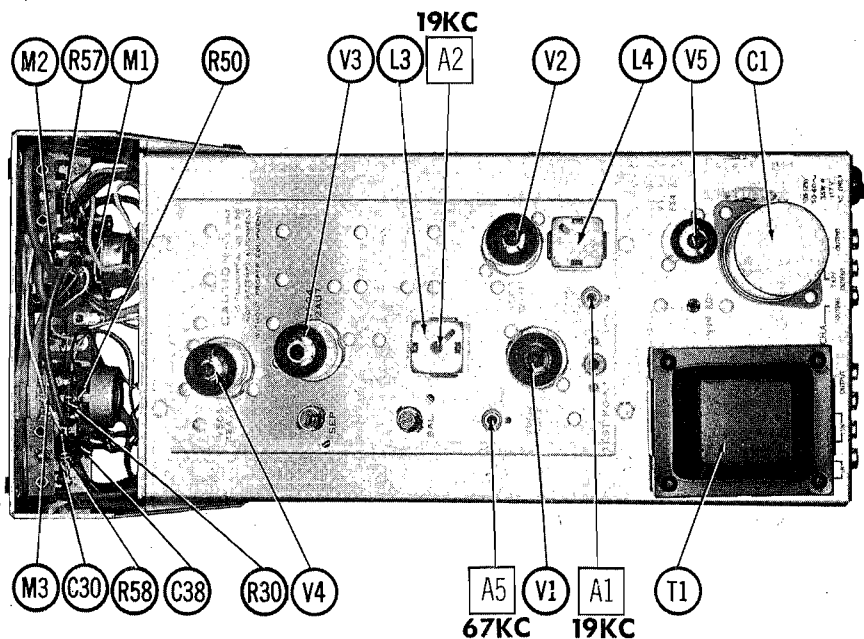




TRADE NAME	H. H. Scott Models 335, LM-35 (KIT)		
MANUFACTURER	H. H. Scott, Inc., 111 Powder Mill Road, Maynard, Mass.		
TYPE SET	AC Operated 5 Tube FM Stereo Multiplex Adapter		
POWER SUPPLY	110-120 Volts AC, 60 Cycles	RATING	23 Watts, .21 Amp. @ 117 Volts AC

ALIGNMENT INSTRUCTIONS

Use only enough generator output to provide a usable indication.

Suggested alignment tools

A1, A5

GENERAL CEMENT #8282, 8606, 9302

WALSCO #2543, 2544, 2588

A2, A3, A4

GENERAL CEMENT #5097, 8727

WALSCO #2515

MULTIPLEX ADAPTER ALIGNMENT USING FM STEREO GENERATOR AND AUDIO OSCILLATOR

	SIGNAL GENERATOR	CONNECT SCOPE	ADJUST	REMARKS
1.	19KC to MPX Input	Vert. Input to pin 2 of V1B, low side to chassis.	A1	Adjust for maximum.
2.	"	Vert. Input to pin 7 of V2A, low side to chassis.	A2, A3,	"
3.	"	Vert. Input to point A low side to chassis.	A4	"
4.	67KC to MPX Input	Vert. Input to point B low side to chassis.	A5	Adjust for MINIMUM.

HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana

The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty 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

