

For Supplier Address See PHOTOFACT Index

LLOYD'S  
MODELS 7H17A, 8H24GLLOYD'S  
MODELS 7H17A, 8H24G

## ALIGNMENT INSTRUCTIONS

Use isolation transformer, if available, and maintain line voltage at 117 volts. Set Volume control at maximum. Fashion loop of several turns of wire and connect generator across loop. Adjust output of generator to radiate only enough signal into receiver to obtain a suitable indication. Suggested Alignment Tools:

A1 thru A6 .. GENERAL CEMENT #8868, 8987, 9089  
WALSCO #2531-X, 2541, 2587

	GENERATOR FREQUENCY	DIAL SETTING	INDICATOR	ADJUST	REMARKS
1.	455KC (400 $\mu$ 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	Adjust for maximum.
4.	600KC	"	"	A6	Rock tuning gang and adjust for maxi- mum. Repeat steps 2 thru 4 until no further improvement can be made.

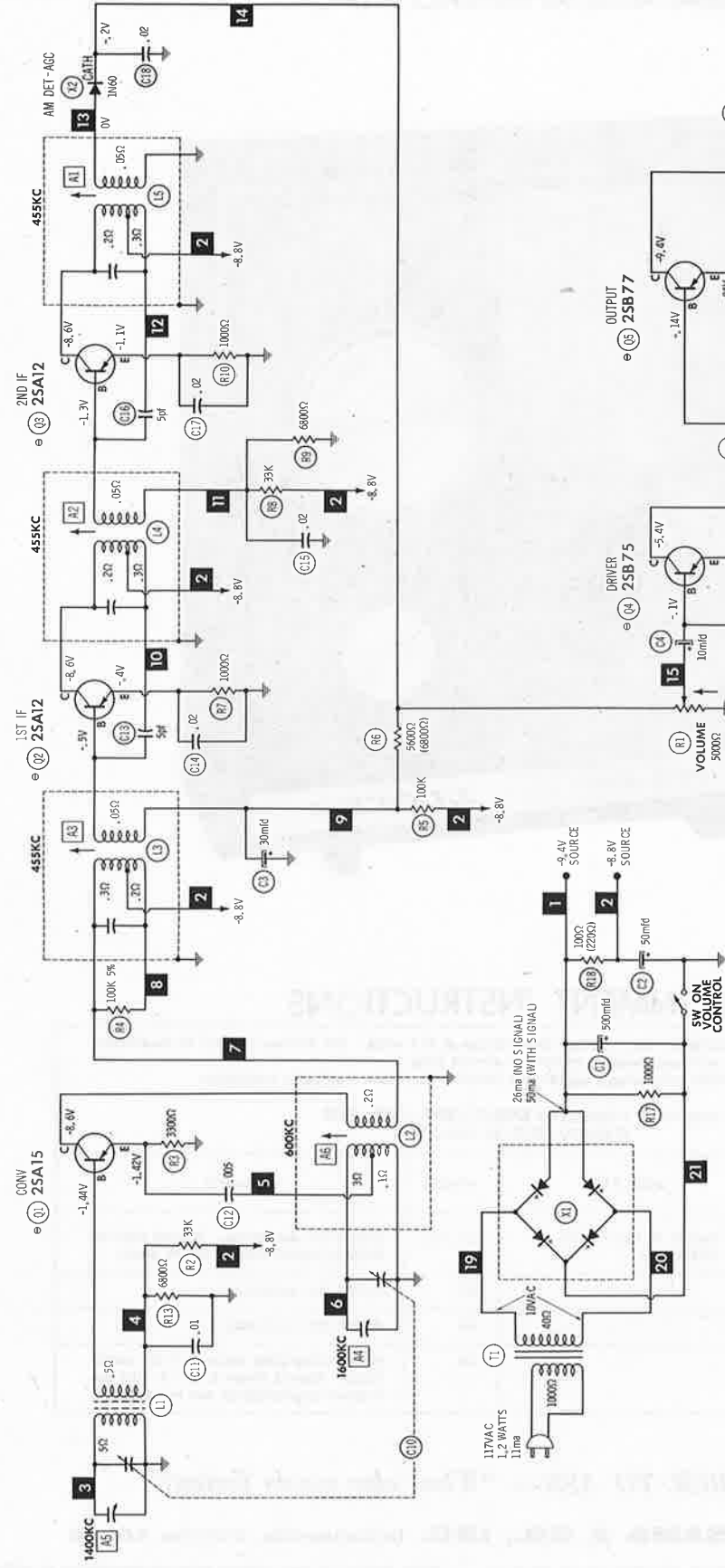
**REMEMBER TO ASK— "What else needs fixing?"****HOWARD W. SAMS & CO., INC.** Indianapolis, Indiana 46206

