

PHOTOFACT® Folder

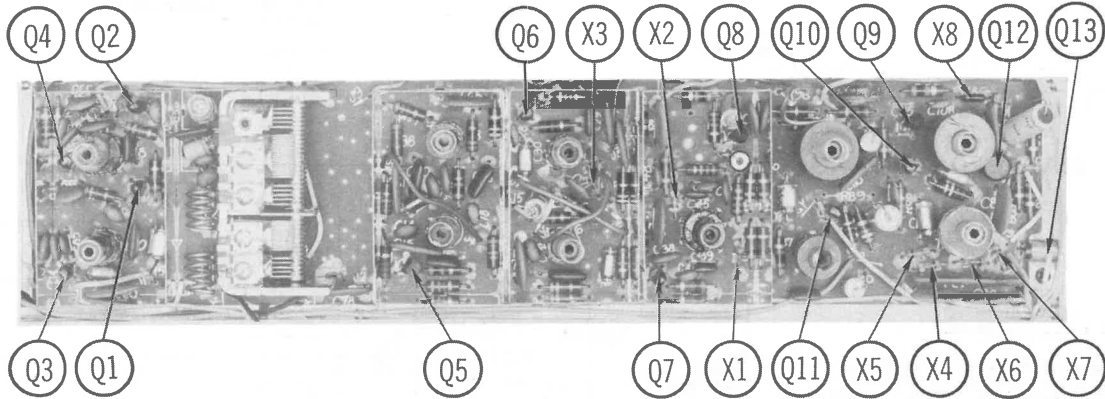
with CIRCUITRACE™

GENERAL ELECTRIC CHASSIS
TU105-1, TU110-3, T7N-A/-B/-C/-G



TRADE NAME:	General Electric Models:	Tuner Ch.	Amp. Ch.	Models:	Tuner Ch.	Amp. Ch.
	A221g	NONE	T7N-C	C229g	TU105-1	T7N-B
	A231g	TU105-1	T7N-B	C263g	TU110-3	T7N-B
	A235g	TU105-1	T7N-B	C363g	TU105-1	T7N-B
	B214g	NONE	T7N-C	D264g	TU105-1	T7N-B
	B223g	TU105-1	T7N-B	EA362g	TU105-1	T7N-B
	B227g	TU105-1	T7N-B	EB262g	TU105-1	T7N-B
	B232g	TU105-1	T7N-B	EC265g	TU105-1	T7N-B
	B233g	TU105-1	T7N-B	P741g	NONE	T7N-A
	C213g	NONE	T7N-C	P742g	NONE	T7N-A
	C222g	TU105-1	T7N-B	R750j	TU105-1	T7N-G
	C224g	TU105-1	T7N-B	T660g	NONE	T7N-A
	C225g	TU105-1	T7N-B	T781g	NONE	T7N-A
	C226g	TU105-1	T7N-B	T841g	NONE	T7N-C
SUPPLIER:	For Current Address, See Annual Index					
TYPE SET:	25 Transistor AM-FM-FM Stereo Receiver W/4 Speed Automatic Record Changer					
POWER SUPPLY:	110-120 Volts AC, 60 Cycles	RATING:	5 Watts, .065 Amp. @ 117 Volts AC (Less Motor)			

FOR SERVICE INFORMATION ON RECORD CHANGER—SEE GENERAL ELECTRIC RD310-4, RD310-5, RD310-6, RD310-10, RD310-12, RD325-1, RD325-2.

