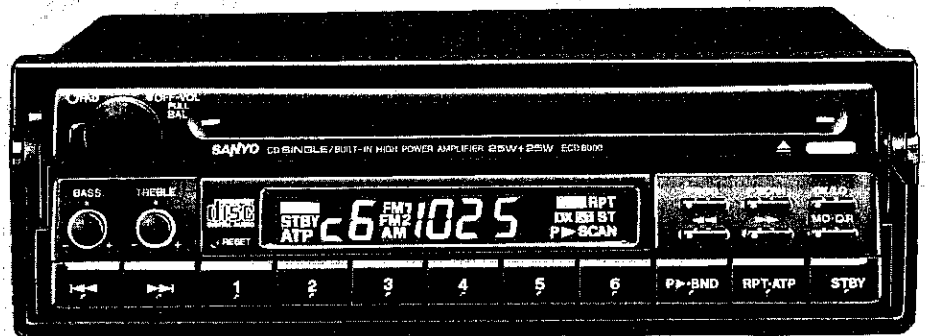


SANYO

INSTRUCTION MANUAL
MANUAL DE INSTRUCCION
使用说明书



**TAKE-OUT AM/FM STEREO
COMPACT DISC PLAYER
WITH BUILT-IN HIGH
POWER AMPLIFIER**

ECD 8000

BEFORE INSTALLATION/ANTES DE LA INSTALACION/装配之前

1. MOUNTING ANGLE

- When mounting the unit in your car, make sure the unit is level. If you cannot mount the unit due to your car design, make sure there is no more than 30 degrees tilt.
- If the mounting angle is between 20° - 30°, turn the screw with a screwdriver to 20° - 30° position.

2. SHIPPING SCREW

- Remove the screw before installation.

3. AM CHANNEL STEP SELECTOR SWITCH

- Be sure to set the switch to the frequency interval of your location.

1. ANGULO DE MONTAJE

- Al montar la unidad en su automóvil, asegúrese que esté nivelada. Si usted no puede montarla debido al diseño de su automóvil, asegúrese que no haya una inclinación de más de 30°.
- Si el ángulo de montaje es de 20° a 30°, gire el tornillo mediante un destornillador a la posición de 20° a 30°.

2. TORNILLO DE EMPAQUE

- Saque el tornillo antes de la instalación.

3. INTERRUPTOR SELECTOR DE 3 PASOS DE CANAL AM

- Asegúrese de ajustar el interruptor a los intervalos de frecuencia de su localidad.

1. 安装角度

- 在装其装置于您的车中时，请注意保持其水平。如果由于您的车的内部设计之故，不允许将其水平安置，应注意不得让安装倾斜角度超过30°。
- 如因条件之故，其安装倾斜角度于20° ~ 30°之间，请用螺丝刀旋转其安装角度调节螺丝加以设定。

