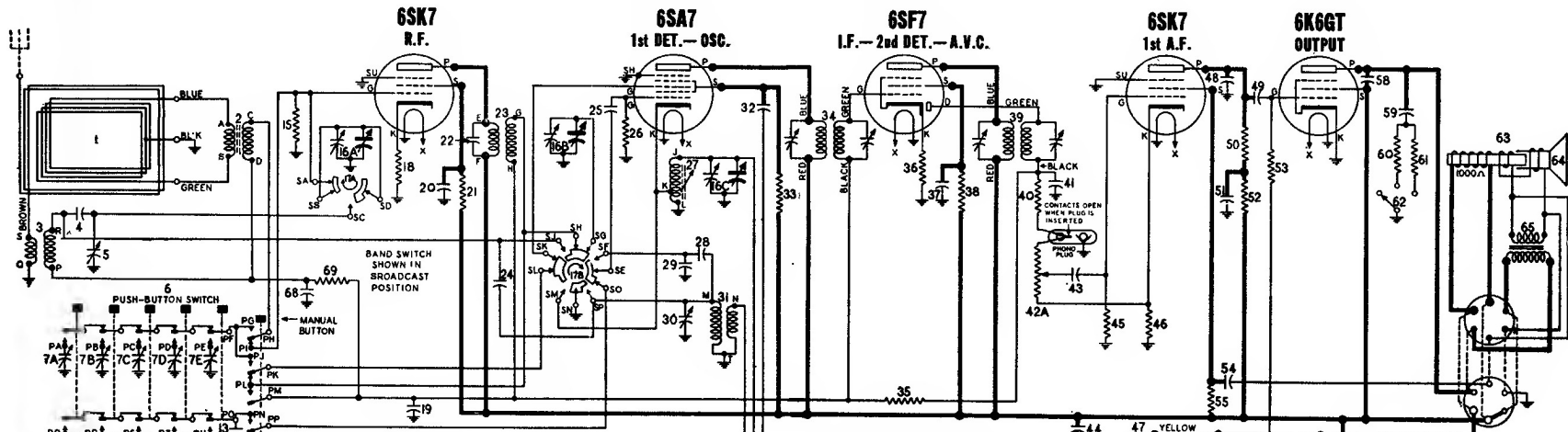


# DATA FOR STEWART-WARNER MODELS 9001-C, D, E, F

**NOTE:** A very small quantity of early production chassis utilized a circuit which differs from the one shown here. These differences may be summarized as follows:  
 1. Terminal "D" of BC Antenna Coil No. 2 and terminal "P" of S.W. Antenna Coil No. 3 were connected to ground and not to A.V.C. as shown below.  
 2. Condenser No. 68 and resistor 89 were omitted.  
 3. Resistor No. 18 was rated at 580 ohms 1/4 watt.  
 Improved sensitivity on Push-Button tuning and Short Wave operation may be obtained on these early production chassis by connecting coils No. 2 and No. 3 as shown in the circuit on this page and adding parts No. 68 and No. 89. Changing resistor No. 18 from 580 ohms to 220 ohms, will improve sensitivity for Manual tuning on the Broadcast Band.



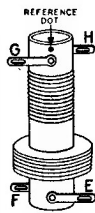
I.F. 455 KC.

### CONDENSERS

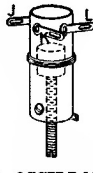
4	502202	Condenser—ceramic 150 Mmfd. 500 volt.
5	502172	Condenser—trimmer: 25 to 100 Mmfd.
7A to E	502910	Condenser—trimmer assem. for P-B tuner
13	502181	Condenser—mica 270 Mmfd. 500 volt.
14	502185	Condenser—mica 1,000 Mmfd. 500 volt.
16A, B, C	502122	Condenser—variable gang
19	502155	Condenser—.1 Mid. 200 volt.
20	502157	Condenser—.05 Mid. 400 volt.
22	502295	Condenser—ceramic 10 Mmfd. 500 volt.
24	502411	Condenser—.2 Mmfd. 500 volt.
25	502158	Condenser—mica 50 Mmfd. 500 volt.
28	502311	Condenser—ceramic 130 Mmfd. 500 volt.
29	502182	Condenser—ceramic 99 Mmfd. 500 volt.
30	502171	Condenser—trimmer: 5 to 35 Mmfd.
32	502151	Condenser—.01 Mid. 400 volt.
37	502157	Condenser—.05 Mid. 400 volt.
41	502271	Condenser—mica 260 Mmfd. 500 volt.
43	502150	Condenser—.004 Mid. 600 volt.
44	502157	Condenser—.05 Mid. 400 volt.
46	502160	Condenser—mica 110 Mmfd. 500 volt.
48	502152	Condenser—.02 Mid. 400 volt.
49	502410	Condenser—.1 Mid. 400 volt.
54	502405	Condenser—.25 Mid. 400 volt.
58	502150	Condenser—.004 Mid. 600 volt.
58	502154	Condenser—.05 Mid. 400 volt.
66A, B, C	502207	Condenser—electrolytic A—20 Mid. 400 volt. B—10 Mid. 400 volt. C—20 Mid. 25 volt.
66	502153	Condenser—.05 Mid. 200 volt.

