

pear audio analogue

KID THOMAS TURNABLE

&

CORNET TONEARM

USER MANUAL

DESIGNED BY TOM FLETCHER

CAREFULLY UNPACK THE COMPLETE CONTENTS OF BOX AND MAKE SURE ALL THE FOLLOWING ITEMS ARE PRESENT. PLEASE READ THE INSTRUCTIONS BEFORE SETTING UP.

1X BEARING ASSEMBLY BASE PLINTH WITH ARM MOUNTING PLATE

1X MOTOR

1X PLATTER ASSEMBLY (INCLUDING 4 DAMPENING RINGS)

1X PULLEY

1X DRIVE BELT

1X TOOL KIT (screwdriver, Allen key, oil, spirit level)

1X TONEARM (CARTRIDGE NOT INCLUDED)

1X ALIGNMENT PROTRACTOR

1X TURNTABLE MAT

BEFORE STARTING THE ASSEMBLY PROCESS CHECK THAT THE SURFACE YOU INTEND USE IS LEVEL AND STRONG ENOUGH TO TAKE THE WEIGHT OF TURNTABLE. IT IS VERY IMPORTANT YOUR TURNTABLE IS LEVEL (SPIRIT LEVEL INCLUDED WITH TOOLS).

WARNING:

Do not disassemble any part of the turntable. Always refer to your dealer or distributor instead. Any unnecessary tampering or altering of the turntable and/or tonearm will void the warranty.

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PLACEMENT

Place plinth onto your choice of level surface. Make sure your surface of choice is sturdy and level before you place the plinth. The three feet underneath are adjustable and can be used to fine level.

PULLEY MOUNTING

Place one hand under the bottom of the motor unit, to prevent downward movement. Use your free hand to GENTLY push pulley onto motor spindle. Push straight downward and not at an angle. It will come to a natural stop. Do not press too hard as pulley and/or motor damage may occur.

Note: The motor slides up and down in the motor housing. This is to achieve accurate belt drive alignment.

PLATTER MOUNTING

Using the dropper pour around 1/3 cap of oil into the bearing well. Wash hands afterwards to prevent oil from getting onto the turntable.

Remove the dampening rings from the platter. Carefully lower the platter into the bearing hole and let it settle.

WARNING: Do not let the platter drop down as it can damage the bearing.

MOTOR HOUSING PLACEMENT

Replace all dampening rings to the platter. Place the motor housing centrally in the cut-out on the left side of the plinth, as close to the plinth as possible, but without any part of the motor housing or the pulley touching the plinth, the platter or the dampening rings. The height of motor is adjusted by pushing gently up at the top or the bottom of the motor unit. To press down, press on the sides of the motor unit, until it reached desired height.

WARNING: Do not press down on the pulley, only on the sides of the motor.

Attach the drive belt around the pulley and platter. The upper groove in the pulley is 45RPM. The lower groove is 33 1/3 RPM. The ideal height for the motor is when the belt runs approximately 1/3 up from the bottom dampening ring, when running at 33 1/3.

Connect the wire from the motor to your outlet (or to the Pear Audio Blue external power supply unit). Once the motor is connected you should feel that the motor/pulley vibrates while platter is stationary. That is normal.

To start the platter, place your hand on the side of the platter and spin the platter clockwise. If you spin it too softly it won't maintain speed. Give it a firm spin and it will adjust to correct

speed within seconds.

WARNING: Do not use any other external power supply to power your Pear Audio Blue turntable than the Pear Audio Blue external power supply.

CORNET 1 & 2 TONEARM ALIGNMENT AND CARTRIDGE ADJUSTMENTS

Whenever possible have your Pear Audio Blue dealer mount your cartridge as they have the experience, equipment and know-how to achieve best possible sound from your turntable and cartridge. Otherwise follow the instructions below.

CARTRIDGE MOUNTING

We recommend you to this before installing the arm on turntable.

Be very careful when handling the tone arm. The internal arm wire is exposed at the headshell and at the rear of the arm. The silver wire is very delicate and physical damage to the wire or the colored wire connectors is not covered by the warranty after the arm is removed from its box.

Lay arm on it's side on clean level surface. Mount your cartridge of choice onto the slotted headshell of the tonearm. Carefully attach colored wires to corresponding terminals on rear of cartridge.

TONEARM MOUNTING

First lower the wires through the central hole in the collet, one wire at a time. Then carefully lower the bottom stem of the tonearm down into the central collet and tighten using the screw located in the hole on the outer edge of collet holder. Never tighten to hard, just enough to keep the tonearm from moving.

Place an old record onto the spindle. Place the alignment gauge over the spindle. Using two foam wedges, place one wedge under each side of the platter to prevent it from moving, as shown on photo. The platter might have to be raised slightly to get the foam under. Make sure the platter won't rotate while you align the cartridge.

