

Owner's Manual

Semi-Automatic Belt Drive Turntable

RP-1100Q

ROTEL®



INTRODUCTION

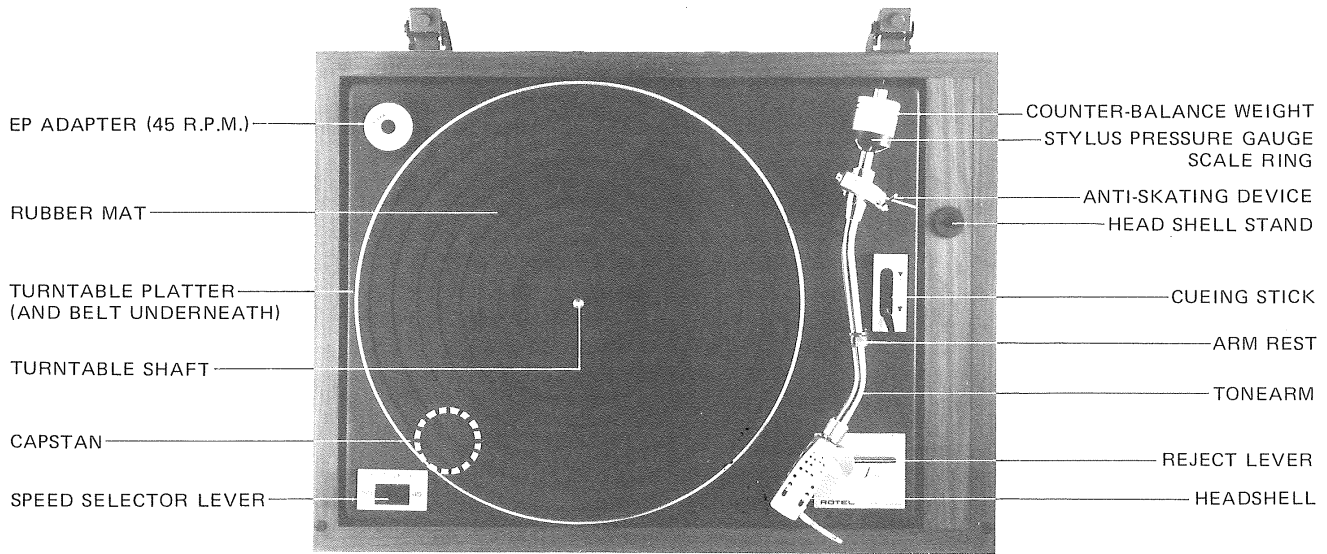
We would like to take this opportunity to thank you for purchasing our Rotel RP-1100Q Stereo Turntable. We believe RP-1100Q is a highly competent system aimed for those who truly love the fresh stereophonic sound of records. Being very professional, RP-1100Q has to be manually operated in order to let you take a very good care of records for always maximum performance. Although it comes with an exceptionally good magnetic cartridge (with natural long-life diamond stylus), RP-1100Q can easily handle better or best magnetic cartridges if you wish to step up your system. At any rate, you will be satisfied every time you listen to your favorite records on RP-1100Q.

In order to obtain the full use out of your turntable, please read all of 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.

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

Figure 1



Cartridge and stylus are optional and may not be included in the unit depending on the destinations (for U.S.A., they are not included).

CHECKING AND LEARNING

CHECKING CARTON CONTENTS

You will find the following items inside the carton:

1. Rubber Mat
2. Turntable Platter and Belt
3. Head Shell
4. Counter-Balance Weight with Stylus-Scale Ring
5. 45 r.p.m. EP Adapter
6. Turntable Assembly Base
7. Dust Cover

Check these items before starting to assemble the turntable.

LEARNING PARTS NOMENCLATURE

It is much easier to assemble and use the player if you know the nomenclature of the various parts. Take a few minutes to learn it by looking at Figure 1 and then the actual parts.

PREPARATION FOR ASSEMBLY

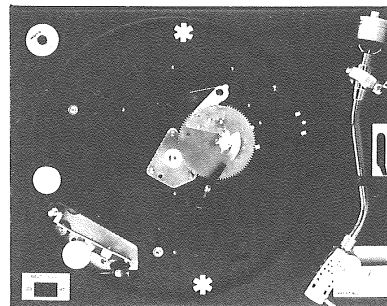
Your unit is well protected against vibration or impact during transportation. The turntable assembly body and the phono motor are firmly fixed by screws, and the turntable, the cartridge and the counter-balance weight are separately packed. Accordingly, make the following preparations before assembling.

