



PHOTOFACT[®] with

CIRCUITRACE[®]

TRADE NAME : DuMont Model 900 (Ch. 120486)

SUPPLIER : DuMont, Div. of Emerson Radio Inc.,
524 W. 23rd Street, New York 11, N. Y.

TYPE SET : 9 Transistor AM Receiver

POWER SUPPLY : 6 Volts DC

RATING : 10MA @ 6 VDC (No Signal, Min. Volume)
25MA @ 6 VDC (Signal, Normal Volume)

TUNING RANGE : BROADCAST 540 — 1620KC

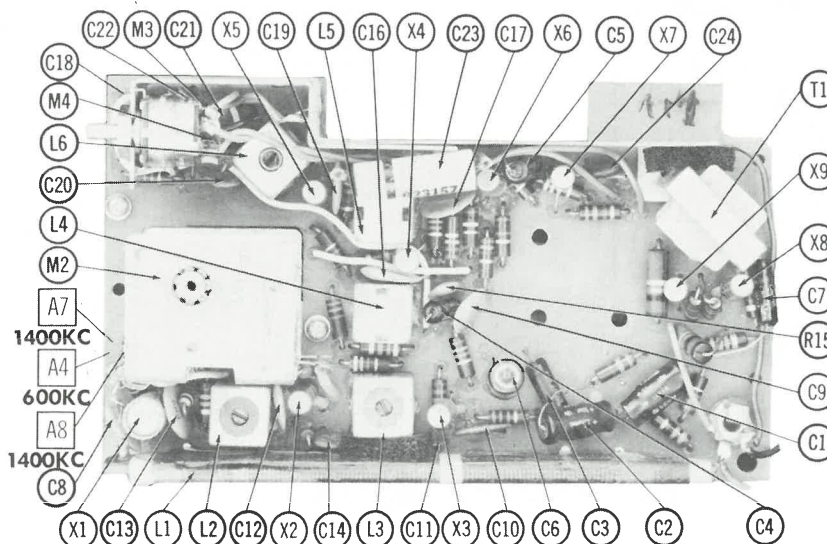


ALIGNMENT INSTRUCTIONS

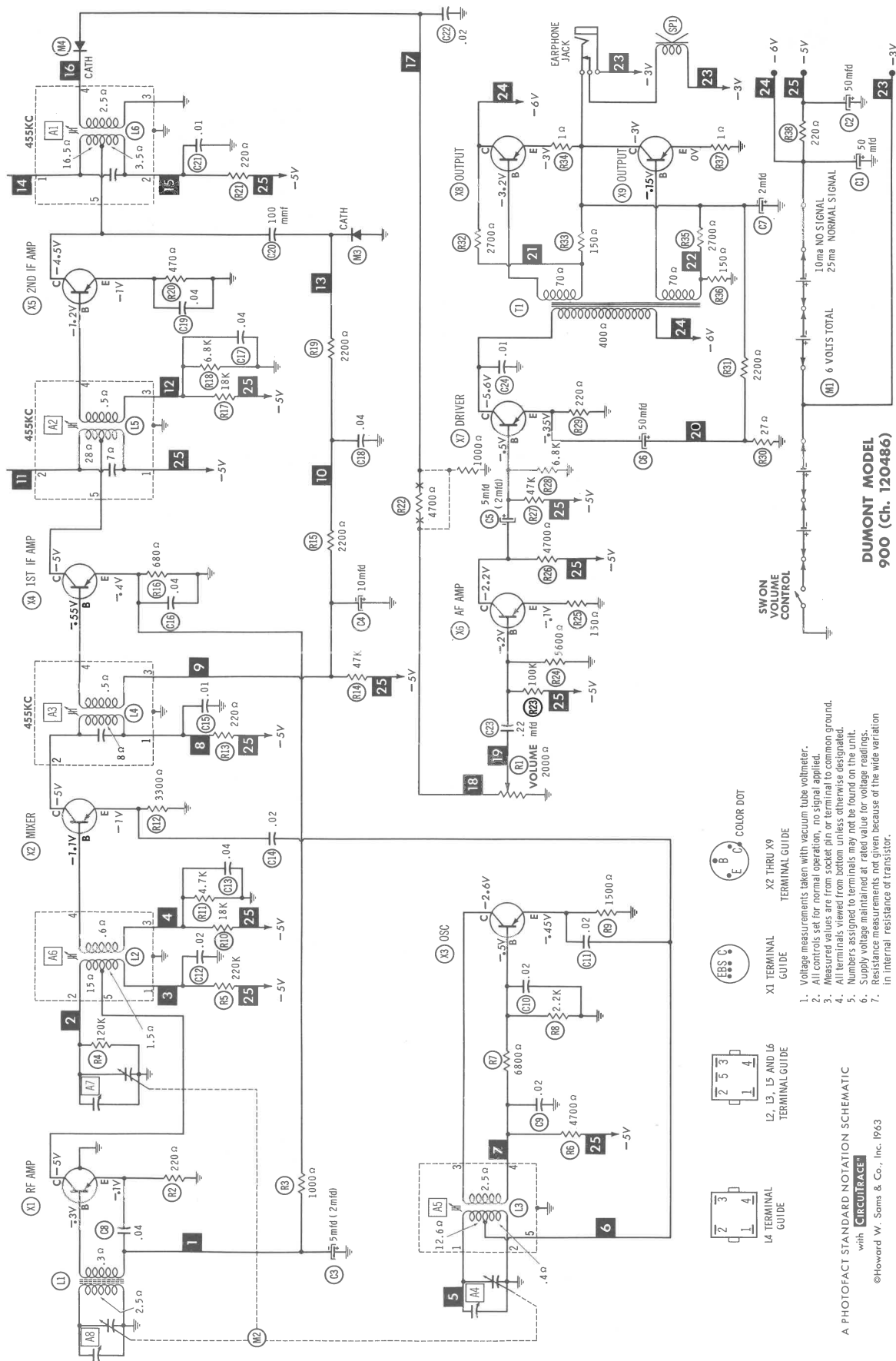
Check for specified source voltage.
Fashion loop of several turns of wire and connect generator across loop.
Adjust output of generator to radiate only enough signal into receiver to obtain a suitable indication.
Suggested Alignment Tools:

