

Zimbra**magene@mbari.org**

Re: more things...

From : Paul Coenen <coenen@mbari.org>

Wed, Jul 25, 2018 04:39 PM

Subject : Re: more things...**To :** Gene Massion <magene@mbari.org>**Reply To :** Paul Coenen <coenen@mbari.org>

In addition...

The three 4-40 x .25 screws that attach the Swagelok valve to that aforementioned MVValveMountingPlate need to be changed from that 1/4" length to 3/16" length. This is because the countersink holes in the plate are too deep on all the parts... you specified .265 at 82 degrees, and they measure at .295 on the one I actually used a gauge on. (The others were definitely bigger than .265, but that was caliper and eyeball)

Yea...

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Paul Coenen  
coenen at mbari dot org  
Monterey Bay Aquarium Research Institute  
7700 Sandholdt Road  
Moss Landing, CA 95039  
831.775.2099

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Work to Eat. Eat to Live. Live to Bike. Bike to Work.

From: "Paul Coenen" <coenen@mbari.org>**To:** "Gene Massion" <magene@mbari.org>**Sent:** Wednesday, July 25, 2018 4:05:45 PM**Subject:** more things...

The screws that are holding the oilydyneTopBracket onto the pump are still spec'd wrong. In the assembly drawing, there are only two in the assembly (there needs to be four), and they are 10-24 x 1.5. Because it appears that the TopBracket was changed at some point, those screws only need to be ~5/8" long. I've got a pack on an order with McMaster.

In the motorized valve assembly, there are four screws that hold the two plates together forming a cage outside the coupler... those screws are spec'd as 1.5" long. They get into the threads a little, but seem very close to enough thread engagement. I ordered (and received) some 1-5/8" screws, and they definitely thread in far enough. They still come out shy of protruding through the threaded plate...

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coenen at mbari dot org  
Monterey Bay Aquarium Research Institute  
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Moss Landing, CA 95039  
831.775.2099  
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