1. Loosen the screws clamping the turntable body, so that the body "floats" on the springs underneath. Remove the screws clamping the the phono motor with a screwdriver or a coin. See Figure 2 for the locations of the screws.

2. Set the blank section of the center gear opposite the turntable shaft by manually rotating the gear. Push the trip of the gear inward as shown in Figure 3.

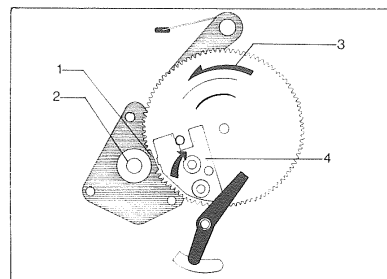
Never turn the gear and the turntable in the opposite direction of normal rotation.

NOTE: Always clamp the turntable body and fasten the phono motor with the screws when moving the unit for considerable distance.



- SCREWS CLAMPING MOTOR
- * SCREWS CLAMPING TURNTABLE ASSEMBLY BODY

Figure 2



- ① BLANK SECTION
- ② SHAFT
- ③ GEAR ROTATION
- ④ TRIP

Figure 3

ASSEMBLING

TURNTABLE AND BELT

1. Find the Belt around the Drive Rim of the Turntable (Drive Rim is on the backside of the Turntable). Wipe clean any dust and oil from the Belt. Also, make sure there is no dust in the center hole of the Turntable platter and on the surface of the Turntable to avoid inclined setting of the platter.
2. Put the Turntable on the Turntable Assembly Body. Loop the Belt around the Capstan and the Drive Rim, making sure that the Belt passes through the center of the belt guide. Make sure the Belt will be on the narrowest part of the Capstan when the Speed Selector Switch is on 33 1/3 r.p.m., and on the wide part when 45 r.p.m. See Figure 4 for looping the Belt.
3. Place the Rubber Mat with the smooth surface down on the Turntable platter.
4. place the Center Spin Plate on the Rubber Mat.

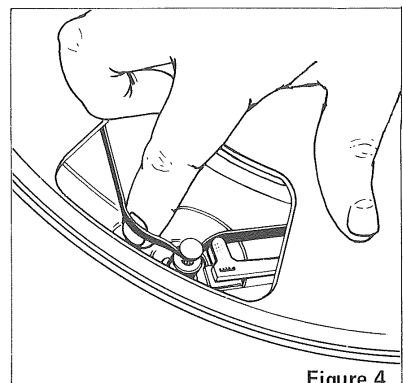
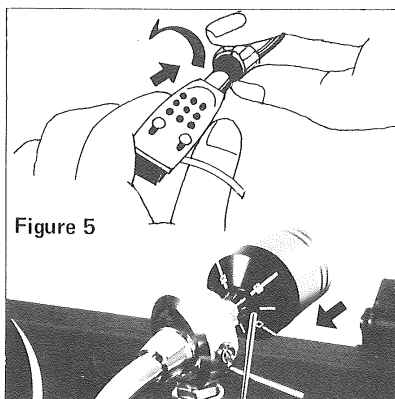


Figure 4

TONE ARM

1. Plug the Head Shell (with its pre-equipped cartridge) into the front end of the Tonearm, and secure it by turning the Lock clockwise (wipe clean all dust from the connecting points of the Head Shell and leave the Stylus Cover on when handling). See Figure 5.
2. Insert the Circular Counter-Balance Weight about 3/4" into the end portion of the Tonearm. The weight moves forward to clockwise revolutions and backward to counter-clockwise revolutions. See Figure 5.



ADJUSTING

ADJUSTING STYLUS PRESSURE

1. Remove the Stylus Cover.
2. Lift the Tonearm off the Arm Rest and move it to an unsupported position for balancing. Move the Counter-Balance Weight forward or backward by revolving or sliding it, until the Tonearm is perfectly balanced horizontally at the Arm Stand. At this position, the stylus pressure is zero.
3. Hold the Counter-Balance Weight in this adjusted position and set the zero scale of the Stylus Pressure Gauge Ring exactly to the red indicator mark on the Tonearm. Do not turn the Counter-Balance Weight while revolving the Stylus Pressure Gauge Ring. This completes the horizontal balance adjustment and zero setting of the Arm.
4. The Standard stylus pressure normally is 2.5 grams, so choose a force within this range to suit your taste. Since the scale of the Stylus Pressure Gauge Ring is graduated into 1-gram step, you can obtain 4 grams by one clockwise revolution of the Counter-Balance Weight (in this case, do not turn the Gauge Ring itself, but turn the Weight which will also move the Ring). Line up the reading to your desired setting.