LZ867

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Printed in U.S. of America

DATE 5-63

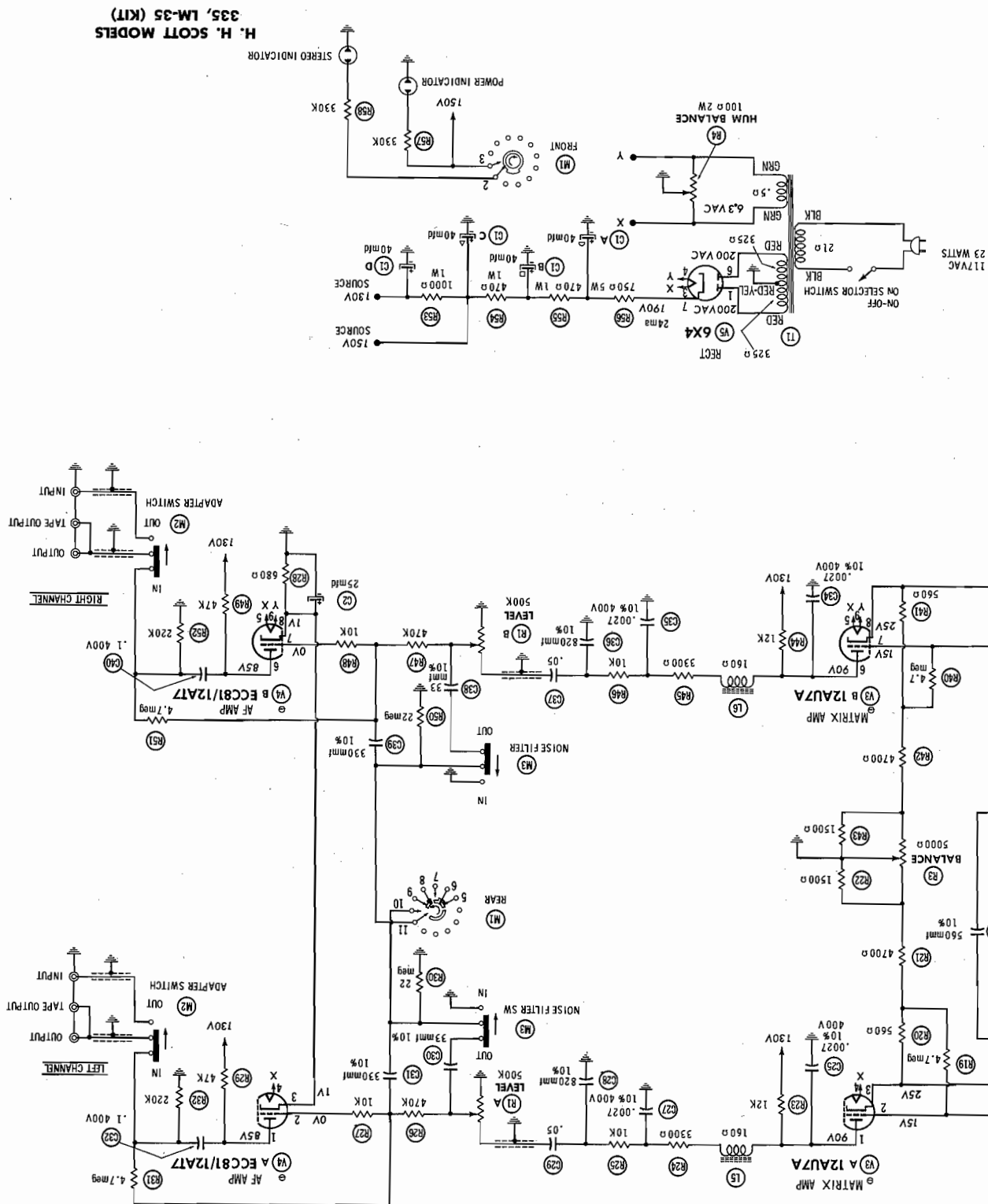
SET 636 FOLDER13

H. H. SCOTT MODELS
