

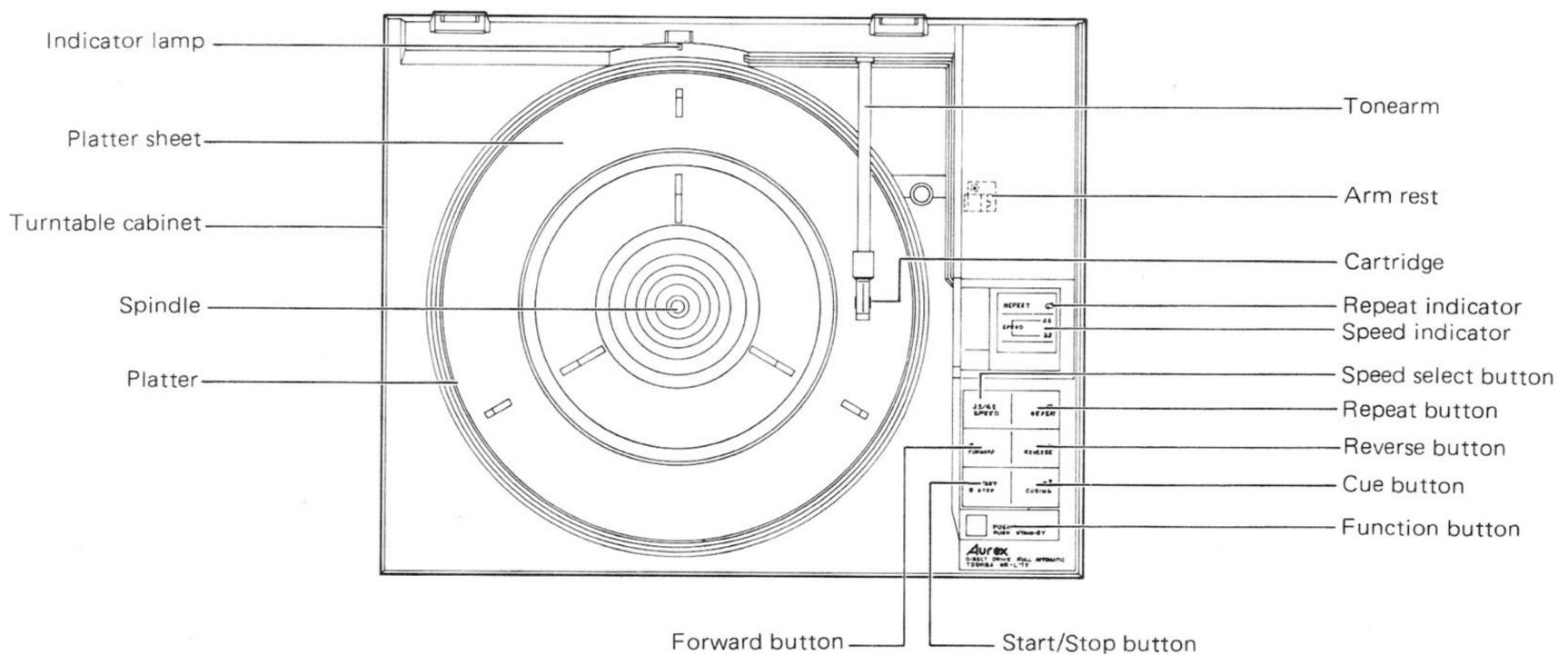
SR-L7F, L7FB

DIRECT DRIVE TURNTABLE

RADIO INTERFERENCE REGULATIONS

THIS APPARATUS HAS BEEN PRODUCED TO COMPLY WITH "DIRECTIVE No. 76/889/EEC."

Layout of Turntable Controls



Function button

Depress this button to turn the power on, depress once more to turn equipment to stand-by mode. The indicator lamp lights up when power is on.

(Fig. 1)

Ⓔ

EXCLUSIVE NOTE FOR U.K.

IMPORTANT: The wires in this mains lead are coloured in accordance with the following code.
BLUE: NEUTRAL BROWN: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows.

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter 'N' or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter 'L' or coloured RED.

