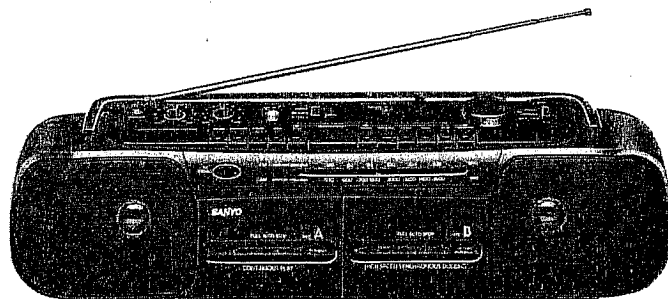


OPERATING
INSTRUCTIONS

SANYO

MW731F

FM STEREO/AM RADIO DOUBLE CASSETTE RECORDER



CONTROLS

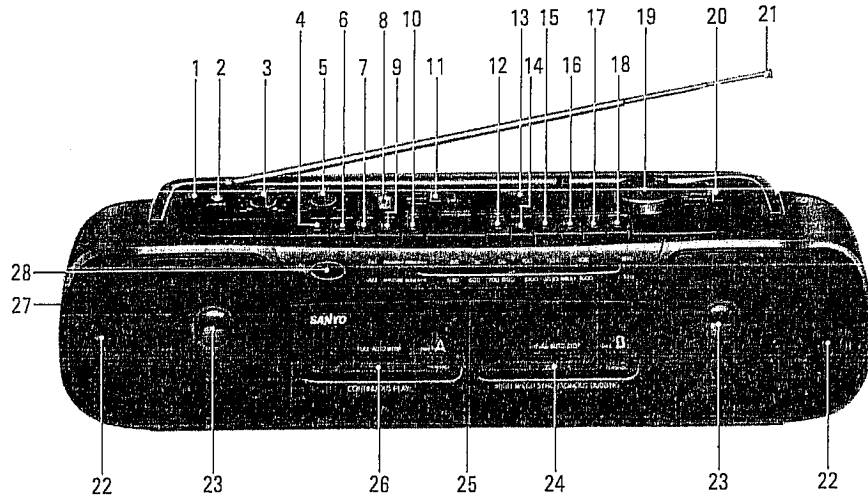


Fig.1

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. Built-in microphone (MIC) 2. Headphone socket (PHONES) 3. Volume control (VOLUME) 4. Pause button (PAUSE) 5. Tone control (TONE) 6. Stop/Eject button (STOP/EJECT) 7. Fast forward button (FFWD) 8. Surround switch (SURROUND) 9. Rewind button (REW) 10. Play button (PLAY) 11. Function selector (FUNCTION) 12. Pause button (PAUSE) 13. Dubbing speed/Beat cancel switch (DUB SPEED/BEAT CANCEL) 14. Stop/Eject button (STOP/EJECT) 15. Fast forward button (FFWD) | <ol style="list-style-type: none"> 16. Rewind button (REW) 17. Play button (PLAY) 18. Record button (RECORD) 19. Tuning control (TUNING) 20. Band selector (BAND) 21. Telescopic aerial 22. Surround speaker 23. Main speaker 24. Cassette compartment lid (TAPE B) 25. Battery/Mains lead compartment lid - rear of the unit - 26. Cassette compartment lid (TAPE A) 27. AC/DC selector (AC/DC) - left side of the unit - 28. FM stereo indicator (FM STEREO) |
|--|---|

POWER SUPPLY

BATTERY POWER OPERATION

1. Set the AC/DC selector to DC.
2. Open the battery/mains lead compartment lid by pushing the latches.
3. Install 6 "D" size batteries exactly as shown on the rear panel.
4. Close the compartment lid.

CAUTION WHEN INSTALLING BATTERIES

To prevent battery leakage, which may possibly result in bodily injury and damage to the unit or other objects, observe the following precautions:

1. All batteries must be installed with proper polarity (see diagram on the back of the unit).

2. Do not mix new with old or used batteries.
3. Only use batteries of the same type and brand.
4. Unused batteries should not be left in unit.

AC POWER OPERATION

1. Set the AC/DC selector to AC.
2. Open the battery/mains lead compartment lid and pull out the mains lead.
3. Connect the mains lead to an AC 240 V wall outlet.
4. Close the compartment lid with the mains lead running through the notch in the lid.

SURROUND SYSTEM

"SURROUND" is a sound space formation method which brings about the feel of a live performance by expanding sound. To experience this

exciting new dimension in sound quality, simply set the SURROUND switch to ON.

