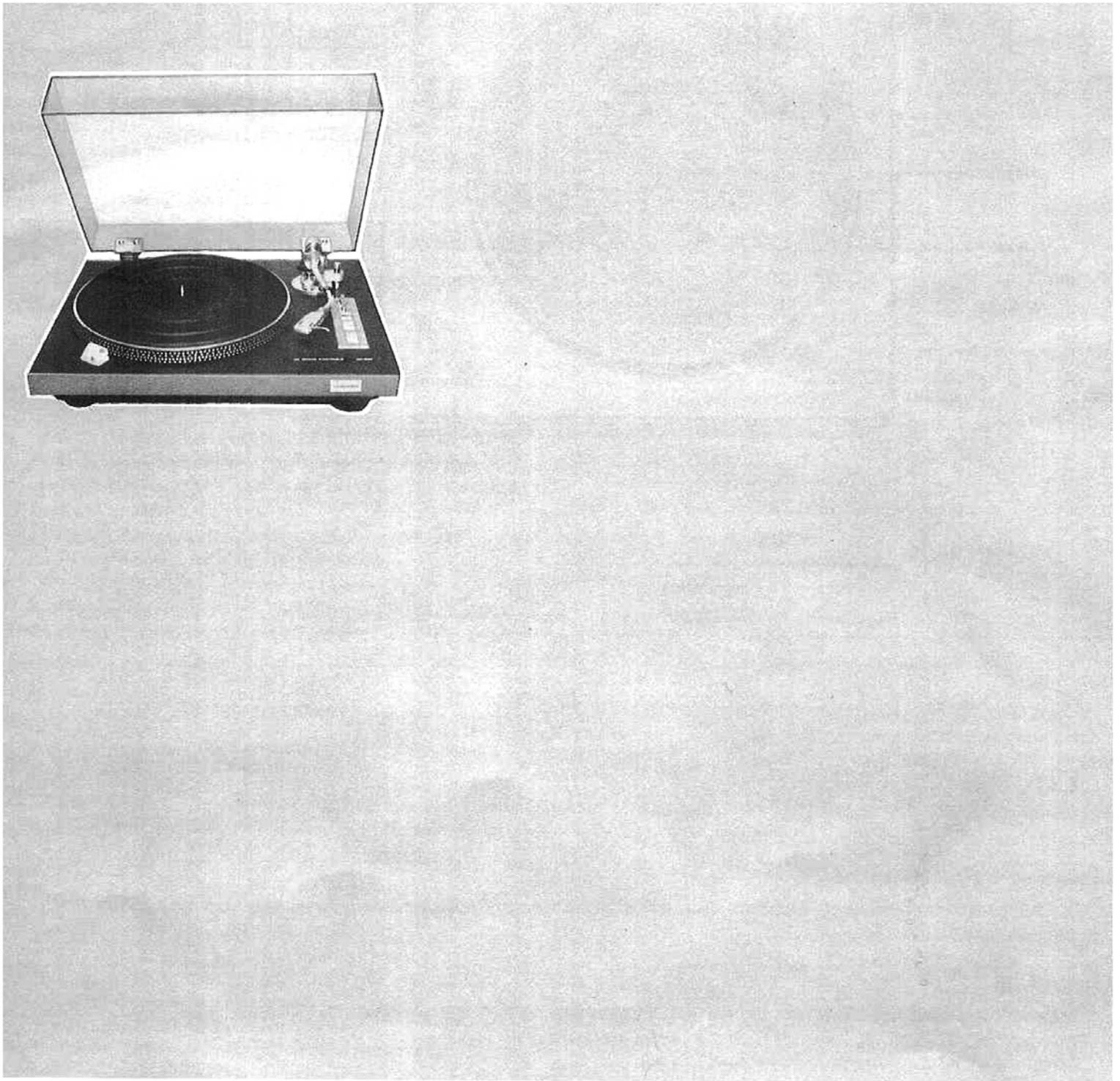


TOSHIBA

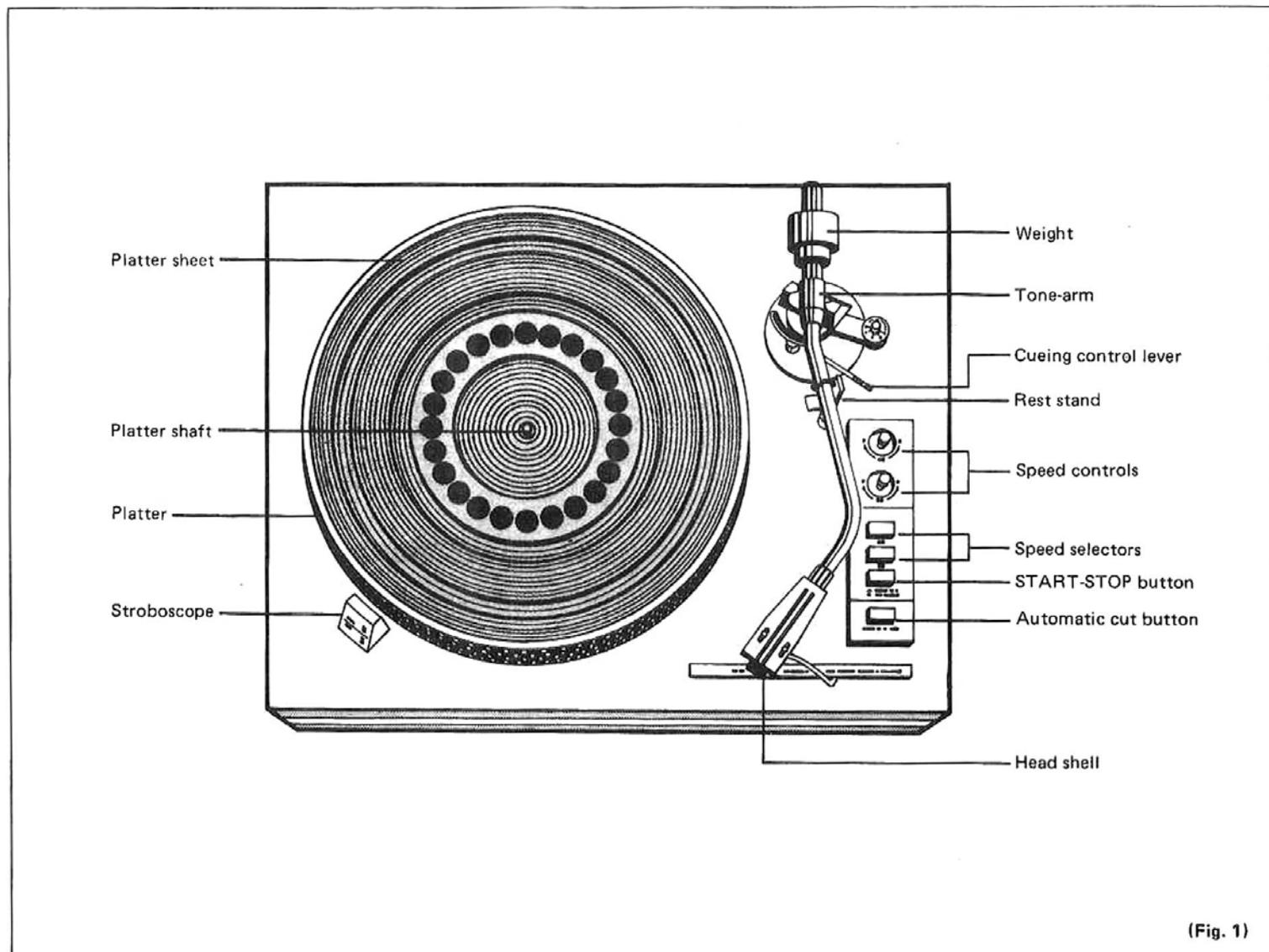
STEREO TURNTABLE

SR-250



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



UNPACKING

■ Preparatory Procedures

All movable parts and precision parts packed separately to prevent damage during shipment have to be assembled in accordance with the following procedures:

■ Unpacking

1. Take out accessories box, the platter and the platter belt placed on the upper packing.
2. Take out the main unit with packing from the carton, and remove the packing.
3. Remove the tape anchoring the arm to the rest stand.
4. Take the head shell and weight out of the accessories box.