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. SG855

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DATE 10-68

SET 988 FOLDER 6



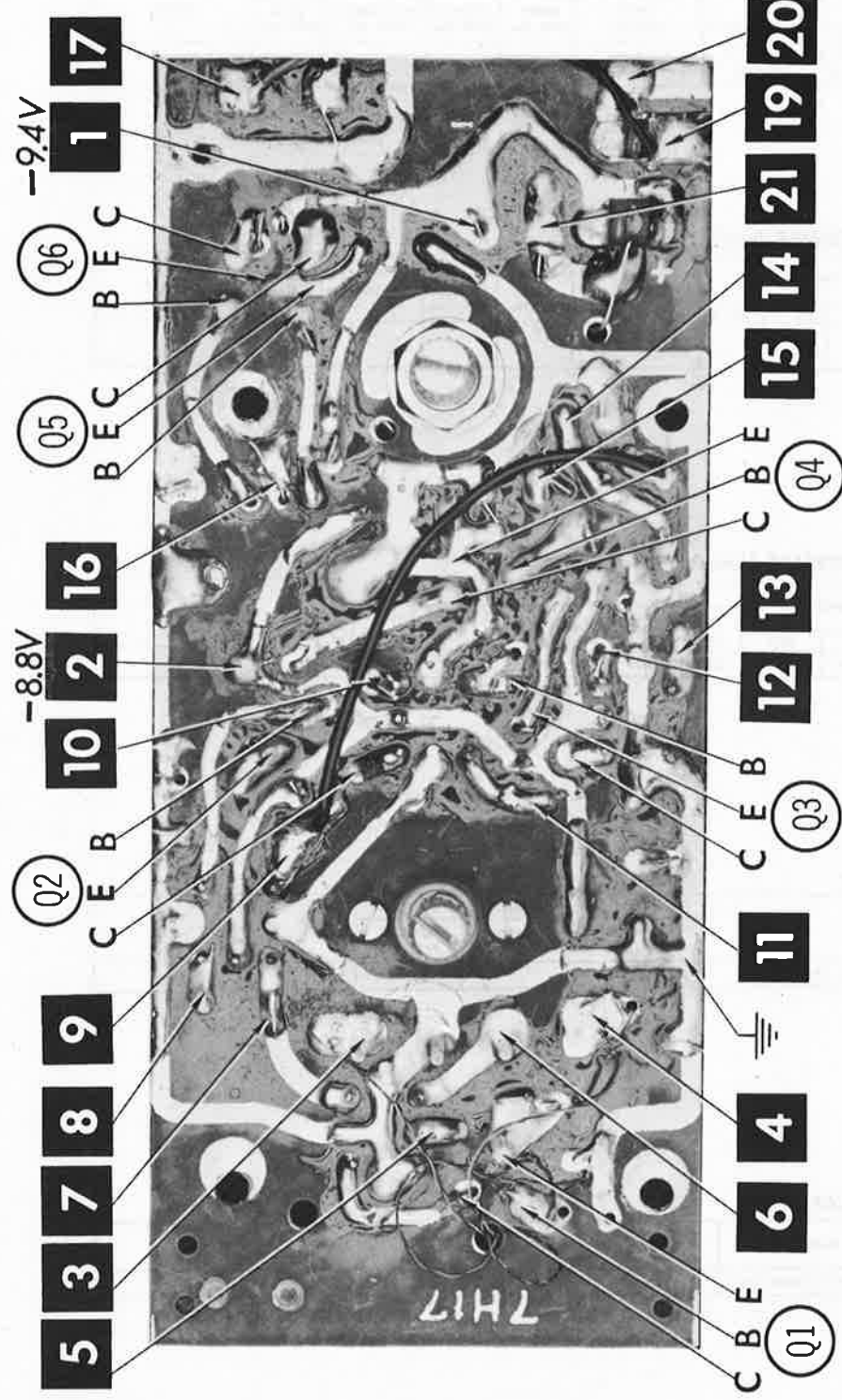
- \* Not used in some versions.  
 † See parts list for actual end.  
 1. Control grid from actuator and.  
 2. 100K resistor (100K) (100K) (100K)  
 3. 10% or 20% unless otherwise indicated.  
 4. Supply voltage maintained at rated value for voltage measurements.  
 5. All controls set for normal operation, no signal applied.  
 6. Measured values are from bottom pin or terminal to common ground.  
 7. All terminals assigned to terminals may not be found on the unit.  
 8. Resistor values are given in ohms, kilohms, or megohms.  
 9. Resistance of the transformer in internal resistance of the transformer.

