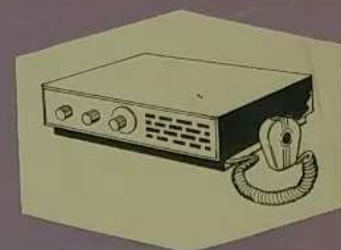


SAMS PHOTOFACT[®] CB RADIO SERIES



CB-20
20
MARCH 1969



CONTENTS

TRADE NAME AND MODEL PAGE

ALLIED

A-2507 (17B6790X) 5

BROWNING

Eaglette 15

HALLICRAFTERS

CB-21 (W/PS-20) 29

KAAR

TR337 (Skyhawk II) 43

TRADE NAME AND MODEL PAGE

LAFAYETTE

Comstat 25A
(99-3130WX) 61

MIDLAND

13-720 75

PACE

Auto-Mate 85

TRADE NAME AND MODEL PAGE

PEARCE-SIMPSON

AC Power Supply 93

REALISTIC

TRC-44B (21-106) 95

REGENCY

500 (CB-282) 105

TRUETONE

MIC4821A-86
(DX4821) 117

HOWARD W. SAMS & CO., INC.

Indianapolis, Indiana



PHOTOFACT®

For Supplier Address See PHOTOFACT Index

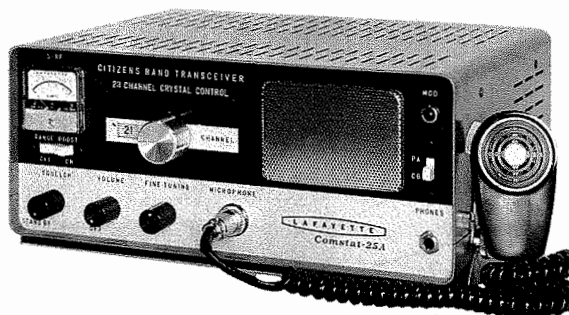
NOTE

ONLY THOSE PERSONS PROPERLY LICENSED ARE PERMITTED TO MAKE REPAIRS OR ADJUSTMENTS WHICH MAY RESULT IN ILLEGAL OPERATION. (REFER TO FCC RULES AND REGULATIONS PART 95, SUBPARTS C & D.)

The frequency of the transmitter should be checked periodically with a secondary frequency standard to insure proper and legal operation.

Best results will be obtained when adjusting the final RF output circuit if the antenna normally used is connected and the chassis is as nearly in the cabinet as possible.

Connect either 50-ohm dummy load or the normally used antenna system.



LAFAYETTE MODEL COMSTAT 25A
(99-3130WX)

ALIGNMENT INSTRUCTIONS

SUGGESTED ALIGNMENT TOOLS:

A1 thru A13, A15 thru A18, A21...GENERAL CEMENT #8606, 8869, 9302..WALSCO #2511, 2543, 2588
A14, A19, A20.....GENERAL CEMENT #8868, 9087, 9089..WALSCO #2528, 2541, 2587

RECEIVER

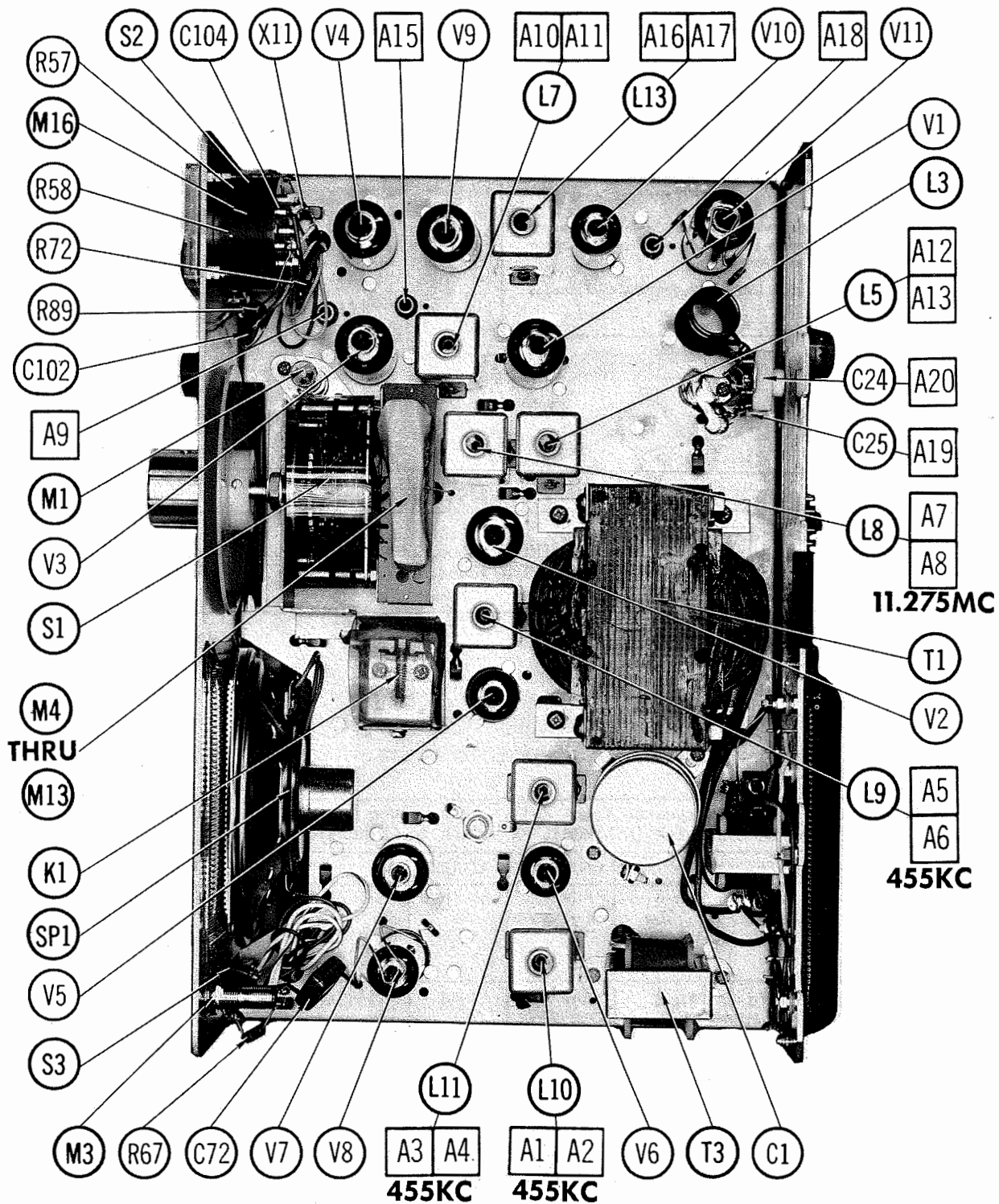
Connect an AC VTVM across speaker Voice Coil. Turn Volume Control to mid-range, Squelch Control fully counterclockwise (MINIMUM). PA switch to CB position. Set Fine Tuning to Center.

