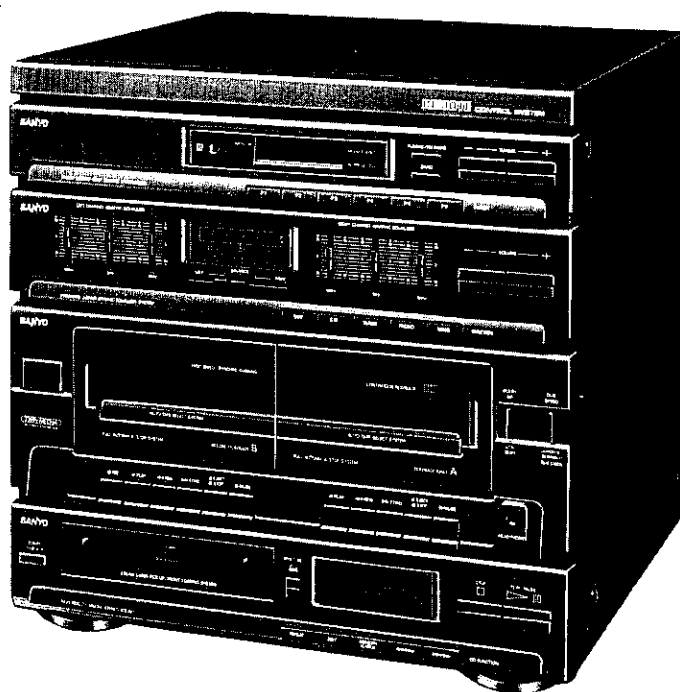


INSTRUCTION
MANUAL

SANYO

DC-X601 TP-X801

STEREO SOUND SYSTEM BELT DRIVE TURNTABLE



FOR SAFE AND EFFICIENT OPERATION

- If water should enter the unit, electrical shock or malfunction may result. Always use it in a place where there is low humidity and little dust.
- Do not use where there are extremes of temperature (below 5°C or exceeding 35°C) or where direct sunlight may strike it.
- Because of the CD player's extremely low noise and wide dynamic range, there might be a tendency to turn the volume on the amplifier unnecessarily high. Doing so may produce an excessively large output from the amplifier which could damage your speakers.
- Sudden changes in the surrounding temperature can cause dew to form on the optical lens inside. In this condition the laser cannot pick up the signal and the unit will not operate properly. If this should happen, do not use the player until it has adjusted to the surrounding temperature.
- Do not use volatile chemicals on this unit (insecticides, etc.). Clean by lightly wiping with a soft cloth.
- If trouble occurs
To avoid electric shock or any accidents to yourself or the unit, have the unit bench tested by a SANYO dealer. Do not remove the unit from its cabinet to attempt a repair yourself.

CAUTION – USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED IN THE OPERATING INSTRUCTIONS MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. THE COMPACT DISC PLAYER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED PERSONNEL.

CONNECTIONS (Fig. 1)

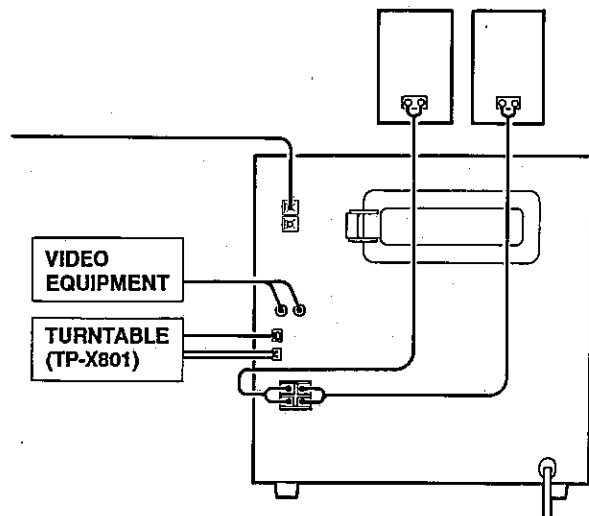


Fig. 1

Power supply

Connect the mains lead to an AC 240 V wall outlet.

Note:

- Do not connect the mains lead to an AC outlet until all connections have been made.
- Before connecting the mains lead, set the POWER switch to OFF.

Aerials

In local areas the simple indoor aerial (supplied) is sufficient to receive FM broadcasts and should be connected to the upper FM aerial terminal (rear of the unit). In fringe areas or where reception is distorted or noisy, an FM outdoor aerial (not supplied) should be connected instead of the indoor aerial. The terminals will accept 75-ohm coaxial cable.

The loop aerial can be used for AM reception. Attach the loop aerial into the aerial holder as shown in Fig. 2. Adjust its angle for best reception (Fig. 3); or detach from unit and fix in alternative position for good reception.

Note:

For better AM radio reception, the speaker, mains and any other leads should not come close to the external aerial terminals and loop aerial. Do not place the unit beside a metal surface.

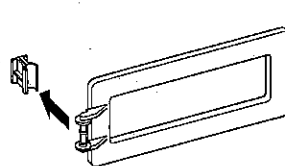


Fig. 2

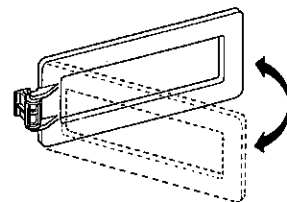


Fig. 3

Speaker terminals (SPEAKERS)

These terminals will accept speakers of 8 ohms minimum impedance. The speaker wires should be connected to the speaker terminals with the proper polarity. The red terminals are (+) positive and black terminals are (-) negative (Fig. 4).

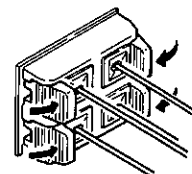
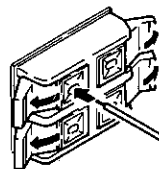


Fig. 4

Note:

With incorrect polarity connections, proper stereo reproduction cannot be obtained.

Video equipment input sockets (VIDEO)

Connection for the audio output sockets of a video equipment.

Turntable sockets (TURNTABLE)

Connect the output lead and power supply lead of the TP-X801 turntable to the PHONO and DC 12V sockets of the unit respectively.

