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|------|-------------------------------------|-------|-------------------------------|------|---------------------------------|
| C-1 | Antenna section tuning condenser | C-15 | 47 Mmf. mica capacitor | R-3 | 0.5 megohm volume control |
| C-2 | Oscillator section tuning condenser | C-16 | 5-40 Mmf. "C" antenna trimmer | R-4 | 15 megohms carbon resistor |
| C-4 | .05 Mfd. paper capacitor | C-18a | 50-135 Mmf. I.F. trimmer | R-5 | 470,000 ohms carbon resistor |
| C-5 | .2 Mfd. paper capacitor | C-18b | 50-135 Mmf. I.F. trimmer | R-6 | 1.0 megohms carbon resistor |
| C-6 | .005 Mfd. paper capacitor | C-19a | 50-135 Mmf. I.F. trimmer | R-7 | 3300 ohms carbon resistor |
| C-7 | .005 Mfd. paper capacitor | C-19b | 50-135 Mmf. I.F. trimmer | R-8 | 39,000 ohms carbon resistor |
| C-8 | .01 Mfd. paper capacitor | L-1 | Beam-a-Scope | R-9 | 470,000 ohms carbon resistor |
| C-9a | 50 Mfd., 150 V. dry electrolytic | L-2 | Oscillator coil | R-10 | 150 ohms carbon resistor |
| C-9b | 30 Mfd., 150 V. dry electrolytic | L-3 | 1st I.F. transformer | R-11 | 1000 ohms, 1 W. carbon resistor |
| C-10 | .05 Mfd. paper capacitor | L-4 | 2nd I.F. transformer | R-12 | 4700 ohms carbon resistor |
| C-11 | 300-675 Mmf. padder | L-6 | "C" band antenna coil | R-14 | Ballast resistor BL-42-B |
| C-12 | .03 Mfd. paper capacitor | P-1 | Dial lamp, MAZDA No. 44 | T-1 | Output transformer |
| C-13 | 470 Mmf. mica capacitor | R-1 | 33,000 ohms carbon resistor | | |
| C-14 | 220 Mmf. mica capacitor | R-2 | 2.2 megohms carbon resistor | | |

General Electric Model HJ-612

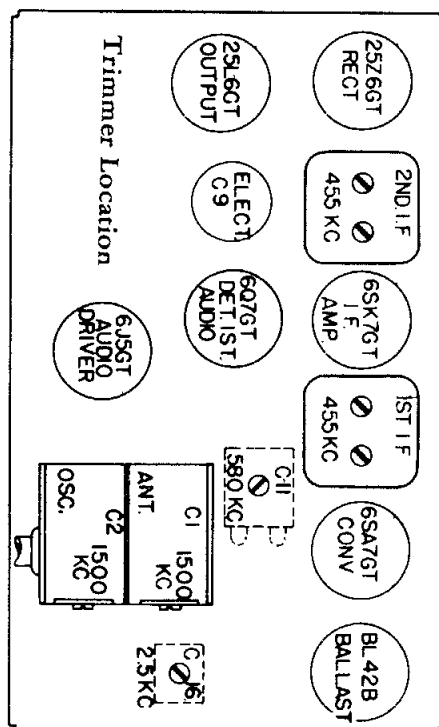
I.F. Alignment

Connect an output meter across the voice coil. Rotate the volume control to maximum. Completely close the gang condenser plates and set the dial pointer to the first dial mark at the low end of the scale. Throw the band switch to "BC" (up).

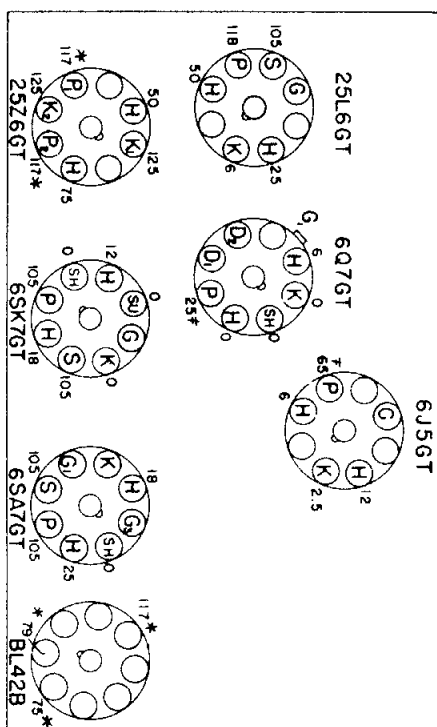
Set test oscillator to .455 KC and apply signal to the control grid of the 6SA7 tube through a .05 mfd. capacitor. Do not remove the 6SA7 grid lead. Keep the test oscillator output as low as a readable meter reading will permit. Adjust all I.F. trimmers for maximum meter reading.

R.F. Alignment

Apply a 1500 KC signal either through a standard I.R.E. dummy to the antenna terminal or through an additional loop connected to the signal generator output which can be magnetically coupled to the receiver Beam-a-Scope. When using an I.R.E. dummy antenna for R.F. alignment do not connect a ground lead between the signal generator and the receiver. Align (C-2) at 1500 KC and peak (C-1) for maximum output. Change signal to 580 KC and tune receiver to signal. Peak (C-11) on the 580 KC signal by rocking the gang condenser. Retrim at 1500 KC. Throw the band switch to "SW" band. Peak (C-16) on 2500 KC.



FRONT OF CHASSIS



BOTTOM VIEW OF CHASSIS

VOLTAGES MEASURED BETWEEN SOCKET TERMINALS AND MINUS B
* MEASURED ON 250 VOLT SCALE OF 1000 OHMS PER VOLT METER
* VOLTS AC. GANG CLOSED MAX VOLUME
LINE VOLTS - 117 AC