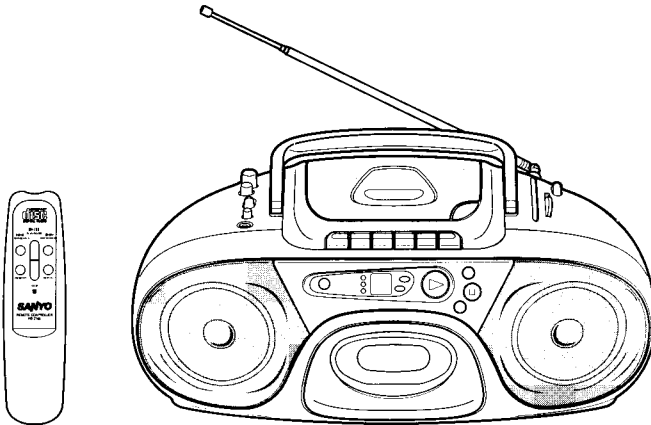


SANYO

INSTRUCTION MANUAL

MCD-Z165F

CD Radio Cassette Recorder



ENGLISH

5-9

ESPAÑOL

10-14

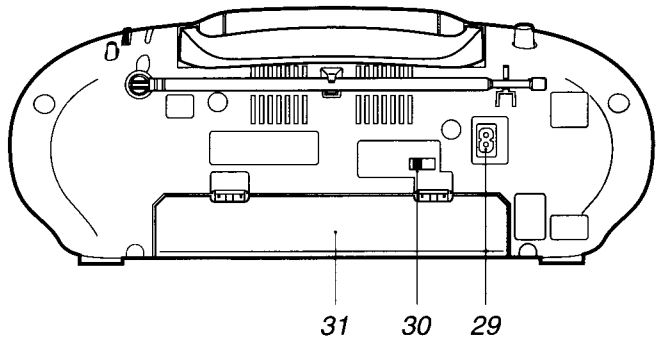
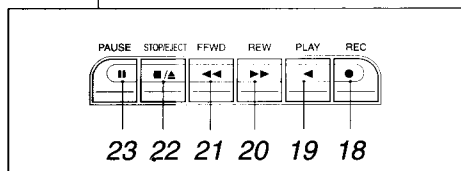
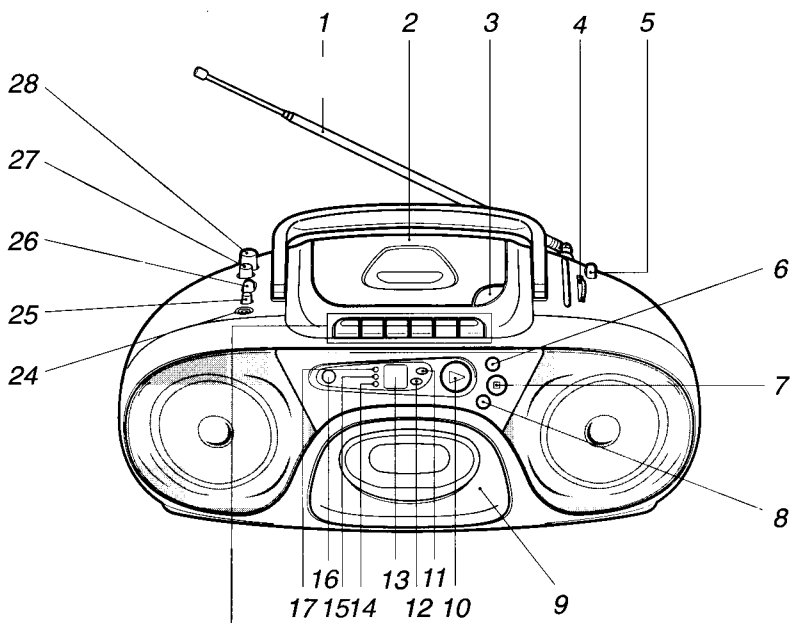


Fig.1

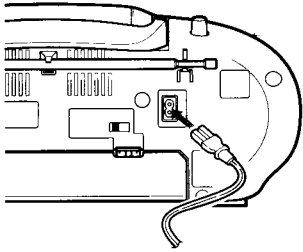
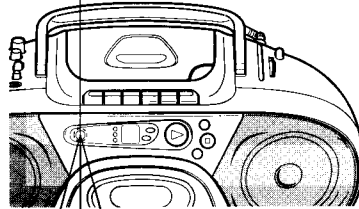


