



the hallicrafters co.

MANUFACTURERS OF PHOTO AND ELECTRONIC EQUIPMENT, CHICAGO 26, U. S. A.

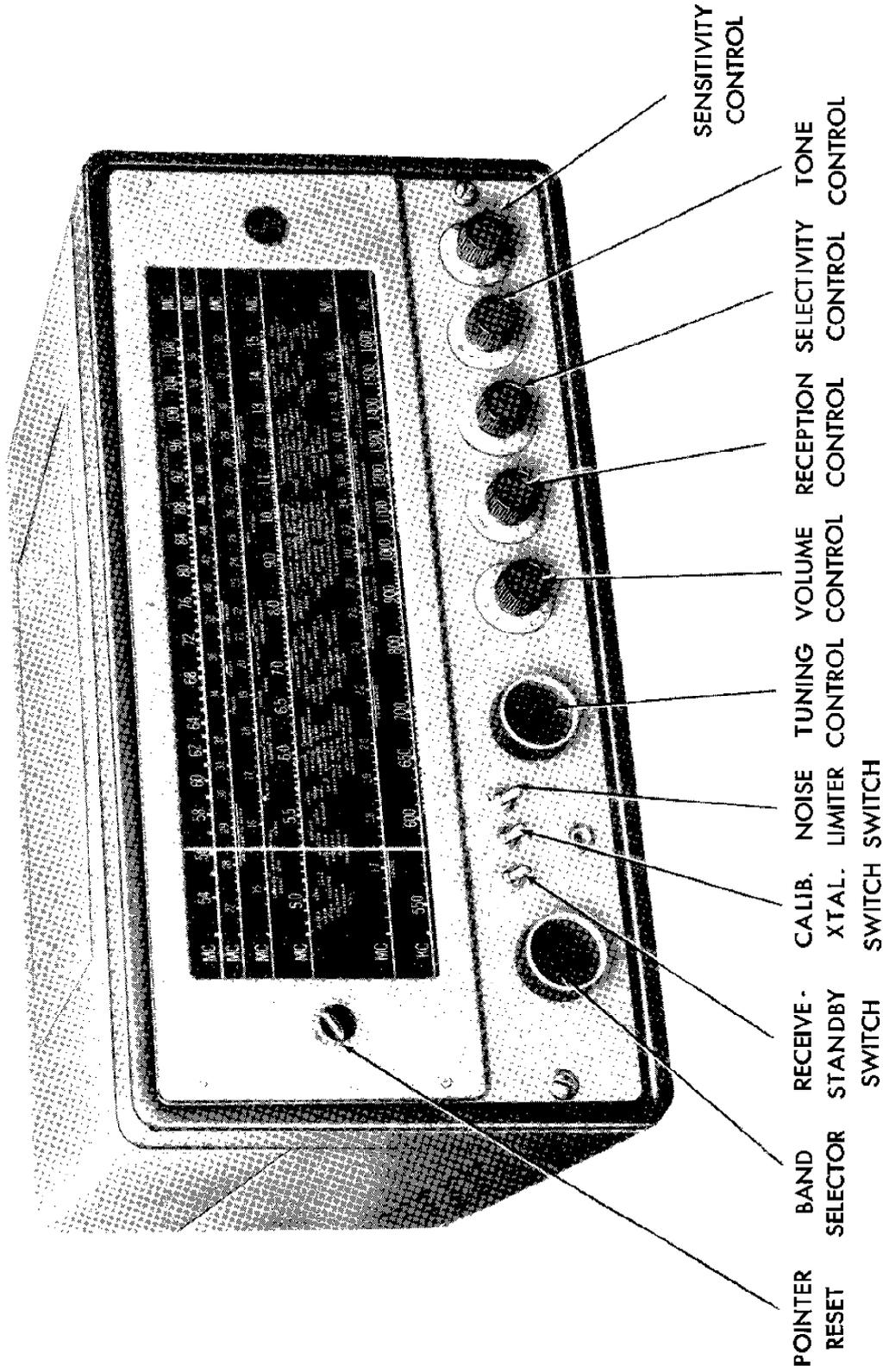
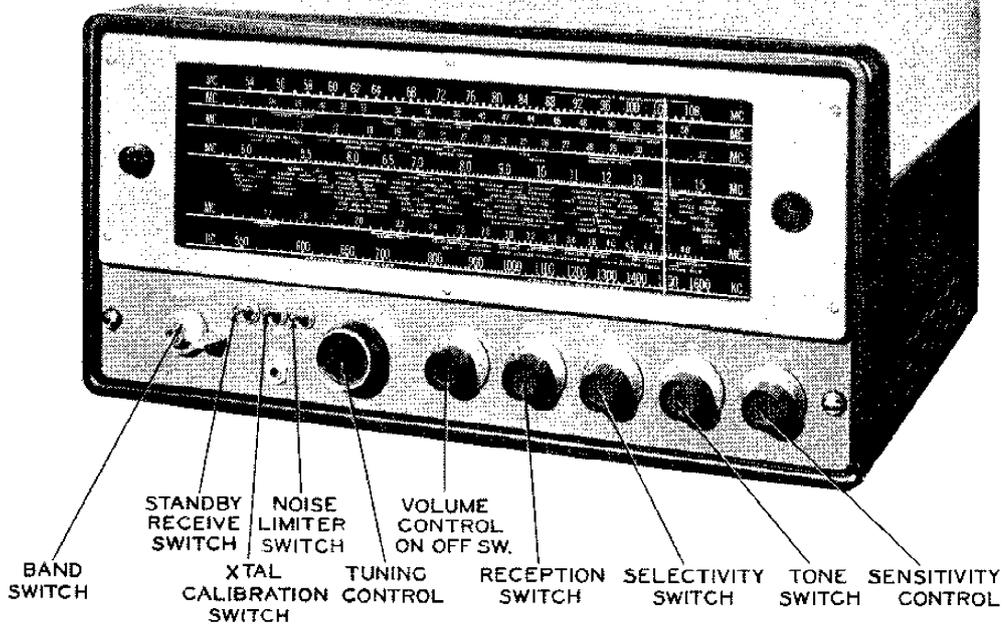


Fig. 1. Radio Receiver Model SX-62/62U

92AS19-A

PHOTOFACT* Folder

HALLICRAFTERS
MODEL SX-62



HALLICRAFTERS
MODEL SX-62

HALLICRAFTERS MODEL SX-62

TRADE NAME Hallcrafters, Model SX-62

MANUFACTURER The Hallcrafters Co., 5th & Kostner Avenues, Chicago 24, Illinois

TYPE SET AC Operated Multi-Band AM-FM Superheterodyne Receiver

TUBES(SIXTEEN) Types 6CA XTAL Calib. Csc., 6AC5 1st RF Amp., 6AC5 2nd RF Amp., 7FC Converter, 6BK7 1st IF Amp., 6BK7 2nd IF Amp., 7H7 3rd IF Amp., 7H7 4th IF AMP.-AM DET-AVC, 6H6 Discriminator, 7A4 CW Beat Csc. 6H6 Noise Limiter, 6SL7GT AF-Phase Inv. (2) 6V6GT Power Output, 6DS/VR-150 Voltage Regulator, 5U4G Rectifier