OPERATION

CONNECTING TO A STEREO-PHONIC AMPLIFIER

1. Connect the output plugs of RP-1100Q to the input jacks of your amplifier marked PHONO or MAG (if marked otherwise, make sure they are magnetic phono inputs). See Figure 6.

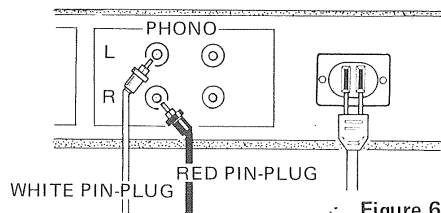


Figure 6

2. Plug the white output pin of RP-1100Q's pick-up cord into the jack of the Left Channel PHONO inputs of the amplifier.
3. Similarly, plug the red output pin into the jack of the Right Channel PHONO inputs of the amplifier. You do not have to "Ground" the turntable, as the Ground lead is already wired to the cord of the red output pin-plug of the turntable.
4. Insert RP-1100Q's power source plug into an AC outlet (usually plug into the AC outlet supplied in the back of the amplifier).
5. Now lower the cueing stick to downward position. The Tonearm will descend slowly, lowering the Stylus gently to the revolving record. This will start the transcription.
6. When the transcription is over (The motor will not stop when the Stylus runs over the final musical groove of the record) the Tonearm will automatically rise slowly, lifting the Stylus from the record, and returns to the Arm Rest. The motor will also shut off automatically when the Arm is swung back to the Arm Rest.
7. Whenever wish to interrupt or terminate the play, move the Reject Lever on; then the Tonearm will automatically return to the Arm Rest.

OPERATING THE TURNTABLE

1. Set the Speed Selector Lever to to the r.p.m. speed of the record to be played.
2. For donut-type record which has a large center hole, place the 45 r.p.m. EP Adapter over the Center Shaft.
3. Put the record to be played on the Turntable.
4. Lift the cueing stick to upward position.

5. Grasp the Finger Hook and swing the Arm to a position where the Stylus is directly over the starting groove of the record. This will activate the power on.

MAINTAINING THE TURNTABLE

POSITIONING OF THE TURNTABLE

1. To avoid Howling
If place too close to the speakers, the sensitive Cartridge may pick up speaker vibrations. This is often the cause of abnormal howling heard during the playing of records. To insure best performance, do not place RP-1100Q too close to the speakers.
2. To Avoid Induced Humming
The magnetic Cartridge is usually susceptible to the influences of the nearby electromagnetic field — if too strong, such field will induce humming. Hence, avoid placing RP-1100Q near appliances that utilize electric motors or large power transformers. When connecting RP-1100Q to your amplifier, it is preferable to position the turntable in such a way that the power transformer in the amplifier will be farthest from the Cartridge.

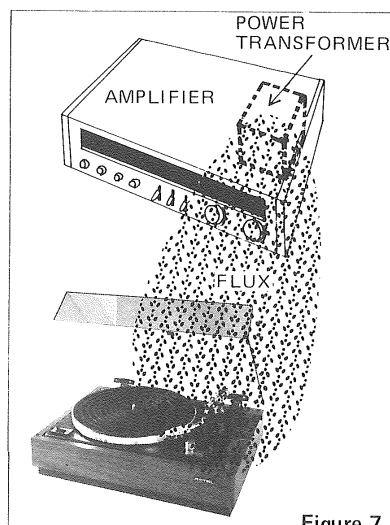
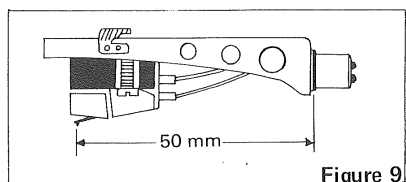
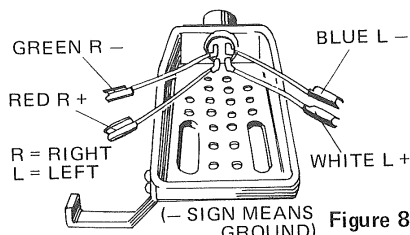
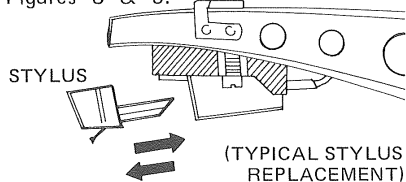


