



PHOTOFACT[®] with

CIRCUITRACE[®]

TRADE NAME: Hoffman Model 769 (Revised)

SUPPLIER: For Current Address, See Master Index.

TYPE SET: 9 Transistor AM-FM Auto-Portable Receiver

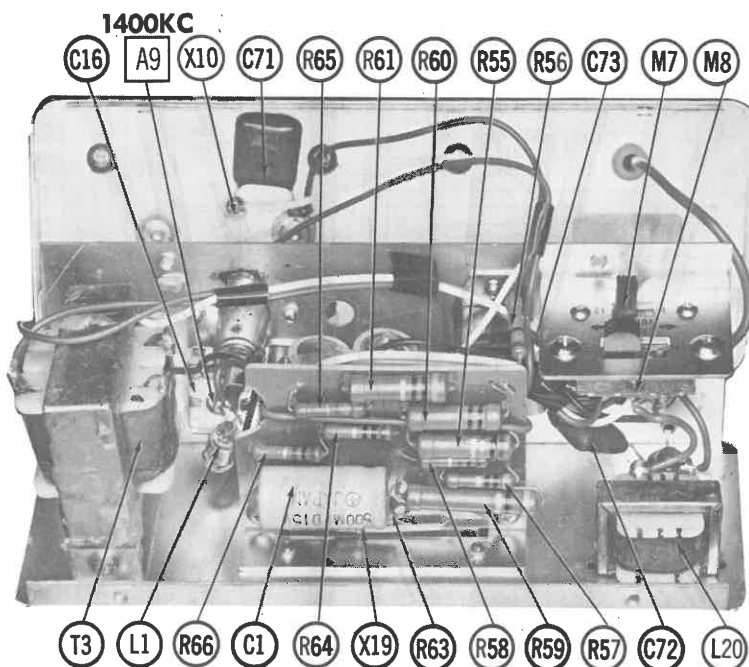
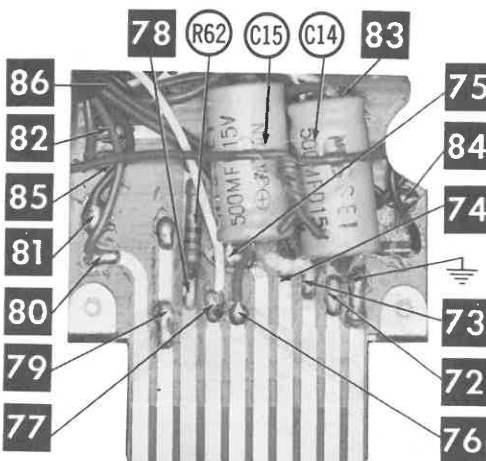
POWER SUPPLY: 6 or 12 Volt Storage Battery (4 Penlight Batteries)