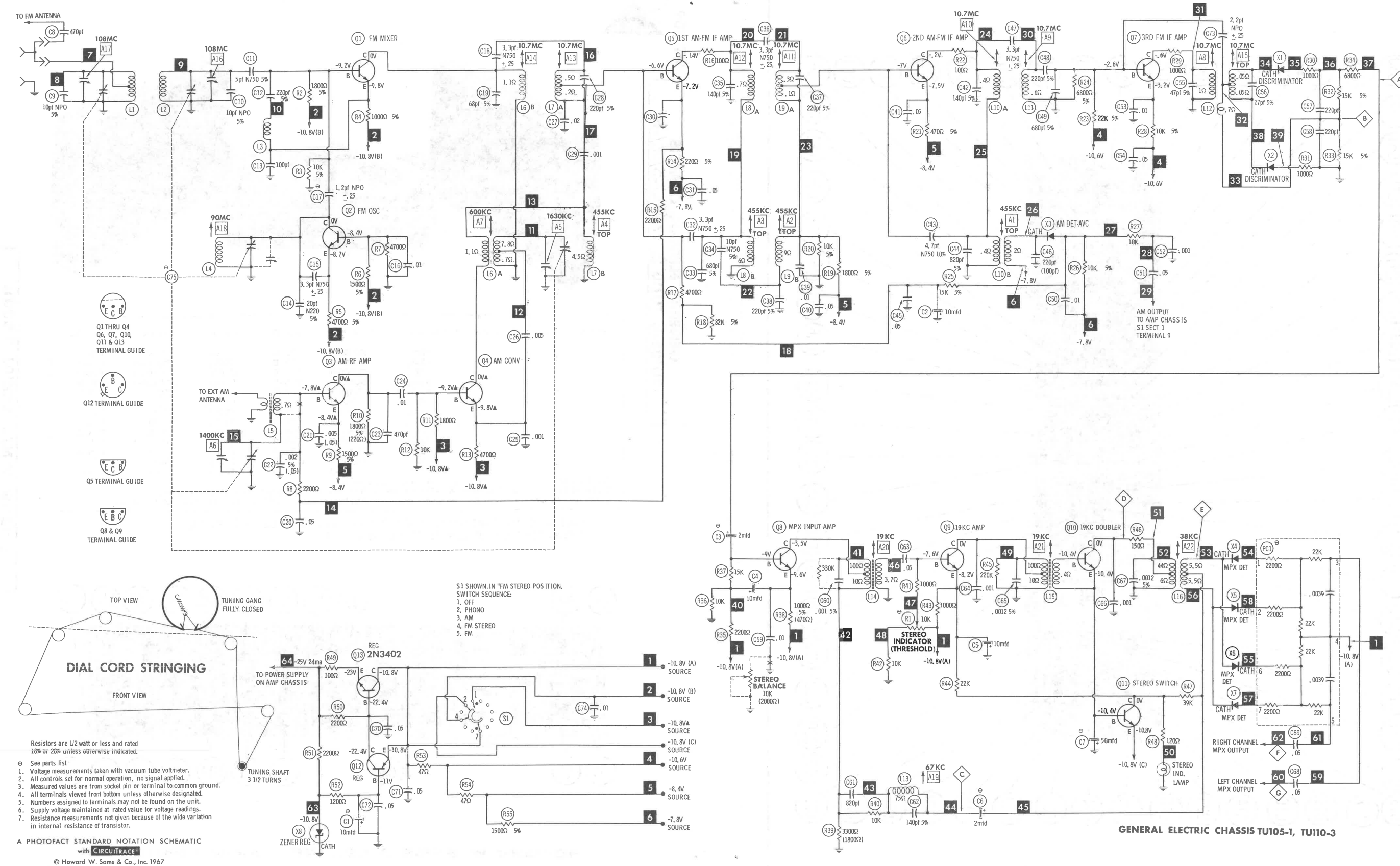


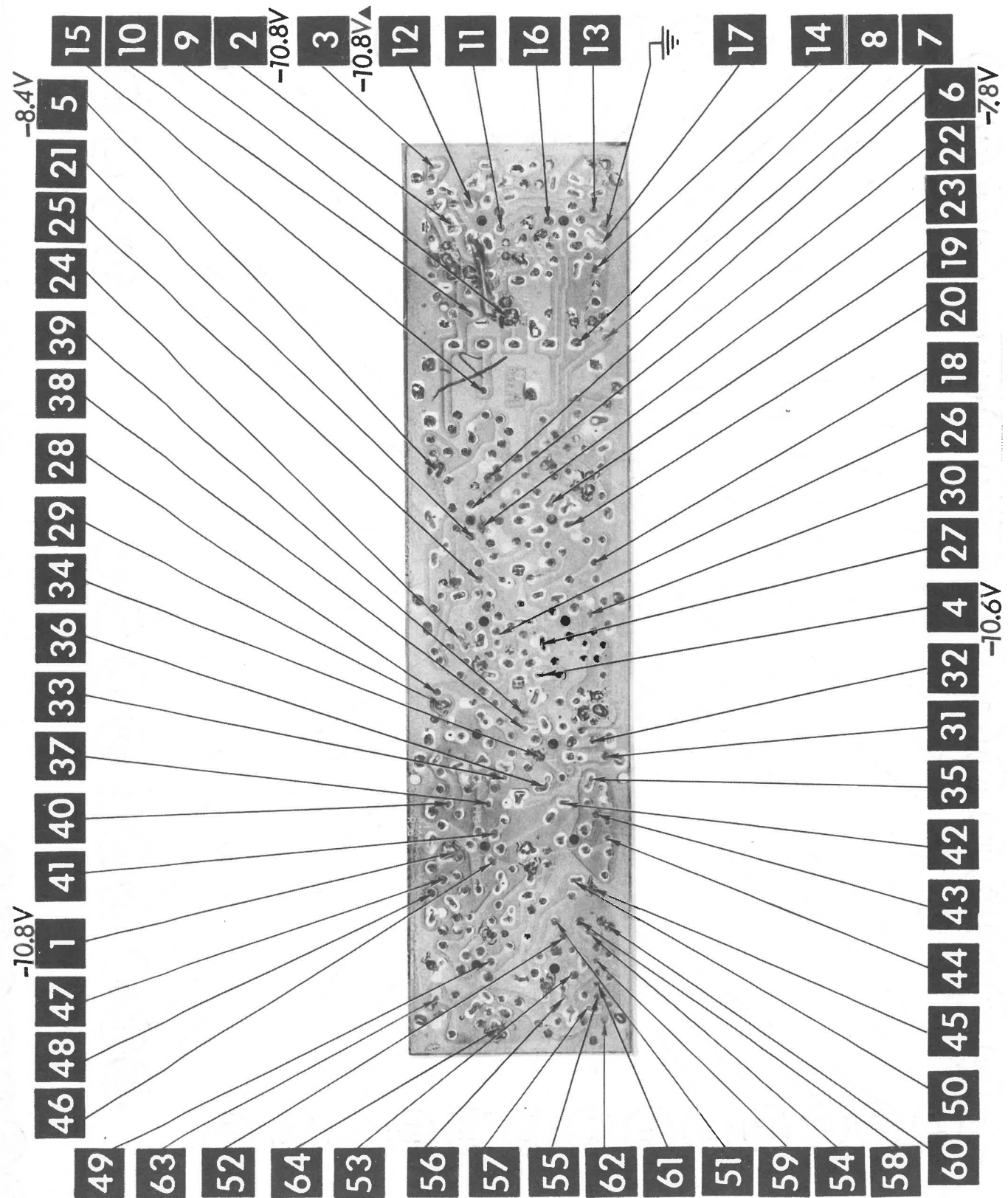
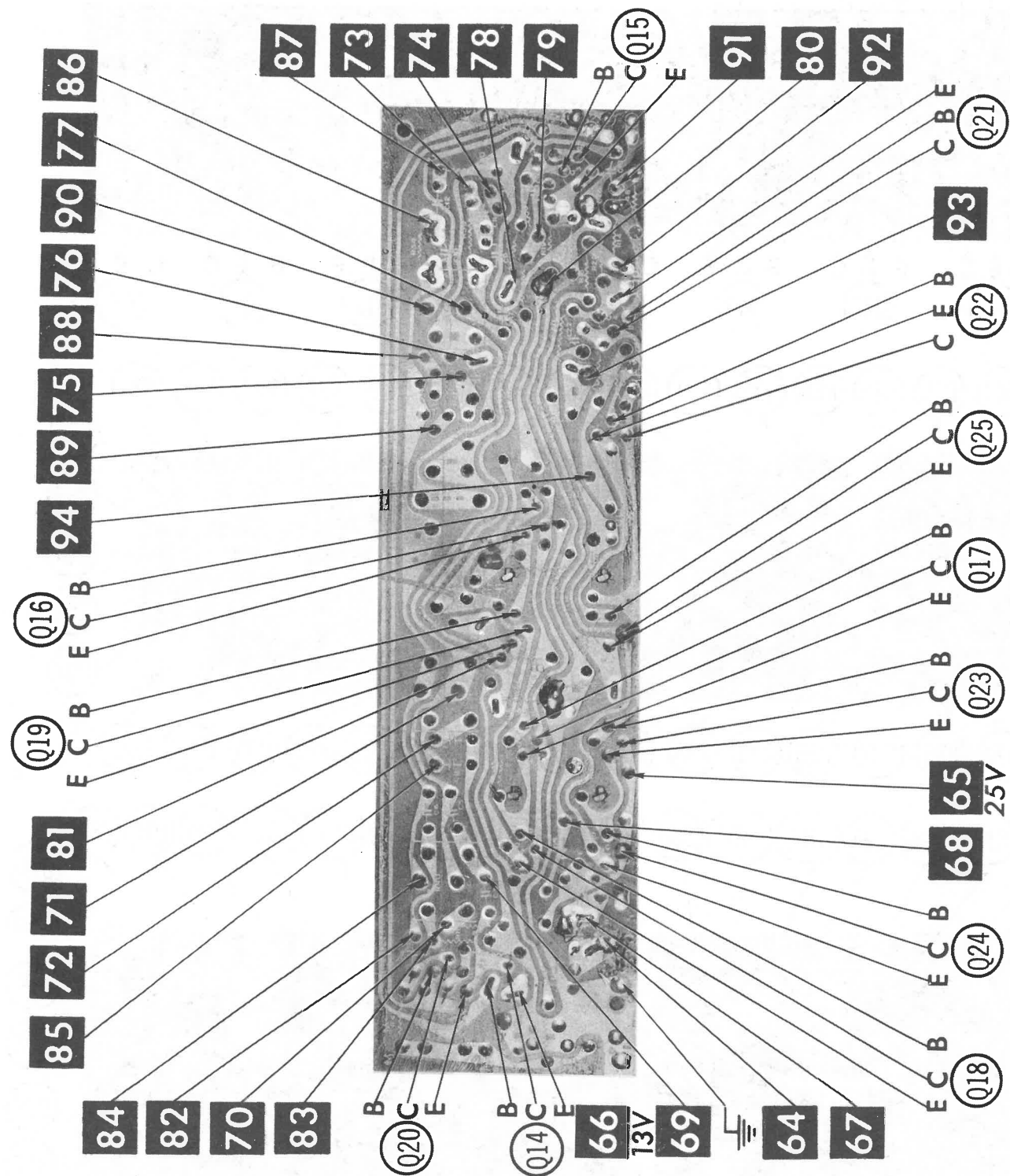
HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206



The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. SN111.

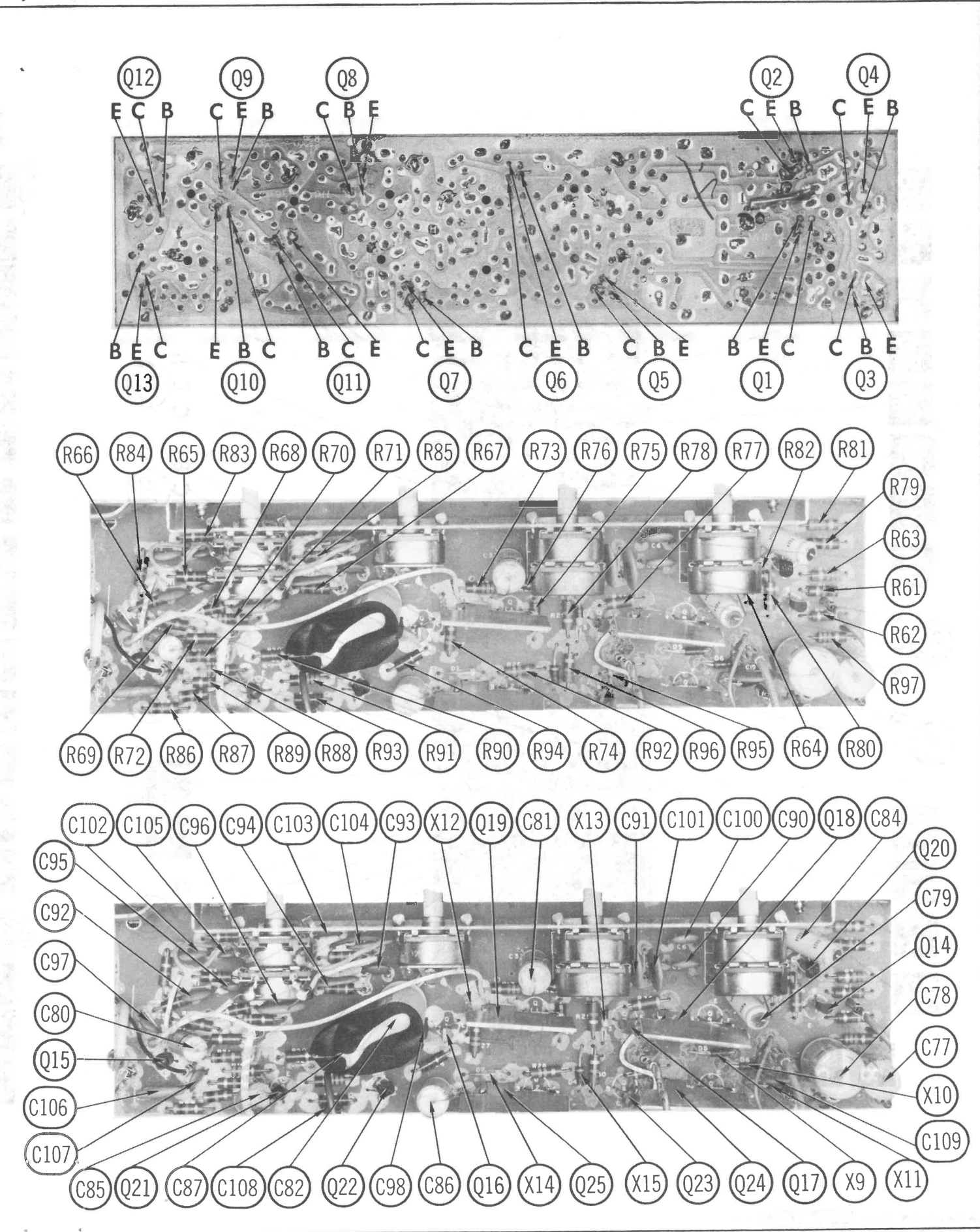
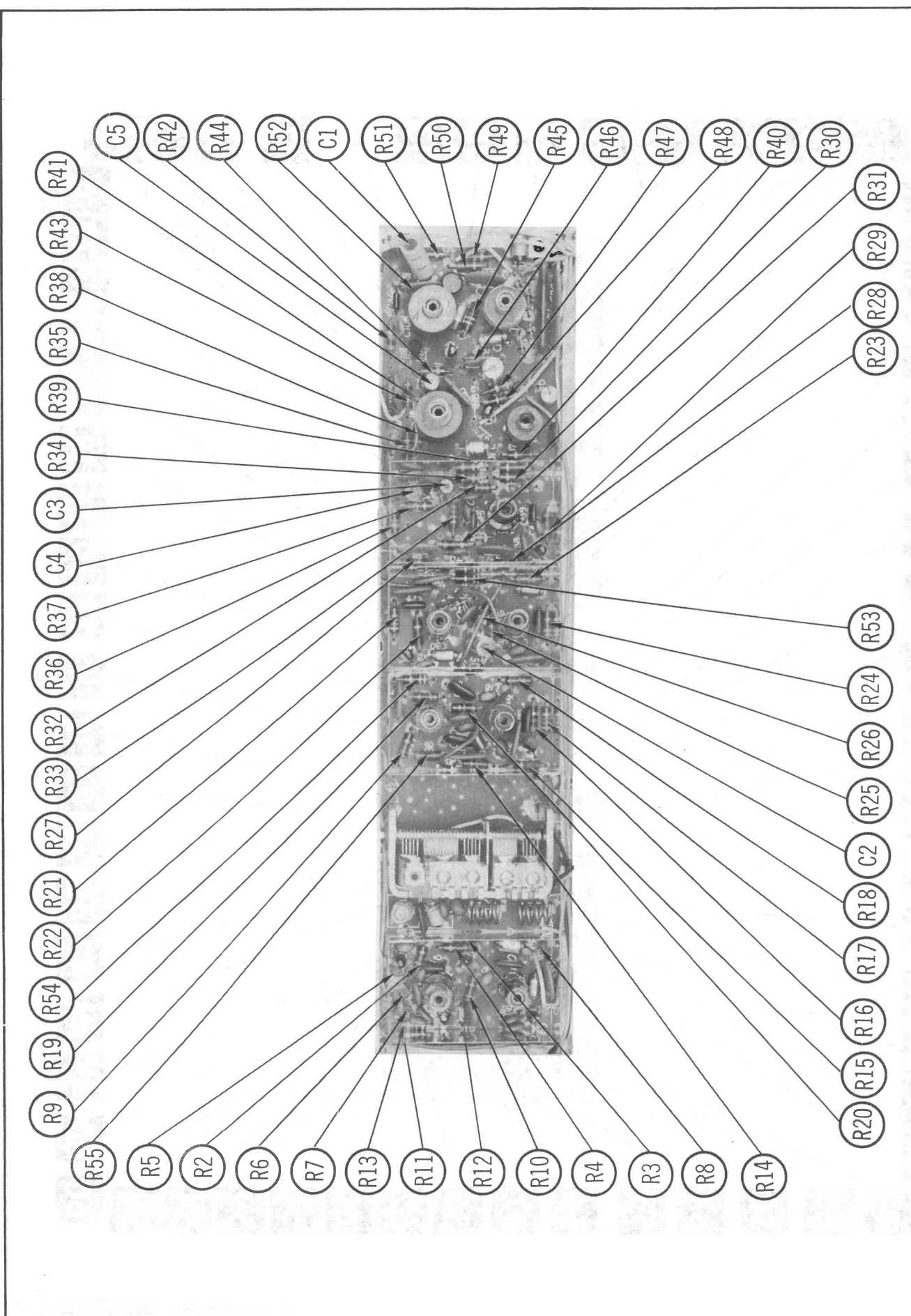
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GENERAL ELECTRIC CHASSIS
TU105-1, TU110-3, 17N-A/-B/-C/-G

