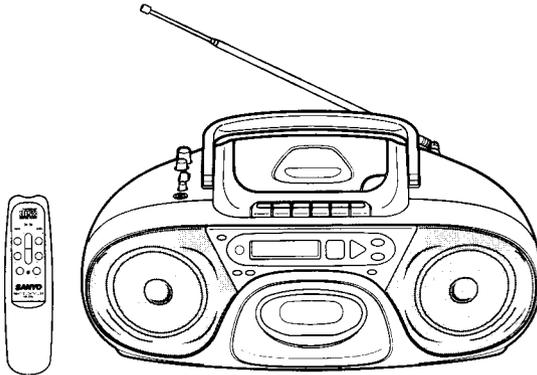


SANYO

INSTRUCTION MANUAL

MCD-Z260F

CD Radio Cassette Recorder



ENGLISH

5- 11

ESPAÑOL

12 - 18

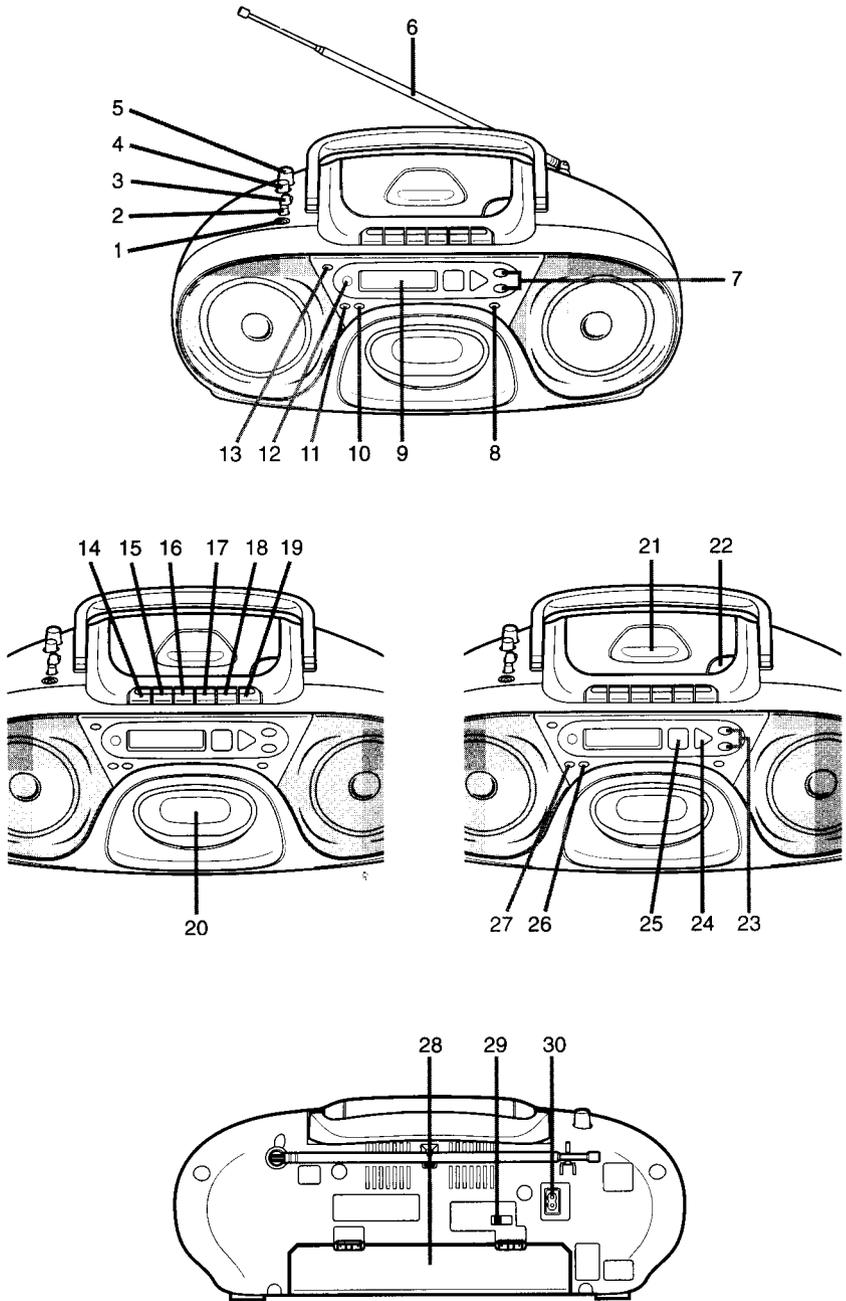


Fig. 1

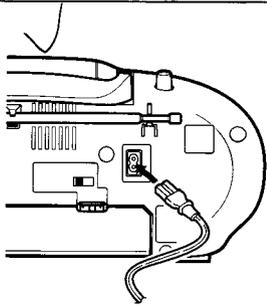


Fig. 2

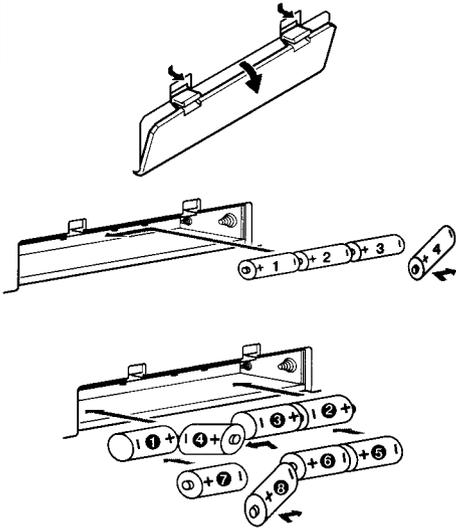


Fig. 3

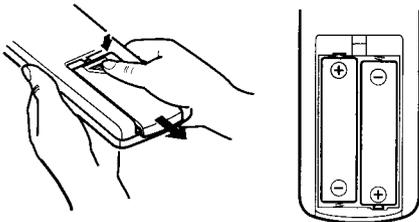
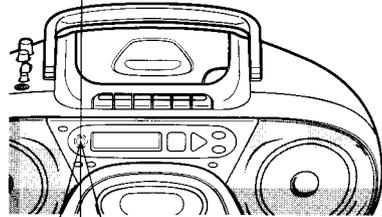


