

Crosley 1240 Alignment Data

Alignment Procedure:—

All the circuits in the receiver are very accurately adjusted at the factory and normally should need no further adjustment. However, if it is definitely known that an adjustment is necessary the circuits can best be properly aligned with the use of a modulated signal generator.

1. Tuning I.F. Amplifier to 456 Kilocycles:—

- (a) Connect the output of the signal generator through a .00025 mica condenser to the antenna (Red) lead and the ground lead of the signal generator to chassis through a .1 mfd. tubular condenser. (DO NOT CONNECT THIS CHASSIS DIRECT TO GROUND.)
- (b) Turn loop switch at rear of set to Ant. position.
- (c) Turn the station selector so that the tuning condenser plates are completely in mesh and turn the volume control full on.
- (d) Set the signal generator to 456 kilocycles.
- (e) Short out the rear section (Osc.) of the gang condenser.

2. Broadcast Band Alignment:—

When aligning the broadcast band use a .00025 mica condenser for the dummy antenna.

- (a) Turn station selector until pointer is in position to receive a 1400 kilocycle signal.
- (b) Set signal generator to 1400 kilocycles.
- (c) Adjust 1400 K.C. Osc. trimmers on rear section of gang condenser to receive the 1400 K.C. signal.
- (d) Set loop switch to loop position.
- (e) Adjust 1400 K.C. R.F. trimmer (below chassis on Ant. coil) for maximum output.
- (f) Set loop switch to loop position.
- (g) Adjust 1400 K.C. R.F. loop trimmer (located on loop) for maximum output.

Note:—No adjustment is necessary at the low frequency end of the broadcast band, as this chassis uses an Osc. tracking section.

If the above procedure has been carefully followed the alignment of the receiver should be complete.

- (f) Adjust both trimmers located on top of the 2nd I.F. transformer for maximum output.
- (g) Adjust both trimmers located on top of the 1st I.F. transformer for maximum output.
- (h) Check operations (f) and (g) for more accurate adjustments.

ALWAYS USE THE LOWEST SIGNAL GENERATOR SETTING THAT WILL GIVE A REASONABLE OUTPUT.

Note:—If a ripple is noticed during the I. F. alignment reverse the line cord plug in electric outlet.

Remove temporary short from rear section (Osc.) of gang condenser.