut  
B 50 B 60 cycle mahogany  
B 59 A 60 cycle bleached mahogany

## TUBE COMPLEMENT

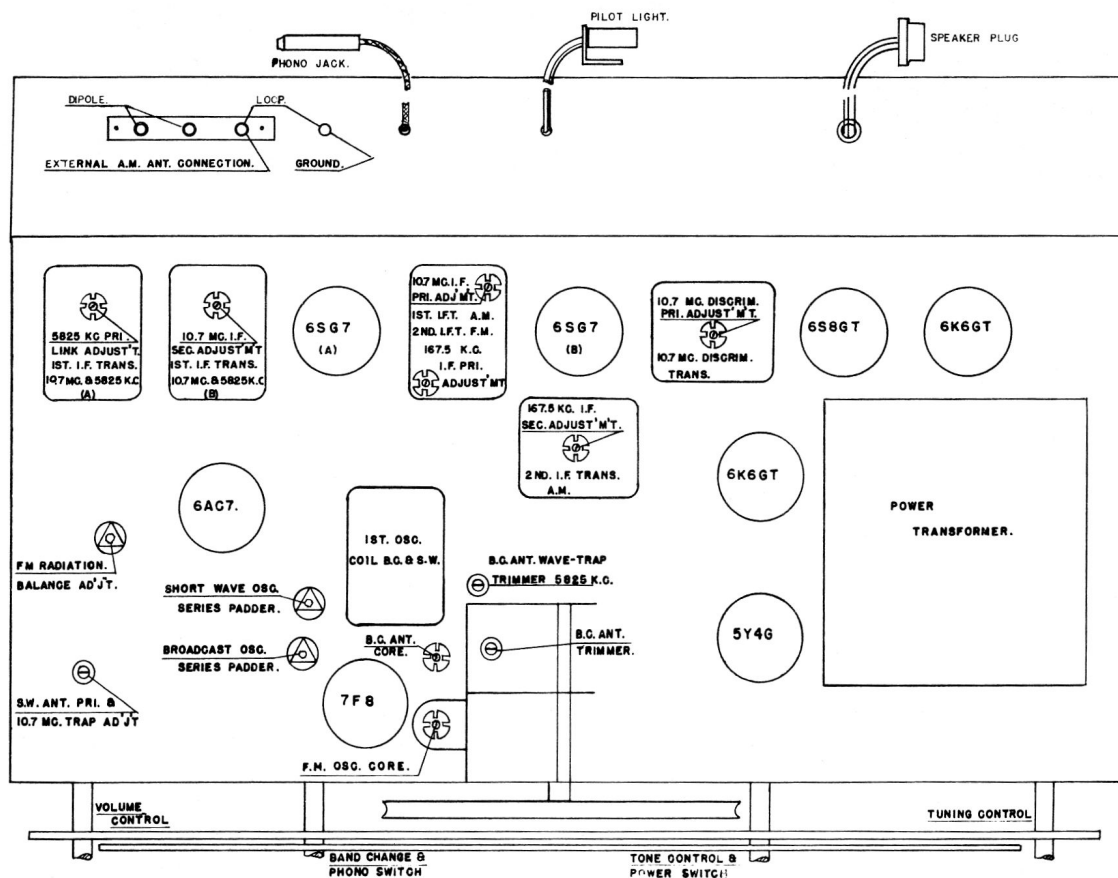
Type	Function
6AC7	1st A.M. Mixer - F.M. Mixer
7F8	1st & 2nd A.M. Osc.- F.M. Osc.
6SG7	2nd A.M. Mixer-- 1st I.F. Ampl. F.M.
6SG7	I.F. Ampl. A.M.- 2nd I.F. Ampl. F.M.
6S8GT	F.M. Det. (Discriminator) A.M. Det. AVC, 1st A.F. Ampl.
2-6K6GT	Push - Pull Output
5Y4G	Rectifier
DIAL BULBS: Type 47, 6.3 v., .15 amp.	



