

ITEM No.	REPLACEMENT DATA		NOTES
	TYPE	QUAM PART No.	
SP1	SIZE	180261	Includes TL Model Includes TL Model
	FIELD	180257	
SP1	3-40	46A07	
	PM	4A05	
SP1	4"x6"		
	4"		

COMPONENT COMBINATIONS

ITEM No.	USE	DESCRIPTION	AIR CHIEF PART No.	REPLACEMENT DATA
K1	Det. -Audio Coupling	220mmf, 500mmf, .002mfd, .005mfd, 470K, 470K, 6, 8meg	923162	PA-113-3 * Aerovox Centralab Sprague DT-3 *

MISCELLANEOUS

ITEM No.	PART NAME	AIR CHIEF PART No.	NOTES
M1 M2	Tuning Cap. Clock Clock	900205 471329 471391	2 Gang

CABINETS & CABINET PARTS

(When Ordering Specify Model, Chassis & Color)

ITEM	PART No.	ITEM	PART No.
Push Button, Model 4-A-245	461489	Knob, Tuning, Model 4-A-244	461453
Knob, Clock, Model 4-A-245	461174	Knob, Tuning, Model 4-A-245	461482
Knob - Volume, Tone, Model 4-A-244	461452	Cabinet - Ivory, Model 4-A-244	141359A
Knob - Volume, Tone, Model 4-A-245	461483	Cabinet - Ivory, Model 4-A-245	141248A
		Cabinet Back - Ivory, Model 4-A-244	461601A

WIRING DATA

General-use Unshielded Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors
Power Cord	8524 (Stranded) Available in 12 Colors
Power Cord (Interlock Type)	Use BELDEN No. 1706 (Plastic) or 1728 (Rubber) - 6 Ft. Use BELDEN No. 1709 (Plastic) or 1728 (Rubber) - 9 Ft. Use BELDEN No. 8974 (Rubber) or 8995 (Plastic)



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 the particular type of replacement

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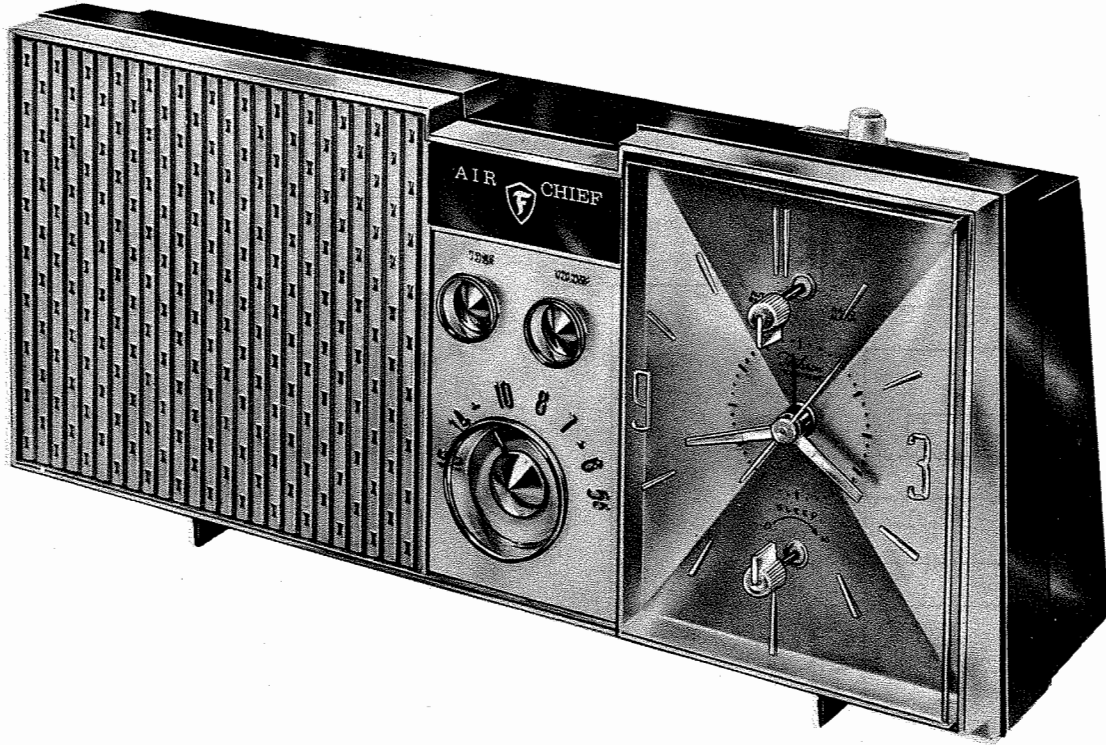
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AIR CHIEF MODELS 4-A-244
(Ch. 120580), 4-A-245 (Ch. 120583)