SIGNAL GENERATOR	CHANNEL	ADJUST	REMARKS
High side thru .01mfd to Pin 8 (Grid) V2A (2nd Rec Mixer), low side to Chassis. Tune to 455KC (Mod.).	Any	A1 thru A6	Adjust for maximum.
High side thru .01mfd to Pin 2 (Grid) V1B (1st Rec Mixer), low side to Chassis. Tune to 11.275MC (Mod.).	Any	A7, A8	Adjust for maximum.
	23	A9	Connect DC VTVM to Pin 9 (Grid) V3A (Local Osc) and Adjust A9 for approximately -4.5V to -8V Reading. Back off to 70% of peak reading.

(CONTINUED ON PAGE 63)

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

© 1969 Howard W. Sams & Co., Inc. Printed in U. S. of America TY366



ALIGNMENT INSTRUCTIONS (Continued)

LAFAYETTE MODEL COMSTAT 25A

RECEIVER (CONTINUED)

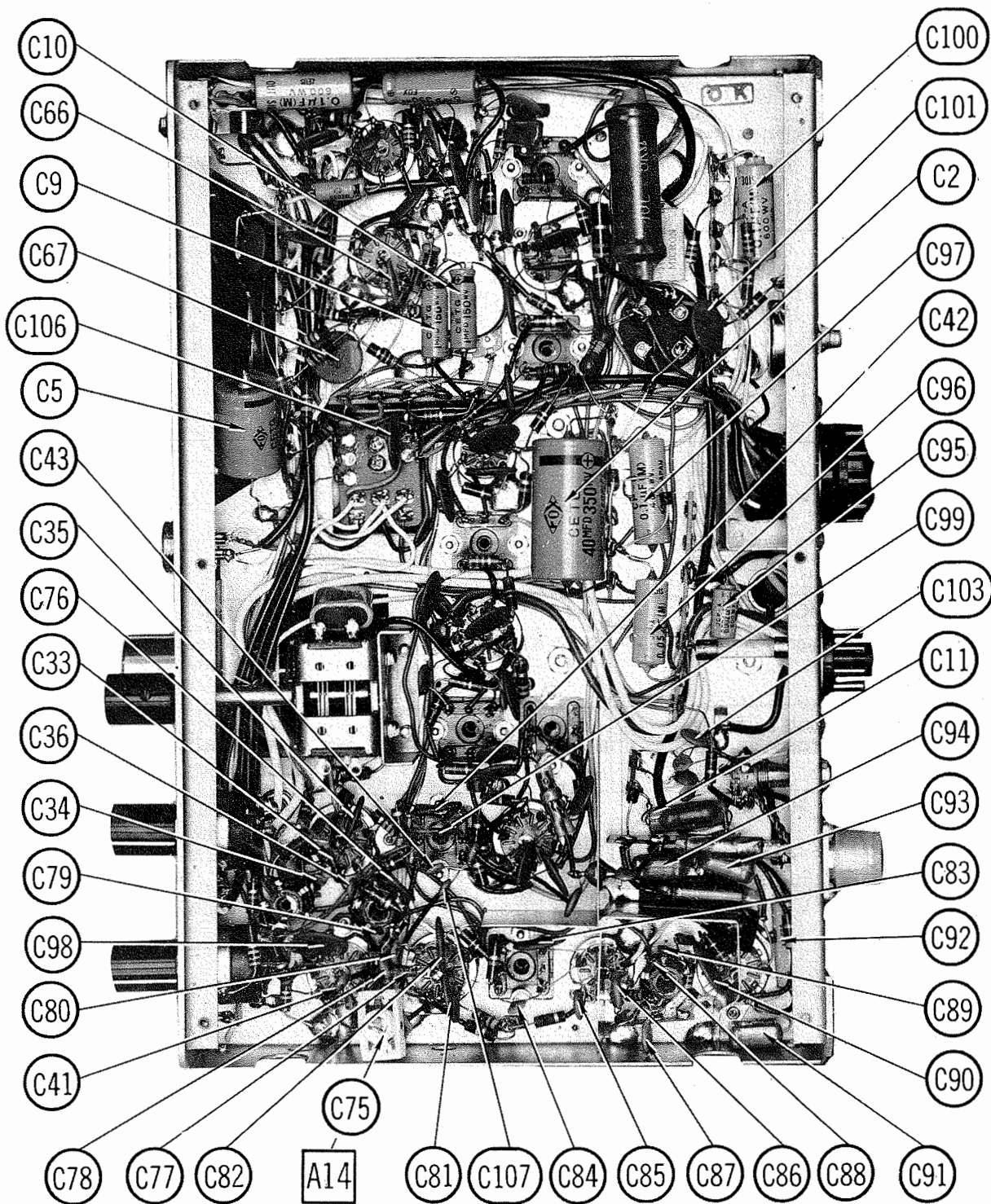
High side thru .01mfd to antenna connector, low side to chassis. Tune to 27.115 (Channel B) Mod.	13	A10 thru A13	Adjust for maximum.
High side thru .01mfd to antenna connector, low side to chassis. Tune to 27.115 (Channel B) Mod. 100 microvolts input.	13	R4	Adjust for S-9 Indication on "S"-RF.

