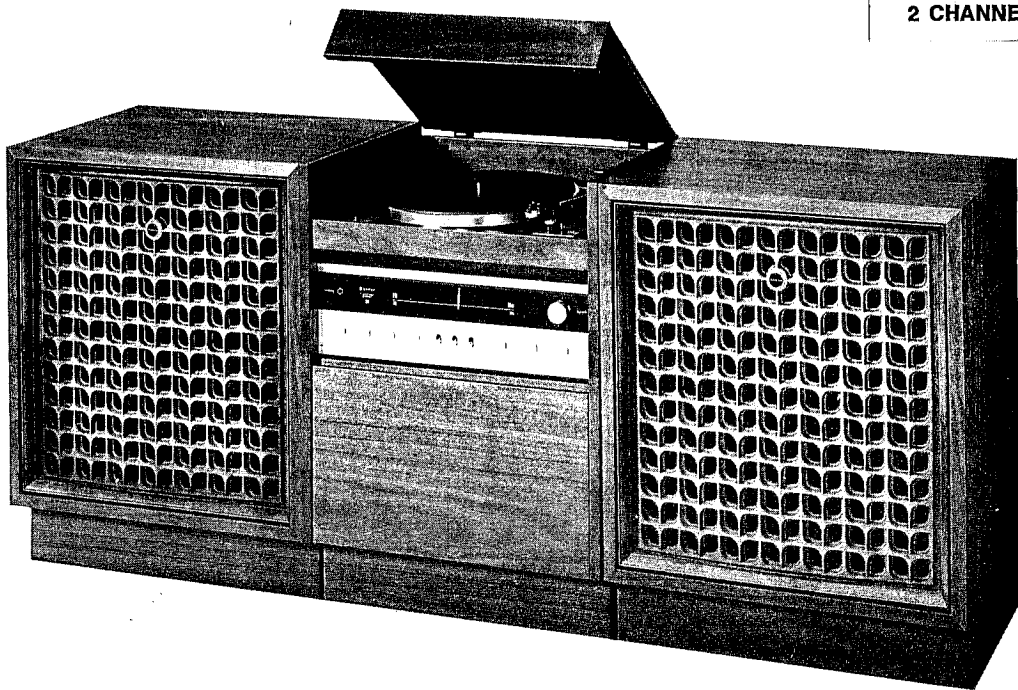




SANYO

DC570XK

PLEASE NOTE
THIS UNIT IS A
2 CHANNEL STEREO



SANYO 4 CHANNEL STEREO SYSTEM OWNER'S MANUAL

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This four channel stereo music 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 set, please read the instructions in this booklet carefully. This will prevent errors in operation and will assure faultless performance of your set with maximum listening enjoyment.

NOTE

The Sanyo four-channel DC 570XK decodes and creates four-channel sound only from stereo sound sources. Monaural sources cannot be used.

PREPARATIONS

1. Remove the protective boards of the center unit and speaker boxes on the bottom.
2. Unpack the unit, and connect the speakers before supplying the power.
3. This model is already set for a certain voltage level. If is it used in a different voltage area from that indicated on the power cord label, the setting should be changed. To alter the voltage, removing the rear plate of the unit and pull out the voltage selector plug and insert it to the socket which corresponds to your local power. Then plug the stereo's power cord into an AC outlet.

WHERE TO PLACE THE SET

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 set is placed near a window.
5. Small rooms with very short wall-to-wall distance may cause a loss in stereo effect. Choose as large a listening room as possible.

