

ENGLISH

OWNER'S MANUAL

Quality. Uncompromised.

ROTEL®



**STEREO
SEMI-AUTOMATIC
BELT-DRIVE TURNTABLE**

RP-4400

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

Write your **SERIAL NUMBER** here.
The number is located near the name plate on
the unit's rear panel.

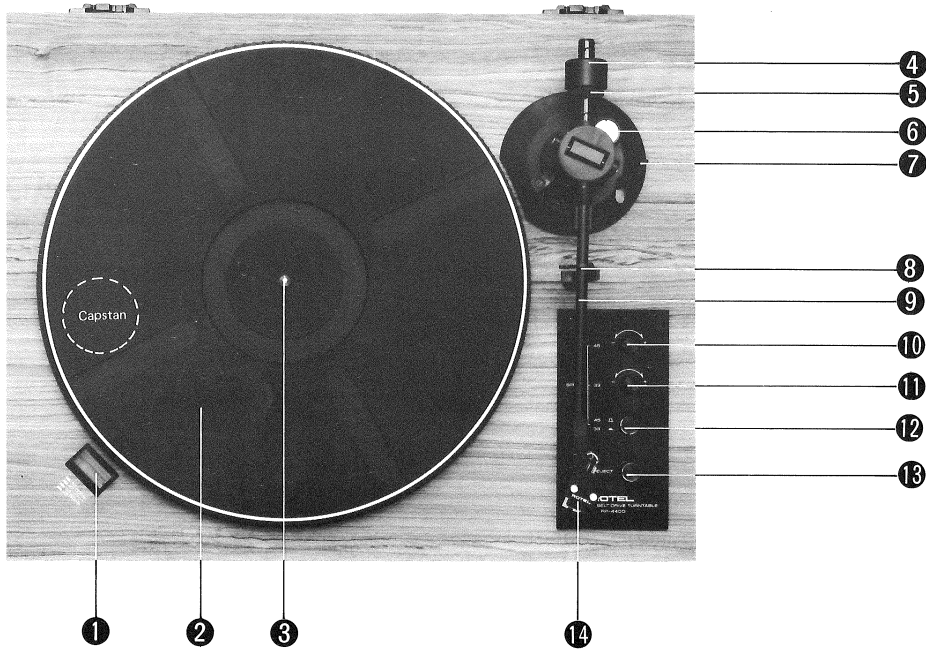
SERIAL NUMBER

THE ROTEL CO., LTD.

1-36-8, Ohokayama, Meguro-ku, Tokyo, Japan

INTRODUCTION

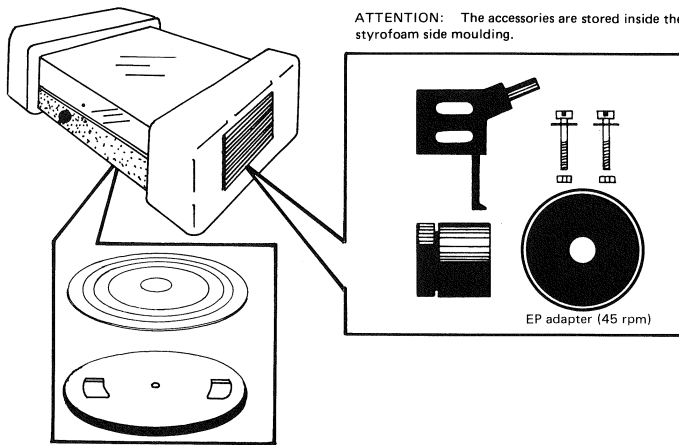
We would like to take this opportunity to thank you for purchasing our Rotel Turntable. We believe the RF-4400 is a high-performance turntable of professional caliber, and it will without doubt give you refreshing music experiences for many years to come. In order to obtain the full use out of your turntable and in order to maintain its optimum performance characteristics, please read the following pages of this owner's manual carefully. Do not attempt to operate the unit until you have made all adjustments and connections as specified in this manual.



