

## WIRING DIAGRAM, MODELS B2CP AND B2CQ — CHASSIS MODEL No. 75

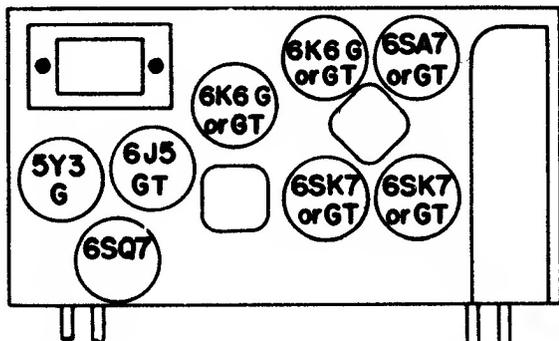
**THE AUTOMATIC RECORD CHANGER**—This record changer will automatically play a series of twelve 10" or ten 12" records of the standard 78 R. P. M. type. The records must be all one size when loading, and may consist of less records than listed above. Records of any size up to 12" may be played manually.

**CAUTIONS**—1. Never use force to start or stop the motor or any part of the record changing mechanism or pick-up arm. 2. The use of records which have become warped or damaged through improper care may cause the mechanism to jam and damage the instrument. 3. Do not leave records on the supports, as they may warp, particularly in warmer climates. 4. Never leave the pickup arm with the needle resting on a record or the turntable.

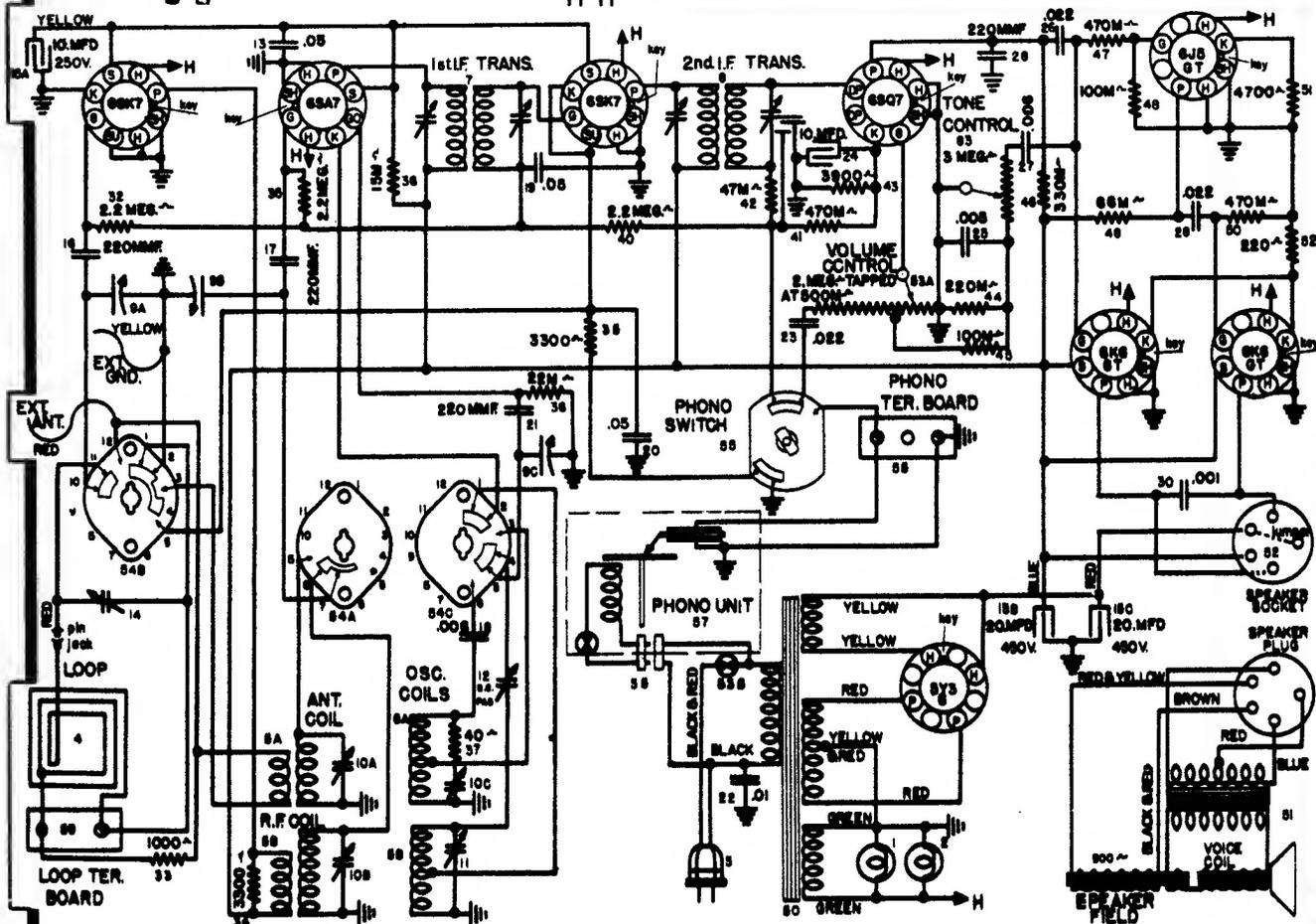
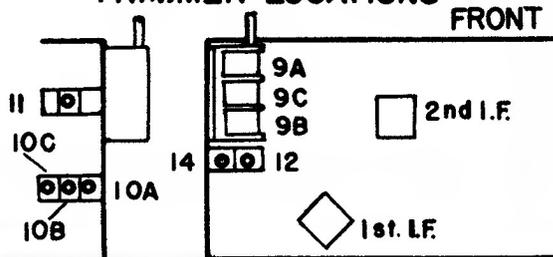
**THE FLOATING JEWEL TONE SYSTEM**—The "Floating Jewel Tone System" is a Crosley invention and an exclusive feature on your Crosley phono-combination. Its sapphire point literally floats across the surface of the record, reducing record wear and assuring maximum tonal fidelity. Needle noise is virtually eliminated. The "Floating Jewel Tone System" supplied with the phono-combination you have purchased is good for years of normal service.

