

BASIS

BASIS AUDIO, INC.

***BRAVO TURNTABLE
and
VECTOR TONEARM***

USER'S GUIDE

INTRODUCTION

Thank you for purchasing the Basis Audio *Bravo* Turntable and *Vector* Tonearm. We are confident that you will come to view your decision to use a Basis turntable and tonearm as one of the most musically rewarding equipment choices in your audio experience.

To realize the potential of your new turntable, and to prevent any damage that would delay your enjoyment, please carefully review these instructions and the *Vector* tonearm setup DVD (also viewable on the website: <https://www.basisaudio.com/vector-4/>).

NOTE: You will find some white cotton gloves packed in the turntable accessories box. You may wish to use the gloves while you are handling the acrylic pieces of the turntable to prevent fingerprinting and scratching of your finely finished Basis turntable.



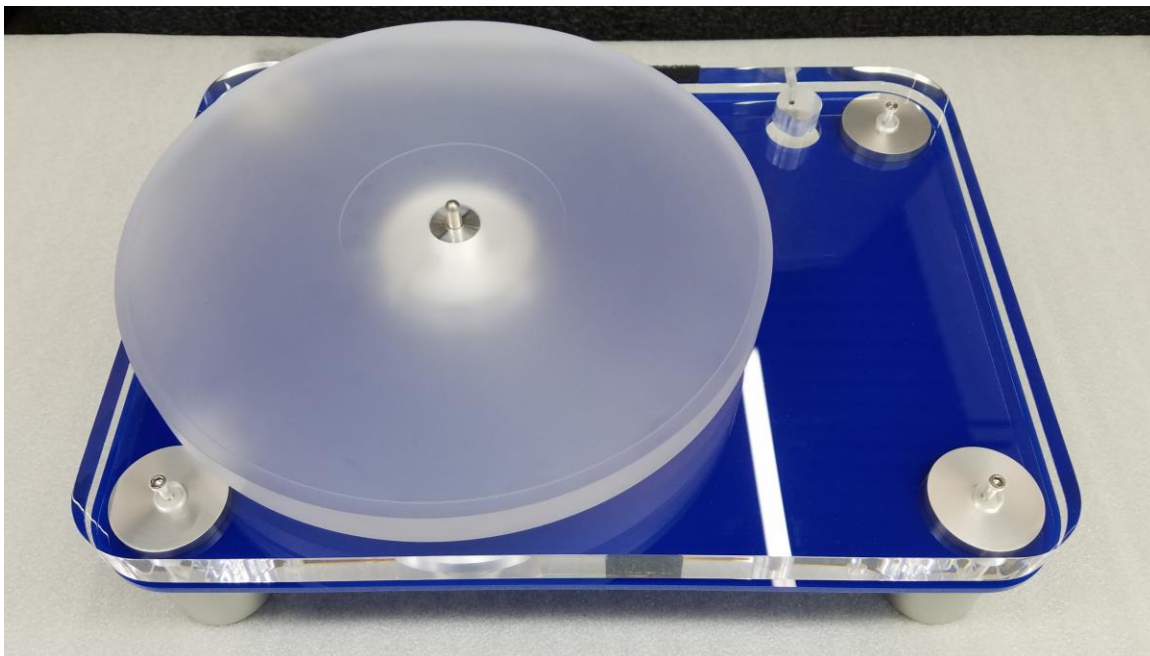
UNPACKING AND SETTING UP YOUR *BRAVO* TURNTABLE

Unwrap the main turntable assembly carefully.

The hole for the tonearm is located in the right rear corner.



Place the platter on the bearing so the arrow on the platter lines up with the line on the bearing for the best speed stability.

