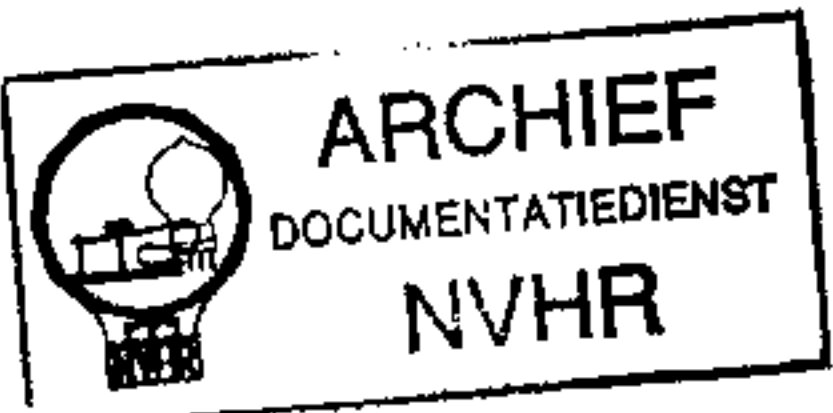


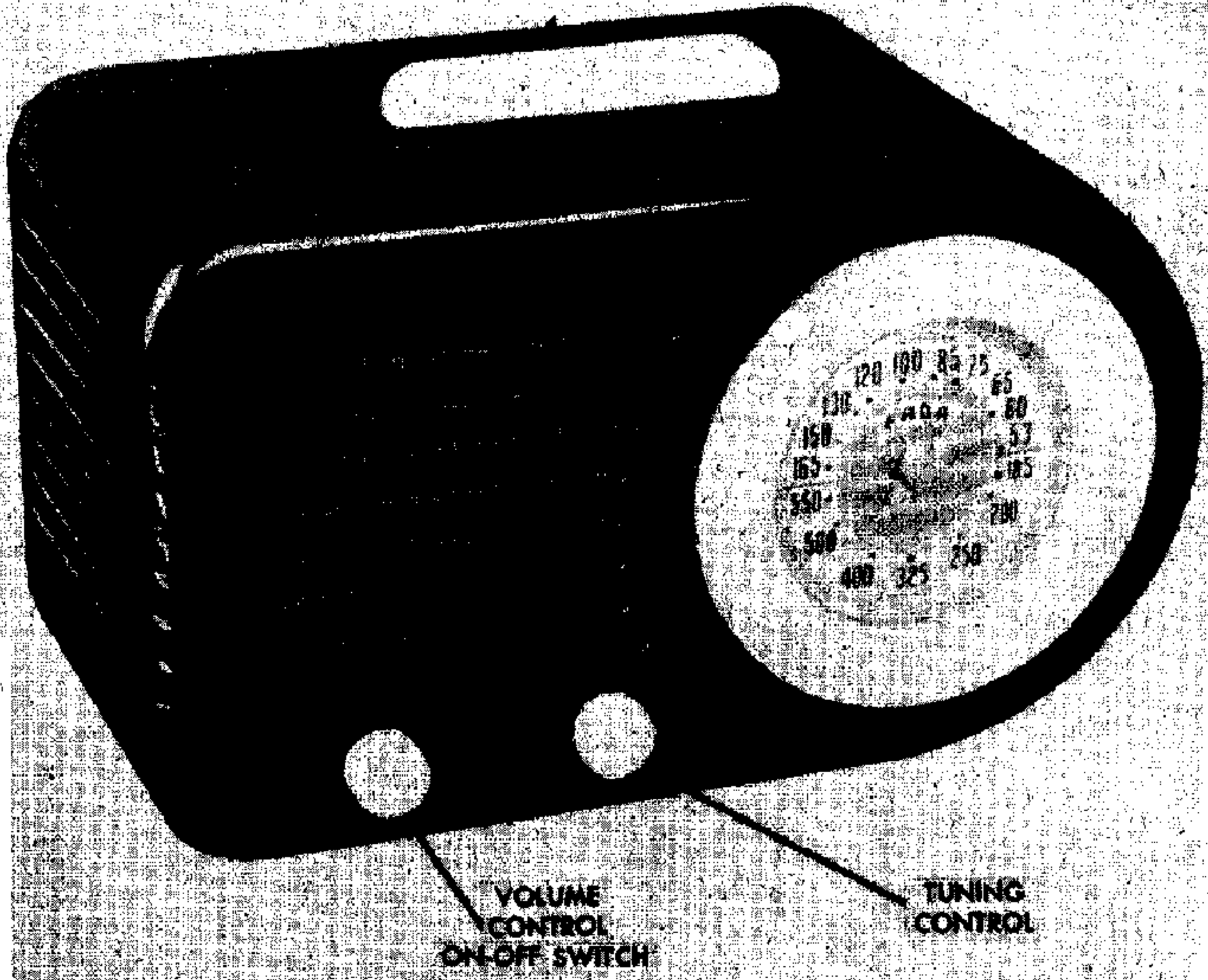
PHOTO FACT* Folder
TRADE MARK



**FADA
MODEL 1000 SERIES**

FADA
MODEL 1000 SERIES

FADA
MODEL 1000 SERIES



FADA MODEL 1000

TRADE NAME	Fada, Model 1000 Series
MANUFACTURER	Fada Radio & Electric Co., Inc. - 30-20 Thomson Ave. - Long Island City, New York
TYPE SET	AC - DC Superheterodyne - Self Contained Loop Antenna
TUBES (SIX)	Types 12SK7 RF, 12SA7GT/G Mixer, 12SK7GT/G IF Amp., 12SQ7GT/G Det.-AVC-AF, 35L6GT/G Power Output, 35Z5GT/G Rectifier
POWER SUPPLY	117 Volts AC-DC Rating .245 Amp. @ 117 Volts AC
TUNING RANGE	BROADCAST 528-1680 KC SHORT WAVE

ALIGNMENT INSTRUCTIONS

DUMMY ANTENNA #	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
.001 MFD	High side to signal grid of 12SA7. Low side to chassis.	456KC	Quiet point at high end of band.	Across voice coil.	A1,A2, A3,A4.	Adjust for maximum output. Use isolation transformer if available. If not, isolating capacitor must be connected between signal generator ground lead and receiver chassis.
"	High side to signal grid of 12SK7 (R.F.) Low side to chassis.	456KC	528KC (max. cap.)	"	A5	Adjust for minimum output. Use isolation transformer if available. If not, isolating capacitor must be connected between signal generator ground lead and receiver chassis.
"	"	1650KC	1650KC	"	A6	Adjust for maximum output.
"	Loop	1400KC	Tune in 1400KC signal.	"	A7	Adjust for maximum output. Connect signal generator to loop of few turns of wire and couple loosely to receiver loop by spacing. (No direct connection).

