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MITSUBISHI

TURNTABLE LT-30

INSTRUCTION BOOK

Congratulations on your choice of the Mitsubishi Turntable Model LT-30.
For the best performance results, please read this instruction book carefully before use.

WARNING-TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

For future reference a space has been provided below for recording the serial number of your turntable.

Serial #

PRECAUTIONS

1. GENERAL

BE SURE TO USE THE CORRECT A.C. POWER SOURCE
A.C. power is marked on the rear of this unit. Connection to any other power source may cause damage to this unit and/or severe electrical shock.

DO NOT PLUG IN OR UNPLUG THE POWER CORD WITH WET HANDS
There is great danger of severe electrical shock if the power cord is plugged in or unplugged with wet hands. Do not attempt to unplug the cord from an A.C. outlet by pulling the cord. Firmly grasp the plug to remove it from the A.C. outlet.

DO NOT ALLOW WATER OR ANY FOREIGN MATTER TO GET INSIDE THIS UNIT
Should water or metallic object accidentally fall into this unit, immediately disconnect the power cord and consult your authorized service dealer.

HANDLE THE POWER CORD WITH CARE
Do not bend sharply or twist the power cord. If the insulation becomes damaged, the conductor breaks, or poor contacts occur, request service from your authorized service dealer. Continued use under these conditions may cause fire or electrical shock.

DO NOT TOUCH THE INSIDE OF THIS UNIT
There are high voltages inside this unit. Never remove the bottom cabinet. All inspections and repairs, including fuse replacement, should be carried out by your authorized service dealer.

DISCONNECT THE POWER CORD AT THE FIRST SIGN OF TROUBLE
At the first sign of unusual noise, odor or malfunction, disconnect the power cord and consult your authorized dealer. Continued used under these conditions may increase damage or cause additional problems.

2. LOCATIONS

AVOID PLACEMENT IN DIRECT SUNLIGHT, NEAR AIR CONDITIONER ETC.
This unit can become unstable if operated in extremely high or low temperatures. Place it in a well ventilated area for proper heat dissipation. Avoid placement in direct sunlight, near air conditioners, poorly ventilated areas or in areas of excess humidity or dust. Placement near a hot air outlet may cause distortion of the dust cover.

PLACE ON THE LEVEL AND RIGID SURFACE
Placement of an inclined surface will disturb the accurate motion of the tonearm and may cause skipping of the stylus. Howling may occur when vibrations of the speaker are transmitted to this unit. Be sure to place this unit on a level and rigid surface and avoid placing where the direct vibrations of the speaker are received.

PROVIDE A SPACE OF ABOUT 50 CM (20 in.) ABOVE AND 10 CM (4 in.) BEHIND THIS UNIT FOR OPENING OF DUST COVER

3. CONNECTIONS

DO NOT PLUG IN THE POWER CORD BEFORE MAKING CONNECTIONS
For your safety, do not plug in the power cord before assembly is completed.

BE SURE TO TURN OFF THE POWER TO THE AMPLIFIER BEFORE MAKING CONNECTIONS
This is to prevent damage to the speakers from the popping noise which occurs when plugging and unplugging cords.

USE EXTREME CARE IN MAKING THE CORRECT CONNECTIONS
If you reverse the R (right) and L (left) leads, you will reverse the stereo location of R and L channels.

MAKE CONNECTIONS SECURELY
If any of the plugs should become loose or disconnected, a hum may develop. If this is not corrected, deterioration of sound quality and possible damage to the speakers may result.

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4. OPERATIONS

DO NOT PILE UP RECORD DISCS ON THE PLATTER AND DO NOT USE A WARPED RECORD DISC

If you pile up records on the platter or use a warped record, the stylus may skip and result in damage to the stylus tip and cartridge.

DO NOT USE DIRTY RECORD DISCS

If you play dirty or dusty records, the stylus will wear down rapidly and the record grooves will be damaged. When the record is fouled, wipe off dirt along the groove of the record with a moist gauze, which is forcefully squeezed after being dampened with water. Begin play of the record after all moisture has evaporated.

RECORDS WHICH CANNOT BE PLAYED ON AUTO

The following records cannot be played in the regular automatic mode.

- Transparent records.
- Colored record (red, blue, green or yellow).
- Badly warped records.
- Records not conforming to RIAA standards.
- Records whose size is 25cm (10 in.).

When you play a transparent record or a colored record, place a black sheet the same size as the record between the record and the platter.

IF A POWER FAILURE SHOULD OCCUR

If power failure should occur during play or when the auto mechanism is in operation, do not move the tonearm by hand. Press the stop button (►) after the power resumes.

5. CLEANING

CABINET

Wipe the cabinet with a soft cloth when it becomes dusty. If it should get really dirty, dampen a soft cloth in a weak solution of mild soap and water, wring it out dry and wipe off. When finished, dry completely with a soft dry cloth. Any volatile materials such as alcohol, thinner, benzine, insecticides, etc., may remove the paint or damage the luster and should not be used.

TONEARM

When cleaning the tonearm, be careful not to apply too much pressure. Take care not to touch or damage the stylus.

PLATTER MAT

When dust or dirt accumulates on the platter mat, good results may be achieved by washing it in plain water. If oil or other substances should soil it, you can wash it in a small amount of soapy water. Make sure you dry it completely before replacing it on the platter.

DUST COVER

Wipe the dust cover lightly with a soft cloth to prevent static electricity from building up. If it should become very dirty, wash with soap and water.

STYLUS

If dust should accumulate on the stylus tip, sound quality will deteriorate. Remove the dust with a soft brush. Be sure to use the brush from the inside of the stylus toward outside. You will injure the stylus tip if you touch it with your fingers.

ELECTRONIC CONTROL PARTS

When the light emitter and the prisms become dirty, wipe them off with a soft cloth. Use care in cleaning them for they may cease to function normally if damaged.

6. NO LUBRICATION NEEDED

The bearings of the turntable are lubricated with special oil and it is not necessary to lubricate them. Any attempt to oil this unit may cause damage.