A PHOTOFACT STANDARD NOTATION SCHEMATIC  
 with CIRCUIRACE<sup>®</sup>

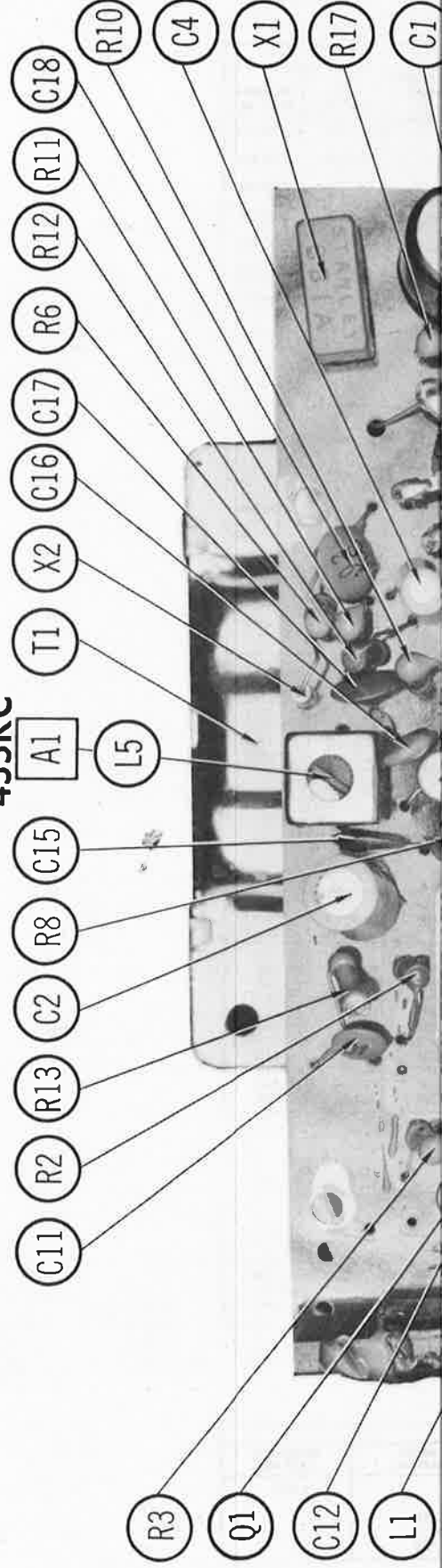
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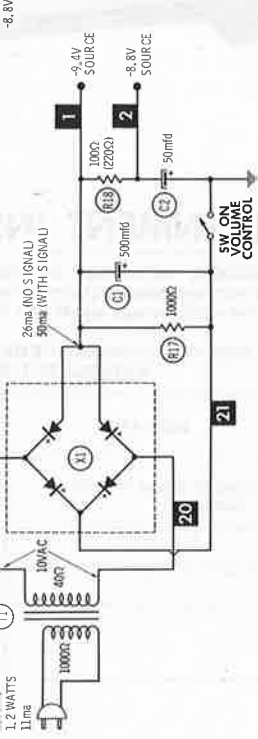
MODELS 7H17A, 8H24G