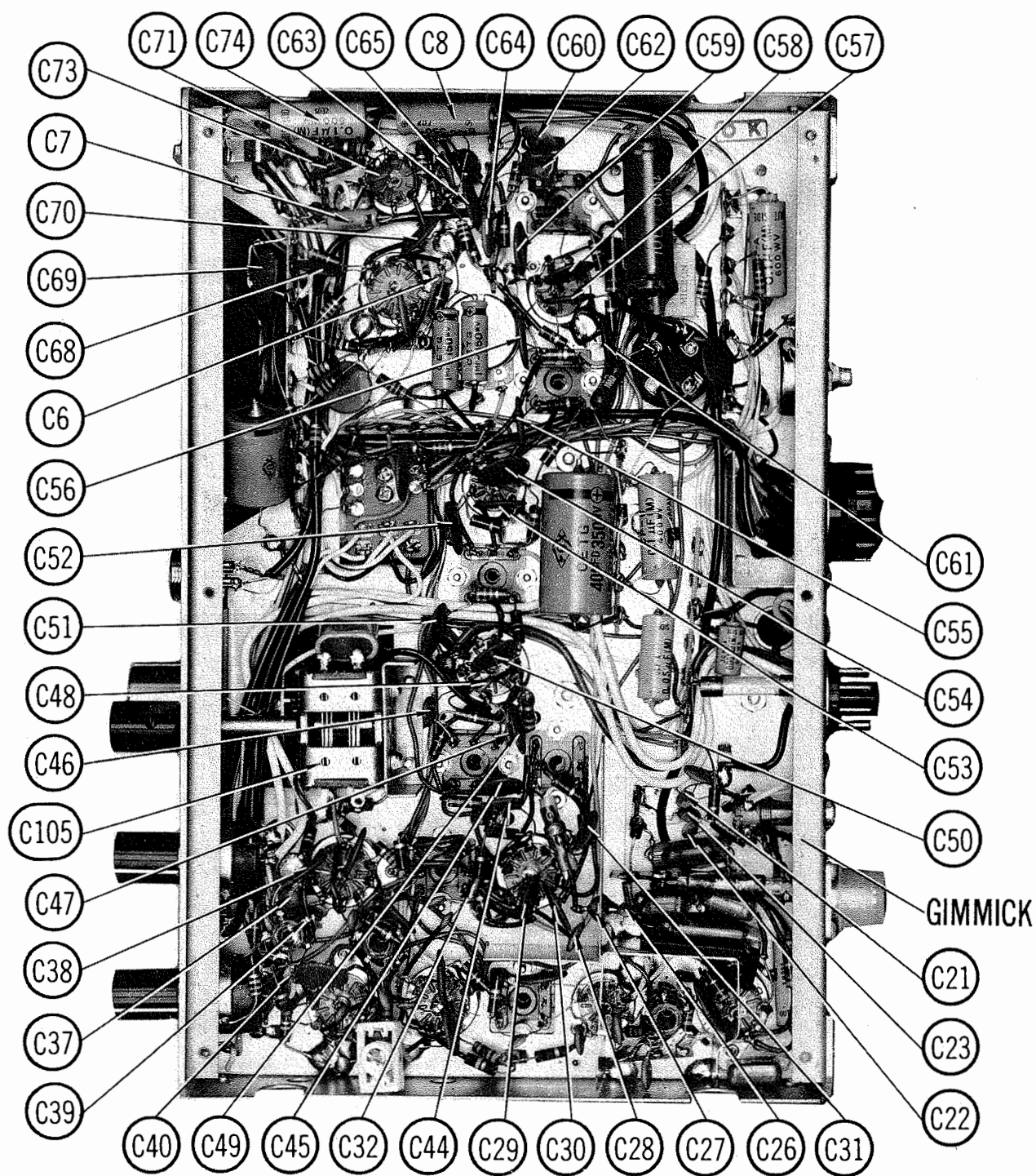
TRANSMITTER

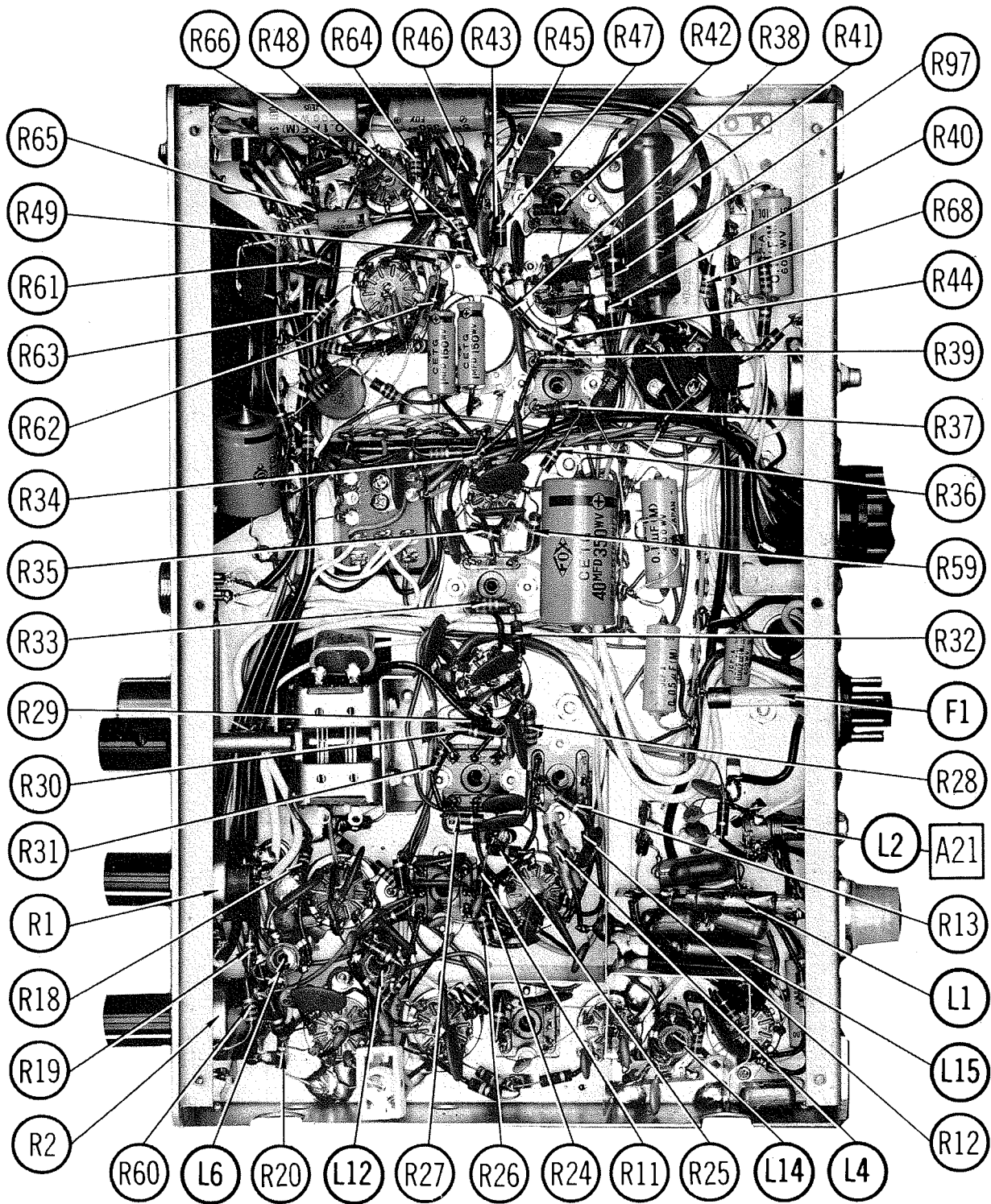
INDICATOR	ADJUST	REMARKS
AC VTVM & Frequency Meter.	A14 thru A17	Connect Meter to Pin 1 (Grid) V10 (Xmtr Driver). Adjust for approximately .5V to 1.4V (AC). Check output of xmtr for proper frequency.
DC VTVM with 1meg resistor in series with probe.	A18	Connect Meter to Pin 2 (Grid) V11 (Final Amp). Adjust A18 for approximately -15V. Check all Channels for equal Readings.
RF Wattmeter & DC VTVM.	A19,A20	Adjust for maximum. Check voltage across R87 (1000 ohms 2W). Reading should not exceed 19V. Readjust A19 (Plate) & A20 antenna for proper reading.
Nearby TV	A21	Tune TV to Channel "2". Adjust for MINIMUM Interference.

