biopod™

The Smart Microhabitat

Setup Guide

ONE
TERRA
AQUA
AQUA II

Vision

Develop products that are innovative in design and function, inspiring users to experience and participate in the conservation of our planet.

Technology

Biopod is an app controlled ecosystem that replicates real environments. Biopod regulates temperature, light, humidity, ventilation and rainfall.

Conservation

Biopod is partnering with conservation groups from around the world. Our technology is being used to promote conservation of both plants and animals.

Terms of Use

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WHAT IS COVERED BY THIS WARRANTY?
Biopod Systems Inc. of Calgary, Canada ("Biopod") warrants the Biopod-branded hardware product and Biopod-branded accessories contained in the original packaging ("Biopod Product") against defects in materials and workmanship when used normally in accordance with Biopod's published guidelines for a period of ONE (1) YEAR from the date of original retail purchase by the end-user purchaser ("Warranty Period"). Biopod's published guidelines include but are not limited to information contained in technical specifications, user manuals and service communications.

WHAT IS NOT COVERED BY THIS WARRANTY?
This Warranty does not apply to any non-Biopod branded hardware products or any software, even if packaged or sold with Biopod hardware. Manufacturers, suppliers, or publishers, other than Biopod, may provide their own warranties to you – please contact them for further information. Software distributed by Biopod with or without the Biopod brand (including, but not limited to system software) is not covered by this Warranty. Please refer to the licensing agreement accompanying the software for details of your rights with respect to its use. Biopod does not warrant that the operation of the Biopod Product will be uninterrupted or error-free. Biopod is not responsible for damage arising from failure to follow instructions relating to the Biopod Product's use.
This Warranty does not apply: (a) to consumable parts, such as batteries or protective coatings that are designed to diminish over time, unless failure has occurred due to a defect in materials or workmanship; (b) to cosmetic damage, including but not limited to scratches, dents and broken plastic on ports unless failure has occurred due to a defect in materials or workmanship; (c) to damage caused by use with a third party component or product that does not meet the Biopod Product's specifications (Biopod Product specifications are available www.biopod.com under the technical specifications for each product and also available in stores); (d) to damage caused by accident, abuse, misuse, fire, liquid contact, earthquake or other external cause; (e) to damage caused by operating the Biopod Product outside Biopod's published guidelines; (f) to damage caused by service (including upgrades and expansions) performed by anyone who is not a representative of Biopod or an Biopod Authorized Service Provider ("AASP"); (g) to an Biopod Product that has been modified to alter functionality or capability without the written permission of Biopod; (h) to defects caused by normal wear and tear or otherwise due to the normal aging of the Biopod Product; (i) if any serial number has been removed or defaced from the Biopod Product; or (j) if Biopod receives information from relevant public authorities that the product has been stolen or if you are unable to deactivate passcode-enabled or other security measures designed to prevent unauthorized access to the Biopod Product, and you cannot prove in any way that you are the authorized user of the product (eg. by presenting proof of purchase).

YOUR RESPONSIBILITIES
Before receiving warranty service, Biopod or its agents may require that you furnish proof of purchase details, respond to questions designed to assist with diagnosing potential issues and follow Biopod's procedures for obtaining warranty service. DURING WARRANTY SERVICE IT IS POSSIBLE THAT THE CONTENTS OF THE Biopod PRODUCT'S STORAGE MEDIA WILL BE LOST, REPLACED OR REFORMATTED. IN SUCH AN EVENT BIOPOD AND ITS AGENTS ARE NOT RESPONSIBLE FOR ANY LOSS OF SOFTWARE PROGRAMS, DATA OR OTHER INFORMATION CONTAINED ON THE STORAGE MEDIA OR ANY OTHER PART OF THE Biopod PRODUCT SERVICED.
Following warranty service your Biopod Product or a replacement device will be returned to you as your Biopod Product was configured when originally purchased, subject to applicable updates. You will be responsible for reinstalling all other software programs, data and information. Recovery and reinstallation of other software programs, data and information are not covered under this Warranty.
WHAT WILL Biopod DO IN THE EVENT THE WARRANTY IS BREACHED?
If during the Warranty Period you submit a claim to Biopod or an AASP in accordance with this warranty, Biopod will, at its option:
(i) repair the Biopod Product using new or previously used parts that are equivalent to new in performance and reliability,
(ii) replace the Biopod Product with the same model (or with your consent a product that has similar functionality) formed from new and/or previously used parts that are equivalent to new in performance and reliability, or
(iii) exchange the Biopod Product for a refund of your purchase price.
Biopod may request that you replace certain user-installable parts or Biopod Products. A replacement part or Biopod Product, including a user-installable part that has been installed in accordance with instructions provided by Biopod, assumes the remaining term of the Warranty or ninety (90) days from the date of replacement or repair, whichever provides longer coverage for you. When a Biopod Product or part is replaced or a refund provided, any replacement item becomes your property and the replaced or refunded item becomes Biopod's property.
HOW TO OBTAIN WARRANTY SERVICE?
Please access and review the online help resources described below before seeking warranty service. If the Biopod Product is still not functioning properly after making use of these resources, please contact an Biopod representative or, if applicable, an Biopod owned retail store ("Biopod Retail") or AASP, using the information provided below. An Biopod representative or AASP will help determine whether your Biopod Product requires service and, if it does, will inform you how Biopod will provide it. When contacting Biopod via telephone, other charges may apply depending on your location.
Online information with details on obtaining warranty service is provided below.
WARRANTY SERVICE OPTIONS
Biopod will provide warranty service through one or more of the following options:
(i) Carry-in service. You may return your Biopod Product to your original Retailer or AASP location offering carry-in service. Service will be performed at the location, or the Retailer or an AASP may send your Biopod Product to an Biopod Repair Service ("ARS") location to be serviced. Once you are notified that service is complete, you will retrieve the Biopod Product from the Biopod Retail or AASP location without d elay unless Biopod notifies you that the Biopod Product will be sent directly to your location from the ARS location.
(ii) Mail-in service. If Biopod determines that your Biopod Product is eligible for mail-in service, Biopod will send you prepaid waybills and if applicable, packaging material and instructions on how to properly pack and address your Biopod product, so that you may ship your Biopod Product to an ARS or AASP location. Instructions may be sent to you via email or in hard copy with the packaging material. Once service is complete, the ARS or AASP location will return the Biopod Product to you. Biopod will pay for shipping to and from your location if all instructions regarding the method of packaging and shipping the Biopod Product are followed.
(iii) Do-it-yourself (DIY) parts service. DIY parts service allows you to service your own Biopod Product. If DIY parts service is available in the circumstances, the following process will apply.
(a) Service where Biopod requires return of the replaced Biopod Product or part. Biopod may require a credit card authorization as security for the retail price of the replacement Biopod Product or part and applicable shipping costs. If you are unable to provide credit card authorization, DIY parts service may not be available to you and Biopod will offer alternative arrangements for service. Biopod will ship a replacement Biopod Product or part to you with installation instructions, if applicable, and any requirements for the return of the replaced Biopod Product or part. If you follow the instructions, Biopod will cancel the credit card authorization, so you will not be charged for the Biopod Product or part and shipping to and from your location. If you fail to return the replaced Biopod Product or part as instructed or return a replaced product or part that is ineligible for service, Biopod will charge your credit card for the authorized amount.
(b) Service where Biopod does not require return of the replaced Biopod Product or part. Biopod will ship you free of charge a replacement Biopod Product or part accompanied by instructions on installation, if applicable, and any requirements for the disposal of the replaced Biopod Product or part.
(c) Biopod is not responsible for any labor costs you incur relating to DIY parts service. Should you require further assistance, contact Biopod at the telephone number listed below.
Biopod reserves the right to change the method by which Biopod may provide warranty service to you, and your Biopod Product's eligibility to receive a particular method of service. Service will be limited to the options available in the country where service is requested. Service options, parts availability and response times may vary according to country. You may be responsible for shipping and handling charges if the Biopod Product cannot be serviced in the country it is in. If you seek service in a country that is not the country of purchase, you will comply with all applicable import and export laws and regulations and be r esponsible for all custom duties, V.A.T. and other associated taxes and charges. For international service, Biopod may repair or replace Biopod Products and parts with comparable Biopod Products and parts that comply with local standards.
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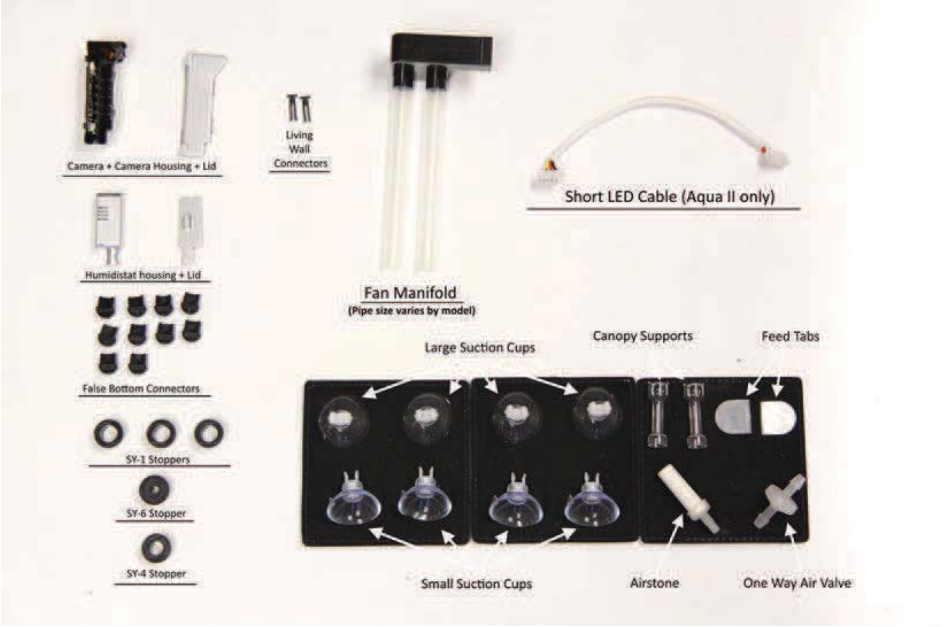
SOME STATES (COUNTRIES AND PROVINCES) DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

