

EMERSON RADIO CORP.

CONSUMER LIMITED WARRANTY POLICY

Non-Stereo and Small Portable Units

Emerson Radio Corp. warrants this product to be free from defects in material and workmanship under normal use and conditions for a period of 90 days from the date of original purchase.

Should service be necessary for any reason due to manufacturing defect or malfunction during the warranty period Emerson Radio Corp. will repair or replace at its discretion, the defective merchandise at no charge (except for a \$2.50 charge for handling, packing return postage and insurance), upon delivery of this product to the nearest Factory Service Center with a copy of proof of purchase date.

Before returning the merchandise for service, verify that the batteries (if unit is DC operated) are in proper operating condition. Weak or defective batteries are common causes of problems encountered. Should service still be required:

- a) Remove the batteries (if applicable) and carefully pack the unit along with all its accessories in the original carton (if still available) or a suitable well padded corrugated box.
- b) Enclose copy of proof of date of purchase.
- c) Enclose your check or money order payable to Emerson Radio Corp. for the indicated sum found on your warranty card.
- d) Ship the unit via UPS or Parcel Post Insured to the nearest Factory Service Center (listed below).

NOTE: This warranty does not cover—

- a) Units that have been misused or damaged by accident.
- b) Units that have been repaired or altered by persons other than Emerson Radio Corp. factory or Authorized Service Stations.
- c) Damages caused by leaking batteries.

This warranty is valid only in the United States of America and does not extend to owners of the product subsequent to the original purchaser. Any applicable implied warranties are also limited to 90 days and Emerson Radio Corp. will not be liable for consequential damages. (Some states do not allow limitations or implied warranties or exclusions of consequential damages, therefore these restrictions may not apply to you). This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.

