

## Rogers 11-14 (Chassis 6R471)

### \* AVERAGE VOLTAGE AND CURRENT READINGS

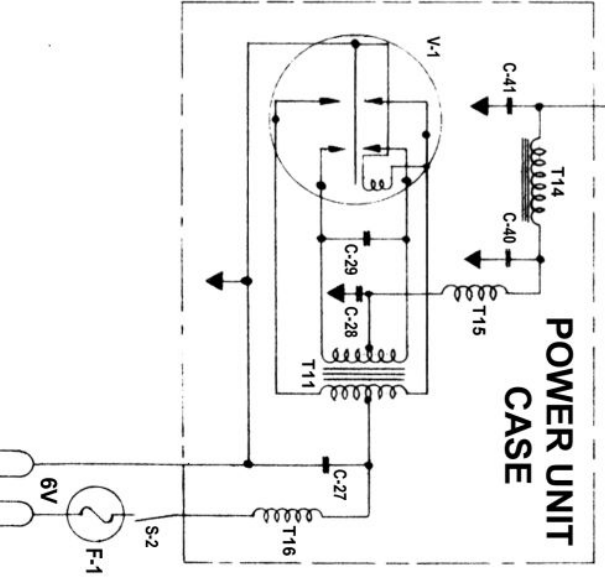
Tube Type and Function	Ep	Ip	E <sub>g</sub> <sup>1</sup>	E <sub>g</sub> <sup>2</sup>	E <sub>g</sub> <sup>3,5</sup>	E <sub>g</sub> <sup>4</sup>	E <sub>k</sub>
6A7M—Osc.-Mod.	190	2.1	0	190	72	x	0
6K7M—I.F. Amp.	190	5.9	x	72	0	0	0
75M—Det. 2nd							
75M—A.F. Amp.	+	.1	x				0
41M—Output	185	14.8		190	0		8.4

(Diodes)

Primary Volts—6.0

Primary A.mps.—2.5

Total "B" Current—30-32 Milliamperes



- (\*) Readings are approximate and are for reference only. All values are subject to variation in accordance with tube and battery conditions.
- (†) Indicates that values of resistance in circuit do not permit of proper voltage check at this point. Use plate current (Ip) to indicate presence of correct Ep.
- (x) Bias cells should never be checked by means of a voltmeter. Use Ip to indicate presence of correct bias.

<u>CONDENSERS</u>		
<u>Item #</u>	<u>Capacitance</u>	<u>Part #</u>
<u>Variable Air</u>		
C1	450 mmf. Gang)	13138
C2	450 mmf. Gang)	
C3		
<u>Variable Mica</u>		
C4	Ant. S.W. P. Pad.)	
C5	Ant. P.C. P. Pad.)	13139
C6	Ant. B.C. P. Pad.)	
C7		
C8	Osc. B.C. S. Pad. )	4036
C9	Osc. S.W. P. Pad.)	
C10	Osc. P.C. P. Pad.)	13140
C11	Osc. B.C. P. Pad.)	
C12	1st I.F. Pad.) In 1st I.F.	
C13	1st I.F. Pad.) Trans. A. 5182	
C14	2nd I.F. Pad. ) In 2nd I.F.	
C15	2nd I.F. Pad. ) Trans. A. 5183	
C16	Neutralizing Wire Leads	
C17		
<u>Tubular</u>		
C18	0.1 mf. 200 V.	38106
C19	0.1 mf. 200 V.	38106
C20	0.1 mf. 400 V.	38121

<u>RESISTORS</u>		
<u>Item #</u>	<u>Resistance</u>	<u>Part #</u>
<u>Variable</u>		
R1	500,000 Ohm V.C.	12852
R2	50,000 Ohm T.C.	13549
<u>Graphite</u>		
R3	2 Megohm	33302
R4		
R5		
R6	50,000 Ohm	33301
R7	500,000 Ohm	33303
R8	50,000 Ohm	33301
R9	20,000 Ohm	40548
R10		
R11	1 Megohm	33306
R12	500,000 Ohm	33303
R13	1 Megohm	33306
R14		
R15		
R16	600 Ohm	40537
R17	100,000 Ohm	33304

