

PHOTOFACT[®] with

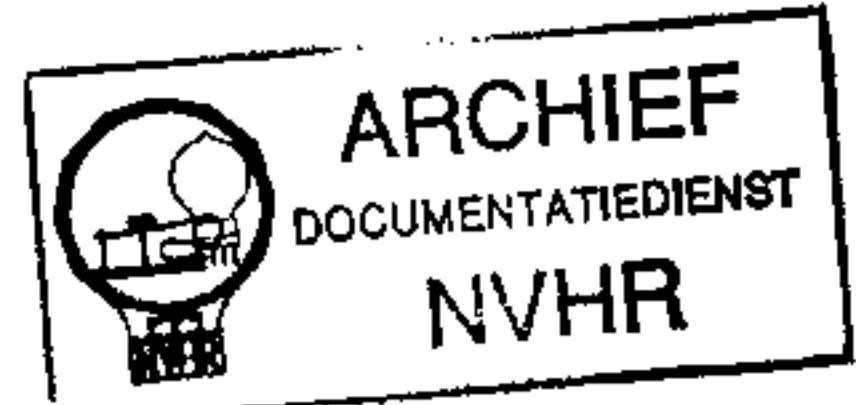
CIRCUITRACE[®]



Met dank aan Jef Bos

TRADE NAME: Airline Model GEN-1227A
 SUPPLIER: Montgomery Ward & Co.
 619 Chicago Ave., Chicago 7, Illinois
 TYPE SET: 8 Transistor AM Receiver
 POWER SUPPLY: 9 Volts DC
 RATING: 8MA @ 9VDC (No Signal, Min. Volume)
 25MA @ 9VDC (Signal, Normal Volume)
 TUNING RANGE: BROADCAST 535 - 1640KC

Ned. Ver. v. Historie v/d



ALIGNMENT INSTRUCTIONS

Check for specified source voltage.

Fashion loop of several turns of wire and connect generator across loop.

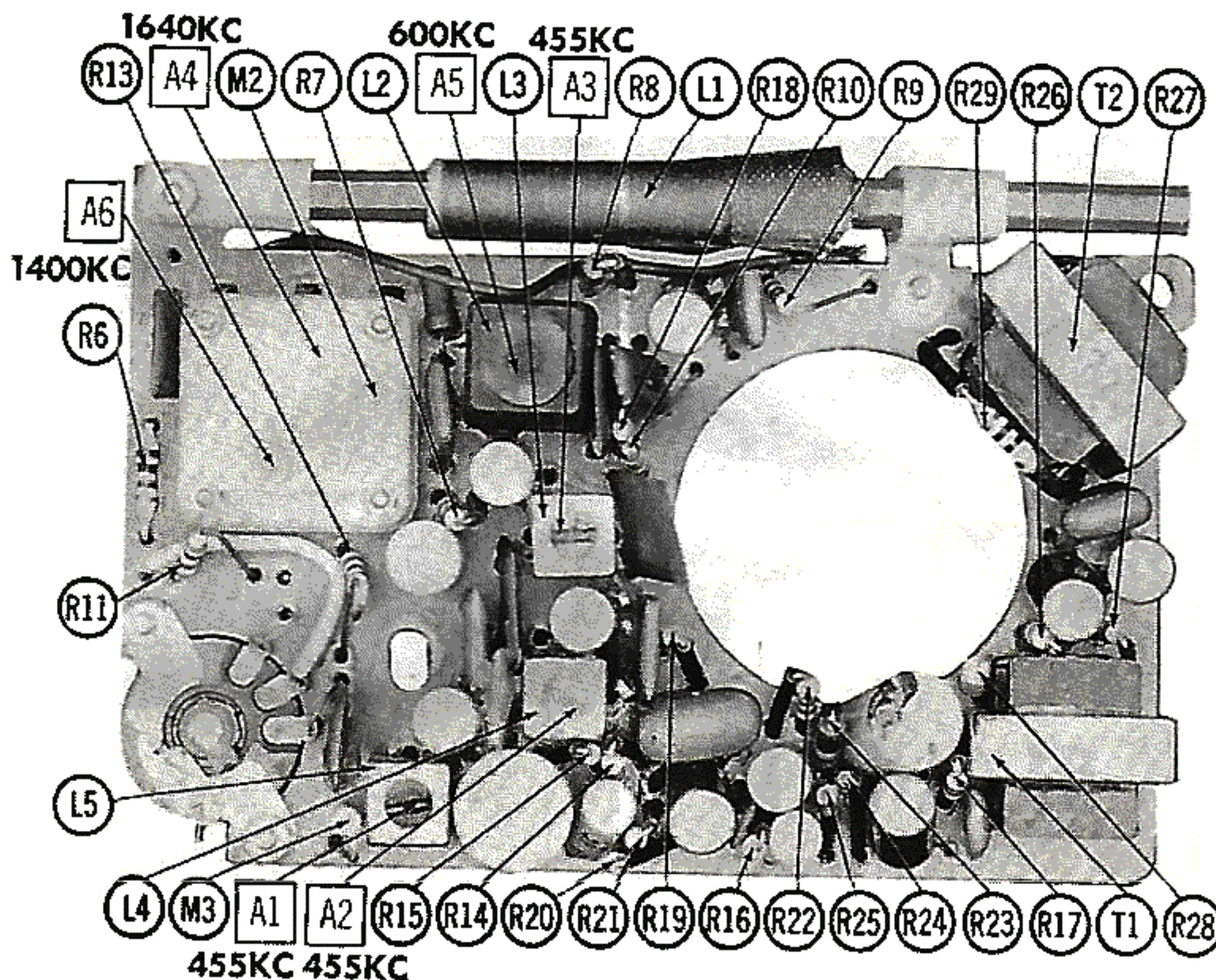
Adjust output of generator to radiate only enough signal into receiver to obtain a suitable indication.