THIS EQUIPMENT SHOULD BE DISCONNECTED FROM THE MAINS WHEN NOT IN USE.

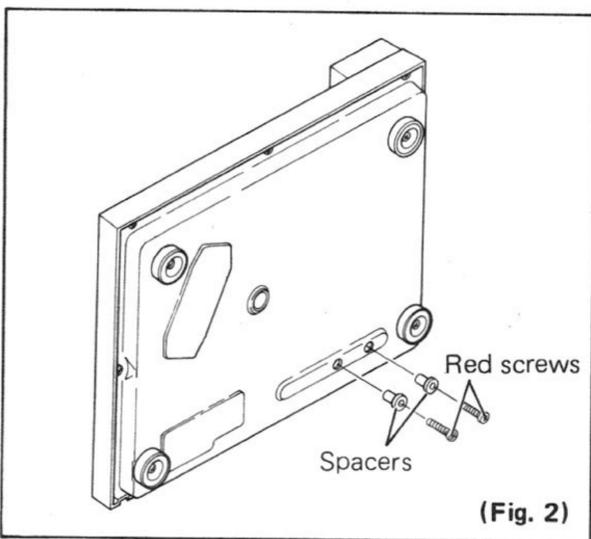
Preliminary Preparations

In order to protect your new turntable from damage during transportation, the platter and other heavy items have been packaged separately inside the packing carton. Unpack each item, and assemble the turntable in strict accordance to the following procedure.

Do not plug the turntable into a wall socket until you have finished assembling it.

■ Unpacking

- (1) Take out the platter and platter sheet from the top of the packing.
- (2) Remove the main turntable unit from the carton with the packing material and then, remove the packing. (45 adaptor is packed with cushion.)
- (3) Remove the two red screws from the bottom of the main turntable unit together with the spacers. They are for protection during transportation. (Fig. 2)



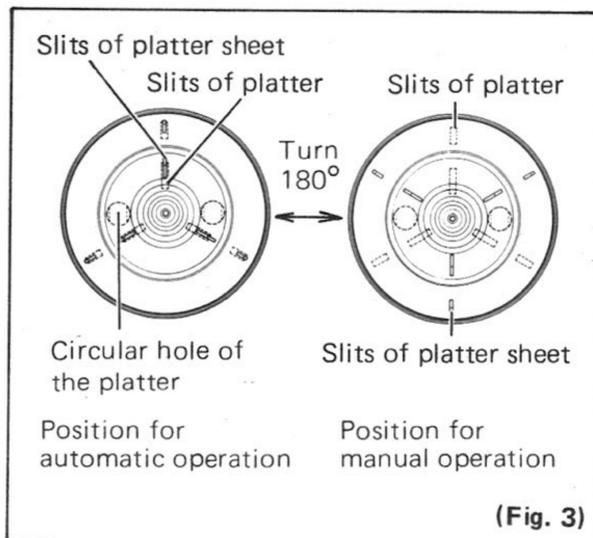
- (4) Remove the tape securing the tonearm to the arm rest.
- * Do not throw away the packing materials. You will need them in case of re-transportation (when you move, for instance).

■ Turntable Assembly

Assemble the turntable following the procedures below.

- (1) Carefully mount the platter, onto the spindle of the turntable.
- (2) Place the platter sheet on the platter, as

shown in Fig. 3, "Position for automatic operation". Make sure that the convex portions of the platter sheet fit into the circular holes of the platter, and that the six slits of the platter sheet fit the corresponding slits of the platter.



- (3) Plug in the power cord. (See "Connecting Up to Amplifier" on the right column.)