RATING: .220 Amp. @ 6.3 Volts DC, .250 Amp. @ 12.6 Volts DC, .8MA @ 6 Volts DC

TUNING RANGE: BROADCAST 540-1615KC
FREQ. MOD. 88-108MC



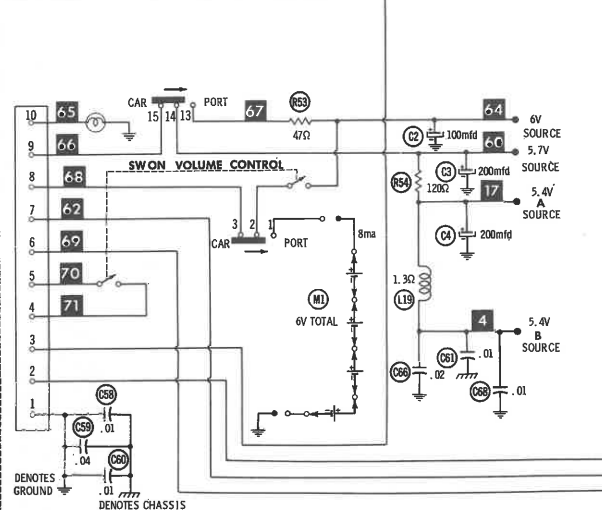
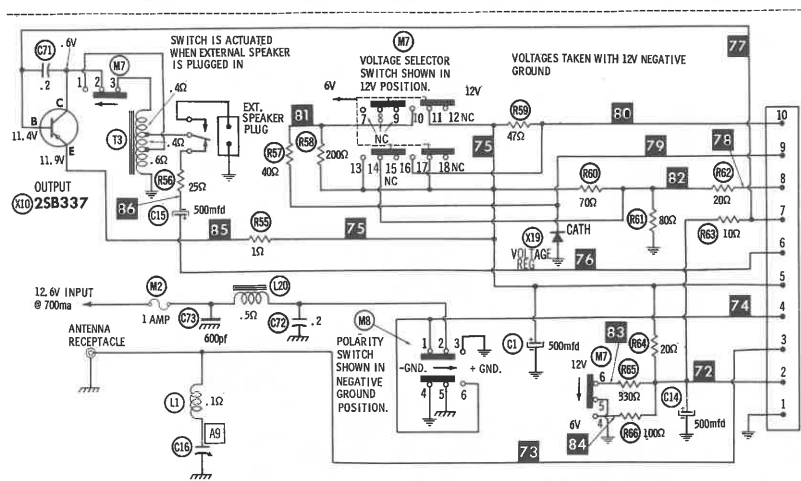
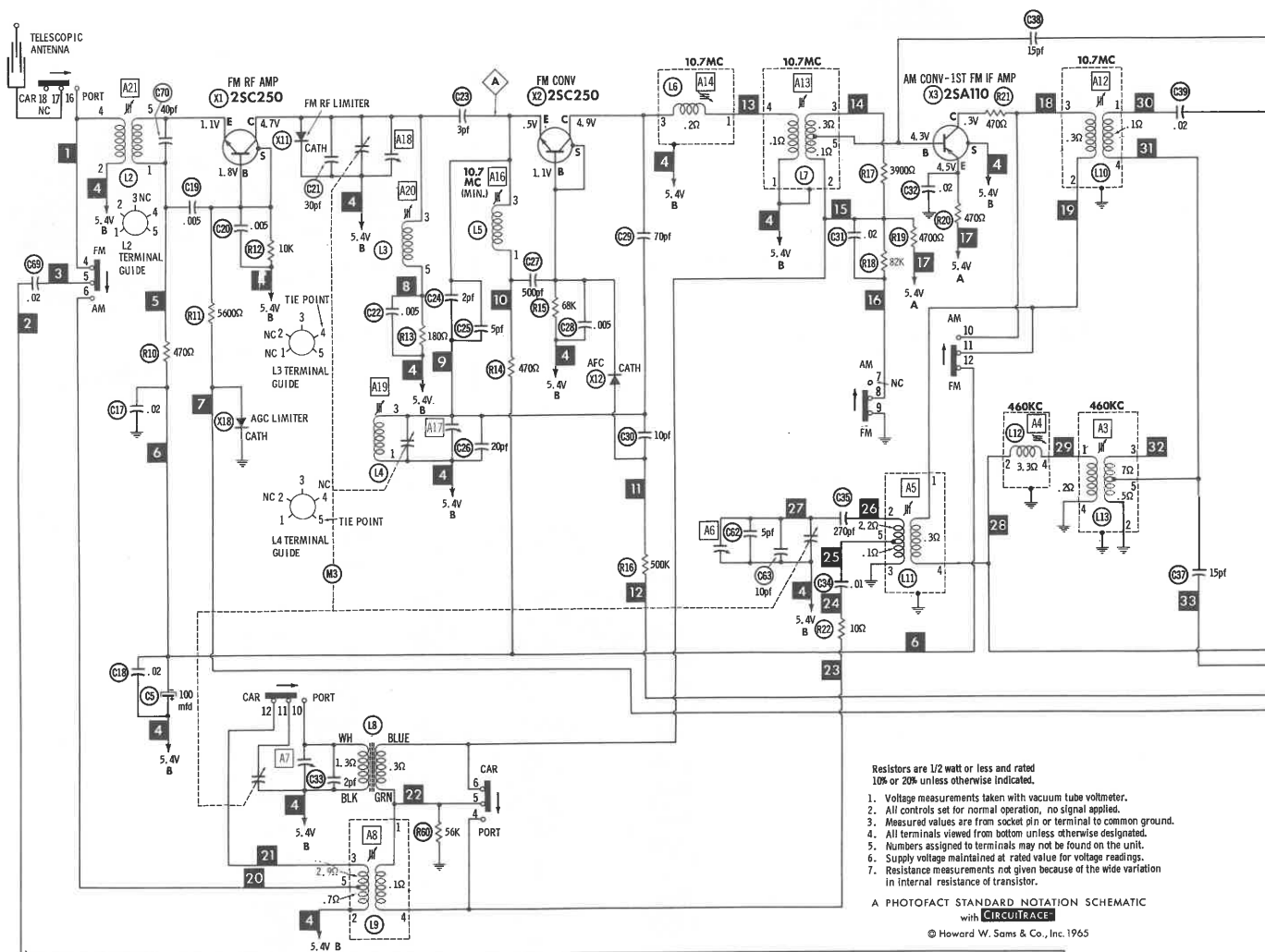
A Howard W. Sams CIRCUITRACE Photo

