

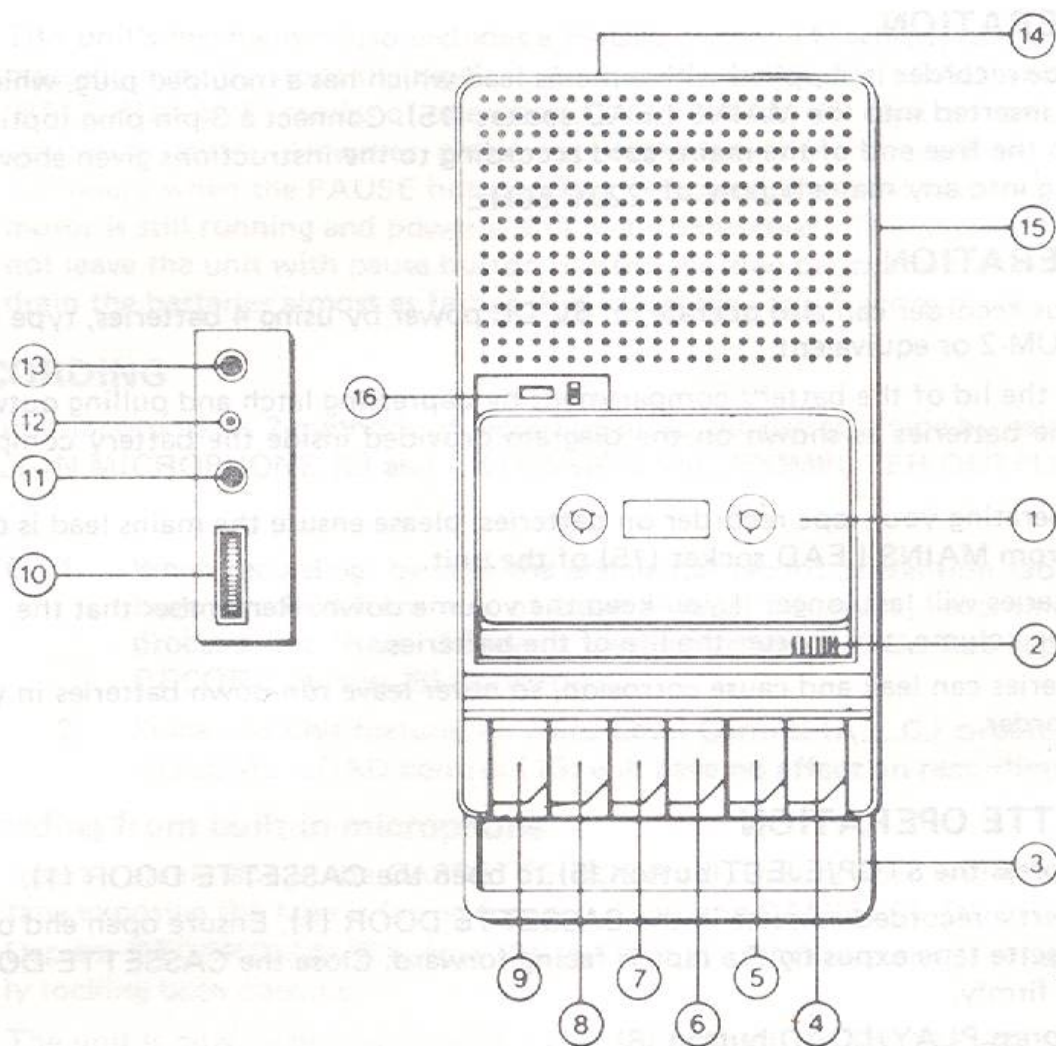
**COMX**

**C-35**

**AUDIO CASSETTE /  
COMPUTER  
PROGRAM  
RECORDER**

FEATURES

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- (1) CASSETTE TAPE
  - (2) BUILT-IN
  - (3) HIDE AWAY CASSETTE COMPARTMENT
  - (4) PROGRAM
  - (5) RECORD
  - (6) PAUSE
  - (7) REWIND
  - (8) PLAY
  - (9) STOP
  - (10) EJECT
  - (11) POWER OFF
  - (12) BATTERY CHARGE
  - (13) BATTERY LEVEL
  - (14) BATTERY CHARGE



## FEATURES

- (1) CASSETTE DOOR
- (2) BUILT-IN CONDENSER MIC.
- (3) HIDE-AWAY CARRYING HANDLE
- (4) PAUSE BUTTON
- (5) STOP/EJECT BUTTON
- (6) FAST FORWARD BUTTON
- (7) REWIND BUTTON
- (8) PLAY/LOAD BUTTON
- (9) RECORD/SAVE BUTTON
- (10) VOLUME/LOAD CONTROL
- (11) EARPHONE SOCKET/COMPUTER INPUT
- (12) REMOTE CONTROL SOCKET
- (13) EXTENSION MIC. SOCKET/COMPUTER OUTPUT
- (14) BATTERY DOOR
- (15) MAINS LEAD SOCKET
- (16) TAPE COUNTER + RESET BUTTON



## AC OPERATION

Your tape recorder is supplied with a mains lead which has a moulded plug, which must be inserted into the MAINS LEAD socket (15). Connect a 3-pin plug (optional extra) to the free-end of the mains cord according to the instructions given above and then plug into any mains supply of 220V 50Hz.