Fig.2

Remote control sensor window
Ventanilla del sensor del mando a distancia



Within approx. 7 meters
Dentro de aproximadamente 7 metros

15° 15°



Fig.5

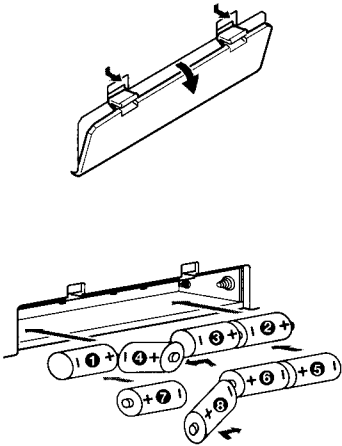


Fig.3

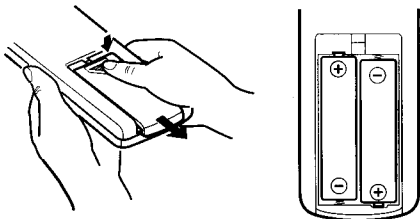


Fig.4

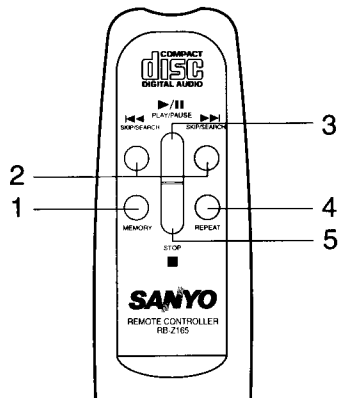


Fig.6

COMPACT
disc
DIGITAL AUDIO

Fig.7

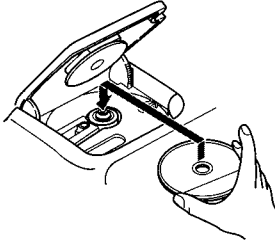


Fig.8

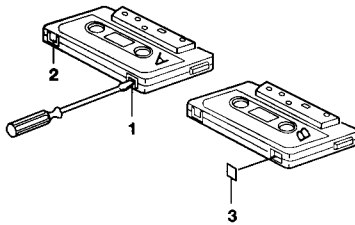


Fig.9

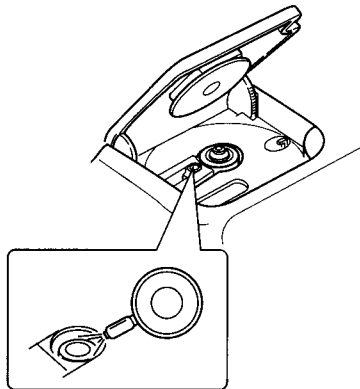
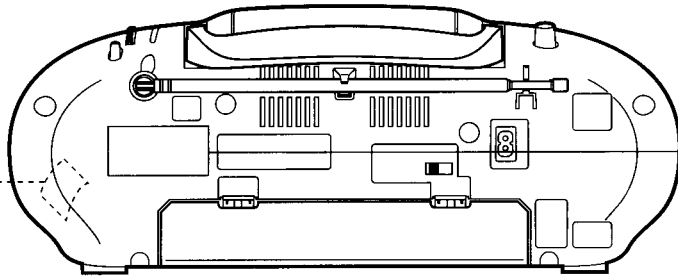


Fig.10



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

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

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

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

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



**CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT**

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 DOCUMENTO RESULT TARAN 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.

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

FOR SAFE AND EFFICIENT OPERATION

- The apparatus shall not be exposed to dripping or splashing.
- Do not use where there are extremes of temperature (below 5°C or exceeding 35°C) or where direct sunlight may strike it.
- Because of the CD player's extremely low noise and wide dynamic range, there might be a tendency to set the volume on the amplifier unnecessarily high. Doing so may produce an excessively large output from the amplifier which could damage your speakers.
- Sudden changes in the ambient temperature, may cause condensation to form on the optical lens inside the unit. If this happens, take out the disc, leave the unit for about 1 hour, and then proceed to operate.

- Do not install this equipment in a confined space, such as a book case or built in cabinet.
- The rating label is located on the bottom of the unit.

CONTROLS (Fig. 1)

1. Telescopic aerial
2. CD compartment lid
3. CD lid opening button (CD OPEN)
4. Tuning control (TUNING)
5. Radio band switch (BAND)
6. Skip/Search button (▶|SKIP/SEARCH)
7. Stop/Clear button (STOP/CLEAR)
8. Skip/Search button (SKIP/SEARCH|◀◀)
9. Cassette holder
10. Play/Pause button (PLAY/PAUSE)
11. Repeat button (REPEAT)
12. Memory button (MEMORY)
13. CD track number display (CD TRACK NO.)
14. Memory indicator (MEMORY)
15. Repeat indicator (REPEAT)
16. Remote control sensor (IR)
17. CD play indicator (CD PLAY)
18. Record button (REC)
19. Play button (PLAY)
20. Rewind button (REW)
21. Fast forward button (FFWD)
22. Stop/Eject button (STOP/EJECT)
23. Pause button (PAUSE)
24. Headphones socket (PHONES)
25. Bass expander button (BASSXPANDER)
26. Function switch (FUNCTION)
27. Tone control (TONE)
28. Volume control (VOLUME)

29. AC input socket (AC INPUT)
30. Beat cancel switch (BEAT CANCEL)
31. Battery compartment lid

POWER SUPPLY

AC power operation

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

NOTES:

- The installed batteries are automatically disconnected when the mains lead is connected to the unit.
- 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" 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.
3. Replace the lid.