CONTROLS

1. **POWER SWITCH**
ON: power is turned on.
OFF (NIGHT): power is turned off. During record playing, however, the power will be turned off only after the record has finished. Thus, you can go to bed while listening to a record, and the set will then turn itself off automatically.
2. **FUNCTION**
TAPE PB For tape playback on a tape recorder.
AM For reception of AM broadcasts.
FM AUTO For listening to FM monaural or stereo broadcast.
PHONO For playing records on built-in auto changer.
3. **VOLUME**
Turning this knob clockwise increases the volume of four channels.
4. **BASS**
Turning this knob clockwise results in stronger reproduction of bass sounds (Low tone).
5. **TREBLE**
Turning this knob clockwise results in stronger reproduction of treble sounds (High tone).
*With both bass and treble at the center position the frequency response is flat.
6. **BALANCE**
To emphasize the RIGHT channel (right side speakers) volume, turn the knob clockwise; to emphasize LEFT channel (left side speakers), turn it counterclockwise. Adjust knob so that the sound appears to come from a point between the speakers.
7. **LOUDNESS**
Our ears have different treble and bass tone sensitivity depending upon the sound volume. If this control is set to ON, the best tone is automatically regulated according to the volume.
8. **HIGH FILTER** (For elimination of high-frequency noise)
In the "ON" position of the switch, the filter eliminates cracking noise in record playing or high frequency noise in receiving radio broadcasts.
9. **TUNING**
For selecting desired radio stations.

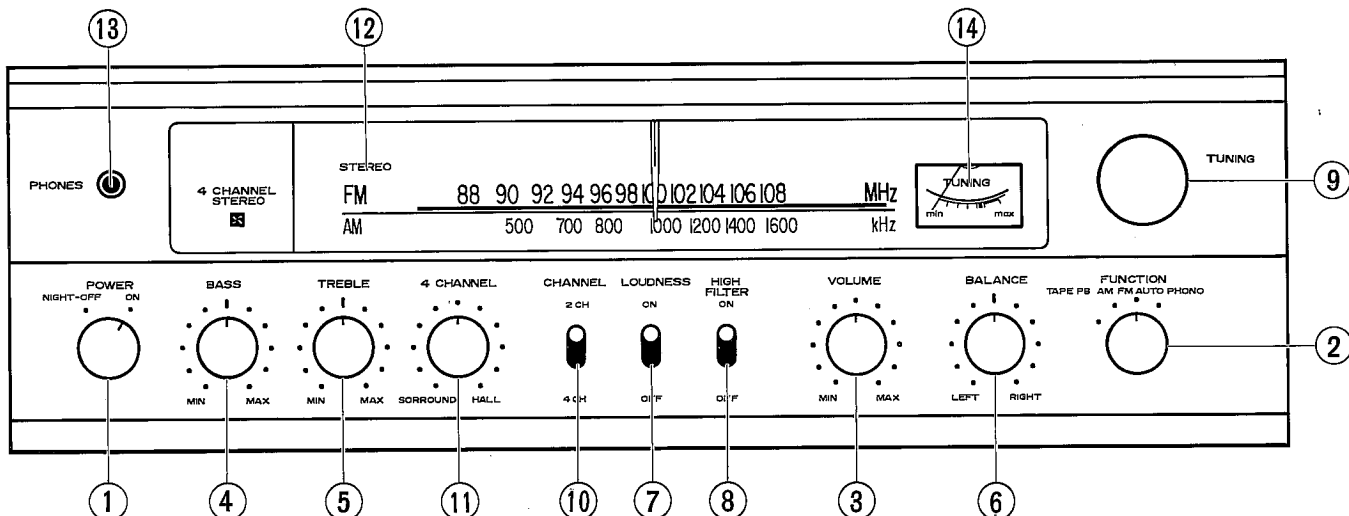


Fig. 1

10. CHANNEL SELECTOR

2 CH: Conventional 2-channel stereo mode; sound comes only from the front speakers.

4 CH: 4-channel stereo mode if another pair of rear speakers are connected.

11. QUAD EFFECT CONTROL

Controls the mode of 2-channel to 4-channel sound conversion.

SURROUND: Ideal for playing special, experimental 4-channel records with clear separation between all four channels.

HALL: Rear speakers create a reverberating effect as in a concert hall.
Ideal for classical music, etc.

This control can be set at any in-between position.

