

THORENS

INSTRUCTION MANUAL



disc-contact Vacuum Record Clamp

The *disc-contact* vacuum record clamp consists of:

- a special *disc-contact*-mat (T)
- a sealing disc @
- a vacuum puck (3)
- a vacuum pump with connecting tube and coupling (4)

Included as accessories are a clamp (5) for holding the tube when not in use and self-adhesive sealing foil @ for damaged record labels.

By employing reduced air pressure, the clamp presses the record firmly onto the turntable mat. Distortion and tonal colorations are thereby effectively prevented, especially with thin or warped records.

The advantage of the technique employed is that the platter bearing and spindle are not subjected to reduced air pressure during record play. Therefore, vacuum seals which could impair rumble and wow-and -flutter performance are not required.

Installation of the *disc-contact* Mat on THORENS Turntables (except TD 104/105 and TD 524)

To permit the rubber drive belt to be exchanged as required, the *disc-contact* mat is bonded only to the outer turntable platter.

1. Remove the standard turntable mat from the turntable platter. Clean the surface of the outer platter with denatured alcohol.
2. Press the sealing disc with the flat side facing upwards onto the turntable spindle. Clean the surface of the disc with denatured alcohol.
3. Peel off the inner protective paper ring from the underside of the *disc-contact* mat to expose the adhesive surface. Position the middle hole over the turntable spindle and press the center of the mat lightly onto the sealing disc.
4. Lift one side of the *disc-contact* mat from the rim of the turntable platter and peel off the half of the outer paper ring underneath. Press and stroke this section of the mat outwards to bond it to the platter without trapping air pockets in-between (Figure 2).
5. Peel off the second half of the outer ring from the other side of the mat and bond this section to the platter in the same manner as in step 4.

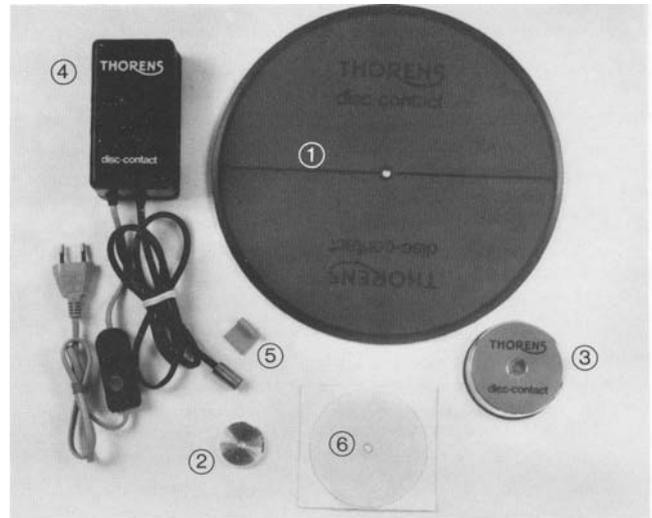


Figure 1



Figure 2

Installation of the *disc-contact* Mat on TD 104/105 and Other Turntables

The *disc-contact* vacuum record clamp may be used not only on THORENS turntables but also on many other units. It is necessary only that the surface of the turntable be completely flat between the rim and the spindle when the rubber mat is removed. (Holes and grooves in the platter are permissible.)

1. Remove the mat from the turntable platter and clean the entire surface of the platter with denatured alcohol.
2. Peel off the two inner protective rings (for the TD 104/105, only the innermost ring) from the underside of the *disc-contact* mat to expose the adhesive surface.
3. Holding the mat at the outer edge, position the middle hole over the turntable spindle and press the center of the mat onto the middle of the platter (Figure 3). Press and stroke the mat outwards to bond it to the platter without trapping air pockets in-between.
4. Lift one side of the *disc-contact* mat from the rim of the turntable platter and peel off the half of the paper ring underneath. Press and stroke this section of the mat outwards, taking care not to stretch it.
5. Repeat step 4 for the other half of the mat.

