

nlaced about one	*Standard Hazaltina Test I can Model 1150 or 3 turns of wire about 6" in diameter placed about one	or 3 turns of win	m Model 1150 c	Jazoltina Test I or	*Ctondord I
	**Check Point	*Test Loop		600	600
Osc. Ant.	C2; C1, Trimmers on Variable Condenser	*Test Loop		1400	1400
H	Top of 2nd & 1st IF trans. T2 & T1	IR5 grid (Stator of C1)	.05 mfd.	455	Open
of Trimmer	in Order Shown for Maximum Output	Output	Antenna	of Generator	of Variable
Function	Trimmers Adjusted	Generator	Dummy	Frequency	Position
Last mark at left end of dial	Last mark	closed	h variable fully	Position of dial pointer with variable fully closed	Position o
Fully clockwise				Position of volume control	Position o
30% 400 cycles	Generator modulation			modulation	Generator
Floating ground			ound lead	Connection of generator ground lead	Connection
See Chart Below			-	Connection of generator output lead	Connection

Output meter reading to indicate 50 milliwatts (standard ouput)

Across loudspeaker voice coil

.4 volts

See Chart Below Floating ground See chart below

Dummy antenna value to be used in series with generator output

Output meter connection

foot from the set loop. Standard Hazeltine Test Loop Model 1150 or 3 turns of wire about 6 in diameter, placed about one

output from the signal generator at its lowest possible value to make the AVC action of the receiver ineffective. The alignment procedure should be repeated in the original order for greatest accuracy. Always keep the

CAUTION: While handling the set out of the cabinet, be careful not to bend the loop because any change in its spacing in respect to the aluminum plate will change the tracking of the antenne circuit with the

retune the set to 1400 kc and repeat the alignment procedure in its original order until the correct spacing have to be bent slightly out or in to track the set, but usually the best tracking is obtained with the loop has been obtained. In some few cases, due to variations in the parts and wiring of the set, the loop may the aluminum plate. If it is necessary to straigten the loop to track the set at 600 kc, it will be necessary to **If the antenna stage does not track with the oscillator at 600 Kc, check to see if the loop is parallel with

ACDC BATTERY RE 209

DATA SHEET INSTRUCTIONS

ARVIN

SHEET DATA

VOLTAGE & RESISTANCE MEASUREMENTS FROM SOCKET TERMINALS TO FLOATING GROUND

WITH SLIDE SWITCH IN ELECTRIC POSITION

VOLTAGE

RESISTANCE

	1=					l mor
,	OY4	3V4	1S5	1U4	1R5	HRO.I.
	0	4.2	2.8	0	2.8	-
	0	1	1	95		1
	+DC	95	2	95	48	2
	117AC	7	*20	95 *1.8 0	*	4
WITH SLIDE SWITCH IN BATTERY POSITION	117AC	5.6	*50	0	2.8	υ
	0	0	,*	0 1.4	*1.8	0
	120		1.4	1.4	4.2	-
	120	-		_	_	~
IN BAT		-		_		
TERY	330K	50	39	0	39	
POSIT	Inf.	3.5K	Inf.	3.5K	3.5K	2
NOI	Inf.	3.5K	1M+	3.5K	25.5K	دد
	Inf.	65	4.75M	4.3M	100K	4
	Inf.	60	333.5K	0 3.5K 3.5K 4.3M 0	39	បា
	Inf.	2.2M	4.7M	10M	4.3M	6
	1889	65	22	22	50	7
	1889		_			00

	H
	SLIDE
The same of the sa	SWITCH
	뉟
-	BATTERY
	POSITIO
	2

All voltage measurements are made with a voltage of 117V AC or a battery having 90 VB 7.5 VA; with no signal using a 1000 ohm per	0 0	4.5 90	3.0 0	0 90	1R5 3.0 90
urements as C or a batte signal using	0 0	90 0			48 **
re made ery having a 1000 o	0				3.0
with a lig 90 VB a	0 0	0 /7.5	*1 /1.5		*1.8 4.5
line and volt	0				
* The acros diffe	330K	50	39	0	39
The resistance across the electroidefferent conde	Inf.		Inf.	*	*
The resistance reading at this across the electrolytic condense different condensers and diffe	10.3M	*	1M+	*	*
61 A	_	680	4.75	4.31	100K
reading at trolytic conc ensers and	×	-	M 390K		N

voltmeter and are +DC unless otherwise indicated Measured with a vacuum tube voltmeter.

**The oscillator voltage measured with a vacuum tube The true oscillator voltage measured from the grid to the negative filament lug should be from —10 to denser closed to -12V with the condenser open will vary from approx. -6V with the variable convoltmeter from the oscillator grid to floating ground

> depending on the type meter used.
>
> ** 22K higher than the electrolytic condensers leakage
> K equals 100 ohms
> M equals 1 megohm the negative lead of the ohmeter to floating ground the reading may vary anywhere from 50K to 1M nser and will vary with fferent ohmeters. With

4.7M 2.2M 72

22 22

4.3M10M

F=455KC

Primary - 22 Secondary - 34 $\frac{\text{ohms}}{\text{ohms}}$ T3 Primary - 250 ohms Secondary-.4 ohms

T2 Figure Secondary tor in series inside can has 47,000 ohm resis-

Revised T2 Primary - 23 ohms has 47,000 ohm resistor SHEET in series inside can. Secondary - 35 ohms

PORTABLE BATTERY 140P

RE-209 CHASSIS

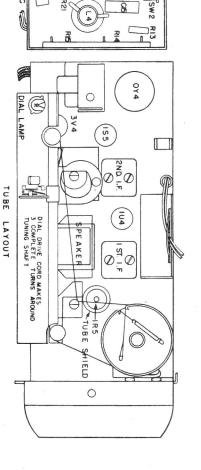
1947-48 T1 Primary - 25 ohms Secondary - 25 ohms

L3-1.5 ohms L4-9.4 ohms

Approximate Resistance of Coils:
L1-.9 ohms
T1 Primary - 34 ohms
L2-.7 ohms
Secondary-22 ohms

Revised

INSTRUCTION DATA



C17 A

C4

LOCATION OF PARTS UNDER CHASSIS

4*RVIN*

SHEET