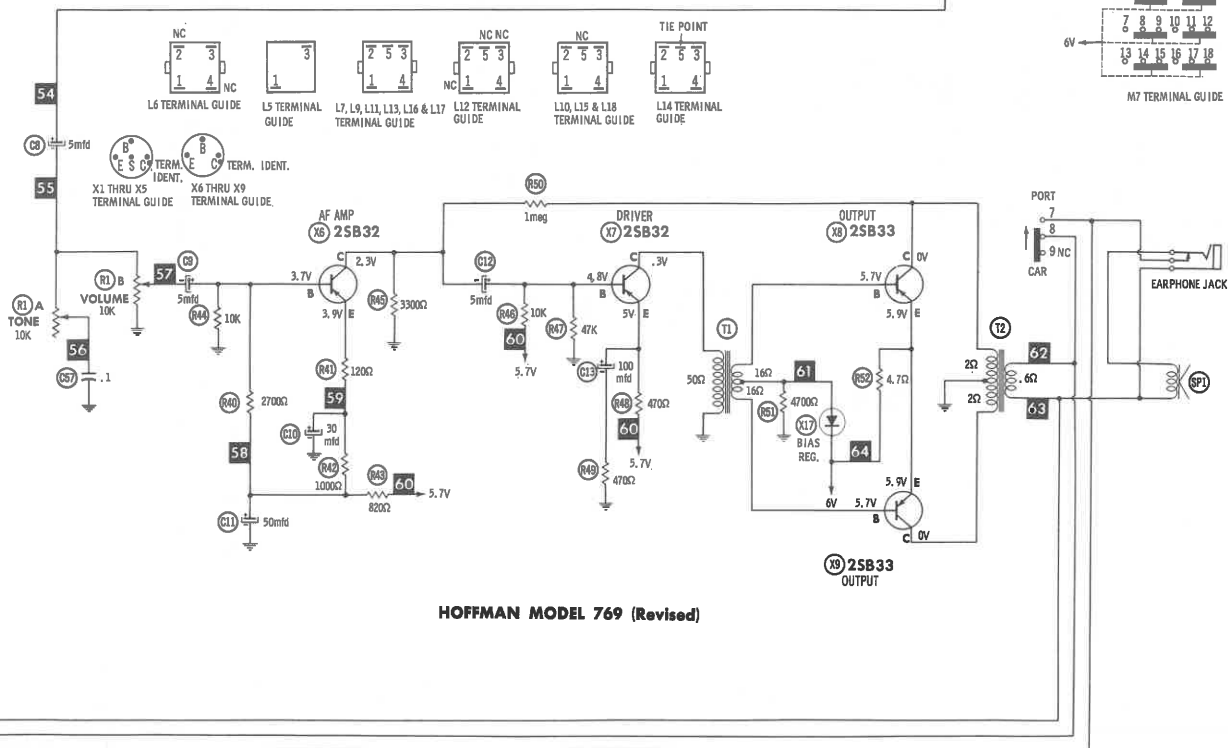
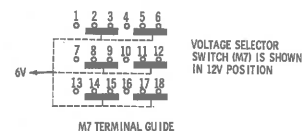
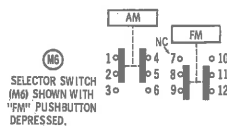
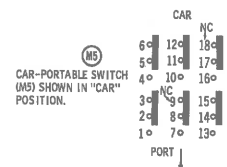
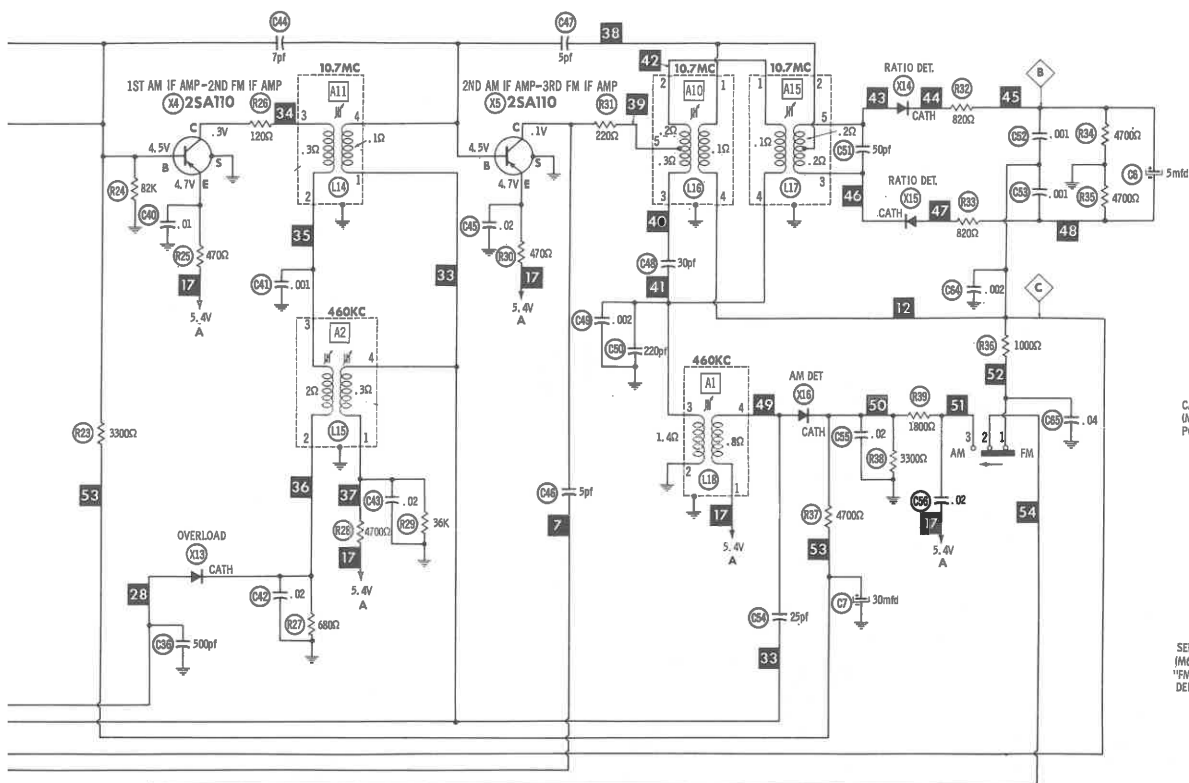