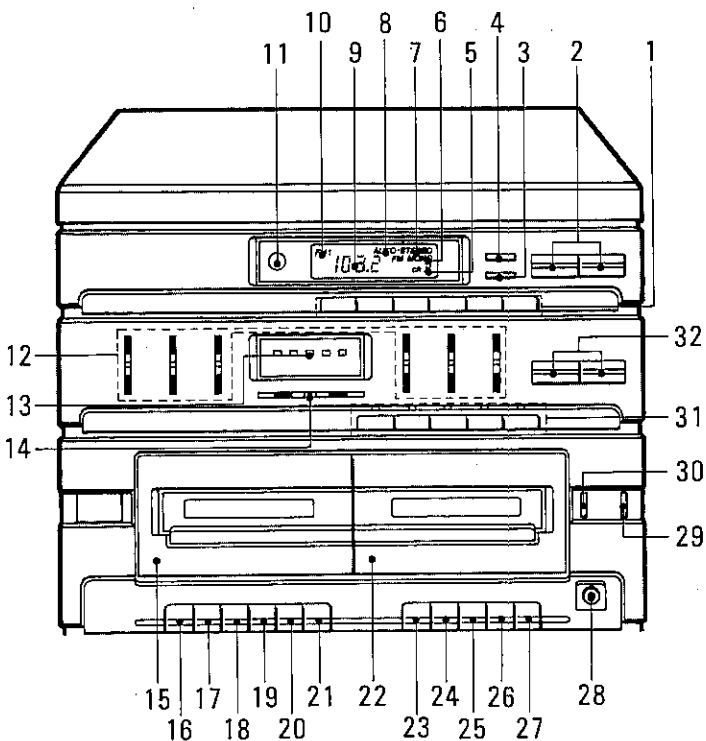
Headphones socket (HEADPHONES)

Connect stereo headphones (8 ohms to 10 kohms, optional) for monitoring or for private listening. The speakers are automatically disconnected when headphones are connected to the HEADPHONES socket.

CONTROLS (Fig. 5)

Tuner/Tape/Audio section

- 1. Preset station and memory switches (PRESET)
- 2. Tuning switches (TUNING)
- 3. Band select switch (BAND)
- 4. Tuning select/FM mode switch (TUNING/FM MODE)
- 5. Preset channel indicator (PRESET CH)
- 6. FM mono indicator (FM MONO)
- 7. FM stereo indicator (FM STEREO)
- 8. Auto tuning indicator (AUTO)
- 9. Digital frequency display
- 10. Radio band indicator (BAND)
- 11. Infrared remote control sensor (IR)



- 12. Illuminated graphic equalizer controls (LEFT CHANNEL GRAPHIC EQUALIZER/RIGHT CHANNEL GRAPHIC EQUALIZER)
- 13. Volume level meter (VOL. LEVEL)
- 14. Balance control (BALANCE)

TAPE B

- 15. Cassette compartment lid
- 16. Record button (REC)
- 17. Play button (PLAY)
- 18. Rewind button (REW)
- 19. Fast forward button (FFWD)
- 20. Stop/Eject button (STOP/EJECT)
- 21. Pause button (PAUSE)

TAPE A

- 22. Cassette compartment lid
- 23. Play button (PLAY)
- 24. Rewind button (REW)
- 25. Fast forward button (FFWD)
- 26. Stop/Eject button (STOP/EJECT)
- 27. Pause button (PAUSE)

- 28. Headphones socket (HEADPHONES)
- 29. Dubbing speed/Beat cancel switch (DUB. SPEED/BEAT CANCEL)
- 30. Dolby NR switch (DOLBY NR)
- 31. Function switches and indicators (FUNCTION)
- 32. Volume controls (VOLUME)

CD section

- 33. Power switch (POWER)
- 34. Disc compartment
- 35. Open and close switch for the disc tray (OPEN/CLOSE)
- 36. CD display

CD operation indicators

- 37. Random indicator (RANDOM)
- 38. Play indicator (PLAY)
- 39. Edit indicator (EDIT)
- 40. Repeat indicator (REPEAT)
- 41. Programme indicator (PROG.)
- 42. Side A/Side B indicators (A SIDE B)

- 43. Stop switch (STOP)
- 44. Play/Pause switch (PLAY/PAUSE)
- 45. Skip/Search switches (◀◀ / ▶▶, ▶▶ / ▶▶)
- 46. Memory/Check switch (MEMORY/CHECK)
- 47. Edit switch (EDIT)
- 48. Repeat switch (REPEAT)

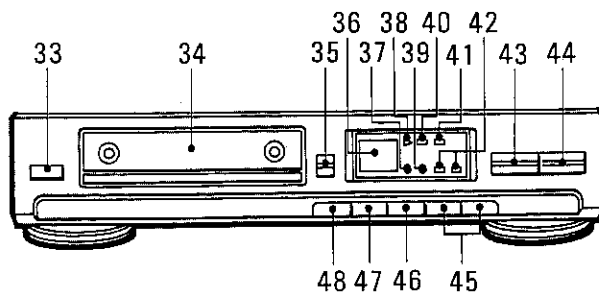


Fig. 5

RB-X801 REMOTE CONTROLLER

Controls (Fig. 6)

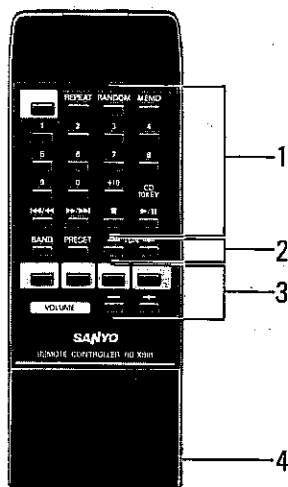


Fig. 6

1. CD player function buttons
CD: CD function button
REPEAT: Repeat button
RANDOM: Random play button
MEMO: Memory/Check button
0 - 9 and +10: Track number buttons
◀ / ◀◀ and ▶▶ / ▶▶▶▶ : Skip/Search buttons
■ : Stop button
▶ / ■■ : Play/Pause button
2. Tuner function buttons
BAND: Band button
PRESET: Preset button
- TUN +: Tuning buttons
3. Amplifier function buttons
TUNER: Tuner function button
TAPE: Tape function button
PHONO: Phono function button
VIDEO: Video function button
VOLUME - +: Volume buttons
4. Battery compartment lid (back of the unit)

By using the remote controller, you can operate the system in almost the same way as with the controls of the main unit.

Inserting batteries

1. Open the battery compartment lid by sliding the lid.
2. Install 2 "AA/SUM-3/R6" size batteries into the battery compartment matching the polarity as shown in the battery compartment.
3. Close the battery compartment lid.

