RCA (repeated vertically down left margin)

RP-9753 (handwritten, vertical, left margin)

RCA
HIGH FIDELITY

MODEL RP-9753

AUDIO SYSTEM
USE & CARE GUIDE

CONTENTS

PRECAUTIONS █

- **Do Not Open the Cabinet**

  If the cabinet is opened, you may be exposed to dangerously high voltages. Never open the cabinet under any circumstances.

- **Do Not Touch the Pickup Lens**

  The pickup — the heart of the Disc player — is located inside of the disc tray opening. To avoid dust collecting on the pickup, do not leave the tray open for long periods.

  If the lens becomes dirty, clean it with a soft brush or use an air blower brush designed for camera lenses.

- **Do Not Touch the Player with Wet Hands**

  Do not handle the player or power cord when your hands are wet or damp. If water or any other liquid enters the player cabinet, take the player to an authorized service center for inspection.

- **Laser Product Safety**

  This Compact Disc Player uses a laser to "read" the music on the disc. The laser mechanism corresponds to the cartridge and stylus of a traditional record player. Although this product is completely safe when operated according to directions, you should understand that lasers can emit hazardous radiation and can cause damage to eyes if handled improperly.

  — WARNING —
  NEVER OPERATE THIS PRODUCT
  WITH THE CABINET REMOVED.

  CAUTION: use of controls, adjustments or performance of procedures other than those specified here in may result in hazardous radiation exposure.

  Any repairs or internal adjustments should be made only by a trained repairman.

THANK YOU

. . . for selecting RCA. Your new RCA audio system features the superior sound characteristics, quality engineering, and excellent construction that RCA is known for worldwide.

Key features of your new CD player include:

- AM/FM/FM stereo digital tuner with up to 24 station presets
- 3-disc carousel compact disc player for continuous listening pleasure
- Dual-cassette player/recorder
- Full sound controls included convenient equalizer settings for jazz, rock, classical, etc.
- Easy-to-use, multi-function remote control

GETTING STARTED

This Use and Care Guide provides the information you need to set up, operate, and maintain your new RCA audio system. Please read the Use and Care Guide thoroughly to learn how to get the best performance and greatest listening pleasure.

For Your Own Records

Please record the following information. It will be useful if you ever need to contact an RCA dealer regarding service.

Model No. RP-9753

Date of Purchase: _____

Name of Store: _____

Serial No. _____

(see back panel of unit)

GETTING STARTED *(continued)*

Unpacking Your System

Carefully remove all items from the shipping carton. Be sure to remove all packing materials and wrappings.

We recommend that you save the shipping carton and packing materials in the event you want to store, transport, or ship the unit in the future.

Your new RCA audio system includes the following items:

- Tuner/Amplifier unit
- CD/Cassette unit
- Hand-held remote control
- 1-meter FM antenna wire
- AM loop antenna
- Two front speakers
- Two 2-meter speaker wires

Where to Place the System

- Choose a convenient location that provides a solid, level surface. Do not place the unit on a soft surface such as carpeting or foam rubber.

- Select a location away from direct sunlight, radiators, air ducts, and other sources of heat.

- Avoid locations that are subject to moisture, mechanical vibration, shock, or excessive dust.

- Be sure the location provides adequate air circulation. Good ventilation is essential to protect the system from internal heat built-up.

NOTE: Locate your system in a spot that allows for best positioning of the speakers. Optimal sound reproduction occurs when:

- Speakers are placed at least seven feet apart and facing the listener.

- Speakers are placed at least two to three feet out from the wall to prevent accentuated bass response.

- Also see "Placing Speakers," page 6, for suggested speaker positions.

IMPORTANT: MOISTURE CONDENSATION

Moisture is often seen on the inside of the windows in a warm room on a cold winter day. Moisture can also form inside the player in a similar manner in the following cases;

- Immediately after a heater has been turned on.
- In a steamy or very humid room.
- When the unit is suddenly moved from a cold environment to a warm moist one, for example, in moving a unit from a cool air conditioned room to an outside porch on a humid summer day.

If moisture forms inside this player, it may not operate properly. To correct this problem, turn off the power and wait about 20 or 30 minutes for the moisture to evaporate.

BASIC CONNECTIONS

Connecting the Two Units

Your new RCA audio system includes a Tuner/Amplifier unit and a CD/Cassette unit. These are designed so that the CD/Cassette unit rests on top of the Tuner/Amplifier unit.

- Connect the SYSTEM CONTROL plug on the back of the Tuner/Amplifier unit to the SYSTEM CONTROL receptacle on the back of the CD/Cassette unit. Note that the plug has one row of nine pins and one row of eight pins. Insert the plug so that its pins fit into the corresponding slots in the receptacle.

NOTE: Press the plug snugly into place to assure a complete connection. Never connect or disconnect with power on!

CASSETTE/CD UNIT —

TUNER/AMPLIFIER —

BACK OF SPEAKER

SPEAKER CONNECTIONS

+ R −   − L +

FRONT
SPEAKERS
8Ω MIN

SURROUND
SPEAKERS
8Ω MIN

+ R −   − L +
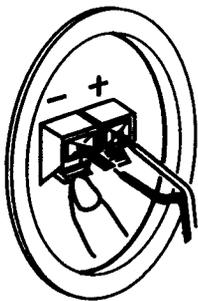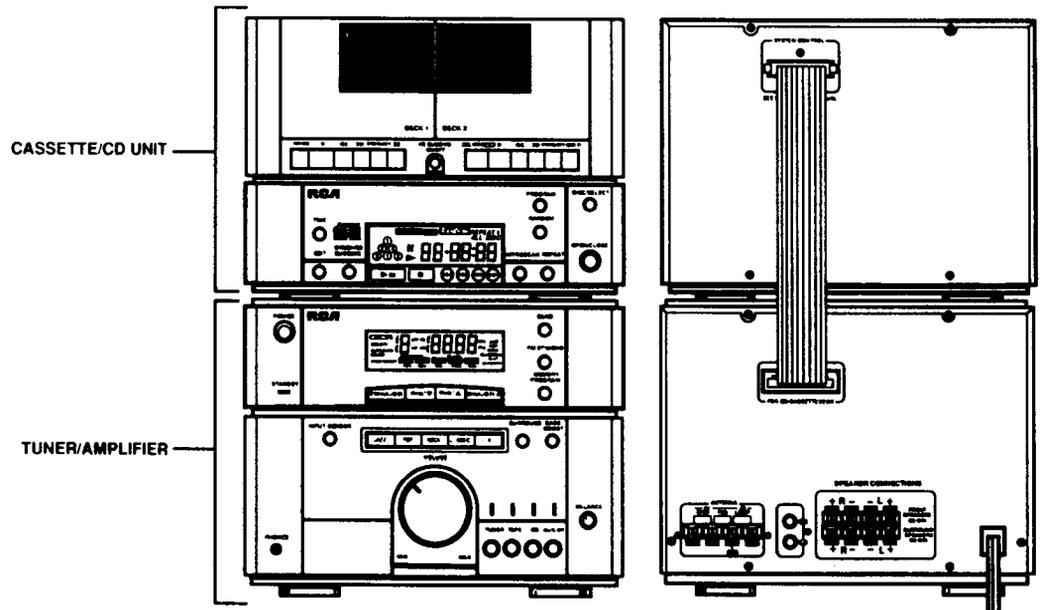
Connecting the Speakers
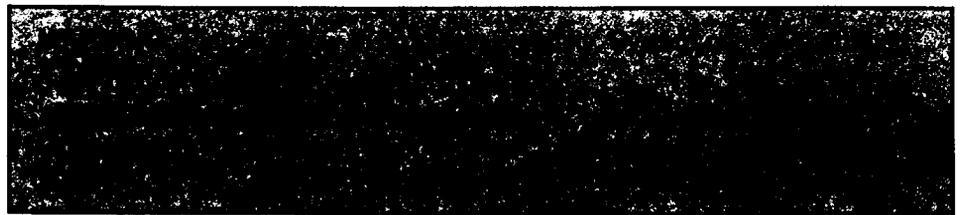
Your system comes equipped with two front and two surround (rear) speaker terminals. All speakers connect to terminals located on the back of Tuner/Amplifier unit. You should connect the front speakers first.

To connect the two front speakers:

- Connect one speaker wire to the terminals on back of one front speaker. Press tabs to open, and insert end of white-striped wire in red (+) terminal and end of black wire in black (-) terminal.

- Run the speaker wire to the terminals labeled FRONT SPEAKERS on back of the Tuner/Amplifier unit and connect to the Left (L) set of terminals. Insert end of white-striped wire in red (+) terminal and end of black wire in black (-) terminal.

- Connect the second front speaker in the same way, using the Right (R) terminals: white-striped wire to red (+) terminal, black wire to black (-) terminal.
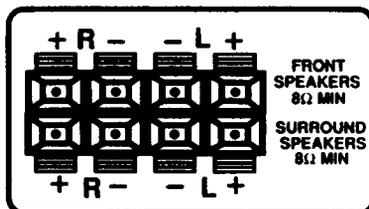
BASIC CONNECTIONS

NOTE: On all speaker connections, be sure that the bare end of each lead makes contact with the terminal.

