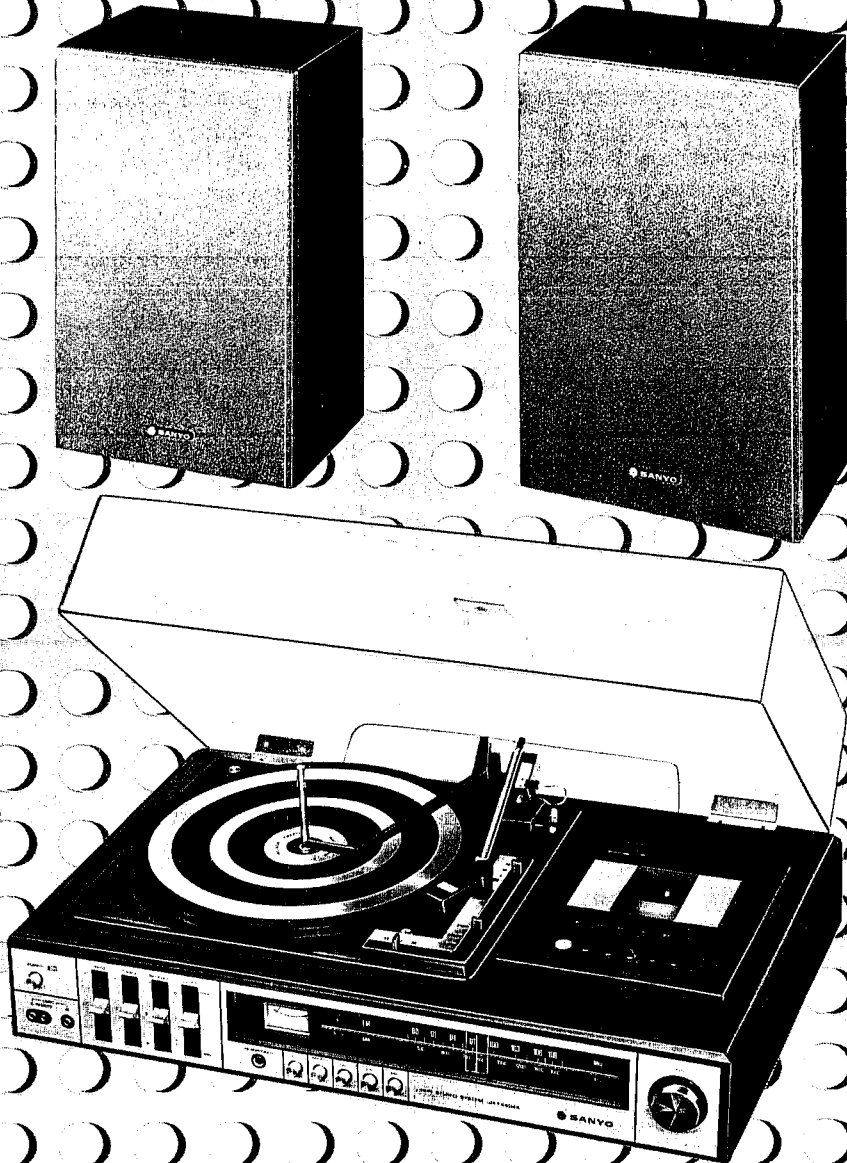


Hi-Fi STEREO SYSTEM

INSTRUCTION MANUAL



JXT 4404R

1. Power switch
2. Remote control socket
Connection for a remote control microphone or remote control circuit.
3. Microphone input sockets
Connection for microphones.
4. Bass control knob
Sliding this knob upwards results in stronger reproduction of low frequencies.
5. Treble control knob
Sliding this knob upwards results in stronger reproduction of high frequencies.
6. Balance control knob
To emphasize the left side speaker volume, slide the knob upward; to emphasize the right side speaker volume, slide it downward. Adjust the knob so that the sound appears to come from a point between both speakers.
7. Volume control knob
Sliding this knob upwards increases the volume of both channels.
8. FM stereo indicator lamp
Will light when an FM stereo programme is being received.
9. Headphones socket
Connection for stereo headphones.
10. Tuning meter
Indicates tuning condition.
11. Loudness switch
Set this switch to the ON position to compensate tonal response when the VOLUME is adjusted to low position.
12. Function select switches
TAPE For playback on the built-in cassette recorder.
PHONO/AUX For playing records on the built-in record changer or using the AUX sockets.
FM For listening to FM broadcast stations.
MW For listening to MW broadcast stations.
13. Tuning knob
For selecting the desired radio station.
14. Record button
Press the RECORD and PLAY buttons to activate record circuit and erase head.
15. Rewind button
Press to rewind the tape quickly.
16. Fast forward button
Press to wind the tape forward quickly.
17. Play button
Press to start playback.
18. Stop/Eject button
Press this button when you wish to stop the unit manually while it is operating. After the unit has stopped operating, re-press this button, and the cassette will be ejected from the cassette compartment.
