

# WM-3300

## SERVICE MANUAL

*US Model  
Canadian Model  
AEP Model  
E Model*



### SPECIFICATIONS

Output	PHONES jack: stereo minijack
Power requirements	3 V DC --- Two size AA (R6) batteries
Battery life	Sony alkaline AM3 (N): approx. 8 h Sony SUM-3 (NS): approx. 4 h
Dimensions	Approx. 143 x 89 x 38 mm (w/h/d) (5 3/4 x 3 5/8 x 1 1/2 inches)
Mass	Approx. 190 g (6.7 oz.)
Accessory supplied	Stereo headphones (1)

Design and specifications are subject to change without notice.



CASSETTE PLAYER  
**SONY®**

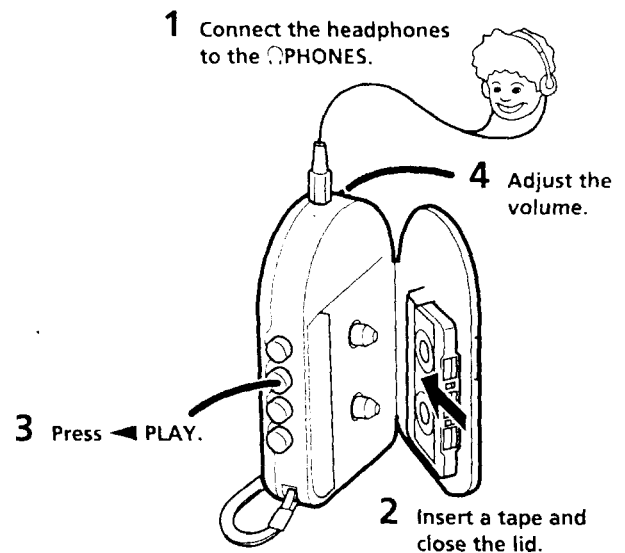
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### Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 °C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

