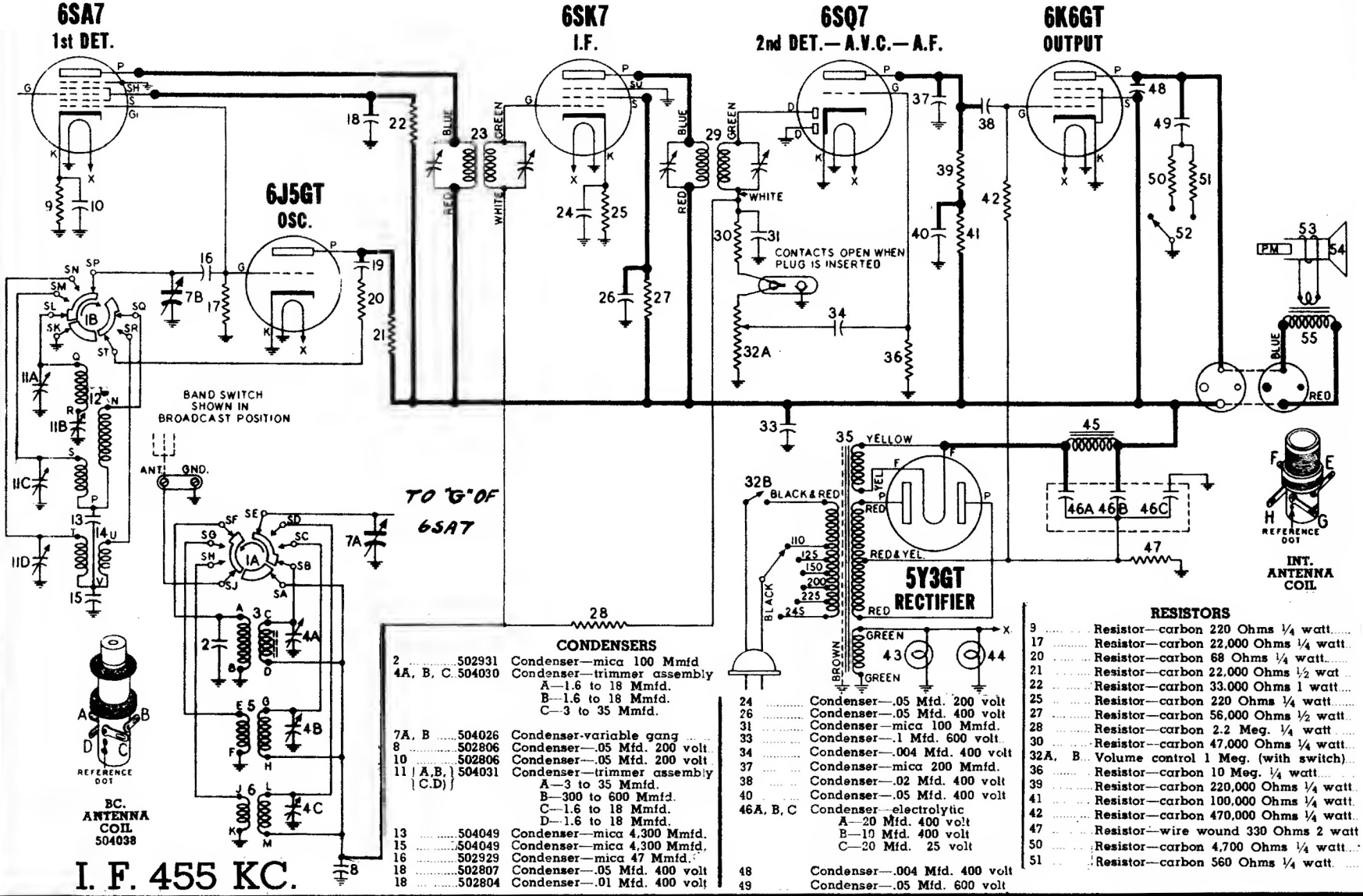
STEWART-WARNER MODEL 9013-A



CONDENSERS

2	502931	Condenser—mica 100 Mmfd
4A, B, C	504030	Condenser—trimmer assembly A—1.6 to 18 Mmfd. B—1.6 to 18 Mmfd. C—3 to 35 Mmfd.
7A, B	504026	Condenser-variable gang
8	502806	Condenser—.05 Mfd. 200 volt
10	502806	Condenser—.05 Mfd. 200 volt
11 (A, B, C, D)	504031	Condenser—trimmer assembly A—3 to 35 Mmfd. B—300 to 600 Mmfd. C—1.6 to 18 Mmfd. D—1.6 to 18 Mmfd.
13	504049	Condenser—mica 4,300 Mmfd.
15	504049	Condenser—mica 4,300 Mmfd.
16	502929	Condenser—mica 47 Mmfd.
18	502807	Condenser—.05 Mfd. 400 volt
18	502804	Condenser—.01 Mfd. 400 volt
24		Condenser—.05 Mfd. 200 volt
26		Condenser—.05 Mfd. 400 volt
31		Condenser—mica 100 Mmfd.
33		Condenser—.1 Mfd. 600 volt
34		Condenser—.004 Mfd. 400 volt
37		Condenser—mica 200 Mmfd.
38		Condenser—.02 Mfd. 400 volt
40		Condenser—.05 Mfd. 400 volt
46A, B, C		Condenser—electrolytic A—20 Mfd. 400 volt B—10 Mfd. 400 volt C—20 Mfd. 25 volt
48		Condenser—.004 Mfd. 400 volt
49		Condenser—.05 Mfd. 600 volt