Fig. 4

Remote control sensor window
Ventanilla del sensor del mando a distancia



Within approx. 7 meters
Dentro de aproximadamente 7 metros

15° 15°



Fig. 5

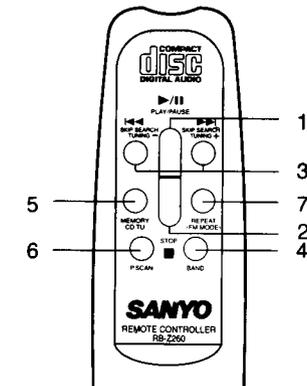


Fig. 6

COMPACT
disc
DIGITAL AUDIO

Fig. 7

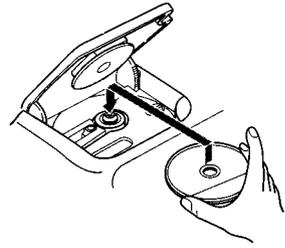


Fig. 8

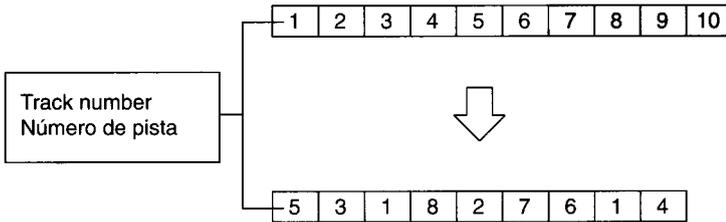


Fig. 9

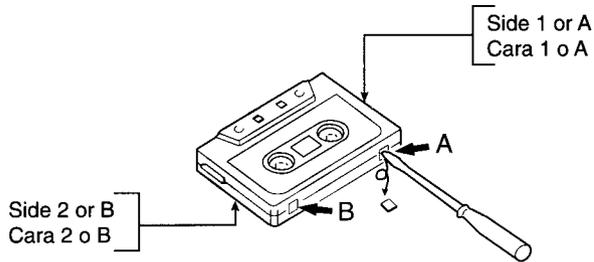


Fig. 10

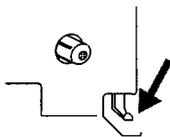


Fig. 11

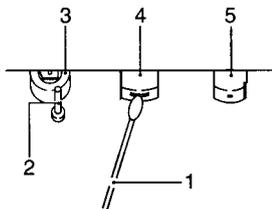


Fig. 12

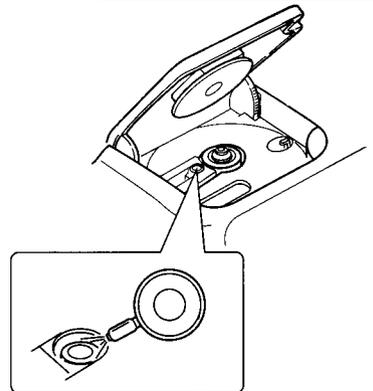


Fig. 13

CAUTION

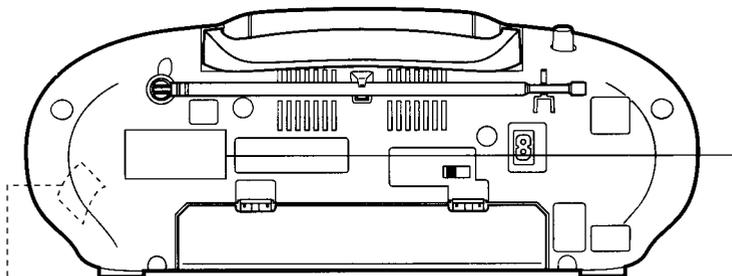
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED IN THE OPERATING INSTRUCTIONS MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

THE COMPACT DISC PLAYER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED PERSONNEL.

PRECAUCIÓN

EL USO DE CONTROLES O AJUSTES, O PROCEDIMIENTOS DE OPERACION DIFERENTES DE LOS ESPECIFICADOS EN ESTE DOCUMENT O RESULTARAN EN EXPOSICION PELIGROSA A LA RADIACION.

ESTA UNIDAD NO DEBERA SER AJUSTADA O REPARADA POR OTRO QUE NO SEA EL PERSONAL DE SERVICIO DEBIDAMENTE CALIFICADO.



CAUTION - INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.

ADVARSEL - USYNLIG LASER STRÅLNING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION, UNDGÅ UDSÆTTELSE FOR STRÅLNING.

VARNING - OSYNLIG LASER STRÅLNING NÅR DENNA DEL ÄR ÖPPNAD OCH SPÄRR ÄR URKOPPLAD. STRÅLEN ÄR FARLIG.

VORSICHT - UNSICHTBARE LASERSTRAHLUNG TRITTT AUS, WENN DECKEL GEÖFFNET UND WENN SICHERHEITSVERRIEGELUNG ÜBERBRÜCKT IST. NICHT, DEM STRAHL AUSSETZEN.

