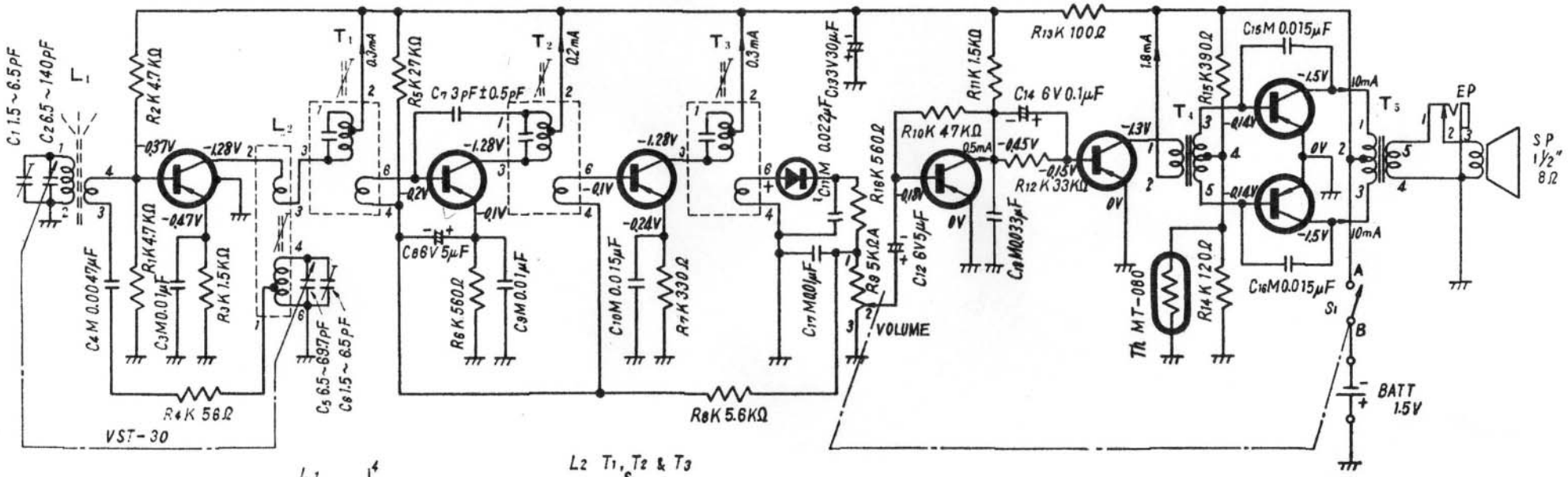
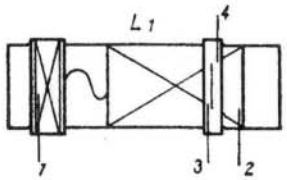
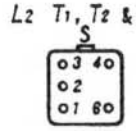
NATIONAL R-111

TR_1	TR_2	TR_3	D_1	TR_4	TR_5	TR_6 & TR_7
2SA341	2SA101	2SA101	0A90	2SA101	2SB175	2SB324×2
Conv.	Ist IF Amp.	2nd IF Amp.	Det. & AGC	Ist AF Amp.	2nd AF Amp.	Output





Antenna Coil



BOTTOM VIEW

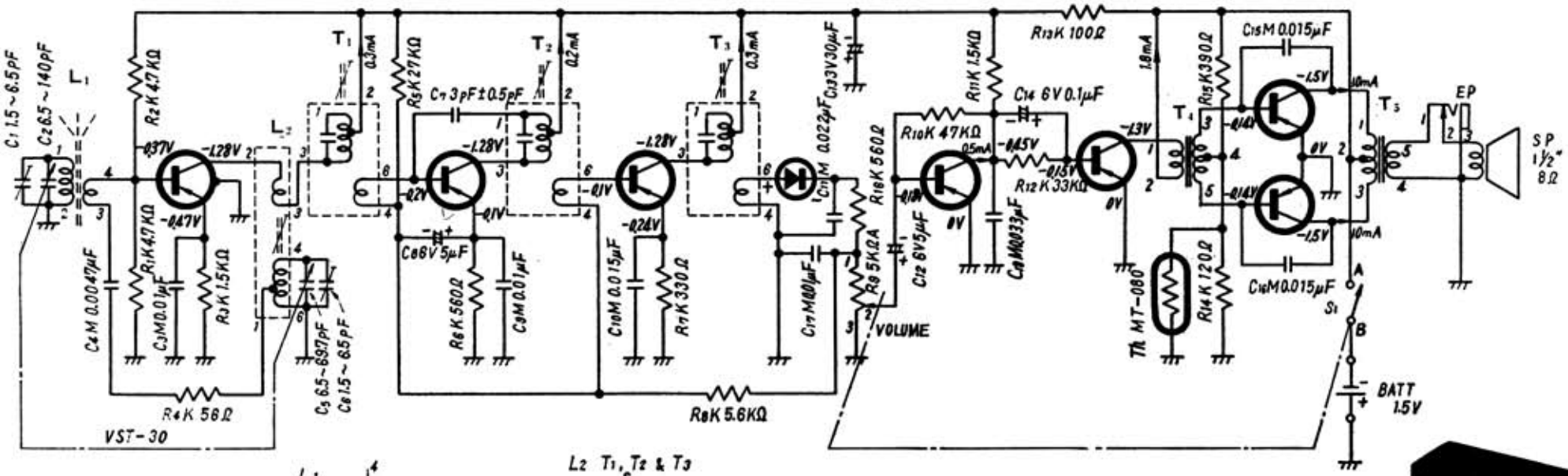
Oscillator Coil & IF Transformer

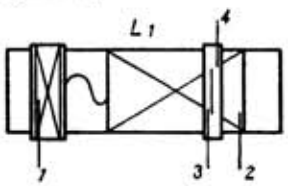
Notes:

1. S_1: Power source switch in "OFF" position.
2. DC Voltages measurements are taken with circuit tester (10K/ΩV).
3. Measured voltages for TR_1~TR_7 are from transistor terminal to positive side of battery.
4. Capital letters (M, K, J, P) in the circuit diagram show allowable deviations of resistors and capacitors as follows:
   M = ±20% K = ±10% J = ±5% P = +100% − 0%
5. PF = pico farad = mmf
   μF = micro farad = MF
6. Battery Current:
   No signal..... 20mA
   Maximum output ... 130mA

NATIONAL MODEL R-111

TR_1	TR_2	TR_3	D_1	TR_4	TR_5	TR_6 & TR_7
2SA341	**2SA101**	**2SA101**	**0A90**	**2SA101**	**2SB175**	**2SB324×2**
Conv.	1st IF Amp.	2nd IF Amp.	Det. & AGC	1st AF Amp.	2nd AF Amp.	Output





Antenna Coil

BOTTOM VIEW

Oscillator Coil & IF Transformer

Notes:

1. S_1 : Power source switch in "OFF" position.
2. DC Voltages measurements are taken with circuit tester (10K/ΩV).
3. Measured voltages for $TR_1 \sim TR_7$ are from transistor terminal to positive side of battery.
4. Capital letters (M, K, J, P) in the circuit diagram show allowable deviations of resistors and capacitors as follows:
   M = ±20% K = ±10% J = ±5% P = +100% − 0%
5. PF = pico farad = mmf
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   No signal..... 20mA
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