

TOSHIBA

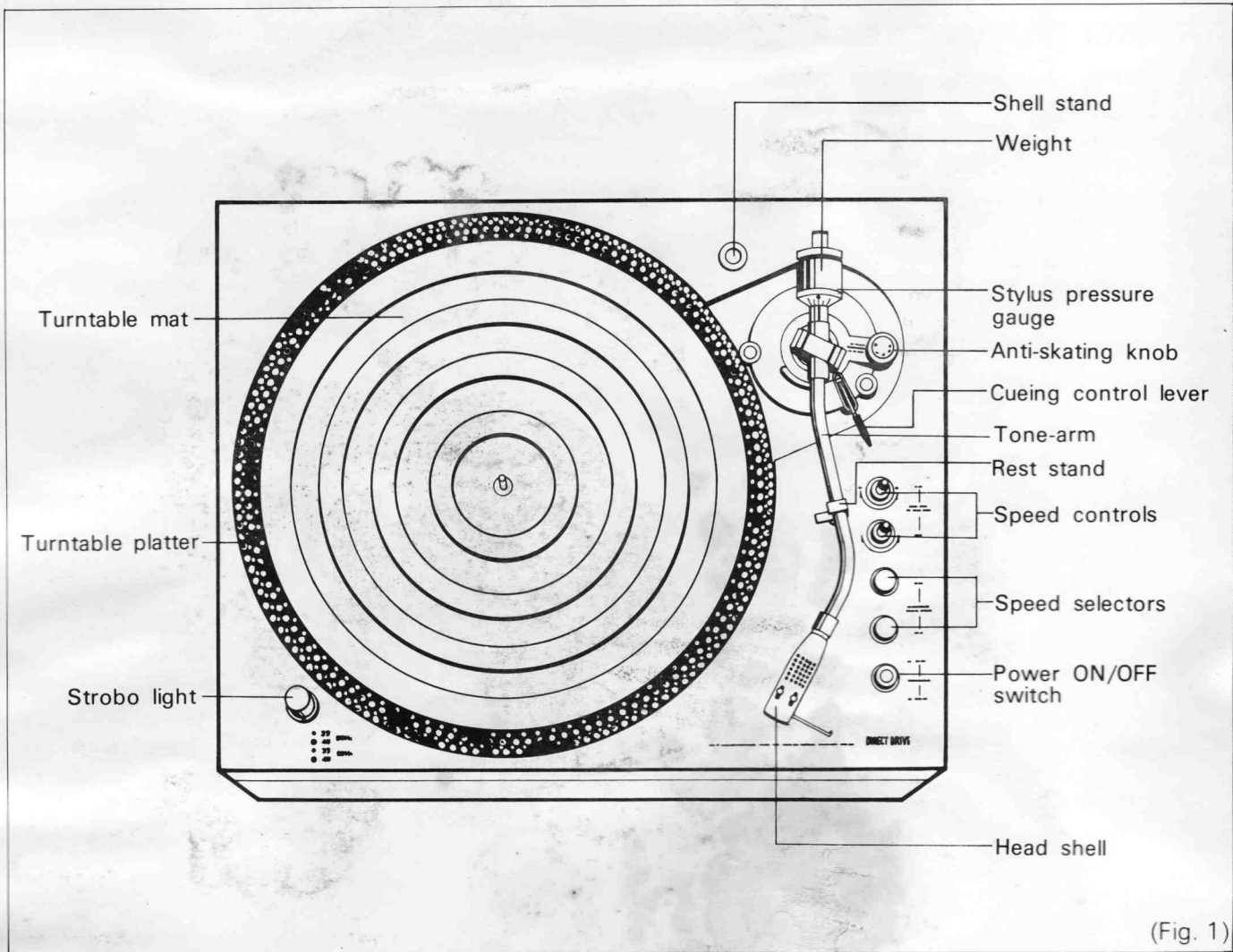
STEREO TURNTABLE

SR-255



Please read this owner's manual thoroughly to ensure correct operation of your new turntable.
Warning: To prevent fire or shock hazard, do not expose this appliance to moisture.

FUNCTIONS



(Fig. 1)

UNPACKING

■ Preliminary procedure

To prevent troubles due to vibrations or shocks during transportation, this turntable has the turntable platter and other parts of weight or requiring accuracy packed separately from the player body. After you have unpacked the SR-255, these parts must be prepared for operation according to the following procedures.

