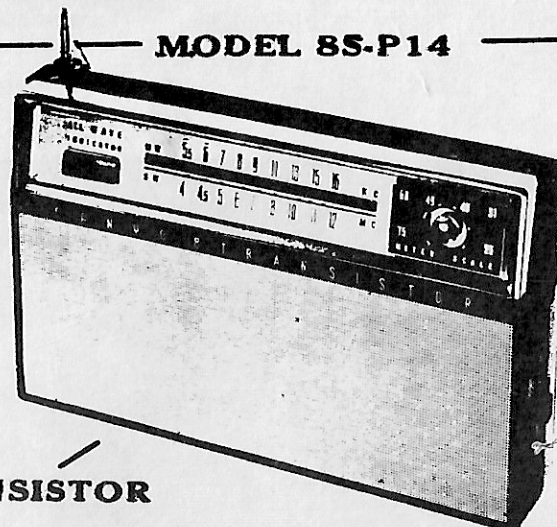


**Autochat**

**MODEL 8S-P14**



**8 TRANSISTOR**

**2 BAND DE LUXE -  
PORTABLE RADIO**

**SPECIFICATIONS**

**TRANSISTORS**

2SA92 Oscillator  
2SA93 Mixer + R.F. (In module RM 1006)  
2SA202 1st I.F. (" " " 1012)  
2SA203 2nd I.F. (" " " 1013)  
2SB185 1st A.F. amp  
2SB186 2nd A.F. amp  
2SB187 P.P. output  
2SB187 P.P. output

**INTERMEDIATE FREQUENCY**

450 kc/s

**LOUD SPEAKER**

2½" 7 ohms

**BATTERIES**

4 x 1½ v Cells type 915

**POWER OUTPUT**

230 mW maximum

**DETECTOR DIODE**

IN MODULE RM 1013

**FREQUENCY RANGE**

B.C. 530 - 1630 kc/s  
S.W.1 3.85 12.1 mc/s

**ALIGNMENT PROCEDURE I.F. AND R.F.**

**GENERAL**

Allow test equipment to warm up for fifteen minutes before starting alignment procedure.

**OUTPUT METER**

Connect output meter (a 1000 ohm per volt, A.C. voltmeter or oscilloscope) across voice coil terminals.

**SIGNAL GENERATOR**

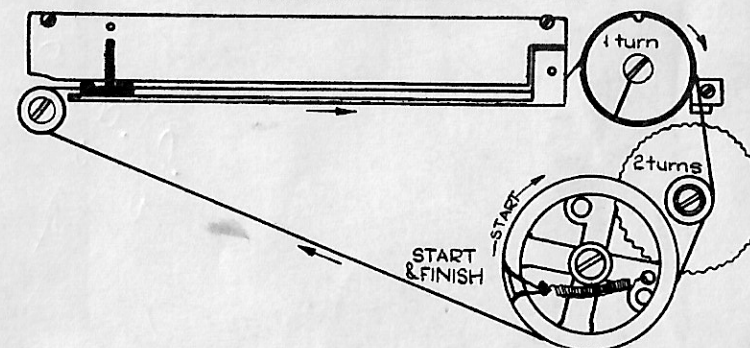
Connect to loop aerial i.e., approximately six turns of insulated copper wire. Diameter of loop 6". **NOTE:** Keep generator output as low as possible to avoid A.G.C.

**RECEIVER CONTROLS**

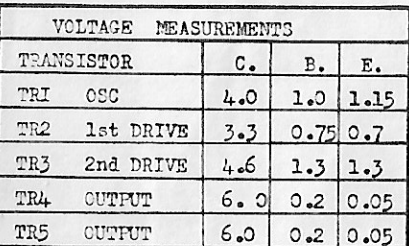
Set the volume control to maximum. Set tuning control as indicated in alignment chart. Set fine tuning knob to half maximum capacity.

| STEP | LOOP AERIAL POSITION                         | GEN. OUTPUT                                     | TUNE R'C'V'B          | ADJUST FOR MAX. OUTPUT |
|------|----------------------------------------------|-------------------------------------------------|-----------------------|------------------------|
| 1    | Approximately 18" from set thruout alignment | 450 KC/S                                        | C3 + C10 fully meshed | RM 1006, 1012, 1013    |
| 2    |                                              | REPEAT UNTIL MAX. OUTPUT OBTAINED.              |                       |                        |
| 3    |                                              | 530 KC/S                                        | As Step 1.            | L.4                    |
| 4    |                                              | 1600 KC/S                                       | 1600 KC/S             | C.12                   |
| 5    |                                              | REPEAT UNTIL MAX. OUTPUT OBTAINED STEPS 3 & 4   |                       |                        |
| 6    |                                              | 600 KC/S                                        | 600 KC/S              | L.1                    |
| 7    |                                              | 1400 KC/S                                       | 1400 KC/S             | C.1                    |
| 8    |                                              | REPEAT UNTIL MAX. OUTPUT OBTAINED STEPS 6 & 7   |                       |                        |
| 9    | SET WAVE BAND SELECTOR TO S.W.               |                                                 |                       |                        |
| 10   |                                              | 3.8 MC/S                                        | As Step 1.            | L.5                    |
| 11   |                                              | 11 MC/S                                         | 11 MC/S               | C.15                   |
| 12   |                                              | REPEAT UNTIL MAX. OUTPUT OBTAINED STEPS 10 & 11 |                       |                        |
| 13   |                                              | 4.5 MC/S                                        | 4.5 MC/S              | L.3                    |
| 14   |                                              | 11 MC/S                                         | 11 MC/S               | C.2                    |
| 15   |                                              | REPEAT UNTIL MAX. OUTPUT OBTAINED STEPS 13 & 14 |                       |                        |