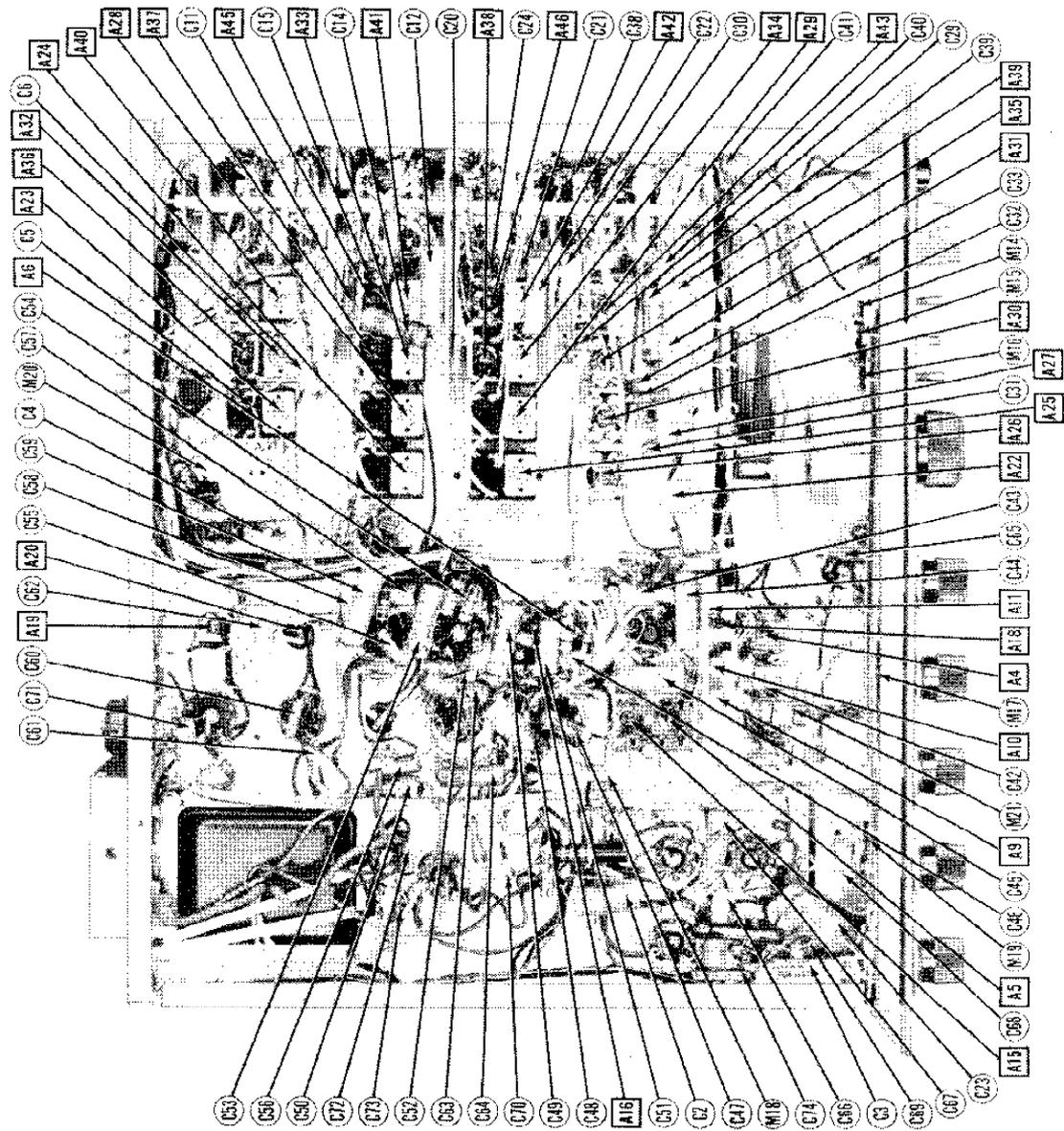
POWER SUPPLY 105-125 Volts AC RATING .198 Amp., @ 117 Volts AC

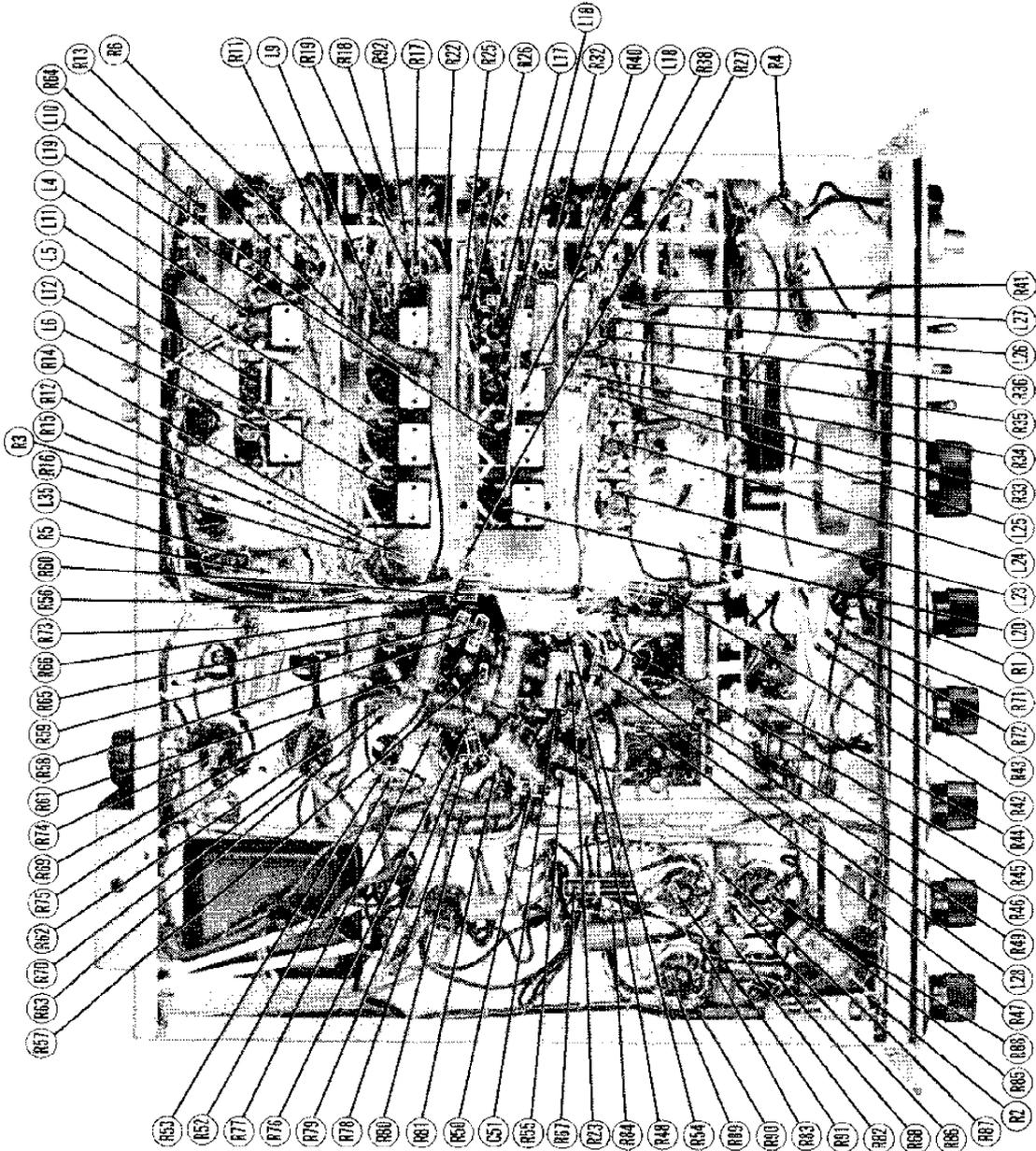
TUNING RANGE Band #1 550-1620KC, Band#2 1.62-4.9MC, Band#3 4.9-15MC, Band#4 15-32MC, Band#5 27-56MC AM-FM, Band#6 54-109MC AM-FM.

HOWARD W. SAMS & CO., INC. • Indianapolis Indiana

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HALLCRAFTERS
MODEL SX-62
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PARTS LIST AND DESCRIPTIONS (Continued)

