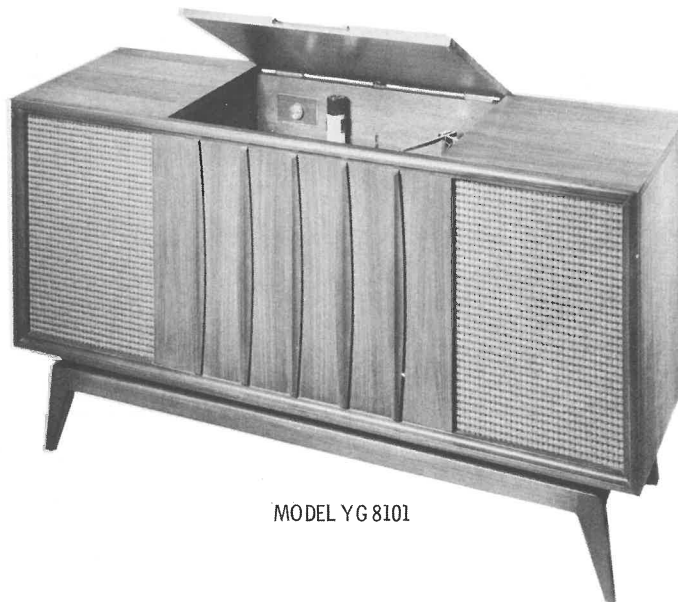


PHOTOFACT® Folder

with CIRCUITRACE®

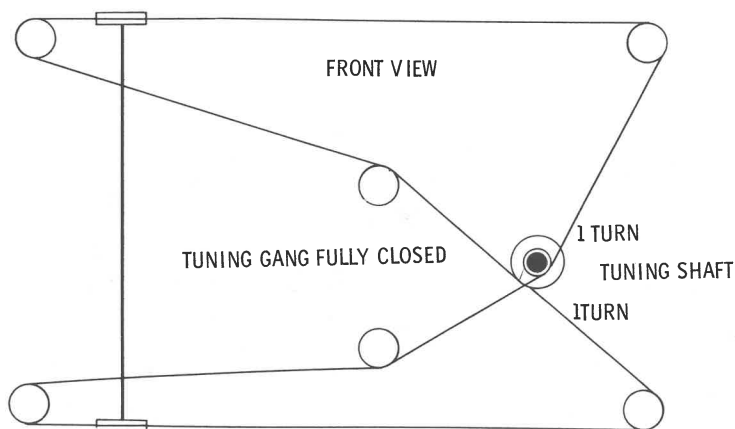
ADMIRAL
CHASSIS 24A3A/3BADMIRAL
CHASSIS 24A3A/3B

MODEL YG 8101

TRADE NAME:	Admiral Models:	TM421	Chassis:	24A3B
		YG401		24A3B
		YG8101		24A3A
		YG8111		24A3A
		YG8115		24A3A
		YG8121		24A3A
		YG8129		24A3A
		YG8131		24A3A
		YG8145		24A3A
		YG8153		24A3A
	SUPPLIER:	For Current Address, See Annual Index.		
TYPE SET:		23 Transistor AM-FM-FM Stereo Receiver W/4 Speed Automatic Record Changer		
POWER SUPPLY:		110-120 Volts AC, 60 Cycles	RATING: 16 Watts, .16 Amp. @ 117 Volts AC (Less Motor)	
TUNING RANGE:		BROADCAST 535-1620KC	FREQ. MOD: 88-108MC	

FOR SERVICE INFORMATION ON RECORD CHANGER—SEE SIMILAR CHANGER—PHOTOFACT SET 835, FOLDER 4.