CAUTION

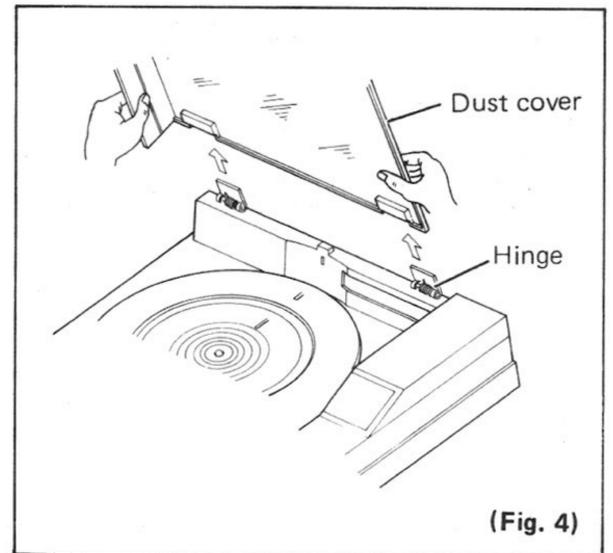
The holes on the platter are used for removing the platter. Do not insert fingers and turn it, since you may get injured.

■ Installation

It is highly recommended that the turntable should be set on a firm and horizontal place away from external vibrations (due to the speakers or footsteps). Keep away from high temperature (heaters and other heat-generating appliances), dampness, dust, direct sunlight and spotlights, which may cause malfunction of the automatic Size/Speed selection mechanism.

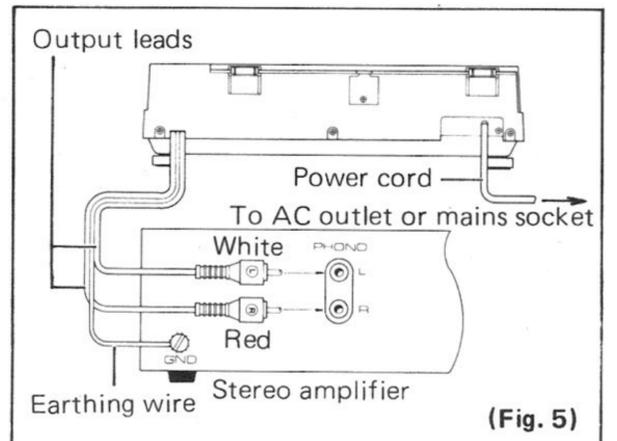
■ Dust Cover Removal

With the dust cover fully open, hold it near the hinges and pull it upward as shown in Fig. 4. Hinges may be removed from the cabinet by pulling them upward. The spring tensions of the left and right hinges are different. Since the spring for the hinge marked "●" is stronger, be sure to use the hinge to the left facing the unit from the front.



■ Connecting Up to Amplifier

Connect the output leads and earthing wire to your amplifier as illustrated in Fig. 5. Check that the L and R output leads are properly connected to the L and R PHONO terminals of the amplifier. Connect the power cord either to the mains socket or to the AC outlet of the amplifier.



Turntable Operation

This Linear-tracking, Fully automatic electronic turntable offers such outstanding features as Automatic Size/Speed Selection, Automatic Quick-repeat, Timer play and other convenient functions.

It can be played either automatically or manually. Follow the procedures for proper operation. For operation of each button, be sure to press any button one by one.

■ Tonearm Operation

The linear-tracking tonearm should always be manipulated with the Forward button (◀), Reverse button (▶) or Cue button (▼/▼). Try-

ing to move the tonearm by hand may cause malfunctioning or even breakdown.

● Cueing (▼/▼)

Use the Cue button to lift and lower the tonearm. Press this button to lift up the tonearm and press again to lower it. It takes about two seconds to lower the tonearm. (While the tonearm is in automatic starting or automatic returning, it is impossible to lift up and lower down the tonearm even if this button is pressed.)

● Horizontal movement of the tonearm Forward button (◀)

While pressing this button, the tonearm moves to the left (toward the center of the platter), and stops when this button is released. Keeping this button pressed, firstly press the Reverse button to quicken the movement of the tonearm to the left. When the tonearm reaches the end position of a record, the tonearm returns to the arm rest and the rotation of the platter stops automatically.

Reverse button (▶)

While pressing this button, the tonearm moves to the right (toward the arm rest), and stops when this button is released. Keeping this button pressed, firstly press the Forward button to quicken the movement of the tonearm to the right.

When the tonearm reaches the arm rest, the tonearm lowers down automatically and the rotation of the platter comes to a stop.

This button does not function when the tonearm is down onto the arm rest.