Volume control at maximum volume and signal generator output just high enough to obtain readable output. Use insulated alignment screwdriver for adjusting.

PARTS LIST AND DESCRIPTIONS
TUBES

ITEM No.	USE	REPLACEMENT DATA			BAA BASE TYPE	INSTALLATION NOTES
		FADA PART No.	MALLOY PART No.	STANDARD REPLACEMENT		
1	RF Amp.	12SK7		12SK7	8N	
2	Mixer	12SA7GT/G		12SA7GT/G	8AD	
3	IF Amp.	12SK7GT/G		12SK7GT/G	8N	
4	DET.-AVC-AF	12SQ7GT/G		12SQ7GT/G	8Q	
5	Power Output	35L6GT/G		35L6GT/G	7AC	
6	Rectifier	35Z5GT/G		35Z5GT/G	6AD	

CAPACITORS

Capacity values given in the rating column are in mfd. for Electrolytic and Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING		REPLACEMENT DATA					IDENTIFICATION CODES AND INSTALLATION NOTES	
	CAP.	VOLT	FADA PART No.	MALLOY PART No.	SOLAR PART No.	SPRAGUE PART No.	AEROVOX PART No.		COBNEIL-DUBILIER PART No.
7(A)	40	150	22.1	FP357	DY-3X40-150	EL-340	AF844D	UP8CJ44	▲ Filter
7(B)	30	150							
7(C)	20	150							
8	.06	400	12.12	TP428	S-4-05	TC-15	484-.05	DT485	Line Filter
9	.03	400	12.9	TP424	S-6-03	TC-13	484-.03	DT483	35L6 Plate Bypass
10	.01	400	12.6	TP421	S-4-01	TC-11	484-.01	DT481	Audio Coupling
11	.005	400	12.4	TP408	S-6-005	TC-25	484-.005	DT8D5	
12	.05	200	12.11	TP426	S-4-05	TC-15	484-.05	DT485	12SK7 Cath. bypass
13	.05	200	12.11	TP426	S-4-05	TC-15	484-.05	DT485	RF Bypass Pwr. Supp.
14	.05	200	12.11	TP426	S-4-05	TC-15	484-.05	DT485	AVC Filter
15	250	500	17.8	MC240	MO.5-325	LPM-325	1468-.00025	SW6T25	Audio Plate Bypass
16	100	500	17.5	MC235	MO.5-31	LPM-31	1468-.0001	SW6T1	RF Coupling
17	100	500	17.5	MC235	MO.5-31	LPM-31	1468-.0001	SW6T1	Osc. Grid Cond.
18	220	500	17.19	MC240	MO.5-325	LPM-325	1468-.00025	SW6T25	RF Bypass Vol. Cont.*