To connect two surround speakers (not included):

• Use only 8Ω speakers. Speakers with specifications other than 8Ω may be damaged or may damage the system . Such damage becomes the owner's responsibility.

• Follow the same steps used to attach front speakers, but use the terminals labeled SURROUND SPEAKERS to make the connections. Be sure to connect positive (+) to red terminals and negative (-) to black terminals.

To aim the speakers and adjust them for optimal performance, see "Placing Speakers," next.

Placing Speakers

The diagram below shows suggested arrangements of front and surround speakers.
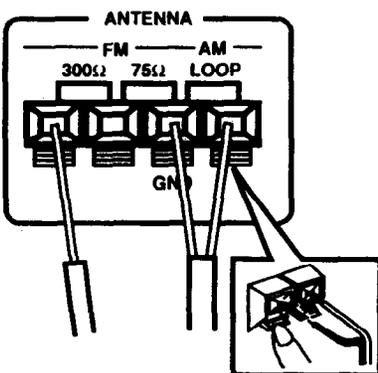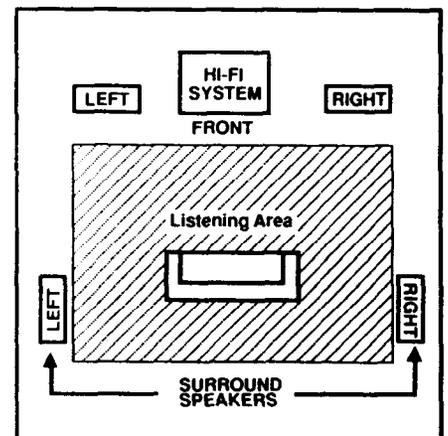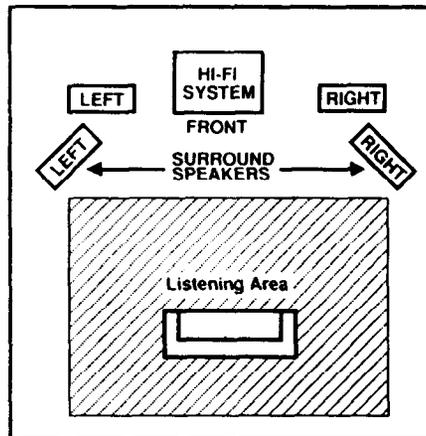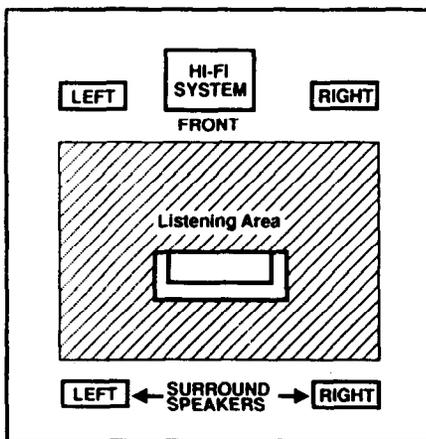
Connecting the Antennas

Two antennas are supplied with your unit: an AM loop antenna and an FM wire antenna. These connect to the rear panel of the Tuner/Amplifier unit. Antennas must be connected for proper AM and FM reception.

• Connect the **AM antenna** to the two terminals labeled "AM LOOP." Press tabs to open and insert either bare wire lead into either terminal. Place antenna on a flat surface and adjust position for best AM reception.

• Connect the bare wire lead of the **FM antenna** to either one of the terminals labeled "FM 300Ω." Press tab to open terminal and insert the lead . Extend the antenna to its full length and adjust for best FM reception.

NOTE: On all antenna connections, be sure that the bare end of each lead makes contact with the terminal.

ANTENNA CONNECTIONS

BASIC CONNECTIONS (continued)

Adding an Auxiliary Component

Use the VIDEO/AUX input jacks on the back of the Tuner/Amplifier unit to add a component that provides an additional source of sound into your system - a tape recorder, CD player, VCR, camcorder, or other compatible device.

• Match the left and right output plugs from the auxiliary component to the Left (L) and Right (R) VIDEO/AUX input jacks.

The auxiliary components provides a source of sound for both playing and recording.

NOTE: The VIDEO/AUX input jacks are not recommended for use in connecting a phonograph.
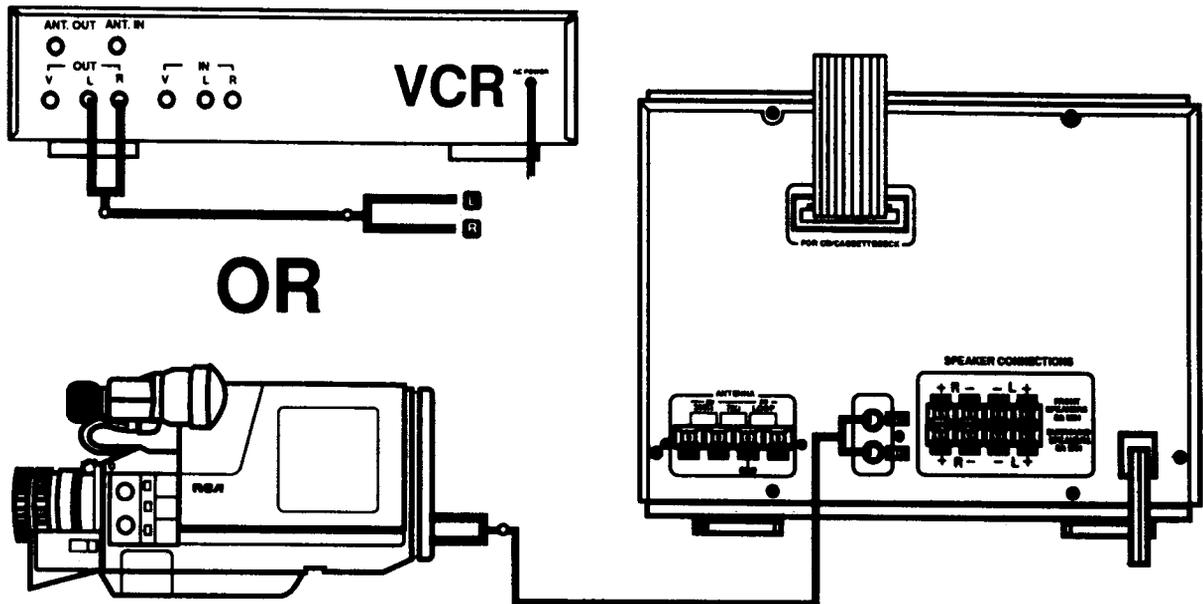
Providing AC Power

• Plug the power cord into an AC power outlet that accepts the polarized plug, which has one blade wider than the other.

The red STANDBY indicator will light (even though the POWER button is off) to show that the unit is plugged in and ready to operate.

IMPORTANT: The polarized plug is an important safety feature. It will fit into the power outlet only one way. If the plug won't go into the outlet completely, reverse it and try inserting it the other way. If it still won't fit, contact a qualified electrician to change the outlet, or use a different one. **Do not attempt to bypass this safety feature.**

Connecting Headphones

• Connect headphones using the PHONES jack on the front of the unit.

Connecting headphones automatically cuts off sound to all speakers.
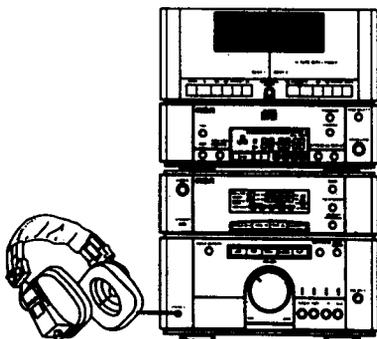
BASIC OPERATING INSTRUCTIONS
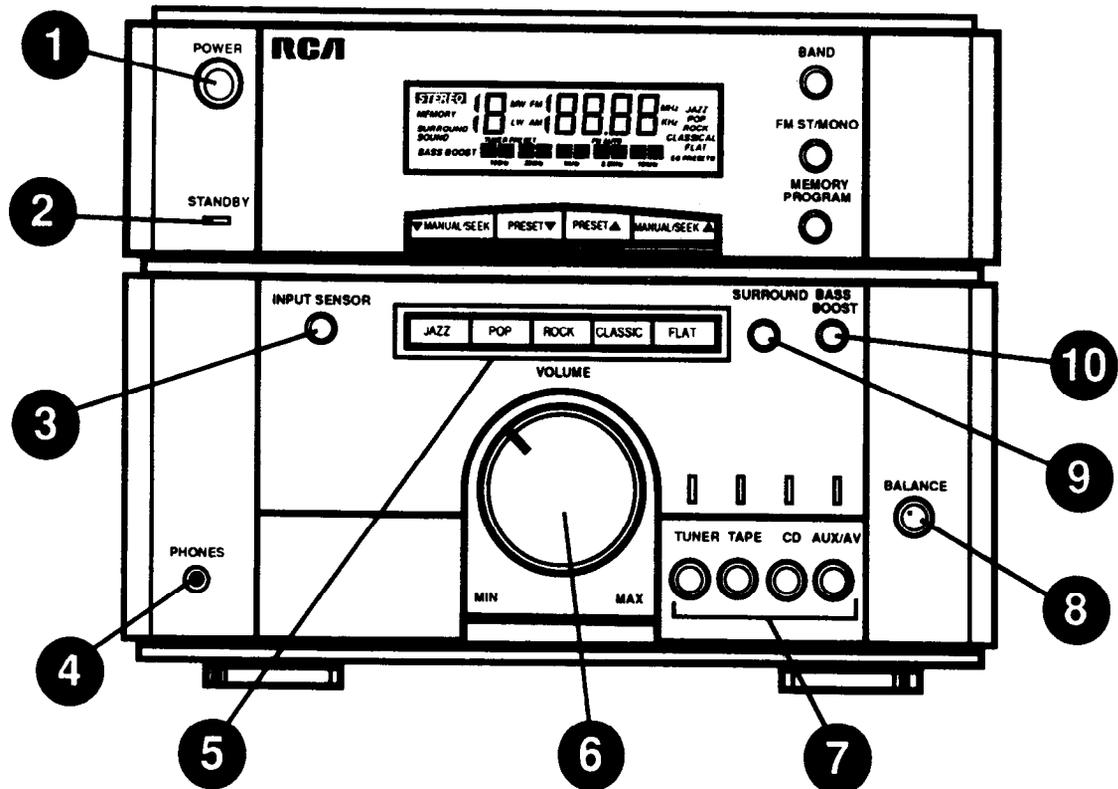
1. POWER button
2. STANDBY indicator
3. SENSOR for remote control
4. PHONES jack
5. EQUALIZER selector buttons