VARO! Avattaessa ja suojalukitus ohitettaessa olet allittina näkymättömälle lasersäteilylle. Älä katso äiteeseen.



CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

- The rating label is located on the bottom of the unit.
- La etiqueta de capacidad nominal se encuentra ubicada en la parte inferior de la unidad.

FOR SAFE AND EFFICIENT OPERATION

- Do not damage the mains lead.
- When not in use, disconnect the mains lead from the outlet.
Grasp the plug, not the mains lead, when disconnecting the unit.
- If water should enter the unit, electrical shock or malfunction may result. Use in an area where there is low humidity and little dust.
- Do not disassemble or alter the unit in any way.
- Do not use the unit in areas where extremes in temperature occur (below 5°C or exceeding 35°C), or where it may be exposed to *direct sunlight*.
- Because of the CD player's extremely low noise and wide dynamic range, there is a tendency to set the volume on the amplifier higher than necessary. Doing so may produce an excessively high output from the amplifier which can cause damage to your speakers. Please be careful in this regard.
- Sudden changes in the surrounding temperature can cause dew to form on the optical pickup lens inside the unit. Under this condition the unit may be *unable to operate properly*. If this should occur, remove the disc and allow the player to adjust to the surrounding temperature.
- This unit must be operated in a horizontal position.

- Do not install this equipment in a confined space, such as a book case or built in cabinet.
- The apparatus shall not be exposed to dripping or splashing.

