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Manual for the **THORENS** model **TD 111**

transcription
turntable

Congratulations to a new owner of a Thorens turntable

The new Swiss-made THORENS Model TD 111 transcription turntable is not just one more turntable among many others.

It incorporates some of the essential construction elements of the world famous TD 124 turntable and its basic performance is of the same very high quality.

The experience of more than a half century in the production of high-quality phonograph equipment, many years of leadership in the High Fidelity field and the traditional pride of our Swiss craftsmen for precision and finely finished work are conferring to the TD 111 its own outstanding character.

Before unpacking : a few simple rules for installation, operation and maintenance are enclosed in this manual. If you read them carefully, you will be able to immediately benefit by the outstanding performance of this instrument.

On this condition, we are confident that your TD 111 turntable will keep our promises and contribute innumerable hours to your enjoyment in the world of music.

Unpacking of the TD 111 turntable

- ① You have already placed the carton top-side up and opened.
- ② Take care that this manual and template No CB 1325 are not misplaced.
- ③ Take the complete unit out of the box, holding it by the unit plate.

Leave the cylindrical wedge between turntable and base plate until the TD 111 is completely installed. The non magnetic turntable, being a precisely machined part, should be protected against any shock, strain or pressure.

- ④ The paper bag with mounting hardware is at the bottom of the box.

IMPORTANT NOTICE

Save the complete packing for possible re-shipment. The TD 111 turntable is a heavy piece of equipment and would be seriously damaged if forwarded in an improvised packing. (Please, see our warranty conditions on the enclosed card.)

When repacking...

shipping or moving your TD 111, the cylindrical wedge should always be placed into position. This wedge should be saved for future transporting.

Installation

For mounting the **TD 111** turntable on a panel or a base and for installing the pick-up arm, follow the instructions of template **CB 1325**.

POWER SUPPLY

As supplied to **USA** and **Canada**, the **TD 111** turntable motor is set for **60 cycle, 100 to 120 volt** operation.

For **50 cycle**, 100 to 120 volt operation, a special motor pulley (CB 1303) is available as accessory upon request.

For **200 to 250 volt** operation, a step-down transformer should be used (motor consumption: 15 watts maximum) or a serie resistor of 1000 to 1100 Ohms 120 mA (20 watts).

Important notice. The motor pulley has been dynamically balanced to very close tolerances at the factory. If reassembling is necessary first tighten the black screw and then the nickel plated one.

GROUND CONNECTION

For best results, the pick-up arm ground should be connected to the ground lug underneath the **TD 111** unit plate.

Operation

To start the turntable, move the « Start-Stop » knob to the « Start » position.

The TD 111 turntable is supplied for 33 1/3 r.p.m. operation. This speed may be very precisely adjusted, over a margin of about $\pm 3\%$ by means of the coaxially mounted speed adjusting knob.

Check the speed with the stroboscope and adjust with the speed adjusting knob. (Please make certain that the 60 cycle (for USA and CANADA) side of the stroboscope is face up when checking speeds).

The final speed adjustment may be made while the record is playing.

To stop the turntable, move the « Start-Stop » switch to the « Stop » position. The motor is switched off and the idler wheel is disengaged from the stepped pulley and from the turntable. **For this reason, the « Start-Stop » knob should always be used to turn off the turntable and not an external electric switch,** otherwise the rubber tire of the idler wheel could progressively lose its perfectly circular shape and develop noise.

Maintenance

1 TURNTABLE SPINDLE

The turntable spindle revolves on special bushings and on a nylon thrust plate. A sufficient lubricant reserve is foreseen for the whole life of the unit under normal use conditions. If a new lubrication is nevertheless necessary, use **Caltex or Texaco Regal Oil B**.

Notice. If dust, lint or grit have been allowed to come inside of the bearing, it should be disassembled from the base plate. To do this, loosen the three screws located on the upperside of the base plate, around the bearing. Wash thoroughly both the bearing and the turntable spindle with the recommended oil.