2. 发货运送固定螺丝

- 组装其装置时，请先卸去其固定螺丝。

3. 调幅声道分级选择器

- 请按当地周波数的间隔予以设定 -

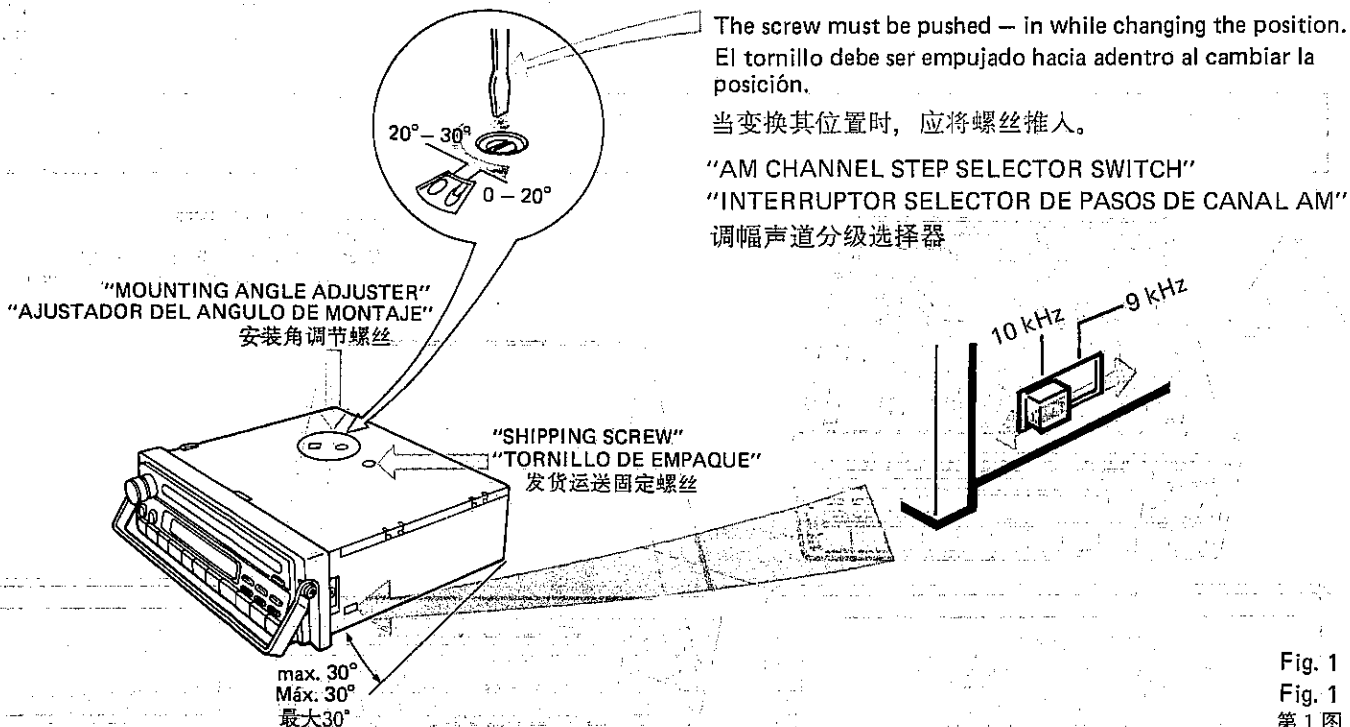


Fig. 1
Fig. 1
第1图

FEATURES

The SANYO ECD 8000 is a high performance compact disc player with an AM/FM stereo radio, preset tuning, Auto-Travel Preset (ATP), LCD digital display, Built in High power amplifier and take-out security system. For proper operation and performance, read the instruction manual carefully.

FOR SAFE AND EFFICIENT OPERATION

- This player is only for use with 12V power. It can not be used in 24V vehicles (trucks and buses).
- When installing this player, avoid the following locations:
 - * Extremely hot places, such those exposed to direct sunlight or hot air coming directly from a heater
 - * Damp places or those where the player can get wet.
 - * Dusty locations.
- When cleaning out the car, be sure not to get any water on the player. Water on the player can damage it.
- Sometimes the player will not operate properly in extreme hot or cold. In this case, wait until the temperature in the car is normal, then use the player.

Closed cars in the summer get very hot. If the temperature inside the player goes above its reference temperature, a protective circuit automatically stops the player and ejects the disc. In this case, open the window to cool off the car, then start up the player again.
- Never put anything else in the insert slot for compact discs. The inside of the disc player is precision equipment that could be damaged by any foreign objects.
- When not using the disc player, always 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. Always put each disc in its case and store.
- To prevent accidents, keep the sound low enough that you can hear outside sounds when driving.
- Do not try to take, apart the disc player and adjust it. The insides of this disc player are precision equipment.
- Do not attempt to clean the unit with chemical solvents.

NOTES ON MOISTURE CONDENSATION

During cold weather, water drops sometimes form on the optical lens of the disc player right after the heater is turned on.

On a rainy day or in a very damp area, moisture may condense on the laser lenses inside the unit.

Should this occur, the unit will not operate. In this case, remove the disc and wait for about an hour until the moisture evaporates.

SOUND SKIP

When driving on a very rough road, sound will sometimes skip. This will not scratch or damage the disc.