**CAUTION:** Avoid dropping the tone arm on a record or the turntable. Use only the Crosley "Floating Jewel Tone System" with your set.

**SETTING FOR SIZE OF RECORD**—The shelf on the record holder post or the side support for the records may be turned and snaps into place in two points, one for the ten inch records, and the other for the twelve inch records. When the record holder clip (on top of the record holder post) is toward the center spindle, the number showing on the record holder clip is the size record the changer is set to automatically operate.



### TRIMMER LOCATIONS



## FOR CROSLEY MODELS 82CP, 82CQ—CHASSIS MODEL NO. 75

**STARTING THE CHANGER**—Turn the control knob clockwise to the "ON" position; after the turntable has attained speed, turn the control knob all the way counter clockwise to the "REJ." position for a few seconds and release. The bottom record will fall on the turntable and the unit will automatically play the entire stack of records. If the changing cycle should fail to start, repeat the above operation.

**REJECTING A RECORD**—To reject a record, it is only necessary to turn the control knob counter clockwise to the "REJ." position for a few seconds and release. A record can be rejected anytime the needle is in contact with the record.

**UNLOADING THE CHANGER**—Turn the control knob to the "OFF" position and remove the center spindle by pulling straight up. The played records may now be easily removed after which the center post should be replaced. The center spindle must be turned when being replaced so that it drops into correct position.

### TO PLAY RECORDS MANUALLY

**MANUAL OPERATION**—Manual operation is used for all home recordings and for single records if desired. **CAUTION:** For playing records of less than 10" diameter always set the record holding shelf in same position as is used for playing 12" records. Otherwise "Floating Jewel Tone System" may be damaged. 1. Remove the center spindle by pulling straight up. 2. Place record on turntable with desired selection upward. 3. Turn the control knob to the "ON" position. 4. Place pickup on record so the needle enters the outside groove of the record. 5. Adjust volume control to desired level.

**50 CYCLE OPERATION**—(Phonograph)—If operation is desired on 50 cycle current, a small spring, see parts list, must be added to the motor shaft.