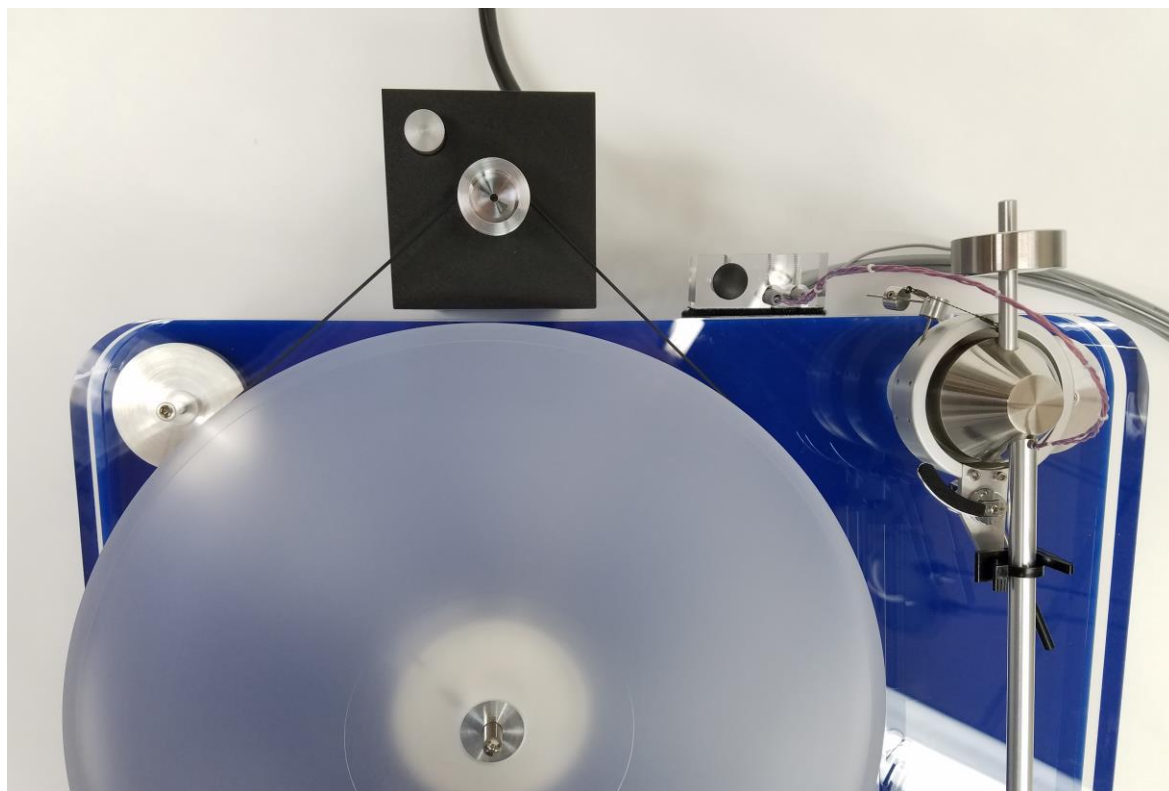


Check that the turntable is level with the bubble level on the platter and adjust the rubber feet at the bottom of the four support pods if needed to level the turntable.

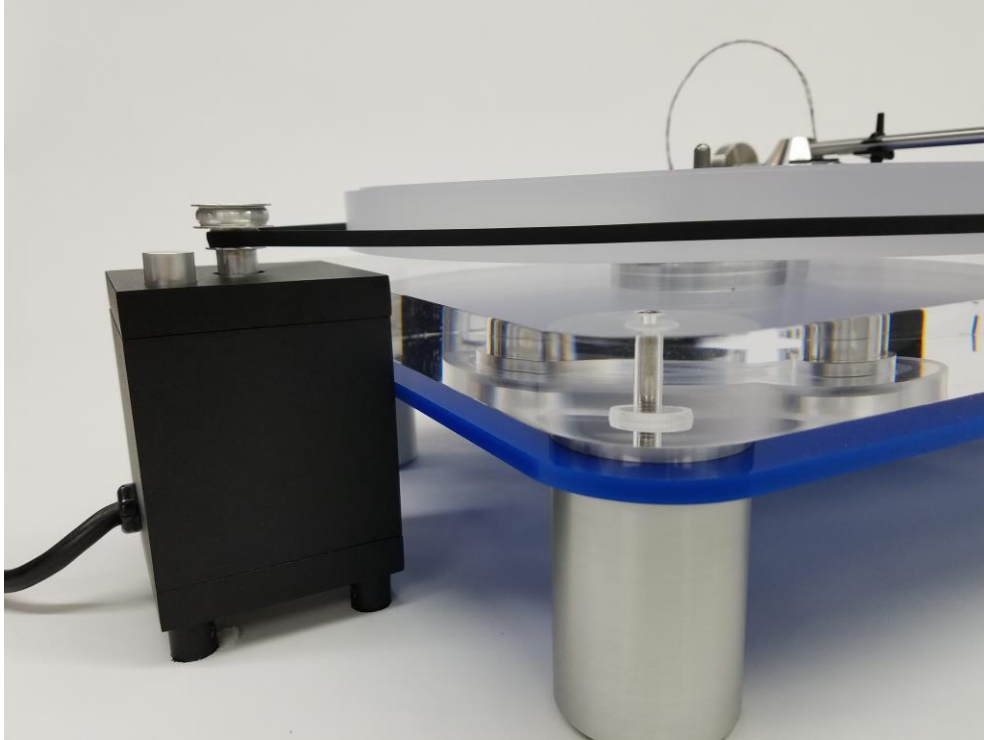
The motor can be placed before or after the tonearm is installed. The motor should be positioned about 3/16" (the width of the belt) away from the edge of the turntable.



