

# PHOTOFACT<sup>®</sup> with

# CIRCUITRACE<sup>®</sup>



**TRADE NAME :** RCA Victor Models  
3RG14/31/32/33/34/61/64,  
4RG11/12/16/31/34 (CH, RC-1208C/D/H)  
(All Models may have suffix letter "G")

**SUPPLIER:** Radio Corp. of America  
RCA Victor Home Instrument Div.,  
Indianapolis 1, Indiana

**TYPE SET:** 6 Transistor AM Receiver

**POWER SUPPLY:** 6 Volts DC

**RATING:** 10MA @ 6VDC (No Signal, Min. Volume)  
30MA @ 6VDC (Signal, Normal Volume)

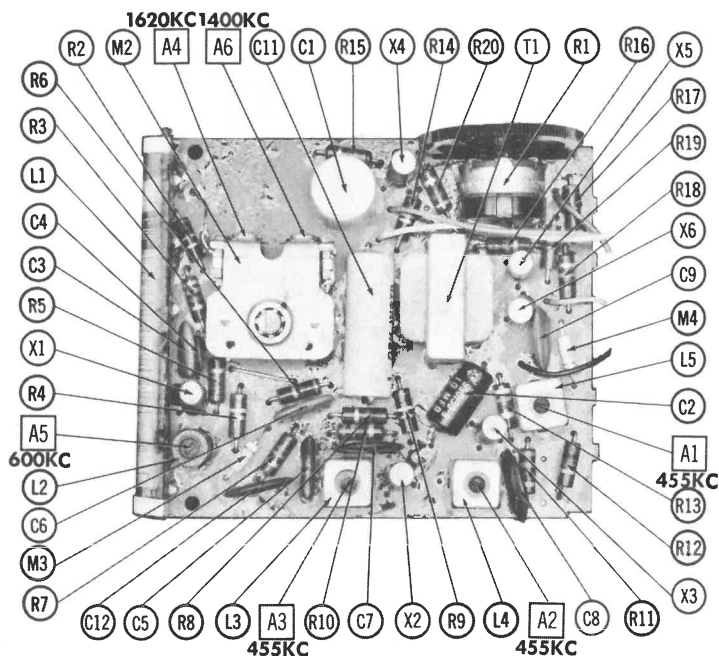
**TUNING RANGE:** BROADCAST 535 — 1620KC