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PRINTED IN KOREA

Owner's Manual

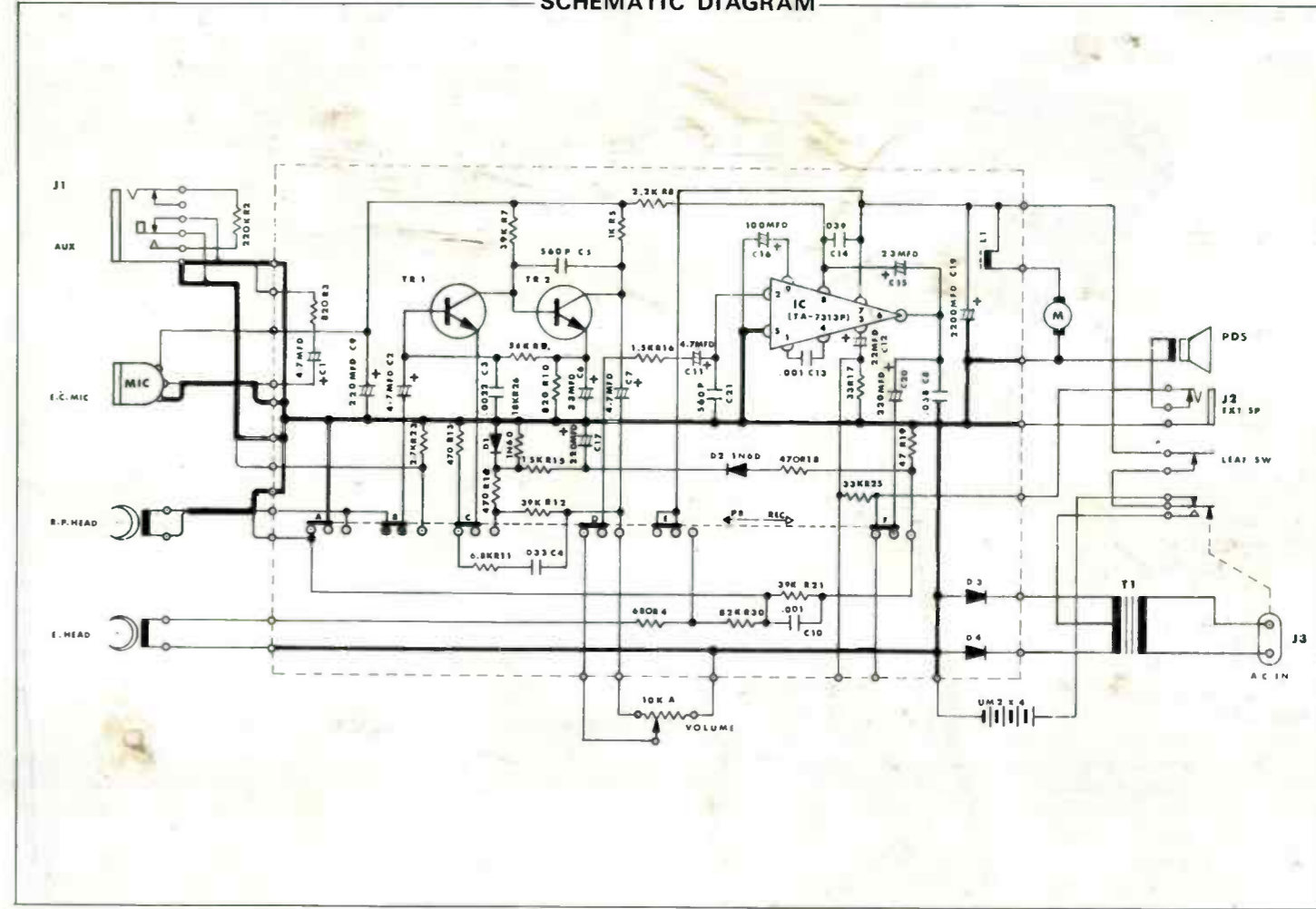
MODEL CRC-97



SOLID STATE PORTABLE CASSETTE PLAYER/RECORDER with Built-in Microphone



SCHEMATIC DIAGRAM



WARNING TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CONTROL AND FUNCTION



- | | |
|--------------------------------|----------------------------------|
| 1 Battery Compartment (Bottom) | 8 Play (PLAY) Button |
| 2 AC Socket | 9 Stop/Eject (STOP/EJECT) Button |
| 3 Cassette Lid | 10 Earphone Jack |
| 4 Retractable Handle | 11 AUX Jack |
| 5 Record (REC) Button | 12 Volume Control |
| 6 Rewind (REW) Button | 13 Built-in Microphone |
| 7 Fast Forward (F. FWD) Button | 14 Speaker |

POWER SOURCE

This unit is designed to operate on either of DC (Batteries) and AC. **BATTERY:** Open the lid of Battery Compartment (1) on the bottom and insert 4 Batteries ("C" size or UM-2) observing battery polarity markings shown inside Compartment. Place Batteries across Ribbon provided inside Compartment so that Batteries may easily be removed when Ribbon is pulled outwards.

AC : Connect this unit to the near-by wall outlet using AC Line Cord supplied with this unit. Battery power will automatically be disconnected when the plug of AC Line

Cord is inserted into AC Socket-(2).

CAUTION: Weak or dead Batteries may leak and corrode the unit. When the unit is not to be used for a long period of time, always be sure to remove Batteries and pull out AC Plug from the wall outlet.

CASSETTE LOADING AND REMOVAL

- Depress Stop/Eject Button (9) deeply to open Cassette Lid (3).
- With the exposed portion of the tape facing outwards, whether blank or pre-recorded, insert the cassette fully into the cassette holder which is built into Cassette Lid (3).
- Close Cassette Lid (3) gently.
- To remove the cassette, depress Stop/Eject Button (9), open Cassette Lid (3), and pull out the cassette. When the unit is engaged in any function, Stop/Eject Button (9) must be depressed twice; first time to release the unit from the engagement and second time to open Cassette Lid (3).

RECORDING WITH MICROPHONE

- Insert the cassette as mentioned in CASSETTE LOADING AND REMOVAL.
- Depress Record Button (5) and Play Button (8) deeply at the same time until both are locked down.
- Keep your mouth about 30cm (12 inches) away from the unit and speak into Built-in Microphone (13) at a normal tone of your voice.
- Unnecessary to adjust Volume (12) as mentioned in AUTOMATIC LEVEL CONTROL.
- To stop the tape, depress Stop/Eject Button (9).

RECORDING FROM OTHER AUDIO UNIT

This unit can record feeding from other audio unit without being disturbed by noises arising outside of both units, when the former's AUX Jack (11) is connected with the latter's output jack by means of a patch cord. **CAUTION:** When plug of patch cord is inserted into AUX Jack (11), Built-in Microphone (13) is automatically disconnected. Pull it out from AUX Jack when you are finished with recording by way of AUX Jack.

AUTOMATIC LEVEL CONTROL

While the unit is in a recording mode, whether recording from Built-in Microphone (13) or an external source by way of AUX Jack (11), ALC (Automatic Level Control) System always functions and keeps all recordings at an optimum level. So it is absolutely unnecessary to adjust Volume (12) which plays no role in recording.