*Not used in initial production

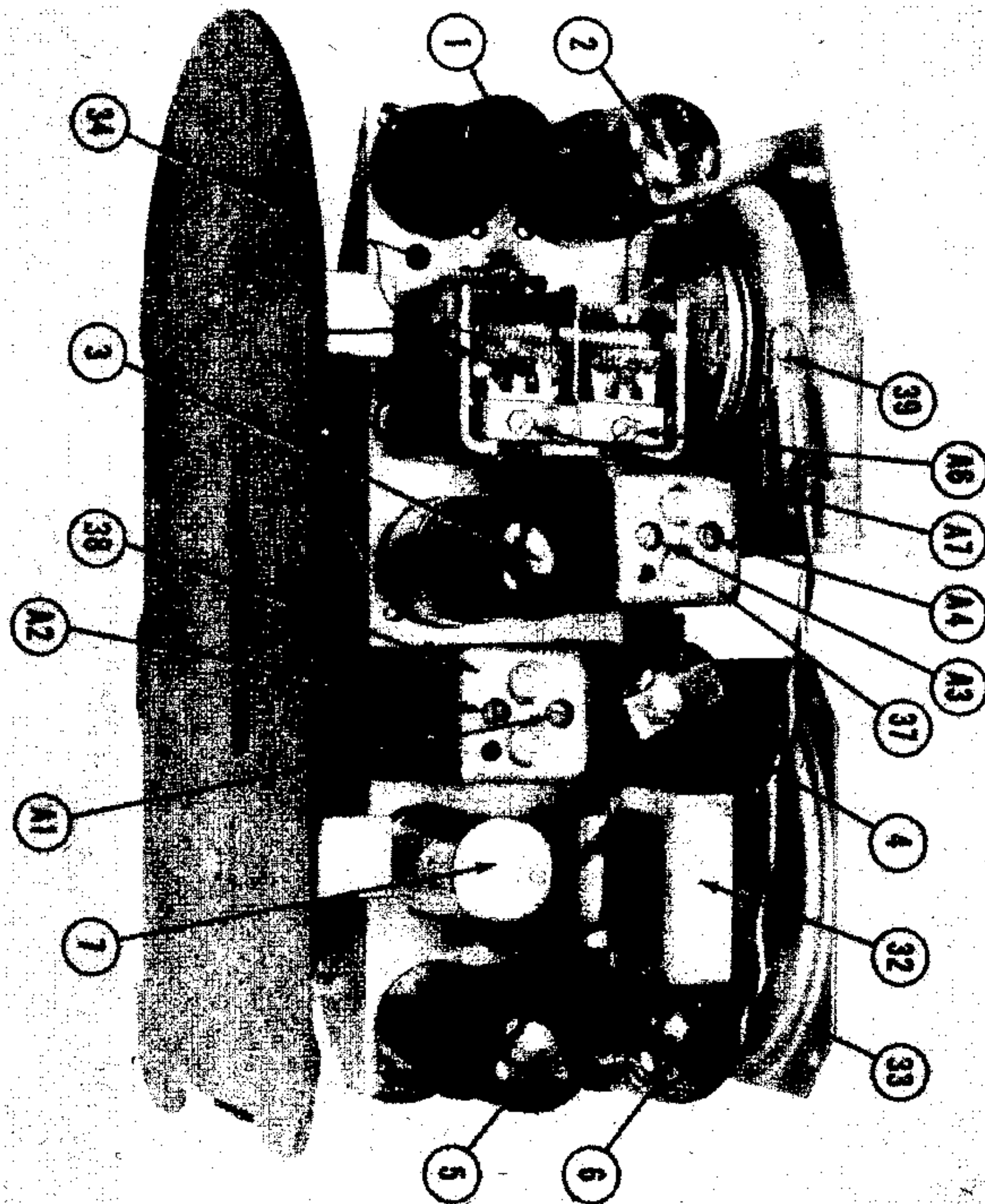
CONTROLS

ITEM No.	RATING		REPLACEMENT DATA				INSTALLATION NOTES
	RESISTANCE	WATTS	FADA PART No.	MALLOY PART No.	RC PART No.	CLAROSTAT PART No.	
19(A)	500K Ω	1	52.6	M48	D13-133	M-60-Z	
19(B)	Switch		Not req.	M26	41	SW-A	Attach to 19A per instr.

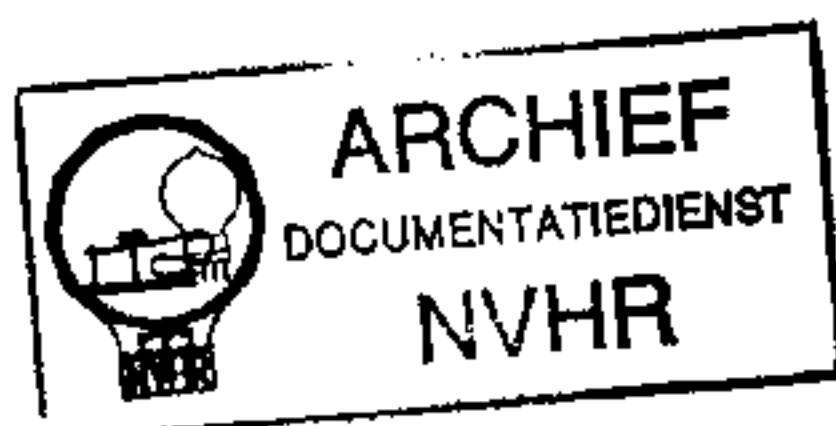
RESISTORS

ITEM No.	RATING		REPLACEMENT DATA		IDENTIFICATION CODES
	RESISTANCE	WATTS	FADA PART No.	RC PART No.	
20	6800 Ω	1/2	32.10	BTS-6800	Blue-Gray-Red RF Plate Load
21	100K Ω	1/2	32.17	BTS-100K	Br.-Blk.-Yl. Mixer Grid
22	22K Ω	1/2	32.13	BTS-22K	Red-Red-Or. Usc. Grid
23	100 Ω	1/2	32.2	BW-1-100	Br.-Blk.-Br. IF Cathode
24	1 Meg.	1/2	32.23	BTS-1 Meg.	Br.-Blk.-Grn. Diode Load
