



MUNUAL

Bt Type

MH-9Bt2.0(MH-9Bt) / MH-10Bt2.0(MH-10Bt)

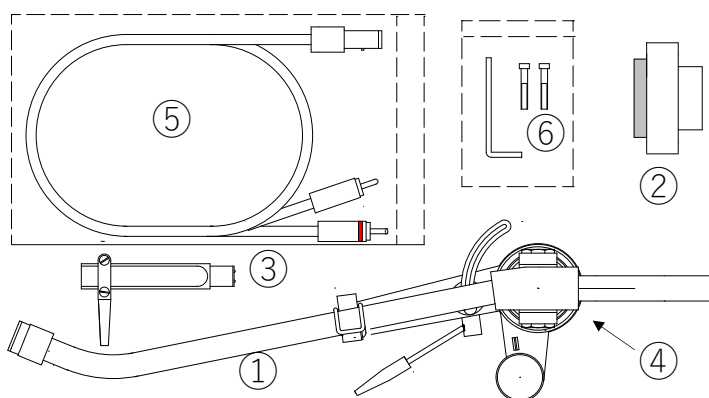
We thank you very much for your recent purchase of our leading edge tonearm.

Glanz is one of the best known of the legendary audio brands who held sway over the market in the days of analogue audio equipment. It has now been relaunched, and has returned to offer you the same quality listening experience you always had, allowing you to continue to enjoy your vinyl record collection, but with the added enhancements of modern technology.

In order for you to maximise your satisfaction with this product, we would highly recommend that you carefully read through the Owner's Manual, and follow instructions for the set-up and operation of this remarkable tonearm.

First of all, we would like you to identify and confirm the following items, which are included in this product package.

- ① Tonearm body
- ② Weight assembly
- ③ Headshell (Finger lever, 4 x lead wires, 2 x 26φ×12mm, screws, 2 x nuts)
- ④ Base for tonearm
- ⑤ Output extension cords
- ⑥ Small accessories (4mm hexagonal wrench, 2 x 2.6φ×16mm cartridge screws)
- ⑦ Mounting template for turntable
- ⑧ Instruction manual & warrant
- ⑨ Bt Type Guide



⑦



⑧



- ⑦ MOUNTING TEMPLATE (The pattern below is for a 10-inch arm)
A paper template matching the size of the purchased arm is included.



Warranty: for details, please ask your local dealer or GLANZLAB product distributor.

GLANZLAB Ltd.