RADIO OPERATION

1. Set the FUNCTION selector to RADIO.
2. Select the required radio band with the BAND selector.
3. Tune in a desired station by turning the TUNING control.
4. Adjust the VOLUME and TONE controls to the desired sound level and tone.
5. To turn the radio off, set the FUNCTION selector to OFF.

AERIAL

For AM reception, the aerial inside the unit is somewhat directional, and so reception from distant stations may sometimes be improved by rotating the unit. For FM reception, pull out the telescopic aerial and determine the direction, length and angle to give the best reception.

BAND SELECTOR (BAND)

For receiving an AM broadcast, set the selector to AM. For receiving an FM stereo broadcast, set the selector to FM STEREO. The FM STEREO indicator will light up when an FM stereo broadcast is being received. For receiving mono or weak-signal FM stereo broadcasts, set the selector to FM MONO to avoid possible interference.

HEADPHONE SOCKET (PHONES)

For private listening, connect a stereo headphone (32-ohm impedance, not supplied) to this socket.

HELPFUL HINTS

INSERTING AND REMOVING THE CASSETTE (TAPE A) (TAPE B)

Open the cassette compartment lid by pressing the STOP/EJECT button. Insert the cassette placing the full reel on the right and the exposed section of tape at the top. Close the lid.

To use the second track, press the STOP/EJECT button and remove the cassette. Turn the cassette around and reinsert it as previously described.

PREVENTION OF ACCIDENTAL ERASING (Fig. 2) (TAPE B)

To protect valuable recordings from accidental erasure, the unit and the cassette are equipped with standard safety features. To keep the recorded material, break out the tabs on the back of the cassette with a knife or screwdriver. To protect side A (1) from accidental erasure, break out the right side tab (2). To record on a cassette from which the tabs have been removed, simply attach adhesive tape (3) over the tab opening. The unit will not operate in the recording mode when a cassette tab has been removed.

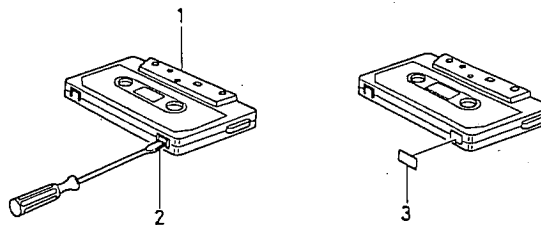


Fig. 2

PLAYBACK (TAPE A) (TAPE B)

1. Press the STOP/EJECT button and insert a recorded cassette.
2. Set the FUNCTION selector to TAPE.
3. Press the PLAY button.
 - If both PLAY buttons are pressed simultaneously, Tape-A and Tape-B will be mixed and reproduced from the speakers.
4. Adjust the VOLUME and TONE controls to the desired sound level and tone.
5. Press the STOP/EJECT button to stop playback at any time. When the end of the tape has been reached, the automatic stop will be activated.

PLAYBACK OF TAPE-A AND TAPE-B CONTINUOUSLY (TAPE A) ⇔ (TAPE B)

1. Set the FUNCTION selector to TAPE.
2. Press the PLAY button (TAPE A side).
3. Press the PAUSE button (TAPE B side).
4. Press the PLAY button (TAPE B side). (Tape-B will not move.)

When the end of the tape is reached on TAPE A, the automatic stop will be activated. Then the PAUSE button will be released and TAPE B will automatically begin to play back.

When the end of the tape is reached on TAPE B, the automatic stop will be activated.

CAUTION:

While playing or recording, do not press the FFWD or REW button of the other tape mechanism, as it may result in inferior sound quality.

PAUSE (TAPE A) or (TAPE B)

Press the PAUSE button to momentarily stop tape travel during playback or recording. Re-press the button to re-start playback or recording.

FAST FORWARD AND REWIND (TAPE A) (TAPE B)

For fast winding or rewinding the tape, press the FFWD or REW button. Press the STOP/EJECT button when the desired location has been reached. When the end of the tape has been reached, the automatic stop will be activated.

FULL AUTOMATIC STOP

When the end of the tape has been reached, the head block completely separates from the tape and capstan. This protects tape and prevents pinch roller wearing out.

RECORDING (TAPE B)

This unit has an ALC circuit and no further adjustment of recording level is necessary.