RESISTORS

ITEM No.	RATING	RESISTANCE	WATTS	REPLACEMENT DATA		IDENTIFICATION CODES
				HALLICRAFTERS	IRC PART No.	
R27	1.00%	1000K	1/2	RC20A1227	375-1200	1st IF Decoupling
R28	1.5%	100K	1/2	RC20A1228	375-1200	2nd IF Decoupling
R29	2.2 Meg.	2.2 Meg.	1/2	RC20A1229	375-1200	3rd IF Decoupling
R30	1.00%	100K	1/2	RC20A1230	375-1200	4th IF Decoupling
R31	1.00%	100K	1/2	RC20A1231	375-1200	5th IF Decoupling
R32	2000K	2000K	1/2	RC20A1232	375-1200	6th IF Decoupling
R33	500K	500K	1/2	RC20A1233	375-1200	7th IF Decoupling
R34	4700K	4700K	1/2	RC20A1234	375-1200	8th IF Decoupling
R35	4700K	4700K	1/2	RC20A1235	375-1200	9th IF Decoupling
R36	500K	500K	1/2	RC20A1236	375-1200	10th IF Decoupling
R37	1.5%	100K	1/2	RC20A1237	375-1200	11th IF Decoupling
R38	1.5%	100K	1/2	RC20A1238	375-1200	12th IF Decoupling
R39	1.5%	100K	1/2	RC20A1239	375-1200	13th IF Decoupling
R40	1.5%	100K	1/2	RC20A1240	375-1200	14th IF Decoupling
R41	1.5%	100K	1/2	RC20A1241	375-1200	15th IF Decoupling
R42	1.5%	100K	1/2	RC20A1242	375-1200	16th IF Decoupling
R43	1.5%	100K	1/2	RC20A1243	375-1200	17th IF Decoupling
R44	1.5%	100K	1/2	RC20A1244	375-1200	18th IF Decoupling
R45	1.5%	100K	1/2	RC20A1245	375-1200	19th IF Decoupling
R46	1.5%	100K	1/2	RC20A1246	375-1200	20th IF Decoupling
R47	1.5%	100K	1/2	RC20A1247	375-1200	21st IF Decoupling
R48	1.5%	100K	1/2	RC20A1248	375-1200	22nd IF Decoupling
R49	1.5%	100K	1/2	RC20A1249	375-1200	23rd IF Decoupling
R50	1.5%	100K	1/2	RC20A1250	375-1200	24th IF Decoupling
R51	1.5%	100K	1/2	RC20A1251	375-1200	25th IF Decoupling
R52	1.5%	100K	1/2	RC20A1252	375-1200	26th IF Decoupling
R53	1.5%	100K	1/2	RC20A1253	375-1200	27th IF Decoupling
R54	1.5%	100K	1/2	RC20A1254	375-1200	28th IF Decoupling
R55	1.5%	100K	1/2	RC20A1255	375-1200	29th IF Decoupling
R56	1.5%	100K	1/2	RC20A1256	375-1200	30th IF Decoupling
R57	1.5%	100K	1/2	RC20A1257	375-1200	31st IF Decoupling
R58	1.5%	100K	1/2	RC20A1258	375-1200	32nd IF Decoupling
R59	1.5%	100K	1/2	RC20A1259	375-1200	33rd IF Decoupling
R60	1.5%	100K	1/2	RC20A1260	375-1200	34th IF Decoupling
R61	1.5%	100K	1/2	RC20A1261	375-1200	35th IF Decoupling
R62	1.5%	100K	1/2	RC20A1262	375-1200	36th IF Decoupling
R63	1.5%	100K	1/2	RC20A1263	375-1200	37th IF Decoupling
R64	1.5%	100K	1/2	RC20A1264	375-1200	38th IF Decoupling
R65	1.5%	100K	1/2	RC20A1265	375-1200	39th IF Decoupling
R66	1.5%	100K	1/2	RC20A1266	375-1200	40th IF Decoupling
R67	1.5%	100K	1/2	RC20A1267	375-1200	41st IF Decoupling
R68	1.5%	100K	1/2	RC20A1268	375-1200	42nd IF Decoupling
R69	1.5%	100K	1/2	RC20A1269	375-1200	43rd IF Decoupling
R70	1.5%	100K	1/2	RC20A1270	375-1200	44th IF Decoupling
R71	1.5%	100K	1/2	RC20A1271	375-1200	45th IF Decoupling
R72	1.5%	100K	1/2	RC20A1272	375-1200	46th IF Decoupling
R73	1.5%	100K	1/2	RC20A1273	375-1200	47th IF Decoupling
R74	1.5%	100K	1/2	RC20A1274	375-1200	48th IF Decoupling
R75	1.5%	100K	1/2	RC20A1275	375-1200	49th IF Decoupling
R76	1.5%	100K	1/2	RC20A1276	375-1200	50th IF Decoupling
R77	1.5%	100K	1/2	RC20A1277	375-1200	51st IF Decoupling
R78	1.5%	100K	1/2	RC20A1278	375-1200	52nd IF Decoupling
R79	1.5%	100K	1/2	RC20A1279	375-1200	53rd IF Decoupling
R80	1.5%	100K	1/2	RC20A1280	375-1200	54th IF Decoupling
R81	1.5%	100K	1/2	RC20A1281	375-1200	55th IF Decoupling
R82	1.5%	100K	1/2	RC20A1282	375-1200	56th IF Decoupling
R83	1.5%	100K	1/2	RC20A1283	375-1200	57th IF Decoupling
R84	1.5%	100K	1/2	RC20A1284	375-1200	58th IF Decoupling
R85	1.5%	100K	1/2	RC20A1285	375-1200	59th IF Decoupling
R86	1.5%	100K	1/2	RC20A1286	375-1200	60th IF Decoupling
R87	1.5%	100K	1/2	RC20A1287	375-1200	61st IF Decoupling
R88	1.5%	100K	1/2	RC20A1288	375-1200	62nd IF Decoupling
R89	1.5%	100K	1/2	RC20A1289	375-1200	63rd IF Decoupling
R90	1.5%	100K	1/2	RC20A1290	375-1200	64th IF Decoupling
R91	1.5%	100K	1/2	RC20A1291	375-1200	65th IF Decoupling
R92	1.5%	100K	1/2	RC20A1292	375-1200	66th IF Decoupling
R93	1.5%	100K	1/2	RC20A1293	375-1200	67th IF Decoupling
R94	1.5%	100K	1/2	RC20A1294	375-1200	68th IF Decoupling
R95	1.5%	100K	1/2	RC20A1295	375-1200	69th IF Decoupling
R96	1.5%	100K	1/2	RC20A1296	375-1200	70th IF Decoupling
R97	1.5%	100K	1/2	RC20A1297	375-1200	71st IF Decoupling
R98	1.5%	100K	1/2	RC20A1298	375-1200	72nd IF Decoupling
R99	1.5%	100K	1/2	RC20A1299	375-1200	73rd IF Decoupling
R100	1.5%	100K	1/2	RC20A1300	375-1200	74th IF Decoupling

Note: Some resistors are parallel.

PARTS LIST AND DESCRIPTIONS

TUBES (SYLVANIA or Equivalent)

ITEM No.	USE	REPLACEMENT DATA		NOTES
		HALLICRAFTERS	SVA BASE TYPE	
V1	V1A1, Oct. 1/2, 900	604	6L9	
V2	1st IF Amp.	6A6S	7E2	
V3	2nd IF Amp.	6A6S	7E2	
V4	Converter	7B8	83W	
V5	1st IF Amp.	6B7	83W	
V6	2nd IF Amp.	6B7	83W	
V7	3rd IF Amp.	6B7	83W	
V8	4th IF Amp.	6B7	83W	
V9	Detector	6BE6	9Y	
V10	AVC	6BE6	9Y	
V11	5A5 Beam	6BE6	9Y	
V12	6X4 Beam	6BE6	9Y	
V13	6X4 Beam	6BE6	9Y	
V14	6X4 Beam	6BE6	9Y	
V15	6X4 Beam	6BE6	9Y	
V16	6X4 Beam	6BE6	9Y	
V17	6X4 Beam	6BE6	9Y	
V18	6X4 Beam	6BE6	9Y	
V19	6X4 Beam	6BE6	9Y	
V20	6X4 Beam	6BE6	9Y	
V21	6X4 Beam	6BE6	9Y	
V22	6X4 Beam	6BE6	9Y	
V23	6X4 Beam	6BE6	9Y	
V24	6X4 Beam	6BE6	9Y	
V25	6X4 Beam	6BE6	9Y	
V26	6X4 Beam	6BE6	9Y	
V27	6X4 Beam	6BE6	9Y	
V28	6X4 Beam	6BE6	9Y	
V29	6X4 Beam	6BE6	9Y	
V30	6X4 Beam	6BE6	9Y	
V31	6X4 Beam	6BE6	9Y	
V32	6X4 Beam	6BE6	9Y	
V33	6X4 Beam	6BE6	9Y	
V34	6X4 Beam	6BE6	9Y	
V35	6X4 Beam	6BE6	9Y	
V36	6X4 Beam	6BE6	9Y	
V37	6X4 Beam	6BE6	9Y	
V38	6X4 Beam	6BE6	9Y	
V39	6X4 Beam	6BE6	9Y	
V40	6X4 Beam	6BE6	9Y	
V41	6X4 Beam	6BE6	9Y	
V42	6X4 Beam	6BE6	9Y	
V43	6X4 Beam	6BE6	9Y	
V44	6X4 Beam	6BE6	9Y	
V45	6X4 Beam	6BE6	9Y	
V46	6X4 Beam	6BE6	9Y	
V47	6X4 Beam	6BE6	9Y	
V48	6X4 Beam	6BE6	9Y	
V49	6X4 Beam	6BE6	9Y	
V50	6X4 Beam	6BE6	9Y	

