

## Scheu Premier MK2 Assembly



Base Plate

First, unpack the whole package. You will find the **Base Plate** with three (3) threaded holes drilled in. These threaded holes are for the **Spikes**, which should be in the package as well - 3 pieces.



Put in the **Spikes** through the threaded holes as shown on the left, halfway for each, to allow for levelling adjustments later, either upward or downward. The Spikes are used to level the turntable (after the assembly).

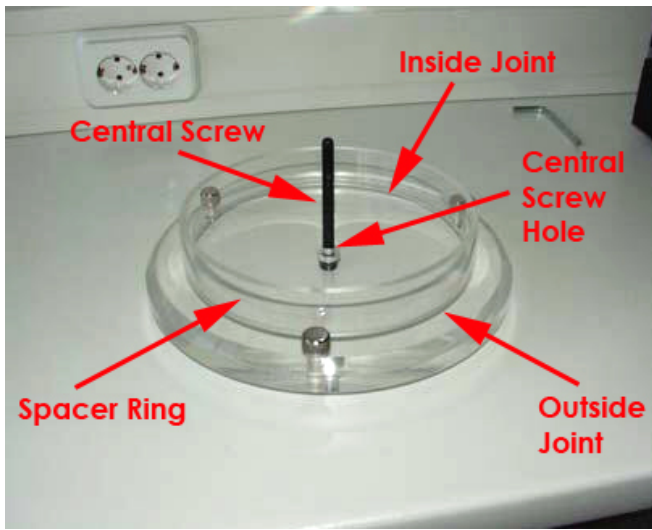


Insert the **Central Screw** into the center hole of Base Plate, all the way up. This Central Screw's head is the Hex type.

From below, secure the Central Screw on to the Base Plate by using a blob of Blu-Tack, to prevent the Central Screw from dropping under and from moving as well.

Notice that there is a **groove** milled into the Base Plate. This will hold the Spacer Ring, see below.

For the 80mm platter, the Central Screw is 110mm long, and shorter for the 50mm platter.



Position the **Spacer Ring** on the groove of the Base Plate, as shown on the left.

Then, apply **acrylic glue** with a small brush around the joint area of the **groove** and Spacer Ring, **inside** and **outside joints** (see photo on the left). Acrylic glue will seep in and spread into the groove to secure the Spacer Ring to the Base Plate, and it dries instantaneously in about 10 seconds. A 2nd coating on the inside and outside joints will secure Spacer Ring further to the Base Plate. Acrylic glue is transparent and can hardly be noticed. Be very careful, however, not to spill acrylic glue.

Alternatively, use elastic cement or transparent silicone, but only on the inside joint area, since it is much more noticeable than acrylic glue.

This exercise is to prevent sand or lead from spilling out.

Apply a thin layer of silicone around the Central Screw hole for the same purpose of preventing leakage of sand or lead.

For the silicone around the Central Screw, let dry completely, overnight.



Now wear some plastic gloves, put some lead on a basin, and pour these lead on the assembly, as shown on the left.



The photo on the left shows how it would look like once the lead is poured in.



Next step is to evenly spread the lead at the top and make it level. Use a brush, or any appropriate tool.

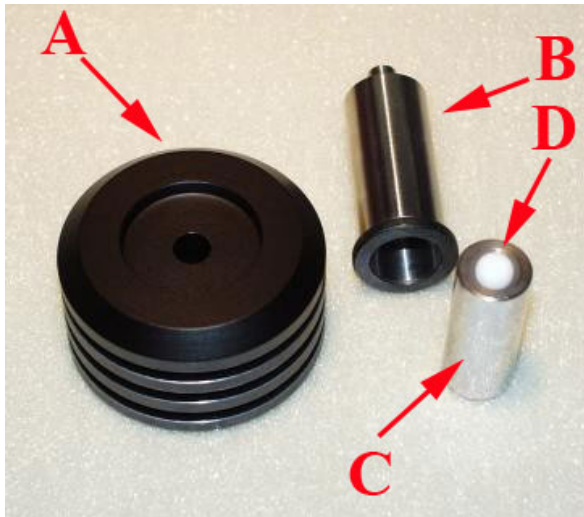


Now we approach the final point of assembly. Take the top of the Plinth and carefully put the screw through the hole. Gently press the Plinth against the Spacer Ring.