335, LM-35 (KIT)

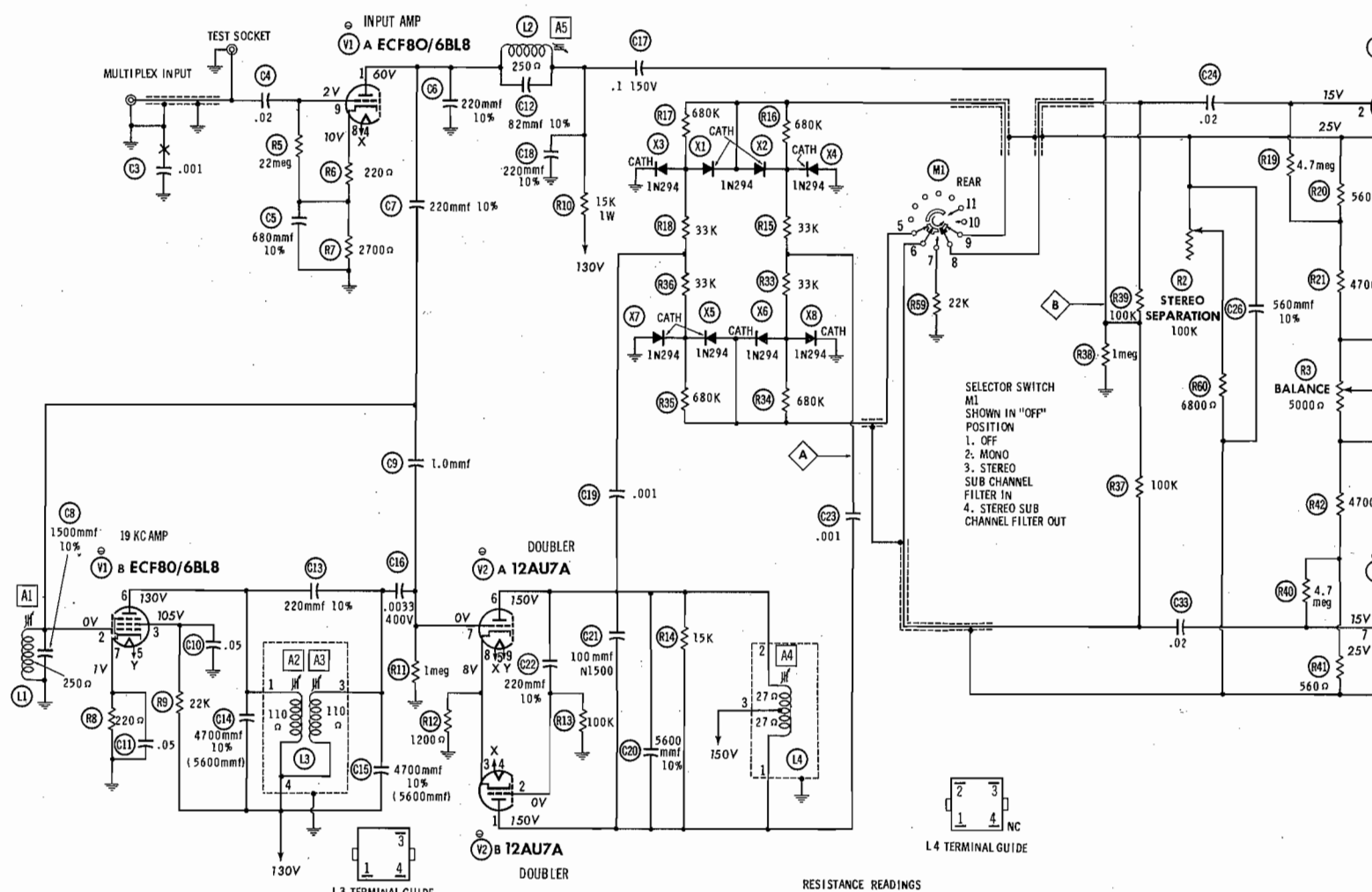
SET 636 FOLDER 13



	Mo 65 :	
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H. H. SCOTT MODELS
335, LM-35 (KIT)