DIAL CORD STRINGING



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. NN904

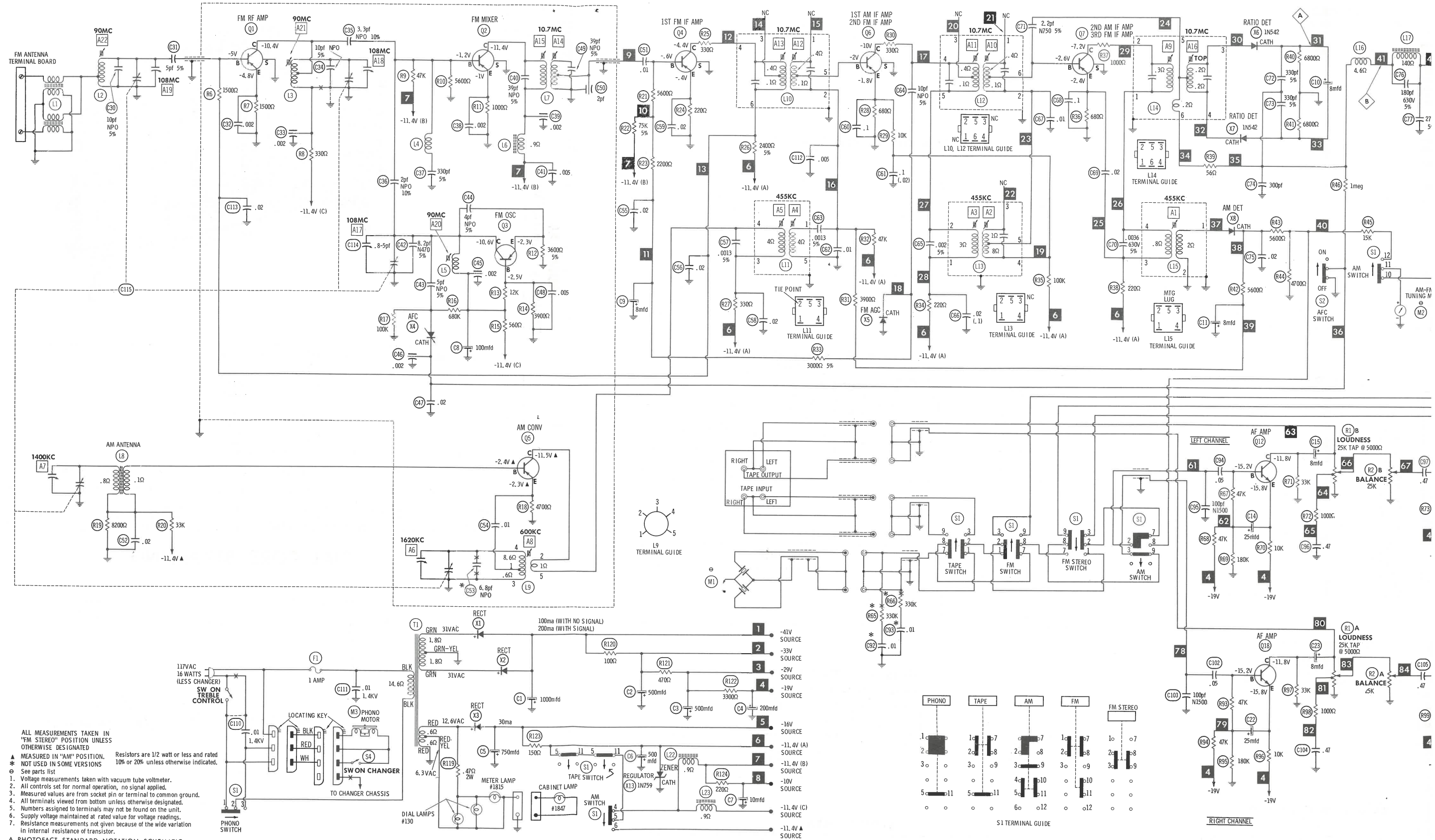


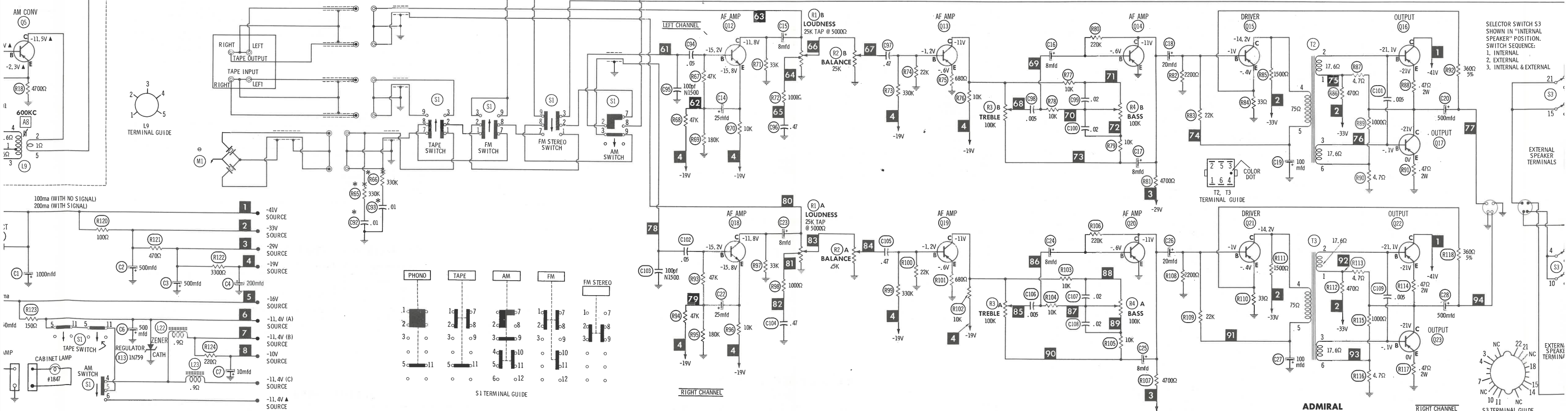
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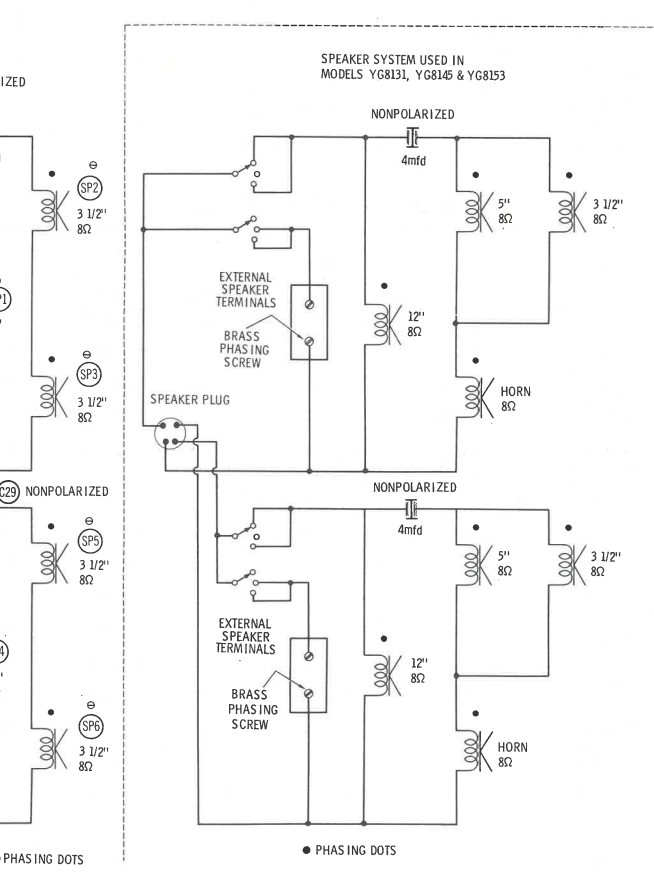
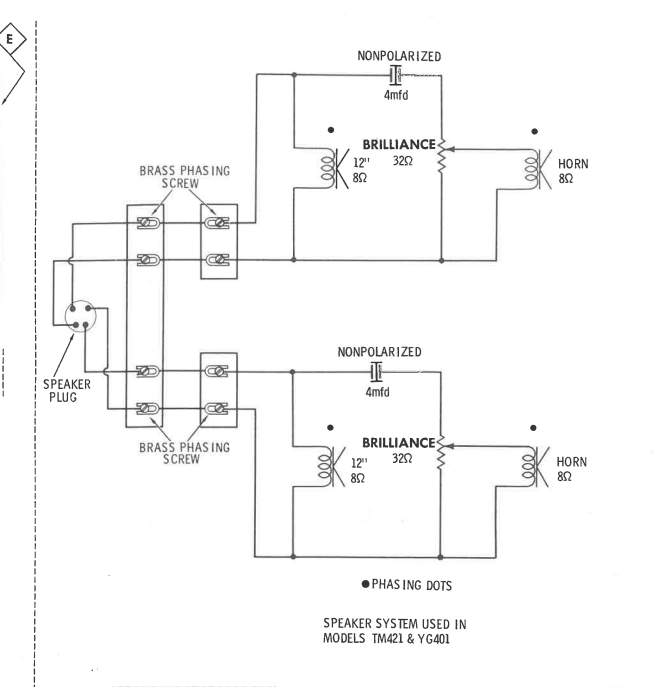
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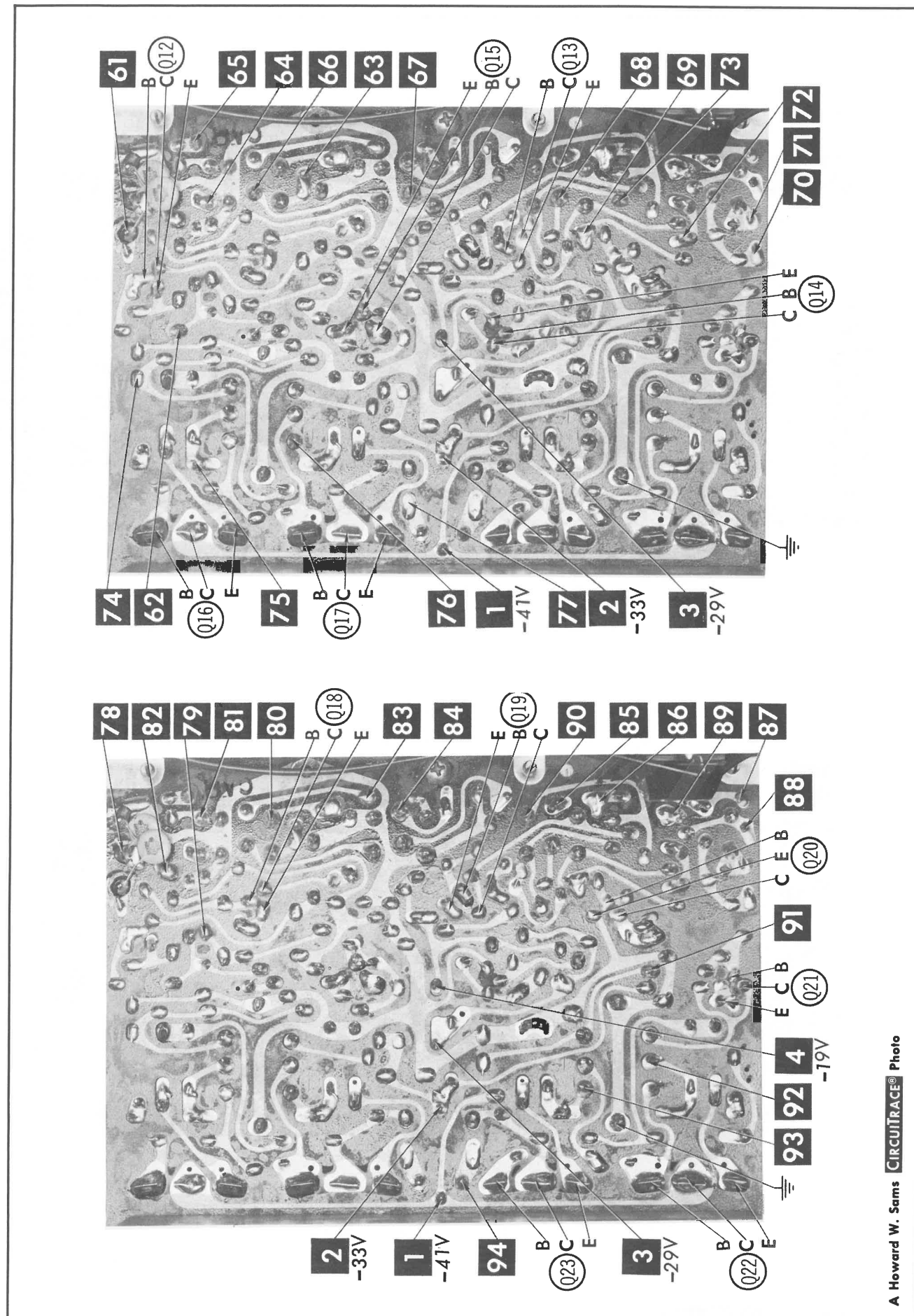
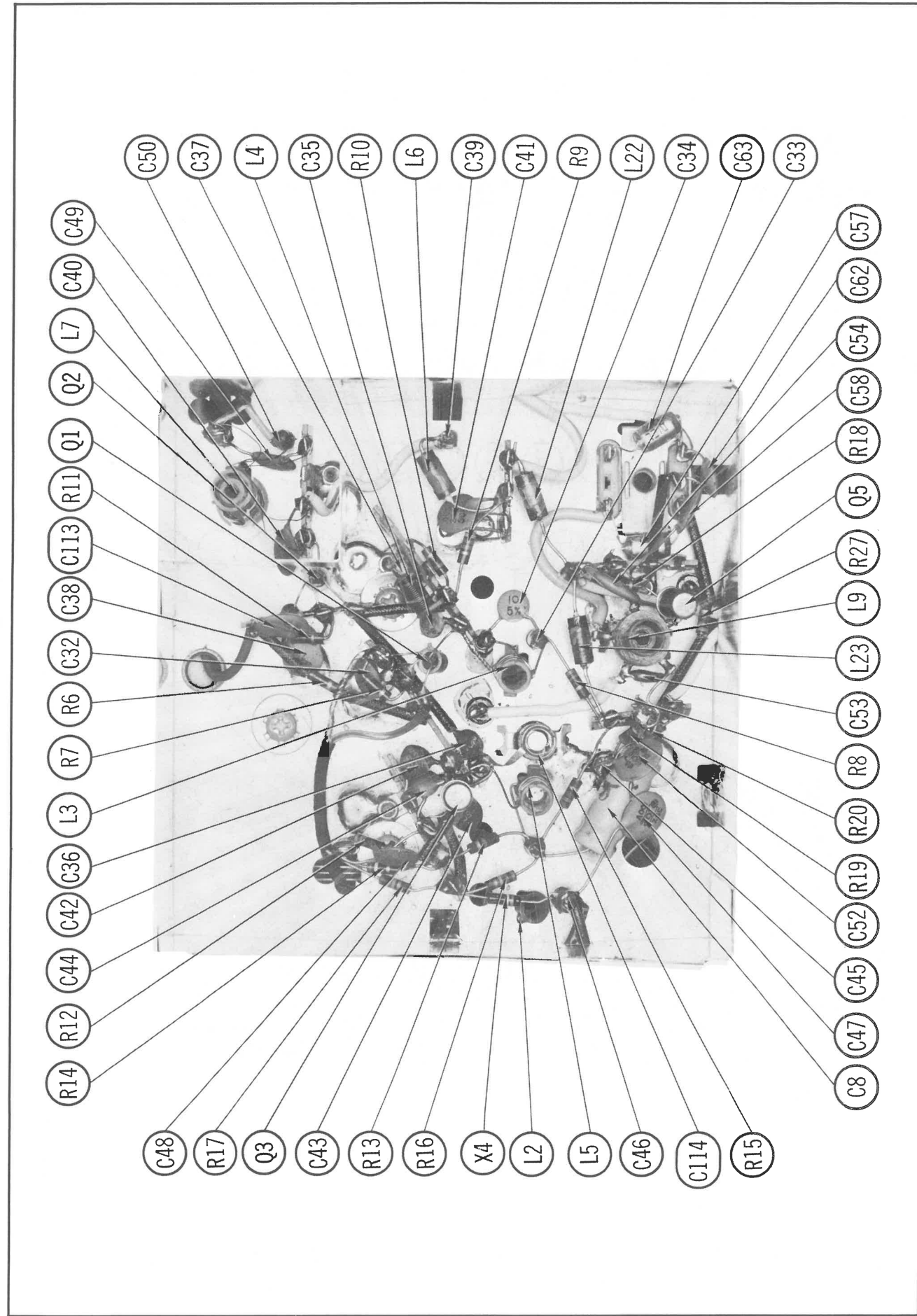
SET 852 FOLDER 4

ADMIRAL
CHASSIS 24A3A/3B









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 A5, A8 thru A17, A20, A22 thru A26. GENERAL CEMENT: 8606, 8869, 9302 WALSCO: 2511, 2543, 2588
A6, A7, A18, A19. 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, A5.	Adjust for maximum. Repeat until no further improvement can be made.
2. 1620KC	"	"	A6.	Adjust for maximum.
3. 1400KC	Tune to signal.	"	A7.	"
4. 600KC	"	"	A8.	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.	A9, A10, A11, A12, A13, A14, A15.	Adjust for maximum.
6. "	"	DC probe to point B; common to ground.	A16.	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 60v 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.	A9, A10, A11, A12, A13, A14, A15.	Disconnect stabilizing capacitor C10. Adjust for maximum gain and symmetry of response similar to Fig. 1 with marker as shown. Reconnect C 10
6. "	"	Vert. amp. to point B; low side to ground.	A16.	Adjust A16 (Secondary) to place marker at center of crossover lines similar to Fig. 2. Adjust A 9 (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.