CONTROLS (Fig. 1)

Radio/General section

1. Stereo headphones socket [PHONES]
2. Bass expander button [BASSXPANDER]
3. Function switch [FUNCTION]
4. Tone control [TONE]
5. Volume control [VOLUME]
6. Telescopic aerial
7. Tuning buttons [TUNING]
8. Preset scan button [P.SCAN]
9. Display [DIGITAL TUNING]
10. FM mode button [FM MODE]
11. Memory button [MEMORY]
12. Remote sensor [IR]
13. Radio band button [BAND]

Deck section

14. Pause button [PAUSE]
15. Stop/Eject button [STOP/EJECT]
16. Fast forward button [FFWD]
17. Rewind button [REW]
18. Play button [PLAY]
19. Record button [REC]
20. Cassette holder

CD player section

21. CD compartment lid
22. CD lid opening button [CD OPEN]
23. Skip/Search buttons [SKIP/SEARCH]
24. Play/Pause button [PLAY/PAUSE]
25. Stop/Clear button [STOP/CLEAR]
26. Repeat button [REPEAT]
27. Memory button [MEMORY]
28. Battery compartment lid
29. Beat cancel switch [BEAT CANCEL]
30. AC input socket [AC INPUT]

POWER SUPPLY

AC POWER OPERATION

Connect one end of the mains lead to the [AC INPUT] socket (Fig. 2) on the unit and the other end to the AC outlet.

NOTES:

- When the mains lead is connected to the unit, the installed batteries will be automatically disconnected.
- The FUNCTION switch is mounted on the secondary side. The unit is not disconnected from mains, even switched off.

BATTERY POWER OPERATION (Fig. 3)

1. Open the battery compartment lid by pushing down on the tabs.
2. Install 8 "C" and 4 "AA" size batteries (not supplied). Refer to the polarity diagram on the back of the unit. Match the (+) and (-) marks on the diagram to the (+) and (-) marks on the batteries.

IMPORTANT NOTES:

Tuner memory back-up batteries

- If 4 "AA" cell batteries are installed, the Tuner memory contents have been set will be retained even if the power should fail or the C batteries should run down.
 - When the mains lead is kept plugged into the outlet (energized state), the consumption of the memory back-up battery power can be reduced.
3. Replace the lid.

CAUTION:

WHEN INSTALLING BATTERIES

To prevent battery electrolyte leakage, which may result in injury and damage to the unit or other objects, observe the following precautions:

1. All batteries must be installed with the proper polarity (see diagram on the back of the unit).
2. Do not mix new with old or used batteries.
3. Only use batteries of the same type and brand.
4. Remove the batteries when they are not to be used for a long period time.

CD PLAYER/RADIO REMOTE CONTROL

BATTERY INSTALLATION (Fig. 4)

1. Open the battery compartment lid.
2. Install 2 "AA" size batteries (not supplied) exactly as shown in the battery compartment.
3. Close the lid.

Remote control range (Fig. 5)

CONTROLS (Fig. 6)

NOTE:

The buttons on the remote control perform similar functions to similarly marked buttons on the unit.

1. ► **PLAY/ II PAUSE**: Play/Pause button
2. ■ **STOP**: Stop button
3. ◀◀ **SKIP/SEARCH** ▶▶, - **TUNING +**: CD Skip/Search and Radio Tuning buttons
4. **BAND**: Radio band button
5. **MEMORY (CD/TU)**: CD/Tuner memory button
6. **P.SCAN**: Preset scan button
7. **(FM MODE) REPEAT**: FM mode/CD repeat button

COMMON OPERATION

Adjusting the volume

Turn [VOLUME].

Adjusting the tone

Turn [TONE].

Bass expander system

Press [BASSXPANDER] to ON to enhance the bass sound.

Stereo headphones socket

Insert the miniplug from a pair of headphones (not supplied) into the [PHONES] socket. When the headphones are plugged in, speakers are automatically disconnected.

CD PLAY

- Both 8 cm and 12 cm discs can be played in this unit.
NOTE:
Place only one disc at a time in the CD compartment.
- Only disc bearing the logo in Fig. 7 can be played in this unit.

Handling compact discs

- Always place the compact disc in the CD compartment with the label facing upward. Compact discs can be played on only one side.
- Fingerprints and dust should be carefully wiped off the disc's signal surface (opposite the labeled side) with a soft cloth. Gently wipe in a straight motion from the inside to the outside of the disc.
- Discs should be returned to their cases after used to avoid serious scratches that could cause the player to skip.
- Do not expose a disc to direct sunlight, high humidity, or high temperatures for extended periods of time to prevent warping the disc.
- Do not stick paper or write anything with a ballpoint pen on a disc.
- Do not use cleaners or antistatic sprays on discs, like those used for phonograph records.