Point the arrow on the alignment gauge towards the center of the pivot of the tonearm. You may wish to use something with a straight edge (ie a ruler) to extend the arrow to double check accuracy.

Loosen the cartridge screws and move cartridge until cartridge sit in the central dot of the alignment grid and any straight edges on the cartridge chassis are parallel with the lines on the grid. Retighten cartridge screws.

See instructions on the alignment gauge for more details. If you are using another alignment gauge follow the instructions of that particular gauge. Remove the alignment

gauge when correct alignment is achieved.

ANTISKATING ADJUSTMENTS

Antiskating is adjusted by loosening the small screw that holds the tiny weight on a small rod sticking up, up on the left side of arm (arrow 2 on Picture 1). Once loose the tiny weight can be moved up or down on the rod, giving it more or less antiskating. Tighten the screw once correct antiskating has been achieved.

Again, this adjustment should be made by your local Pear Audio Blue dealer when he installs the cartridge. A similar pin sticks up from the right side of the arm (arrow 3 on Picture 1). For the counterweight to work the pin on the right side should rest against the thicker metal pin that protrudes from the arm.

AZIMUTH & VTA ADJUSTMENT

Again, any of our Pear Audio Blue dealers will gladly install your cartridge and they have the know-how and equipment to do so. Remember to raise the cartridge from the record between each adjustment to prevent damage to your cartridge. Azimuth can be adjusted by gently twisting the headshell from side to side.

VTA is adjusted by using the Allen Key, to either raise or lower the Allen bolt, next to the pivot point that touches the tonearm mounting surface (Arrow 4 on Picture 1 and also see Picture 3). But first you must loosen the screw (picture 2) on the side of the armboard base, so the tonearm can freely spin in its collet. Lower the cartridge onto the record after adjusting up or down. Repeat this process until correct VTA has been achieved. After you have achieved correct VTA, then remember to tighten the screw (Picture 2). Never overtighten this screw, just enough to keep the tonearm from spinning.

These are many ways to adjust azimuth and VTA, but again we urge you to have your local Pear Audio Blue dealer mount the cartridge. They have the necessary equipment and experience to get the best sound from your cartridge. Ultimately let your ears and a quality test record be the final judge of when you have achieved correct azimuth and VTA.

If necessary recheck cartridge alignment. When done carefully remove foam wedges under platter so it spins freely.

TRACKING FORCE ADJUSTMENT

Using suitable scale (not included) and knowing your cartridges manufacturer specifications, carefully lower the needle onto the scale and check the weight. Then raise the arm, using the arm lever and move the bronze counterweight (See Picture 4) located at the rear of the arm, backwards or forwards. On the Cornet 1 the counterweight slides after you loosen a screw on the counterweight. On the Cornet 2, the counterweight slides back and forth in a cylinder. Check the weight again, repeat this process until correct weight is achieved.

PLAYING RECORDS

Lower stylus onto record and enjoy. When you are done listening, lift the stylus using the armlift and place the arm at rest. Then gently place your hand on the side wall of the platter to stop the platter for spinning.

Pear Audio Blue headshells have no fingerlift. It's just a matter of habit to easily move the arm without a finger lift. Carefully grab the arm from above, near the headshell with thumb and fingers and lift it over the desired spot on the record. Then use the armlift to lower the needle onto the record. Ultimately use whatever method of holding the arm that best suits you. If you absolutely must have a fingerlift then these can be bought separately and attached between the headshell and the cartridge.

MAINTENANCE

Allow the spindle and bearings time to bed in in the first days of playing.

Oil should be changed every 2 years, depending on how often you use it. Just remove the platter and clean of old oil with clean paper towel and repeat the steps above to apply new oil.

Periodically wash the drive belt and dampening rings. Use warm water and a mild soap. Rinse soap off and let them air dry, Then reattach.