ASSEMBLY PROCEDURE

■ Assembly

Assemble the turntable as follows:

1. Mount the separately packed platter
2. Install the platter belt to the pulley.
(See page 3)
3. Place the platter sheet on the platter.
4. Mount the separately packed weight.
5. Adjust the tracking force.
(See page 2)
6. Adjust the platter speed.
(See page 3)
7. Mount the dust cover.
(See page 2)

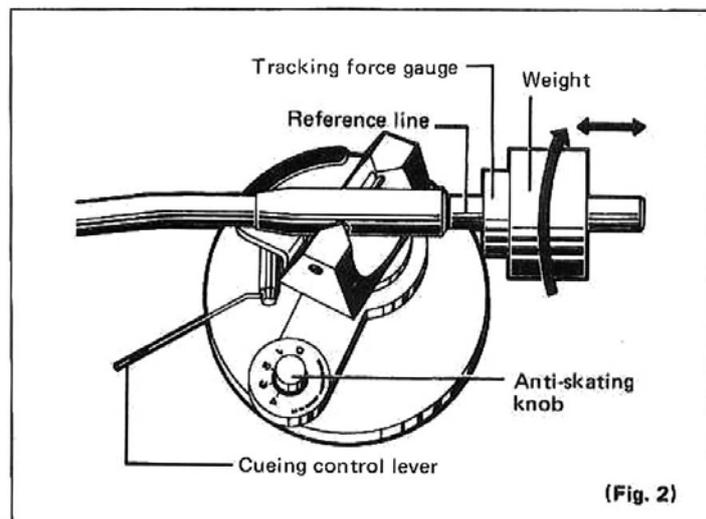
■ Placement

Set the turntable on a flat place as aloof as possible from speakers to prevent possible influence from speaker vibrations. Avoid any place affected by external vibrations or exposed to high humidity, direct sunshine or high temperature.

■ Adjustment of Tracking Force (Be sure to adjust)

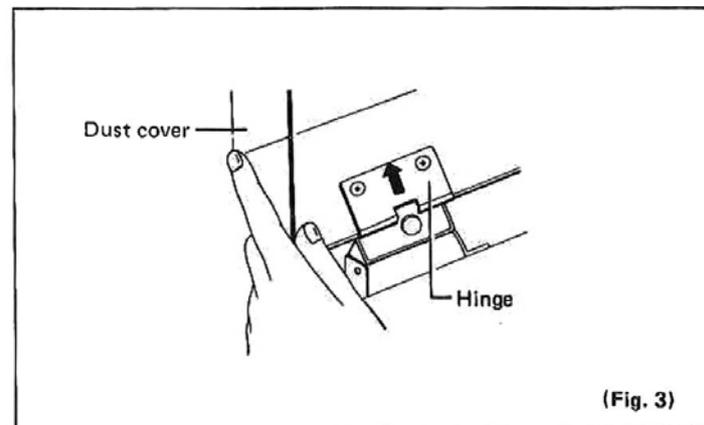
To adjust the tracking force, be sure to switch off the amplifier connected to the turntable.

1. Depress the START-STOP button.
2. Set the anti-skating knob to zero.
3. Set the arm free from the rest stand after confirming the cueing control lever is lowered.
4. Adjust the balancing weight to level the arm. When the arm is levelled, turning the tracking force scale ring individually until the zero scale matches the reference line the arm shaft.
5. Turn the weight in the direction of the arrow, and 1.5 ~ 2.5 g scale on the tracking force scale ring.
6. Return and fix the arm to the rest stand.
7. Set the anti-skating knob scale identical to the adjusted tracking force value.