25	3.9 Meg.	1/2	32.26	BTS-3.9 Meg.	Or.-wh.-Grn. 1st AF Grid
26	220K Ω	1/2	32.18	BTS-220K	Red-Red-Yl. 1st AF Plate Load
27	470K Ω	1/2	32.20	BTS-470K	Yl.-Vl.-Yl. Output Grid
28	130 Ω	1/2	32.3	BW-1-130	Br.-Or.-Br. Output Cathode
29	200 Ω	1	32.27	BW-1-200	Red-Blk.-Br. Filter
30	910 Ω	1	32.28	BW-1-910	Wh.-Br.-Br. Filter
31	30 Ω	1	117.1	BW-1-30	Or.-Blk.-Blk. Line Dropping

CHASSIS—TOP VIEW



Ned. Ver. v. Historie v/d Radio



PARTS LIST AND DESCRIPTIONS

TRANSFORMER (OUTPUT)

ITEM No.	RATING				REPLACEMENT DATA				INSTALLATION NOTES
	IMPEDANCE	DC RES.	SEC.	SEC.	FADA PART No.	STANCOOR PART No.	THORNDYK PART No.	UTAH PART No.	
32	2370 Ω	3.95 Ω	162 Ω	.71k	42.1	A3876+	T13842+	8775+	*Mounting bracket must be fabricated. *Bend mounting tabs down and mount by original bracket.