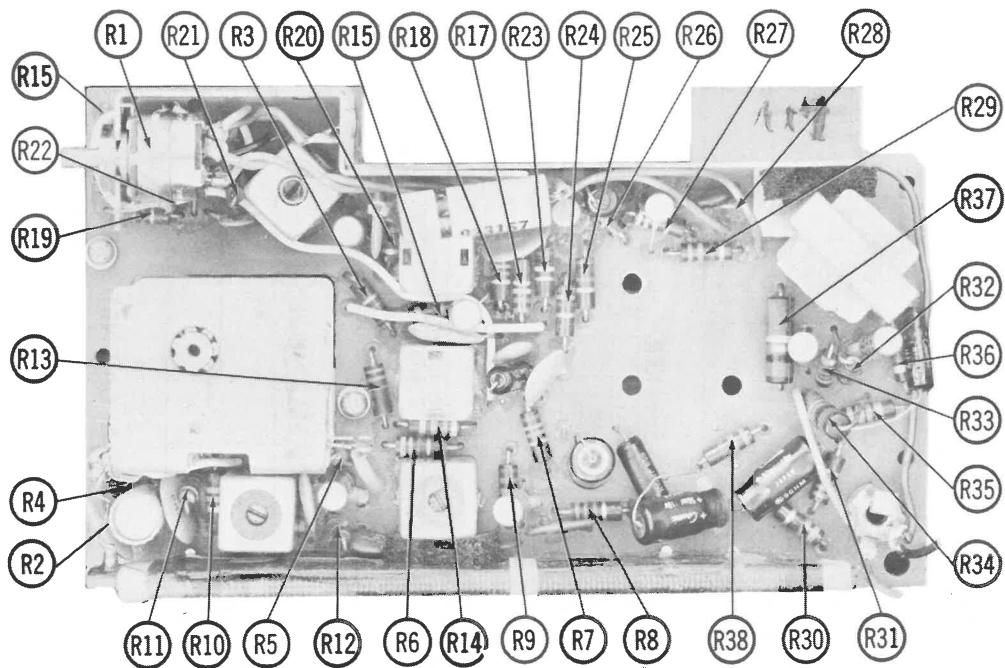
A1, A2, A3, A5, A6.....GENERAL CEMENT #8282, 8606
WALSCO #2526, 2543
A4, A7, A8..... GENERAL CEMENT #5000, 5066, 8290
WALSCO #2525

	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1.	455KC (400v Mod.)	Tuning gang fully open.	Output Meter across voice coil.	A1, A2, A3	Adjust for maximum. Repeat as required.
2.	1620KC	"	"	A4	Adjust for maximum.
3.	600KC	Tune to Signal.	"	A5	Rock tuning gang and adjust for maximum. Repeat steps 2 and 3.
4.	"	"	"	A6	Adjust for maximum.
5.	1400KC	"		A7,A8	Adjust for maximum. Repeat Steps 2 thru 6.