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Specifications

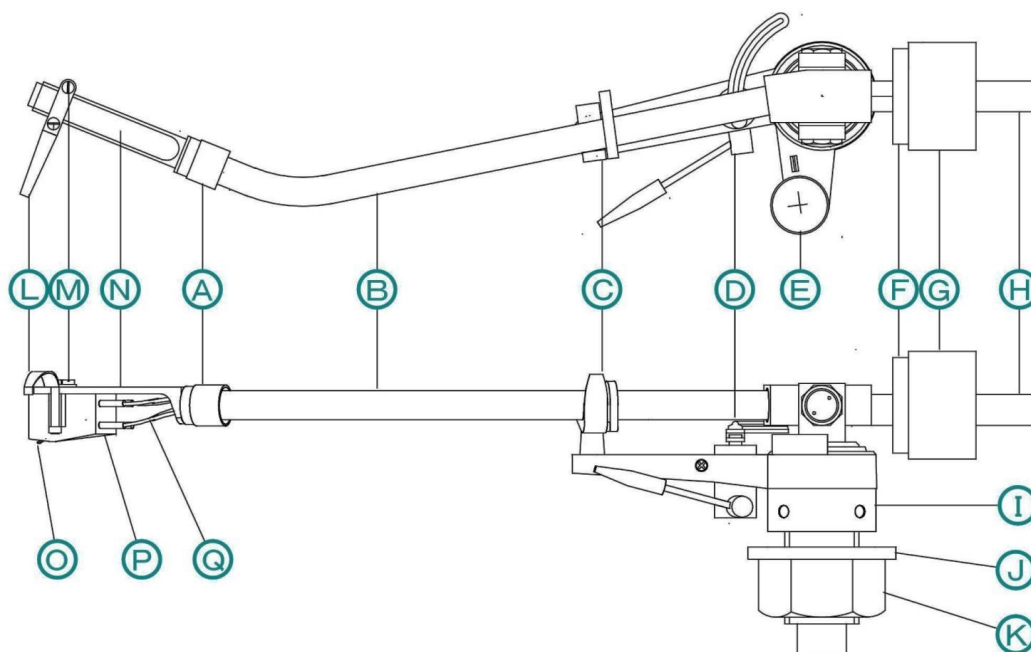
		MH-9Bt MH-9Bt2.0	MH-10Bt MH-10Bt2.0
1	Balancing	Static Balancing	
2	Total Length (*1)	252mm	277mm
3	Effective Length (from centre of tonearm Base to stylus tip)	229mm	254mm
4	Practical Length (from centre of tonearm Base to centre of turntable)	214mm	239mm
5	Offset Angle	23 °	22 °
6	Adaptable cartridge weight (incl headshell)	16~43g	14~40g
7	Total weight	750kg	780kg
8	Overhung	15mm	
9	Tracking weight range	0.1g (Minimum scale) - over 6g (3g/360 ° rotation)	
10	Adjustable height (*2)	41mm~	
11	Headshell weight	12g (Incl.screws and lead wires)	
12	Shaft dimensions to mounting base	Φ16mm	
13	Mounting hole size	Φ24mm	
14	Fixing depth size	Up to t29mm (Another size is available)	

(*1) : From counter weight shaft end headshell terminal.

(*2) : From plinth surface to horizontal height of arm tube.

This unit is subject to change without notice. Thank you for your understanding.

Names of parts



- | | |
|---|---|
| Ⓐ Headshell Fixing Nut | Ⓜ Cartridge Fixing Screw |
| Ⓑ Arm Tube | Ⓝ Headshell (Headshell sold separately) |
| Ⓒ Arm Resting Device | Ⓞ Pick Up Stylus |
| Ⓓ Arm Lifting Device | Ⓟ Cartridge |
| Ⓔ Anti Skate Adjust | Ⓠ Lead Wire |
| Ⓕ Tracking Force Adjustment Scale Dial Ring | |
| Ⓖ Weight | |
| Ⓗ Weight Axis | |
| Ⓘ Arm Base | |
| | Ⓤ Arm Base Flat Washer |
| | Ⓚ Arm Base Fixing Nut |
| | Ⓛ Finger |

Installation of MH-9Bt and MH-10Bt tonearm is the same as B type. The arm in the figure is the B type.

1 Preparation for mounting the tonearm onto the record player plinth

1. Determine the hole drilling position of the tonearm fulcrum (mounting screw part) using the mounting template enclosed with the product.
2. Insert the left end hole ($\phi 7\text{mm}$) describes as Platter Spindle of the mounting template to the center shaft (spindle) of turntable platter.
3. Rotate the template sheet and fix the position of the mounting hole of the arm base at 45 degrees when viewed from the top.
4. The distance between the center spindle to the center of mounting hole is 214mm (9 inch) and 239mm (10 inch).

Fig : MOUNTING TEMPLATE

The installation template included with the product corresponds to the arm length (in inches). The figure below shows the template for the 10-inch version.