SPEAKER

ITEM No.	RATINGS		REPLACEMENT DATA			INSTALLATION NOTES
	FIELD	VC IMP.	FADA PART No.	JENSEN PART No.	UTAH PART No.	
33	PH	3.95 Ω	107.1	8T-540	4PZ	
	CONE DIA.	VC DIA.	NOT REPLACEABLE-USE COMPLETE SPEAKER UNIT			

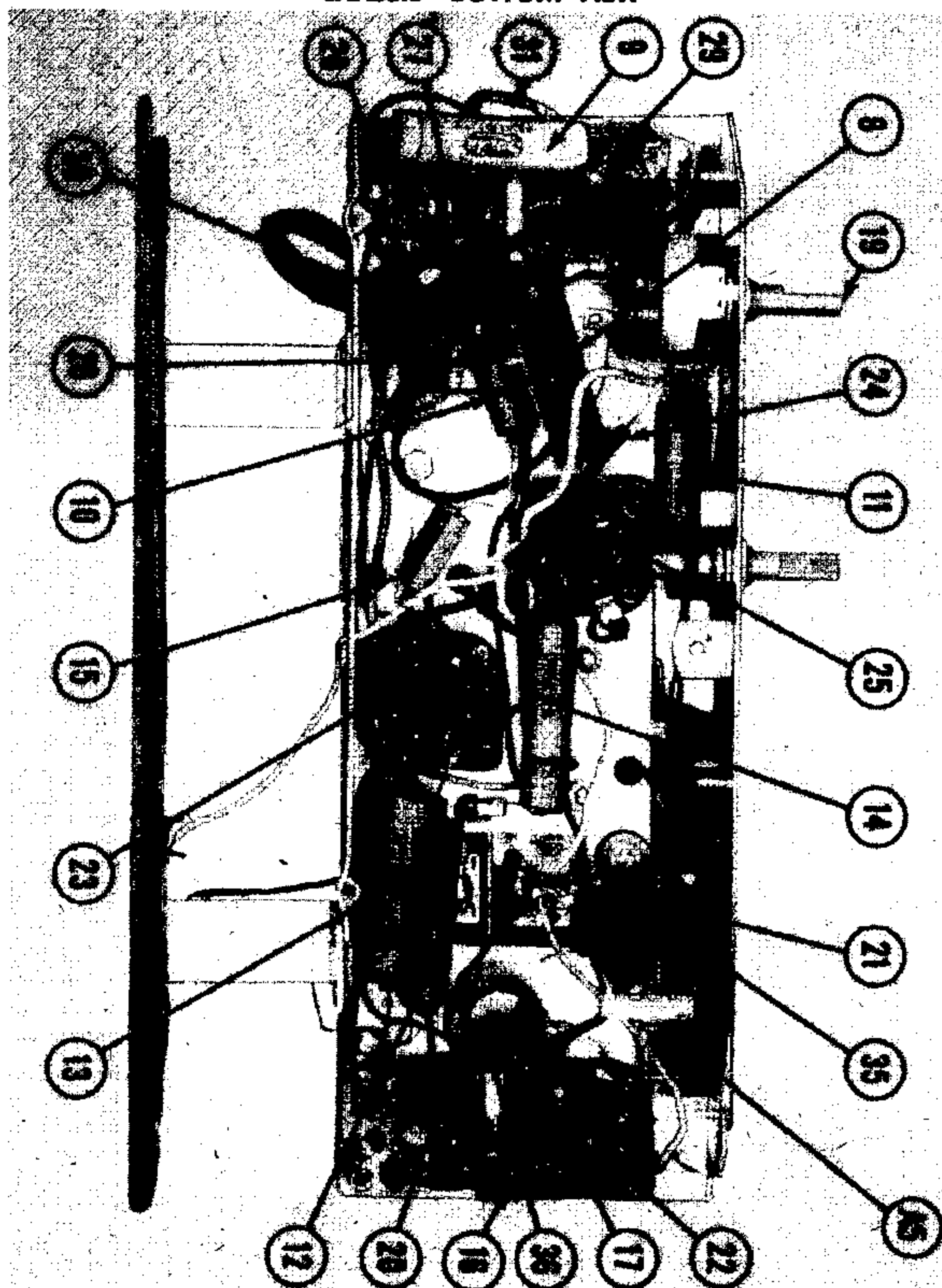
R F COILS

ITEM No.	USE	DC RES.		REPLACEMENT DATA		INSTALLATION NOTES
		PH	SEC.	FADA PART No.	MESSNER PART No.	
34	Loop Ant.	1.5 Ω		37.10		
35	Wave Trap	49 Ω		37.5		
36	Osc.	.5 Ω	5 Ω	37.1		
37	Input IF	20 Ω	20 Ω	37.3	16-6658	
38	Output IF	19 Ω	19 Ω	37.8		