12. STEREO INDICATOR

The indicator lamp goes on when FM stereo (MPX) broadcasts are being received.

If the indicator lamp goes out during reception of an FM stereo program, this indicates insufficient signal strength.

Flashing of the indicator while tuning is due to spurious interferences.

Neither phenomenon indicates any disorder of the set.

13. HEADPHONE

Connection for stereo headphone (8 ohms).

14. TUNING METER

Maximum deflection of the pointer indicates that the station is tuned in exactly.

TERMINALS

1. AM

Connect the AM antenna lead to this terminal.

2. FM

Connect the FM antenna leads (indoor and outdoor antenna) to these terminals.

3. DIN CONNECTOR (recording and playback terminal for DIN cord)

Recording and playback can both be done connecting a tape recorder with a single DIN cord plugged into this terminal.

4. SPEAKER SOCKETS

FRONT: The leads for the front speakers must be connected to these sockets.

REAR: For 4-channel operation, the leads for the rear speaker boxes must be connected here. Remove the plugs inserted into the REAR SPEAKER socket, connect them to the lead wires, and insert them again to make the connection.

REAR SPEAKER PLACEMENT, QUADSONIC EFFECT

★PLACEMENT OF REAR SPEAKERS

The Sanyo Quadsonic System is designed for 2-2 speaker placement, i.e. two speakers in front of and two behind the listener.

1. Place the DC 570XK in front, as with a conventional stereo system.
2. Connect the rear speakers as illustrated in fig. 3.
3. Place the rear speakers along the opposite wall of the room, as shown in fig. 3. It is advisable to mount the rear speakers a little above the listener's eye level and to spread them farther apart than the front speakers.

★QUADSONIC EFFECT

The Quadsonic effect, that is the method of converting 2-channel program sources into 4-channel sound, can be regulated with the QUAD EFFECT control.

The Sanyo Quadsonic circuit permits, for example, the acoustical atmosphere of a concert hall to be recreated, it can also create an illusion of being surrounded by music, and it can, given the right program sources, provide an effect of motion from channel to channel.

These functions can be controlled with the QUAD EFFECT knob in order to match the 4-channel sound to the desired program source.

1. HALL

With the control turned towards "hall", a reverberating effect is created, just as in a concert hall, where by the rear speakers transmit the sound that corresponds to the indirect, reflected sound in a live performance.

2. SURROUND

With the control knob turned towards "surround", the "hall" effect is replaced by a feeling of being surrounded and wrapped up in the music. Also, the separation between rear and front channels becomes very clear, and any movement of the sound sources (instruments, singers, etc.) can be recreated effectively.

3. Which QUAD effect for what program sources?

HALL: Ideal for classical music, "easy listening" programs, vocal music and especially live concert recordings.

SURROUND: Recommended for Latin and jazz combos, documentary and special 4-channel sound effect recordings.