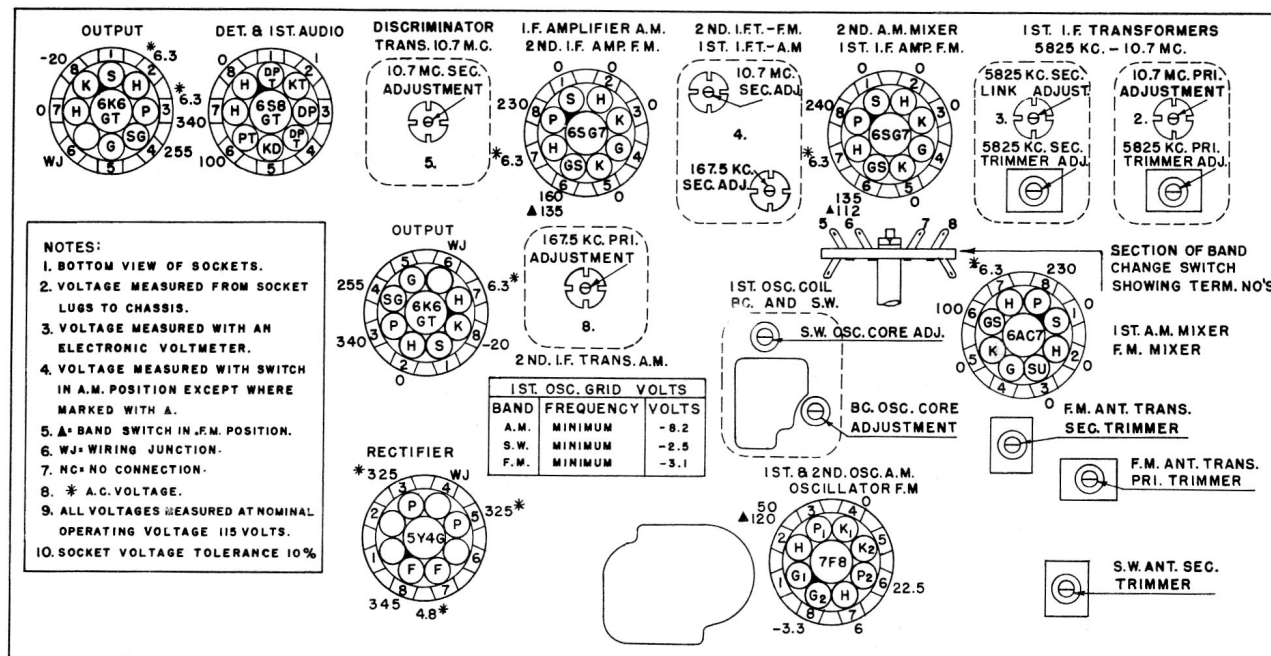
## DESCRIPTION

TYPE: Eight-tube, three-band, super-heterodyne  
FREQUENCY RANGE: Standard American Broadcast Band: 540 to 1600 kc. (Selector Switch to AM position). Short-wave Band: 9.45 to 11.9 mc. (Selector switch at SW position).  
Frequency Modulated Band: 87.9 to 107.9 mc., Channel 200 to 300 (Selector Switch at FM position).  
INTERMEDIATE FREQUENCY: Standard American

Broadcast Band and Short-wave Band: 5825 and 167.5 kc. Frequency Modulation Band: 10.7 mc.  
POWER SUPPLY: a.c. only.  
VOLTAGE RATING: 105-125 volts.  
POWER CONSUMPTION: 85 watts maximum at normal power supply voltage (117 volts), 20 watts additional for record changer.  
POWER OUTPUT: 10.0 watts maximum at 3.2 ohm load.



TOP AND BACK VIEW OF CHASSIS SHOWING  
TUBE LOCATIONS AND TOP ALIGNMENT ADJUSTMENTS



SOCKET VOLTAGE CHART SHOWING BOTTOM ALIGNMENT ADJUSTMENTS

## ALIGNMENT EQUIPMENT

The following equipment is used as indicated in the alignment charts and alignment notes:

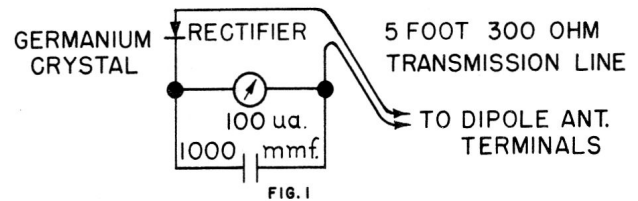
### Signal Generators:

1. Amplitude Modulated Signal Generator with 400 cycle modulated signal to cover 167.5 kc. to 108 mc.
2. Frequency Modulated Signal Generator to cover 87 to 108 mc., with sweep to cover 10 to 30 kc. on narrow band and 450 kc. on wide band (Scope alignment only).

Cathode Ray Oscillograph (Scope alignment only).

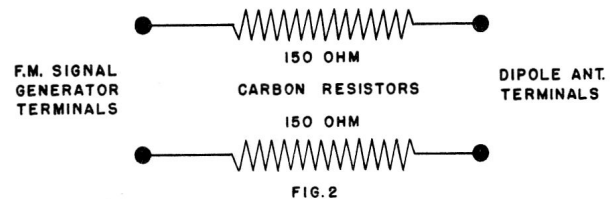
### Meters:

1. Suitable Output Meter.
2. Field Strength Meter (fig. 1). This meter may consist of a D.C. 100 microampere (full scale) meter, shunted by a 1000 mmf. mica bypass condenser; a crystal rectifier connected in series with the meter and a five foot, 75 ohm twisted, pair of leads. The open ends of the leads are connected to the dipole antenna terminals. Connect condenser directly across meter terminals, and crystal directly to one terminal of meter. Keep connecting leads as short as possible.



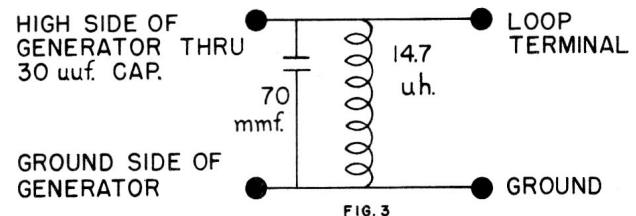
### Dummy Antennas:

1. 300 ohm Dummy Antenna (Fig. 2).
2. Dummy Loop Antenna (Fig. 3) is used to replace "Signal Web" antenna, when chassis is removed from cabinet.



### Condensers:

1. 0.1 mfd. Condenser.
2. 30 mmf. Condenser.



### Shunts:

1. 5000 ohm carbon Resistor in series with a 0.1 mfd. Condenser.
2. Hairpin Shorting Shunt composed to two inches of No. 14 bare tinned copper wire.

### ALIGNMENT PROCEDURE (Output Meter and Scope Method)

1. This receiver has been aligned at the factory for best performance, and no attempt should be made to realign it unless the proper test equipment is available.
2. Turn the tuning condenser to full mesh, against stop, and set the dial pointer to the reference point which is immediately above F.M. at the left end of the dial.
3. Set tone control knob to the treble position, (extreme right).
4. When output meter is used, connect across voice coil: (3.2 ohms).
5. Feed an R.F. signal modulated 30% at 400 cycles to the receiver as indicated on the alignment chart (page 4). Connect signal generator ground terminal to the chassis of the receiver, except where noted.
6. When F.M. signal generator is used, a 30% modulated signal is equal to 22.5 kilocycles deviation.
7. Turn volume control knob to maximum clockwise position and adjust signal generator output to produce a noticeable output meter reading, (approx. 500 mw.) Keep signal generator output as low as possible to prevent excessive AVC action in the receiver.
8. The low impedance "Signal Web" antenna should remain connected, or, if the chassis is removed from cabinet, a dummy antenna should be connected in its place (See fig. 3 on this page).