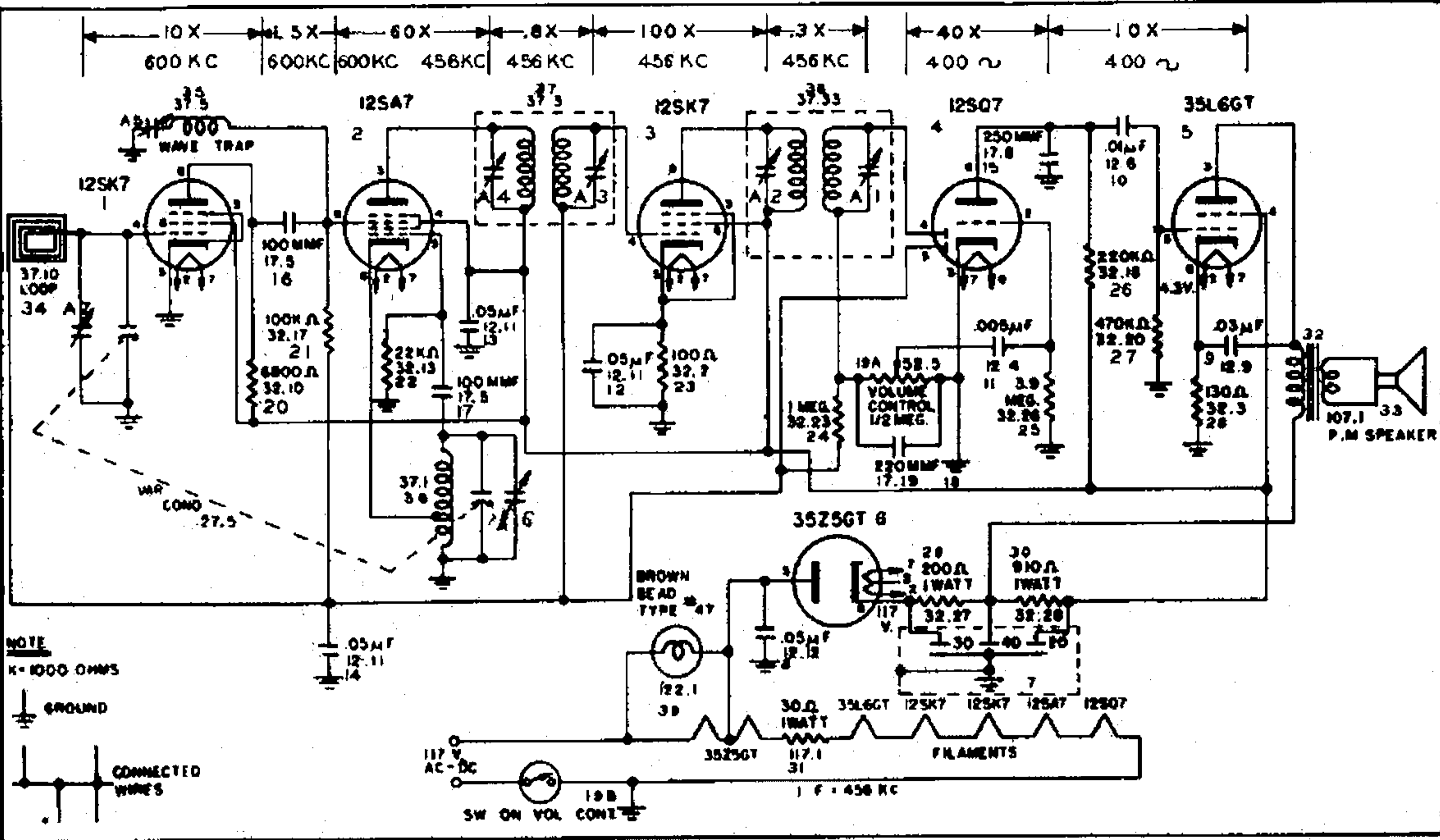
DIAL LIGHT

ITEM No.	BASE TYPE	VOLTS	AMPS.	BEAD COLOR	REPLACEMENT DATA		INSTALLATION NOTES
					FADA PART No.		
39	11n. Bayonet	6-8	0.15	Brown	122.1		#47