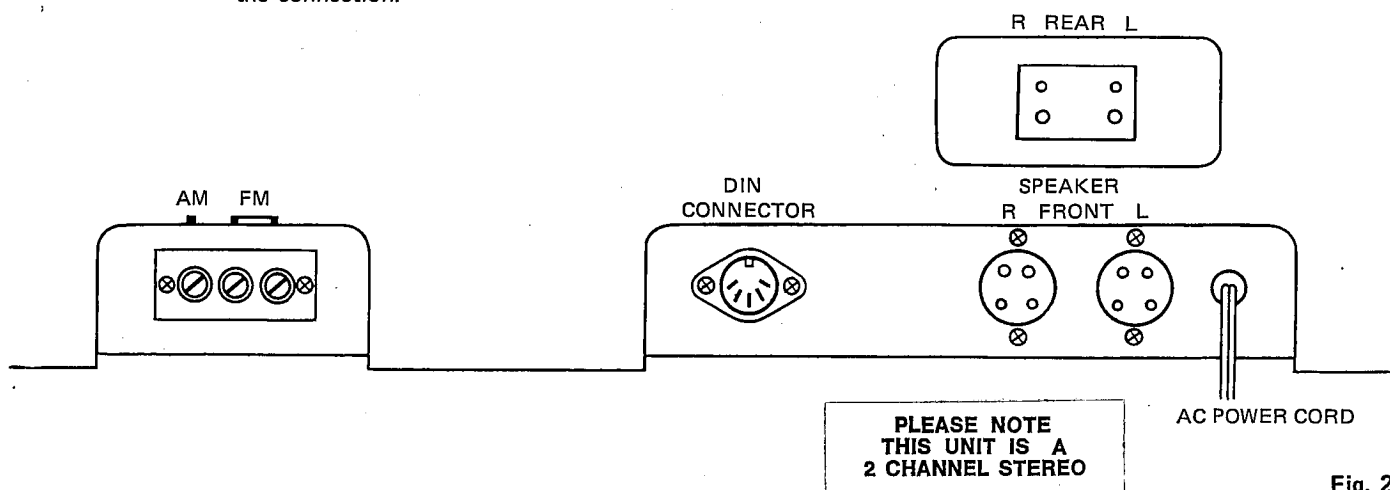


Fig. 2

A FEW USEFUL HINTS

1. The rear speakers reproduce mainly the indirect, reflected sounds. They alone do not create any stereo effect.
2. Quadsonic effect can only be obtained from stereo program sources, never from monophonic records or broadcasts. (When a monophonic program is played, the rear speakers produce no sound at all.)
3. Some program sources will produce no or only very little Quadsonic effect. This is due to the program source itself and indicates no defect in the equipment.