**DIAL CORD DIAGRAM.**

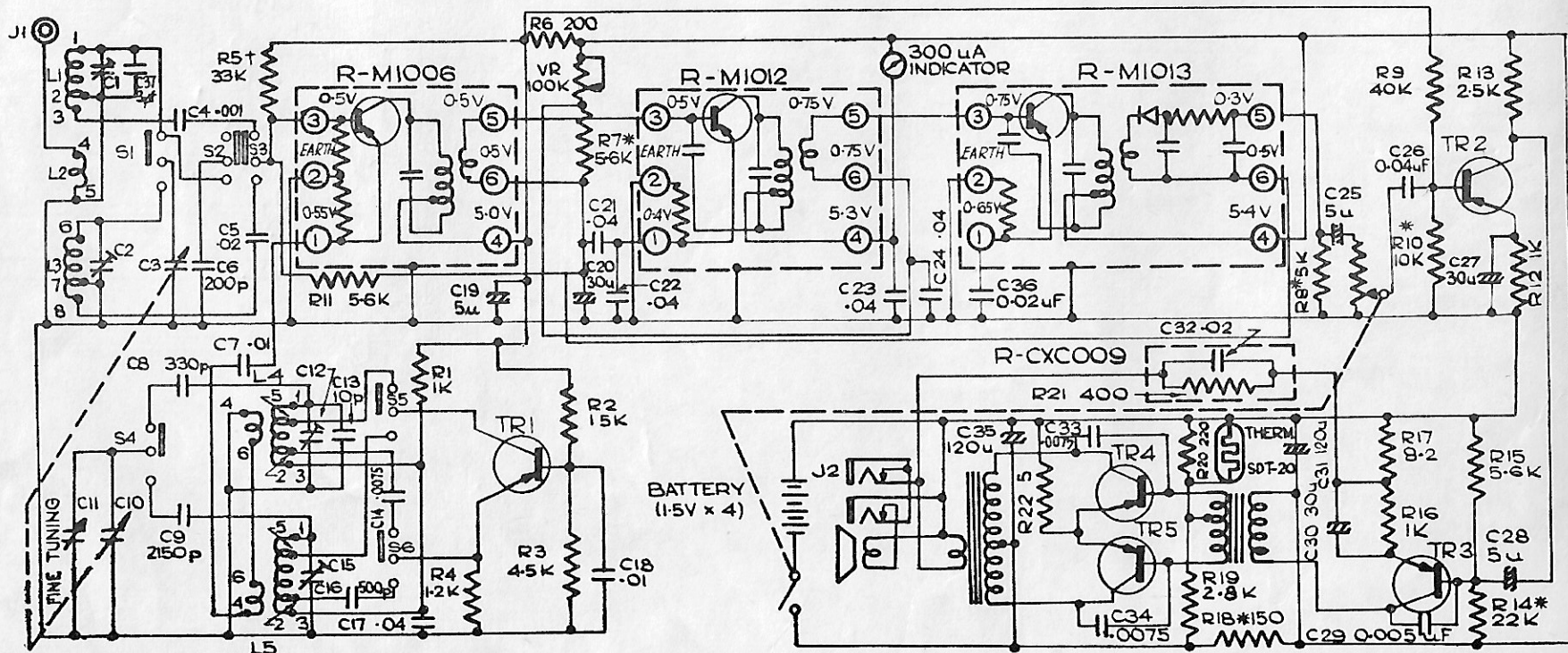
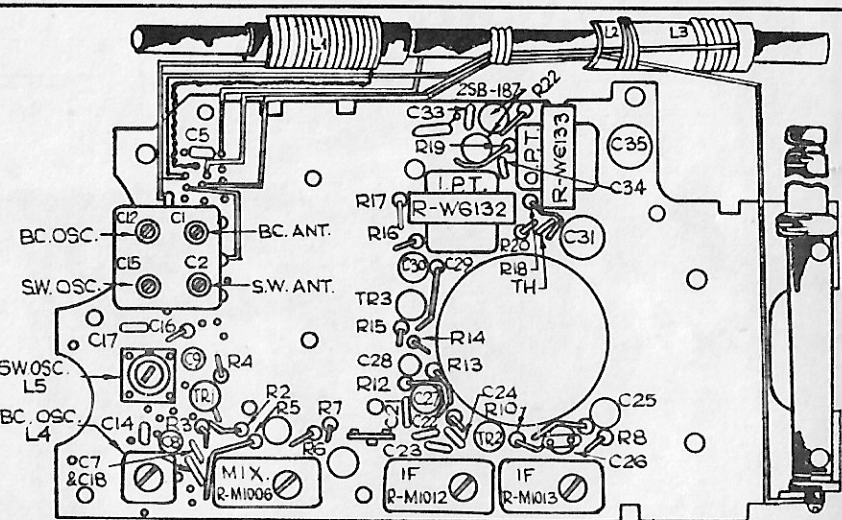


To renew dial cord; start with a loop having a circumference of 19½". Attach spring to cord adjacent to knot and secure spring to condenser drum. Proceed to string dial cord as per diagram. **NOTE** with dial scale pointer aligned with mark on dial back, adjust metre pointer to read 75 meters on meter scale.



### INDICATOR ADJUSTMENT

To set Battery/Tuning Indicator. Connect receiver to 3V battery, and adjust VR100K until pointer is in centre of BLACK area of scale.



NOTE : RESISTORS MARKED :- + 5% TOLERANCE , \* 20% TOLERANCE.  
REMAINDER - 10% TOLERANCE.