Note:

Always remove batteries if the remote controller is not going to be used for a month or more. Batteries left in the unit may leak and cause damage.

Remote control range

Use the remote controller within an angle of 30° at the left and right horizontally and over distances up to about 7 meters straight ahead (Fig. 7).

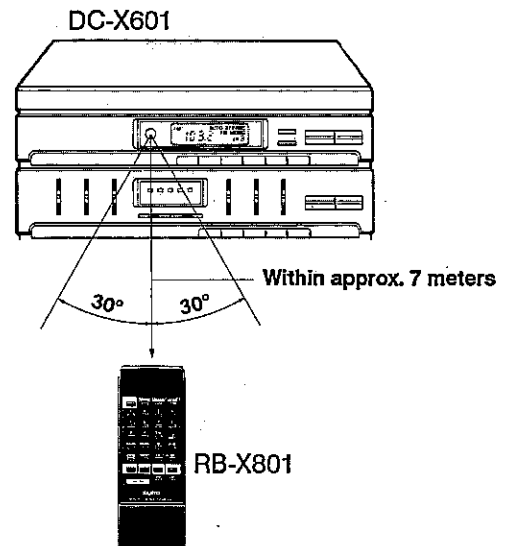


Fig. 7

RADIO RECEPTION

Automatic or manual tuning operation

1. Turn on the power by pressing the POWER switch.
2. Press the TUNER FUNCTION switch.
(The last received station will be selected.)
 - If any control switch of the tuner section are pressed, source automatically switches to TUNER.
3. Select the desired radio band (FM1, FM2, FM3 or AM) by pressing the BAND switch.
4. a. For automatic tuning, set the TUNING/FM MODE switch to auto/stereo. (The AUTO indicator illuminates.) Press either the "+" or "-" TUNING switch, the unit will now search until it finds a radio broadcast. Having done so it will stop on the best reception frequency. Press either the "+" or "-" TUNING switch again, for tuning the next broadcast station. The automatic tuning may not receive a distant station or weak-signal station.
b. For manual tuning, set the TUNING/FM MODE switch to manual/mono. (The AUTO indicator goes out.) Select the frequency of a desired station by means of the TUNING switches. Press either the "+" or "-" switch continuously until you are close to the desired frequency and then briefly (and if required, repeatedly), press the appropriate switch until you have reached the desired frequency.
5. For receiving an FM stereo broadcast, set the TUNING/FM MODE switch to auto/stereo.
When an FM stereo broadcast is received, the FM STEREO indicator illuminates. When a weak-signal FM broadcast is received in stereo, press the TUNING/FM MODE switch to manual/mono to improve reception. The FM STEREO indicator goes out and the FM MONO indicator illuminates.
6. Adjust the VOLUME, BALANCE and GRAPHIC EQUALIZER controls to the desired sound level and sound equalization.

To preset stations and preset tuning operation

For presetting a station, the unit has an electronic memory circuit which is capable of memorizing up to 24 stations. (e.g. 6 FM1, 6 FM2, 6 FM3 and 6 AM stations).

1. Press the TUNER FUNCTION switch.
2. Select the desired radio band.
3. Tune in the desired station.
4. Press and hold in the desired PRESET switch until the flashing PRESET CH indicator is illuminated (more than 2 seconds). The radio broadcast is now preset.

Note:

The PRESET button on the remote controller cannot be used for presetting stations.

5. To preset the other stations, follow the same procedure of steps 2 to 4.
6. Now, you can receive the desired FM or AM broadcast station quickly and accurately. Select the desired band. Press and release the PRESET switch in one touch (less than 2 sec.), and the preset station will be heard.

(For the remote controller operation)

Press the PRESET button on the remote controller to receive the desired preset station. Every time the button is pressed, the preset channel display changes as:

ch 1, ch 2, ch 3, ch 4, ch 5, ch 6, ch 1, ...

Note:

- Once you have preset desired stations, even if the unit is turned off, station memories will remain. But if the unit is turned off for a long time, the station memories may not remain. In this case you must preset the stations again.
- To avoid noisy radio reception, do not operate the turntable during radio reception.

Graphic equalizer controls (LEFT CHANNEL GRAPHIC EQUALIZER/RIGHT CHANNEL GRAPHIC EQUALIZER)

By means of three independent frequency (100Hz/1kHz/12kHz) controls, you can get your favourite sound shape flexibly. Flat response is obtained by setting the controls to the centre positions.

Volume level meter (VOL. LEVEL)

This level meter shows the amplifier output levels.

BEFORE CD PLAY

Both 12-cm and 8-cm compact discs can be played on this player.

1. Press the CD FUNCTION switch. The CD display indicates "Cd".

Note:

If any other FUNCTION switch is depressed, the CD player will not operate.

Do not press any other FUNCTION switch during CD operation, or the CD player is turned off.

2. Press the OPEN/CLOSE switch. The disc tray will come out and the display indicates "- -".
3. Without touching the disc surface, place the disc in the tray with the label facing upward (Fig. 8).

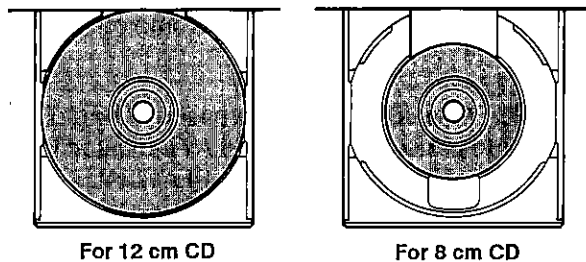


Fig. 8

4. Press the OPEN/CLOSE switch once again. The disc tray will close. The display indicates the total number of tracks.

Note:

- When the disc is inserted upside down (label downwards) or no disc is inserted, the player will not operate.
- Only discs with the symbol shown below can be played on this unit.



When handling compact discs

In order to enjoy your music under the best conditions, always keep your discs clean and note the following.

- Do not touch the playing surface (shiny, rainbow-coloured surface).
- Do not leave the discs in places of high temperatures or high humidity where they may become warped.
- When you will not be playing a disc for long periods, remove it from the player and return it to its case.
- Do not put tape, etc., on the label surface.
- Before playing a disc, wipe any dust or fingerprints from the playing surface with a soft cloth.
- Do not use cleaners or antistatic sprays used on conventional analogue phonograph records.

