

PHOTOFACT® Folder

BECKER MODEL
Monte Carlo MBECKER MODEL
Monte Carlo M

HOOKED ON TRANSFORMER

TUNING SLUGS FULLY IN
(TUNING SHAFT FULLY CLOCKWISE)

HOOKED TO CHASSIS

1600KC

500KC

HOOKED TO CHASSIS

TRADE NAME Becker Model Monte Carlo M
SUPPLIER Becker AutoRadio U.S.A. Inc., 613-19 S. 24th Street, Philadelphia 46, Pa.
TYPE SET Battery Operated 4 Tube Automobile AM Receiver
POWER SUPPLY 6 (or) 12 Volt Storage Battery RATING 4.4 Amp. @ 6.3 Volts DC (or)
TUNING RANGE—BROADCAST 520 — 1720KC 2.5 Amp. @ 12.6 Volts DC

ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Use only enough generator output to provide a usable indication.

Suggested Alignment Tools: A6, A10... GENERAL CEMENT #5004, 5009, 8195, 8274, 8275, 8607, 8728, 8987, 8988, 8989, 9291
WALSCO #2515, 2520, 2522, 2523, 2531, 2532, 2534, 2537, 2538

SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR Connect VTVM	ADJUST	REMARKS
1. High side thru .1mf to pin 2 (grid) of Converter, low side to chassis.	460KC (Unmod.)	High Freq. Stop	DC probe to point A, common to chassis.	A1, A2, A3, A4	Adjust for maximum deflection.
2. Thru dummy (Fig. 1) to antenna receptacle.	460KC	"	"	A5	Adjust for MINIMUM deflection.
3. "	1720KC	"	"	A6	Adjust for maximum deflection.
4. "	520KC	520KC	"	A7, A8	"
5. "	560KC	560KC	"	A9	"
6. "	1400KC	1400KC	"	A10	"
7. With radio installed in car and antenna fully extended, tune in a weak station near 1400KC and adjust A10 for maximum output.					

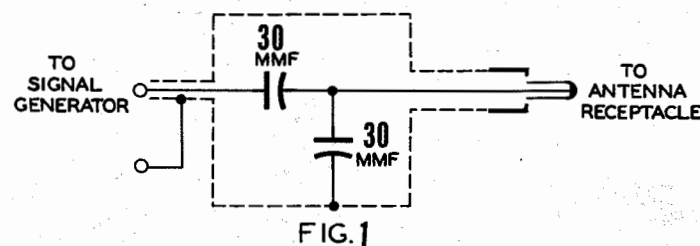


FIG. 1

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 LD549

the particular type of replacement part listed. Reproduction or use, without express permission, of editorial or pictorial content, in any manner, is prohibited. No patent liability is assumed with respect to the use of the information contained herein. © 1962 Howard W. Sams & Co., Inc., Indianapolis 6, Indiana. Printed in U.S. of America

