



## BELMONT RADIO CORP.

ALIGNMENT PROCEDURE MODEL 590

The following equipment is required for aligning.

- Dummy antenna .1 mfd. and 200 mmf.

- Volume control—Maximum all adjustments.

- Connect ground lead of radio chassis to ground post of signal generator.

| SIGNAL GENERATOR |                   |               |                         |                                       |                                    |                        |                               |
|------------------|-------------------|---------------|-------------------------|---------------------------------------|------------------------------------|------------------------|-------------------------------|
| BAND             | Frequency Setting | Dummy Antenna | Connection to Radio     | Position of Iron Cores (Dial Setting) | Trimmers Adjusted (in Order Shown) | Trimmer Function       | Adjustment                    |
| 455 Kc. I. F.    | 455 Kc.           | .1 MFD.       | Connect to Grid of 1A7  | Rotor full open (Plates out of mesh)  | Trimmers on top of I. F. cans      | Output and input I. F. | maximum output (See Note "A") |
| BROAD CAST BAND  | 1600 Kc.          | .1 MFD.       | Connect to Grid of 1A7  | Rotor full open (Plates out of mesh)  | Trimmer on gang (See chassis view) | Oscillator             | maximum output (See Note "A") |
|                  | 1400 Kc.          | 200 MMF.      | Connect to Antenna Clip | Set dial at 1400 Kc.                  | Trimmer on gang (See chassis view) | Antenna                | maximum output (See Note "B") |

NOTE "A"—The loop antenna need not be connected to the radio when making these adjustments, but a 1. Meg. Resistor must be substituted across the loop clips. The ground of the signal generator is connected to the chassis and the other lead from the signal generator in series with .1 MFD. dummy to the grid of the 1A7GT tube.

NOTE "B"—This adjustment should be made with the ground lead of the signal generator connected to the external ground terminal. The other lead of the signal generator is connected in series with a 200 Mmf. dummy to the external antenna terminal.