<u>SWITCHES, ETC.</u>		
<u>Item #</u>	<u>Name</u>	<u>Part #</u>
S1	Band Switch	13143
S2	Line Switch	On Tone Control
F1	Fuse	13560
BC1	Bias Cell	13109
BC2	Bias Cell	13109
V1	Vibrator	13554

<u>Electrolytic</u>		
<u>Item #</u>	<u>Name</u>	<u>Part #</u>
C40	30 mf. 350 V.	39013
C41	30 mf. 350 V.	39013
C42	10 mf. 25 V.	13533
<u>COILS, ETC.</u>		
T1	Wave Trap	5423
T2	S.W. Ant. Trans.	5175
T3	P.C. Ant. Trans.	5176
T4	B.C. Ant. Trans.	5175
T5		
T6	S.W. Osc. Coil	5178
T7	P.C. Osc. Coil	5179
T8	B.C. Osc. Coil	5178
T9	1st I. F. Trans.	5182
T10	2nd I. F. Trans.	5183
T11	Power Trans.	5424
T12	Output Trans. On Speaker	
T13	Speaker	5174
T14	Filter Choke	5426
T15	"B" Choke	5432
T16	"A" Choke	13535
T17	Osc. Choke	5434

<u>CONDENSERS</u>		
<u>Item #</u>	<u>Capacitance</u>	<u>Part #</u>
C21	0.03 mf. 400 V.	38112
C22	0.03 mf. 400 V.	38112
C23	0.005 mf. 600 V.	38110
C24	0.05 mf. 600 V.	38111
C25		
C26	0.03 mf. 400 V.	38112
C27	.75 mf. 50 V.	13530
C28	.25 mf. 300 V.	13531
C29	0.015 mf. 1600 V.	13532
<u>Mica</u>		
C30	1,000 mmf.	34125
C31	200 mmf.	37905
C32		
C33	200 mmf.	37905
C34	200 mmf.	37905
C35	4,000 mmf.	34124
C36	1,720 mmf.	34123
C37	200 mmf.	37905
C38	200 mmf.	37905
C39		

**Rogers 11-14**  
**(Chassis 6R471)**

# Rogers 11-14 (Chassis 6R471)

TONER CONTROL & BATTERY SWITCH

R2 & S2

BAND SWITCH

VOLUME CONTROL

C8 - 600 K.C.

OSC. ALIGNING

T1

C4 - 17.8 MCS. R.F. ALIGNMENT

USE ONLY 10 AMPERE FUSE PT # 13560

C5 - 5.0 MCS. R.F. ALIGNMENT

C6 - 1500 KCS. R.F. ALIGNMENT

C9 - 17.8 MCS. OSC. ALIGNMENT

C10 - 5.0 MCS. OSC. ALIGNMENT

C11 - 1500 KCS. OSC. ALIGNMENT

MODEL "11/14" TYPE 6R471 CHASSIS

6A7M

1ST I.F. TRANS. T9

C12 C13 456 K.C. I.F. ALIGNING

6K7M

I.F. AMP. T10

C15 C14 456 K.C. I.F. ALIGNING

OUTPUT

41M

75M

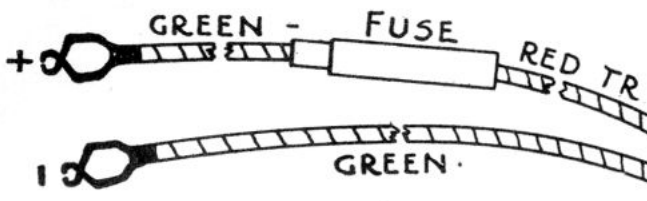
2ND DET. & 1ST A.F. AMP.

2ND I.F. TRANS.

POWER UNIT.

USE 6 VOLT BATTERY ONLY.

WARNING: IF THESE LEADS ARE INTERCHANGED DAMAGE TO THE POWER UNIT WILL RESULT.



GROUND WIRE - BLACK.

ANTENNAE WIRE - GREEN.

Alignment see;

"Rogers Multi-Band AC and Battery Receiver Alignment"