LOADING A DISC

1. Set [FUNCTION] to CD.
"Cd" appears.
2. Press [CD OPEN]. The lid will open.
3. Place a disc carefully on the turntable in the CD compartment, with the label side facing up (Fig. 8).
4. Push [PUSH TO CLOSE] on the lid to close it. The display will show the total number (Max. 99) of tracks on disc.

NOTES:

- If a disc is loaded upside down, or if no disc is loaded, the CD player will not operate.
- During CD play, do not open the CD compartment lid. Always press [STOP/CLEAR] and wait for the disc to stop rotating before opening the CD compartment lid.

NORMAL PLAY

1. Press [PLAY/PAUSE]. Play will begin with track number 1.
The following information is displayed:
 - The current track number
 - Play indicator (▶)NOTE:
To start play from the desired track, select the track by using [SKIP/SEARCH] ◀◀ or ▶▶, then press [PLAY/PAUSE].
2. Adjust [VOLUME], [TONE] and [BASSXPANDER] as desired.
3. Press [STOP/CLEAR] to stop play at any time. When the last track has played, the CD player will automatically stop.

Temporarily stopping play

Press [PLAY/PAUSE] during play. "▶" blinks. To resume play, press [PLAY/PAUSE] again.

Track skip

Press and release [SKIP/SEARCH] ◀◀ or ▶▶ repeatedly during play to quickly locate the beginning of a track.

The display will show the number of the selected track. Play will continue from the beginning of the new track.

Search (forward/reverse)

If [SKIP/SEARCH] ◀◀ or ▶▶ is pressed during play, the CD player will search at high speed in the forward or reverse direction while the button is being pressed. When the button is released, normal play will continue.

Repeat play

This function allows all the tracks on a disc or the programmed tracks only to be played repeatedly. Press [REPEAT/FM MODE] before play or during play. "REP" appears.

To cancel the repeat play function, press [REPEAT/FM MODE] again.

PROGRAMMED PLAY

With programmed play, up to 16 tracks on a disc can be memorized and played in any order.

In this example, tracks 1 - 8 on a 10-track disc are entered into the unit's program memory, for play in the order shown in Fig. 9.

Example program

1. Press [STOP/CLEAR].
2. Press [MEMORY]. "PRG" blinks.
3. Press [SKIP/SEARCH] ◀◀ or ▶▶ until "Cd 5" appears.
4. Press [MEMORY]. "Cd 5" and "PRG" remain lit.
5. Repeat steps 3 - 4 to memorize tracks 3, 1, 8, 2, 7, 6, 1 and 4.

NOTE:

A track number can be entered more than once.

6. Checking the program
After the last track number has been entered, press [MEMORY] to view the memorized track numbers, in the order they were entered and last display will display "Cd 0".
7. Press [PLAY/PAUSE]. Programmed play will begin with the first programmed track. When all programmed selections have played, the CD player stops automatically.
 - The program contents are retained in memory.

NOTE:

If you want to add a program number, select the track number, and press [MEMORY]. It is not possible to change a programmed entry, or to add an entry between the programmed selections.

Ending programmed play

Press [STOP/CLEAR] twice (during programmed play), or once (during the stop mode), to clear the program memory.

IMPORTANT NOTE

If an abnormal display or an operating problem occurs, disconnect the mains lead and remove all batteries. Wait at least 90 seconds, then reconnect the mains lead and reinstall the batteries.

LISTENING TO THE RADIO

When the unit is shipped from the factory, its AM frequency band is set as "522 - 1611 kHz (in 9 kHz steps)".

If your local AM broadcast system is organized in 10 kHz steps, change the frequency band to "520 - 1710 kHz (in 10 kHz steps)" as follows.

1. Press [BAND] to select "AM".
2. Set [FUNCTION] to TAPE(OFF).
3. Press and hold down [BAND], while set [FUNCTION] to RADIO.

To return the original setting, repeat steps above.

UP/DOWN TUNING

1. Set [FUNCTION] to RADIO.
2. Press [BAND] to select the desired band (FM or AM).

Automatic tuning

3. Press and hold down [TUNING] + or - for at least 1 second.
The unit will scan up or down the band and receive the next receivable station.
Press [TUNING] + or - again to continue.

