

RESISTANCE READINGS

Item	Tube	Pin	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
1	12SA7	1	10K	100K	100K	200K	1.3K	24K	2.5M
2	12SK7	1	10K	100K	100K	200K	1.3K	24K	2.5M
3	12SK7	1	10K	100K	100K	200K	1.3K	24K	2.5M
4	50L6	1	10K	100K	100K	200K	1.3K	24K	2.5M
5	35Z5	1	10K	100K	100K	200K	1.3K	24K	2.5M

VOLTAGE READINGS

Item	Tube	Pin	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
1	12SA7	1	OV.	OV.	OV.	OV.	OV.	OV.	OV.
2	12SK7	1	OV.	OV.	OV.	OV.	OV.	OV.	OV.
3	12SK7	1	OV.	OV.	OV.	OV.	OV.	OV.	OV.
4	50L6	1	OV.	OV.	OV.	OV.	OV.	OV.	OV.
5	35Z5	1	OV.	OV.	OV.	OV.	OV.	OV.	OV.

THE COOPERATION OF THE MANUFACTURER OF THIS RECEIVER MAKES IT POSSIBLE TO BRING YOU THIS SERVICE

A PHOTOFACT STANDARD NOTATION SCHEMATIC
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RESISTANCE READINGS IN THE B+ CIRCUITS MAY VARY WIDELY ACCORDING TO THE CONDITION OF THE FILTER CAPACITORS

483-5

The stage gain measured values listed above are approximate values for an average operative stage, rather than an absolute value. It should be borne in mind that it is possible to introduce so many variables into the measurement operation, such as, type of equipment used for measuring, handling and placement of probes, the accuracy of alignment, etc., that an absolute reading is impractical. AVC is made inoperative and 5-volt battery bias substituted for measurement.

1. DC Voltage measurements are at 20,000 ohms per volt; AC Voltages measured at 1,000 ohms per volt.
2. Socket connections are shown as bottom views.
3. Measured values are from socket pin to common negative.
4. Line voltage maintained at 117 volts for voltage readings.
5. Nominal tolerance on component values makes possible a variation of $\pm 10\%$ in voltage and resistance readings.
6. Volume control at maximum, no signal applied for voltage measurements.

PHOTOFACT* Folder

FIRESTONE (Air Chief) MODEL 4-A-26 (Code #307-6-9030-A)

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VOLUME CONTROL ON-OFF SWITCH

TUNING CONTROL

AIR CHIEF MODEL 4-A-26

TRADE NAME	Air Chief, Model 4-A-26 (Code 307-6-9030-A)					
SUPPLIER	Firestone Tire & Rubber Co., 1200 Firestone Pkwy., Akron, Ohio					
TYPE SET	AC-DC Operated Superheterodyne receiver with Loop Ant.					
TUBES (FIVE)	Types, 12SA7 Converter, 12SK7 IF Amp., 12SQ7 Det.-AVC-AF, 50L6GT Power Output, 35Z5GT Rectifier.					
POWER SUPPLY	110-120 Volts AC-DC					
TUNING RANGE—BROADCAST	540-1725KC		RATING		.23 Amp. @ 117 Volts AC	
ALIGNMENT INSTRUCTIONS—READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT						
<p>With receiver removed from cabinet turn tuning cap. fully closed and mark position of pointer. Use this as index mark in Step 2. After receiver has been reinstalled in cabinet turn tuning cap. fully closed and set pointer to last reference mark at low frequency end of dial.</p> <p>Use isolation transformer if available. If not connect a .1 MFD capacitor in series with low side of signal generator and B-.</p> <p>Volume control should be at maximum position, output of signal generator should be no higher than necessary to obtain an output reading. Use an insulated alignment screwdriver for adjusting.</p>						
DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1 200MMFD	High side to rear, stator of tuning cap. Low side to B-.	455KC	Tuning cap. fully open.	Across voice coil	A1, A2, A3, A4.	Adjust for maximum output.
2 200MMFD	High side to ext. ant. clip. Low side to B-.	1500KC	4½" from index mark.	"	A5	Adjust for maximum output. Trimmer opposite A5 is a factory adjustment and ordinarily need not be changed.
3 200MMFD	"	"	Tune for maximum output.	"	A6	Adjust for maximum output.