Twisting the plinth a little bit makes this procedure easier and makes sure that the lead shot is evenly spread.

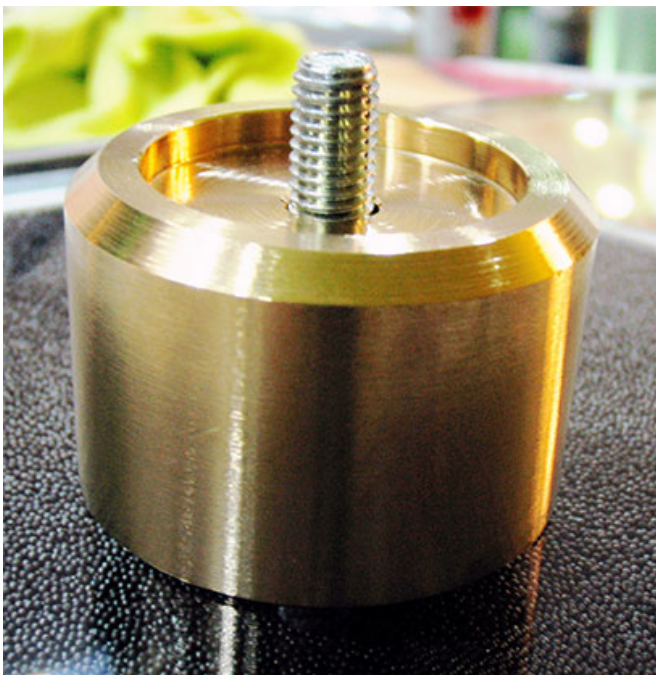
Position the plinth in such a way that you will have easy access to adjustments of all 3 spikes, for leveling the turntable later.

Note the red arrows which point at the intersection between the top of the spacer ring and the plinth. Take care not to have any lead shots stray into any part of this area. If you have the black plinth, you'll just have to lift the plinth to check.



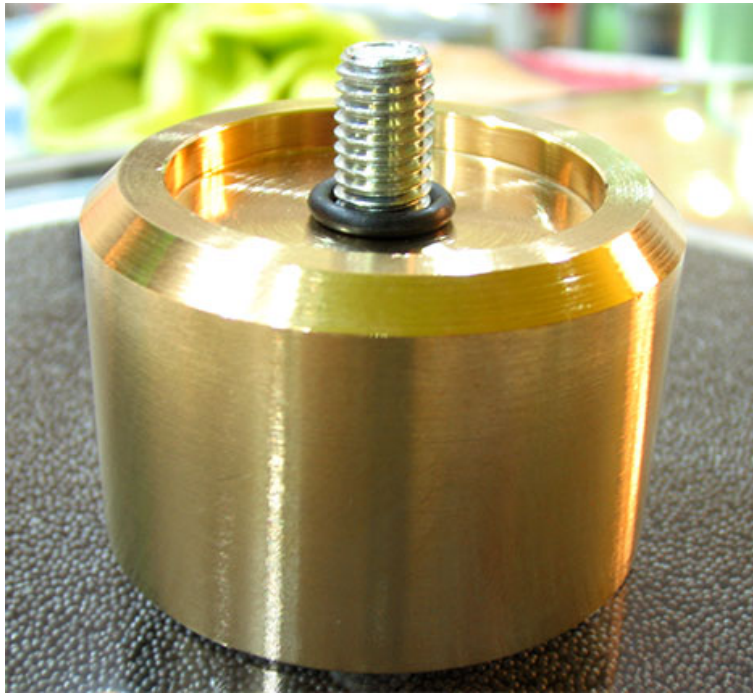
Shown on the left are the various parts of the bearing as well as the oil pan. Please note that the black oil pan has been discontinued and is now replaced with the brass one shown in the photos below.

- A: 80mm Oil Pan
- B: Outer Bearing
- C: Inner Bearing
- D: Ceramic Ball



Position the **oil pan** over the central screw on top of the plinth, shown in the photo.

