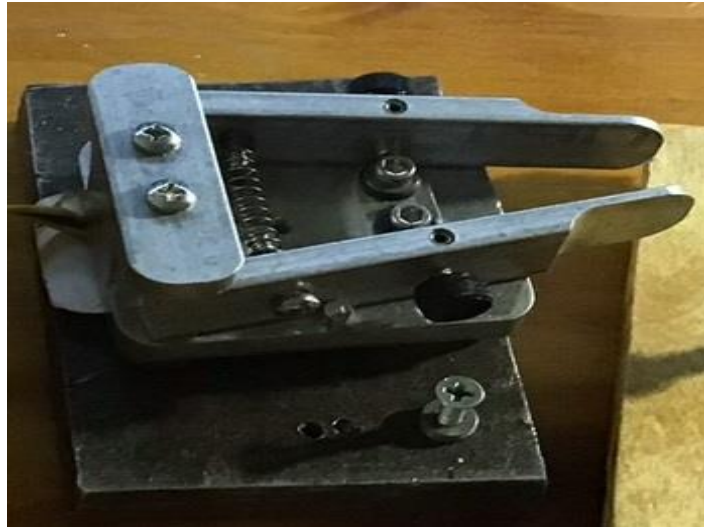


How to make a protective box for your paddles.

This is for my American Morse Porta Paddle I kit



I used  $\frac{1}{4}$  inch plywood. I found local Home Depot had small sheets.

4 – 2-56 x  $\frac{1}{2}$  in SS screws.

1 8-32 x  $\frac{3}{4}$  in SS screw and nut for handle for front.

$\frac{1}{2}$  x  $\frac{1}{2}$  x 2 in foam block.

1: measure how much you need by

2: measure your paddles with base, Mine was 2.75 x 3.5 (include the paddle part, so it is End to End,

3: Layout pieces, Top and Bottom,  $\frac{1}{2}$  in wider than the base of the paddle,  
 $\frac{3}{4}$  in longer than End to End measurement

(additional  $\frac{1}{2}$  inch for foam piece to sit between base of paddle and back).

Sides, Same length as Top/Bottom,  $\frac{1}{16}$  in higher than overall height of paddles.

(you will use some masking tape to eat this up so paddles are snug fit in box).

Front/Back  $\frac{1}{2}$  in Smaller than Top/Bottom is wide, Same height as sides.

4: draw them out on sheet of paper to determine size of plywood needed, plan on  $\frac{1}{16}$  in minimum for your saw blade.

5: Procure plywood and cut pieces, Sand corners.

6: Assemble sides to bottom with wood glue ( no nails needed), Use paddle base to support inside and another weight on outside. I use Titebond glue

7 Assemble back to sides and bottom with wood glue after drilling 3/8 in hole in back for wire exit. ( 3/8 in should give you clearance for 1/8 inch phone plug at end of wire from paddles.

8 Assemble top to #7 with wood glue

9 Drill clearance holes for screws to hold front on. Drill hole in front for handle.

10 Glue foam block to bottom at back for cushion for paddle.

I added holes for screws on the top for spares and to hold the 4 when I am using the paddles. Taped adjustment wrench to top.



Box with foam in back for cushion.



Build up bottom of paddle with masking tape for snug fit, so it does not rattle around. I

use them right in box, no need to remove.

done:

