

OWNER'S MANUAL

RP-900

Belt-Drive Turntable

Belt-Drive Plattenspieler

Tourne-Disques a Entrainement

ROTEL®

INTRODUCTION

We would like to take this opportunity to thank you for purchasing our Rotel RP-900 Belt-Drive Turntable. We believe RP-900 is a high-performance manual 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.

WARNING: To prevent fire or shock hazard, do not expose this



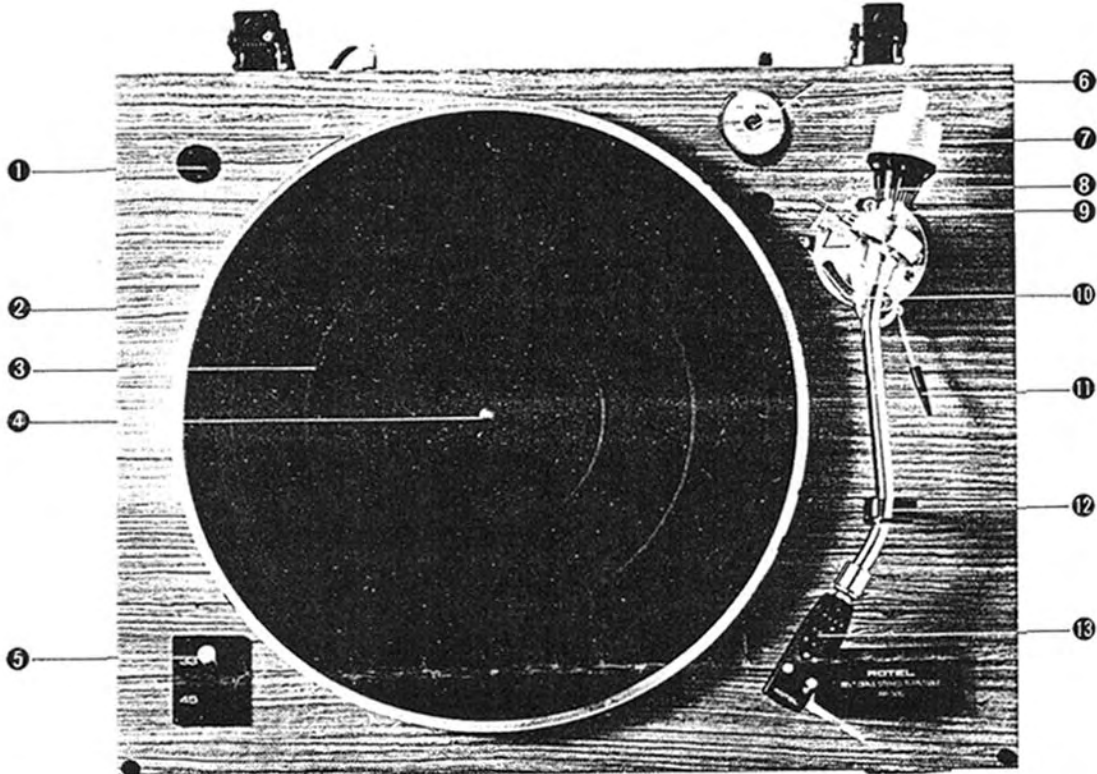


Fig. 1 Nomenclature

1. HEADSHELL STAND
2. TURNTABLE PLATTER
3. RUBBER MAT
4. TURNTABLE SHAFT
5. SPEED SELECTOR
6. EP ADAPTER (45 RPM) WITH OVERHANG GAUGE READOUT
7. COUNTER-WEIGHT
8. STYLUS PRESSURE GAUGE RING
9. ANTI-SKATING DEVICE
10. STRING-COUNTER-WEIGHT
11. CUEING STICK
12. ARM REST AND ARM CLAMPER
13. HEADSHELL

Cartridge and stylus are optional and may not be included in the unit depending on the destinations.

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. When connecting the turntable to your amplifier or receiver, it is also preferable to position the turntable in such a way that the power transformer in the amplifier or receiver will be farthest from the tonearm of the turntable.

PREPARATION

UNPACKING

When you open the carton, you will notice the turntable body and the dust cover packed in a vinyl bag enclosed by two styrofoam side mouldings. The turntable platter is packed separately underneath the mouldings. You will also find the following items included in either one of the above two packings:

1. A Headshell
2. A Rubber Mat
3. A Counter-Weight with Stylus-Gauge Readout and a String-Counter-Weight for anti-skating
4. A 45-rpm EP Adapter with Overhang-Gauge Readout
A small Screwdriver — for use in cartridge installation
6. Assortment of small screws and nuts — for use in cartridge installation

PARTS NOMENCLATURE

It is much easier to handle the turntable if you know the nomenclature of the various parts. Take a few minutes to learn it by referring to Figure 1.

ASSEMBLY

1. Set the turntable body on the flat surface of selected location.
2. 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.
3. Put the turntable onto the turntable body. Loop the belt around the capstan and the drive rim. Make sure the belt will be on the neck of the capstan. See Fig. 2 for looping the belt.
4. Fit the turntable platter firmly onto the turntable body (Note: make sure there is no dust in the center

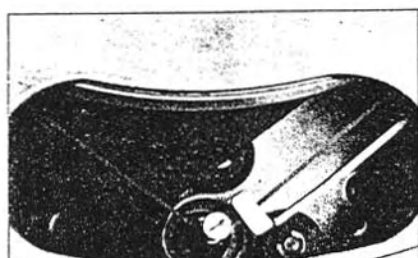


Fig. 2 Looping the Belt

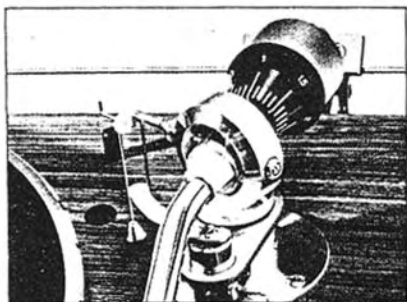


hole of the platter and on the spindle of the body beforehand).