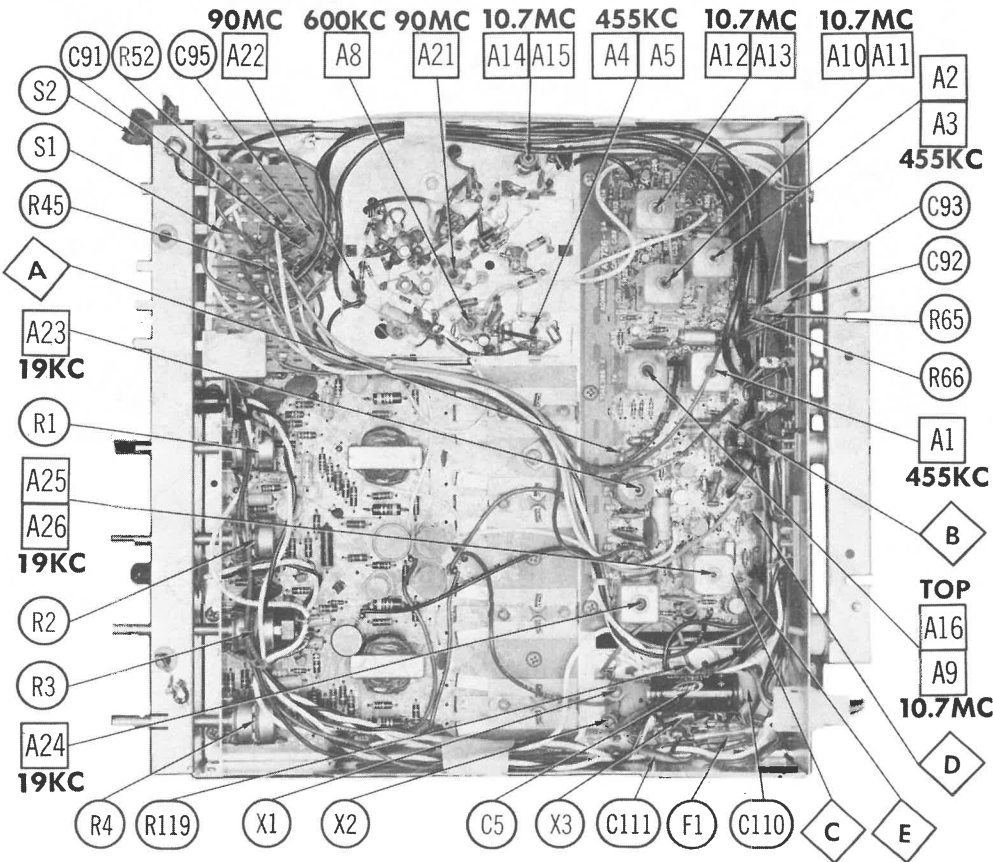
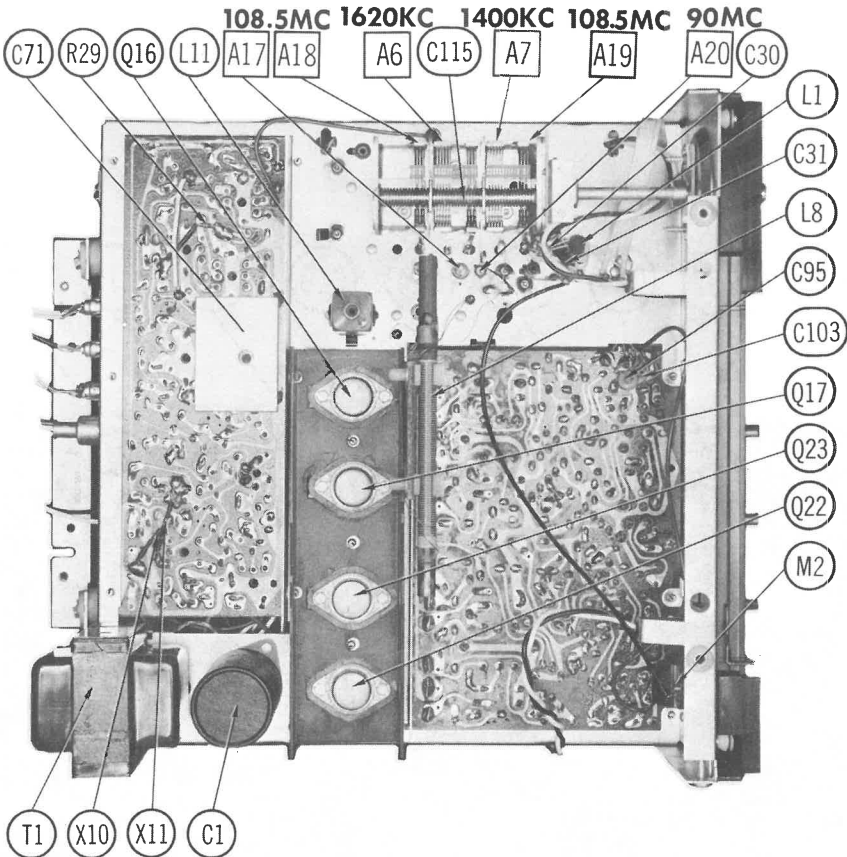
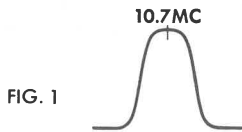
GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
7. 108MC	Set at high end.	DC probe of VTVM to point A; common to ground.	A17, A18, A19.	Adjust for maximum.
8. 90MC	Tune to signal.	"	A20, A21, A22.	Rock tuning and adjust for maximum. Repeat steps 7 and 8 until no further improvement can be made.

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

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

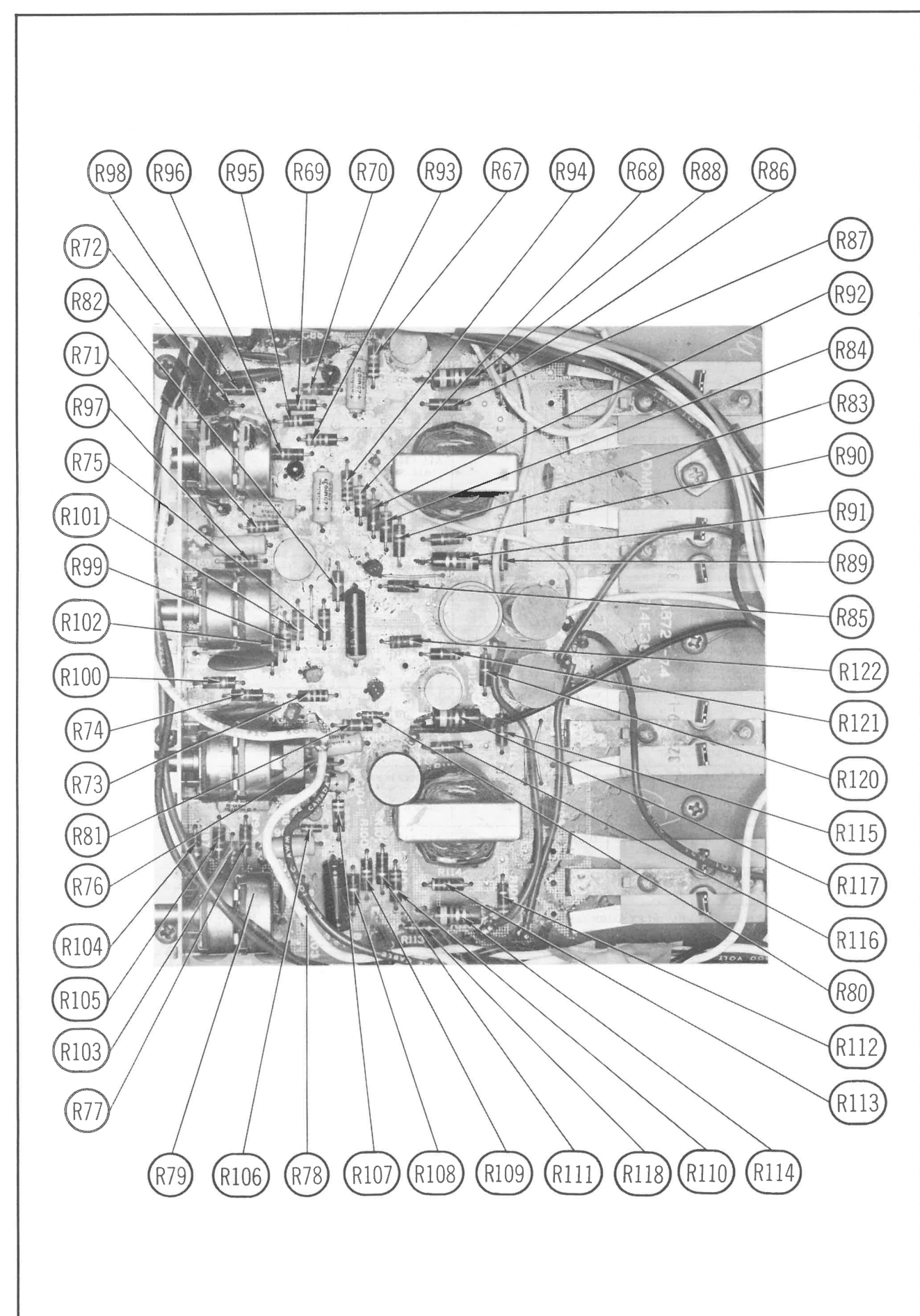
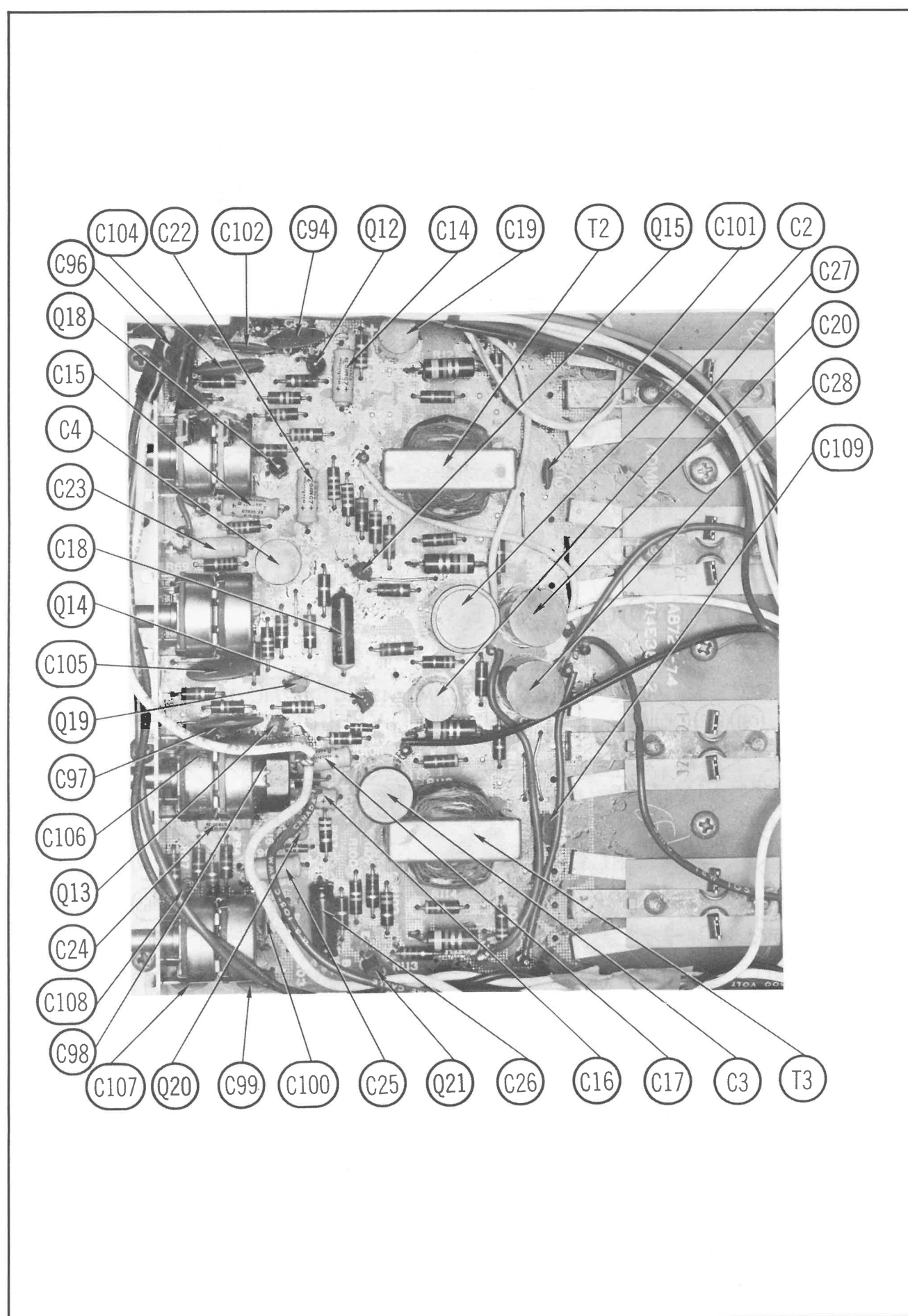
GENERATOR FREQUENCY	INDICATOR	ADJUST	REMARKS
9. 19KC	Vert. amp. thru 47K to point C; low side to ground.	A23, A24.	Adjust for maximum.
10. "	Vert. amp. thru 47K to point C; low side to ground.	A25, A26.	Adjust maximum for 38KC response.
11. Modulated Left Channel	Vert. amp. to point D; low side to ground.	A23, A24, A25, A26.	Adjust for MINIMUM. This step should require only slight adjustment.
12. Modulated Right Channel	Vert. amp. to point E; low side to ground.		Check for MINIMUM. Make compromise adjustments, of A23, A24, A25 and A26, 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 12 above.



