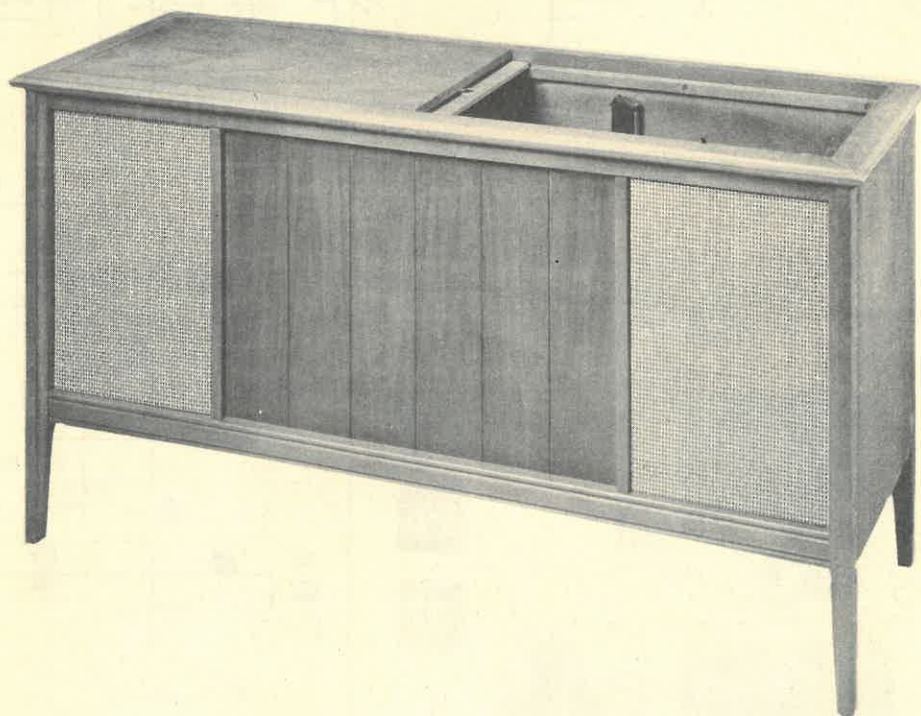


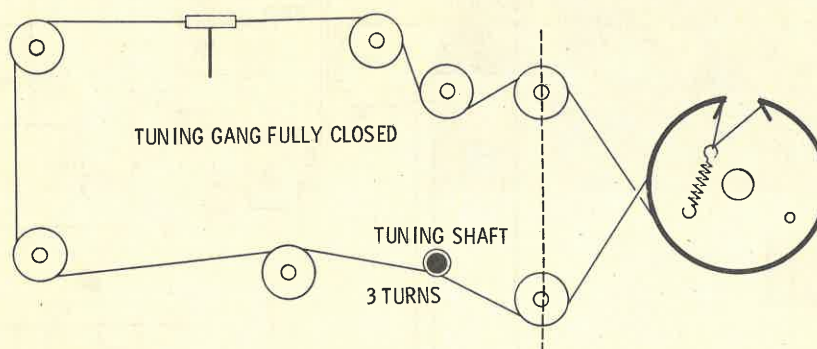
For Supplier Address See PHOTOFACT Index
ADMIRAL RECORD CHANGER RC8 RC8MIL-17BJ

ADMIRAL
MODEL Y1701S (Ch. 16B6)



ADMIRAL
MODEL Y1701S (Ch. 16B6)

DIAL CORD STRINGING



REMEMBER TO ASK— “What else needs fixing?”