GENERAL
No Biopod reseller, agent, or employee is authorized to make any modification, extension, or addition to this Warranty. If any term is held to be illegal or unenforceable, the legality or enforceability of the remaining terms shall not be affected or impaired. This Warranty is governed by and construed under the laws of the country in which the Biopod Product purchase took place. Biopod or its successor in title is the warrantor under this Warranty.

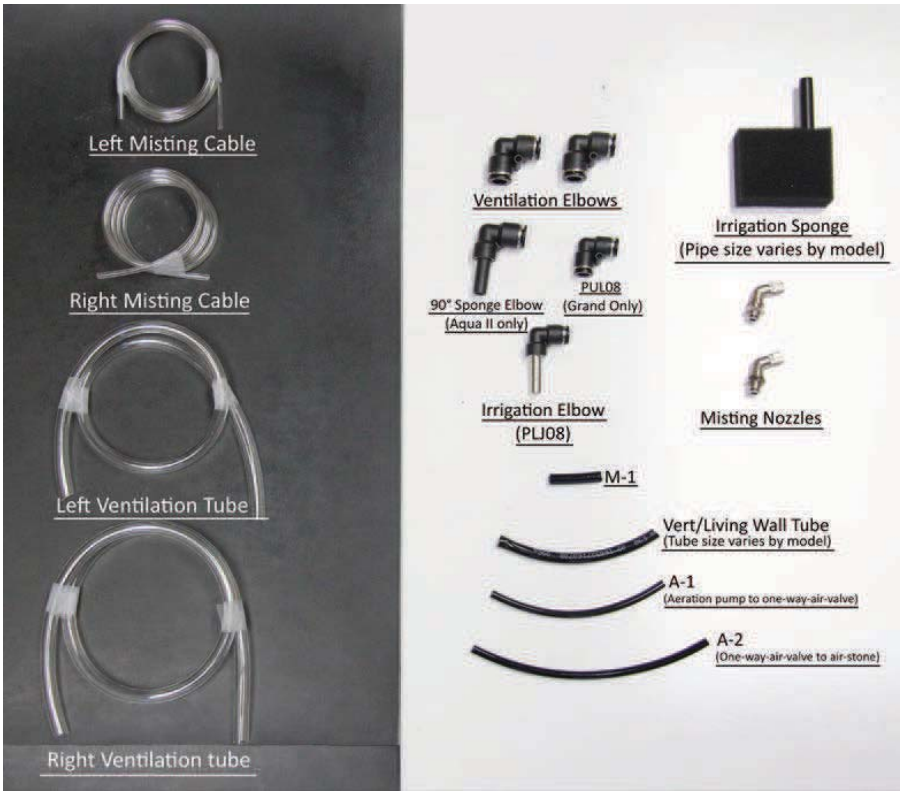
PART 1 – UNBOXING

Step 1. Remove all the large parts from the box carefully, and separate them. Remove the tank from the main box with the help of a friend.

Step 2. The box contains large and medium-sized components, as well as small sized components inside two accessory bags. Ensure you have all these components and in the correct amounts by referring to the component list:



Accessory Bag 1



Accessory Bag 2

PART 2 – TUBE ROUTING & BASE ASSEMBLY

Section 1 - Base

Find the serial number written on your Biopod which is located on the motherboard cover. Copy the serial number for future reference. The serial number is essential for connecting your Biopod to the APP.