NOMENCLATURE

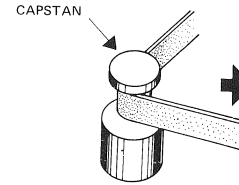
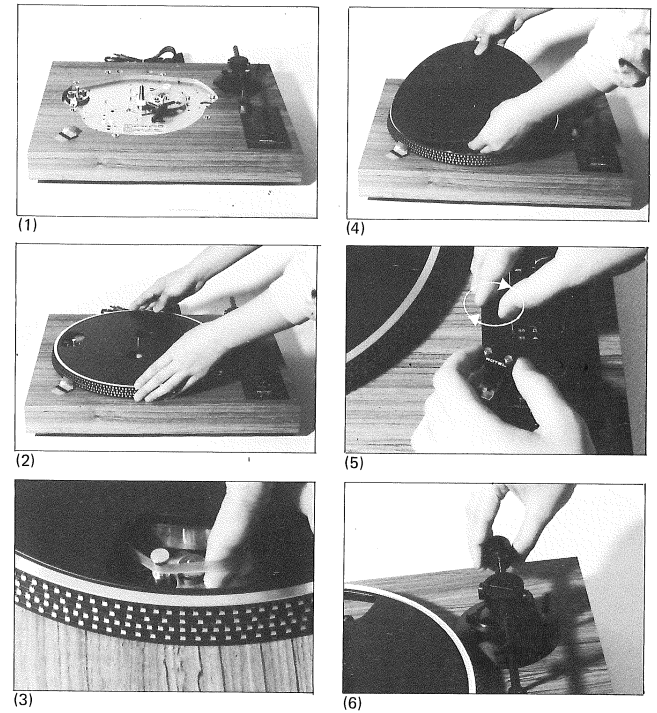
- 1 Strobe light
- 2 Turntable platter and rubber mat
- 3 Turntable shaft
- 4 Counter weight
- 5 Stylus pressure gauge
- 6 Anti-skating device
- 7 Cue stick
- 8 Arm-rest
- 9 Tonearm
- 10 Speed control knob (45 rpm)
- 11 Speed control knob (33 1/3 rpm)
- 12 Speed selector
- 13 Reject button
- 14 Headshell

The cartridge and stylus are optional and may not be included in the unit depending on the destination.



ASSEMBLY

- 1 Set the main body on surface.
- 2 Put on the platter.
- 3 Hook the belt on the capstan.
- 4 Lay the rubber mat.
- 5 Install the headshell.
- 6 Install the counter weight.

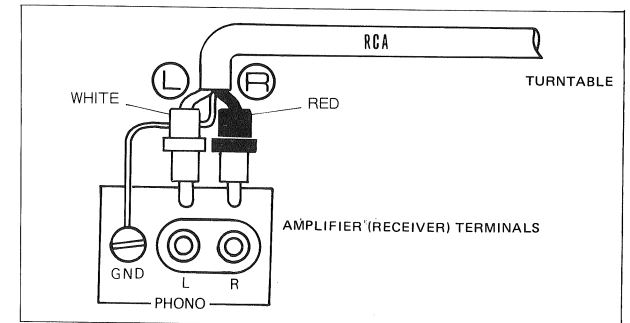


LOCATION

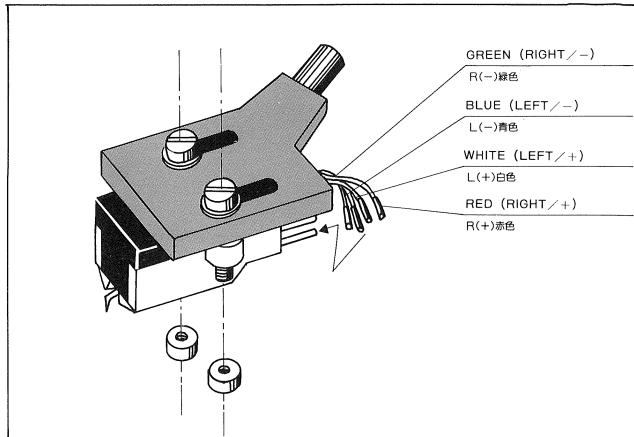
The turntable can be set on any flat surface as long as the location selected will not be affected by excessive heat, humidity, vibration and dusts. Do not place the turntable near appliances that utilize electric motors or large power transformers, or directly on speaker boxes.