Fig : The drawing shows the template aligned to the turntable

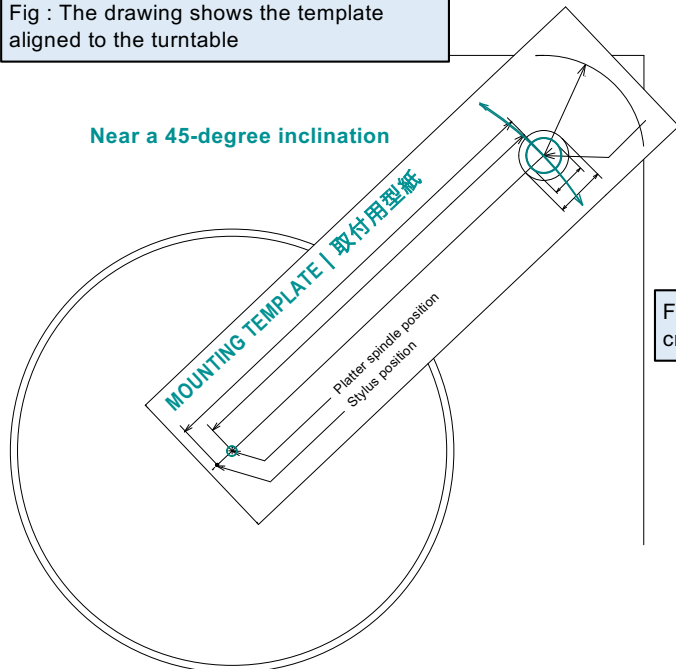
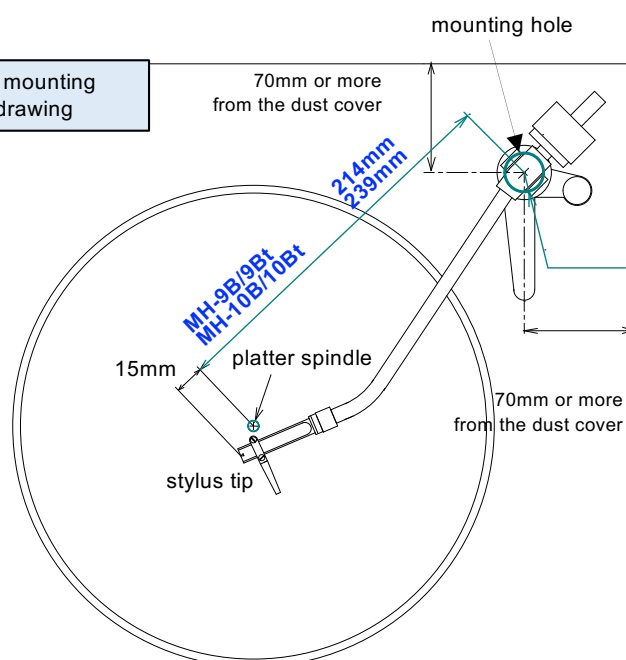


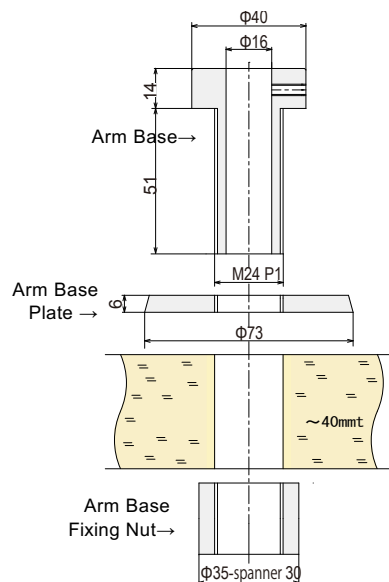
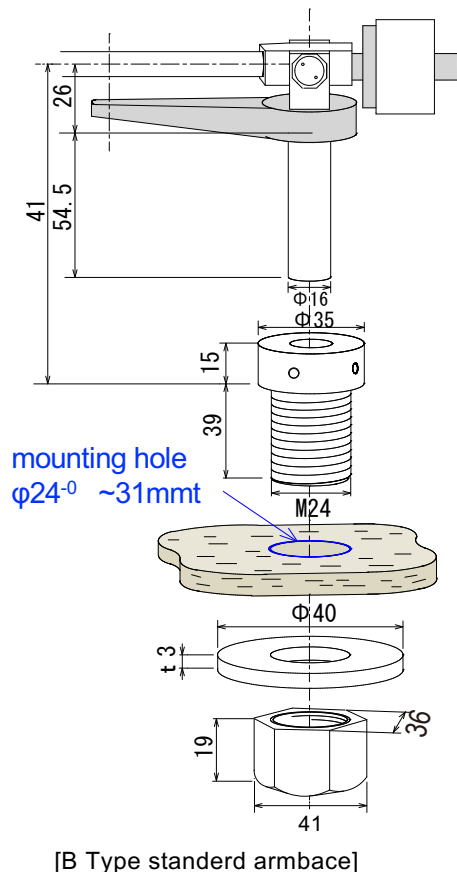
Fig : Tonearm mounting cross section drawing