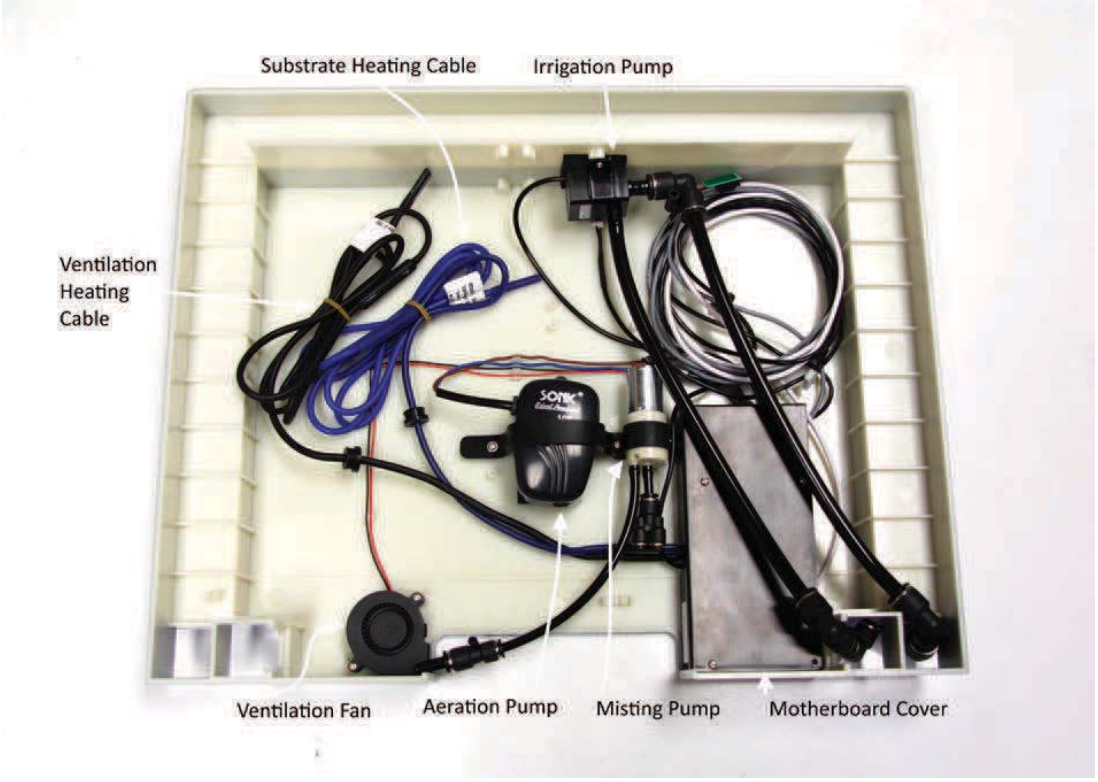


Fig 1

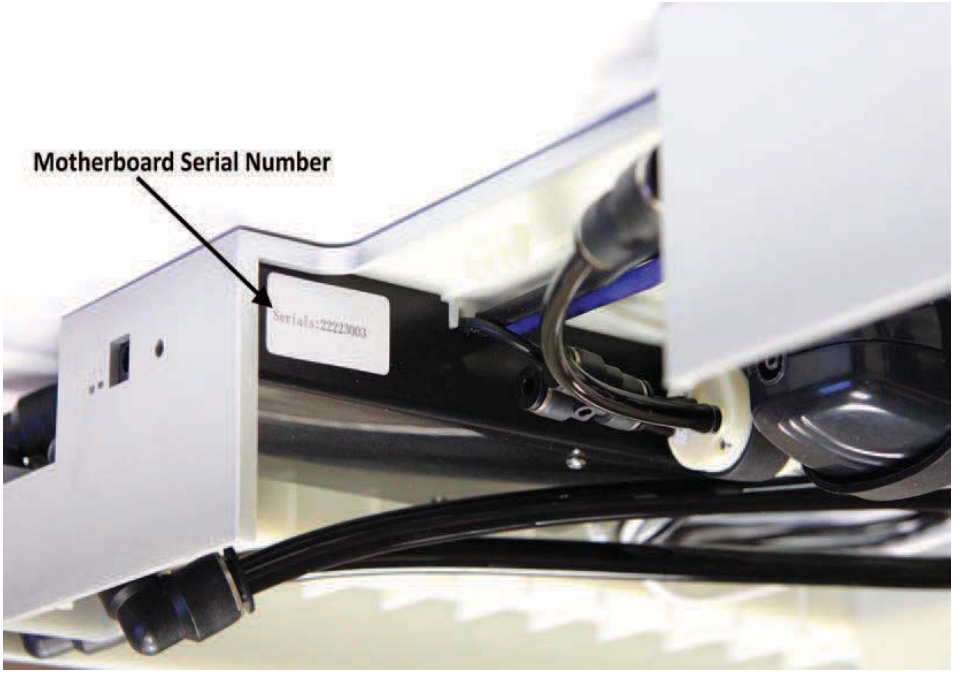


Fig 2

Section 2 – Cable & Tube Routing

Carefully remove tape from any components, and unravel all cables. All unraveled cables must be properly routed now:

Step 1.
The 3 cables and 2 tubes that must be properly routed through the base are:
Light cable (White cable)
Temp/Humidity sensor (Gray cable)
Camera cable (Black cable)
Two misting tubes (Thin clear tubes)
Step 2.

The Light (LED) Cable and the left misting tube must be routed through the bottom left corner of the base. The Temp/Humidity sensor cable, Camera cable, and right misting tube must be routed through the bottom right of the base.

Heating cables & NTC Cable – The two heating cables (blue and black), and the NTC Cable has stoppers attached. These will also go inside the Biopod tank, leave them hanging like shown in Fig 3. Below.

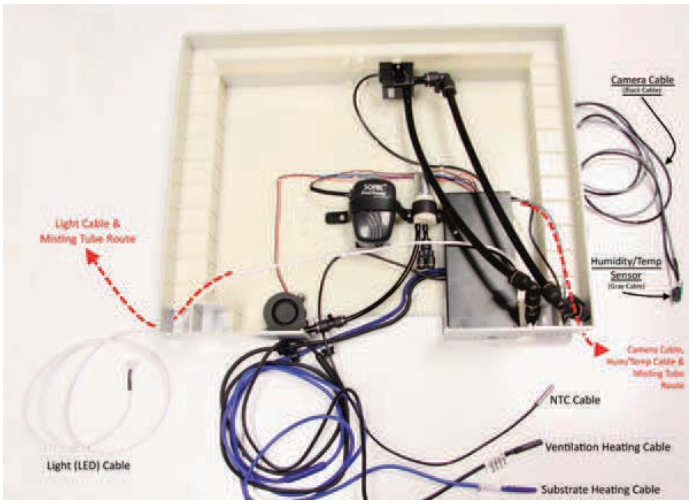


Fig3

Section 3 – Misting tubes

Step 1.
Connect the misting pump tubes. Compare the two misting cables in length. Connect the longer tube into the left connector. You should feel a “click” as you push the tube into the connector.

Fig 4

Step 2.
Connect the shorter tube into the right connector. You should feel a “click” as you push the tube into the connector.

Fig 5

Step 3.
Ensure the tube is secure by gently pulling on it; the tube should not come out even with great force.

Step 4.
Refer to Fig 3. and Fig 6. on how to route and secure the misting cables. Route the left and right tubes (respectively) into the left and right corner holes of the base. Secure in the misting tubes as shown in the figure below.

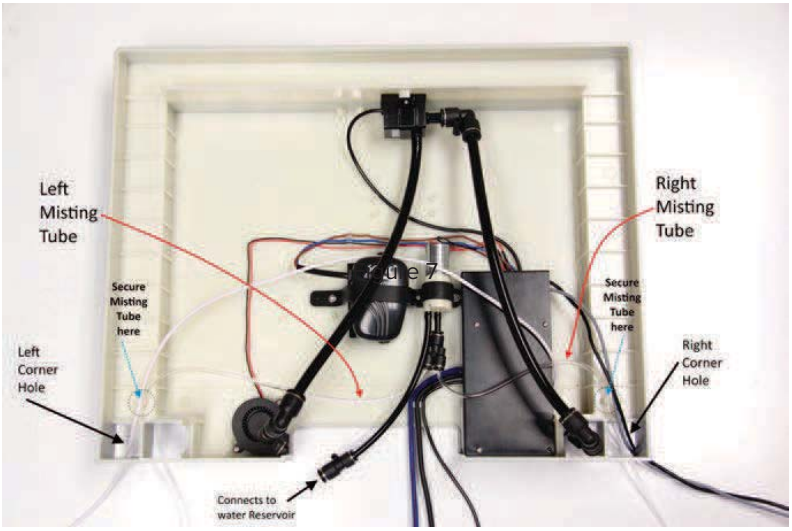


Fig 6

Section 4 – Aeration Tubes

Connect the tubes needed to supply aeration to the Biopod.