HOFFMAN MODEL 769 (Revised)

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

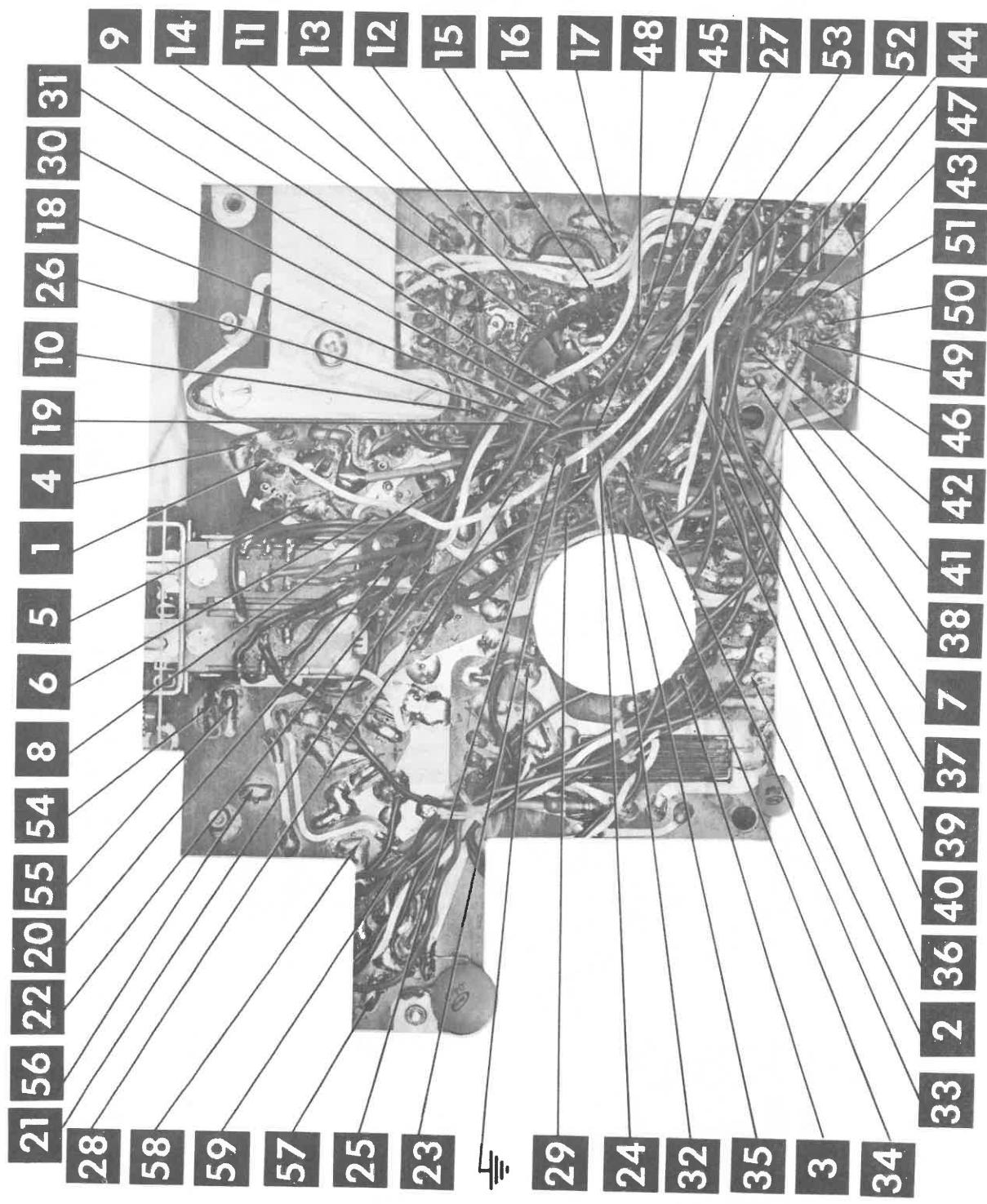
