



National Reso-Phonic Guitars

Compensated Biscuit-Bridge

Installation Instructions

You will need:

Provided Compensated Biscuit-Bridge base, maple saddle, mahogany block, and sandpaper

Straight edge

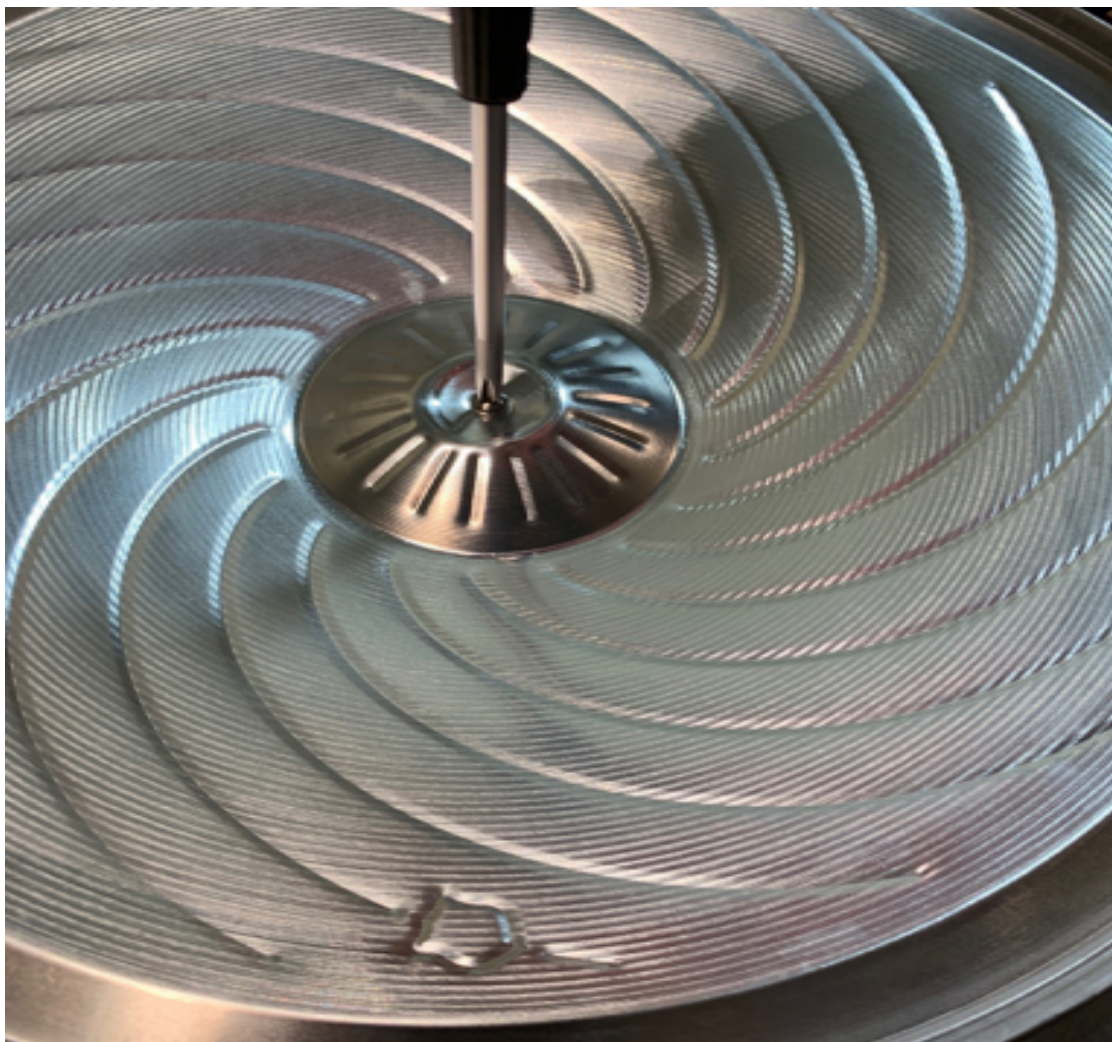
6" steel rule

Small Phillips-head screwdriver

Yellow glue

1/16th Allen wrench (necessary if guitar has a removable handrest)