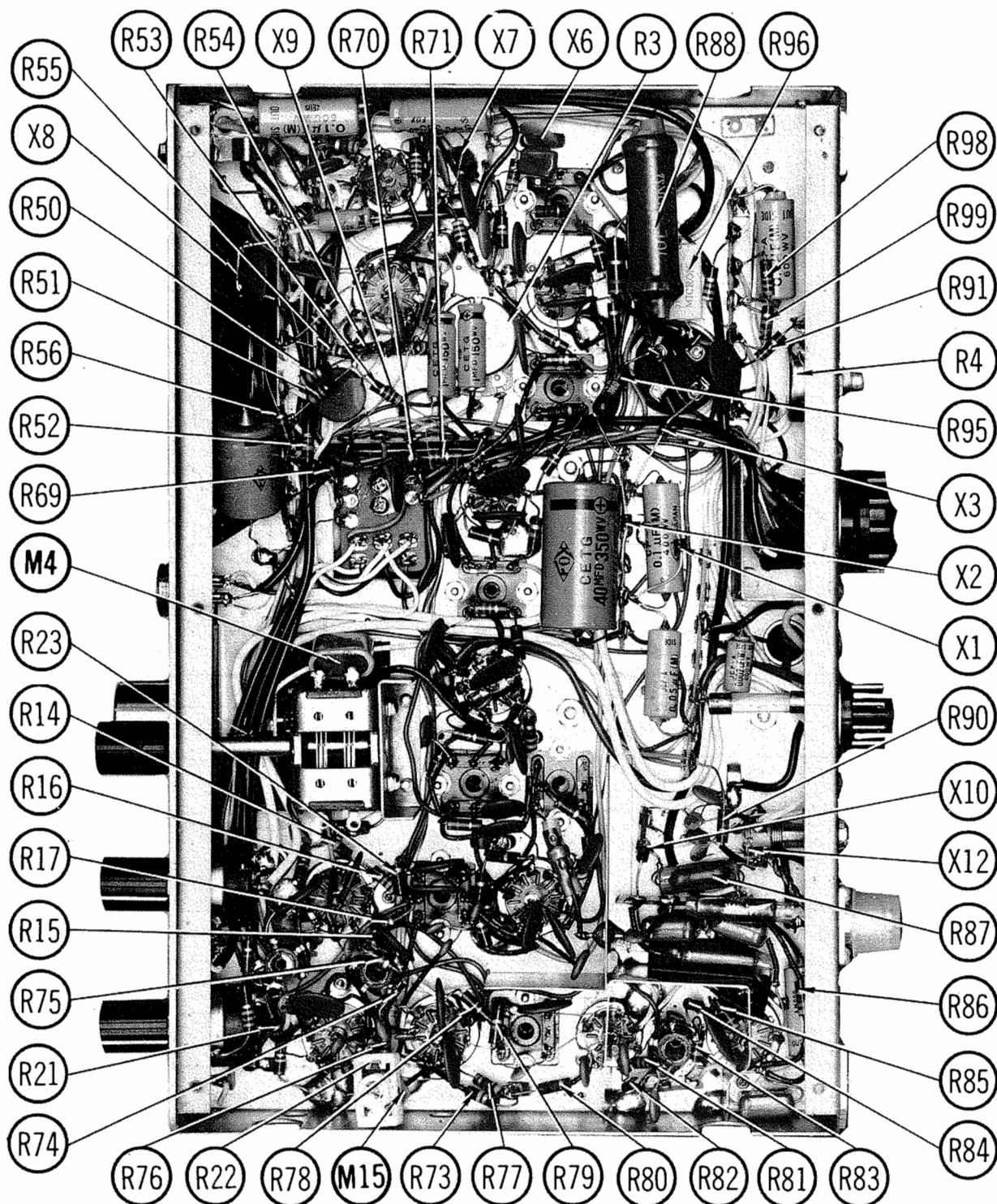
MODULATION ADJUSTMENT

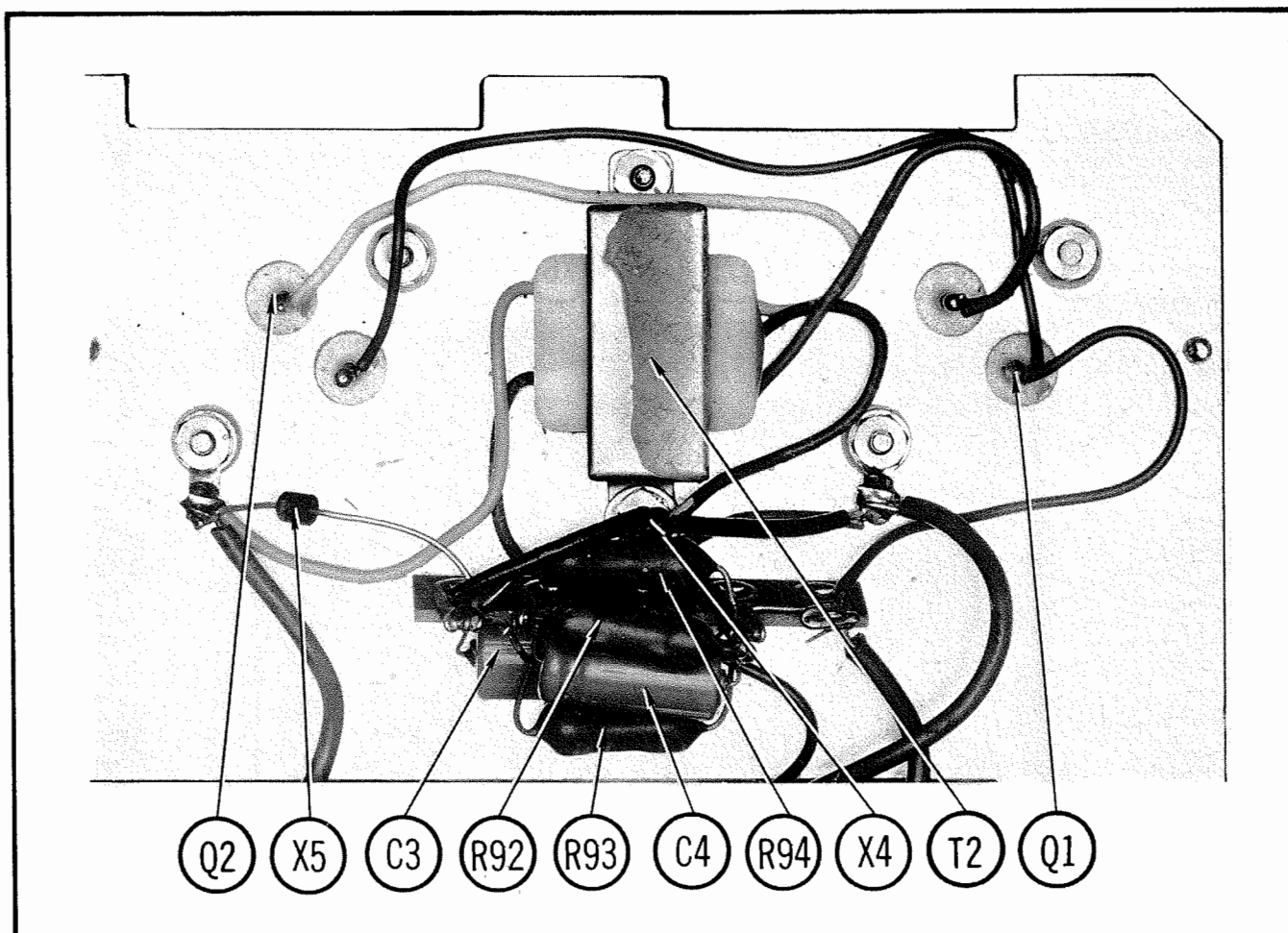
Modulation Monitor & Audio Signal Generator	R3	Connect Generator to Pin 1 Microphone Jack thru .05mfd, low side to Chassis. Tune to 1KC and output of 40mv. Range Boost Switch to On. Adjust for 80% modulation. Generator output of 5MV should produce 50% modulation.
---	----	--