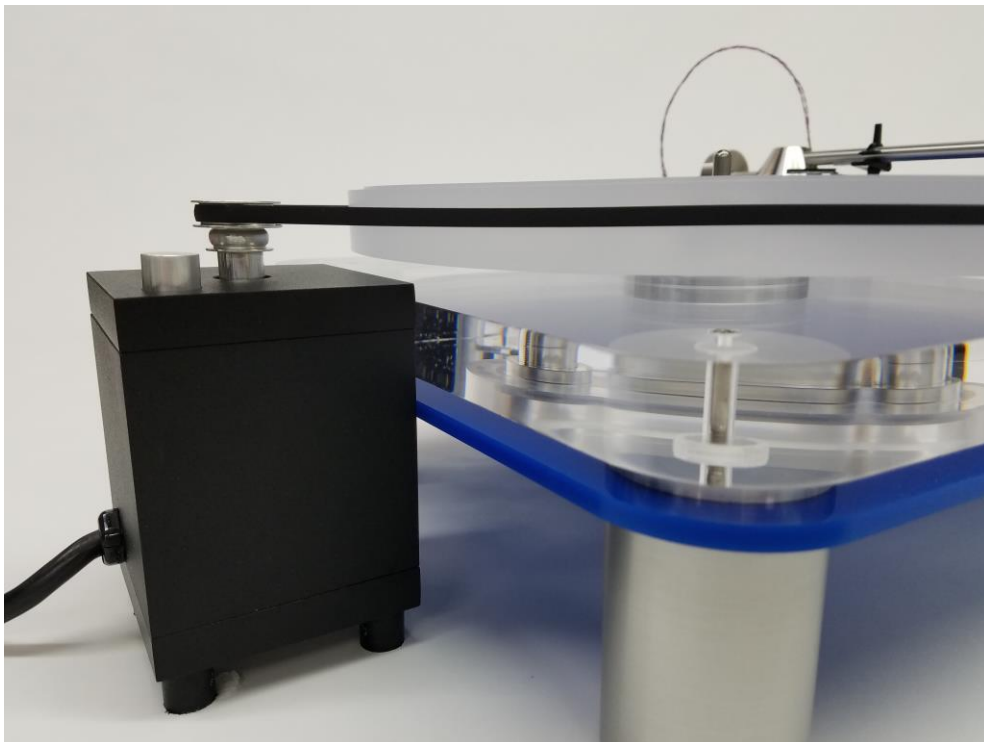
The motor can go on the left side or behind the turntable centered on the platter.



The belt goes on the lower smaller pulley surface for 33 RPM.



The upper larger pulley surface is for 45 RPM.



Rotate the platter a few times by hand while guiding the belt on pulley with the other hand until the belt is centered, so it will not fall off or ride up on one of the pulley ridges.

Press the button to turn the motor ON and OFF.