RESISTANCE READINGS

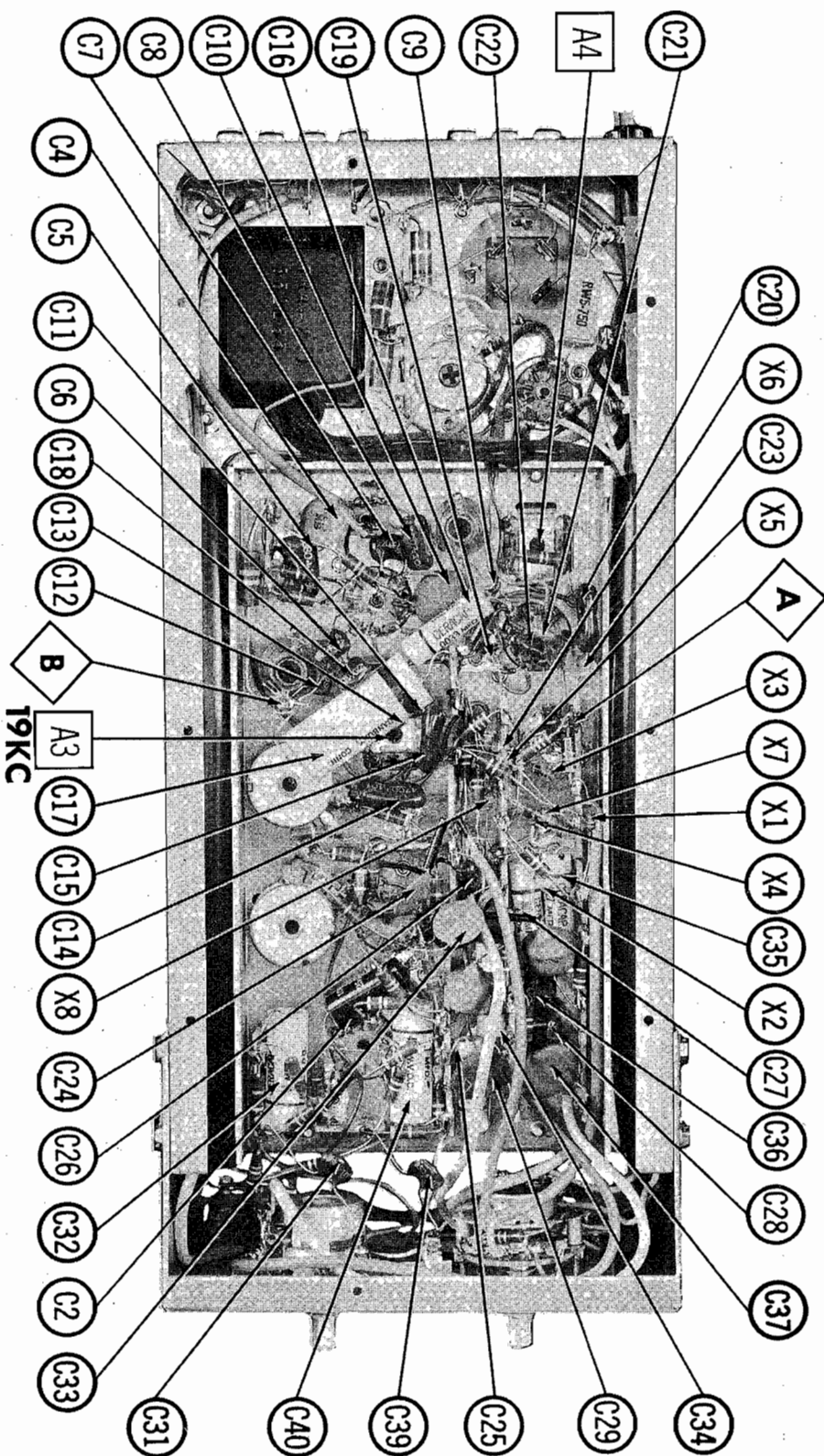
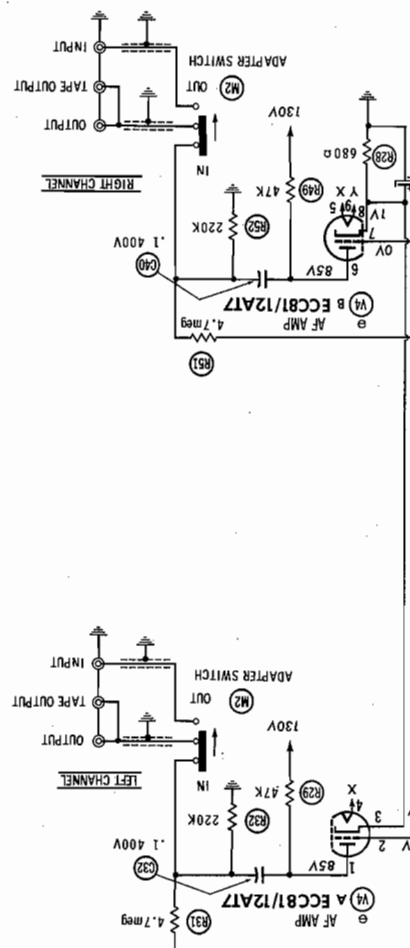
ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	6BL8	118K	220 Ω	124K	FIL	FIL	12700 Ω	220 Ω	2900 Ω	22meg
V2	12AU7A	11700 Ω	100K	1200 Ω	FIL	FIL	11700 Ω	1meg	1200 Ω	FIL
V3	12AU7A	115K	4.7meg	7K	FIL	FIL	115K	4.7meg	7K	FIL
V4	ECC81	150K	470K	680 Ω	FIL	FIL	150K	470K	680 Ω	FIL
V5	6X4	325 Ω	TP	FIL	FIL	NC	325 Ω	1 250K		

† THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE ELECTROLYTIC IN THE CIRCUIT.
 † MEASURED FROM PIN 7 OF V5.
 TP TIE POINT NC NO CONNECTION

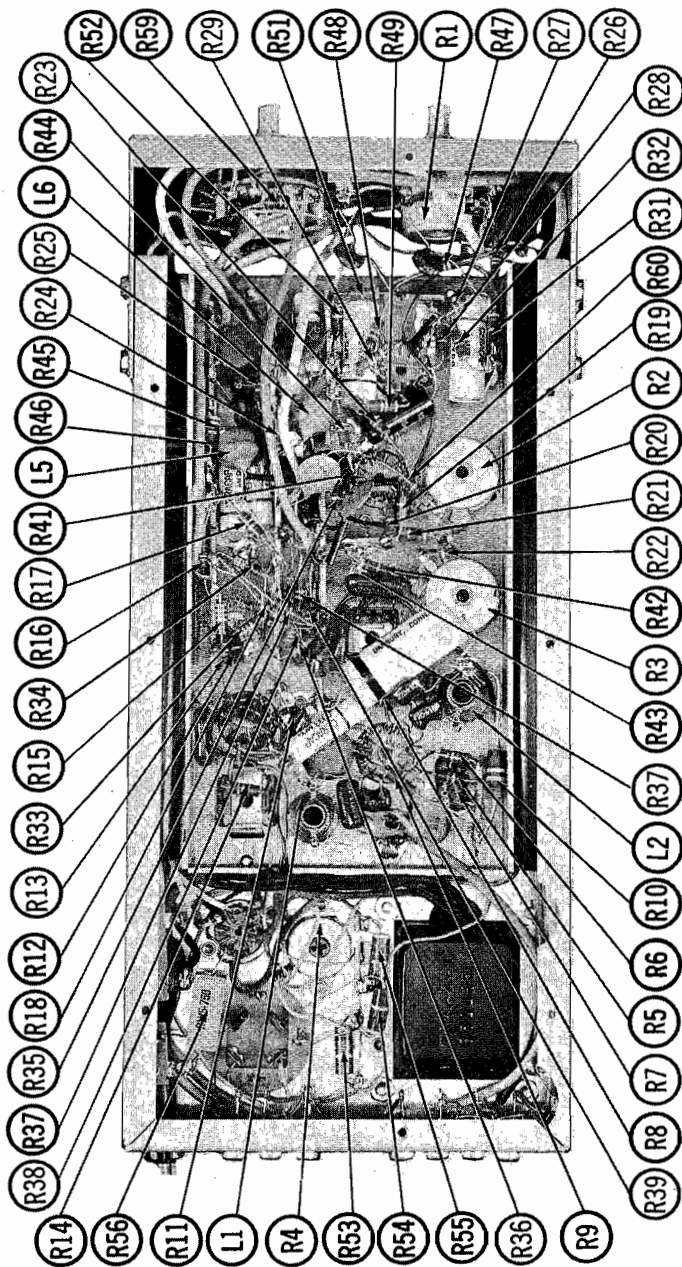
- See parts list for alternate value or application.
- 1. Voltage measurements taken with vacuum tube voltmeter.
- 2. All controls set for normal operation, no signal applied.
- 3. Measured values are from socket pin or terminal to common ground.
- 4. All terminals viewed from bottom unless otherwise designated.
- 5. Numbers assigned to terminals may not be found on the unit.
- 6. Supply voltage maintained at rated value for voltage readings.