HANDLING THE DISCS

Dirt, dust, scratches, and warpage cause skips in the play back and a deterioration of sound quality. Here is how to take care of your discs.



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

- 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 and light stains will have absolutely no effect on reproduction quality.
- Never use such chemicals as record sprays, antistatic sprays or fluid, benzine or thinner to clean compact discs. Such chemicals would irreparably damage the disc's plastic surface.
- Discs should be returned to their cases after use to avoid serious scratches that could cause the laser pickup to skip.
- Do not expose discs to direct sunlight, high humidity, or high temperatures for extended periods. Long exposure to high temperatures can warp the disc.
- Do not stick paper or write anything with a ball-point pen on the disc surface.

INSTALLATION

- When mounting the unit in your car, make sure the unit is level. If you cannot mount the unit level due to your car design, make sure there is no more than 30 degrees tilt up.
- If the mounting angle is between 20° – 30° turn the screw with a screwdriver to 20° – 30° position.
- 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 compact disc with the bracket attached.

INSTALLATION WITH MOUNTING KIT

1. Insert mounting bracket into DIN-standard cutout 182 x 53 mm in the dashboard or a console.
The side marked "UP" should be up.
2. Bend the stoppers of the mounting bracket with a screwdriver, and secure the bracket firmly to the dashboard. (Fig. 5)
3. Fix the mounting bracket by using the mounting hardware or the rubber cushion supplied.
4. Insert the unit into the mounting bracket until it locks.

SET REMOVAL

1. Push the left sides of the handle to raise.
2. Pull the handle to remove the unit.

CAUTION:

- Never leave a disc. If a disc remains in the unit, the disc or the CD player may be seriously damaged in transportation.
- To protect the CD player, turn off the power switch before dismounting the set.

NOTE:

- When the unit is re-installed, return the handle to the original position.

CONNECTIONS

CONNECTION DIAGRAM

WIRE COLOR CODE

RED	————— +12V TO FUSE BLOCK	WHITE/BLACK	————— LEFT SPEAKER ⊖	(White plug)	LEFT CHANNEL
BLACK	————— TO CHASSIS GROUND	GRAY	————— RIGHT SPEAKER ⊕	RCA LINE-OUT	EXTERNAL AMPLIFIER
BLUE	————— POWER ANTENNA	GRAY/BLACK	————— RIGHT SPEAKER ⊖	(Red plug)	RIGHT CHANNEL
WHITE	————— LEFT SPEAKER ⊕	RCA LINE-OUT	————— EXTERNAL AMPLIFIER		

- In order to prevent shorts, switch the ignition key off and disconnect the — terminal of the battery while connecting the wires for the disc player.
- If your car has a drive computer or a navigational computer, disconnecting the — terminal will erase their memories, so in this case connect the disc player with the battery connected, but be very careful not to cause any shorts.
- All connections should be soldered and insulated with electrical tape.
- 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 positive 12V power terminal which is energized when the ignition key is in the accessory position.
- Run all ground wires to a common ground point.
- After connection is completed, be sure to press the RESET button ⑰.

button ⑰

AM CHANNEL SELECTOR SWITCH

There are very many AM broadcasts in the world.

The AM broadcasting frequency is emitted at regular intervals (frequency interval).

The interval is different in each country.

It is 10 kHz in U.S.A. and Central and South America. It is 9 kHz in other countries.

The unit has a switch to meet these two frequency intervals. Before installing the unit, be sure to set the switch to the frequency interval of your location.

ANTENNA RELAY WIRE

A blue wire with female connector has been provided for use with most electric antennas that are relay controllable. The relay will activate the antenna upward when unit is turned on and retract the antenna when the unit is turned off. If you desire to use a fully automatic antenna system with this unit as shown, consult your dealer for the proper relay controlled antenna.

CAUTION:

- Do not hook up blue relay wire to motor wire or damage may occur to your unit.

DIRECTION FOR USE

① DISC SLOT

Slightly insert a compact disc with its label surface facing up. The disc is then automatically loaded into the unit and play will start.