### RESISTORS

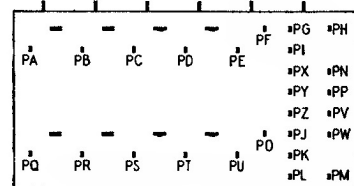
15	502468	Resistor—carbon 4.7 Meg. 1/4 watt.
18	502125	Resistor—carbon 220 ohms 1/4 watt.
21	502132	Resistor—carbon 100,000 ohms 1/4 watt.
28	502130	Resistor—carbon 22,000 ohms 1/4 watt.
33	502466	Resistor—carbon 33,000 ohms 1/4 watt.
35	502135	Resistor—carbon 2.2 Meg. 1/4 watt.
38	502284	Resistor—carbon 47 ohms 1/4 watt.
38	502467	Resistor—carbon 68,000 ohms 1/2 watt.
40	502111	Resistor—carbon 47,000 ohms 1/4 watt.
42A, B	502148	Volume control 500,000 ohms (with switch)
45	502468	Resistor—carbon 4.7 Meg. 1/4 watt.
46	502128	Resistor—carbon 2,200 ohms 1/4 watt.
50	502133	Resistor—carbon 220,000 ohms 1/4 watt.
52	502132	Resistor—carbon 100,000 ohms 1/4 watt.
53	502134	Resistor—carbon 470,000 ohms 1/4 watt.
55	502135	Resistor—carbon 2.2 Meg. 1/4 watt.
60	502291	Resistor—carbon 4,700 ohms 1/4 watt.
61	502127	Resistor—carbon 560 ohms 1/4 watt.
67	502137	Resistor—wire wound 330 ohms 2 watt.
69	502134	Resistor—carbon 470,000 ohms 1/4 watt.



R.F. COIL  
502113



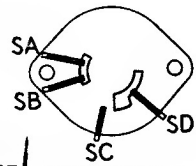
BC. OSCILLATOR  
COIL  
502114



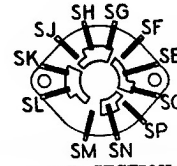
PUSH-BUTTON SWITCH



S.W. OSCILLATOR  
COIL  
502111



FRONT SECTION  
REAR VIEW



REAR SECTION  
REAR VIEW

# STEWART-WARNER 9001-C, D, E, F

## ALIGNMENT PROCEDURE

Remove chassis and loop antenna from cabinet (do not remove loop of wire stapled to cabinet). After chassis has been removed, replace loop antenna in cabinet. Stand the chassis on one end and space it approximately same distance from loop as when installed in cabinet. Then reconnect all leads to loop antenna and to loop of wire stapled on cabinet.

With the gang condenser 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 output meter across speaker voice coil or from plate of 6K6GT tube to chassis through a .1 Mfd. condenser.

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

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

Push in the manual button and leave it in that position throughout the alignment procedure.

Align this receiver in exactly the order shown below. Broadcast band must be aligned before short wave band.

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	Trimmer on rear section of gang	455 KC	Broadcast (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.		
500 MMFD. Mica Condenser	External Antenna Clip on Loop Frame	1500 KC	Broadcast (Clockwise)	1500 KC	5	Broadcast Oscillator (Shunt)	Adjust for maximum output.	
500 MMFD. Mica Condenser	External Antenna Clip on Loop Frame	1500 KC	Broadcast (Clockwise)	Tune to 1500 Kc. generator signal.	6	Broadcast R.F.	Adjust for maximum output.	
500 MMFD. Mica Condenser	External Antenna Clip on Loop Frame	1500 KC	Broadcast (Clockwise)	Tune to 1500 Kc. generator signal.	7	Broadcast Antenna	Adjust for maximum output.	
500 MMFD. Mica Condenser	External Antenna Clip on Loop Frame	600 KC	Broadcast (Clockwise)	Tune to 600 Kc. generator signal.	8	Adjustable core of Broadcast Oscillator Coil.	Adjust for maximum output. Try to increase output by rotating core in and out and retuning receiver dial until maximum output is obtained.	
500 MFD. Mica Condenser	External Antenna Clip on Loop Frame	Repeat adjustment of trimmers 5, 6 and 7 at 1500 Kc. Then re-check adjustment of trimmer 8 at 600 Kc.						
400 OHM Carbon Resistor	External Antenna Clip on Loop Frame	12 MC	Short wave (Counter-Clockwise)	12 MC	9	S.W. Oscillator	Adjust for maximum output. Check to see if proper peak was obtained by tuning in image at approx. 11.1 MC. If image does not appear, realign at 12 MC, with trimmer screw farther out. Recheck image.	
400 OHM Carbon Resistor	External Antenna Clip on Loop Frame	12 MC	Short wave (Counter-Clockwise)	Tune to 12 MC. generator signal.	10	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