6. VOLUME
7. SOURCE buttons (TUNER, TAPE, CD, AUX/AV)
8. BALANCE
9. SURROUND BUTTON
10. BASS BOOST BUTTON

NOTE: See "USING THE REMOTE CONTROL," page 25, for instructions on operating your system from a distance.

POWER

STANDBY

POWER ON Mode

• Press the POWER button and release.

The LCD display lights, and the system begins operating from the sound source last selected — the tuner, the dual tape deck, the CD player, or a properly connected auxiliary component.

STANDBY Mode

• With power on, press the POWER button and release. (You can press POWER on the unit itself or on the remote control.)

The LCD display goes off, and the STANDBY indicator comes on.

BASIC OPERATION INSTUCTIONS (continued)

TUNER TAPE CD AUX/AV

Selecting a Source of Sound

The source selector buttons — TUNER, TAPE, CD, and AUX/AV — indicate the sources of sound available to you through the system.

* To select a source of sound, simply press the button that represents the desired source. The system shifts to the selected source.

Adjusting Volume

* Turn the VOLUME dial clockwise to increase volume. Turn it counter-clockwise to decrease volume.

  NOTE: The "mute" function is available through the remote control. Press the MUTE button to suspend the output of sound. Press MUTE again to restore volume to the current setting.

BALANCE

Adjusting Balance

* Turn the BALANCE dial clockwise to increase the proportion of sound delivered to the Right speakers.
* Turn the BALANCE dial counterclockwise to increase the proportion of sound delivered to the Left speakers.
* Set the dial to the "center" position to deliver the same load of sound to all speakers.

Selecting Equalizer Settings

* Press the button that provides the set of frequency adjustments that you find most suitable to your listening material or listening taste.

  You can select from JAZZ, POP, ROCK, CLASSICAL, or FLAT (all frequencies given equal emphasis).

JAZZ	POP	ROCK	CLASSIC	FLAT
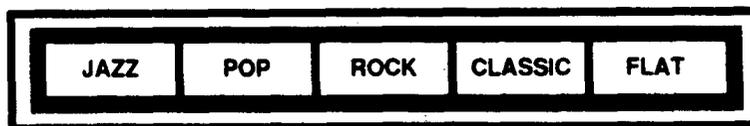
When you select a setting, the display shows the graphic equalizer adjustments for that setting.

BASS
BOOST

Bass Boost

Use BASS BOOST to increase the bass response delivered to all connected speakers, both front and surround.

* Press the BASS BOOST button to activate this option ("BASS BOOST" message appears on the display).
* Press the button again to turn the option off ("BASS BOOST message not displayed).

BASIC OPERATING INSTRUCTIONS (continued)

Bass boost is intended to enhance the quality of sound at low-volume levels. This option should usually be set to OFF at higher volumes to prevent possible distortion of sound and damage to speakers.

Surround Sound

SURROUND

Use SURROUND to activate the "surround sound" effect. The effective change applies to all speakers.

- Press the SURROUND button to turn this option on ("SURROUND SOUND" message is displayed).

- Press the button again to turn the option off ('SURROUND SOUND" message not displayed).

USING THE TUNER (RADIO)
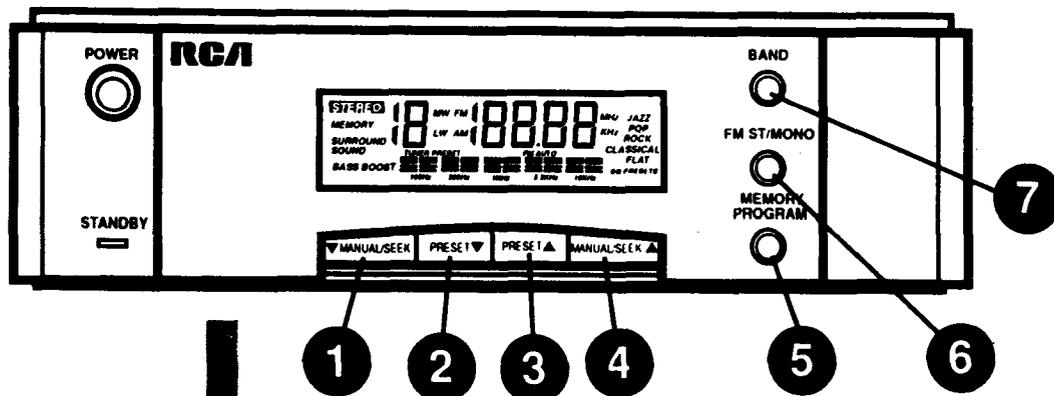
1. MANUAL SEEK DOWN
2. PRESET DOWN
3. PRESET UP
4. MANUAL/SEEK UP

5. MEMORY PROGRAM
6. FM ST/MONO
7. BAND

TUNER

Selecting the Tuner

Your new RCA system includes a tuner that lets you listen to receivable AM and FM radio signals.

- To select the tuner, press the TUNER selector button. The display indicates the tuner's current setting. For example:
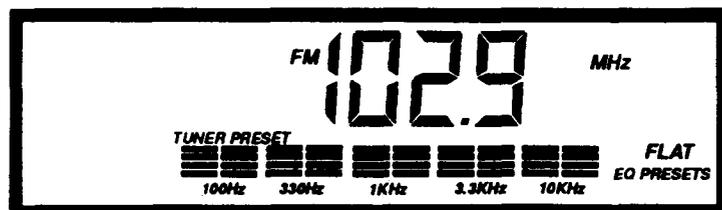
AM can be received from 530 to 1720 KHz. FM can be received from 87.9 to 107.9 MHz.

BASIC OPERATION INSTUCTIONS (continued)

Switching Between AM and FM

- To change from AM to FM (or vice versa) press the BAND button.

  Pressing BAND switches the system back and forth between the two reception modes.

Tuning in a Station

- Press and hold MANUAL/SEEK ▼ or MANUAL/SEEK ▲ for at least one second and the tuner will scan automatically down or up for a receivable radio signal. It stops when it reaches a signal that is strong enough for clear reception.

  Press and hold again to resume the search.

- Press MANUAL/SEEK ▼ or MANUAL/SEEK ▲ to move down or up a single tuning step. Use this option to search for stations manually or to fine tune reception of a weak station.

- Press and hold MANUAL/SEEK ▼ or MANUAL/SEEK ▲ to move rapidly down or up to a desired point in the frequency range. Release when the desired frequency is reached, and the system stops on the first station with a strong enough signal for clear reception.

Storing Stations in Memory (Tuner Presets)

The system can store up to 24 different stations — 16 FM and 8 AM — for easy selection later on.

To store a preset station: Select an AM or FM station using the tuning options explained in the preceding section. Press MEMORY PROG once. The display flashes the "MEMORY" message, giving you 5 seconds to select a preset number — from 1 to 8 for AM stations, from 1 to 16 for FM stations.

- While the "MEMORY" message is flashing, press PRESET ▼ or PRESET ▲ to reach the preset number that you want to store the station.

- While the "MEMORY" message is flashing, press MEMORY PROG again to confirm the selection.
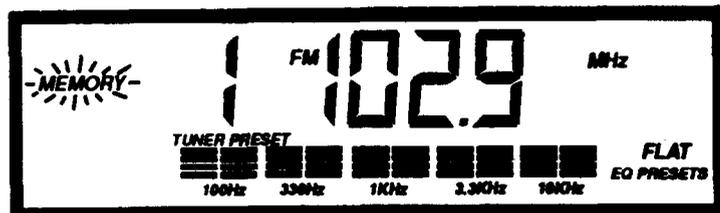
The station is stored, and its preset number is displayed.

NOTE: Storing a station in memory automatically erases any station previously stored under the selected preset number.