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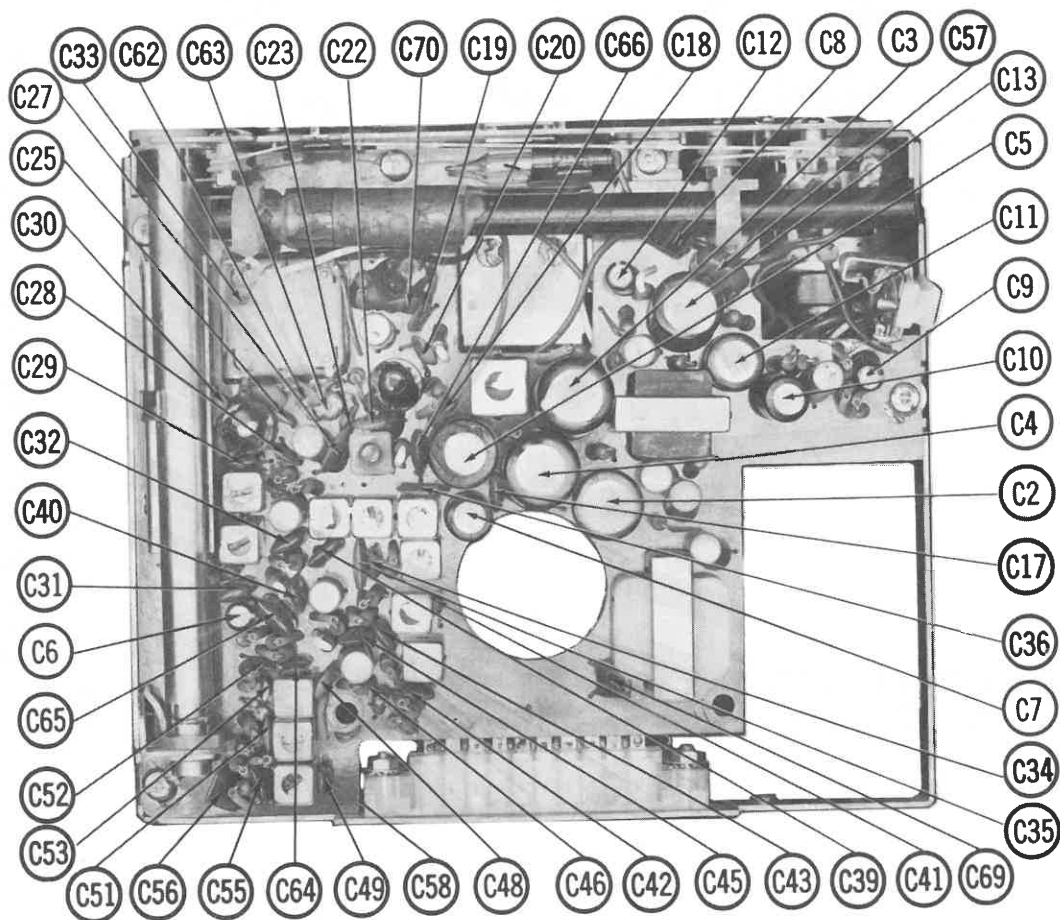
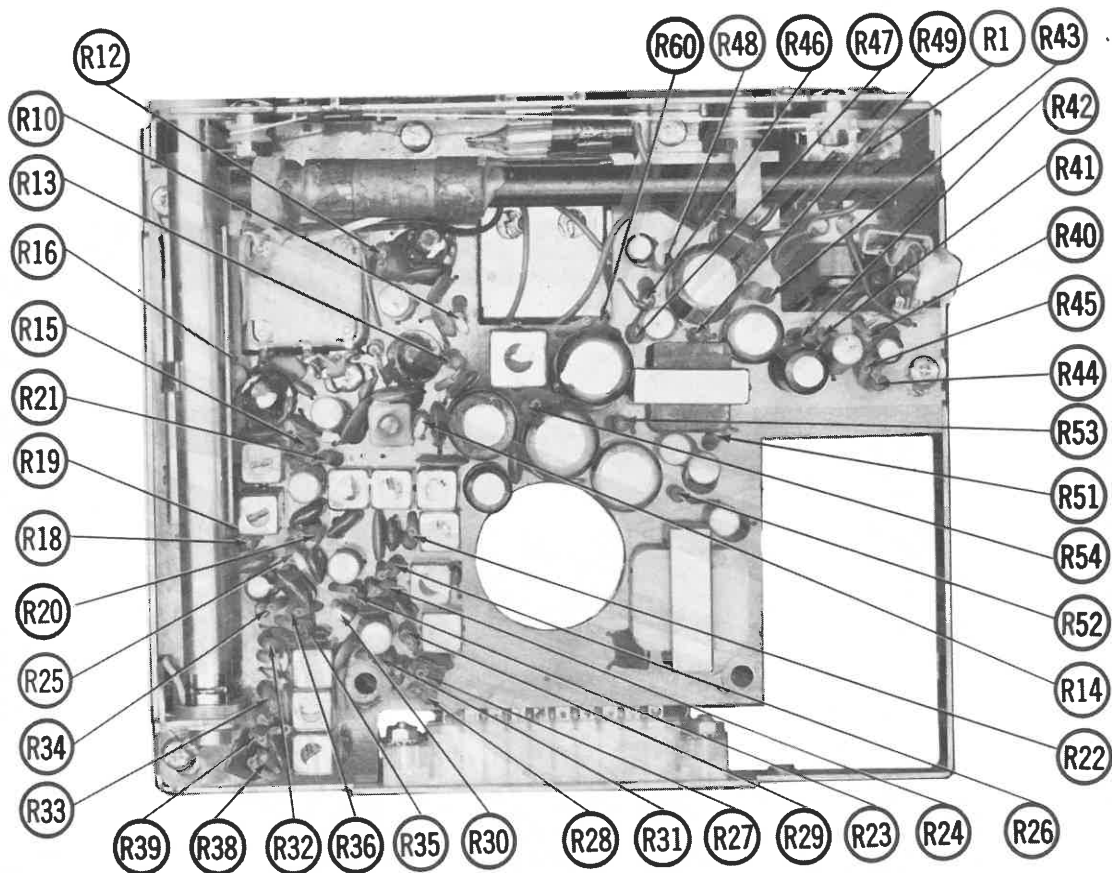
HOFFMAN MODEL 769 (Revised)