CONNECTION

Connect the output cables to the input terminals of your amplifier or receiver marked PHONO or MAG (if marked otherwise, make sure they are magnetic phono input). Insert the power source plug into an AC outlet (usually the AC outlet supplied at the back of the amplifier or receiver).



ARRIDGE INSTALLATION



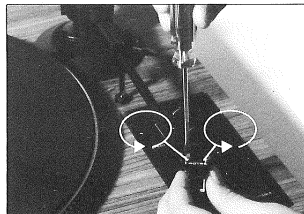
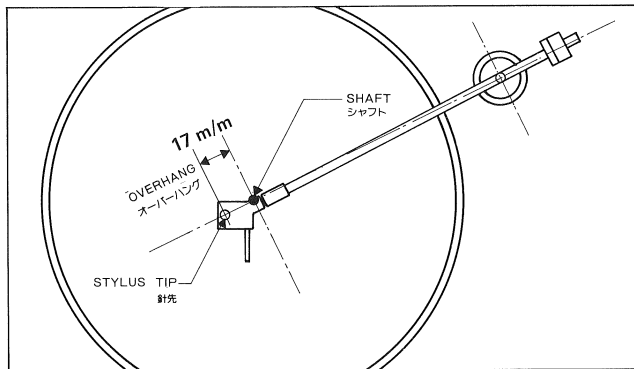
VERHANG ADJUSTMENT

As shown in the illustration, overhang indicates the distance that the needle projects beyond the center shaft of the turntable along a line drawn from the fulcrum point of the tonearm through the center of the turntable. When this overhang position is not in proper adjustment, the cartridge needle will not be able to track the record grooves properly.

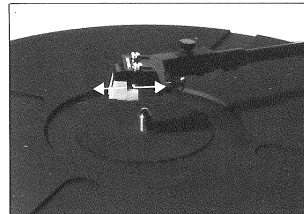
Adjust Overhang:

- Loosen the two cartridge mounting screws.
- Position the tonearm over the center shaft of the turntable platter.
- Slide the cartridge forwards or backwards until the position of the needle corresponds to the specified distance from the center shaft. (refer to figure) This distance may be conveniently determined by attaching the furnished overhang alignment protractor to the central shaft.
- After correct overhang has been determined, firmly retighten the two cartridge mounting screws.

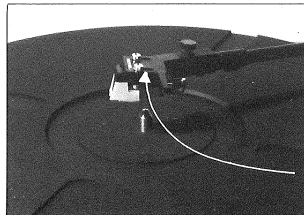
NOTE: Be careful not to let fingers come into contact with the point of the needle.



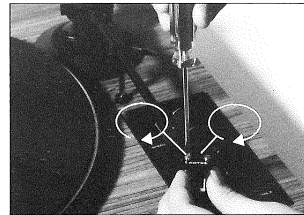
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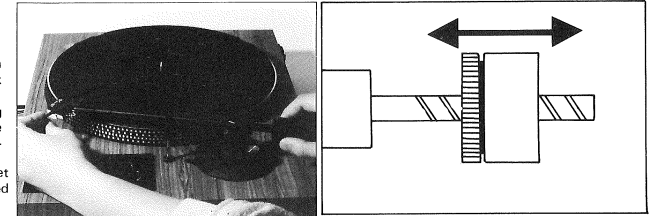
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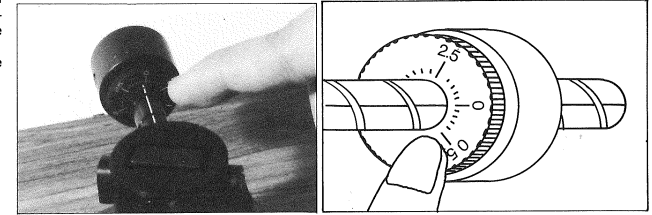
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STYLUS PRESSURE ADJUSTMENT

