

I-F Alignment

R-F Alignment

- Rotate the variable condenser to position. the minimum
- Feed 455 kc to the grid (pin 6) of the 1R5 tube through a 0.01 mfd. condenser.
- Adjust the three if trimmer screws (C6, C7, C12) for maximum response. (Clip the test signal lead to the statos of the larger capacity section of the variable condenser.)

455 KC

33280

Variable condenser

Variable condenser, or

C17 Trimmers, part of C1, C2 0.02 mfd., 100 V. roll-type cond 0.47 meg., ½ watt resistor 4.7 meg., ¼ watt resistor 0.0001 mfd., ceramic condenser 0.001 mfd., 100 V. flat roll-type 0.003 mfd., 150 V 8 mfd., 100 V. dry electrolytic 0.0002 mfd, ceramic condenser 0.0002 mfd. mica condenser, or Condenser, part of T3 100,000 ohms, 74 matt resistor Trimmers, part of T2 Volume control l meg., loop assembly 3.3 meg., 1/4 watt resistor 1/4 watt resistor 1/4 watt resistor roll-type ment is noted.

÷ Connect the test oscillator to a coil composed of three or four turns of wire wound in a circle approximately 12 inches in diameter. This coil should be placed parallel to and in line with the receiver loop at a distance of approximately 15 to 20 inches

Radiate a signal at 1610 kc, rotate the variable condenser to minimum capacity, and adjust the oscillator trimmer (C4), on the smaller section of the variable condenser, for maximum capacity. mum response.

Radiate a signal at 1500 kc, tune in the 1500 kc signal, and adjust the antenna trimmer (C3), on the larger section of the variable condenser, for maximum response

Return to 1610 kc and check alignment. If readjustment is necessary, repeat steps (2) to (4) until no further improve-Radiate a signal at 600 kc, set the dial indicator to 60, adjust the oscillator coil core trimmer while rocking variable condenser for maximum response. F 2

Location of Coils and Trimmer Adjustments

through holes in the top of the can transformer (T4). The first i-f transformer (T2) is located next to the output asformer (T4). The trimmers (C6, C7) are accessible

extends from the end of the can. 1T4 and 1S5 tubes. The second i-f transformer (T3) is located The single trimming core screw between (C12) #

oscillator coil. smaller variable condenser section. The 600 kc oscillator core former. The trimmer for the oscillator (C4) is located on the adjustment is the brass screw protruding from the end of the The oscillator coil (T1) is located next to the first i-f trans

condenser. the loop (C3) is located on The loop antenna acts as the antenna coil. The trimmer for the larger section of the variable

1947-46 TERY PORTABLE MODEL 508

	3 S 4	1S5	1T4	IRG	HAUT	
	1.5				1	
-	65		67.5	67.5	2	
STATE OF STREET, SQUARE, SQUAR	*-7.0	*-0.35	45	46	3	
	67.5	*16.5		*-7.0	4	PIN NUMBER
THE RESIDENCE AND PROPERTY OF PERSONS ASSESSMENT OF PERSONS ASSESS		* 39			5	R
The Particular of Concession, Spinster, or other Printers or other Particular or other	65	* -0.3	*-0.3	\$-0.3	6	
STREET, SQUARE, SQUARE	1.5	1.5	1.5	1.5	7	

Some units contain R2 resistors varying in value from 8200 to 22,000 ohms.

Ou put transformer

Second i-f transformer

First i-f transformer

Oscillator coil

10 meg.,

1/4 watt resistor

R7

data sheet

"B" BATTERY-

BATTERIES MUST BE LOCATED EXACTLY AS ILLUSTRATED

"A" BATTERY

METAL TIP ON THIS END OF BATTERY.