CAUTION:

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 diagramme on the rear 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 button on the remote control perform similar functions to similarly marked buttons on the front panel.

1. Memory button (MEMORY)
2. Skip/Search buttons (SKIP/SEARCH)
3. Play/Pause button (PLAY/PAUSE)
4. Repeat button (REPEAT)
5. Stop/Clear button (STOP)

GENERAL OPERATION

Adjusting the volume

Turn the VOLUME control

Adjusting the tone

Turn the TONE control.

Bass expander button

Press the BASSXPANDER button to ON to enhance the bass sound.

Headphones

Connect stereo headphones (not supplied) to the PHONES socket for monitoring or for private listening. The speakers are automatically disconnected when headphones are connected.

CD PLAY (Fig.7)

Use compact disc bearing the symbol shown Fig.7. In addition to conventional 12 cm CDs, this system can be used to play 8 cm CDs without an adapter.

LOADING A DISC

1. Set the FUNCTION switch to CD.
2. Press the CD OPEN button. The lid opens.
3. Place the disc with the label facing up on the turntable Fig.8 (Place only one disc at a time).
4. Press the PUSH TO CLOSE portion on the lid to close it. The total number of tracks (max.19) on the disc appears on the CD TRACK NO. display. (If the disc has more than 19 tracks, "0" blinks).
5. Press the PLAY/PAUSE button. The CD PLAY indicator lights and the current track number appears. Play starts from the first track.
 - To start play from the desired track, select the track by using the SKIP/SEARCH buttons, then press the PLAY/PAUSE button.

Notes:

If a disc is loaded upside down, or if no disc is loaded, the CD player will not operate.

6. Press the STOP/CLEAR button to end disc play at any time.
When the last track has been played, the player stops automatically.
7. To turn the CD player off, set the FUNCTION switch to TAPE/OFF.

Note:

Do not open the CD compartment lid during CD play. Always press the STOP/CLEAR button and wait for the disc to stop rotating before opening the CD compartment lid.

Notes on handling compact disc

- Do not expose a disc to direct sunlight, high humidity, or high temperature for extended periods of time.
- Discs should be returned to their cases after use.
- Do not apply paper or white anything on the disc surface.
- Handle the disc by its edge. Do not touch the playing surface (glossy side).
- Fingerprints and dust should be carefully wiped off the playing surface of the disc with a soft cloth.
Wipe in a straight motion from the centre to the outside of the disc.
- Never use chemicals such as record cleaning to sprays, antistatic sprays or fluids, benzene or thinner to clean compact disc.

Temporarily stopping play

Press the PLAY/PAUSE button during play the CD PLAY indicator blinks. To resume play, press the button again.

Skip play

To skip to track 6 while track 3 is playing, press the ►► SKIP/SEARCH button repeatedly until "6" appears on the display.

To skip back to track 3 while track 6 is playing, press the ◄◄ SKIP/SEARCH button repeatedly until "3" appears.

Search (forward/reverse)

If the ►► for ◄◄ SKIP/SEARCH button is pressed during play, the 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

Before or during play, press the REPEAT button repeatedly to select the desired repeat mode in the following sequence:

The REPEAT indicator blinks: Repeat one track.

The REPEAT indicator light: Repeat all tracks.

The REPEAT indicator goes out: Normal play mode

PROGRAMMED PLAY (Fig. 9)

Up to 16 tracks on a disc can be programmed for play in any order.

- To begin on the programming procedure, select "CD" function first.
- The same track can be programmed more than once.
- Load a disc that you want to programme before starting programmed play.

Example:

To programme of tracks 6 and 2.

1. Press the STOP/CLEAR button.
2. Press the MEMORY button, "Pr" blinks on the display and the MEMORY indicator blinks.
3. Select track 6 by pressing the ►► SKIP/SEARCH button. "6" blinks on the display.
4. Press the MEMORY "6" remains lit.
5. Select track 2 by pressing the ◄◄ SKIP/SEARCH button.
6. Press the MEMORY button.
7. Press the PLAY/PAUSE button to start programmed play.
When all programmed tracks have been played, the player stops automatically.
 - The programme contents are retained in memory.