CD PLAY

NORMAL PLAY

1. Press the PLAY/PAUSE switch. The PLAY indicator illuminates and the first selection (TRACK no.1) will begin playing.
The CD display indicates the track no. which is playing.
2. Adjust the VOLUME, BALANCE and GRAPHIC EQUALIZER controls to the desired sound level and sound equalization.
3. Press the STOP switch to stop play at any time.
4. When the last track has played, the player will go to stop mode. The display indicates "0".
5. When play is finished, open the disc tray, remove the disc, close the disc tray.
 - When the OPEN/CLOSE switch is pressed during play, play will stop and the disc tray will come out.

Pause

When the PLAY/PAUSE switch is pressed during play, the player will go to pause mode. (The PLAY indicator flashes.) In order to cancel pause, press the PLAY/PAUSE switch once again, and play will begin from where it had stopped.

Track search

When the ►► / ►► or ◀◀ / ◀◀ skip/search switch is pressed during play, the player will quickly advance or reverse while the switch is being pressed. When the switch is released, play will begin again at that point.

- If track search is performed during pause, the player will return to pause when that switch is released.
- During track search operation, the display indicates the elapsed playing time of the track which is searching. The left-hand digit indicates the last place of minutes and the right-hand digit indicates ten's place of seconds.
eg. 15:30 = 5.3, 1:32 = 1.3

Track skip

By using the skip mode during play, the beginning of desired tracks can easily be found. The number of the track to be searched is displayed on the display.

Press the ►► / ►► or ◀◀ / ◀◀ skip/search switch with one touch (or if required, repeatedly) until the desired track no. is displayed. The player will start playing from the desired track.

- The track no. will change every time by pressing the skip/search switch.
- If in pause before pressing the skip/search switch, the player will go to pause (standby) after beginning of the track is located.

Direct track selection play

Using the track number (0 - 9 and +10) buttons on the remote controller, play can be started immediately from the desired track.

While a disc is being played, it is possible to switch immediately to a particular track.

Examples:

- To play from the track 3 on the disc, press button 3.
- To play from the track 10, press +10 and then 0.
- To play from the track 25, press +10 twice and then 5.
- Play can also be started by selecting the track number using one of the skip/search buttons (◀◀ / ◀◀ or ►► / ►►) and pressing the play/pause (► / ||) button. When

using the controls on the main unit, select the track number using the skip/search switch and then press the PLAY/PAUSE switch.

- A track number greater than the number of tracks on the disc is not selected.
- This operation is not possible during programmed play.

Random play (automatic programmed play by microcomputer)

When the RANDOM button on the remote controller is pressed, the PLAY and RANDOM indicators illuminate and the tracks on the disc will be played automatically at random by the microcomputer.

- Random play results when the RANDOM button is pressed during normal play.
- When the RANDOM button is pressed during random play, operation moves to the next random programmed track.
- This operation is not possible during programmed play.

Repeated play

When the REPEAT switch is pressed during play, the REPEAT indicator illuminates. The player will play all the tracks, all the programmed tracks or all the random play tracks repeatedly.

To cancel repeated play, press the REPEAT switch once again. (The REPEAT indicator goes out.) When the STOP or OPEN/CLOSE switch is pressed, the repeated play will be cancelled.

PROGRAMMED PLAY

The tracks (up to 16) on a disc can be played in any desired sequence whatsoever.

- The same tracks can be programmed over and over again.
- Make sure that the CD player is in the initial stop mode. If not, press the STOP switch of the CD player.

Programming procedure (using the remote controller)

Example:

Programming play in the sequence of tracks 5, 2, 6 and 10

1. Press the MEMO button. The PROG. indicator illuminates and track number "1" flashes on the CD display.
2. Set track 5 which is to be played first by pressing the track number button 5. "5" flashes.
3. Press the MEMO button. "5" illuminates.
4. Set track 2 which is to be played second by pressing the button 2. "2" flashes.
5. Press the MEMO button. "2" illuminates. The PROG. indicator remains illuminated.

The remaining tracks are programmed in the same way.

- The tracks can also be selected using the skip/search button.
- When programming using the controls on the main unit, use the skip/search and MEMORY/CHECK switches.
- Any attempt to programme more than 16 tracks will result in discontinuation of the programming.

Programmed checking and play

1. Press the MEMORY/CHECK switch to confirm programming during stop mode.
When the MEMORY/CHECK switch is pressed once, the programmed track numbers appear sequentially on the CD display.

2. Press the PLAY/PAUSE switch. Play will begin from the first programmed track.
3. When the last programmed track has played, the player will go to stop mode.

The programmed memories will remain.

Note:

The programme is cleared in the following cases:

- When the STOP switch is pressed in the stop mode
- When the EDIT switch is pressed in the stop mode
- When the OPEN/CLOSE switch is pressed
- When other source is selected
- When the power is switched off

Adding onto a programme

If you want to add more programme numbers to the next free memory position during stop mode, select the track number then press the MEMORY/CHECK switch.

It is impossible to change the programmed entry or to add a programme between the previous programmes.

Note:

You may find that the unit accidentally functions incorrectly, even if you press the appropriate switch(es). When this occurs, turn the player off. After a few seconds, turn the player on and resume operation.

RECORD OR VIDEO EQUIPMENT PLAY

1. Press the PHONO or VIDEO FUNCTION switch.
2. Adjust the VOLUME, BALANCE and GRAPHIC EQUALIZER controls to the desired sound level and sound equalization.

COMPACT CASSETTE

Inserting and removing the cassette

Open the cassette compartment lid by pressing the STOP/EJECT button. Insert the cassette placing the full reel on the left (visible through the window) and the exposed section of tape at the bottom. 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. 9) (FOR TAPE B)

To protect valuable recordings from accidental erasing, the cassette deck 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 cas-

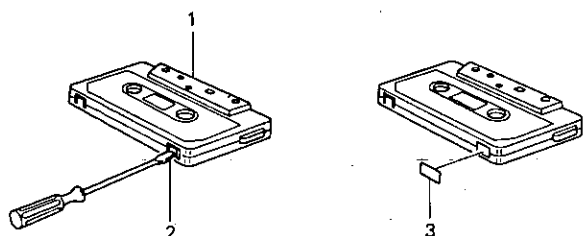


Fig. 9

sette whose tabs have been broken, simply attach adhesive tape (3) over the tab opening. The unit will not operate in recording mode when a cassette tab has been removed.