A Howard W. Sams CIRCUITRACE® Photo

HOFFMAN MODEL 769 (Revised)



PARTS LIST AND DESCRIPTION

Replacement parts shown may be superseded by the availability of newly introduced replacements. Have your local distributor check Sams COUNTER FACTS for the most up-to-date replacement.

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA		NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	
X1	28C250	FM RF Amp.			NP
X2	28C250	FM Conv.			NP
X3	28A110	AM Conv. -1st. FM IF		2N1180	NP
X4	28A110	1st. AM-2nd. FM IF		2N1180	NP
X5	28A110	2nd. AM-3rd. FM IF		2N1180	NP
X6	28B32	AF Amp.		GE-2	NP
X7	28B33	Driver		GE-2	NP
X8	28B33	Output		GE-2	NP
X9	28B33	Output		GE-2	NP
X10	28B337	Auto Output		GE-3	NP

* When replacing, apply silicon grease to both sides of insulator. Tighten mounting screws securely.

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MEASURED CURRENT	ORIGINAL Part or Type No.	RECTIFIERS		DIODES
			GENERAL ELECTRIC PART No.	MALLORY PART No.	
X11					GENERAL ELECTRIC
X12					GENERAL ELECTRIC
X13					GENERAL ELECTRIC
X14					GENERAL ELECTRIC
X15					GENERAL ELECTRIC
X16					GENERAL ELECTRIC
X17					GENERAL ELECTRIC
X18					GENERAL ELECTRIC
X19					GENERAL ELECTRIC

ELECTROLYTIC CAPACITORS

ITEM No.	RATING CAP.	VOLT.	REPLACEMENT DATA				
			Hoffman PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.
C1	500	15		PR1220	BR500-15	Q11-30	TC1505
C2	100	6		BCD6100	NLW125-6	MT1-21	TV-A-1162
C3	200	6		BCD6200	NLW250-6	MT1-21	TV-A-1162
C4	200	6		BCD6200	NLW250-6	MT1-21	TV-A-1162
C5	100	6		BCD6005	NLW125-6	MT1-21	TV-A-1162
C6	5	6		BCD6005	NLW5-15	MT1-3	TV-A-1162
C7	30	6		BCD6005	ECSP35-10	MT1-3	TV-A-1162
C8	5	6		BCD6005	NLW5-15	MT1-3	TV-A-1162
C9	5	6		BCD6005	NLW5-15	MT1-3	TV-A-1162
C10	30	6		BCD6005	ECSP35-10	MT1-3	TV-A-1162
C11	50	6		BCD6005	NLW125-6	MT1-15	TV-A-1162
C12	5	6		BCD6100	NLW125-6	MT1-21	TV-A-1162
C13	500	15		PR1220	BR500-15	Q11-30	TV-A-1162
C14	500	15		PR1220	BR500-15	Q11-30	TV-A-1162
C15	500	15		PR1220	BR500-15	Q11-30	TV-A-1162

FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				
			AEROVOX PART No.	CORNELL-DUBILIER PART No.	ELWENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C16	.02		BPD-02	DD-203	CCD-203	B120	5HK-820
C17	.02		BPD-02	DD-203	CCD-203	B120	5HK-820
C18	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C19	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C20	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C21	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C22	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C23	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C24	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C25	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C26	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C27	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C28	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C29	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C30	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C31	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C32	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C33	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C34	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C35	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C36	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C37	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C38	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C39	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C40	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C41	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C42	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C43	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C44	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C45	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C46	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C47	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C48	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C49	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C50	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C51	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C52	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C53	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C54	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C55	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C56	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C57	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C58	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C59	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C60	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C61	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C62	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C63	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C64	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C65	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C66	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C67	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C68	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C69	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C70	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C71	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C72	.005		BPD-005	DD-502	CCD-502	B250	5HK-820
C73	.005		BPD-005	DD-502	CCD-502	B250	5HK-820

FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				
			AEROVOX PART No.	CORNELL-DUBILIER PART No.	ELWENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C33	2		NPO-DI 2.2	C10V22C	CCCTO-2R2	CNO522	10TCC-V22
C34	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C35	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C36	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C37	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C38	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C39	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C40	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C41	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C42	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C43	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C44	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C45	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C46	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C47	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C48	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C49	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C50	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C51	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C52	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C53	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C54	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C55	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C56	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C57	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C58	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C59	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C60	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C61	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C62	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C63	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C64	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C65	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C66	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C67	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C68	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C69	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C70	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C71	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C72	.01		DD-270	DD-270	CCD-103	B110	5HK-810
C73	.01		DD-270	DD-270	CCD-103	B110	5HK-810

CONTROLS

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

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA				
			Hoffman PART No.	CORNELL-DUBILIER PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1A	Tone	10K					
B	Volume/Switch	10K					

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				
		Hoffman PART No.	MERIT PART No.	STANCOR PART No.	WORKMAN PART No.	NOTES
L1	RF Choke					
L2	FM Ant.					
L3	FM RF					
L4	FM Osc.					
L5	1st FM Trap					
L6	1st FM IF					
L7	2nd FM IF					
L8	Longtick					
L9	AM Ant.					
L10	3rd FM IF					
L11	AM Osc.					
L12	1st AM IF					
L13	2nd AM IF					
L14	4th FM IF					

HOFFMAN MODEL 769 (Revised)

PARTS LIST AND DESCRIPTION (CONTINUED)

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Have your local distributor check Sams COUNTER FACTS for the most up-to-date replacement.

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				NOTES
		PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	WORKMAN PART No.
L15	3rd AM IF					
L16	Ratio Det. Pri.					
L17	Ratio Det. Sec.					
L18	4th FM IF					
L19	RF Choke					

FILTER CHOKE

ITEM No.	RATINGS					NOTES
	CURRENT (Measured)	INDUCTANCE (1000~)	Hoffman PART No.	MERIT PART No.	STANCOR PART No.	THORNDARSON PART No.
L20	700ma	.50 8MH	C-4095	TC-2	TR-155	TY17XT

TRANSFORMER (DRIVER)

ITEM No.	REPLACEMENT DATA				NOTES
	Turns Ratio	Hoffman PART No.	MERIT PART No.	STANCOR PART No.	THORNDARSON PART No.
T1	1.3: 1				

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	REPLACEMENT DATA				NOTES
	Impedance	Hoffman PART No.	MERIT PART No.	STANCOR PART No.	THORNDARSON PART No.
T2	500 CT				
T3	1200 Tap @ 80				

BATTERIES

ITEM No.	VOLTAGE	Hoffman PART No.	REPLACEMENT DATA			NOTES
			BURGESS	EVEREADY	MALLORY	
M1	6V		930 (or AL9 or Hg9)	1015 (or E91 or E9)	M15R (or MN1500 or ZM9) (4 Required)	

FUSES

ITEM No.	TYPE	RATING	REPLACEMENT DATA			
			Hoffman PART No.	LITTELFUSE PART No.	BUSS PART No.	HOLDER
M2	1A			362001	155014	AGX1

MISCELLANEOUS

ITEM No.	PART NAME	Hoffman PART No.	REPLACEMENT DATA	
			ITEM No.	QUAM PART No.
M3	Tuning Gang			
M4	Spark Plate			
M5	Switch (Auto-Port)			
M6	Selector Switch			
M7	(AM-FM) Voltage Selector			
M8	Polarity Switch			

SPEAKER

ITEM No.	TYPE	Hoffman PART No.	QUAM PART No.
SP1	2 3/4" PM	80	

WIRING DATA

General-use Unshielded Hook-up Wire Use BELDEN No. 8530 (Solid) Available in 12 Colors
Shielded Hook-up Wire Use BELDEN No. 8524 (Stranded) Available in 12 Colors
Rear Seat Speaker Extension Cable Use BELDEN No. 8885
Bonding Strap Use BELDEN No. 8782 (Stranded) Coded Parallel Leads
..... Use BELDEN No. 8661 (3/8 in.) or 8670 (3/4 in.)

