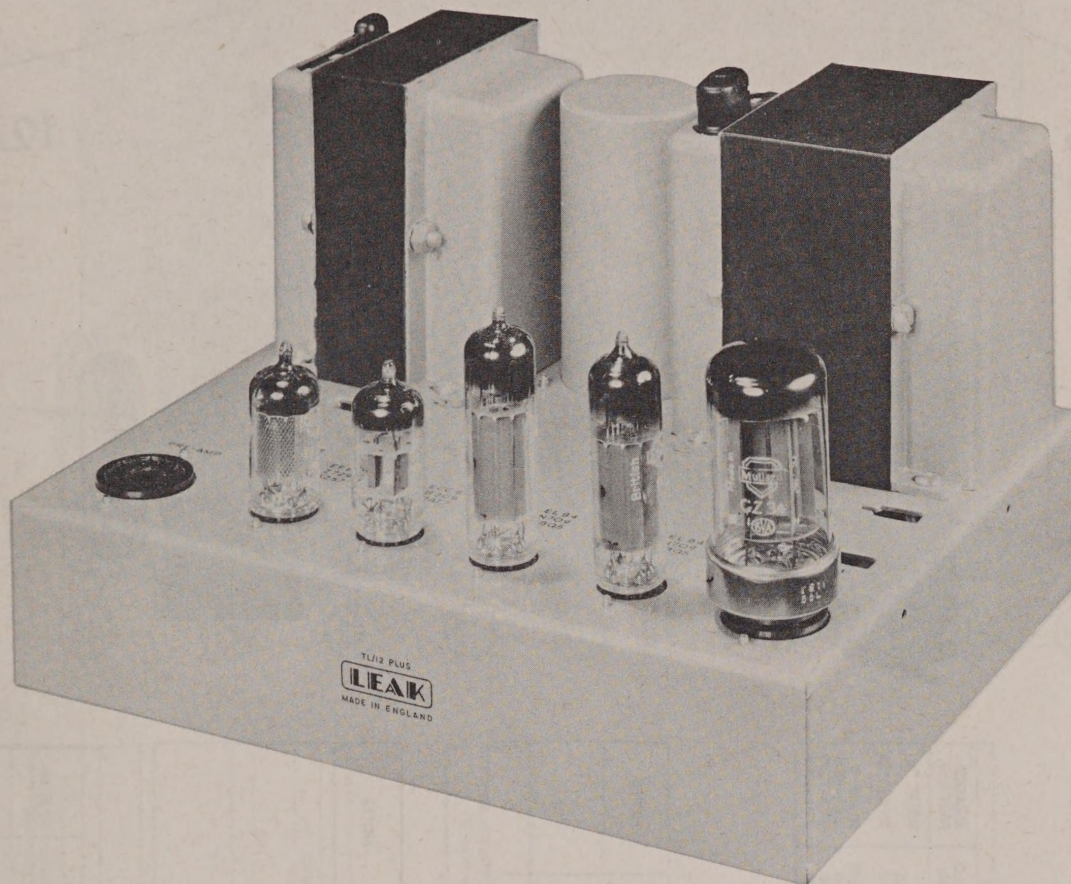


LEAK MODEL
TL/12 PlusLEAK MODEL
TL/12 Plus

TRADE NAME	Leak Model TL/12 Plus		
IMPORTER	British Industries Corp., 80 Shore Road, Port Washington, N. Y.		
TYPE SET	AC Operated Audio Amplifier		
TUBES	Five		
POWER SUPPLY	105/110/117 Volts AC, 60 Cycles	RATING	72 Watts, .70 Amp. @ 117 Volts AC

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 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 H746

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CHASSIS—TOP VIEW

ITEM No.	USE	TYPE	NOTES
V1	AF Amp	EF86/ Z729/ 6267	①
V2	AF Amp - Phase Inverter	ECC81/ B309/ 12A7①	①

① Domestic type listed may not be directly interchangeable in some instances.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	LEAK PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	PYRAMID PART No.	SANGAMO PART No.	SPRAGUE PART No.
C1A	60	450						[Q-068	R2718 *
B	100	450						MT-4540	TVA-2725
C2A	8	450		PRS450V168	BRBD16945			FMD-308	
B	16	450							
C3	1	350			BR145			MMT-4501	RI260 *
C4	50	12		PRS450V1	BR50-25	TC29	TD-50-25	MT-0250	TVA-1206
C5	50	25		SRE12V50	BR50-25	TC29	TD-50-25	MT-0250	TVA-1206
C6	50	25		PRS25V50	BR50-25	TC29	TD-50-25	MT0250	TVA-1206