② THE POWER ON-OFF VOL/PULL BAL (balance) control

Turn clockwise for the power on and for volume.

While pulling out the control, turn it to adjust the balance of the right and left channels.

③ FADER control (PRE-amplifier FADER)

Turn clockwise to increase the volume of the rear speakers (external amplifier's speakers), or counterclockwise to increase the volume of the front speakers (built-in amplifier's speakers). Adjust the total volume using the VOLUME control.

NOTES:

– In a two speaker system, the fader cannot be used. Therefore, rotate the fader control on the unit fully to the left (counterclockwise).

④ BASS control

This controls the bass response.

Turn it clockwise to increase the bass response and counterclockwise to decrease it.

⑤ TREBLE control

This controls the treble response.

Turn clockwise to increase the treble response and counterclockwise to decrease it.

FOR CD Mode	FOR Radio Mode
<p>⑥ Forward and backward access button By using the forward and backward access button, the beginnings of particular selection can be easily found. The track number to be searched will be displayed on the Digital display.</p>	<p>⑥ Seek up/down button Press for automatic seeking.</p>
<p>⑧ PROGRAM PLAY button Press to start programmed play.</p>	<p>⑦ Preset buttons (1 to 6) Press the desired button to memorize the frequency and to receive a preset station.</p>
<p>⑨ REPEAT button Push this button once to play one selection on the disc or one programmed selection.</p>	<p>⑧ Band button Press to select the desired band, FM1/FM2 or AM.</p>
<p>⑩ Stand by button</p>	<p>⑨ Auto-Travel Preset button Press for automatic memorized 6 broadcasting stations each band (AM/FM).</p>
<p>⑪ Cue and review button Press to search ahead at high speed. When the button is released, play will begin from that point.</p>	<p>⑩ Stand by button</p>
<p>⑫ QUICK RETURN Pressing this button when playing a compact disc returns the head to the beginning of the first song and begins play from there.</p>	<p>⑪ Manual Tuning button Press this key for manual tuning.</p>
<p>⑮ INTRO SCAN button Plays the first 10 seconds of each TRACK when pressed.</p>	<p>⑫ Stereo/Mono button Press this key during FM broadcast reception to select the desired mode, stereo or mono.</p>
<p>⑯ PROGRAM button Up to 16 tracks can be programmed to play in any order with this button.</p>	<p>⑬ Distant/Local select button Press this key during FM/AM broadcast reception to select the desired mode, distant or local.</p>
<p>⑰ RESET button</p>	<p>⑮ Preset Scan button (P. SCAN) Press for automatic scanning. (Press two seconds to automatic preset scanning.)</p>
<p>⑱ REPEAT button</p>	<p>⑰ RESET button</p>

DIGITAL DISPLAY

- | | | |
|--|--|--|
| <p>① Band indicator (FM1/FM2/AM)
② Disc set indicator (DISC IN)
③ Stand by indicator (STBY)
④ Auto Travel Preset indicator (ATP)
⑤ Track/Channel number indicator
⑥ Time and Frequency indicator</p> | <p>⑦ Program play indicator (P)
⑧ Disc playing indicator (▷)
⑨ Scan indicator (SCAN)
⑩ Distant indicator (DX)
⑪ Stereo indicator (ST)
⑫ Stereo reception indicator (STI)</p> | <p>⑬ Repeat indicator (RPT)
⑭ 3 inch disc set indicator (CD3)
⑮ Program number (PROGRAM MODE)
⑯ Track number to be programmed (PROGRAM MODE)
⑰ Preset scan indicator (P. SCAN)</p> |
|--|--|--|

OPERATION

To Play Back the Compact Disc

ORDINARY DISC PLAY

1. Turn the power on by turning the power on-off volume control clockwise.
2. Insert a compact disc into the disc slot with the label surface facing up.

display ②, ⑧,
⑤ ⑥

The disc is automatically loaded into the unit and play starts at the beginning of the first selection. The "▶" and "DISC IN" indicator will appear, track number and play time (MINUTE/SECOND) are displayed in the digital display (Elapsed time mode).