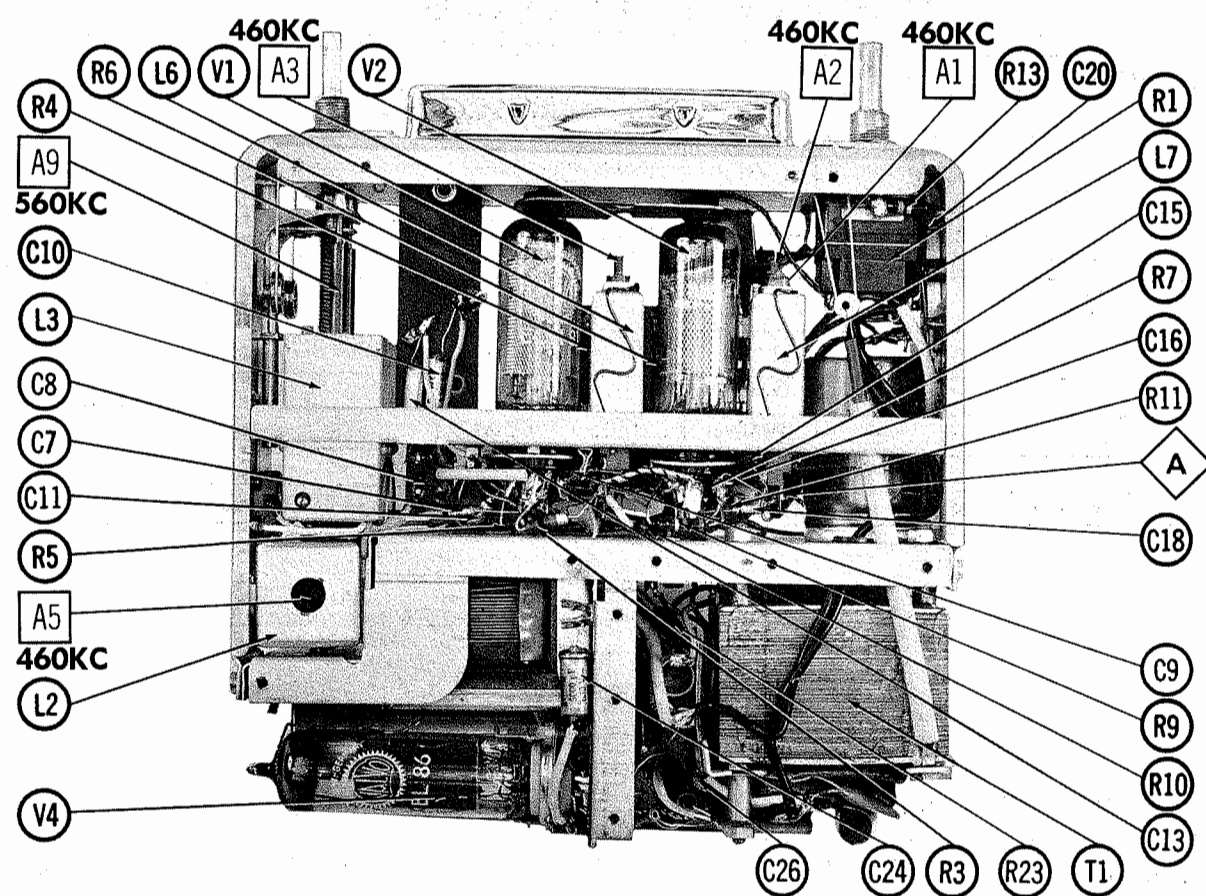
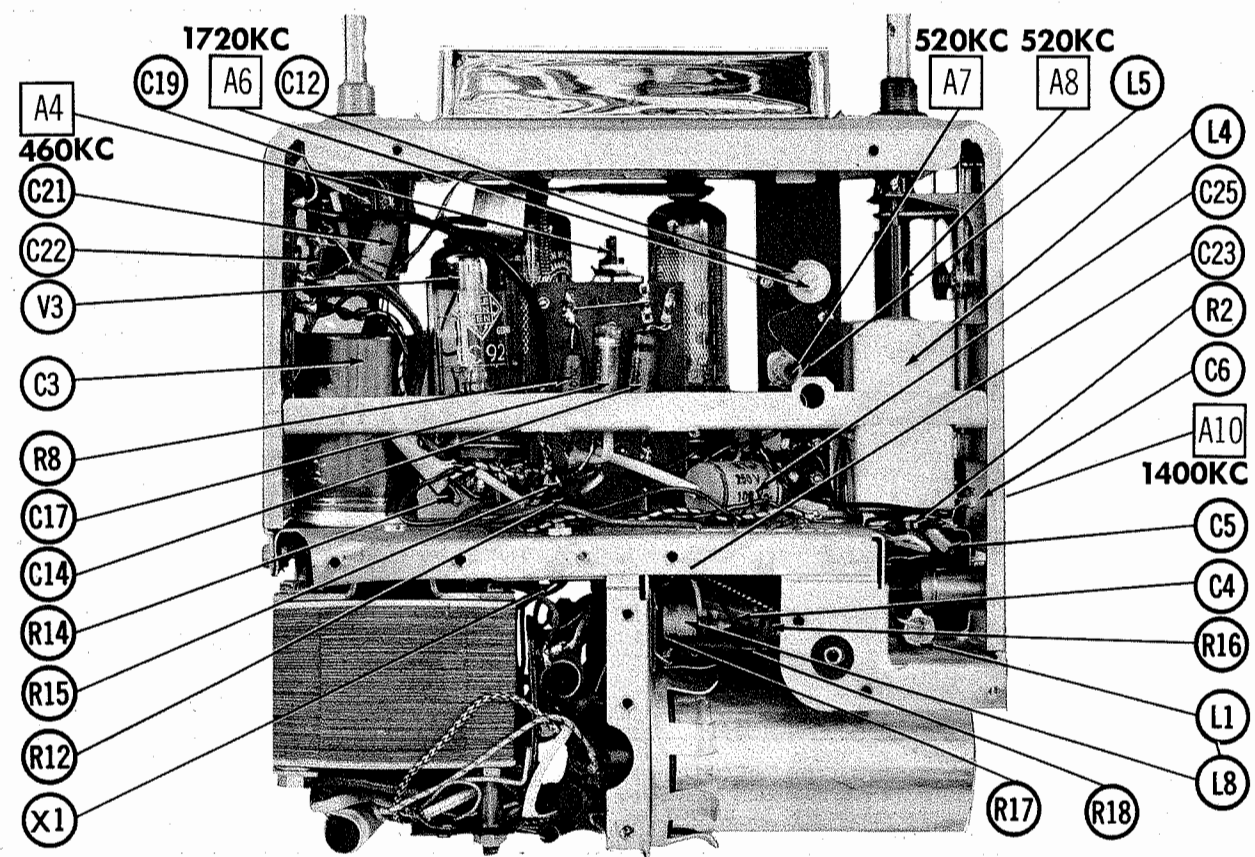
DATE 10 - 62