SET 661 FOLDER 6



AIR CHIEF MODELS 4-A-244
(Ch. 120580), 4-A-245 (Ch. 120583)



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SET 661 FOLDER 6

TRADE NAME AIR CHIEF Models 4-A-244, Code 458-3-G434F (Ch. 120580), 4-A-245 Code 458-3-G436F (Ch. 120583)
SUPPLIER Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron 17, Ohio
TYPE SET AC Operated 5 Tube AM Receiver With Electric Clock
POWER SUPPLY 105 - 125 Volts AC, 60 Cycles
TUNING RANGE - BROADCAST 540 - 1620KC
RATING 28 Watts, .26 Amp. @ 117 Volts AC

ALIGNMENT INSTRUCTIONS

ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

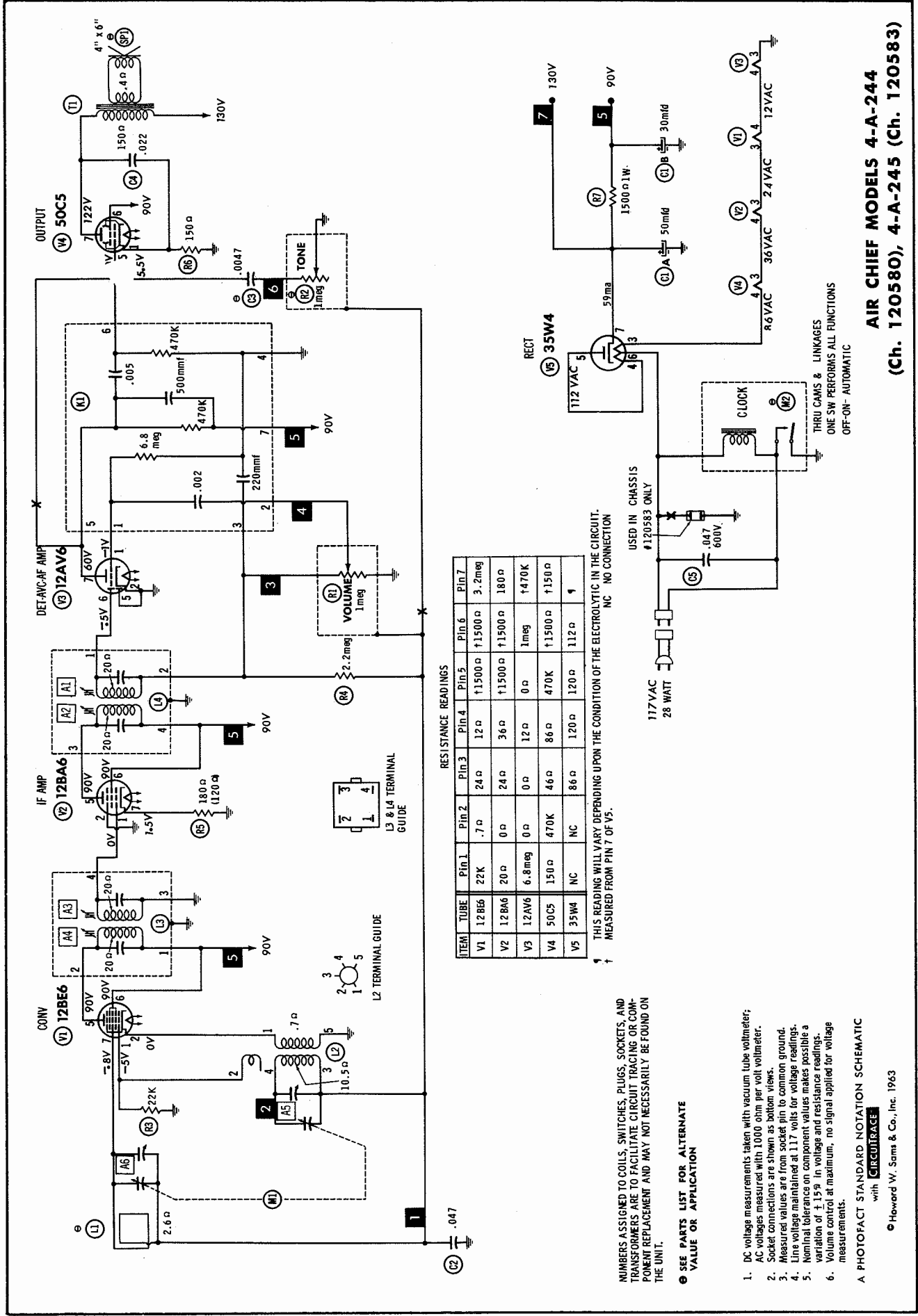
Use isolation transformer, if available. If not, connect a .25mfd capacitor in series with low side of signal generator. Use only enough generator output to provide a usable indication.

