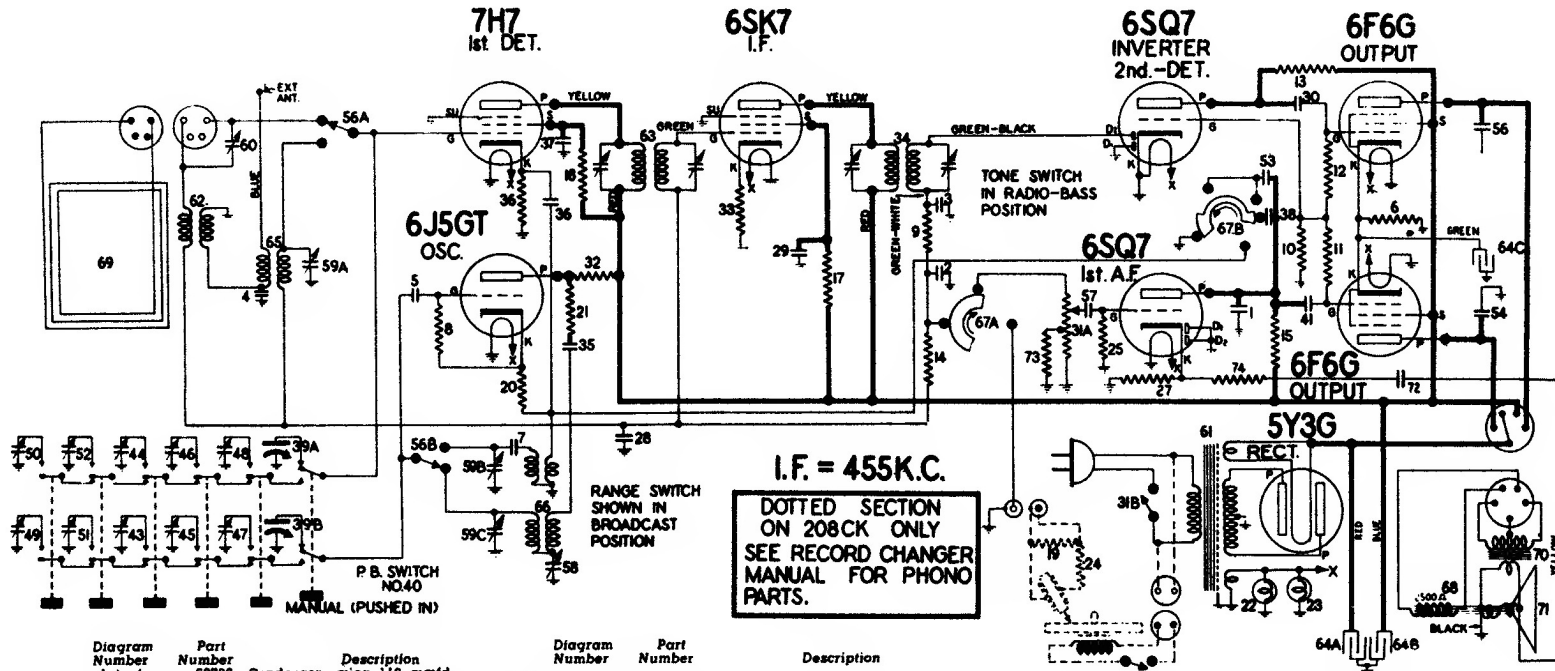


STEWART-WARNER 208B & 208C CHASSIS

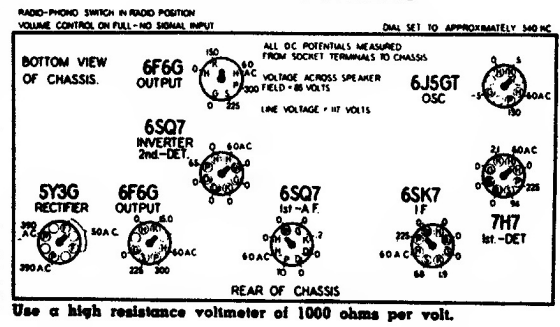
(RECEIVER MODELS
208BK AND 208CK)



I.F. = 455K.C.
 DOTTED SECTION
 ON 208CK ONLY
 SEE RECORD CHANGER
 MANUAL FOR PHONO
 PARTS.