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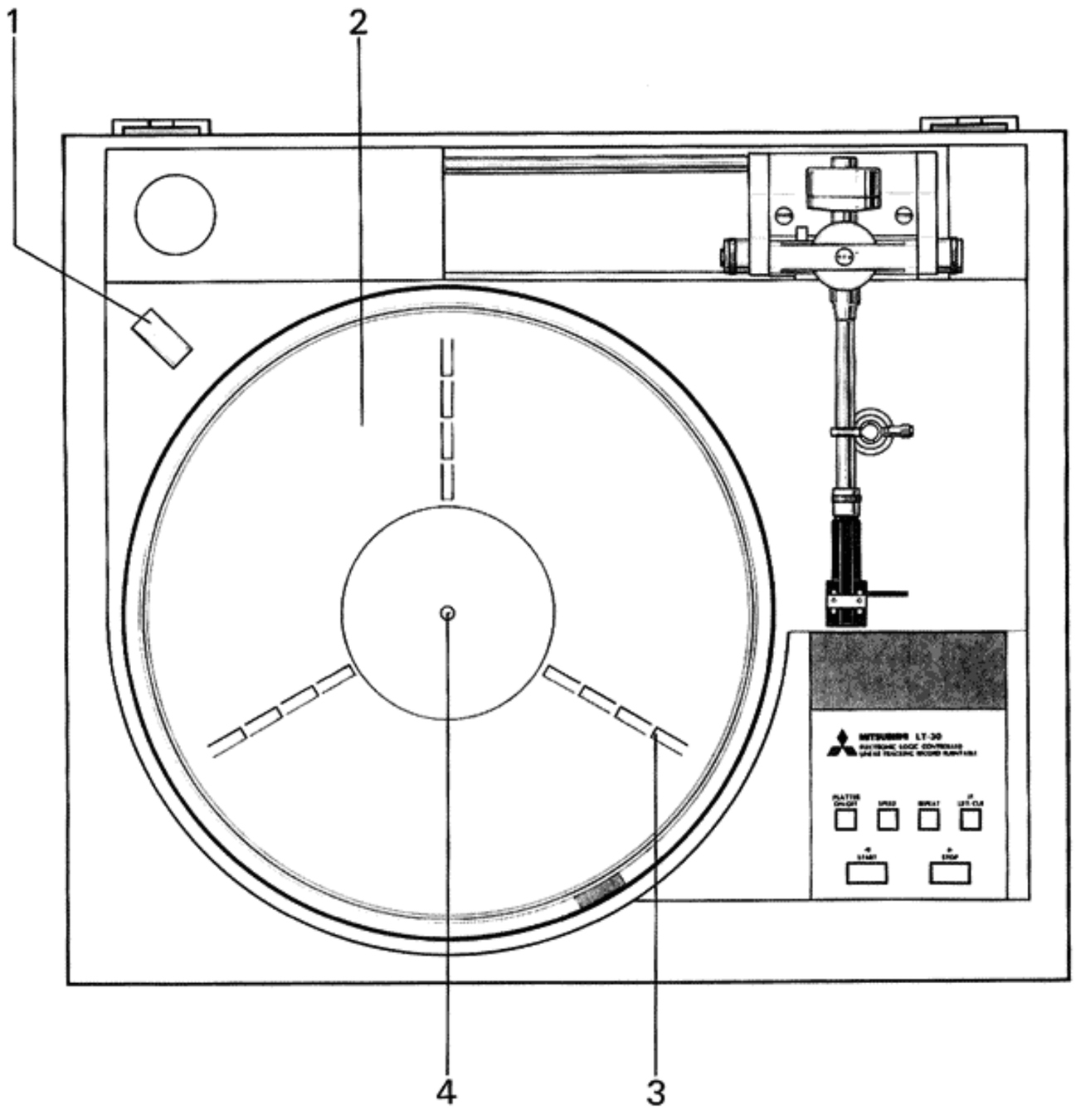
COMPONENT TERMINOLOGY AND FUNCTIONS



1. LIGHT EMITTER
The light emitter illuminates for automatic sensing of the record size.

2. PLATTER MAT

3. PRISMS
These receive the light emitted from the light emitter and transmit it to logic circuits which determine the lead-in position of the tonearm and the rotating speed of the platter.

4. CENTER SHAFT

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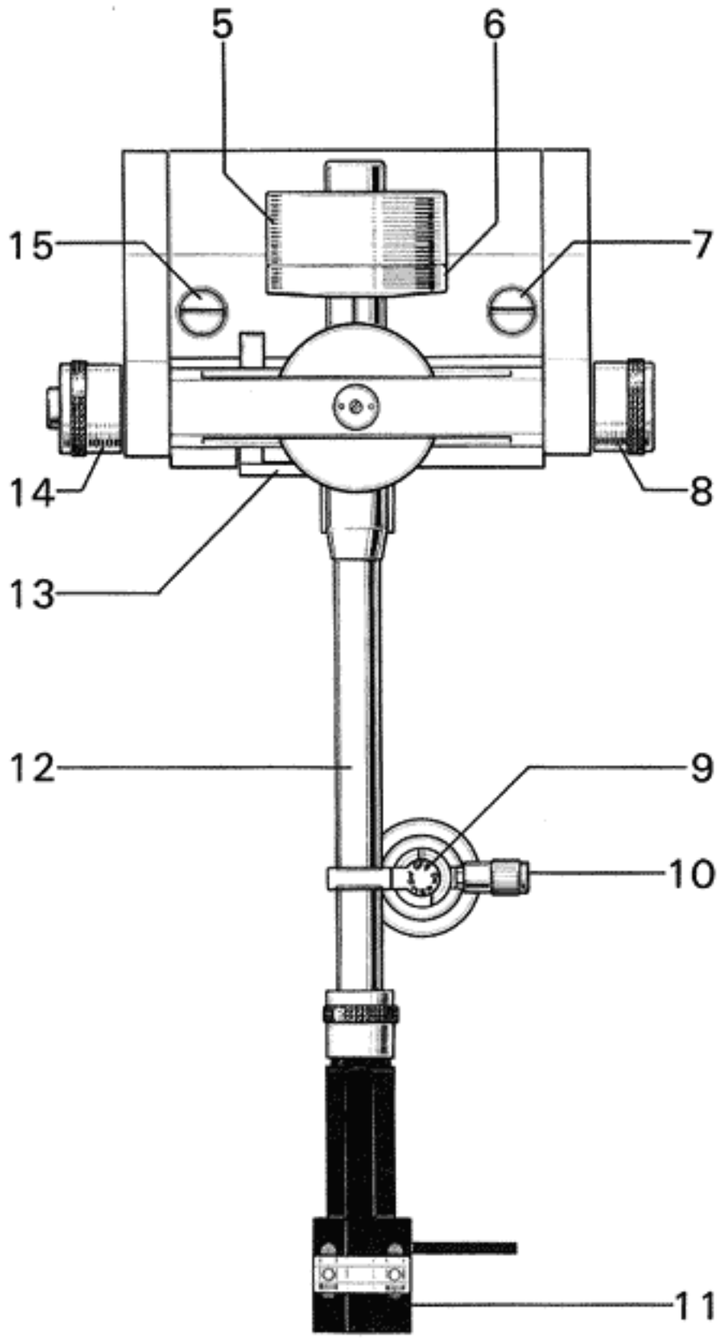

5. COUNTER BALANCE WEIGHT
Adjust (rotate) this weight in order to get the static balance of the tonearm.

6. TRACKING FORCE SCALE
See page 9.

7. TRACKING ANGLE ADJUSTMENT SCREW
See page 14.

8. TONEARM HEIGHT ADJUSTMENT KNOB
Adjust the height of the tonearm by rotating this knob in order to keep a horizontal placing of the tonearm when playing a record. See page 9 for details.

9. ARM REST/POWER SWITCH
When locking the tonearm, the power is turned off. To turn on the power, rotate the locking arm counterclockwise and release the lock of the tonearm.

10. ARM REST LOCK SCREW
Adjust the height of the arm rest after looseing this screw. After adjusting, lock this screw again. See page 10 for details.

11. HEAD SHELL
Install a cartridge (not supplied) here. For details on installation, see page 8.

12. TONEARM

13. ARM LIFTER

14. TONEARM HEIGHT LOCK KNOB
Loosen the lock by rotating this knob counterclockwise before adjusting the height of the tonearm. After adjusting, lock the height of the tonearm by rotating this knob clockwise. See page 9 for details.

15. STYLUS HEIGHT ADJUSTMENT SCREW
Adjust the height of the stylus in automatic operation by rotating this screw. See page 10 for details.