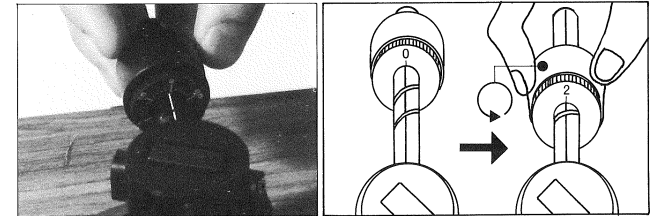
- Adjust the counterweight so that the tonearm will be balanced horizontally (the cueing stick must be at down position).
- After the horizontal balancing, turn the gauge ring only and set to 0 (zero) position in line with the marker on tonearm (do not touch the counterweight).
- Turn the counter weight counter-clockwise to set the reading on the gauge ring to the designated stylus pressure (grams) of your cartridge. If using our Rotel 2RC-5 cartridge, the pressure is 2.0 grams. The gauge is graduated into 0.1 gram step, and one clockwise revolution of the counterweight means 3grams. Do not touch the gauge ring, as it will turn with the counterweight.
- Turn and set the anti-skating knob to the value same as the stylus pressure of your cartridge.



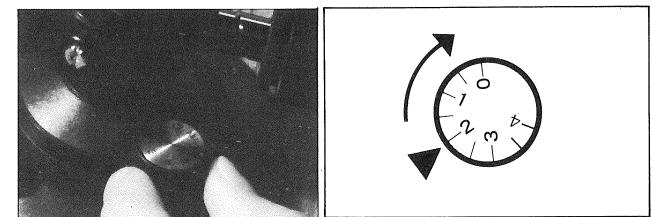
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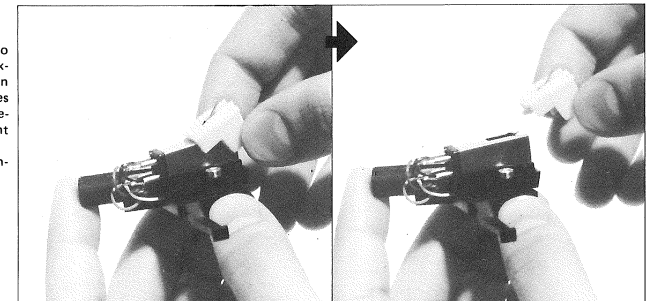
(3)



(4)

STYLUS REPLACEMENT

Diamond stylus is usually good for about 500 to 1,000 hours of continuous playing, but the life expectancy of the stylus varies greatly depending on how it is used. A worn stylus will cause treble tones to be distorted and harsh, so the stylus must be replaced. Be sure to obtain the correct replacement stylus matching to your cartridge. The proper replacement stylus assembly can be inserted readily into the cartridge.



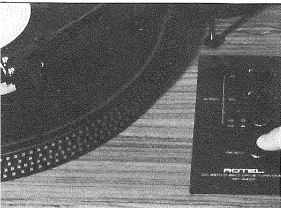
Removing the stylus assembly (typical).
Reverse the procedure when installing.

OPERATION

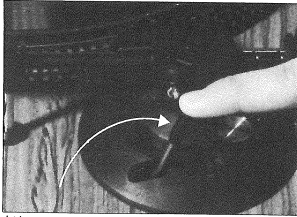
Lift the cueing device UP.
Place the record on the turntable.
Set the speed selector to 33-1/3 or 45 rpm, depending on the speed of the record.
Swing the tonearm carefully to be a position directly over the starting grooves of the record. This will turn the power on.

If necessary, fine-adjust the turntable speed using the strobe light and the platter rim edged with the strobe marks. Turn the speed control knob (corresponding to the rpm of the speed selector setting) so that the row of strobe marks for the relevant rpm is "frozen" into place. "-" on the speed control knob stands for SLOW, which reduces the rotation speed, and "+" for FAST to increase the speed. The adjusting range is $\pm 4\%$. Lower the cue lever forward to DOWN, allowing the tonearm to descend smoothly onto the starting grooves of the record. (playing starts.)

When the transcription is finished, the tonearm automatically returns to the arm-rest and switches off the power.