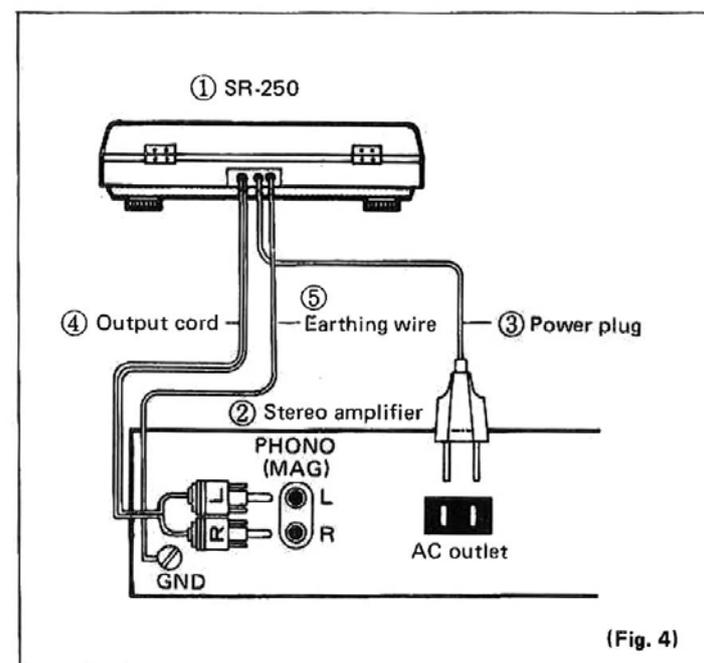
■ Dust Cover Mounting and Removal

The dust cover can be removed or mounted by moving it up or down at the fully opened position as shown below. Hold the cover at the closest possible positions to the hinges.



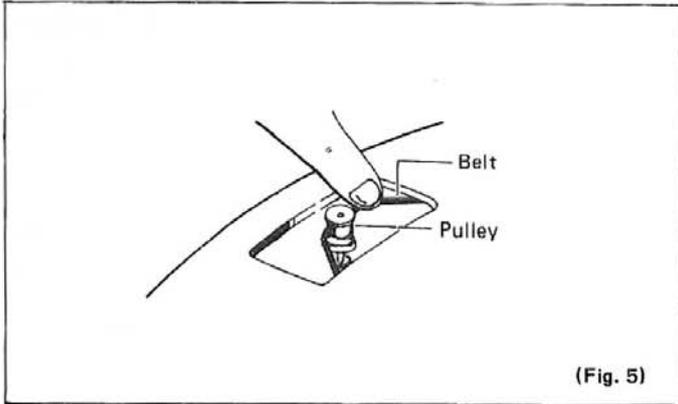
■ Connections

1. Turntable SR-250
2. Amplifier
3. Power Plug
Connect the power plug to the AC outlet of the amplifier or to a wall socket.
4. Output Leads
The output leads from the turntable should be connected to PHONO (MAG) terminal of the amplifier.
5. Earth Terminal
The earth leads should be connected to EARTH terminal of the amplifier.



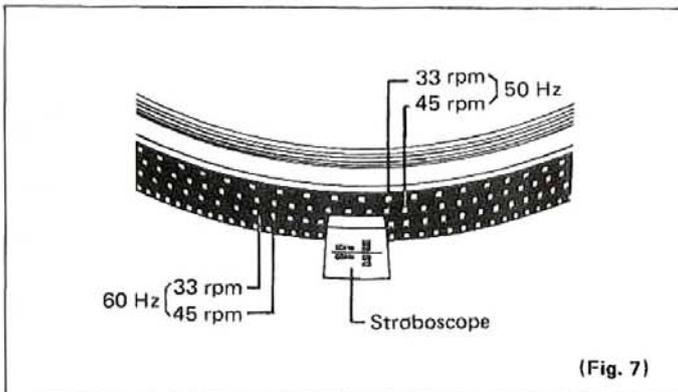
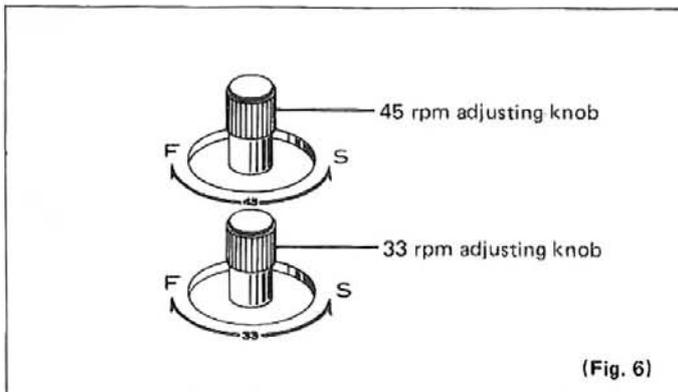
■ Belt Installation

