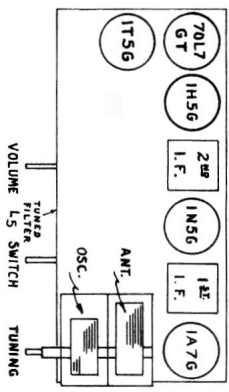


Portable Model  
R-4601  
Mantel Model  
R-4611

Portable Model R-4601  
Mantel Model R-4611

**ALIGNMENT:** A well shielded oscillator and suitable output meter are required. The output meter may be connected across the speaker voice coil terminals. Proceed with alignment as follows using the weakest possible signal that will give readable output and having the volume control full on. It is preferable to align the chassis on AC-DC because under these conditions the tuned filter (L5) adjustment will be proper for battery operation also.



No.	Dummy Antenna	Connection of Signal Generator to Receiver	Signal Generator Frequency	Receiver Dial Setting	Description of Adjustment
1.	.1 mfd condenser	1A7G grid cap	455 kc	High frequency end	Core on top of 2nd I.F. transformer
2.	.1 mfd condenser	1A7G grid cap	455 kc	High frequency end	1st I.F. trimmers
3.	.1 mfd condenser	1A7G grid cap	455 kc	High frequency end	Peak for maximum output while rocking the gang slightly back and forth
4.	.1 mfd condenser	1A7G grid cap	455 kc	High frequency end	Repeat operation 2

No.	Component	Value	Frequency	Adjustment
5.	.1 mfd condenser	1A7G grid cap	455 kc	Repeat operation 3
6.	.1 mfd condenser	1A7G grid cap	1550 kc	Adjust to bring in signal
7.	Tune in a weak broadcast station between 1450 and 1500 kc			Peak for maximum output while rocking the gang slightly back and forth

**NOTE:** This last operation should be performed with the chassis replaced in the case in its normal operating location.  
**NOTE 2:** When replacing the chassis make sure that the speaker leads are kept clear of the speaker cone but at the same time well toward the front corner of the dial scale, the red pointer line on the pointer disc should be set just above the horizontal position when the gang condenser is fully meshed.