

SONY.

3-757-907-21 (1)

Radio Cassette-Corder

CFS-W318/W328

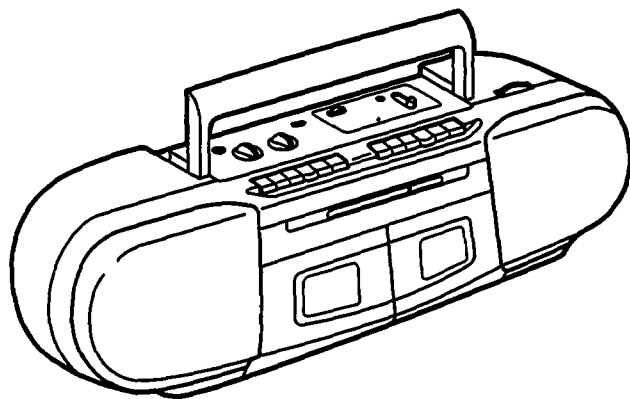
Operating Instructions

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

Owner's Record

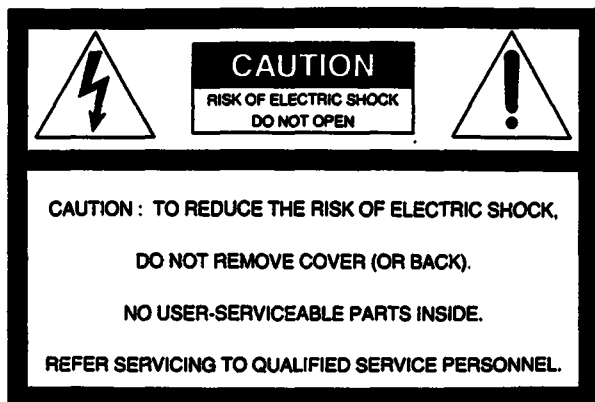
The model number is located on the bottom, and the serial number is located in the battery compartment. Record these numbers in the spaces provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. _____ Serial No. _____



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.

CAUTION

For customers in Canada

To prevent electric shock, match wide blade of plug to wide slot, fully insert.

Precautions

Notes on power sources

- For AC operation, use the supplied AC power cord; do not use any other type.
- For battery operation, use six size D (R20) batteries.
- When the operational batteries are not to be used, remove them to avoid damage that can be caused by battery leakage or corrosion.
- Unplug the player from the wall outlet when it is not to be used for an extended time.
- The nameplate indicating operating voltage, power consumption, etc. is located on the bottom.

Handling the player

- Do not leave the player in a location near heat sources, or in a place subject to direct sunlight, excessive dust or mechanical shock.
- Should any solid object or liquid fall into the player, unplug the player and have it checked by qualified personnel before operating it any further.
- Do not lift the handle when the telescopic antenna is extended.
- If the player has not been used for a long time, set it in the playback mode to warm it up for a few minutes before inserting a cassette.

Note on cassette

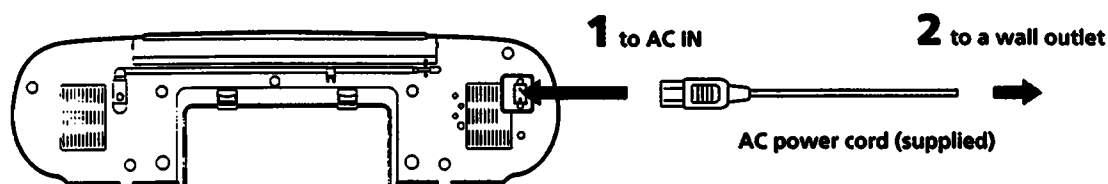
The use of a cassette with more than 90 minutes of play time is not recommended except for long, continuous recording or playback.

If you have any questions or problems concerning your player, please consult your nearest Sony dealer.

Power Sources

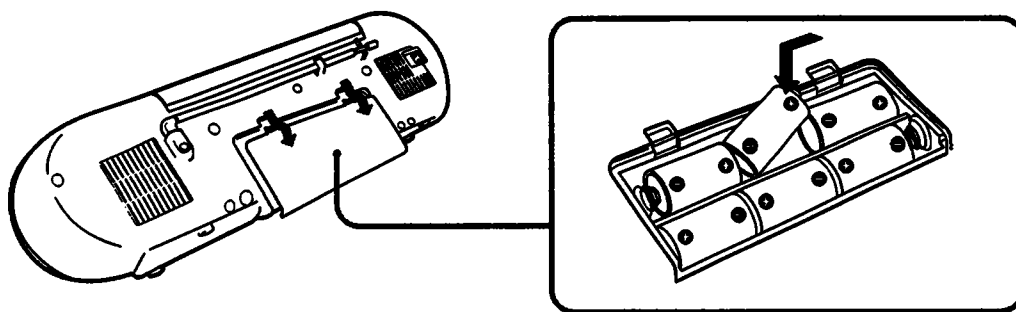
House current

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



Batteries

Insert six size D (R20) batteries.