FOLDER 4



ALIGNMENT INSTRUCTIONS

Maintain line voltage at 117 volts. Use only enough generator output to obtain a suitable indication. Allow a 15 minute warmup for receiver and equipment. CAUTION: Use isolation transformer, if available. If not, observe polarity when connecting test equipment. Suggested Alignment Tools:

A1 thru A4, A7 thru A15, A18 thru A22: GENERAL CEMENT: 8606, 8606L, 8869 WALSCO: 2543, 2544, 2588
A5 & A6, A16 & A17: GENERAL CEMENT: 8868, 8987, 9089 WALSCO: 2531-X, 2541, 2587

AM ALIGNMENT — SELECTOR IN AM POSITION

Fashion loop of several turns of wire and connect generator across loop. Set volume control at maximum.

GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
1. 455KC (400v Mod.)	Tuning gang fully open.	Output Meter across Voice coil.	A1, A2, A3, A4	Adjust for maximum. Repeat until no further improvement can be made.
2. 1630KC	"	"	A5	Adjust for maximum.
3. 1400KC	Tune to signal.	"	A6	"
4. 600KC	"	"	A7	Rock tuning gang and adjust for maximum. Repeat steps 2 thru 4 until no further improvement can be made.

FM ALIGNMENT USING AM SIGNAL GENERATOR — SELECTOR IN FM POSITION

Connect generator across antenna terminals with 120Ω carbon resistors in series with each lead.

GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
5. 10.7MC (Unmod.)	Point of non-interference.	DC probe of VTVM to point A; common to ground.	A8, A9, A10, A11, A12, A13, A14	Adjust for maximum.
6. "	"	DC probe to point B; common to ground.	A15	Adjust for zero reading. A positive or negative reading will be obtained on either side of the correct setting.

FM IF ALIGNMENT USING FM SIGNAL GENERATOR — SELECTOR IN FM POSITION

Connect generator across antenna terminals with 120Ω carbon resistors in series with each lead. Use only enough marker signal to obtain indication. Use 60% frequency modulated signal with 450KC sweep. Use 120v sawtooth voltage in scope for horizontal deflection.

GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
5. 10.7MC (450KC Swp.)	Point of non-interference	Vert. amp. of Scope to point A; low side to ground.	A8, A9, A10, A11, A12, A13, A14	Adjust for maximum gain and symmetry of response similar to Fig. 1 with marker as shown.
6. "	"	Vert. amp. to point B; low side to ground.	A15	Adjust A15 (Secondary) to place marker at center of crossover lines similar to Fig. 2. Adjust A8 (Primary) for maximum amplitude and straightness of crossover lines.

FM RF ALIGNMENT

Connect generator across antenna terminals with 120Ω carbon resistors in series with each lead.

GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
7. 108MC	Set at high end.	DC probe of VTVM to point A; common to ground.	A16, A17	Adjust for maximum.
8. 90MC	Tune to signal.	"	A18	Rock tuning and adjust for maximum. Repeat steps 7 and 8 until no further improvement can be made.

FM STEREO MULTIPLEX ALIGNMENT USING FM STEREO SIGNAL GENERATOR (± .0001%) ACCURACY)

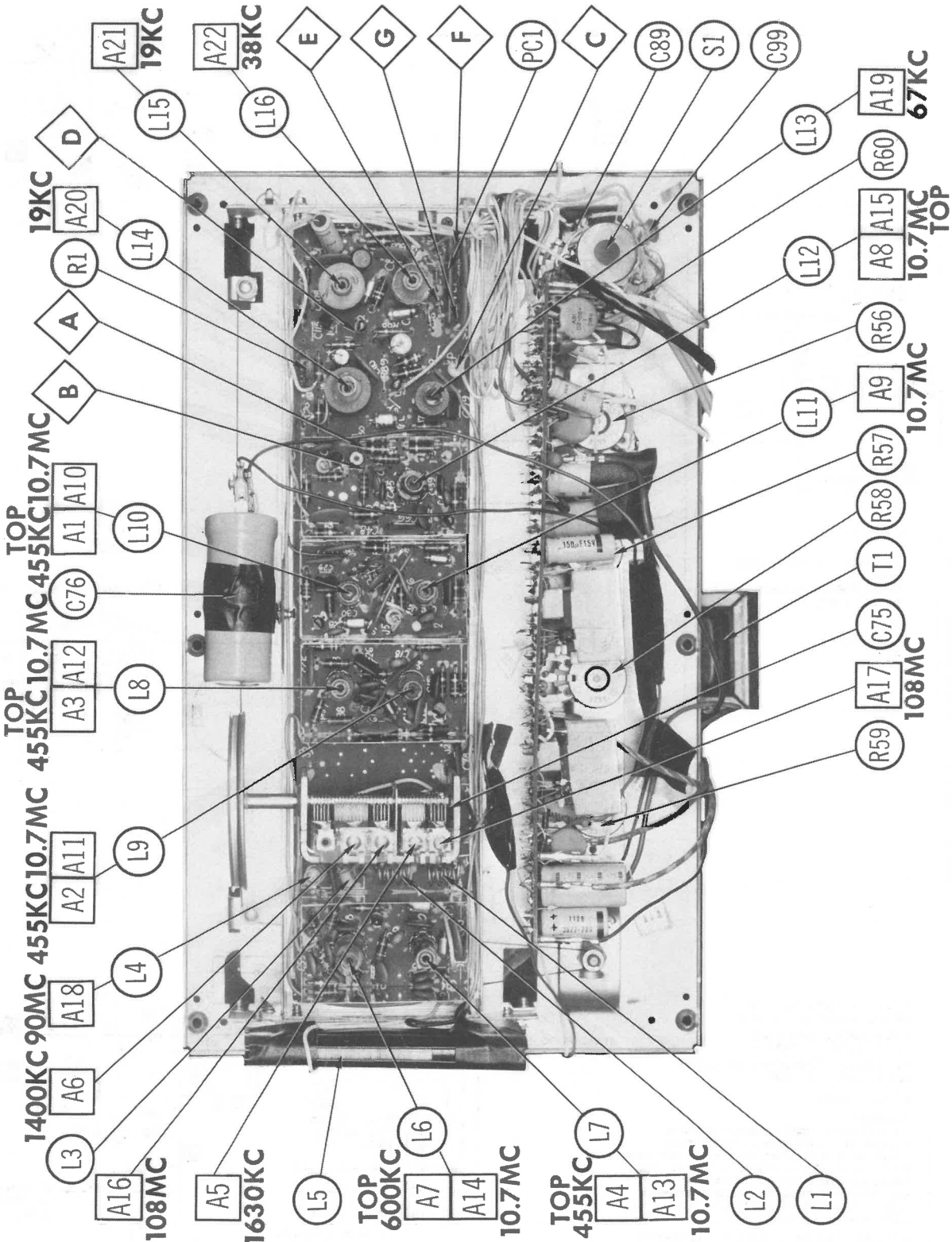
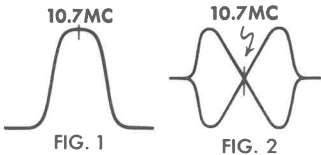
Connect high side of generator to point A, low side to ground.