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

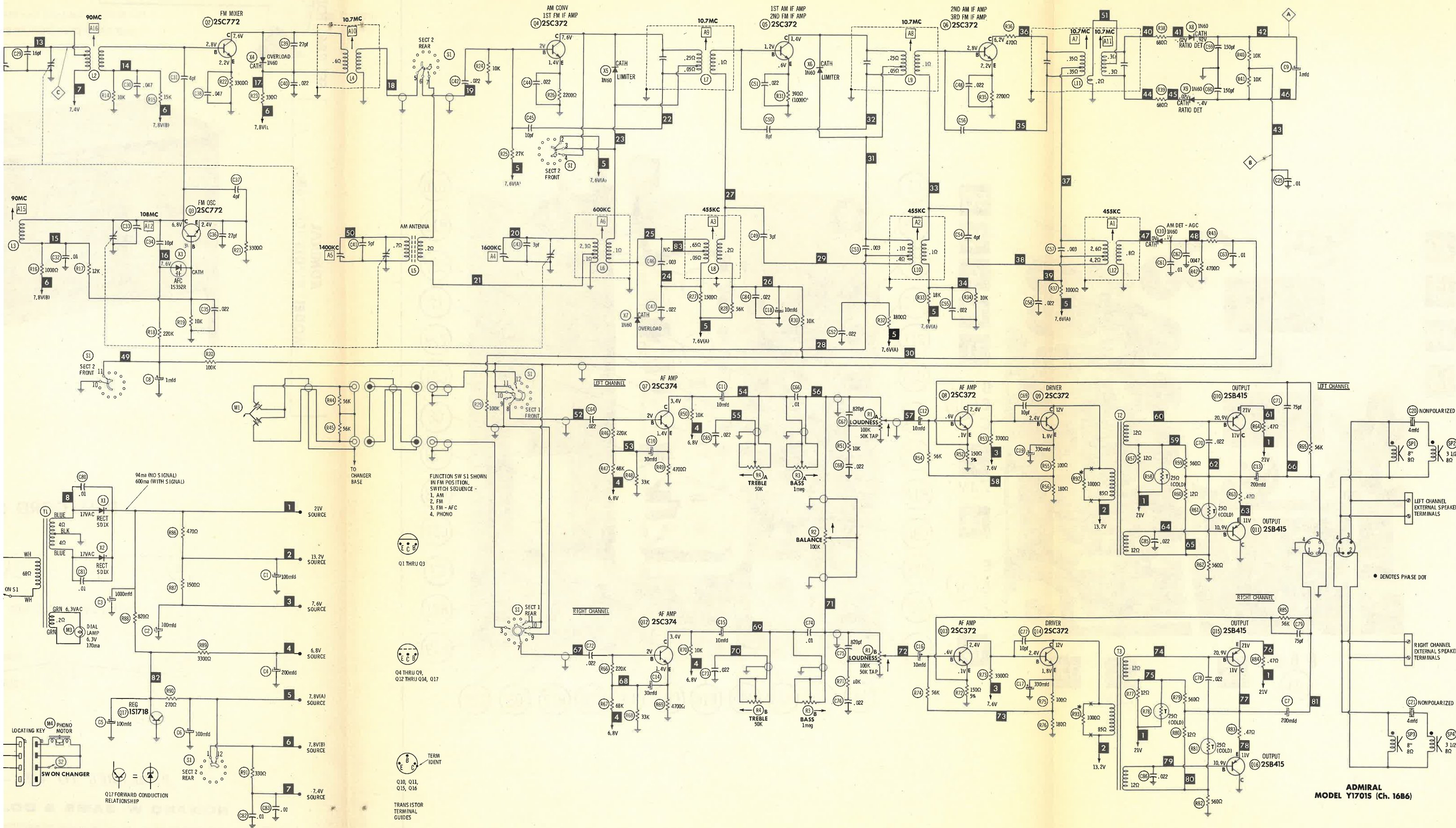


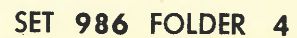
The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. SM816