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455KC



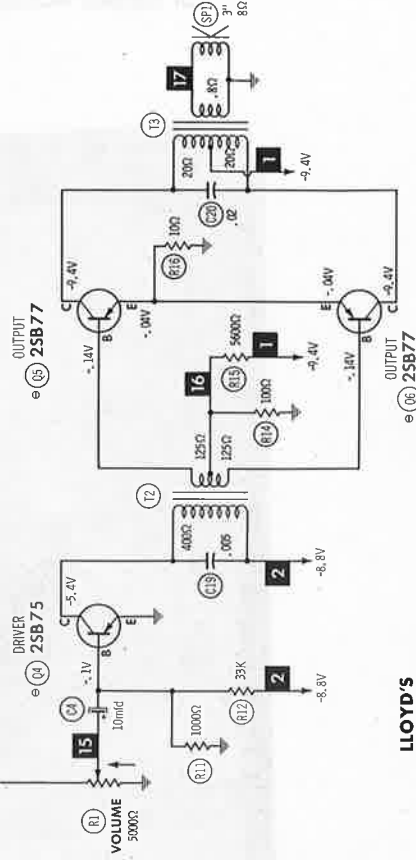


- Denotes ground.  
 \* Not used in some versions.  
 1. Controls viewed from actuator end.  
 2. Resistors are 1/2 watt or less and rated 10% or 20% unless otherwise indicated.  
 3. Voltage and resistance readings taken with a VTVM.  
 4. Supply voltage maintained at rated value for voltage measurements.  
 5. All controls set for normal operation, no signal applied.  
 6. Measured values are from socket pin or terminal to common ground.  
 7. Numbers assigned to terminals may not be found on the unit.  
 8. Resistance measurements not given because of the wide variation in internal resistance of the transistor.  
 9. Resistance measurements not given because of the wide variation in internal resistance of the transistor.