RESISTANCE MEASUREMENTS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	6AN8A	45K †	0Ω	900Ω	FIL	FIL	2000Ω†	100K †	800K	100Ω
V2	6AN8A	100K †	100K	0Ω	FIL	FIL	34K †	100K †	0Ω	470Ω
V3	6GH8	22K †	100K	47K †	FIL	FIL	10K †	1000Ω	0Ω	100K
V4	12A7	9000Ω †	100K	0Ω	FIL	FIL	18K †	100K	0Ω	FIL
V5	6BA6	1.1meg	0Ω	FIL	FIL	3300Ω †	25K †	100Ω		
V6	6BA6	600K	0Ω	FIL	FIL	3300Ω †	100K	100Ω		
V7	12AX7A	500K †	100K	2200Ω	FIL	FIL	340K †	300K	1000Ω	FIL
V8	6AQ5	470K	220Ω	FIL	FIL	250Ω †	6900Ω†	470K		
V9	6GH8	21K ▲	47K	100K ▲	FIL	FIL	11K ▲	470Ω	0Ω	100K
V10	6BA6	0Ω	0Ω	FIL	FIL	2000Ω▲	28K ▲	100Ω		
V11	6BQ5	NC	1.6meg*	47Ω	FIL	FIL	NC	INF	NC	7000Ω▲
ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9

† MEASURED FROM CATHODE X2

* MEASURED FROM ANODE X3

▲ MEASURED FROM CATHODE X2 WITH PINS 8 & 10 OF K1 SHORTED.

PARTS LIST AND DESCRIPTION

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

WIRING DATA

General-use Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors
	8524 (Stranded) Available in 12 Colors
Shielded Antenna Lead	Use BELDEN No. 8214 Lowest Loss (RG-8/U Type)
	8237 Low Loss (RG-8/U)
	8240 (Solid) Miniature (RG-58/U)
	8259 (Stranded) Miniature (RG-58A/U)
Coiled Microphone Cable	Use BELDEN No. 8497 3 Conductor- 1 Shielded for Press-to-Talk (Neoprene)
	8496 3 Conductor- 1 Shielded for Press-to-Talk (Vinyl)
Ignition Noise Suppression	Use BELDEN No. 7300-Series Spark-Plug Sets
Bonding Strap	Use BELDEN No. 8661 (3/8 In.)

TUBES

AMPEREX			GENERAL ELECTRIC			RCA			SYLVANIA		
ITEM No.	USE	TYPE	ITEM No.	USE	TYPE	ITEM No.	USE	TYPE	ITEM No.	USE	TYPE
V1	RF Amp -1st Rec Mixer	6AN8A	V7	Mic Preamp - AF Amp	12AX7A	V1	RF Amp -1st Rec Mixer	6AN8A	V7	Mic Preamp - AF Amp	12AX7A
V2	2nd Rec Mixer - Rec Osc	6AN8A	V8	Output - Modulator	6AQ5	V2	2nd Rec Mixer - Rec Osc	6AN8A	V8	Output - Modulator	6AQ5
V3	Local Oscillator	6GH8	V9	Xmtr Oscillator - Mixer	6GH8	V3	Local Oscillator	6GH8	V9	Xmtr Oscillator - Mixer	6GH8
V4	Buffer - Synthesizer	12AT7	V10	Xmtr Driver	6BA6	V4	Buffer - Synthesizer	12AT7	V10	Xmtr Driver	6BA6
V5	1st IF Amp	6BA6	V11	Final Amp	6BQ5	V5	1st IF Amp	6BA6	V11	Final Amp	6BQ5
V6	2nd IF Amp	6BA6				V6	2nd IF Amp	6BA6			

TRANSISTORS

ITEM No.	TYPE No.	FUNCTION	REPLACEMENT DATA						
			MFGR. PART No.	DELCO PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MOTOROLA PART No.	RCA PART No.	SYLVANIA PART No.
Q1	2SB471B	Power Oscillator		DS-503	GE-16	TR-01	HEP232	SK-3009	ECG 121
Q2	2SB471B	Power Oscillator		DS-503	GE-16	TR-01	HEP232	SK-3009	ECG 121