19. Pause button
Press to momentarily stop the tape travel during recording and playback.
20. Cassette compartment lid
21. Tape counter and reset button
Use this tape counter to find the desired position quickly.
22. Beat cancel switch
23. Speaker sockets
Plug the lead from the right speaker into the R socket, and that from the left speaker into the L socket.
24. Record output sockets
Connect to the tape monitor or auxiliary inputs of stereo receiver, amplifier or other stereo system.
25. Auxiliary input sockets
Connect the patch cords to these sockets and other ends to output of tuner, phonograph or equivalent.
26. AC power cord
27. FM aerial lead

DESCRIPTION

This Hi-Fi STEREO SYSTEM was developed and engineered by SANYO to be a source of entertainment and listening pleasure for many years to come. Before you install and start operating your

unit, please read the instructions in this booklet carefully. This will prevent errors in operation and will assure maximum performance of your unit and maximum listening enjoyment.

PREPARATION

1. Unpack the unit and speakers.
2. Remove all packing material from around the record changer.
3. For initial preparation of record changer, please refer to "BSR Operating Instructions" manual provided with your unit.
4. Connect the speakers before supplying power.
5. Plug the power cord into an AC outlet.

PLACEMENT

1. Select a well-ventilated place that is not exposed to direct sunlight.
2. Avoid humid or dusty places.
3. The unit should not be placed near electric appliances that cause interference, such as motors, strong magnets etc. Locations near electric heating systems should also be avoided.
4. In concrete buildings radio reception is improved if the unit is placed near a window.

NOTE:

Do not place a cushion under the main unit for well ventilation.

CONTROLS (Cassette Recorder and Radio Section)