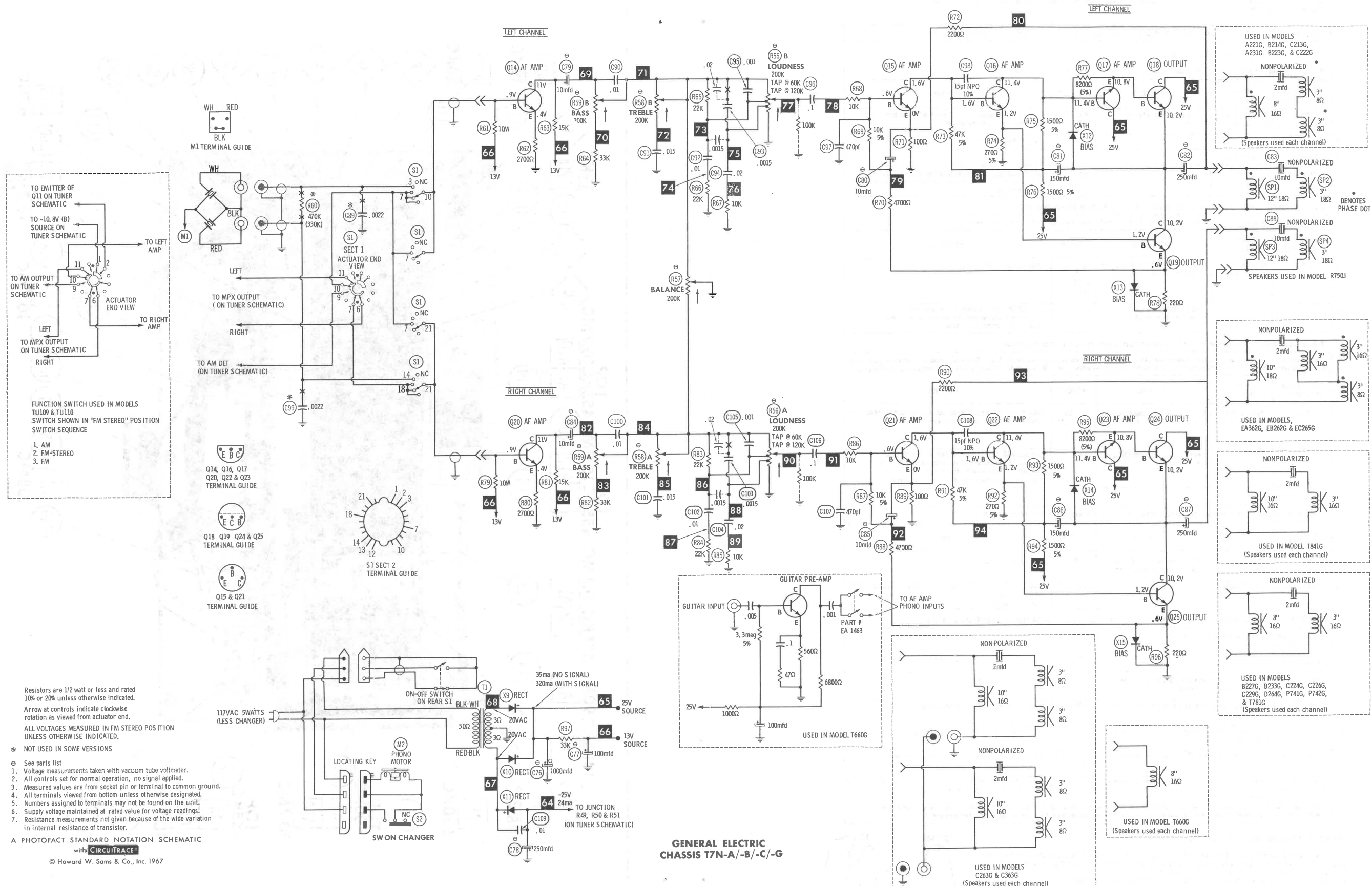
GENERATOR FREQUENCY	INDICATOR	ADJUST	REMARKS
9. 67KC	Vert. amp. of Scope thru a 1 meg to point C; low side to ground.	A19	Adjust for MINIMUM.
10. 19KC	Vert. amp. thru 47K to point D; low side to ground.	A20, A21	Adjust for maximum. 19KC Response
11. "	Vert. amp. thru 47K to point E; low side to ground.	A22	Adjust maximum for 38KC response.
12. Modulated Left Channel	Vert. amp. to point F; low side to ground.	A20, A21, A22	Adjust for MINIMUM. This step should require only slight adjustment.
13. Modulated Right Channel	Vert. amp. to point G; low side to ground.		Check for MINIMUM. Make compromise adjustment of A20, A21, and A22 if necessary.

To align multiplex section using an air signal, first make sure FM section is properly aligned. Tune in a strong FM stereo signal. Follow steps 9 thru 13 above except in step 9 adjust to eliminate whistle or interference.

STEREO STAR THRESHOLD ADJUSTMENT.

WITH SELECTOR SWITCH IN "FM STEREO" POSITION, TUNE IN A LOCAL STEREO STATION. TURN R1 TO MAXIMUM COUNTERCLOCKWISE. STEREO INDICATOR WILL NOW BE OUT. ROTATE R1 CLOCKWISE UNTIL STEREO INDICATOR LIGHTS. ROTATE AN ADDITIONAL 10%. RECHECK STEREO INDICATOR DOES NOT LIGHT ON SPURIOUS NOISE PULSES.





AMP PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

CONTROLS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	USE	RESIST-ANCE	REPLACEMENT DATA				
			G. E. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R56A	Loudness/Right	200K 60K Tap 120K Tap 200K	EA1583 ① (133B9562-11) EA49X123 ②			B18-130XX, B18-130XX, TM3 ④, QCM	
	B Loudness/Left	200K 60K Tap 120K Tap 200K	EA1453 ① EA49X128 ② ③				
R57	Loudness	200K	EA1584 ① (133B9562-12) EA49X124 ②	F1-200K, SNK014 ④	B47-200K-S ④ or (NP200K-S, NML-A-300 ④, TT-2)	B11-129, TM4 ④ or (BU11, CF14, SN875 ④ or SS6 ④) *	RU25L, SL37, SN875 ④ or (UA25L, SN875 ④)
	Balance	200K	EA1454 ① EA49X129 ② ③				
R58A	Treble/Right	200K	EA1585 ① (133B9562-14) EA49X125 ②	F2-250K, R2-250K, SRS014 ④, CPL-2	NP-250K-Z, NR-250K-Z, UP-A-400 ④, DC-2, TT-2	B13-130, B13-130, TM3 ④, QCM or (BU11, CF23, CR18, SS6 ④, SS7A, DC1) *	FA254A, RU254A, CS3500 ④
	B Treble/Left	200K					
R59	Treble	200K	EA1455 ① EA49X130 ② ③				
	Treble	200K	EA1586 ① (133B9562-13) EA49X126 ②	F1-200K, R1-200K, SRS014 ④, CPL-2	NP-200K-S, NR-200K-S, UP-A-400 ④, DC-2, TT-2	B11-129, B11-129, TM3 ④, QCM or (BU11, CF14, CR9, SS6 ④, SS7A, DC1) *	FA25L, RU25L, CS3500 ④
	Bass/Right	200K					
	Bass/Left	200K					
	Bass	200K	EA1456 ① EA49X131 ② ③				

* "SNAPTROL"

① Used in Portable Models.
② Used in Console Models.

③ Used in Chassis T7N-A and T7N-C.

④ File shaft to duplicate original.

TRANSFORMER (POWER)

ITEM No.	RATING			REPLACEMENT DATA					NOTES
	PRI.	SEC. 1	SEC. 2	G. E. PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	117VAC @ .065A AC	40VAC @ .035 DC, CT		EA1358 ① (194B1008-14) EA86X55 ① EA86X52 ②					① Used in Models R750g, D264g, C229g, B227g, B233g, C224g, C226g, C363g, ② Used in Models A23g, B223g, C222g, C263g, EB262g, EC265g, EA362g, A235g, B232g, C225g
	SEC. 3	SEC. 4	SEC. 5						

SPEAKER

ITEM No.	TYPE			REPLACEMENT DATA			NOTES
				G. E. PART No.	JENSEN PART No.	QUAM PART No.	
SP1	12"	PM	14-16Ω	EA8114 ①			① Used in Model R750j ② Used in Models C263g, C363g, EA362g, EB262g, EC265g ③ Used in Model T841g ④ Used in Models A231g, A235g, B214g, B223g, B227g, B232g, B233g, C213g, C224g, C225g, C226g, C229g ⑤ Used in Models P741g, P742g, T781g ⑥ Used in Model T660g ⑦ Used in Model D264g ⑧ Used in Models A221g, A231g, A235g, B214g, B232g, C213g, C222g, C225g, C363g, EA362g, EB262g, EC263g, C265g ⑨ B233g, C224g, C226g, C227g, C229g, D264g, EA362g, EB262g, EC265g
SP2	3"	PM	14-16Ω	RB1658 ①		30A05Z16	
SP3	12"	PM	14-16Ω	EA8114 ①			
SP4	3"	PM	14-16Ω	RB1658 ①		30A05Z16	
	10"	PM	14-16Ω	EA95X40 ②			
	10"	PM	14-16Ω	EA8039 ③			
	8"	PM	14-16Ω	EA95X38 ④			
	8"	PM	14-16Ω	RB1657 ⑤			
	8"	PM	14-16Ω	EA8122 ⑥			
	8"	PM	14-16Ω	EA95X37 ⑦			
	3"	PM	6-8Ω	EA95X31 ⑧			
	3"	PM	14-16Ω	EA95X33 ⑨			

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
M2 S1 S2	Motor Switch Printed Circuit Board (only)	EA93X79 ① EA8268 ②	Phono GI32015-01 Function off Phono AM-FM Stereo (Slide) Part of Changer ① Console Models ② Portable Models

PHONO CARTRIDGE & NEEDLES

*NEEDLE LISTINGS SHOWN ARE FOR RESPECTIVE REPLACEMENT CARTRIDGES ONLY.