Note:

Fig. 10 shows CrO₂ tape. For normal tape, the principle is the same: cover only the sections where the tabs were broken off.

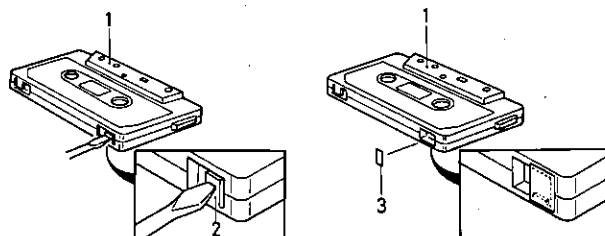



Fig. 10

Dolby NR system

Dolby Noise Reduction circuitry provides superior recording and playback results by suppressing tape hiss by up to 10 dB for virtually noise free recordings.

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.

"DOLBY" and the double-D symbol  are trademarks of Dolby Laboratories Licensing Corporation.

Automatic tape selector

This system automatically selects the bias and equalizer settings corresponding to the type of tape used (Normal or CrO₂). The unit chooses the tape setting according to the shape of the holes on the back face of the cassette inserted. See Fig. 11 for the type tabs and holes in normal and CrO₂ tape.

Note:

Some CrO₂ tape cassettes sold do not have CrO₂-type holes. If there are no CrO₂-type holes on the cassette you wish to use, do not use the cassette for recording, or distortion will result.

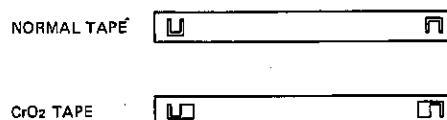


Fig. 11

CASSETTE PLAYBACK

The TAPE A is used for playback only. TAPE B is used both for recording and playback.

Do not turn the unit off while the tape is running. Otherwise, the pinch roller may be damaged.

1. Press the appropriate STOP/EJECT button and insert a recorded cassette.
2. Press the TAPE FUNCTION switch.
3. Set the DOLBY NR switch to ON or OFF, according to whether the tape has been recorded with the Dolby NR system or not.
4. Press the PLAY button.
5. Adjust the VOLUME, BALANCE and GRAPHIC EQUALIZER controls to the desired sound level and sound equalization.

6. 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.

Continuous playback (From TAPE A to TAPE B)

1. Press the PLAY button (TAPE A side). TAPE A will begin to play back.
2. Press the PAUSE button (TAPE B side).
3. Press the PLAY button (TAPE B side) (TAPE B will not move).
4. When the end of the tape is reached on TAPE A, the automatic stop will be activated. The PAUSE button will be released and TAPE B will automatically begin to play back.
5. 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

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

Fast forward and rewind

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.

RECORDING (FOR TAPE B)

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

1. Press the desired FUNCTION switch (TUNER, PHONO or VIDEO) according to the source to be recorded.
 - For recording compact discs, refer to "RECORDING COMPACT DISCS" section.
2. Press the STOP/EJECT button and insert a cassette.
3. Set the DOLBY NR switch to ON or OFF as desired.
4. Press the REC button to start recording.
5. Since you can monitor through the speakers regardless of recording level, adjust the VOLUME, BALANCE and GRAPHIC EQUALIZER controls to your desired sound level and sound equalization.
6. 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 on the tape, an irritating beat sound (high pitched tone) may sometimes be heard. In such cases, simply set this switch to the other position.

Erasing

To erase the recorded tape without making a new recording, press the TAPE FUNCTION switch and let the unit operate in the recording mode.

Note:

Do not operate TAPE A mechanism while erasing.

RECORDING COMPACT DISCS

EDIT RECORDING

Preparations

1. Place the cassette upon which the recording is to be made in the cassette deck (TAPE B side) then rewind the tape to the beginning.
2. Press the CD FUNCTION switch and place the compact disc in the CD player.
3. Make sure that the CD player is in the initial stop mode. If not, press the STOP switch of the CD player.
4. Press the REC button of the cassette deck **completely to the locked-in position**. The deck is ready for recording.

Types of edit recording

The following edit recording operations can be performed.

Backward skip edit recording

This type of recording is the easiest to perform and it does not involve the tape length setting.

Press the EDIT switch of the CD player once.

Time edit recording

Tracks are automatically programmed by separating them for the sides A and B of a tape so that they can be recorded within the specified time. (Tracks are edited so that the remaining tape time becomes to be minimum.)

Press the EDIT switch then select the tape length by pressing the EDIT switch (within 3 seconds).

Programme edit recording

Tracks are recorded in desired order within the specified tape length.

Press the EDIT switch, select the tape length by pressing the EDIT switch (within 3 seconds) then press the MEMORY/CHECK switch (within 3 seconds).

Make a programme.

Press the PLAY/PAUSE switch.

Note:

- To prevent cut-off of recording in the leader tapes on tape sides A and B, the recording is automatically started after about 8 seconds.
- Material can be recorded with unrecorded blanks lasting about 5 seconds created automatically.
- For time edit recording or programme edit recording, editing can be done for up to track 15. It cannot be done for track 16 or more.

- To stop edit recording at any time, press the STOP switch of the CD player. The CD player set to the stop mode. The editing mode is still operational. To release this mode, press the STOP switch once again. Then press the STOP/EJECT button of the cassette deck.
- After the edit recording has been started, the unit will not accept the CD function switches except STOP and OPEN/CLOSE switches.
- To record material from an interim position on the tape, proceed with manual recording.

Example:	
A disc with 8 tracks is prepared and playing times of each track are as follows:	
Track no. 1	11 min. 9 sec.
Track no. 2	7 min. 26 sec.
Track no. 3	4 min. 37 sec.
Track no. 4	9 min. 21 sec.
Track no. 5	10 min. 0 sec.
Track no. 6	3 min. 48 sec.
Track no. 7	2 min. 59 sec.
Track no. 8	1 min. 10 sec.