SET 598

FOLDER 5

BECKER MODEL
Monte Carlo M

SET 598 FOLDER 5



CHASSIS PHOTOS

PARTS LIST AND DESCRIPTIONS
 WIRING DATA

General-use Unshielded Hook-up Wire	Use Belden No. 8530 (Solid) Available in 12 Colors
Shielded Hook-up Wire	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. 8681 (3/8 In.) or 8670 (3/4 In.)

TUBES

AMPEREX - GENERAL ELECTRIC - RAYTHEON - SYLVANIA		
ITEM No.	USE	TYPE
V1	Mixer-Osc.	ECB81
V2	IF Amp. -Det. -AVC	EBF89
V3	AF Amplifier	EC92
V4	Output	EL86

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	CURRENT RATING (Measured)	RECTIFIERS		DIODES	NOTES
		ORIGINAL Part or Type No.	SARKES TARZIAN Part No.	RAYTHEON Part No.	
X1	.062A	B250C100 T	1N2862 *	F4 *	† Selenium Bridge * Selenium, 4 Required

ELECTROLYTIC CAPACITORS

ITEM No.	RATING CAP. VOIT.	REPLACEMENT DATA			
		AEROVOX Part No.	CORNELL-DUBILIER Part No.	GENERAL ELECTRIC Part No.	SPRAGUE Part No.
C1	100 20/25	PTT86	NLW100-25	MTI-20	TD-100-25
C2	100 20/25	PTT86	NLW100-25	MTI-20	TE-1211
C3A	50 250/300				
C3B	50 250/300				
C4	100 20/25	PTT86	NLW100-25	MTI-20	TD-100-25
					TE-1211

PARTS LIST AND DESCRIPTIONS (Continued)

FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA			
			AEROVOX Part No.	CENTRALAB Part No.	CORNELL-DUBILIER Part No.	EIMENCO Part No.
C5	.001		BPD-001	DD-103	BYA10D1	CCD-102
C6	10-60			823-BN		B-210
C7	150		BPD-00015	DD-151	LI07T5	CCD-151
C8	300 +25%		DI-300	DD-301	LI07T3	CCD-301
C9	.047 250V		P488N-047	DD-503	CUB4S47	4DP-3-473
C10	330 50 ±25%		DI-330	DD-331	LI07T33	CCD-331
C11	50 5%		DI-50	DD-500	LI0Q5	CCD-500
C12	10-40			833-BN		GP350
C13	500 500V +25%		DI-500	DD-501	LI07T5	CCD-501
C14	.022 400V		P488N-022	DD-303	CUB4S22	4DP-2-223
C15	50 350V 5%		DI-50	DD-500	LI0Q5	CCD-500
C16	.01 400V 10%		V84C4S1-10%	DD-103	DPM54S1	4DP-1-103
C17	.003		DI-3000	DD-302	BYA10D3	CCD-302
C18	100		BPD-0001	DD-101	LI07T1	CCD-101
C19	.01 250V		P488N-01	DD-103	CUB4S1	4DP-1-103
C20	.01 250V		P488N-01	DD-103	CUB4S1	4DP-1-103
C21	.01 250V		P488N-01	DD-103	CUB4S1	4DP-1-103
C22	.0047 500V		P488N-0047	DD-472	CUB6D47	6DP-1-472
C23	.01 400V		P488N-01	DD-103	CUB4S1	4DP-1-103
C24	.005 300V		P488N-005	DD-103	CUB4S1	4DP-1-103
C25	.1 100V		P288N-1	DD-502	CUB4P1	IDP-2-104
C26	.03		P488N-03	DD-303	CUB6S3	4DP-2-303
C27	.1 125V		P288N-1	DD-303	CUB2P1	2DP-3-104
C28	.025					
C29	.025					
C30	.01		BPD-01	DD-103	BYA10S1	CCD-103