ITEM No.	REPLACEMENT DATA								NOTES
	G. E. PART No.		ASTATIC PART No.		ELECTRO-VOICE PART No.		SONOTONE PART No.		
	CARTRIDGE	NEEDLE*	CARTRIDGE	NEEDLE*	CARTRIDGE	NEEDLE*	CARTRIDGE	NEEDLE*	
M1	EA1013 ①	EA1014① *	351D	N74SD *	239D	2744DS*			① Used in Portable Models
				N362SD †		2744DS †			
	EA80X234②	EA80X235 ②	351D	N74SD	239D	2744DS			② Used in Console Models
				N362SD Δ		2744DS Δ			

†Needle Replacement for Cartridge EA1013

‡Needle Replacement for Cartridge EA80X234

TUNER PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors 8524 (Stranded) Available in 12 Colors
Power Cord	Use BELDEN No. 17108 (Plastic) or 17126 (Rubber) - 6 Ft. 17109 (Plastic) or 17129 (Rubber) - 9 Ft.
Power Cord (Interlock Type)	Use BELDEN No. 8874 (Rubber) or 8895 (Plastic)
Low-Loss Shielded Lead (Interconnecting)	Use BELDEN No. 8401 or 8421
Phono Pick-up Arm Cable	Use BELDEN No. 8430 (Two Conductor-Unshielded) 8429 (Two Conductor-Shielded) 8419 (Three Conductor-Shielded)

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA				G. E. PART No.	NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.		
Q1		FM Mixer	DS-81	GE-11	TR-22	SK-3018	*EA1562	NPN
Q2		FM Oscillator	DS-74	GE-11	TR-22	SK-3018	*EA15X54	NPN
Q3		AM RF	DS-71	GE-10	TR-21	SK-3018	*EA15X55	NPN
Q4		AM Converter	DS-72	GE-10	TR-21	SK-3018	*EA1344	NPN
Q5		1st AM-FM IF	DS-74	GE-11	TR-21	SK-3018	*EA15X45	NPN
Q6		2nd AM-FM IF	DS-74	GE-11	TR-21	SK-3018	*EA1343	NPN
Q7		3rd FM IF	DS-74	GE-11	TR-21	SK-3018	*EA15X44	NPN
Q8		MPX Input	DS-66	GE-10	TR-21	SK-3018	*EA1563	NPN
Q9		19KC Amp	DS-66	GE-10	TR-21	SK-3020	*EA15X55	NPN
Q10		19KC Doubler	DS-66	GE-10	TR-21	SK-3020	*EA1408	NPN
Q11		Stereo Switch	DS-66	GE-10	TR-21	SK-3020	*EA15X51	NPN
Q12		Regulator	DS-26	GE-2	TR-05	SK-3004	*EA1345	NPN
Q13	2N3402	Regulator	DS-66	GE-10	TR-21	SK-3020	*EA15X18 *RS5856 *EA15X63 *EA1563 *EA15X56	PNP

* Portable Models ▲ Console Models

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS & DIODES		RECTIFIERS		
			GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	RCA PART No.	SARKES TARZIAN PART No.
X1		*RS2801 ▲EA16X5	1N60	1N60			
X2		*RS2801 ▲EA16X5	1N60	1N60			
X3		*RS2801 ▲EA16X5	1N60	1N60			
X4		*RS2801 ▲EA16X5	1N60	1N60			
X5		*RS2801 ▲EA16X5	1N60	1N60			
X6		*RS2801 ▲EA16X5	1N60	1N60			
X7		*RS2801 ▲EA16X5	1N60	1N60			
X8	.007A	*EA1318 ▲EA16X6		1ZM11T10 or Z-1012	ZA11A or 1N3021A		.25T11 or .4T11A

* Portable Models ▲ Console Models

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA					
	CAP.	VOLT.	G. E. PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	10	50	EA1076 ① EA31X50 ② (112B3877-808)	CRE757A	NLW10-50	MT1-6	TT50X10	TE-1304
C2	10	20	(112B3877-608)	CRE607A	NLW10-25	MT1-5	TT25X10	TE-1204
C3	2	50	EA1114 ① EA31X80 ② (112B3877-802)	CRE751A	NLW2-50	MT1-1	TT50X2	TE-1301
C4	10	20	(112B3877-608)	CRE607A	NLW10-25	MT1-5	TT25X10	TE-1204
C5	10	20	(112B3877-608)	CRE607A	NLW10-25	MT1-5	TT25X10	TE-1204
C6	2	50	EA1114 ① EA31X80 ② (112B3877-802)	CRE751A	NLW2-50	MT1-1	TT50X2	TE-1301
C7	50	15	EA1053 ① EA31X52 ② (112B3877-516)	CRE467A	NLW50-15	MT1-16	TT15X50	TE-1160

① Portable Models ② Console Models

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

TUNER

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCOPART No.	MALLORY PART No.	SPRAGUE PART No.
C8	470		DI-470	DD-471	JBZ601YP471K	CCD-471	GP347	10TS-T47
C9	10	NPO 5%	NPO-DI 10	DTZ-10	CZ601CG100J	CCTO-100	CNO410	10TCC-Q10
C10	10	NPO 5%	NPO-DI 10	DTZ-10	CZ601CG100J	CCTO-100	CNO410	10TCC-Q10
C11	5	N750 5%		DTN-5	CZ601UJ5R0D	CCTN-050	CN7550	10TCU-U50
C12	220		ADM-15-221	CPR-220J	CD15F221J500	DM-15-221J	SX322	MS-322
C13	100		DI-100	DD-101	JBZ601YP101K	CCD-101	GP310	10TS-T10
C14	20	N220 5%				*	*	
C15	3.3	N750 ±.25	TTD-01	TCN-3R3	HOY101ZV103P	CCD-103	CN7533	10TCU-U33
C16	.01	50V		CK-103			TA110	TG-S10
C17	1.2pf	NPO ±.25	#EA18X43① EA1311 ④					10TCC-V12
C18	3.3	N750 ±.25		TCN-3R3	CD15F680J500	DM-15-680J	CN7533	10TCU-U33
C19	68		ADM-15-680	CPR-68J	HOY101ZV503Z	TA150	SX468	MS-468
C20	.05	50V	TTD-05	CK-503	HOY101ZV502P	CCD-502	TA250	TG-D50
C21	.005	50V	TTD-005	CK-502	HOY101ZV502P	DM-19-202J	SX220	MS-22
C22	.002	125V 5%		CPR-2000J	CD19F202J500	CCD-471	GP347	10TS-T47
C23	470		DI-470	DD-471	JBZ601YP471K	CCD-471	GP347	10TS-T47
C24	.01	50V	TTD-01	CK-103	HOY101ZV103P	CCD-103	TA110	TG-S10
C25	.001		DI-1000	DD-102	JBZ601YP102K	CCD-102	GP210	10TS-D10
C26	.005	50V	TTD-005	CK-502	HOY101ZV502P	CCD-502	TA250	TG-D50
C27	.02		TTD-02	CK-203	HOR101ZV203P	CCD-203	TA120	TG-S20
C28	220	5%	ADM-15-221	CPR-220J	CD15F221J500	DM-15-221J	SX322	MS-322
C29	.001	5%		CPR-1000J	CD19F102J500	DM-19-102J	SX210	MS-210
C30	.05	50V	TTD-05	CK-503	HOY101ZV503Z	TA150	TA150	TG-S50
C31	.05	50V	TTD-05	CK-503	HOY101ZV503Z	CN7533	10TCU-U33	
C32	3.3	N750 ±.25		TCN-3R3	CD19F681J500	DM-16-681J	SX368	MS-368
C33	680	5%		CPR-680J	CZ601UJ100J	CCTN-100	CN7410	10TCU-Q10
C34	10	N750 5%	N750-DI 10	DTN-10				
C35	140	5%		TCN-3R3	CD15F221J500	DM-15-221J	CN7533	10TCU-U33
C36	3.3	N750 ±.25	ADM-15-221	CPR-220J	CD15F221J500	DM-15-221J	SX322	MS-322
C37	220	5%	ADM-15-221	CPR-220J	CD15F221J500	DM-15-221J	SX322	MS-322
C38	220	5%	TTD-01	CK-103	HOY101ZV103P	CCD-103	TA150	TG-S50
C39	.01	50V	TTD-05	CK-503	HOY101ZV503Z	CCD-103	TA150	TG-S50
C40	.05	50V	TTD-05	CK-503	HOY101ZV503Z	CCD-103	TA150	TG-S50
C41	.05	50V	TTD-05	CK-503	HOY101ZV503Z	CCD-103	TA150	TG-S50
C42	140	5%						
C43	4.7	N750 10%						
C44	820	5%	TTD-05	CK-503	CD19F821J500	DM-19-821J	CN7547	10TCU-U47
C45	.05	50V	DI-220	DD-221	JBZ601YP221K	CCD-221	TA150	TG-S50
C46	220			TCN-3R3	CD15F221J500	DM-15-221J	GP322	10TS-T22
C47	3.3	N750 ±.25	ADM-15-221J	CPR-221J	CD19F681J500	DM-16-681J	CN7533	10TCU-U33
C48	220	5%		CPR-680J	CD19F681J500	DM-16-681J	SX368	MS-368
C49	680	5%		CK-103	HOY101ZV103P	CCD-103	TA110	TG-S10
C50	.01	50V	TTD-01	CK-503	HOY101ZV503Z	CCD-102	SM210	5GAB-D10
C51	.05	50V	TTD-01	CK-103	HOY101ZV103P	CCD-103	TA110	TG-S10
C52	.001		TTD-05	CK-503	HOY101ZV503Z	CCD-103	TA150	TG-S50
C53	.01	50V	ADM-15-470	CPR-47J	CD15E470J500	DM-15-470J	SX447	MS-447
C54	.05	50V	ADM-15-270	CPR-27J	CD15E270J500	DM-15-270J	SX427	MS-427
C55	47	5%		DD-221	JBZ601YP221K	CCD-221	GP322	10TS-T22
C56	27	5%	DI-220	DD-221	JBZ601YP221K	CCD-221	GP322	10TS-T22
C57	220		DI-220	DD-221	JBZ601YP221K	CCD-221	GP322	10TS-T22
C58	220		TTD-01	CK-103	HOY101ZV103P	CCD-103	TA110	TG-S10
C59	.01	50V		CPR-1000J	CD19F102J500	DM-19-102J	SX210	MS-210
C60	.001	25V 5%	DI-820	DD-821	JBZ601YP821K	CCD-821	GP382	10TS-T82
C61	820	5%						
C62	140	5%	TTD-05	CK-503	HOY101ZV503Z	CCD-102	SM210	5GAB-D10
C63	.05	50V	DI-1000	DM-102	JBZ601YP102K	CCD-102	SM210	5GAB-D10
C64	.001			CPR-1200J	CD19F122J500	DM-19-122J	SX212	MS-212
C65	.0012	5%		DM-102	JBZ601YP102K	CCD-102	SM210	5GAB-D10
C66	.001	5%	DI-1000	CPR-1200J	CD19F122J500	DM-19-122J	SX212	MS-212
C67	.0012	5%		CK-503	HOY101ZV503Z	CCD-103	TA150	TG-S50
C68	.05	50V	TTD-05	CK-503	HOY101ZV503Z	CCD-103	TA150	TG-S50
C69	.05	50V	TTD-05	CK-503	HOY101ZV503Z	CCD-103	TA150	TG-S50
C70	.05	50V	TTD-05	CK-503	HOY101ZV503Z	CCD-103	TA150	TG-S50
C71	.05	50V	TTD-05	CK-503	HOY101ZV503Z	CCD-103	TA150	TG-S50
C72	.05	50V	TTD-05	CK-503	HOY101ZV503Z	CCD-103	TA150	TG-S50
C73	2.2	NPO ±.25	NPO-DI 2.2	DTZ-2R2	CZ601CJ2R2D	CCTO-2R2	CNO522	10TCC-V22
C74	.01	50V	TTD-01	CK-103	HOY101ZV103P	CCD-103	TA110	TG-S10
C75			#EA30X17① #EA30X18② #EA1558 ③					

