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**Portable CD System**

**with CD, CD-R/RW PLAYER**

**and CASSETTE PLAYER**

**OWNER'S MANUAL**

**SB280**

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## CAUTION

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THIS PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE. TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



The lightning flash with arrow-head symbol, within an equilateral triangle 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.

### CAUTION

RISK OF ELECTRIC SHOCK  
DO NOT OPEN

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK), NO USER SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

## IMPORTANT SAFETY INSTRUCTIONS

- 1.) Read these instructions.
- 2.) Keep these instructions.
- 3.) Heed all warnings.
- 4.) Follow all instructions.
- 5.) Do not use this apparatus near water.
- 6.) Clean only with dry cloth.
- 7.) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8.) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9.) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10.) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11.) Only use attachments / accessories specified by the manufacturer.
- 12.) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 13.) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 14.) This appliance shall not be exposed to dripping or splashing water and no object filled with liquids such as vases shall be placed on the apparatus.
- 15.) Do not overload wall outlet. Use only power source as indicated.
- 16.) Use replacement parts as specified by the manufacturer.
- 17.) The product may be mounted to a wall only if recommended by the manufacturer.
- 18.) Upon completion of any service or repairs to this product, ask the service technician to perform safety checks.



Emerson Radio Corp. has produced this AM/FM Radio with CD & Cassette player, under license from Nickelodeon.

We have taken great care to make sure that your CD & Cassette player was in perfect working order when it left our factory. It has been designed to give you many years of enjoyment and trouble free operation.

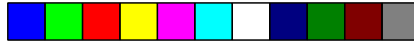
Read this manual before operating this unit to become familiar with its features and obtain the performance that will bring you continued enjoyment for many years. In the event you require technical assistance, please contact the Emerson Radio Consumer Service hotline at: 1-800-898-9020.

For future reference, record the serial number in the space provided.

**Model : SB280**

**Serial Number:** \_\_\_\_\_





## IMPORTANT NOTES

### Avoid installing the unit in locations described below:

- Places exposed to direct sunlight or close to heat radiating appliances such as electric heaters, on top of other stereo equipment that radiates too much heat, places lacking ventilation or dusty areas, places subject to constant vibration and/or humid or moist areas.
- Do not attempt to clean this unit with chemical solvents as this might damage the finish. Use a clean dry cloth.
- Operate controls and switches as described in the manual.
- Before turning 'On' the power, make certain AC cord or batteries are properly installed.
- Store your cassette tapes and CDs in a cool area to avoid damage from heat.
- When moving the set, be sure to first disconnect the AC power cord.

### CLASS 1 LASER PRODUCT

CLASS 1 LASER PRODUCT  
APPAREIL À LASER DE CLASSE 1  
PRODUCTO LASER DE CLASE 1

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



**This product contains a low power Laser Device.**

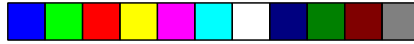
### FCC INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.



## PREPARATION FOR USE

### UNPACKING AND SET UP

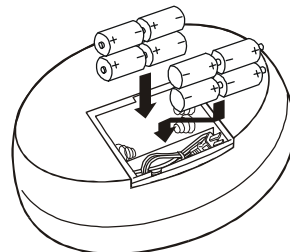
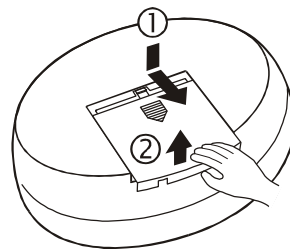
- Carefully remove the unit from the carton and remove all packing materials from the unit.
- Carefully remove any small strips of tape which may have been used to keep the CD and Cassette doors closed during shipment.
- Open the CD compartment by placing your finger under the notch on the front of the CD door and lifting upward. Inside the CD compartment you will see a white transit card which is used to prevent the laser pick-up from moving during shipment. Carefully remove this card and close the CD compartment door.
- Please save the carton and packing materials in the event that your unit ever needs to be returned for service. The original carton and packing materials are the only way to protect the unit from damage during shipment.

### POWER SOURCES

This unit is designed to operate 8 “C” batteries, not included, or on normal 120V 60Hz AC house current. Operating this unit from any other power source may cause damage to the unit, and such damage is not covered by your warranty.

#### Battery Operation

- 1.) Remove the battery compartment door on the bottom of the cabinet by pressing down on the “Arrow” symbol and sliding the door in the direction of the arrow.
- 2.) Insert 8 “C” size batteries into the battery compartment according to the polarity diagram engraved inside the compartment. If the batteries are inserted incorrectly the unit will not work.
- 3.) Replace the battery compartment door.

