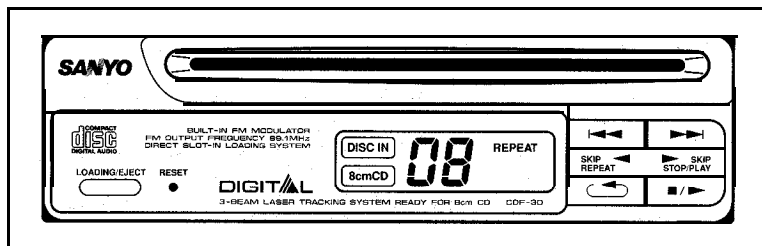


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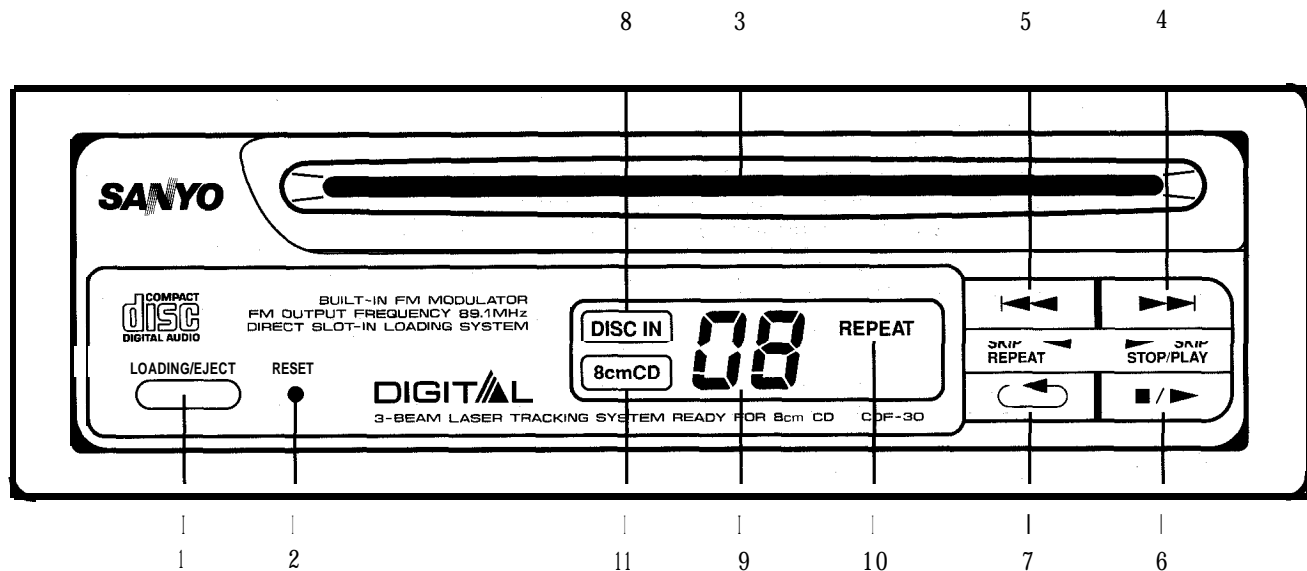
INSTRUCTION MANUAL



Car Compact Disc Player with Stereo FM Modulator

CDF-30

CDF-30



CDF30 : Car Compact Disc player with FM Stereo modulator, 8/12cm CD compatible, 3 beam laser, automatic loading and ejecting system.

PARTS AND CONTROLS

1. Loading/Eject button
2. Reset button
3. Disc Slot
4. Forward Skip button
5. Backward Skip button
6. Play/Stop button
7. Repeat button

Digital display

8. Disc set indicator (DISC IN)
9. Track number indicator
10. Repeat indicator (REPEAT)
11. 8 cm Disc indicator

OPERATIONS

How to playback CD - Normal playback

1. Turn on the power of your FM car radio or car stereo equipment with FM radio and set the radio frequency to 89.1 MHz. (it is recommended to set one preset button to FM 89.1 MHz.)

2. Adjust the volume and tone quality with the car radio controls
 3. Insert a compact disc into the Disc Slot (3) with the label surface facing up. Press the Loading/Eject button (1) to load the disc: playback starts at the beginning of the first track. The "DISC IN" indicator will appear and the track number will be displayed.
 4. After the whole disc has been played, the pickup will automatically return to the beginning of the disc and playback will start again.
 5. Press the Play/Stop button (6) to stop the playback.
 6. To take out the disc press the Loading/Eject button (1). The disc will come out automatically.
- NOTE: Repressing the Loading/Eject button, the disc is automatically loaded again and playback starts from the beginning of the last track listened to.