ADMIRAL
CHASSIS 24A3A/3B

FOLDER 4



TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA			NOTES	ADMIRAL PART No.
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.		
Q1		FM RF Amp.	DS-41			PNP	57C5-1
Q2		FM Mixer	DS-41			PNP	57C5-2
Q3		FM Oscillator	DS-41			PNP	57C5-4
Q4		1st FM IF	DS-56	GE-9		PNP	57C5-3
Q5		AM Converter	DS-25	GE-1		PNP	57C5-5
Q6		1st AM-2nd FM IF	DS-56	GE-9		PNP	57C5-3
Q7		2nd AM-3rd FM IF	DS-56	GE-9		PNP	57C5-3
Q8		MPX Input Amp.	DS-26	GE-2		PNP	57C6-1
Q9		19KC Amp.	DS-26	GE-2		PNP	57C6-1
Q10		38KC Amp.	DS-26	GE-2		PNP	57C6-1
Q11		Stereo Ind. Amp.	DS-26	GE-2		PNP	57C6-1
Q12		AF Amp.	DS-66	GE-10		NP	57C6-4
Q13		AF Amp.				NP	57C6-4
Q14		AF Amp.				NP	57C6-15
Q15		Driver				NP	57C6-15
Q16	40051	Output	DS-520	GE-3		PNP ♦ ①	57C6-15
Q17	40051	Output	DS-520	GE-3		PNP ♦ ①	57C6-12
Q18		AF Amp.	DS-66	GE-10		NP	57C6-4
Q19		AF Amp.				NP	57C6-15
Q20		AF Amp.				NP	57C6-15
Q21		Driver				NP	57C6-15
Q22	40051	Output	DS-520	GE-3		PNP ♦ ①	57C6-12
Q23	40051	Output	DS-520	GE-3		PNP ♦ ①	57C6-12

♦ When replacing, apply silicone grease to both sides of insulator. Tighten mounting screws securely.
① Matched Pair.

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	.100A (Max)	93C42-2	GE-504A or GE-505	SD500 or 5A4-D	A100 or CTN100 ①	SK-3016 or SK-3017	F-4 or S-5981-N ①
X2	.100A (Max)	93C42-2	GE-504A or GE-505	SD500 or 5A4-D	A100 or CTN100 ①	SK-3016 or SK-3017	F-4 or S-5981-N ①
X3	.030A	93C42-2	GE-504A or GE-505	SD500 or 5A4-D	A100 or 1N537	SK-3016 or SK-3017	F-4 or 40C
X4		93B36-1					
X5		93B27-1	1N60	1N60			
X6		93C25-2 ② (1N542)	1N60	1N542 ②			
X7		93C25-2 ② (1N542)	1N60	1N542 ②			
X8		93B27-1	1N60	1N60			
X9		93C27-3	1N60	1N60			
X10		93C27-3	1N60	1N60			
X11		93C27-3	1N60	1N60			
X12		93C27-3	1N60	1N60			
X13	.007A	93C39-2 (1N759)		Z-1014	ZA12A		.4T12A

① A single unit replacement for X1 and X2. ② X6, X7 matched pair of 1N541's.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA					
	CAP.	VOLT.	ADMIRAL PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	1000	50	67D7-173 (67C7-173)	AFH1-14	AA0174	XC1-27	EP066.5	TVL-1338
C2	500	30	67B32-48 (67C32-48)	PRS1390	BR500-50		TC50050	TVA-1315
C3	500	35	67B32-49 (67C32-49)	PRS1390	BR500-50		TC50050	TVA-1315
C4	200	15	67B32-37 (67C32-37)	BCD20200	NLW200-15	MT1-23	TT15X200	TE-1164
C5	750	20	67B35-41 (67C38-41)	PRS1290 & PRS1280	BR500-25 & BR250-25	QT1-31 & QT1-28	TC2505 & TC50025	TVA-1209 & TVA-1208
C6	500	15	67D35-43	PRS1220	BR500-15	QT1-30	TC1505	TVA-1162
C7	10	15	67B32-47 (67C32-47)	BCD15010	NLW10-15	MT1-5	PET1760	VL-1167
C8	100	10	67B35-11 (67C35-11)	CRE423A	NLW100-12	MT1-19	TT10X100	VL-1140
C9	8	15	67B35-39 (67C35-39)	CRE456A	NLW8-25	MT1-5	TT15X8	TE-1154
C10	8	15	67B35-39 (67C35-39)	CRE456A	NLW8-25	MT1-5	TT15X8	TE-1154
C11	8	15	67B35-39 (67C35-39)	CRE456A	NLW8-25	MT1-5	TT15X8	TE-1154
C12	90	3	67B32-10 (67C32-10)	BCD3100	NLW100-3	MT1-18	PET1400	VL-1051
C13	100	10	67B35-11 (67C35-11)	CRE423A	NLW100-12	MT1-19	TT10X100	VL-1140
C14	25	3	67B35-8 (67C35-8)	CRE212A	NLW25-3	MT1-10	TT3X25	TE-1055
C15	8	15	67B35-39 (67C35-39)	CRE456A	NLW8-25	MT1-5	TT15X8	TE-1154
C16	8	15	67B35-39 (67C35-39)	CRE456A	NLW8-25	MT1-5	TT15X8	TE-1154
C17	8	15	67B35-39 (67C35-39)	CRE456A	NLW8-25	MT1-5	TT15X8	TE-1154
C18	20	15	67B35-36 (67C35-36)	CRE461A	NLW20-15	MT1-10	TT15X20	TE-1157
C19	100	25	67B32-45 (67C32-45)	CRE623A	NLW100-25	MT1-20	TT25X100	TE-1211
C20	500	30	67B32-48 (67C32-48)	PRS1390	BR500-50		TC50050	TVA-1315

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA					
	CAP.	VOLT.	ADMIRAL PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C21	4	35NP	67C40-4	NP-PRS7405	BRNP4-50	NPQT-2	TCN504	TVAN-1302.5
C22	25	3	67B35-8 (67C35-8)	CRE212A	NLW25-3	MT1-10	TT3X25	TE-1055
C23	8	15	67B35-39 (67C35-39)	CRE456A	NLW8-25	MT1-5	TT15X8	TE-1154
C24	8	15	67B35-39 (67C35-39)	CRE456A	NLW8-25	MT1-5	TT15X8	TE-1154
C25	8	15	67B35-39 (67C35-39)	CRE456A	NLW8-25	MT1-5	TT15X8	TE-1154
C26	20	15	67B35-36 (67C35-36)	CRE461A	NLW20-15	MT1-10	TT15X20	TE-1157
C27	100	25	67B32-45 (67C32-45)	CRE623A	NLW100-25	MT1-20	TT25X100	TE-1211
C28	500	30	67B32-48 (67C32-48)	PRS1390	BR500-50		TC50050	TVA-1315
C29	4	35NP	67C40-4	NP-PRS7405	BRNP4-50	NPQT-2	TCN504	TVAN-1302.5