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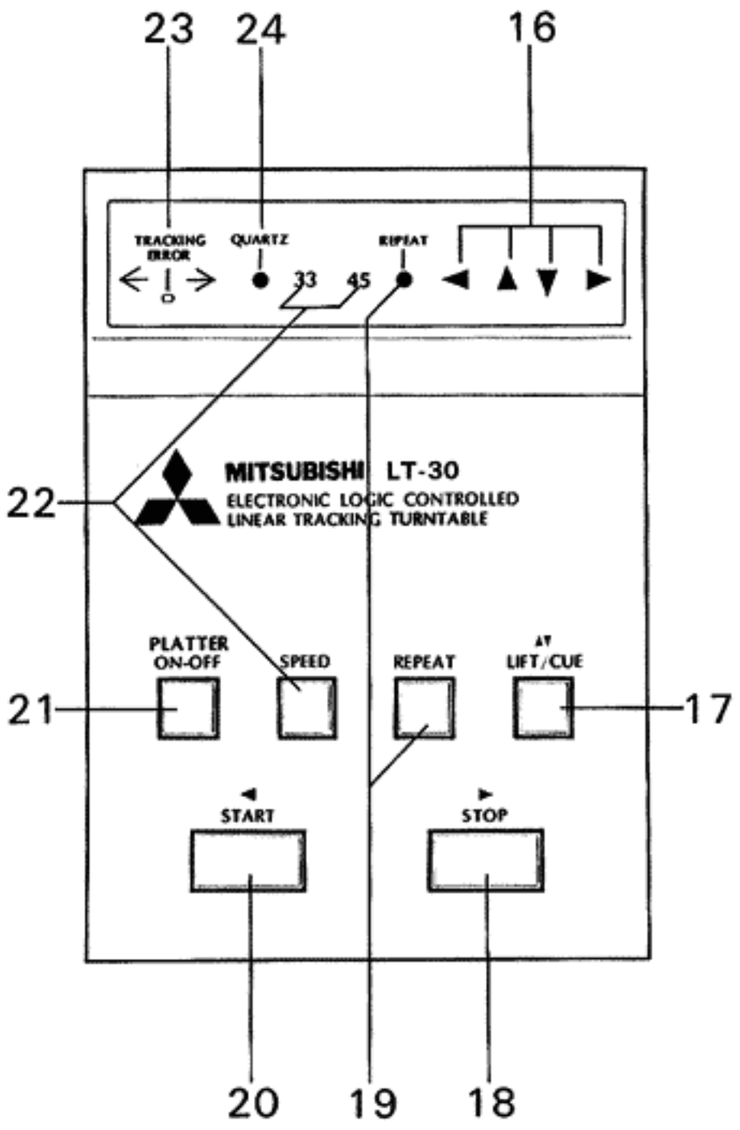

16. TONEARM MOVEMENT INDICATORS
These indicate the direction of the tonearm movement in automatic play.

17. LIFT/CUE BUTTON (▲▼)
This is for lifting up the tonearm when stopping the play. When the tonearm is in the UP position, play may be resumed by pressing this button again.

18. STOP BUTTON (►)
Press this button to stop playing the record. When the tonearm is in the UP position above the record, you can adjust the position of the tonearm to the right by pressing this button.

19. REPEAT BUTTON AND INDICATOR
Press this button to play a record repeatedly. The indicator light will come on. When you want to stop the repeat function, press this button again. When you press the stop button, the repeat function is automatically released.

20. START BUTTON (◄)
Press this button to start playing a record. When pressing this button continuously, the tonearm moves toward the record at a higher speed. After it reaches the inside of the record, its speed is reduced. When you release the start button, the tonearm stops instantly for precise positioning at your point of choice. When the tonearm is in the UP position above the record, you can adjust the position of the tonearm to the left by pressing this button.

21. PLATTER ON-OFF SWITCH
Press this button to start platter rotation without automatic tonearm operation for the purpose of record cleaning etc.

22. SPEED RESET BUTTON AND INDICATORS
This button selects the proper speed when playing a record. You can know the selection of the speeds by the speed indicators.

23. TRACKING ERROR INDICATORS
These indicate whether the tracking error is within the specified value or not when playing the record. When the "I" mark is illuminated, the tracking error is minimum. When the tonearm is at the rest position or in automatic moving, the "←" or "→" mark may be illuminated. This does not indicate a malfunction. Check for tracking error only during playback of a disc by observing the indicators.

24. QUARTZ LOCK INDICATOR
This indicator will be illuminated when the rotational speed of the platter is exactly same as the specified value, i.e. 33-1/3 or 45 rpm.

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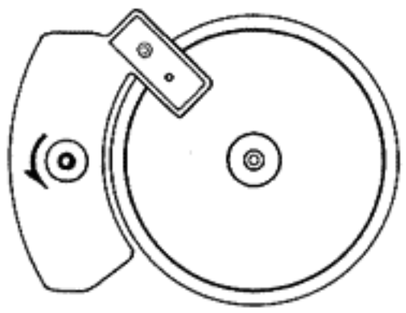
ASSEMBLY

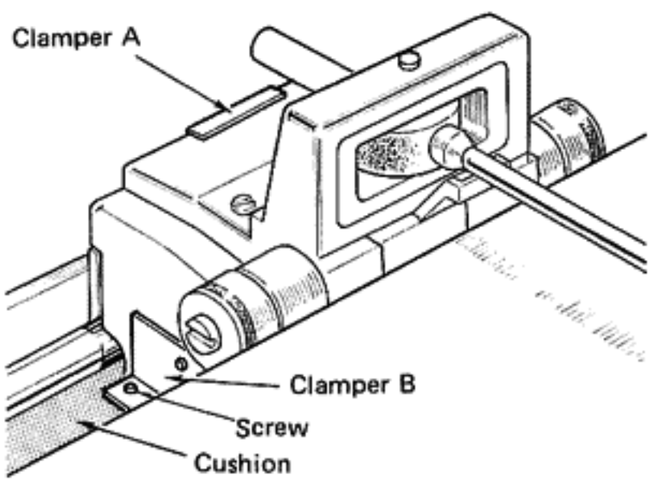
❶ Remove the transport locking screw by turning counterclockwise.

NOTE: When transporting this unit, lock this screw to avoid damage during transportation.

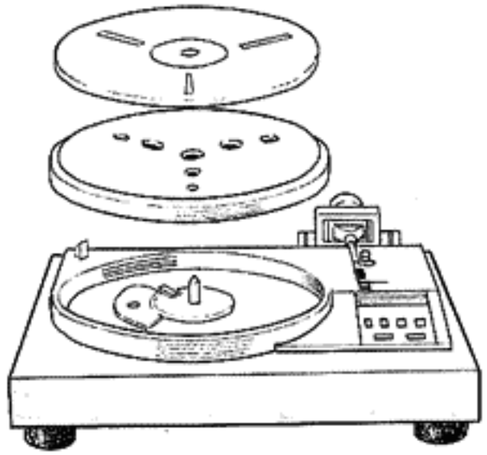


❷ Remove clamper A, clamper B and cushion which are fixing the tonearm during transportation by removing 5 screws.

NOTE: 1. When transporting this unit, fix the tonearm by these parts and screws.
2. Remove only those parts and screws indicated in the instruction above.