**ALIGNMENT CHART (Output Meter Method)**  
**To Locate Adjustments, Refer to Page 2**

ALIGN- MENT SEQUENCE	A.M. SIGNAL GENERATOR OUTPUT			POSITION OF		ADJUST	OSC. FREQUENCY	REMARKS (ALIGNMENT NOTES BEGIN ON PAGE 5)
	FREQUENCY	IN SERIES WITH	TO	RANGE SWITCH	DIAL POINTER OR VAR.COND.			
1.	167.5 KC.	0.1 MFD.	2ND I.F. GRID 6SG7 (B)	SW	OPEN	2ND I.F. TRANS. (8)		SEE NOTE 1
2.	167.5 KC.	0.1 MFD.	1ST I.F. GRID 6SG7 (A)	SW	OPEN	1ST I.F. TRANS. (4)		SEE NOTE 2
3.	10.7 MC.	30 MMF.	2ND I.F. GRID 6SG7 (B)	FM	OPEN	DISCRIMINATOR TRANS. (5)		SEE NOTE 3
4.	10.7 MC.	30 MMF.	1ST I.F. GRID 6SG7 (A)	FM	OPEN	2ND I.F. 10.7 MC. TRANS. (4)		SEE NOTE 4
5.	10.7 MC.	30 MMF.	SEE NOTE (5)	FM	OPEN	1ST I.F. 10.7 MC. TRANS. (2) & (3)		SEE NOTE 5
6.	5825 KC.	30 MMF.	*LINK COUPLING ON 10.7 MC. I.F. NO. 2	SW	OPEN	5825 KC. I.F. TRANS. (3)	167.5 KC. ABOVE	SEE NOTE 6 *THE SHORT LEAD BETWEEN TRANSFORMERS NO. 2 & 3
7.	5825 KC.	30 MMF.	6AC7 GRID	SW	OPEN	5825 KC. I.F. TRANS. (2)	167.5 KC. ABOVE	SEE NOTE 7
8.	100 MC.	*300 OHM DUMMY	F.M. DIPOLE TERMINALS	FM	CHANNEL 260.5	F.M. OSC. CORE F.M. ANT. TRIMS. SEC. & PRIM.	10.7 MC. ABOVE	SEE NOTE 8 *SEE "DUMMY ANTENNAS (1)." PAGE 3
9.	97.9 MC.	*300 OHM DUMMY	F.M. DIPOLE TERMINALS	FM	CHANNEL 250	F.M. OSC. CORE	10.7 MC. ABOVE	SEE NOTE 9 *SEE "DUMMY ANTENNAS (1)." PAGE 3
10.	DISCONNECT GENERATOR *CONNECT FIELD STRENGTH METER			FM	CHANNEL 215	RADIATION BAL. TRIMMER		SEE NOTE 10 *SEE "FIELD STRENGTH METER" PAGE 3
11.	*9.6 MC.	30 MMF.	ONE F.M. ANT. TERM.	SW	9.6 MC.	S.W. OSCILLATOR SERIES PADDER	5825 KC. ABOVE	*DISCONNECT FIELD STRENGTH METER CONNECT SIGNAL GENERATOR. SEE NOTE 11.
12.	11.8 MC.	30 MMF.	ONE F.M. ANT. TERM.	SW	11.8 MC.	S.W. OSC. CORE	5825 KC. ABOVE	SEE NOTE 12
13.	10.7 MC.	30 MMF.	ONE F.M. ANT. TERM.	SW	10.7 MC.	S.W. ANT. PRIM. & SEC. PADDER		SEE NOTE 13
14.	10.7 MC.	30 MMF.	ONE F.M. ANT. TERM.	FM	10.7 MC.	S.W. PRIMARY (10.7 MC. TRAP)		SEE NOTE 14
15.	535 KC.	30 MMF.	*HI. SIDE OF DUMMY LOOP ANT.	AM	CLOSED	B.C. OSCILLATOR SERIES PADDER	5825 KC. ABOVE	*SEE NOTE 15 SEE "DUMMY ANTENNAS (2)." PAGE 3
16.	1620 KC.	30 MMF.	HI. SIDE OF DUMMY LOOP ANT.	AM	OPEN	B.C. OSC. CORE	5825 KC. ABOVE	SEE NOTE 16
17.	1400 KC.	30 MMF.	HI. SIDE OF DUMMY LOOP ANT.	AM	1400 KC.	B.C. ANTENNA TRIMMER		SEE NOTE 17
18.	600 KC.	30 MMF.	HI. SIDE OF DUMMY LOOP ANT.	AM	600 KC.	B.C. ANTENNA CORE		SEE NOTE 18
19.	5825 KC.	30 MMF.	HI. SIDE OF DUMMY LOOP ANT.	AM	1400 KC.	B.C. WAVE TRAP TRIM.		SEE NOTE 19
20.	600 KC.	SEE NOTE 20						