2 STEPPED PULLEY

The bearing of this pulley is of the oil retaining type and rarely needs lubrication. If lubrication is required, please proceed as follows:

1. Place the « Start-Stop » knob on the « Stop » position. Carefully remove the turntable.
2. Remove the rubber idler wheel from its spindle.
3. Carefully lift up the pulley from its spindle.
4. Turn the pulley upside down and introduce Caltex Starfak grease inside of the bearing. (If the recommended lubrication does not assure a noiseless functioning of at least 500 hours, use Industrial Castor Oil.)
5. See underneath for proper mounting of the idler wheel.

3 IDLER WHEEL

The bearing of this wheel is of the oil retaining type and rarely needs lubricating. When necessary, introduce two to three drops of recommended oil on top of the bushing, between the stop ring and the wheel. The idler wheel should be perfectly free on its spindle; see that an axial play of about $1/64$ " is present between the stop ring and the wheel.

Thanks to the exclusive design of the turntable drive of the TD 111 as well as to the special synthetic rubber tread of the idler wheel, this latter will last indefinitely if the complete operating instructions of this manual are followed.

4 RUBBER BELT

The specially developed synthetic rubber belt running on very large diameter pulleys will not, under normal use, be subject to wear or deformation.

5 MOTOR

The motor bearings are of the oil retaining type with large oil reserve in felt pads. Under normal use conditions, the initial lubrication made at the factory should be sufficient for about 5000 hours run. When the need for a new lubrication becomes apparent, proceed as follows:

Upper bearing

Place a few drops of recommended oil on top of the bearing, where the shaft comes out of the top motor shield.

Lower bearing

Oil should be put on the lower part of the shaft, underneath the rotor. This lower part can be reached with a pressure oil can through the lubrication hole, on the side of the bottom motor shield.

Notice. For turntables of the first series without this lubrication hole, the shaft can be reached through the holes on the bottom of the shield.

IMPORTANT NOTICE

To function perfectly, the following parts of the drive system of the TD 111 turntable should be entirely free from any trace of oil or grease on their external working surfaces: the motor pulley, the stepped pulley, the idler wheel, the rubber belt and the inner skirt of the turntable. Therefore any excess of lubricant may interfere with proper operation. If the presence of oil or grease on the mentioned parts is suspected, they should be thoroughly cleaned with a clean rag impregnated with denatured alcohol.

6 LUBRICATION KIT

A special Lubrication Kit is available from your dealer containing the proper oils in reasonable quantities. Under no circumstances should any other type of oil be used.

Certificate

OF ONE YEAR WARRANTY

Messrs. THORENS S. A., Sainte-Croix,
Switzerland and
ELPA MARKETING INDUSTRIES, INC.
Thorens Building, Garden City Park, N. Y.

Warrant that this new unit is as advertised and completely free from defects in material and workmanship.

Under the conditions listed on this card, no charge for repair or replacement will be made on any part which discloses defect within one year from the date of the original purchase.

ONE YEAR WARRANTY REGISTRATION

MODEL N°

Serial N°

(On unit plate, near motor pulley)

Date of purchase:

Price Paid

Name of dealer:

Address of dealer: City

State

YOUR NAME

and

ADDRESS City

State

To insure warranty, the above information must be completed and this card returned within 10 days after purchase.

*Our warranty is granted under the
following conditions:*

1. **Before returning the unit**, write to Elpa Marketing Industries, Inc., for permission to receive replacement parts or to return the complete unit to the nearest authorized service station. State model number and serial number of unit. Describe completely the defective operation and list the associated equipment.
2. After permission to return the unit is received, **pack it in the original carton according to the instructions of the manual, without tone arm and accessory base**. Shipment **MUST** be made shipping charges prepaid.
3. Any damage caused by failure to observe the instructions for packing, installation, operation and maintenance as contained in the manual and on the template furnished with each unit, by accident in transit or elsewhere, will not be covered by this warranty.
4. This warranty is not extended to units which have been repaired or altered by anyone other than an authorized service station.
5. The unit will be returned shipping charges collect.
This warranty is in lieu of all others, expressed or implied.

P O S T C A R D

Place
stamp
here

ELPA MARKETING INDUSTRIES, INC.

Thorens Building
New Hyde Park, New York

Warranty registration