A) RECORDING FROM THE BUILT-IN RADIO

1. Tune in a desired radio programme as previously described in "RADIO OPERATION".
2. Press the RECORD button.
3. Since you can monitor through the speakers regardless of recording level, adjust the VOLUME, and TONE controls to the desired sound level and tone.
4. Press the STOP/EJECT button to stop recording at any time. When the end of the tape has been reached, the automatic stop will be activated.

BEAT CANCEL SWITCH (DUB SPEED/BEAT CANCEL)

When recording a radio programme, an annoying beat sound (high pitched tone) may sometimes be heard. In this case, simply change the switch position so that the beat sound is reduced.

B) RECORDING FROM THE BUILT-IN MICROPHONE (mono recording)

1. Set the FUNCTION selector to TAPE.
2. Press the RECORD button.
3. Speak in a normal voice at a distance of approximately 45 cm away from the unit.

Note:

To prevent feedback, monitoring is not possible.

ERASING

Insert a cassette into the Tape-B and make sure that the Tape-A cassette is removed.

1. Set the FUNCTION selector to DUB.
2. Set the DUB SPEED/BEAT CANCEL switch to NORMAL.
3. Press the RECORD button.

DUBBING OPERATION (from TAPE A to TAPE B)

Recording of radio programmes or dubbing of tapes is permissible only insofar as copyright or other rights of third parties are not thereby infringed.

DUBBING

1. Insert a recorded cassette into the TAPE A and a cassette to be recorded on into the TAPE B.
2. Rewind the tape (TAPE A side) to the beginning of the tape or a particular section.
3. Set the FUNCTION selector to DUB.
4. Select the dubbing speed with the DUB SPEED/BEAT CANCEL switch.

HIGH:

For dubbing the whole tape at high speed (twice normal speed)

NORMAL:

For dubbing with monitoring at normal speed or for dubbing a particular section

5. Press the PAUSE button (TAPE B side).
6. Press the RECORD button (TAPE B side).
7. To start the dubbing operation, press the PLAY button (TAPE A side).
8. To stop the dubbing, press both STOP/EJECT buttons.

AUTOMATIC STOP IN DUBBING OPERATION

- A) If TAPE A tape is longer than TAPE B:
After the automatic stop has been activated on TAPE B, TAPE A will continue to play back at normal speed.
- B) If TAPE B tape is longer than TAPE A:
After the automatic stop has activated on TAPE A, TAPE B will be in the erasing mode. Then the STOP/EJECT button should be pressed.

Note:

Do not change the dubbing speed during the dubbing operation.

MAINTENANCE

To ensure the continued high performance of your unit, periodically clean the heads and pinch rollers to prevent accumulation of dust or tape oxide deposits.

1. Open both cassette compartment lids by pressing both STOP/EJECT buttons.
2. Press the PLAY button (TAPE A side). Press the RECORD button (TAPE B side) while holding the lever down as shown in Fig. 3.
3. Moisten a cotton bud (1) with head cleaner or methylated spirit and apply to the faces of heads (2, 5, and 6), rubbing gently until all traces of dirt or oxide are removed. Also clean the surfaces of the pinch rollers (3 and 7) and the capstans (4 and 8) (Fig. 4).

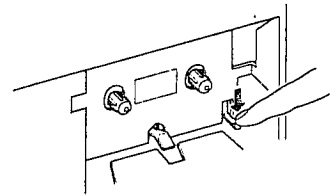


Fig.3

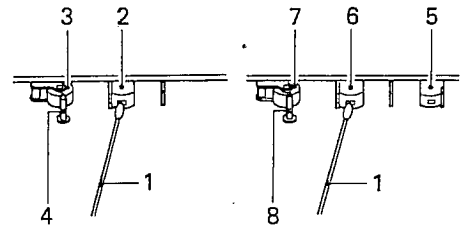


Fig.4

SPECIFICATIONS

Recording system:
AC bias, 4-track stereo
Erasing system:
Magnet erase, 2-track
Rewind and fast forward time:
1 min. 50 sec. (C-60)
Frequency range:
AM: 530-1,605 kHz
FM: 87.5-108 MHz
Terminal impedance:
PHONES: 32 ohms
Frequency response:
63 - 14,000 Hz

Output power:
3.5 W x 2 maximum
Power source:
DC: 9 V, "D" size x 6
AC: 240 V, 50 Hz
Dimensions:
Approx. 575 (W) x 131 (D) x 136 (H) mm
Weight:
Approx. 3.4 kg. including batteries

Specifications subject to change without notice.

SANYO

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