■ Unpacking

1. Take out the case of accessories located on the packing material.
2. Take out the turntable and packing material from the carton, then remove the packing material.
3. Remove the tape holding the tone-arm.
4. Take out the head shell, the weight, and the from the case of accessories.

ASSEMBLY PROCEDURE

■ Preparation

Prepare the turntable according to the following procedures.

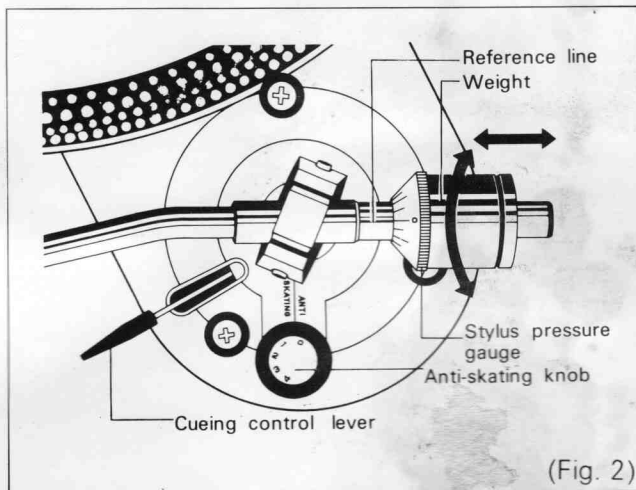
1. Take out the turntable platter from the package and install it on the turntable.
2. Place the turntable mat on the turntable platter.
3. Attach the head shell with cartridge and the weight.
4. Adjust the stylus pressure from 1.5 to 2g (See "Adjustment of stylus pressure").

■ Installation

The turntable should be installed horizontally at a place as far apart from the loudspeakers as possible in order to avoid the adverse effect of vibration of the loudspeakers. It should not be installed at a place of high moisture content, subject to direct sunlight or of high temperature.

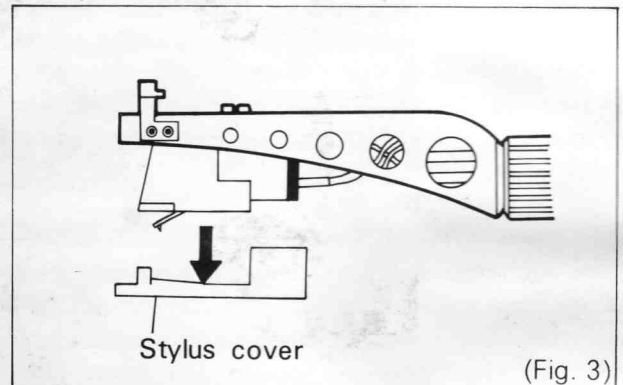
■ Adjustment of stylus pressure

(Be sure to adjust)