## SECTION 1 GENERAL



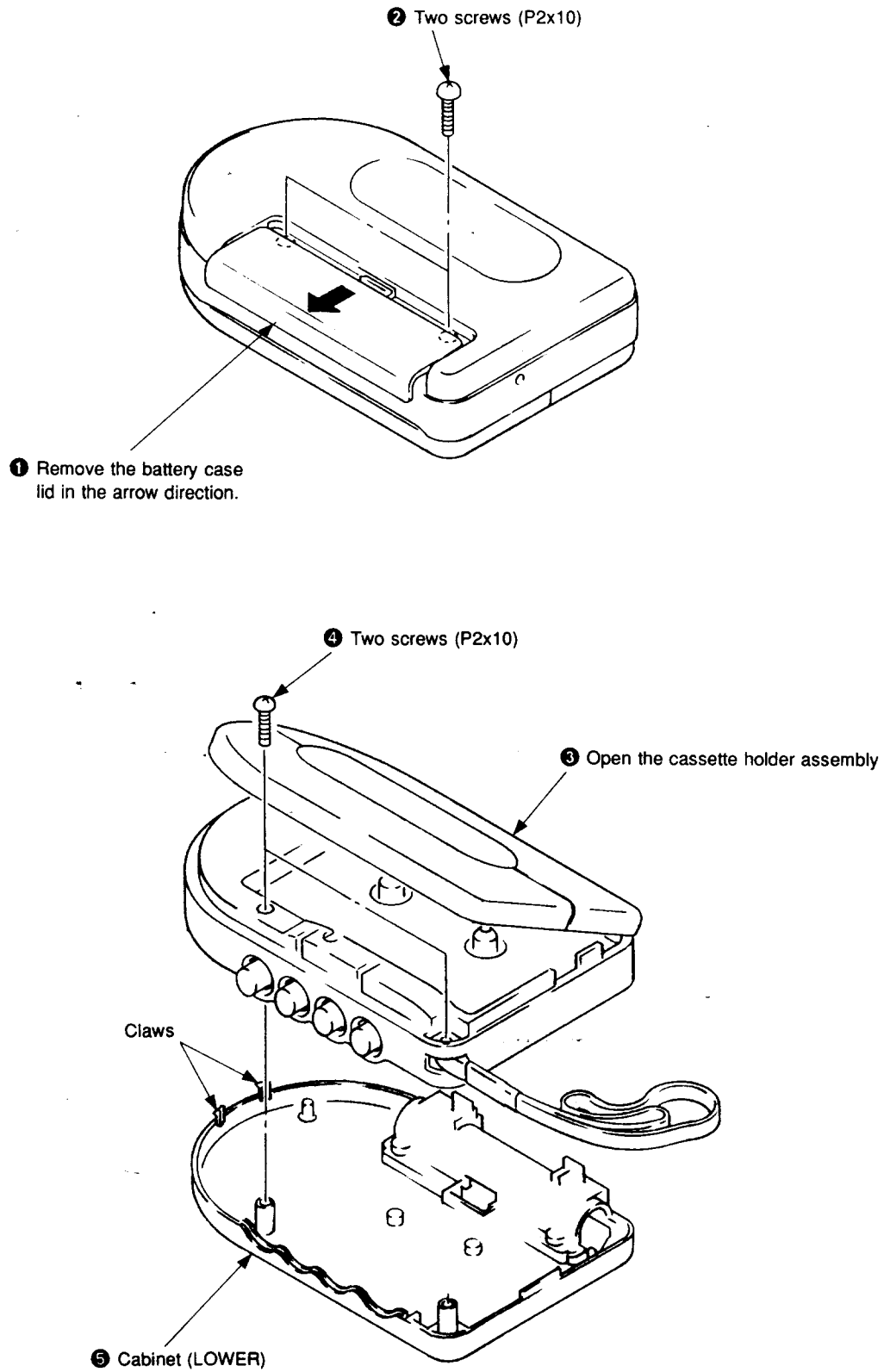
### Additional operations

- 
- Press to stop playback.
- 
- ⏭ Press to fast-forward.
- 
- ⏮ Press to rewind.
- 

When the tape reaches to its end while fast-forwarding or rewinding it, be sure to press ■STOP.

## SECTION 2 DISASSEMBLY

**Note :** Follow the disassembly procedure in the numerical order given. —



## SECTION 3 ADJUSTMENTS

### 3-1. MECHANICAL ADJUSTMENTS

#### PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab :
 

playback head	pinch roller
capstan	rubber belts
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage (2.5V) unless otherwise noted.

#### Torque Measurement

Torque	Torque Meter	Meter Reading
Forward	CQ-102D	20 — 45 g • cm (0.28 — 0.62 oz • inch)
Fast Forward	CQ-201B	55 — 130 g • cm (0.77 — 1.8 oz • inch)
Rewind	CQ-201B	55 — 150 g • cm (0.77 — 2.1 oz • inch)
Back Tension	CQ-102D	1.0 — 3.0 g • cm (0.014 — 0.041 oz • inch)

### 3-2. ELECTRICAL ADJUSTMENTS

#### PRECAUTION

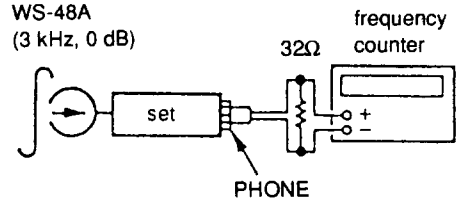
- VOLUME : maximum

#### Test Tape

Type	Signal	Used for
WS-48A	3 kHz, 0 dB	Tape Speed Adjustment

#### Tape speed adjustment

Procedure : test tape  
WS-48A  
(3 kHz, 0 dB)



1. Play back WS-48A (tape center portion) in reverse mode. Adjust the RV601 so that the frequency counter reads  $3,000\text{Hz} \pm 10\text{ Hz}$ .

#### Adjustment Location :

