



HITACHI

**FM/SW/AM Radio
Cassette tape recorder**

TRK-6700H

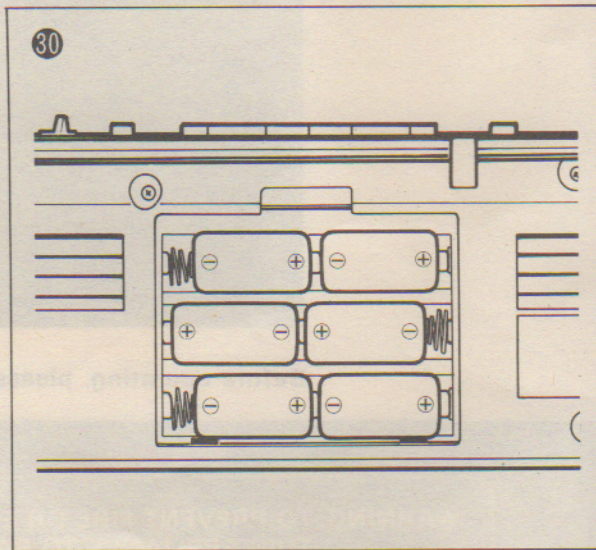
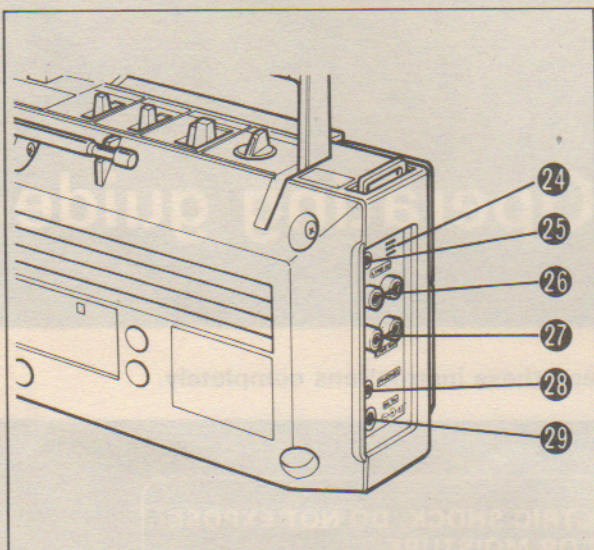
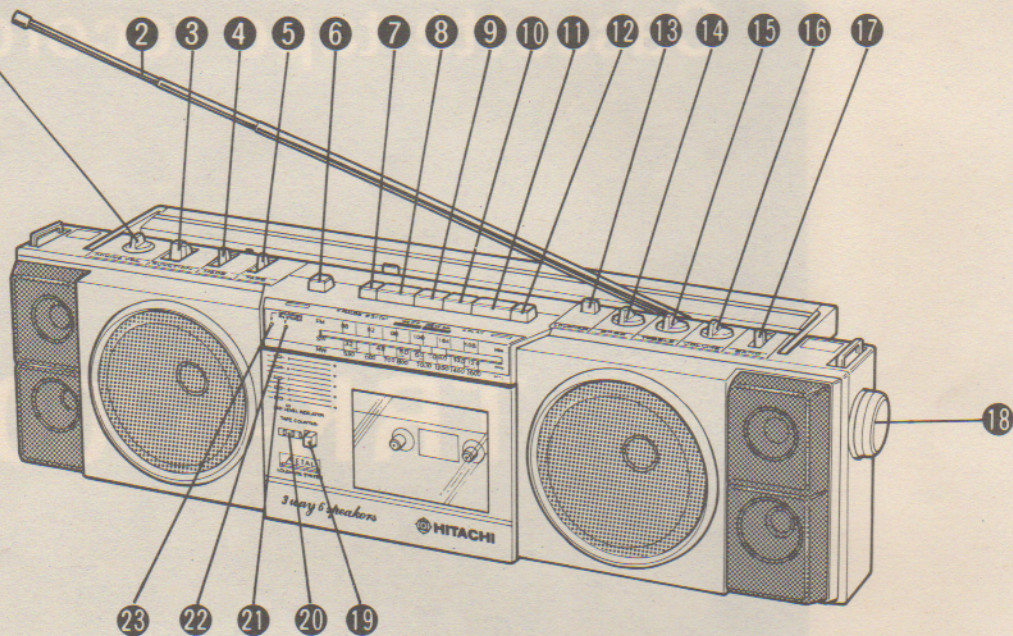
Operating guide

Before operating, please read these instructions completely.

**WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE
THIS APPLIANCE TO RAIN OR MOISTURE.**

FEATURES

- Compact mini stereo type
- 3-way 6-speaker system
- 3-step tape selector with added METAL position
- Soft touch mechanism
- One-touch recording
- Mic mixing with added Mic mixing volume
- Full auto stop mechanism
- Review/Cue system
- Loudness system



KEY TO ILLUSTRATIONS

- | | | |
|-------------------------------|-------------------|----------------------------------|
| ① MIXING VOLUME CONTROL | ⑩ REWIND BUTTON | ⑱ COUNTER RESET BUTTON |
| ② TELESCOPIC ANTENNA (AERIAL) | ⑪ PLAYBACK BUTTON | ⑲ TAPE COUNTER |
| ③ FUNCTION SELECTOR | ⑫ RECORD BUTTON | ⑳ LEVEL INDICATORS |
| ④ MODE/RIF SELECTOR | ⑬ LOUDNESS SWITCH | ㉑ FM STEREO INDICATOR |
| ⑤ TAPE SELECTOR | ⑭ BASS CONTROL | ㉒ OPERATION INDICATOR |
| ⑥ EJECT BUTTON | ⑮ TREBLE CONTROL | ㉓ BUILT-IN MICROPHONE (MONAURAL) |
| ⑦ PAUSE BUTTON | | ㉔ MIXING MICROPHONE JACK |
| ⑧ STOP BUTTON | | ㉕ LINE IN JACKS |
| ⑨ FAST FORWARD BUTTON | | ㉖ LINE OUT JACKS |
| | | ㉗ HEADPHONES JACK |
| | | ㉘ DC 9V JACK |
| | | ㉙ BATTERY REPLACEMENT |

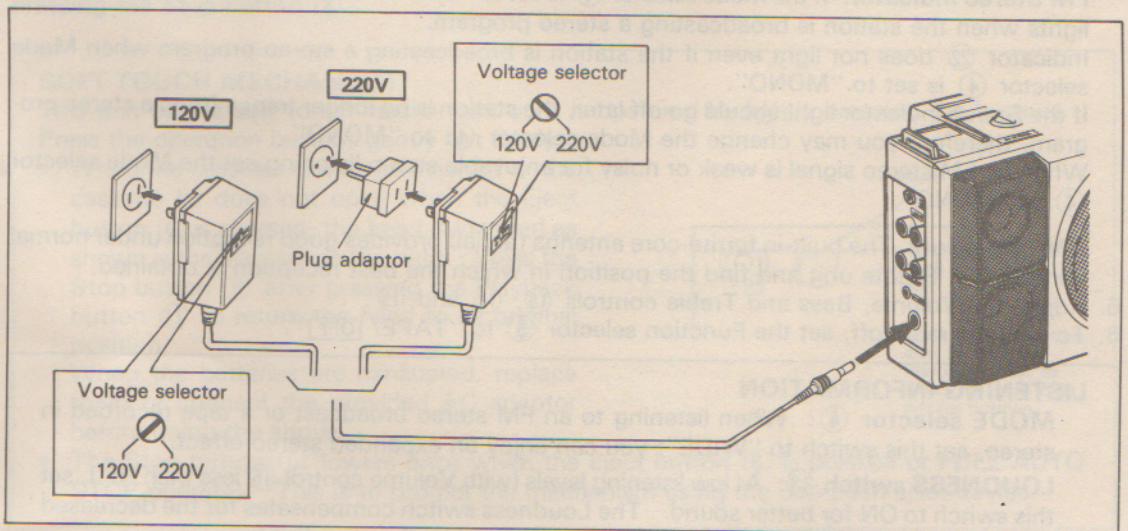
CAUTION:

The voltage selector of the AC adaptor has been set to
AC 120V
when the unit is shipped from the factory.

POWER REQUIREMENTS

Operation using AC Power: This unit can be used with power voltage of 120V or 220V. The Voltage selector of the AC adaptor (provided) has been set to 120V when the unit is shipped from the factory.