2 Points to be checked

1. Make sure that the distance from the dust cover edge to the rear part of the counter weight has a 70mm or more distance so that it does not hit the dust cover (when the dust cover is used).
2. Make sure that the armbase mounting nut does not hit the surroundings, the nut is able to tighten, or the output cord does not hit the surroundings. If the mounting board is thick and the screw length is not enough to tighten the nut, consider a long option base of [MH-244LS].
Please refer to the drawing below for detailed dimensions of the option base.
3. Make sure that the horizontal movement range of the tonearm extends to the inner circumference of the record, and that the tone arm operates within a usable range.
4. Do not apply any force to the tonearm when tightens the mounting nut of the base (install the tonearm on after installing the base).
5. For those who install to the mounting plate, please use our exclusive option plate (sold separately)

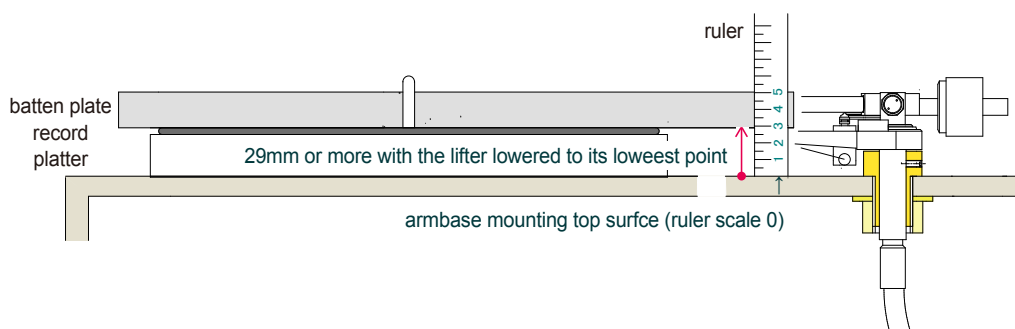
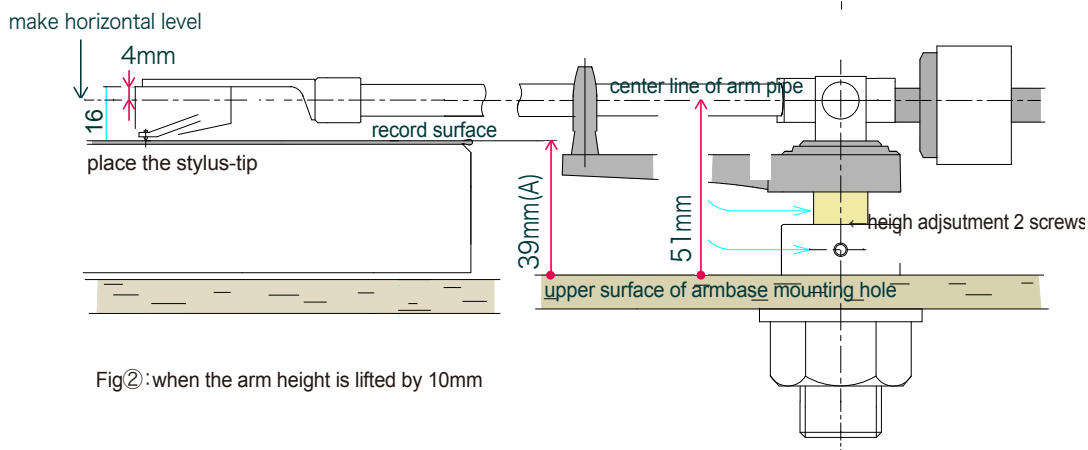
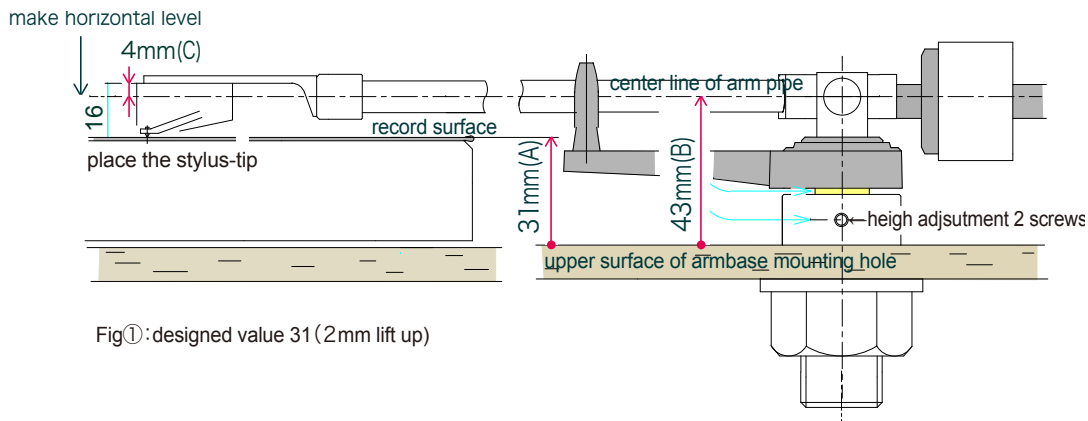
Fig : Tonearm mounting cross section drawing