5. Place the rubber mat on the turntable platter, after wiping dust, if any, off the backside of the mat.
6. Plug the headshell 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 headshell). See Figure 3.
7. Insert the counter-weight about $\frac{1}{4}$ inch (0.7 cm) by turning into the end portion of the tonearm. The weight moves forward by clockwise revolutions and backward by counter-clockwise revolutions. See Figure 4.
8. Pass the string of the string-counter-weight through the anti-skating guide and hook up to the anti-skating gauge bar at the inner-most notch temporarily. See Figure 4.

NOTE: See CARTRIDGE AND STYLUS section for cartridge installation and stylus pressure adjustment.

Fig. 4. Installing Counter-Weights



CONNECTION

The output cables of RP-900 come with 2 RCA-type pins. The procedures below should be followed for connection to your amplifier or receiver.

1. 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 inputs).

• AMPLIFIER OR RECEIVER TERMINALS

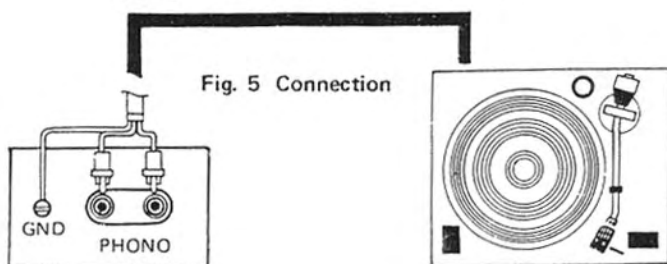


Fig. 5 Connection

Plug the RCA-type pins of the output cables to the phono jacks, the white-sleeve pin to the left channel input and the red-sleeve pin to the right channel input. Also connect the ground (earth) lead to the ground (earth) terminal post of your amplifier or receiver.

2. Insert RP-900's power source plug into an AC outlet (usually the AC outlet supplied at the back of the amplifier or receiver).

CARTRIDGE AND STYLUS

CARTRIDGE INSTALLATION

RP-900 has no cartridge installed, depending on destinations (e.g. cartridge is optional in U.S.A.). Regardless of whether cartridge is factory-installed or optional, the following procedures must be followed (they will have to be followed whenever you wish to replace cartridge). See Figure 6.

1. Unplug the headshell from the tonearm.

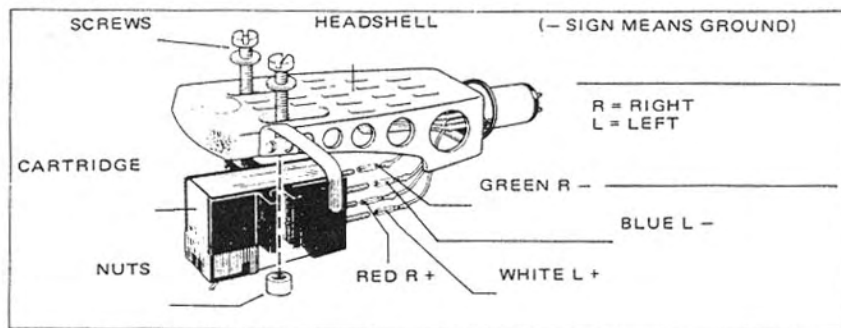


Fig. 6 Cartridge Installation

2. Screw the cartridge to the headshell not firmly so that the cartridge can be moved. Plug the connecting pins of cartridge to the headshell leads, with each lead connected to the corresponding pin.
3. Overhang adjustment must be made. Place the 45-rpm EP adapter with overhang-gauge readout on the center spindle of the turntable platter, and move the tonearm toward the spindle so that the headshell will be right on top of the EP adapter (be sure the cueing stick is lifted up). Slide the cartridge

SPECIFICATIONS

MOTOR AND TURNTABLE

MOTOR	4-pole synchronous motor
DRIVE	Belt-drive system
SPEEDS	33-1/3 and 45 rpm
WOW AND FLUTTER	Less than 0.1% WRMS
SIGNAL-TO-NOISE RATIO	Better than 50 dB
PLATTER	Full-size aluminum alloy die-cast platter (310 mm)

TONEARM

TYPE	Static-balanced S-shaped pipe arm, with plug-in headshell, oil-damped cueing device, direct-readout stylus gauge counter weight, anti-skating device
OVERHANG	15 mm
TRACKING ERROR	+3.5° ~ -0.25°
SUITABLE CARTRIDGE	
WEIGHT	minimum 4 g ~ maximum 14 g
SUITABLE STYLUS	
PRESSURE	minimum 0.75 g ~ maximum 3 g

MISCELLANEOUS

POWER REQUIREMENT	100/120V, 50/60Hz, or 220/240V, 50/60Hz (depending on destination)
POWER CONSUMPTION	maximum 10 watts
OVERALL DIMENSIONS	436mm (W) x 345mm (D) x 145 mm (H)