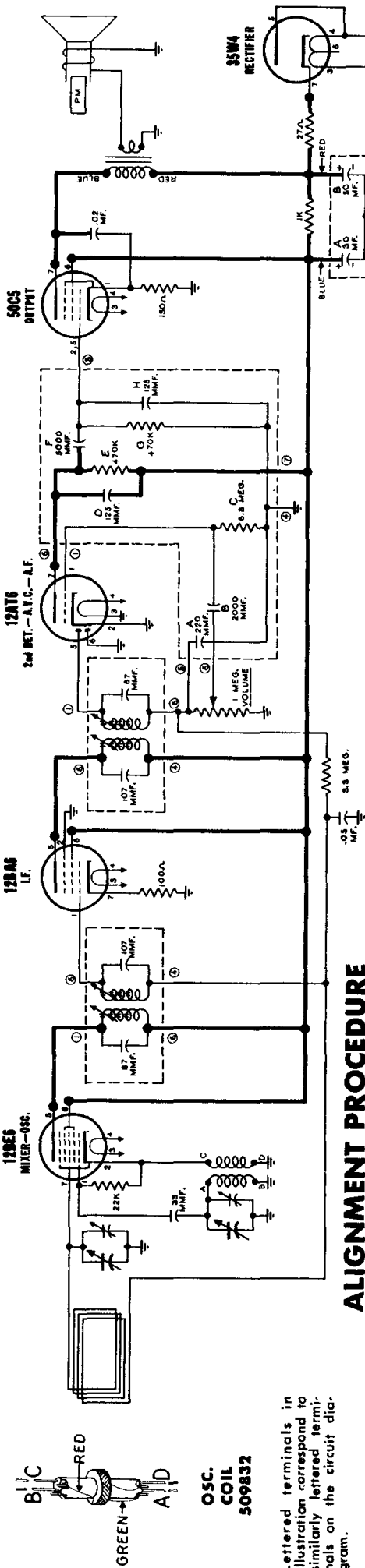


# STEWART-WARNER MODELS 9160-A, 9160-B, 9160-C, 9160-D & 9160-E

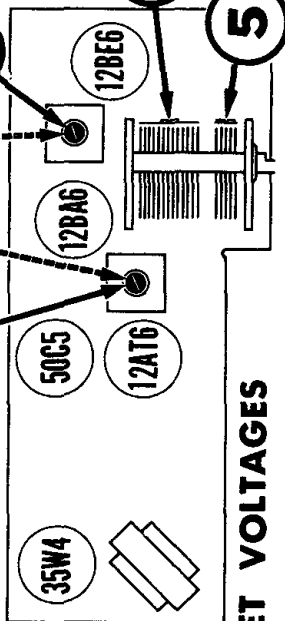


I.F. 455 KC.

## ALIGNMENT PROCEDURE

SIGNAL GENERATOR CONNECTION	SIGNAL GENERATOR FREQUENCY	RECEIVER DIAL SETTING	TRIMMER AND SLUG NUMBER	TRIMMER AND SLUG DESCRIPTION	TYPE OF ADJUSTMENT
Connect directly to coupling turn as described in step 2 above.	455 KC 400 cycle Modulation	Any point where it does not affect the signal.	1-2 3-4	2nd I.F. 1st I.F.	Adjust for maximum output. Then repeat adjustment.
Connect directly to coupling turn as described in step 2 above.	1500 KC 400 cycle Modulation	1500 KC	5	Broadcast Oscillator	Adjust for maximum output.
Connect directly to coupling turn as described in step 2 above.	1500 KC 400 cycle Modulation	Tune to 1500 KC generator signal	6	Broadcast Antenna	Adjust for maximum output.

SLUGS ② AND ③ ACCESSIBLE FROM BOTTOM OF TRANSFORMERS.

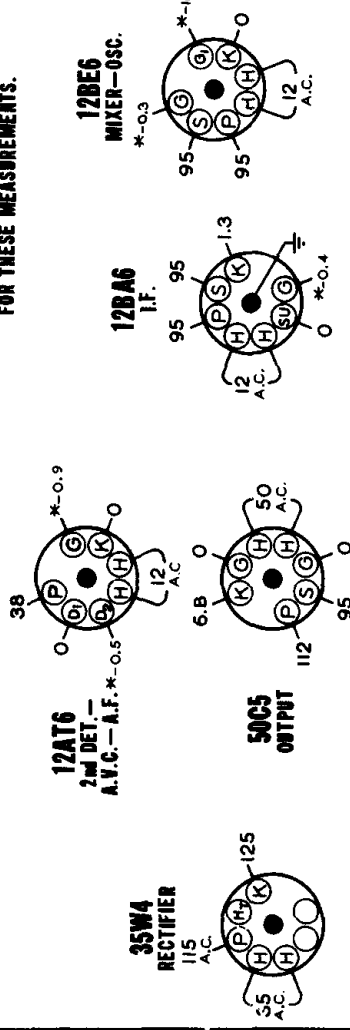


## SOCKET VOLTAGES

1. All measurements made with a voltmeter having a sensitivity of 20,000 ohms per volt except where indicated by (\*). The (\*) symbol designates a vacuum tube voltmeter measurement.
2. Dial tuned to maximum counter-clockwise position.

ALL VOLTAGES MEASURED BETWEEN SOCKET TERMINALS AND CHASSIS UNLESS OTHERWISE INDICATED. 117 VOLT 60 CYCLE A.C. POWER SUPPLY USED FOR THESE MEASUREMENTS.

## BOTTOM VIEW OF CHASSIS



1. During the alignment of this receiver, the Tuning and Pointer knob will have to be set to a specific frequency. Since the dial scale is an integral part of the cabinet, the receiver chassis must be in the cabinet for correct positioning of the gang condenser and pointer. Before removing chassis from cabinet it will first be necessary to take off Volume Control knob, to pry off the two retaining clips at top of cabinet back and to remove the two chassis mounting screws which are accessible through slot openings at each side of cabinet back. (NOTE: Do not disturb the two externally mounted screws at bottom of cabinet back; these screws serve to mount loop and back to chassis frame.) Then turn the Tuning and Pointer knob to the desired position for alignment and, taking care not to change this setting, pull Tuning and Pointer knob from gang condenser shaft. Now chassis can be withdrawn from cabinet without disturbing position of condenser.

2. Couple the signal generator to the receiver by connecting its output to several turns of wire formed in a circular shape so that it may be placed adjacent and parallel to the receiver loop antenna.
3. Connect an output meter across the speaker voice coil or from the plate of the 50C5 tube to chassis through a 0.1 Mfd. condenser.
4. Set volume control at maximum volume position and use a weak signal from the signal generator.