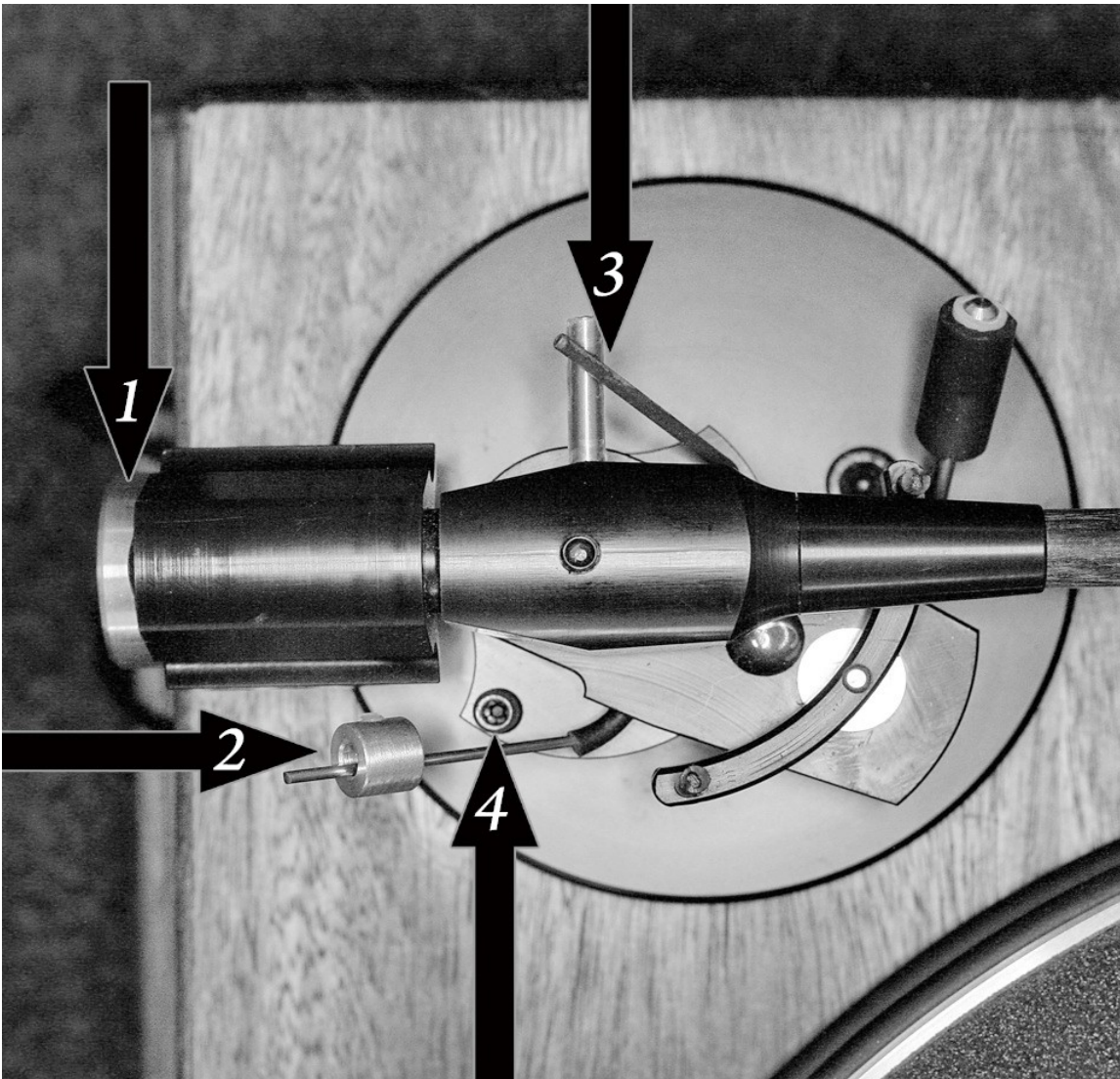
Motor can be left on permanently.

Do not leave platter spinning when not in use.

Clean stylus periodically, from back to front with specifically designed stylus cleaner, using a small brush.

If in doubt, contact your local dealer.

PICTURE 1



Arrow 1: Counterweight (on a Cornet 1 arm the counterweight slides back and forth on a shaft. On the Cornet 1 arm you need to loosen the screw first before moving the counterweight. Tighten the screw once correct weight is achieved.

Arrow 2: Anti-skating. Loosen the tiny screw, before sliding the weight up and down the shaft, until correct anti-skating is achieved. Then retighten the screw.

Arrow 3: This lever, which is part of the anti-skating system, should always rest against the metal pin, like on the picture above.

Arrow 4: VTA adjustments are done here with an Allen key (see picture 3) to raise or lower the arm. But first you need to loosen the screw on the side of the armboard (See Picture 2).

PICTURE 2



Remember to always loosen this screw BEFORE you adjust VTA (see picture 3). Once correct VTA is achieved, remember to retighten this screw. But never too tight, just enough to keep the tonearm from spinning in the collet.

PICTURE 3



Use the provided Allen key to lower or raise the tonearm. Remember to first loosen the screw on Picture 2 before you adjust VTA. Once you have achieved correct VTA then retighten the screw on Picture 2.

PICTURE 4



To adjust the counterweight (Arrow 1 on picture 1) you slide it back or forth, while holding the tonearm with the other hand, as shown on the picture above.

If you have a Cornet 1 tonearm, the counterweight slides back and forth on a shaft. On the Cornet 1 arm you need to loosen the tiny screw first, before you can slide the counterweight. After you have achieved correct weight, retighten the screw.

PICTURE 5



Always use the armlever to lower or raise the arm onto the record surface. When you need to move the arm over the desired spot on the record, you gently grab the arm above the headshell, like on the picture above, lift it to its desired position and using the armlever, you lower the cartridge onto the surface of the record. Ultimately use whatever method you prefer. But be careful not to touch the internal tonearm wires. It will become a matter of habit after a short period of time.