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

FIXED CAPACITORS

Capacity values given in the rating column are in mfd. for Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING		LEAK PART No.	AEROVOX PART No.	REPLACEMENT DATA			SPRAGUE PART No.	NOTES
	CAP.	VOLT			CENTRALAB PART No.	CORNELL PART No.	MALLOY PART No.		
C7	15			1468-000015	D8-103	5W5Q15	DC511	1FM-415	
C8	10000			SI10000	LT6S1			5HK-S1	
C9		350		P488N-1	CUB4P1		GEM-401	4TM-P1	
C10	.25	350		P488N-25	CUB4P25		GEM-4025	4TM-P25	
C11	.02	175		P288N-02	CUB2S2		GEM-412	2TM-S2	
C12	.25	350		P488N-25	CUB4P25		GEM-4025	4TM-P25	
C13	1200			1468-00002	DD-203	5W5T2	MC237	1FM-32	

RESISTORS

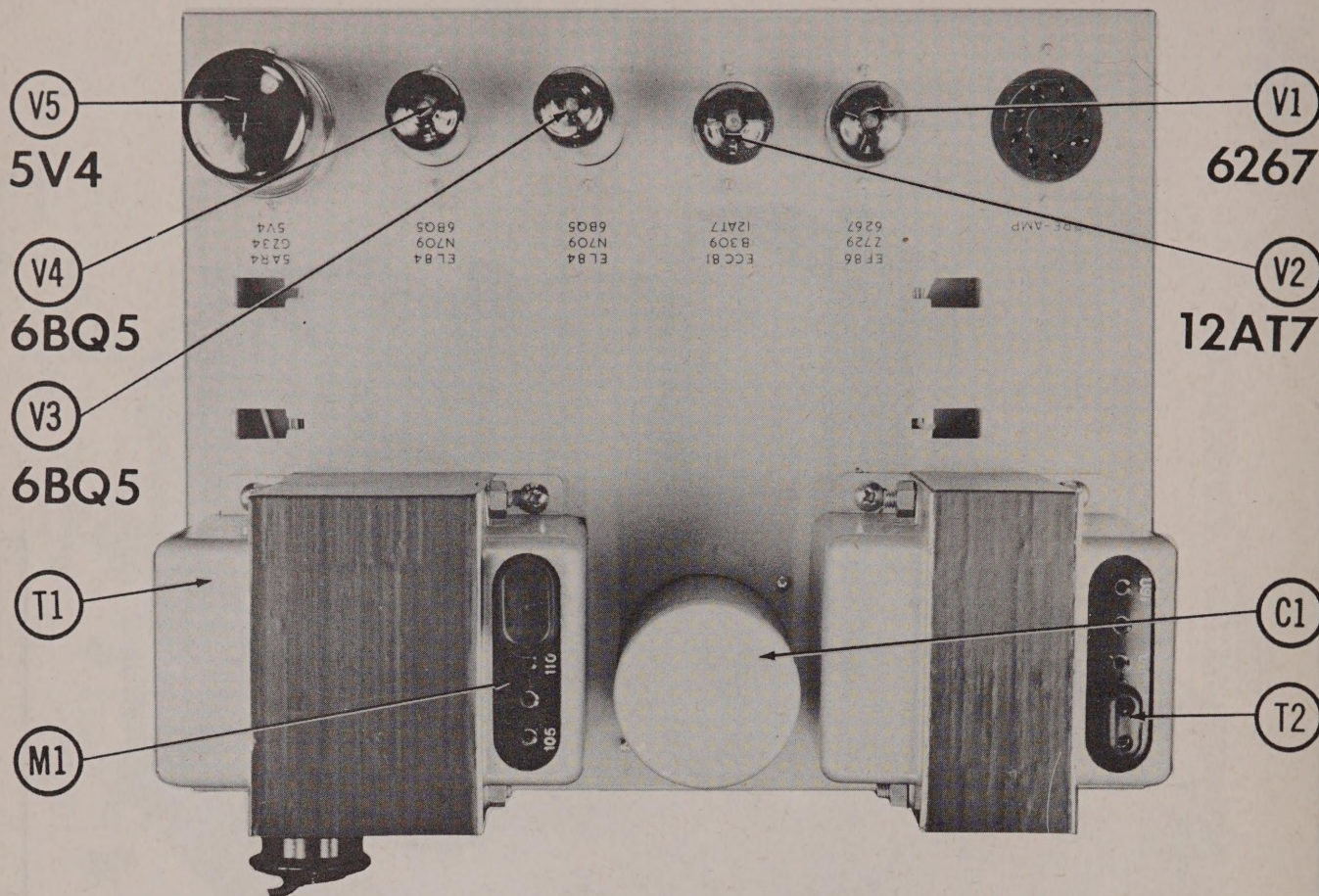
All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	RATING		LEAK PART No.	NOTES
	OHMS	WATT		
R1	1meg			
R2	22K			
R3	82K			
R4	12K			
R5	1meg			
R6	2200Ω			
R7	100Ω			
R8	3.3meg	1		
R9	91K	1		
R10	1000Ω			
R11	22K	1		