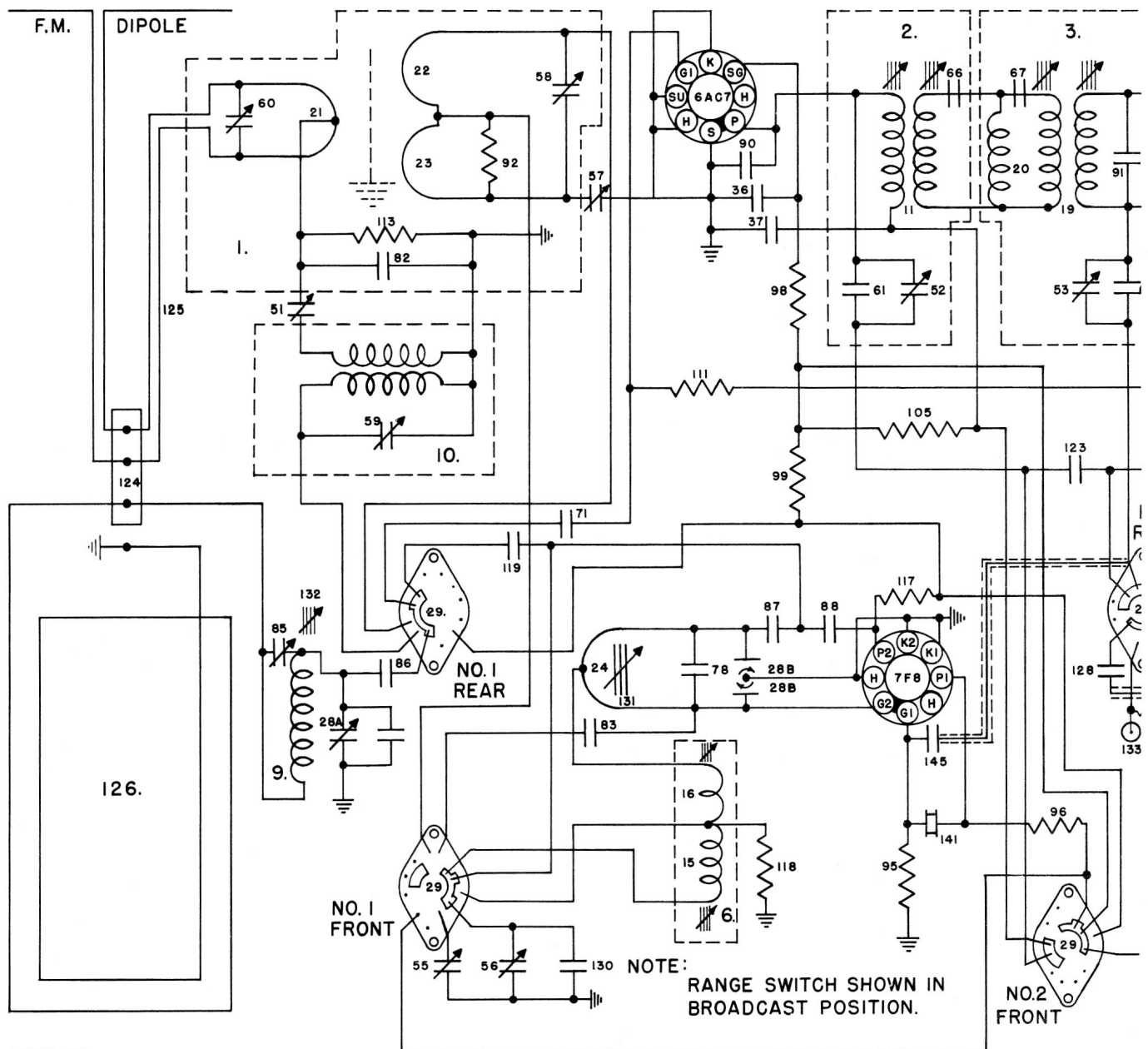
\*REFER TO REMARKS (WITH CORRESPONDING ASTERISK) IN LAST COLUMN.



## ALIGNMENT NOTES (Output Meter Method)

Use the following notes in conjunction with ALIGNMENT CHART (page 4), TOP AND BACK VIEW (page 2), SOCKET VOLTAGE CHART (page 2), and SCHEMATIC DIAGRAM. Reference numbers of parts correspond to item numbers in Parts List.

1. (a) Place Shunt from link, between transformers (5) and (8), to ground (See "Shunts (1)", page 3). Adjust secondary (top) for maximum output.  
(b) Connect the Shunt from diode plate (pin No. 4) of 6S8GT tube socket to the shielded lead junction on transformer (8). Adjust primary (bottom) for maximum output. Remove Shunt.
2. (a) Place Shunt from plate of the 6SG7 tube socket (A) to the transformer side of 2200 ohm resistor (106), See "Shunts (1)", page 3. Adjust secondary (bottom) for maximum output.  
(b) Connect the Shunt from grid of the 6SG7 tube socket (B) to Transformer side of 68,000 ohm resistor (109). Adjust primary (top) for maximum output. Remove Shunt.
3. (a) Adjust secondary (bottom) core for null point.  
(b) Tune Signal Generator for maximum Output Meter reading, approximately 75 to 100 kc. off the null point obtained in 3 (a), and note reading.  
(c) Tune Signal Generator to the opposite side of the null point for maximum reading on the Output Meter. Note this reading. If the two readings are not equal, adjust primary (top) core until equal readings are obtained.
4. (a) Set Signal Generator to peak on high side of 10.7 mc. and adjust primary (top) and secondary (bottom) for maximum output. Note meter reading.  
(b) Set Signal Generator to peak on low side of 10.7 mc. and note reading. If necessary, readjust primary (top) and secondary (bottom), slightly, until Output Meter readings and frequency spacing are equal on both sides of the 10.7 mc. null point.
5. (a) Connect Signal Generator output in series with a 30 mmf. condenser to either lug of the F.M. antenna transformer primary Trimmer (60). Connect Signal Generator ground to the receiver chassis at a point close to the trimmer. Keep lead lengths to a minimum and do not drape shielded cable, from Signal Generator output, near under side of chassis.  
(b) Set Signal Generator to peak on high side of 10.7 mc. and adjust 10.7 mc. primary (bottom) of transformer (2). Adjust 10.7 mc. secondary (top) of transformer (3). These two adjustments should be adjusted for maximum output. Note reading on Output Meter.  
(c) Set Signal Generator to peak on low side of 10.7 mc. and note Output Meter reading. If meter readings obtained on the peaks on both sides of 10.7 mc. are not equal, readjust the 10.7 mc. primary of transformer (2), and the 10.7 mc. secondary of transformer (3). The peaks should appear approximately 80 kc. on each side of 10.7 mc.
6. (a) Set Signal Generator frequency control for maximum output. Adjust 5825 kc. secondary Trimmer and secondary link adjustment, on bottom of transformer (3), for maximum output.
7. (a) Adjust 5825 kc. primary trimmer (bottom) and 5825 kc. primary link adjustment (top) of transformer (2) for maximum output.
8. (a) Adjust F.M. oscillator core (131), on top of chassis, to midway position.  
(b) Preset F.M. radiation balance adjustment (57), on top of chassis, to approximately two turns from the closed position.  
(c) Short circuit F.M. antenna primary trimmer (60), located on bottom of chassis, with Hairpin Shorting Shunt (See "Shunts (2)", page 3).  
(d) Adjust F.M. antenna secondary trimmer (58), on bottom of chassis, for maximum output.  
(e) Transfer Shorting Shunt to F.M. antenna secondary Trimmer (58) and adjust F.M. antenna primary Trimmer (60) for maximum output.  
(f) Remove Shorting Shunt.