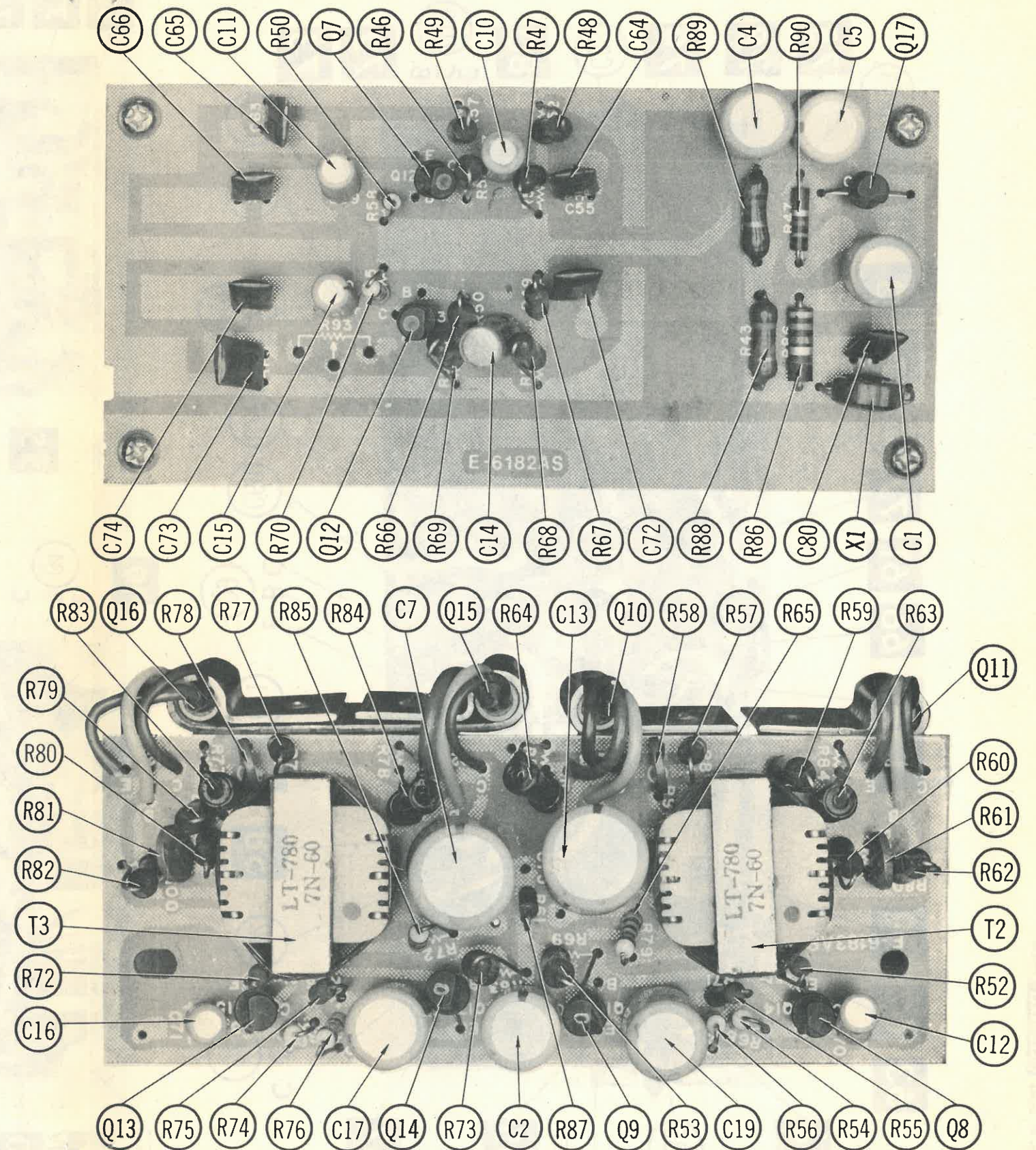
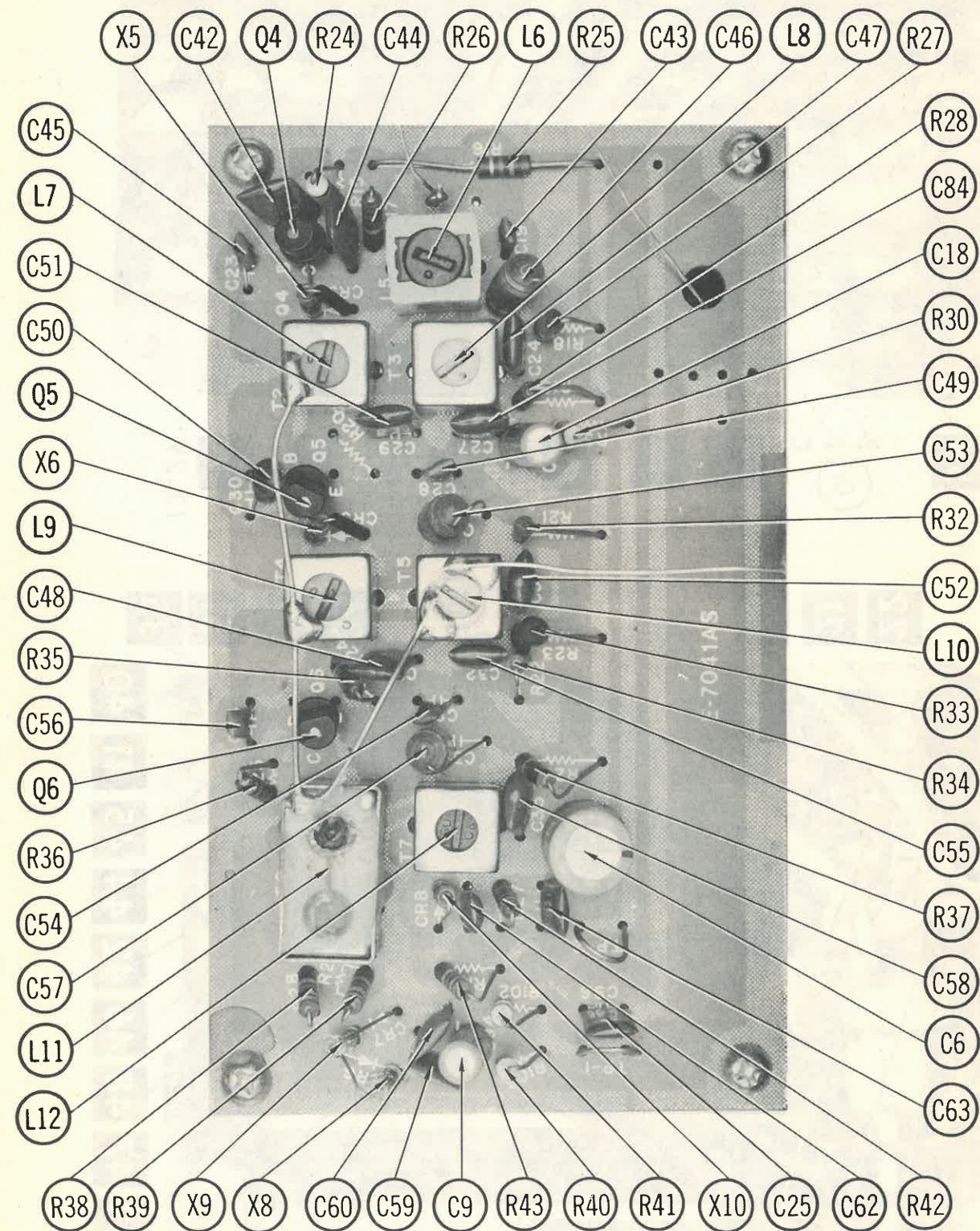