When you use the unit in an area with a voltage other than 120V (during a trip, etc.), insert the plug through the plug adaptor packed with the unit after setting the Voltage selector with screwdriver.



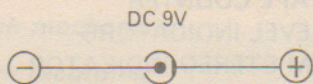
Insert the AC adaptor cord plug into the DC 9V jack ⑲ and the AC adaptor plug into a convenient AC outlet. This will automatically disconnect the batteries. To return to battery operation, disconnect the AC adaptor cord plug from the DC 9V jack ⑲.

Note: Disconnect the AC adaptor from the AC outlet when the unit is not used on AC power for a long period of time or you are away from home.

Operation using Batteries: Remove the battery compartment lid and install 6 batteries as shown in the diagram ⑩.

Note: When the unit is not in use or used on AC power for a long period of time, the batteries should be taken out of the battery compartment.

Operation using Car battery: To operate using a car battery, insert one end of the 9V car battery adaptor into the DC 9V jack ⑳ and the other end into the cigarette lighter of your car. This will automatically disconnect the batteries.



* There is no fuse inside the DC inlet, therefore a suitable fuse should be applied on the car battery adaptor.
When replacing the fuse of the adaptor, servicing should only be referred to qualified service personnel.
Start the engine and let it idle when using the car battery adaptor.

PRECAUTIONS

- * When the unit is not in use or used on AC power for a long period of time, the batteries should be taken out of the battery compartment.
- * Do not leave the exhausted batteries in the battery compartment, or they may corrode and cause damage.
- * Do not leave the unit in direct sunlight or extremely hot or humid places.
- * Never use any strong detergents or solvents for cleaning the cabinet of this unit, because this could damage the surface finish.

RADIO OPERATION

1. Set the Function selector ③ to "RADIO".
2. Set the Band selector ⑰ to the desired position.
3. Turn the Tuning control ⑱ to tune to the desired station.
4. Adjust the antenna (aerial).

FM reception: Extend the Telescopic antenna (aerial) ② to its full length. Change antenna (aerial) direction to obtain the best reception.

FM Stereo indicator: If the Mode selector ④ is set to "ST" or "WIDE", FM stereo indicator ⑳ lights when the station is broadcasting a stereo program. Indicator ⑳ does not light even if the station is broadcasting a stereo program when Mode selector ④ is set to "MONO".

If the Stereo indicator light should go off later, the station is no longer transmitting a stereo program, therefore you may change the Mode selector ④ to "MONO".

When an FM stereo signal is weak or noisy for enjoyable stereo listening, set the Mode selector ④ to "MONO".

AM reception: The built-in ferrite-core antenna (aerial) provides good reception under normal conditions. Rotate unit and find the position in which the best reception is obtained.

5. Adjust the Volume, Bass and Treble controls ⑯, ⑭ and ⑮.
6. To turn the radio off, set the Function selector ③ to "TAPE/ [OFF]".

LISTENING INFORMATION

MODE selector ④: When listening to an FM stereo broadcast or a tape recorded in stereo, set this switch to "WIDE"; you can enjoy an expanded stereo effect.

LOUDNESS switch ⑬: At low listening levels (with Volume control ⑯ less than "5"), set this switch to ON for better sound. The Loudness switch compensates for the decreased sensitivity to bass frequencies of the human ear at low listening levels.

To listen using a HEADPHONES: You can enjoy private listening with a stereo mini-plug headphones connected to the headphones jack ㉘.

TAPE RECORDER OPERATION

INSERTION OF CASSETTE

Press the Eject button (6) to open the cassette lid and insert the cassette with its full reel on the right and opening up.

When the cassette is fully recorded or played back, it may be turned over to side 2 (or B) for an equal time of recording or playback.

SELECTION OF TAPE TYPE

Equalization and bias can be changed over in 3 steps. When using normal tape, set the Tape selector (5) to the "NORMAL" position; when using chrome-oxide tape (CrO₂), set the Tape selector to the "CrO₂" position; when using Metal tape, set the Tape selector to the "METAL" position.

By setting this selector in accordance with the various tapes available, optimum tape performance is obtained.

