

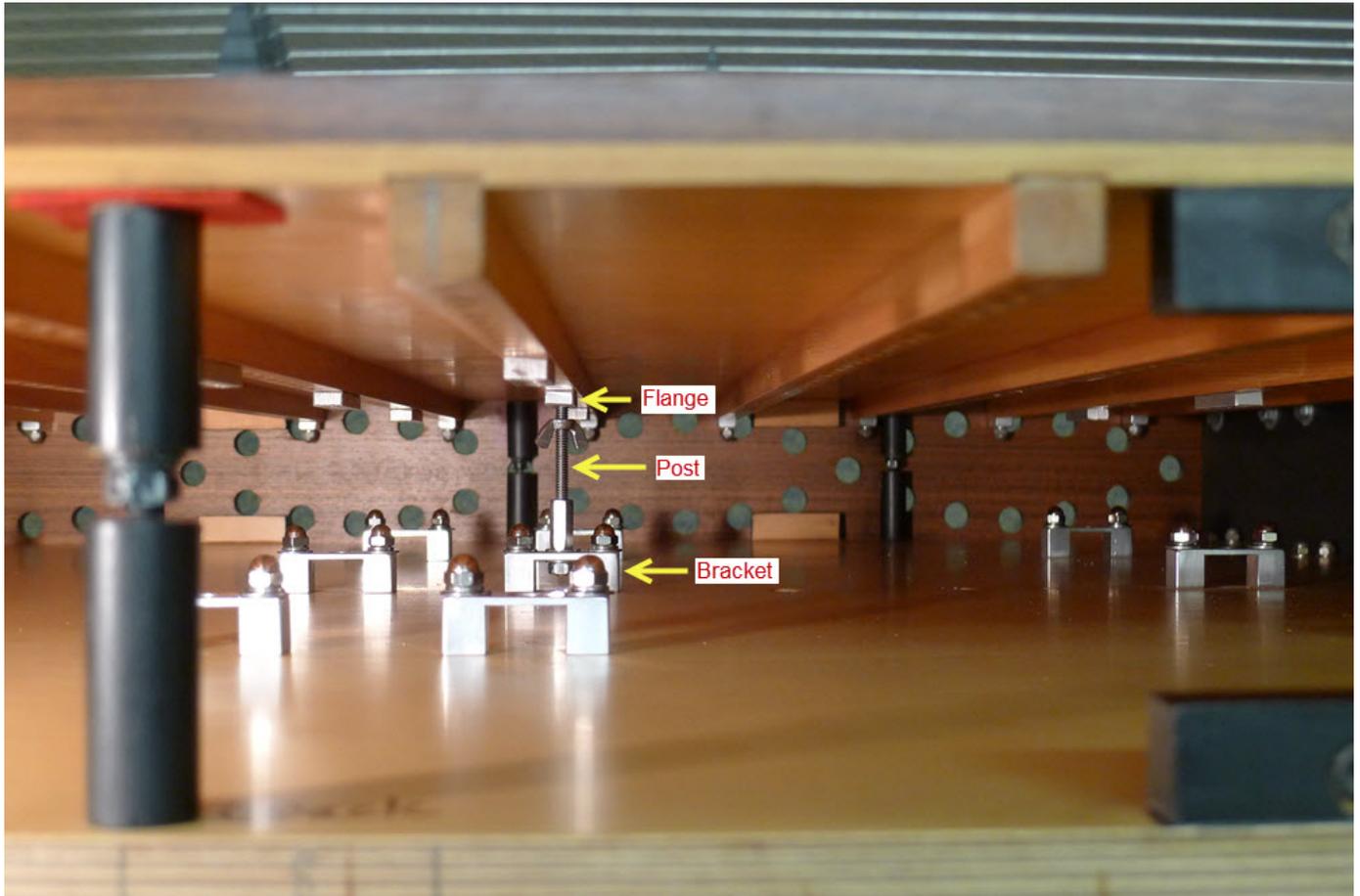
Canons Soundboard Support Posts Manual

Harmonic/Melodic Canon

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The Harmonic/Melodic Canon and Bass Canon soundboard support posts consist of three basic components: a $\frac{1}{4}$ -20 threaded stainless steel post, an aluminum flange that attaches the post to the soundboard rib, and an aluminum bracket that attaches the post to the canon bottom. The fasteners include (1) below the flange, a wing nut bonded to the post with Loctite #217, (2) above the bracket hole, a coupling nut and washer, and (3) below the bracket hole, a hex nut and washer. All fasteners are stainless steel. The wing nut serves as a handle for screwing and hand tightening the post into the flange. I use the coupling nut and hex nut to raise and lower the soundboard in very small increments. When the soundboard is flat, I jam these two nuts together. This locks and stabilizes the horizontal surface area of the soundboard. Consequently, the height of the strings above the soundboard is constant at all locations of the soundboard.

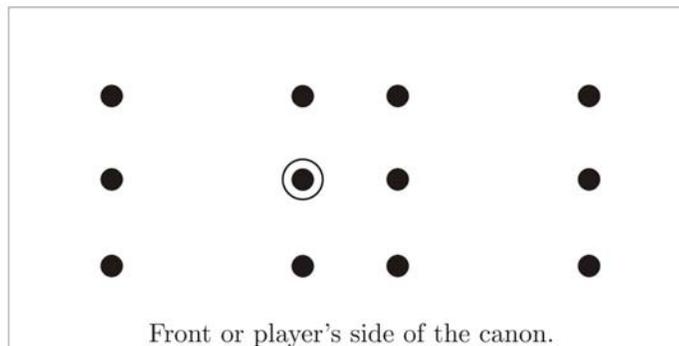
I took the photo below from the back side, or opposite the front or player's side of the instrument.