Figure 7

FITTING STYLUS

Diamond stylus is usually good for about 500 to 1,000 hours of continuous playing (approximately 1,000 to 2,000 LP records), 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. You can obtain the replacement from the dealer from whom you purchased this turntable. New stylus assembly can be readily inserted into the Cartridge, after you have removed the old one carefully out of the Cartridge.

If you wish to replace the whole Cartridge (with the Stylus) or with another kind of cartridge, just unscrew the Cartridge from the Head Shell and insert the replacement. Note you must change the Stylus Pressure Gauge According to the specification. Be sure you obtain the correct stylus pressure when cartridges different from the one used previously. See Figures 8 & 9.

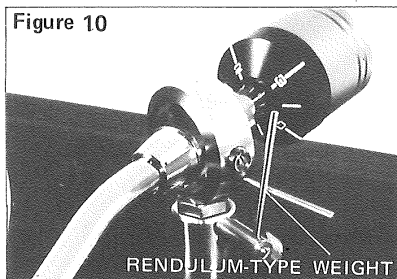


HEAD SHELL STAND

If you have other head shells with cartridges, insert them to the convenient Head Shell Stand provided. Just plug the neck of the head shell into the stand. Your cartridge and stylus may also be protected from unexpected damage.

ANTI-SKATING DEVICE

ANTI-SKATING DEVICE is located at the right side of the base of tone arm. Flip the pendulum-type weight up to rest on the horizontal holding bar in order to effect the ANTI-SKATING action. This will keep the stylus movement outward instead of



inward and assure smooth transcription. The device is automatically adjustable to the stylus pressure even lower than 2.5 grams. Leave the weight off the holding bar when balancing the tone arm or when the stylus pressure is 1.5 grams.

4-CHANNEL CAPABILITY

Low capacitance wiring of 75pf is used with a unit to accept CD-4 cartridge enabling discrete 4-channel sound reproduction.

CAUTIONS

1. Do not turn the Turntable Platter by hand.
2. Do not stain the Turntable Belt with grease or oil. Should this happen, immediately clean the stained portion thoroughly with a soft cloth moistened with alcohol (or benzine or carbon tetrachloride solution).

3. When replacing cartridge or stylus, turn the volume off of the amplifier connected.
4. When cleaning the stylus tip, use a soft brush and never use fingers.
5. Clean the cabinet and dust cover with soft cloth moistened with alcohol, but never with organic solvents such as thinner.

SPECIFICATIONS

TURNTABLE SECTION:

TURNTABLE PLATTER:

double rim platter of diecast aluminum alloy, 12" outer diameter, 1000g weight

DRIVING MOTOR:

4-pole hysteresis synchronous motor

POWER VOLTAGE:

110 volts (usable 100 to 120 volts) or 220 volts (usable 200 to 240 volts)

SPEED:

2 speeds, 33 1/3 and 45 r.p.m.

WOW AND FLUTTER:

0.1% (WRMS)

SIGNAL TO NOISE RATIO:

better than 45 db (overall)

TO NEARM SECTION:

ARM: static balance type S-shaped tubular tone arm, arm guide with cueing system, inside force cancelling device, circular counter-balance weight with stylus pressure ring for direct reading

TRACKING ERROR:

less than ± 1.5 degree

CARTRIDGE WEIGHT LIMIT:

4 to 8 grams

STYLUS PRESSURE GAUGE:

0 to 4 grams

SUITABLE STYLUS PRESSURE RANGE:

1.5 to 3.5 grams

HEADSHELL:

Plug-in type, light pressed aluminum alloy

POWER CONSUMPTION:

10W

DIMENSION (overall):

470(W) x 200(H) x 350(D) mm

WEIGHT (net):

7 kg/15.4 lbs

Note: features and specifications subject to changes for improvement without notice.

Quality. Uncompromised.

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Printed in Japan O 007-1-06