Install the tonearm base cup assembly in the turntable. Gently place the post in the hole in the turntable and use the 3/32" hex key to lightly tighten the lock screw on the back of the turntable behind the tonearm mount area. The cueing mechanism and arm rest should point forward toward the front of the turntable and the top edge of the cup should be about level with the top surface of the platter (the height of the tonearm can be adjusted after the pivoting assembly is installed so the armtube is parallel to the top surface of the platter when cued down on a record). Be careful to avoid damaging the small rods of the anti-skate mechanism while lowering the cup into the hole.



The tonearm wires are permanently connected to the pivoting assembly. Always support the weight of the wires so they do not hang from the arm.

Mount the cartridge to the tonearm headshell now, leaving the mounting screws slightly loose for later alignment, or after putting the pivoting assembly in place on the turntable.

Slide the counterweight onto the counterweight shaft of the pivoting assembly. Note that the cutout area of the counterweight must always be oriented toward the left when viewing the tonearm from the headshell end, with the slot running in a vertical direction. This side-weights the tonearm causing the arm to always ride against the unique Vector stabilizing bearing.

Gently place the pivoting assembly onto the male pivot in the base assembly.

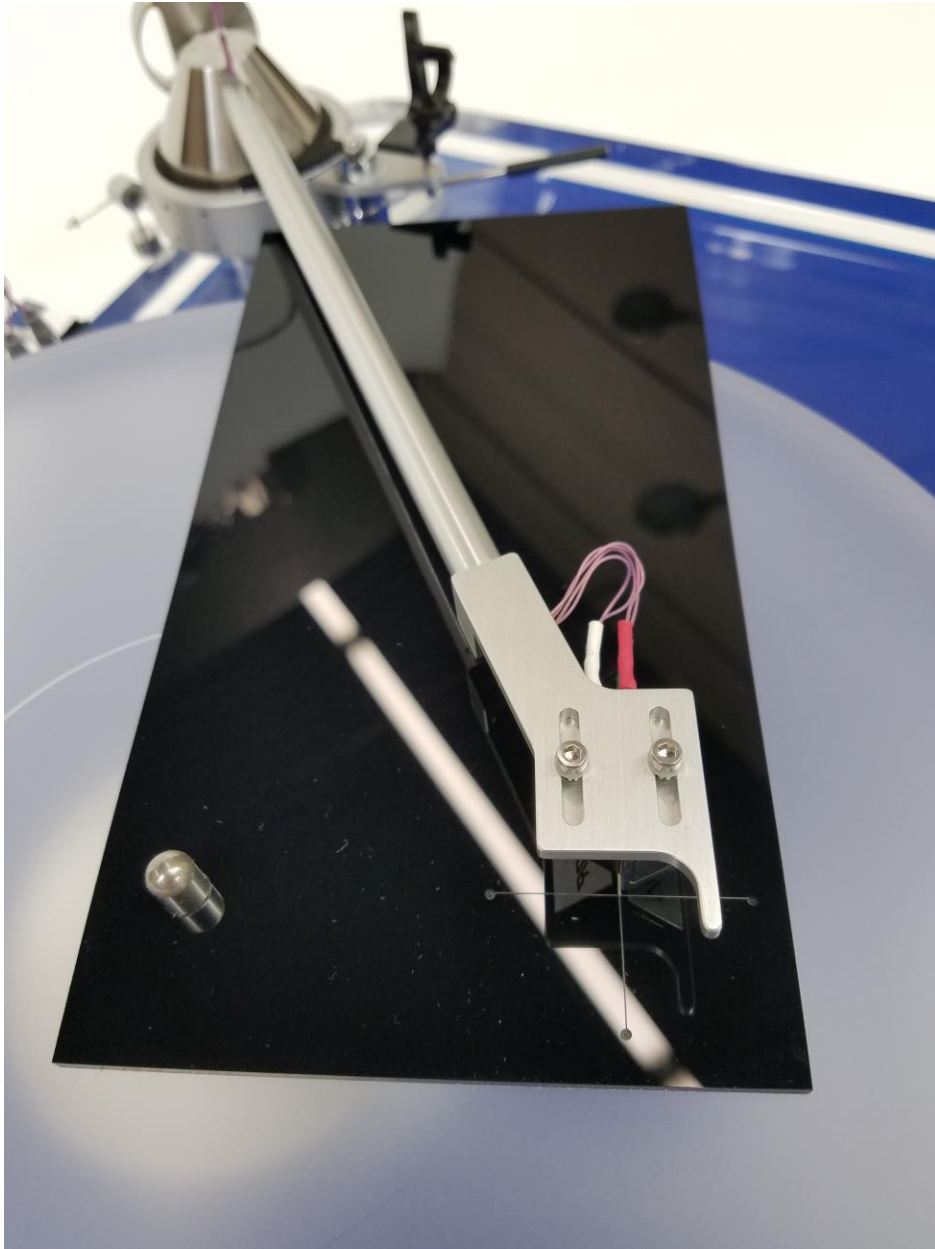
The acrylic cable block with the wires has a Velcro strip to attach it to the rear edge of the turntable.