CAPACITORS

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

ITEM No.	RATING	REPLACEMENT DATA		IDENTIFICATION CODES
		HALLICRAFTERS	SYLVANIA	
C1A	30	4830M13	48-30	Filter
C1B	20	4830M13	48-30	Filter
C1C	20	4830M13	48-30	Filter
C2	100	4830M13	48-30	Filter
C3	100	4830M13	48-30	Filter
C4	100	4830M13	48-30	Filter
C5	100	4830M13	48-30	Filter
C6	100	4830M13	48-30	Filter
C7	100	4830M13	48-30	Filter
C8	100	4830M13	48-30	Filter
C9	100	4830M13	48-30	Filter
C10	100	4830M13	48-30	Filter
C11	100	4830M13	48-30	Filter
C12	100	4830M13	48-30	Filter
C13	100	4830M13	48-30	Filter
C14	100	4830M13	48-30	Filter
C15	100	4830M13	48-30	Filter
C16	100	4830M13	48-30	Filter
C17	100	4830M13	48-30	Filter
C18	100	4830M13	48-30	Filter
C19	100	4830M13	48-30	Filter
C20	100	4830M13	48-30	Filter
C21	100	4830M13	48-30	Filter
C22	100	4830M13	48-30	Filter
C23	100	4830M13	48-30	Filter
C24	100	4830M13	48-30	Filter
C25	100	4830M13	48-30	Filter
C26	100	4830M13	48-30	Filter
C27	100	4830M13	48-30	Filter
C28	100	4830M13	48-30	Filter
C29	100	4830M13	48-30	Filter
C30	100	4830M13	48-30	Filter
C31	100	4830M13	48-30	Filter
C32	100	4830M13	48-30	Filter
C33	100	4830M13	48-30	Filter
C34	100	4830M13	48-30	Filter
C35	100	4830M13	48-30	Filter
C36	100	4830M13	48-30	Filter
C37	100	4830M13	48-30	Filter
C38	100	4830M13	48-30	Filter
C39	100	4830M13	48-30	Filter
C40	100	4830M13	48-30	Filter
C41	100	4830M13	48-30	Filter
C42	100	4830M13	48-30	Filter
C43	100	4830M13	48-30	Filter
C44	100	4830M13	48-30	Filter
C45	100	4830M13	48-30	Filter
C46	100	4830M13	48-30	Filter
C47	100	4830M13	48-30	Filter
C48	100	4830M13	48-30	Filter
C49	100	4830M13	48-30	Filter
C50	100	4830M13	48-30	Filter
C51	100	4830M13	48-30	Filter
C52	100	4830M13	48-30	Filter
C53	100	4830M13		

PARTS LIST AND DESCRIPTIONS (Continued)

TRANSFORMER (POWER)

ITEM No.	RATING			REPLACEMENT DATA			MERT PART No.
	SEC. 1	SEC. 2	SEC. 3	HALL-CRAFTERS PART No.	STANCOR PART No.	CHICAGO PART No.	
TLA	117VAC	800VAC	5VAC	520141	P-824 *	FR-200 *	
	1.145A	3A	4.7A				
B	115/230			620151			
	80.25/40						
	67.0/36						

* Add series resistor to reduce plate voltage.

TRANSFORMER (OUTPUT)

ITEM No.	RATING			REPLACEMENT DATA			INSTALLATION NOTES
	IMPEDANCE	DC RES.	CH. CURRENT	HALL-CRAFTERS PART No.	STANCOR PART No.	CHICAGO PART No.	
T2	600Ω	600Ω	480mA	558077			
	1500Ω	1500Ω	120mA				

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA			INSTALLATION NOTES
	TOTAL CURRENT	D. C. RESISTANCE	INDUCTANCE @ 1000 CPS	HALL-CRAFTERS PART No.	STANCOR PART No.	CHICAGO PART No.	
L1	1.00A	250Ω	1.7H	560067	C-1709	R-8120F	# D-(1) one new mounting hole.