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9. (a) Adjust F.M. oscillator core (131), slowly, until 97.9 mc. signal is turned in. Receiver should tune thru 87.9 and 107.9 mc. signal (channel 200 and 300).
10. (a) Connect Field Strength Meter to dipole antenna terminals, on back of chassis.  
(b) Adjust F.M. radiation balance trimmer (57), on top of chassis, to null point. If it is necessary to move this trimmer more than a quarter turn, repeat steps 8 and 10.

Alternate Method: Connect a D.C. Vacuum Tube Voltmeter to No. 1 lug of 7F8 tube socket and adjust F.M. radiation balance trimmer for maximum grid volt reading.

11. (a) Set Signal Generator to 9.6 mc. modulated 30% at 400 cycles.  
(b) Tune volume control to maximum.  
(c) Adjust short-wave series padder (55), on top of chassis, for maximum output.
12. (a) Adjust short-wave oscillator core, on bottom of chassis, for maximum output. Repeat steps 11 and 12 until dial tracks at 9.6 and 11.8 mc.
13. (a) Shunt short-wave antenna primary padder (51), (lug connected to coil) to chassis with a Shorting Clip.  
(b) Increase Signal Generator output if necessary.  
(c) Adjust short-wave antenna secondary trimmer (59), for maximum output, while rocking variable condenser.  
(d) Transfer the Shorting Clip to across the Short-wave antenna secondary trimmer (59).  
(e) Adjust short-wave antenna primary padder (51), for maximum output, while rocking variable condenser.  
(f) Remove Shorting Clip.
14. (a) Connect Field Strength Meter from Signal Generator side of 30 mmf. condenser to chassis.  
(b) Increase or decrease Signal Generator output until Field Strength Meter reads between 10 and 15 microamperes.  
(c) Adjust short-wave antenna primary padder (51), for lowest reading on Field Strength Meter. Make this adjustment slowly, otherwise the dip may be passed unnoticed when a highly damped meter is used.  
(d) Disconnect Field Strength Meter.





Alternate Method: After the receiver is installed in cabinet, turn band switch to F.M. position and tune in an F.M. station. If a 10.7 MC. signal (indicated by a whistle or code) is heard in the speaker, adjust the short-wave antenna primary (51) until the interfering signal disappears or is minimized. Make this adjustment slowly.

15. (a) Connect Dummy Loop Antenna to Signal Web Antenna terminal and to ground terminal (See "Dummy Antennas (2)," page 3).  
(b) Preset broadcast antenna wave trap (85), on top of chassis, to approximately two turns from the closed position.  
(c) Adjust broadcast oscillator series padder (56), on top of chassis, for maximum output.
16. (a) Adjust broadcast oscillator core, on bottom of chassis, for maximum output.  
(b) Repeat steps 15 to 16 until frequency shift stops.
17. (a) Adjust broadcast antenna trimmer, on top of variable condenser, for maximum output.
18. (a) Adjust broadcast antenna core (132), on top of chassis, for maximum output while rocking variable condenser.

19. (a) Set dial pointer to approximately 1400 kc. and retune Signal Generator to maximum output.
- (b) Adjust Signal Generator output to approximately midscale reading on the Output Meter.
- (c) Adjust broadcast antenna wave trap trimmer (85), for lowest reading on Output Meter.
- (e) All Air Trimmers should be locked in position by applying a drop of beeswax on the screw threads.
20. (a) After the receiver is placed in cabinet and all connections are made for normal operation, readjust the broadcast antenna core for maximum output at 600 kc.

### ALIGNMENT CHART (Scope Method)

Before using this chart, see ALIGNMENT PROCEDURE on page 3. To locate adjustments, refer to page 2.

ALIGN- MENT SE- QUENCE	TYPE GEN- ERATOR	SIGNAL GENERATOR OUTPUT			POSITION OF		ADJUST	TYPE OF SELEC- TIVITY CURVE	OSC. FRE- QUENCY	REMARKS.
		FRE- QUENCY	IN SERIES WITH	TO	RANGE SWITCH	DIAL POINTER OR VAR.COND.				
1	F.M.	167.5 KC.	0.1 MFD.	2ND I.F. GRID 6SG7 (B)	SW	OPEN	2ND I.F. TRANS. (8), TOP & BOTTOM	FLAT OR DOUBLE PEAK		SEE NOTES 1(A) & 2(A)
2	F.M.	167.5 KC.	0.1 MFD.	1ST I.F. GRID 6SG7 (A)	SW	OPEN	1ST I.F. TRANS. (4), BOTTOM & TOP	10% DOUBLE PEAK 		SEE NOTES 1(A) & 2(A)
3	* A.M.	10.7 MC.	30 MMF.	1ST I.F. GRID 6SG7 (A)	FM	OPEN	DISCRIMINATOR TRANS. (5), BOTTOM	ADJUST FOR NULL POINT		*DISCONNECT F.M. SIGNAL GENERATOR AND SCOPE SEE NOTE 5.
4	* F.M.	10.7 MC.	30 MMF.	1ST I.F. GRID 6SG7 (A)	FM	OPEN	DISCRIMINATOR TRANS. (5), TOP			*DISCONNECT A.M. SIGNAL GENERATOR AND OUTPUT METER SEE NOTES 1(B), 2(B), & 3
5	F.M.	10.7 MC.	30 MMF.	1ST I.F. GRID 6SG7 (A)	FM	OPEN	2ND I.F. 10.7MC. TRANS. (4), TOP & BOTTOM			SEE NOTES 1(B), 2(B), & 4 READJUST, SLIGHTLY, DIS- CRIMINATOR PRIMARY (TOP)
6	F.M.	10.7 MC.	30 MMF.	GRID OF 6AC7	FM	OPEN	1ST I.F. 10.7MC. TRANS. (2) & (3)			SEE NOTES 1(B), 2(B), & 4 ADJUST TRANS. (2) BOTTOM: ADJUST TRANS. (3) TOP
7	A.M.	USE ALIGNMENT CHART ON PAGE 4. BEGIN WITH SEQUENCE NO. 6 AND CONTINUE THRU TO SEQUENCE NO. 19, INCLUSIVE.								