Adjust the counterweight so that there is minimal tracking force. When adjusting the counterweight, pick the pivoting assembly up off of the pivot so that the pivot will not be damaged by the forces and movement naturally caused by adjusting the counterweight.

Adjust the height of the tonearm support cup using the 3/32" hex key in the lock screw in the rear edge of the turntable so that the armtube is level when cued down on a record (this is considered a neutral setting for the Vertical Tracking Angle).

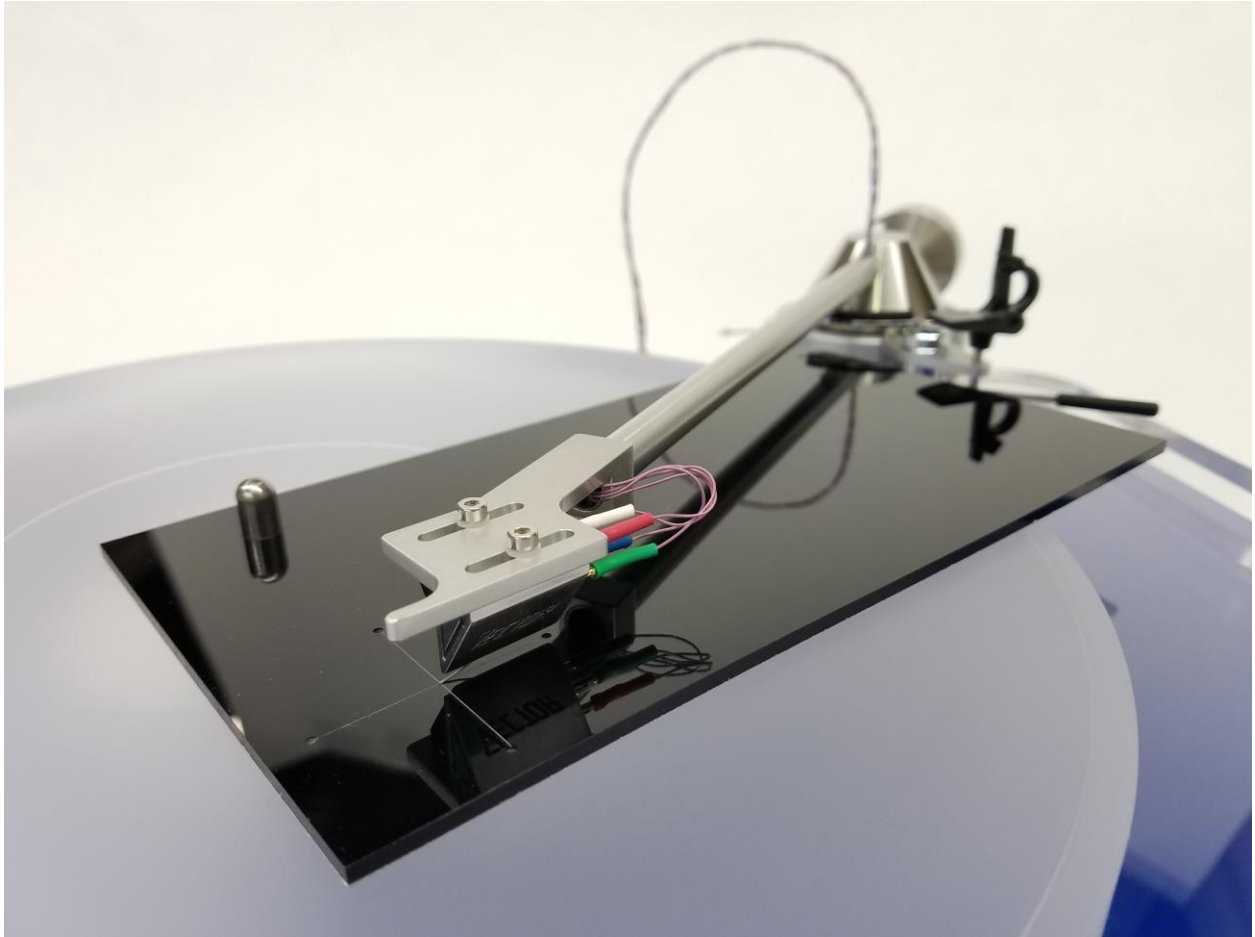
Adjust cartridge overhang using the alignment template. Place the template over the spindle, and with VTA adjusted to a neutral setting, swing the tonearm over the template, adjusting both tonearm and template until the armtube is directly over the two parallel lines on the template. Adjust the cartridge until the stylus is at the cross.