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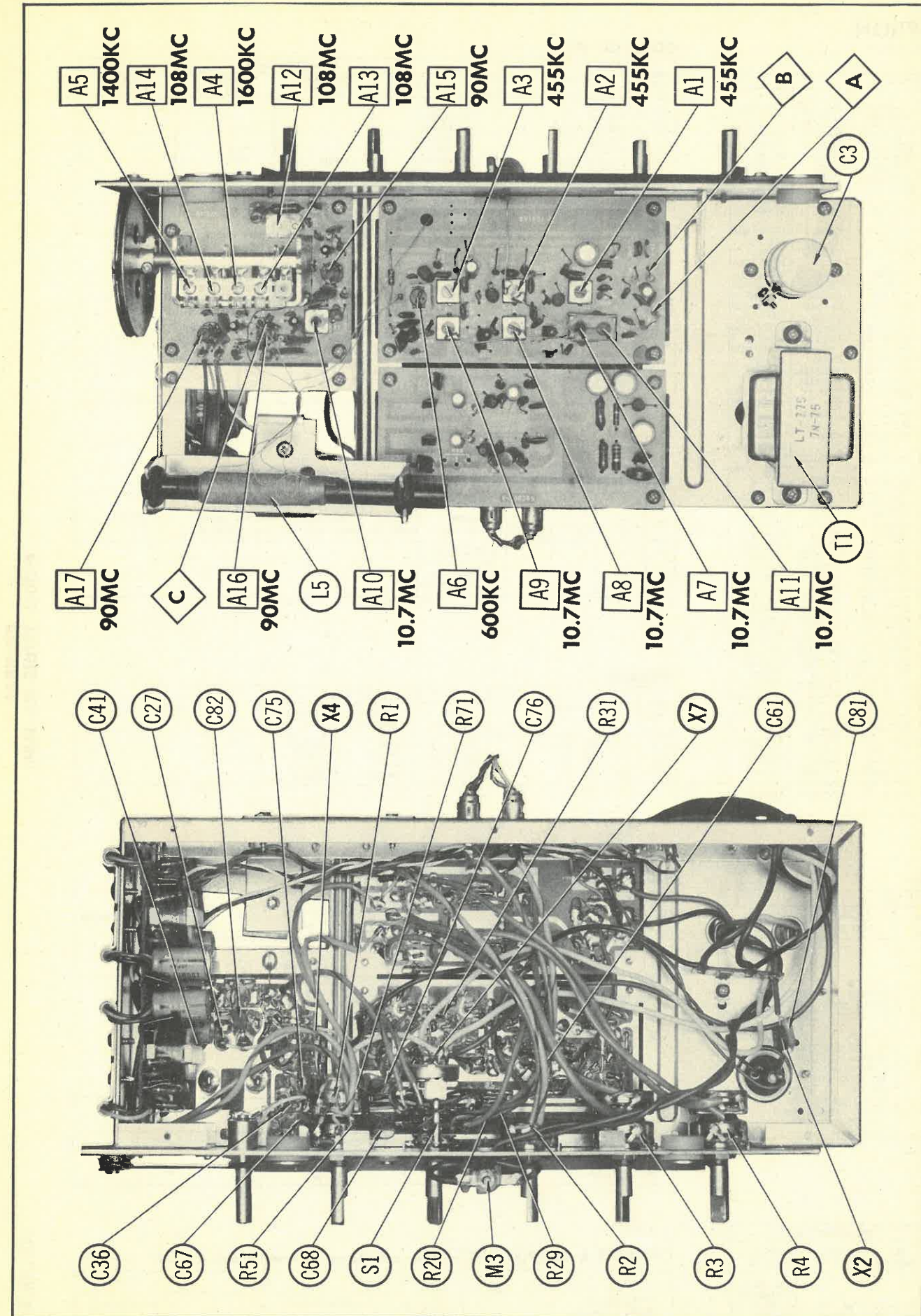
DATE 10-68