## DC OPERATION

Your tape recorder can also operate on 6V DC power by using 4 batteries, type HP-11 'C' size, UM-2 or equivalent.

Remove the lid of the battery compartment by depressing latch and pulling outwards. Insert the batteries as shown on the diagram provided inside the battery compartment.

When operating your tape recorder on batteries, please ensure the mains lead is detached from MAINS LEAD socket (15) of the unit.

The batteries will last longer if you keep the volume down. Remember that the higher the volume, the shorter the life of the batteries.

Old batteries can leak and cause corrosion, so never leave run-down batteries in your tape recorder.

## CASSETTE OPERATION

1. Depress the STOP/EJECT button (5) to open the CASSETTE DOOR (1).
2. Insert a recorded cassette in the CASSETTE DOOR (1). Ensure open end of the cassette tape exposing the tape is facing forward. Close the CASSETTE DOOR (1) firmly.
3. Depress PLAY/LOAD button (8).
4. Adjust the VOLUME/LOAD control (10) as required.
5. To stop playing cassette tape, depress the STOP/EJECT button (5) to mid-position.
6. If you wish to rewind tape, depress REWIND button (7).
7. If you wish to forward tape, depress FAST FORWARD button (6).

**NOTE:** 1. When any button is in depressed position, before pressing any other button, always be sure to press STOP/EJECT button (5) first to release previous operation button. If this is not done, damage may result to both tape mechanism and cassette tape.

2. This cassette mechanism is designed with a built-in tape end sensor which automatically cancels the PLAY/LOAD button (8) and/or RECORD/SAVE button (9) when the tape reaches the end of its travel. However, please note this 'AUTO STOP' function will not work when the unit is in REWIND or FAST FORWARD mode, in such case, the STOP/EJECT button (5) should always be used to release these buttons to avoid excessive strain to cassette mechanism and motor.

3. This unit's mechanism also includes a PAUSE button (4) which, when pressed, instantly stops the tape's movement in the 'PLAY/LOAD' and 'RECORD/SAVE' modes of operation. When release, the tape movement resumes instantly. However, please note even though the tape will be stationary when the PAUSE button (4) is depressed, the mechanism's motor is still running and power is still being consumed. Therefore, do not leave the unit with pause button pressed for long periods as this will drain the batteries almost as fast as if in actual Play and Record modes.

## RECORDING

This unit incorporates 2 methods of recording on to the cassette tape by using : BUILT-IN MICROPHONE (2) and EXTENSION MIC./COMPUTER OUTPUT socket (13).

**NOTE:** 1. When recording, be sure the accidental record prevention tab has not been removed from rear of cassette tape, otherwise, recording cannot proceed (see 'Record Prevent Device' paragraph). Do not depress the RECORD button (9) using force.

2. Since this unit features an Auto Level Control (A.L.C.) circuit, the VOLUME/LOAD control (10) will have no effect on recording.

## Recording from built-in microphone

1. Insert a blank tape in the CASSETTE DOOR (1). Ensure open end of the cassette tape exposing the tape is facing forward. Close the CASSETTE DOOR (1) firmly.
2. Depress RECORD/SAVE button (9) and PLAY/LOAD button (8) simultaneously locking both buttons.
3. The unit is now recording through the BUILT-IN MICROPHONE (2).

**NOTE:** 1. The built-in microphone used in this unit has very high sensitivity. Therefore, it is not necessary to place the cassette recorder close to the source of sound.

2. Be sure no extension Microphone or Jack is attached to the EXTENSION MIC. socket (13) as this will automatically disconnect the BUILT-IN MICROPHONE (2).

## Recording from external microphone

1. Connect the external microphone (optionally available) or computer to the EXTENSION MICROPHONE/COMPUTER OUTPUT socket (13).
2. Follow steps 1 and 2 as explained under the heading 'Recording from built-in microphone'.
3. This unit is now recording/or program saving through external microphone (optionally available) or from your computer.



### Erasure of recordings

When a new recording is made, all previous recordings on that part of the tape are automatically erased and only the new recording remains.

### TAPE COUNTER

The digital tape counter enables you to easily locate the section of the tape you wish to playback. By depressing the reset button (Located next to the counter), the number on the counter will return to '000'.

### REMOTE CONTROL (OPTIONAL EXTRA)

Connect an optional remote control switch to the REMOTE control socket (12) of this unit. Recording or playback will now start or stop (provided the appropriate buttons are in depressed position) by means of the On/Off switch on the remote control.

### PRIVATE LISTENING/COMPUTER PROGRAM LOADING

Earphone/computer input socket (11) can if connected to earphone be used for private listening, or if connected to a computer can be used to load a pre-recorded program into you computer.