Adjust the tracking force to the cartridge manufacturer's specifications by moving the counterweight. Rotating the counterweight will make it easier to move. Moving the counterweight toward the free end will decrease the tracking force. Moving the counterweight toward the pivot will increase the tracking force. Always lift the pivoting assembly slightly up off the pivot when adjusting the counterweight.

Make sure the counterweight is oriented so the cutout is vertical and to the left when viewed from the front.

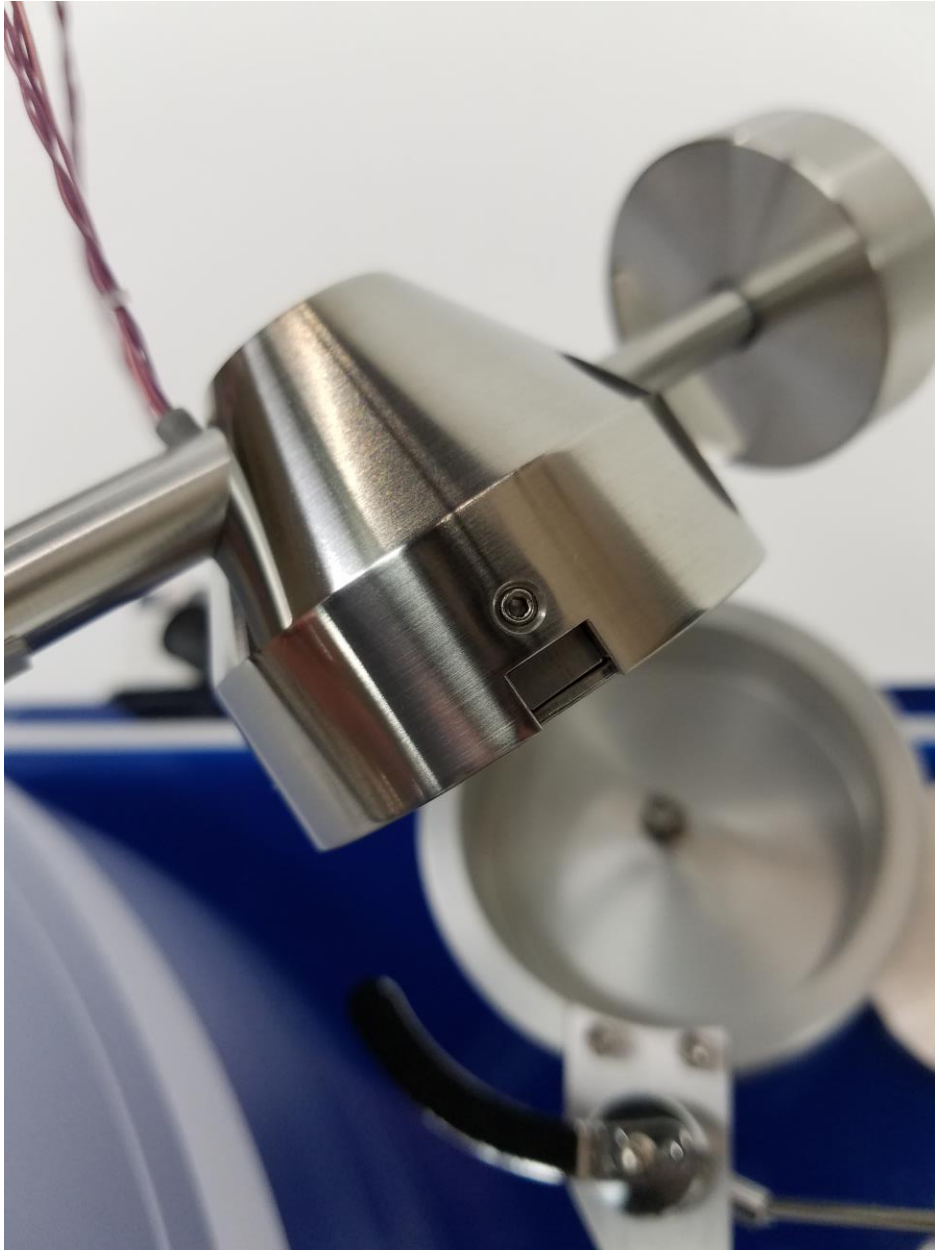
Recheck the overhang setting with the template. Adjust the cartridge until the stylus is at the cross, and the reflection of the cantilever is parallel to the line. A flashlight and magnifying glass or loupe will make this easier.