1. Detune the strings and remove the tailpiece and coverplate.
2. Carefully lift the biscuit and cone assembly out of the guitar and unscrew the biscuit-bridge from the cone:



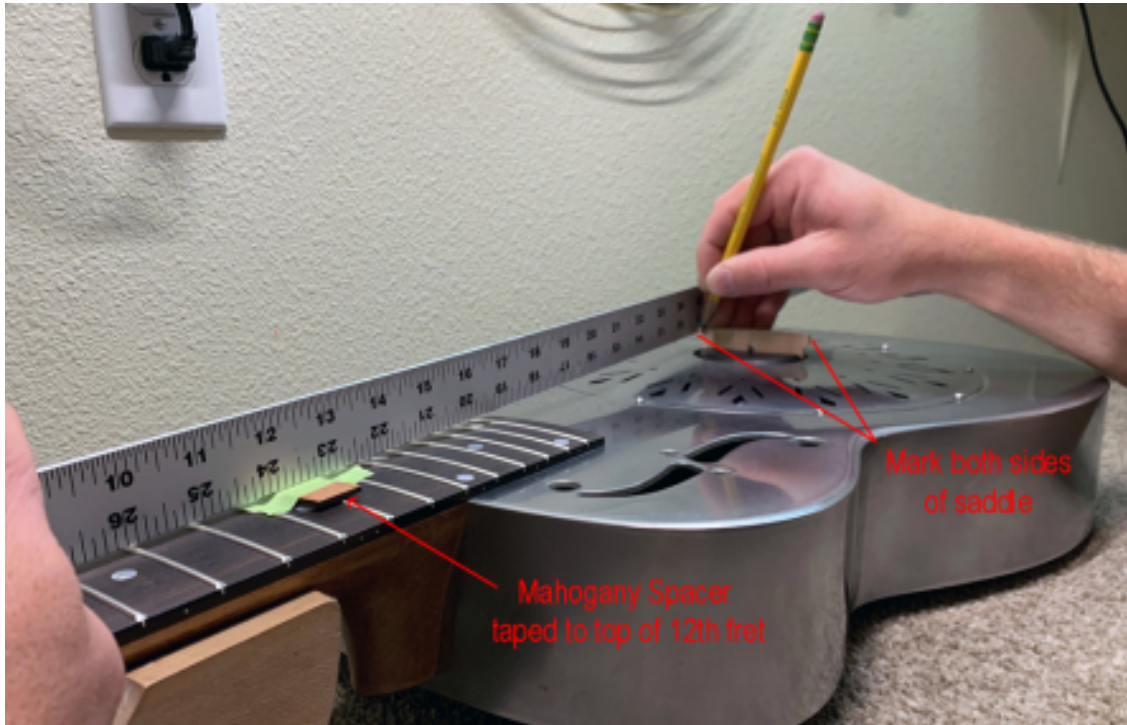
3. Insert the compensated saddle in the biscuit base and carefully mount it to the cone using a small Phillips-head screwdriver. Use a few drops of yellow glue between the biscuit-bridge base and cone to lock them together and prevent future movement.