1. Take up the platter while pulling the belt placed around the inner disc with the thumb inserted from the opening in the platter.
2. Fit the platter to the platter shaft and engage the belt to the pulley.



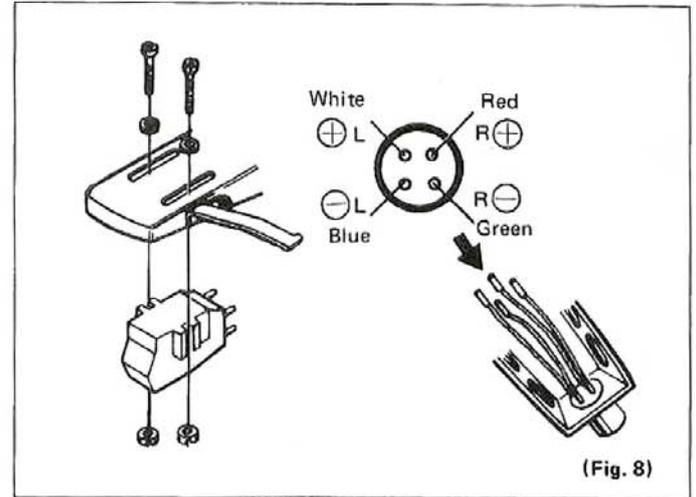
■ Adjustment of Platter Speed

Press 33 1/3 RPM or 45 RPM button. Correct each platter speed by observing the stroboscope. Speed increases as the knob is turned in the "F" (clockwise) direction, and decreases in the "S" (counterclockwise) direction. Correct platter speed is obtained when the stroboscope stops to flicker platter speed.



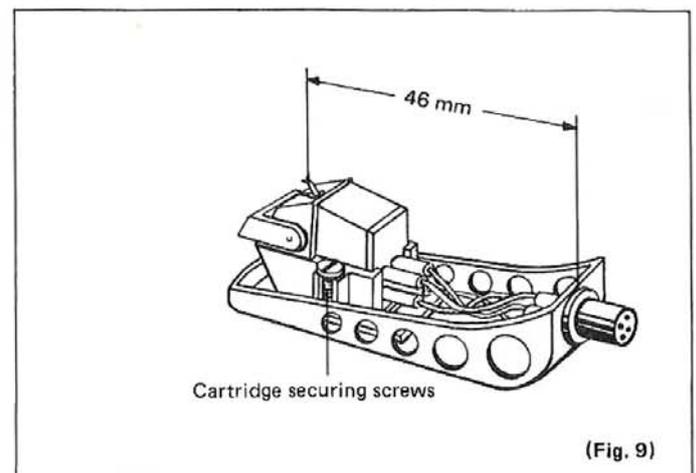
■ To Fix the Cartridge to the Head Shell

1. Connect the leads of head shell to the cartridge correctly.
2. Before securing the cartridge to the head shell, carry out the overhang gauge after lightly tightening the cartridge fixing screws and nuts.



■ 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 46 mm 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.



