



NATIONAL MODEL R-122

TR₁
2SA102
Conv.

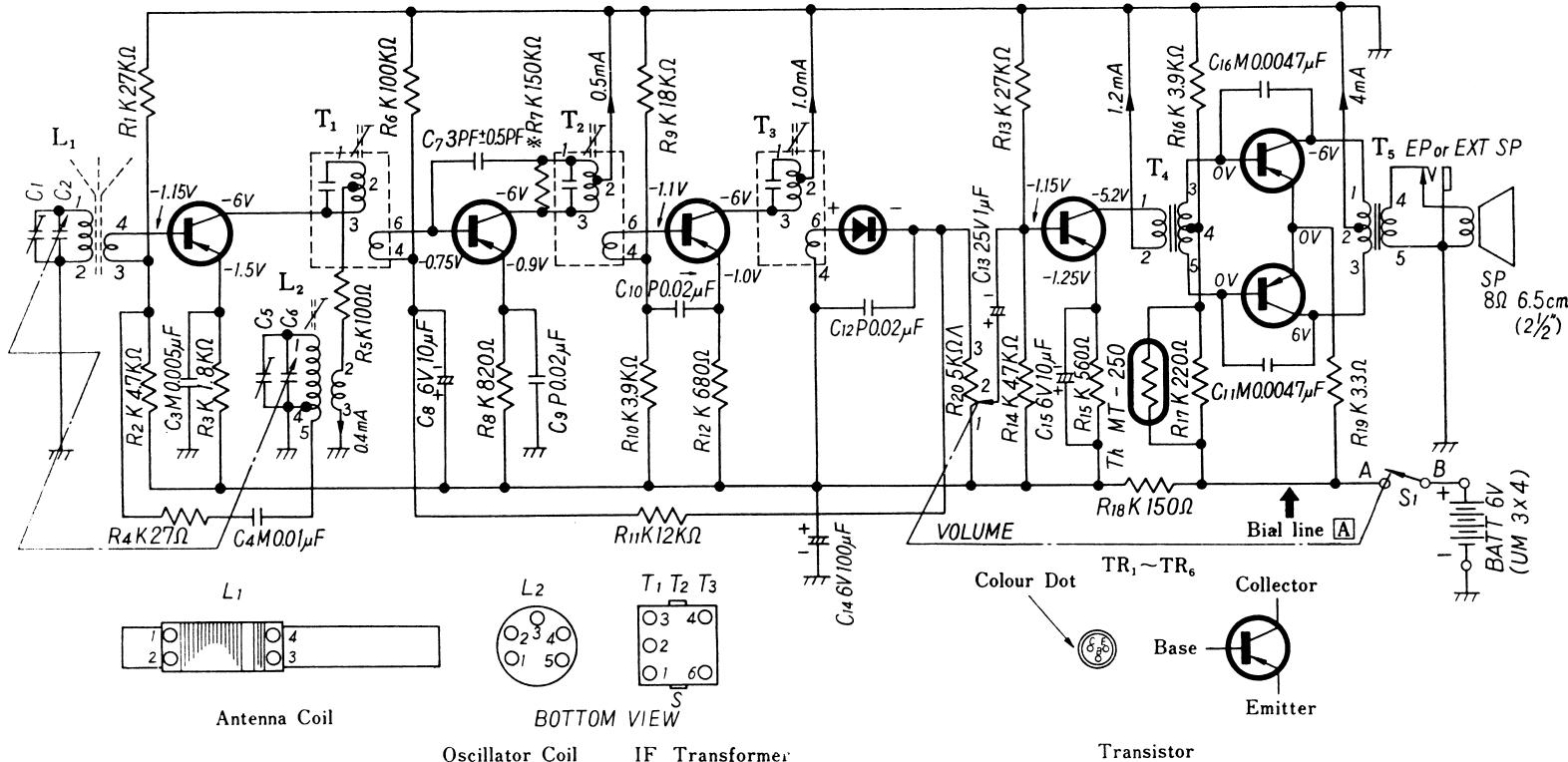
TR₂
2SA101
1st IF Amp.

TR₃
2SA101
2nd IF Amp.

D₁
0A90
Det. & AGC

TR₄
2SB175
AF Amp.