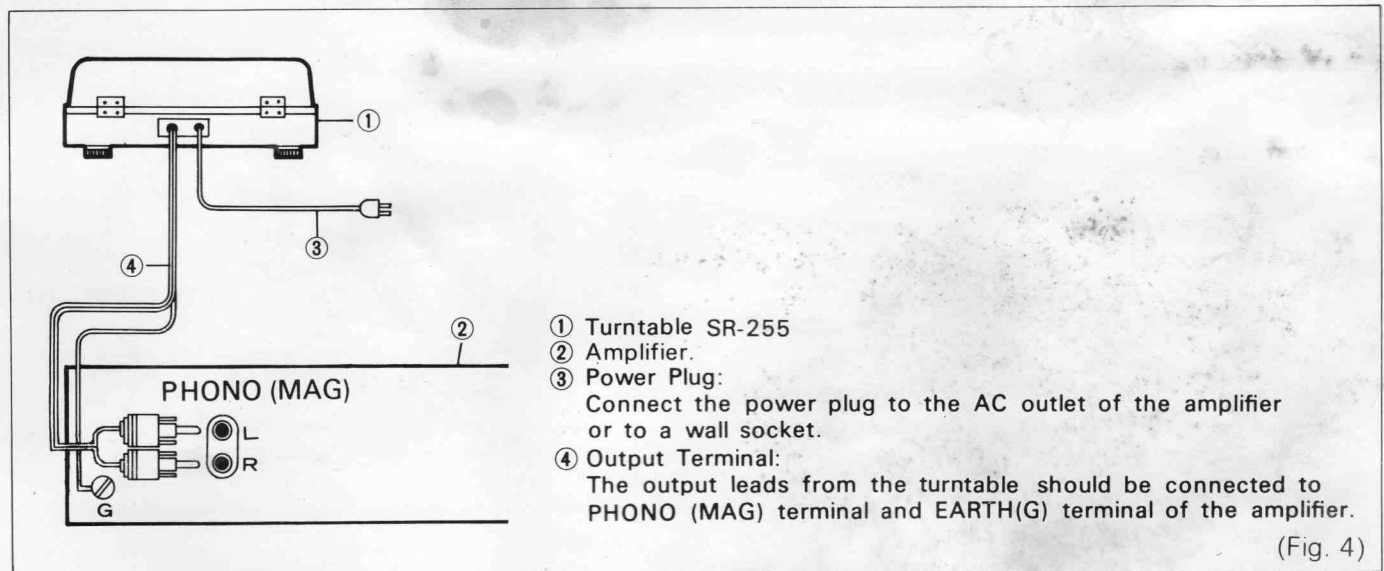


Before adjustment of the stylus pressure, ascertain that the power switch of your amplifier is OFF when connected to the turntable.

1. Take out the tape securing the stylus cover on the cartridge, and take out the stylus cover in the direction of arrow. (Fig-3).
2. Set the anti-skating adjustment to the "0" position.
3. Lower the cueing control lever, then take out the tone-arm from the rest stand by hand. At this time, take care that the stylus tip does not strike the turntable mat.
4. By turning the weight, adjust the tone-arm until it levels or becomes level. Then turn the stylus pressure gauge to set the "0" mark on it to the reference line marked on the tone-arm.
5. Turn the weight in the direction of arrow, adjust the stylus pressure to an appropriate value.
6. To get optimum performance, the anti-skating adjustment should be set to the same reading as the stylus pressure gauge.



■ Connections



NOTE:

If you wish to use TOSHIBA's electret condenser cartridge, the equalizer (available as an option) exclusively designed for the cartridge, should be connected between the output of SR-255 and the AUX terminal of your amplifier. If you are using a TOSHIBA Stereo Amplifier with built-in equalizer, connect the output of SR-255 directly to the CC terminal of the amplifier.

■ Listening to CD-4 (discrete 4 channel) Records

CD-4 records can be played by replacing the cartridge designed for 4-channel reproduction. In this case, a CD-4 demodulator should be connected to the record player output.

* For connection of a CD-4 demodulator, follow the instructions in the owner's manual supplied with the demodulator.

OPERATION

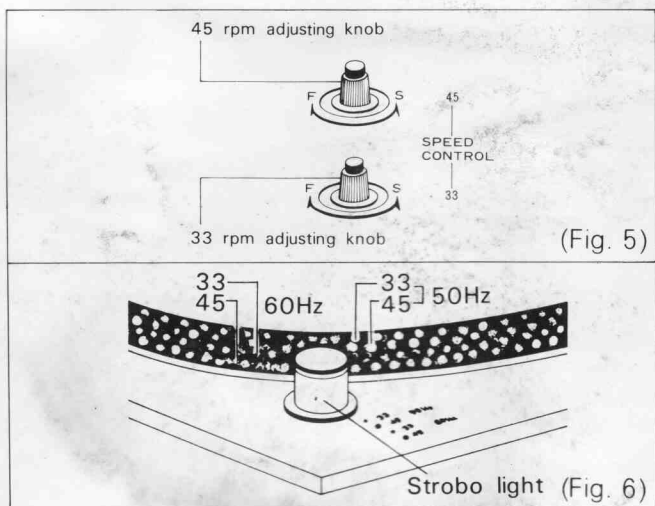
■ Operation procedure

In operating the turntable set the volume control of the amplifier to the minimum position.

1. Place the record you are going to listen to on the turntable platter.
2. Set the speed to get the required record.
3. Depress the power switch to ON. The turntable platter will begin to rotate.
4. Lift the cueing control lever, move the tone-arm toward the record, then move the cueing control lever downward. The stylus will be lowered quietly onto the surface of the record to start playing.
5. When the record is finished or you wish to stop the playing before it is finished, move the cueing control lever upward and return the tone-arm to the rest stand with your hand.
6. Depress the power switch again. The power is then cut off, and the turntable platter will cease to rotate.