The **oil pan** shown on the left is for the 80mm platter. The oil pan for the 50mm platter is a smaller piece. Instructions below also apply to the 50mm platter version.



Slip in the **O-ring seal** (rubber ring) to the screw, as shown in the photo. This is to seal any gaps and it prevents the oil from seeping out of the oil pan.

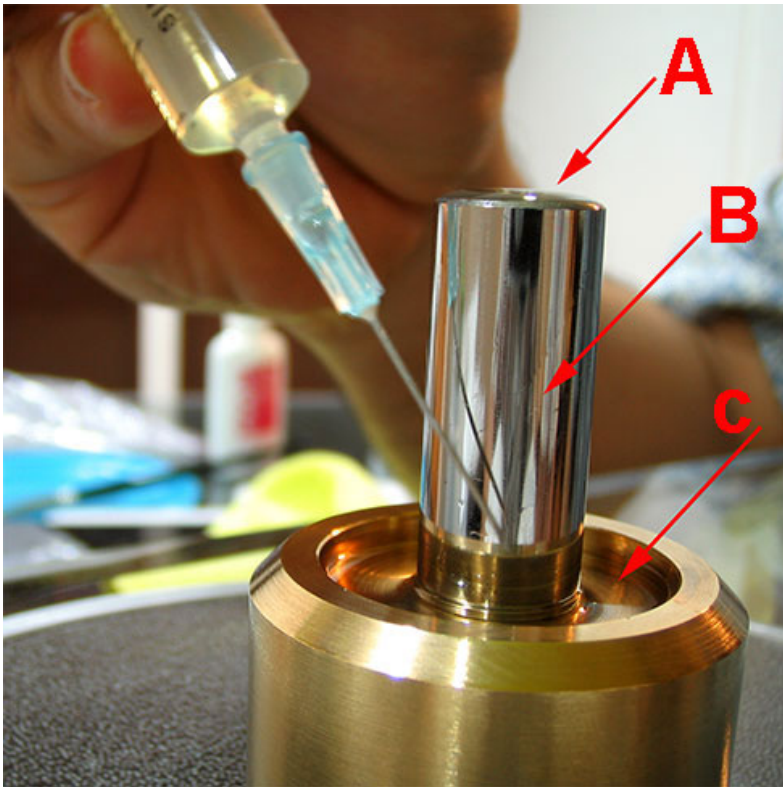


The **Inner Bearing** has threads that fit over the Central Screw.

Remove the ceramic ball from the outer bearing, and put it aside in a safe place. Screw in the **inner bearing** on the central screw as far as it will go. Then while cradling the turntable base itself on your lap or between two tables or chair edges, and keeping it horizontal, hold the **outer bearing** as tightly as you can, and have someone discard the blu-tack holding the Central Screw up, and tighten it further by using a hex tool on the central screw's head under the turntable base while you hold the **inner bearing**. Ask your assistant to tighten as hard as possible.

Of course, one can do it by oneself, just make sure care is taken to keep the turntable horizontal so the sand won't spill or go to the intersection areas mentioned above.

This will be how it would look like after tightening. The rubber O-ring is no longer visible.



Dispense the provided oil slowly into the bearing area, taking care not to spill oil.

First, dispense some into the **upper oil bath** (A), and let it fill and overflow into the **lower oil bath** (C) below. The **outer bearing shaft** (B) will in effect be lubricated as well from the overflow of oil from the upper oil bath (A).

Continue doing so until the lower oil bath is 2/3 full.

Now take the ceramic ball and drop it carefully on the **upper oil bath**.

Shown on the left is how it will look like after applying the oil.