OPERATION AND MAINTENANCE

■ Operation

Minimize the amplifier sound volume level before operating the turntable

1. Place the selected record on the platter.
2. Press the platter speed selection button corresponding to the record speed.
3. Lift the cueing lever. The stroboscope goes on when the arm is moved toward the record.
Press the START button, and the platter starts to rotate.
4. Pull down the cueing level, and the stylus is gently lowered onto the record.
5. Increase the amplifier sound volume to listen to the play.
6. The arm automatically begins to rise when the record playing terminates, and returns to the rest stand to cut off the power.
7. When interruption of the playing is desired, press down the AUTO-CUT button gently. The arm automatically returns to the rest stand to cut off the power.

● Notes

1. When rotating the platter, the tone-arm may return back to the rest stand. In this case, it is not the trouble of the machine. After the rotating of the platter stops, swing again the tone-arm toward record.

2. Keep the cueing lever pulled down when the player is not used.
3. Cleaning of the stylus point: Dusts collected on the stylus point may cause sound distortion, interference or stylus jumping to an adjacent groove.
Use a soft brush to remove the dust. The stylus has to be brushed gently from the rear to the front.

■ Lubrication

Lubrication is unnecessary because the turntable adopts oilless bearings.

■ Transport of turntable

When the turntable is to be transported, use the original carton and packing materials. If the carton and packing materials are unavailable, the turntable should be packed in the following manner.

1. Take out the platter and the platter sheet together and pack them carefully to prevent scratches.
2. Place the tone-arm on the rest stand and lock it with a string.
3. Take out the weight and the head shell with cartridge from the tone-arm and park them in a small box.
4. Wrap the cabinet in a blanket or soft cloth to avoid scratches.

FEATURES OF THE SR-250

1. DC servo-control motor

The DC servo-motor is not influenced by the source frequency fluctuation, and maintains correct platter speed.

A simple button operation effects platter speed selection through an electronic circuit.

Independent fine adjustment for 45 RPM and 33-1/3 RPM is possible by means of a stroboscope and two separate platter speed fine adjustment knobs.

2. High-grade S-shape static balance type arm

Provided with excellent horizontal and vertical sensitivities to maximize cartridge performance.

3. Cueing control device

Simple lever action cueing control device is adopted to prevent the stylus and a record from possible damages in playing.

4. Anti-skating

Anti-skating corresponding to tracking force is adopted to improve stability in tracing the sound groove.

5. Automatic return mechanism

The arm automatically returns to cut off the power when a record playing is finished.

6. AUTO-CUT button

AUTO-CUT button automatically returns the arm even when a record is still in play to cut off the power.

7. 31.5 cm platter with a stroboscope

A large size platter with a big inertia moment and minimum revolution speed fluctuation is adopted.

8. Insulator

A high-grade insulator effectively shuts off external vibrations and prevents howling.

It ensures stability and minimizes sways in operation.

SPECIFICATIONS

■ Specifications

Drive system: Belt-drive system

Driving

motor type: DC servo motor

Number of

revolutions: 33 1/3, 45 rpm (2 speeds)

RPM adjustment range: $\pm 2\%$, independent for each number of revolutions

Platter: 31.5 cm aluminum diecast platter with stroboscope

Arm: Static balance type pipe arm

Effective length: 222 mm

Overhang: 14 mm

Tracking error: $+3^\circ \sim -1^\circ$

Tracking force direct reading type

Detachable head shell

Anti-skating to correspond to tracking force

Range of the attached cartridge weight:

Min. 3.5 g ~ Max. 10 g

Where a cartridge is attached, it is of the following specification.

| | | |
|------------|---------------------|-----------------------------|
| Cartridge: | Type: | C-55M (Dual magnet type) |
| | Frequency response: | 30 Hz ~ 20 kHz |
| | Output voltage: | 3 mV (at 1 kHz 50 mm/S) |

Recommended impedance: 50 k Ω

Separation: 25 dB (at 1 kHz)

Channel balance: Within 1 dB

Stylus tip: 0.6 mil (Diamond)