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Indianapolis Indiana

DATE 2/48 SET #33 FOLDER #483-5

FIRESTONE (Air Chief) MODEL 4-A-26 (Code #307-6-9030-A)

PARTS LIST AND DESCRIPTIONS
 TUBES (SYLVANIA or Equivalent)

AIR CHIEF
 MODEL 4-A-26

CHASSIS—TOP VIEW

ITEM No.	USE	REPLACEMENT DATA			RMA BASE TYPE	INSTALLATION NOTES
		AIR CHIEF PART No.	STANDARD REPLACEMENT			
1	Converter	128A7	128A7		8R	
2	IF Amp.	128K7	128K7		8N	
3	Det.-AVC-AF	128Q7	128Q7		8Q	
4	Power Output	50L60T	50L60T		7AC	
5	Rectifier	35Z50T	35Z50T		6AD	

CAPACITORS

Capacity values given in the rating column are in mfd. for Electrolytic and Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING	REPLACEMENT DATA				IDENTIFICATION CODES
		AIR CHIEF PART No.	SOLAR PART No.	SPRAGUE PART No.	AEROVOX PART No.	
6A	CAP. 40	5002546	DI-40X250-150	EL-24	AF38D	IP4215
7	20	150				
8	150	502157	NFH-4-05	TC-15	484-05	J743S
9	.05	502152	S-4-02	TC-12	484-02	J745Z
10	.004	502156	S-6-004	TC-24	634-004	J76A4
11	.004	502156	S-6-004	TC-24	634-004	J76B4
12	.05	502153	S-2-05	TC-15	484-05	J72SS
13	.2	502158	S-4-2	TC-2	484-2	J74F2
14	.1	502110	S-4-1	TC-1	484-1	J74P1
15	.0008	502156	S-6-004	TC-24	634-004	J76B4
16	400	502470	NO.5-3	1F7-37	1478-0008	1M57B
17	220	502392	NO.5-3	1F7-325	1468-0023	3M57S
18	500	502529	NO.5-45	1F7-45	1468-00035	5M545

CONTROLS

ITEM No.	RATING	REPLACEMENT DATA			INSTALLATION NOTES
		AIR CHIEF PART No.	IRC PART No.	CLAROSTAT PART No.	
18	1 Meg.	502328			Volume Control & Sw.

RESISTORS

ITEM No.	RATING	REPLACEMENT DATA			IDENTIFICATION CODES
		AIR CHIEF PART No.	IRC PART No.		
19	22K2	502130	BTS-22K		Red-Red-Or. Oscillator Grid
20	2.2 Meg.	502135	BTS-2.2 Meg.		Red-Red-Orn. AVC Network
21	.47K	502284	BA-2-47		Yl.-Yl.-Blk. IF Cathode
22	10 Meg.	502135	BTS-10 Meg.		Br.-Blk.-Blue AF Grid
23	470K3	502134	BTS-470K		Yl.-Yl.-Bl. AF Plate Load
24	470K3	502134	BTS-470K		Yl.-Yl.-Bl. Output Grid
25	150K	502532	BA-1-150		Br.-Orn.-Br. Output Cathode
26	150K	502533	BA-1-150		Br.-Orn.-Red Filter
27	50K	502574	BA-2-50		Or.-Or.-Blk. Rectifier Ballast

TRANSFORMER (OUTPUT)

ITEM No.	RATING	REPLACEMENT DATA				INSTALLATION NOTES
		AIR CHIEF PART No.	STANCOR PART No.	THORDARN PART No.	MERIT PART No.	
28A	IMPEDANCE PRI. SEC. 22000 2.82 1702 .68	502817			A-2308*	Used with C-502816 speaker.
28B		504582				USE WITH H-504582 SOCKET.

PARTS LIST AND DESCRIPTIONS (Continued)
 SPEAKER

ITEM No.	RATINGS	REPLACEMENT DATA			INSTALLATION NOTES
		AIR CHIEF PART No.	JENSEN PART No.		
29A	FIELD VC IMP. 2.82	C-502816	S7-113*		*Fabricate new mounting bracket.
B		M-502816	Mod. P4-X		Alternate Speaker
30A	COND. DIA. VC DIA. 1/2"	502818			
B		504584			

R F COILS

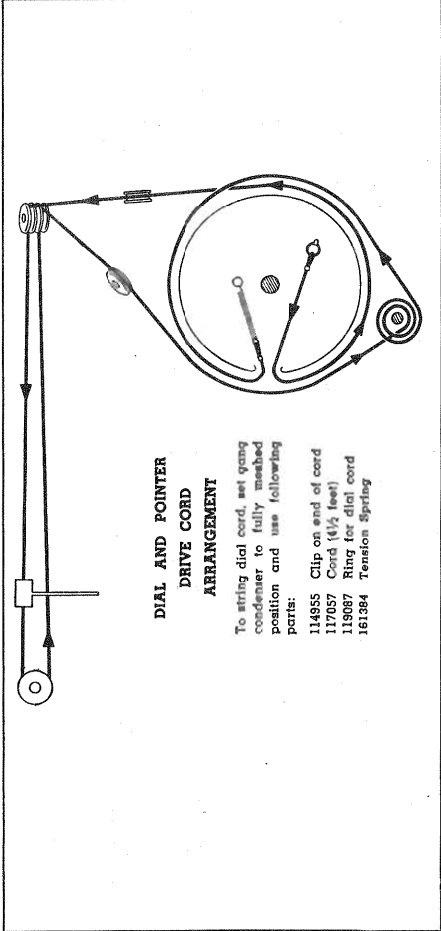
ITEM No.	USE	REPLACEMENT DATA		
		DC RES. PRI. SEC.	AIR CHIEF PART No.	MEISSNER PART No.
31	Loop Ant.	.18	504348	
32	Ant. Coil	1.28	504599	
33	Osc. Coil	1.28	502534	14-1040
34	Input IF	22.5K	502526	1C-6666
35	Output IF	22.5K	505040	1C-6667