PLAYBACK

- Insert the cassette as mentioned in CASSETTE LOADING AND REMOVAL.
- Depress Rewind Button (6) to rewind the tape, if the tape requires rewinding.
- Depress and lock Play Button (8).
- Adjust Volume Control (12).
- To stop the tape, depress Stop/Eject Button (9).

CAUTION: This unit is to record and/or play back always monaurally. Pre-recorded stereo cassette tapes will be played back only in a monaural mode.

AUTO STOP

In recording and/or playback, the tape runs in the direction (left to right) as indicated by the arrow on Cassette Lid (3). When the tape comes to an end either in recording or in playback, Auto Stop System functions to release depressed Play Button (8) and/or Record Button (5), and the power source is thus mechanically turned off.

REWIND AND FAST FORWARD

- REWIND :** Depress Rewind Button (6) and the tape will run from right back to left at a high speed. To stop the tape, depress Stop/Eject Button (9).
- FAST FORWARD:** Depress Fast Forward Button (7) and the tape will run from left to right at a high speed. To stop the tape, depress Stop/Eject Button (9).

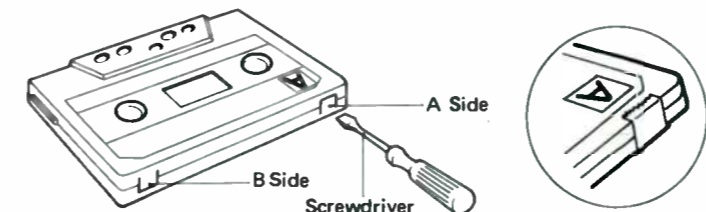
CAUTION : Auto Stop System does not function in rewind and/or fast forward, which must always manually be stopped by means of depressing Stop/Eject Button (9). Failure may result in damage to the cassette tape or the unit.

EARPHONE

When Earphone is plugged into Earphone Jack (10), Speaker (14) is automatically disconnected. Use Earphone for private listening.

TAPE PROTECTION FROM ERRONEOUS ERASURE

Recorded tape is automatically erased while new recording is made on the same tape. When you want to protect recorded tape from erroneous erasure, remove small tabs on the rear side of the cassette using a screwdriver or the like, as illustrated below. Remove the tab near to "A" Mark to protect "A" side recording or the tab near to "B" Mark to protect "B" side recording. When a cassette without the tabs is inserted into the cassette holder, Record Button (5) cannot be depressed and erroneous erasure is thus prevented. When you want to erase recording of a cassette without the tabs, place a piece of adhesive tape over the opening as a substitute for the tab, as shown in the circle below.



For future reference, record the Model number and Serial number printed on rear of cabinet.

Serial # _____ Model # _____

MAINTENANCE

- Keep this unit away from excessive dust, heat, humidity, and/or shocks.
- Use soft cloth, water and soap to clean Cabinet. Do not use chemical fluid like benzene.
- Dirty Tape Heads will affect performance. Clean Tape Heads periodically with a cotton swab moistened with a small amount of alcohol. To have easy access to Tape Heads, keep Play Button (8) depressed. Do not try to touch Tape Heads with anything metallic.
- Clean Capstan and Pinch-Roller periodically using a cotton swab and alcohol likewise.
- To keep the unit in good condition when it is not being used, always make sure that none of the Buttons (5-8) are kept depressed. Failure may deteriorate Tape Heads, Capstan, Pinch-Roller, etc.

SPECIFICATIONS

- Track System : 2 Tracks Monaural
 - Circuit : 1 IC, 2 Transistors & 4 Diodes
 - Recording System : DC Bias
 - Erasing System : DC Erase
 - S/N Ratio : 30 dB
 - Wow & Flutter : Less than 0.4%
 - Frequency Response : 125-6000 Hz
 - Power Source : AC 120V 60Hz
DC 6V (4 pcs. UM-2 or Equivalent)
 - Power Consumption : 4W
 - Output Power : Max. 600mW
 - Tape Speed : 4.75 cm/sec. (1-7/8 ips)
 - Fast Forward Time : 140 sec. (C-60)
 - Rewind Time : 95 sec. (C-60)
 - Dimensions : 260 x 135 x 70 mm
10-1/4 x 5-1/3 x 2-3/4 inches
 - Weight : 1.3 kgs (2-3/4 lbs.) without Batteries
- Above specifications are subject to changes for improvement without prior notice.

