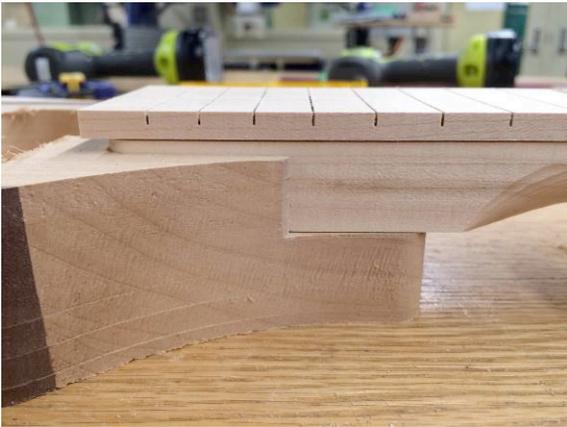


Fret Board and Bridge Layout Summer 2015/ Spring 2016

This is the only approved process for initial layout and testing for Guitarbuilding.org kits. Do not mix any parts that were created prior to summer 2015 they will have different distances.

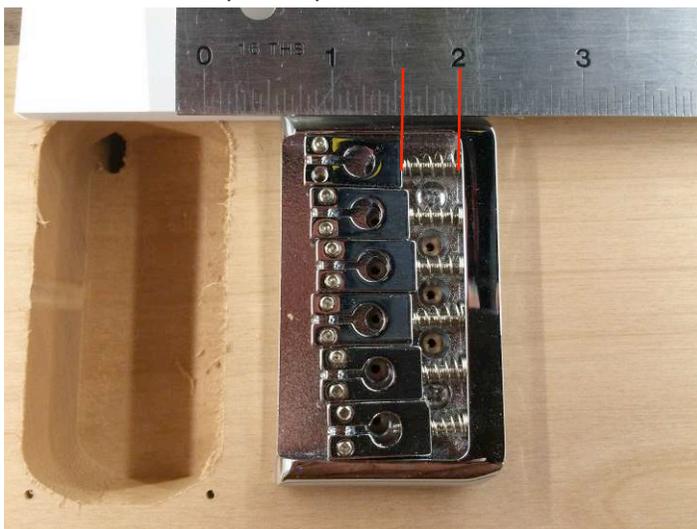
1. Pre fit your guitar neck and body make sure there are no gaps. Understand when screws and clamps are applied the joint may tighten up.
2. Make sure the neck lies flat in the neck pocket. Any angle will change the measurements. Support the headstock if necessary.



3. Fretboard placement lines up with the lines up with the headstock transition of the neck. **NO overhang**



4. Align the bridge with the mounting and string holes. Measurements are ONLY to the e' (High e) string. Saddle position of the e' saddle should be set to allow travel in both directions for intonation. Set e' saddle distance $3/8'' - 7/16''$



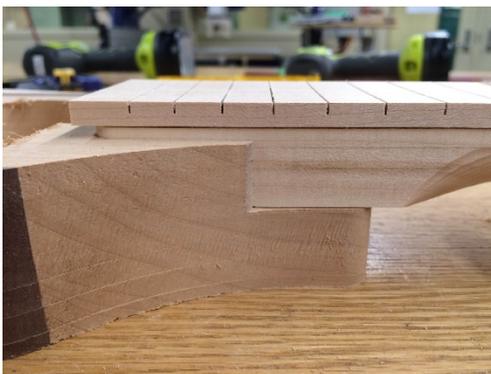
5. This will result in a dimension from the point at which the string stops vibrating (set screws on saddle) to the string nut of $25.5'' \pm .03125''$



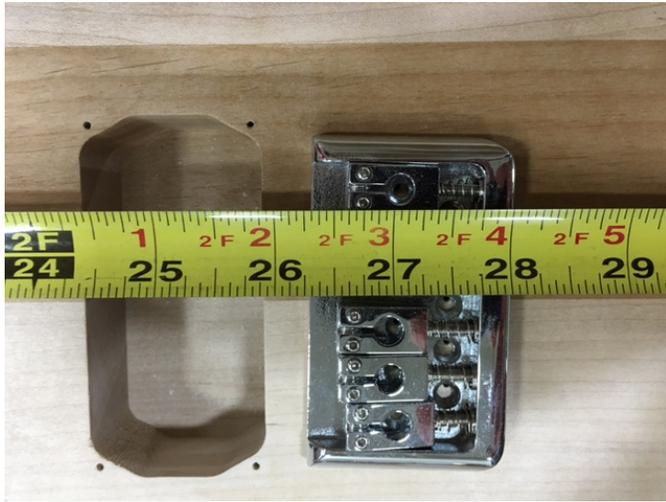
6. There should be a slight overhang of the fretboard at the heel neck pocket



Approximate dry fit distance from the top surface of the guitar to the top surface of the fretboard is approx 0.350". Variations in fretboard thickness and pocket depth will contribute to height differences. After sanding and fastening this distance may be less.



Repair of out of Tolerance Necks. – If you discover your neck and fretboard is out of tolerance there is a repair process. 25.5" is the distance to the high e' setscrew "(saddle height adjustment) to the face of the nut. If it varies more than a 1/8" of an inch you may need to make a neck adjustment.



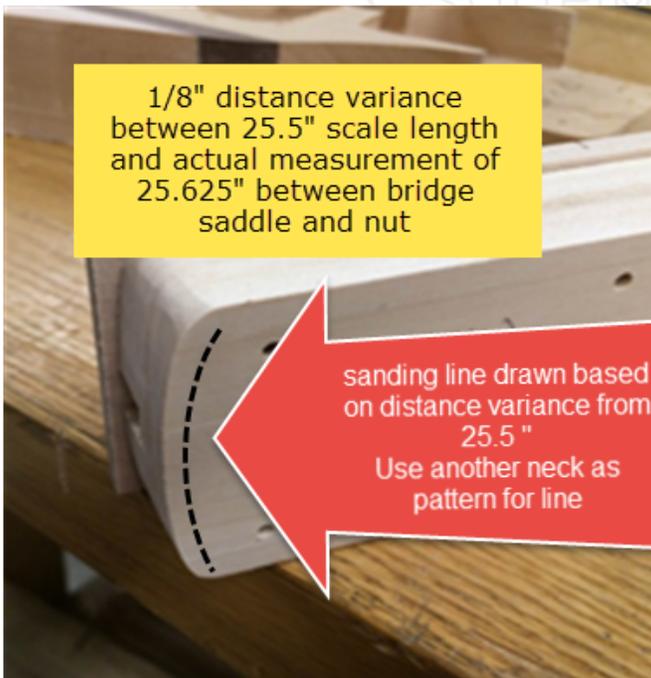
Before neck sanding distance 25.625"



After Neck Sanding distance 25.5"

(Note: In the above images showing the e' saddle distance of 25.5" from the nut, the measurement started at the 1")

Repair If the neck is not glued to the fretboard.



Draw an arc on the bottom of the neck using another neck as a pattern. The distance that the 25.5 dimension (bridge e' saddle to face of nut) is off from the 25.5" needs to be removed from the heel end of the neck.

Repair If the neck is glued to the fretboard.

Use the same technique of using a neck as a pattern to mark the distance on the bottom of the neck. Use a rasp to remove most of the material. Then follow it up with a file to smooth the

surface. Finally, use sand paper for final finish.

Starting Feb 2016 kits have been updated to not have a measurement error.