RESISTORS

9	Resistor—carbon 220 Ohms ¼ watt
17	Resistor—carbon 22,000 Ohms ¼ watt
20	Resistor—carbon 68 Ohms ¼ watt
21	Resistor—carbon 22,000 Ohms ½ wat
22	Resistor—carbon 33,000 Ohms 1 watt
25	Resistor—carbon 220 Ohms ¼ watt
27	Resistor—carbon 56,000 Ohms ½ watt
28	Resistor—carbon 2.2 Meg. ¼ watt
30	Resistor—carbon 47,000 Ohms ¼ watt
32A, B	Volume control 1 Meg. (with switch)
36	Resistor—carbon 10 Meg. ¼ watt
39	Resistor—carbon 220,000 Ohms ¼ watt
41	Resistor—carbon 100,000 Ohms ¼ watt
42	Resistor—carbon 470,000 Ohms ¼ watt
47	Resistor—wire wound 330 Ohms 2 watt
50	Resistor—carbon 4,700 Ohms ¼ watt
51	Resistor—carbon 560 Ohms ¼ watt

SERVICE DATA FOR MODEL 9013-A

ALIGNMENT PROCEDURE

When gang condenser is fully meshed, dial pointer should be in the position indicated by the last division below 55 on the dial. If it is set incorrectly, release pointer clip on dial cord and reposition pointer.

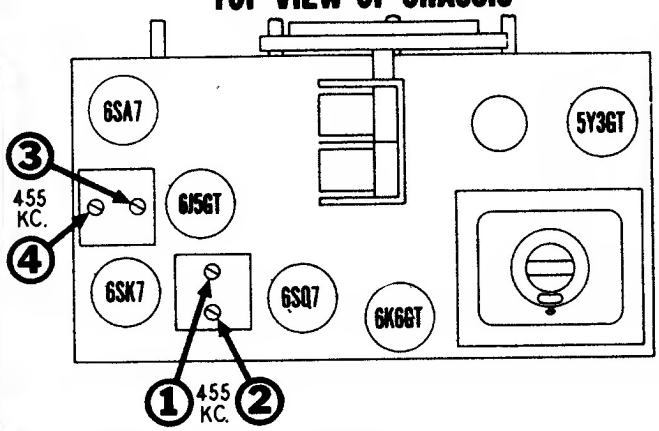
Connect on output meter across the speaker voice coil or from the plate of the 6K6GT tube to chassis through a 0.1 Mfd. condenser.

Connect the ground lead of the signal generator to the receiver chassis.

Set volume control to maximum volume position and use a weak signal from the signal generator.

DUMMY ANT. IN SERIES WITH SIGNAL GENERATOR	CONNECT HIGH SIDE OF SIGNAL GENERATOR TO	SIGNAL GENERATOR FREQUENCY	BAND SWITCH POSITION	RECEIVER DIAL SETTING	TRIMMER NUMBER	TRIMMER DESCRIPTION	TYPE OF ADJUSTMENT
1 MFD. Condenser	Lug on front section of gang.	455 KC	Broadcast (counter-clockwise)	Any point where it does not affect the signal.	1-2	2nd I.F.	Adjust for maximum output. Then repeat adjustment.
					3-4	1st I.F.	
200 MMFD. Mica Condenser	"ANT" terminal at rear of chassis.	1500 KC	Broadcast (counter-clockwise)	1500 Kc.	5	Broadcast Oscillator (Shunt)	Adjust for maximum output.
200 MMFD. Mica Condenser	"ANT" terminal at rear of chassis.	1500 KC	Broadcast (counter-clockwise)	Tune to 1500 Kc. generator signal.	6	Broadcast Antenna	Adjust for maximum output.
200 MMFD. Mica Condenser	"ANT" terminal at rear of chassis.	600 KC	Broadcast (counter-clockwise)	Tune to 600 Kc. generator signal.	7	Broadcast Oscillator (Series Pad)	Adjust for maximum output. Try to increase output by detuning trimmer and retuning receiver dial until maximum output is obtained.
400 OHM Carbon Resistor	"ANT" terminal at rear of chassis.	6.5 MC	Intermediate (middle)	6.5 Mc.	8	Intermediate Oscillator	Adjust to bring in signal. Check to see if proper peak was obtained by tuning in image at approx. 5.6 Mc. If image does not appear, realign at 6.5 Mc. with trimmer screw farther out. Recheck image.
400 OHM Carbon Resistor	"ANT" terminal at rear of chassis.	6.5 MC	Intermediate (middle)	Tune to 6.5 Mc. generator signal.	9	Intermediate Antenna	Adjust for maximum output. Try to increase output by detuning trimmer and retuning receiver dial until maximum output is obtained.
400 OHM Carbon Resistor	"ANT" terminal at rear of chassis.	21 MC	Short wave (clockwise)	21 Mc.	10	S.W. Oscillator	Adjust for maximum output. Check to see if proper peak was obtained by tuning in image at approx. 20.1 Mc. If image does not appear, realign at 21 Mc. with trimmer screw farther out. Recheck image.
400 OHM Carbon Resistor	"ANT" terminal at rear of chassis.	21 MC	Short wave (clockwise)	Tune to 21 Mc. generator signal.	11	S.W. Antenna	Adjust for maximum output. Try to increase output by detuning trimmer and retuning receiver dial until maximum output is obtained.

TOP VIEW OF CHASSIS



BOTTOM VIEW OF CHASSIS