DIAL LIGHT

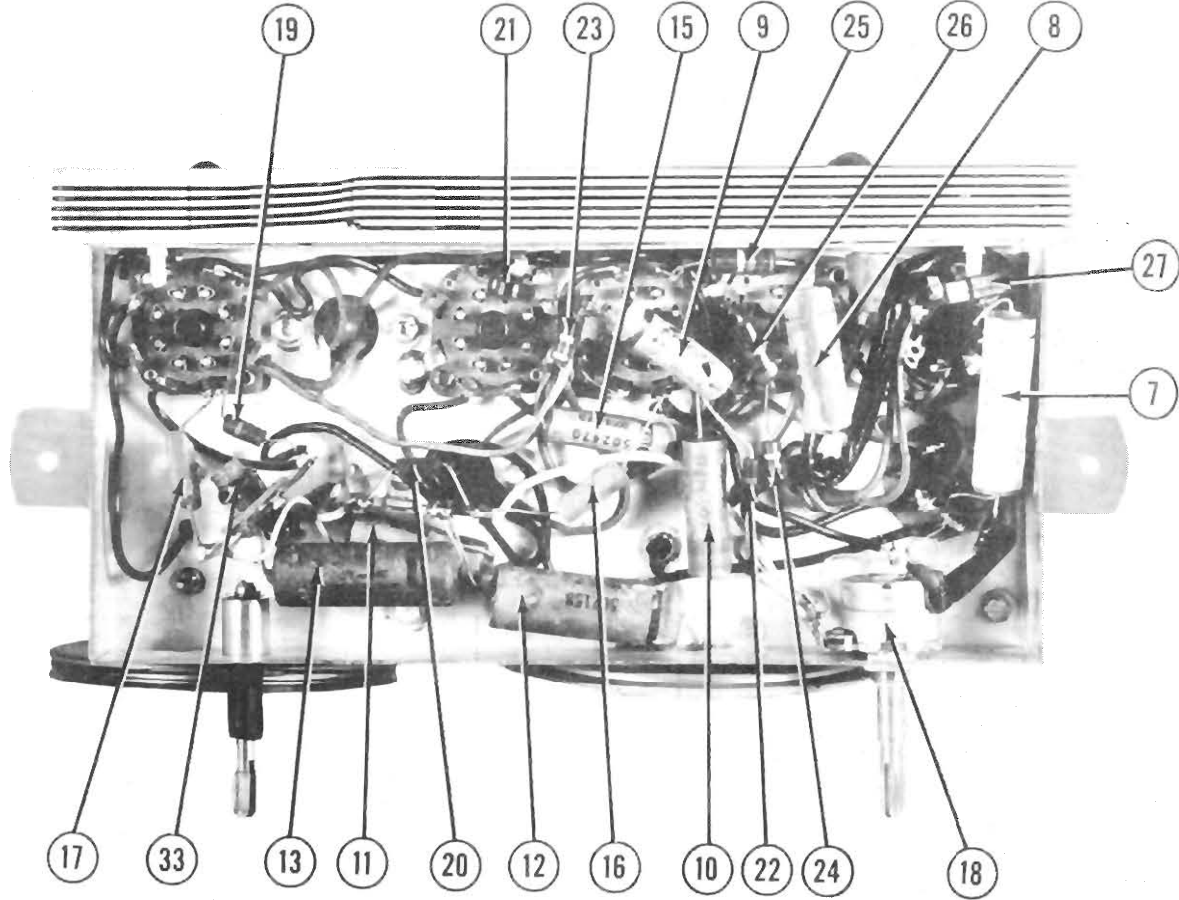
ITEM No.	BASE TYPE	VOLTS	AMPS.	REPLACEMENT DATA		INSTALLATION NOTES
				BEAD COLOR	AIR CHIEF PART No.	
36	Bayonet	6-8	0.15	Brown	11921	Type 47

MISCELLANEOUS

ITEM No.	PART NAME	AIR CHIEF PART No.	NOTES
37	2 6002 Var. Cap	502525	(25-100PF, 35-100PF)
	Dial Scale	502800	Glass
	Knob	504307	Ivory
	Pointer	502367	Pointer



CHASSIS—BOTTOM VIEW



AIR CHIEF
 MODEL 4-A-26

AIR CHIEF
 MODEL 4-A-26