BASIC OPERATION INSTRUCTIONS (continued)

Selecting a Preset Station

To select a preset station:

- Select the desired tuning mode (AM or FM). Press the BAND button to switch between the two modes.

- Press PRESET ▲ or PRESET ▼ to reach the number that stores the desired station.

  The display shows the currently selected preset number.
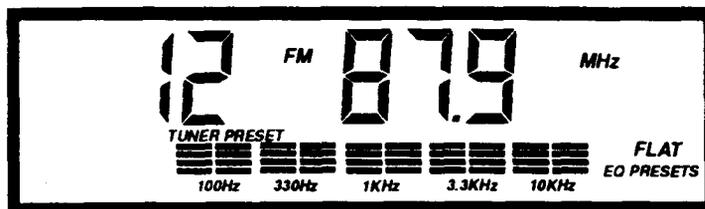
NOTE: If power is interrupted or if the unit is unplugged, tuner presets are retained for approximately 7 days. After 7 days, these settings must be reprogrammed.

FM Stereo Reception

Reception in FM Stereo mode provides the "fuller" sound available in broadcasts that feature an FM stereo signal.

- Press the FM ST/MONO button to set the tuner to FM Stereo mode before you start tuning for a station. The FM AUTO message appears on the display.

- While you are tuning, the "STEREO" message lights on the display whenever you're receiving a station in clear FM stereo.

- If reception is weak in FM Stereo mode, press the FM ST/MONO button to turn the FM Stereo option off ("FM AUTO" message not displayed). This will improve reception by reducing static (but will also cancel the stereo effect).
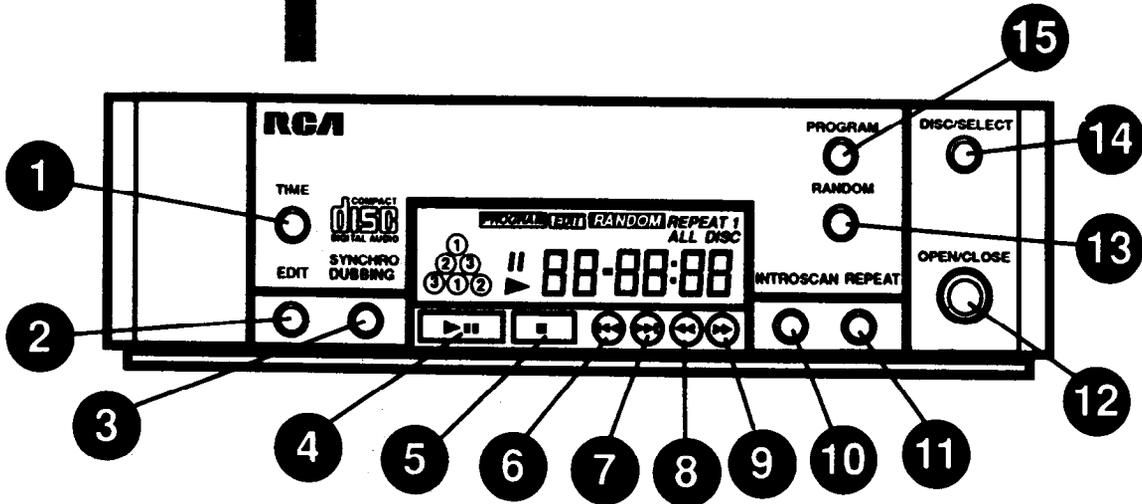
1. TIME
2. EDIT
3. SYNCHRO DUBBING
4. PLAY/PAUSE
5. STOP
6. TRACK REVERSE
7. TRACK FORWARD
8. SEARCH REVERSE

9. SEARCH FORWARD
10. INTRO SCAN
11. REPEAT
12. OPEN/CLOSE
13. RANDOM
14. DISC SELECT
15. PROGRAM

Reading the Display

1. Currently selected disc (uppermost number)
2. Play (►) or pause (**II**) indicator
3. Current track number
4. Time information (see "Setting the Display")
5. Program, Edit, Random, and Repeat indicators
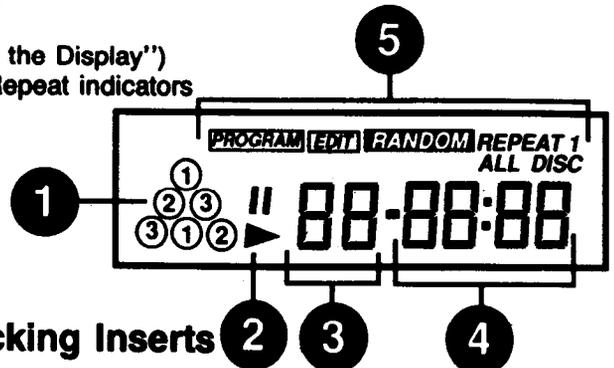
CAUTION: Remove Locking Inserts

Two plastic inserts are included to lock and protect the disc tray during shipping. **Before operating the compact disc player, you must remove these inserts.**

• With the system in POWER ON mode, press OPEN/CLOSE on the compact disc player to open the disc tray.

• Turn each insert clockwise until it stops, then lift the insert out to remove it.

Be sure to save the inserts for future use in transporting the system.
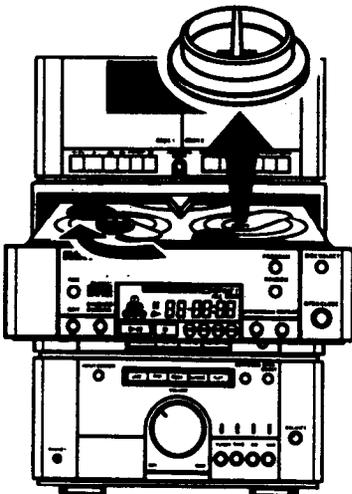
CD

OPEN/CLOSE

Selecting the Compact Disc Player

* To select the compact disc player, press the CD selector button. The system will now operate with the CD player as the selected source of sound, available for playback or recording.

Loading and Removing Discs

The disc tray holds up to 3 compact discs, accommodating either 5-inch or 3-inch sizes. To load discs:

* Press the OPEN/CLOSE button. The disc tray slides out.

* Place discs on the tray, label side up.
* If necessary, press the DISC SELECT button to rotate the tray and provide access to the rear compartment.

   NOTE: Discs play in numerical sequence (first 1, then 2, then 3). If you want to play the discs in a particular sequence, insert them in the desired order.

   NOTE: When you switch to POWER ON mode, the disc in the rear compartment (beneath the laser arm) is recognized as disc 1. If the rear compartment is empty, the CD player will recognize the first disc it accesses as disc 1.

* Press OPEN/CLOSE to close the disc tray.

NOTE: To play a 3-inch (8 cm) disc, be sure to place it in the recessed inner circle of the disc tray. Never place a standard 5-inch (12 cm) disc on top of a 3-inch disc.

To remove discs:

* Press ■ (STOP) to stop play.
* Press the OPEN/CLOSE button. The disc tray slides out, allowing you to remove discs.
* Press DISC SELECT to rotate the tray and provide access to the rear disc compartment.
* Press OPEN/CLOSE to close the disc tray.

Playing Discs

* Load the discs you want to play, as described in the previous section.

- If the CD player is in stop mode, press ►/II (PLAY/PAUSE) and the first available disc will start to play. The display flashes the number of the currently playing disc above the numbers of the other two discs.
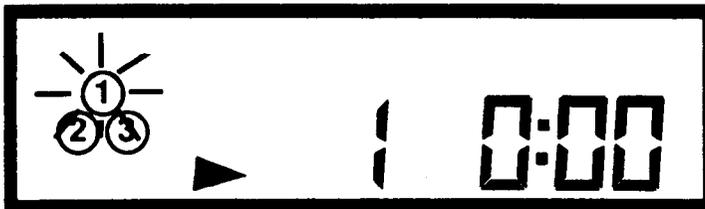
Play starts with the first track of the selected disc and continues sequentially through the last track on disc 3. The compact disc player then enters stop mode.

During play, the display shows the number of the current track and the elapsed time since the start of that track. For example, the display would look like this if track 4 is playing and 3 minutes and 5 seconds have elapsed since it started:

NOTE: See "Setting the Display," page 16, for additional display options.

- **To pause** during playing of a disc, press ►/II (PLAY/PAUSE). The pause symbol II displays in pause mode. Press ►/II a second time to resume.

- **To stop** play at any time, press ■ (STOP).

NOTE: When you press the DISC SELECT button, the disc tray moves ahead to the next compartment. If the compartment is empty, the current disc number shown in the display will remain steady and the display will show zeros.
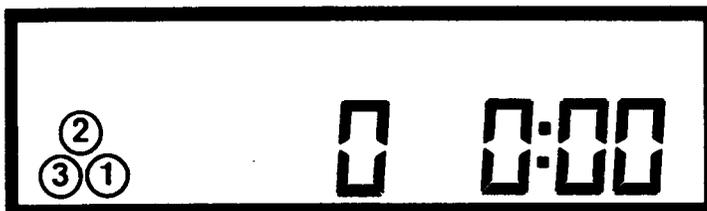
NOTE: If a disc is playing, pressing DISC SELECT will move the disc tray ahead to play the next available disc, skipping empty compartment, and stopping on disc 3.