**SERVICE**—If your receiver fails to operate satisfactorily, check the tubes to see that all are pushed well down into their respective sockets and that all grid clips are securely in place on the top caps of the tubes. Check the antenna (loop terminals), and power supply connections for good contact. If this visual inspection does not reveal the source of the trouble, disconnect the receiver from the power supply and call a competent service man, preferably your Crosley Dealer.

### ALIGNMENT PROCEDURE

Preliminary  
 Output Meter Connections..... Plate to Plate of 6K6GT's  
 Generator Ground Connection..... To Chassis or Ground Lead  
 Dummy Antenna to be in series with generator output..... See Chart Below  
 Position of Volume Control..... Fully On  
 Position of Tone Control..... Treble or Speech

Align- ment Sequence	Dummy Antenna	Frequency Setting	Input Connection to Receiver	Band Switch	Tuning Cond. Setting	Trimmer Adjusted	Remarks
1.	.02 MF.	455 Kc.	Stator lug Rear section of Gang Cond.	B. C.	Fully open	2nd I-F (2) 1st I-F (2)	Adjust for Maximum. Adjust for Maximum.
2.	.0002 MF.	1650 Kc.	Ant. Terminal	B. C.	Fully open	B. C. "OSC" Trimmer	Adjust for peak; gang does not have to tune thru signal. Loop must be connected.
3.	.0002 MF.	600 Kc.	Ant. Terminal	B. C.	Approx. 60 on dial	B. C. "OSC" Series Trimmer	Adjust for maximum output while rocking gang thru signal.
4.	Repeat Step No. 2 to check possible shift due to series adjustment.						
5.	.0002 MF.	1400 Kc.	Ant. Terminal	B. C.	Approx. 140 on dial	B. C. "ANT" Trimmer B. C. "R-F" Trimmer	Adjust for maximum output do not touch B. C. Osc. Trimmer. Adjust for maximum output.
6.	400 ohm (carbon)	18.3 Mc.	Ant. Terminal	S. W.	Fully open	S. W. "OSC"	Adjust for peak. Gang does not have to tune thru signal.
7.	400 ohm (carbon)	18.0 Mc.	Ant. Terminal	S. W.	Approx. 18	S. W. "ANT" Trimmer	Adjust for maximum output while rocking gang thru signal.
8.	Repeat the above alignment procedure for more accurate adjustments. Always keep signal generator output as low as possible to prevent action of the A. V. C. circuit.						

**IMPORTANT ALIGNMENT NOTES**—When aligning the shortwave bands "OSC" trimmers care must be exercised to see that the circuits are aligned on the correct frequency and not on the image which is approximately 910 kilocycles less as indicated on the Receiver dial. To check, increase generator output, tune-in the generator frequency and then tune-in the image frequency which should be weaker than the fundamental and come in approximately 910 kilocycles lower on the Receiver dial than the fundamental. If image cannot be tuned-in, the "OSC" trimmer is adjusted to the wrong peak. (Correct peak is the second peak on trimmer from the closed position).

### TUBE VOLTAGE CHART

SOCKET VOLTAGES MEASURED AT 117.5 V. LINE (BETWEEN SOCKET PIN AND CHASSIS) WITH 1000 OHM PER VOLT,  
500 V. RANGE VOLTMETER (D. C.)

TUBE	FUNCTION	PIN NUMBER							
		1	2	3	4	5	6	7	8
6SK7GT—R. F. Amplifier.....		0	0	0	0	0	82	6.3 A. C.	210
6SA7GT—OSC.—Mod.....		0	0	210	82BC	0	0	6.3 A. C.	0
6SK7GT—I. F. Amplifier.....		0	0	0	0	-6.5BC - -OSW -	82	6.3 A. C.	210
6SQ7—Det. A. S. C. 1st A. F.....		0	0	1.4	0	0	78	6.3 A. C.	0
6J5GT—Phase Inverter.....		0	0	125	N. C.	0	0	6.3 A. C.	5.2
6K6GT(2)—Output.....		0	0	200	210	0	0	6.3 A. C.	13
5Y3G—Rectifier.....		N. C.	300	N. C.	338	J. B.	338 A. C.	J. B.	300

MAX. POWER OUTPUT..... 6.5 WATTS

POWER CONSUMPTION..... 85 WATTS

DROP ACROSS SPEAKER FIELD..... 90 VOLTS

N. C.—No Connection