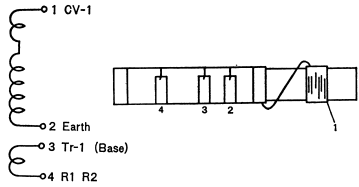
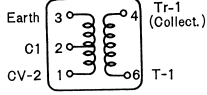


MAIN PARTS CONNECTION

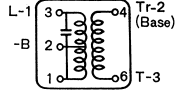
1. Antenna coil (L-1)



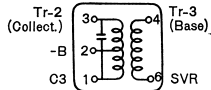
2. OSC coil (L-2)



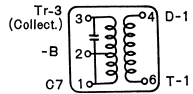
3. IF transe (T-1)



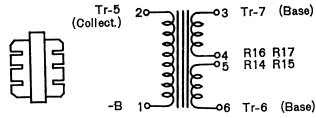
4. IF transe (T-2)



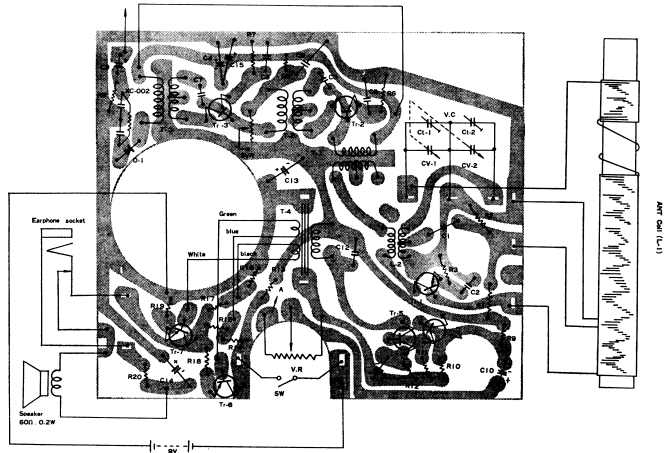
5. IF transe (T-3)



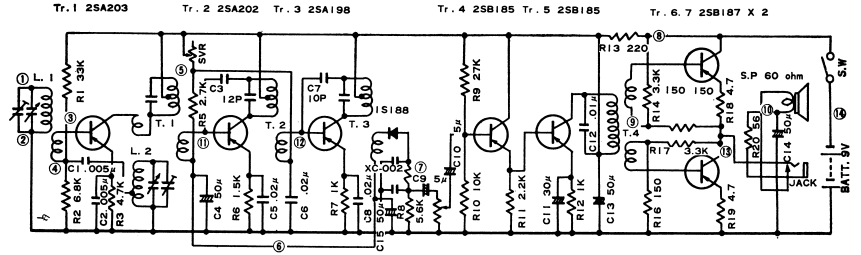
6. Input transe (T-4)