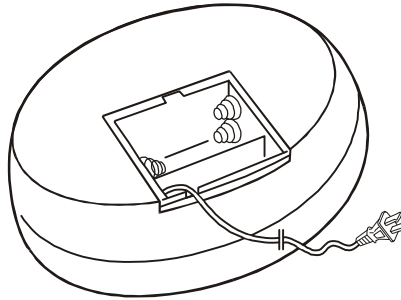




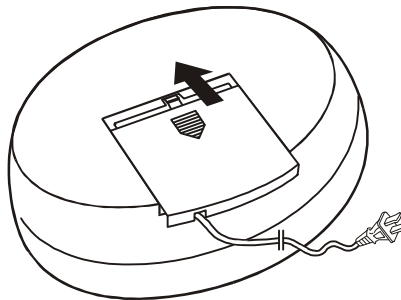
## AC Operation

To prevent loss the AC cord is permanently attached to the unit and is stored inside the battery compartment. Do not try to detach the AC cord from the unit.

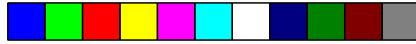
- Remove the battery compartment door on the bottom of the cabinet by pressing down on the “Arrow” symbol and sliding the door in the direction of the arrow.
- Remove the AC cord from its storage compartment and extend it to its full length.
- With the unit upside down position the cord so that it is resting in the ‘notch’ on the back of the cord storage compartment.



- With the cord resting in the ‘notch’ replace the battery compartment door.

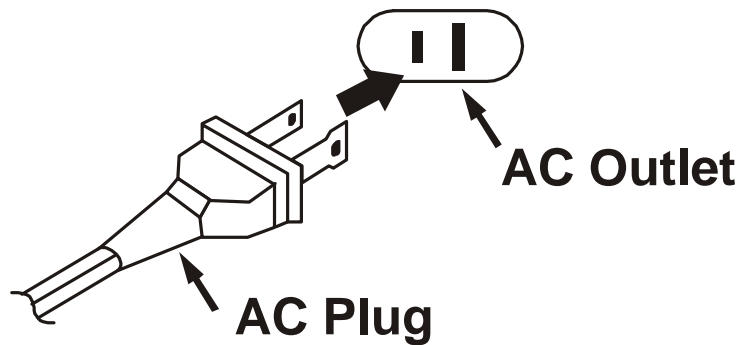


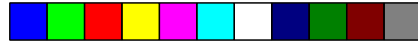
- Turn the unit right side up and connect the plug to any convenient 120V 60Hz AC outlet.



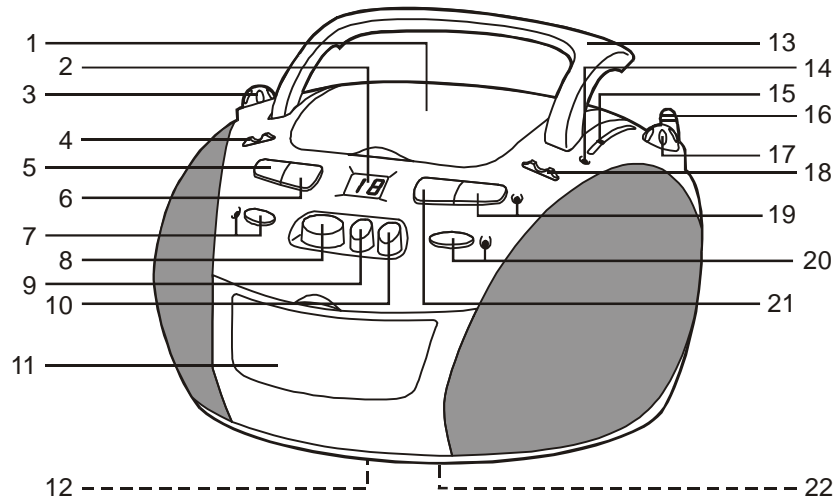
### **IMPORTANT:**

- When you plan to operate the unit on batteries and carry it around with you, be sure to re-fold the AC cord and return it to its built in storage compartment. Do not allow the cord to dangle out of the unit while you are carrying it around as a portable.
- This unit has a polarized AC plug with one wide blade and one narrow blade. This plug will only fit into a matching polarized AC outlet. This is a safety feature to reduce the possibility of electric shock. If this plug will not fit in your AC outlet, you probably have an outdated non-polarized outlet. You should have your outdated outlet changed by a qualified, licensed electrician. Do not file the wide blade on the plug, or use an adapter to make the plug fit into your outlet. This defeats the safety feature and could expose you to electric shock.