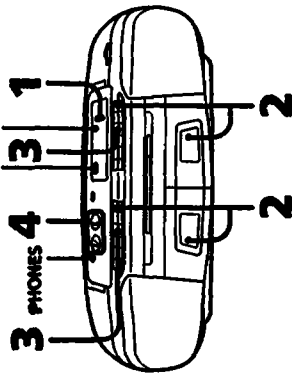


Note

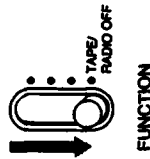
- The player cannot be operated on the internal batteries when the AC power cord is connected to the player.
- When OPR/BATT indicator dims, replace all batteries.
- For critical recording, operating the player on AC power is recommended.

Playing a Tape (on either deck)

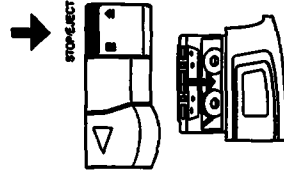
MEGA
BASS
OFF/BATT



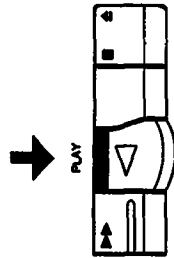
1 Set to **TAPERADIO OFF**.



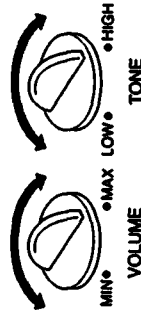
2 Insert a cassette.



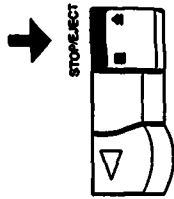
3 Press **▷** **PLAY**.



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



To stop playback



When the tape reaches its end,
▷ **PLAY** is released
automatically.

When you want to	Press
wind tape rapidly	◀◀
rewind tape	◀
pause playback/recording	
release pause	
remove a cassette	▶▶

After winding with ◀◀ FF or ▶▶ REW, press
▶▶ STOP/EJECT to release ◀◀ FF or ▶▶ REW.

For private listening

Connect stereo headphones to PHONES jack.

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

When the **player is in use**

The **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.

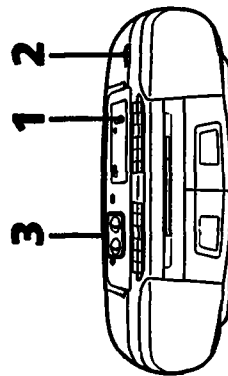
To emphasize the bass sound (CFS-W328 only)
Set the MEGA BASS selector as follows:

To emphasize	Set to
heavy bass greatly	MAX
heavy bass slightly	MID
no emphasis	NORM

Note on MEGA BASS (CFS-W328 only)
The MEGA BASS system contains the Dynamic Bass Boost (DBB) circuit.

The DBB varies the amount of boost in the low frequency range depending on the volume control, producing a deep and powerful bass sound. It is most effective at low volume level.

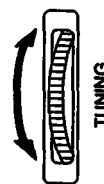
Listening to the Radio



1 Select the desired band.



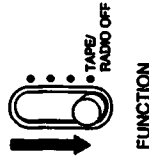
2 Tune in the desired station.



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



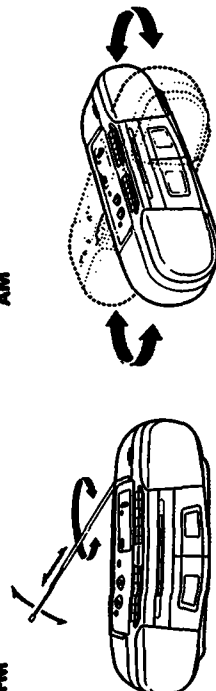
To turn off the radio



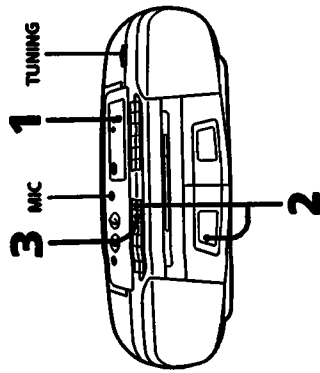
Antenna adjustment

FM

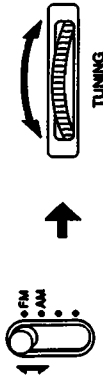
AM



Recording (deck B only) Use only TYPE I (normal) tapes for recording.



1 From radio

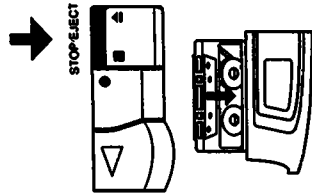


From built-in microphone (MIC)

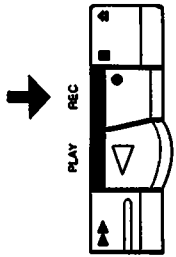


FUNCTION

2 Insert a blank cassette.

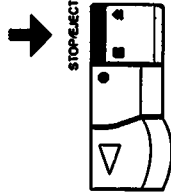


3 Press ● REC.



▶ PLAY is pressed automatically.