Step 1.
Locate 2 thin black tubes (A-1, refer to Accessory Bag 2) with a one-way-air valve attached to it inside the accessory bag with tubes in it. Insert the black tube opposite to the one-way-air-valve into the aeration pump:

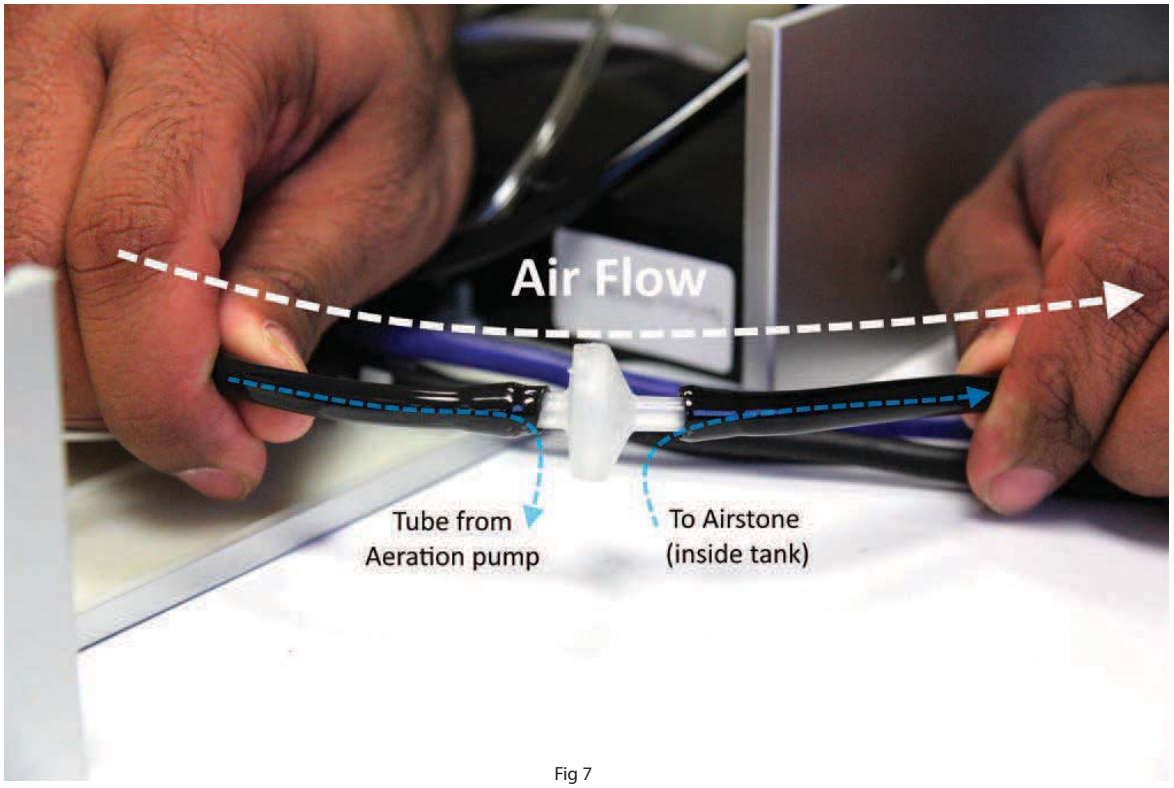


Fig 7

PART 3 – CABLE INSERTION AND INNER TANK

The next steps involve some of the inner tank assembly. Many of these parts fit together tightly, and require the tank to be stabilized and held in place. This part of the assembly will require two people. The assembly is different depending on your Biopod model. The One, Terra and Grand for example are quite similar in this assembly. The Aqua and Aqua II are much different.

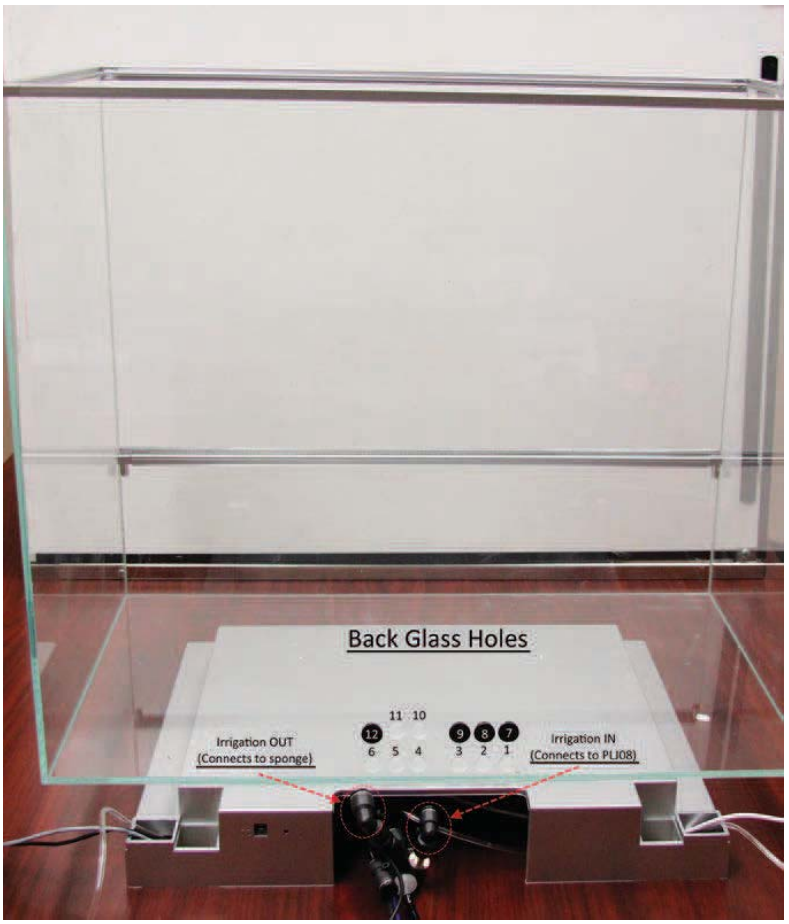


Fig 8

Fig 9

Step 1.
Begin by inserting stopper SY-1 into hole #4. The stoppers are designed to be absolutely water tight, insertion of the sponge + pipe in the next step may be difficult, proceed with care.

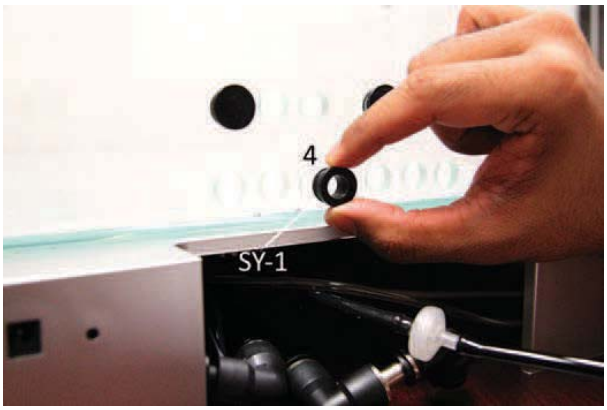


Fig 10

Step 2.
Have a friend push against the stopper from the back using the “Irrigation OUT” elbow (as shown in Fig 8.), while you insert the sponge pipe from the front. (One, Terra, Aqua & Grand models only)

Fig 11

Step 3.
Ensure there is a tight fit.

Fig 12

Step 4. **AQUA II MODEL ONLY!**
Insert the sponge into an extra elbow fitting (PLJ10), then push this elbow fitting into the stopper. This is because the Aqua II has less surface area, and the extra PLJ10 fitting creates a 90° turn. (**Aqua II only**)

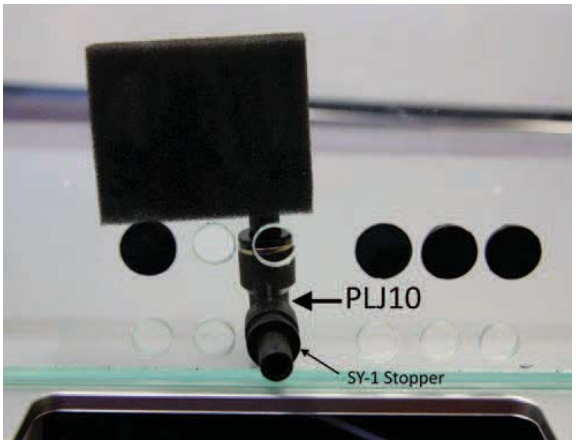


Fig 13 (AQUA II ONLY)

Step 5.
Insert stopper SY-4 into hole #3.