A press on the Forward or Reverse button lifts up the tonearm automatically. Use the Cue button to lower down the tonearm onto a desired position. While the tonearm is in the automatic starting or automatic returning, the Forward and Reverse buttons do not work even if pressed.

■ Automatic Operation (Auto Start)

● Before operation

* Make sure that the six slits of the platter sheet fits the corresponding slits of the platter. (See "Position for automatic operation" in Fig. 3.)

* Use 30 cm or 17 cm record of black color.

* The Automatic Size/Speed selection function automatically changes the speed of the platter: 33 rpm for 30 cm records and 45 rpm for 17 cm records. The speed is displayed on the indicator.

When playing 30 cm/45 rpm records or 17 cm/33 rpm records, change the speed with the Speed select button.

The speed changes to and from 33 rpm and 45 rpm alternately with each press on the Speed select button. (See Fig. 6)

● Operation

(1) Press the Function button to turn the power on, and check that the indicator lamp lights up.

(2) Place your record on the platter sheet.

(3) Press the Start button lightly. The platter starts rotating, with the speed shown on the indicator, and the tonearm moves to the starting groove of the record. Play manually if the record is not to be played from the beginning.

press of the Start button, if red, white or other non-black translucent records are played. Since this is not malfunctioning, play these records manually.

② If a record is not placed on the platter, the platter starts rotating but the tonearm does not move inside. The rotation of the platter stops shortly.

③ The automatic function may not operate under direct sunlight or strong light. Move away the unit from these lights.

④ Never touch the rotating platter or the tonearm in motion. It may cause malfunctioning or breakdown.

⑤ 25 cm records cannot be played automatically. Play them manually instead.

■ Auto-Repeat Operation

* Lightly press the Repeat button. (The indicator "↺↻" lights up.) When the play comes to the end, the tonearm returns to the starting position and plays the record, repeating the process over and over again.

* Press the Repeat button once again to release the auto-repeat function during the play. (The indicator goes out, but the unit continues to operate till the end of the record.) Pressing the Stop button also discontinues the auto-repeat function (The indicator "↺↻" goes out). The tonearm returns to the arm rest and the platter stops rotating immediately.

[CAUTION]

The auto-repeat operation cannot be employed when playing non-black translucent records and 25 cm records.

■ Manual Operation

Use manual operation when playing 30 cm records other than black color, following the procedures below.

● Before operation

* Turn the platter sheet 180° so that the six slits of the platter are closed. (See "Position for manual operation" in Fig. 3.)

* When the slits of the platter are closed, the stylus is lowered down onto the platter sheet with a press on the Cue button, regardless of the presence of a record. Since the contact with the platter damages the stylus, always make sure that the stylus is positioned properly over a record before pressing the Cue button.

● Operation

(1) Press the Function button to turn the power on, and check that the indicator lamp lights up.

(2) Place your record on the platter sheet.

(3) Check the speed indicator to see whether the speed is correct. If not, press the Speed select button. The speed is changed to and from 33 rpm and 45 rpm with each press.

(4) If the Repeat indicator is on, press the Repeat button to release the repeat function.

(5) Using the Forward and Reverse buttons, bring the tonearm to a desired position.

(6) Press the Cue button to lower the stylus onto the record and to start the play.

(7) When the record comes to the end, the tonearm lifts up and returns to the arm rest automatically. The platter also stops rotating.

(8) Press the Stop button to stop playing, and the tonearm returns to the arm rest automatically. The platter will stop rotating.

■ Interruption of Playing

Press the Cue button to lift the tonearm. To continue the play from a different position, move the tonearm to the desired position with the Forward or Reverse button, and press the

Cue button again. The tonearm lowers gently to resume the play.

■ Timer play

This model is possible to automatically start playing at the desired time by using an audio timer. For connections, refer to the instruction manual of your audio timer.

(1) Set the platter sheet to the "Position for automatic operation." (See Fig. 3)

(2) Press the Function button and check that the indicator lamp lights up.

(3) Place your record on the platter sheet. (Read the following [CAUTION] and select the type of record suitable for automatic operation.)