Notes

- Turning the car radio power off, automatically will be turned off the CD player.
- The disc can not be ejected while the power of the FM Radio is OFF.
- The CDF30 plays an 8cm CD just like a 12cm CD without an adapter. "8cm CD" is shown in display when an 8cm CD is used.

• As the CDF30 is designed to use the existing car FM radio or car stereo equipment with an FM radio, the playback tone quality depends on the performance of these sets.

To select a track

Use the skip button (4/5), to skip through the disc from one track to another. The track number will appear on the L.C.D.

1. Press the Forward skip button (>>4): on the L.C.D. appears the next track number. The unit will search the beginning of the next selection and start to play it. To search for the selections further ahead, press the **Skip button** until the desired track number is indicated on the Display.
2. Press the Backward skip button (<<<5): on the L.C.D. appears the number of the track being played. The beginning of the selection being played is searched for. To look for the selection further back, push Skip button until the desired track number is indicated on the Display.

Repeated playback

If you wish to repeat the playback of the track being played, push the Repeat button (7): REPEAT will appear on the display. To cancel the repeated playback, simply repress the Repeat button (7).

How to stop playing the CD and listen to the radio

1. Press the Stop/Play button (6) once. The track number will disappear and the radio mode is set. (DISC IN does not disappear).
2. Tune the radio to a desired station and receive a broadcast.
3. Change the radio station to FM 89.1 MHz to go back to playing a disc.
4. Press the Stop/Play button (6) again. The track number is displayed and the disc begins to be played.

Note: When a disc is replayed after being stopped, it will play from the beginning of the track played last.

Reset button function

Reset button (2) is placed on the front panel and must be activated with either a pen or thin metal object. The Reset button is to be activated for the following reasons:

1. Initial installation of the unit when all wiring is completed.
2. When CD player is not functioning properly and the unit is not accepting the disc.

The reset circuitry is provided to protect the unit's microprocessor and laser guidance system.

INSTALLATION

- When mounting the unit in your car, make sure the unit is level. If you can not mount the unit level due to your cars design, make sure there is no more than 30° tilt.
- In order to protect the disc player from shocks during shipping, a shipping screw is attached to the disc player. Remove the screw. The player can not play a disc with the screw in.

Installation with mounting kit

1. Insert mounting bracket into DIN-standard cutout 182 x 53mm in the dashboard or a console.
2. Bend the stoppers of the mounting bracket with a screwdriver, and secure the bracket firmly to the dashboard.
3. Fix the mounting bracket by using the mounting hardware supplied.
4. Insert the set into the mounting bracket until it locks.

CONNECTIONS

Wire colour code

RED: +12 V DC to fuse block.

BLACK: to chassis ground.

ANTENNA PLUG (female): to the car antenna.

ANTENNA JACK (male): to antenna input of your car radio.

CAUTION

- Be sure to use a 5amp fuse to replace when the fuse is blown.
- Connect the red power input lead only after all other leads have been connected.
- Be sure to connect the red power input lead to the continuous +12 V DC power terminal of the fuse block.
- After connection is completed, be sure to press the RESET button (2).

For safe and efficient operation

1. This player is only for use with 12V power. It cannot be used in 24V vehicles (trucks and buses)
2. When installing this player, avoid the following locations:

- Extremely hot places, such as those exposed to direct sunlight or hot air coming directly from a heater.

- Damp places or those where the player can get wet, such as places exposed to blowing rain.

- Dusty locations.

3. When cleaning out the car, be sure not to get any water on the player because it can be damaged.

4. Sometimes the player will not function properly in extreme heat or cold. In this case, wait until the temperature in the car is more normal, then use the player. Closed up cars in summer get very hot. If the temperature inside the car goes above its reference temperature, a protective circuit automatically stops the play and ejects the disc. In this case, open the window to cool off the car, then start up the player again.