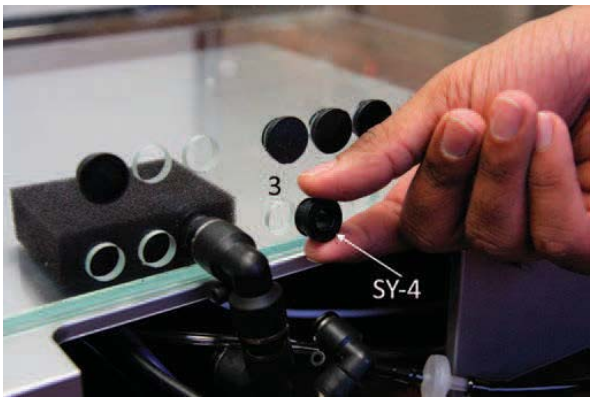


Fig 14

Step 6.
Use the same technique described in previously for the sponge insertion. Use the Irrigation IN elbow (already attached – shown in Fig. 8) to put pressure on the stopper while the PLJ08 elbow is inserted from the inside of the tank.

Fig 15

Step 7.
Ensure there is a tight fit

Fig 16

Step 8
Insert stopper SY-6 into hole #5

Fig 17

Step 9.
Push Airstone Pipe (A-2, the longer black tube) into the stopper, this tube should be connected to the one-way-air-valve as described previously in Part 2, Step 4, Step 1.

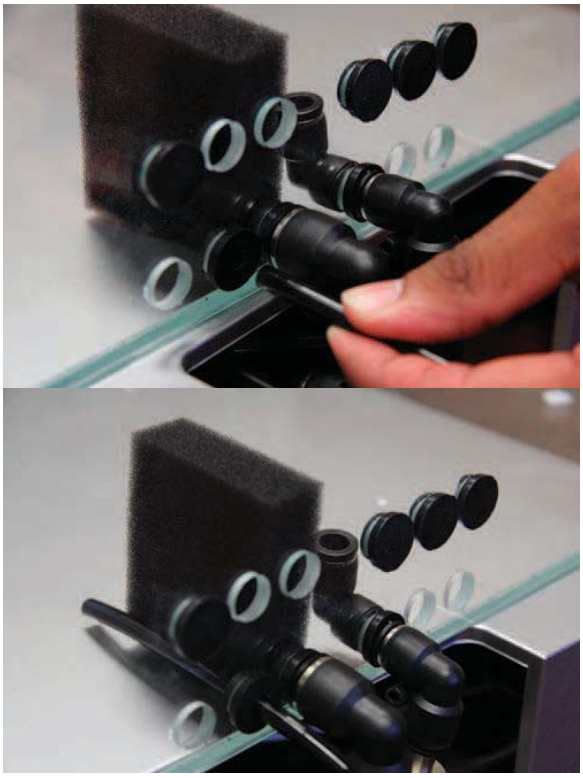


Fig 18

Step 10.
Connect the Airstone into the inner tank side of this tube.

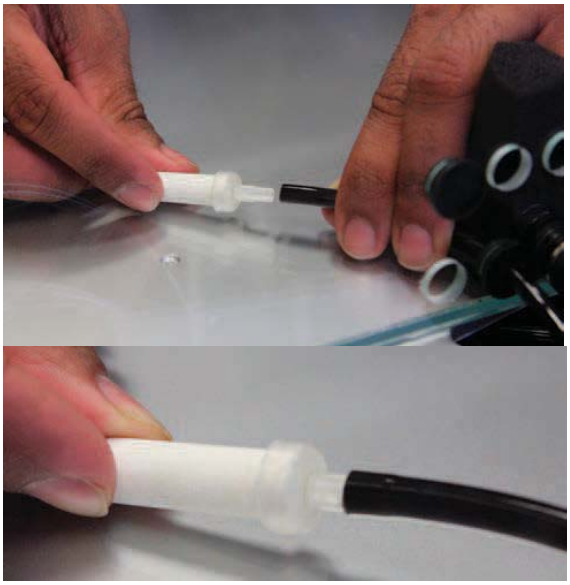


Fig 19

Step 11.
The ventilation heating cable installed on the base should already have a stopper on it. Install this cable with the stopper insertion into hole #6. If you're having trouble getting this stopper in, you can use an object with a dull point (for example: a pen) to push the edges of the stopper into the glass hole.

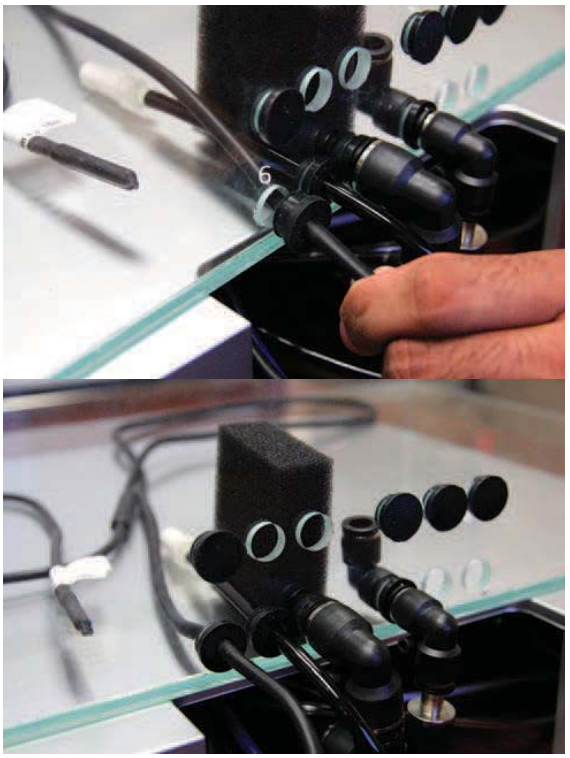


Fig 20

Step 12.
The NTC sensor cable installed on the base should already have a stopper on it. Install this cable with the stopper insertion into hole #11. If you're having trouble getting this stopper in, you can use an object with a dull point (for example Figure 22: a pen) to push the edges of the stopper into the glass hole.

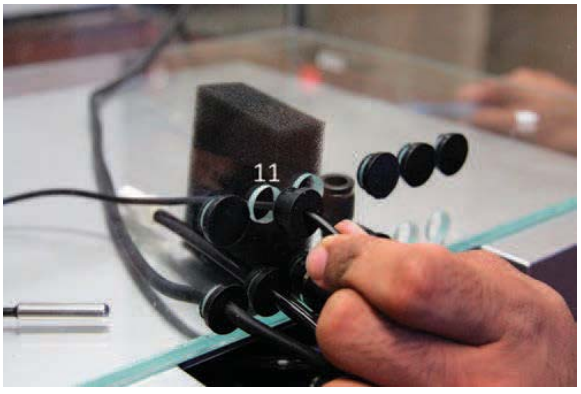


Fig 21

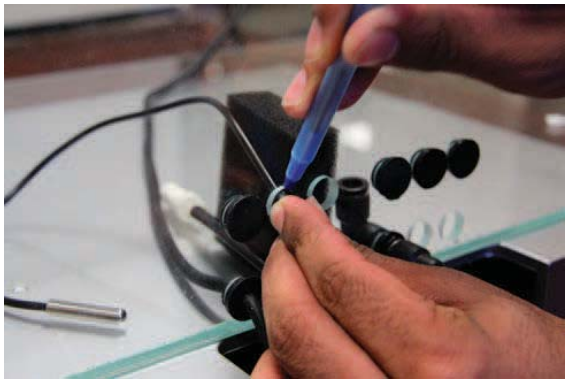


Fig 22

Fig 23

Step 13.
The substrate heating cable installed on the base should already have a stopper on it. Install this cable with the stopper insertion into hole #10. If you're having trouble getting this stopper in, you can use an object with a dull point (for example: a pen) to push the edges of the stopper into the glass hole.