Suggested Alignment Tools:

A1, A2, A3, A4..... GENERAL CEMENT #5097, 8272
WALSCO #2515

A5, A6..... GENERAL CEMENT #5000, 5003, 5066, 8276, 8290, 9087, 9089
WALSCO #2512, 2525, 2528

SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
High side thru .005mfd to antenna lug of tuning gang, low side to B-.	455KC (Unmod.)	Tuning gang fully open.	Connect VTVM across volume control.	A1, A2, A3, A4	Adjust for maximum deflection.
Fashion loop of several turns of wire and radiate signal into loop of receiver	1620KC	"	"	A5	"
"	1400KC	1400KC	"	A6	Adjust for maximum deflection. Repeat Steps 2 & 3.



PARTS LIST AND DESCRIPTION

TUBES		AMPEREX • GENERAL ELECTRIC • RCA • RAYTHEON • SYLVANIA •	
ITEM No.	USE	TYPE	TYPE
V1	Converter	12BE6	
V2	IF Amplifier	12BA6	
V3	Det.-AVC-AF Amp.	12AV6	
V4	Output Rectifier	50C5	
V5		35W4	

ELECTROLYTIC CAPACITORS

ELECTROLYTIC CAPACITORS		REPLACEMENT DATA	
ITEM No.	RATING	REMARKS	TYPE
C1A	50	150	925554
C1B	30	150	925554

FIXED CAPACITORS

FIXED CAPACITORS		REPLACEMENT DATA	
ITEM No.	RATING	REMARKS	TYPE
C2	.047	400V	Note 1
C3	.0047	400V	Note 1
C4	.0047	400V	Note 1
C5	.047	800V	Note 1

Note 1. Not used in chassis 120580.

CONTROLS

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

CONTROLS		REPLACEMENT DATA	
ITEM No.	USE	RESISTANCE	TYPE
R1	Volume	1meg	990675
R2	Tone	1meg	990688

① Not used in Chassis 120580.

* "SNAPTROL".

RESISTORS

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

RESISTORS		REPLACEMENT DATA	
ITEM No.	RATING	WORKMAN PART No.	REMARKS
R3	22K		
R4	2.2meg		
R5	180 Ω		

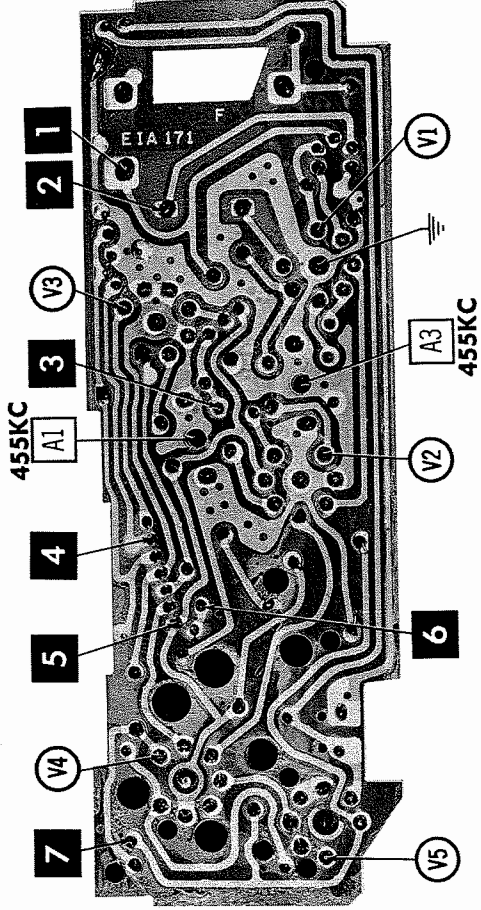
Alternate Value.

FOLDER 6

PRINTED BOARD

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ARROWS INDICATING TUBE LOCATIONS ARE POINTING TO PIN 1 UNLESS OTHERWISE INDICATED



COILS (RF-IF)

COILS (RF-IF)		REPLACEMENT DATA	
ITEM No.	USE	Miller PART No.	Stancor PART No.
L1	Loop	700173 ①	BC-356
L2	Osc.	700119	BC-357
L3	Input IF	720393	13-PC9
L4	Output IF	720394	13-PC10

TRANSFORMER (AUDIO OUTPUT)

TRANSFORMER (AUDIO OUTPUT)		REPLACEMENT DATA	
ITEM No.	IMPEDANCE	Miller PART No.	Stancor PART No.
T1	2500 Ω	A-3025	A-3332
T2	3-4 Ω	S-403	S-12X

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