H. H. SCOTT MODELS
335, LM-35 (KIT)

PHONO INDICATOR



CHASSIS BOTTOM VIEW - ALIGNMENT & CAPACITOR IDENT.



CHASSIS BOTTOM VIEW - RESISTOR & INDUCTOR IDENT.

PARTS LIST AND DESCRIPTION

WIRING DATA

General-use Unshielded Hook-up Wire		Use BELDEN No. 8530 (Solid) Available in 12 Colors	
Power Cord		8534 (Stranded) Available in 12 Colors	
Power Cord (Interlock Type)		Use BELDEN No. 1706 (Plastic) or 17128 (Rubber) - 6 Ft.	
		1709 (Plastic) or 17128 (Rubber) - 8 Ft.	
		Use BELDEN No. 8874 (Rubber) or 8895 (Plastic)	

TUBES

ITEM No.	USE	GENERAL ELECTRIC		RCA		RAYTHEON		SILVANIA		TYPE
		TYPE	ITEM No.	USE	ITEM No.	USE	ITEM No.	USE	ITEM No.	
V1	MPX Input Amp. -198C	ECF80/6BL8 (6BL8)*	V4	AF Amp. Rectifier						ECC81/12AT7 (12AT7)*
V2	Doubler	12AU7A	V5							6X4
V3	Matrix Amp.	12AU7A								

* Alternate

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS		NOTES
			MALLORY PART No.	SARKIS TARZIAN PART No.	
XI					Switching Diode (R234) or (R234A)

FIXED CAPACITORS (cont)

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNUEL-DUBIEL PART No.	ELMENDO PART No.	MALLORY PART No.	SPRAGUE PART No.
C28	820	10%	1469-00082	CPR-8201	5RT82	CM-20B-33H	GP150	MS-382
C29	.05		BPD-05	DD-503	CUB653	6DP-3-503		5HK-550
C30	.33	10%	1469-00033	CPR-33J	2R5Q33	CM-20B-330H		MS-383
C31	.33	10%	1469-00033	CPR-33J	5RT33	CM-20B-33H		MS-383
C32	.1	400V	P488N-1	DF-104	CUB4P1	4DP-4-104	GEM-401	4TM-3710
C33	.02		BPD-02	DD-203	BY8652	CCD-203	B-120	5HK-550
C34	.0027	10%	BE6D3	CPR-2700J	PM6D3	6DP-1-272	PVC423	6PS-127
C35	.0027	10%	BE6D3	CPR-2700J	PM6D3	6DP-1-272	PVC423	6PS-127
C36	.820	10%	1469-00082	CPR-820J	5RT82	CM-20B-82H	GP150	MS-382
C37	.05		BPD-05	DD-503	CUB653	6DP-3-503		5HK-550
C38	.33	10%	1469-00033	CPR-33J	2R5Q33	CM-20B-33H		MS-383
C39	.33	10%	1469-00033	CPR-33J	5RT82	CM-20B-33H		MS-383
C40	.1	400V	P488N-1	DF-104	CUB4P1	4DP-4-104	GEM-401	4TM-3710

CONTROLS

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

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA		
			H. B. SCOTT PART No.	CENTRALAB PART No.	MALLORY PART No.