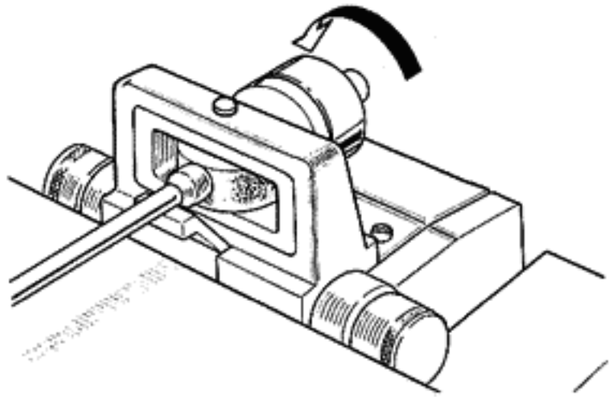
❸ Place the platter onto the center shaft. The platter has three finger holes to facilitate installation.



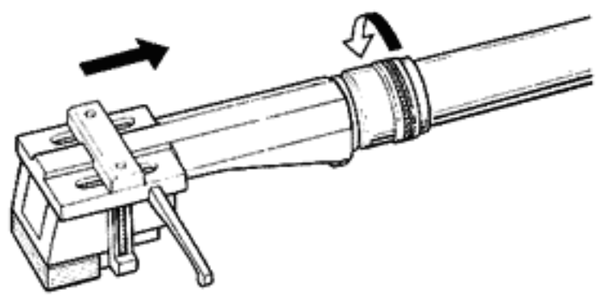
❹ Place the platter mat on the platter so that the prisms built-in the mat are projecting through the holes in the platter.

NOTE: The prisms reflect light to sensors inside the unit to determine the record size. If the platter mat is not correctly installed, the sensors cannot work properly.

❺ Install the counter balance weight which is packed in the accessory box, on the arm shaft as shown in the illustration. Turn the weight in a counterclockwise direction (as viewed from the front). Keep turning until it comes completely forward.



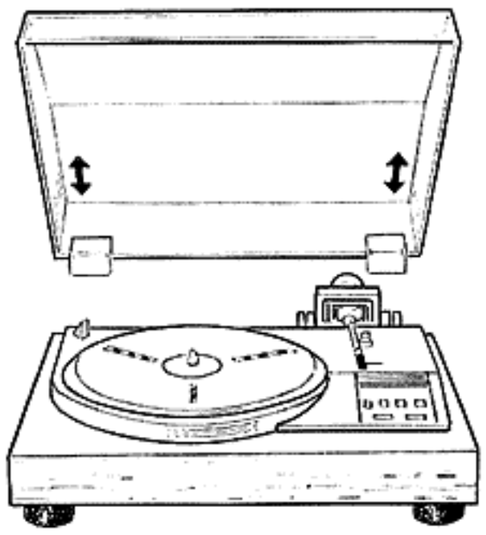
❻ Instructions for installing the cartridge on the head shell are given on page 8. After the cartridge has been installed, place the head shell onto the end of the tonearm and tighten the lock nut while pressing in from the end as shown.



CARTRIDGE INSTALLATION

REMOVAL OR INSTALLATION OF THE DUST COVER

To remove, open the cover, grasp it with both hands and pull straight up. To Install, insert the hinges into the hinge mounts and push downward.

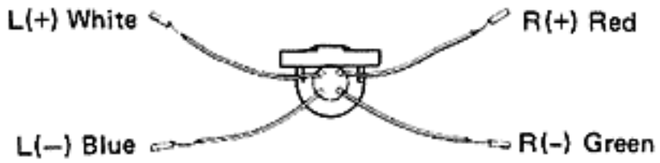


The cartridge is not supplied with this unit. When you have purchased a cartridge, follow the instructions below for installation in the head shell.

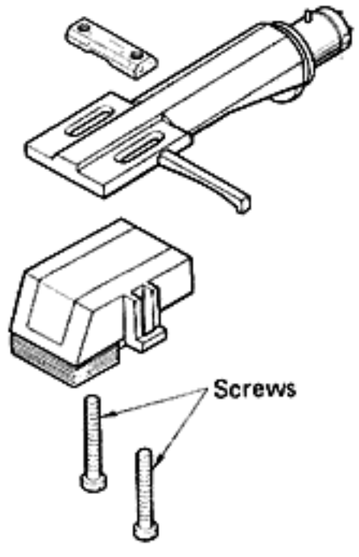
❶ LEAD CONNECTIONS

Attach the lead wires to the proper terminals on the cartridge.

White Lead	L (+)
Blue Lead	L (–)
Red Lead	R (+)
Green Lead	R (–) (G) (E)

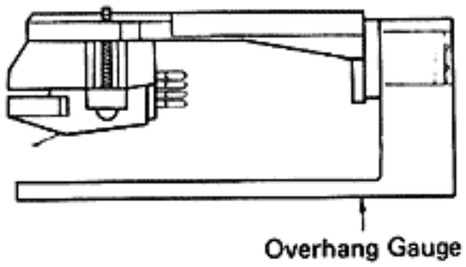


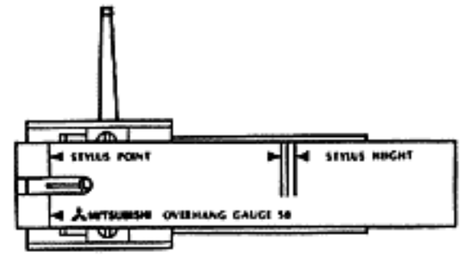
❷ Choose the proper length screws from those supplied and attach the cartridge to the head shell.



❸ STYLUS TIP ADJUSTMENT

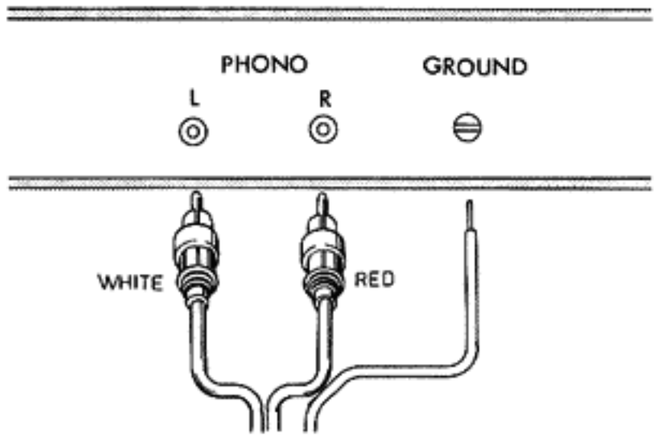
Using the supplied overhang gauge, adjust the stylus tip so that it comes just to the positioning line (◀) on the gauge and fix it in place.





CONNECTION

❶ Insert the pin plugs, red (R-right) and white (L-left), of the signal output cord into the PHONO terminals of the amplifier and connect the ground wire (black) to the ground terminal of the amplifier.



NOTE: This turntable can be connected to all stereo amplifiers, cartridge step-up transformers, etc. which have pin-type jacks.

❷ Insert the plug of the power cord into the A.C. outlet.