R F COILS

ITEM No.	USE	DC RES.		REPLACEMENT DATA	
		PREL.	SEC.	HALL-CRAFTERS PART No.	MESSNER PART No.
L2	Ant. Coil	0.2	0.8	51B825	
L3	Ant. 2nd	0.2	0.2	51B828	Band 5
L4	Ant. 3rd	0.2	0.2	51B830	Band 4
L5	Ant. 4th	0.2	0.2	51B832	Band 3
L6	Ant. 5th	0.2	0.2	51B833	Band 1
L7	1st RF Coil	0.2	0.2	51B835	Band 5
L8	2nd RF Coil	0.2	0.2	51B837	Band 4
L9	3rd RF Coil	0.2	0.2	51B839	Band 3
L10	4th RF Coil	0.2	0.2	51B841	Band 2
L11	5th RF Coil	0.2	0.2	51B843	Band 1
L12	6th RF Coil	0.2	0.2	51B845	Band 1
L13	7th RF Coil	0.2	0.2	51B847	Band 1
L14	8th RF Coil	0.2	0.2	51B849	Band 1
L15	9th RF Coil	0.2	0.2	51B851	Band 1
L16	10th RF Coil	0.2	0.2	51B853	Band 1
L17	11th RF Coil	0.2	0.2	51B855	Band 1
L18	12th RF Coil	0.2	0.2	51B857	Band 1
L19	13th RF Coil	0.2	0.2	51B859	Band 1
L20	14th RF Coil	0.2	0.2	51B861	Band 1
L21	15th RF Coil	0.2	0.2	51B863	Band 1
L22	16th RF Coil	0.2	0.2	51B865	Band 1
L23	17th RF Coil	0.2	0.2	51B867	Band 1
L24	18th RF Coil	0.2	0.2	51B869	Band 1
L25	19th RF Coil	0.2	0.2	51B871	Band 1
L26	20th RF Coil	0.2	0.2	51B873	Band 1
L27	21st RF Coil	0.2	0.2	51B875	Band 1
L28	22nd RF Coil	0.2	0.2	51B877	Band 1
L29	23rd RF Coil	0.2	0.2	51B879	Band 1
L30	24th RF Coil	0.2	0.2	51B881	Band 1
L31	25th RF Coil	0.2	0.2	51B883	Band 1
L32	26th RF Coil	0.2	0.2	51B885	Band 1
L33	27th RF Coil	0.2	0.2	51B887	Band 1
L34	28th RF Coil	0.2	0.2	51B889	Band 1
L35	29th RF Coil	0.2	0.2	51B891	Band 1
L36	30th RF Coil	0.2	0.2	51B893	Band 1
L37	31st RF Coil	0.2	0.2	51B895	Band 1
L38	32nd RF Coil	0.2	0.2	51B897	Band 1
L39	33rd RF Coil	0.2	0.2	51B899	Band 1
L40	34th RF Coil	0.2	0.2	51B901	Band 1
L41	35th RF Coil	0.2	0.2	51B903	Band 1
L42	36th RF Coil	0.2	0.2	51B905	Band 1
L43	37th RF Coil	0.2	0.2	51B907	Band 1
L44	38th RF Coil	0.2	0.2	51B909	Band 1
L45	39th RF Coil	0.2	0.2	51B911	Band 1
L46	40th RF Coil	0.2	0.2	51B913	Band 1
L47	41st RF Coil	0.2	0.2	51B915	Band 1
L48	42nd RF Coil	0.2	0.2	51B917	Band 1
L49	43rd RF Coil	0.2	0.2	51B919	Band 1
L50	44th RF Coil	0.2	0.2	51B921	Band 1
L51	45th RF Coil	0.2	0.2	51B923	Band 1
L52	46th RF Coil	0.2	0.2	51B925	Band 1
L53	47th RF Coil	0.2	0.2	51B927	Band 1
L54	48th RF Coil	0.2	0.2	51B929	Band 1
L55	49th RF Coil	0.2	0.2	51B931	Band 1
L56	50th RF Coil	0.2	0.2	51B933	Band 1
L57	51st RF Coil	0.2	0.2	51B935	Band 1
L58	52nd RF Coil	0.2	0.2	51B937	Band 1
L59	53rd RF Coil	0.2	0.2	51B939	Band 1
L60	54th RF Coil	0.2	0.2	51B941	Band 1
L61	55th RF Coil	0.2	0.2	51B943	Band 1
L62	56th RF Coil	0.2	0.2	51B945	Band 1
L63	57th RF Coil	0.2	0.2	51B947	Band 1
L64	58th RF Coil	0.2	0.2	51B949	Band 1
L65	59th RF Coil	0.2	0.2	51B951	Band 1
L66	60th RF Coil	0.2	0.2	51B953	Band 1
L67	61st RF Coil	0.2	0.2	51B955	Band 1
L68	62nd RF Coil	0.2	0.2	51B957	Band 1
L69	63rd RF Coil	0.2	0.2	51B959	Band 1
L70	64th RF Coil	0.2	0.2	51B961	Band 1
L71	65th RF Coil	0.2	0.2	51B963	Band 1
L72	66th RF Coil	0.2	0.2	51B965	Band 1
L73	67th RF Coil	0.2	0.2	51B967	Band 1
L74	68th RF Coil	0.2	0.2	51B969	Band 1
L75	69th RF Coil	0.2	0.2	51B971	Band 1
L76	70th RF Coil	0.2	0.2	51B973	Band 1
L77	71st RF Coil	0.2	0.2	51B975	Band 1
L78	72nd RF Coil	0.2	0.2	51B977	Band 1
L79	73rd RF Coil	0.2	0.2	51B979	Band 1
L80	74th RF Coil	0.2	0.2	51B981	Band 1
L81	75th RF Coil	0.2	0.2	51B983	Band 1
L82	76th RF Coil	0.2	0.2	51B985	Band 1
L83	77th RF Coil	0.2	0.2	51B987	Band 1
L84	78th RF Coil	0.2	0.2	51B989	Band 1
L85	79th RF Coil	0.2	0.2	51B991	Band 1
L86	80th RF Coil	0.2	0.2	51B993	Band 1
L87	81st RF Coil	0.2	0.2	51B995	Band 1
L88	82nd RF Coil	0.2	0.2	51B997	Band 1
L89	83rd RF Coil	0.2	0.2	51B999	Band 1
L90	84th RF Coil	0.2	0.2	51B1001	Band 1
L91	85th RF Coil	0.2	0.2	51B1003	Band 1
L92	86th RF Coil	0.2	0.2	51B1005	Band 1
L93	87th RF Coil	0.2	0.2	51B1007	Band 1
L94	88th RF Coil	0.2	0.2	51B1009	Band 1
L95	89th RF Coil	0.2	0.2	51B1011	Band 1
L96	90th RF Coil	0.2	0.2	51B1013	Band 1
L97	91st RF Coil	0.2	0.2	51B1015	Band 1
L98	92nd RF Coil	0.2	0.2	51B1017	Band 1
L99	93rd RF Coil	0.2	0.2	51B1019	Band 1
L100	94th RF Coil	0.2	0.2	51B1021	Band 1
L101	95th RF Coil	0.2	0.2	51B1023	Band 1
L102	96th RF Coil	0.2	0.2	51B1025	Band 1
L103	97th RF Coil	0.2	0.2	51B1027	Band 1
L104	98th RF Coil	0.2	0.2	51B1029	Band 1
L105	99th RF Coil	0.2	0.2	51B1031	Band 1
L106	100th RF Coil	0.2	0.2	51B1033	Band 1
L107	101st RF Coil	0.2	0.2	51B1035	Band 1
L108	102nd RF Coil	0.2	0.2	51B1037	Band 1
L109	103rd RF Coil	0.2	0.2	51B1039	Band 1
L110	104th RF Coil	0.2	0.2	51B1041	Band 1
L111	105th RF Coil	0.2	0.2	51B1043	Band 1
L112	106th RF Coil	0.2	0.2	51B1045	Band 1
L113	107th RF Coil	0.2	0.2	51B1047	Band 1
L114	108th RF Coil	0.2	0.2	51B1049	Band 1
L115	109th RF Coil	0.2	0.2	51B1051	Band 1
L116	110th RF Coil	0.2	0.2	51B1053	Band 1
L117	111th RF Coil	0.2	0.2	51B1055	Band 1
L118	112th RF Coil	0.2	0.2	51B1057	Band 1
L119	113th RF Coil	0.2	0.2	51B1059	Band 1
L120	114th RF Coil	0.2	0.2	51B1061	Band 1
L121	115th RF Coil	0.2	0.2	51B1063	Band 1
L122	116th RF Coil	0.2	0.2	51B1065	Band 1
L123	117th RF Coil	0.2	0.2	51B1067	Band 1
L124	118th RF Coil	0.2	0.2	51B1069	Band 1
L125	119th RF Coil	0.2	0.2	51B1071	Band 1
L126	120th RF Coil	0.2	0.2	51B1073	Band 1
L127	121st RF Coil	0.2	0.2	51B1075	Band 1
L128	122nd RF Coil	0.2	0.2	51B1077	Band 1
L129	123rd RF Coil	0.2	0.2	51B1079	Band 1
L130	124th RF Coil	0.2	0.2	51B1081	Band 1
L131	125th RF Coil	0.2	0.2	51B1083	Band 1
L132	126th RF Coil	0.2	0.2	51B1085	Band 1
L133	127th RF Coil	0.2	0.2	51B1087	Band 1
L134	128th RF Coil	0.2	0.2	51B1089	Band 1
L135	129th RF Coil	0.2	0.2	51B1091	Band 1
L136	130th RF Coil	0.2	0.2	51B1093	Band 1
L137	131st RF Coil	0.2	0.2	51B1095	Band 1
L138	132nd RF Coil	0.2	0.2	51B1097	Band 1
L139	133rd RF Coil	0.2	0.2	51B1099	Band 1
L140	134th RF Coil	0.2	0.2	51B1101	Band 1
L141	135th RF Coil	0.2	0.2	51B1103	Band 1
L142	136th RF Coil	0.2	0.2	51B1105	Band 1
L143	137th RF Coil	0.2	0.2	51B1107	Band 1
L144	138th RF Coil	0.2	0.2	51B1109	Band 1
L145	139th RF Coil	0.2	0.2	51B1111	Band 1
L146	140th RF Coil	0.2	0.2	51B1113	Band 1
L147	141st RF Coil	0.2	0.2	51B1115	Band 1
L148	142nd RF Coil	0.2	0.2	51B1117	Band 1
L149	143rd RF Coil	0.2	0.2	51B1119	Band 1
L150	144th RF Coil	0.2	0.2	51B1121	Band 1
L151	145th RF Coil	0.2	0.2	51B1123	Band 1
L152	146th RF Coil	0.2	0.2	51B1125	Band 1
L153	147th RF Coil	0.2	0.2	51B1127	Band 1
L154	148th RF Coil	0.2	0.2	51B1129	Band 1
L155	149th RF Coil	0.2	0.2	51B1131	Band 1
L156	150th RF Coil	0.2	0.2	51B1133	Band 1
L157	151st RF Coil	0.2	0.2	51B1135	Band 1
L158	152nd RF Coil	0.2	0.2	51B1137	Band 1
L159	153rd RF Coil	0.2	0.2	51B1139	Band 1
L160	154th RF Coil	0.2	0.2	51B1141	Band 1
L161	155th RF Coil	0.2	0.2	51B1143	Band 1
L162	156th RF Coil	0.2	0.2	51B1145	Band 1
L163	157th RF Coil	0.2	0.2	51B1147	Band 1
L164	158th RF Coil	0.2	0.2	51B1149	Band 1
L165	159th RF Coil	0.2	0.2	51B1151	Band 1
L166	160th RF Coil	0.2	0.2	51B1153	Band 1
L167	161st RF Coil	0.2	0.2	51B1155	Band 1
L168					

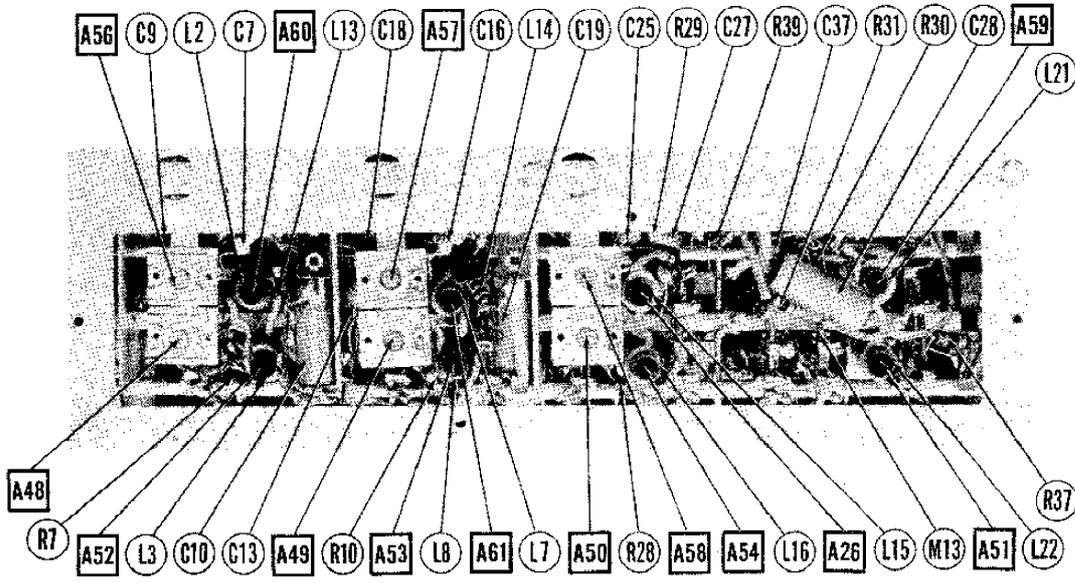
PARTS LIST AND DESCRIPTIONS (Continued)