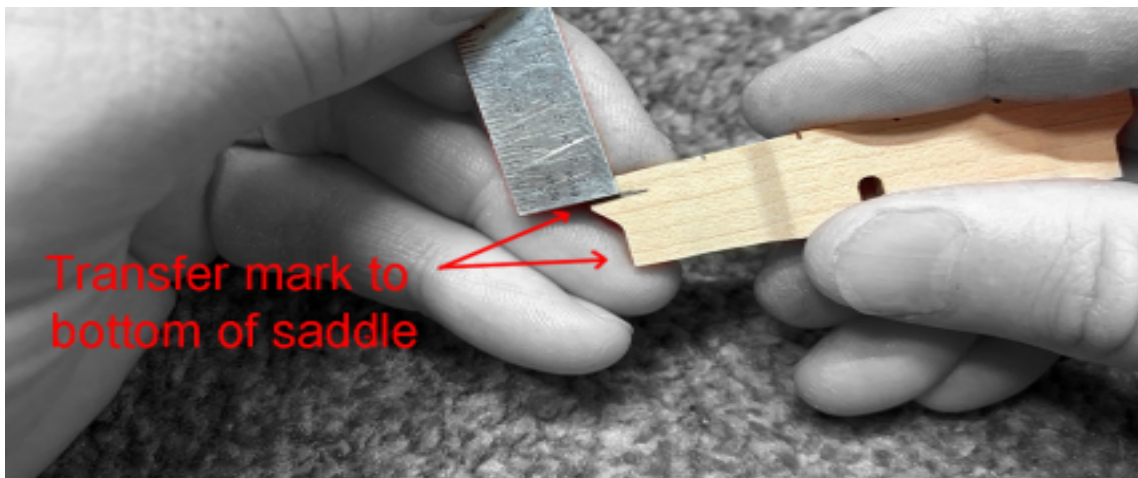
4. Reinstall the biscuit-bridge/cone assembly. If your guitar has a removable handrest remove it using a 1/16th Allen wrench and reinstall the coverplate. If you do not have a removable handrest leave the coverplate off. Reinstall the tailpiece.

Initial Setup

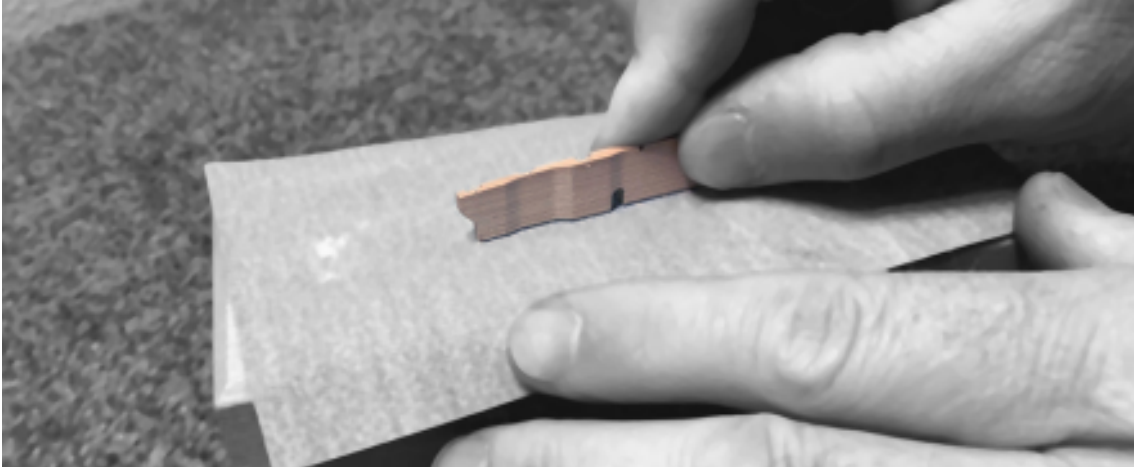
5. Tape the provided Mahogany block over the 12th fret. Place a long straight edge on top of the fretboard so it is touching the first fret and the Mahogany block at the 12th fret. Mark a line on both sides where the straight edge meets the saddle:



6. Measure the distance between your line and the top of the saddle. Using that measurement, mark the same distance from the BOTTOM of the saddle:



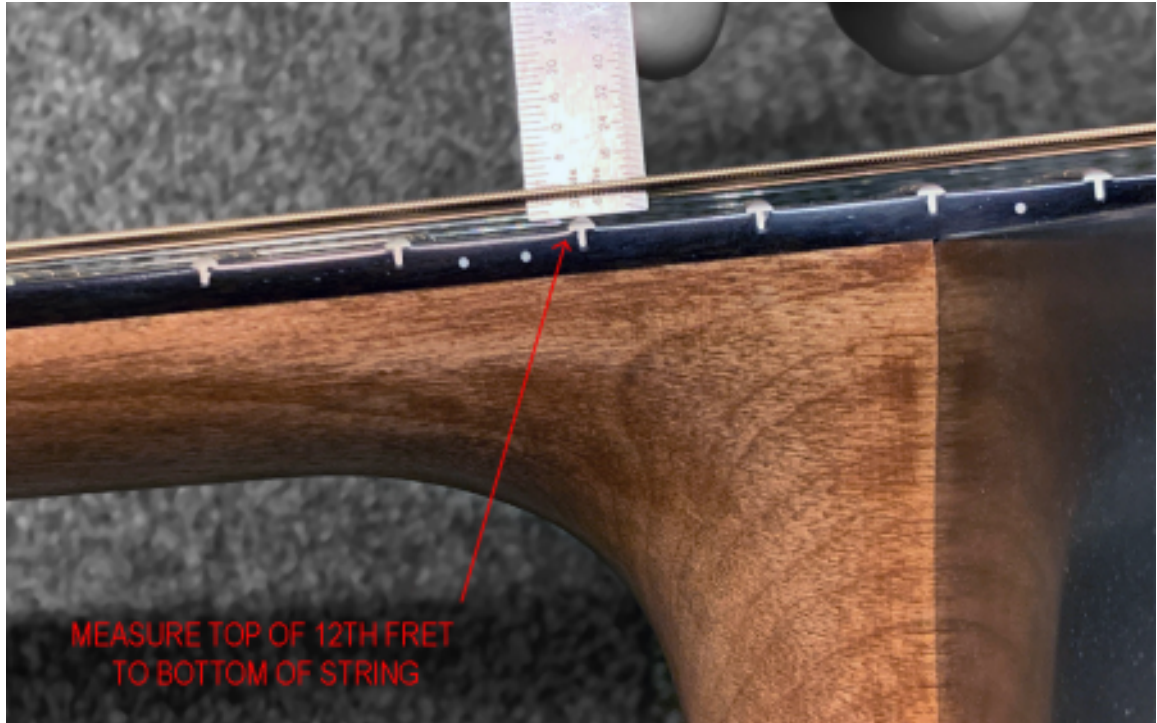
7. Using the provided sandpaper on a flat surface, sand the bottom of the saddle to the line. Install the saddle.



8. Restring your guitar and tune to pitch and proceed to final setup.

Final Setup

9. Using a 6" steel rule, measure the gap from the top of the 12th fret to the bottom of the high E and low E strings:



10. Detune the strings, remove the saddle, and sand it down to your desired height. For each 1/64th you would like to lower the action at the 12th fret, you will need to remove about 1/32nd from the underside of the saddle. Use a pencil to mark a line on both the bass and treble sides of the saddle, then sand down to those marks with 120 grit sandpaper on a flat surface and reinstall. Set the height at the saddle and check the action at the 12th fret, measuring from the top of the fret to the bottom of the string. Factory measurements are:

High E string: 5/64ths (1.98mm)

Low E string: 6/64ths (2.38mm)

11. If the action still needs to come down at the 12th fret, repeat the prior step. Once you have reached your desired string action height, reinstall the coverplate or removable handrest (using a 1/16th Allen wrench).

Full factory setup specs and factory string gauges can be found on our website at nationalguitars.com.

Call us at 805-546-8442 from 8 a.m.–4 p.m. PT, Tuesday–Friday if you have any questions.