



# Pilot

## RADIO CORPORATION

### MODEL T-521

### A.C.-D.C. Receiver

## ALIGNMENT NOTES

See Alignment chart on next page.

The following notes are intended for the use of an expert radio technician:

Alignment should be attempted only if the proper meter and signal generator are at your disposal. Insulated alignment tools are necessary. Output meters should include A) a low range AC meter, B) a 0-20 volt DC vacuum tube voltmeter.

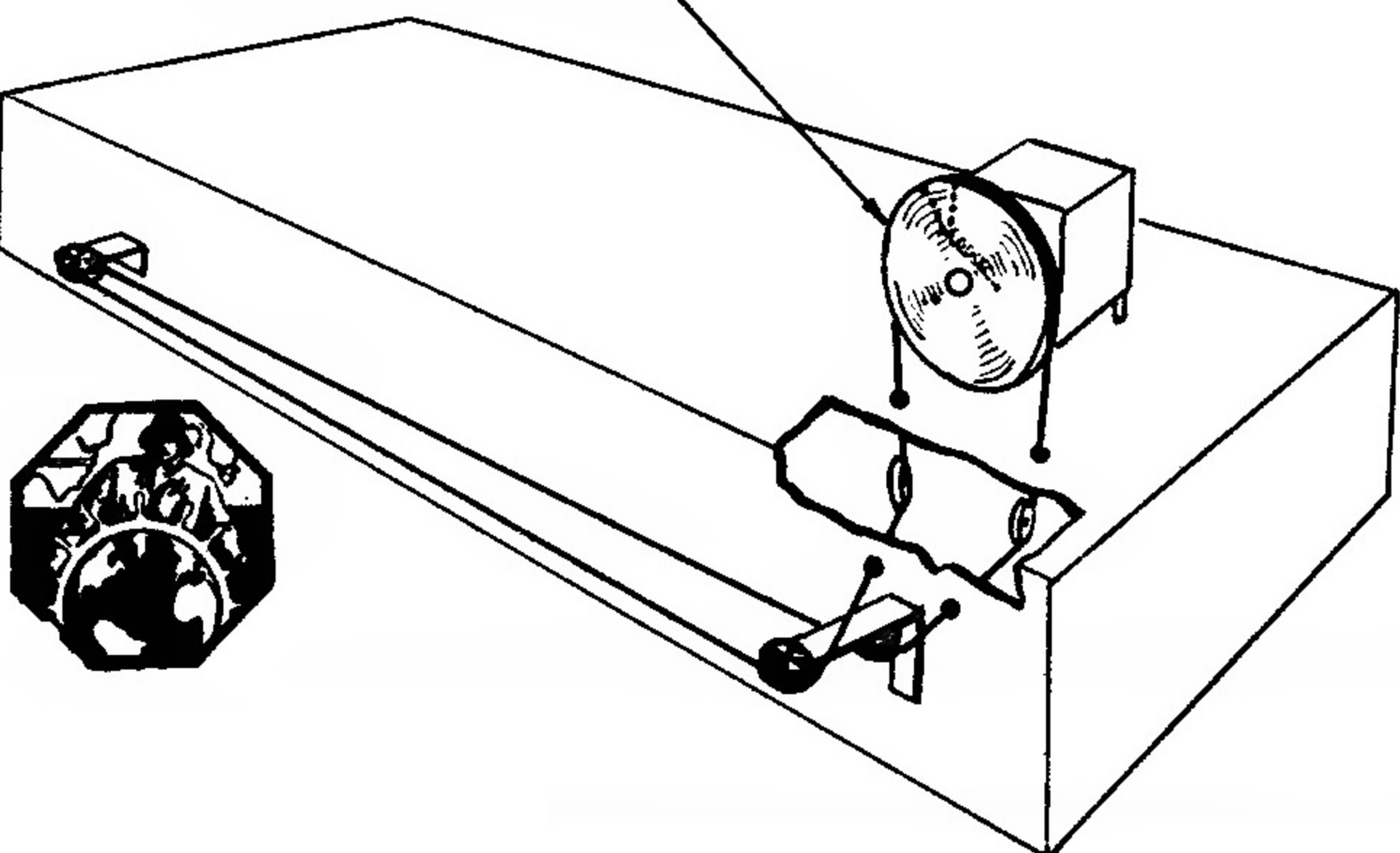
The signal generator must cover the frequencies of 455 kc, 600 kc, 1500 kc, 10.7 mc, 90 mc and 106 mc.

