



Installation/Maintenance Instructions- Wrought iron Sculptures

Installation Instructions

1. Harp must be firmly mounted to a sturdy structure(see top left picture for deck mounting) such as metal or wood; stone or concrete not recommended, preferably the base of the harp should be 2-3 feet up off the ground. **Cone can go at bottom or top, harps are reversible.** 1 lag screws(provided) with washers(see top center picture, if mounting on flat surface such as deck rail, one screw and washer OK) or ¼” bolts, washers and nuts is recommended mounting hardware. **String adjusting screws can come loose in shipping, check and tighten before installing if needed. Harp must be firmly attached; it cannot swing in the breeze**

2. Also importantly, make sure you position harp in an open, breezy area. Best location is typically southwest(wherever prevailing winds come from). Sounds are very subtle; background (road or other) noise will interfere. **Harp works best in 8-12 mph breeze. It may take several days for harp to adjust to outside conditions, but it will start singing then. Humidity and temperature changes can affect sound slightly. Rain will stop sound till strings dry off. After installation, wait 2-3 days before adjusting tautness, as it is not necessary, and not recommended, in most cases. It may be necessary to turn the whole unit for best results, rotate 15-20 degrees, and try again as necessary.**

Maintenance/Care Instructions

1. Re-paint as required if rusting appears. Wire brush away rust and apply any good outdoor enamel primer and finish coat. You should not paint copper or stainless cones, they should patina naturally to blue/green. Tensioning screws and nuts should not be painted as the paint may interfere with proper working.
2. **Titanium(infrequently) or nylon(several times/year) harp strings may need adjusted at times, middle “C” is ideal. You can change pitch by adjusting tightness, the tighter the strings, the higher the pitch, the looser the lower the pitch. Loosen nut 1st, then tighten cap screw (see top right picture), and then re-tighten nut using two 7/16” wrenches-see picture at top. Start at one side of harp and work all the way around unit, tightening each screw 1/8- 1/4 turns. Repeat as needed.**
3. **When properly tensioned the string when plucked, should make “pling” sound, not a thunk sound. Strings must be very taut to work properly. Tighten, and then let rest a full day. Repeat this process until satisfied with sound. Do not over-tighten strings as you can break strings or even distort the frame or cone if too tight. Some distortion of cone is normal.**

Replacement strings for sale upon request. If you have any questions about maintenance or Installation, please feel free to call or email. **Caution: Harp adjusting screws can be 8-12 feet from the ground-do not lean a ladder against the harp or stand. If harp is too high, it is recommended to remove harp from stand, adjust strings then place harp back on stand. Also, a tall step ladder and a helper may be needed.**

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