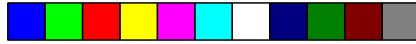


## LOCATION OF CONTROLS AND INDICATORS



- |   |   |
|---|---|
| 1.) CD Compartment.                           | 11.) Cassette Compartment.                        |
| 2.) CD Track Display.                         | 12.) AC Cord.                                     |
| 3.) VOLUME Control.                           | (Inside battery compartment)                      |
| 4.) FUNCTION (CD/TAPE/RADIO) Selector Switch. | 13.) Carrying Handle.                             |
| 5.) CD SKIP/SEARCH <b>⏮</b> Reverse Button.   | 14.) FM STEREO Indicator.                         |
| 6.) CD SKIP/SEARCH <b>⏭</b> Forward Button.   | 15.) Dial Pointer.                                |
| 7.) CD PROGRAM Button & Indicator.            | 16.) FM Antenna.                                  |
| 8.) Cassette Stop <b>■</b> Button.            | 17.) TUNING Control.                              |
| 9.) Cassette Fast Forward <b>⏩</b> Button.    | 18.) BAND (AM/FM) Selector.                       |
| 10.) Cassette Play <b>▶</b> Button.           | 19.) CD PLAY/PAUSE <b>⏪</b> Button & Indicator.   |
|   | 20.) CD REPEAT Button & Indicator.                |
|   | 21.) CD STOP <b>■</b> Button.                     |
|   | 22.) Battery Compartment.<br>(At bottom of unit.) |





## OPERATING INSTRUCTIONS

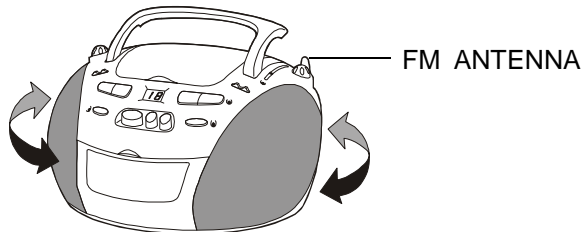
### LISTENING TO THE RADIO

- 1.) Move the FUNCTION selector to the Radio position.
- 2.) Move the BAND selector to the desired band, FM ST, FM or AM.
- 3.) Tune to your desired station with the TUNING control. If you have set the BAND selector to FM ST. (Stereo) and you tune to a FM Stereo station the FM STEREO LED Indicator will light.
- 4.) Set the VOLUME control to the desired level.
- 5.) When you are finished listening move the FUNCTION selector back to the TAPE (Radio Off) position to shut the power 'Off' and extend the battery life.

### Antenna Information

#### AM

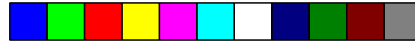
The AM antenna is inside the cabinet. IF AM reception is unsatisfactory try rotating the entire unit until you find the position that provides the best reception.



#### FM

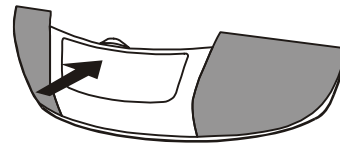
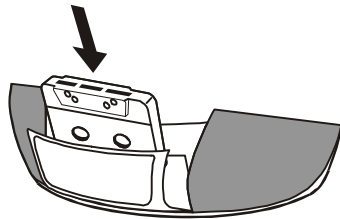
The FM antenna is located on the rear of the cabinet behind the TUNING control. **Please do not pull on this antenna. It does not extend.** If FM reception is unsatisfactory rotate the cabinet until you find the position that provides the best reception.

**Note:** If you are listening to a weak FM Stereo station you can usually improve the reception by moving the BAND selector from the FM ST position to the FM position, however the sound will now be mono.



## PLAYING CASSETTE TAPES

- 1.) Open the cassette door by placing your finger in the notch at the top edge of the door and pulling toward you.
- 2.) Place a pre-recorded cassette tape into the slots on the inside of the door with the exposed tape facing up and the full reel on the right side.

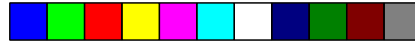


Close cassette door.

