



MODEL R-455

Alignment

*NOTE: The second I.F. transformer is triple tuned and designed to give a broad characteristic to facilitate automatic tuning. It must be aligned by tightening the RED trimmer as far as it will go, then adjust the other two trimmers for maximum output and lastly adjust the red one for maximum output.

No.	Dummy Antenna	Connection of Signal Generator to Receiver	Signal Generator Frequency	Receiver Dial Setting	Description of Adjustment
1.	.1 mfd condenser	Top stator connection of centre section of gang	456 kc	Any point that does not affect signal	Adjust for maximum output and then repeat the operation. *See note above
2.	Standard dummy	Antenna lead	600 kc	600 kc	Oscillator coil L ₆ Adjust core to bring in signal
3.	Standard dummy	Antenna lead	600 kc	600 kc	R.F. coil L ₃ ; Antenna coil L ₁ Adjust cores for maximum output

4.	Standard dummy	Antenna lead	1500 kc	1500 kc	On rear section of gang Adjust oscillator-circuit to bring in signal
5.	Standard dummy	Antenna lead	1500 kc	1500 kc	On centre and front sections of gang Adjust R.F. and antenna circuit for maximum output
6.	Standard dummy	Antenna lead	600 kc	600 kc	Repeat operations 2 and 3
7.	Standard dummy	Antenna lead	1500 kc	1500 kc	Repeat operations 4 and 5
8.	400 ohm carbon resistor	Antenna lead	9800 kc	9800 kc	Adjust 31 meter oscillator circuit to bring in signal
9.	400 ohm carbon resistor	Antenna lead	11800 kc	11800 kc	Adjust 25 meter oscillator circuit to bring in signal
10.	400 ohm carbon resistor	Antenna lead	11700 kc	11700 kc	Adjust RF circuit for maximum output while rocking gang
11.	400 ohm carbon resistor	Antenna lead	11900 kc	11900 kc	Adjust antenna circuit for maximum output while rocking gang