PARTS LIST AND DESCRIPTION

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 9530 (Solid) Available in 12 Colors
Power Cord	Use BELDEN No. 8524 (Stranded) Available in 12 Colors
Power Cord (Interlock Type)	Use BELDEN No. 1706 (Plastic) or 17126 (Rubber) - 6 Ft. 1709 (Plastic) or 17128 (Rubber) - 9 Ft.

TUBES

ITEM No.	AMPEREX	GENERAL ELECTRIC	RCA	RAYTHEON	Sylvania	TYPE
V1	MPX Input Amp. -19KC	ECF80/6BL8*	6BL8*		EC81/12AT7 (12AT7)*	TYPE
V2	Matrix Amp.	12AU6	12AU6		6X4	
V3						

* Alternate

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS	NOTES
X1			MALLORY PART No.	
X2			SARKES PART No.	
X3			TARZIAN PART No.	
X4				Switching Diode (IN294)
X5				Switching Diode (IN294)
X6				Switching Diode (IN294)
X7				Switching Diode (IN294)
X8				Switching Diode (IN294)

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	H. H. SCOTT PART No.	CORNELL-DUBILER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	PYRAMID PART No.	SPRAGUE PART No.
C1A	40 250	CBC4X40/250	AFB4-01-70		WP412.8	TMQ4104	TVLS-453.8*
C1B	40 250						
C1C	40 250						
C1D	40 250						
C2	25 25		PTT82	NLW25-50	MT1-12	MLV25-25	TE-1207

* Not normally in distributor's stock. Available thru distributor on order to manufacturer

FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA	REMARKS
C3	.001		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C4	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C5	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C6	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C7	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C8	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C9	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C10	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C11	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C12	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C13	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C14	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C15	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C16	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C17	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C18	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C19	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C20	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C21	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C22	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C23	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C24	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C25	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C26	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C27	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.

FIXED CAPACITORS (cont)

ITEM No.	RATING	REMARKS	REPLACEMENT DATA	REMARKS
C28	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C29	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C30	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C31	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C32	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C33	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C34	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C35	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C36	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C37	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C38	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C39	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.
C40	.02		CORNELL-DUBILER PART No.	SPRAGUE PART No.

CONTROLS

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

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA	REMARKS
R1A	Level, Left	500K	CORNELL-DUBILER PART No.	MALLORY PART No.
R1B	Level, Right	500K	CORNELL-DUBILER PART No.	MALLORY PART No.
R2	Stereo Separation	100K	CORNELL-DUBILER PART No.	MALLORY PART No.
R3	Balance	5000Ω	CORNELL-DUBILER PART No.	MALLORY PART No.
R4	Hum Balance	100Ω (2w)	CORNELL-DUBILER PART No.	MALLORY PART No.

* "SNAPTROL" RESISTORS (Power and Special) ① EXTRA MOUNTING NUT FOR SPACER

COILS (RF-IF)

ITEM No.	RATING	REMARKS	REPLACEMENT DATA	REMARKS
R56	750Ω 5W	5W-SQ-750	CORNELL-DUBILER PART No.	MALLORY PART No.

TRANSFORMER (POWER)

ITEM No.	RATING	REMARKS	REPLACEMENT DATA	REMARKS
T1	117VAC .21A	400VCT 6.3VAC ② 2A	CORNELL-DUBILER PART No.	MALLORY PART No.

MISCELLANEOUS

ITEM No.	PART NAME	H. H. SCOTT PART No.	NOTES
M1	Switch		
M2	Switch		
M3	Switch		