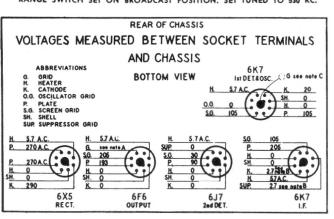
## SOCKET VOLTAGES

LINE YOLTAGE JIS YOLTS. YOLUME CONTROL ON FULL. ANTENNA GROUNDED RANGE SWITCH SET ON BROADCAST POSITION, SET TUNED TO 530 KC.



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. C: Grid voltage as on the 6F6 output is -14 volts measured across resistor No. 15 in the circuit diagram. for the 6K7 he cathode cir



1936-37

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SEDET. & OSC

1.1 meg

2 nd DE

100 v 21

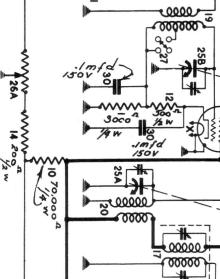
OUTPU

-000

00000

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8



150 V

30 .1 mfd

150V

456Kc

ALIGNING THE I.F. CIRCUIT

condenser between the plate

Connect the output meter in series with

of the 6F6 tube and

ground,

or

.25

mfd.

broadcast position. antenna lead to the chassis. across the voice coil, depending on the type of meter ion. (Note: Turn the range switch to the right (clockwise) to Note: The volume control of entire alignment to the maximum volume should be kept in this position Ground the posi-

condenser may spring back output as indicated 5. Align I. F. trimmers No. ut as indicated on the output meter. No inward or side-pressure should be applied to the alignment tool or the enser may spring back to a different setting as soon as 2, 3 and 4 for maximum

4. Adjust the test oscillator to its output to the control grid of the

sillator to exactly 456 KC, and connect grid of the 6K7 first detector tube and

Repeat all I. F. trimmer adjustments since the changing of each trimmer will affect the others to a certain extent.

## 000000 0000000 Locations Trimmer minimum is reached, of the trimmer. NOT 3. Without changing the test oscillator from the frequency setting used in aligning the I.F. stage, adjust trimmer No. 5 for MINIMUM output. Increase the test oscillator output as a should be adjusted 260,000 1/4 W ô 0-10,000 260,000 IW output. Increase the test oscillator output as a ched, in order to obtain a clearly defined setting NOTE: If code interference is troublesome on the neighborhood of 456 KC., the wave trap frequency as for MINIMUM output with Imfa 1504 5 1/2 W 138mfd the signal 5" SPKR is causing inter-

## 1. Disconnect the antenna lead from ground. 2. 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. WAVE TRAP ADJUSTMENT

Set the test oscillator to 1400 KC, and apply the signal to the receiver antenna lead through a 400 ohm carbon resistor.
 Tune the receiver to the signal for maximum output.
 Adjust trimmer No. 7 (detector shunt trimmer) for

R. F. ALIGNMEN

DATA SHEET

STEWART - WARNER-32

HASSIS MODEL

(Receiver Models 1421+1425)