5. Condensation

During cold weather, moisture drops sometimes form on the optical lens of the disc player after the heater is turned on. This is called condensation. On a rainy day or in a very damp area, moisture may condense on the laser lenses inside the unit. With this condensation on the lens, the disc player cannot read the disc and therefore cannot function properly. The time required depends on the surroundings, but

if you remove the disc from the player and wait for about an hour, the condensation will evaporate and the disc player will be able to function properly again.

6. Sound Skip

If you are driving on a rough road, sound may sometimes be skipped. It is inevitable and will not cause any damage, disc scratches etc.

7. Never put any other object in the insert slot for compact discs. The inside of the disc player is precision equipment that could be damaged by any foreign objects.

8. When not using the disc player, do not forget to remove the compact disc. Do not leave an ejected disc sitting on the edge of the disc player for a long time. This can expose the disc to direct sunlight and other causes of warping. Keep the discs in their cases away from direct sunlight.

9. To prevent accidents, keep the sound low enough to enable you to hear outside sound when driving.

10. Do not try to open the disc player nor to repair it. The inside of the disc player is precision equipment, so if there is any problem, bring it to the store where you purchased it for servicing.

11. Do not attempt to clean the unit with chemical solvents as this might damage the finish. Use a clean, dry cloth.

Handling the discs

Dirt, dust, scratches and deformation cause sound skips during playback and a deterioration of sound quality.

How to take care of your discs:

1. Use compact discs that have the mark shown on the left.

2. Fingerprints and dust should be carefully wiped off the disc's signal surface (glossy side) with a soft cloth. Unlike conventional records, the compact disc has no grooves to collect dust and microscopic debris, so gently wiping with a soft cloth should remove most particles. Wipe in a straight motion from the inside to the outside of the disc. Small dust particles or light stains will have absolutely no effect on reproduction quality.

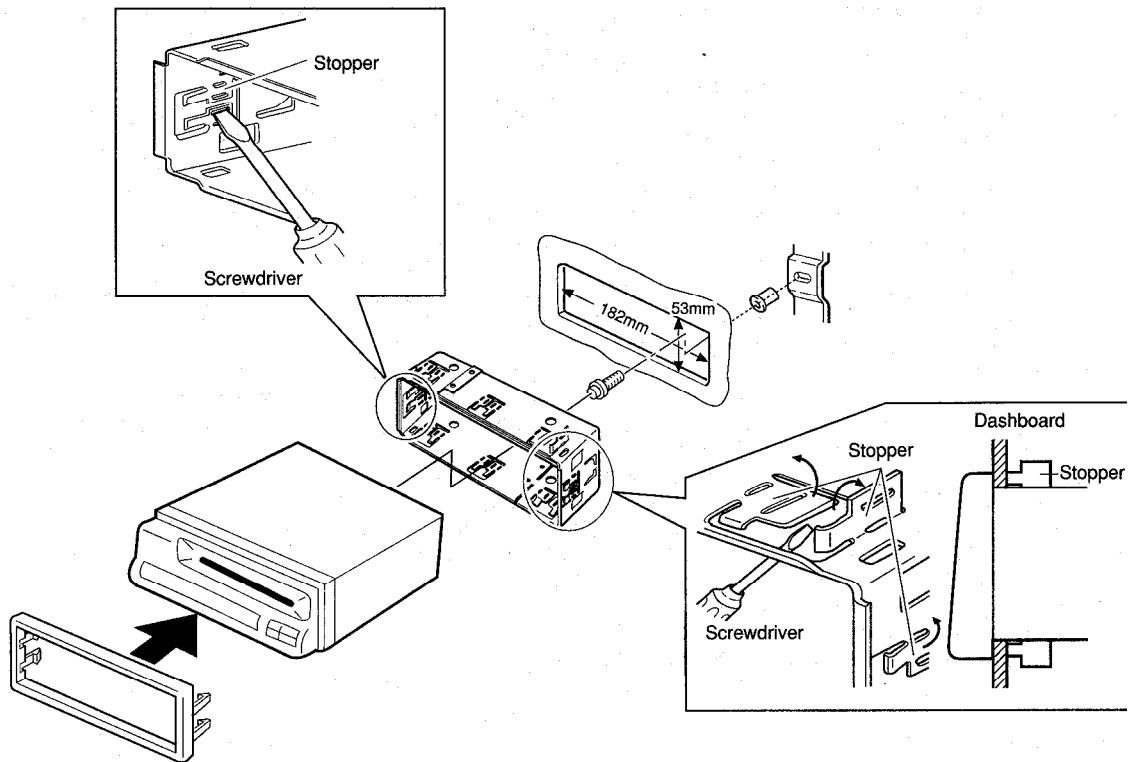
3. Never use such chemicals as record sprays, antistatic sprays or fluid, benzene or thinner to clean compact discs. Such chemicals would irreparably damage the disc's plastic surface.