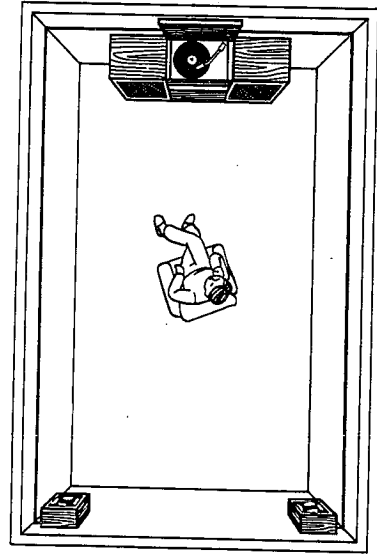


Fig. 3

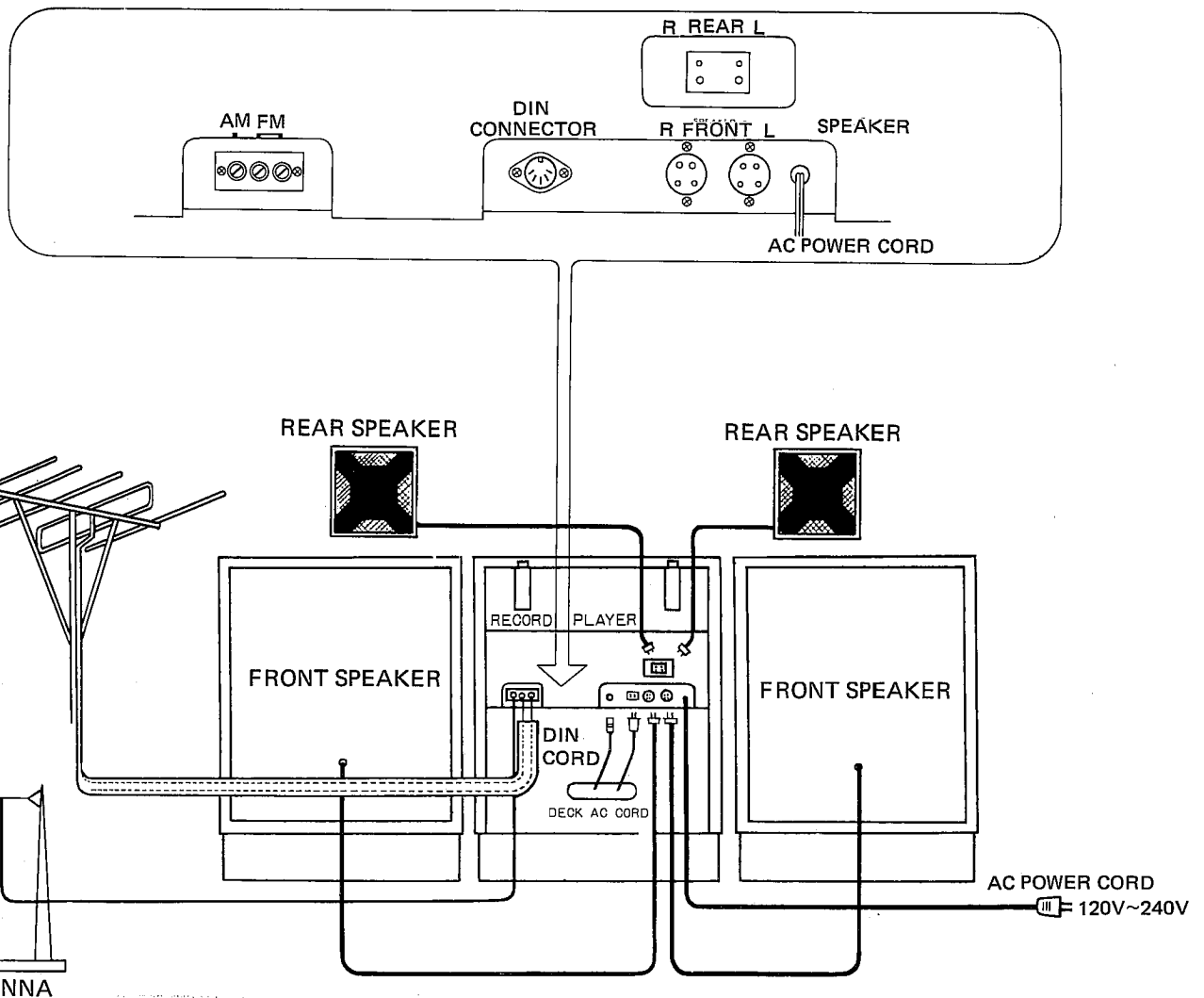


Fig. 4

INSTALLATION OF AM ANTENNA

Connect the AM antenna lead to the AM antenna terminal of your set. (Fig. 4)

INSTALLATION OF FM ANTENNA

Short distance

In an area near the transmitting station, only a simple feeder antenna is necessary.

It is best to tack the feeder antenna high on the wall, but since FM reception is affected by the direction and position of the antenna, experiment for the best location. Furthermore, although this antenna is practical in the vicinity of the broadcasting station, it may be necessary to use an external antenna, if the set is in an area with many buildings, or where there is a great deal of interference. (Fig. 5)

* Four-channel reproduction of FM stereo programs requires a good, strong antenna signal. Insufficient antenna performance can cause noise and distortions in the sound. Be sure to use a special, properly installed FM antenna.

Long distance

In a location far from the broadcasting station or when surrounded by many buildings, install an outdoor antenna. For stronger broadcast reception, increase the number of antenna elements. This antenna must be installed facing in the best direction and at optimum height. (Fig. 6)

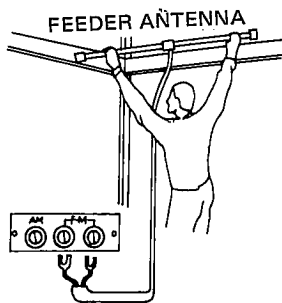


Fig. 5

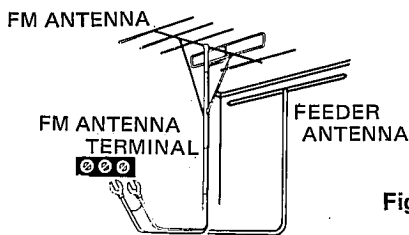


Fig. 6

LISTENING TO AM BROADCASTS

Turn the function knob to AM. Select the desired station by turning the tuning knob. Adjust volume, speaker balance and tone quality with the proper controls.