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ADJUSTMENT

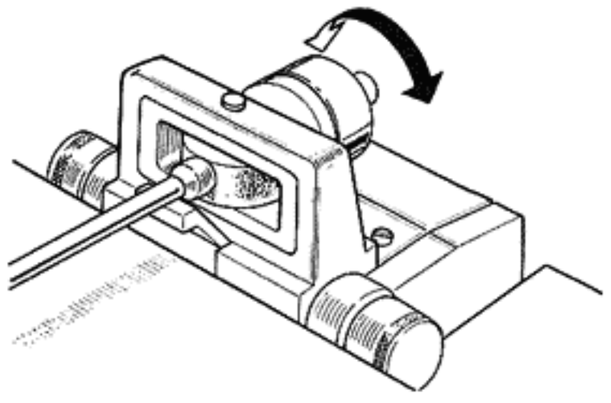
TRACKING FORCE ADJUSTMENT

Follow these steps to adjust the tracking force of the stylus tip.

❶ Turn the locking arm of the arm rest in a counterclockwise direction and release the tonearm from the arm rest.

❷ While lightly holding the head shell with one hand, turn the counter balance weight left or right until the tonearm is in a balanced position.

❸ Lightly hold the counter balance weight so that it does not turn and align the "0" position on the tracking force adjustment knob to the indicator line on the shaft of the tonearm. (Fig. A)



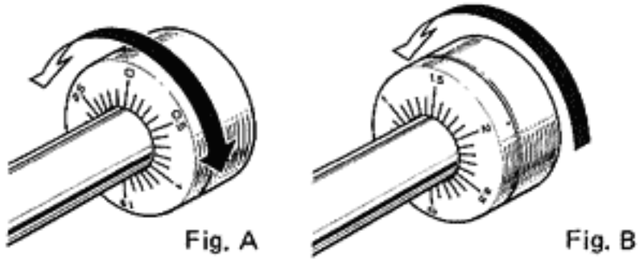


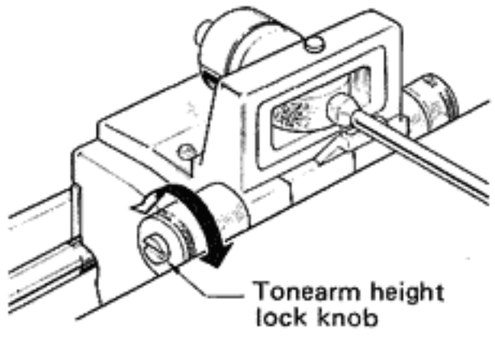
Fig. A Fig. B

❹ Lock the tonearm to the arm rest. Then turn the counter balance weight in a counterclockwise direction (viewed from the front) to increase the tracking force. Set the tracking force by aligning the proper weight for your cartridge with the indicator line on the weight shaft. (Fig. B)

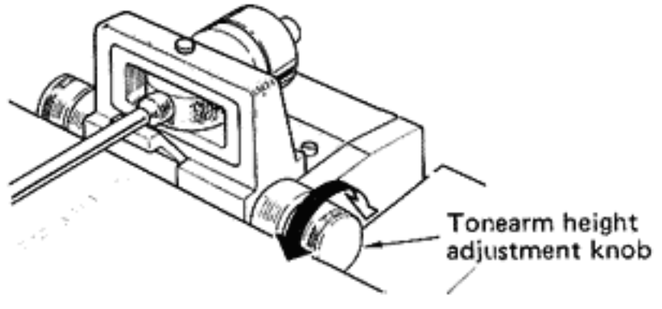
NOTE: If the weight of the head shell including a cartridge is more than 16g, insert the sub-weight packed in the accessory box in the end of the arm shaft by rotating and then adjust the tracking force.

TONEARM HEIGHT ADJUSTMENT

❶ Loosen the tonearm height adjustment lock by rotating the tonearm height lock knob in a counterclockwise direction.



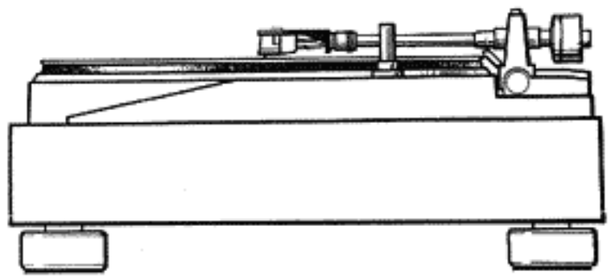
❷ The tonearm will move up and down by turning the tonearm height adjustment knob. Turn this knob clockwise and set the tonearm to the highest position.

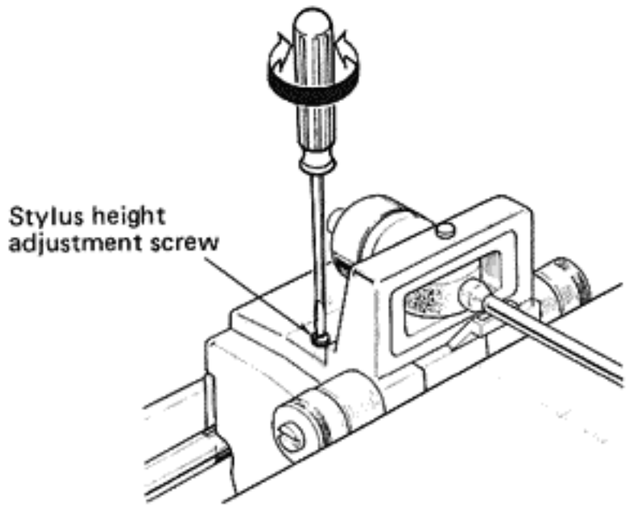


❸ Turn the tonearm height lock knob clockwise and lock the height of the tonearm.
❹ Turn the locking arm of the arm rest in a counterclockwise direction to power on the unit.
❺ Place a record on the platter.
❻ Press the start button and continue to press.
The tonearm will lift and move toward the left at its normal speed until it gets to the outer groove of the record and then it will slow down. Release the start button when the stylus reaches the middle of the record and the tonearm stops its movement. Press the lift/cue button and the tonearm will lower itself and play will start.
❼ Turn the tonearm height lock knob counterclockwise again to loosen the lock.
❽ Adjust the height of the tonearm by turning the tonearm height adjustment knob until the tonearm is parallel to the surface of the record.
❾ After adjusting, turn the tonearm height lock knob clockwise in order to lock the position of the tonearm.

STYLUS HEIGHT ADJUSTMENT

❶ After the tonearm height adjustment, press the lift/cue button when playing a record.
❷ The tonearm will lift itself and will be in the UP position.
❸ The proper distance between the stylus and the record in the UP position is 5 mm (3/16"). If this distance is different from the above value, adjust by turning the stylus height adjustment screw using the screwdriver supplied.

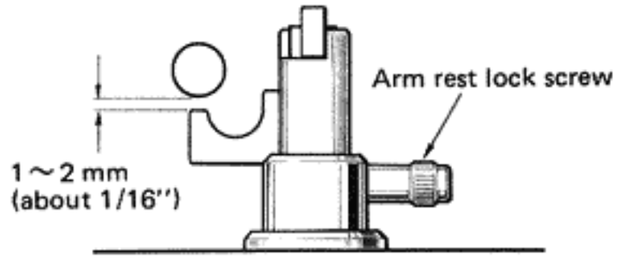




❹ The stylus will be raised by turning this screw in a clockwise direction and lowered by turning in a counterclockwise direction.