TRANSFORMER (POWER)

[illegible]

① Drill new mounting holes. Primary not tapped.



PARTS LIST AND DESCRIPTIONS (Continued)

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA					NOTES
	PRI.	SEC.	Leak Part No.	Holldorson Part No.	Merit Part No.	Ram Part No.	Stancor Part No.	Triad Part No.
T2	8500 160 CT with screen Taps @1400 Ω from CT	160 Taps@ 80, 40, 20	3921	H4103 ①				S-142A ①
① Drill new mounting holes								

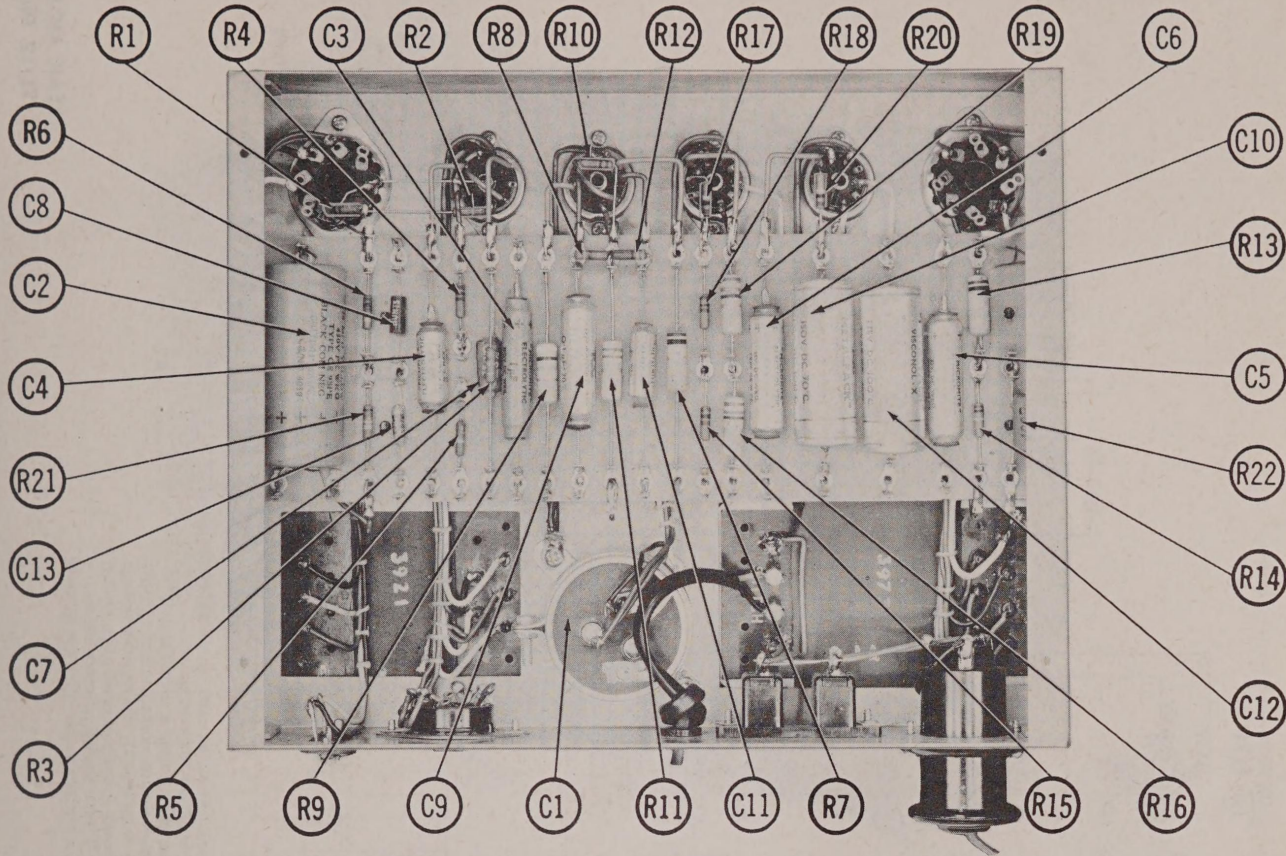
FUSES

ITEM No.	TYPE	RATING	REPLACEMENT DATA					
			LEAK Part No.		LITTELFUSE Part No.		BUSS Part No.	
M1		3A 125V	FUSE	HOLDER	FUSE	HOLDER	FUSE	HOLDER

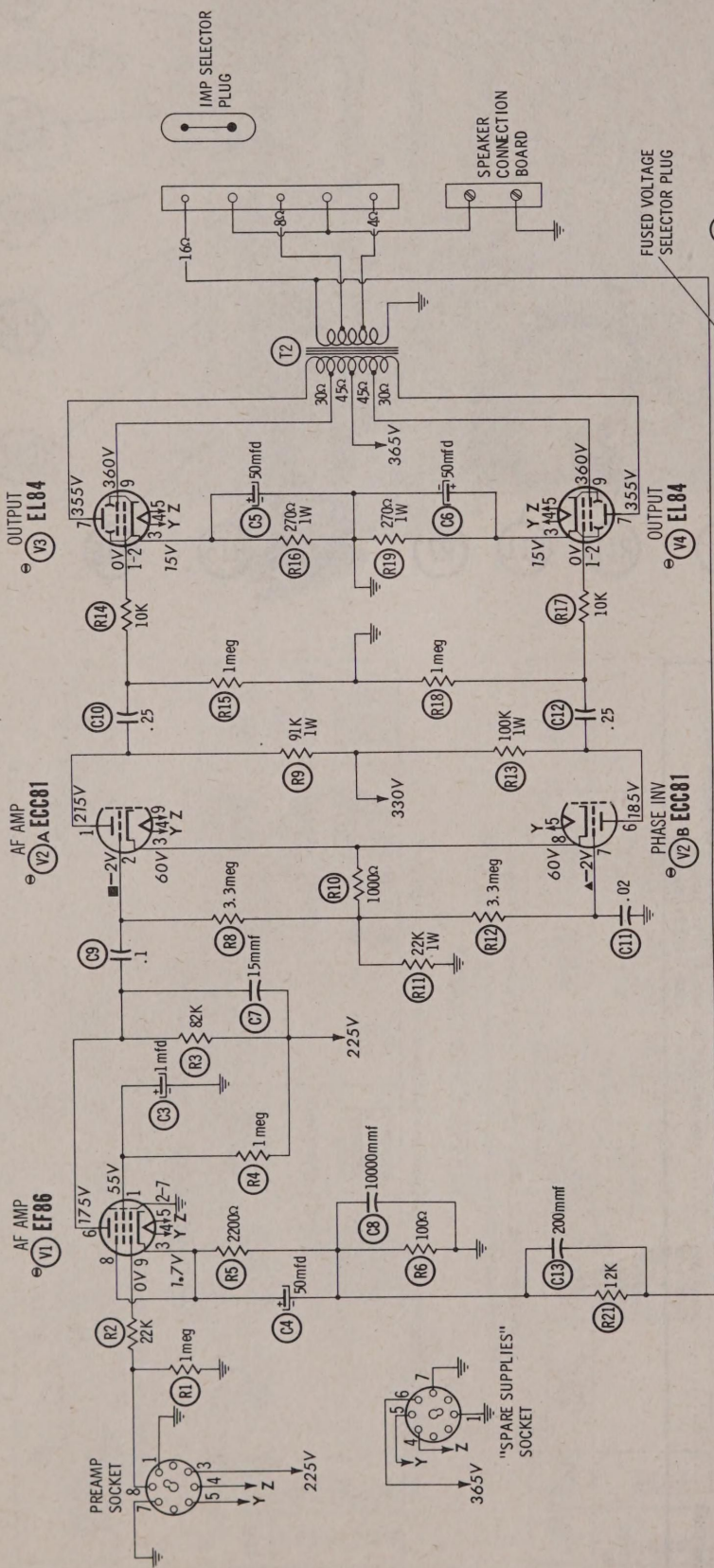
WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in Ten Colors 8524 (Stranded) Available in Ten Colors 1765-B (6 Ft. Length) 1725-K (7½ Ft. Length)
Power Cord	Use BELDEN No. 1765-B (6 Ft. Length) 1725-K (7½ Ft. Length)

