

## ALIGNING PROCEDURE

The bottom cover must be on the chassis

# Intermediate Frequency Alignment

remainder of the alignment procedure. are full on in which position they should be left for the frequency end and see that the volume and tone controls Turn the gang condenser full out of mesh to the high

one volt is very satisfactory for this purpose Connect an output meter to the voice coil terminals of the speaker; an A.C. voltmeter with a full scale range of

alignment repeat this last operation. control on full. which will tion of the output meter. cap of the 6A8G tube and adjust the trimmers on the I.F transformers L5 and L4 in that order for maximum deflec-Apply a 456 KC signal from a test oscillator to the grid give a readable deflection If the transformers were much out of Use as weak a signal as possible with the volume

#### Wave Trap Adjustment.

should be connected to the chassis as before through a standard dummy antenna or alternatively a 200 and connect it to the blue antenna wire of the chassis MMFD Remove the test oscillator lead from the 6A8G grid cap Mica condenser. The ground lead of the oscillator

ment. very strong input signal is necessary for the final adjustchassis with a small screwdriver for minimum output. A screw of the wave trap coil at the end of the rear of the be tightened again after the adjustment is made. instead of a tension spring, in which case the nut should With a strong 456 KC signal input adjust the slotted On some sets there may be a lock nut on this screw

TOP VIEW

VOLTS ON LINE.

MEASUREABLE.

### R.F. Alignment.

The Little Colonel"

TUBE VOLTAGES

scale calibration mark when the condenser is turned in to full mesh at the 530 KC end. First make sure that the pointer coincides with the last

exactly 1400 KC by checking against a master oscillator as signal on the antenna adjust the trimmer condensers C21 cies used in aligning the set properly. and C22 on the gang in that order for maximum output as broadcast signal or else the dial scale will not calibrate shown on the output meter. Then turn the pointer to 1400 KC and with a 1400 These remarks also apply to the other frequen-Make sure that the signal is KC

adjust the series pad C9 for maximum output rocking the condenser slowly about the 600 Then apply a 600 KC signal to the antenna and while KC point

KC alignment If C9 was very much out of adjustment repeat the 1400

SPEAKER PLUG-

GRD CLIP (607G)

SK7G

E C21

ANT. LEAD

1

A.C. CORD

ADJUSTMENT



# = 456 Kc



NOTE-2:-ALL VOLTAGES GIVEN ARE FOR 115 NOTE-1: THE OSCILLATOR BIAS DEVELOPED ON THIS TERMINAL IS NOT READILY

STEWART-WARNER-

FRONT OF SET