ARM REST HEIGHT ADJUSTMENT

❶ After the stylus height adjustment, loosen the arm rest lock screw and set the arm rest to the lowest position.
❷ When the tonearm is in the UP position above a record, press the lift/cue button and then press the stop button.
❸ The tonearm will return to the arm rest.
❹ Press the lift/cue button again and set the tonearm in the UP position.
❺ The proper space between the arm pipe and the arm rest is 1 ~ 2 mm (about 1/16"). Adjust the height of the arm rest so as to get the proper space and then turn the arm rest lock screw in a clockwise direction to lock the arm rest.



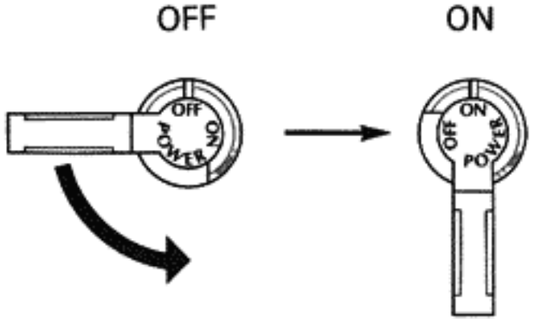
❻ Press the lift/cue button again.

OPERATION

Before playing, complete the following preparations:

❶ Place a record on the platter.

❷ Turn the locking arm of the arm rest in a counterclockwise direction to switch the power on the unit and to release the tonearm.



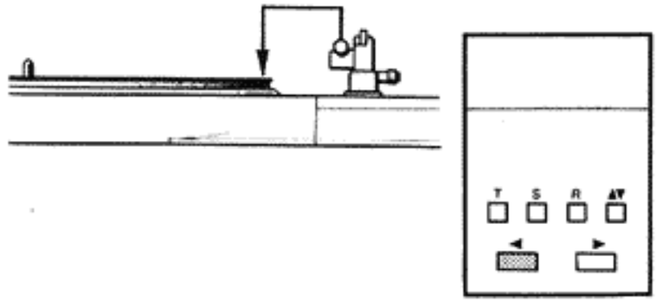
AUTO PLAY

TO START PLAY

Press the start button (◀). The button may be released after pressing as the circuit will be engaged immediately. The platter will begin to turn at the proper speed to suit the type of record on the platter. The arm lifter will begin to work and the tonearm will quietly start to lift and then move horizontally toward the inside. When it reaches the outer groove of the record, it will stop and quietly lower on the record to commence playing the music.

NOTE: Until the beginning of the music, the cartridge output circuit is muted so that no noise will be produced.

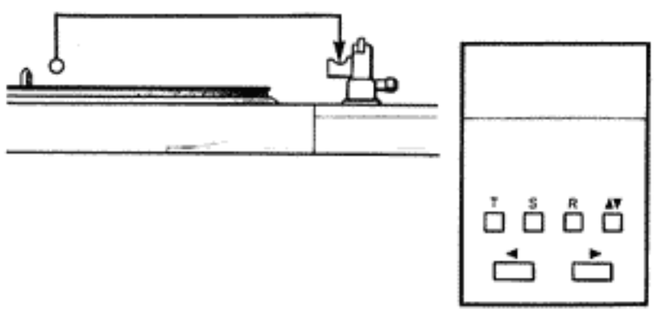
START



AT THE END OF PLAY

When the record is finished, the tonearm quietly lifts and returns to the arm rest and the platter stops its rotation. Notice that the power remains on in preparation for the next playing. When you have finished using the unit, lock the tonearm by turning the locking arm in a clockwise direction. This will also turn the power off.

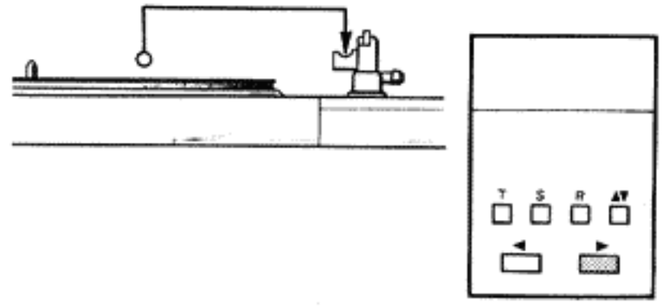
RETURN



STOP

To stop playing a record mid-way, press the stop button (▶). The tonearm will return to the arm rest and the platter will stop its rotation.

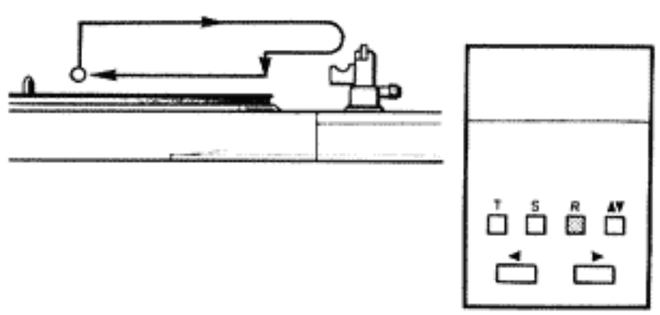
STOP



REPEAT PLAY

Press the repeat button to play the same record repeatedly. The repeat indicator will light and when the playing is finished, the tonearm will lift, move out to the arm rest, return to the outer groove of the record and lower to play from the beginning again. Play will continue to be repeated as long as the repeat indicator is lighted. To cancel play-repeat, press the repeat button again. Play-repeat will also be cancelled when play is stopped by pressing the stop button (▶).

REPEAT



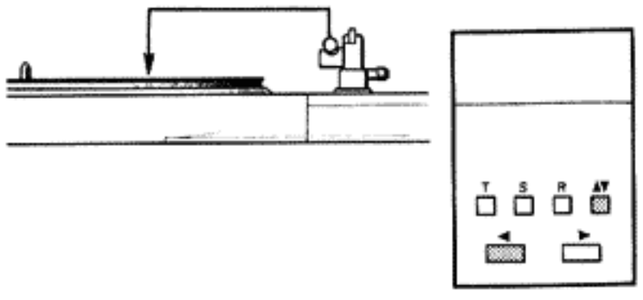
TO START PLAY IN THE MIDDLE OF A RECORD

To begin listening at a particular spot on the record instead of starting at the beginning, follow these steps.

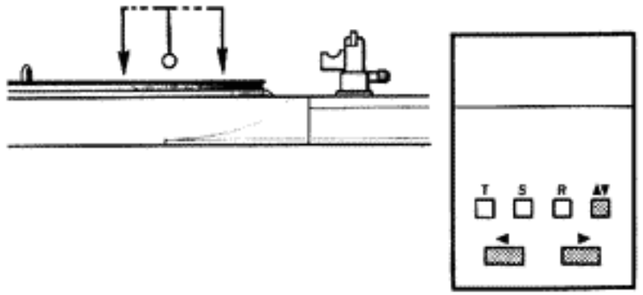
❶ Press the start button (◀) and continue to press. The tonearm will lift and move toward the record. The tonearm will move at its normal speed until it gets to the outer groove of the record and then it will slow down.

❷ Release the start button (◀) when the stylus reaches the desired place on the record and the tonearm will stop its movement immediately.

❸ Press the lift/cue button (▲▼) and the tonearm will lower itself quietly onto the record surface and play will start.

