

## **PURE RESONATOR BB**

The Pure Resonator BB is a pickup especially designed for biscuit bridge resonator guitars. We updated the design in 2017 to further optimize string-to-string balance.



The pickup features a screw-mounted installation on the biscuit for maximum feedback resistance and best possible sound transmission and comes pre-wired with an endpin jack including an external mount fastening system called "dual-lock" (made by 3M).

This manual describes the installation with external jack mount only.

### **Tools needed:**

- Screwdrivers for the different screw sizes on your guitar and pickup
- 5/64" (1.9mm) drill bit
- Drill
- Duct tape
- Clear scotch tape

An internal jack mount could be done by a skilled luthier/guitar tech. Please note that the pickup installation procedure and location is the exact same for both, external or internal jack-mount. With

an internal jack, the pickup wire will be routed underneath the resonator cover and via a small hole in the sidewall of the resonator well to the internally mounted jack. It is a somewhat delicate procedure that requires soldering. We include a small bag with the required washers, nut and strap button for the internal jack mount. Please note that this procedure will void the warranty if not done by a K&K approved luthier, please email [theman@kksound.com](mailto:theman@kksound.com) for installation tips.

### **PICKUP INSTALLATION**

1. Loosen the strings and install a capo on the 10th fret (or remove the strings and skip #2).
2. Stick a piece of duct-tape over the ball-end-holes in the tail piece (string holder) to prevent the ball-ends to snap out of the holes.
3. Remove the tail piece by unscrewing the strap knob (and additional screws if necessary).
4. Unscrew the small screws around the perimeter of the resonator cover and lift it off along with the strings and tail piece as shown in photo.



5. Take out the resonator cone with the biscuit bridge.
6. Unscrew the biscuit-bridge-holding-screw on the back of the resonator and remove the biscuit.



7. Mark the hole location for the pickup mounting hole in the biscuit. Make sure the pickup is as far as possible on the low string side, just without the pickup edge extending over the outer edge of the biscuit. It should slightly overhang the bevel of the biscuit to maximize its location towards the low string side, as shown in photo.



8. Drill a 5/64" (1.9 mm) hole through the biscuit on the marked spot.



9. Mount the pickup like shown in photo with the supplied black Phillips head screw and the small washer that comes with it. Please note that you should tighten this screw as hard as you can with a screwdriver that nicely fits the screw.



10. Reinstall the biscuit to the resonator.

11. Place the resonator back in the resonator well in the guitar.



12. Remove the rectangular dual-lock piece (black, on output jack).
13. Stick the endpin jack through the bridge (center) opening in the resonator cover it will most likely need some force to get the dual-lock part though.



14. Reinstall the resonator cover.



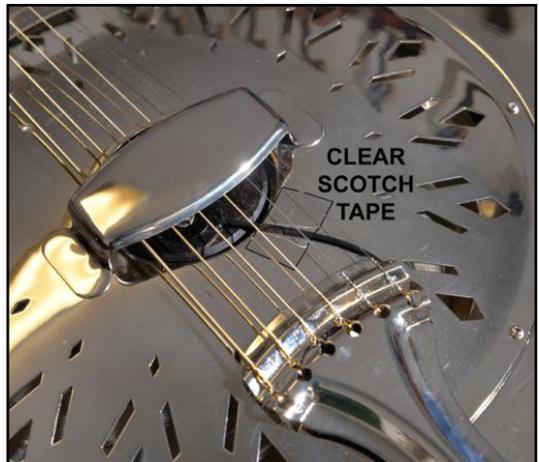
15. Reinstall the tail piece and remove the duct tape on it.



16. Install the rectangular "dual-lock" jack fastener on a fitting spot on the guitar (see photo) make sure to establish the perfect spot first. We recommend to stick a piece of duct-tape on the guitar first and stick the dual-lock onto the duct-tape as the adhesive on the dual-lock is leaves a residue that is difficult to remove.



17. Secure the pickup cable with piece of clear scotch tape as shown in photo. This is important as the cable tends to vibrate a little on the resonator cover and this vibration will otherwise be picked up by the transducer. It may be difficult to get the tape underneath the strings; we pushed it through from the top between 2 strings and pressed it down using a q-tip.



18. Also secure the pickup cable with clear scotch tape as shown in photo.



19. Shown here is an optional method of cable routing that works well if you do not use a guitar strap.



20. Tune up the guitar and make sure the angle of the bridge is correct for proper intonation.

## IMPORTANT NOTES

- When using this pickup, you need to **roll off treble quite dramatically**. This is normal because of the metallic overtones of the aluminum resonator. Once you did that the sound will have good balance of bass, mids and treble.
- If you notice strange noises when playing (amplified or even acoustic) it is possible that the pickup cable is vibrating against something. You may have to further secure it with clear scotch tape.
- Tightening the pickup adjustment screw as much as possible is very important for a warm tone. The more you tighten it, the stronger and warmer the bass response will be. We recommend using a screwdriver; the largest possible size that still grips the small black screw securely. If the screw is looser, it will sound less bassy and more treble oriented. Since we cut treble on the EQ even with tight screw pressure, we think a tight screw pressure is the way to go.
- We recommend using a K&K Pure XLR preamp with this pickup because it has a phase switch and your guitar will sound warmer with the correct phase setting. It also has the proper EQ to dial in a balanced tone.