To cancel programmed play, press the STOP/CLEAR button twice.

Checking the programme

The MEMORY button is pressed in stop mode, the programmed tracks sequentially appear on the display.

WHAT TO DO IF...

If an abnormal display indication 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. resume the operation.

LISTENING TO THE RADIO

1. Set the FUNCTION switch to RADIO.
2. Select the desired radio band with the BAND switch.
3. Tune in a desired station by turning the TUNING control. The unit will automatically switch to stereo when an FM stereo broadcast is received.
4. To turn the radio off, set the FUNCTION switch to TAPE/OFF.

Aerials

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

For AM reception, the aerial inside the unit is somewhat directional, rotates the unit to improve AM reception.

LISTENING TO TAPES

1. Set the FUNCTION switch to TAPE.
2. Press the STOP/EJECT button. The cassette holder opens.
3. Load the cassette into the cassette holder.
4. Press the PLAY button to begin playback.
5. Press the STOP/EJECT button to stop playback at any time. Press it again to remove the cassette.

When the end of the tape has been reached, automatic stop will be activated.

Note:

- Use the normal tape (TYPE 1).
- Endless tapes cannot be used.
- Do not use C-120 tapes. They may jam in the mechanism.

Pausa

Press the PAUSE button to temporarily stop playback or recording. Press it again to resume operation.

Fast forward and rewind

Press the FFWD or REW button.

When the tapes has been wound to the end, the deck stops automatically.

RECORDING

Recording copyright material without permission of the copyright owners is usually an infringement. If you wish to re-record copyright material, permission from the copyright owners is necessary. SANYO does not approve of, and cannot be held responsible for, any unlawful use of this machine.

Recording compact disc

(Synchronous recording)

1. Load a blank cassette.
2. Select "CD" function.
3. Load the disc to be recorded.
 - Select the track number if required.
 - For programmed recording, programme the material in advance (as described under "PROGRAMMED PLAY")
4. Press the REC button. The PLAY button is engaged simultaneously and CD recording starts.
 - When you want to record music as you listen, press the REC button. Recording starts automatically from the beginning of the track.
5. Press the STOP/EJECT button to stop recording.

When the end of the tape is reached, the CD player and deck stop automatically.

Recording from the radio

1. Load a blank cassette.
2. Tune in the radio station to be recorded.
3. Press the REC button to start recording.
4. Press the STOP/EJECT button to stop recording.

When beat interference is heard

A high-pitched noise called "beat" is sometimes heard during the recording of radio broadcasts. In cases like this, set the BEAT CANCEL switch to the position that reduces the level of the beat noise.

Safeguards against accidental erasure

(Fig. 9)

To protect side A, break out tab (1). To protect side B break out tab (2).

A cassette with the erase guard tabs removed cannot be used for recording and the REC button cannot be depressed. To record a protected cassette, cover the tab openings with adhesive tape (3).

MAINTENANCE

Cleaning the unit

Clean the outside of the unit with a clean soft cloth, moistened with lukewarm water. Do not use solvents such as benzene or thinner. These will permanently damage the units finish.

Cleaning the tape heads

To ensure playback and recording with good quality sound, use a cleaning tape (available from your local audio dealer) to clean the head blocks of the deck after about every 10 hours of use.

Cleaning the CD player lens (Fig. 10)

The lens should never to be touched. If dust is on the lens, blow it off using a camera lens blower. (Consult your dealer).

SPECIFICATIONS

CD player section

Channels:
2-channels stereo

Sampling frequency:
44.1 kHz

Pick-up:
Semiconductor laser

Laser output:
0.6 mW (Continuous wave max.)

Wave length:
790 nm

Wow/flutter:
Below measurable limits

Radio section

Reception frequency:
FM: 87.5 - 108 MHz
AM: 526.5 - 1,606.5 kHz

Cassette deck section

Track system:
4-track, 2-channel stereo

Erasing system:
Magnet erase

Tape speed:
4.75 cm/sec.

Frequency response:
80 -12,000 Hz

Fast forward/rewind time:
Approx. 110 sec. (C-60)

General

Output power:
2.5W/ch (DC max.)

Speaker:
10 cm x 2, 8ohms

Terminal:
PHONES: 32 ohms

Power source:
AC: 230 - 240V, 50 Hz
DC: 12 V, 8 "C" size batteries

Dimensions:
412 (W) x 158 (H) x 239 (D) mm

Weight :
Approx. 3.2kg (including batteries)

Specifications subject to change without notice.

The SANYO logo is rendered in a bold, black, sans-serif font. The letter 'Y' is stylized with several vertical lines of varying lengths passing through it, creating a distinctive graphic element.