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.	
C30	10	NPO	5%	#65B26-13	NPO-DI10	DTZ-10	CZ601CG100J	CCTO-100	CN0410	10TCC-Q10	
C31	5		5%		DI-5	DD-050		CCD-050	GP550	10TS-V50	
C32	.002				DI-2000	DD-202	JBX601YP202K	CCD-202	GP220	10TS-D20	
C33	.002										
C34	10	NPO	5%	#65B26-13	NPO-DI10	DTZ-10	CZ601CG100J	CCTO-100	CN0410	10TCC-Q10	
C35	3.3	NPO	10%		NPO-DI3.0	DTZ-3R3		CCTO-3R3	CN0533	10TCC-V30	
C36	2	NPO	10%		NPO-DI2.2	DTZ-2R2	CZ601CJ2R2D	CCTO-2R2	CN0522	10TCC-V22	
C37	330	125V	5%			CPR-330J	CD15F331J500	DM-15-331	SK333	MS-333	
C38	.002			#65B26-13	DI-2000	DD-202	JBX601YP202K	CCD-202	GP220	10TS-D20	
C39	.002										
C40	39	NPO	5%		NPO-DI39	TCZ-39		CCTO-390	CN0439	10TCC-Q39	
C41	.005	50V			TTD-005	CK-502	HCZ3R0XR502P	CCD-502	TA250	TG-D50	
C42	8.2	N470	5%	#65D10-218 #65C26-13 #65B26-13				*	*	10TCT-V82	
C43	5	NPO	5%		NPO-DI5.0	DTZ-4R7	CZ601CH5R0D	CCTO-050	CN0547	10TCC-V50	
C44	4	NPO	5%								10TCC-V39
C45	.002										
C46	.002				BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120	10TS-S20	
C47	.02	100V			TTD-005	CK-502	HCZ3R0XR502P	CCD-502	TA250	TG-D50	
C48	.005	50V			NPO-DI39	TCZ-39		CCTO-39	CN0439	10TCC-V39	
C49	39	NPO	5%		NPO-DI2.2	DTZ-2R2	CZ601CJ2R2D	CCTO-2R2	CN0522	10TCC-V22	
C50	2				TTD-01	CK-103	HCZ3R0XR103P	CCD-103	TA110	TG-S10	
C51	.01	50V			BPD-02	DD-203	BYT601ZU203Z	CCTO-203	GP120	10TS-S20	
C52	.02	100V			NPO-DI 6.8	DTZ-6R8	CZ601CH6R8D	CCTO-6R8	CN0568	10TCC-V68	
C53	6.8	NPO			DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10	
C54	.01				BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120	10TS-S20	
C55	.02				BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120	10TS-S20	
C56	.02	100V			BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120	10TS-S20	
C57	.0013		5%		ADM-20-132	CPR-1300J	CD19F132J500	DM-19-132	SK213	MS-213	
C58	.02	100V		(.02)†	BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120	10TS-S20	
C59	.02	100V			BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120	10TS-S20	
C60	.1	100V					HOV101ZV104Z	CCD-203	GP120	10TS-S20	
C61	.1	100V					HOV101ZV104Z	CCD-203	GP120	10TS-S20	
C62	.01	50V		(.1)†	TTD-01	CK-103	HCZ3R0XR103P	CCD-103	TA110	TG-S10	
C63	.0013		5%		ADM-20-132	CPR-1300J	CD19F132J500	DM-19-132	SK213	MS-213	
C64	10	NPO	5%		NPO-DI10	DTZ-10	CZ601CG100J	CCTO-100	CN0410	10TCC-Q10	
C65	.002		5%		ADM-20-202	CPR-2000J	CD19F202J500	DM-19-202	SK220	MS-22	
C66	.02	100V			BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120	10TS-S20	
C67	.01	50V			TTD-01	CK-103	HCZ3R0XR103P	CCD-103	TA110	10TS-S20	
C68	.1	100V					HOV101ZV104Z	CCD-203	GP120	10TS-S20	
C69	.02	100V			BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120	10TS-S20	
C70	.0036	630V	5%	#65C80-30							
C71	2.2	N750	5%								
C72	330	125V	5%								
C73	330	125V	5%								
C74	300			#65C80-26							
C75	.02	100V			BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120	10TS-S20	
C76	180	630V	5%								
C77	270	125V	5%								
C78	220	125V	5%		ADM-15-221	CPR-270J	CD15F271J500	DM-15-271	SK327	MS-327	
C79	220	125V	5%		ADM-15-221	CPR-220J	CD15F221J500	DM-15-221	SK322	MS-322	
C80	.1	75V					HOV101ZV104Z	DM-16-681	SK368	5GA-P10	
C81	680		5%		ADM-20-681	CPR-680J	CD19F681J500				5GA-P10
C82	.1										
C83	.1										
C84	.001										
C85	.05	50V									
C86	.05	50V			TTD-05	CK-503	HCZ3R0XR503P	DM-19-102	SKX210	MS-210	
C87	.0039	125V	5%		TTD-05	CK-503	HCZ3R0XR503P		TA150	TG-S50	
C88	.0039	125V	5%		ADM-20-392	CPR-3900J	CD19F392J500	DM-19-392	SKX239	MS-239	
C89	220		5%		ADM-20-392	CPR-3900J	CD19F392J500	DM-19-392	SKX239	MS-239	
C90	220		5%		DI-220	DD-221	JBZ601YP221K	CCD-221	GP322	10TS-T22	
C91	.001		10%		DI-1000	DD-102	JBX601YP221K	CCD-102	GP210	10TS-T22	
C92	.01				DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10	
C93	.01				DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110	10TS-S10	
C94	.05	50V			TTD-05	CK-503	HCZ3R0XR503P		TA150	TG-S50	
C95	100	N1500						*	*		
C96	.47	10V									
C97	.47	10V									
C98	.005	50V			TTD-005	CK-502	HCZ3R0XR502P	CCD-502	TA250	TG-D50	
C99	.02	100V			BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120	10TS-S20	
C100	.02	100V			BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120	10TS-S20	
C101	.005	50V			TTD-005	CK-502	HCZ3R0XR502P	CCD-502	TA250	TG-D50	
C102	.05	50V			TTD-05	CK-503	HCZ3R0XR503P		TA150	TG-S50	
C103	100	N1500						*	*		
C104	.47	10V									
C105	.47	10V									
C106	.005	50V			TTD-005	CK-502	HCZ3R0XR502P	CCD-502	TA250	TG-D50	
C107	.02	100V			BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120	10TS-S20	
C108	.02	100V			BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120	10TS-S20	
C109	.005	50V			TTD-005	CK-502	HCZ3R0XR502P	CCD-502	TA250	TG-D50	
C110	.01	1.4KV			CI-103		ACT14ZU2U103P		UAC110	125L-S10	
C111	.01	1.4KV			CI-103		ACT14ZU2U103P		UAC110	125L-S10	
C112	.005				DI-5000	DD-502	JB7601YP502K	CCD-502	GP250	10TS-S20	
C113	.02	100V			BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120	10TS-D50	
C114	.8-5			#66C47-5 #68C106-2							
C115											

PARTS LIST AND DESCRIPTION

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

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA				
	CAP.	VOLT.	ADMIRAL PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.
C21	4	35NP	67C40-4	NP-PRS7405	BRNP4-50	NPQT-2	TCN504
C22	25	3	67B35-8 (67C35-8)	CRE212A	NLW26-3	MT1-10	TT3X25
C23	8	15	67B35-39 (67C35-39)	CRE456A	NLW8-25	MT1-5	TT15X8
C24	8	15	67B35-39 (67C35-39)	CRE456A	NLW8-25	MT1-5	TT15X8
C25	8	15	67B35-39 (67C35-39)	CRE456A	NLW8-25	MT1-5	TT15X8
C26	20	15	67B35-36 (67C35-36)	CRE461A	NLW20-15	MT1-10	TT15X20
C27	100	25	67B32-45 (67C32-45)	CRE623A	NLW100-25	MT1-20	TT25X100
C28	500	30	67B32-48 (67C32-48)	PRS1390	BR500-50	MT1-20	TC50050
C29	4	35NP	67C40-4	NP-PRS7405	BRNP4-50	NPQT-2	TCN504

CAPACITORS

ITEM No.	RATING		REMARKS	REPLACEMENT DATA				
	CAP.	VOLT.		AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.
C30	10	NPO	5%	NPO-DI10	DTZ-10	CZ601CG100J	CCTO-100	CN0410
C31	5		5%	DI-5	DD-050	JBX601YP202K	CCD-050	GP550
C32	.002			DI-2000	DD-202		CCD-202	GP220
C33	.002		#65B26-13					
C34	10	NPO	5%	NPO-DI10	DTZ-10	CZ601CG100J	CCTO-100	CN0410
C35	3.3	NPO	10%	NPO-DI3.0	DTZ-3R3	CZ601CJ2R2D	CCTO-3R3	CN0533
C36	2	NPO	10%	NPO-DI2.2	DTZ-2R2	CD15F331J500	CCTO-2R2	CN0522
C37	330	125V	5%		CPR-330J	CD15F331J500	DM-15-331	SX333
C38	.002			DI-2000	DD-202	JBX601YP202K	CCD-202	GP220
C39	.002		#65B26-13					
C40	39	NPO	5%	NPO-DI39	TCZ-39	HCZ3R0XR502P	CCTO-390	CN0439
C41	.005	50V		TTD-005	CK-502		CCD-502	TA250
C42	8.2	N470	5%				*	
C43	5	NPO	5%	NPO-DI5.0	DTZ-4R7	CZ601CH5R0D	CCTO-050	CN0547
C44	4	NPO	5%					
C45	.002		#65D10-218					
C46	.002		#65C26-13					
C47	.02	100V		BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120
C48	.005	50V		TTD-005	CK-502	HCZ3R0XR502P	CCD-502	TA250
C49	39	NPO	5%	NPO-DI39	TCZ-39		CCTO-39	CN0439
C50	2			NPO-DI2.2	DTZ-2R2	CZ601CJ2R2D	CCTO-2R2	CN0522
C51	.01	50V		TTD-01	CK-103	HCZ3R0XR103P	CCD-103	TA110
C52	.02	100V		BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120
C53	6.8	NPO		NPO-DI6.8	DTZ-6R8	CZ601CH6R8D	CCTO-6R8	CN0568
C54	.01			DI-10000	DD-103	BYX601ZU103M	CCD-103	GP110
C55	.02			BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120
C56	.02	100V		BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120
C57	.0013	5%		ADM-20-132	CPR-1300J	CD19F132J500	DM-19-132	SX213
C58	.02	100V		BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120
C59	.02	100V		BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120
C60	.1	100V		BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120
C61	.1	100V		BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120
C62	.01	50V						
C63	.0013	5%		TTD-01	CK-103	HCZ3R0XR103P	CCD-103	TA110
C64	10	NPO	5%	ADM-20-132	CPR-1300J	CD19F132J500	DM-19-132	SX213
C65	.002	5%		NPO-DI10	DTZ-10	CZ601CG100J	CCTO-100	CN0410
C66	.02	100V		ADM-20-202	CPR-2000J	CD19F202J500	DM-19-202	SX220
C67	.01	50V		BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120
C68	.1	100V		TTD-01	CK-103	HCZ3R0XR103P	CCD-103	TA110
C69	.02	100V		BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120
C70	.0036	630V	5%					
C71	2.2	N750	5%					
C72	330	125V	5%		CPR-330J	CD15F331J500	DM-15-331	SX333
C73	330	125V	5%		CPR-330J	CD15F331J500	DM-15-331	SX333
C74	300				TCZ-300			
C75	.02	100V		BPD-02	DD-203	BYT601ZU203Z	CCD-203	GP120
C76	180	630V	5%					
C77	270	125V	5%					
C78	220	125V	5%					
C79	220	125V	5%					
C80	.1	75V						
C81	680	5%						
C82	.1							
C83	.1							
C84	.001	5%						
C85	.05	50V						
C86	.05	50V						
C87	.0039	125V	5%					
C88	.0039	125V	5%					
C89	220	5%						
C90	220	5%						
C91	.001	10%						
C92	.01							
C93	.01							
C94	.05	50V						
C95	100	N1500						
C96	.47	10V						
C97	.47	10V						
C98	.005	50V						
C99	.02	100V						
C100	.02	100V						
C101	.005	50V						
C102	.05	50V						
C103	100	N1500						
C104	.47	10V						
C105	.47	10V						
C106	.005	50V						
C107	.02	100V						
C108	.02	100V						
C109	.005	50V						
C110	.01	1.4KV						
C111	.01	1.4KV						
C112	.005							
C113	.02	100V						
C114	.8-5		#66C47-5					
C115			#68C106-2					

* Not normally in distributor's stock. Available thru distributor on order to manufacturer.
Admiral Part Number. † Alternate Value.

