



## REMOVAL OF CLOCK

- Remove (1) Tuning and Volume Control "Push On" type knobs.
- (2) The clock "Push ON" type knobs.
- (3) Chassis retaining screws from bottom and two screws fastening back to cabinet.
- (4) Chassis from cabinet and clock connection plug from chassis socket.
- (5) Plastic clock cover and dial panel from front of cabinet by pressing on each side of it, about half way down and carefully pull forward. If great care is not exercised cover may be broken.
- (6) Remove 4 clock retaining nuts inside cabinet and remove clock from front.

**NOTE:** Should it be necessary to ship the clock separately at any time make certain that it is properly packed to withstand transportation and so that clockhands, time set shaft, etc., are not subject to strain.

| <b>ALIGNMENT AND SENSITIVITY</b>          |              |              |                   |             |  |                                      |
|---|--------------|--------------|-------------------|-------------|--|--------------------------------------|
| SIGNAL GENERATOR MODULATED 30% AT 400 CY. |              |              |                   |             |  |                                      |
| STEP                                      | APPLY SIGNAL |              | THRU SERIES DUMMY | SET GANG AT | ADJUST FOR MAX. OUTPUT                       | NOMINAL SENSITIVITY FOR 50 MV OUTPUT |
|   | KC           | TO           |                   |             |  |                                      |
| 1   | 455          | 12BAG #1 PIN | .05               | -           | 2 <sup>ND</sup> I.F.                         | 1200 $\mu$ V.                        |
| 2   | 455          | 12BEC #7 PIN | .05               | MIN. CAP.   | 1 <sup>ST</sup> I.F.<br>2 <sup>ND</sup> I.F. | 80 $\mu$ V.                          |
| 3   | 1460         | ANT.         | *                 | 1460 KC     | OSC. TRIM.<br>ANT. TRIM.                     | 290 $\mu$ V./M                       |
| 4   | 600          | ANT.         | *                 | 600 KC      | OSC. SLUG                                    | 460 $\mu$ V./M                       |
| 5   | 535          | ANT.         | *                 | MAX. CAP.   | CHECK ONLY                                   | -                                    |
| 6   | 1680         | ANT.         | *                 | MIN. CAP.   | CHECK ONLY                                   | -                                    |

\* FASHION LOOP OF SEVERAL TURNS OF WIRE AND RADIATE SIGNAL INTO LOOP OF RECEIVER ADJUST FOR MAX. OUTPUT.

### COMPONENT VALUES

RESISTORS: HALF WATT, UNLESS OTHERWISE NOTED.  
20% TOLERANCE, UNLESS OTHERWISE NOTED.  
K = 1000 OHMS  
M = 1,000,000 OHMS

CONDENSERS: T-TUBULAR, FOLLOWED BY CAP. IN MFD AND D.C. W.V.  
E = ELECTROLYTIC, FOLLOWED BY CAP. IN MFD & D.C. W.V.  
C = CERAMIC, FOLLOWED BY CAP. IN MMFD & TOL. IF CRITICAL  
M = MICA, FOLLOWED BY CAP. IN MMFD & TOL. IF CRITICAL