## ALIGNMENT INSTRUCTIONS

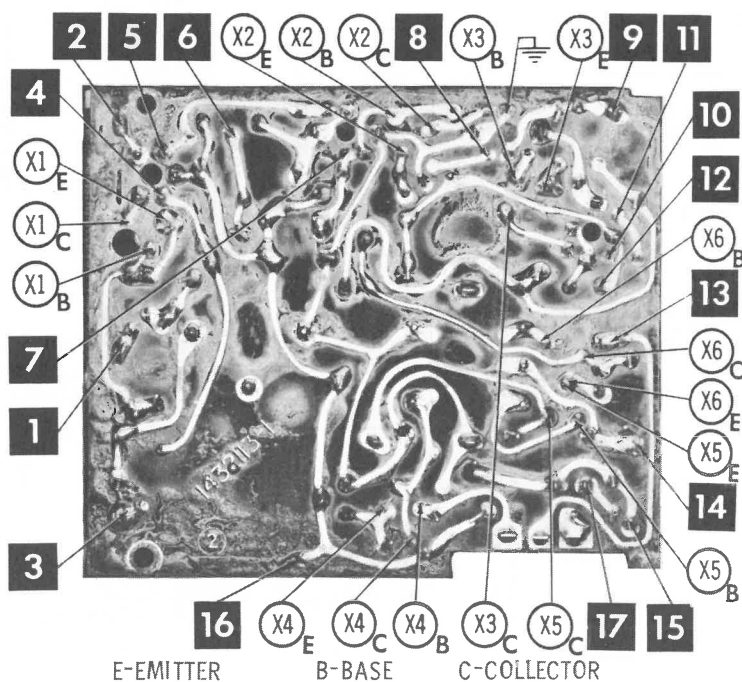
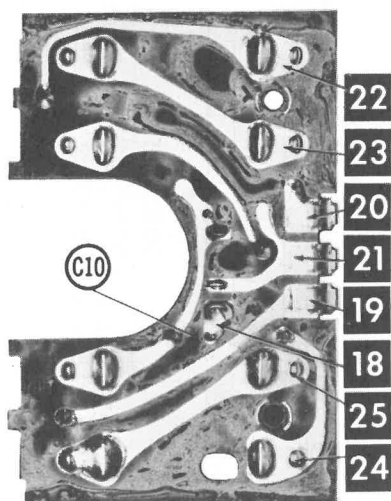
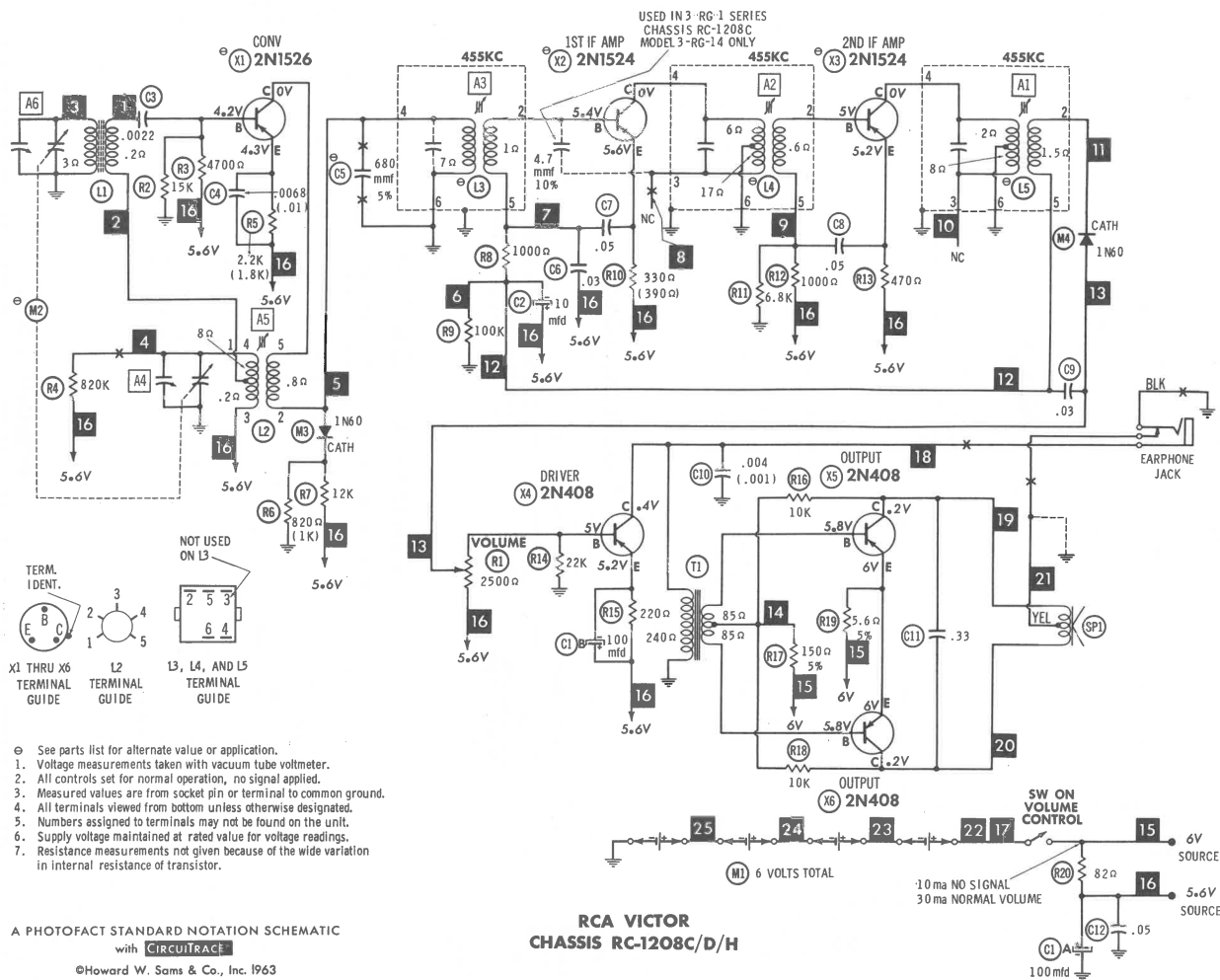
Check for specified source voltage.  
Fashion loop of several turns of wire and connect generator across loop.  
Adjust output of generator to radiate only enough signal into receiver to obtain a suitable indication.  
Suggested Alignment Tools:

A1, A2, A3, A5.....GENERAL CEMENT #5067, 8282, 8606.....WALSCO #2526, 2593  
A4, A6.....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.	1400KC	"	"	A6	Adjust for maximum.