SET 986 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 A6, A8, A9, A12, A13, A14... GENERAL CEMENT #8868, 8987, 9089....WALSCO #2531-X, 2541, 2587
 A7, A10, A11, A15, A16, A17..... GENERAL CEMENT #9440.....WALSCO #2501

AM ALIGNMENT - SELECTOR IN AM POSITION

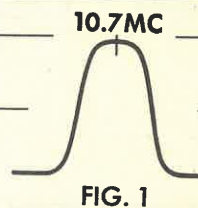
Fashion loop of several turns of wire and connect generator across loop. Set volume control at maximum.

GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
1. 455KC (400 Mod.)	Tuning gang fully open.	Output meter across voice coil.	A1, A2, A3	Adjust for maximum. Repeat until no further improvement can be made.
2. 1600KC	"	"	A4	Adjust for maximum.
3. 1400KC	Tune to signal.	"	A5	"
4. 600KC	"	"	A6	Rock tuning gang and adjust for maximum. Repeat steps 2 thru 4 until no further improvement can be made.

FM IF ALIGNMENT USING AM SIGNAL GENERATOR - SELECTOR IN FM POSITION

High side of generator thru .001mfd to point C, low side to ground.

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.	A7, A8, A9, A10	Adjust for maximum.
6. "	"	DC probe to point B, common to ground.	A11	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

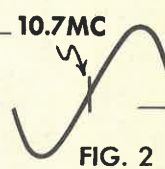
High side of generator thru .001mfd to point C, low side to ground. Use only enough marker signal for indication. Use 60% frequency modulated signal with 450KC sweep. Use 60% sawtooth voltage in scope for horizontal deflection.

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.	A7, A8, A9, A10	Disconnect stabilizing capacitor C9. Adjust for maximum gain and symmetry of response similar to Fig. 1 with marker as shown. Reconnect C9.
6. "	"	Vert. amp. to point B, low side to ground.	A11	Adjust A11 (secondary) to place marker at center of "S" curve similar to Fig. 2. Adjust A7 (primary) for maximum amplitude and straightness of line.

FM RF ALIGNMENT - 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
7. 108MC	Set at high end.	DC probe of VTVM to point A, common to ground.	A12, A13, A14	Adjust for maximum.
8. 90MC	Tune to signal.	"	A15, A16, A17	Rock tuning and adjust for maximum. Repeat steps 7 and 8 until no further improvement can be made.



ADMIRAL
 MODEL Y701S (Ch. 16B6)

FOLDER 4

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors
Power Cord	Use BELDEN No. 17106 (Plastic) or 17126 (Rubber) - 6 Ft. 17109 (Plastic) or 17129 (Rubber) - 9 Ft. 8401 or 8421
Low-Loss Shielded Lead (Interconnecting)	Use BELDEN No. 8430 (Plastic) or 17129 (Rubber) - 9 Ft. 8429 (Two Conductor-Unshielded) 8419 (Three Conductor-Shielded)
Phono Pick-up Arm Cable	Use BELDEN No. 8429 (Two Conductor-Unshielded) 8419 (Three Conductor-Shielded)