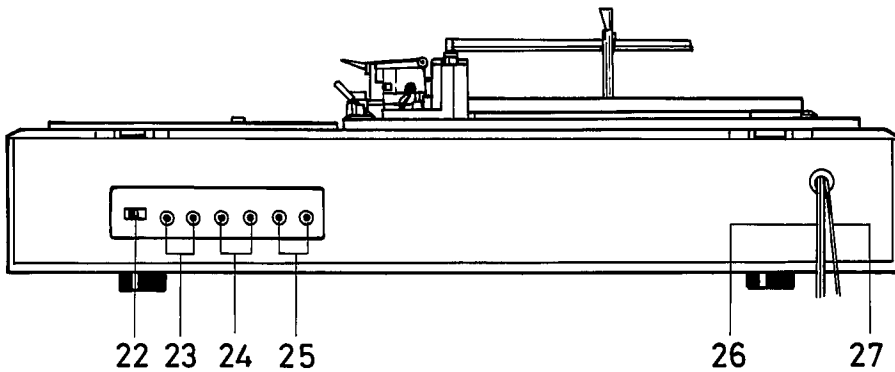
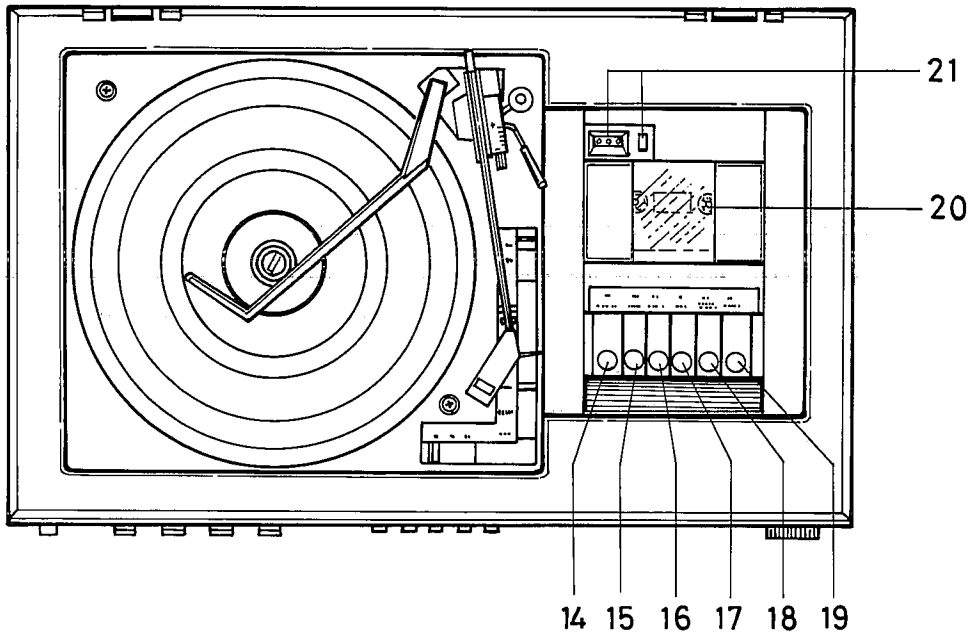
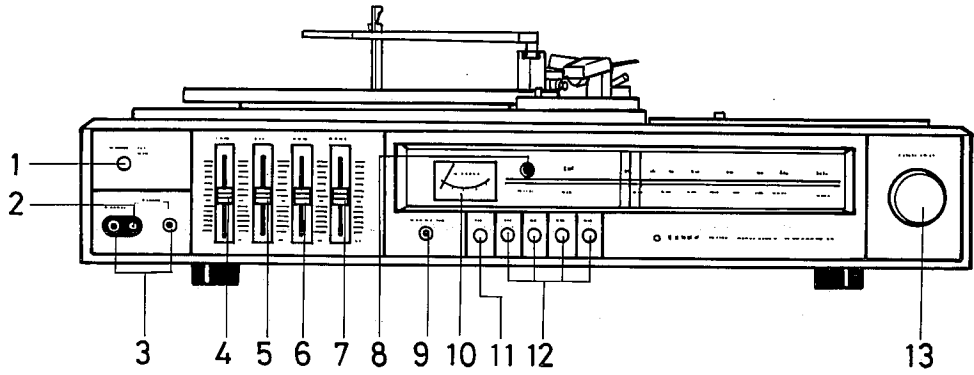


Fig. 1

CONNECTIONS

Connect to suitable sound system as shown in Fig. 2.