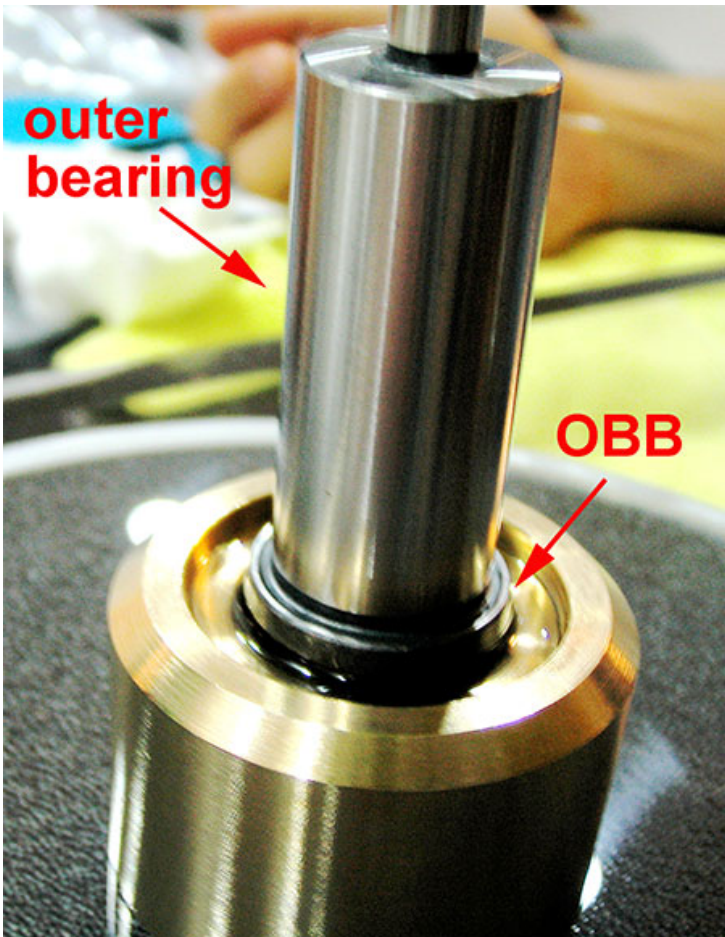
Below is a bird's eye view . The oil spill was deliberately included.





Wipe off any oil spill from the oil pan using tissue paper, which is good at absorbing, and is disposable.

If you get any oil spilled on the acrylic, use cotton balls dipped liberally with **denatured alcohol** to wipe off the oil. Then use dry cotton balls or non-scratch cloths to wipe dry.



Slip in the **outer bearing** over the inner bearing, as shown on the left. Note that the oil on the lower oil bath should be anywhere above the lowest part of the outer bearing base (OBB).

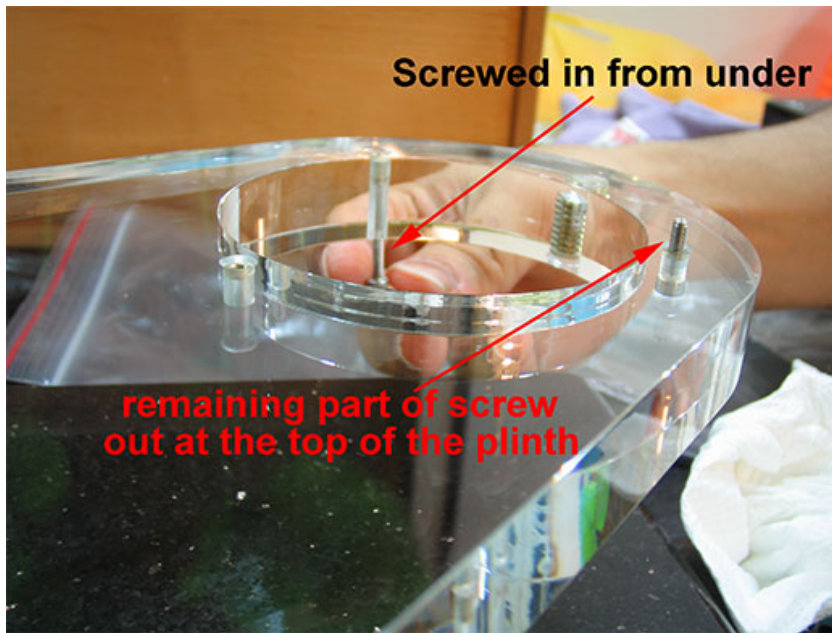
That's it for the bearing installation.