- ① Chassis TU105-1 (Console Models)
② Chassis TU110-3 (Console Models)
③ Chassis TU110-3 (Portable Models)
④ Chassis TU105-1 (Portable Models)

CONTROLS

All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	USE	RESIST-ANCE	REPLACEMENT DATA				
			G. E. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1	Stereo Indicator	10K	EA1139① (173A4409-4) EA49X95②	T-10K		X201R103B	MTC14L1

- ① Used in Portable Models.
② Used in Console Models.

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				
		G. E. PART No.	Part No.	MERIT PART No.	MILLER PART No.	WORKMAN PART No.
L1	FM Antenna (Pri.)	EA36X45	EA1559			
L2	FM Antenna (Sec.)	EA36X46	EA1560			
L3	10.7MC Trap	EA36X30	EA1321			
L4	FM Oscillator	EA35X15	EA1322			
L5	Loopstick	EA83X12	EA1576			
L6A	AM Oscillator	EA61X33	EA1566			
B	1st FM IF (Pri.)				7781	
L7A	1st FM IF (Sec.)	EA61X34	EA1567			
B	1st AM IF					
L8A	2nd FM IF (Pri.)	EA61X35	EA1568			
B	2nd AM IF (Pri.)					
L9A	2nd FM IF (Sec.)	EA61X36	EA1569			
B	2nd AM IF (Sec.)					
L10A	3rd FM IF (Pri.)	EA61X37	EA1570			
B	3rd AM IF					
L11	3rd FM IF (Sec.)	EA61X38	EA1571			
L12	Discriminator	EA56X6	EA1572			
L13	67KC Trap	EA36X47	EA1561			
L14	19KC	EA61X39	EA1573			
L15	19KC	EA61X40	EA1574			
L16	38KC	EA61X41	EA1575			

COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	G. E. PART NO.	REPLACEMENT DATA
PC1	MPX Detector Network	2200Ω, 2200Ω, 2200Ω, 2200Ω, 22K, 22K, 22K, .0039, .0039	RS6320 ① EA33X30 ② (173A3967-1)	

- ① Portable Models
② Console Models

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
	Printed Circuit Board (Only)	EA93X75 ① EA8267 ②	① Console Models ② Portable Models

AMP PARTS LIST

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA				G. E. PART No.	NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.		
Q14		AF Amp	DS-66	GE-10	TR-21	SK-3020	*EA1499 ▲EA15X57 *EA1578	NPN
Q15		AF Amp	DS-66	GE-10	TR-21	SK-3020	*EA1578 ▲EA15X68 *EA1451	NPN
Q16		AF Amp	DS-66	GE-10	TR-21	SK-3020	*EA1451 ▲EA15X59 *EA1451	NPN
Q17		AF Amp	DS-66	GE-10	TR-21	SK-3020	*EA1451 ▲EA15X59 *EA1451	NPN
Q18		Output			TR-21	SK-3020	*EA1452 ▲EA15X60 *EA1499	NPN
Q19		Output			TR-21	SK-3020	*EA1452 ▲EA15X60 *EA1499	NPN
Q20		AF Amp	DS-66	GE-10	TR-21	SK-3020	*EA1452 ▲EA15X60 *EA1499	NPN
Q21		AF Amp	DS-66	GE-10	TR-21	SK-3020	*EA1452 ▲EA15X60 *EA1499	NPN
Q22		AF Amp	DS-66	GE-10	TR-21	SK-3020	*EA1452 ▲EA15X60 *EA1499	NPN
Q23		AF Amp	DS-66	GE-10	TR-21	SK-3020	*EA1452 ▲EA15X60 *EA1499	NPN
Q24		Output			TR-21	SK-3020	*EA1452 ▲EA15X60 *EA1499	NPN
Q25		Output			TR-21	SK-3020	*EA1452 ▲EA15X60 *EA1499	NPN

* Portable Model ▲ Console Model

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS & DIODES		RECTIFIERS		
			GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	RCA PART No.	SARKES TARZIAN PART No.
X9	160A Max	*EA1448 ▲(EA16X21)	GE-504A or GE-505	8D4 or 5A4-D	A50 or CTP50 ①	SK-3016 or SK-3017A	40C or S-5981 ①
X10	160A Max	*EA1448 ▲(EA16X21)	GE-504A or GE-505	8D4 or 5A4-D	A50 or CTP50 ①	SK-3016 or SK-3017A	40C or S-5981 ①
X11	.024A	*EA1448 ▲(EA16X21)	GE-504A or GE-505	8D4 or 5A4-D	A50 or 1N536	SK-3016 or SK-3017A	40C or F-4
X12		*EA1405 ▲(EA16X20)					
X13		*EA1448 ▲(EA16X21)					
X14		*EA1405 ▲(EA16X20)					
X15		*EA1448 ▲(EA16X21)					

- * Portable Models ▲ Console Models
① A single unit replacement for X9 and X10

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA					
	CAP.	VOLT.	G. E. PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C76	1000	35	(134B1011-3) ⑤	PRS1395	BR1000-50		TC50100	TL-1317
C77	100	25	RS6798 ① EA31X76 ② (122B3877-723)	CRE623A	NLW100-25	MT1-20	TT25X100	TE-1211
C78	250	25	RS6340 ① EA31X64 ② (122B3877-731)	PRS1280	BR250-25	QT1-31	TC50025	TL-1214
C79	10	50	EA1076 ① ③ EA31X50 ② (122B3877-808)	CRE757A	NLW10-50	MT1-6	TT50X10	TE-1304
C80	10	50	EA1076 ① ④ EA31X50 ② (112B3877-808)	CRE757A	NLW10-50	MT1-6	TT50X10	TE-1304
C81	150	15	RS6339 ① EA31X63 ② (122B3877-526)	CRE478A	NLW150-15	MT1-23	TT15X150	TE-1163
C82	250	25	RS6340 ① EA31X64 ② (122B3877-731)	PRS1280	BR250-25	QT1-31	TC50025	TL-1214
C83	10	15NP	(45A9065-22)	PRS7315	BRNP10-400	NPQT-3	TCN5010	TVAN-1204.1
C84	10	50	EA1076 ① ③ EA31X50 ② (112B3877-808)	CRE757A	NLW10-50	MT1-6	TT50X10	TE-1304
C85	10	50	EA1076 ① ④ EA31X50 ② (112B3877-808)	CRE757A	NLW10-50	MT1-6	TT50X10	TE-1304
C86	150	15	RS6339 ① EA31X63 ② (112B3877-526)	CRE478A	NLW150-15	MT1-23	TT15X150	TE-1163
C87	250	25	RS6340 ① EA31X64 ② (112B3877-731)	PRS1280	BR250-25	QT1-31	TC50025	TL-1214
C88	10	15NP	(45A9065-22)	PRS7315	BRNP10-400	NPQT-3	TCN5010	TVAN-1204.1

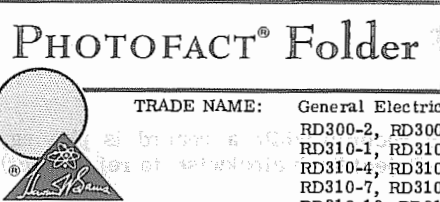
MECHANICAL PARTS LIST (Continued)

Ref. No.	DESCRIPTION	MODELS														26	26	26
		RD300-2	RD300-3	RD300-4	RD310-1	RD310-2	RD310-3	RD310-4	RD310-5	RD310-6	RD310-7	RD310-8	RD310-9	RD310-10	RD310-11			
5	Chrome Speed Control Knob																	
59	Tone Arm	6	6	6	7	7	7	7	7	7	7	7	7	7	7	9	9	9
60	Height Adjust Screw	10	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11	11
61	Counterweight															12	12	12
62	Tone Arm Mounting Ass'y	13	13	13	14	14	14	14	14	14	14	14	14	14	14			
63	Pivot Screw															16	16	16
64	Pivot Pin	38	38	38	38	38	38	38	38	38	38	38	38	38	38	17	17	17
65	Index Cover	18	18	18	19	19	19	19	19	19	19	19	19	19	19	19	19	19
66	Turntable	20	20	20	20	20	20	21	21	20	20	20	20	20	20	20	21	21
67	On-Off-Reject Knob	23	23	23	24	24	24	24	24	24	24	24	24	24	24	24	25	25
68	Rest Post	27	27	27	28	28	28	28	28	28	28	28	28	28	28	29	29	29
69	Turntable Mat	30	30	30	31	31	31	30	30	30	30	31	31	30	31	31	31	31
70	Motor	32	32	33	33	33	33	35	34	35	36	33	33	35	33	35	34	34
71	Automatic Spindle	40	40	40	40	40	40	40	40	40	40	40	40	40	41	41	41	41
72	Tone Arm Bracket Ass'y	42	42	42	43	43	43	43	43	43	43	43	43	43	44	44	44	44
73	Anti-Skate Spring	45	45	45	46	46	46	46	46	46	46	46	46	46	47	47	47	47
74	Record Support Arm Bumper	48	48	48	49	49	49	49	49	49	49	49	49	49	50	50	50	50
75	Tone Arm Box Spring															39	39	39
76	Tone Arm Spring Clip															15	15	15
77	Record Support Arm	2	1	1	3	3	3	3	3	3	3	3	3	3	3	4	4	4
	Stylus Pressure Spring	51	51	51	52	52	52	52	52	52	52	52	52	52	52			
	Stylus Pressure Adjust Clip	53	53	53														