Cautions on the use of Metal Tape

1. Some Metal Tape is incompletely coated with magnetic powder which causes level fluctuations, so it is recommended to clean the head, capstan and pressure roller after it is used several times. (When cleaning, be careful not to apply too much force to the head because it may cause the high frequency characteristics to deteriorate.)
2. Metal Tape recorded on this recorder can be played back on other equipment which does not have a Metal select switch position. In this case, set the tape selector to CrO₂ or FeCr for playback.

TAPE PLAYBACK

To playback a cassette tape, set the Function selector (3) to "TAPE/ OFF" and the Tape selector (5) to the proper position then press the Playback button (11).

FAST FORWARD AND REWIND

Fast forward/ cue: Press the Fast forward button (9) with the Playback button (11) kept pressed, and the tape is fed forward quickly. Release the Fast forward button (9) and playback starts again. For ordinary fast forwarding, press the Fast forward button (9) after pressing the Stop button (8).

Rewind/ review: When desiring to listen to a certain part again during playback, press the Rewind button (10) with the Playback button (11) kept pressed, and the tape is rewound quickly. Release the Rewind button (10) and playback starts again. For ordinary rewind, press the Rewind button (10) after pressing the Stop button (8).

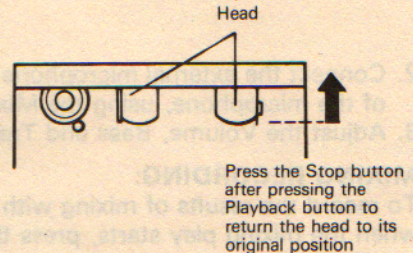
SOFT TOUCH MECHANISM

This unit uses a soft touch mechanism, so it is operated by lightly pressing the buttons. Press the operation buttons gently but firmly.

- When the cassette cannot be inserted or the cassette lid does not open when the Eject button (6) is pressed, the head is lowered as shown in the diagram on the right. Press the Stop button (8) after pressing the Playback button (11) to return the head to its original position.

When the batteries are exhausted, replace them or connect the provided AC adaptor before doing the above.

- The Stop button (8) lowers once when the Eject button (6) is pressed or FULL AUTO STOP operates. This is to protect the mechanism using the one-push eject device.



RECORDING

RECORDING FROM RADIO PROGRAMS: Set the unit to the radio reception mode and press the Record button ⑫. (The sound can be monitored through the speakers.)

Note: If beats sound is audible during recording of an AM or SW radio program, set the RIF switch ④ to the position in which such sound is reduced.

RECORDING FROM BUILT-IN (OR EXTERNAL) MICROPHONE: When recording in monaural from built-in microphone, set the Function selector ③ to "TAPE/ [OFF]" and press the Record button ⑫. (The sound cannot be monitored through the speakers.)

When recording from external microphone, connect the microphone plug to the Mixing microphone jack ⑳.

(The sound cannot be monitored through the speakers.)

Note: No stereo recording is possible from the built-in (or external) microphone.

RECORDING FROM STEREO SYSTEM: Recording from stereo system is possible by connecting the Line in jacks ㉔ and the amplifier output terminals using a US pin cord. Set the Function selector ③ to "LINE IN" and press the Record button ⑫.

(The sound can be monitored through the speakers.)

INFORMATION OF RECORDING

- No record level adjustment is necessary during recording. The Levelmatic circuitry adjusts the recording level and reduces distortion of loud sounds.
- Monitoring sound during recording from the built-in radio or a stereo system may be heard at any desired volume and tone (BASS, TREBLE) controls setting without affecting the recording because of the "Variable monitor" device.

TAPE COUNTER

The cassette tape transport position can be seen from the numerals indicated by the counter. Press the Counter Reset button ⑲ to set the Tape Counter ㉑ to 000 when starting recording or playback, and rewind the tape to 000 when recording or playback finishes; the start of the tape can easily be detected.

MIXING

Sounds from a tape or radio broadcast can be mixed with sounds from an external microphone for listening or recording.

MIXING PLAYBACK:

1. Produce the sound source desired to be mixed.

When mixing with Tape Set the tape to the playback mode according to the section "TAPE PLAYBACK".

When mixing with radio Set the radio to the reception mode according to the section "RADIO OPERATION".