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

CONTROLS

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

ITEM No.	USE	REPLACEMENT DATA		
		RESISTANCE	CENTRALAB Part No.	CLAROSTAT Part No.
R1	Volume & Switch	1.3meg 350K Tap		

RESISTORS

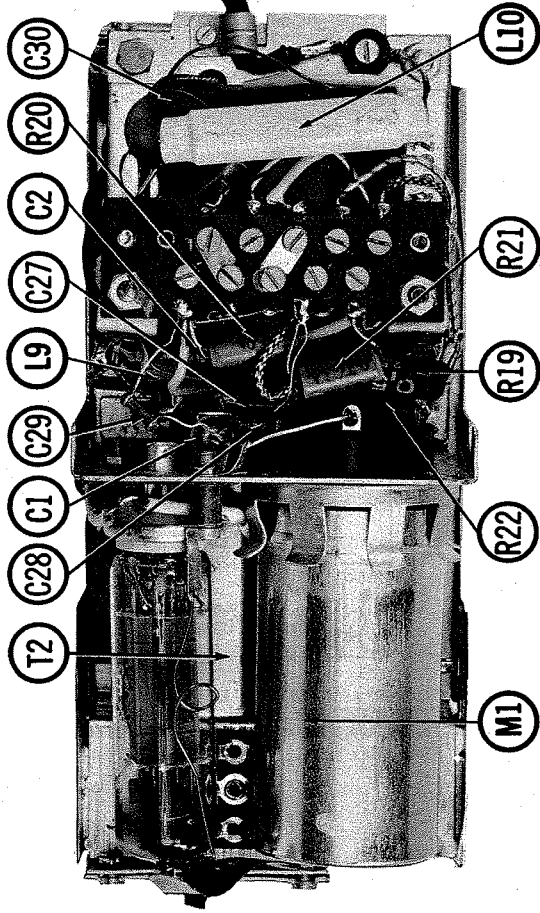
All wattages 1/2 watt, or less, unless otherwise listed.

ITEM No.	RATING	REPLACEMENT DATA		RATING	REMARKS
		IRC Part No.	WORKMAN Part No.		
R2	500K				
R3	1meg				
R4	20K 1W				
R5	50K				
R6	30K 1W				
R7	4000Ω				
R8	100K				
R9	1meg				
R10	100K				
R11	100K				
R12	400K				

MISCELLANEOUS

ITEM No.	PART NAME	BECKER PART No.	NOTES
	Dial Glass	653E002-01	

POWER CHASSIS



COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		BECKER Part No.	Merit Part No.	Miller Part No.	Stancor Part No.
L1	RF Choke (4.5uh)	BV 65L 951			
L2	480KC Trap	BV 65L 956			
L3	Ant.	BV 65L 957			
L4	Osc.	BV 65L 958			
L5	Series Osc.	BV 65L 953			
L6	Input IF	API001/52			
L7	Output IF	WE12073			
L8	RF Choke				
L9	RF Choke				
L10	Hash Choke				

TRANSFORMER (POWER)