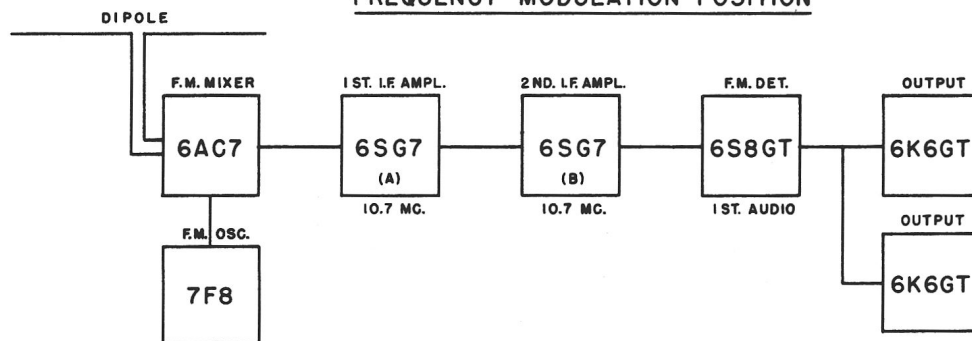
\*REFER TO REMARKS (WITH CORRESPONDING ASTERISK) IN LAST COLUMN.

### ALIGNMENT NOTES (Scope Method)

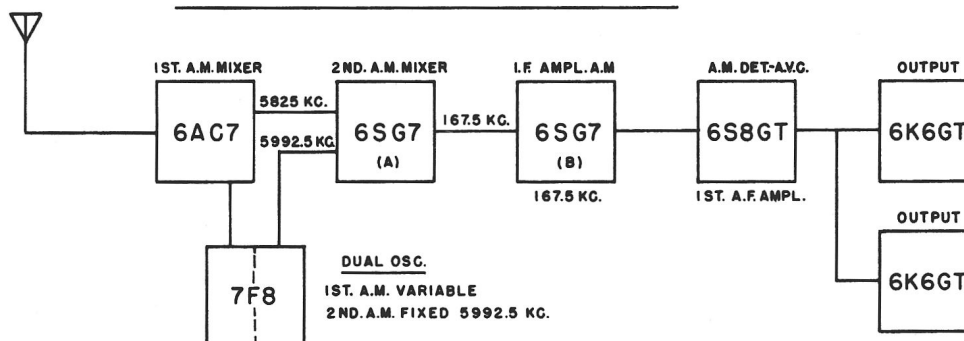
1. (a) Sweep align (Use approximately 20 to 30 kc. to sweep).
- (b) Sweep align (Use approximately 450 kc. to sweep).
2. (a) For 167.5 kc.; connect Scope to terminal No. 8 on the rear plate section of band change switch.
- (b) For 10.7 mc.; connect Scope, thru a 100,000 ohm resistor, to lug no. 6 of 6K6GT tube socket. (next to 5Y4G Tube).
3. Sweep Generator output 100,000 to 200,000 microvolts.
4. Scope Adjustments remain. Reduce Sweep input.
5. Connect Output Meter across voice coil. Feed an R.F. signal, calibrated at 10.7 mc. and modulated 30% at 400 cycles, to the receiver as indicated.

## BLOCK DIAGRAM OF CIRCUITS

### FREQUENCY MODULATION POSITION



### BROADCAST AND SHORTWAVE POSITION



### CHANNEL NUMBERS TO MEGACYCLES

Cross index between channel calibrations on the dial and frequency in megacycles follow:

Channel No.	Frequency in Megacycles	Channel No.	Frequency in Megacycles
200	87.9	255	98.9
205	88.9	260	99.9
210	89.9	265	100.9
215	90.9	270	101.9
220	91.9	275	102.9
225	92.9	280	103.9
230	93.9	285	104.9
235	94.9	290	105.9
240	95.9	295	106.9
245	96.9	300	107.9
250	97.9		

To find the frequency in megacycles for CHANNEL NUMBERS between those gives above, add .2 mega-cycle for every whole number added to the CHANNEL NUMBER; for example Channel 204 would be 88.7 megacycles and 251 would be 98.1 megacycles.



