INSTALLATION, OPERATION AND SERVICE INSTRUCTIONS FOR CROSLEY RADIO MODEL 52-TQ — CHASSIS No. 83

THE RADIO-PHONO SWITCH (center knob) when turned to the right is for radio broadcast reception and when turned to the left cuts off the radio signals and switches in changer. The Volume Control and Line Switch of the receiver must be turned on before the motor will operate. This volume control also controls the output level of the phonograph.

THE AUTOMATIC RECORD CHANGER—The record changer built in this combination 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.

ALIGNMENT PROCEDURE CHART

Alignment Sequence	Dummy Antenna	Frequency Setting	Input Connection to Receiver	Phono. Radio Switch	Tuning Cond. Setting	Trimmer Adjusted	Remarks
1.	.0001 MF.	455 KC.	Antenna Lead	Radio	Fully Open	1st I-F(2) 2nd I-F(2)	Adjust for maximum signal. Adjust for maximum signal.
2.	.0001 MF.	1650 KC.	Antenna Lead (red)	Radio	Fully Open	B.C."Osc."	Adjust for maximum output. Gang does not have to tune through signal.
3.	.0001 MF.	1400 KC.	Antenna Lead (red)	Radio	140 Dial	B.C."Ant."	Adjust for maximum output.

Repeat the original alignment procedure for more accurate adjustments. Always keep signal generator output as low as possible to prevent action of the A. S. C. circuit.

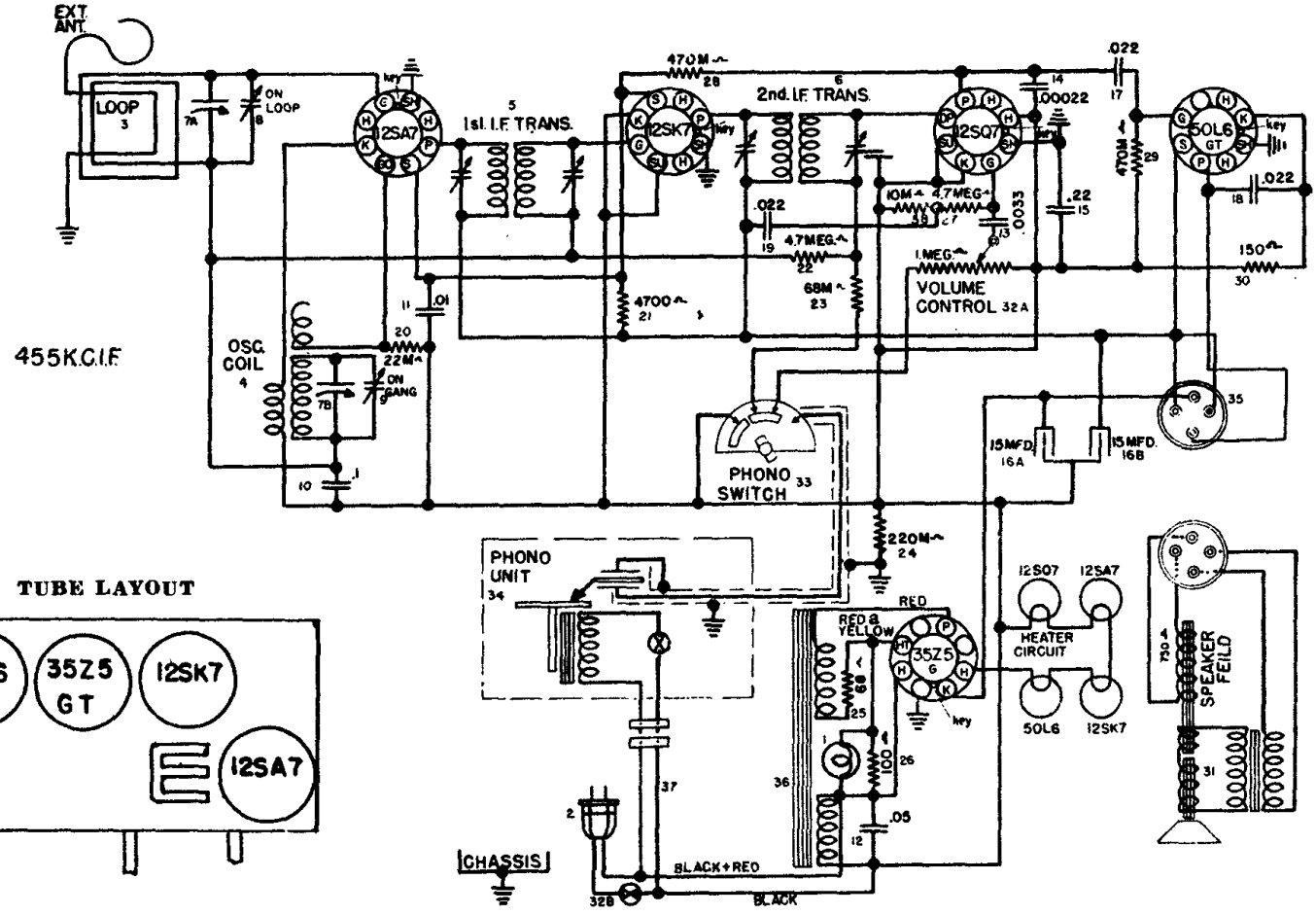
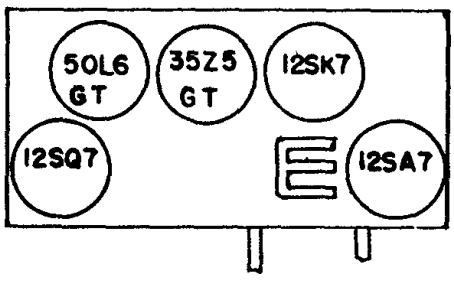
Socket Voltage is measured @ 117.5 V line

TUBE VOLTAGE CHART

(BETWEEN SOCKET PINS AND B—) WITH 1000 OHM PER VOLT—500 V. RANGE D. C. VOLTMETER

TUBE	FUNCTION	PIN NUMBER							
		1	2	3	4	5	6	7	8
12SA7	Osc. Mod.	....	....	123	78	Neg.	0	....	Neg.
12SK7	I. F. Amp.	....	....	0	Neg.	0	78	....	123
12SQ7	Det., Etc.	....	0	0	0	Neg.	18.5*	....	0
50L6	B. P. O.	....	....	112	123	0	....	....	8.5
35Z5	Rect.	....	....	....	....	208AC	....	....	188

All voltages may vary 10% of values indicated. Neg. indicates Neg. reading on Voltmeter Scale but of too small a value to record accurately.
*Measured on 100 V. Scale. Power consumption at 117.5 V. line, 60 watts. Phono Motor 20 watts additional. Drop across Speaker Field—65 V. Current thru Speaker Field—90 M. A.



TUBE LAYOUT