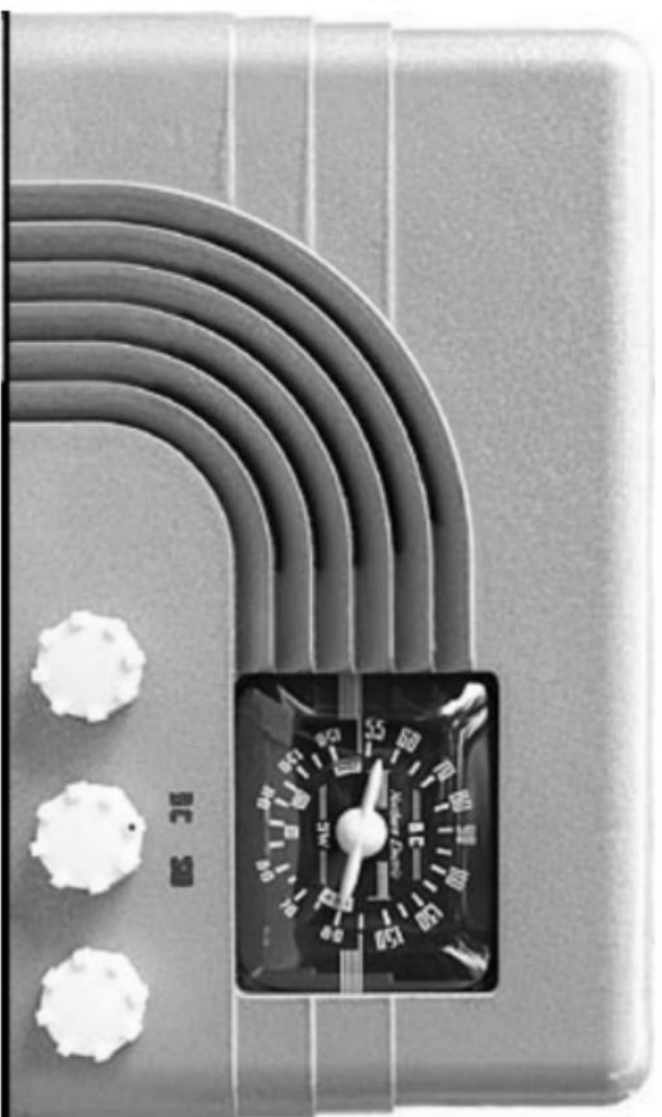


NOTES:

- 1 - ALL VOLTAGES ARE READ FROM COMMON NEGATIVE LEAD & ABOVE READINGS ARE FOR 117 V. INPUT.
- 2 - WIRING SIDE OF TUBES SHOWN.
- 3 - WAVE CHANGE SWITCH SHOWN IN B.C. POSITION.

M - 1,000,000 OHMS
 K - 1,000 OHMS
 ALL CAPACITORS MFD
 UNLESS MARKED PF
 ALL RESISTORS 1/2 WATT
 UNLESS OTHERWISE MARKED

Northern Electric 5002



REALIGNING DETAILS

Alignment procedure should be carried out in the following order :

| Alignment Frequency | Dummy Antenna | Receiver Connection | Items to be Adjusted for Maximum Output and their Location |
|---------------------|------------------|---------------------|---|
| 1. I.F. 455 kc/s | .1 mfd. (paper) | Pin #8 12SA7 | Trimmers 11A, 11B, 12A and 12B on I.F. Cans, items 11 and 12. Gang open. |
| (2nd I-F 455 kc/s) | .1 mfd. (paper) | Pin #4 12SK7 | A test used only in trouble-shooting. (Gang open). |
| 2. B.C. 1400 kc/s | 100 mmf. (mica) | Antenna lug | (A) Oscillator trimmer, item 43. Free end of B.C. oscillator coil under chassis. (B) Antenna trimmer, item 25, top of rear coil on chassis. Gang rocked during adjustment. |
| 3. B.C. 600 kc/s | 100 mmf. (mica) | Antenna lug | (A) Oscillator lag, item 42, fixed end of B.C. oscillator coil. Gang rocked during adjustment. (B) Recheck at 1400 kc/s. |
| 4. B.C. 1000 kc/s | 100 mmf. (mica) | Antenna lug | A test frequency for sensitivity and dial error. |
| 5. S.W. 15 mc/s | 400 ohm (carbon) | Antenna lug | (A) Oscillator trimmer, item 40, free end of S.W. oscillator coil under chassis. (B) Antenna trimmer, item 5, top of front coil on chassis. Gang rocked during adjustment. |
| 6. S.W. 6 mc/s | 400 ohm (carbon) | Antenna lug | (A) Oscillator iron core, item 41A. (B) Antenna iron core, item 3A. Gang rocked during adjustment. (C) Recheck at 15 mc/s. |
| 7. S.W. 10 mc/s | 400 ohm (carbon) | Antenna lug | A test frequency for sensitivity and dial error. |