## Armboard Setup

The following may not be applicable in your area. We will be implementing the following as standard for Soundscape HiFi And Music's clients. If you want the same, please consult your dealers.

We recommend spacers, either in the form of another armboard or metal spacers. The intention is to have a more stable tonearm structure, as spacers minimize the height range of the tonearm's VTA adjustment.

The instructions below are for installation of the **Scheu metal spacers**.



The metal spacers are provided with the necessary screws. Screw these in from below the plinth into the three threaded holes, as shown on the photo.



Screw in the metal spacers onto the screws, as shown in the photo.



Shown on the left are the spacers after installing.

Now install the provided armboard above the spacers, securing them to the spacers with the provided screws.

Then mount the tonearm.

If you were setting up the turntable in a workbench, carefully carry it over to its own place in your hifi system area without spilling any oil. A good turntable support system is of course essential, whether one has suspended or non-suspended turntables.

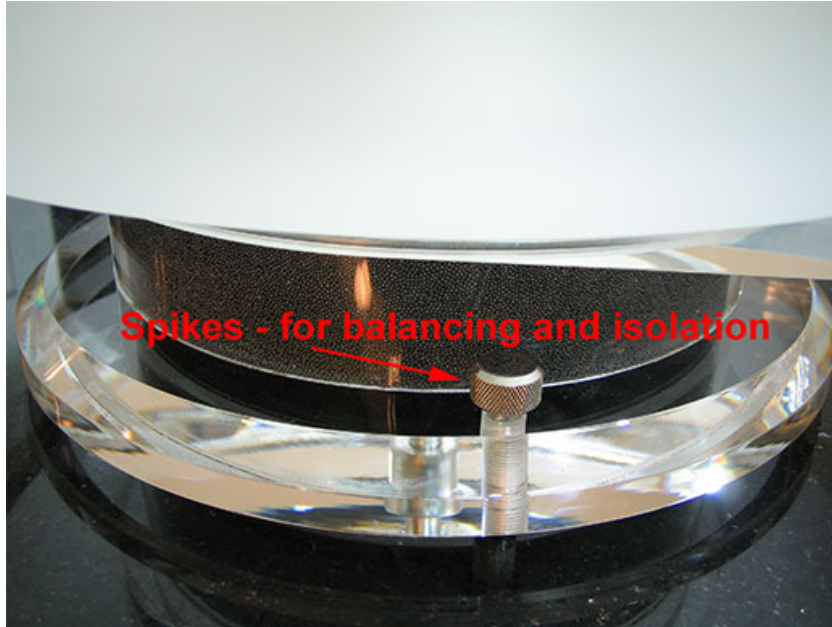
Carefully slip in the platter. if you purchased the turntable with the Scheu record weight, put a flat record on the platter and the Scheu record weight over the spindle. Otherwise, use an appropriate small good spirit level, preferably with both horizontal and vertical adjustments. Position this somewhere in the middle of the perceived path of the cartridge (no need for a flat record if a different spirit level is used).

Level the turntable by adjusting the 3 spikes on the turntable's base, as shown on the photo below.

Mount the cartridge and fine-tune arm adjustments.

Position the Scheu motor, preferably at least an 1-1/2 inches away from the platter, and make a string accordingly.

Tension of the spring should be just right, when both strings are pressed together, a total 1-inch displacement is good. This will result in a slower start-up, but it optimizes the sound. At any rate, you don't need to turn off the motor when changing records. However, it is recommended that the motor be turned off when a listening session is over.



String tension that's too tight will result in a more forward sound, and the knot will break faster.

Adjust the motor speed for 33-1/3 rpm and 45 rpm. Remember to adjust with cartridge stylus on the record. Recommended strobe to use is the **KAB Speedstrobe**, probably the best available today, at a decent price.

That's it ! Not very difficult.

Fine-tune the cartridge setup by using appropriate test records. We recommend the **HiFi News Producer's Cut LP** and the **Cardas test record**.

Hopefully, you have chosen good cartridges, tonearms, and phono stages; then, you will be rewarded with superb sound far beyond its retail price.

Enjoy !