Manual tuning

3. Press and release [TUNING] + or - repeatedly until the desired station frequency appears on the display.
4. Adjust [VOLUME], [TONE] and [BASSXPANDER] as desired.

Aerials

For FM reception, pull out the telescoping aerial and determine the direction, length and angle for optimum reception.

For AM reception, the aerial inside the unit is somewhat directional, so reception from distant stations may sometimes be improved by rotating the unit.

When beat is heard

Beat (a high-pitched noise) may sometimes be heard during radio reception.

If this occurs,

1. Press [MEMORY]. "PRG" blinks.
2. While "PRG" is blinking, press [STOP/CLEAR]. "PRG" disappears.

TURNING TO FM STEREO STATIONS

To receive an FM stereo broadcast, make sure that "MONO" is not displayed. If "MONO" appears, press [REPEAT/FM MODE] to turn "MONO" off. "ST" appears when an FM stereo broadcast is received.

If the signal from an FM stereo station is weak and reception is poor, press [REPEAT/FM MODE] to change to monaural reception. "MONO" appears. The sound will be monaural.

PROGRAMMED TUNING

If a station frequency is stored in the memory, it can easily be recalled using [P.SCAN].

Up to 6 stations each can be programmed in the FM and AM bands.

Programming stations

1. Tune in the station to be preset as described in "UP/DOWN TUNING".
2. Press [MEMORY]. "PRG" blinks.
3. While "PRG" is blinking, press [P.SCAN] to select the channel number (1~6) to be preset.
4. While "PRG" is blinking, press [MEMORY].
5. Repeat the steps above to add more programming stations.

NOTE:

Whenever a new station is programmed, the previous programming will be canceled.

TUNING IN TO PROGRAMMED STATIONS

Preset scan tuning

1. Press [BAND] to select the desired band.
2. Press and hold down [P.SCAN] for at least 1 second. "PS" blinks.
The programmed stations are tuned in to successively for about 5 seconds each.
3. If [P.SCAN] is pressed within about 5 seconds when a desired station has been tuned in to, that station will stay tuned in to.

Alternate tuning method

1. Press [BAND] to select the desired band.
2. Press [P.SCAN] to display the number of the preset of your choice.
 - Tap [P.SCAN] lightly.

LISTENING TO TAPE

NOTES:

- Do not use the endless tape.
- Use the normal tape (TYPE I).

PLAYBACK

1. Set [FUNCTION] to TAPE.
2. Press [STOP/EJECT].
The cassette holder opens.
3. Load the cassette into the cassette holder.
4. Close the cassette holder.
5. Press [PLAY].
6. Adjust [VOLUME], [TONE] and [BASSXPANDER] as desired.
7. Press [STOP/EJECT] to stop playback at any time. When the end of the tape has been reached, automatic stop will be activated.

Pause

Press [PAUSE] to temporarily stop the tape during playback or recording. Press it again to continue.

Fast Forward and Rewind

Press [FFWD] or [REW] to quickly wind the tape forward or backward. Press [STOP/EJECT] to stop the tape.

When the end of the tape is reached, the tape will stop, and [FFWD] or [REW] will be automatically released.

Full automatic stop

This unit has a full-release stop system, to protect the tape and prevent pinch roller damage. When the end of the tape is reached in Playback, Recording, Fast forward or Rewind, the tape mechanism will automatically stop.

BEFORE RECORDING

WARNING

UNAUTHORIZED RECORDING OF COPYRIGHTED MATERIAL MAY VIOLATE APPLICABLE COPYRIGHT LAWS. SANYO ASSUMES NO RESPONSIBILITY FOR UNAUTHORIZED DUPLICATION, USE OR OTHER ACTS WHICH INFRINGE UPON THE RIGHTS OF COPYRIGHT OWNERS.

PREVENTION OF ACCIDENTAL ERASURE

Accidental erasure of important recordings can be prevented by breaking out the tabs at the back of the cassette tape. (Fig. 10)

Break out tab A for side 1 or side A.

Break out tab B for side 2 or side B.

If a tab has been broken out in error and the tape is to be used for another recording, simply adhere some cellophane tape over the tab hole and the tape can be rerecorded.

