



Lettered terminals in illustrations correspond to similarly lettered terminals on the circuit diagram.

STEWART-WARNER MODELS [B61T1] [B61T2] ALIGNMENT PROCEDURE

1. Remove chassis from cabinet—allow loop antenna to remain attached to chassis.
2. Note that there are four calibrating lines stamped into front edge of the metal dial frame. When gang condenser is fully meshed, dial pointer should be in the position indicated by first line at the left. If it is set incorrectly, release pointer clip on dial cord and reposition pointer.
3. Connect an output meter across the speaker voice coil or from plate of 35L6GT tube to B— through a .1 Mfd. condenser (see voltage chart for convenient B— connection).
4. Connect ground lead of signal generator to B— lug. CAUTION: If your test oscillator is designed with an AC-DC power supply, connect ground lead of signal generator to B— lug through a .25 Mfd. condenser.
5. Set volume control to maximum volume position and use a weak signal from the signal generator.

DUMMY ANT. IN SERIES WITH SIGNAL GENERATOR	CONNECTION OF SIG. GENERATOR OUTPUT TO RECEIVER	SIGNAL GENERATOR FREQUENCY	RECEIVER DIAL SETTING	TRIMMER NUMBER	TRIMMER DESCRIPTION	TYPE OF ADJUSTMENT
200 MMFD. Mica Condenser	Control Grid of 12SA7	455 KC	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	External Antenna Terminal on Loop Frame	1650 KC	Gang condenser fully open.	5	Broadcast Oscillator (Shunt)	Adjust for maximum output.
200 MMFD. Mica Condenser	External Antenna Terminal on Loop Frame	1500 KC	Tune to 1500 KC generator signal	6	Broadcast R.F.	Adjust for maximum output.
200 MMFD. Mica Condenser	External Antenna Terminal on Loop Frame	1500 KC	Tune to 1500 KC generator signal	7	Broadcast Antenna	Adjust for maximum output.

CONDENSERS

DIA. GRAM NO.	PART NO.	DESCRIPTION
11	502152	Condenser—.02 Mfd. 400 volt.
13-A, B, C	502123	Condenser—variable gang (with drum).
17	502159	Condenser—mica 50 Mmfd. 500 volt.
19	502262	Condenser—.25 Mfd. 200 volt.
22	502155	Condenser—.1 Mfd. 200 volt.
23	502155	Condenser—.15 Mfd. 400 volt.
26	502158	Condenser—ceramic 150 Mmfd. 350 volt.
29	505028	Condenser—ceramic 150 Mmfd. 350 volt.
31	505026	Condenser—ceramic .002 Mfd. 150 volt.
32, 33	504977	Condenser—ceramic .002 Mfd. 150 volt.
36	502160	Condenser—mica 110 Mmfd. 500 volt.
38	505028	Condenser—.05 Mfd. 150 volt.
39	504973	Condenser—ceramic 22 Mmfd. 500 volt.
42-A, B	500256	Condenser—electrolytic A—20 Mfd. 150 volt } B—40 Mfd. 150 volt }
44	502151	Condenser—.01 Mfd. 400 volt.
46	505071	Condenser—.2 Mfd. 400 volt.
49	502157	Condenser—.05 Mfd. 400 volt.

RESISTORS

DIA. GRAM NO.	PART NO.	DESCRIPTION
14	510025	Resistor—carbon 220 Ohms 1/4 watt.
16	510061	Resistor—carbon 22,000 Ohms 1/4 watt.
20	510049	Resistor—carbon 4700 Ohms 1/4 watt.
23	510021	Resistor—carbon 150 Ohms 1/4 watt ± 10%
24	510091	Resistor—carbon 1 Meg. 1/4 watt.
27	510064	Resistor—carbon 33,000 Ohms 1/4 watt.
28-A, B	504967	Volume control 1 Meg. (with switch)
30	510079	Resistor—carbon 220,000 Ohms 1/4 watt.
35	510097	Resistor—carbon 10 Meg. 1/4 watt.
37	510085	Resistor—carbon 470,000 Ohms 1/4 watt.
40	510085	Resistor—carbon 470,000 Ohms 1/4 watt.
41	510121	Resistor—carbon 150 Ohms 1/2 watt + 10%
43	510239	Resistor—carbon 1,500 Ohms 1 watt + 10%
47	510973	Resistor—carbon 100,000 Ohms 1/4 watt.
51	510029	Resistor—carbon 390 Ohms 1/4 watt ± 10%
52	510210	Resistor—carbon 33 Ohms 1 watt.

DIA. GRAM NO.	PART NO.	DESCRIPTION
1	455 KC.	OSC. COIL 507211
2	455 KC.	OSC. COIL 507211
3	455 KC.	OSC. COIL 507211
4	455 KC.	OSC. COIL 507211
5	1650 KC.	OSC. COIL 507211
6	1500 KC.	OSC. COIL 507211
7	1500 KC.	OSC. COIL 507211