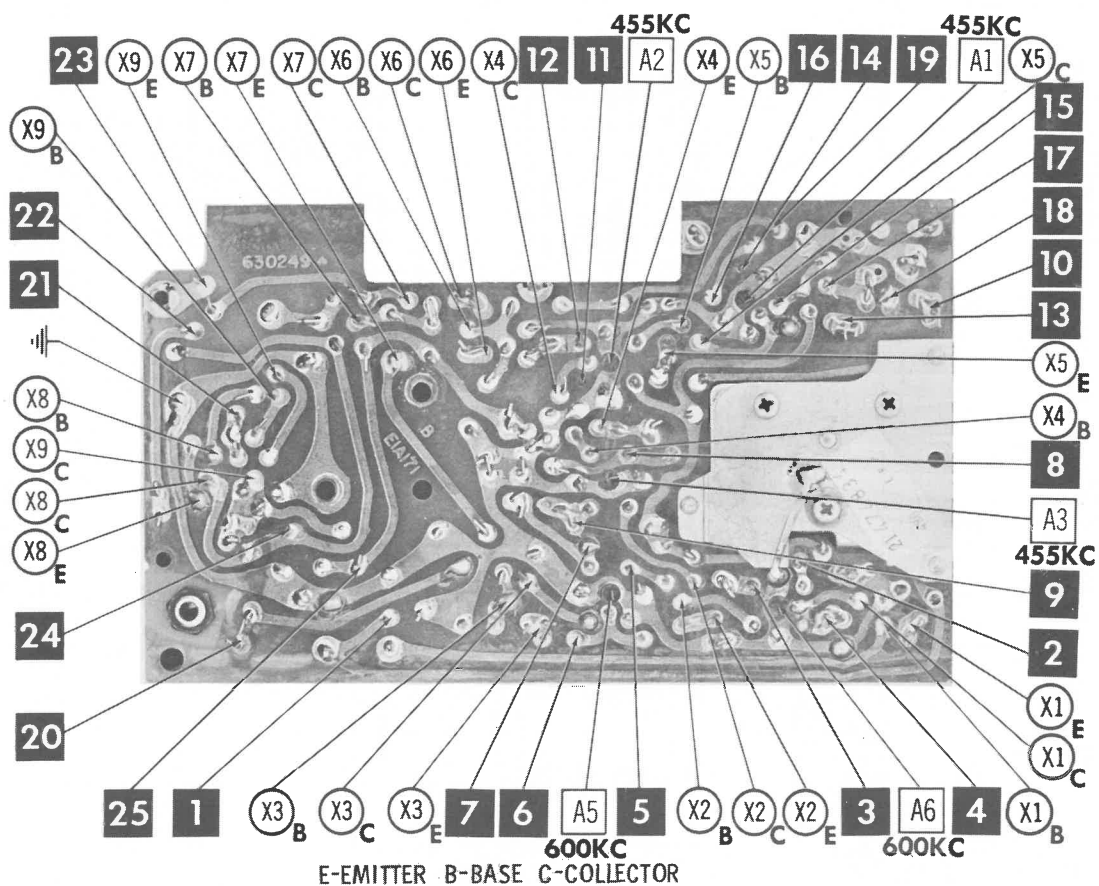


HOWARD W. SAMS & CO., INC. Indianapolis 6, Indiana





CHASSIS TOP VIEW — RESISTOR IDENT.



PARTS LIST AND DESCRIPTION

TRANSISTORS

ITEM No.	MFGR. PART No.	USE	REPLACEMENT DATA			NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	
X1	815064	RF Amp.	DS-25	GE-1		PNP
X2	815066*	Mixer	DS-25	GE-1		PNP
X3	815067†	Osc.	DS-25	GE-1		PNP
X4	815067†	1st IF Amp.	DS-25	GE-1		PNP
X5	815068	2nd IF Amp.	DS-25	GE-1		PNP
X6	815069	AF Amp.	DS-26	GE-2		PNP
X7	815070A	Driver	DS-26	GE-2		PNP Note 1
X8	815070C	Output	DS-26	GE-2		PNP Note 1
X9	815070C	Output	DS-26	GE-2		PNP Note 1

* Alternate Part #815065.
† Alternate Part #815067A or #815068.
Note 1. When X7 part number ends in "A", X8 and X9 should end in "B" or "C".
When X7 part number ends in "B", X8 and X9 should end in "B".
When X7 part number ends in "C", X8 and X9 should end in "A".