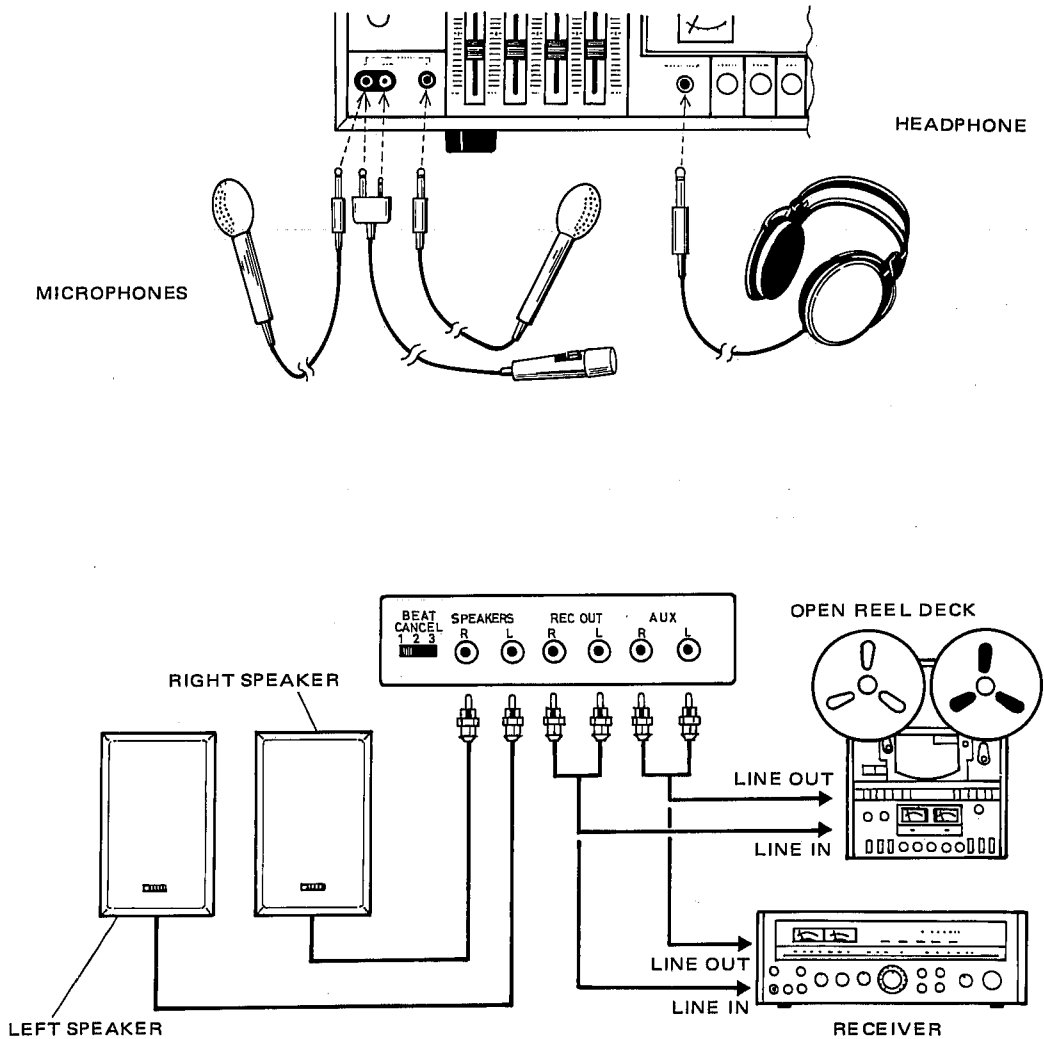


Fig. 2

RADIO OPERATION

Aerial (Antenna)

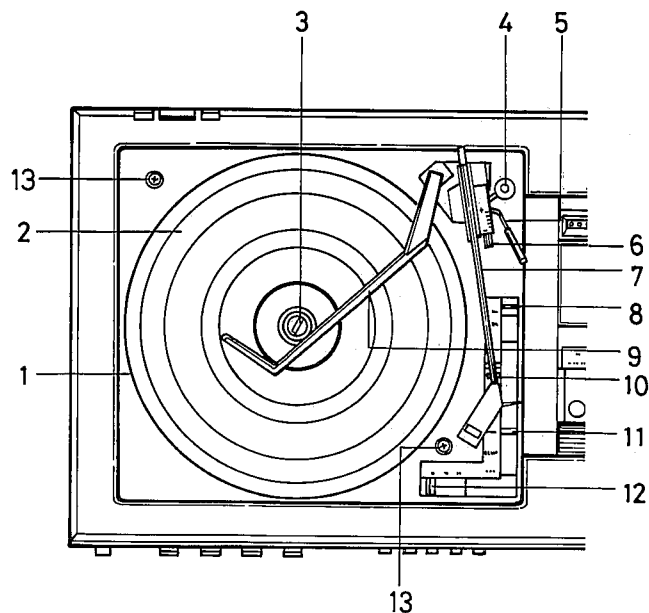
This unit is equipped with a built-in ferrite bar aerial for MW reception and should not require an external MW aerial under normal conditions.