NOTE: When you press ►/II (PLAY/PAUSE) starting from stop mode, the currently selected disc plays. If the compartment is empty, the disc tray moves ahead to play the next available disc, skipping empty compartments.

Playing and Loading Discs Simultaneously

You can open the disc tray without stopping the currently playing disc. Simply press OPEN/CLOSE on the CD player, and the tray opens, providing access to the two front disc compartments. Play continues without interruption.

Skipping to a Specific Track

You can move quickly to the start of any track on the current disc by using the TRACK buttons. The disc may be in play, pause, or stop mode.

• To skip forward to the start of the next track, press ▶▶I (track forward).

• To skip back to the start of the previous track, press I◀◀ (track reverse).

If you skip to a new track while the disc is playing, the selected track begins to play automatically. To play the selected track starting from stop or pause mode, press ▶/II (PLAY/PAUSE).

Search Forward /Reverse

You can move quickly forward or backward within the current disc by using the SEARCH buttons. The CD player may be in play or pause mode.

• Press and hold ▶▶ (search forward) to move rapidly ahead.

• Press and hold ◀◀ (search reverse) to move rapidly backward.

• Release the button at the desired point.

  If the CD player is in play mode, play continues from that point at normal speed. If the unit is in pause mode, press ▶/II (PLAY/PAUSE) to resume play at normal speed.

Setting the Display

While a disc is playing, the display shows the track currently playing and the elapsed playing time of that track:
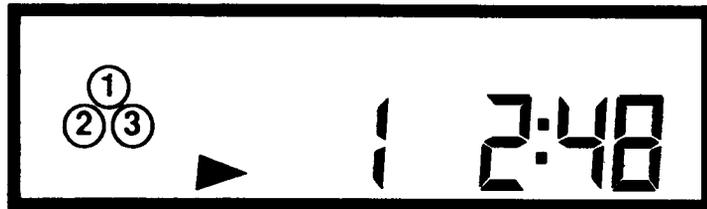
• Press the TIME button to show time remaining on the current track:

• Press TIME again to show the time remaining on the entire disc:

- Press TIME again to return to the original display of elapsed time since the start of the current track.

- Press STOP to stop play and show the total number of tracks and total playing time of the selected disc.

```
  ①
 ②③          10 44:23
```

Programming the Order of Tracks

You can program the CD player to play tracks in any desired order, using discs in any sequence, and repeating tracks as often as you like. The program may contain up to 32 tracks. Follow the steps explained here to enter and play a program.

Preparing to Program Tracks:

1. Press CD to select the CD player as the source of sound.

2. Load all desired discs.

   NOTE: When you enter program mode in step 4, the disc in the front left compartment of the disc tray will be recognized as disc 1. To help keep track of which disc is in which position, you may want to leave the disc tray open while entering the program.

3. If a disc is playing, press ■ (STOP).

Entering and Playing the Program:

4. Press PROGRAM to enter program mode.

   The display shows the "PROGRAM" message and indicates the program step number as "01." The display flashes disc 1 and shows its position in the front left of the disc tray.

   You can follow steps 6 and 7 to program tracks from disc 1 while the display flashes disc 1.

```
 PROGRAM
    ③
   ①②        0 P-01
```

5. Press DISC SELECT to select the disc that contains the desired track. The display flashes the currently selected disc.

```
 PROGRAM
    ①
   ②③        0 P-02
```

6. Press ▶▶❙ (track forward) or ❙◀◀ (track reverse) to select the track from the selected disc. The track number is displayed before the "P." For example, track 3 from disc 1 displays like this:

```
┌─────────────────────────────────────┐
│  |PROGRAM|                           │
│                                      │
│      ③         ╕ ╔═ ╔═ |             │
│   ─①─②       ╪ │╵─ ║ ║ │             │
│                                      │
└─────────────────────────────────────┘
```

7. Press PROGRAM to lock in the selected track.

8. Repeat steps 5 to 7 to store additional tracks, up to a maximum of 32.

9. When you've programmed all the tracks you want to play, press ■ (STOP) to store the program.

10. Press PROGRAM to activate the program, then press ▶/❙❙ (PLAY/PAUSE) to play it. The display shows the message "PROGRAM" while the program is playing.

```
┌─────────────────────────────────────┐
│     ╲│╱  |PROGRAM|                   │
│   ─①─                                │
│    ②③      ╕       ╻ ╺╮ ╺╮          │
│         ▶   ╪       ╵ ║║ ╵           │
│                                      │
└─────────────────────────────────────┘
```

Play continues to the end of the last programmed track. The CD player then enters stop mode.

NOTES:

• To skip ahead to the next track in the program, press ▶▶❙ (track forward). Press ■ (STOP) to stop play. The program is deactivated (but still stored in memory for later use) and the CD player will play tracks in normal sequence. To play the program again, press PROGRAM to reactivate the program, then press ▶/❙❙ (PLAY/PAUSE).

Canceling a Program

• Press ■ (STOP) to stop play and set CD player to stop mode.

• Hold down the PROGRAM button and press ■ (STOP).

NOTE: The program is automatically canceled when the system is switched from POWER ON to STANDBY mode.

Repeating Discs and Tracks

The repeat feature allows you to repeat play of a single track, a single disc, a programmed set of tracks, or all discs in the disc tray. Pressing the REPEAT button moves the display through the following options: repeat 1 (current track), repeat disc, repeat all discs (or all programmed tracks), repeat feature off.

```
┌─────────────────────────────────────┐
│     ╲│╱              |REPEAT 1|      │
│   ─①─                                │
│    ②③                                │
│         ▶    |    ╻ ╺╮               │
│              |    ╵ ║║               │
└─────────────────────────────────────┘
```
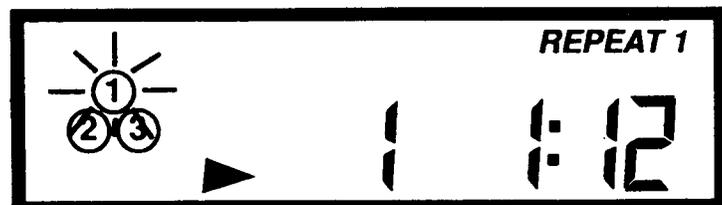
- To repeat the current track continuously, press REPEAT to select the "REPEAT 1" option.

- To repeat the current disc continuously (or all tracks in a program), press REPEAT to select the "REPEAT DISC" option.

- To repeat continuously all discs in the disc tray, press REPEAT to select the "REPEAT ALL DISC" option.

- To cancel the repeat feature, press REPEAT until no repeat message appears on the display.

Playing Tracks in Random Order (Shuffle)

The random feature lets you play tracks in random order. Selections are played in random sequence until all tracks have been played.

- Press RANDOM to switch the random feature on.

  When random mode is active, the display shows the "RANDOM" message. A maximum of 20 tracks per disc and 60 tracks total can be shuffled, with tracks beyond those maximums not playing.
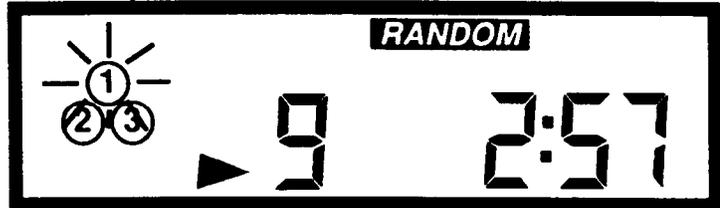
- Press RANDOM again to switch the random feature off.

NOTE: You can activate repeat and random modes at the same time to provide a fresh, continuous sequence of sound.

INTRO SCAN Feature

INTROSCAN

This option lets you "preview" tracks, playing the first 10 seconds of each track before moving to the next.

- Press INTRO SCAN to begin the scanning process.
  The scan begins with the current track and continues through the last track on disc 3. The CD player then enters stop mode.

- To stop the scan and allow a track to continue playing, press INTRO SCAN a second time. Play continues forward, in sequence, through all remaining tracks.

RECORD

SYNCHRO DUBBING

SYNCHRO Dubbing from CD to Tape

The SYNCHRO DUBBING feature lets you initiate play of a disc and recording of that disc onto cassette by pressing a single button.

- Press the CD selector button.
- Insert the cassette in tape deck 1 and press RECORD.
- Insert the disc and select the desired track.
- Press SYNCHRO DUBBING.

Play of the disc and taping of it onto the cassette begin simultaneously.

NOTE: See "Important Recording Points," page 23, for additional recording guidelines.

Compact Disc EDIT Feature

Use the EDIT feature on the CD player to automatically calculate the number of tracks on a selected disc that will fit on a cassette of a designated length. This feature prevents "running out of room" during a recording.