3 Adjustment of tonearm height

1. Adjust the height of the tonearm so that the arm pipe is horizontal when the stylus tip of the cartridge is placed on the record.
2. While the cartridge height varies by each manufacturer, when installing the average height of a 16mm cartridge, considering the extra space that needs to install shorter height cartridge, raise the lift by 2mm to make the dimension from the top of the base mounting hole to the center line of the arm pipe 43mm (see Fig. ①(B)). The distance from the cartridge head shell mounting surface to the center of the tone arm pipe is 4mm (see Fig. ①(C)), so when a cartridge with 16mm height is mounted, $43(16 - 4) = 31\text{mm}$. If a cartridge with 16mm height is installed, the dimension from the top of the base mounting hole to the top of the record will be 31mm (see Fig. ①(A)). Granz uses this 31mm as the design value. For cartridges that are lower than 16mm, such as a 14mm height cartridge is installed, lower the lift by 2mm (lower the lift to the bottom). Even if you do not lower the lift by 2 mm, an error of $\pm 2\text{ mm}$ will not affect the sound quality. If the height of the turntable platter is too high, it can be used with lifting up by 10mm which makes 39mm from the top of the base mounting hole to the top of the record (see Fig. ② (A)).
3. Loosen the two height adjustment screws (side and back of the base) and lift the tonearm to check the horizontal level (the distance between the center axis of the arm and the record surface is 12mm). It is convenient to place the height adjustment screw at the opposite side of the platter.
4. When the height is decided, tighten the two height adjustment screws.

Fig : Dimensional confirmation drawing for mounting the tone arm
(①, ②, ③ are dimensional confirmation drawings)