For FM reception, a short wire aerial is provided, unwind the aerial and extend it to full length.

Reception of Radio Programmes

1. Push the POWER switch to ON.
2. Push the FM or MW function select switch as desired.
3. Tune in a desired station by turning the tuning control so that the TUNING meter pointer shows maximum swing to the right. The STEREO indicator lamp will light when an FM stereo broadcast is received.
4. Adjust the VOLUME, BALANCE, BASS and TREBLE controls for your desired sound.
5. If you desire to listen to the radio programme privately, plug optional headphones into the HEADPHONES socket.

CONTROLS (Record Changer Section)



1. Turntable
2. Trime plates
3. Centre spindle
4. Anti-skating control
5. Cueing lever
6. Stylus pressure adjusting screw
7. Pick-up arm
8. Record size selector
9. Control arm
10. Pick-up clip
11. Starting lever
12. Speed control
13. Transit screw

Fig. 3

RECORD CHANGER OPERATION

For operation of record changer, please refer to "BSR Operating Instructions" manual provided with your unit.

Record Playing

1. Push the PHONO/AUX function select switch.
2. Play records.
3. Adjust the VOLUME, BALANCE, BASS and TREBLE controls for your desired sound.

NOTE:

The auxiliary input signals should be off during this "Record Playing".

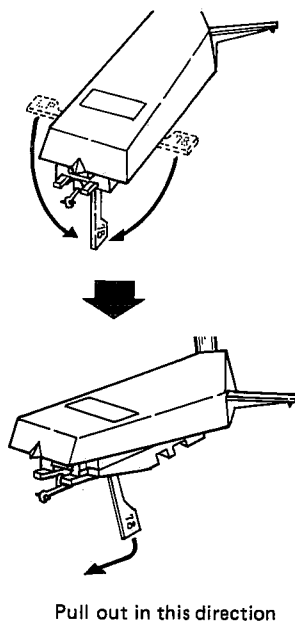
To Convert Set for Different AC Frequency

Please consult your nearest SANYO agent.

*Anti-skating control (Preset at factory)

Set the anti-skating previously set for stylus force.

Replacing the Stylus (Shown on Fig. 4).



Pull out in this direction

Fig. 4

CASSETTE RECORDER OPERATION

Inserting and Removing the Cassette

Open the cassette compartment lid by pressing the STOP/EJECT button. Insert the cassette with the full reel to the left (visible through the window) and tape slot toward you (Fig. 5). The cassette fits into the unit only in the correct position. Push the cassette compartment lid. Now the unit is ready to operate. To use the second track, press the STOP/EJECT button and remove the cassette. Turn the cassette over and reinsert it as previously described (Fig. 6).

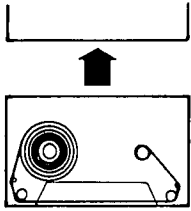


Fig. 5

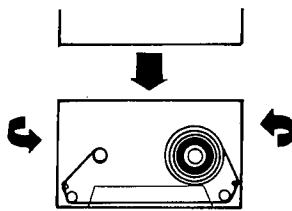


Fig. 6

NOTE:

Both ends of the tape are attached permanently to the reels, when the end of the tape has been reached during fast forward or rewind mode, the reels will stop. Then the STOP/EJECT button should be pressed. At the end of the tape while playing back or recording, the PLAY button or RECORD and PLAY buttons will be automatically released and the unit will be in the stop position.