TRANSISTORS

ITEM No.	TYPE No.	FUNCTION	REPLACEMENT DATA					
			MFGR. PART No.	DELCO PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.	SYLVANIA PART No.
Q1	2SC772	FM RF Amp.	2057B2-101	DS-81	GE-17	TR-22	SK-3018	ECG 108
Q2	2SC772	FM Mixer	2057B2-101	DS-81	GE-17	TR-22	SK-3018	ECG 108
Q3	2SC772	FM Osc.	2057B2-102	DS-81	GE-17	TR-22	SK-3018	ECG 108
Q4	2SC772	AM Conv. -1st FM IF Amp.	2057B2-62	DS-74	GE-20	TR-21	SK-3018	ECG 108
Q5	2SC372	1st AM-2nd FM IF Amp.	2057B2-62	DS-74	GE-20	TR-21	SK-3018	ECG 108
Q6	2SC372	2nd AM-3rd FM IF Amp.	2057B2-62	DS-74	GE-20	TR-21	SK-3018	ECG 108
Q7	2SC374	AF Amp.	2057B2-97	DS-66	GE-10	TR-21	SK-3020	ECG 123
Q8	2SC372	AF Amp.	2057B2-62	DS-66	GE-10	TR-21	SK-3020	ECG 123
Q9	2SC372	Driver	2057B2-62	DS-66	GE-10	TR-21	SK-3020	ECG 123
Q10	2SB415	Output	2057B2-61 ①					
Q11	2SB415	Output	2057B2-61 ②					
Q12	2SC374	AF Amp.	2057B2-97	DS-66	GE-10	TR-21	SK-3020	ECG 123
Q13	2SC372	AF Amp.	2057B2-62	DS-66	GE-10	TR-21	SK-3020	ECG 123
Q14	2SC372	Driver	2057B2-62	DS-66	GE-10	TR-21	SK-3020	ECG 123
Q15	2SB415	Output	2057B2-61 ②					
Q16	2SB415	Output	2057B2-61 ②					
Q17	1S1718	Regulator	2093B41-24					

① & ② When ordering, specify matched pair.

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MFGR. PART OR TYPE No.	REPLACEMENT RECTIFIERS & DIODES			REPLACEMENT RECTIFIERS		NOTES
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	SYLVANIA PART No.	RCA PART No.	SARKES TARZIAN PART No.	
X1	2093B41-8 (SD1X)	GE-504A	8D4 or 18DC6A ③	ECG 116 or ECG 117	SK-3030 or SK-3031	40C or S-5981 ③	① Matched Pair ② Variable Capacitor Diode ③ A single unit replacement for both rectifiers.
X2	2093B41-8 (SD1X)	GE-504A	8D4 or 18DC6A ③	ECG 116 or ECG 117	SK-3030 or SK-3031	40C or S-5981 ③	
X3	2093B41-25 (1S352R ②)						
X4	93B41-2 (1N60)	1N60	1N60	ECG 109			
X5	93B41-2 (1N60)	1N60	1N60	ECG 109			
X6	93B41-2 (1N60)	1N60	1N60	ECG 109			
X7	93B41-2 (1N60)	1N60	1N60	ECG 109			
X8	93B41-2 (1N60)	1N60	1N60	ECG 110 ①			
X9	93B41-2 (1N60)	1N60	1N60	ECG 109			
X10	93B41-2 (1N60)	1N60	1N60	ECG 109			

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA						
		ADMIRAL PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	100 15V	2067B64-48	BCD15100	EP15-100	NLW100-15	MT1-19	MTV100CF15	TE-1162
C2	100 15V	2067B64-48	BCD15100	EP15-100	NLW100-15	MT1-19	MTV100CF15	TE-1162
C3	1000 25V	2067B63-14	AFH1-10	E A30-1000	BR1000-50	XC1-26.1	TC2510	TV4-1211
C4	200 10V	2067B64-49	BCD10190	EP15-100	NLW200-12	MT1-23	MTV200CK10	TE-1139
C5	100 10V	2067B64-50	BCD10100	EP15-100	NLW100-12	MT1-19	MTV100CD10	TE-1135
C6	100 10V	2067B64-50	BCD10100	EP15-100	NLW100-12	MT1-19	MTV100CD10	TE-1135
C7	200 15V	2067B64-47	BCD20200	EP15-100	NLW200-15	MT1-23	MTV200SP15	TE-1164
C8	1 25V	2067B64-51	BCD25001	EP6-10	NLW1-50	MT1-1	MTV1CB50	TE-1200
C9	1 25V	2067B64-51	BCD25001	EP6-10	NLW1-50	MT1-1	MTV1CB50	TE-1200
C10	30 6V	2067B64-52	BCD6025	EP6-10	NLW30-6	MT1-13	MTV30CB25	TE-1132.1
C11	10 6V	2067B64-53	BCD6010	EP6-10	NLW10-6	MT1-5	MTV10CB50	TE-1087
C12	10 6V	2067B64-53	BCD6010	EP6-10	NLW10-6	MT1-5	MTV10CB50	TE-1087
C13	200 15V	2067B64-47	BCD20200	EP6-10	NLW200-15	MT1-23	MTV200SP15	TE-1164
C14	30 6V	2067B64-52	BCD6025	EP6-10	NLW30-6	MT1-13	MTV30CB25	TE-1130.1
C15	10 6V	2067B64-53	BCD6010	EP6-10	NLW10-6	MT1-5	MTV10CB50	TE-1087
C16	10 6V	2067B64-53	BCD6010	EP6-10	NLW10-6	MT1-5	MTV10CB50	TE-1087
C17	330 6.3V	①		EA6-500	NLW300-6	QTI-30	MTV300CP6	TE-1106
C18	100 10V	2067B64-50	BCD10100	EP15-100	NLW100-12	MT1-19	MTV100CD10	TE-1135
C19	330 6.3V	①		EA6-500	NLW300-6	QTI-30	MTV300CP6	TE-1106
C20	4 6VNP	67A40-8	PRS7405	EP15-100	NLW100-12	MT1-19	MTV100CD10	TE-1135
C21	4 6VNP	67A40-8	PRS7405	EP15-100	NLW100-12	MT1-19	MTV100CD10	TE-1135