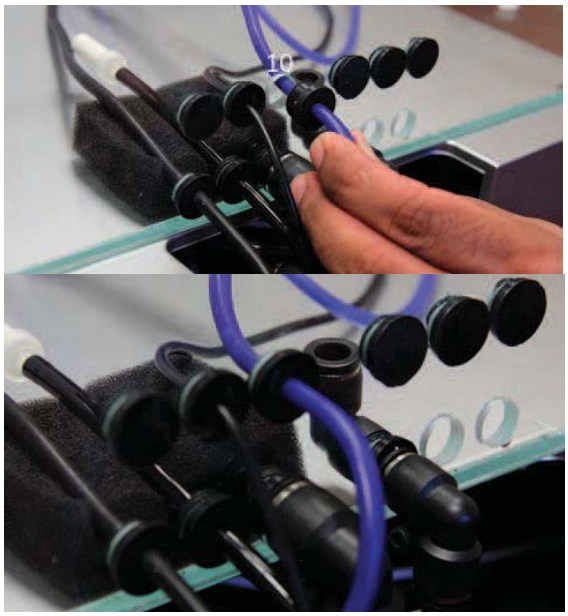


Fig 24

Step 14.
Insert stoppers SY-1 into holes #2 and #1.

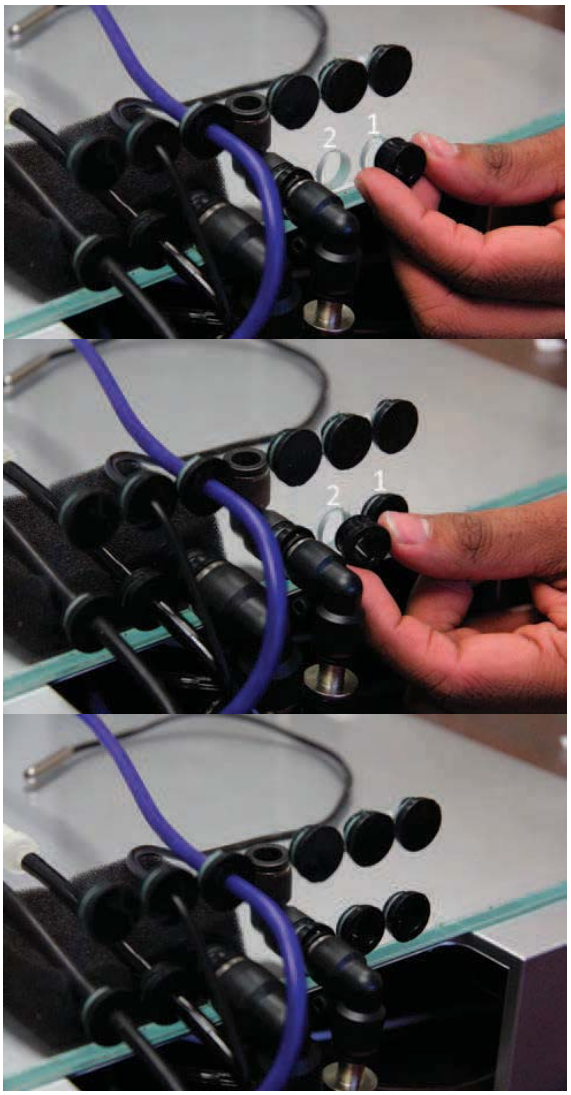


Fig 25

Step 15.
The manifold pipes will go into holes #1 and #2. The manifold pipes are shown in Accessory Bag 2, both connected into the manifold. These two pipes must be removed from the manifold. Then inserted a bit into holes #1 and #2 with the stoppers inside them. Next, take the manifold, and use it to push both pipes into the tank. Leave a bit of the pipe outside the tank, as this will be used to connect into the manifold.

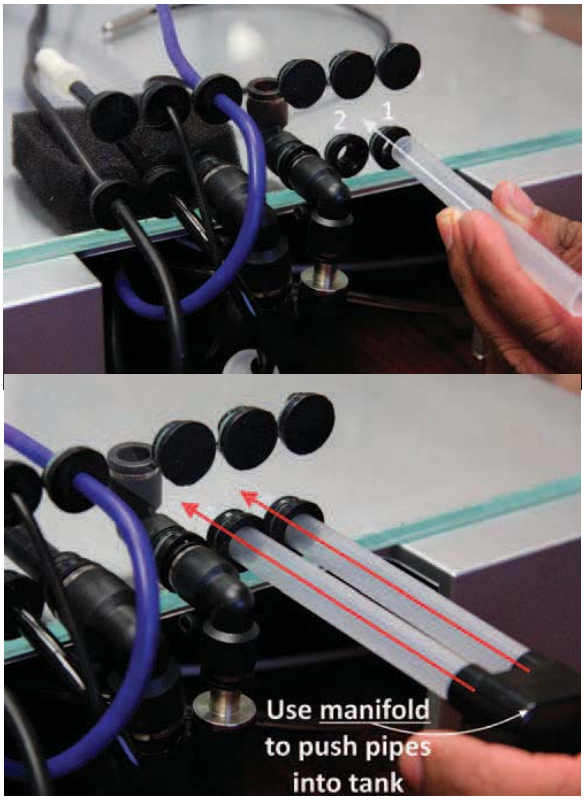


Fig 26

Fig 27

Step 16.
Connect the two PUL10 elbows into the recently inserted manifold pipes. Refer to Accessories Bag 2 to see what PUL10 looks like. Connect them away from each other, and push them in all the way to make a water tight seal.

Fig 28

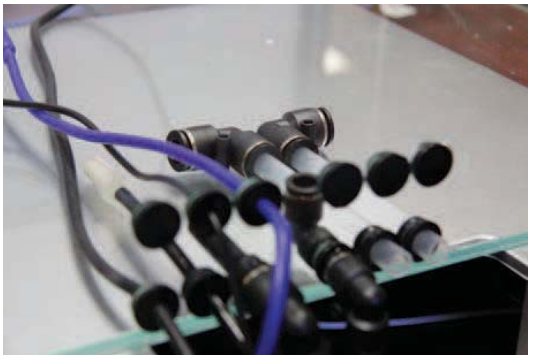


Fig 29

Insertion of components into the back glass holes is finished. The completed assembly should look similar to Fig 30. The only differences among the Biopod models being: the length of the manifold pipes, the length of the sponge pipe, the length of the heating cables, and the extra PLJ10 elbow connected into the sponge for the Aqua II.

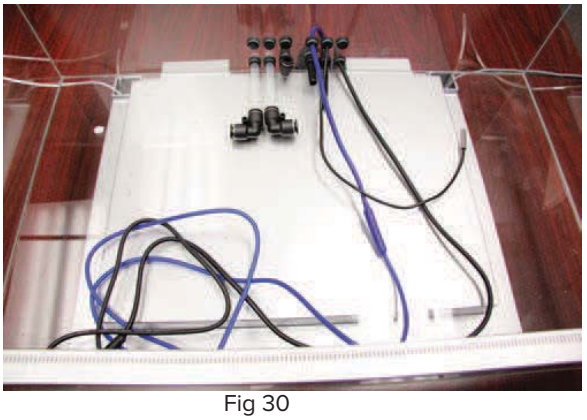


Fig 30

Now that all the components have been inserted into the Biopod tank, the next step is to install the living wall. There are separate steps here if you have an Aqua or Aqua II model. The living wall comes pre-assembled, but may come apart during shipping. Should this happen, carefully re-attach the pieces together as they can have sharp edges.