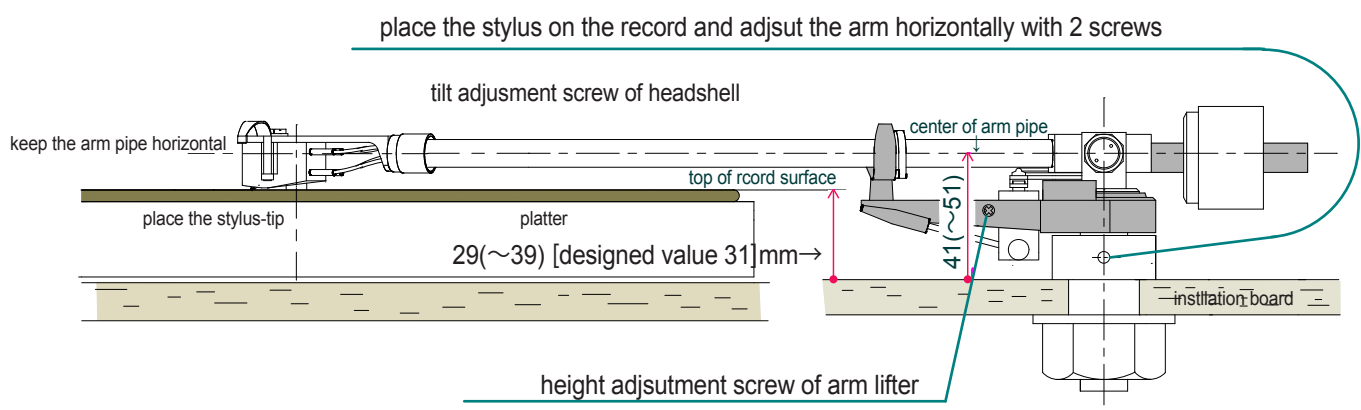
4 Adjustment after installation

How to adjust the tonearm after installed it.

1. Check the level of the turntable. Adjust the height of the turntable by turning the height adjust foot screws so that the entire turntable is horizontal.
2. Connect the output cable. And, after temporarily attaching the tonearm, insert the counter weight with turning it.
3. Install the cartridge to the head shell and insert it into the tip of the arm, slowly turn the lock nut to tighten it. Look at the cartridge from the frontward, and if it is tilted, hold the headshell and correct the tilt. If it is stiff, try loosening the headshell tilt adjustment screw on the underside of the arm pipe tip slightly to correct it.
4. When adjusting, the tonearm will move (to the outer circumference of the record) due to the function of the IFC (inside force canceller) so adjust the IFC scale to 0.
5. Loosen the height adjustment screw of the tonearm, level the arm and adjust it to a height that does not hit the record.
6. Unlock the armrest holder and turn the counter weight to balance the arm pipe so that it is horizontal.
7. Turn the scale of the weight only to set the scale value to 0. Next, turn the weight to match the stylus pressure value of the cartridge (it is about 2g).
8. Place the record on the platter.
9. Hold the finger hook of the headshell and gently place it on the record, but lay a small piece of paper on the record surface and place the stylus tip on it.
10. Loosen the two adjusting screws again so that the arm pipe is horizontal, and adjust the height (adjust with the screw that is easier to adjust, and finally fix the other screw).
11. Loosen and adjust the arm lifter height adjustment screw so that the stylus tip floats about 5 to 10 mm from the record surface when the arm lifter lever is raised (work with great care so as not to damage the record).
12. If the stylus cannot trace the record and is taken to the inner circumference when it is actually played, Increase the IFC scale little by little and stop at the level where the stylus does not jump. (The value on the IFC scale is not to be adjusted to the same value as the needle pressure).

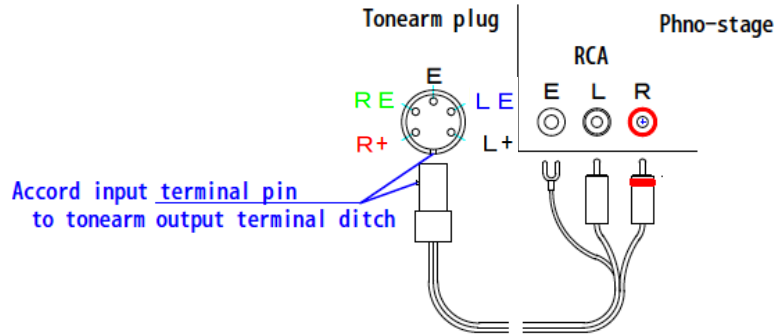
GLANZ' tonearm has good trace sensitivity, so if IFC isn't necessary use with 0 position. The distortion caused by this structure is eliminated.