① Some Versions may use 100mfd @ 10V, Part No. 2067B64-50.

PARTS LIST AND DESCRIPTION

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

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENDO PART No.	MALLORY PART No.	SPRAGUE PART No.
C25	.01 50V		DBE6S1	CPR-10000J	DMF2S1	4DP-1-103	PVC211	2TM-S10
C26	16		NPO-DI 15	DTZ-15	CZ601CG150J	CCTO-150	CNO415	10TCC-Q15
C27	.001		GPD X5F102K	DM-102	JBS601YPI02K	CCD-102	SM210	2SS-D10
C28	.01		TTP-01	CK-103	HOY101ZV103P	CCD-103	TA110	TG-S10
C29	16		NPO-DI 15	DTZ-15	CZ601CG150J	CCTO-150	CNO415	10TCC-Q15
C30	.047		GPD Z5V503P	DD-503		CCD-503	GP150	5HK-S50
C31	4	#2065B112-87						10TCC-V39
C32	.01		TTP-01	CK-103	HOY101ZV103P	CCD-103	TA110	TG-S10
C33		#2066B48-10						
C34	10		NPO-DI 10	DTZ-10	CZ601CG100J	CCTO-100	CNO410	10TCC-Q10
C35	.022		GPD Z5U203P	DD-203	BYT601ZU203Z	CCD-203	GP120	10TS-S20
C36	27		NPO-DI 25	TCZ-27		CCTO-270	CNO427	10TCC-Q27
C37	4	#2065B112-87						10TCC-V39
C38	.047		GPD Z5V503P	DD-503		CCD-503	GP150	5HK-S50
C39	27		NPO-DI 25	TCZ-27		CCTO-270	CNO427	10TCC-Q27
C40	.022		GPD Z5U203P	DD-203	BYT601ZU203Z	CCD-203	GP120	10TS-S20
C41	5		NPO-DI 5.0	DTZ-4R7	CZ601CH5R0J	CCTO-050	CNO547	10TCC-V50
C42	.022		GPD Z5U203P	DD-203	BYT601ZU203Z	CCD-203	GP120	10TS-S20
C43	3		NPO-DI 3.0	DTZ-3R3		CCTO-3R3	CNO533	10TCC-V30
C44	.022		DBE6S22	DD-203	DMF4S22	4DP-2-223	PVC6122	4PS-S22
C45	10		NPO-DI 10	DTZ-10	CZ601CG100J	CCTO-100	CNO410	10TCC-Q10
C46	.003		CPR-3000J	CD19F302J500	DMF4S22	DM-19-302J	SX230	MS-230
C47	.022		DBE6S22	DD-203	DMF4S22	4DP-2-223	PVC6122	4PS-S22
C48	.022		DBE6S22	DD-203	DMF4S22	4DP-2-223	PVC6122	4PS-S22
C49	3	#2065B112-84	NPO-DI 3.0	DTZ-3R3		CCTO-3R3	CNO533	10TCC-V30
C50	8		NPO-DI 8.2					10TCC-V82
C51	.022		DBE6S22	DD-203	DMF4S22	4DP-2-223	PVC6122	4PS-S22
C52	.022		DBE6S22	DD-203	DMF4S22	4DP-2-223	PVC6122	4PS-S22
C53	.003		CPR-3000J	CD19F302J500	DMF4S22	DM-19-302J	SX230	MS-230
C54	4	#2065B112-87						10TCC-V39
C55	.022		DBE6S22	DD-203	DMF4S22	4DP-2-223	PVC6122	4PS-S22
C56	4	#2065B112-87						10TCC-V39
C57	.003		CPR-3000J	CD19F302J500	DMF4S22	DM-19-302J	SX230	MS-230
C58	.022		DBE6S22	DD-203	DMF4S22	4DP-2-223	PVC6122	4PS-S22