[Aqua and Aqua II models only]: If you have an Aqua or Aqua II model, they come with their own base. For the following example in Fig 31. an Aqua base is shown. The Aqua II base looks much different but the concept of installation is the same. If you have an Aqua or Aqua II model - skip to step 3

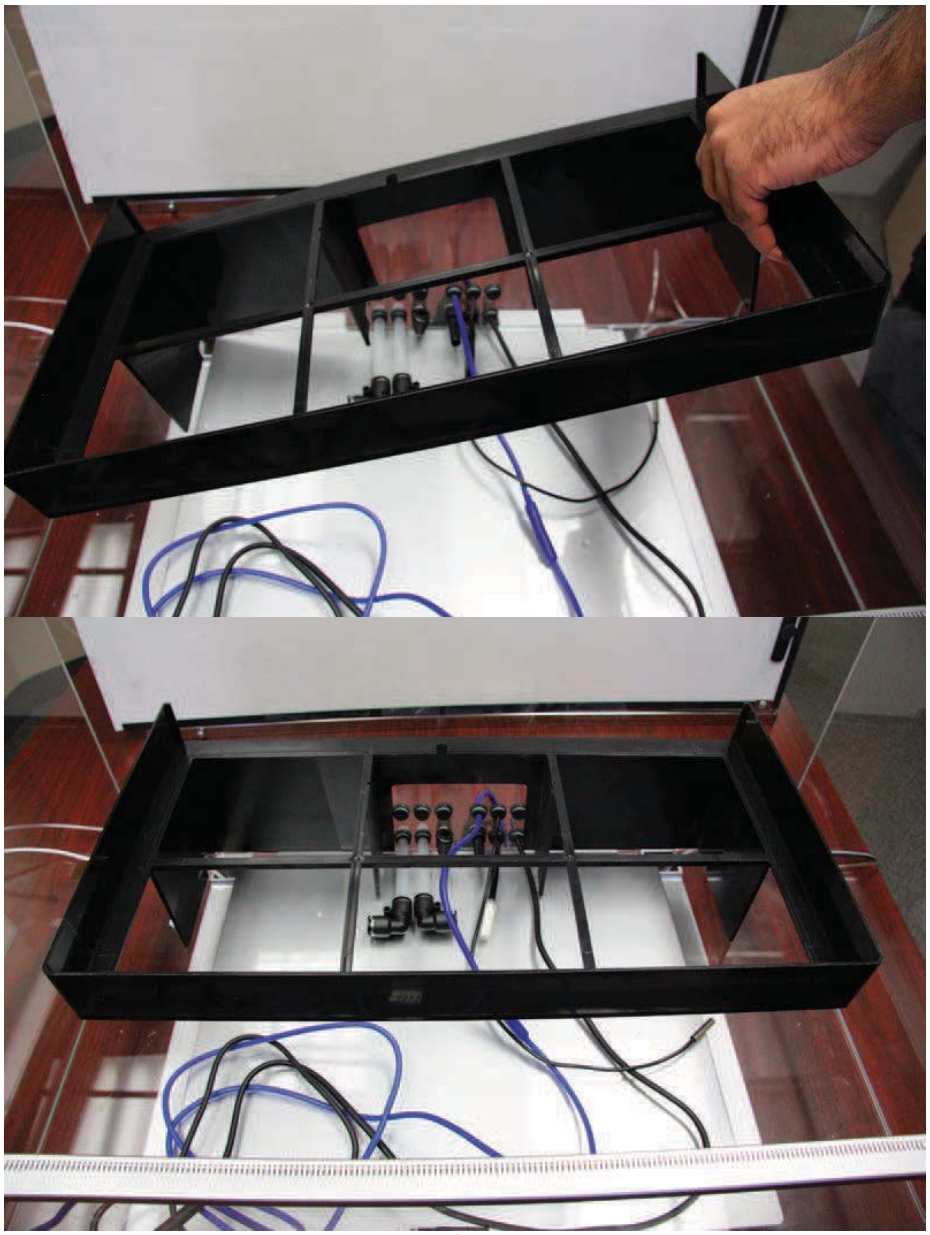


Fig 31

Step 1.
For One, Terra and the Grand models: It is imperative that the first false bottom be installed right above and into PLJ08 (the Irrigation elbow inside the tank). Begin by making the appropriate holes (you can punch it through using a pair of pliers) to break the circular plastic portion as shown in Fig 32. below.

The One only needs one false bottom for its most basic initial setup, for the One only the two middle holes are made on a single false bottom. See Fig. 48 for an example of the end result.

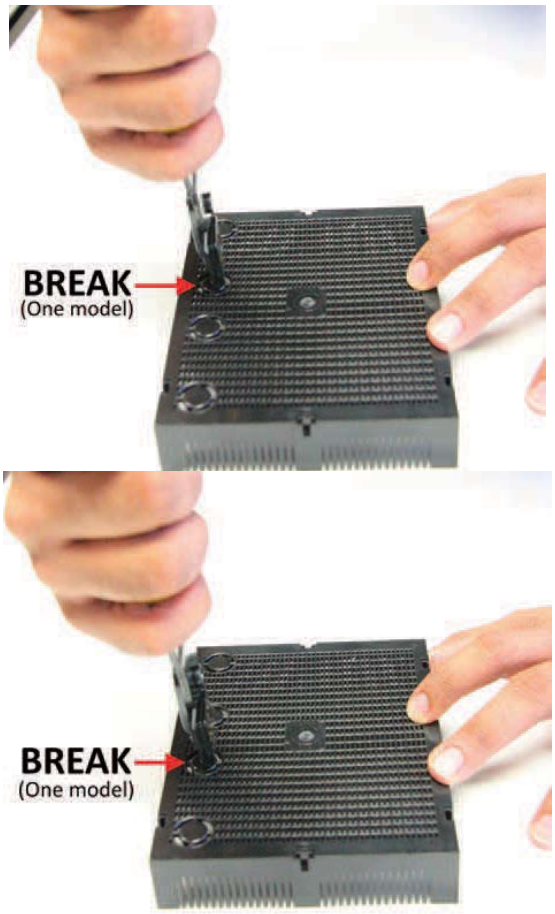


Fig 32

For the Terra, two false bottoms are needed for its most basic initial setup. One false bottom should have one hole broken in on one end, and the other on the opposite end. See Fig 42. for an example of the end result.

Fig 33

Step 2.
Try to place the broken section of the false bottom over PLJ08, it may not fit properly due to other components being in the way - in the next step we will go over how to tear off the breakable fins to fit it in place.

The following example is for the Terra, the installation concept is the same for the One model, but the holes broken are different. Refer to Fig 48. for an example of a completed One assembly. False bottoms in the Aqua model do not need to be broken in this way