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/Right	25K	75D46-78			B19-119X, B19-119X, SK1, QCM	
B	Loudness/Left	5000Ω Tap 25K 5000Ω Tap					
R2A	Balance/Right	25K	75D46-61			B17-120, B13-120, SK1, QCM	FA253R, RU253A, CS3500
B	Balance/Left	25K					
R3A	Treble/Right	100K	75D46-63			BU11, CF13, CR8, SS17, K *	
B	Treble/Left Switch	100K					
R4A	Bass/Right	100K	75D46-59	F1-100K, R1-100K, SF204, CPL-2	NP-100K-S, NR-100K-S, UP-B-400, DC-2, TT-2	B11-128, B11-128, SK1, QCM or (BU11, CF13, CR8, SS1, SS7A, DC1)* X201R102B	FA15L, RU15L, CS3500
B	Bass/Left	100K					
R5	Multiplex Control	1000Ω	75D101-1 (75B101-1)				MTC13L1

* "SNAPTROL"

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA			ITEM No.	RATING	REPLACEMENT DATA		
		IRC PART No.	WORKMAN PART No.	ADMIRAL PART No.			IRC PART No.	WORKMAN PART No.	ADMIRAL PART No.
R88	.47Ω 2W	BWH-.47	WS-.47	60B28-93	R114	.47Ω 2W	BWH-.47	WS-.47	60B28-93
R91	.47Ω 2W	BWH-.47	WS-.47	60B28-93	R117	.47Ω 2W	BWH-.47	WS-.47	60B28-93
					R119	.47Ω 2W	BWH-.47	WS-.47	60B28-93

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				
		ADMIRAL PART No.	MEISSNER Part No.	MERIT PART No.	MILLER PART No.	WORKMAN PART No.
L1	FM Balun	700C544-1				
L2	FM Antenna	69C301-1				
L3	FM RF	69C301-2				
L4	RF Choke, (718uh)	73C58-1	19-2007	BC-560	4590	T803
L5	FM Oscillator	69C301-3				
L6	RF Choke (10uh)	73C31-4	19-1010		4622	T861
L7	1st FM IF	72D271-1				
L8	Loopstick	69C324-2				
L9	AM Oscillator	69C223-11	14-1060	BC-387	70-Osc.	T502
L10	2nd FM IF	72D265-1				
L11	1st AM IF	72D267-1				
L12	3rd FM IF	72D265-2				
L13	2nd AM IF	72D267-2				
L14	Ratio Det.	72D266-3				
L15	3rd AM IF	72D267-3				
L16	RF Choke (27uh)	73C31-3	19-6022	TV-192	72F275AP	T360
L17	67KC Trap	73C8-15				
L18	67KC Trap	73C8-15				
L19	19KC	69C322-1				
L20	19KC	69C274-7				
L21	38KC	72D237-9				
L22	RF Choke (10uh)	73C31-4	19-1010		4622	T861
L23	RF Choke (10uh)	73C31-4	19-1010		4622	T861

TRANSFORMER (POWER)

ITEM No.	RATING			REPLACEMENT DATA					NOTES
	PRI.	SEC. 1	SEC. 2	ADMIRAL PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	117V AC @ .14A AC	62V AC CT @ .2A DC	12.6V AC @ .3A DC Tap @ 6.3V AC @ .6A AC	80D90-1 (C)					

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO			REPLACEMENT DATA					NOTES
	PRI.	SEC. 1	SEC. 2	ADMIRAL PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T2	3.5	1	1	79D105-1					
T3	3.5	1	1	79D105-1					

SPEAKER

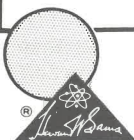
ITEM No.	TYPE			REPLACEMENT DATA		NOTES
				ADMIRAL PART No.	QUAM PART No.	
SP1	12"	PM	6-8Ω	78C153-15	12A6PA	① Used in Models: YG8131, YG8145, YG8153. ② Used in Models: YG401, TM421.
SP2	3 1/2"	PM	6-8Ω	78D148-13	3A05Z8	
SP3	3 1/2"	PM	6-8Ω	78D148-13	3A05Z8	
SP4	12"	PM	6-8Ω	78C153-15	12A6PA	
SP5	3 1/2"	PM	6-8Ω	78D148-13	3A05Z8	
SP6	3 1/2"	PM	6-8Ω	78D148-13	3A05Z8	
	3 1/2"	PM	30Ω	78C148-14	3A05Z30	
	5"	PM	8Ω	78C161-4	5A05Z8	
	Horn		8Ω	78C200-3		
	Horn		8Ω	78C200-2		
	8"	PM	8Ω	78C151-11		

COMPONENT COMBINATIONS

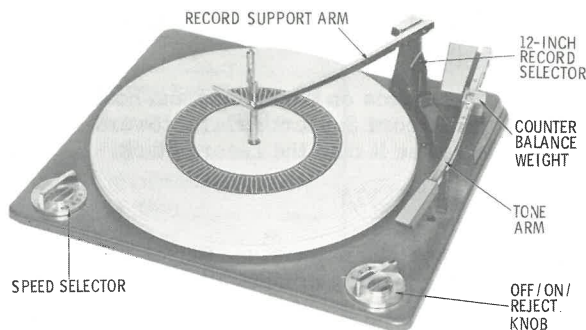
ITEM No.	USE	DESCRIPTION	ADMIRAL PART No.	REPLACEMENT DATA
PC1	MPX Detector Network	35K	63C9-8	Centralab PA-410 Aerovox PA-772
PC2	MPX Detector Network	35K	63C9-8	Centralab PA-410 Aerovox PA-772

FUSE DEVICES

ITEM No.	TYPE	RATING	REPLACEMENT DATA						
			PART No.		LITTELFUSE PART No.		BUSS PART No.		
			FUSE	HOLDER	FUSE	HOLDER	FUSE	HOLDER	
F1	3AG Pigtail	1A @ 250V	87A7-5		31800.1			GJV 1	



ADMIRAL RECORD CHANGER MODELS RC704/705 SERIES

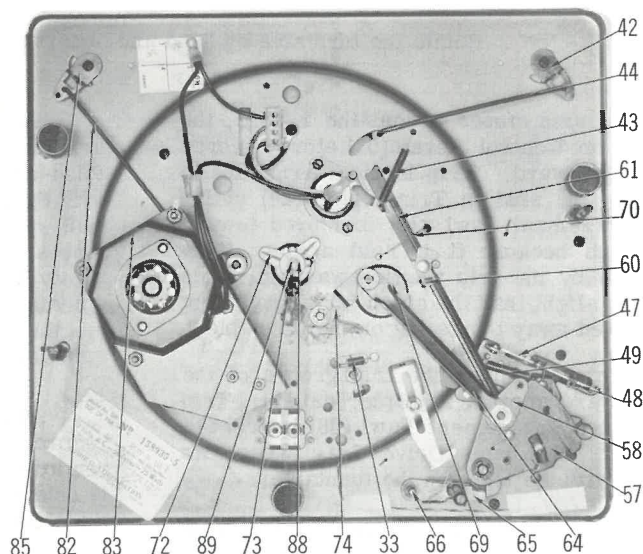
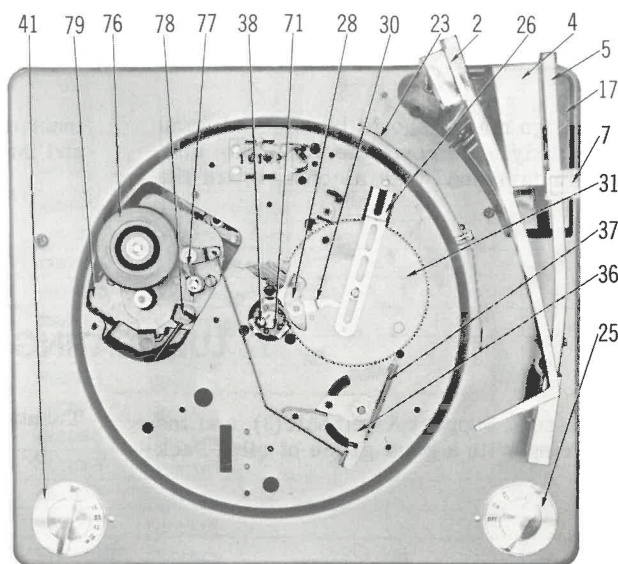


TRADE NAME: Admiral
SUPPLIER: For Current Address, see Annual Index
TYPE SET: 4-Speed Automatic Record Changer
POWER SUPPLY: 110 - 120 Volts AC, 60 Cycles

MODELS:

RC7F4E-70AN	RC7M4G-66AT
RC7F4E-86AN	RC7Q4J-63AN
RC7F4F-59AN	RC7Q4J-79AN
RC7F4F-61AO	RC7Q4J-99AN
RC7F4F-71AN	RC7W4J-99AN
RC7F4F-87AN	RC7W4L-70AN
RC7F4G-68AO	RC7W4N-70AN
RC7F4H-71AN	RC7W4N-86AN
RC7F4J-75AN	RC7W4N-94AN
RC7K4K-65AN	RC7W4P-71AN
RC7K4K-73AN	RC7W4P-87AN
RC7K4K-93AZ	RC7W4P-95AN

RC7E5A-24AU	RC7F5C-90AY
RC7E5A-80AU	RC7F5D-24AP
RC7E5B-90AY	RC7F5M-71AN
RC7E5C-90AY	RC7H5A-24H
RC7F5A-24AU	RC7M5F-67AW
RC7F5A-24H	RC7M5G-66AW
RC7F5A-74AV	RC7M5L-60AW
RC7F5A-80AU	RC7M5M-67AW
RC7F5A-82AV	RC7W5Q-71AN
RC7F5B-88AX	RC7W5Q-87AN
RC7F5B-90AY	



ADMIRAL RECORD CHANGER
MODELS RC704/705 SERIES

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. C874

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OPERATING INSTRUCTIONS

Loading

1. Lift Record Support Arm (2) straight up and swing fully to the right.
2. Place a stack of records on the spindle and hold while moving the Record Support Arm (2) toward the spindle and lower it onto the record stack.

Start

1. Turn the Off/On/Reject knob to Reject and release. The changer will automatically play and

change each record and shut off after the last record has played. The tone arm is returned to its rest.

Reject

Turn the Off/On/Reject knob to Reject and release.

Speed Selector

Turn the speed knob to the position that corresponds to the records being played.

CLEANING

Dust and foreign matter should be removed from the changer regularly. Remove the turntable and, using a clean cloth dampened with alcohol, clean the

inner drive surface of the turntable, Idler Wheel (76) and the stepped motor shaft.

LUBRICATING

Lubricate Record Support Arm Shaft (3), and the turntable hub bearing with a good grade of oil. Pack

Turntable Thrust Bearing (71) with a heavy grease.

CHANGE CYCLE

Rotate the turntable by hand and observe the change cycle.

As the tone arm moves across the record, the stud on Tone Arm Control Lever (53) slowly moves Trip Slider (26) inward. Trip Motion Arm (30) is moved slowly by the stud on Trip Slider (26) riding against it. Engagement Pawl (28) is moved toward the turntable hub because it is held against Trip Motion Arm (30) by the trip friction washer. This movement is so slight that the catch on Engagement Pawl (28) is moved away by the lug on the turntable.