I posted the following instructions inside the back of the canon.

Harmonic/Melodic Canon

As indicated by the circled dot, this instrument requires only one support post near the center of the soundboard. Additional posts will significantly dampen the vibrational motion of the soundboard.



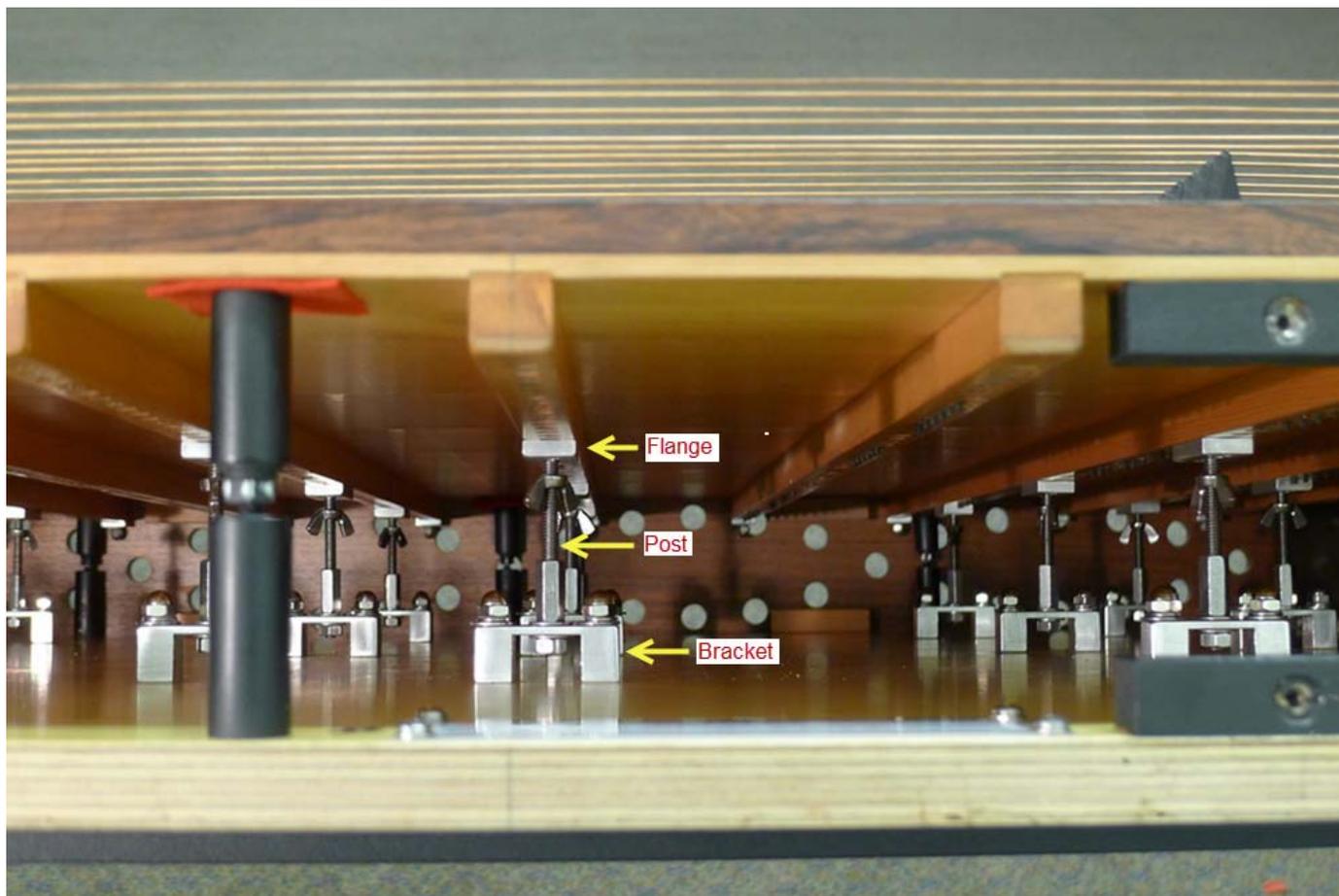
Eleven additional posts are *not* connected to the soundboard. Connect and adjust these posts only if the soundboard undergoes noticeable bending. After adjusting the posts, monitor the flatness of the soundboard with a long ruler. Disconnect the posts after the soundboard is flat again.

Twelve extra H/M Canon posts and fasteners, and one extra bracket are located in the Canons (5) tools and parts box. See: https://chrysalis-foundation.org/Canons_Tools&Parts.pdf

Bass Canon

The Bass Canon soundboard support post components and fasteners consist of the same parts as the H/M Canon. However, the Bass Canon flanges are slightly wider, the brackets are slightly higher, and the posts are slightly shorter. See the Canons (5) tools and parts box for detailed dimensions.

I took the photo below from the back side, or opposite the front or player's side of the instrument.



I posted the following instructions inside the back of the canon.

Bass Canon

Due to a long soundboard and a large number of wound strings, this instrument requires all eighteen soundboard support posts. Because these wound strings have a long ring-time, the posts do not significantly dampen the vibrational motion of the soundboard.

One extra Bass Canon post and fasteners, four extra flanges, and one extra bracket are also located in the Canons (5) tools and parts box.