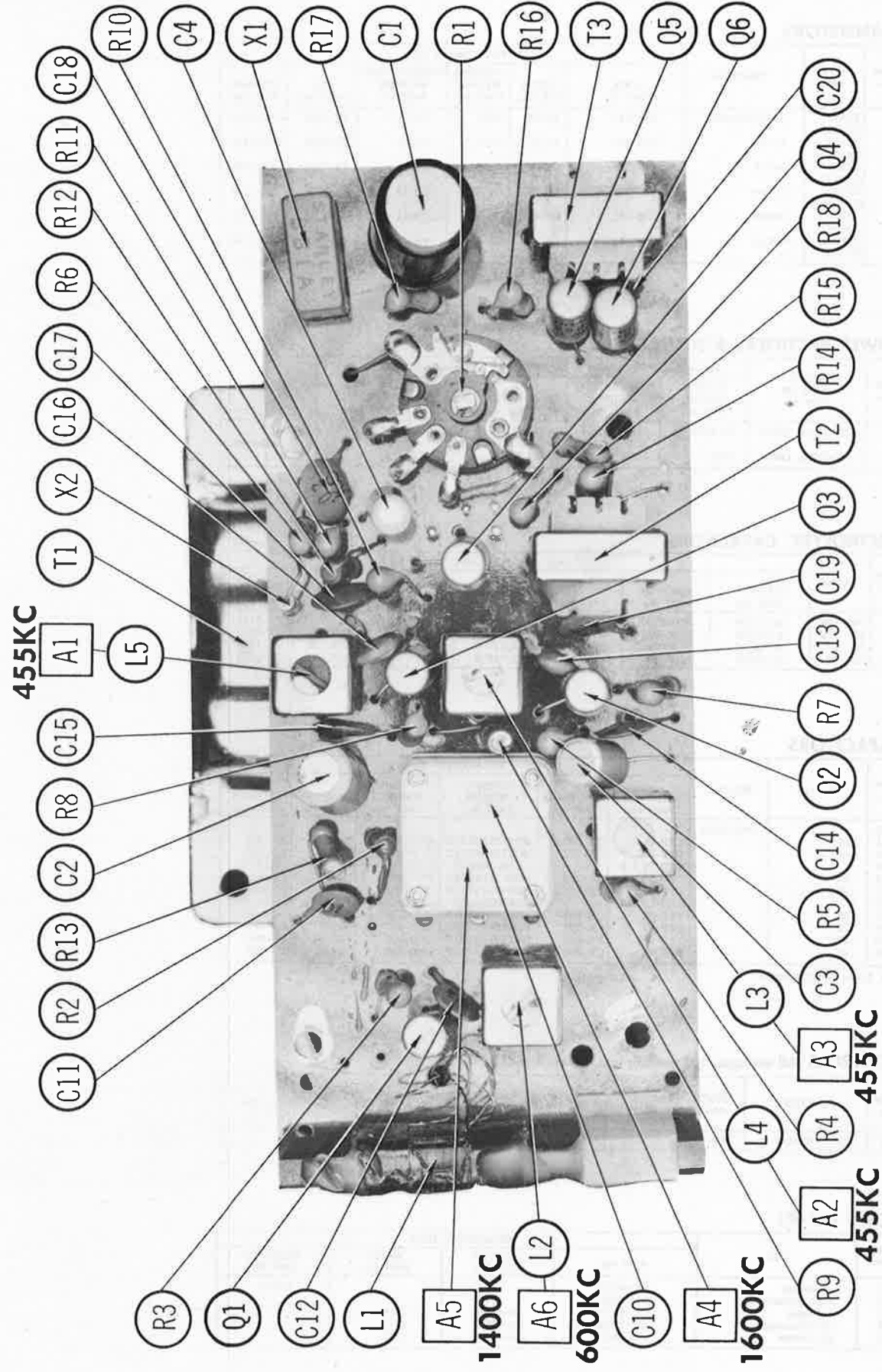
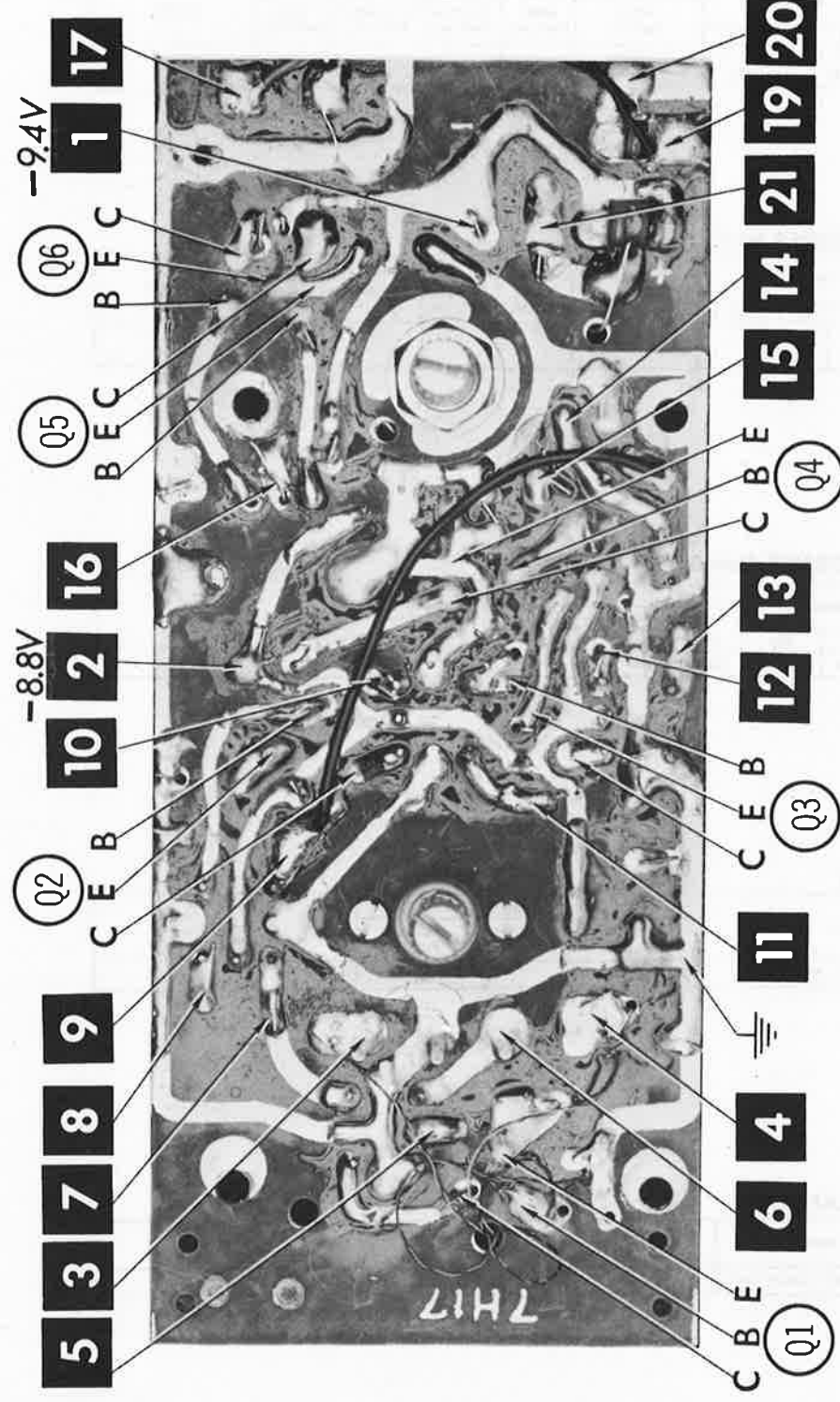
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LLOYD'S  
 MODELS 7H17A, 8H24G