3 INCH CD (CD SINGLE) PLAY

display ⑭

1. You can insert a 3 inch CD without adaptor just like a normal CD.
2. The "▶", "DISC IN" and "CD3" indicator will appear in the digital display.

SELECTION SEARCH

button ⑥

To search for a particular selection :

If you wish to search the selection, push the access button (◀▶) ⑥ until the desired track number is indicated on the digital display.

display ⑤

Forward access

Press the (▶▶) side of the key once. The display counter indicates the next TRACK number. The unit will search the beginning of the next selection, and start play it. To search for the selection further ahead, push the button until the desired TRACK number is indicated on the display counter.

Backward access

Press the (◀◀) side of the key once. The beginning of the selection being played is searched for. To search for the selection further back, push the button until the desired TRACK number is indicated on the display counter.

NOTE:

– When the disc reaches the beginning of the last or first selection, the scanning stops at that point.

To search for a particular point in a selection

button ⑪

Press the CUE and REVIEW button ⑪ to rapidly advance a short distance to the desired position on a disc during disc play.

display ⑥

NOTE:

– When you have passed the end of the disc keep cue button pressed, the manual search will stop at that point.

INTRO SCANNER PLAY

button ⑮

If you wish to scan the selection, push the SCAN button ⑮.

display ⑨

The digital display will indicate "SCAN", and the track number display indicates the next selection number. The laser pickup advances to the beginning of the next selection, and the unit starts to play the selection for 10 seconds, then scan on the next selection for 10 seconds, and so on. Select the selection by repressing the scan button, causing to stop instantly at the position.

REPEATED PLAY

button ⑨

If you wish to play one selection on the disc only, push the REPEAT button ⑨.

display ⑬

The RPT indicator will appear in the digital display.

To cancel the repeat play, push the REPEAT button again.

QUICK RETURN PLAY

button ⑫

If you wish to play starting at the beginning of the first selection during play the disc, press the QUICK RETURN button ⑫.

3. After the whole disc has been played, the pickup will automatically return to the beginning of the disc and play.

button ⑭

4. To take out the disc, press the Loading and EJECT (▲) button ⑭.

The disc come out automatically. Repress the Loading and EJECT (▲) button, the disc is automatically loaded again and play starts from beginning at the same TRACK number.

5. To stop the disc play, turn the power off.

To restart the disc play, turn the power on. Playback will be started at the last TRACK number.

NOTE:

– Once you remove the unit, and you insert it again to play. CD play starts at the first TRACK (01).

PROGRAMMED PLAY

Up to 16 selections can be programmed to play in any order. The selection can be programmed during compact disc play.

To program

1. Press the PROGRAM button once (16). button (16)
display (15), (16)
The digital display will change to the Program mode. The PROGRAM number in the display flicker and the time counter disappears.
2. Press the ACCESS button (6) within about 20 seconds after pressing the PROGRAM button. button (6)
Press the (▶▶) side of the ACCESS button once. The display counter will indicate the first selection number (01). At the first, you press the (◀◀) side of the button once, the TRACK indicator will indicate the last selection number of the disc.
3. To enter additional selection numbers into the memory, press the PROGRAM button again. The display will indicate next program number. button (16)
Press the access button to enter the desired selection number.

NOTES:

- Play is not interrupted, even while the selections are programmed.
 - When the display indicates the last selection number of the disc and the (▶▶) side of the TRACK SKIP button is pressed, the indications on the display counter will return to the 1st selection number.
 - When the display counter indicates the last program number "16", and the PROGRAM button is pressed, the indication on the display will return to the 1st program number.
4. If you wish to stop programming, press the P ▶ button (8), programming play will start. button (8)
display (8)
To restart the programming, press the PROGRAM button once.
 5. If you wish to check the memory, press the PROGRAM button. button (16)

NOTES:

- Do not press the ACCESS button to check. If the ACCESS button is pressed, the selection number in the memory will change.
- Only use the ACCESS feature to cancel or to correct one of the programmed selections.
- If you wish to cancel the part of programmed selection, call the program number by pressing the PROGRAM button; and press the ACCESS button until the selection number is obtained.