DIAL LIGHTS

ITEM No.	BASE TYPE	VOLTS	AMPS.	BEAD COLOR	REPLACEMENT DATA		NOTES
					HALL EFFECT SWITCHES PART No.	TYPE #54	
M1	Bayonet	5-8V	0.25A	St. Op.			Type #54
M2							
M3							

MISCELLANEOUS

ITEM No.	PART NAME	CALL LETTERS PART No.	NOTES
M7	SWITCH	56135167	
M14	Shanty	60A1139	
M15	AMPL. CALIB.	60A1138	
M16	5X188 LAMPS	60A1198	
M17	RECEPTOR	5002300	
M18	RECEPTOR	60A2504	
M19	RECEPTOR	60A2503	
M20	RECEPTOR	5011228	
M21	RECEPTOR	15A11811	
M22	RECEPTOR	4892904	
M23	TURNING GEAR	44A1078	
M24	TURNING GEAR	44A1164	
M25	TURNING GEAR	44A1078	
M26	TURNING GEAR	44A1077	
M27	TURNING GEAR	44A1077	
M28	TURNING GEAR	44A1077	
M29	TURNING GEAR	44A1077	
M30	TURNING GEAR	44A1077	
M31	TURNING GEAR	44A1077	
M32	TURNING GEAR	44A1077	
M33	TURNING GEAR	44A1077	
M34	TURNING GEAR	44A1077	
M35	TURNING GEAR	44A1077	
M36	TURNING GEAR	44A1077	
M37	TURNING GEAR	44A1077	
M38	TURNING GEAR	44A1077	
M39	TURNING GEAR	44A1077	
M40	TURNING GEAR	44A1077	
M41	TURNING GEAR	44A1077	
M42	TURNING GEAR	44A1077	
M43	TURNING GEAR	44A1077	
M44	TURNING GEAR	44A1077	
M45	TURNING GEAR	44A1077	
M46	TURNING GEAR	44A1077	
M47	TURNING GEAR	44A1077	
M48	TURNING GEAR	44A1077	
M49	TURNING GEAR	44A1077	
M50	TURNING GEAR	44A1077	
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M61	TURNING GEAR	44A1077	
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M66	TURNING GEAR	44A1077	
M67	TURNING GEAR	44A1077	
M68	TURNING GEAR	44A1077	
M69	TURNING GEAR	44A1077	
M70	TURNING GEAR	44A1077	
M71	TURNING GEAR	44A1077	
M72	TURNING GEAR	44A1077	
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M89	TURNING GEAR	44A1077	
M90	TURNING GEAR	44A1077	
M91	TURNING GEAR	44A1077	
M92	TURNING GEAR	44A1077	
M93	TURNING GEAR	44A1077	
M94	TURNING GEAR	44A1077	
M95	TURNING GEAR	44A1077	
M96	TURNING GEAR	44A1077	
M97	TURNING GEAR	44A1077	
M98	TURNING GEAR	44A1077	
M99	TURNING GEAR	44A1077	
M100	TURNING GEAR	44A1077	



ALIGNMENT INSTRUCTIONS

IF ALIGNMENT

Pre-set the front panel controls as follows:	
Receive/standby	Receive
Calib. Ital	Off
Noise Limiter	Off
Volume	Near Maximum
Reception	AM
Selectivity	Normal/Sharp
Sensitivity	Near Maximum

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1. .1MFD	High side to Pin 1 (Grid) 7F8 (V4), Low side to chassis	455KC	Band 1	1000KC	Across voice coil	A1, A2, A3, A4, A5, A6	Adjust for maximum output.
2. Set reception switch at "CW" and adjust A7 for 1000K note.							
3. Set selectivity control to crystal/broad. Turn A4 slowly in one direction across the resonant setting obtained above and "rock" the signal generator observing the dip in the output meter reading. The correct setting of A4 is in center of the observed dip. Set the signal generator at the weaker of the two peaks obtained on either side of zero beat and adjust A8 (crystal phasing trimmer) for the null.							
4. Set selectivity control to crystal/sharp and A9 near minimum capacity. Slowly increase its capacity while "rocking" the signal generator and adjust for maximum output. It may be necessary to reduce the signal generator input and the receiver sensitivity to prevent overloading. After peaking A9, turn it in until a 2 db. drop in output occurs.							
5. Tune signal generator to the exact crystal frequency and note output meter reading. Set selectivity control to crystal/broad position and note the drop in output reading. Switch to crystal/medium position and with A10 pre-set near minimum capacity, slowly increase its capacity, while "rocking" the signal generator, until output meter reads half way between output readings obtained in the sharp crystal and broad crystal positions.							
6. Set reception switch to "AM" and the selectivity control to crystal/sharp and set signal generator to the exact crystal frequency. Switch to normal/sharp position and reset A1, A2, A3, A5, A6, A8, and A11 for maximum output.							
7. Set reception switch to "CW" and adjust A7 for zero beat.							
DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
8. .1MFD	High side to Pin 1 (Grid) 7F8 (V4), Low side to chassis.	10.7MC (AM) (400K MOD)	Band 3	Mid Scale	Across voice coil	A12, A13, A14, A15, A16	Adjust for maximum output.
9. .1MFD	"	"	"	"	"	A17, A18	Adjust for maximum output. Do not readjust A12 thru A16.
10. Remove 400K modulation and set reception control to "CW". Adjust A19 for zero beat.							
11. Add 400K modulation, turn reception control to "FM" and adjust A20 for maximum output.							
12. Adjust A21 for the null or minimum indication on the output meter. Slowly tune signal generator down 13.790 and note the two maximum readings on the output meter. If the peaks are equal, the discriminator transformer is properly aligned. If not, it may be necessary to readjust A20 until reasonable balance is obtained.							

Connect signal generator high side thru RFA dummy to A-1 on antenna terminal strip and place a jumper across the "A-2" and "V4" terminals. Use only enough signal from generator to give a 500 milliwatt output reading for best results. The RFA dummy antenna consists of a 200PF capacitor in series with a 200H RF choke which is shunted by a 400KΩ capacitor in series with a 400Ω carbon resistor.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POS.	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
13. RFA Dummy	High side to "A1" on Ant. terminal strip. Low side to chassis.	1500KC	Band 1	1500KC	Across voice coil	A22, A23, A24, A25	Adjust for maximum output.
14. RFA Dummy	"	800KC	"	600KC	"	A26	"
15. RFA Dummy	"	4.5MC	Band 2	4.5MC	"	A27, A28, A29	"
16. RFA Dummy	"	2.0MC	"	2.0MC	"	A30	"
17. RFA Dummy	"	14.0MC	Band 3	14.0MC	"	A31, A32, A33, A34	"
18. RFA Dummy	"	7.0MC	"	7.0MC	"	A35, A36, A37, A38	"
19. RFA Dummy	"	28.0MC	Band 4	28.0MC	"	A39, A40, A41, A42	"
20. RFA Dummy	"	18.0MC	"	18.0MC	"	A43, A44, A45, A46	"
21. 300Ω carbon res.	High side thru 300Ω to "A1", low side to chassis.	50.0MC	Band 5	50.0MC	"	A47, A48, A49, A50	"
22. 300Ω carbon res.	"	30.0MC	"	30.0MC	"	A51, A52, A53, A54	"
23. 300Ω carbon res.	"	105MC	Band 6	105MC	"	A55, A56, A57, A58	"
24. 300Ω carbon res.	"	60MC	"	60KC	"	A59, A60, A61, A62	"