Backward skip edit recording (Fig. 12)

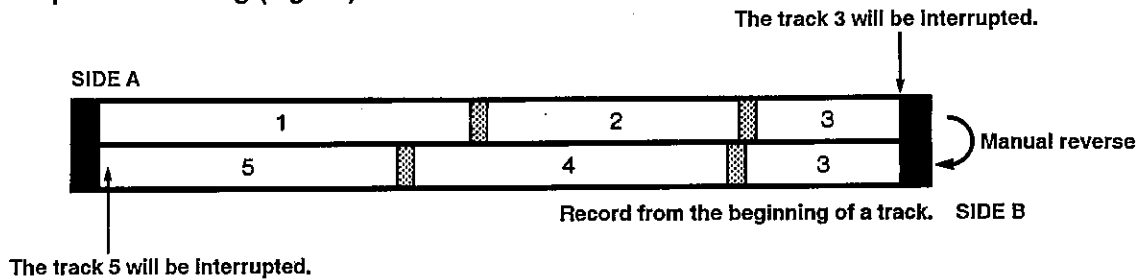


Fig. 12

Example:

The tape to be used is 46 min (23 min./one side)

1. Press the EDIT switch once.
 - The CD display and CD operation indicator(s) show as: "- ." EDIT
 - After about 3 seconds, recording of side A is started automatically. The CD player will start play in sequence from track 1 after 8 seconds waiting.
 - "1" PLAY, EDIT, SIDE A
 - If the REC button of the cassette deck has not depressed, the player will go to pause mode. In this case, press the REC button **completely to the locked-in position by one time**. The edit recording will start. If the REC button is not pressed completely, proper edit recording cannot be done.
- When the automatic stop has activated on the cassette deck, a return is made to the start of the track being played and the CD player goes to pause mode.
- "3" PLAY (flashes), EDIT, SIDE B
 - When the disc playing time is shorter than the speci-

- fied time on the side A, the CD player will be set to the stop mode after the end of playing.
2. Turn the cassette around and reinsert it.
 3. Press the REC button of the cassette deck completely to start recording of side B. The player will play the tracks to be recorded onto side B after 8 seconds waiting.
 - "3" PLAY, EDIT, SIDE B
 4. When the last track has played, the player will go to stop mode.
 - "- ." EDIT, SIDE A, SIDE B
- The cassette deck will continue recording mode to the end of tape (side B).
- If the disc playing time is longer than the specified time on the side B, the player will be set to the stop mode after the automatic stop has activated on the cassette deck.

The editing mode remains operational even upon completion of play. To release the edit mode, press the STOP switch of the CD player.

Time edit recording (Fig. 13)

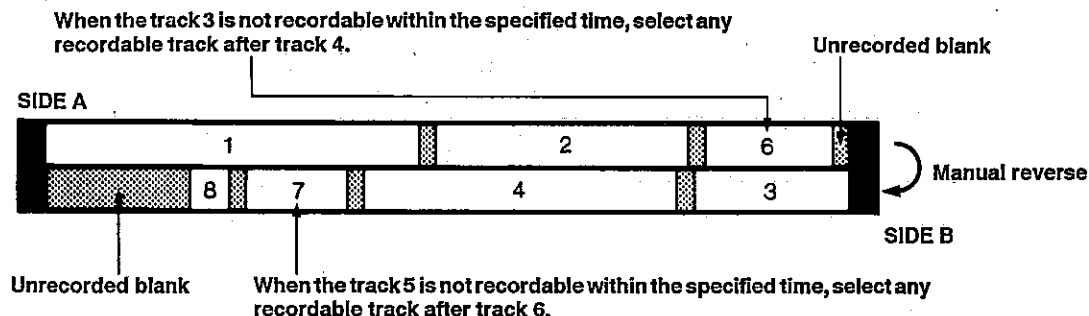


Fig. 13

Example:

The tape to be used is 46 min (23 min./one side)

1. Press the EDIT switch.

The CD display and CD operation indicator(s) show as:
 "- ." EDIT

2. To select the tape length to meet the recording tape, press the EDIT switch within 3 seconds until "46" is illuminated.

"46" EDIT

- Every time the switch is pressed, the tape length display changes in the following sequence:

46 60 90 0 - - 46...

After this, the CD display and CD operation indicator(s) show as:

"1" EDIT, PROG., SIDE A

"2" EDIT, PROG., SIDE A

"6" EDIT, PROG., SIDE A

- Side A: Tracks 1, 2, and 6 are recorded, making a total play time of 22 min 33 sec (including the 5-second unrecorded blanks between each recorded track.)

"3" EDIT, PROG., SIDE B

"4" EDIT, PROG., SIDE B

"7" EDIT, PROG., SIDE B

"8" EDIT, PROG., SIDE B

- Side B: Tracks 3, 4, 7 and 8 are recorded, making a total play time of 18 min 22 sec.

"1" PLAY, EDIT, PROG., SIDE A

Recording of side A is started automatically. The CD player will start play after 8 seconds waiting.

3. After the tracks to be recorded onto side A have played, the player will go to pause mode at the beginning of the first track to be recorded onto side B.

"3" PLAY (flashes), EDIT, PROG., SIDE B

The cassette deck will continue recording mode to the end of tape (side A).

4. After the automatic stop has activated on the cassette deck, turn the cassette around and reinsert it.

5. Press the REC button of the cassette deck completely to start recording of side B. The player will play the tracks to be recorded onto side B after 8 seconds waiting.

"3" PLAY, EDIT, PROG., SIDE B

6. When the last track has played the player will go to stop mode.

The cassette deck will continue recording mode to the end of tape (side B).

"46" EDIT, PROG., SIDE A, SIDE B

Programme edit recording (Fig. 14)

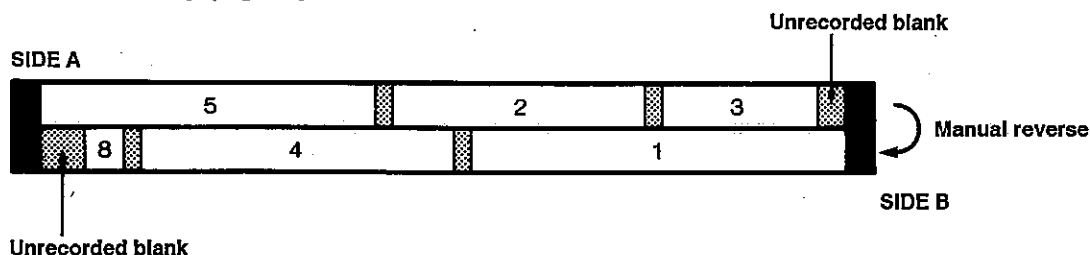


Fig. 14

Example:

The tape to be used is 46 min (23 min./one side) and the order for recording is as follows:

Track 5 - 2 - 3 - 1 - 4 - 8

1. Press the EDIT switch.

The CD display and CD operation indicator(s) show as:
 "- ." EDIT

2. To select the tape length to meet the recording tape, press the EDIT switch within 3 seconds until "46" is illuminated.