To stop recording



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

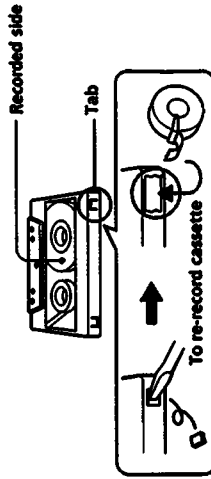
No volume and tone adjustments are necessary

Recording level is automatically set. Volume and tone adjustments will not affect recording level.

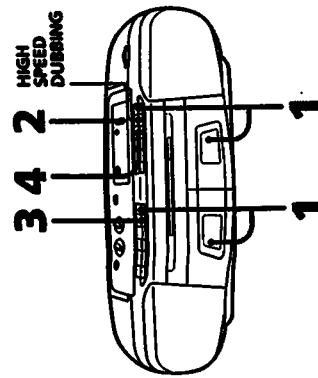
While recording from the built-in microphone
You cannot monitor the sound through the headphones.

To prevent accidental erasure

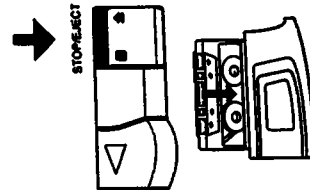
Break off the tab corresponding to the side which has been recorded. Recording on that side will be protected.



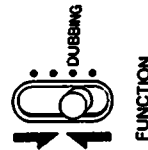
Tape Dubbing (deck A to deck B) Use only TYPE I (normal) tapes for dubbing.



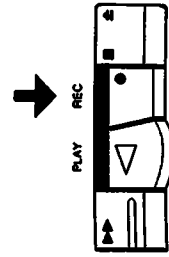
1 Insert recorded tape in A, blank tape in B.



2 Set to DUBBING.

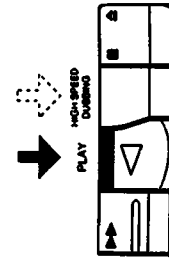


3 Press ● REC on deck B.



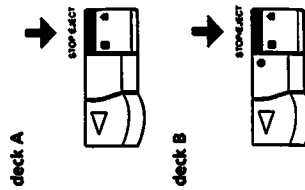
Player will stand by.

4 Press ◀ PLAY on deck A.



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

To stop dubbing



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.

Troubleshooting Guide

The player 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.

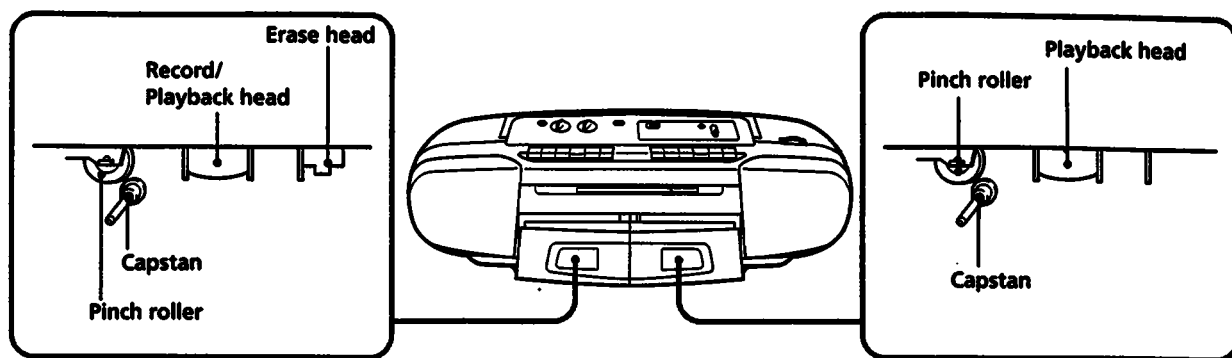
- || PAUSE is depressed.

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

AUDIO POWER 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.

Other specifications

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	Two way 10 cm (4 inches) dia. full range × 2 2 cm (13/16 inches) dia. tweeter × 2
Output	Headphones jack (stereo minijack) for 16–68 ohm impedance headphones
Power output (except for USA)	2.3 W + 2.3 W (at 3.2 ohms, 10 % harmonic distortion in 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 (R 20) 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. 560 × 157.5 × 156 mm (w/h/d) (22 1/8 × 6 1/4 × 6 1/4 inches) incl. projecting parts and controls, not incl. handle
Mass	Approx. 3.3 kg (7 lb 4 oz) incl. batteries
Accessory supplied	AC power cord (1)
Optional accessories	Sony "MDR" headphone series

Design and specifications subject to change without notice.