To program play

- After programming, press the PROGRAM PLAY button (8). button (8)
display (7)
The display will indicate "P" and the programmed selection number, the player will begin to play the PROGRAM NO. 1 selection.

To stop programmed play

- Press the PROGRAM PLAY button (8) again. The player will change to the normal play mode, and will begin normal play at that point. To restart the programmed play press the PROGRAM PLAY button again, play will start to play the PROGRAM NO. 1 selection. button (8)

NOTE:

- If a selection number for PROGRAM NO. 1 has not been stored, the Program Search Logic skips PROGRAM NO. 1 and searches for the next program.

Operation during programmed play

6. If you wish to start playing from a desired programme number, press the PROGRAM PLAY button (8), then press one of the ACCESS button (6) until the desired programme number is indicated on the digital display. button (6)
7. If you wish to cue or review, press the CUE and REVIEW button (11). button (11)
8. If you wish to scan the programmed track, push the SCAN button (15). button (15)
9. If you wish to repeat one programmed track of the disc only, push the REPEAT button (9). When this function is not worked all programmed selection are automatically repeated. button (9)
10. If you wish to return the beginning of the first programmed selection, press QUICK RETURN button (12). button (12)

NOTES:

- When the CUE button (11) is pressed during programmed play, play will go ahead in normal sequence, and resume from the reached point.
- When playing of that selection ends, programmed play will begin again from the beginning of the next programmed selection.
- When the memory is empty (no programming) and the PROGRAM PLAY button is pressed, the player will automatically be set to the normal play mode.

CAUTION:

- When you take out the disc, the memory for programmed play is automatically cleared.

STAND BY FUNCTION

When the ordinary or programmed disc play and if you want to hear a radio program instantly, simply push the stand by (STBY) button ⑩. The operation will be changed to the radio mode. Re-press the button to play starts from beginning at the same TRACK number of the disc.

To Listen to Radio Programs

1. Select the desired radio band with the BAND select button ⑧. The radio frequency FM1, FM2 or AM will be shown on the digital display. button ⑧ display ③
2. Tune in a desired station as follows: button ⑧ display ①, ⑥

Manual Tuning

If the (▶▶) side of the manual tuning button ⑪ is pressed, the radio frequency on the digital display will count up. If the (◀◀) side of the manual tuning button ⑪ is pressed, the radio frequency will count down. When pressed continuously to the right or left, the radio frequency will count up or down rapidly. When your fingers are released, the radio frequency will stop instantly at that position. button ⑪ display ⑥

Auto (Scan) Tuning

By touching the Scan (SCAN) button ⑮, auto tuning is activated and will stop on the appropriate radio frequency of the next broadcasting radio station for about 5 seconds, then scan and stop on the next radio station for 5 seconds, and so on. Select a radio station by re-pressing the scan button to stop instantly at that station. The auto tuning will count up in sequence only. button ⑮ display ⑥

Auto (Seek) Tuning

Press the seek up/down button ⑥ to engage automatic tuning towards higher or lower frequency. The tuning process will be stopped when a strong signal is received. button ⑥

NOTES:

- For FM reception, the FM frequency will count 0.1MHz (100kHz) up and down. For AM reception it will count 10kHz or 9kHz (switchable) up and down. button ⑫ display ⑪
- When receiving an FM broadcast under normal conditions, touch the stereo/mono select (MO · Q · R) button ⑫. The unit will automatically switch to mono or stereo as you tune in to different stations. display ⑫
- The FM stereo (ST) indicator will indicate on the display when an FM stereo broadcast is being received. If in some cases, the stereo station is too noisy or adjacent-channel interference is heard, touch the (MO · Q · R) button for noise-free mono reception. display ⑩
- For strong local FM signal reception, the distant/local select (Dx/Lo) button ⑬ should be in local position. For a weak signal, the distant/local select (Dx/Lo) button should be in distant position. button ⑬

