

Aubrey J. Sheldon – WØEB

Round Bar Dot Stabilizer Rev. C Installation Instructions. Released to the public domain 11/04/2023.

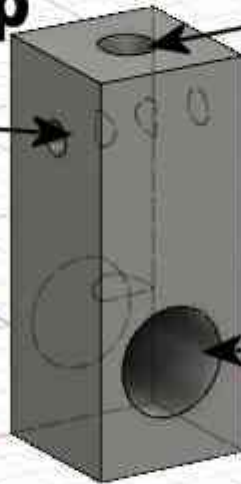
To mount the dot stabilizer, first slide the weight completely off the pendulum arm. **Remove the top setscrew and the hook assembly from the DS mounting bar and be careful not to lose them. (An extra setscrew has been included just in case.) There is a second setscrew under the top one and this is used to anchor the mounting bar to the pendulum rod. The loose setscrew is a SPARE.** Slide the bar all the way on the pendulum until it touches the dot contact mounting collar, make sure it's vertical and anchor it snugly with the internal setscrew. Now start the setscrew you originally removed and insert the hook in the small hole so it looks like the one in the picture. Slide the wire into the mounting block and adjust the hook until it just barely touches the contact spring – this is touchy and may take several tries. Lock the hook wire in place with the top set screw.

Since this will change your original timing and spacing, you will need to adjust the dot stop screw and the fixed dot contact for proper operation of the bug. When holding the dot paddle, strive for at least 20 dots before it stops and stays keyed. In order to ensure “scratch free” dots, it's usually necessary to properly align and clean the contacts as well. Picture is of one installed on a Vibroplex Original, but these instructions apply to all bugs that have the round pendulum. Enjoy – Jim, WØEB



1/4" square by 5/8" long

**.125" from top
.055" drill
through**



**#43 Drill through
to pendulum
hole, tap 4-40
.4" top to bot.**

**11/64" drill
through**

**Vibroplex Original, Standard
and all round pendulum
Dot Stabilizer**

The wire hook that fits in the .055" hole needs to be bent in a shape to fit the bug the stabilizer is installed on and should be made from carefully shaped .055 piano wire available from Amazon and other sources. Set screws should be 4-40 by 1/8" and two are used. One to secure the device to the pendulum and one at the top to secure the snubber hook.

For the McElroy bugs which have a larger diameter pendulum, the 11/64" hole should be enlarged by drilling to 3/16". Other than that there is no difference between McElroy and Vibroplex round pendulum bugs.