4. Discs should be put back in their cases after use to avoid serious scratches that could cause sound skip.

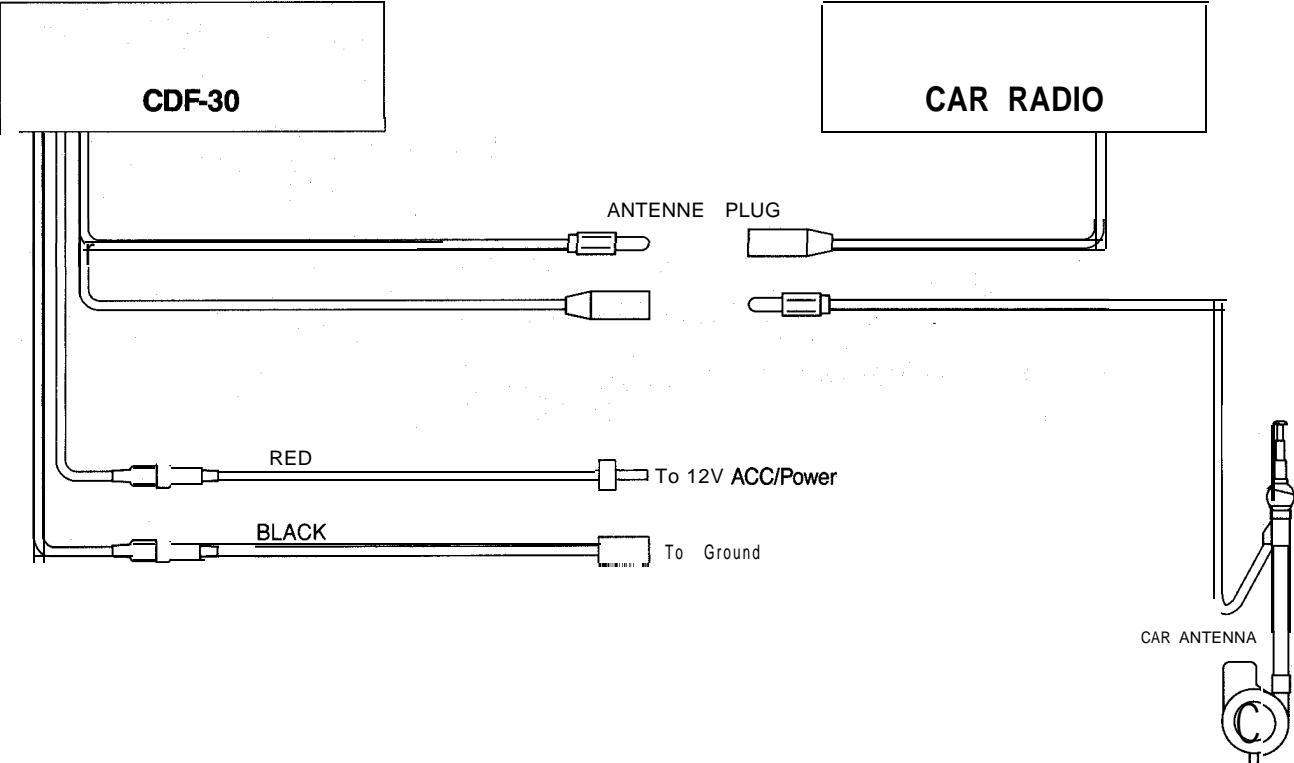
5. Do not expose discs to direct sunlight, high humidity, or high temperatures for extended periods of time. Long exposure to high temperatures can warp the disc.

6. Do not stick paper or write anything with a ball-point pen on the disc surface.

Installation



Connections



1. 2010年10月1日現在、東京都内に住む65歳以上の高齢者の数は、約1,200万人と推定されています。

2. 高齢者の増加に伴い、介護保険料の負担が増加しています。また、介護サービスへの需要も増加しています。

3. 高齢者の健康増進と介護予防の取り組みが重要です。また、介護職員の確保と待遇改善も必要です。