When mixing with external equipment Produce the sound from the external equipment according to the section "RECORDING FROM STEREO SYSTEM".

2. Connect the external microphone to the Mixing microphone jack ㉑ and adjust the volume of the microphone, using the Mixing volume control ①.
3. Adjust the Volume, Bass and Treble controls ⑯, ⑭ and ⑮.

MIXING RECORDING:

To record the results of mixing with radio or external equipment, load the tape for recording; when the mixing play starts, press the Record button ⑫.

Note: Howling occurs when the microphone is brought too near the speaker. Move the microphone away from the speaker or down the Volume control ⑯ if howling occurs.

TO STOP THE TAPE

By employing a Full Auto Stop Mechanism, tape stops automatically at the end of tape during recording, playing back, fast forwarding or rewinding.

To stop the tape any other time, press the Stop button ⑧.

By use of the Pause button ⑦, the operation of the recorder can be stopped temporarily during recording or playing back without changing the mode.

Press the Pause button ⑦ again to start recording or playing back.

ERASING

When a recording is being made, any sound already on the tracks is automatically erased before the new recording is made.

Erasure is accomplished only when the recorder is in the recording mode. If you wish to erase a tape without making a new recording, set the Function selector ③ to the "LINE IN" position then press the Record button ⑫ after disconnecting the external microphone and external program sources.

Note: The Record button ⑫ cannot be pressed if there is no cassette or if a cassette without tabs is inserted into the unit.

PRECAUTIONS WITH CASSETTE TAPE

TYPE OF CASSETTE TAPE

This unit has been adjusted using Hitachi cassette tapes, so it is recommended to use Hitachi cassette tapes so that the unit shows its best performance.

The recording time is shown in the list below according to the type of cassette tape.

TYPE		C-30	C-60	C-90
Recording time	One side	15 min.	30 min.	45 min.
	Both sides	30 min.	60 min.	90 min.

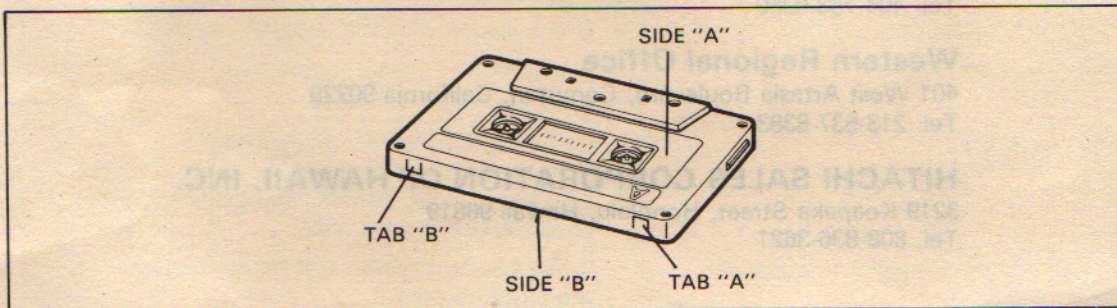
We recommend you not to use C-120 cassette tape. C-120 tape is thinner, consequently a greater danger exists of problems arising from loose or curled tape and variations in tension.

If a tape is played several times continuously, especially if thin tape (C-90 or C-120) is used, the tape might be wound too tightly on the reel which may cause the tape speed to fluctuate. In order to avoid this, it is recommended to tap the cassette several times lightly on the table-top which will loosen the tape on the reel. However, the tape should not be too loose. Especially after fast forwarding or rewinding a C-90 or C-120 cassette, the slack should be taken up by inserting a pencil or ball-point pen in the spindle hole and tightening the tape to prevent looping.

PROTECTION AGAINST ACCIDENTAL ERASURE

If the tabs on the rear of the cassette are punched out (by a screwdriver or similar tool) recordings can be protected against accidental erasure.

