

### AM ALIGNMENT CHART

| STEP | SIGNAL GENERATOR CONNECTION TO RADIO  | DIAL SETTING | RADIO        |   |
|------|---|--------------|--------------|---|
|      |   |              | DIAL SETTING | SPECIAL INSTRUCTIONS  |
| 1    | Ground lead to B <sub>1</sub> test point through .1-mf. condenser to terminal 1 of TB400. | 455 kc.      | 540 kc.      | Adjust each trimmer, in order given, for maximum output. Do not repeat adjustments. |
| 2    | Radiating loop (see note below).  | 1600 kc.     | 1600 kc.     | Adjust for maximum output.  |
| 3    | Same as step 2.   | 1500 kc.     | 1500 kc.     | Adjust for maximum output.  |

RADIATING LOOP: Make up a six-to-eight-inch diameter loop, using insulated wire; connect to the signal generator leads and place near the radio loop.

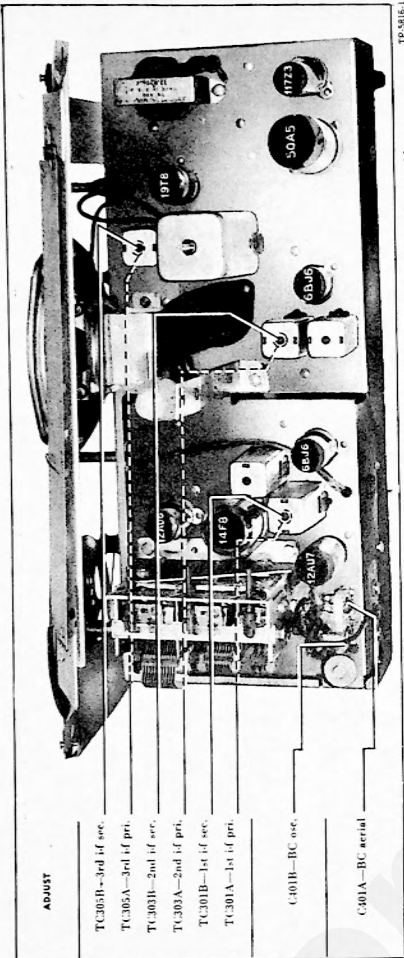


Figure 3. Top View, Showing AM Trimmer Locations

### FM ALIGNMENT CHART

| STEP | SIGNAL GENERATOR CONNECTION TO RADIO                               | DIAL SETTING | RADIO        |  |
|------|--|--------------|--------------|--|
|      |  |              | DIAL SETTING | SPECIAL INSTRUCTIONS   |
| 1    | Through .1-mf. condenser to pin 1 of TB400, 1st of amplifier.      | 9.1 mc.      | 88 mc.       | Adjust for maximum reading on alignment indicator. Attenuate signal generator to maintain reading of 100. No further improvement is noted. After this step, do not disturb any of these trimmers except as directed in step 3. |
| 2    | Through .1-mf. condenser to pin 8 of 14FG.                         | 9.1 mc.      | 88 mc.       | Adjust for maximum reading on alignment indicator, as per adjustment. Do not disturb other trimmers after this step.   |
| 3    | Same as step 2.  | 9.1 mc.      | 88 mc.       | Adjust for minimum reading on output meter. This adjustment is critical; repeat to make sure it is correct.  |
| 4    | To terminal 1 of J100.   | 105 mc.      | 105 mc.      | Adjust for maximum reading on alignment indicator.   |
| 5    | Same as step 4.  | 105 mc.      | 105 mc.      | Same as step 4. Rock tuning control.   |
| 6    | Same as step 4.  | 105 mc.      | 105 mc.      | Same as step 4.  |
| 7    | Same as step 4.  | 92 mc.       | 92 mc.       | Same as step 4. See note on page 10.   |
| 8    | Same as step 4.  | 92 mc.       | 92 mc.       | Same as step 4.  |
| 9    | Same as step 4.  | 92 mc.       | 92 mc.       | Same as step 4.  |
| 10   | Repeat steps 4 through 9 until no further improvement is obtained. |              |              |  |

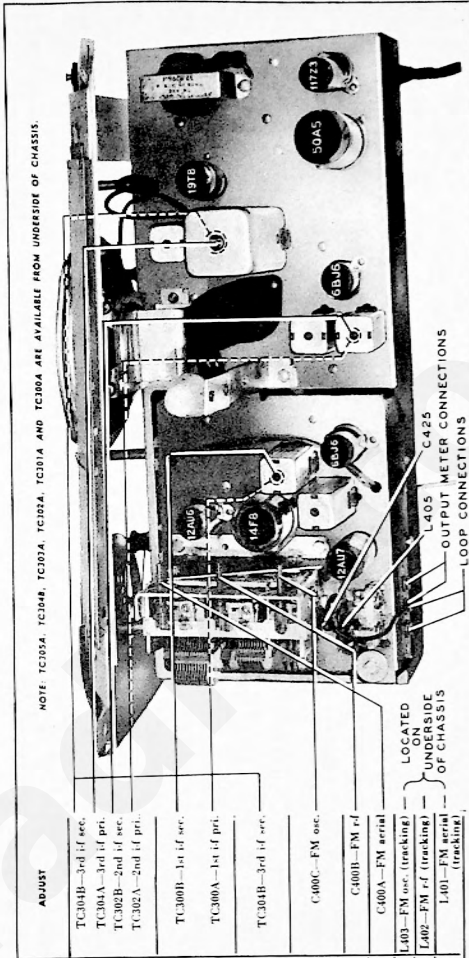


Figure 4. Top View, Showing FM Trimmer Locations