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



PARTS LIST AND DESCRIPTION

TRANSISTORS

ITEM No.	ORIG. TYPE	USE	REPLACEMENT DATA			NOTES
			DELCO PART No.	GENERAL ELECTRIC PART No.	RCA PART No.	
X1	2N1526 ①	Converter 1st IF Amplifier 2nd IF Amplifier Driver Output Output	DS-25	GE-1	2N1526	PNP
X2	2N1524 ②		DS-25	GE-1	2N1524	PNP
X3	2N1524 ②		DS-25	GE-1	2N1524	PNP
X4	2N408		DS-26	GE-2	2N408	PNP
X5	2N408		DS-26	GE-2	2N408	PNP
X6	2N408		DS-26	GE-2	2N408	PNP

① 2N412 used in Chassis RC-1208C.  
② 2N410 used in Chassis RC-1208C.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA					
		CAP.	VOLT.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	SPRAGUE PART No.
C1A	100	10	10	PTT46	NLW100-12	MTL-19	TE-1119.3
B	100	10	10	PTT46	NLW100-12	MTL-19	TE-1119.3
C2	10	15	15	PTT66	NLW10-15	MTL-5	TE-1155

FIXED CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				
			AEROVOX PART No.	CORNELL-DUBILIER PART No.	ELMENDO PART No.	MALLORY PART No.	SPRAGUE PART No.
C3	.0022	(.01) † Note 1	DT-6800	DM-202	CCD-682	B-268	107S-D68
C4	.0068		1468-00068	DD-682	CM-20B-68J	MCJ249	MS-368
C5	680 5%		TD-03	CK-303	TA-150	TG-S30	TG-S30
C6	.03		TTD-05	CK-503	TA-150	TG-S50	TG-S50
C7	.05	Note 2	TTD-05	CK-503	TA-150	TG-S50	TG-S50
C8	.05		TTD-05	CK-503	TA-150	TG-S50	TG-S50
C9	.03		TTD-03	CK-303	TA-250	TG-D50	TG-D50
C10	.004		TTD-005	CK-502	IDP-4-334	TA-150	TG-S50
C11	.33 50V		V84C2P33	WMFIP33E			
C12	.05		TTD-05	CK-503			

† Alternate Value.  
Note 1. Not used in Chassis RC-1208C.  
Note 2. Chassis RC-1208C uses .001muf in this application.

CONTROLS

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

ITEM No.	USE	RESIST-ANCE	REPLACEMENT DATA			
			RCA Victor PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.
R1	Volume & Switch	250002	110751			

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA				NOTES
		RCA Victor PART No.	MERIT PART No.	MILLER PART No.	STANCOR PART No.	
L1	Loopstick	110750 ①				① Part #110836 used in Chassis RC-1208H.
L2	Oscc.	110069				② Part #110761 used in Chassis RC-1208C.
L3	1st IF	110758 ②				③ Part #110762 used in Chassis RC-1208C.
L4	2nd IF	110759 ③				④ Part #110763 used in Chassis RC-1208C.
L5	3rd IF	110760 ④				

TRANSFORMER (DRIVER)

ITEM No.	TURNS RATIO	REPLACEMENT DATA				NOTES
		PRI.	SEC.	RCA Victor PART No.	STANCOR THORDARSON PART No.	
T1	1.6	1		110575		

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		RCA Victor PART No.	QUAM PART No.	
SPI	3" PM 1300CT	110565	30A05Z130CT	

BATTERIES

ITEM No.	VOLTAGE	RCA Victor PART No.	REPLACEMENT DATA			NOTES
			BURGESS	EVEREADY	MALLORY	
M1	6	VS-334	930 (or AL-9, Hg-9)	1015 (or E91, E9)	M-15R (or MNI500, 2M-9)	4 Required

MISCELLANEOUS

ITEM No.	PART NAME	RCA Victor PART No.	NOTES
M2	Tuning Cap.	110757	Chassis RC-1208H uses Part #110812
M3	Overload (IN60)	101615	Part #110610 used in 4RG Series
M4	Detector (IN60)	101615	Part #110610 used in 4RG Series

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM No.	ITEM	PART No.	ITEM	PART No.
Tuning	Model 3-RG-14	110748	CABINETS	Y7269
		110747		Y7266
		110811		Y7278
		110811		Y7267
Tuning	Model 3-RG-3 Series	110811	Model 3-RG-34	110805
		110811		Y7305
Volume	Model 3-RG-14, 3-RG-34	110583	Model 4-RG-12	Y7303
		110581		Y7304
Volume	Model 3-RG-33, 3-RG-32	110582	Model 4-RG-16	
		110582		
Volume	Model 3-RG-6 Series, 4-RG-3 Series	110598		
		111225		

WIRING DATA

General-use Unshielded Hook-up Wire .....

Use BELDEN No. 8530 (Solid 22AWG)  
8524 (Stranded 22AWG)  
8570 (Stranded 26AWG)  
12 Colors

Available in 12 Colors