PART NUMBER CHART											
KEY	CONSOLE	PORTABLE	KEY	CONSOLE	PORTABLE	KEY	CONSOLE	PORTABLE	KEY	CONSOLE	PORTABLE
(1)		EA1061	(15)	EA80X180	RS6542	(28)	EA80X201	RS6602	(41)	EA80X243	EA1058
(2)	EA80X222	EA1031	(16)	EA80X173	RS6535	(29)	EA80X248	EA1062	(42)		EA1256
(3)	EA80X46	EA1061	(17)	EA80X178	RS6540	(30)	EA80X228	EA1038	(43)	EA80X184	EA1256
(4)	EA80X246	EA1061	(18)		EA1364	(31)	EA80X257	EA1084	(44)	EA80X159	RS6520
(5)	EA80X247	EA1368	(19)	EA80X265	EA1365	(32)		EA1363	(45)		RS6522
(6)	EA80X237	EA1067	(20)	EA80X220	EA1029	(33)	EA80X153	RS6297	(46)	EA80X161	RS6522
(7)	EA80X237	EA1048	(21)	EA80X233	EA1045	(34)	EA80X60	RS6063	(47)	EA80X43	RS6048
(8)	EA80X266	EA1366	(22)	EA80X258	EA1369	(35)	EA80X264	EA1042	(48)	EA80X160	RS6521
(9)	EA80X254	EA1367	(23)	EA80X223	EA1032	(36)		EA1363	(49)	EA80X35	RS6040
(10)	EA80X146	RS6166	(24)	EA80X239	EA1049	(37)	EA80X207		(50)	EA80X160	RS6521
(11)	EA80X172	RS6534	(25)	EA80X249	EA1370	(38)	EA80X101	RS6105	(51)	EA80X104	RS6108
(12)	EA80X245	EA1060	(26)	EA80X250	EA1371	(39)	EA80X179	RS6541	(52)	EA80X147	RS6167
(13)	EA80X140	RS6161	(27)		EA1068	(40)	EA80X22	RS6027	(53)	EA80X112	RS6116
(14)	EA80X255	EA1065									

SET 926 FOLDER 7

GENERAL ELECTRIC
MODELS RD300/310/325 Series



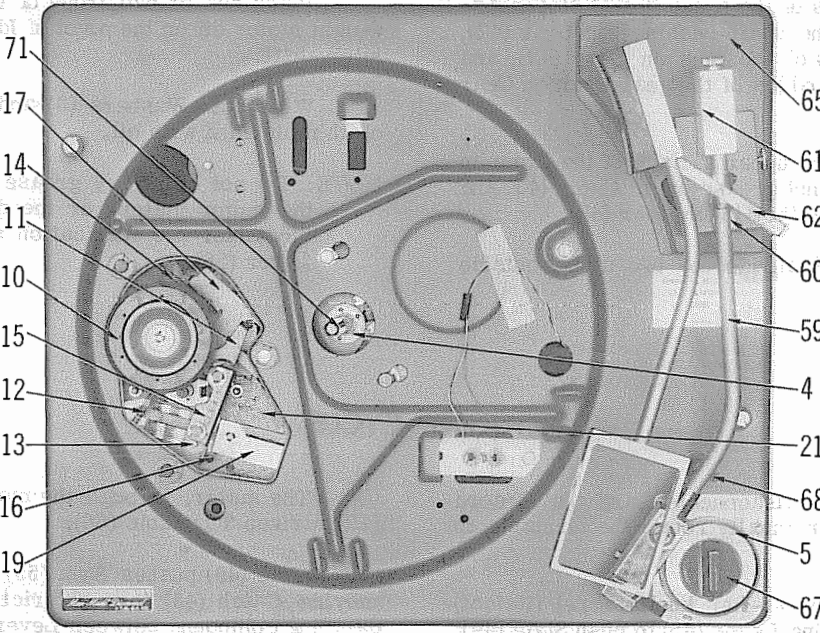
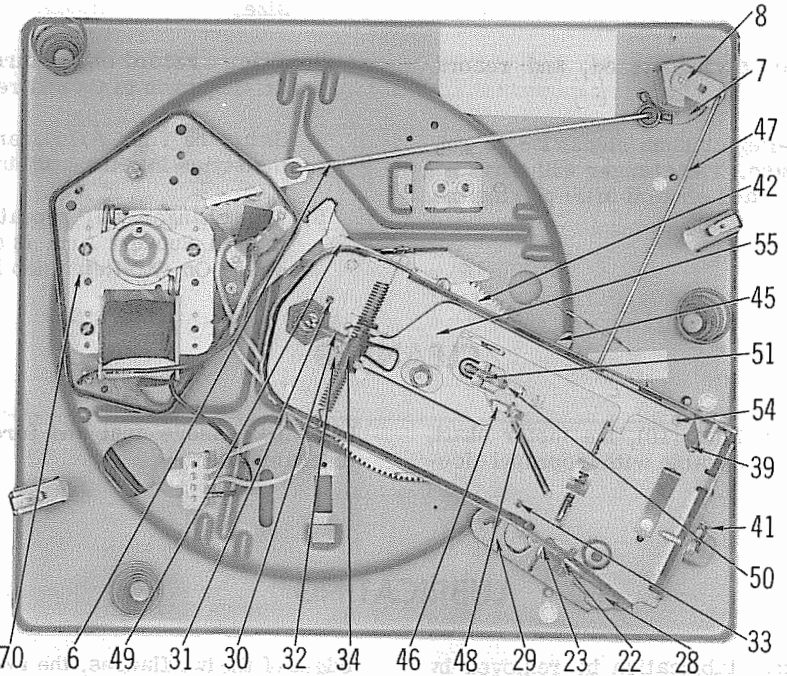
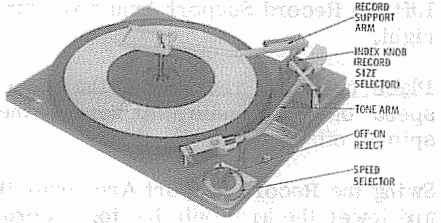
TRADE NAME: General Electric MODELS
RD300-2, RD300-3, RD300-4,
RD310-1, RD310-2, RD310-3,
RD310-4, RD310-5, RD310-6,
RD310-7, RD310-8, RD310-9,
RD310-10, RD310-11, RD325-1,
RD325-2, RD325-3, RD325-4,
RD325-5, RD325-6, RD325-7

SUPPLIER: For Current Address, See Annual Index

TYPE SET: 4-Speed, Automatic Record Changer

POWER SUPPLY: 110 — 120 Volts AC, 60 Cycles

GENERAL ELECTRIC
MODELS RD300/310/325 Series



GENERAL ELECTRIC
MODELS RD300/310/325 Series

SET 926 FOLDER 7



HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. C911

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DATE 12 -67 SET 926 FOLDER 7

OPERATING INSTRUCTIONS

Loading

1. Lift the Record Support Arm and swing it to the right.
2. Place up to six records of the same size and speed on the spindle, supporting them on the spindle offset shelf.
3. Swing the Record Support Arm over the spindle and lower the arm onto the top record.

Starting

1. Select the desired stylus, speed, and record size.
2. Turn the Off-On-Reject knob clockwise to rej. (Reject) and release. The changer will play and change each record and shut off after playing the last record.

Rejecting

To change records while a record is playing, turn the On-Off-Reject knob clockwise to rej (Reject) and release.

Manual Operation

1. Lift the Record Support Arm and swing it to the right.
2. Select the desired stylus, speed, and record size.
3. Place a record on the turntable and turn the On-Off-Rej knob to On and release.
4. Swing the Tone Arm over the record and lower the stylus into the lead-in groove.
5. The changer will repeat the record until the Record Support Arm is centered and lowered, or the On-Off-Rej. knob is turned to Off.

CLEANING

Periodically clean Idler (10), the motor shaft, and the inner rim of the turntable with isopropyl alcohol, and remove dust and foreign matter from the mechanism.

LUBRICATING

Should the original lubrication be removed by disassembly of the unit or wear become apparent, sparingly apply a light grease to the sliding surfaces of Cam (19), the edges of the speed detent slot in Assembly (21), inside the shaft bushing for Gear (42), the camming surfaces of the pins on Gear (42), and the ramps and bottom edges of the gear teeth on Gear (42).

NOTE: Grease only the upper surface of the ramp in Catch (43). Do not grease or oil Catch (43) and Lever (44) where they touch Gear (42).

Grease Slide (41) inside the two slots, outside

edges of the two flanges, the two supporting edges, and the top of the ramp.

Place one or two drops of household oil or #10 weight motor oil on the pivot of Idler Arm (11) and the idler shaft.

Wipe both Washers (3) and Bearing (4) with a cloth moistened with oil.

NOTE: Do not allow any grease or oil on Idler (10), the motor pulley, or the drive surface of the turntable. No lubrication should be applied to Lever (56).

CHANGE CYCLE

With the power disconnected and the Record Support Arm raised, manually rotate the turntable to observe the cycle.

Turning the On-Off-Rej knob to rej (Reject) pushes Rod (47), moving Lever (45) to push Slide (49), pulled by Spring (31), sliding Bar (17), pulled by Spring (14), clear of Lever (24), pulled by Spring (34).

Bar (17) closes the motor switch and releases Arm (11), pulled by Spring (12), to move Idler (10).

The motor, through the motor pulley and Idler (10), drives Turntable (66).

Slide (49) pushes Arm (55) to pivot Lever (44), moving Catch (43) through friction supplied by the damping compound between Lever (44) and Catch (43).

The raised section of the rotating turntable hub strikes Catch (43), rotating Gear (42) enough to engage Turntable (66).

MECHANICAL PARTS LIST

NOTE: Replacement Parts used in all Models.

Replacements given for Console Models with Replacements for Portables in Parenthesis.