(4) Move the tonearm to a position between the arm rest and the record, to play the record from the beginning. If the play is to be started from an intermediate program, move the tonearm to the exact position.

(5) Set the audio timer to the desired time. The indicator lamp of this unit goes out.

(6) When the time comes, the audio timer turns on the power to activate automatic play. If a record is not placed on the platter, the tonearm returns to the arm rest and the platter rotation comes to a stop.

(7) When the play is finished, the tonearm automatically returns to the arm rest, and the platter comes to a stop.

[CAUTION]

(1) Use a 30 cm/33 rpm or a 17 cm/45 rpm record only. Non-black translucent 30 cm records, 30 cm/45 rpm, 17 cm/33 rpm records and 25 cm records cannot be played automatically.

(2) The auto-repeat operation is unavailable to timer play.

■ After Use

When the tonearm returns to the arm rest and the platter stops at the end of the play;

(1) Press the Function button to change the mode to STAND-BY.

(2) If the unit is not used for a long period, disconnect the power cord from the AC outlet.

■ Stylus Replacement

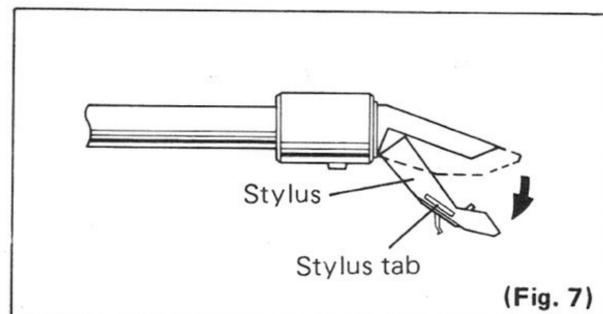
A worn-out stylus deteriorates the sound quality and may damage the record. Replace the stylus after use about 300 hours. Follow the procedures below.

(1) Place the platter sheet at the "Position for automatic operation" (see Fig. 3) without placing a record.

(2) Move the tonearm toward a position above the platter, and press the Function button to change the mode to STAND-BY.

(3) Be sure that the power of the amplifier is turned off.

(4) Pull the stylus to the direction of the arrow with the stylus tabs at the sides holding lightly (Fig. 7).

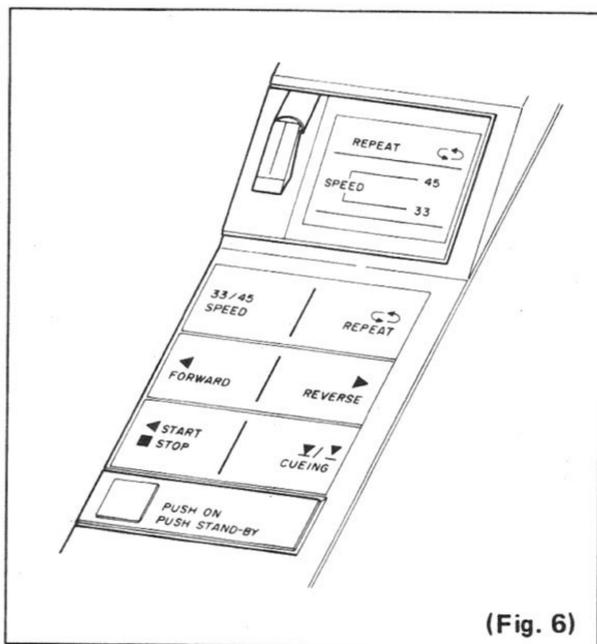


(Fig. 7)

(5) Insert a new stylus into the cartridge in a reverse motion.

(6) Press the Function button and the tonearm returns back to the arm rest.

(7) Use N-68D stylus only. Malfunctioning and breakdown caused by the use of other stylus is not covered under Toshiba's warranty.



(Fig. 6)

(4) When the record play comes to the end, the tonearm automatically lifts up and returns to the arm rest. The platter also stops rotating. (It keeps rotating for a short while because of inertia.)

(5) To interrupt the play press the Stop button. The tonearm automatically lifts up and returns to the arm rest.

The platter also stops rotating.