LISTENING TO FM BROADCASTS

Set the function to FM AUTO for either FM monaural or stereo broadcasts.

The FM circuitry automatically adjusts for monaural or stereo: if the broadcast is monaural, the same signal plays through both left and right speakers. If it is a stereo broadcast, the signal is automatically separated into left and right, and each is played through its respective speaker. When a stereo broadcast is being received, the FM stereo indicator light goes on. Adjust volume and tone quality with the proper controls.

STEREO HEADPHONE

A low impedance stereo headphone can be plugged into the HEADPHONE jack on the front control panel of the unit. When a headphone set is plugged in, the speakers are automatically disconnected to permit private listening without disturbing others.

TO PLAY A RECORD

Initial Preparation

1. Loosen two red clamping screws on the player unit counterclockwise with a coin or screwdriver.
2. Remove the two red-painted motor fastening screws.
3. Take the turntable out of the package and attach it to the unit (refer to the instructions for installing the turntable).
4. Unfasten the string to the tonearm, and take the cap off the tip of the tonearm.

Operation

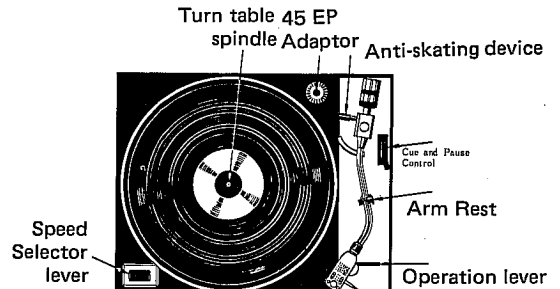


Fig. 7

1. Set the function knob to PHONO.
2. Place the record on the turntable.
3. Some 45 rpm records require the use of the special adaptor, supplied with the set.
4. Set the speed selector lever according to the record speed: 33-1/3 or 45.
5. Move the tonearm over the initial record grooves and set it down softly.
6. Adjust volume and tone quality with the proper controls.
7. After the record has finished, the tonearm automatically returns to the armrest and the turntable will stop. If you wish to interrupt play, slide the Operation lever towards you. The tonearm will return to its armrest and turntable will stop.

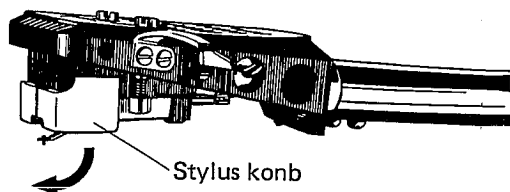
NOTE

After a record has finished and while the tonearm is automatically moving back to the armrest, do not touch the tonearm. Do not touch the Operation lever at this time.

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The Pickup System

1. The diamond stylus supplied with the set has to be replaced about 500 to 1,000 hours of operation (1,000 to 2,000 LP sides), depending on the quality of the discs.
2. Always use a ST-8D type diamond stylus for replacements.
3. To remove the old stylus, pull out the white stylus knob, holding the cartridge with the other hand. (Fig. 8)



Pull out in this direction

Fig. 8

Turntable Installation

Attaching the turntable

1. Turn the drive gear so that non-toothed section faces the turntable shaft. (fig. 9)
2. Attach the turntable to the turntable shaft. Then hold the belt guide, draw the belt, and put in on the motor pulley. Make sure not to twist the belt. (Fig. 10)
3. Attach the rubber sheet.

Removing the turntable

1. Remove the rubber sheet.
2. Take off the belt from the motor pulley.
3. Pull the turntable straight up: it lifts off very easily.