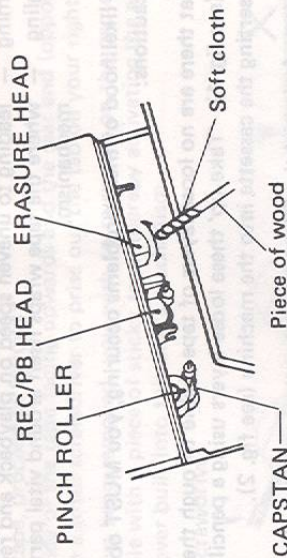
**NOTE :** When socket (11) is used, the built-in loud speaker is disconnected.

### MAINTENANCE

After a period of time, especially when inexpensive brands of tape are used, the sound on playback may become 'muffled' or in extreme cases, almost inaudible.

This is NOT A FAULT OF THE MACHINE ITSELF but merely a deposit of oxide and other contamination on the tape heads. The head assembly the capstan and the pinch roller are in constant contact with the tape. If these parts are dirty or have dust adherence, abnormal phenomena such as reduction in volume, sound distortion, fluctuation or tape chewing will result.

Use a small cotton swab with tape cleaning alcohol to clean the tape head, capstan and pinch roller carefully (rubbing or drinking alcohol should not be used).



Another easy way to overcome the problem is by using a proprietary brand of head-cleaning cassette. Follow the instructions provided with the cleaner carefully and DO NOT OVERUSE as this may cause undue wear. The tape head is a delicate precision component and serious damage will result if you attempt to scrape the contamination away with a sharp implement.

- NOTE:**
1. Don't bring articles of metal or magnetic material, such as a screwdriver near the head assembly.
  2. Don't clean the plastic cabinet with benzine or thinner. Clean it, if necessary, with a damp cloth.
  3. After cleaning, be sure no particles of cotton are left.





**Other common causes of trouble are:**

- a/. tape jamming — leading to uneven speed on playback and record.
- b/. tape tangling — where the tape wraps itself around vital parts of mechanism.

To reduce the likelihood of these problems occurring, you MUST observe the following precautions:

1. Check that there are no loose layers of tape visible through the cassette centre window (see fig. 1). 'Take-up' these loose layers using a pencil or ballpoint pen before inserting the cassette into the machine (see fig. 2).
2. If the cassette feels 'tight' whilst performing the operation shown in fig. 2, the tape may be jamming due to 'ridges' in the winding of the tape (visible through the centre window). These may be removed in most cases by fast winding of the cassette from one end to the other and back again.



Fig. 1

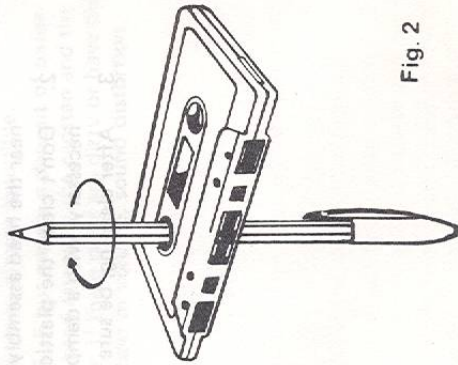
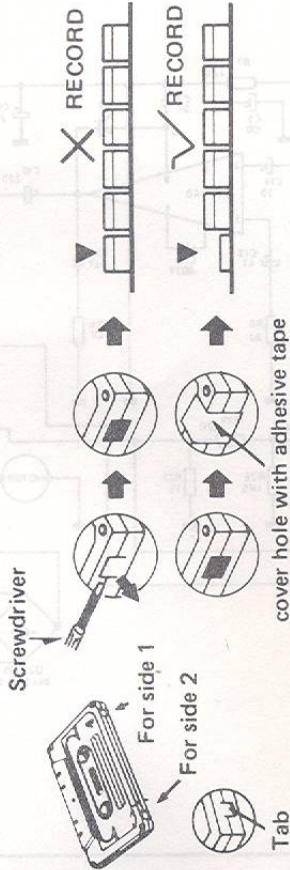


Fig. 2

**RECORD PREVENT DEVICE**

The cassette tape contains 'Knock Outs' on its rear end to prevent accidental recording on, or erasure of, a pre-recorded tape. Recording can only be made when these 'Knock Outs' are intact. There is one knock out for each side (track) of the tape. To protect a recorded tape, proceed as follows:

With the recorded side of the tape facing upwards and the rear end (opposite the open end) facing you, use a small screwdriver to prise out the tab on your right-hand side. If after the tabs have been removed, you wish to re-record on the protected side, simply cover the hole with a piece of sticky tape, thereby activating the accidental record prevention lever built into this unit's mechanism.



**SPECIFICATIONS**

Power Supply

- : AC ( ~ ) 220V 50Hz
- DC 6V 4 Batteries HP-11 'C' size, UM-2 type
- : 3" 8 ohm
- : 450 mW. max.

Speaker Output

**CASSETTE SECTION**

Tape

Tape Speed

Frequency Response

Erasing System

Recording Bias System

- : Standard Cassette Tape (lengths C-90 or less)
- : 1-7/8 in./sec. (4.75 cm/sec)
- : 200-6,300 Hz
- : DC Erase
- : DC Bias

Continuous improvements are being made to our equipment both in quality and performance, thus we reserve the right to alter specifications without notice.