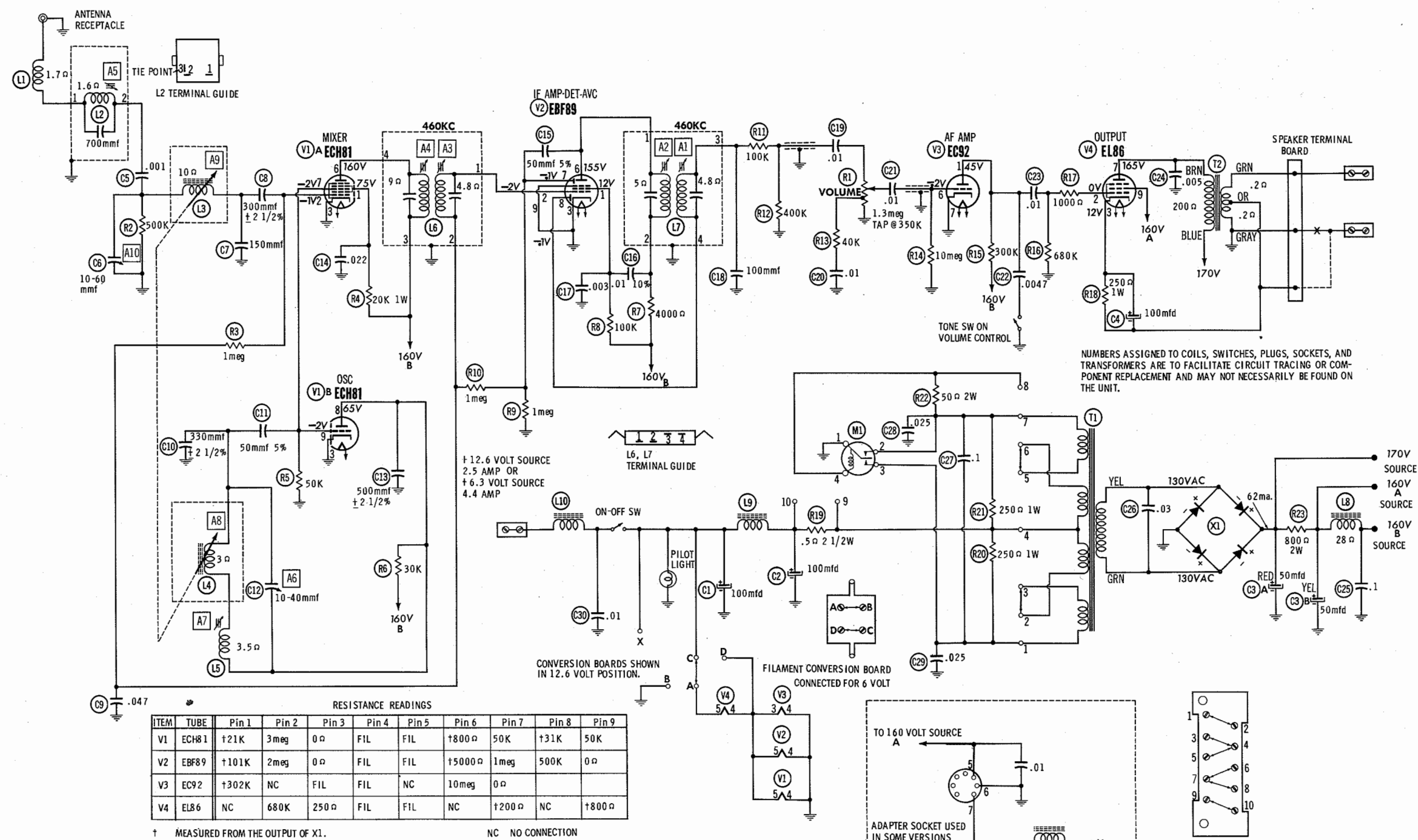
ITEM No.	RATING	REPLACEMENT DATA			
		BECKER Part No.	Merit Part No.	Stancor Part No.	Thordarson Part No.
T1	SEC. 1 SEC. 2				
	12.6V @ 130V @ 2.5A (or) .062A 6.3V @ (or) 70V 4-4A @ .062A	65IS321			

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE	REPLACEMENT DATA			
		BECKER Part No.	Merit Part No.	Stancor Part No.	Thordarson Part No.
T2	4500Ω 5Ω CT	65IS330			

VIBRATOR

ITEM No.	TYPE	INPUT VOLTS/SEC.	REPLACEMENT DATA			
			BECKER Part No.	Cornell-Dubilier Part No.	Mallory Part No.	Triad Part No.
M1	Interruptor	6 (or) 12	115V			



1. DC voltage measurements taken with vacuum tube voltmeter.
2. Socket connections shown as bottom views.
3. Measured values are from socket pin to common ground.
4. Battery voltage maintained at 12.6 volts for voltage readings.
5. Nominal tolerance on component values makes possible a variation of ±15% in voltage and resistance readings.
6. Volume control at maximum, no signal applied for voltage measurements.

A PHOTOFACT STANDARD NOTATION SCHEMATIC
© Howard W. Sams & Co., Inc. 1962

BECKER MODEL
MONTE CARLO M