During alignment the line voltage feeding the receiver power-supply should be kept at approximately 117 volts.

The receiver should be allowed to warm up for at least 30 minutes before making any adjustments.

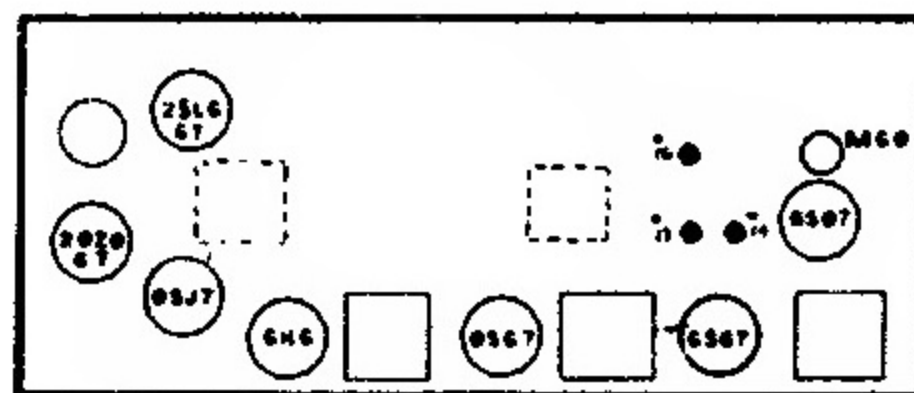
The locations of adjustment screws are indicated clearly on the schematic diagram. Alignment adjustments should be made only in the sequence given in the chart.

REAR SECTION OF PULLEY

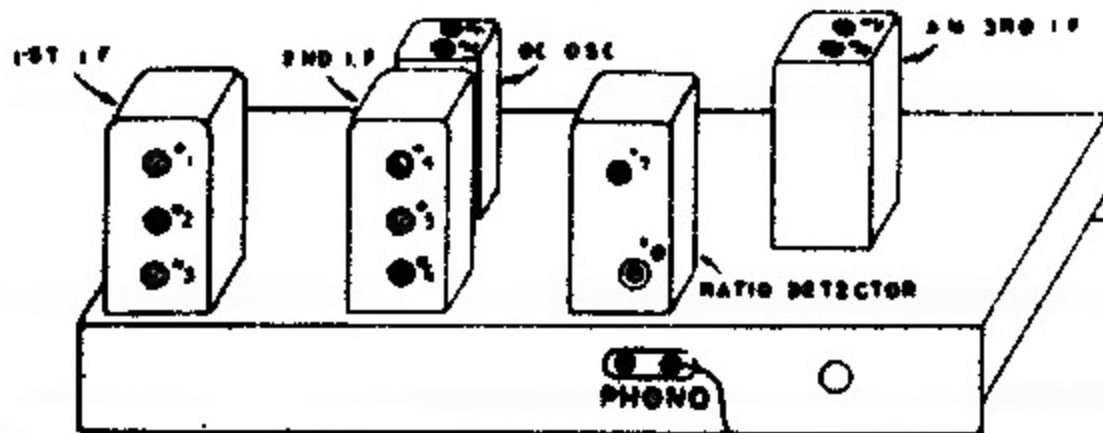


- |                                     |                                    |
|-------------------------------------|------------------------------------|
| 1-1st IF 455 Kc                     | 9- AM 3rd IF 455 Kc, Primary       |
| 2-1st IF 10.7mc, Primary            | 10- AM 3rd IF 455 Kc, Secondary    |
| 3-1st IF 10.7mc, Secondary          | 11- BC Osc Pedder                  |
| 4-2nd IF 455 Kc                     | 12- BC Osc Trimmer                 |
| 5-2nd IF 10.7mc, Primary            | 13- Ant BC Trimmer (on rear cover) |
| 6-2nd IF 10.7mc, Secondary          | 14- FM Osc Pedder                  |
| 7- Ratio Detector 10.7mc, Primary   | 15- FM Osc. Trimmer                |
| 8- Ratio Detector 10.7mc, Secondary | 16- FM R.F. Trimmer                |

### ALIGNMENT ADJUSTMENTS



BOTTOM VIEW



TOP-REAR VIEW

FRONT SECTION