1. Press CD to select the compact disc player.

2. Insert the cassette you will record on in tape deck 1.

3. Press RECORD to prepare the tape deck to record.

4. Insert the disc you want to record from and select it using the DISC SELECT button.

5. Press the EDIT button.

   The display flashes the selected disc and shows the EDIT message. It also shows 46:00 as the preliminary setting for total playing time of the cassette (Total playing time includes both sides.)
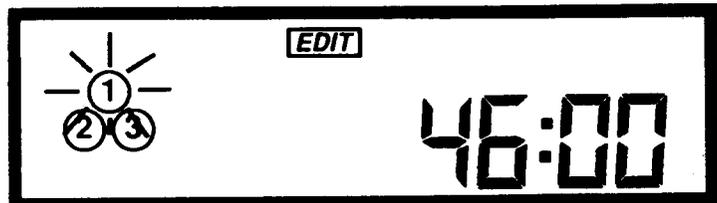
6. To change the cassette's total playing time, press ▶▶I or I◀◀. The options available are 46, 54, 60, and 90 minutes — standard playing times for cassettes.

7. To adjust a selected standard playing time in one-minute increments, press ▶▶ or ◀◀.

USING THE COMPACT DISC PLAYER (continued)

8. Press EDIT. The CD player enters pause mode, and the display shows the total playing time of tracks that can fit onto side A of the cassette.

9. Press the SYNCHRO button on the CD player.

The cassette in tape deck 1 advances for 8 seconds (to prevent recording onto the tape's "leader"). After 8 seconds, the disc begins playing and is recorded onto the cassette.

When the selected tracks have been played, the tape deck stops automatically, and the CD player enters pause mode and displays "b" to indicate that it is ready to play the tracks that will fit on side B of the cassette. Advance the tape to end of side A by pressing ▶▶ (fast forward).

10. Take the cassette out and reverse it so that recording can continue on side B.

11. Press RECORD on tape deck 1.

12. Press SYNCHRO DUBBING on the CD player.

The cassette advances 8 seconds, then play of the disc and recording onto the cassette begin. The CD player stops automatically when it has played all tracks that will fit on side B of the cassette.

USING THE DUAL TAPE DECK
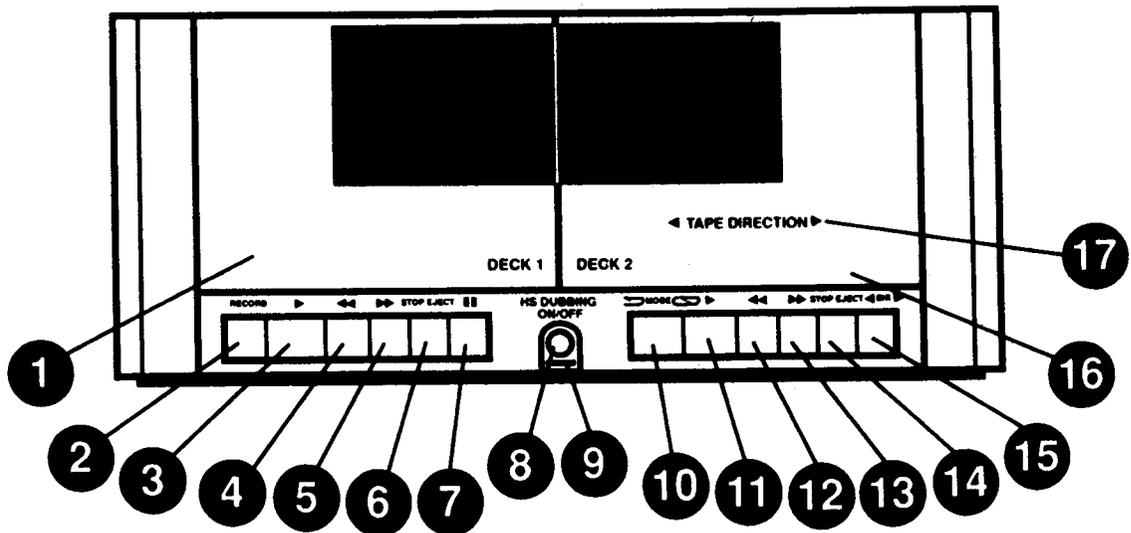
1. DECK 1 (Play/Rec)	10. MODE
2. RECORD	11. PLAY
3. PLAY	12. REWIND
4. REWIND	13. F.FWD
5. F.FWD	14. STOP/EJECT
6. STOP/EJECT	15. DIRECTION
7. PAUSE	16. DECK 2 (Play Only)
8. HS DUBBING BUTTON	17. TAPE DIRECTION LED
9. HS DUBBING INDICATOR	INDICATORS

TAPE

○

◄◄   ►►

‖
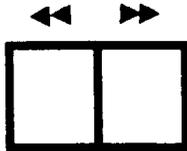
Selecting the Tape Deck

• To select the dual tape deck, press the TAPE selector button. The system switches to the tape deck as the selected source of sound:

Inserting and Removing Cassettes

To insert a cassette in either tape deck 1 or tape deck 2:

• Press STOP/EJECT to open the door of the tape deck.

• Insert the cassette with the exposed part of the tape facing down.

• Push the door closed. The cassette is now properly inserted.

To remove the cassette, press STOP/EJECT. The tape deck door opens and the tape can be removed.

NOTE: If the cassette is playing, press STOP/EJECT once to stop play, a second time to open the tape deck door.

Important Tape Deck Functions

• Press ◄◄ (rewind) deck 1, to rewind the tape rapidly. The function stops automatically when the end of the tape is reached.

• Press ►► (fast forward) deck 1, to go forward quickly to any point on a tape. The function stops automatically when the end of the tape is reached.

• Press ◄◄ or ►► (fast wind), Deck 2, to **rewind** or **fast forward** positions of the tape quickly. Press the fast wind button with the symbol indicating the **opposite** direction in which the tape was traveling to **rewind**. Press the fast wind button with the symbol indicating the **same** direction to **fast forward**. The tape direction is indicated by the lighted tape direction LED.

• Press STOP/EJECT to halt all tape functions currently in progress, including play, fast forward, rewind, and record.

• On tape deck 1, press PAUSE to suspend cassette playing and recording functions. Press PAUSE a second time to resume.

Playing a Cassette (One Side) on Deck 1

Cassettes in deck 1 play from the left reel to the right, then stop — so to play an entire side of a cassette, you need to begin with the full reel on the left.

• Insert the cassette you want to play.

• To begin play, press the ► (PLAY) button.

  Play will continue until the left reel is empty.

• **To pause** during play, press ‖ (PAUSE). Press ‖ again to resume.

• **To stop** play, press STOP/EJECT.

To play the other side of the tape in deck 1, reverse the tape and insert it with the full reel on the left.

Playing a Cassette (Both Sides) on Deck 2

Tapes in deck 2 can be set to play in either direction — from left to right or from right to left.

⊃MODE⊂

• Insert the cassette you want to play.

• Select the desired direction of play by pressing the ◄ DIR ► button. The direction of play is indicated by the lighted LED.

• Select the desired play mode:

1) One-Play Mode: Press MODE button to the "in" position. Tape deck 2 plays to the end of one side, reverses automatically and plays the other side, then stops.

2) Continuous Loop Mode: Set MODE button to the "out" position. Tape deck 2 plays both sides of the cassette continuously until you press STOP/EJECT.
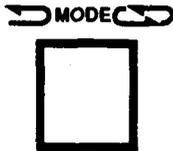
• Press ► (PLAY) to begin playing the cassette.

• Press STOP/EJECT to stop play.

Playing Two Cassettes Without Interruption

To play two cassettes without interruption (first tape deck 2, then deck 1):

• Insert a cassette in each tape deck, both with the full reel on the left.

• Use the ◄ DIR ► button to select left-to-right play direction for deck 2.

• Set MODE button to the "in" position.

• Press ► (PLAY) on tape deck 2. Play begins.

• Press II (PAUSE) on tape deck 1.

• Press ► (PLAY) on tape deck 1.

After both sides have played, the cassette in tape deck 2 will stop, and the cassette in deck 1 will start playing.

To stop the cassette in deck 2 and start the cassette in deck 1, press STOP/EJECT on deck 2. The cassette in deck 1 will begin playing automatically.

Important Recording Points

• You can record on tape deck 1 only.

• You can record from any source other than tape deck 1, including tape deck 2, the CD player, the tuner, and any properly connected auxiliary sources such as a VCR or second cassette deck.

• The recording level is automatically adjusted. Adjusting volume, balance, equalizer settings, bass boost, etc., will not affect recording.

• When you plan to record at the start of a cassette, advance the tape by pressing PLAY, then press STOP/EJECT after 4 to 5 seconds have passed. This prevents recording onto the cassette's "leader," a blank piece of tape at the start and end of every cassette.

Recording from a Compact Disc

- Press the CD selector button to select the compact disc player as the source for recording.
- Load the disc you want to record from and select it using the DISC SELECT button.
- If necessary, press ►►I (track forward) or I◄◄ (track reverse) to reach the desired track.
- Insert the cassette you will record on in tape deck 1, advancing past the tape's leader if necessary.
- Press RECORD button on tape deck 1. (PLAY depresses automatically.).
- Press SYNCHRO on the CD player to begin recording.

Recording will continue sequentially until you stop the record function or until the tape ends.

NOTE: To stop the cassette from recording, press ■ (STOP) on the CD player, then press stop/eject button on the cassette to return the record button to its normal position.

HS DUBBING ON/OFF

Dubbing (Copying) a Cassette

To copy at normal playing speed, be sure the HIGH SPEED DUBBING button is in the "out" position.

