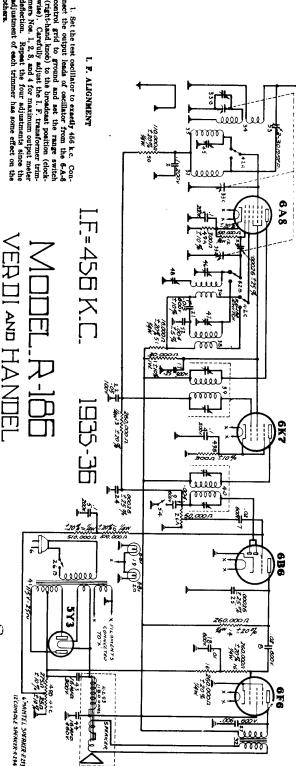
Stewart-Warner Corp.				
	Model: R-186	Chassis:	Year:	
	Power:	Circuit:	IF:	
	Tubes: Bands:			
		Resources		
Radio College Of Canada - STEWART WARNER 30				



mers Nos. 1, 2, 8, and 4 for maximum output meter deflection. Repeat the four adjustments since the adjustment of each trimmer has some effect on the (right-hand knob) to the broadcast position (clockwise). Carefully adjust the I. F. transformer trimcontrol grid to ground and set the range switch

BROADCAST BAND ALIGNMENT

- Check the position of the dial on the condenser
- shaft by pushing the rotor plates of the gang con-denser to full mesh. The dial should then read 580 k.c. Please note that the plates should be pushed with the fingers and not turned by means of the dial for this check.
- broadcast setting. the maximum clockwise cosition, which is 2. Turn the range switch (right-hand knob) to the
- an use a 1400 k.c. signal from your oscillator, provided that it is properly calibrated. To calibrate the set, turn its dial to the exact frequency setting of the signal (either a station or the oscillator) Whenever possible, use a broadcast state signal between 1800 and 1420 k.c. to calibrate with maximum illator shunt trimmer) until the signal is tuned in then carefully adjust trimmer No. 5 (broadcast oseceiver dial. If no such volume at its correct frequency station can be heard, you broadcast station 뉽
- sistor in series with the test oscillator output and the receiver antenna lead. This resistor must reconnect the oscillator ground lead to the chassis. he antenna stage. Ground the receiver chassis and main connected for all broadcast and short-wave ad-justments in order to secure proper alignment of 4. Connect a 400 or 500 ohm, I watt carbon re-
- 5. Set the test oscillator to approximately 1400

shunt trimmer) for maximum meter reading. Retune the receiver and check the adjustments. Do not touch trimmer No. 5 since this will change the calibration trimmer) and trimmer No. 7 (broadcast pre-selector k.c. and carefully tune the receiver to the signal Adjust trimmer No. 6 (broadcast detector shunt

and retuning the set until the output meter reading cannot be increased. This procedure must be follow-No. 8 (broadcast oscillator padding trimmer) to get maximum output meter deflection. Retune the reed or the receiver will not be properly aligned ceiver dial to a peak and readjust the trimmer Continue this procedure of adjusting the trimmer and tune the receiver to the signal. Adjust trimmer 6. Set the test oscillator to approximately 600 k.c.

7. With a 1400 k.c. test oscillator signal, check alignment of trimmers No. 6 and 7.

SHORT-WAVE BAND ALIGNMENT

- wave band position (counter-clockwise). 1. Turn the receiver range switch to the short-
- 15,000 k.c. signal (or 20 metres) this frequency, use the second harmonic of 7,500 k.c., the third harmonic of 5,000 k.c., or the fourth harmonic of 3,500 k.c., all of which will give a (15,000 k.c.) signal. 2. Set the test oscillator to give a 20 meter If your oscillator cannot reach

HOLTAGE VOLTAGE

TABLE

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No. 10 (short-wave detector snunt trimmer) to a peak. After this is done, try detuning No. 10 in either direction and retune the receiver dial. If this To calibrate this point, turn the receiver diameters on the inner diameters and adjust gives a higher output, continue detuning No. 10 and trimmer screw farthest out. Then adjust trimmer to give maximum output. Generally two peaks will be found. Align on the peak secured with the trimmer No. 9 (shortwave oscillator shunt trimmer)

FRONT OF SET SHORTWAYE OSC SHUNTTRIMMER (9) BROADCAST DET SILINT TRIMMER (6)

BRO BDC AST OSC. SHUNT TRUMBERG

SHUNT TRIMMER

must be readjusted at the proper frequency. at 19 meters shows that trimmer No. 9 is aligned on the image frequency and thus both No. 9 and 10 check for the image signal which should be weaker than the 20 meter signal. If the image is as strong as the signal it shows that trimmer No. 10 is not properly adjusted. No signal at 21 meters but one PADDING TRIMMER 4. Tune the receiver to about 21 meters, 85

trimmers except the padding trimmers should be locked in place with Ambroid or some similar type cement in order that they will not be jarred out of adjustment. Note: After completing the alignment, all of the

If the 6-A-8 and 6-K-, type tubes are inter-changed with the all-metal type, it is usually necessary to realign the receiver. Other tubes can be interchanged without realignment.

lower output, detune the trimmer in the opposite direction and retune the dial, etc. reading is reached. If this procedure results in a retuning the dial until the maximum output meter

DATA SHEET

STEWART-WARNER-30