

## Troubleshooting Guide

### The unit does not operate.

- The AC power cord is not connected.
- No batteries in battery compartment.
- Batteries installed incorrectly.
- Weak battery. Replace all the batteries.

### Cassette cannot be inserted.

- Cassette is being inserted improperly.
- PLAY is depressed.

### REC cannot be depressed.

- No cassette in deck B.
- The cassette inserted has tab removed. Use another cassette or cover slot with plastic tape.
- FF or REW has been depressed.

### Tape does not move.

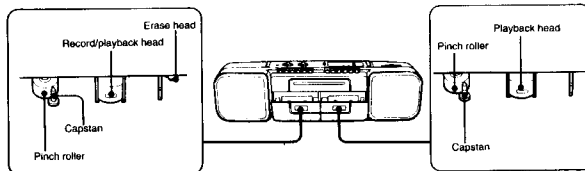
- PAUSE is depressed.

### No sound from speakers.

- Headphones are plugged in.
- The VOLUME control is turned down completely.
- The FUNCTION selector setting is incorrect.

### Poor playback, recording or erase quality.

- Dirty heads. Clean the illustrated portions with cotton swab lightly moistened with cleaning fluid or denatured alcohol.
- Demagnetize the heads and all metal parts in the tape path with a commercially available head demagnetizer.



## Specifications

### POWER OUTPUT AND TOTAL HARMONIC DISTORTION

With 3.2-ohm loads, both channels driven, from 150 to 10,000 Hz; rated 1.5 W per channel minimum, RMS power, with no more than 10% total harmonic distortion in AC operation.

Frequency range	FM 87.6-108 MHz AM 530-1,710 kHz
Antennas	FM: Telescopic antenna AM: Built-in ferrite bar
Recording system	4-track, 2-channel stereo
Frequency response	80-10,000 Hz
Speakers	Full-range: 10 cm (4 inches) dia. x 2
Output	Headphones jack (stereo minijack) for 16-ohm impedance headphones
Power output (except for USA)	4.6 W (2.3 W + 2.3 W) (with 10% harmonic distortion; DC operation)
Power requirements	Australian model: 240 V AC, 50 Hz Model for other countries: 120 V AC, 60 Hz 9 V DC, six size D (R20) batteries

Power consumption	14 W in AC operation	
Battery life		
Batteries	FM recording	Tape playback
Sony SUM-1 (NS)	Approx. 12 hours	Approx. 7 hours
Sony AM1 alkaline	Approx. 24 hours	Approx. 14 hours
Dimensions	Approx. 540 x 155 x 148 mm (w/h/d) (21 1/8 x 6 1/8 x 5 7/8 inches) incl. projecting parts and controls, not incl. handle	
Weight	Approx. 3.4 kg (7 lb 8 oz) incl. batteries	
Accessory supplied	AC power cord (1)	
Optional accessories	Sony "MDR" headphone series Cassette eraser BE-A200, BE-94	

Design and specifications subject to change without notice.

SONY.

3-755-258-21 (1) A41

## Radio Cassette-Corder

# CFS-W308

- CFS 208

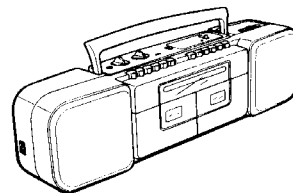
## Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

## Owner's Record

The model number is located on the bottom, and the serial number is located in the battery compartment. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. CFS-W308 Serial No. \_\_\_\_\_



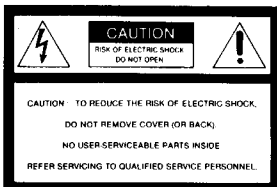
## MEGA BASS

The Sony MEGA BASS system for heavy and powerful bass sound.

Sony Corporation © 1992 Printed in Malaysia

## WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

For customers in Canada

### CAUTION

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

## Precautions

### Notes on power sources

- For battery operation, use six size D (R20) batteries. For AC operation (240 V AC for Australian model, 120 V AC for other countries), use the supplied AC power cord; do not use any other type.
- Remove batteries when not in use to avoid damage from battery leakage.
- Unplug the unit from the wall outlet when it is not to be used for an extended time.

### Handling the unit

- Avoid exposure to temperature extremes, direct sunlight, dust or mechanical shock.
- Should anything fall into the unit, immediately unplug the unit (or remove batteries) and have it checked by qualified personnel before operating it again.
- Do not lift the handle when the telescopic antenna is extended.
- When the unit has not been used for a long time, set it in the playback mode for several minutes before inserting a cassette.

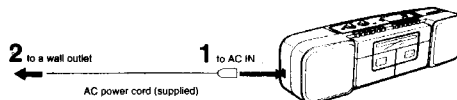
### Note on cassette

Use of cassettes longer than 90 minutes is not recommended except for long continuous recording or playback.

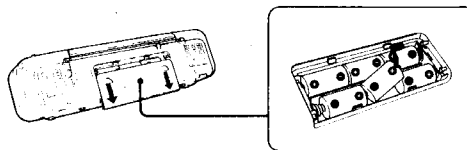
If you have any question or problem concerning your unit that is not covered in this manual, please consult your nearest Sony dealer.

## Power Sources

Connect the supplied AC power cord to the AC IN jack.