Readjust the tracking force if you changed the overhang setting.

The Vector setup DVD shows this process step by step and is also available to view on the Basis website at the bottom of the webpage: <https://www.basisaudio.com/vector-4/>

Azimuth is preset to zero and you may play the arm as set. Azimuth is adjusted by inserting the .050" hex key into the adjustment screw located on the right side of the pivot housing. (Do not loosen the nut or screw on the bottom of the pivot assembly.)



Rotating the azimuth adjustment screw clockwise will raise the right side, counterclockwise will lower the right side when viewed from the front.

Typically the azimuth is adjusted so the headshell is parallel to the record. Usually only quarter turn size adjustments are needed.

Remove the pivoting assembly, carefully removing the acrylic cable block from the turntable, and place the pivoting assembly in a safe place. Always support the weight of the wires so they do not hang from the arm.

Locate the small bottle filled with silicone fluid in the Vector box foam pack. Fill the cup of the tonearm base assembly until the silicone fluid is level and even with the bottom of the ball bearing located toward the bottom of the male pivot shaft. The ball bearing is $\frac{1}{4}$ " diameter and looks like a steel wheel. It is OK if the silicone fluid level goes up the side of the ball bearing but avoid completely covering the bearing with fluid.

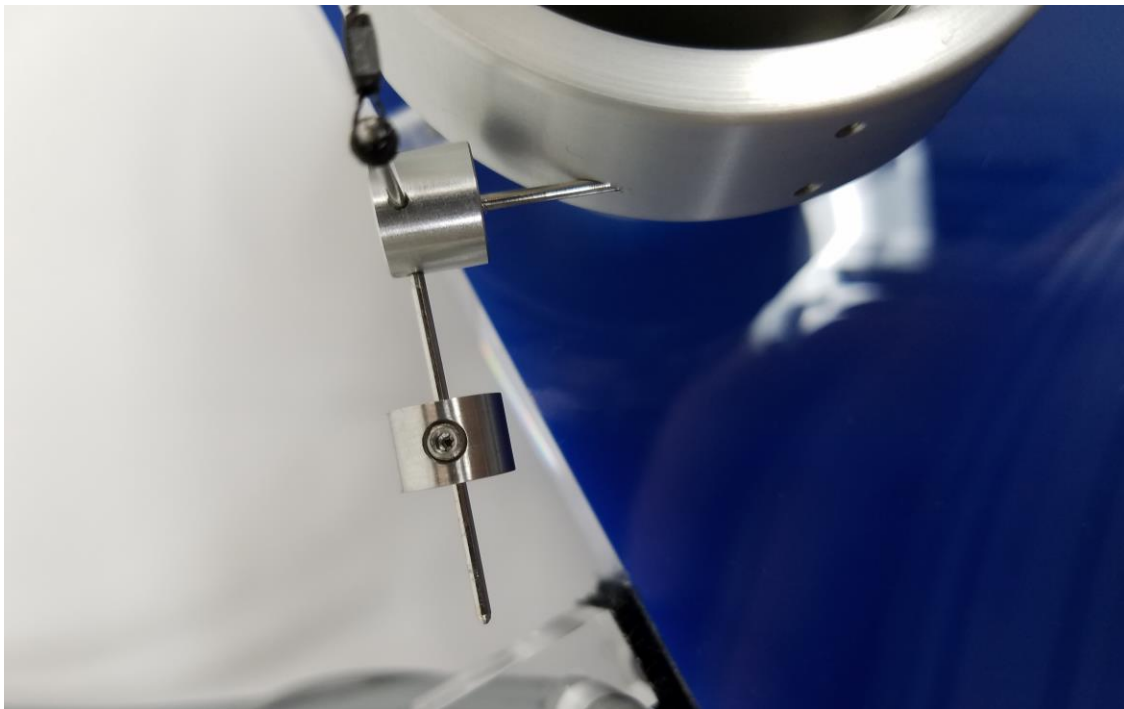


Gently place the pivoting assembly on the pivot and reattach the acrylic cable block to the Velcro on the turntable. Note that if the wires become slightly loose in the acrylic block use the $\frac{1}{16}$ " hex key to very lightly tighten the screws. Overtightening the screws may damage the wiring.

Loop the black anti-skate thread over the end of the rod to activate the anti-skate. Install a very small rubber o-ring in the groove near the end of the rod to keep the string on the rod. In case you lose one of these o-rings, extras are included with your tonearm.



Anti-skate is adjusted by sliding the anti-skate weight up or down the shaft after loosening the lock screw with the .050" hex key. Moving the weight toward the free end of the shaft will increase anti-skate force, toward the pivot will lower anti-skate force.