Optimum tracking force: 1.5 g ~ 2.5 g

Stylus: N-55D

Signal to noise ratio: 55 dB

Wow & Flutter: 0.05% WRMS

Power source: AC 120 V 60 Hz

Power consumption: 4W

Outside dimension: 448^W x 354^D x 140^H

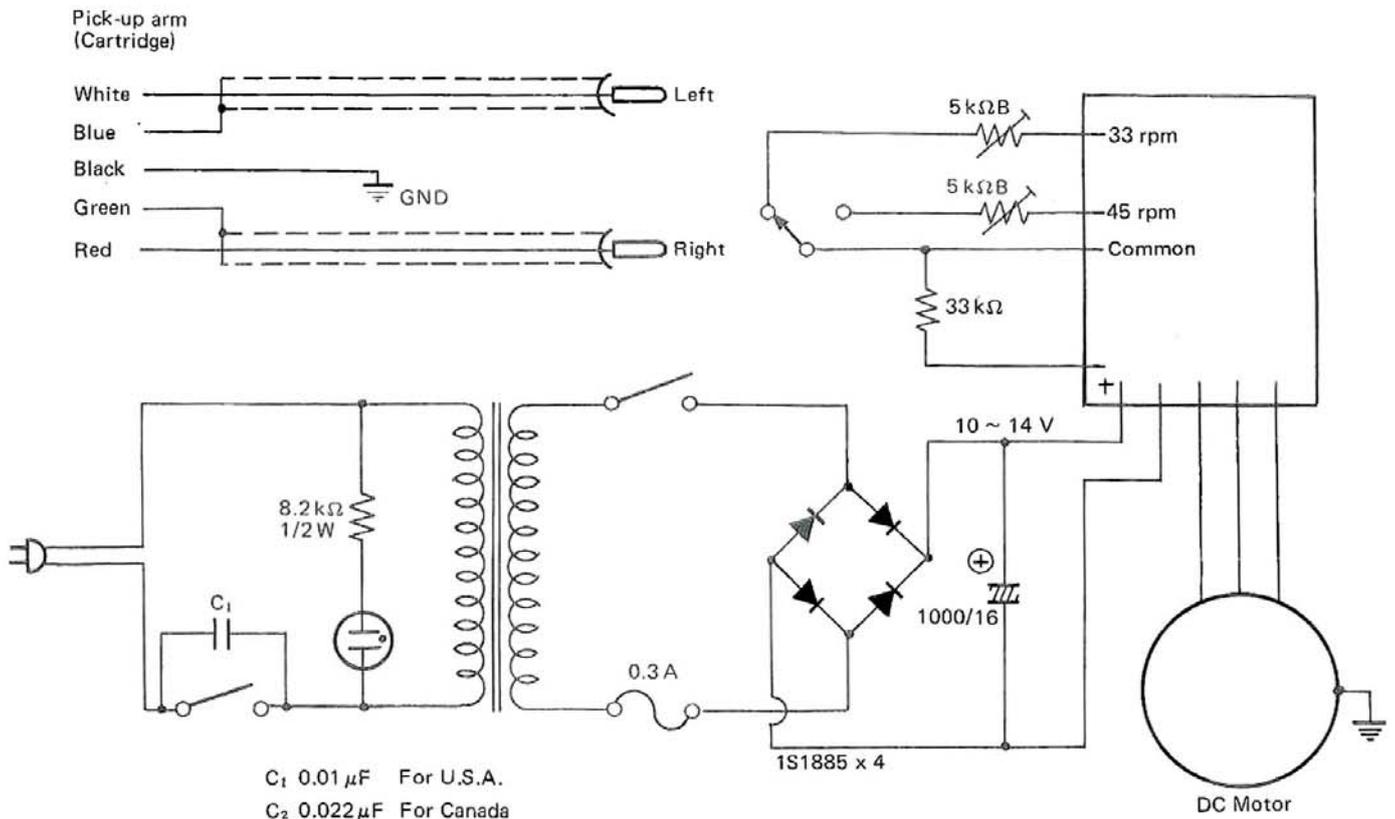
Weight: 6 kg

Completed with:

Cueing control device, automatic return and automatic cut off mechanisms. Detachable free stop hinge.

- Above specifications and the set appearance may subject to change without prior notice.

SCHEMATIC DIAGRAM





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