ELECTROLYTIC CAPACITORS

ITEM No.	RATING CAP.	VOLT.	REPLACEMENT DATA					
			AEROVOX PART No.	DUMONT PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	50	10	PTT45	925491	NLW50-10	MTI-16	TT10X50	MLV50-10
C2	50	10	PTT45	925491	NLW50-10	MTI-16	TT10X50	MLV50-10
C3	5	10	PTT37	①	NLW5-15	MTL-3	TT12X5	MLV5-12
C4	10	10	PTT39	925486	NLW10-15	MTL-3	TT12X10	MLV10-10
C5	5	10	PTT37	①	NLW5-15	MTL-3	TT12X5	MLV5-12
C6	50	10	PTT45	925491	NLW50-10	MTI-16	TT10X50	MLV50-10
C7	2	6	PTT19	925487	NLW2-50	MTI-1	TT6X2	MLV2-12

① Some versions may use 2mfd (Part #925493).

FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CORNELL-DUBILIER PART No.	CORNELL-DUBILIER PART No.	ELMENDO PART No.	MALLORY PART No.	SPRAGUE PART No.
C8	.04		TTD-05	CK-503	CK-503	H05S5	TA-150	TG-S50
C9	.02		TTD-02	CK-203	CK-203	H05S2	TA-120	TG-S20
C10	.02		TTD-02	CK-203	CK-203	H05S2	TA-120	TG-S20
C11	.02		TTD-02	CK-203	CK-203	H05S2	TA-120	TG-S20
C12	.02		TTD-02	CK-203	CK-203	H05S2	TA-120	TG-S20
C13	.04		TTD-05	CK-503	CK-503	H05S5	TA-150	TG-S50
C14	.02		TTD-02	CK-203	CK-203	H05S2	TA-120	TG-S20
C15	.01		TTD-01	CK-103	CK-103	H05S1	TA-110	TG-S10
C16	.04		TTD-05	CK-503	CK-503	H05S5	TA-150	TG-S50
C17	.04		TTD-05	CK-503	CK-503	H05S5	TA-150	TG-S50
C18	.04		TTD-05	CK-503	CK-503	H05S5	TA-150	TG-S50
C19	.04		TTD-05	CK-503	CK-503	H05S5	TA-150	TG-S50
C20	100		TTD-101	DM-101	DM-101	H05S1	TA-110	TG-S10
C21	.01		TTD-01	CK-103	CK-103	H05S1	TA-110	TG-S10
C22	.02	50V	V84C-2P22	CK-203	CK-203	DPMS2P22	PVC-1022	2FS-P22
C23	.22	50V	TTD-01	CK-103	CK-103	H05S1	TA-110	TG-S10
C24	.01							

CONTROLS

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

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA			
			DUMONT PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.
R1	Volume & Switch	2000Ω	390611		CTS-IRC	

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				NOTES
		DUMONT PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	
L1	Loopbar	700157				
L2	RF Coil	720357				
L3	Osc.	716135				
L4	1st IF	720354				
L5	2nd IF	720355				
L6	3rd IF	720356				

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO	REPLACEMENT DATA				NOTES
		DUMONT PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	
		PRI.	SEC.1			
T1	2	1	734185			
		SEC.2	1			

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		DUMONT PART No.	QUAM PART No.	
SPI	3 1/2" PM 18Ω	180213		

BATTERIES

ITEM No.	VOLTAGE	DUMONT PART No.	REPLACEMENT DATA		NOTES
			BURGESS	EVEREADY	
M1	6	818122	Z (or HG-9)	1015 (or B&I)	M-15E (or MN1500, ZM-9)

MISCELLANEOUS

ITEM No.	PART NAME	DUMONT PART No.	NOTES
M2	Tuning Cap.	900196	
M3	AVC Bias	817075	
M4	Detector	817075	3 Gang

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	ITEM	PART No.	ITEM	PART No.
Knob, Tuning	461194		Cabinet Body, Grey	141116A
Knob, Volume-Ebony	480759K		Cabinet Back, Ebony	141117
Knob, Volume - Grey	480759T		Cabinet Back, Grey	141117A
Cabinet Body, Ebony	141116		Grille, Molded	461252

WIRING DATA

General-use Unshielded Hook-up Wire				8530 (Solid 22AWG)	Available in 12 Colors
				8524 (Stranded 22AWG)	
				8570 (Stranded 26AWG)	