# PARTS LIST -- MODEL 50

Figures in first column correspond to figures in Schematic Diagram

Item No.	Part No.	Description	Item No.	Part No.	Description
1	88 F	Transformer Ass'y. F.M. Antenna	78		Condenser 53 mmf. 500 V. Ceramic
2	82 F	Transformer 10.7 mc. & 5.825 mc. I.F.(A)	79	Part of Item 5	Condenser 12 mmf. 300 V. Ceramic
3	84 F	Transformer 10.7 mc. & 5.825 mc. I.F.(B)	80	Part of Item 4	Condenser 33 mmf. 500 V. Ceramic
4	85 F	Transformer 10.7 mc. & 167.5 kc. I.F.	81	Part of Item 4	Condenser 33 mmf. 500 V. Ceramic
5	87 F	Transformer 10.7 mc. Discriminator	82	Part of Item 1	Condenser 30 mmf. 500 V. Mica
6	83 F	Coil Ass'y. 1st. Oscillator (B.C. & S.W.)			Condenser, 15 mmfd. 5% N.P.O.
8	86 F	Transformer 167.5 kc. Diode		90 F	Condenser, 4.7 mmfd. Mica
9	8 G	Coil B.C. Antenna		90 F	Condenser, Trimmer 1-6 mmfd.
10	33 G	Coil S.W. Antenna			Condenser, Trimmer 30-200 mmf.
11	Part of Item 2	Coil Ass'y	83		Condenser 10 mmf, 300 V. Ceramic
12	Part of Item 4	Coil Ass'y	85		Condenser, Trimmer (B.C. Ant. Wave Trap)
13	Part of Item 4	Coil Ass'y	86		Condenser 82 mmf. 500 V. Ceramic
14	Part of Item 5	Coil Ass'y	87		Condenser 39 mmf. 300 V. Ceramic
15	Part of Item 6	Coil Ass'y	88		Condenser 91 mmf. 300 V. Ceramic
16	Part of Item 6	Coil Ass'y	89		Condenser 50 mmf. 500 V. Mica
18	Part of Item 8	Coil Ass'y	90		Condenser 27 mmf. 500 V. Ceramic
19	Part of Item 3	Coil Ass'y	91	Part of Item 3	Condenser 27 mmf. 500 V. Ceramic
20	Part of Item 3	Coil Ass'y	92	Part of Item 1	Resistor 1000 ohm 1/2 W.
21	Part of Item 1	Coil Ass'y	93		Resistor 470000 ohm 1/2 W.
22	Part of Item 1	Coil Ass'y	94		Resistor 47000 ohm 1/2 W.
23	Part of Item 1	Coil Ass'y	95		Resistor 56000 ohm 1/2 W.
24	9 G	Coil F.M. Oscillator	96		Resistor 1.5 megohm 1/2 W.
26A	34 G	Condenser 20 mfd. 400 V. (4 Section	97		Resistor 47000 ohm 1/2 W.
26B		Condenser 30 mfd. 350 V. (Electrolytic	98		Resistor 120000 ohm 1/2 W.
26C		Condenser 20 mfd. 300 V. (Filter	99		Resistor 120000 ohm 1/2 W.
26D		Condenser 20 mfd. 25 V. (Condenser	100		Resistor 390 ohm 2W.
27	31 G	Power Transformer 25 Cycle	101		Resistor 100,000 ohm 1/2W.
	30 G	Power Transformer 60 Cycle	102		Resistor 100,000 ohm 1/2 W.
28A	78 F	(Tuning Cond. & Osc. Coil Ass'y	103		Resistor 100,000 ohm 1/2 W.
		( " " 2 section variable	104		Resistor 220,000 ohm 1/2 W.
		( Pulley & Hub Ass'y	105		Resistor 2,200 ohm 1/2 W.
		(Oscillator Coil F.M.	106		Resistor 2,200 ohm 1/2 W.
	32 G	Pulley & Hub Ass'y	107		Resistor 2,200 ohm 1/2 W.
	9 G	Oscillator Coil F.M.	108		Resistor 680,000 ohm 1/2 W.
28B		Condenser, Variable (Gang	109		Resistor 68,000 ohm 1/2 W.
29	77 F	Switch, Band Change	110	Part of Item 8	Resistor 68,000 ohm 1/2 W.
30	76 F-6	Control, Volume	111		Resistor 1 megohm 1/2 W.
31A	76 F-9	Control, Tone (Ass'y.	112		Resistor 1 megohm 1/2 W.
31B		Switch, Power (Ass'y.	113	Part of Item 1	Resistor 1 megohm 1/2 W.
32A		Bulb, Dial Type No. 47 6.3 V. .15 amps.	114		Condenser, Paper .05 mfd. 600 V.
32B		Bulb, Dial Type No. 47 6.3 V. .15 amps.	115		Resistor 47,000 ohm 1/2 W.
32C		Bulb, Dial Type No. 47 6.3 V. .15 amps.	116		Resistor 27,000 ohm 1/2 W.
33	Cable and	Plug, Power	117		Resistor 10,000 ohm 1 W.
34		Condenser, Mica 500 mmfd.	118		Resistor 22,000 ohm 1/2 W.
35		Condenser, Paper .002 mfd. 600 W.V.	119		Condenser 15 mmf. 500 V. Ceramic
36-45		Condenser, Paper .005 mfd. 600 W.V.	120	16 G	Resistor 400-700 ohm 4 W.
46		Condenser, Paper .01 mfd. 600 W.V.	121		Resistor 470,000 ohm 1/2 W.
47		Condenser, Paper .01 mfd. 600 W.V.	122	45 G	Speaker P.M. 12 inch.
	10 G	Condenser, 1.5 mmfd. (Made from Trans-	123		Condenser 1.3 mmf. (Trans. Line)
48		Condenser, Paper .03 mfd. 600 W.V. Line)	124	17 G	Terminal Board ( Antenna)
49		Condenser, Paper .03 mfd. 600 W.V.	125		Transmission Line 300 ohm Impedance
50		Condenser, Paper .003 mfd. 600 W.V.	126		Ant. Loop (Stranded V.S.R. 1/64" Wire)
51		Condenser, Trimmer, S.W. Ant. Primary	128		Condenser, Paper .01 mfd. 600 V.
52	Part of Item 2	Condenser, Trimmer (5.825 mc. Primary)	130		Condenser, Ceramic 10 mmf. 300 V.
53	Part of Item 3	Condenser, Trimmer (5.825 mc. Secondary)	131	89 F-59A	F.M. Oscillator Core
55	13 G	Condenser, Air Trimmer (S.W. Osc. Series)	132	89 F-60	Antenna Core
		Padder	133		Phono Jack
56	13 G	Condenser, Air Trimmer (B.C. Osc. Series	134		Connector, Phono Motor
		Padder)	135	14 F-2	Output Transformer
57	13 G	Condenser, Air Trimmer (F.M. Radiation	136		Resistor 3,900 ohm 1/2 W.
		Balance)	137		Resistor 470,000 ohm 1/2 W.
58	Part of Item 1	Condenser, Trimmer (F.M. Ant. Secondary)	138		Resistor 1 megohm 1/2 W.
59	Part of Item 10	Condenser, Trimmer (S.W. Ant. Secondary)	139		Resistor 3,900 ohm 1/2 W.
60	Part of Item 1	Condenser, Trimmer (F.M. Ant. Primary)	140		Resistor 680,000 ohm 1/4 W.
61	Part of Item 2	Condenser, 82 mmf. 300 V. Ceramic	141	36 G	Crystal, Osc. 5992.5 Kilocycles
62	Part of Item 3	Condenser 68 mmf. 300 V. Ceramic	142		Resistor 820 ohm 2 W.
63	Part of Item 4	Condenser 470 mmf. 300 V. Mica	143		Condenser 100 mmfd. Mica
64	Part of Item 4	Condenser 470 mmf. 300 V. Mica	144		Condenser 20 mfd. 25 W.V.
65	Part of Item 8	Condenser 470 mmf. 300 V. Mica	145		Condenser 4.7 mmfd.
66	Part of Item 2	Condenser 150 mmf. 500 V. Mica	146		Condenser, Paper .01 mfd. 600 W.V.
67	Part of Item 3	Condenser 150 mmf. 500 V. Mica	147		Condenser, Paper .01 mfd. 600 W.V.
68	Part of Item 5	Condenser 150 mmf. 500 V. Mica	148		Resistor 22,000 ohm 1/2 W.
69	Part of Item 5	Condenser 150 mmf. 500 V. Mica	149		Condenser, Paper .005 mfd. 600 W.V.
70	Part of Item 5	Condenser 62 mmf. 500 V. Ceramic	150		Condenser, Mica 100 mmf.
71		Condenser 120 mmf. 300 V. Ceramic		47 G	Chassis Stamping
75	Part of Item 8	Condenser 1000 mmf. 500 V. Mica		20 G	Sockets, Octal Wafer 1 5/16" Mtg. Centres
76		Condenser 100 mmf. 500 V. Mica		19 G	Filter Clamp, main filter
77	Part of Item 8	Condenser 100 mmf. 500 V. Mica			Line Cord locking Plate