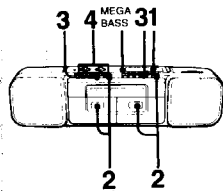
Insert six size D (R20) batteries.



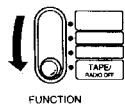
### Note

- The unit cannot be operated on the internal batteries when the AC power cord is connected to the unit.
- When OPR/BATT indicator glows faintly, replace all batteries.
- For critical recording, operating the unit on AC power is recommended.

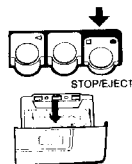
## Tape Playback (either deck)



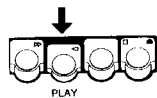
**1** Set to TAPE/RADIO OFF.



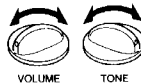
**2** Insert a cassette.



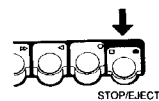
**3** Press **▶** PLAY.



**4** Adjust VOLUME and TONE, if necessary.



To stop playback



To wind tape rapidly	⏮
To rewind tape	⏪
To stop playback/recording	⏹
To pause playback/recording	⏸
To release pause	⏶

When both decks A and B are in the playback mode, only playback from deck B will be audible.

When the unit is in use, OPR/BATT (operation/battery) indicator lights. Intensity of glow shows battery level.

### Note:

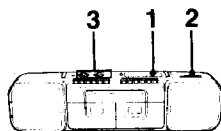
During playback, avoid pressing the FF/REW/PLAY buttons of the other deck since the playback speed may vary.

### To obtain powerful bass sound

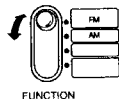
This unit incorporates the MEGA BASS system which contains the Dynamic Bass Boost (DBB) circuit. The DBB varies the amount of boost in the low frequency range depending on the volume control and reproduces a powerful bass sound especially at low volume level. To increase the bass, press the MEGA BASS button (⏮ ON). The "MEGA BASS" system also functions during radio operation.

**For private listening**  
Connect stereo headphones to PHONES jack.

## Listening to the Radio



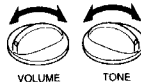
**1** Select the desired band.



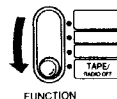
**2** Tune in a desired station.



**3** Adjust VOLUME and TONE, if necessary.



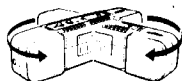
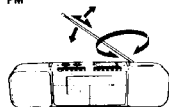
To turn off the radio



**Antenna adjustment**

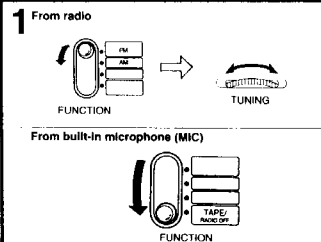
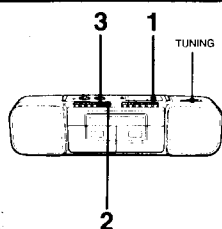
FM

AM

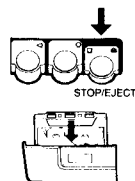


## Recording (deck B only)

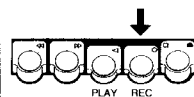
Use only TYPE I (normal) tapes for recording.



### 2 Insert a blank cassette.



### 3 Press ● REC.



◀ PLAY is pressed automatically.

### To stop recording



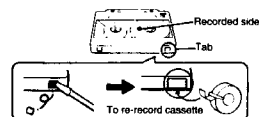
When the tape reaches the end, ● REC and ▶ PLAY are released automatically.

**No volume and tone adjustments are necessary**  
Recording level is automatically set. Volume and tone adjustments will not affect recording level.

**While recording from the built-in microphone**  
You cannot monitor the sound through the headphones.

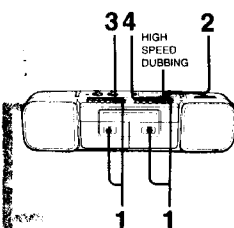
**Note:**  
While recording, avoid pressing the FF/REW/PLAY button of deck A to assure stable recording.

**To prevent accidental erasure**  
Break off the tab corresponding to the side which has been recorded. Recording on that side will be protected.

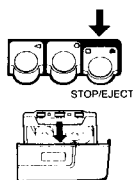


## Tape Dubbing (deck A to deck B)

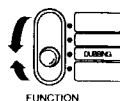
Use only TYPE I (normal) tapes for dubbing.



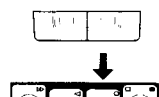
### 1 Insert recorded tape in A, blank tape in B.



### 2 Set to DUBBING.

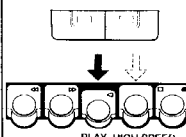


### 3 Press ● REC on deck B.



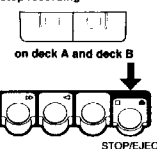
Unit will stand by.

### 4 Press ◀ PLAY on deck A.



Recording will start.  
For dubbing with high speed, press HIGH SPEED DUBBING on deck A.

### To stop recording



Both decks will stop.

### Notes on dubbing

- If deck A's tape finishes first, deck B will also stop. (Manually press STOP/EJECT to release locked buttons.)
- If deck B's tape finishes first, deck A will continue to play.
- During normal speed dubbing, avoid pressing the HIGH SPEED DUBBING button.