C59	150		GPD X5F151K	DD-151		CCD-151	GP315	10TS-T15
C60	150		GPD X5F151K	DD-151		CCD-151	GP315	10TS-T15
C61	.01		DBE6S1	CPR-10000J	DMF2S1	4DP-1-103	PVC211	2TM-S10
C62	.0047		GPD X5R472K	DD-472G	JBT601YP472K	CCD-472	JF247	2SS-D47
C63	.01		DBE6S1	CPR-10000J	DMF2S1	4DP-1-103	PVC211	2TM-S10
C64	.022		DBE6S22	DD-203	DMF4S22	4DP-2-223	PVC6122	4PS-S22
C65	.022		DBE6S22	DD-203	DMF4S22	4DP-2-223	PVC6122	4PS-S22
C66	.01		DBE6S1	CPR-10000J	DMF2S1	4DP-1-103	PVC211	2TM-S10
C67	820		CPR-820J	CD19F821J500	DMF4S22	DM-19-821J	SX382	MS-382
C68	.022		DBE6S22	DD-203	DMF4S22	4DP-2-223	PVC6122	4PS-S22
C69	10		NPO-DI 10	DTZ-10	CZ601CG100J	CCTO-100	CNO410	10TCC-Q10
C70	.022		DBE6S22	DD-203	DMF4S22	4DP-2-223	PVC6122	4PS-S22
C71	75		NPO-DI 75	DTZ-75		CCTO-750	CNO475	10TCC-Q75
C72	.022		DBE6S22	DD-203	DMF4S22	4DP-2-223	PVC6122	4PS-S22
C73	.022		DBE6S22	DD-203	DMF4S22	4DP-2-223	PVC6122	4PS-S22
C74	.01		DBE6S1	CPR-10000J	DMF2S1	4DP-1-103	PVC211	2TM-S10
C75	820		CPR-820J	CD19F821J500	DMF4S22	DM-19-821J	SX382	MS-382
C76	.022		DBE6S22	DD-203	DMF4S22	4DP-2-223	PVC6122	4PS-S22
C77	10		NPO-DI 10	DTZ-10	CZ601CG100J	CCTO-100	CNO410	10TCC-Q10
C78	.022		DBE6S22	DD-203	DMF4S22	4DP-2-223	PVC6122	4PS-S22
C79	75		NPO-DI 75	DTZ-75		CCTO-750	CNO475	10TCC-Q75
C80	.01		TTP-01	CK-103	HOY101ZV103P	CCD-103	TA110	TG-S10
C81	.01		DBE6S1	CPR-10000J	DMF2S1	4DP-1-103	PVC211	2TM-S10
C82	.01		TTP-01	CK-103	HOY101ZV103P	CCD-103	TA110	TG-S10
C83	.01		TTP-01	CK-103	HOY101ZV103P	CCD-103	TA110	TG-S10
C84	.022		DBE6S22	DD-203	DMF4S22	4DP-2-223	PVC6122	4PS-S22
C85	.022 50V		DBE6S22	DD-203	DMF4S22	4DP-2-223	PVC6122	4PS-S22
C86	.022 50V		DBE6S22	DD-203	DMF4S22	4DP-2-223	PVC6122	4PS-S22
C87		#2068B105-7						

Admiral Part Number

CONTROLS

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

ITEM No.	USE	RESIST-ANCE	REPLACEMENT DATA				
			ADMIRAL PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1A	Loudness/Left	100K	2075B89-28 (EP-3368)	F59-100K ① ②, R59-100K ②, SF104, CPL-2,			
B	Loudness/Right	50K Tap		KR-1			
R2	Switch Balance	100K	2075B89-31 (EP-3363)	F1-100K ①, SF104	A47-100K-S ①, FS-3 or (NP-100K-S ①, UP-B-400)	Q11-128 ① or (BU1 ①, CF13, SS1, DC1)*	

