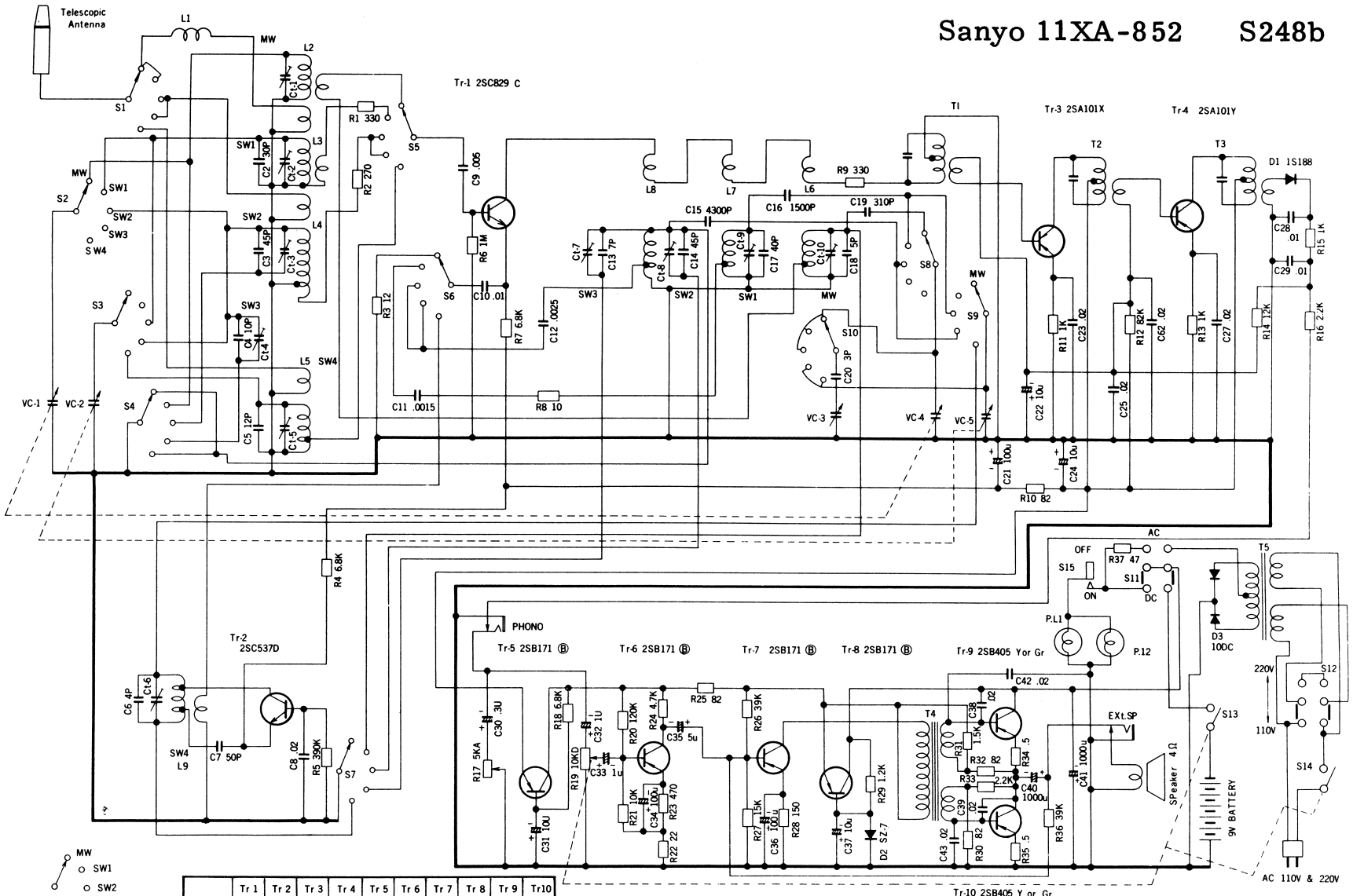


Sanyo 11XA-852 S248b



MW
 ○ SW1
 ○ SW2
 ○ SW3
 ○ SW4

Band Select Switch(S1,S2...S10)
 shown in 'MW' position

	Tr 1	Tr 2	Tr 3	Tr 4	Tr 5	Tr 6	Tr 7	Tr 8	Tr 9	Tr 10
Collector Voltage	0.13v	5.1v (0 v)	5.9v	5.9v	6.35v	3.65v	6.05v	9.0v	9.0v	3.9v
Base Voltage	0.55v	4.7v (1.07v)	0.52v	0.52v	5.8v	0.32v	0.81v	6.7v	3.9v	0.13v
Emitter Voltage	3.2v	5.2v (3.7v)	0.48v	0.45v	6.0v	0.27v	0.79v	6.05v	4.0v	0.05v
Collector Current	380μA	300μA	450μA	430μA	1.7mA	560μA	5.2mA	8 mA		

NOTE: 1. Value of capacitors are shown in 'uF' (micro-farad) unless otherwise specified. P - PF = micro-micro farad.
 2. Values of resistors are shown in ohms. K = 1000 ohms.
 3. Voltages given left are measured from common ground (Positive line) to the respective points.
 Values in parentheses show those of SW4 operation.

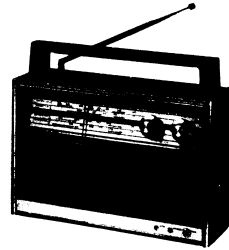
**Solid State,
5-band Portable Radio**

MODEL 11XA-852

SERVICE MANUAL

SANYO ELECTRIC CO., LTD.

