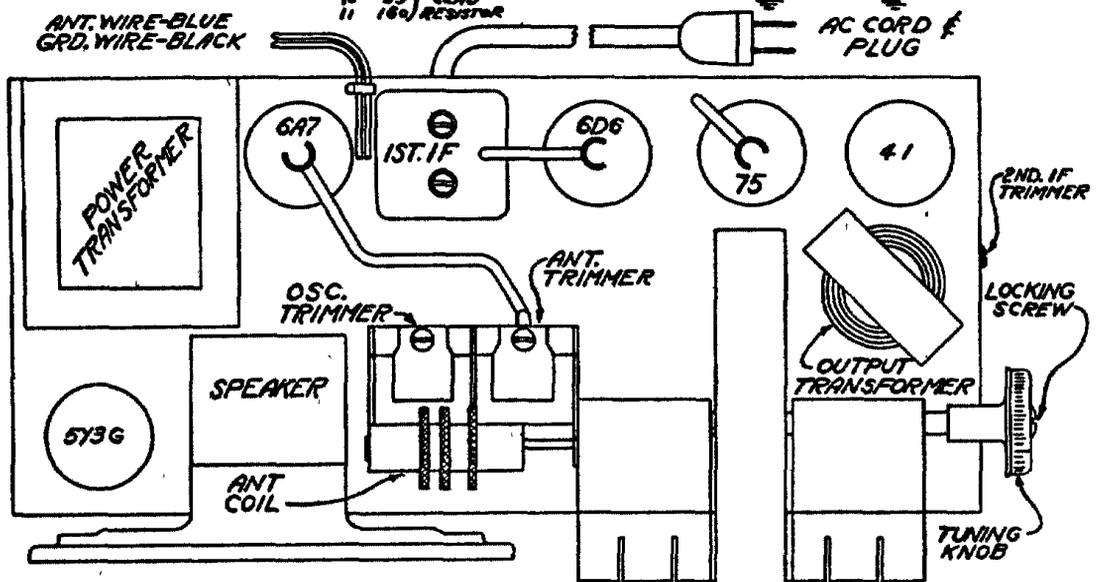


IF = 456 KC

CAPACITORS			RESISTORS		
NO.	MFD.	VOLTS-SPL.	NO.	OHMS	WATTS
1	.05	200	1	15000	1/4
2	.00025	MICA	2	50000	1/4
3	.01	200	3	15000	1/4
4	.00025	MICA	4	500000	1/4
5	.00025	MICA	5	1000000	1/4
6	.01	200	6	200000	1/4
7	.005	400	7	50000	1/4
8	5-6	500	8	150 METAL	
			9	50 CLAD	
			10	100 RESISTOR	
			11	100 RESISTOR	

**PARTS LIST**

- RESISTORS**
- P1220 200,000 Ohm 1/4 Watt
  - P417 50,000 Ohm 1/4 Watt
  - P258 15,000 Ohm 1/4 Watt
  - P137 500,000 Ohm 1/4 Watt
  - P1114 2,000,000 Ohm 1/4 Watt
  - P2438 Candohm Resistor
- CONDENSERS**
- P164 .01 Mfd. 400 Volt
  - P1322 .005 Mfd. 600 Volt
  - P334 .05 Mfd. 400 Volt
  - P148 .05 Mfd. 200 Volt
- MICA CONDENSERS**
- P817 .00025
- ELECTROLYTIC CONDENSERS**
- P2397 Dual 8 Mfd. 300 W.V.
- ADJUSTABLE CONDENSERS**
- P2411 Gang Condenser
- TRANSFORMERS AND COILS**
- P2395 110 V. Power Transformer
  - P2396 125 V. Power Transformer
  - P2391 Output Transformer
  - P1506 1st I.F. Transformer
  - P2394 2nd I.F. Transformer
  - P2412 Oscillator Coil
  - P2393 Antenna Coil



**CORRECT ALIGNMENT PROCEDURE**

The intermediate frequency (I.F.) stage should be aligned properly as the first step. After the I.F. transformers have been properly adjusted and peaked, the Broadcast Band alignment should be the next procedure.

**I.F. ALIGNMENT**

Adjust the test oscillator to 456 KC and connect the output to the grid of the first detector tube (6A7) through a .05 or .1 mfd. condenser. The ground on the test oscillator can be connected to the chassis ground. Align all three I.F. trimmers to peak or maximum reading on the output meter.

**BROADCAST BAND ALIGNMENT**

Adjust the oscillator to 1730 KC and connect the output to the antenna lead (Blue) through a .0002 mfd. mica condenser. Set the gang condenser to minimum capacity and adjust the gang condenser trimmer (oscillator) to receive this signal. After this has been carefully done, the next step is to set the generator to 1400 KC and after tuning in the signal adjust the antenna trimmer to peak. This is all that is necessary for the alignment unless the plates of the gang condenser have been bent out of shape. In case of bent plates, set the test oscillator and the receiver to 600 KC and bend the plates into the position for maximum output.

**PROCEDURE FOR SETTING UP AND OPERATING AUTOMATIC PUSH BUTTONS**

Select four strong local stations tuned in regularly. Now loosen Locking Screw (see chassis layout) several turns with a coin or a screw driver and press in any one of the four push buttons. Holding the button down, tune in any one of four selected stations by rotating the tuning knob (side knob) slowly back and forth until the signal is cleared.

Release the push button and press in another button and hold down, tuning in another favorite station with tuning knob. Follow the same procedure for the remaining stations. Now hold tuning knob (side knob) securely and with coin or screw driver, tighten locking screw. This screw holds all stations in adjustment.

In order to change any station already set up, to another, hold tuning knob securely, loosen locking screw and select the new station as explained above. Tear the correct station call letter tabs from the set of sheets supplied and push them into rectangular windows above each push button.

The automatic push button dial is now set up for quick tuning.