■ Adjustment of turntable platter speed

To perform the fine adjustment of turntable platter speed, first, depress the 33rpm (or 45rpm) speed selector button and then turn the 33rpm (or 45 rpm) speed control knob. Turning this knob in the "F" direction (clockwise) will increase the turntable platter rotation, and turning it in the "S" direction (counterclockwise) will decrease rotation. When the stroboscope ceases to rotate, a correct turntable platter speed rotation is accomplished.

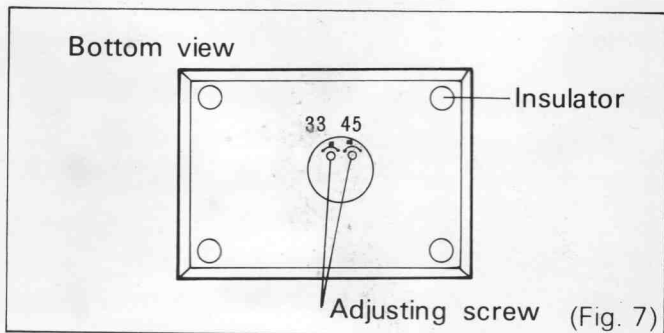


(Fig. 5)

Strobo light (Fig. 6)

*** Note**

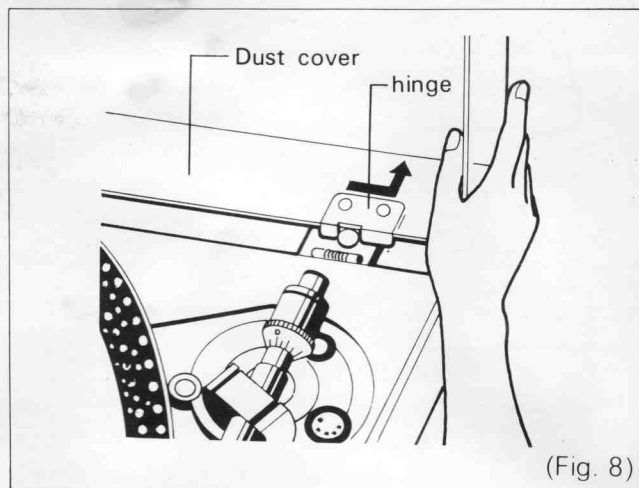
Do not touch the adjusting screws on the bottom of the record player. These screws are adjusted in the factory so that the middle of the fine adjustment range of the turntable platter speed coincides with the center of the turning range of the speed control knobs.



(Fig. 7)

■ Cautions

1. When the turntable is not used, keep the cueing control lever in a down position.
2. Cleaning stylus: A dirty stylus will result in distortion of reproduced sound or deterioration of sound quality; it may also cause incorrect tracking of the stylus. To clean, use a soft brush and gently dust off the stylus tip.
3. Removal of dust cover: To remove the dust cover, lift it fully upward holding the cover side near the hinge as shown in the illustration. (Fig-8)

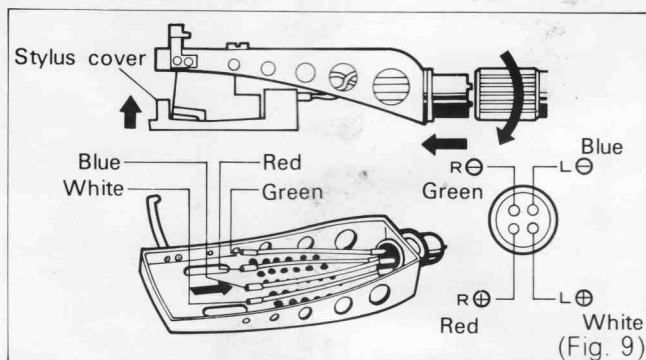


(Fig. 8)