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



SPECIFICATION

Frequency Range MW 520 - 1605 KHz
 SW₁ 2.3 - 5.1 MHz
 SW₂ 5.95 - 12.0 MHz
 SW₃ 15.1 - 17.9 MHz
 SW₄ 21.0 - 26.1 MHz

Intermediate Frequency 455 KHz

Sensitivity (for 50mW output) MW 28 μV/m
 SW₁ 18 μV/m
 SW₂ 4.5 μV
 SW₃ 5 μV
 SW₄ 5.6 μV

Output Power Undistorted 1,800 mW
 Maximum 3,000 mW

Power Supply DC 9V (six "D" size standard flashlight batteries or AC household current, 100/120V or 200/250V)

Current Drain No signal 26 mA
 Maximum 420 mA

Speaker 4" x 6" oval permanent dynamic 4 ohm voice coil impedance

Dimensions 13" wide x 9" high x 4-1/8" deep

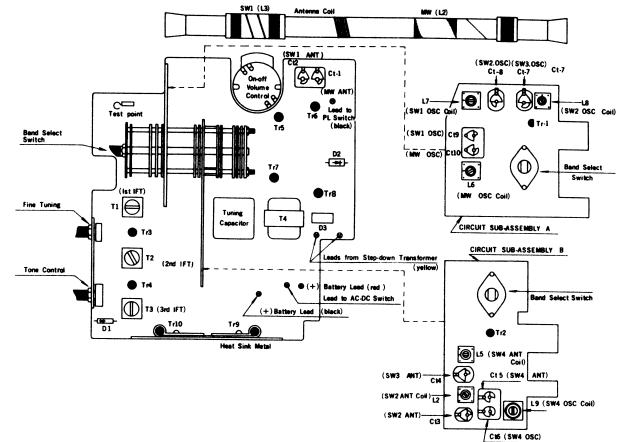
Weight (Net) 6 pounds (2.6 kg)

Outlet Jack for extension speaker

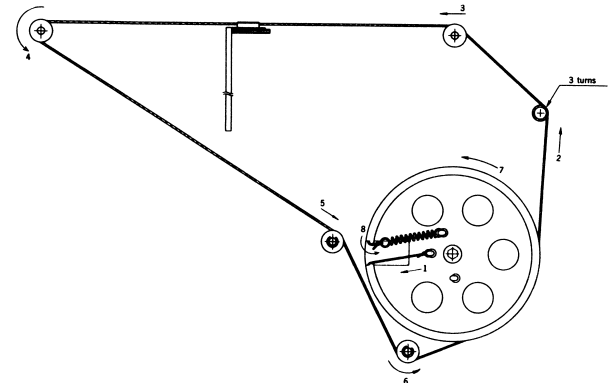
ALIGNMENT PROCEDURES

PROCEDURES	POSITION OF BAND SWITCH	SIGNAL INPUT	FREQUENCY OF SIGNAL GEN.	DIAL SETTING OF RADIO	COMPONENTS TO BE ADJUSTED FOR MAXIMUM OUTPUT
IF STAGE	MW	IRE LOOP	455 KHz	Lowest End	Three IFT's T3, T2 & T1
SW ₁ BAND	SW ₁	IRE LOOP	505 KHz	Lowest End	MW Oscillator Coil L6
			1650 KHz	Highest End	MW Oscillator Trimmer Ct10
			570 KHz	570 KHz	MW Antenna Coil L2
SW ₁ BAND	SW ₁	IRE LOOP	1400 KHz	1400 KHz	MW Antenna Trimmer Ct1
			2.23 MHz	Lowest End	SW ₁ Oscillator Coil L7
			5.18 MHz	Highest End	SW ₁ Oscillator Trimmer Ct9
			2.4 MHz	2.4 MHz	SW ₁ Antenna Coil L3
			4.8 MHz	4.8 MHz	SW ₁ Antenna Trimmer Ct2
SW ₂ BAND	SW ₂	Dummy Ant (Test Point)	5.82 MHz	Lowest End	SW ₂ Oscillator Coil L8
			12.36 MHz	Highest End	SW ₂ Oscillator Trimmer Ct8
			6.2 MHz	6.2 MHz	SW ₂ Antenna Coil L4
SW ₃ BAND	SW ₃	Dummy Ant (Test Point)	11.8 MHz	11.8 MHz	SW ₂ Antenna Trimmer Ct3
			18.2 MHz	Highest End	SW ₃ Oscillator Trimmer Ct7
			17.7 MHz	17.7 MHz	SW ₃ Antenna Trimmer Ct4
SW ₄ BAND	SW ₄	Dummy Ant (Test Point)	20.57 MHz	Lowest End	SW ₄ Oscillator Coil L9
			26.56 MHz	Highest End	SW ₄ Oscillator Trimmer Ct6
			21.6 MHz	21.6 MHz	SW ₄ Antenna Coil L5
			25.8 MHz	25.8 MHz	SW ₄ Antenna Trimmer Ct5

MAIN PARTS IDENTIFICATION



DIAL CORD STRINGING



HOW TO TAKE OUT CHASSIS

1. Loosen four (4) screws on back and dismantle the back lid.
2. Pull off Tuning Control Knob, Volume Control Knob and three Control Knobs on side.
3. Loosen two (2) screws fixing Battery Compartment and take out Battery Compartment.
4. Loosen seven (7) screws marked in red on their heads, which fix chassis onto front housing.
5. Disconnect five (5) jumper-leads by pulling.
6. Then take out chassis carefully.