HALLCRAFTERS
MODEL SX-62

PAGE 7

VOLTAGE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
1	6C4	23VDC	0V	0V	6.3VAC	23VDC	-4VDC	0V	
2	6AG5	0V	1.6VDC	0V	6.3VAC	23.5VDC	16.5VDC	1.6VDC	
3	6AG5	-1.1VDC	1.6VDC	0V	6.3VAC	24.0VDC	16.5VDC	1.6VDC	
4	7F8	-9VDC	0V	8.5VDC	4VDC	0V	12.5VDC	6.3VAC	±2.4VDC
5	6SK7	0V	6.3VAC	0V	0V	8.5VDC	16.0VDC	0V	24.0VDC
6	6SQ7	0V	6.3VAC	2.8VDC	0V	2.8VDC	14.0VDC	0V	24.0VDC
7	7H7	0V	22.5VDC	30.0VDC	0V	0V	0V	7.6VDC	6.3VAC
8	7H7	0V	50VDC	50VDC	0V	0V	-1.5VDC	0V	6.3VAC
9	6X6	0V	0V	-5.7VDC	1.8VDC	-1.8VDC	0V	6.3VAC	0V
10	6M4	0V	14.0VDC	0V	0V	0V	16.5VDC	24.0VDC	6.3VAC
11	6X6	0V	0V	-1.5VDC	-1.5VDC	0V	-1.2VDC	4.3VAC	0V
12	6SL6GT	0V	65VDC	1.8VDC	0V	86VDC	6VDC	6.3VAC	0V
13	6V6GT	0V	0V	27.0VDC	24.0VDC	0V	0V	6.3VAC	14.5VDC
14	6V6GT	0V	0V	27.0VDC	24.0VDC	0V	0V	6.3VAC	14.5VDC
15	6D6/VR-100	14.5VDC	0V	15.5VDC	0V	15.5VDC	0V	14.5VDC	0V
16	6X6	0V	20.0VDC	0V	27.0VDC	0V	27.0VDC	25.0VDC	23.0VDC

‡ TAKEN WITH VACUUM TUBE VOLTMETER.

RESISTANCE READINGS

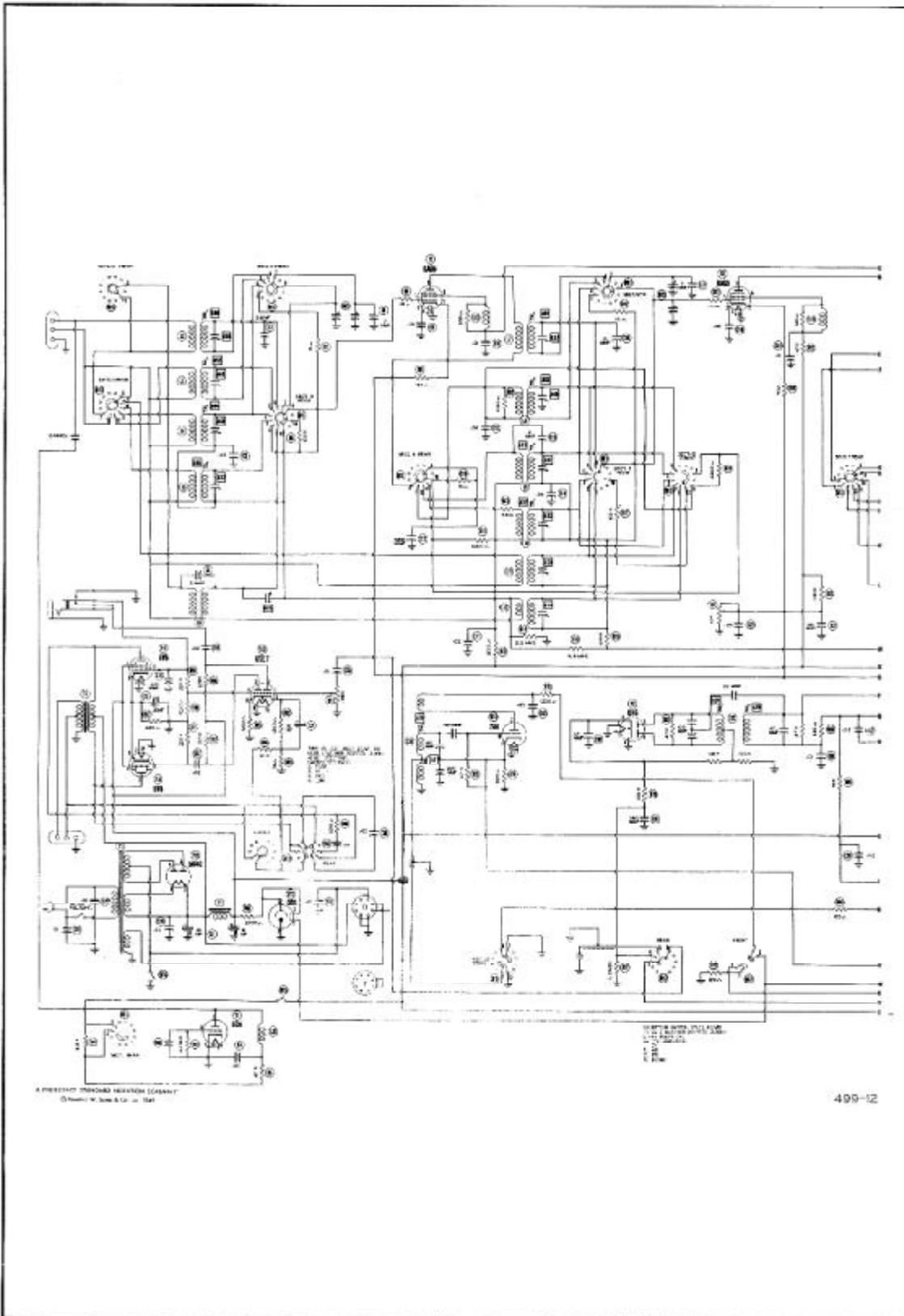
Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
1	6C4	*500KΩ	0Ω	0Ω	.2Ω	500KΩ	4.7 Meg.	0Ω	
2	6AG5	2. Meg.	Inf.	0Ω	.2Ω	*3.5KΩ	*3.5KΩ	170Ω	
3	6AG5	1.3 Meg.	1.5Ω	0Ω	.2Ω	*1.2KΩ	*47KΩ	170Ω	
4	7F8	2.2 Meg.	0Ω	*2.5KΩ	100Ω	0Ω	*3Ω	.2Ω	10Ω
5	6SK7	0Ω	.2Ω	0Ω	*2.1Meg.	270Ω	*30Ω	0Ω	*1.5KΩ
6	6SQ7	0Ω	.2Ω	230Ω	2.5 Meg.	530Ω	60KΩ	0Ω	*1.5KΩ
7	7H7	0Ω	*11KΩ	*50KΩ	0Ω	0Ω	2.2 Meg.	1.0KΩ	.2Ω
8	7H7	0Ω	*50 KΩ	*52KΩ	0Ω	0Ω	24.0KΩ	0Ω	.2Ω
9	6X6	0Ω	0Ω	140KΩ	270KΩ	120KΩ	Inf.	.2Ω	0Ω
10	7A6	0V	*160KΩ	10Ω	Inf.	Inf.	65KΩ	5KΩ	.2Ω
11	6X6	0Ω	0Ω	2.2Meg.	1.7 Meg.	Inf.	150Ω	2.2KΩ	1.0KΩ
12	6SL6GT	1 Meg.	*220KΩ	1.5KΩ	8.5KΩ	22.0KΩ	1.2KΩ	.2Ω	0Ω
13	6V6GT	0Ω	0Ω	*200Ω	*250Ω	220KΩ	10KΩ	.2Ω	200Ω
14	6V6GT	0Ω	0Ω	*250Ω	*250Ω	220KΩ	5Ω	.2Ω	200Ω
15	6D6/VR-100	2.2KΩ	0Ω	*2.2KΩ	220KΩ	*2.2KΩ	Inf.	*5.2KΩ	Inf.
16	6X6	Inf.	50KΩ	Inf.	6Ω	Inf.	5Ω	55KΩ	50KΩ

‡ VOLTAGE AND RESISTANCE READINGS TAKEN IN 6A POSITION.

* Measured from pin 2 of V16 (6U6)

† Taken in lead 2 position.

- DC Voltage measurements are at 20,000 ohms per volt; AC Voltages measured at 1,000 ohms.
- Socket connections are shown as bottom views.
- Measured values are from socket pin to common negative.
- Line voltage maintained at 117 volts for voltage readings.
- Nominal tolerance on component values makes possible a variation of ±15% in voltage and resistance readings.
- Volume control at maximum, no signal applied for voltage measurements.