■Change of cartridge

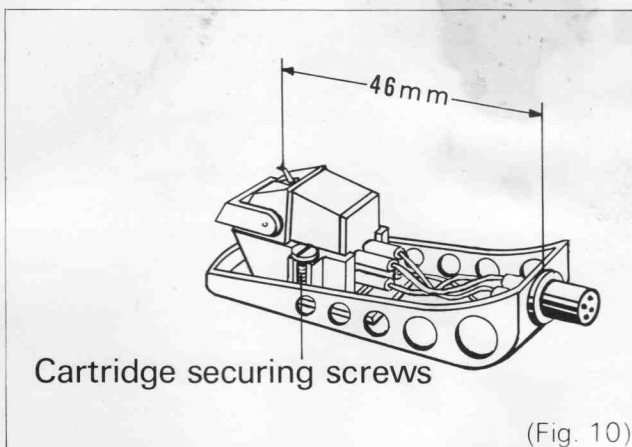
When the cartridge is changed, be sure to attach the stylus cover to protect the stylus tip and turn the amplifier power switch to "OFF"

1. Turn the lock nut of the plug-in head on the arm in the direction of arrow, and pull the head shell toward you to remove it.
2. Change the cartridge with the one you have, and fasten the lock nut in a manner reverse to that described in (1) above.
3. Adjust the stylus pressure to that specified for the new cartridge.
(For adjustment of the stylus pressure, see "Adjustment of stylus pressure" on page.)
4. The leads in the head shell are as illustrated in the figure below. The connector terminals comply with the international standard. For change of the cartridge, insure that all connections are made properly.



■Adjustment of overhang

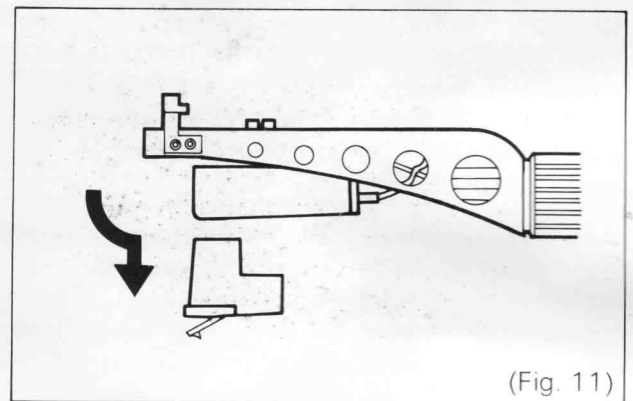
Adjustment of the overhang is required when the cartridge is changed. As shown in the figure below, fasten the cartridge securing screws so that the stylus tip places 46mm apart from the connector side. An optimum overhang is then provided. At this time, the tracking performance of the cartridge is exhibited to the fullest extent.



■Change of stylus

A worn stylus may degrade the sound quality or damage the record. A stylus used for about 300 hours should, therefore, be changed. Change of the stylus is carried out as illustrated.

1. As shown in the figure below, withdraw the stylus slowly in the direction of arrow. The stylus is then removed from the cartridge body.
2. Insert a new stylus into the cartridge body in a manner reverse to that of (1).
3. The stylus can be changed with the head shell removed.
4. An N-55C stylus is recommended, for replacement of the worn stylus. Any other stylus may be used, but TOSHIBA can not be responsible for its performance or failure.



■Lubrication

This turntable uses an oilless bearing and needs no lubrication.

■Transport of turntable

When the turntable is to be transported, use the original carton and packing material.

If the carton and packing materials are unavailable, the turntable should be packed in the following manner.

1. Take out the turntable platter and the turntable mat together and carefully pack them to prevent scratches.
2. Place the tone-arm on the rest stand and secure it.
3. Take out the weight and the head shell (with cartridge) from the tone-arm and pack them in a small box.
4. Wrap the cabinet in a soft cloth or paper to avoid scratches.

FEATURES

1. Direct Drive System

The SR-255 employs a direct drive system. Unlike conventional types of record players using a drive belt or an idling wheel for driving the turntable platter, SR-255 is so designed that the turntable platter is driven directly by the motor (the turntable platter is directly coupled with the motor shaft), thus assuring everlasting performance and longer life.

2. DC Servo Control Motor

The DC servo motor is completely free from the effect of variations in power supply frequency thus, providing smooth and stable rotation of the turntable platter.

Changeover of the turntable platter speed is accomplished by an electronic pushbutton system. Either 33-1/3 or 45 rpm can be adjusted precisely by the stroboscope and the appropriate speed control knob.

3. Deluxe S-Shaped Static Balance Tone-arm

The tone-arm features exceptional sensitivity in both horizontal and vertical directions. It permits the cartridge to offer the ultimate in performance.