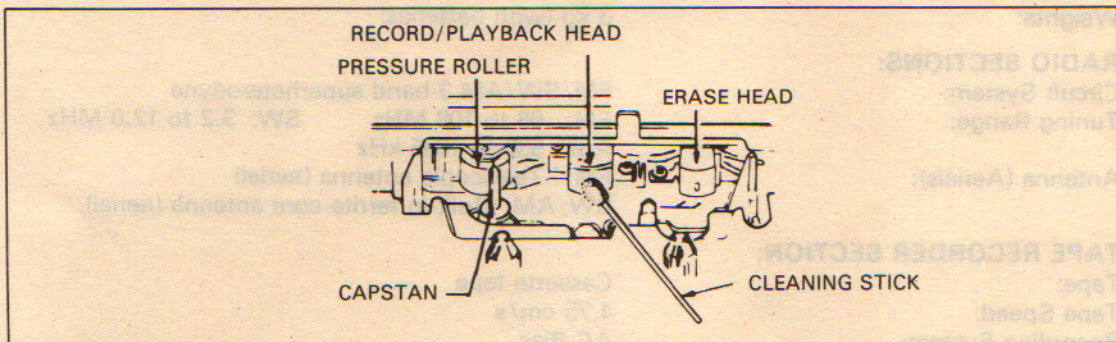
If side "A" of the cassette is to be protected, punch out tab "A". When both sides are to be protected, punch out the both tabs.



MAINTENANCE

In order to keep this unit in its optimum operating condition, clean the heads, capstan and pressure roller periodically with a cleaning stick moistened with alcohol or methylated spirits. These are easily accessible if the cassette lid is opened (press the Eject button (6)) with the Playback button (11) pressed. Never use sharp or metallic instruments or tools for cleaning these parts.

The easiest cleaning can be performed by using a Hitachi head cleaning cassette tape. Hitachi Cassette is provided with piece of head cleaning tape, one at each end; therefore, all accumulated dirt and oxide particles are removed automatically at the beginning and end of the tape.



CHECK THE FOLLOWING BEFORE CALLING FOR SERVICE

Before you jump to the conclusion that it's out of order!

When the unit is not operating properly, one is apt to assume that the unit is faulty. However, there are many possible faults which are not directly attributable to the unit itself. It is recommended to check the following before taking the unit to a Hitachi dealer.

Symptom	Cause
No power	<ul style="list-style-type: none"> • Is the AC adaptor connected properly?
No battery operation. No sound from the radio. Tape does not run when a button is depressed.	<ul style="list-style-type: none"> • Is the AC power cord plug connected to the unit? If so, disconnect it. • Are the batteries properly inserted in the battery compartment? • Are the batteries exhausted?
RECORD button cannot be depressed.	<ul style="list-style-type: none"> • Is cassette inserted in the unit? • Are the accidental erasure prevention tabs punched out? If so, cover the holes with plastic tape.
Cassette cannot be inserted.	<ul style="list-style-type: none"> • Is the direction of the cassette reversed?
No playback	<ul style="list-style-type: none"> • Is the PAUSE button depressed? If so, unlock and release.
No recording	<ul style="list-style-type: none"> • Is the PAUSE button depressed? If so, unlock and release. • Are the cassette tabs for accidental erasure prevention punched out?
Deteriorated sound or irregular tape speed. Slow tape speed or low volume.	<ul style="list-style-type: none"> • Clean heads, capstan and pressure roller with the cleaning stick. • Are the batteries exhausted?

TO STOP RECORDING... Press the Pause button... Press the Record button... The Record button cannot be pressed if there is no cassette or if a cassette without tape is inserted into the unit.

TYPE OF CASSETTE TAPE... The unit has been adjusted using Hi-Fi cassette tapes, so it is recommended to use Hi-Fi cassette tapes so that the unit shows its best performance.

TYPE	Recording time
C-90	90 min
C-60	60 min
C-30	30 min

HITACHI SALES CORPORATION OF AMERICA

For information concerning repairs, operation or technical assistance, please contact the Service Manager of your nearest Regional Office.

Eastern Regional Office

1290 Wall Street West, Lyndhurst, New Jersey 07071
Tel. 201-935-8980

Mid-Western Regional Office

1400 Morse Ave., Elk Grove Village, Ill. 60007
Tel. 312-593-1550

Southern Regional Office

510 Plaza Drive College Park, Georgia 30349
Tel. 404-763-0360

Western Regional Office

401 West Artesia Boulevard, Compton, California 90220
Tel. 213-537-8383

HITACHI SALES CORPORATION OF HAWAII, INC.

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