[CAUTION]

① As the size of a record is detected by the optical electronic sensor, the automatic operation may not function properly with the

General Precautions

1. Keeping the stylus tip clean:

Dust accumulating on the tip of the stylus can lead to groove jumping, distortion of the sound, and early wearing of both record and stylus. Keep the tip of the stylus clean with a soft-hair brush, carefully stroking from the rear forwards.

2. Howling:

When the volume control and bass tone control are turned up high during play, an unusual "howling" noise may occur.

This is caused by vibrations or sound pressure waves transmitted via the floor or air back to the turntable cartridge. This may be prevented by the following means:—

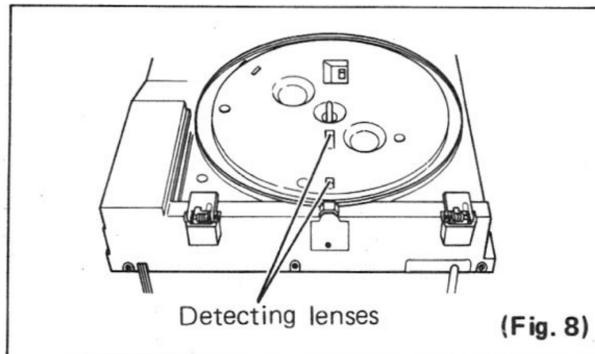
- Position the turntable on a firm basis as far away from the speakers as possible (at least 40 cm).
- Keep the dust cover closed during play.
- Check that the tone controls are not turned to extreme positions.
- Turn the amplifier's low filter on.

3. If the turntable is not to be used for some time:

Push the stop button "■" to return the tonearm to the arm rest.

4. Cleaning of the detecting lenses

When the two detecting lenses below the platter becomes dirty, the "auto size select" function becomes unstable. Therefore remove the platter and wipe them with a cotton swab sometimes.



5. Lubrication:

This turntable has been designed with oil-less type bearing, and thus do not require lubricating.

6. When re-transporting your turntable:

Using the same packaging material in which this turntable was packed when purchased, repack all items in the reverse order. If the same packaging material is no longer available, use soft wrapping paper or a woolen blanket, taking care not to scratch any of the parts.

1. Remove the platter and platter sheet, and wrap up together.
2. Place the tonearm on the arm rest and secure them with a string.
3. Attach the two transportation protective red screws and the spacers to the bottom of the unit in a reverse order of unpacking as shown in Fig. 2.
4. Wrap the cabinet in a blanket, or soft wrapping paper to ensure against scratches.

Specifications

Drive system:	Direct drive	Rumble:	DIN A: lower than -50 dB DIN B: lower than -70 dB
Motor type:	Three-phase 20 poles DC servo motor	Mains voltage and frequency:	AC 220 - 240V ~ 50 Hz
Turntable speeds:	33-1/3 and 45 rpm	Power consumption:	Max. 15W
Turntable platter:	29 cm aluminum diecast	Major dimensions:	with cover closed 420(W) x 112(H) x 338(D) mm with cover fully opened 420(W) x 395(H) x 338(D) mm
Tonearm:	Static balanced Linear-Tracking tonearm Effective length: 130 mm Tracking error: $\pm 0.12^\circ$	Weight:	Approx. 6.0 kg
Cartridge:	Moving flux (MF) C-68M Output voltage: 0.6 mV/cm/sec. Frequency response: 20 - 25,000 Hz Channel balance (1 kHz): < 1 dB Crosstalk (1 kHz): > 25 dB Load resistance: 47k - 100k ohm Stylus tip: 15 μ m diamond-tipped spherical stylus Dynamic compliance (lateral): 8 mm/N Tracking force: 2 gf Stylus replacement: N-68D	Features:	Full automatic mechanisms (auto-start, auto-stop, auto-return, auto-repeat, auto speed select, auto size select, record existence detect, manual), cueing system detachable free-stop dust cover
Wow and flutter:	DIN: less than 0.042% (zero to peak) WRMS: less than 0.03%	Accessory:	45 rpm record adaptor

* Specifications and dimensions are subject to alteration without notice.

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