

## Instructions for Installing Zero Glide Nut System (Please watch installation video at Zeroglide.com)

An experienced luthier is the best option for installing the Zero Glide Nut System. Self-installs are very possible as there are no specific tools required and if you are experienced in detail work. Please read instructions from start to finish before beginning.

Kit Includes: 1 Zero Glide nut, 4 frets of various heights (color coded) Blue: Hi (.050"), Purple: Med (.045"), Red: Low (.040"), Green: Small (.028"), instructions

Installation Tools: Razor blade, 3"x 6" wood block (must be very straight) with glued 120 grit sandpaper, small hammer, masking tape, pencil, superglue (medium-thick viscosity) & applicator (toothpick is ideal), wire cutters. Optional: Sandpaper 240, 320, 400, 600 if you desire to polish the nut.

### Removing the Old Nut

With a razor blade, score the edges of the old nut along the neck and fingerboard. This is done to prevent any finish chipping when removing the old nut. Using a wood block and a small hammer, gently tap the nut from the fingerboard side to loosen it from the slot. Scrape away any remaining glue from the slot with the razor blade to allow for the Zero Glide nut to fit flush.

### Slotted Nut Install

#### Now you must shape ZG nut the same as the original nut

1) Thickness: Your ZG blank will need to be thinned, to the same thickness specs as your original nut. **Sand only the back of the nut** (opposite the steps) to make proper fit. You'll be testing the "snugness" as you sand in the slot. Sand evenly and test often.

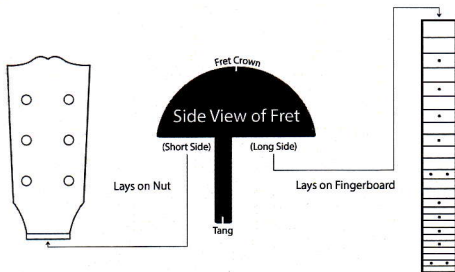
2) Length: The nut should now fit in the slot and you'll be fitting the length. Position nut so the outside string slots are evenly aligned with fingerboard edge, tape nut in slot, turn over guitar, and mark the extended edge with sharp pencil. Sand to line

and fit to the edge contour. Slightly round top edge so its not left sharp.

3) Fitting proper height: You must sand the bottom of the nut so the top step is level with fingerboard. Take caution on this step, as this needs to be accurate for a good-looking fit. If you desire to polish the bone to a shine, sand consecutively with 240, 320, 400, 600 grit sandpaper, and then buff with a polishing compound and wheel.

### Installing fret wire

After the nut is fitted, you can choose from 1 of our 4 frets heights. For best intonation and fingering you want the lowest wire possible. The tang of the fret is off centered, so you must fit the fret according to this diagram.



1) Insert the lowest fret into slot, tune your guitar and test play. If it buzzes on open string (1st fret) increase the fret height until you choose correct fret. There should be no open string buzz with your playing style.

2) Sanding the fret ends: Lay the fret on the ledge of the nut. Take a sharp pencil and mark the edges of the fret that overhang the Zero Glide to be trimmed. Cut the excess fret wire with wire cutters being careful not to bend the crown or tang. Using the sanding block, carefully sand the fret ends to match the edge of the nut.

Then, the fret ends may be beveled using the sanding block to match the bevel of the other frets.

### Final assembly using glue

Using a toothpick, apply two very small drops of superglue to the bottom of the Zero Glide nut (Note: *Thin viscosity superglue is not recommended as it sets too quickly. Medium to thick viscosity superglue is recommended*). The ideal location for the glue drops is roughly 5mm from the edge to avoid any squeeze-out when the nut is pressed in. Firmly seat the Zero Glide nut flush into position and press tightly until dry (about a minute). The fret can now be glued into place by carefully applying two small drops of superglue to the fret tang and pressing it into position. Immediately string and tune the instrument to allow the string pressure to firmly seat the fret.

### Unslotted ZG Nut Installation

1) If you have the old nut you may duplicate the string spacing. Nut slotting files may either be tapered or straight cut. The straight cut files are recommended.

2) Once the slots are marked by pencil, cut all slots to the depth of the first step on the Zero Glide nut

**Here's our recommended method for determining the string spacing, if you choose not to use the original nut spacing or if you are building new.**

You first need to cut the outside slots. With strings on the instrument (tighten to almost normal tuning), lay the outside strings on the nut and position the string 1.5-2 mm inward from the fret bevel. Make a pencil mark on nut. This location provides proper position of the outside strings so they will not "slip" off the fingerboard when chorded. **MEASURE FROM TOP OF BEVEL, not end of fret!** Once these slots are cut you can equally position the locations of the inside strings.

Once the nut is slotted, continue with directions for fret assembly and final adjustment