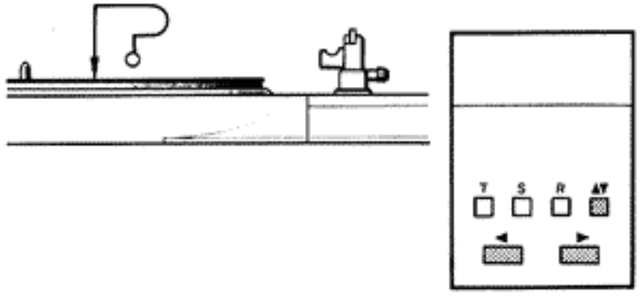


If the tonearm moves beyond the desired spot, release the start button (◀) and press the stop button (▶). The tonearm moves in the opposite direction at a lower speed while pressing the stop button (▶). After you set the tonearm to the desired position, press the lift/cue button (▲▼).



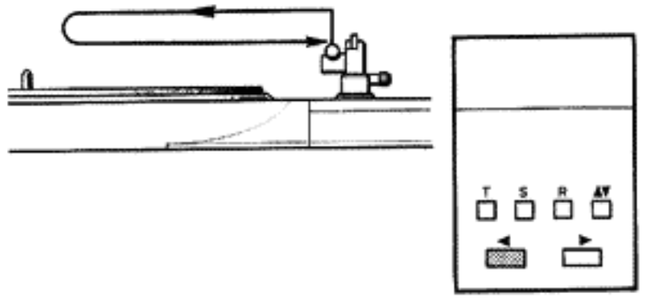
LIFT AND CUE

You can lift the tonearm at any point on the record by pressing the lift/cue button (▲▼). In order to lower the tonearm, press the lift/cue button (▲▼) again. When the tonearm is in the "UP" position, you can control the position of the tonearm by pressing the start button (◀) and the stop button (▶) alternately.



WHEN THERE IS NO RECORD ON THE PLATTER

Even if the start button (◀) is pressed when there is no record on the platter, the stylus will not be lowered onto the platter. The tonearm will simply move across the platter and return to the arm rest.



TO PLAY 25 CM (10 in.) RECORD

If you play a 25 cm (10 in.) record as the same way as a 30 cm (12 in.) record, the stylus will lower at the outside of the record and will be damaged. When you want to play a 25 cm (10 in.) record, follow these steps.

❶ Press the start button (◀) and continue to press. The tonearm will lift and move toward the record.

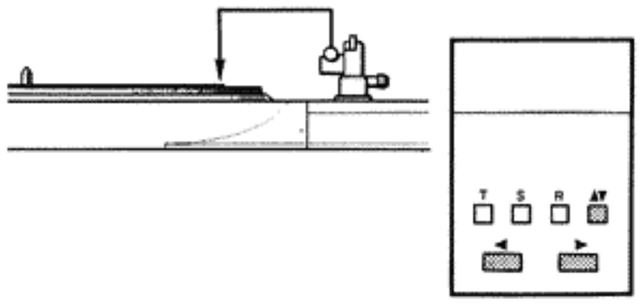
❷ Release the start button (◀) when the stylus reaches the outer groove of the record and the tonearm will stop its movement immediately.

❸ Check the position of the stylus to ensure whether it is just above the outer groove of the record. If needed, adjust the position of the stylus by pressing the start button (◀) or the

ADJUSTMENT (If needed)

stop button (►).

❹ Press the lift/cue button (▲▼) and the tonearm will lower on the outer groove of the record and play will start.



NOTE: When power is turned on, or when the tonearm returns to the arm rest, the speed is set at 33 r.p.m. automatically. Check and change the speed during play or after the platter starts to rotate.

45 ADAPTOR

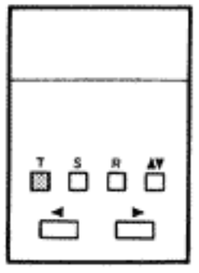
When using records with a large center hole, place the 45 adaptor supplied with this unit onto the center shaft.

ROTATIONAL SPEED SWITCHING

This turntable automatically changes its speed to suit the record size being played as follows. The speed indicator will light up and show the speed being played.

30 cm (12 in.)	Record	33 RPM
17 cm (7 in.)	Record	45 RPM

When the speed required is different from the above, or when you play record whose size is different from the above, press the speed reset button to change the speed.



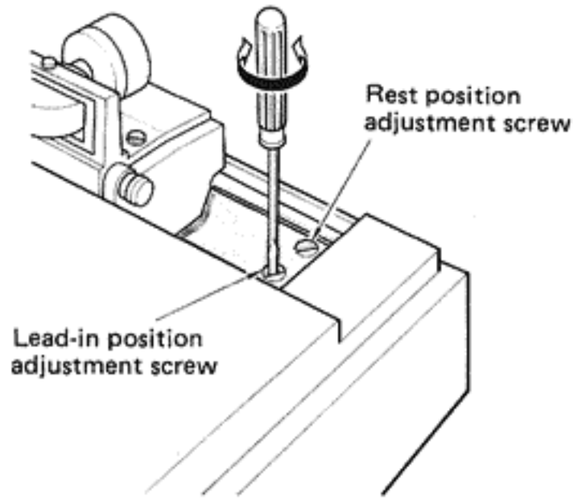
LEAD-IN POSITION ADJUSTMENT

When the stylus does not drop onto the record at the correct position in automatic play, adjust the lead-in position of the tonearm by using the screwdriver to turn the lead-in position adjustment screw.

❶ Place a 30 cm (12 in.) record on the platter.

❷ Press the start button (◄) to play the record and check the lead-in position.

❸ Turn the lead-in position adjustment screw either clockwise to move the lead-in position toward the outside or counterclockwise to move the lead-in position toward the inside and then press the stop button (►).



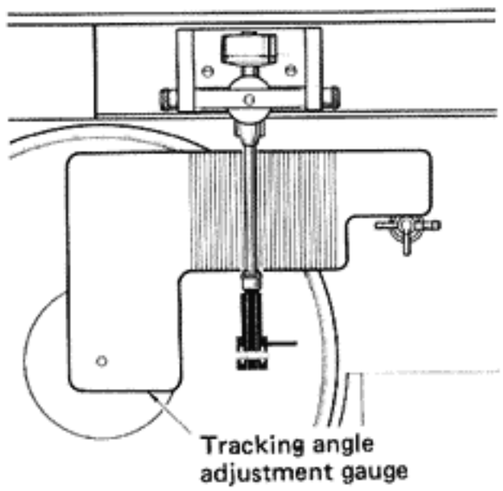
❹ The tonearm will return to the arm rest.

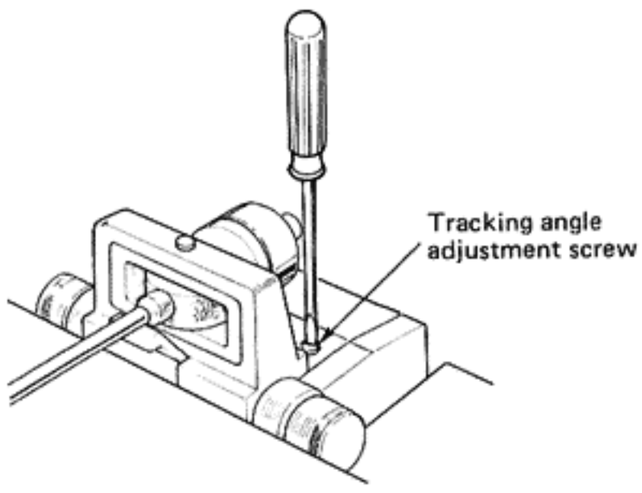
❺ Press the start button (◄) again to play the record and check the lead-in position. If the lead-in position is not correct, repeat the procedures ❸ – ❺ until the correct lead-in position can be obtained.