4. Arm Cueing Control System

The tone-arm is easily raised and lowered by the tone-arm cueing control lever to protect your records or stylus from damage.

5. Anti-skating Device

An anti-skating device responsible to the stylus pressure provides stable tracking of the record groove.

6. Non-resonance and Non-vibration Cabinet

The cabinet, incorporating a newly developed acoustic material, is effective in minimizing howling and in resonance and vibration prevention.

7. 33cm Turntable Platter with Stroboscope

The precision-made turntable platter with its wide (33 cm) diameter maintains correct operation.

8. Plug-in Head

The plug-in head shell system permits the user to choose a variety of cartridges available in the market.

9. Insulator

The unique insulators attached to the four bottom corners of the cabinet prevent vibrations from external source and howling. They are also effective in minimizing shocks during operation.

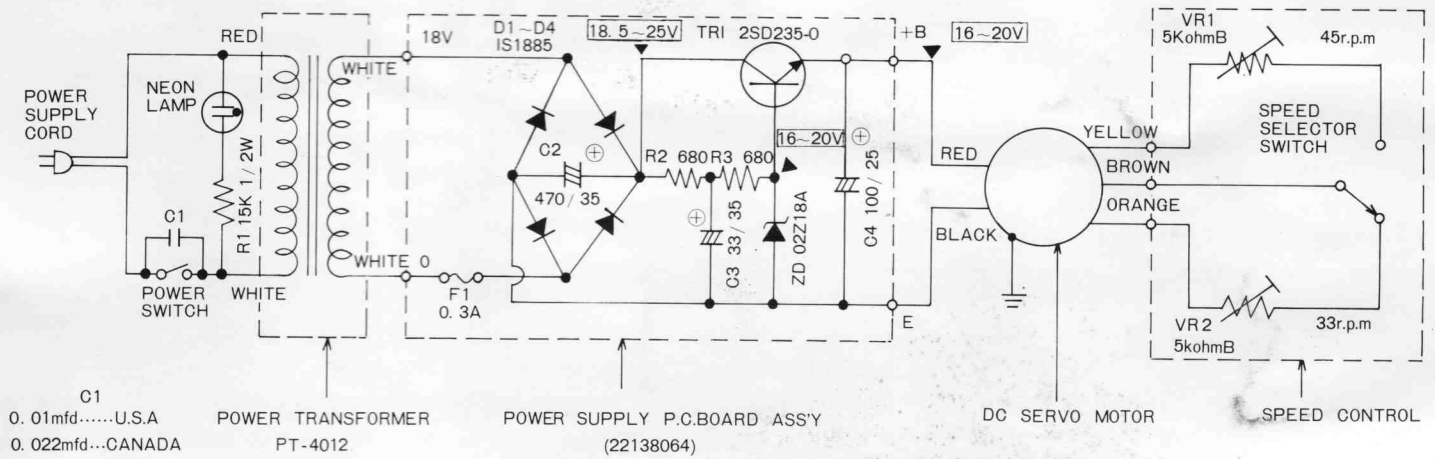
SPECIFICATIONS

Drive system: Direct drive.
Drive motor: DC servo motor (8 poles, 24 slots)
Speeds: 2 Speeds, 33-1/3 and 45 rpm
Speed control range: Within 2% (individual control for 33 and 45 rpm)
Turntable platter: Aluminum die-cast, with stroboscope, 33cm, (1.5Kg)
Tone-arm: Static balance type S-shaped pipe arm
Effective length 222mm
Overhang 14mm
Tracking error angle +3° ~ -1°
Stylus pressure direct-read system
Detachable head shell
Stylus pressure response type anti-skating system
Usable cartridge weight range 5.5 g minimum-12g maximum

SN ratio: 60 dB
Wow & Flutter: 0.05% WRMS
Power source: AC 120V 60Hz
Power consumption: 5W
Dimensions: 454(W)×358(D)×160(H) mm, [17.9" (W)×14.1" (D)×6.3" (H)]
Weight: 8.5Kg
Completed with: Cueing control device
Shell stand
Large sized audio insulators
Detachable hinges

All specifications subject to change without prior notice.

SR-255 SCHEMATIC DIAGRAM





TOSHIBA

...In Touch with Tomorrow

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