Diagram Number	Part Number	Description	Diagram Number	Part Number	Description
1 to 4	63783	Condenser mica 110 mfd.	47-48	119664	Condenser push button trimmer (High Freq.)
5	85061	Condenser mica 51 mfd.	49 to 52	119753	Condenser push button trimmer (Low Freq.)
6	88462	Resistor wire wound 270 ohms 1 watt.	53 to 55	119817	Condenser .004 mfd. 600 volt.
7	69587	Condenser mica .0042 mfd.	56A-56B	119859	Switch band
8-9	110552	Resistor carbon 47,000 ohms 1/4 watt.	57	119875	Condenser .002 mfd. 600 volt.
10 to 13	110553	Resistor carbon 220,000 ohms 1/4 watt.	59	119934	Condenser padder
14	110554	Resistor carbon 1 meg. 1/4 watt.	59A	180415	Condenser trimmer 3 section
15	110555	Resistor carbon 470,000 ohms 1/4 watt.	60	180449	Condenser trimmer for loop
17-19	110564	Resistor carbon 100,000 Ohms 1/4 watt.	61	500116	Transformer power (80 cycles).
	110565	Resistor carbon 22,000 ohms 1/4 watt.	62	500255	Coil B. C. antenna loading
19	110551	Resistor carbon 680,000 ohms 1/4 watt.	63	500801	Transformer 1st I.F.
20-21	110590	Resistor carbon 160 ohms 1/4 watt.	64A to 64C	501060	Condenser electrolytic A 20 mfd. 400 volt B 15 mfd. 400 volt C 20 mfd. 25 volt
22-23	110629	Dial Light Bulb 6.3 volt (Masda No. 44)	65	501159	Coil - short wave antenna.
24	112632	Resistor carbon 150,000 ohms 1/4 watt.	66	501160	Coil - oscillator (B.C. & S.W.)
25	112575	Resistor carbon 10 meg. 1/4 watt.	67A-97B	501180	Switch - tone
26-27	116078	Resistor 560 ohms 1/4 watt.	68	M-501245	Speaker dynamic 12"
	116625	Condenser .1 mfd. 600 volt.	69	501293	Loop Antenna
28 to 30	116919	Condenser .05 mfd. 600 volt.	70	M-501304	Transformer - output for M-501245 Spkr.
31A-31B	118669	Volume Control 1 meg. (with switch)	71	M-501305	Cone & Voice Coil for M-501245 Spkr.
32	118905	Resistor carbon 10,000 ohm 1 watt.	72	118925	Condenser .1 mfd.
33	118227	Resistor carbon 270 ohms 1/4 watt.	73	110585	Resistor carbon 22,000 ohms 1/4 watt.
34	119024	Transformer 2nd I.F.	74	110589	Resistor carbon 10,000 ohms 1/4 watt
35 to 38	119193	Condenser .01 mfd. 600 volt.			
39A-39B	119291	Condenser variable tuning			
40	119346	Switch - push button			
41	116414	Condenser .02 mfd. 600 volt.			
43 to 46	119893	Condenser push button trimmer (Med. Freq.)			

SOCKET VOLTAGES



Use a high resistance voltmeter of 1000 ohms per volt.

SERVICE DATA for 208B & 208C CHASSIS

ALIGNMENT EQUIPMENT & PROCEDURE

1. Connect the output meter across the voice coil or from the plate of one 6F6G output tube to chassis through a .1 mfd. condenser.
2. Connect the ground lead of the signal generator to the receiver chassis.
3. Check the pointer to see that it is correctly set to the low freq. end of the dial scale with gang in full mesh.
4. Push in the "manual" button and keep it pushed in.
5. Turn the volume control to the maximum volume position, and the tone control to the "Radio-Speech" position.
6. FOLLOW THE ORDER OF ALIGNMENT INDICATED BELOW.

Dummy Ant. in Series with Sig. Gen.	Connection of Sig. Generator Output to Receiver	Signal Generator Frequency	Band Switch Position	Receiver Dial Setting	Trimmer Number	Trimmer Description	Type of Adjustment
.1 MFD Condenser	Lug on Rear Section of Gang Cond.	455 KC	Broadcast	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.	
400 OHM Carbon Resistor	Blue Lead from Chassis	16 MC	Foreign	16 MC	5	Foreign Oscillator	Adjust for Maximum Output. Check to see if Proper Peak was Obtained by Tuning in Image at Approx. 15.1 MC. If Image does not appear, Realign at 16 MC, with Trimmer Screw farther out. Recheck Image.
400 OHM Carbon Resistor	Blue Lead from Chassis	16 MC	Foreign	Tune to 16 MC Generator Signal	6	Foreign Antenna	Adjust for Maximum Output. Try to increase Output by Detuning Trimmer and Retuning Receiver Dial until Maximum Output is Obtained.
No Connection	Place Lead from Signal Gen. Near Loop	1500 KC	Broadcast	1500 KC	7	Broadcast Oscillator (Shunt)	Adjust for Maximum Output.

NOW PLACE THE CHASSIS AND LOOP ANTENNA INTO POSITION IN THE CABINET.

No Connection	Place Lead from Signal Gen. Near Loop	1500 KC	Broadcast	Tune to 1500 KC Generator Signal	8	Broadcast Antenna	Adjust for Maximum Output.
No Connection	Place Lead from Signal Gen. Near Loop	600 KC	Broadcast	Tune to 600 KC Generator Signal	9	Broadcast Oscillator (Series)	Adjust for Maximum Output. Try to increase Output by Detuning Trimmer and Retuning Receiver Dial until Maximum Output is Obtained.

MISCELLANEOUS PARTS

Part Number	Description
501182	Cable—motor (with receptacle)
117493	Cable—pickup
114355	Clamp—for dial cord
112745	Clip—coil mounting
117057	Cord—drive (specify 6 ft. lengths)
501199	Dial Scale
113402	Drum—dial cord drive
169182	Escutcheon—dial with glass
160634	Escutcheon—push button (complete)
88348	Eyelet—for pointer cord
160219	Knob
12349	Nut—8-32 for mounting
116952	Pin for push buttons
119451	Pointer
160185	Push button
81145	Retaining ring for tuning shaft
113463	Rubber Bushing—chassis mounting
118606	Shaft—tuning
112874	Screw—No. 10 x 1½ chassis mounting
114314	Screw—special head for mounting escutcheon
85827	Set Screw—8-32 Sq. Hd. for drive drum
119791	Socket—octal
114978	Socket—octal, with special ground
114876	Socket—octal (rectifier)
160294	Socket for 7H7 8 prong
500051	Socket for loop antenna