VOLTAGE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
1	6C4	23VDC	0V	0V	6.3VAC	23VDC	-4VDC	0V	
2	6AG5	0V	1.6VDC	0V	6.3VAC	23.5VDC	16.5VDC	1.6VDC	
3	6AG5	-1.1VDC	1.6VDC	0V	6.3VAC	24.0VDC	1.6VDC	1.6VDC	
4	7F8	-9VDC	0V	8.5VDC	4VDC	0V	12.5VDC	6.3VAC	±2.4VDC
5	6SK7	0V	6.3VAC	0V	0V	8.5VDC	16.0VDC	0V	24.0VDC
6	6SQ7	0V	6.3VAC	2.8VDC	0V	2.8VDC	14.0VDC	0V	24.0VDC
7	7H7	0V	22.5VDC	30.0VDC	0V	0V	0V	7.6VDC	6.3VAC
8	7H7	0V	50VDC	50VDC	0V	0V	-1.5VDC	0V	6.3VAC
9	6X6	0V	0V	-5.7VDC	1.8VDC	-1.8VDC	0V	6.3VAC	0V
10	6M4	0V	14.0VDC	0V	0V	0V	16.5VDC	24VDC	6.3VAC
11	6X6	0V	0V	-1.5VDC	-1.5VDC	0V	-1.2VDC	4.3VAC	0V
12	6SL6GT	0V	65VDC	1.8VDC	0V	86VDC	6VDC	6.3VAC	0V
13	6V6GT	0V	0V	27.0VDC	24.0VDC	0V	0V	6.3VAC	14.5VDC
14	6V6GT	0V	0V	27.0VDC	24.0VDC	0V	0V	6.3VAC	14.5VDC
15	6D6/VR-100	14.5VDC	0V	15.5VDC	0V	15.5VDC	0V	14.5VDC	0V
16	6X6	0V	20.0VDC	0V	27.0VDC	0V	27.0VDC	25.0VDC	23.0VDC

‡ TAKEN WITH VACUUM TUBE VOLTMETER.

RESISTANCE READINGS

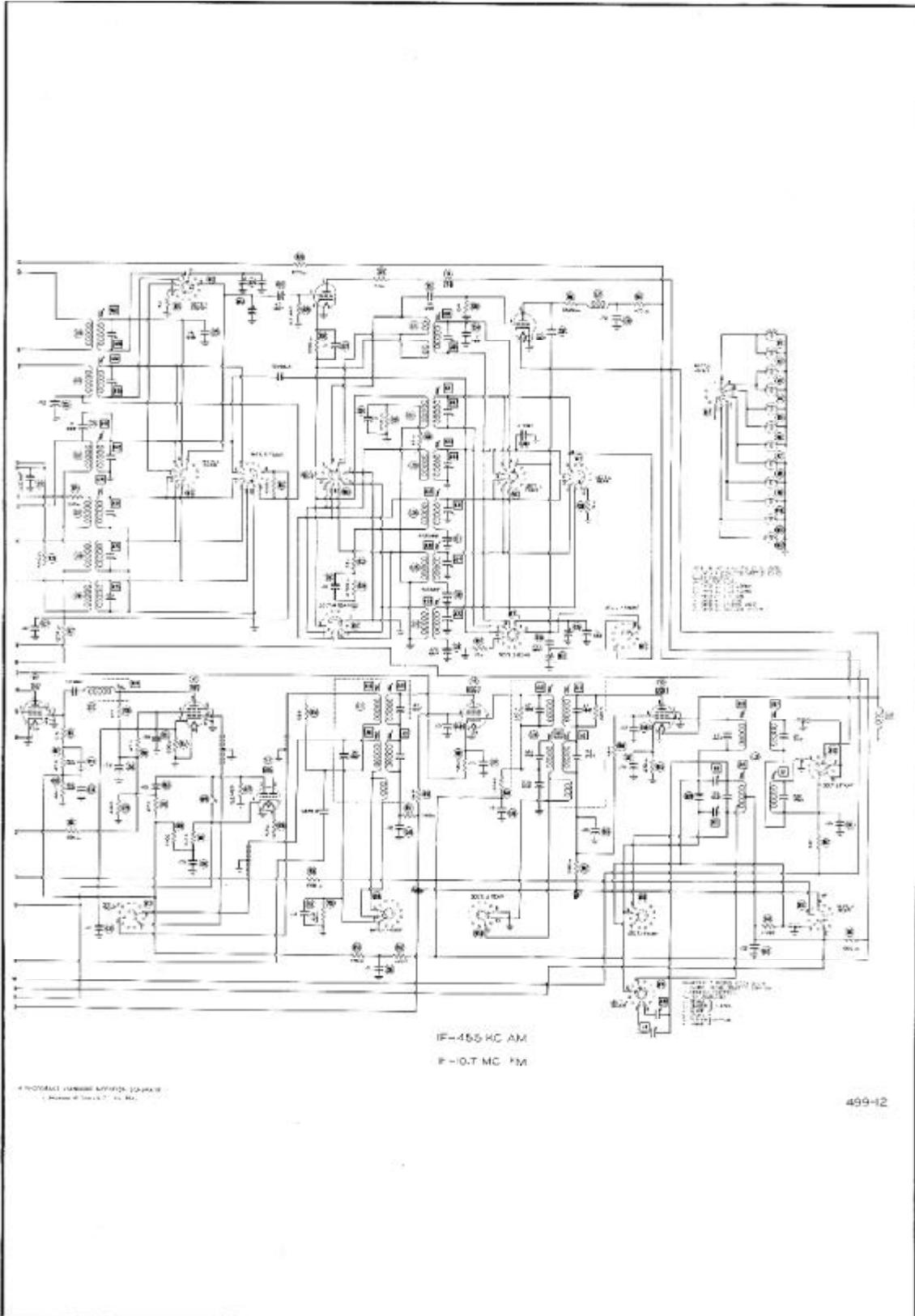
Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
1	6C4	*500KΩ	0Ω	0Ω	.2Ω	500KΩ	4.7 Meg.	0Ω	
2	6AG5	2. Meg.	Inf.	0Ω	.2Ω	*3.5KΩ	*3.5KΩ	170Ω	
3	6AG5	1.3 Meg.	1.5Ω	0Ω	.2Ω	*1.2KΩ	*47KΩ	170Ω	
4	7F8	2.2 Meg.	0Ω	*2.5KΩ	100Ω	0Ω	*30Ω	.2Ω	10Ω
5	6SK7	0Ω	.2Ω	0Ω	*2.1Meg.	270Ω	*30Ω	0Ω	*1.5KΩ
6	6SQ7	0Ω	.2Ω	230Ω	2.5 Meg.	530Ω	60KΩ	0Ω	*1.5KΩ
7	7H7	0Ω	*11KΩ	*50KΩ	0Ω	0Ω	2.2 Meg.	1.0KΩ	.2Ω
8	7H7	0Ω	*50 KΩ	*52KΩ	0Ω	0Ω	24.0KΩ	0Ω	.2Ω
9	6X6	0Ω	0Ω	140KΩ	270KΩ	120KΩ	Inf.	.2Ω	0Ω
10	7A6	0V	*160KΩ	10Ω	Inf.	Inf.	65KΩ	5KΩ	.2Ω
11	6X6	0Ω	0Ω	2.2Meg.	1.7 Meg.	Inf.	150Ω	2.2KΩ	1.0 Meg.
12	6SL6GT	1 Meg.	*220KΩ	1.5KΩ	8.5KΩ	22.0KΩ	1.2KΩ	.2Ω	0Ω
13	6V6GT	0Ω	0Ω	*200Ω	*250Ω	220KΩ	10KΩ	.2Ω	200Ω
14	6V6GT	0Ω	0Ω	*250Ω	*250Ω	220KΩ	50Ω	.2Ω	200Ω
15	6D6/VR-100	2.2KΩ	0Ω	*2.2KΩ	220KΩ	*2.2KΩ	Inf.	*5.2KΩ	Inf.
16	6X6	Inf.	50KΩ	Inf.	6Ω	Inf.	50Ω	55KΩ	50KΩ

‡ VOLTAGE AND RESISTANCE READINGS TAKEN IN 6A POSITION.

* Measured from pin 2 of V16 (6U6)

† Taken in lead 2 position.

- DC Voltage measurements are at 20,000 ohms per volt; AC Voltages measured at 1,000 ohms.
- Socket connections are shown as bottom views.
- Measured values are from socket pin to common negative.
- Line voltage maintained at 117 volts for voltage readings.
- Nominal tolerance on component values makes possible a variation of ±15% in voltage and resistance readings.
- Volume control at maximum, no signal applied for voltage measurements.



IF-455 KC AM
F-10.7 MC FM

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