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	EA80X227 (EA1037)	Record Support Arm Screw	30	EA80X51 (RS6056)	Spindle Spring
2	EA80X225 (EA1034)	Index Knob	31	EA80X52 (RS6057)	Switch Release Slide Spring
3	EA80X108 (RS6112)	Thrust Washer	32	EA80X24 (RS6029)	Spindle Actuator
4	EA80X110 (RS6114)	Thrust Bearing	33	EA80X50 (RS6055)	Index Finger Spring
5	EA80X224 (EA1033)	Speed Control Knob	34	EA80X219 (EA1028)	Shut-Off Lever Spring
6	EA80X114 (RS6118)	Speed Control Rod	35	EA80X54 (RS6059)	Index Ratchet Spring
7	EA80X89 (RS6094)	Speed Control Crank	36	EA80X45 (RS6050)	Tone Arm Bracket Spring
8	EA80X221 (EA1030)	Crank Assembly	37	EA80X198 (RS6587)	Pivot Pin
9	EA80X115 (RS6119)	Motor Grommet	38	EA80X32 (RS6037)	Anti Skate Bushing
10*	EA80X61 (RS6065)	* Idler Wheel	39	EA80X25 (RS6030)	Velocity Trip Actuator
11	EA80X59 (RS6062)	Idler Arm	40	EA80X47 (RS6052)	Safety Spring
12	EA80X53 (RS6058)	Idler Arm Spring	41	EA80X217 (RS6729)	Main Slide
13	EA80X73 (RS6077)	Adjusting Screw (Idler Height)	42	EA80X9 (RS6014)	Gear Assembly
14	EA80X69 (RS6073)	Shut-Off Spring	43	EA80X21 (RS6026)	Velocity Trip Catch
15	EA80X62 (RS6066)	Intermediate Link	44	EA80X20 (RS6025)	Velocity Trip Lever
16	EA80X70 (RS6074)	Idler Link Spring	45	EA80X23 (RS6028)	Control Lever
17	EA80X64 (RS6068)	Shut-Off Bar	46	EA80X5 (RS6010)	Control Slide Assembly
18	EA80X66 (RS6070)	Switch Overtravel Spring	47	EA80X30 (RS6035)	On-Off-Reject Rod
19	EA80X65 (RS6069)	Speed Control Cam	48	EA80X53 (RS6058)	Control Slide Spring
20	EA80X67 (RS6071)	Detent Spring	49	EA80X134 (RS6155)	Switch Release Slide
21	EA80X57 (RS9850)	Motor Plate Assembly	50	EA80X19 (RS6024)	Control Return Lever
22	EA80X156 (RS6431)	Index Wire	51	EA80X269 (EA1373)	Control Return Lever Spring
23	EA80X48 (RS6053)	Pawl Stop Spring	52	EA80X42 (RS6047)	Anti-Skate Spring (Not used in Models RD310-1, RD310-2)
24	EA80X218 (EA1027)	Shut-Off Lever	53	EA80X33 (RS6038)	Velocity Trip Arm Eyelet
25	EA80X151 (RS6283)	Tone Arm Bracket and Ratchet Assembly	54	EA80X231 (EA1041)	Velocity Trip Arm Spring
26	EA80X16 (RS6021)	Anti-Skate Ratchet	55	EA80X197 (RS6586)	Velocity Trip Arm Assembly
27	EA80X133 (RS6154)	Record Support Arm Shaft Assembly	56		Quadrant Lever
28	EA80X7 (RS6012)	Index Pawl Assembly	57		Quadrant Lever Spring
29	EA80X17 (RS6022)	Pawl Stop	58		Index Knob Spring

* Idler Wheel — WALSCO Part No. 1499-35

ADJUSTMENTS (Continued)

Idler Height — All Models

Adjust Screw (13) to center Idler (10) on all steps of the motor pulley.

Tone Arm Vertical Pivot — Models RD300 and RD310 Series

Loosen the pivot pin clamping screw in Bracket (72) under the tone arm. Place a .0025-inch feeler gauge between pointed end of Pin (64) and the hook in

Assembly (62). Snug Pin (64) against the feeler and tighten the clamping screw.

Tone Arm Vertical Pivot — Models RD325 Series

Loosen the pivot pin clamping screw in Bracket (72) under the tone arm. Place a .0025-inch feeler gauge between the shoulder of Pin (64) and the tone arm base. Snug Pin (64) against the feeler and tighten the clamping screw.

TROUBLE CHART

SYMPTOM	REMARKS
Turntable does not rotate when unit is turned on.	<ol style="list-style-type: none">1. Idler (10) dirty or worn.2. Spring (12) loose or weak.3. Motor or switch defective.
Wow/Flutter.	<ol style="list-style-type: none">1. Idler (10), turntable rim, or motor pulley dirty, irregularly worn, or bent.2. Bearing (4) binding.3. Idler (10) binding.4. Motor defective.
Stylus does not track.	<ol style="list-style-type: none">1. Stylus worn.2. Stylus pressure incorrect.3. Cartridge leads binding.4. Wrong stylus selected.5. Changer not level.6. Pivot Pin (64) allowed excessive play.
Changer shuts off prematurely.	<ol style="list-style-type: none">1. Lever (56) binding.2. Slide (46) binding.3. Spring (48) loose
Does not cycle at end of record.	<ol style="list-style-type: none">1. Turntable hub worn.2. Trip Arm (55) binding.3. Lever (44) slipping on Catch (43). (Oil or no damping compound between them).
Records do not drop.	<ol style="list-style-type: none">1. Spring (30) loose.2. Actuator (32) or pin on Gear (42) worn.3. Spindle (71) defective.
Unit does not shut off automatically.	<ol style="list-style-type: none">1. Shaft (27) binding.2. Slide (46) bent or worn.3. Switch defective.
On-Off-Rej knob does not function.	<ol style="list-style-type: none">1. Rod (47) loose.2. Lever (45) or Spring (51) loose.

The detent pin on Gear (42) releases Lever (24), pulled by Spring (34), which resets Catch (43) through Lever (44).

The main slide pin on Gear (42) moves Slide (41), allowing Bracket (25), pushed by Spring (36) and pulled by Spring (35), to pull the rear of the tone arm base assembly down, raising the tone arm.

Slide (41) pulls Spring (40), pivoting Bracket (72) to swing the tone arm to the right. Slide (41) also releases Stop (29), pulled by Spring (23).

As the tone arm reaches its outermost position, Bracket (25) detents in a notch in Assembly (62).

An actuator pin on Gear (42) slides Actuator (32), pivoting the center lever in Spindle (71), pulled by Spring (30), to drop the next record.

Gear (42) reverses Slide (41) to release Spring (40), allowing Bracket (25), pulled by Spring (35), to pivot Bracket (72), swinging the tone arm over the record. A step on Bracket (25) contacts Pawl (28) to hold the tone arm over the first grooves of the selected size record.

Slide (41) lifts Bracket (25) to release Mounting (62), lowering the tone arm.

A pin on Gear (42) resets Arm (55), then pivots and detents in Lever (24), pulled by Spring (34).

Automatic Tripping

As the tone arm swings in, following the record grooves, Bracket (72) moves Actuator (39) to push Eyelet (53), sliding Arm (55) which pivots Lever (44).

Stylus Pressure — Models RD300 and RD310 Series

NOTE: Adjust to pressure suggested by manufacturer of cartridge used.

Hook the stylus pressure spring, located under the rear section of the tone arm, into the hole in the stylus pressure adjust clip that produces the desired pressure.

Stylus Pressure — Models RD325 Series

Turn the knurled knob on the rear of Counterweight (61).

Setdown — Models RD300 and RD310 Series

The setdown adjustment screw is located under the rear of the tone arm on the side of Assembly (62) next to the Record Support Arm. Adjust this screw until the stylus lowers into the first groove of the recording.

Setdown — Models RD325 Series

The setdown adjustment is the knurled screw on the right side of the tone arm base. Adjust to lower the stylus into the first groove of the recording.

Lever (44) pivots Catch (43) toward the turntable hub, but the raised section of the turntable hub sets Catch (43) back until Catch (43) is moved close enough to the hub to be struck solidly by the raised section of the hub, initiating the cycle.

Automatic Shutoff (Same as the change cycle with the following exceptions)

As the last record drops, Shaft (27) pivots Lever (56), pushed by Spring (57), latching Stop (29).

As the tone arm swings over the rest post, Stop (29), pulled by Spring (23), causes Pawl (28) to engage the last step on Bracket (25).

Bracket (25) braces Slide (46), pulled by Spring (48), in position for a ramp on Gear (42) to raise Gear (42) enough for a pin on Gear (42) to pivot Lever (24), pulled by Spring (34). Lever (24) engages Bar (17), pulled by Spring (14), and slides Bar (17) which opens the motor switch and pivots Arm (11), pulled by Spring (12), to raise Idler (10) from the turntable rim.

Manual Shutoff

Turning the On-Off-Rej knob to Off pivots Lever (45) to slide and catch Slide (46), pulled by Spring (48). Lever (45) also slides Arm (55) to initiate the cycling. Slide (46), latched in a notch in the lower plate, raises Gear (42) as described in "Automatic Shutoff".

Size Selector

Turning the Size Selector positions Wire (22), pulled by Spring (33), to block Stop (29), pulled by Spring (23), which positions Pawl (28) to block the proper step on Bracket (25).

ADJUSTMENTS

Height — Models RD300 and RD310 Series

The height adjustment screw is located under the rear of the tone arm, on top of Assembly (62). Adjust the height so the stylus clears a stack of six records on the turntable without dragging the bottom of the records on the spindle shelf.

Height — Model 325 Series

The height adjustment screw is located on the tone arm base under the tone arm. Adjust the height so the stylus clears a stack of six records on the turntable without dragging the bottom of the records on the spindle shelf.

Trip Actuator — All Models

With the power disconnected, the Record Support Arm raised, and the Record Size Selector at 7, turn the On-Off-Rej. knob to Reject and release. Rotate the turntable by hand until the stylus just touches the record. At this point, Actuator (39) should just touch Eyelet (53), with the eyelet at its rearmost point. Actuator (39) can be adjusted while holding the Tone Arm.

