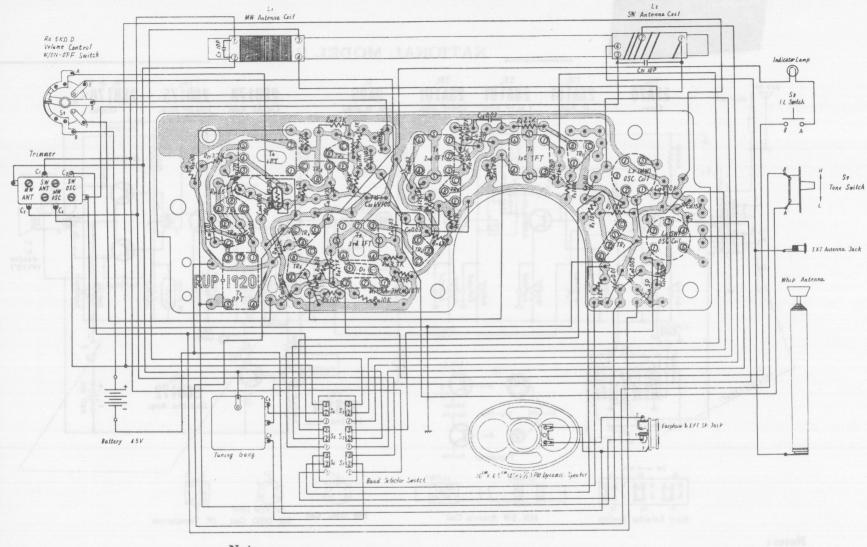


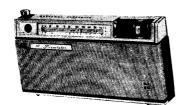
## Notes:

- 1. All resistor values in ohms  $(K = 1000\Omega)$ .
- 2. All capacitor values in micro farads  $(P = \mu \mu F)$ .
- 3.  $S_1 \sim S_6$ : Band selector switch in "MW" position.
- 4. S<sub>7</sub>: Tone switch in "HIGH" position.
- 5.  $S_8$ : Indicator lamp switch in "OFF" position.
- 6.  $S_9$ : Power source switch in "OFF" position.

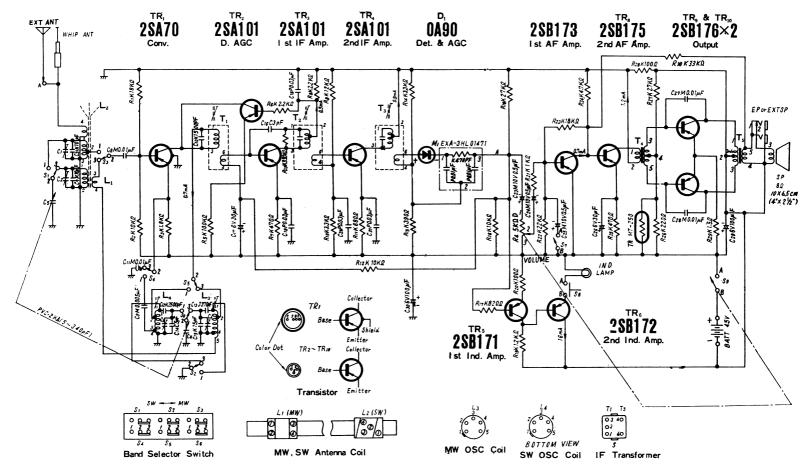


## Notes:

- 1. All resistor values in ohms  $(K = 1000\Omega)$ .
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## NATIONAL MODEL R-230H



## Notes:

- 1.  $S_1 \sim S_6$ : Band selector switch in "MW" position.
- : Tone switch in "HIGH" position.
- : Indicator lamp switch in "OFF" position. 3. S<sub>8</sub>
- : Power source switch in "OFF" position. 5. DC Voltage measurements are taken with circuit tester
- 6. Measured voltages for  $TR_1 \sim TR_{10}$  are from transistor terminal to bias line.
- 7. Capital letters (M, K, J, P, C) in the circuit diagram show allowable tolerance of resistors and capacitors as follows.  $M = \pm 20\%$   $K = \pm 10\%$   $J = \pm 5\%$  P = +100%  $C = \pm 0.25PF$ - 0%
- 8. Battery current:

No signal Maximum output

11~21mA 110~130mA

9. PF = pico farad = mmf

 $\mu F = micro farad = MF$