To copy at high speed, press the HIGH SPEED DUBBING button to the "in" position.

- Press the TAPE selector button to select the tape player.
- Insert the cassette you want to copy in tape deck 2.
- Insert the cassette you will record on in tape deck 1, advancing past the tape's leader if necessary.
- Press PAUSE on deck 1.
- Press RECORD on deck 1. (PLAY depresses automatically.)
- Press PLAY on deck 2.
- Playback of tape 2 and recording onto tape 1 begin simultaneously. (PAUSE automatically releases on tape deck 1.)
- Press STOP/EJECT on tape deck 1 to stop the recording process. The cassette in deck 2 continues to play until you stop it separately or until the tape ends.

> IMPORTANT: This product is capable of substantial uses that do not constitute infringements under the Copyright Laws. It is sold only for such uses, and it should not be used to infringe the Copyrights of others.

Recording a Radio Broadcast

- Insert the cassette to be recorded on in tape deck 1, advancing past the tape's leader if necessary.
- Press TUNER to select the tuner as the source for recording.
- Press the RECORD button on tape deck 1 to start recording. (PLAY depresses automatically.)

Recording continues until the tape ends or until you press STOP/EJECT or PAUSE to interrupt the recording process.

USING THE DUAL TAPE DECK (continued)

AUX/AV

Recording from an Auxiliary Source

• Connect the auxiliary sound source (a VCR, another tape deck, etc.) as described on page 7.

• Press AUX to select the auxiliary unit as the source of sound.

• Insert the cassette to be recorded on in tape deck 1, advancing past the tape's leader if necessary.

• Press the RECORD button to begin recording from the auxiliary source. (PLAY depresses automatically.)

Recording continues until the tape ends or until you press STOP/EJECT or PAUSE to interrupt the recording process.

USING THE REMOTE CONTROL
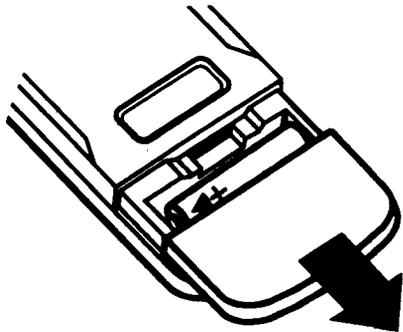
Installing Batteries

• Slide cover off battery compartment.

• Install 2 "AAA" batteries. Be sure to position the batteries in the directions indicated inside the battery compartment.

• Replace the cover.

NOTE: When changing batteries, please be sure to dispose of old batteries properly, observing all state and local regulations.
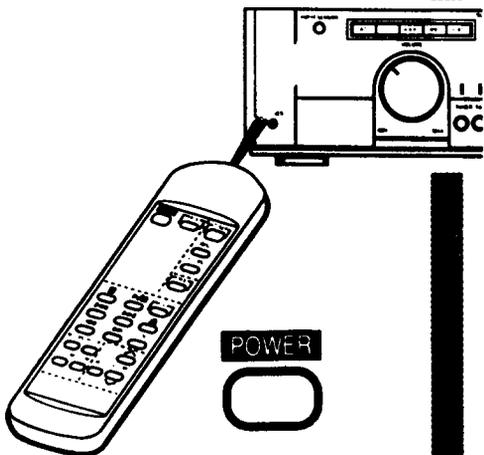
The remote control allows you to control basic functions of your audio system from a distance. To use the remote control effectively, always aim the top of it directly at the SENSOR eye while pressing the function buttons.

The remote control provides remote selection of the TUNER, TAPE, CD, and AUX selector buttons, and remote operation of the compact disc player and the tuner. Operate the dual cassette deck using the controls located on the CD/Cassette unit.

Turning the System On and Off

• Press the POWER button to switch from STANDBY to POWER ON mode. The system begins operating with the sound source that was active when the system was last used.

• Press the POWER button to switch from POWER ON to STANDBY mode.
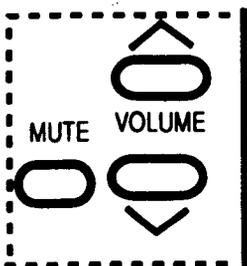
Adjusting Volume

• Press VOLUME ▲ to increase volume.

• Press VOLUME ▼ to decrease volume.

• Press MUTE to suspend the output of sound. The red indicator light on the VOLUME dial flashes when mute is active.

• Press MUTE again to restore volume to the current setting.

USING THE REMOTE CONTROL (continued)
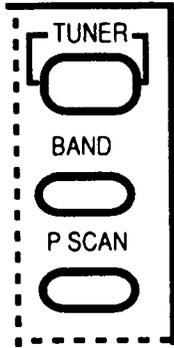
Playing the Tuner (Radio)

- Press TUNER to select the tuner as the source of sound.

- Press BAND to switch from FM to AM and vice versa.

- Press P.SCAN to automatically scan preset stations. The system pauses to play each preset for 5 seconds, giving you the chance to stop on the station or allow the scan to continue. Press P.SCAN again to stop on a desired station or to stop the scan process.

Playing Compact Discs

Be sure the desired discs are inserted in the disc tray.

- Press CD to select the compact disc player as the source of sound.

- Press ►/II (PLAY/PAUSE) to begin play.

- Press ►/II (PLAY/PAUSE) to suspend play. Press again to resume.

- Press ■ (STOP) to stop play.

- Press ►►I (track forward) to move to the start of the next track or I◄◄ (track reverse) to move to the start of the previous track.

- Press and hold ►► (search forward) to move rapidly ahead.

- Press and hold ◄◄ (search reverse) to move rapidly backward.

- Press ▲ (open/close) to open the disc tray.

- Press DISC to advance to the next disc compartment.

- Press INTRO SCAN to turn the intro scanning feature on and off.

- Press REPEAT to advance through the repeat options: repeat track, repeat disc, repeat all discs, repeat off.

- Press RANDOM to turn the random (shuffle) feature on and off.

Programming the CD Player with the Remote Control:

- **Press ■ (STOP) to stop play.**

- Press PROGRAM to enter program mode. The display shows disc 1 in the front left of the disc tray.

- Press DISC to select the disc that contains the desired track. The display flashes the selected disc.

- Press ►►I (track forward) or I◄◄ (track reverse) to select the desired track. The track number is displayed before the "P."

- Press PROGRAM to lock in the selected track. Repeat the preceding three steps to store additional tracks, up to a maximum of 32.

- Press ■ (STOP) to store the program.

- Press PROGRAM to activate the program, then press ►/II (PLAY/PAUSE) to play it.

NOTES:

- To skip ahead to the next track in the program, press ►►I (track forward).

- Press ■ (STOP) to stop play and deactivate the program.

- To play the program again, press PROGRAM to reactivate the program, then press ►/II (PLAY/PAUSE).

- To cancel the program, press ■ (STOP), then on the CD/Cassette unit itself, hold down the PROGRAM button and press ■ (STOP).

CARE AND MAINTENANCE

Cleaning the System's Exterior

- Before cleaning the system, disconnect AC power to prevent the hazard of fire or shock.

- Clean the exterior of the unit using a soft dust cloth. If desired, use a soft, damp cloth and mild soap to clean the display sections — but be careful not to scratch these sensitive panels!

Handling Compact Discs
CARE OF DISCS

- With this CD player, use discs which display the mark shown.

- When holding discs, do not touch their signal surfaces. Hold the edges or one edge and the center of the hole.

- Do not affix labels or adhesive tape to the label surfaces. Also do not scratch or damage the label.

- Discs rotate at high speed inside the player. Do not use damaged (cracked or warped) discs.

CLEANING DISCS

- The presence of finger prints or smudges on the surface of the disc will not directly affect the recorded signals, but depending on the degree of contamination, the brightness of the light reflected from the signal surfaces may be reduced, causing degradation of sound quality. Always keep your disc clean by wiping them gently with a soft cloth from the inner edge toward the outer perimeter.

- If a disc becomes very dirty, wet a soft cloth in water. After wringing out well, wipe the dirt away gently, and then remove any water drops with another dry cloth.

- Do not use record cleaning sprays or anti-static agents on discs. Also, never clean discs with benzene, thinner, or other volatile solvents which may cause damage to the disc surface.