"46" EDIT

3. Press the MEMO button on the remote controller within 3 seconds.

"1 (flashes)" EDIT, PROG., SIDE A

4. Press the track number button 5 on the remote controller.

"5 (flashes)" EDIT, PROG., SIDE A

5. Press the MEMO button.

"5" EDIT, PROG., SIDE A

6. Press the button 2.

"2 (flashes)" EDIT, PROG., SIDE A

7. Press the MEMO button.

"2" EDIT, PROG., SIDE A

8. Press the button 3.
"3 (flashes)" EDIT, PROG., SIDE A
9. Press the MEMO button.
"3" EDIT, PROG., SIDE A
10. Press the button 1.
"1 (flashes)" EDIT, PROG., SIDE A (flashes)
 - This exceeds the remaining time on side A and so the SIDE A indicator flashes.
11. Press the MEMO button.
"1" EDIT, PROG., SIDE B
 - This and subsequent tracks are recorded on side B.
12. Press the button 4.
13. Press the MEMO button.
14. Press the button 8.
15. Press the MEMO button.
"8" EDIT, PROG., SIDE B
This completes the programming.
 - If a track no. that is over the remaining time is selected, the SIDE A or SIDE B indicator will flash.
16. Press the PLAY/PAUSE switch. Recording of side A is started automatically. The CD player will start play after 8 seconds waiting.
17. Follow steps "3" to "6" of "Time edit recording" section.
 - The tracks can also be selected using the skip/search button on the remote controller or skip/search switch on the main unit.
 - It is impossible to check, to change and to add programmes.

MANUAL RECORDING

1. Press the CD FUNCTION switch.
2. Press the REC button of the cassette deck. The deck is ready for recording.
3. Press the PLAY/PAUSE switch of the CD player.
With normal play, play will start from track 1; with programmed play, it will start from the first programmed track.

Note:

In this method recording will be interrupted at the end of tape.

DUBBING OPERATION

The recording of radio programmes and gramophone records or dubbing of music tapes is permissible only insofar as copyright or other rights of third parties are not thereby infringed.

- This unit enables you to dub a recorded tape onto another tape by using the built-in double deck mechanisms. It is performed only one way from TAPE A (playback) to TAPE B (recording).
- During dubbing operation, the DOLBY NR switch has no effect to the copied tape.

Dubbing

1. Insert a recorded cassette into TAPE A and a blank cassette into TAPE B.
2. Press the TAPE FUNCTION switch.
3. Wind the tape on TAPE A to the beginning of the tape or a particular selection.
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.
5. Press TAPE B PAUSE button and then press TAPE B REC button.
6. Press TAPE A PLAY button. TAPE B PAUSE button will be released and dubbing will start automatically.
7. To stop the dubbing operation, press both STOP/EJECT buttons simultaneously.

To dub other selections repeat steps 3 to 7 as described above.

Automatic stop in dubbing operation

- a) When 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) When TAPE B tape is longer than TAPE A:
After the automatic stop has been activated on TAPE A, TAPE B will not stop. The STOP/EJECT button should then be pressed.

Note:

Do not change the dubbing speed during the dubbing operation.

MAINTENANCE

Cleaning the heads (Fig. 15)

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. Moisten a cotton bud (1) with head cleaner or methylated spirit and apply to the faces of heads (4, 5 and 8), rub gently until all traces of dirt or oxide are removed. Also clean the surfaces of the pinch rollers (3 and 7) and the capstans (2 and 6).

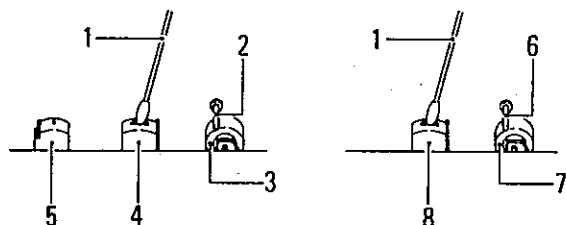


Fig. 15

Installing the unit

Never place the unit near a source of extreme heat such as a radiator or direct sunlight or in a moist environment. Following this advice will safeguard the unit from damage. Placing the unit in a well ventilated area is strongly recommended.

Cleaning the unit

To retain the beauty of the control panel and cabinet, simply wipe with a soft, freshly laundered cloth moistened with plain lukewarm water.

PREPARATION

THIS TURNTABLE IS DESIGNED FOR USE ONLY WITH SANYO MODEL NO. DC-X601 OR DC-X801. Do not plug-in the mains lead of the DC-X601 or DC-X801 stereo system until fully assembled.

1. Carefully unpack the unit and other parts. Remove all packing material from around the turntable.
2. Locate the unit horizontally on a heavy duty stand or firm level surface, and away from the speaker system to avoid sound feedback.
3. Make sure that the drive belt of the turntable platter is not twisted, then slip the turntable platter over the turntable spindle (Fig. 16).

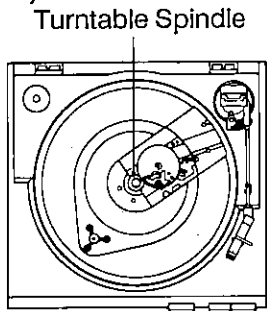


Fig. 16

4. Turn the turntable platter to the right until one of the openings of the turntable platter comes over the motor pulley.
5. Place the drive belt onto the motor pulley. Be sure not to twist the belt (Fig. 17).