RECORDING

Automatic level control (ALC) recording

The ALC circuit adjusts the recording input level automatically. No adjustments are required.

Preparation

Press [STOP/EJECT] and insert a blank cassette into the cassette holder.

A) Recording from a compact disc

Synchronous recording

(CD-TO-TAPE SYNCHRO DUBBING)

This recording system starts disc play and cassette recording at the same time.

Recording from Track Number 1

1. Set [FUNCTION] to CD.
2. Load the disc. See "LOADING A DISC".
3. Press [REC]. [PLAY] will lock down at the same time. CD recording starts.
4. Press [STOP/EJECT] to stop recording at any time. When the end of the tape is reached, the disc play and tape recording will automatically stop at the same time.

Recording programmed tracks

1. Program the material in advance. See "PROGRAMMED PLAY".
2. Press [REC]. [PLAY] will lock down at the same time. CD recording starts from the first programmed track.

Recording from playing track

When you want to record music as you listen, press [REC]. Recording automatically starts from the beginning of the track.

B) Recording from the built-in radio

1. Set [FUNCTION] to RADIO.
2. Tune in a desired station. See "LISTENING TO THE RADIO".
3. Press [REC]. [PLAY] will lock down at the same time. Radio recording starts.
4. Press [STOP/EJECT] to stop recording at any time. When the end of the tape is reached, the tape will automatically stop.

Beat cancel switch (BEAT CANCEL)

When recording a radio program, an irritating "whistling" sound may sometimes be heard. If this occurs, select position 1, 2 or 3. Leave the switch in the position that gives the best results.

MAINTENANCE

Cleaning the unit

Do not use volatile chemicals on this unit (insecticides, etc.). Clean by lightly wiping with a soft cloth.

Cleaning the tape heads

For continued high performance from the cassette section, periodically clean the heads, pinch roller and capstan whenever an accumulation of dust and red-brown oxide particles is noticed.

1. Press [STOP/EJECT] to open the cassette holder.
2. Press [REC] while pushing in the lever as illustration. (Fig. 11)
3. Carefully rub each head (4, 5), pinch roller (3) and capstan (2) with a cotton swab (1) moistened with isopropyl alcohol or special head-cleaning fluid. (Fig. 12)

Cleaning the CD player lens (Fig. 13)

If dust is on the lens, blow the dust away by using a blower. (Please consult your dealer.)

The lens should never be touched. However, if a fingerprint does get the lens, wipe it gently by using a cotton swab moistened with isopropyl alcohol. (Please consult your dealer.)

CAUTION:

Do not apply excessive pressure; you might damage the lens.

Apply alcohol sparingly. Only a small amount is needed. Use of too much alcohol may cause some to enter the unit, which may cause damage.

SPECIFICATIONS

(Cassette Section)

Recording system:
AC bias, 4 track stereo
Erasing system:
Magnet erase
Tape speed:
4.75 cm/sec.
Fast forward and rewind time:
110 sec. (C-60 tape)
Frequency response:
80 - 12,000 Hz (normal tape)

(CD Section)

Channels:
2 channels
S/N ratio:
70 dB
Wow & Flutter:
undetectable
Sampling frequency:
44.1 kHz
Quantization:
16 bits linear/ch
Pick up light source:
Semi-conductor laser
Pick up wave length:
790 nm
Laser output:
Continuous wave max. 0.6mW

(Radio Section)

Tuning ranges:
FM: 87.5 - 108 MHz
AM: 522 - 1,611 kHz (9 kHz STEPS)
AM: 520 - 1710 kHz (10 kHz STEPS)
Aerials:
Built-in ferrite bar and telescopic rod
aerials

(General)

Power output:
2.5 W/ch (DC max.)
65 W (P.M.P.O.)
Speaker:
10 cm x 2, 8ohms
Terminal impedance:
PHONES: 32ohms
Power source:
AC: 230 - 240 V, 50 Hz
DC: 12 V, (8 "C" size batteries)
Tuner memory back-up batteries:
DC 6 V, 4 "AA" size batteries (not supplied)
Remote control unit:
DC 3 V, 2 "AA" batteries (not supplied)
Dimensions:
412 x 158 x 239 mm (W x H x D)
Weight (approx.):
2.8 kg (without batteries)

Specifications subject to change without notice.

SANYO

SANYO Electric Co., Ltd.
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