POWER RECTIFIERS & SIGNAL DIODES

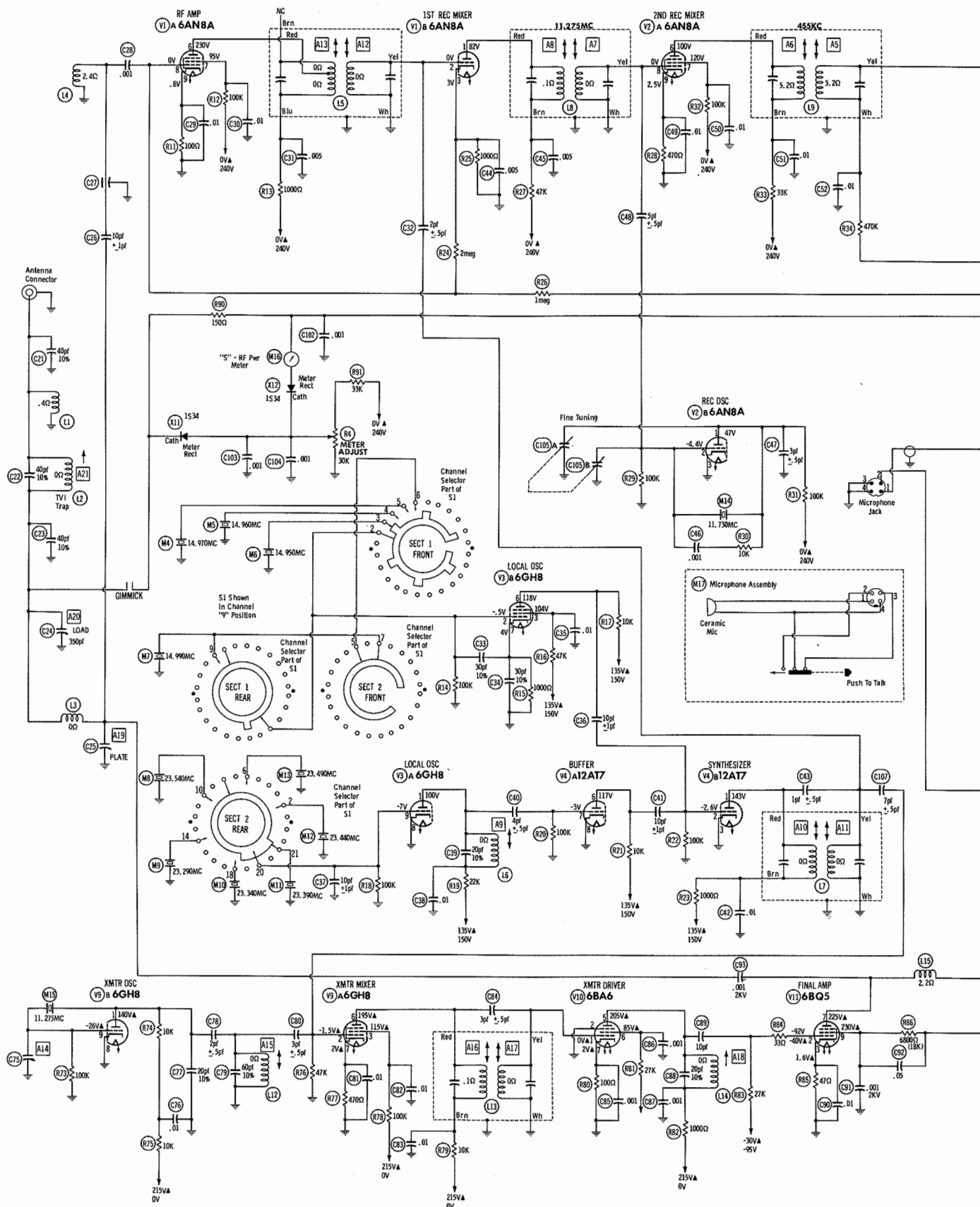
ITEM No.	MFGR. PART OR TYPE No.	REPLACEMENT RECTIFIERS & DIODES			REPLACEMENT RECTIFIERS		NOTES
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	SYLVANIA PART No.	RCA PART No.	SARKES TARZIAN PART No.	
X1	10D6	GE-504A	8D6 or 5A6D	ECG 116 or ECG 117	SK-3017A or SK-3032	60C or F-6	
X2	10D6	GE-504A	8D6 or 5A6D	ECG 116 or ECG 117	SK-3017A or SK-3032	60C or F-6	
X3	10D6	GE-504A	8D6 or 5A6D	ECG 116 or ECG 117	SK-3017A or SK-3032	60C or F-6	
X4	10D4	GE-504A	8D4 or 5A4-D	ECG 116 or ECG 117	SK-3031 or SK-3017A	40C or F-4	
X5	10D4	GE-504A	8D4 or 5A4-D	ECG 116 or ECG 117	SK-3031 or SK-3017A	40C or F-4	
X6	1N60	1N60	1N60	ECG 109			
X7	1S72	1N34AS	1N34A	ECG 109			
X8	10D1	GE-504A	8D4 or 5A4-D	ECG 116 or ECG 117	SK-3031 or SK-3017A	40C or F-4	
X9	10D4	GE-504A	8D4 or 5A4-D	ECG 116 or ECG 117	SK-3031 or SK-3017A	40C or F-4	
X10	10D4	GE-504A	8D4 or 5A4-D	ECG 116 or ECG 117	SK-3031 or SK-3017A	40C or F-4	
X11	1S34 (SD46)	1N34AS	1N34A	ECG 109			
X12	1S34 (SD46)	1N34AS	1N34A	ECG 109			

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
			PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1A	40	350V		AFH3-44		CC0350A	XC3-40	PFP330.8A	TVL-3787
B	40	350V							
C	40	350V							
C2	40	350V		PRS1670		WBR40-350	QT1-14	TC67A	TVA-1611
C3	25	50V		CRE762A	EA50-25	NLW25-50	MT1-17	TT50X25	TE1305.5
C4	10	50V		CRE757A	EA50-10	NLW10-50	MT1-6	TT50X10	TE-1304
C5	10	350V		PRS1620		WBR10-500	QT1-6	TC62A	TVA-1604
C6	10	25V		CRE607A	EA30-10	NLW10-25	MT1-5	TT25X10	TE-1207
C7	10	25V		CRE607A	EA30-10	NLW10-25	MT1-5	TT25X10	TE-1207
C8	5	350V		PRS1600		WBR5-500	QT1-4	TC60A	TVA-1601
C9	1	150V		CRE950A		NLW1-150	MT1-2	TT150X1	TE-1500
C10	1	150V		CRE950A		NLW1-150	MT1-2	TT150X1	TE-1500
C11	1	150V		CRE950A		NLW1-150	MT1-2	TT150X1	TE-1500

(CONTINUED ON PAGE 72)

LAFAYETTE MODEL COMSTAT 25A



A PHOTOFACT STANDARD NOTATION SCHEMATIC
© Howard W. Sams & Co., Inc. 1969

LAFAYETTE MODEL COMSTAT 25A

NC No Connection
▲ Measured in Transmit Position
Controls viewed from actuator end.
Arrow indicates clockwise rotation.

Resistors are 1/2 watt or less and rated 10% or 20% unless otherwise indicated.

Voltage measurements taken with vacuum tube voltmeter.

All controls set for normal operation, no signal applied.

Measured values are from socket pin or terminal to common ground.

All terminals viewed from bottom unless otherwise designated.

Numbers assigned to terminals may not be found on the unit.

Supply voltage maintained at rated value for voltage readings.

LAFAYETTE MODEL COMSTAT 25A

PARTS LIST AND DESCRIPTION (CONTINUED)