Suggested Alignment Tools:

A1, A2, A3, A5..... GENERAL CEMENT #5067, 8282, 8806.... WALSCO #2526, 2543

A4, A6..... GENERAL CEMENT #5000, 5066, 8290.... WALSCO #2512, 2525, 2528

	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1.	455KC (400% Mod.)	Tuning gang fully open.	Output Meter across voice coil.	A1, A2, A3	Adjust for maximum. Repeat as required.
2.	1640KC	"	"	A4	Adjust for maximum.
3.	600KC	Tune to Signal.	"	A5	Rock tuning gang and adjust for maximum. Repeat steps 2 and 3.
4.	1400KC	"	"	A6	Adjust for maximum.



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

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA			NOTES
			AIRLINE PART No.	CENTRAL LAB PART No.	GEN. ELECT. PART No.	
X1	2SA15	Mixer	11M-25			PNP
X2	2SA15	Oscillator	11M-25			PNP
X3	2SA12	1st IF Amplifier	DB-25			PNP
X4	2SA12	2nd IF Amplifier	DB-25			PNP
X5	2SB75	AF Amplifier			2N406	PNP
X6	2SB75	Driver			2N406	PNP
X7	2SB77	Output			2N408	PNP
X8	2SB77	Output			2N408	PNP

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
	CAP.	VOLT.	AIRLINE PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	GENERAL INSTRUMENT PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	30	10	J322	BCD10025	ECPB412	MT1-16			
C2	40	10	J3245	BCD12035	NLW35-12	MT1-16			
C3	30	3	J3211	BCD3025	NLW35-3	MT1-13			
C4	5	3	J3212	CRE204	NLW5-15				TE-1052.2
C5	5	10	J3225	CRE404	NLW5-15	MT1-3			TE-1127
C6	5	3	J3212	CRE204	NLW5-15				TE-1052.2

FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRAL LAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C10	.04		TTD-05	CK-503	H5		TA-150	TG-S50
C11	.04		TTD-05	CK-503	H5		TA-150	TG-S50
C12	.02		TTD-02	CK-203	H3		TA-120	TG-S20
C13	.01		TTD-01	CK-103	H2		TA-110	TG-S10
C14	130							
C15	3		NPO-DI 3.0	DTZ-3R3	C10V3C	CCTO-3R3	CNO-533	10TCC-V33
C16	.04		TTD-05	CK-503	H5		TA-150	TG-S50
C17	.04		TTD-05	CK-503	H5		TA-150	TG-S50
C18	3		NPO-SI 3.0	TCZ-3R3	C10V3C	CCTO-3R3	CNO-533	10TCC-V33
C19	.1		TTD-1	CK-104	H6		TA-010	TG-P10
C20	.04		TTD-05	CK-503	H5		TA-150	TG-S50
C21	.01		TTD-01	CK-103	H2		TA-110	TG-S10
C22	.001			DM-102	H05D1			
C23	.04		TTD-05	CK-503	H5		TA-150	TG-S50

CONTROLS

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

ITEM No.	USE	RESISTANCE	REPLACEMENT DATA				
			AIRLINE PART No.	CENTRAL LAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R1	Volume & Switch	5000Ω	J258				

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA					NOTES
		AIRLINE PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	WORKMAN PART No.	
L1	Loopstick	J6016					
L2	Osc.	J6134					
L3	1st IF	J6237	BC-569	2061	RTC-9262		
L4	2nd IF	J6238	BC-570	2062	RTC-9263		
L5	3rd IF	J6239	BC-571	2063	RTC-9264		

COMPONENT COMBINATIONS

ITEM No.	USE	TYPE DESCRIPTION	AIRLINE PART No.	REPLACEMENT DATA
M1 M2 M3 M4	1st IP Amplifier Stage 2nd IP Amplifier Stage 3rd IP Amplifier Stage Detector AF Filter	.04 mfd, 1000V .04 mfd, 500V .04 mfd, 1000V .02 mfd, .02 mfd, 500V	J347 J348 J347 J349	

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO	AIRLINE PART No.	REPLACEMENT DATA				NOTES
			MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T1	PRI. 2 SEC. 1	J1128					

TRANSFORMER (AUDIO OUTPUT)

ITEM No.	IMPEDANCE		REPLACEMENT DATA					NOTES
	PRI.	SEC.	AIRLINE PART No.	MERIT PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T2	900Ω CT	8-10Ω	J1128					

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		AIRLINE PART No.	QUAM PART No.	
SP1	2 1/4" PM 8-10Ω	J108		

BATTERIES

ITEM No.	VOLTAGE	AIRLINE PART No.	REPLACEMENT DATA			NOTES
			BURGESS	EVEREADY	MALLORY	
M1	9	124	2U6 (or H146)	216 (or E146)	M-1604 (or MN1604, TR-146)	

MISCELLANEOUS

ITEM No.	PART NAME	AIRLINE PART No.	NOTES
M2 M3	Tuning Cap. Detector (1N34A)	J3513 J242	

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Knob - Tuning Knob - Volume	J5037 J5038	Cabinet Complete	J986

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid 22AWG)	Available
	8524 (Stranded 22AWG)	in
	8570 (Stranded 26AWG)	12 Colors