STORING DISCS

- Discs are made of the same kinds of plastic used for conventional records. Be careful not to allow discs to warp; always store them in their cases, vertically, avoiding locations with high heat or humidity, or extremely low temperatures.
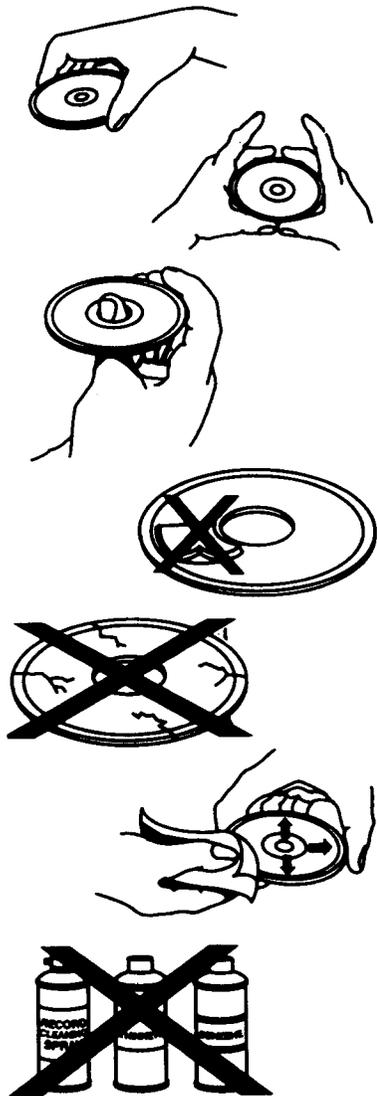
CARE AND MAINTENANCE

Care of Cassette Decks

- Periodic cleaning of the tape heads and capstan is necessary to maintain good sound reproduction. The build up of iron oxide particles, which is often even more severe with inferior tapes, will reduce the performance of the cassette. It is recommended that the heads and capstan be cleaned after every 25 hours of use; more often if playback has deteriorated. To clean, use a cotton swab moistened with an audio head cleaner solution or isopropyl alcohol, then wipe dry with another swab.

DECK I	DECK II
ERASE HEAD PLAY/RECORD HEAD PINCH ROLLER CAPSTAN	CAPSTAN PINCH ROLLER PLAY HEAD PINCH ROLLER CAPSTAN
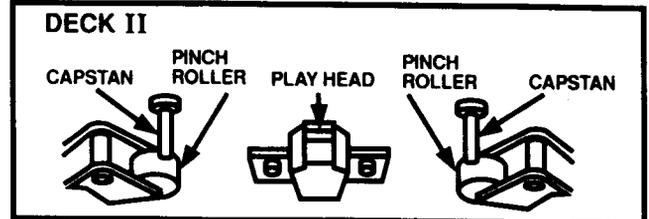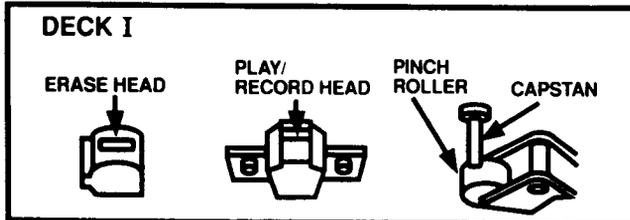
Always unplug the power cord when using a liquid cleaner and allow 30 minutes drying time.

- All tape heads inevitably become slightly magnetized after long use. This may cause noise or loss of high-frequency response in playback. Demagnetize the heads occasionally with a head demagnetizing cassette (available from many audio equipment stores).

NOTE: Never use any metal objects on or near the tape heads. Do not allow any cleaning material to fall into tape assembly.

Tape Care

Do not expose your cassettes to direct sunlight or store them in hot places. High temperatures may warp the cassette shell or damage the tape itself.

Keep your cassettes in their boxes when they are not in the Cassette Deck. This keeps dust from entering the cassette shells.

Your tapes can be erased by magnetic fields produced by permanent magnets, electric motors, electrical transformers, and other devices. Keep tapes away from magnets and magnetic fields.

Wind the tape to one end before removing it from your Cassette Deck. When it is fully wound, only the tape leader will be visible, not the tape itself. Avoid touching either tape or leader. Even the natural oils on your hands can damage a tape; if oils become deposited on the tape transport mechanism of your Cassette Deck, they could contaminate other tapes.

If a tape is accidentally pulled from a cassette, insert the tapered end of a large pencil or similar object into the center of the tape hub and gently wind the tape back into the cassette. Be careful not to twist or wrinkle the tape. Care should be taken that all excess tape is wound into the cassette and is taut. If slack is allowed to exist, it can cause the tape to become twisted around the pinch roller and capstan which could result in a damaged cassette.
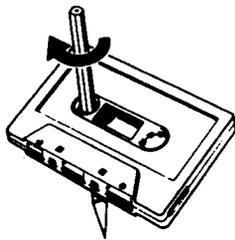
CARE AND MAINTENANCE

Erase Protection

Your Cassette Deck erases whatever is on a tape when it records new material. To protect a tape from accidental erasure, break off one or both plastic tabs (one for each tape side) on the back of the cassette. If you later decide to record on the tape, seal over the hole with a piece of cellophane tape.

TAB FOR SIDE B   TAB FOR SIDE A   USE A SCREWDRIVER OR SIMILAR OBJECT TO BREAK OUT THE TAB.

ATTACH TAPE
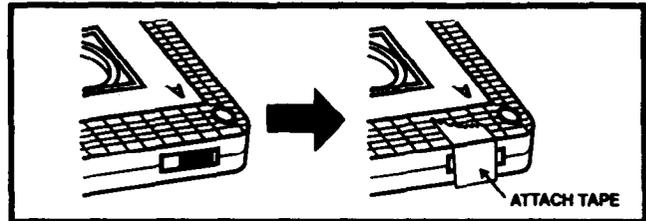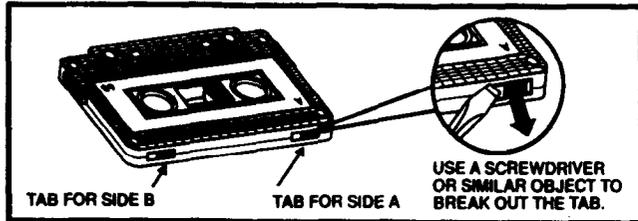
TROUBLE CHECKS

Use the suggestions below to check out problems. If a problem persists, or if you suspect the CD player is malfunctioning, contact your RCA dealer for service.

Problem

What to Do

System does not turn on

- Be sure power cord is firmly inserted in appropriate AC power outlet.
- Check the outlet by plugging another device into it.
- Check for full engagement of the SYSTEM CONTROL plug that connects the Tuner/Amplifier unit and the CD/Cassette unit.

No sound

- Adjust volume setting.
- Check for proper connection of speaker wires.
- Be sure you've selected the correct source: TUNER, TAPE, CD or AUX.
- Be sure MUTE is not activated (red indicator on VOLUME dial flashes).To deactivate, press MUTE button on the remote control.

No sound from one channel

- Check for proper connection of speaker wires on the channel (Left or Right).
- Check BALANCE setting and adjust sound distribution if necessary.

TROUBLE CHECKS

Poor radio reception

- Check AM/FM antenna connections.
- Adjust antenna position for better reception.
- Try turning off electrical appliances near the unit – including hair dryers, vacuum cleaners, and fluorescent lights.

Compact disc will not play

- Be sure the disc tray contains a disc.
- Assure that all discs are inserted label side up.
- Clean discs as explained in "Care and Maintenance."
- Press ►II (PLAY/PAUSE) to begin play from pause or stop mode.
- Be sure CD source button is selected.

Compact disc sound skips

- Clean the disc as explained in "Care and Maintenance."
- Check for warping, scratches, or other damage to the disc. Do not insert damaged discs into the disc tray.
- Check for vibration or shock that may affect the CD player. If necessary, move it to a different location.

Distorted or noisy recordings

- Inspect recording heads. Clean them, if necessary, using procedures explained in "Care and Maintenance."
- Demagnetize recording heads following steps explained in "Care and Maintenance."

Remote control does not work

- Be sure the CD player is plugged into a working AC outlet.
- Press POWER button to assure that the system is set to POWER ON mode (display is lit).
- Press the function button on the remote that activates the desired component: TUNER, TAPE, CD or AUX.
- Replace batteries if they are weak. Assure that batteries face in the directions indicated inside the battery chamber of the remote control.
- Point the remote control directly at the SENSOR eye while pressing buttons.
- Move closer to system while using the remote control.
- Be sure there are no obstacles between the remote and the system.

NOTES

ONE-YEAR LIMITED WARRANTY

What does your warranty cover?
- Any defect in material or workmanship.

For how long after the original purchase?
- One year.
- The warranty for rental units begins with the first rental.

What will we do?
- Provide you with a new, or at our option, a reconditioned unit.
- The exchange unit is warranted for the remainder of your product's original one-year warranty period.

How do you make a warranty claim?
- Properly pack your unit. Include any cables, etc., which were originally provided with the product. We recommend using the original carton and packing materials.
- Include in the package a copy of the sales receipt or other evidence of date of original purchase. If the unit was a gift, provide a statement specifying the date received. Also print your name and address and a description of the defect.
- Ship the unit standard UPS or equivalent to:
  Thomson Consumer
  Electronics, Inc.
  Product Exchange Center
  32 Spur Drive
  El Paso, Texas 79906

- Pay any charges billed to you by the Exchange Center for service not covered by the warranty.
- A new or reconditioned unit will be shipped to you prepaid freight.

What does your warranty not cover?
- Customer instruction. Your Owner's Manual provides information regarding operating instructions and user controls. For additional information, ask your dealer.
- Installation and set-up service adjustments.
- Batteries.
- Damage from misuse or neglect.
- Products which have been modified or incorporated into other products.
- Product purchased or serviced outside the USA.

How does state law relate to this warranty?
- This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

What if you purchased your unit in Canada?
- Refer to the Canadian Warranty.

For products purchased outside the United States and Canada, see dealer for warranty.

Thomson Consumer Electronics, Inc.