(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.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C21	40 10%		NPO-DI 39	DD-390		CCT0-390	CN0439	10TCC-Q39
C22	40 10%		NPO-DI 39	DD-390		CCT0-390	CN0439	10TCC-Q39
C23	40 10%		NPO-DI 39	DD-390		CCT0-390	CN0439	10TCC-Q39
C24	350							
C25								
C26	10 ± 1		NPO-DI 10	DTZ-10	CZ601CG100J	CCT0-100	CN0410	10TCC-Q10
C27								
C28	.001 500V		GPD X5F102K	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10
C29	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C30	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C31	.005 500V		GPD X5R502K	DD-502	JBT601YP502K	CCD-502	JF250	10TS-D50
C32	2 ± 5		NPO-DI 2.2	DTZ-2R2	CZ601CJ2R2D		CN0522	10TCC-V22
C33	30 10%			TCZ-30		CCT0-300		10TCC-Q30
C34	30 10%			TCZ-30		CCT0-300		10TCC-Q30
C35	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C36	10 ± 1		NPO-DI 10	DTZ-10	CZ601CG100J	CCT0-100	CN0410	10TCC-Q10
C37	10 ± 1		NPO-DI 10	DTZ-10	CZ601CG100J	CCT0-100	CN0410	10TCC-Q10
C38	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C39	20 10%		ADM-10-200	CPR-20J	CD10E200K500	DM-10-200K	SX420	MS-42
C40	4 ± 5							10TCC-V39
C41	10 ± 1		NPO-DI 10	DTZ-10	CZ601CG100J	CCT0-100	CN0410	10TCC-Q10
C42	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C43	1 ± 5		NPO-DI 1.0	TCZ-1			CN0510	10TCC-V10
C44	.005 500V		GPD X5R502K	DD-502	JBT601YP502K	CCD-502	JF250	10TS-D50
C45	.005 500V		GPD X5R502K	DD-502	JBT601YP502K	CCD-502	JF250	10TS-D50
C46	.001 500V		GPD X5F102K	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10
C47	3 ± 5		NPO-DI 3.0					10TCC-V30
C48	5 ± 5		NPO-DI 5.0					10TCC-V50
C49	.01 500V		GPD X5S103K	DD-103	CZ601CH5R0D	CCD-103	JF110	10TS-S10
C50	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C51	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C52	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C53	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C54	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C55	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C56	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C57	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C58	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C59	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C60	100 10%		GPD X5F101K	DD-101	JBZ601YP101K	CCD-101	GP310	10TS-T10
C61	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C62	.05 50V		TTP-05	CK-503	H0V101ZV503Z	CCD-503	TA150	TGL-S50
C63	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C64	470 10%		GPD X5F471K	DD-471	JBZ601YP471K	CCD-471	GP347	10TS-T47
C65	100 10%		GPD X5F101K	DD-101	JBZ601YP101K	CCD-101	GP310	10TS-T10
C66	610 10%			DD-601		CCS-621	GP360	56A-T60
C67	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C68	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C69	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C70	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C71	.001 1KV		GPD X5F102K	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10
C72	.002 2KV				1DRP20D1KF	VDM-30-202J		
C73	.005 1KV		GPD X5R502K	DD-502	JBT601YP502K	CCD-502	JF250	10TS-D50
C74	.1 600V		DBE6P1		WMF6P1	6DP-4-104	PVC601	6PS-P10
C75								
C76	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C77	20 10%		NPO-DI 20	DTZ-20		CCT0-200	CN0420	10TCC-Q20
C78	2 ± 5		NPO-DI 2.2	DTZ-2R2	CZ601CJ2R2D		CN0522	10TCC-V22
C79	60 10%		ADM-10-620	CPR-62J	CD10E620K500	DM-10-620K	SX462	MS-46
C80	3 ± 5		NPO-DI 3.0					10TCC-V30
C81	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C82	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C83	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C84	3 ± 5		NPO-DI 3.0					10TCC-V30
C85	.001 500V		GPD X5F102K	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10
C86	.001 500V		GPD X5F102K	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10
C87	.001 500V		GPD X5F102K	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10
C88	20 10%		ADM-10-200	CPR-20J	CD10E200K500	DM-10-200K	SX420	MS-42
C89	10 10%		NPO-DI 10	DTZ-10	CZ601CG100J	CCT0-100	CN0410	10TCC-Q10
C90	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C91	.001 2KV				1DRP20D2KF	VDM-30-102J		
C92	.05 600V		DBE6S5		DPMS6S5	6DP-3-503	PVC615	6PS-S50
C93	.001 2KV				1DRP20D1KF	VDM-30-102J		
C94	.001 2KV				1DRP20D1KF	VDM-30-102J		
C95	.002 600V		DBE6D2		DPMS6D2	6DP-1-202	PVC622	6PS-D20
C96	.05 600V		DBE6S5		DPMS6S5	6DP-3-503	PVC615	6PS-S50
C97	.1 400V		DBE4P1		WMF4P1	4DP-3-104	PVC401	4PS-P10
C98	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C99	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C100	.1 600V		DBE6P1		WMF6P1	6DP-4-104	PVC601	6PS-P10
C101	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C102	.001 500V		GPD X5F102K	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10
C103	.001 500V		GPD X5F102K	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10
C104	.001 500V		GPD X5F102K	DD-102	JBS601YP102K	CCD-102	GP210	10TS-D10
C105								
C106	.01 500V		GPD X5S103K	DD-103	BYX601ZU103P	CCD-103	JF110	10TS-S10
C107	7 ± 5		NPO-DI 6.8	DTZ-6R8	CZ601CH6R8D		CN0568	10TCC-V68

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CONTROLS (All wattages 1/2 watt, or less, unless listed)

ITEM No.	FUNCTION	RESIST-ANCE	REPLACEMENT DATA				
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1	Volume & Power Switch	500K		F2-500K,SSK014, KR-1	R47-500K-Z,KSS-3, SWE-12,or (NP-500K-Z, UP-C-400,SWE-12)	Q13-133,76-1 or (BU1,CF25,SS1, GC)*	RU55A,SL36, SL3250,US41 or (UA55A,SK1000, US41) or (U48, US26)
R2	Squelch & Standby Switch	2meg		F1-2meg,SSK014, KR-1	A47-2meg-S,KSS-3, SWE-12,or (NP-2meg,UP-C-400 NWE-12)	Q11-139,76-1 or (BU1,CF19,SS1, GC)*	RU26L,SL36, SL3250,US41 or (UA26L,SK1000, US41) or (U56, US26)
R3	Range Boost Adjust	500K		F1-500K, SNK010	A47-500K-S, FKS-1/2,or (NP-500K-S, UP-C-400)	B11-133,SK2 or (BU1,CF16,SS6)*	RU55L,SL38, SK750 or (UA55L,SK750) or (SU50)
R4	Meter Adjust	30K		F1-25K,SRS006	A47-30K-S, FKS-1/2 or (NP-30K-S, UP-A-400)	B11-121,SK2 or (BU1,CF11,SS2, DC1)*	RU34L,SL36, SK3250 or (UA34L,SK750) or (U30)

* "SNAPTROL"

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA		
		IRC PART No.	WORKMAN PART No.	MFGR. PART No.
R88	5000 10W	PW10-5000	10W-SQ-5K	

ITEM No.	RATING	REPLACEMENT DATA		
		IRC PART No.	WORKMAN PART No.	MFGR. PART No.
R96	1000 5W	PW5-1000	5W-SQ-1K	

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		PART No.	MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
L1	RFC (5.6uh)			74F566AP	T820
L2	TVI Trap				
L3	Pi Network (12 turns)				
L4	RFC (22uh)		19-6022	72F225AP	TA311
L5	RF Amp				
L6	Local Oscillator				
L7	Synthesizer Mixer				
L8	1st Rec Mixer				
L9	Input IF				
L10	Interstage IF				
L11	Output IF				
L12	Xmtr Oscillator				
L13	Xmtr Mixer				
L14	Xmtr Driver				
L15	RFC (30uh)				T972

TRANSFORMER (Power)

ITEM No.	RATING			REPLACEMENT DATA					NOTES
	PRI. 1	SEC. 1	SEC. 2	MFGR. PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	117VAC .72A *	110VAC .360A	12.6VAC 2.6A						* Transmit
	PRI. 2	SEC. 4	SEC. 5						
	12.6V @ 5.6A *								

LAFAYETTE MODEL COMSTAT 25A

PARTS LIST AND DESCRIPTION (CONTINUED)

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

TRANSFORMER (OSC)

ITEM No.	TURNS RATIO			REPLACEMENT DATA					NOTES
	PRI.	SEC. 1	SEC. 2	MFGR. PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T2	2	1CT							

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA					NOTES
	PRI.	SEC.	MFGR. PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T3	3872	8						

SPEAKER

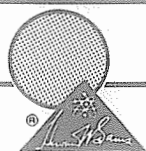
ITEM No.	TYPE	REPLACEMENT DATA			NOTES
		MFGR. PART No.	JENSEN PART No.	QUAM PART No.	
SPT	4" PM 8 ohms		C4T8	4A05Z8	