CHASSIS—BOTTOM VIEW



LEAK MODEL
TL/12 Plus



SEE PARTS LIST FOR ALTERNATE
VALUE OR APPLICATION
DC COIL RESISTANCE VALUES UNDER ONE OHM
NOT SHOWN ON SCHEMATIC DIAGRAM

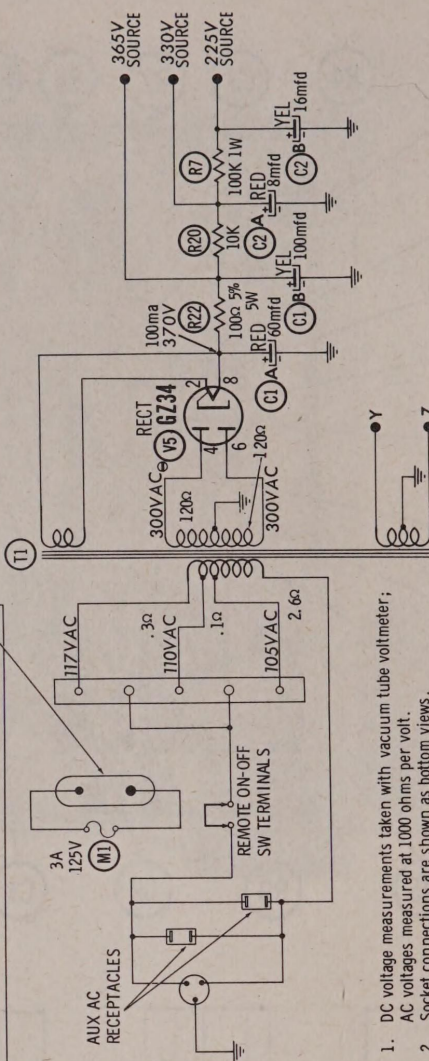
RESISTANCE READINGS

ITEM	TUBE	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9
V1	EF86	1.1meg	0Ω	2300Ω	.1Ω	.1Ω	190K	0Ω	2300Ω	1meg
V2	ECC81	100K	3.3meg	23K	.1Ω	.1Ω	110K	3.3meg	23K	.1Ω
V3	EL84	1meg	1meg	270Ω	.1Ω	.1Ω	NC	176Ω	NC	145Ω
V4	EL84	1meg	1meg	270Ω	.1Ω	.1Ω	NC	175Ω	NC	145Ω
V5	6Z34	NC	NC	NC	120Ω	NC	120Ω	NC	1	1

THIS READING WILL VARY DEPENDING UPON THE CONDITION OF THE
ELECTROLYTIC CAPACITOR CONNECTED IN THE ASSOCIATED CIRCUIT.
↑ MEASURED FROM PIN 8 OF V5.
■ MEASURED FROM PIN 3 OF V2.
NC NO CONNECTION

A PHOTOFACT STANDARD NOTATION SCHEMATIC

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1. DC voltage measurements taken with vacuum tube voltmeter;
2. AC voltages measured at 1000 ohms per volt.
3. Socket connections are shown as bottom views.
4. Line voltage maintained at 117 volts for voltage readings.
5. Nominal tolerance of component values makes possible a variation of $\pm 15\%$ in voltage and resistance readings.
6. All controls at minimum, proper output load connected.

LEAK MODEL
TL/12 Plus