When the stylus enters the trip groove of the record, the inward motion is rapid, causing Trip Slider (26) to move Engagement Pawl (28) in front of the lug. This action rotates Drive Gear (31) so its teeth will mesh with the teeth on the turntable.

As Drive Gear (31) rotates, Drive Eccentric (69) rotates clockwise and Drive Link (64) pivots Control Plate (57). The inclined cutout moves from beneath Lift Arm (56) as Control Plate (57) pivots and raises the tone arm from the record. Safety Arm (58) moves with Control Plate (57) and the stud on Safety Arm (58) engages Tone Arm Control Lever (53), moving the tone arm to the right.

After the tone arm clears the turntable, Drive Eccentric (69) engages Push-off Link (74), moving Push-off Lever (73) so it engages Safety Spring (68) with Push-off Adjustment Nut (89) on the end of the push-off shaft in the spindle. As Drive Eccentric (69) moves Push-off Link (74), Push-off Lever (73) causes Safety Spring (68) to move the push-off shaft up into the spindle, causing the push-off shaft to engage the ejector and moving it up and out at the shelf of the spindle.

The ejector engages the center hole of the bottom record and moves the record with it, dropping the record onto the turntable. The remainder of the stack is held on the shelf by the spindle slide which is above the ejector.

Push-off Return Spring (88) returns Safety Spring (68), Push-off Lever (73) and Push-off Link (74) to their out-of-cycle position and permits the ejector to return to its original position for the next record pushoff when Drive Eccentric (69) starts its second half of the change cycle.

During the second half of the cycle, the tone arm, which is connected to Tone Arm Control Lever (53), is moved over the lead-in groove of the record. Tone Arm Control Lever (53) is pressed against Cork Friction Washer (52) by Set-down Engagement Spring (54). Set-down Arm Return Spring (49) pulls Set-down Arm (51) toward the spindle.

Lift Arm (56) lowers as Control Plate (57) is returned to its original position by Drive Link (64), lowering the tone arm onto the record.

The set-down position of the tone arm is automatically determined for each record size by Set-down Index (47). As the stud on Safety Arm (58) moves Set-down Arm (51), the pin on Set-down Arm (51) releases Set-down Index (47) so it can pivot by its own weight. This action lifts the index finger to the edge of the turntable.

When 7-inch records are being changed, Set-down Index (47) pivots its full extent. The index pin on set-down Arm (51) is then permitted to enter the proper slot for 7-inch set-down.

Set-down Arm Return Spring (49) pulls Set-down Arm (51) toward the spindle and the pin on Set-down Arm (51) is permitted to move in to the end of the index slot.

On models with 11-inch turntables, a 10-inch record covers the set-down button and obstructs its rise. This positions the pin on Set-down Arm (51) so it enters the 10-inch set-down slot.

On models with 9-inch turntables, a 10-inch record extends beyond the turntable. The index finger then feels the edge of the record, positioning the pin on Set-down Arm (51) so it enters the 10-inch set-down slot.

The 12-inch Set-down Slide (22) is reset at the beginning of each change cycle by the pin on Safety Arm and Stud Assembly (58). A roller on the bottom baseplate, attached to 12-inch Set-down Slide (21), is actuated by the pin on Safety Arm and Stud Assembly (58).

Ten- and twelve-inch records may be intermixed because the set-down button will always feel a record. The 12-inch Set-down Trigger Cocking Spring (19) will correct this action for a 12-inch record.

When the last record drops onto the turntable, Record Support Arm (2) will drop 3/16-inch and lower Shut-off Delay Stop (65). The shut-off link control arm on Shut-off Link (61) pivots with Shut-off Arm Spring (63) which is fastened to Control Plate (57). Shut-off Link (61) is positioned in line with the stud on Reject Arm (36) when the shut-off link control arm pulls Shut-off Link (61) into engagement with its cam.

The stop on Shut-off Link (61) is moved into the path of the stud on Tone Arm Control Lever (53) as it is pulled toward Control Plate (57).

When Control Plate (57) begins to return in the second half of the cycle, it moves Shut-off Link (61) so it opens the AC switch. Simultaneously, the Off/On/Reject knob is moved to Off and the automatic pull-out wire, which is connected to Reject Arm (36) and Idler Wheel Assembly (76), pivots Idler Wheel Assembly (76), disengaging it from the motor pulley and turntable.

Tone Arm Control Lever (53) is held by the stop on Shut-off Link (61) and the tone arm is held above its rest post while Control Plate (57) is going through the last half of the change cycle. The tone arm lowers onto its rest post when the inclined cutout moves under Lift Arm (56).

ADJUSTMENTS

Set-Down

1. Place a 10-inch record on the spindle and select the 16-rpm speed.
2. Move the Off/On/Reject knob to Reject and release.
3. Move the Off/On/Reject knob to Off just before the stylus touches the record.
4. Measure the distance between the stylus and the near side of the spindle. It should be $4 \frac{5}{8}$ to $4 \frac{11}{16}$ inches. Adjust Screw (16) as required.
5. The setdown for 7- and 12-inch records should be correct; however, a compromise adjustment may be required in some instances.

Push-Off

1. Turn the Off/On/Reject knob to Reject and release. Rotate the turntable by hand until Drive

Eccentric (69) engages Push-off Link (74). Continue rotating the turntable until Push-off Link (74) travels its full distance. At this point, Push-off Lever (73) will have traveled its full distance.

2. The gap between the flat surface of Nylon Nut (89) and Safety Spring (68) should be within the maximum limits of .002 to .012 inch with a slight force exerted on the nut toward the changer pan.

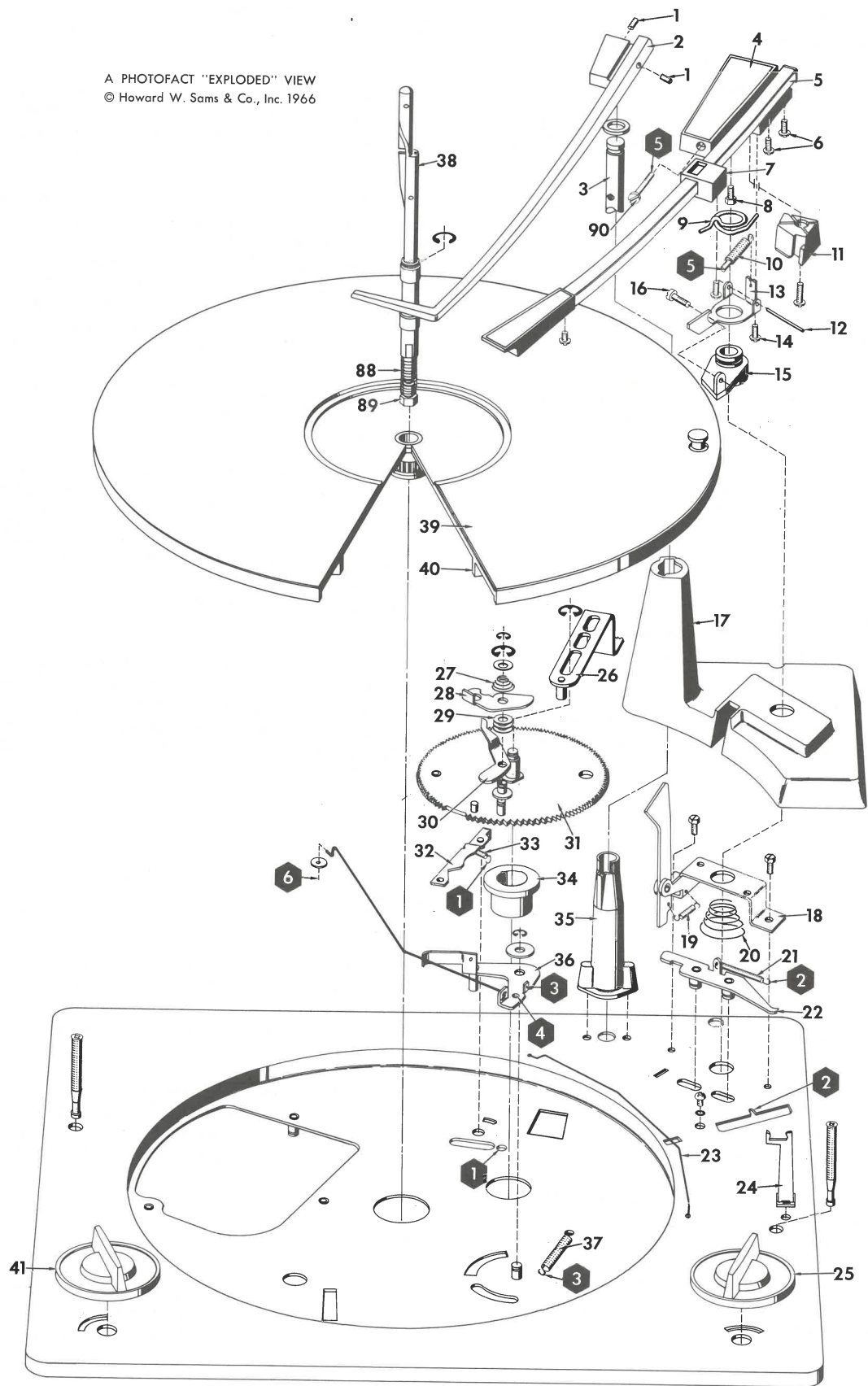
Height

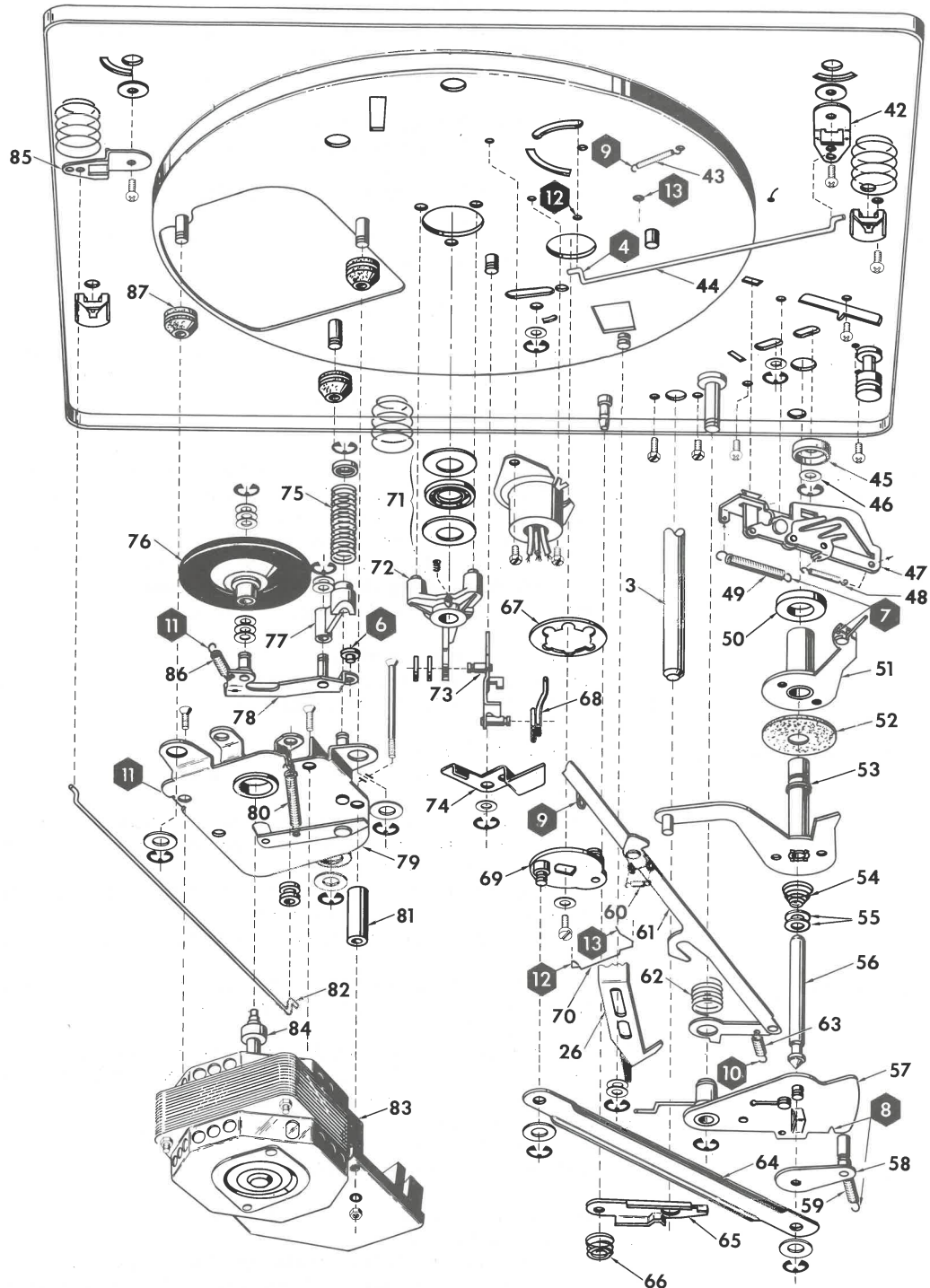
Adjust Screw (8) for a clearance of 3/16 to 1/4 inch between the top surface of the tone arm head and the bottom record of the stack on the spindle.

Tracking Pressure

Adjust Screw (90) to the pressure recommended by the cartridge manufacturer.

A PHOTOFACT "EXPLODED" VIEW
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A PHOTOFACT "EXPLODED" VIEW
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TROUBLE CHART

IMPORTANT : Before consulting this chart be sure all servicing procedures listed on page 4 have been followed.

SYMPTOM	REMARKS
Tone arm will not set down properly.	<ol style="list-style-type: none"> 1. Tone arm setdown misadjusted. 2. Set-down Index (47) binding or not engaging the set-down cam. 3. Set-down Index Bracket loose. 4. Set-down Wire Cam broken or binding.
Changer trips into cycle continuously.	<ol style="list-style-type: none"> 1. Gear Index Spring (33) tension too great. 2. Trip Slider Return Spring on Control Plate (57) bent. 3. Trip Slider (26) bent. 4. Gear Index Arm Assembly (32) binding.
Changer stalls in cycle.	<ol style="list-style-type: none"> 1. Idler Wheel (76) and inside rim of turntable dirty. 2. Push-Off adjustment incorrect. 3. Changer not properly lubricated. 4. Idler Wheel (76) worn.
Changer trips before finishing record.	<ol style="list-style-type: none"> 1. Foreign matter between Trip Motion Arm (30) and Engagement Pawl (28). 2. Trip Slider Return Spring bent. 3. Trip Slider (26) bent.
Changer will not shut off automatically or shuts off before the last record plays.	<ol style="list-style-type: none"> 1. Record Support Arm Shaft (3) binding in bearing in tone arm base. 2. Insufficient tension in Shut-off Engagement Spring (66). 3. Shut-off Delay Stop (65) binding. 4. Cam on Shut-off Link and Arm binding. 5. Shut-off Link (61) or Control Plate (57) binding. 6. Shut-off Arm Spring (63) tension insufficient. 7. Record Support Arm (2) bent.
Records will not drop or more than one drops at a time.	<ol style="list-style-type: none"> 1. Spindle (38) worn or dirty. 2. Push-off Return Spring (88) weak. 3. Push-off Adjustment incorrect.
Stylus skips grooves on the record.	<ol style="list-style-type: none"> 1. Record dirty or damaged. 2. Changer not level or wrong needle being used. 3. Stylus worn. 4. Binding between the bearing and tone arm base, or between the shaft of Tone Arm Control Lever (53) and shaft of Set-down Arm (51). 5. Trip Slider (26) dirty. 6. Binding between Trip Motion Arm (30) and Engagement Pawl (28). 7. Tone Arm vertical hinge too tight. 8. Tone arm does not float properly with changer out of cycle.
Changer will not trip.	<ol style="list-style-type: none"> 1. Bearing binding at tone arm base, or Tone Arm Control Lever (53) and shaft of Set-down Arm (51) binding. 2. Trip Slider (26) dirty. 3. Trip Motion Arm (30) and Engagement Pawl (28) dirty. 4. Trip Slider Return Spring on Control Plate (57) bent or loose. 5. Gear Index Arm Assembly (32) binding. 6. Drive Gear Assembly (31) binding in Bearing (34). 7. Tone Arm leads too tight. 8. Tone Arm Control Lever (53) binding.
Rumble or noise.	<ol style="list-style-type: none"> 1. Idler Wheel (76) has developed flat spots. 2. Float spring broken. 3. Speed Selector Knob (41) binding on changer pan. 4. Speed change grommet and Speed Change Link (85) binding against changer pan. 5. Set-down wire cam binding so the set-down button touches it on each revolution of the turntable. 6. Hold-down screws not turned completely down. 7. Interconnecting cables too tight. 8. Thrust Bearing (71) dirty. 9. Motor Grommets (87) defective. 10. Idler Wheel (76) tilted.

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

USED IN ALL ABOVE MODELS

USED IN ALL ABOVE MODELS

USED IN ALL ABOVE MODELS

USED IN ALL ABOVE MODEL

USED IN ALL ABOVE MODELS

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

			Models →																								
Ref. No.	Part No.	Description	RC7F4G-68AO	RC7F4F-59AN	RC7Q4J-63AN	RC7K4K-65AN	RC7F4F-61AO	RC7M4G-66AT	RC7F4F-71AN	RC7K4K-73AN	RC7F4J-75AN	RC7Q4J-79AN	RC7F4H-71AN	RC7F4E-70AN	RC7F4E-87AN	RC7F4E-86AN	RC7K4K-93AZ	RC7W4N-70AN	RC7W4N-86AN	RC7W4N-94AN	RC7W4P-71AN	RC7W4P-87AN	RC7Q4J-99AN	RC7W4J-99AN	RC7W4P-95AN	RC7W4L-70AN	
83	407C35-15	2-Pole Motor					X																				
	407C36-1	4-Pole Motor			X	X				X		X					X						X				
	407C38-1	2-Pole Motor	X	X			X		X		X		X	X	X	X											
	407C35-16	2-Pole Motor																X	X	X	X	X			X	X	X
84		Motor Pulley																									
85	401A497-2	Speed Change Link																									
86	98C15-115	Idle Spring																									
87	98C15-117	Grommets																									
88	405A1421	Push-Off Return Spring																									
89	403A87-1	Push-Off Adjustment Nut																									
90	403B128-2	Counterbalance Adjust Screw														X							X	X			

* Idler Wheel - WALSCO PART NO. 1490-03

[illegible]

			Models →																				
Ref. No.	Part No.	Description	RC7H5A-24H	RC7F5A-24H	RC7N5F-67AW	RC7F5A-74AV	RC7F5A-24AU	RC7N5G-66AW	RC7F5A-24AU	RC7F5A-80AU	RC7F5A-80AU	RC7F5A-82AV	RC7F5B-88AX	RC7F5B-90AY	RC7F5B-90AY	RC7F5C-90AY	RC7W5Q-71AN	RC7W5Q-87AN	RC7F5D-22AP	RC7N5L-60AW	RC7N5W-67AW	RC7F5M-71AN	RC7F5C-90AY
	403A140-3	On-Off-Rej. Knob														X							
35	404B68-1	Record Support Arm Bearing	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
36	400B745-1	Switch & Reject Arm Assembly	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
37	405A176-2	Reject Arm Return Spring			X		X																
	405A176-1	Reject Arm Return Spring	X	X		X	X		X	X	X	X											
	405B176-2	Reject Arm Return Spring																			X	X	X
	405B176-1	Reject Arm Return Spring											X	X	X	X	X	X	X				X
38	400B681-2	Spindle Assembly	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
39	406D37-6	Turntable Mat 9"	X	X		X	X	X	X	X	X	X											
39	406D40-1	Turntable Mat - 11"			X												X	X		X	X	X	
	406D37-8	Turntable Mat - 9"										X	X	X									
	406D37-6	Turntable Mat -9"	X	X		X	X	X	X	X	X	X				X			X				X
40	400D763-3	Turntable 11"			X			X												X	X	X	
	400C800-1	Turntable 9"	X	X		X	X		X	X	X	X				X							
	400D763-10	Turntable 11"															X	X					
	400C741-9	Turntable 9"																					X
	400C800-12	Turntable 9"										X	X	X									
41	403C140-3	Speed Selector Knob	X	X		X	X	X	X	X	X	X							X	X			X
	403C140-5	Speed Selector Knob			X																X	X	
	403A140-4	Speed Selector Knob														X							
	403A140-6	Speed Selector Knob															X	X					
	403A140-23	Speed Selector Knob										X	X	X									
47	400A653-5	Set-Down Index Assembly			X			X															
	400A653-6	Set-Down Index Assembly	X	X		X	X		X	X	X	X											
	400C653-4	Set-Down Index Assembly										X	X	X	X								X
	400C653-5	Set-Down Index Assembly															X	X		X	X	X	
	400C653-6	Set-Down Index Assembly																	X				
60	405A152-1	Shut-Off Link Return Spring	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
65	401C542-1	Shut-Off Delay Stop	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
76	98C15-114	Idler Wheel	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
83	407C38-1	2-Pole Motor			X		X	X		X		X	X	X					X			X	X
	407C35-15	2-Pole Motor			X			X												X	X		
	407C37-2	2-Pole Motor	X																				
	407D39-2	2-Pole Motor							X		X												
	407C35-15	Motor																		X	X		
	407C35-16	Motor															X	X					
	407C39-2	Motor													X	X							
90	403B128-2	Counter Balance Adjust Screw			X			X															
	1C188-213-5	Counter Balance Adjust Screw										X	X	X									
	1C188-213-58	Counter Balance Adjust Screw														X	X	X		X	X	X	X