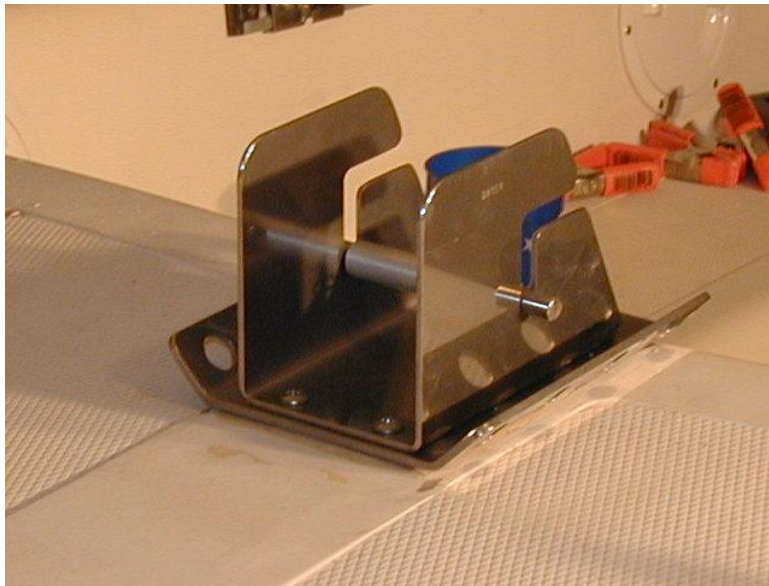


# Mast Step Upgrade By Rey Garza

I finally decided to replace my old mast step with the new design.



Original mast step.



New and improved mast step (tabernacle) with optional halyard organizer.

## Parts and Tools

You can order the required and optional parts from the Dwyer Aluminum Mast Company - <http://www.dwyermast.com/>



Tabernacle DH 2175L

Tabernacle pin DH 2174P (specify tabernacle DH 2175L)



Optional halyard organizer plate DH 288

### Tools-

- Cold chisel
- Hammer
- Screwdriver
- Drill and drill bits
- Hacksaw

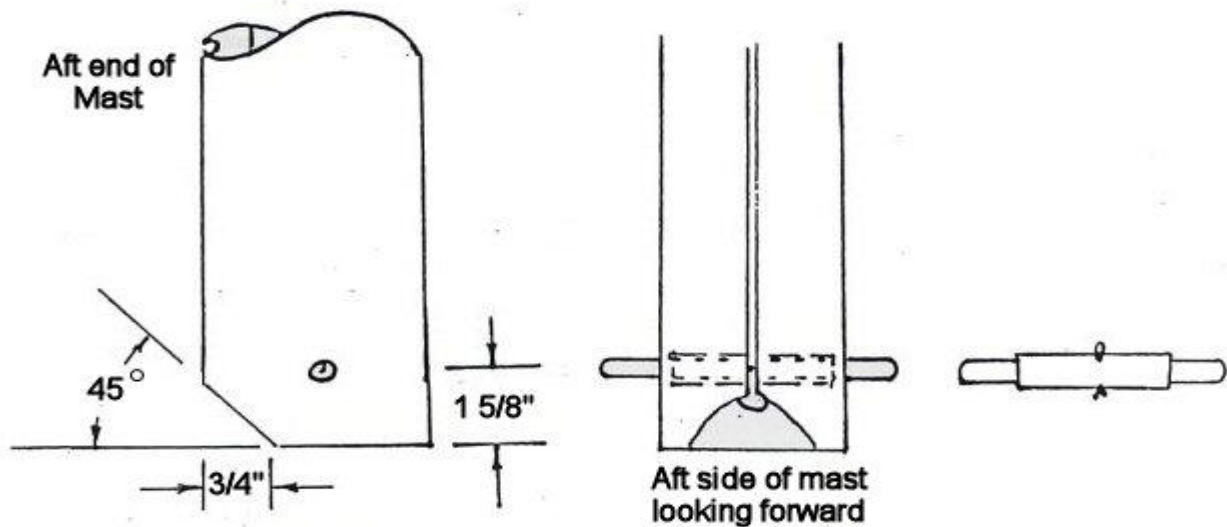
### Supplies-

- West System with thickener
- Masking tape

## Installation

First remove the old mast step. Place the new step in position then mark and drill pilot holes. It is a good idea to fill unused holes with thickened epoxy. Apply masking tape under the hull to prevent the thickened epoxy from leaving the hole. Finally screw the new step in place.

The pin in the picture above goes through the mast and is what holds the mast in the step. Instructions for the installation of the pin and preparation of the mast are below.



#### Installing the tabernacle pin

First you must remove the old mast step from the bottom of the mast. It should simply be riveted to the mast, so after you remove the rivets it should come off. Use a cold chisel and a hammer to cut the top of the rivets off. Then use a punch to push the rivet out.

Once the bottom has been removed cut a 45 degree bevel in the aft corner of the mast at the foot. This cut enables the corner of the mast to clear the tabernacle when the mast is being raised.

Next drill a 5/16" diameter hole through the mast from port to starboard. This hole should be located 1 5/8" up from the bottom of the mast, (you may want to measure the distance from the bottom of the slot to the bottom of the tabernacle so that this measurement is more accurate). In the fore and aft direction it should be drilled in the center or widest point of the mast. Install the mast pin in this hole, locating the tubing spacer inside the mast extrusion, and pinning this tube in place using the cotter pin provided. This will center the pin and allow equal amounts to stick out from each side of the mast. The pin is what engages with the slot in the tabernacle.