- 3.) Move the FUNCTION selector to the TAPE position.
- 4.) Press the cassette Play ◀ button to begin playback.
- 5.) Set the VOLUME control to the desired level.
- 6.) To advance the tape rapidly press the F. Fwd ◀◀ button. To stop the tape before it ends press the Stop ■ button.
- 7.) When the tape ends the Automatic Stop System releases the Play ◀ button and shuts off the tape motor. You may then open the cassette door, remove your tape, turn it over and play the other side if desired.
- 8.) When you are finished listening stop the tape, open the door, remove the tape and close the door. If you are playing a tape and then switch to the RADIO or CD function be sure to press the Stop ■ button to disengage the tape mechanism. This prevents excess wear and tear on the mechanism.

### **IMPORTANT:**

*Always press the Stop ■ button to shut off the tape motor before opening the cassette door to remove your tape. The Automatic Stop System does not function in the F. Fwd ◀◀ mode. When the tape ends in the F. Fwd ◀◀ mode the motor continues to run. You must press the Stop ■ button to shut off the motor before opening the door to remove your tape.*

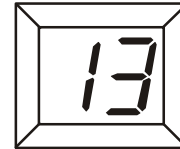


## PLAYING COMPACT DISCS

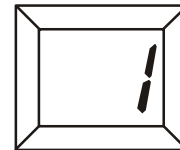
**Note:** Although this portable CD player can read CD-R and CD-RW discs, in addition to normal CDs, the playability of CD-R and CD-RW discs may be effected by the type of software that was used to create the discs, as well as the quality and condition of the blank media you are using. 100% playability cannot be guaranteed. This is not an indication of a problem with the player.

### NORMAL PLAYBACK

- 1.) Move the FUNCTION selector to the CD position.
- 2.) Open the CD door by placing your finger in the notch on the front of the door and lifting upward. If you have not already removed the white transit card from the CD player, please remove it now.
- 3.) Place your CD on the center spindle with the printed label side facing up. Close the CD door. The player will read the Table of Contents and the display will show the total number of tracks on the disc.



- 4.) Press the CD PLAY/PAUSE ►► button to begin playback on Track 1. The CD Play/Pause Indicator lights up.



- To skip to higher or lower numbered tracks during playback press the SKIP/SEARCH ►► or SKIP/SEARCH ◄◄ button repeatedly until the desired track number appears in the display. Playback will begin on the selected track.
- To search rapidly forward or backward during playback to locate a specific portion of a track, depress and hold the SKIP/SEARCH ►► or SKIP/SEARCH ◄◄ button. The player will search rapidly forward or backward as long as the buttons are depressed. Normal speed playback will resume when the buttons are released.
- To Pause momentarily during playback press the PLAY/PAUSE ►► button again. The sound stops and the Play/Pause Indicator flashes, however the disc continues to spin. To cancel Pause and resume normal playback press the PLAY/PAUSE ►► button once more. Normal playback resumes and the Play/Pause Indicator stops flashing.



5.) Adjust the VOLUME control to the desired level.

6.) To Stop playback at any time press the CD STOP ■ button. The disc stops and the display again shows the total number of tracks on the disc. After the last track has played the disc stops automatically and the display again shows the total number of tracks on the disc.

7.) Open the CD door, remove your disc, and close the CD door again.

8.) Move the FUNCTION selector to the TAPE (Radio Off) position to shut the power 'Off'.

### **TO START PLAYBACK FROM A SPECIFIC TRACK**

Insert your disc in the player, close the door, and wait until the display shows the total tracks. Press either the ►► SKIP/SEARCH or ◀◀ SKIP/SEARCH button until the desired track number appears in the display, then press the PLAY/PAUSE ►|| button to begin playback on that track.



### **REPEAT PLAYBACK**



You can program the player to repeat either a single track or all tracks on the disc continuously. The Repeat feature can be activated while the disc is playing or while the disc is stopped.

#### **One Track Repeat**

Press the REPEAT button once. The Repeat Indicator begins flashing. Select the track you wish to repeat with the SKIP/SEARCH ►►/◀◀ buttons and then press the PLAY/PAUSE ►|| button. The selected track will be repeated continuously.

To cancel One Track Repeat press the STOP ■ button.

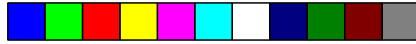
#### **ALL Tracks Repeat**

Press the REPEAT button twice. The Repeat Indicator remains 'On'.

Press the PLAY/PAUSE ►|| button to begin playback. The entire disc will be repeated continuously.

To cancel All Track Repeat press the STOP ■ button.





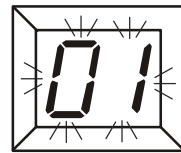
## PROGRAMMED PLAYBACK

You can program up to **20** tracks on a disc to playback in any desired order. You may also program a specific track to play several times within the same program.

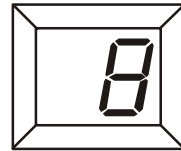
**Note:** The player cannot be programmed while a disc is playing. If a disc is playing press the **STOP ■** button to stop playback before you begin the programming steps below.

1.) Move the FUNCTION selector to CD, insert your disc in the player, close the door, and wait until the total track number appears in the display.

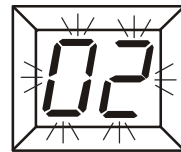
2.) Press the CD PROGRAM button once. The Program Indicator flashes and program memory "01" begins flashing in the display.



3.) Use the SKIP/SEARCH ►►/◄◄ buttons to select the first track to be programmed. (Example: Track 8).

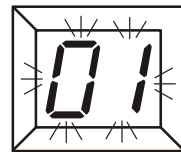


4.) When track number "8" appears in the display, press the PROGRAM button once again to enter the track "8" in program memory number "01". Track number "8" disappears and program memory number "02" begins flashing in the display, indicating that you may now select a track to be entered in program memory number "02".

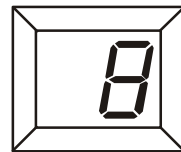


5.) Use the SKIP/SEARCH ►►/◄◄ buttons to select the next track to be programmed. When the desired track number appears in the display press the PROGRAM button again to enter that track in the program memory.

6.) Repeat Step 5 until you have entered up to 20 tracks in the program memory. When the memory is full, the LED display shows the programmed tracks 1-20 in sequence, then "0 1" indicator flashes.



7.) To begin programmed playback press the PLAY/PAUSE ►► button. The LED display will show the first programmed track and playback will begin on that track. The Program Indicator lights.





After the last programmed track has played the player stops but the program remains in the memory. The Program indicator remains “On”. To play the programmed tracks again, press the PLAY/PAUSE ►|| button.

To cancel the programmed sequence from memory after the player stops, press the STOP ■ button, open the CD door, or move the FUNCTION selector to the TAPE (Radio Off) position.

### **Program Repeat Playback**

You can use the Program and Repeat features together to continuously repeat a programmed sequence of tracks. First, program the desired tracks according to Steps 1 through 7 above. When Programmed Playback begins press the REPEAT button twice to activate the All Tracks Repeat feature. The Repeat Indicator comes ‘On’ and all the tracks in your programmed sequence will be repeated continuously.

To cancel Programmed Repeat Playback press the STOP ■ button twice until both the Program and Repeat Indicators go ‘Off’.





## CARE AND MAINTENANCE

### CASSETTE CARE

Two common causes of trouble experienced when using cassettes are:

- 1.) Tape jamming — Leading to uneven speed in playback, and
- 2.) Tape tangling — Where the tape wraps itself around vital parts of the mechanism.

To reduce the likelihood of these problems occurring, the following precautions should be observed:

- Check that there are no loose layers of tape visible through the cassette center window (see Fig. 1). Take up any loose layers, using a pencil or hexagonal barrelled ballpoint pen, before inserting the cassette into the machine (see Fig. 2).

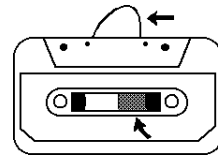


Fig.1

- If the cassette feels “tight” while performing operation shown (see Fig. 2), the tape may be jamming due to “ridges” formed in the winding of the tape (visible through the center window). These may be removed, in most cases, by fast winding of the cassette from one end to the other and back again.

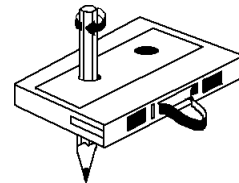


Fig.2

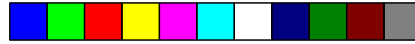
- Use only well-known brands of tape. Avoid use of C-120 cassettes.

Furthermore, do not expose cassettes to direct sunlight, dust or oil, and do not touch the tape surfaces.

### HEAD CLEANING

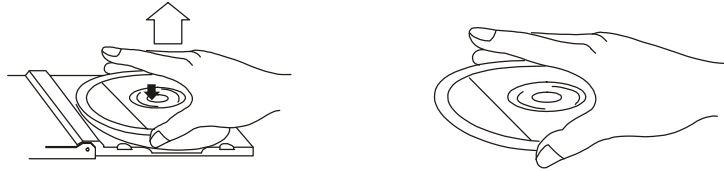
The tape heads, pinch roller and capstan require periodic cleaning. This removes particles of the metal oxide coating that wear off the tape and accumulate on these parts and impair performance. Switch off the power, press the STOP ■ button to open the cassette door, and press the PLAY ◀ button. Clean the tape heads, pinch roller and capstan with a soft cloth or cotton pad dampened in isopropyl alcohol or special tape head cleaner.