To Preset Stations

For presetting stations, the unit has an electronic memory circuit which is capable of memorizing 6 AM, 12 FM and 6 AM, 6 FM Auto-travel Preset (APT) stations for a total of 30 stations:

1. Select the desired band. button ⑧
2. Press the tuning button to tune in a desired station. Follow the same procedure as in "To Listen to Radio Programs", Step 2, for Manual or Auto Tuning section.
3. To memorize a program, press and hold down the desired preset button for at least 2 seconds until the program number indicator will appear in the display. button ⑦
4. To preset other stations, follow the same procedure as in Step 3.
5. After you have finished presetting a station, you can instantly receive that same preset station with the same numbered preset button. button ⑧ button ⑦
 - A. Turn the power on.
 - B. Select the desired band.
 - C. Touch the desired preset button.

Preset Scan

Press the preset scan button ⑮ until the frequency indicator starts flashing, you can call in sequence, the memorized stations for 5 seconds from each preset button 1 through 6 automatically. button ⑮

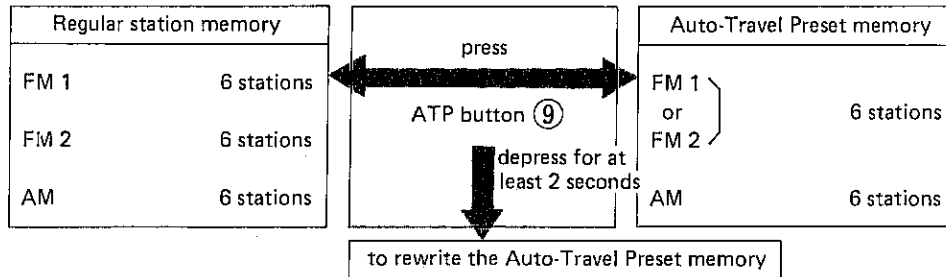
To stop scanning, touch this button again or the desired preset button.

Auto-Travel Preset

button ⑨

display ④

1. Select the desired band by depressing the band selector button.
2. Then depress Auto-Travel Preset (ATP) button ⑨ for at least 2 seconds until the (ATP) indicator starts flashing.
The unit starts to search for stations all across the selected band. At first the unit searches for stronger local stations. Any station with sufficient signal strength will be memorized automatically (up to 6 stations). If there are not 6 local stations of sufficient strength available, the unit will start another search across the selected band, looking for weaker stations. After that the search will end and the last station which has been memorized before, will be heard.
All presets can be used for recalling the stations which have been memorized automatically.
3. After depressing the Auto-Travel Preset button ⑨ again, the ATP indicator goes out and the regular station memory can be recalled by using the presets as usual.



RESET BUTTON FUNCTION

button ⑰

Reset button ⑰ is placed on front panel and must be activated with either a pen or thin metal object. It is recessed to prevent accidental engagement in which all radio programming and memory program play will be cleared. Therefore, the reset button is to be activated for the following reasons:

- A. Initial installation of the unit when all wiring is completed.
- B. When CD disc is not working properly and unit is not accepting the disc.
- C. CD disc is accepted but numeric indication is erratic or time readout is constantly 0.00.

The reset circuitry is provided to protect the unit's microprocessor and laser guidance system. Again, every time reset button is activated, disc programming will be erased thus requiring reprogramming of the unit.

TROUBLE CHECKS

The following indicator flickers for about 10 seconds.

SEE 1	The temperature inside the player goes above its reference temperature, a protective circuit automatically stops the play and ejects the disc. Then the operation will be changed to the radio mode. Cool off the inside of the car, try to play again.
SEE 3	The unit cannot be operated because of trouble. Press the RESET button. If this indicator still appear after pressing the RESET button, consult your nearest service dealer.

BEFORE SET REMOVAL

1	Take out the disc.	If a disc remains in the CD player, the disc or set may seriously damaged in transportation.
2	Turn off the power switch.	

CAUTION:
Metal parts of this unit (especially on the back) become quite hot during operation, to be careful to avoid touching parts other than the handle immediately after removing the unit.

