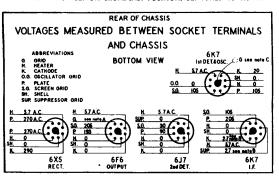
	S	Stewart-Warner Corp	).	
	Model: R-142	Chassis:	Year:	
	Power:	Circuit:	IF:	
	Tubes: Bands:			
		Resources		
Radio College	Of Canada - STEWART WARNER	32		

## SOCKET VOLTAGES

LINE VOLTAGE 115 VOLTS. YOLUME CONTROL ON FULL. ANTENNA GROUNDED RANGE SWITCH SET ON BROADCAST POSITION. SET TUNED TO 530 KC.



hroughout the ion. (Note:

## ALIGNING THE I.F. CIRCUIT

broadcast position.

4. Adjust the test oscillator to exactly the test oscillator to exactly the first of the 6K7 the first of the 6K7 the first of ward pressure should be applied to condenser may spring back to a d the tool is removed. its output to the control grid of the chassis. 5. Align I. F. trimmers No. 5. Align I.F. trimmers No. 1, 2, 3 and 4 for n output as indicated on the output meter. No inward antenna lead to the ch 3. Turn the range across the voice coil, depending on the type of meter.

2. Turn the volume control to the maximum Note: The volume control to the chassis. switch to the right (clockwise) to the maximum volume should be kept in procedure.) 7 456 KC, and connect first detector tube and alignment tool this position Ground the maximum or sideto the 9 posimfd. id, or

Locations Trimmer R. F. ALIGNMENI ⊚

a frequency in the neighborhood of 45 should be adjusted for MINIMUM output set to the same frequency as the signal minimum is reached of the trimmer. NO Without changing the test oscillator from the frequency setting used in aligning the l.F. stage, adjust trimmer No. of for MINIMUM output. Increase the test oscillator output as a thed, in order to obtain a creat, NOTE: If code interference is troublesome on the neighborhood of 456 KC, the wave traper of the neighborhood of 450 KC. The wave traper of the neighborhood of 450 KC. The wave traper of the neighborhood of 450 KC. The wave traper of the neighborhood of se the test oscillator output as a to obtain a clearly defined setting

DATA SHEET

NOTE B: The cathode voltage varies with the setting of the volume control, om  $\pm 2.5$  volts for maximum volume to  $\pm 30$  volts for minimum volume. The bias on the 6F6 output is ----14 velts measured across the wound resistor No. 15 in the circuit diagram. <u>\*=</u>#. ∞..... ىھون resistance voltmeter of 1000 upon voltage range of meter, he variation is most marked for wigon. ALDET. & OSC of 1000 ohms per volt. f meter, being higher for second detector 4 200 y 2 w JATOV 10 70.000 <del>20000</del> 00000 00000 6K7 150 V 30 ./m/d /:/meg 00000 600000 6770 150V 2 nd DET 000000 0000000 90 260,000<sup>4</sup> /4 W 100 × 21 d /W PATRO 13 2500 R-243-8" SPKR -000 CHASSIS MODEL (Receiver Models 1421+1425)

1936-37

STEWART - WARNER-32

Disconnect the antenna lead from ground.
 Connect the test oscillator output in series with a 400 ohm carbon resistor to the receiver antenna lead, and connect the test oscillator ground lead to the receiver chassis. Ground the chassis.

1. Set the test oscillator to 1400 KC, and apply the signal the receiver antenna lead through a 400 ohm carbon resistor.

2. Tune the receiver to the signal for maximum output, or a Adjust trimmer No. 7 (detector shunt trimmer) for

KC. WAVE TRAP ADJUSTMENT

trimmer adjustments since the changing affect the others to a certain extent.