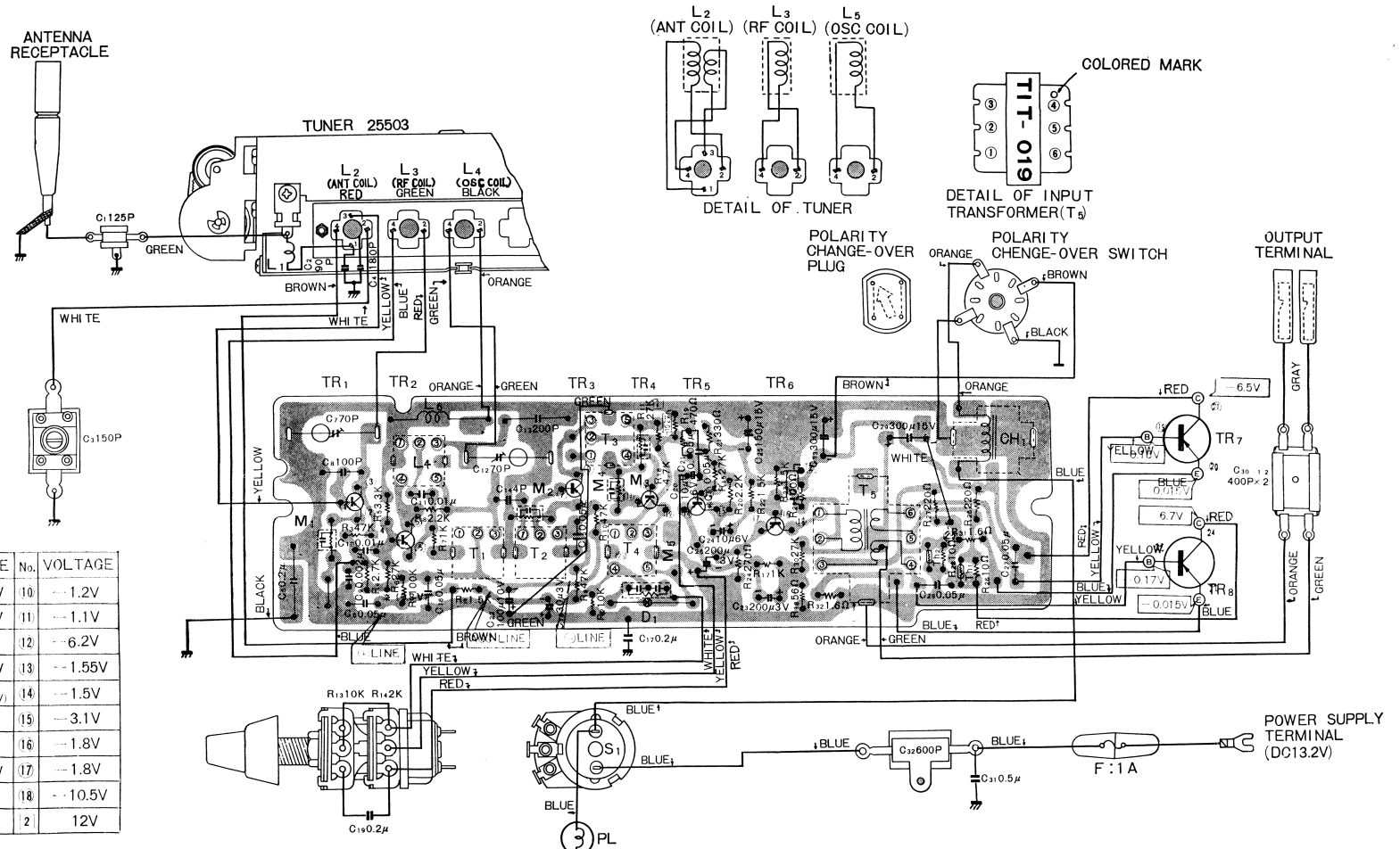
NATIONAL MODEL CR-1453A

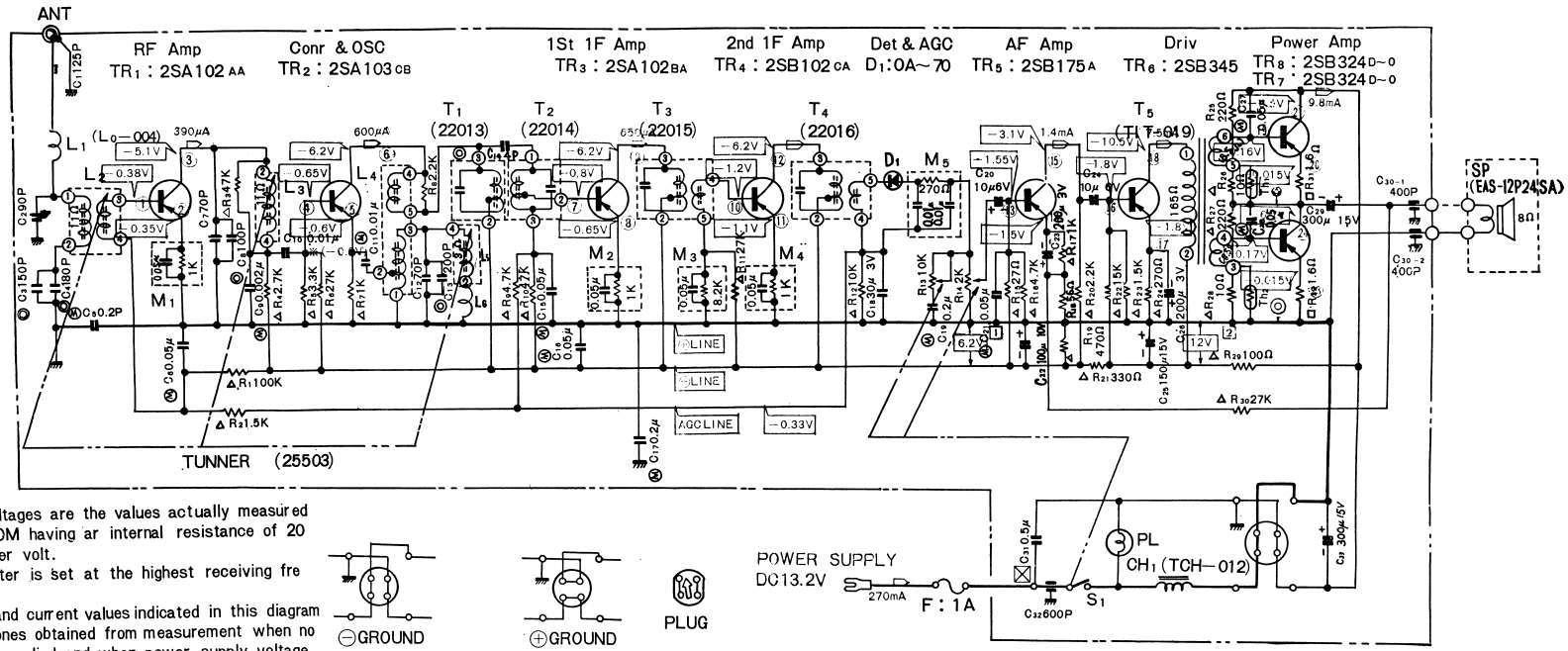
CR-1453A PRINTED CIRCUIT BOARD



No	VOLTAGE	No.	VOLTAGE
1	−0.38V	10	−1.2V
2	−0.35V	11	−1.1V
3	−5.1V	12	−6.2V
4	−0.65V	13	−1.55V
5	−0.6V ※(−0.8V)	14	−1.5V
6	−6.2V	15	−3.1V
7	−0.8V	16	−1.8V
8	−0.65V	17	−1.8V
9	−6.2V	18	−10.5V
1	6.2V	2	12V

NOTE: Condenser C_{21} (0.05μf), marked with※, is mounted on the pattern side (copper thin plate)

CR-1453A SCHEMATIC DIAGRAM



(1) Listed voltages are the values actually measured with a VOM having ar internal resistance of 20 kilohms per volt.
(2) Dial pointer is set at the highest receiving fre -quency.
(3) Voltage and current values indicated in this diagram are the ones obtained from measurement when no signal is applied and when power supply voltage is 13.2volts DC.
(4) Reference points for measurement.
TR1 to TR6 : line
TR7 : △ mark
TR8 : ◎ mark
(5) The voltage values of marked with ※ are the ones measured with the dial pointer at the lowest receiving frequency.
(6) Resistance coils etc. are DC resistance values.

⊖GROUND

⊕GROUND

PLUG

■ DIAGRAM SHOWS THE CASE IN WHICH ⊖ IS GROUNDED

(7) SYMBOL
△ : SOLID RESISTOR
□ : WIRE WOUD WOUND RESISTOR
◎ : TITANIUM CONDENSER
Ⓜ : POLYESTER FILM CONDENSER
☒ : PAPER CONDENSER
⊥ : ELECTROLYTIC CODENSER

R	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
C.M.	3 2 4 1 5 M1 6 7 8 9 10 11 12 13 14 15 16 M2 17 M3 M4 18 M5 19 20 21 31 32 22 23 24 25 26 28 27 33 29 30—1.2
T.Th.L. CH.	L1 L2 L3 L4 L5 L6 T1 T2 T3 T4 D1 CH1 T5 Th1 Th2

◎ ...PARTS CHANGED □ ...PARTS ADDED × ...PARTS REMOVED