TROUBLE SHOOTING

TROUBLE SHOOTING

The following checks will assist in the rection of most problems which you may counter with your unit. Should any problem persist after you have made these check consult your nearest service dealer.

Before going through the check list be first refer back to the connection operating procedures.

Symptom	Cause	Solution
No power.	The car's ignition switch is not on.	If the power supply is connected to the car's accessory circuits, but the engine is not moving, switch the ignition key to "ACC".
	The fuse is blown.	Replace the fuse with another 7.5A fuse.
Disc cannot be loaded or ejected.	There is already a disc in the player.	Remove the disc in the player, then put in the new one.
	You are trying to put in the compact disc backwards.	Insert the Compact disc with the label side facing up.
	The compact disc is extremely dirty or defective disc.	Clean the compact disc, try to play the new one.
	The temperature in the car is too high.	Cool off the inside of the car, then try again.
	Condensation	Leave the disc player off for an hour or so, then try again.
No sound.	Adjust the volume knob.	Turn the volume adjustment knob to adjust the sound to the level you want.
	The power cord is not connected properly.	Double check the power cord.
	The connection cords are not connected properly.	Check the speaker cords and the other connection cords.
The operation keys do not work.	The built-in microcomputer is operating incorrectly due to noise.	Remove the compact disc, then insert it again. Press the reset button.
Sound skips.	The installation angle is greater than 30°.	Adjust the angle to less than 30°.
	The disc player is not installed correctly.	Fasten the disc player securely.
	The compact disc is extremely dirty or defective disc.	Clean the compact disc, try to play the new one.
	Condensation	Leave the disc player off for an hour or so, then try again.
The sound quality is poor.	The compact disc is defective.	Try another disc. If that disc plays properly, the first disc is defective.
	The compact disc is dirty.	Clean the disc as explained on page 3.
The radio does not work. The radio station automatic selection does not work.	The antenna cable is not connected.	Insert the antenna cable solidly.
	The signals are too weak.	Select a station manually.

故障的排除

一般常见故障排除一览表

下述故障为激光唱机一般常见故障。这里介绍的故障排除方法可以帮助您自己排除解决这些一般常见故障。如果您的激光唱机发生的故障不属此表所述，请与您附近的三洋维修站联系，让专门技术人员检查修理。

在按此表进行故障排除检查时，请先重新检查您的操作过程是否有误。

故障现象	原因	排除方法
无电源	点火开关没打开。	将点火开关转置于“ACC”处，让辅助电路的电源接通，而不发动马达。
	熔断丝熔断。	更换一新的7.5A熔断器。
激光唱片不能正常装入或退出。	唱机中已装有一激光唱片。	取出机中激光唱片后，再插入试之。
	唱片插入面颠倒。	将记有曲名标记一面朝上，插入之。
	唱片太脏，或变形过大。	擦净唱片，或换一新唱片试插之。
	车内温度过高。	等车内温度下降适当，再试插之。
	冷凝现象发生。	等一个小时左右，再试插之。
扬声器不出声。	音量调节太小。	旋转音量调节旋钮，将其调于适当程度。
	电源引线连接有误。	检查电源引线连接。
	扬声器等引线连接有误。	检查扬声器以及其它部分的引线连接。
各功能键触按无效。	安装倾斜角度大于30°。	取出激光唱片，再插入之。 触按复位键。
跳音。	内部微电脑装置动作异常。	将安装倾斜角度调节至小于30°的程度。
	激光唱片就位不正。	重新正确装入。
	激光唱片太脏，或变形过大。	擦净之，或换一新唱片使用之。
	冷凝现象发生。	等一个小时左右后，再使用之。
音质较差。	激光唱片变形过大。	换一新唱片使用之。 如新换唱片演奏音质良好，则说明前者变形过大不宜使用。
	激光唱片太脏。	按第19页所述要求擦净后再使用之。
收音机系统无电台接收反应。 收音机系统自动选台功能不能正常工作。	收音用天线没有连接。 电台信号太弱。	紧实地将天线引线插入其连接插孔。 改用手动选台。

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