A Howard W. Sams CIRCUTRACE® Photo



PARTS LIST AND DESCRIPTION

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

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	2SA15 (2SA52)	AM Converter	(HA-52)	DS-25	GE-1	TR-11	SK-3008	ECG 100
Q2	2SA12 (2SA49)	1st IF	(HA-49)	DS-25	GE-1	TR-11	SK-3008	ECG 100
Q3	2SA12 (2SA53)	2nd IF	(HA-53)	DS-25	GE-1	TR-11	SK-3008	ECG 100
Q4	2SB75 (2SB54)	Driver	(HB-54)	DS-26	GE-2	TR-14	SK-3004	ECG 102
Q5	2SB77 (2SB56)	Output	(HB-56)	DS-26	GE-2	TR-14	SK-3004	ECG 102
Q6	2SB77 (2SB56)	Output	(HB-56)	DS-26	GE-2	TR-14	SK-3004	ECG 102

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	JD-BB1A, BB1A	GE-544A ①	18DB2A or 8D4	ECG 116 ① or ECG 117	SK-3030 ① or SK-3031	S-5959 or 40C	① Four required.
X2	HE-1N60, 1N60	1N60	1N60	ECG 109			

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA						
		LLOYD'S PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	500 10V	BJ-23508	BCD12500					TL-1141
C2	50 10V	BJ-23507	BCD10050	EPI5-50	NLW50-10	MT1-16	MTV50CB15	TE-1133
C3	30 6V	BJ-22307	BCD6025	EP6-25	NLW30-6	MT1-13	MTV30CB25	TE-1093
C4	10 6V	BJ-22107	BCD6010	EP6-10	NLW10-6	MT1-5	MTV10CB50	TE-1087

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.
C10		#BQ-36071						
C11	.01		TTP-01	CK-103	HOY101ZV103P	CCD-103	TA110	TG-S10
C12	.005		TTP-005	CK-502	HOY101ZV502P	CCD-502	TA250	TG-D50
C13	5		NPO-DI 5.0		CZ601CH5R0D	CCTO-050		10TCC-V50
C14	.02		TTP-02	CK-203	HOR101ZV203P	CCD-203	TA120	TG-S20
C15	.02		TTP-02	CK-203	HOR101ZV203P	CCD-203	TA120	TG-S20
C16	5		NPO-DI 5.0		CZ601CH5R0D	CCTO-050		10TCC-V50
C17	.02		TTP-02	CK-203	HOR101ZV203P	CCD-203	TA120	TG-S10
C18	.02		TTP-02	CK-203	HOR101ZV203P	CCD-103	TA120	TG-S10
C19	.005		TTP-005	CK-502	HOY101ZV502P	CCD-502	TA250	TG-D50
C20	.02		TTP-02	CK-203	HOR101ZV203P	CCD-203	TA120	TG-S20

# Lloyd's Part Number

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/Switch	5000Ω					

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		PART No.	MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
L1	Loopstick	DK-00159			TA548
L2	AM Oscillator	DM-00160			
L3	AM Input	EM-93220	16-9028	2066	
L4	AM Interstage	EM-93221	16-9027	8517	
L5	AM Output	EM-93222	16-9028	8518	

TRANSFORMER (Power)

ITEM No.	RATING		REPLACEMENT DATA					NOTES
	PRI.	SEC. 1	MFGR. PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	117VAC @ .011A AC	10VAC @ .05A DC	EJ-35225					

TRANSFORMER (Driver)

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	1.3:	1		EF-99223					

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	150Ω	6-8Ω	EH-99224					

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA			NOTES
		MFGR. PART No.	JENSEN PART No.	QUAM PART No.	
SP1	3" PM 8Ω	GA-19390		30A95RZ8	

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
	Printed Circuit Board	FE-01261	

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. 17106 (Plastic) or 17126 (Rubber) - 6 Ft. 17109 (Plastic) or 17129 (Rubber) - 9 Ft.