

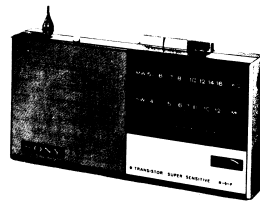
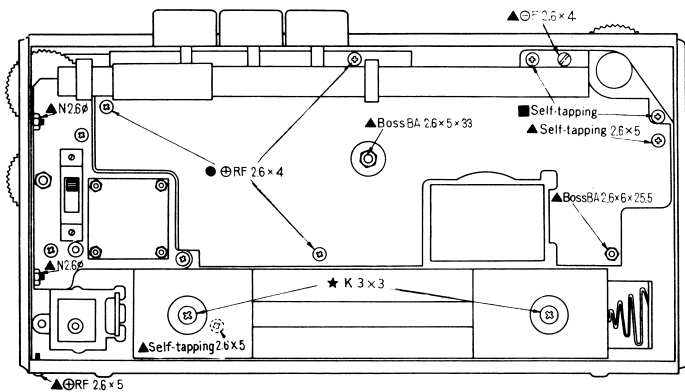
# S6-1

## Removal of Chassis

1. Remove the three Back Cover Holding Screws (+P 2.6×5) and open the Back Cover.
2. Unsolder the Telescopic Antenna Lead at the Lug.
3. Remove the two Screws (F 3×3) marked with ★ in Fig. 2 and take out the Battery Cylinder.
4. Remove the two Self-tapping Screws (2.6×5), the two Screws (+RF 2.6×5 and -F 2.6×4), the two Nuts (2.6φ) and the two Bosses marked with ▲ in Fig. 2.
5. Push the Tuning Meter at the front panel and loosen the Chassis from the Cabinet.
6. Remove the two Self-Tapping Screws marked with ■ in Fig. 2 and loosen the Volume Control Mounting Chassis.
7. Take out the Chassis together with Printed Circuit Board carefully.

## Removal of Printed Circuit Board

1. Remove the Screw (RF 2×4) fixing the Bar Antenna Holder to the Sub Chassis.
2. Unsolder the following lead wires.
  - a) Braided Wire soldering to the case of L<sub>3</sub> from the Ground of Tuning Capacitor.
  - b) Black Lead Wire of Bar Antenna.
  - c) Blue Lead Wire soldering to the terminal (C<sub>1-2</sub>) of Tuning Capacitor.
3. Remove the three Screws (+RF 2.6×4) marked with ● in Fig. 2.
4. The Printed Circuit Board shall be separated from the Chassis enough for repairing. When checking on operation, connect the extension lead wires to the leads unsoldered at Step 2.



# SONY MODEL 5R-93

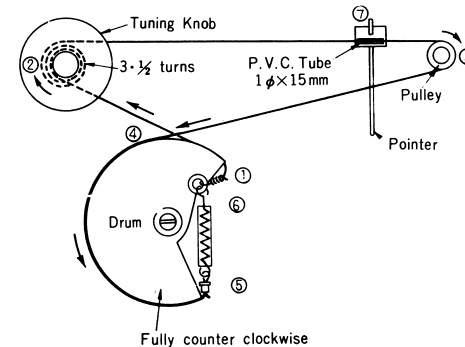
## Alignment

| Adj. Item             | SSG (Standard Signal Generator) Coupling | SSG Freq. | Receiver Dial Setting | Connect VTVM       | Adjust  | Remarks                       |
|-----------------------|--|-----------|-----------------------|--------------------|---|-------------------------------|
| IF                    | Loop Antenna                             | 455 Kc    | Fully right           | Across 8Ω Resistor | IFT <sub>1, 2</sub>   | adjust for maximum deflection |
| MW Frequency Coverage | "  | 520 Kc    | Fully left            | "                  | MW <sup>7</sup> Osc. Coil (L <sub>1</sub> )                               | "                             |
|                       | "  | 1680 Kc   | Fully right           | "                  | MW Osc. Trimmer (C <sub>2-1</sub> )                                       | "                             |
| MW Tracking           | "  | 620 Kc    | Tune to 620Kc signal  | "                  | MW Ant. Coil (L <sub>2</sub> ) and MW RF Coil (L <sub>1</sub> )           | "                             |
|                       | "  | 1400 Kc   | Tune to 1400Kc signal | "                  | MW Ant. Trimmer (C <sub>3-1</sub> ) and MW RF Trimmer (C <sub>4-1</sub> ) | "                             |
| SW Frequency Coverage | "  | 3.8 Mc    | Fully left            | "                  | SW Osc. Coil (L <sub>3</sub> )  | "                             |
|                       | "  | 12.6 Mc   | Fully right           | "                  | SW Osc. Trimmer (C <sub>2-2</sub> )                                       | "                             |
| SW Tracking           | "  | 3.8 Mc    | Tune to 3.8Mc signal  | "                  | SW Ant. Coil (L <sub>1</sub> ) and SW RF Coil (L <sub>2</sub> )           | "                             |
|                       | "  | 12.6 Mc   | Tune to 12.6Mc signal | "                  | SW Ant. Trimmer (C <sub>3-2</sub> ) and SW RF Trimmer (C <sub>4-2</sub> ) | "                             |

**Note:** In above alignment, Receiver should be set as follows:

- Tone Switch: HIGH
- Volume Control: maximum
- Fine Tuning Capacitor: Center Position
- Load Resistor: Connect an 8Ω Resistor instead of Speaker
- Power Supply: DC 4.5V

## Dial Cord Stringing



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