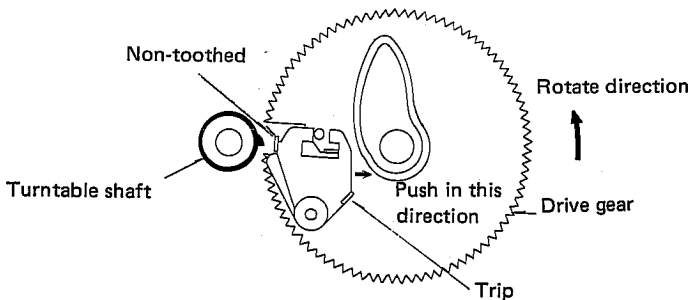


Fig. 9

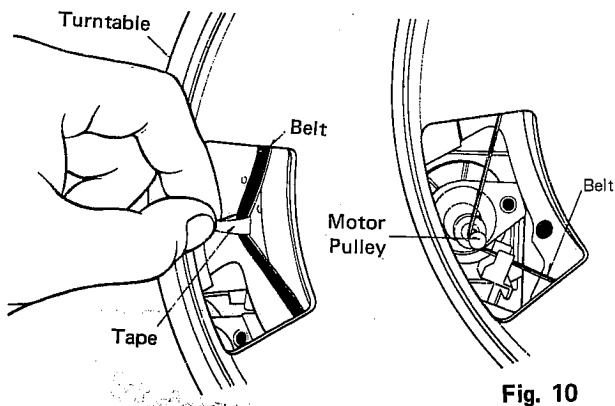


Fig. 10

The Motor

1. Revolving parts of the drive mechanism must be lubricated from time to time. Apply a little grease (supplied) to the mounting metal of the spindle, and a little low-viscosity machine oil to the turning parts.
2. Be careful not to get any grease or oil the inside of the turntable, the rubber belt, or the motor pulley. If oil or grease should ever get on any of these parts, clean it off immediately with a cloth soaked in alcohol.
3. The motor in this set is a four-pole synchronous motor, its speed varies with the frequency of the AC current (50 or 60Hz). If the set is to be used in an area with different AC frequency than the one it is adjusted for (marked on the box), the motor pulley must be changed. In this case, contact your dealer to have the set converted.

TAPE RECORDING AND PLAYBACK

Insert the connection cord from tape recorder into the DIN connector socket.

You are now ready record and playback.

Recording

1. Set the Function knob at either AM, FM AUTO or PHONO according to the use.
2. To record a sound source while listening to it through the speaker or headphone, turn the Volume control knob to clockwise. The recording level is adjusted with the tape recorder control. * VOLUME, BASS, TREBLE, etc. have no effect during recording.

Playback

1. Set the Function knob to TAPE PB.
2. Adjust volume level and tone quality with the proper controls.

ABOUT SANYO

Sanyo is one of the world's largest manufactures of quality electronic equipment. Our products include television receivers, radios, high fidelity audio equipment, stereo equipment, automobile stereo equipment, and tape recorders.

