



MODEL -- 34

455 KC I. F.

OPERATION OF FUNCTION SWITCH

POSITION	FUNCTION
1	RECORD PLAYING
2	RADIO RECEIVING
3	RADIO RECORDING
4	MIKE RECORDING

The Crosley Corporation

Model 34

INSTRUCTIONS FOR MODEL 34BH

RADIO RECEIVER ALIGNMENT PROCEDURE

Preliminary

Output Meter Connections.....	Plate to Plate of 6K6'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
Position of Function Switch.....	Radio
Position of Mike Level Control.....	All the Way to Left (Off)

Align- ment Sequence	Dummy Antenna	Frequency Setting	Input Connection to Receiver	Band Switch	Tuning Cond. Setting	Trimmer Adjusted	Remarks
1.	.02 MF.	455 Kc.	Grid of 6A8GT	B. C.	Fully open	2nd I-F (2) 1st I-F (2)	Adjust for Maximum. Adjust for Maximum.
2.	.0002 MF.	1650 Kc.	Ant. Lead (Blue)	B. C.	Fully open	B. C. "OSC" Trimmer	Adjust for peak; gang does not have to tune thru signal.
3.	.0002 MF.	600 Kc.	Ant. Lead (Blue)	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. Lead (Blue)	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 while rocking gang thru signal.
6.	400 ohm (carbon)	5.3 Mc.	Ant. Lead (Blue)	Police	Fully open	Pol "OSC"	Adjust for peak; gang does not have to tune thru signal.
7.	400 ohm (carbon)	5.0 Mc.	Ant. Lead (Blue)	Police	Approx. 5.0	Pol "ANT" and "R-F" Trimmers	Adjust for maximum output while rocking gang thru signal.
8.	400 ohm (carbon)	18.3 Mc.	Ant. Lead (Blue)	S. W.	Fully open	S. W. "OSC"	Adjust for peak. Gang does not have to tune thru signal.
9.	400 ohm (carbon)	18.0 Mc.	Ant. Lead (Blue)	S. W.	Approx. 18	S. W. "ANT" and "R-F" Trimmers	Adjust for maximum output while rocking gang thru signal.

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 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 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).

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

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

TUBE	FUNCTION	SOCKET PIN NUMBER							
		1	2	3	4	5	6	7	8
6K7GT	R-F Amp.	.....	.....	195	78.6	.....	2.0	*6.3	2.0
6A8GT	Osc.-Mod.	.....	.....	195	78.6	.....	136	*6.3	1.0
6SK7	I-F Amp.	.....	.....	.....	.....	5.5 B.C. 2.6 S.W.	78.6	*6.3	234
6SQ7	Det. A.V.C. 1st A-F	.....	.....	.....	.....	.....	110	*6.3	.....
6J5GT	Phase Invert.	.....	.....	118	195	.....	110	*6.3	4.5
6K6GT	Output	.....	.....	220	228	.....	.....	*6.3	15.0
6K6GT	Output	.....	.....	220	228	.....	.....	*6.3	15.0
6SK7	Mike Amp.	.....	.....	.....	.....	.....	.....	*6.3	POS.
5Y3G	Rectifier	.....	305 D.C.	.....	*325	.....	*325	.....	305 D.C.
6E5	Indicator	.....	.....	.....	225	.....	*6.3	.....	.....

*Measured with A.C. volt meter

VOLTAGE DROP ACROSS SPEAKER FIELD= 77 VOLTS

MAXIMUM POWER OUTPUT @ 130 V. Line=7.5 Watts

POWER CONSUMPTION @ 117.5 V. Line=Radio 80 Watts, Phono Motor 35 Watts--TOTAL=115 WATTS

Voltages may vary 10% of values given.