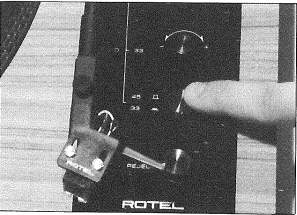
Whenever you wish to interrupt or terminate play, push the REJECT button.



(1)



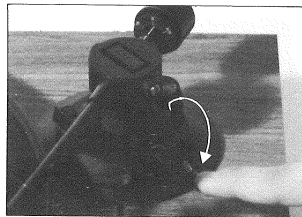
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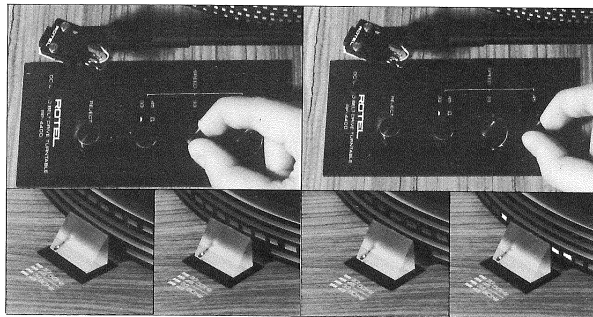
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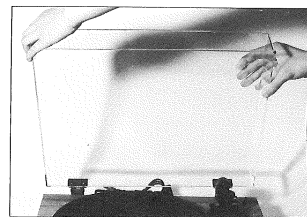


(5) 50Hz/33-1/3 rpm

60Hz/33-1/3 rpm

50Hz/45 rpm

60Hz/45 rpm



● DUST COVER

The dust cover can be easily detached. Note it is free-stop from about 30° to 60° angle.

4-CHANNEL CAPABILITY

The output cables are low-capacitance type enabling you to listen to discrete 4-channel sound reproduction. If you already have a 4-channel amplifier or receiver (with CD-4 demodulator), you only need to add a CD-4 type cartridge in completing a genuine 4-channel system.

MAINTENANCE

- Do not stop the rotating platter by force.
- When replacing cartridge or stylus, make sure the power is off on both the turntable and the amplifier or receiver.
- Keep the stylus tip clean of dust. Use a soft brush and never use fingers.
- Clean your records frequently with suitable cleaner before playing.
- Do not move the turntable when it is operating.
- Clean the cabinet and the dust cover with a soft dry cloth.
- Ensure the turntable body is located on a solid level surface.

HOWLING AND HUM

Howling is usually caused by vibration of speakers which affects the sensitive cartridge. If such phenomenon occurs, relocate the turntable or speakers away from each other as much as possible.

Hum is usually caused by imperfect grounding (earthing) of the turntable. Check if the turntable is properly grounded to the amplifier's ground. Hum will also be induced when the output cables are too close to the amplifier's power transformer, so locate the cables away. Sometimes, you can eliminate a hum by unplugging the AC plug and plug it back in reverse.

SPECIFICATIONS

MOTOR AND TURNTABLE

MOTOR	FG DC servo motor
DRIVE	Belt-Drive
SPEEDS	33-1/3 and 45 rpm
WOW AND FLUTTER	0.04% (JIS WRMS)
SIGNAL-TO-NOISE RATIO	Better than 68dB (IEC-B) Better than 68dB (DIN-B)
PLATTER	Aluminium diecast (310mm diameter with strobe rim)

TONEARM

TYPE	Static-balanced Straight pipe arm, with plug-in headshell, oil-damped cueing device, direct-readout stylus gauge counter weight, anti-skating device.
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OVERHANG	17mm
TRACKING ERROR	+2.4° -1.2°

SUITABLE CARTRIDGE

WEIGHT	Minimum 4g-maximum 12g
SUITABLE STYLUS	

PRESSURE	Minimum 1g-maximum 3g
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MISCELLANEOUS

POWER REQUIREMENT	120V/60Hz
DIMENSIONS (OVERALL)	450(W) x 130(H) x 350(D)mm
WEIGHT (NET)	5.8kg/12.76 lbs
Power Consumption	3 watts (Max.)

Note: Specifications subject to change for improvement without prior notice.