# PARTS LIST -- MODEL 50 Cont.

Figures in first column correspond to figures in Schematic Diagram

Item Part No.	Description	Item Part No.	Description
No.		No.	
63 G	Block Fibre Strip	60 G,A	Dial backing, Walnut
61 G	Locking Plate, speaker cond - chassis	60 G,B	Dial backing, Mahogany
79 F	Bracket Ass'y. Tuning Cond. to chassis	60 G,C	Dial backing, Bleached Mahogany
	( " "	99 F	Pulley on Dial Back
29 G	6/32" Polnut, Special	98 F	Dial Pointer
97 F	Rubber Grommet	28 G	Strip Pointer (Fish Paper)
96 F	Spacer Sleeve, headed	1 G	Pulley Wood, Tone Control Shaft
95 F	Dial Drive Shaft	91-F,A	Dial Glass, Walnut
94 F	Retaining Ring "C" Washer	91-F,B	" " Mahogany
27 G	Terminal Strip (O.C.F. 60253 or equiv.)	91-F,C	" " Bleached Mahogany
29 G-2	Palnut, Special	4 G	Clip, Dial Glass
13 G	Trimmer Cond. 3.30 mmfd.	3 G	Rubber Cushion used under clip
5 G	Socket Localt & retaining Ring		Dial Light Bulb 6-8V No.47 Mazda
81 F	Copper Shield Rivet Ass'y(Oscillator)	49 G	Knobs - Radio Chassis
97 F	Rubber Grommet	67 G	" Spring
14 G-17	Cable, braided (bonding 3/16)	69 J	Grommet - Speaker
14 G-8	Tinned Copper Bonding Braid 1/4	25 G	Headed Bushing, Grommet insert
92 F-3	Socket Dial Light, 13" lead	34 J	Bracket, Speaker
92 F-12	" " " 18" "	93 F	Retaining Ring "C" Washer
	" " " O.C.F. 62-22 W/-36"lead	7 F-8	Tube
7 G	Grid Cap	6 AC7	"
	Amphenol, Osc.Tube Socket 61.F	6 SG7	"
	receptacle less retaining ring.	6 K8CGT	"
	Amphenol 3-24 Plug Cap W/-Int. Insul.	6 S8GT	"
	Connector 3-Hole older No.203F Speaker	5 Y4GT	"
80 F	Dial Background Ass'y.		
CABINET PARTS			
	<u>Instrument Panel</u>	65 G	Balance Spring - long
	Tilting Panel Radio Chassis	66 G	" " - short (25 cycle)
	Door, Phono compartment		Dial Light Jewell Ass'y. (Dialco
	" , Record		No.5004-431 Red)
	Panel, speaker Baffle		<u>Miscellaneous</u>
	Drawer Ass'y., Automatic Record Player	2 B	Label - Liscense Warning.
	Handle, Phono compartment		<u>Automatic Record Changer</u>
	" Tilting Panel, Radio		General Instrument Model No.204 for 60 cycle
	Handle, Pull Record compartment Drawer		Milwaukee 11200 series for 25 cycle
	Hahn 4576 Drawer Pulls		operation.
	Handle,Dress,Panel,Speaker compartment.		
	Hahn 3389 Pendants		
	Desk Slide, Stat.Bronze Hahn No.2777	59 G	Mounting Springs
	Knife Hinge, Stat. Bronze		G.M. 118847 5/16" Washers
			Pick-up Cartridge, Astatic type Q.T.-3 M.
	Ball Bearing Slide, Hahn No.5457	50 H	Packing Pads, Pick-up arm, Gen.Inst.
	Soss Hinge 1/2 Brass		60 Cycle)
		77 C	" Strip, Milwaukee 25 Cycle
	Grill Cloth, Avalon Fabric No.194521	78 C	" Pads, Pick-up arm, Milwaukee
	Walnut & Mahogany		25 Cycle)
	Grill Cloth, Avalon Fabric 1945-88	68 G	Knob Decal Sticker
	Bleached Mahogany		Plastic Grip Connector No.34134 Amp.
97 A	Cabinet Glides		Plug, 3 Prong Aldon 203 S.H.
24 F	Side, Right, Radio Compt.	69 C	Pilot Light Mounting Bracket, cabinet
23 F	" Left, " "	57 H	Fibre Back, cabinet
44 G	Roller Rivets		Terminal Strip, cabinet O.C.F. 62196
19 F	Side Hinge, Right		Type A.
20 F	" " Left		

## MODEL 50 CABINET PARTS

It is difficult to itemize cabinet parts correctly. We are listing only a few of the more important cabinet parts most likely to need replacement.

It is to be remembered that our veneered cabinets, both the grain and the colour is matched at the factory and it is practically impossible to send out a replacement panel or door that will match the cabinet needing replacement. All cabinet parts must be ordered by description and colour, such as light walnut or dark walnut.

NOTE: PARTS LIST & OTHER SERVICE DATA ON  
RECORD PLAYERS UPON APPLICATION.

ADDISONS LIMITED

NATIONAL SERVICE DEPT.