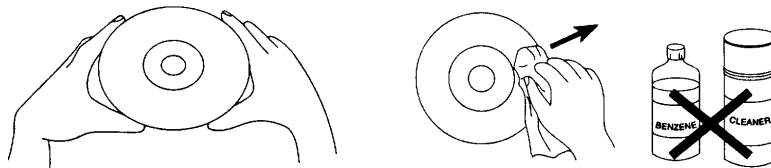


## COMPACT DISC CARE

- To remove a disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.



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



- Clean the disc periodically with a soft, lint-free, dry cloth. Never use detergents or abrasive cleaners to clean the disc. If necessary, use a CD cleaning kit.
- Never write on or affix labels to the surface of compact discs.

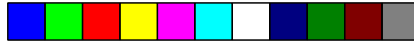
## CARE OF THE CABINETS

- If the cabinets become dusty wipe them with a soft dry dust cloth. Do not use any wax or polish sprays on the cabinets.
- If the front panel becomes dirty or smudged with fingerprints it may be cleaned with a soft cloth slightly dampened with a mild soap and water solution. Never use abrasive cloths or polishes as these will mar the finish of your unit.

### CAUTION:

Never allow any water or other liquids to get inside the unit while cleaning.





## TROUBLESHOOTING GUIDE

**Should this unit exhibit a problem, check the following before seeking service.**

Symptom	Possible Cause	Solution
<b>Radio</b>		
Noise or sound distorted on AM or FM broadcasts.	Station not tuned properly for AM or FM.	Retune the AM or FM broadcast station.
	The antenna is not positioned correctly.	Reposition the unit until best reception is obtained.
FM STEREO indicator does not light.	The FUNCTION switch is set to FM position.	Set the FUNCTION switch FM ST. position.
AM or FM, no sound.	FUNCTION switch is not set to RADIO.	Set FUNCTION switch to RADIO.
	Volume at minimum.	Increase Volume.
<b>Cassette Player</b>		
No sound.	FUNCTION switch is not set to TAPE.	Set the FUNCTION switch TAPE.
	Volume at minimum.	Increase Volume.
Sound distorted. Speed varies.	Dirty head.	Clean the head.
	Tape old or worn.	Replace the tape.
	Dirty roller and capstan.	Clean roller and capstan.
<b>CD Player</b>		
CD Player will not play	FUNCTION switch is not set to CD.	Set FUNCTION switch to CD.
	CD is not installed or installed incorrectly.	Insert CD with label side up.
CD skips while playing.	Disc is dirty or scratched.	Wipe disc with cloth or use another disc.

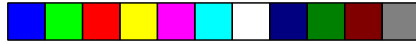


TO FIND THE LOCATION AND PHONE NUMBER OF YOUR NEAREST SERVICE CENTER PERMITTED TO PERFORM WARRANTY...

CALL TOLL FREE: 1-800-695-0098

FOR ADDITIONAL SET-UP OR OPERATING ASSISTANCE  
PLEASE CALL:  
1-800-898-9020

FOR CUSTOMER SERVICE, PLEASE WRITE TO:  
Emerson Radio Corp.  
Consumer Affairs Dept.  
1901 Diplomat Drive,  
Farmers Branch, TX 75234.



**LIMITED WARRANTY**

Emerson Radio Corp. warrants manufacturing defects in original material, including original parts and workmanship, under normal use and conditions, for a period of ninety (90) days from the date of original purchase in the U.S. With your dated proof of purchase, we will provide repair service at no charge for labor and parts at an authorized Depot Repair Facility, or replace the product in our discretion. For repair or replacement, pack your unit in a padded box, enclose your check or money order payable to Emerson Radio Corp. in the amount of \$9.00 (not required by California residents) to cover shipping and handling costs, and enclose a copy of your proof of purchase. Send your unit to:

Emerson Radio Corp.  
1901 Diplomat Drive.  
Farmers Branch, TX 75234.

This warranty does not cover damage from negligence, misuse, abuse, accident, failure to follow operating instructions, commercial use, rental, repairs by an unauthorized facility, or products purchased, used, serviced or damaged outside of the United States.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

**AU898M**



**EMERSON**  
**Part No. : 21-2060**  
**404-01**

**Printed in China**