CHASSIS—BOTTOM VIEW



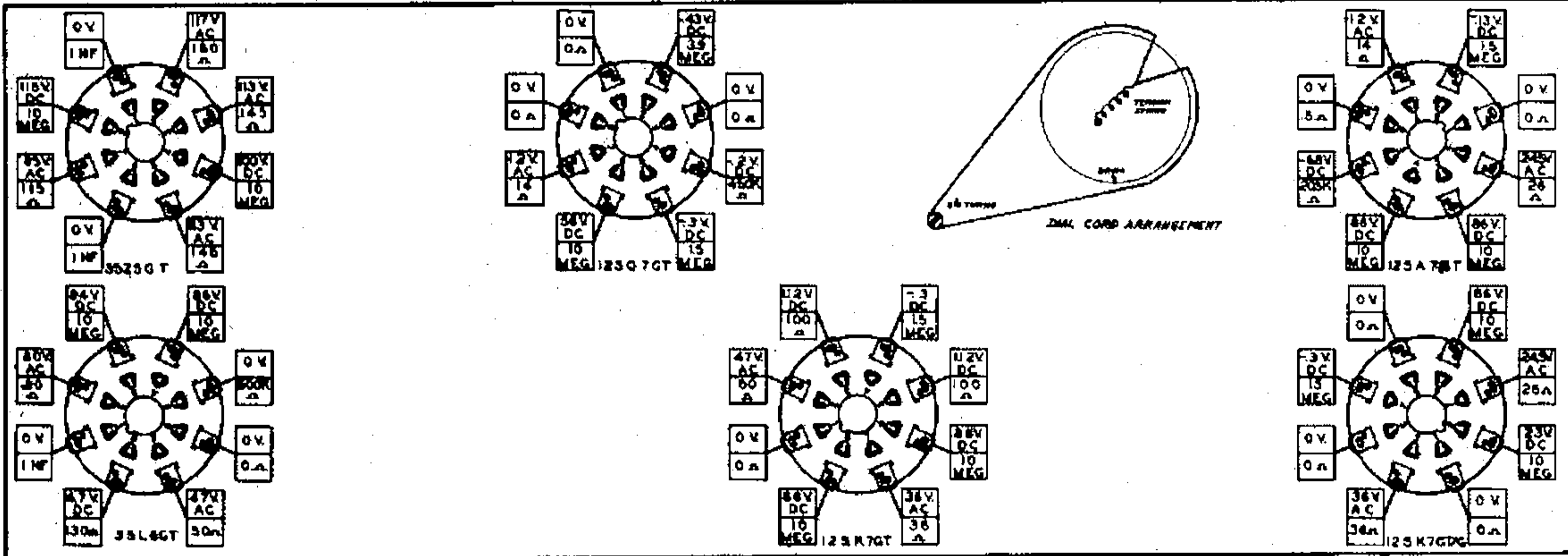
SCHEMATIC DIAGRAM



NOTE
K = 1000 OHMS
GROUND
CONNECTED WIRES

The stage gain measured values listed above are approximate values for an average operative stage, rather than an absolute value. It should be borne in mind that it is possible to introduce so many variables into the measurement operation, such as, type of equipment used for measuring, handling and placement of probes, the accuracy of alignment, etc., that an absolute reading is impractical. AVC is made inoperative and 3-volt battery bias substituted for measurement.

VOLTAGE AND RESISTANCE ANALYSIS CHART



- 1 - DC Voltage measurements are at 20,000 ohms per volt: AC Voltages measured at 1000 ohms per volt.
- 2 - Socket connections are shown as bottom views.
- 3 - Measured values are from socket pin to common negative.
- 4 - Line voltage maintained at 117 volts for voltage readings.
- 5 - Nominal tolerance on component values make possible a variation of $\pm 10\%$ in voltage and resistance readings.
- 6 - Volume control at maximum, no signal applied for voltage measurements.

HOWARD W. SAMS & CO., INC.

2924 EAST WASHINGTON STREET • INDIANAPOLIS 6, INDIANA

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