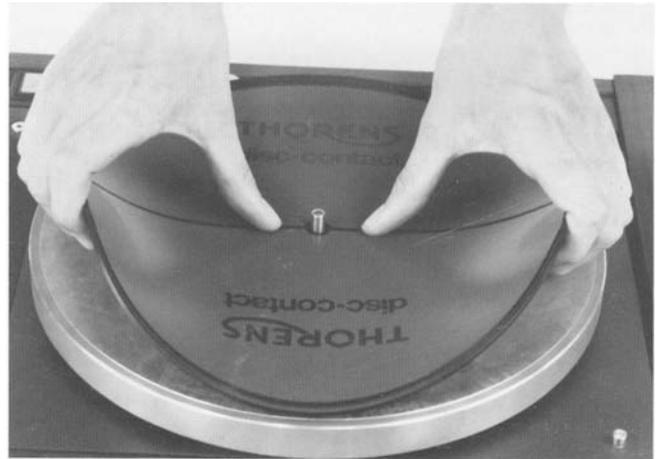


Figure 3

Installation and Connection of the Vacuum Pump

The pump should be installed near the turntable so that the vacuum puck at the middle of the platter may be easily reached with the vacuum tube. A location to the left of the turntable is the most suitable, since the tube will not interfere with the tone arm.

After the pump has been connected to the electrical mains, the *disc-contact* is ready for use.

In order to mount the holding clamp for the vacuum tube and coupling, peel off the protective foil and press the clamp onto either the (left-hand) side of the turntable base or another easily accessible location.

WARNING!

**To prevent fire or shock hazard,
do not expose this appliance to
rain or moisture.**

Operating the *disc-contact*

After laying a record onto the turntable, position the vacuum puck at the center of the record and push down over the spindle. Turn on the vacuum pump with the power cord switch.

Press the vacuum coupling over the rubber seal on the top of the puck (Figure 4).

The air will be pumped out from between the *disc-contact* mat and the record. This process takes about 15 seconds and is completed when the sound of the pump changes noticeably.

Switch off the pump, disconnect the vacuum coupling, and snap the vacuum tube into the holding clamp.

After record play has been completed, pull up the valve pin at the center of the vacuum puck. This releases the vacuum, enabling the puck and record to be removed normally.



Figure 4

Special Instructions

Always keep the *disc-contact* mat, particularly the sealing lip at the rim, free from dust and dirt.

The sealing ring of the vacuum puck should likewise be kept clean.

If the record fits too tightly around the turntable spindle, the air between the record and the *disc-contact* mat cannot be pumped out. To alleviate this problem, cut a small groove into the side of the record hole with a small scissors blade, a file, or other suitable tool.

If the label of a record is damaged, the self-adhesive sealing foil provided may be pulled away and pressed onto the label. Additional pre-cut sealing foil may be ordered from your THORENS dealer or directly from THORENS under the catalog number 4 277 002.

THORENS Factory Warranty

We warrant that we shall replace free of charge every defective part of this unit or repair it free of charge in our factory in one of our authorized service stations should a defect occur within the period of warranty. The warranty period is one year from the date of the original purchase.

The above warranty is valid only if the enclosed warranty card, duly filled out, be returned within 10 days after purchase to the THORENS General Representative in your country; his address will be provided by your dealer.

Should a defect appear within the warranty period, please contact your THORENS General Representative, describing completely the defective operation and quoting the Model and Serial Number of your unit. Defective parts which are user replaceable will be sent to you by mail. Otherwise you will be given the address of the service station nearest you or be requested to ship the unit directly to the representative.

In the latter case, please pack the unit using the original packing materials. Shipping costs must be prepaid.

Any damage caused by failure to observe the instructions contained in this manual as well as damages incurred in transport or shipping are not covered by this warranty.

This warranty will be invalidated by repairs or modifications made by anyone other than THORENS authorized service personnel. NB: Please observe possible complementary warranty conditions issued by our authorized general representatives.

The logo for THORENS, featuring the word "THORENS" in a bold, sans-serif font. A thick, curved line starts under the 'O' and sweeps under the 'S', ending under the 'S'.

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