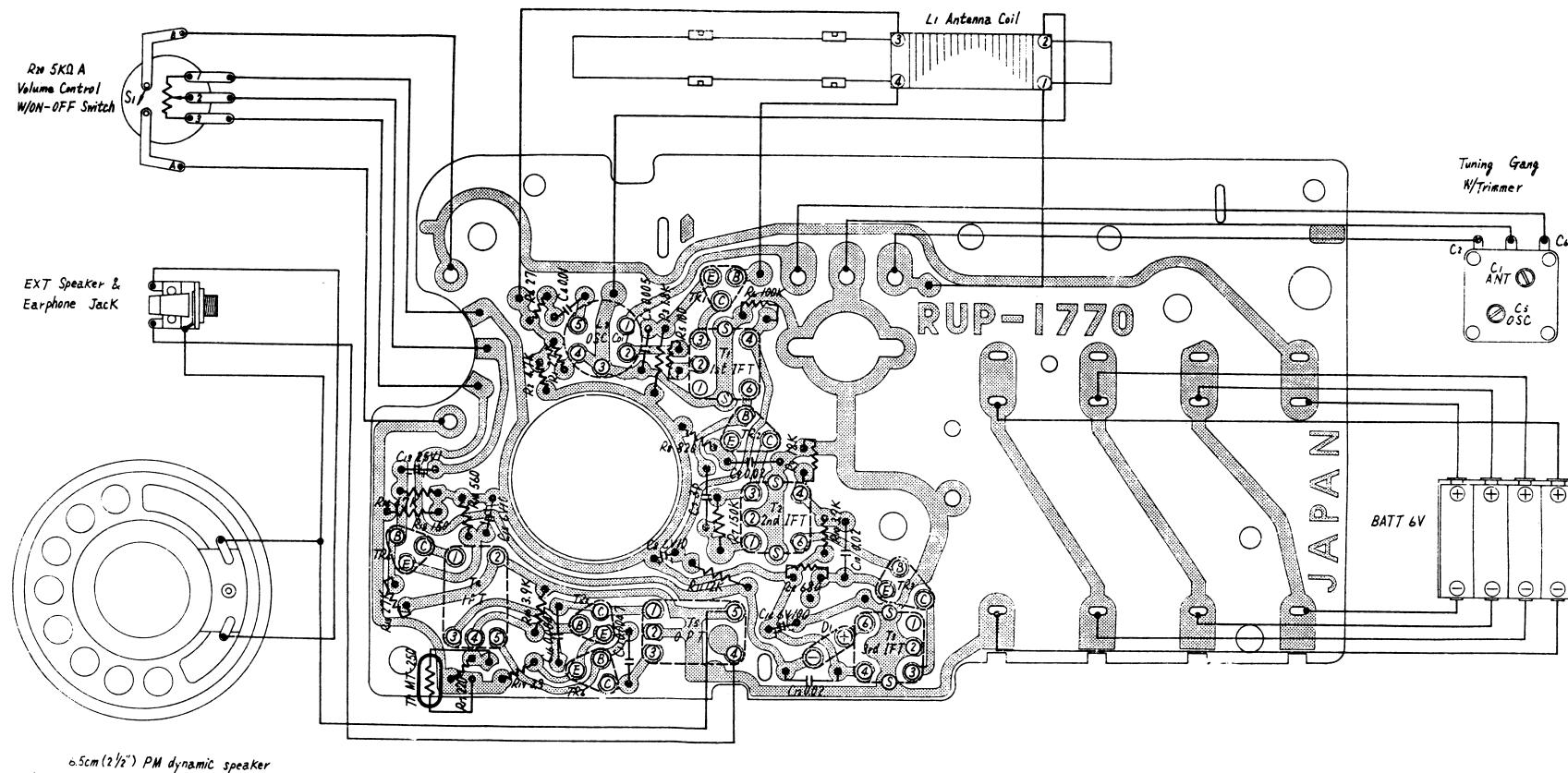
TR₅ & TR₆
2SB172 × 2
Out put



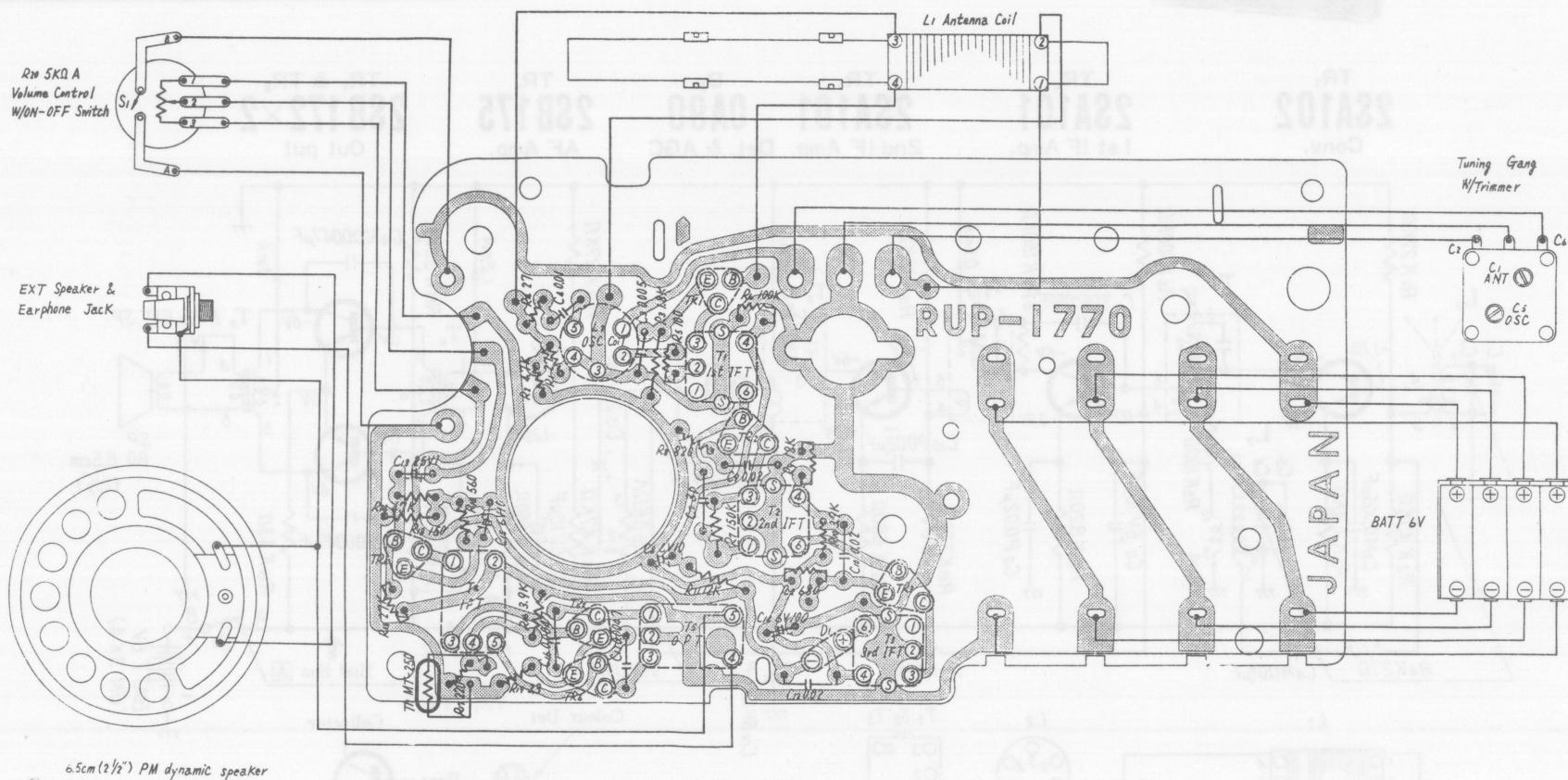
- Notes:**
1. S_1 : Power source switch in "OFF" position.
 2. DC Voltage measurement are taken with circuit tester ($10\text{K}\Omega/\text{V}$).
 3. Measured voltages for $\text{TR}_1 \sim \text{TR}_6$ are from transistor terminal to bias line $\boxed{\text{A}}$.
 4. Capital letters (M, K, J, P) in the circuit diagram show allowable tolerance of resistors and capacitors as follows.
 $M = \pm 20\%$ $K = \pm 10\%$ $J = \pm 5\%$ $P = \pm 10\%$

5. Battery current:

No signal	6~12mA
Maximum output	100mA
6. PF = pico farad = mmf
 μF = micro fard = mfd
7. The resistor dotted in the diagram are the standard values which may be variable according to the characteristics of transistor.
 $* R_7 = 220\text{K}\Omega, 150\text{K}\Omega$

**Notes:**

1. All resistor values in ohms. ($K = 1000\Omega$)
2. All capacitor values in micro farads. ($P = \mu\mu F$)
3. S₁ : Power source switch in "OFF" position.

**Notes :**

1. All resistor values in ohms. ($K = 1000\Omega$)
2. All capacitor values in micro farads. ($P = \mu\mu F$)
3. S₁ : Power source switch in "OFF" position.