If necessary, adjust the height of the cueing mechanism using the small .035" hex key supplied with the tonearm. When cued down on a record make sure the cue platform goes low enough so it does not contact the underside of the tonearm. When cued up the stylus will be approximately 3/16" from the record surface when the cueing lever is in the up position. You may adjust this to suit your personal taste.



The Vector armtube can be secured in the arm rest when not in use.



Shape the tonearm wires into a smooth vertical arch and make sure the counterweight is oriented with the cutout on the left side and vertical.

Enjoy the music!

BASIS AUDIO, INC.
LIMITED TEN (10) YEAR WARRANTY

BASIS AUDIO, INC. warrants this product to be free from defects in workmanship and materials for a period of 10 years from date of purchase.

Purchaser must submit to **BASIS** within 30 days of purchase the completed, signed, and dated warranty registration form and a copy of the bill of sale for this warranty to become valid. Failure to provide the warranty registration form to **BASIS** within the thirty day period shall render this limited warranty void and inapplicable. This information is for warranty purposes only, and will only be seen by Basis Audio. We never sell, trade or share customer information.

This warranty is subject to the following conditions: This warranty applies only to the original purchaser/owner. Warranty is void and not applicable if this product is or has been operated or handled in any way not consistent with the guidelines set forth in the owner's manual.

Warranty is void and inapplicable if product has been abused/damaged as a result of negligence, or damaged in shipping/handling.

Warranty is void and inapplicable if this product has been modified, repaired or tampered with by anyone other than **BASIS** or an authorized service representative.

Should this product fail to meet the above warranty purchaser assumes obligations to re-package and return the unit to the dealer, **BASIS AUDIO, INC.**, or a designated service representative at his/her own expense.

Where the above conditions have been complied with, **BASIS AUDIO, INC.** shall without charges for parts and/or labor, repair the defect and return the unit to purchaser **FREIGHT COLLECT**.

Implied warranties related to the above are limited to the duration of this warranty.

Warranty is not extended to cover ANY incidental or consequential costs or damages to the purchaser.

Certain states do not allow limitations on how long an implied warranty lasts, or exclusion or limitation of incidental or consequential damages, so the aforementioned limitations and exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.