TRACKING ANGLE ADJUSTMENT

The tracking angle has been adjusted in the factory. But when the " ← " or " → " mark of the tracking error indicators will be illuminated during playing record, adjust the tracking angle as follows.

❶ Place a 30 cm (12 in.) record on the platter.
❷ Place the gauge for the tracking angle adjustment on the record as shown. The gauge is packed with this instruction manual.



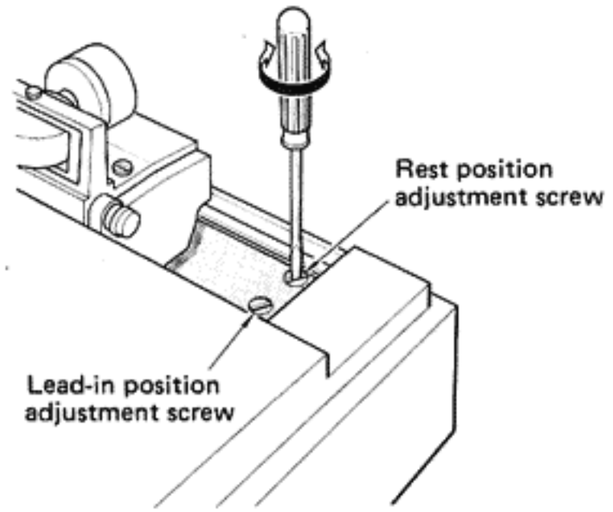


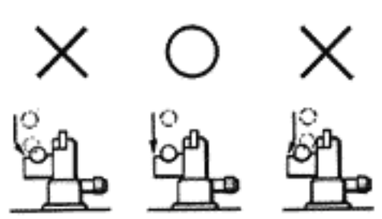
❸ Press the start button (◀) and continue to press. When the stylus reaches the spot which is 10 – 20 mm (3/8" ~ 3/4") from the outer groove of the record, release the start button (◀) and press the lift/cue button (▲▼) to play the record.
❹ Press the T/T ON-OFF switch to stop the rotation of the platter.
❺ After ensuring that the edge of the gauge is contacting the arm rest, observe the parallel lines on the gauge and arm pipe from the above.
❻ If the lines on the gauge and arm pipe are not parallel, adjust the tracking angle by turning the tracking angle adjustment screw carefully with the screwdriver.
❼ Press the stop button (▶) after adjustment.
❽ Remove the gauge for the tracking angle adjustment.

REST POSITION ADJUSTMENT

If the tonearm does not descend to the arm rest in returning, adjustment is needed. Adjustment procedures are as follows:

❶ Place a record on the platter.
❷ Press the start button (◀) to play the record.
❸ Turn the rest position adjustment screw clockwise to adjust the rest position to the right or counterclockwise to adjust the rest position to the left by the screwdriver.





❹ Press the stop button (▶) to return the tonearm to the arm rest.
❺ Check the lowering position of the tonearm to ensure whether it is just on the hollow of the arm rest or not. If not, repeat the procedures ❷ – ❺ until the correct rest position can be obtained.

NOTE: When this adjustment has been performed readjustment of the lead-in position is necessary.

BEFORE TAKING YOUR TURNTABLE IN FOR SERVICING....

First check to ensure that all other components are properly connected and operating normally. Then check the following items:

SYMPTOM	CAUSE	REMEDY
No sound.	◊ Output leads not connected. ◊ Head shell is not completely connected to the tonearm. ◊ Stylus cover is on.	◊ Completely plug in the plugs to the amplifier's jacks. ◊ Connect head shell properly to tonearm. ◊ Remove the cover.
Turntable doesn't turn.	◊ Power cord not fully plugged in.	◊ Plug power cord completely into an A.C. outlet.
A low hum is produced while music is being played.	◊ Output leads are too close to power cord.	◊ Change the position of the output leads. ◊ Reverse the electrical plug at the outlet.
A high hum is produced while music is being played.	◊ Interference from the TV is being picked up by the output leads.	◊ Change the position of the output leads.
Sounds become louder or booming sounds are produced when low notes are played.	◊ This is what is called howling, and it occurs when vibrations from the speakers are transmitted to the turntable.	◊ Place the turntable and the speakers as far apart as possible. ◊ Weak floorboards contribute to howling so look over your speaker location.
A low-pitched hum is produced.	◊ Ground wire is not connected. ◊ An amplifier or some other unit which uses a transformer is near.	◊ Connect the ground wire on the output leads to the amplifier.
A low-pitched, low-volume hum is heard.	◊ The output leads are acting as an antenna in an area of strong electrical activity, producing noise.	◊ Try changing the location of the amplifier and turntable.
Broadcast volume and record volume are different.	◊ The strength of the broadcast signals and the record level are different.	◊ It is impossible to make them exactly the same, so adjust the amplifier volume.
Sounds are distorted and highs are not clear.	◊ Tracking force is not right. ◊ Stylus tip is dirty. ◊ Worn stylus. ◊ Bad record (poor recording, worn, scratched). ◊ Stylus tip in the wrong place. ◊ Record is dirty.	◊ Correct tracking force. ◊ Clean stylus tip. ◊ Replace stylus. ◊ Change the record. ◊ Correct stylus position. ◊ Clean the record.
Stylus mistracking.	◊ Tracking force is incorrect. ◊ Stylus tip is worn. ◊ Stylus tip is dirty. ◊ Bad record (poor recording, worn, scratched). ◊ Record is warped. ◊ Record is dirty.	◊ Apply correct tracking force. ◊ Change the stylus. ◊ Clean stylus tip. ◊ Change the record. ◊ Change the record. ◊ Clean the record.
Excessive scratching noise.	◊ Stylus tip is dirty. ◊ Bad record (poor recording, worn, scratched). ◊ Stylus is worn. ◊ Record is dirty.	◊ Clean the stylus tip. ◊ Change the record. ◊ Change the stylus. ◊ Clean the record.

SPECIFICATIONS

1. PHONO MOTOR SECTION

Type		Electronically controlled fully automatic operation
Drive mechanism		Direct drive
Motor		Quartz PLL DC servo motor
Platter	**Diameter**	312mm (12-5/16")
	Weight	1.5kg (3.3lbs)
	Material	Aluminum die-cast
Platter speed		33-1/3, 45 r.p.m.
Wow and Flutter		0.025% (Wrms) ±0.04% (Wp-p, DIN 45-507)
Signal to noise ratio		65dB (IEC-B) 78dB (DIN 450539)

2. TONEARM

Type		Straight type universal static balanced
Overall length		225mm (8-7/8")
Effective length		175mm (6-7/8")
Tracking error		Less than 0.05°
Head shell	**Material**	Magnesium die-cast
	Weight	6g
Possible cartridge weight (with head shell)		10g to 16g (16g to 20g with sub-weight)

3. GENERAL

Power consumption	15W
Dimensions (W x H x D)	485 x 177 x 413mm (19-1/8 x 7 x 16-1/4")
Weight	15kg (33lbs)

Design and specifications are subject to change without notice for improvement.

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IB-1281-2 Printed in Japan

U871C013H06