



I.F. ALIGNMENT

1. Connect the signal generator to the control grid of the Osc.-Mod. tube (6A7) through a .1 MF condenser, having first removed the grid cap from the top of the tube. Connect a 500,000 ohm leak resistor from the grid of the tube to the MF condenser just removed from the tube. (See Fig. 1.) Turn the condenser gang completely out of mesh. Connect an output meter across speaker voice coil.
2. Set the signal generator at 262 K.C. and carefully adjust the single trimmer in the Diode trimmer in the I.F. coil can to the point showing the highest reading on the output meter.
3. Adjust the two trimmers in the I.F. coil can to the point showing the highest output reading.
4. Repeat the I.F. and Diode adjustment several times for maximum accuracy.

Figure 2. 9-29 TRIMMERS

SETTING THE RANGE

1. Connect the signal generator to the control grid of the R.F. tube (78) using the same .1 MF condenser and the same 500,000 ohm leak resistor.
2. Set the signal generator at 1560 K.C. and turn the condenser gang completely out of mesh and just the trimmer on the oscillator section of the condenser gang to the point showing the highest output reading.
3. Set the signal generator at 535 K.C. Turn the condenser gang completely in mesh and adjust the 600 K.C. trimmer in the Oscillator coil can for the highest output reading.

NOTE: The adjustments above set the range so the receiver will track with the calibrations in the control head.

Model 9-29

R.F. AND ANTENNA ALIGNMENT

1. Connect the signal generator to the antenna lead through a 40 Mf condenser and to chassis ground. Set the signal generator at 600 K.C. and turn the condenser gang until the signal is heard. Adjust the trimmer on the antenna coil can for the maximum output reading.
2. Set the signal generator at 1400 K.C. Turn the condenser gang until the signal is heard. Adjust the trimmer on the antenna section of the condenser gang for maximum output reading.
3. Adjust the trimmer on the R.F. section of the condenser gang for maximum output reading.
4. Recheck steps 1, 2, and 3, for accuracy.