Counter

A 3-digit counter enables you to instantly locate any point on a tape. When recording at the beginning of a tape, set counter to "000" by pressing the reset button. As you record various selections, make a note of the counter number at the beginning of each selection. To playback a particular selection, use the F FWD button to move the tape until the counter registers the previously noted number for that selection. If the cassette has been removed from the unit, first rewind the tape completely and reset the counter to "000".

To Avoid Accidental Erasing

Whenever a recording is made, the sound previously recorded is erased automatically. To protect valuable recordings from accidental erasing, the unit and cassette are equipped with safety devices. To keep the recorded material permanently, break out the tabs on the back of the cassette with a knife or screw driver. To protect the TOP side of the tape from accidental erasing, break out the right side tab. To record on a cassette from which the tabs have been removed, simply attach adhesive tape over the tab opening (Fig. 7). The RECORD button will not lock in when a cassette tab has been removed.

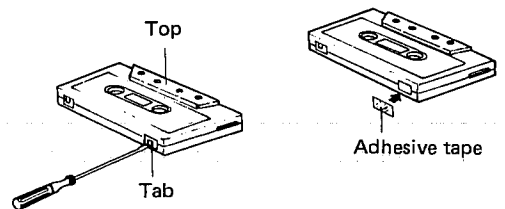


Fig. 7

Track System

When a cassette is inserted with "SIDE 1" facing you, recording or playback is done on tracks 1 and 2 (Fig. 8). The tracks 4 and 3 can be used by simply turning the cassette over and inserting it with "SIDE 2" facing you.

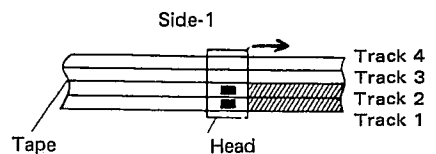


Fig. 8

Recording

NOTE:

Microphones should not be plugged in except "Recording from Microphones".

a) Recording from Microphones

1. Press the STOP/EJECT button and insert the cassette into its compartment.
2. Push the TAPE function select switch.
3. Plug two microphones (one microphone is supplied) into the MIC (and REMOTE) sockets.
4. Reset the tape counter to "000".
5. Press the RECORD and PLAY buttons simultaneously.
6. Speak in a normal voice at a distance of approximately 5 inches away from the microphone.
7. This unit has an automatic level control (ALC) circuit and does not require any adjustment of volume, balance, bass and treble controls while recording.
8. Since you can monitor through the speakers regardless of recording level, adjust the VOLUME, BALANCE, BASS and TREBLE controls for your desired sound.
9. Press the STOP/EJECT button to stop recording at any position. When the tape is wound completely, the RECORD and PLAY buttons will be released automatically.

NOTE:

During this recording the monitor volume must be reduced as much as possible to prevent howling.

* Pause button

To start and stop the tape movement during recording, re-press and press the PAUSE button.

b) Recording from the Built-in Radio

1. Push the FM or MW function select switch as desired and tune in a desired radio programme as described in "RADIO OPERATION".
2. Follow the steps of 4, 5, 7, 8 and 9 of "Recording from Microphones".

* Beat cancel switch

When recording a MW radio program on tape, an irritating beat sound may sometimes appear, caused by interaction between the radio frequency and the recording bias frequency. In such a case, use the BEAT CANCEL switch and find out the best position.

c) Recording from the Built-in Record Changer

1. Press the PHONO/AUX function select switch and play a record as described in "RECORD CHANGER OPERATION".
2. Follow the steps of 4, 5, 7, 8 and 9 of "Recording from Microphones".

NOTE:

The auxiliary input signals should be off during this recording.

d) Recording from External Sound Source

1. Push the PHONO/AUX function select switch.
2. Connect optional patch cords (RCA type) from the output of other signal source to the AUX sockets of the unit.
3. Follow the steps of 4, 5, 7, 8 and 9 of "Recording from Microphones".