Fig : Tonearm installation completion drawing



5 Connecting the output cable

1. Push the output cable plug firmly into the Glanz output 5-pin output jack.
2. Connect RCA plugs to relevant terminals of phono-stage, while connecting the U-shaped plug to earth terminal.
3. If you raise the volume slightly, and you hear a “buuuu” sound then you have a problem with poor contacts. Please check the cartridge and the headshell lead wire, the connection point of the headshell and tonearm, the connection point of the tonearm plug and the output cable, and the connection point of the output cable and the amplifier. Pay particular attention to the earth wire leading to the amplifier. If the earth wire is not connected, a “buuuu” sound will be produced.



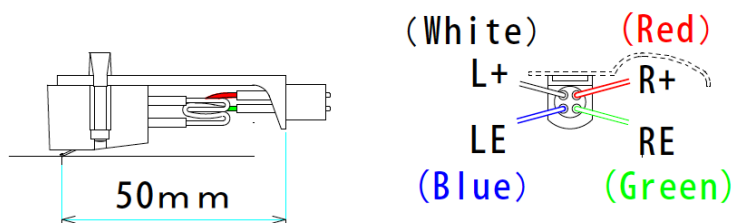
6 Mounting the headshell

1. Please loosen the removable lock nut at the tip of the arm pipe and attach the headshell.
2. Looking at it front on, loosen the lower screw behind the removable lock nut, correct the slope of the headshell, and tighten the screw again.



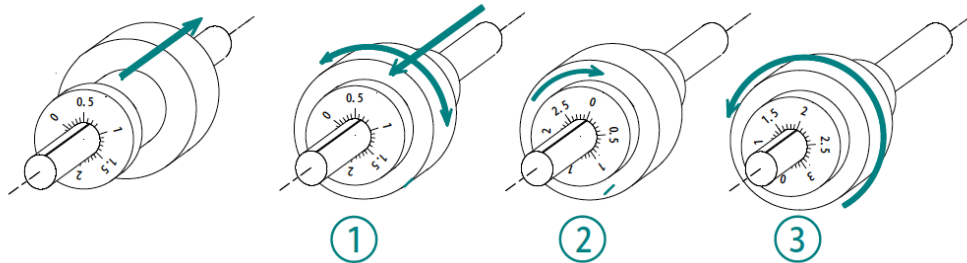
7 Installing the cartridge

1. Fix the position of both the headshell finger lift and the cartridge using a 2.6mm screw to ensure a distance of 50mm (± 3 mm) between them. See diagram below.
2. Customers do not need to tighten the screws excessively, as the central gravitational point of the cartridge is held firmly by the headshell, due to the relative narrow width of the headshell. We recommend that you do not tighten the screws too firmly, as Glanz has deliberately selected stainless steel screws in order to enhance sound quality.
3. Connect the lead wires from the cartridge to the inner terminals of the headshell, as shown in the diagram below. (Diagram shows the position of the wires facing the inner terminal from the cartridge)
4. Do not remove the black rubber attached to the upper plate of the headshell, as this works as an essential damper.
5. Do not insert any rubber at the connection point between the headshell terminal and the tonearm pipe, as Glanz recommends direct mechanical contact at this connection point.



8 Adjustment of needle pressure

1. Please rotate the weight left and right to achieve horizontal balance.
2. Next, rotate only the scale ring and set the cursor to "0".
3. Then turn the weight to the left, and set the specified stylus pressure. (The number on the scale is in grams. In the case of 5g, make one rotation (which is 3g), and then turn it a further 2g.)



9 Adjustment of the inside force canceller(IFC)

1. First of all, with the use of a level, ensure the turntable is completely flat.
2. Turn the knob to adjust the inside force canceller. (Originally the inside force canceller is proportional to the needle pressure, and it varies with the shape of the needle tip and the nature of the contact with the record itself, so the figures are approximate).
3. In the event that the needle jumps into the middle of the record, please increase the inside force canceller. If it seems that there is not any needle jumping, the inside force canceller is not needed at all.