INTER PARTS WIRING

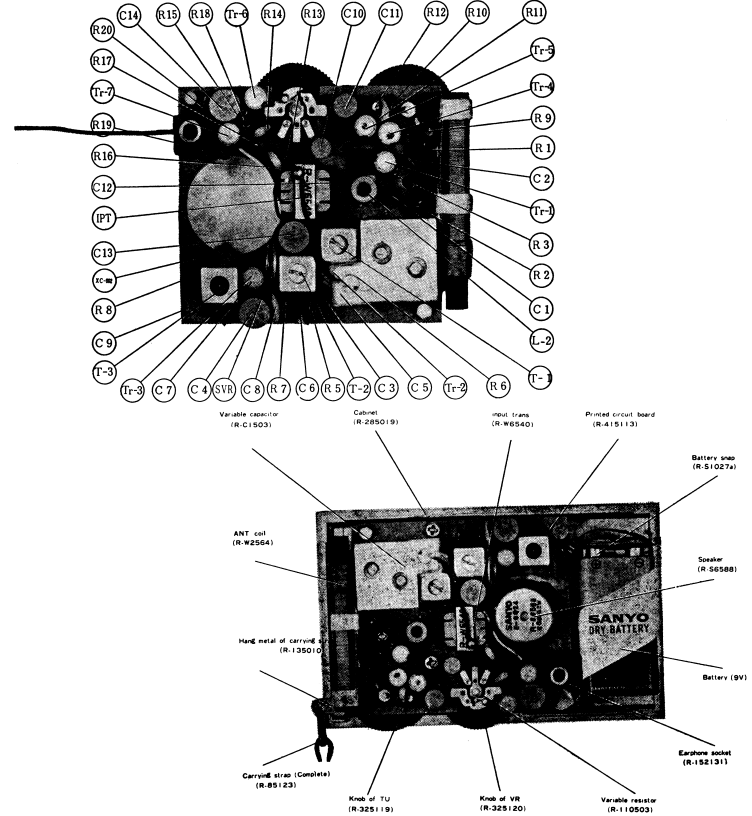


CIRCUIT DIAGRAM



NOTE : All resistance values in ohms Error of resistanc value cc no mark ±10% * mark ±20%

MAIN PARTS LOCATION



SANYO

7-transistor Pocketable Radio

MODEL 7C-305

SERVICE MANUAL

SANYO ELECTRIC CO., LTD.

INTERNATIONAL DIVISION, SANYO ELECTRIC TRADING CO., LTD.
OSAKA, JAPAN



SPECIFICATIONS

FREQUENCY RANGE BC 530 - 1605 KC
INTERMEDIATE FREQUENCY TRANSISTORS 455 KC

(1) 2SA203Frequency converter
 (2) 2SA2021st IF amplifier
 (3) 2SA1982nd IF amplifier
 (4) 2SB185 ×2 ...AF amplifier
 (5) 2SB187 ×2 ...Power amplifier

DIODE (1) 1S188Detector & AGC
RADIATION SENSITIVITY 10 mW output.....560 μV/m (upper limit)
DISTORTION 50 mW output at 5 mV/m input9% (upper limit)

SIGNAL TO NOISE RATIO 5mW output at 1mV/m input21 dB (lower limit)

LOUDSPEAKER 2¼" permanent dynamic speaker
 Voice coil impedance 60 ohms

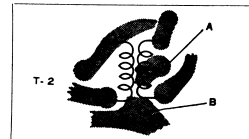
OUTPUT POWER Undistorted 130 mW
 Maximum 200 mW

BATTERY 9 volt radio battery
CURRENT DRAIN No signal 13 mA
 Maximum 40 mA

DIMENSIONS 2½" wide × 4½" high × 1½" deep
WEIGHT 0.66 lbs.

ALIGNMENT PROCEDURES

(1) Alignment of Semi-fixed Resistor.
 Apply 9 volt to the receiver as power source and make a receiver tune in no signal (station).
 Connect an ammeter (range : 1 mA) between two points A and B as figure.
 Adjust the volume of Semi-fixed Volume in order to obtain 350 μV deflection.
 Short circuit the two points by soldering after adjustment



(2) IF and Broadcast RF alignment.
 Apply volt-meter across the voice coil.
 Volume control should be at maximum position. Output of signal generator should be no higher than necessary to obtain output reading in order to avoid AGC function.

STEP	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	ADJUST FOR MAXIMUM OUTPUT
<i>IF ALIGNMENT</i>				
1	Radiate signal through the loop antenna, which connected with signal generator output cable.	455 KC	lower end	IF Transformer T-3 T-2 T-1
<i>BROADCAST RF ALIGNMENT</i>				
2	Radiate signal through the loop antenna, which connected with signal generator output cable.	520 KC	lower end	L-2
3		1650 KC	upper end	OSC trimmer
4		Repeat steps 2 and 3.		
5		600 Kc	lower end	L-1
6		1400 KC	upper end	ANT trimmer
7		Repeat steps 5 and 6.		