Fast Forward and Rewind

For fast winding or rewind of the tape, press the F FWD or REW button. Press the STOP/EJECT button when desired location or the end of the tape has been reached.

Erasing

If you desire to erase the cassette without a new recording, Push the TAPE function select switch. Disconnect microphones and let the unit operate in the record mode.

Playback

1. Press the STOP/EJECT button and insert the recorded cassette into its compartment.
2. Push the TAPE function select switch.
3. Press the PLAY button.
4. Adjust the VOLUME, BALANCE, BASS and TREBLE controls to your desired sound.
5. To stop the playback at any position on a tape, press the STOP/EJECT button. When the tape is wound completely, the PLAY button will be released automatically.

NOTE:

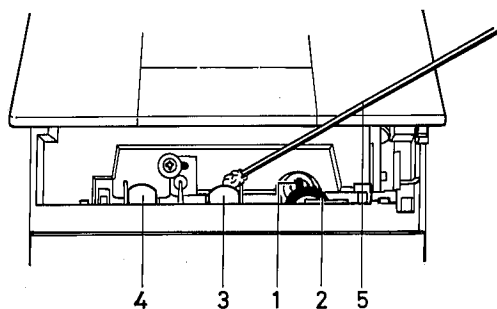
To listen to the tape, radio programme or records with your amplifier, connect optional patch cords (RCA type) from the REC OUT sockets of this unit to the line input sockets of your amplifier. The REC OUT signal levels are fixed regardless of VOLUME position.

If you wish to record (or play) from the built-in record changer to your other tape deck (or audio system), connect the REC OUT sockets of this unit to line input sockets of your tape deck (or audio system). The AUX sockets of this unit should be disconnected to prevent howling.

MAINTENANCE

To ensure continued high performance from your unit, periodically clean the heads and pinch roller whenever dust or reddish-brown oxide has accumulated. Failure to clean these parts will result in inferior sound quality, distortion of recordings, deterioration of high frequency reproduction, and inconsistent tape speed (Fig. 9).

1. Press the STOP/EJECT button and open the cassette compartment lid.
2. Press the PLAY button.
3. Moisten a cotton applicator with cleaner or alcohol and apply to the face of both heads, rubbing gently until all traces of dirt or oxide are removed. Also clean the surface of the pinch roller and the capstan.
4. Dry, clean, and polish the face of the heads with a piece of cloth.



1. Capstan
2. Pinch roller
3. Record/Play head
4. Erase head
5. Cotton swab

Fig. 9

SPECIFICATIONS

Radio Section

Frequency range	MW: 530 – 1,605 kHz FM: 88 – 108 MHz
Intermediate frequency	MW: 455 kHz FM: 10.7 MHz
Sensitivity	MW: 250 μ V/m FM: 6 μ V

Record Changer Section

Type	Fully automatic record changer
Speed	33-1/3, 45, 78 r.p.m.
Cartridge & stylus	Stereo ceramic cartridge, sapphire stylus
Turntable	11" (diameter)

Cassette Recorder Section

Recording system	AC bias
Erasing system	AC erase
Tape speed	1-7/8" i.p.s.
Wow & flutter	0.15 % WRMS
Signal to noise ratio	45 dB

Speaker Section

Speaker	5" speaker x 2
Impedance	8 ohms

General

Output power	12 W (P.M.P.) 3 W per channel (R.M.S. at 10 % T.H.D.)
Power source	AC: 240V, 50Hz
Power consumption	30 W
Dimensions	Main unit: 22-5/8"(W) x 14-3/8"(D) x 8-1/8"(H) (575 x 365 x 205 mm) Speakers: 9-3/8"(W) x 6-5/16"(D) x 14-3/16"(H) (237 x 158 x 360 mm)
Weight	Main unit: Approx. 20 lbs. (9 kg) Speakers: Approx. 5 lbs. 10 ozs. (2.6 kg) x 2

*Specifications subject to change without notice.