



Resonator Assembly Instructions

The FR330BE has a floating spider bridge/single cone resonator. The spider bridge floats on the aluminum cone under the cone cover (the metal cover on the top of the guitar). We cannot permanently fix the spider bridge to the cone – the vibration of these parts against each other is key to producing the “resonator sound.” So - to assemble the collapsible resonator guitar, you need to ensure the spider bridge is positioned properly, and the maple saddle is seated properly with strings in the string slots. To achieve this, follow these steps:

Assembly Process:

1. Prior to “clicking” the neck latch into place, position the neck in the slot at an angle, and ensure:
 - a. The two maple saddles are aligned with the edges of the saddle slot.
 - b. The strings are in the saddle string slots in each of the maple saddles.



2. The neck should be in the slot at an angle, which will put mild tension on the strings. When the neck is in this position you can easily check the position of the two maple bridges and ensure the strings are in the string slots on the saddles.



- Now use a toothpick, Q-tip, pen tip, or other non-abrasive implement, you can push the spider bridge contact points so that they are centered at the 12:00, 3:00, and 9:00 holes in the resonator cone. You can “twist” the position of the spider bridge so that it is positioned properly. If these points are not centered, you will likely experience high action or poor intonation.



- Once the spider bridge is in place, press the neck down fully in the slot, so that the latch clicks into place.

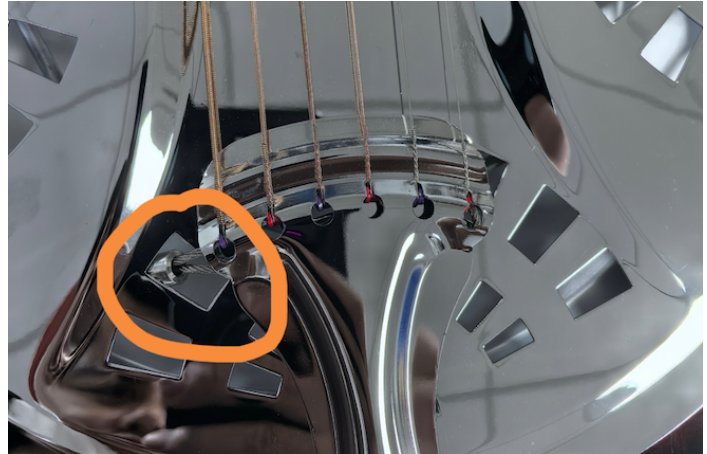
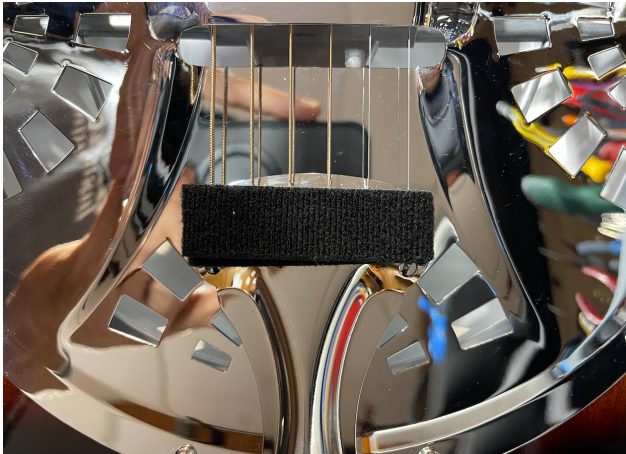


- After the neck clicks into place in the neck slot, you can pick up the guitar and twist the knob to fully tighten and secure the neck.



Disassembly:

1. When you disassemble the neck, be sure to wrap the Velcro strap TIGHTLY around the strings on the bridge, or ensure you have the cable lock in place. The Velcro strap holds the strings in place only if it is TIGHTLY wrapped. If your guitar didn't come with a Velcro strap, it has a cable lock. The cable lock goes through the string ball ends and needs to be attached and locked (with the hex wrench) any time you change a string or string set.



Left: Velcro strap to hold strings in place. Right: Cable lock with hex nut through string ball ends.

FYI: Below is a picture of the spider bridge with the resonator cover removed. When the maple saddles are positioned properly, they are flush with the edges of the saddle slot and there is a gap between them for the saddle screw – which is used to adjust the resonance of the cone.