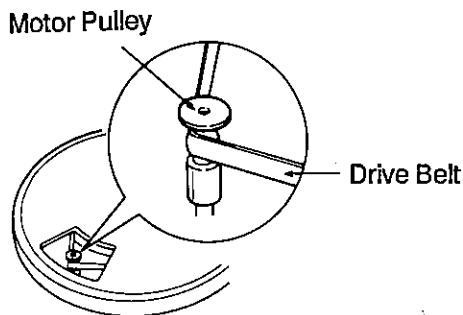


Fig. 17

Note:

6. Place the turntable mat on the turntable platter.
7. Attach the hinges into the notches of the dust cover (Fig. 18).

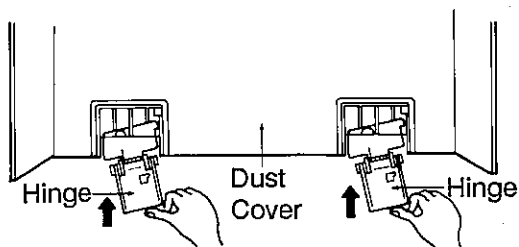


Fig. 18

8. Insert the hinges of the dust cover into the notches on the turntable base (Fig. 19).

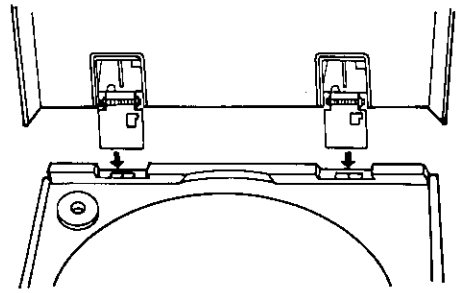


Fig. 19

9. Connect the output lead to the PHONO input socket and connect the power supply lead to the DC 12 V socket on the stereo system.

CONTROLS (Fig. 20)

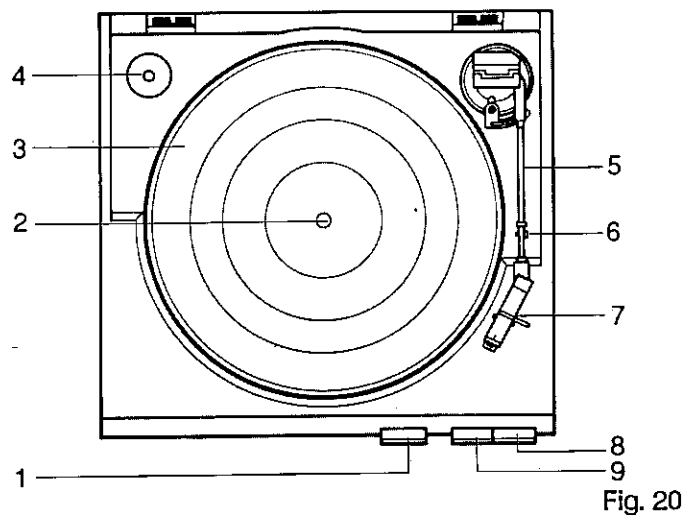


Fig. 20

1. Speed select switch (SPEED)
2. Turntable spindle
3. Turntable platter and rubber mat
4. 45 rpm adapter
5. Tonearm
6. Tonearm rest and lock
7. Headshell with cartridge
8. Cueing switch (CUE)
9. Reject switch (REJECT)

OPERATION

Before you use the turntable, disengage the tonearm lock and carefully remove the stylus cover.

1. Make sure that the output lead and power supply lead from the turntable are properly connected to the sockets on the rear of the stereo system.
2. Depress the POWER switch on the stereo system to switch on the system.
3. Press the PHONO function switch on the stereo system.
4. Place a record disc on the turntable platter. If necessary, use the supplied 45 rpm adapter.
5. Set the SPEED select switch for the applicable record speed.

Depress the switch for 45 rpm records.

Release it for 33-1/3 rpm LP records.

6. Depress the CUE switch to lift the tonearm from its rest. Gently place the stylus over the required position on the record. The turntable platter will begin revolving.
7. Press the CUE switch again to release. The tonearm will gently go down onto the record.
8. Adjust the controls on the stereo system for the most pleasant listening level and tonal balance.
9. At the end of the record, the tonearm will return to its rest and the turntable platter will stop revolving.
You may stop the turntable at any time by pressing the REJECT switch which will return the tonearm to its rest. Do not touch the tonearm or headshell while it is returning to its rest.

Note:

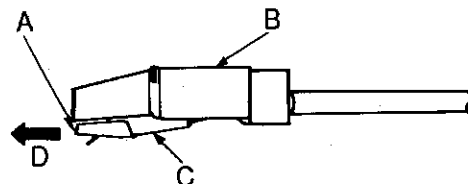
- The first time you use the turntable, the tonearm may not return to its rest. If this happens, press the REJECT switch.
- After use, engage the tonearm lock to avoid accidental stylus damage.

REPLACING THE STYLUS (Fig. 21)

The stylus should have a long life if treated carefully. Always clean records before use and remove any dust or fluff from the stylus tip with a small brush. Never allow the cartridge stylus to crash down on the record or on the turntable platter.

Reduced sound quality from a good record means that the stylus may need replacing. A replacement stylus assembly can be bought at your Sanyo Service Centre.

To remove the old stylus, pull out the stylus assembly in the direction shown, holding the head-shell with other hand. Then install the new stylus by pushing it gently into the cartridge (hold by edge to prevent damage to stylus) until it clicks into place.



Stylus = ST-59U

- (A) Stylus Assembly (with stylus)
- (B) Headshell
- (C) Cartridge (with stylus assembly)
- (D) Pull it out in this direction

Fig. 21

SPECIFICATIONS

DC-X601

Tuner section

Frequency range:

FM: 87.5 - 108 MHz

AM: 531 - 1602 kHz

Cassette deck section

Recording system:

AC bias, 4-track stereo

Rewind and fast forward time:

Approx. 120 sec. (C-60)

CD player section

Channels

2 channels

Frequency response

20 - 20,000 Hz

S/N ratio

85 dB

Channel separation

90 dB (1 kHz)

Distortion

0.12% (1 kHz)

Wow and flutter

Undetectable

General

Output power:

25 W x 2 (10% THD)

Inputs:

VIDEO: 47k ohms (280 mV)

Outputs:

SPEAKERS: 8 ohms

HEADPHONES: 8 ohms

Power requirements:

AC: 240 V, 50 Hz

Dimensions (W x D x H)

Approx. 360 x 328 x 357 mm

RB-X801 REMOTE CONTROLLER

Power requirements:

DC: 3 V, "AA/SUM-3/R6" battery x 2

Dimensions (W x D x H)

Approx. 60 x 18 x 160 mm

TP-X801

Type:

Semi-Automatic Turntable, with cueing

Motor:

DC Servo Motor

Drive System:

Belt Drive

Cartridge:

Magnetic

Stylus:

Conical with Diamond (No. ST-59U)

Wow and Flutter:

0.15%

Power Supply:

12 V DC supplied from the DC-X601 or DC-X801

Dimensions (W x D x H):

360 x 357 x 96 mm

Specifications subject to change without notice.



SANYO Electric Co., Ltd.