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA						
		PART No.		BUSS PART No.		LITTELFUSE PART No.		WORKMAN PART No.
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER	DEVICE
F1 F2	2 Amp 8 Amp			GJV2 AGC8	HHJ-B	318002 312008	155079	

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
K1	Relay		Receive - Transmit
M1	Pilot Lamp		CHICAGO MINIATURE Replacement CM-1826
M2	Meter Lamp		
M3	Modulation Indicator		
M4	Crystal		14.970MC
M5	Crystal		14.960MC
M6	Crystal		14.950MC
M7	Crystal		14.990MC
M8	Crystal		23.540MC
M9	Crystal		23.290MC
M10	Crystal		23.340MC
M11	Crystal		23.390MC
M12	Crystal		23.440MC
M13	Crystal		23.490MC
M14	Crystal		11.730MC
M15	Crystal		11.275MC
M16	Meter		"S" -RF Power Indicator
M17	Microphone Assy		Ceramic

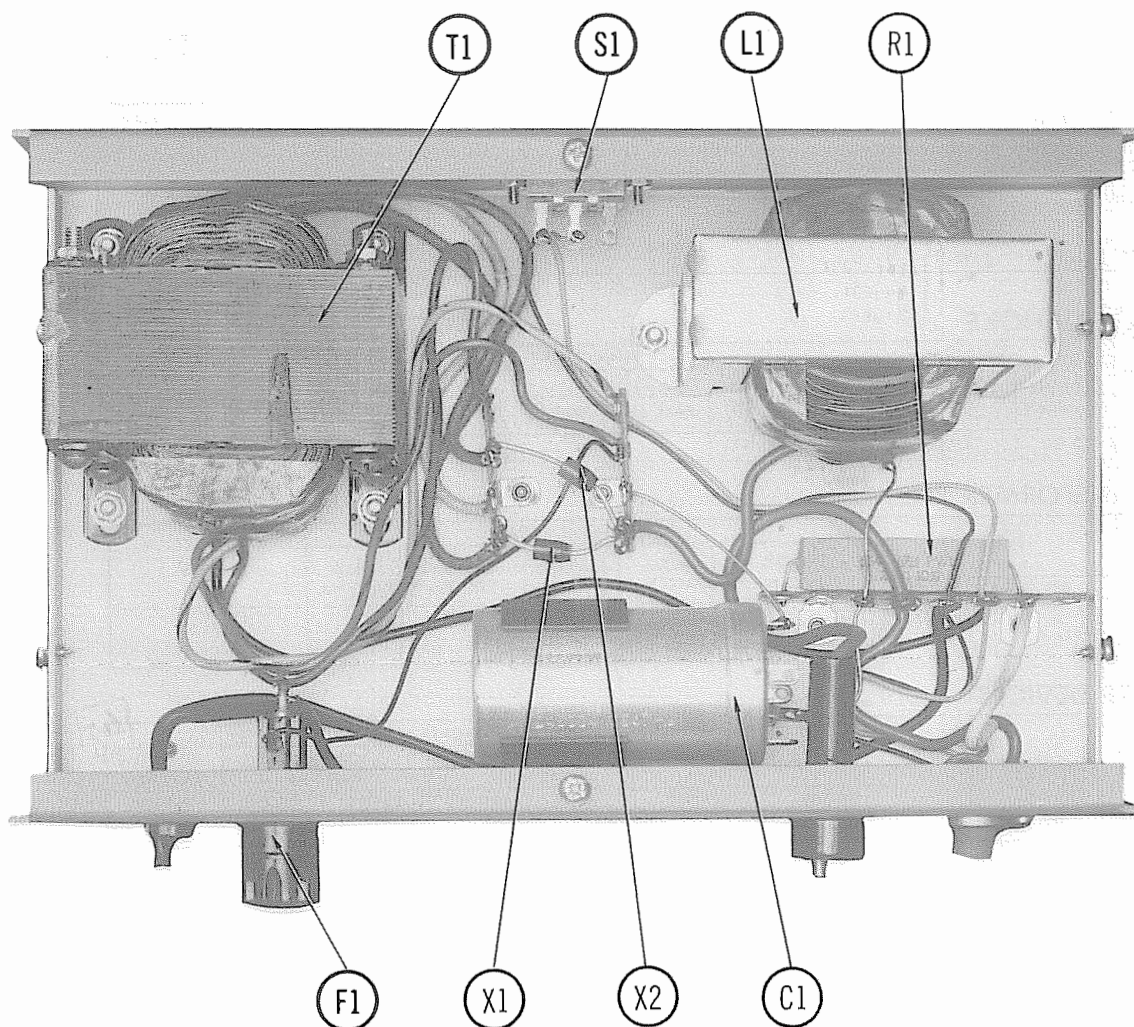


PHOTOFACT[®]

For Supplier Address See PHOTOFACT Index



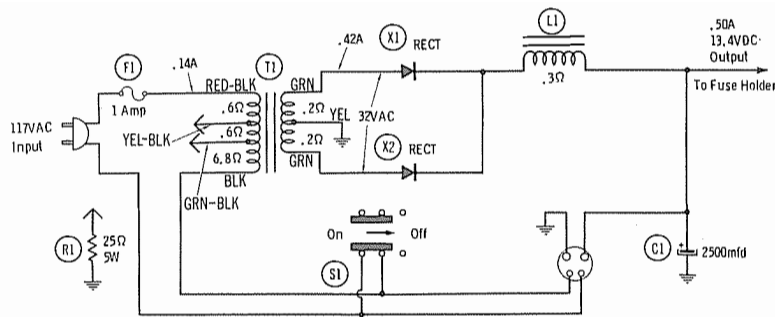
PEARCE-SIMPSON AC POWER SUPPLY



PEARCE-SIMPSON MODEL AC POWER SUPPLY

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

© 1969 Howard W. Sams & Co., Inc. Printed in U. S. of America TY370



A PHOTOFACT STANDARD NOTATION SCHEMATIC

© Howard W. Sams & Co., Inc. 1969

PARTS LIST AND DESCRIPTION

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

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MFR. 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		GE-504A	806 or 5A6-D	ECG 116 or ECG 117	SK-3017A or SK-3032	60C or F-6	
X2		GE-504A	806 or 5A6-D	ECG 116 or ECG 117	SK-3017A or SK-3032	60C or F-6	

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA					
		PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.
C1	2500 35V		1-10-05		AA0145A		

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA		
		IRC PART No.	WORKMAN PART No.	MFR. PART No.
R1	25 5W	PW525		

ITEM No.	RATING	REPLACEMENT DATA		
		IRC PART No.	WORKMAN PART No.	MFR. PART No.

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA				NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	
L1	.5 Amp	.3	16uh	1202-147A				

TRANSFORMER (Power)

ITEM No.	RATING		REPLACEMENT DATA				NOTES
	PRI.	SEC. I	MFR. PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	
T1	117VAC .14A	32VAC CT .42A	1202-146A				

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA					
		PART No.		BUSS PART No.		LITTELFUSE PART No.	
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER
F1	1 Amp 250V			AGC 1	HKP	312001.	342014

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
S1	Switch		SPDT Slide Power On-Off

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.