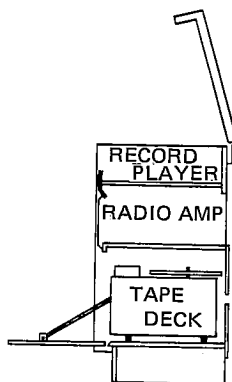


Fig. 11

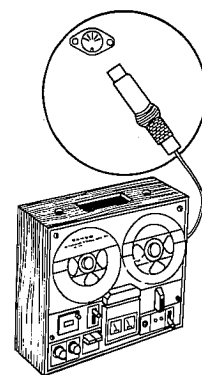
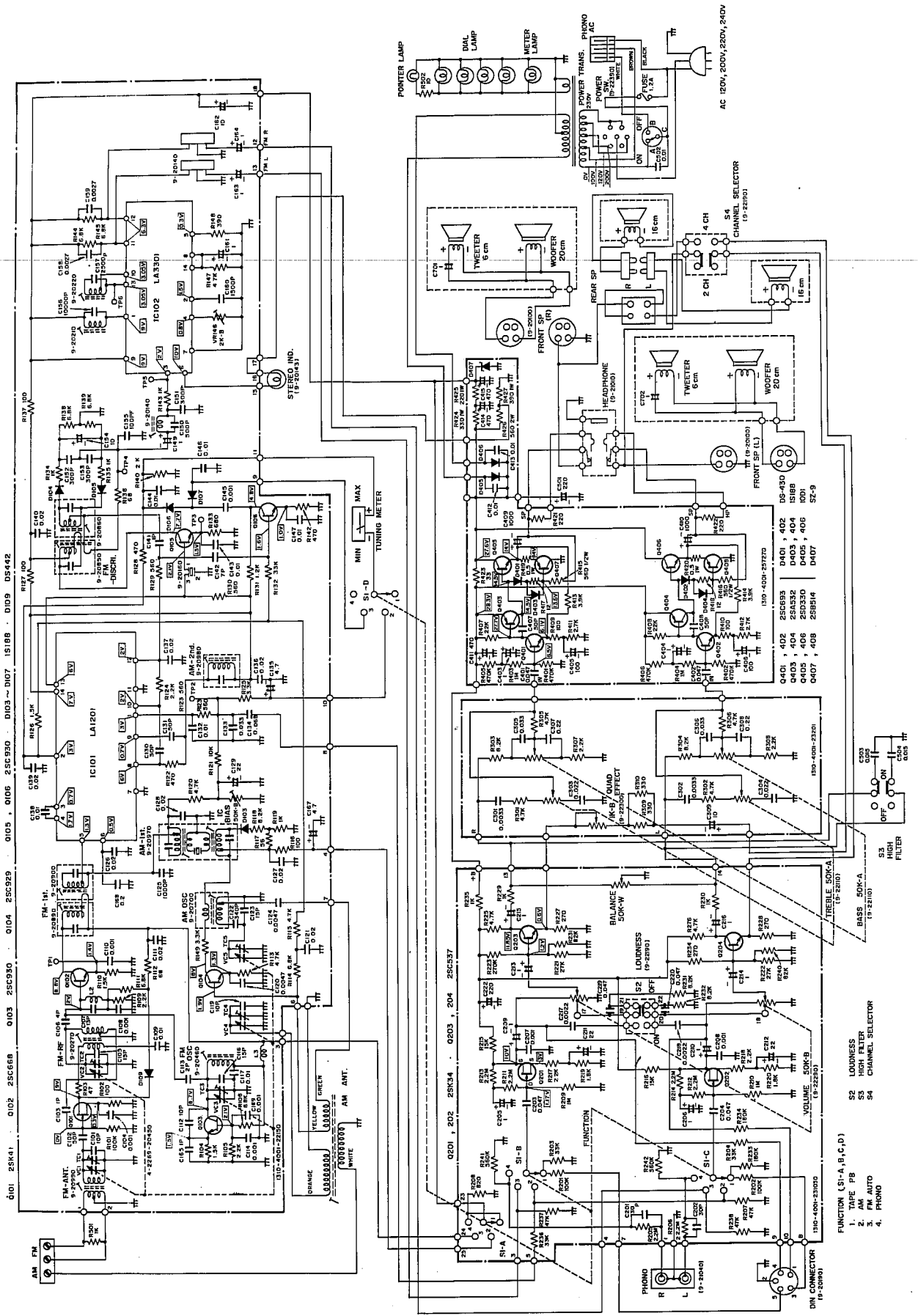


Fig. 12

SCHEMATIC DIAGRAM

DC570XK
CIRCUIT DIAGRAM



**PLEASE NOTE
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2 CHANNEL STEREO**

- FUNCTION (S1-A, B, C, D)
 1. AM
 2. FM
 3. FM AUTO
 4. PHONO
- S2 LOUDNESS
 S3 HIGH FILTER
 S4 CHANNEL SELECTOR



SANYO ELECTRIC CO., LTD.

1316-4119-21906
Printed in Japan