Fig 34

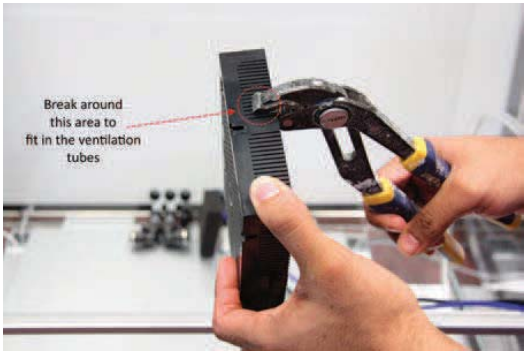


Fig 35

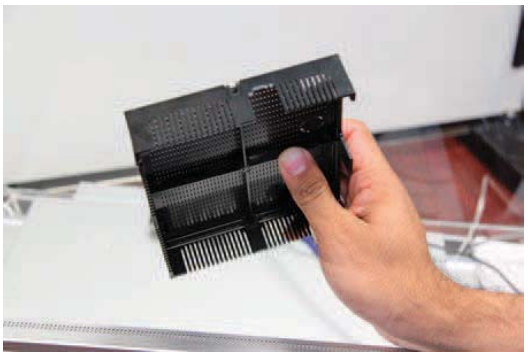


Fig 36

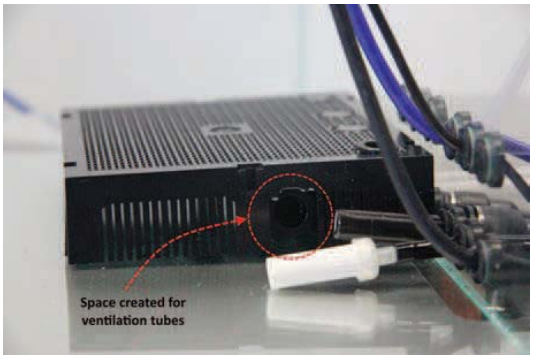


Figure 37

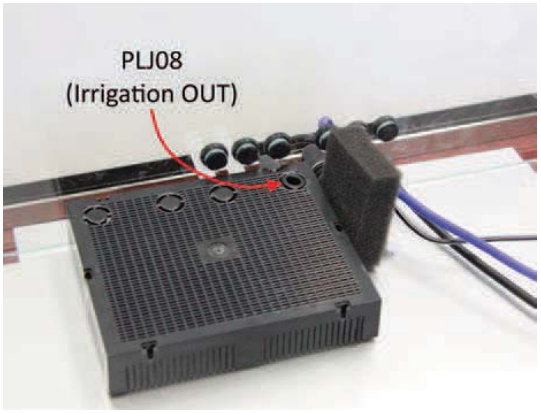


Fig 38

Step 3.
Find the two clear ventilation tubes as shown in Accessory Bag 2. Connect the longer one into the right vent end, and the shorter one into the left vent end as shown in the next few figures. The ventilation tubes should be routed so that they are almost touching the sides of the tank. Do this step gently so the tubes don't kink.

Fig 39 (Left Ventilatiom Tube)

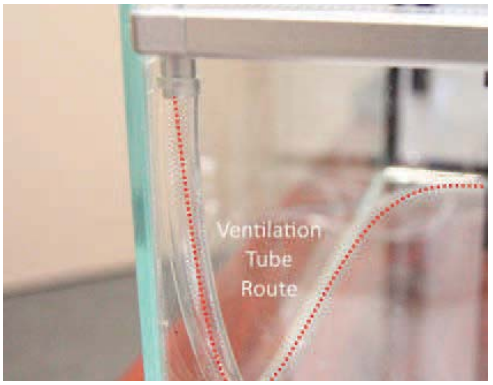


Fig 40

Step 4.
Now connect the right ventilation tube (the longer one) into the right vent end. Do this step gently so the tubes don't kink.

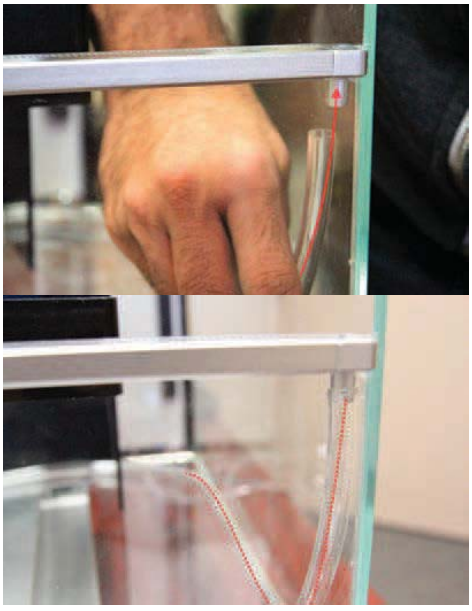


Fig 41 (Right Ventilation Tube)

If you have an Aqua or Aqua II - skip to step 6

Step 5.
One, Terra & Grand: connect the ventilation tubes into the ventilation elbows. The right ventilation tube is a bit longer than the left.

Fig 42

Step 6.
Aqua & Aqua II: The ventilation tubes for the Aqua and Aqua II do not go underneath any false bottoms, but they must be properly routed through their provided bases before connection. The next figure (Figure 43) is an example of ventilation tubes routed through the Aqua base. The right ventilation tube is a bit longer than the left.

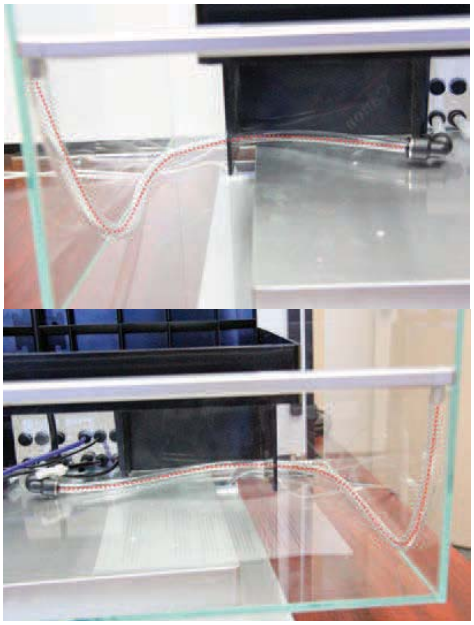


Fig 43

Step 7.
Four suction cups with large holders (Refer to Accessories Bag 2) have been provided to hold the ventilation tubes in place. Use these to secure the ventilation tubes onto the glass.

Fig 44

If you have an Aqua or Aqua II - skip to step 10

Step 8.
For the Terra, route the substrate heating cable (blue cable) through the other false bottom previously broken (see Fig 33.). The end result should look like the image below (Fig 45), in which the Living Wall is already attached to PUL08 (not to worry - this step is coming up soon).

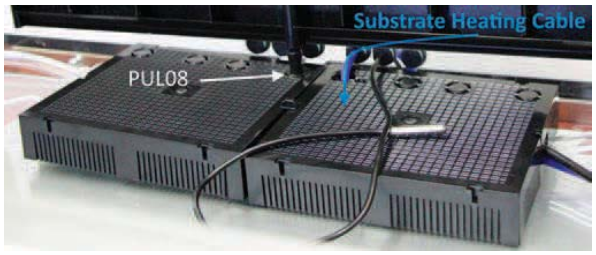


Fig 45

Step 9.
Secure the false bottoms by pushing in false bottom connectors (Refer to Accessory Bag 1) between the false bottoms.

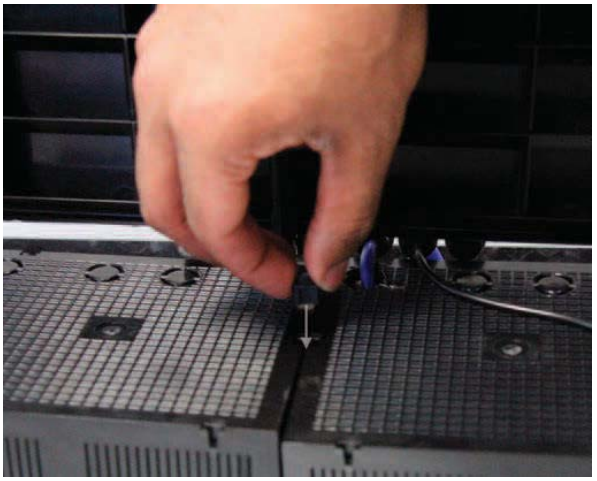


Fig 46

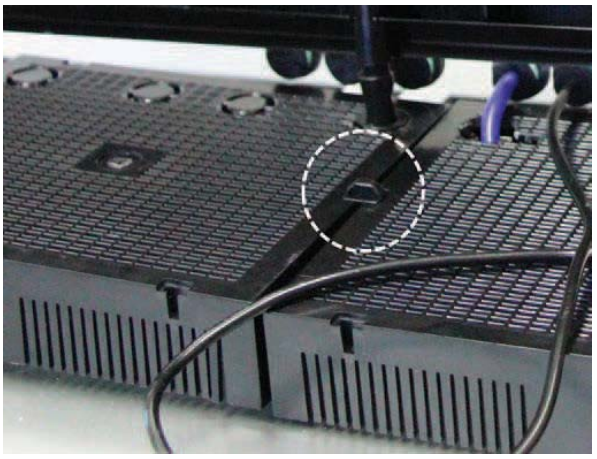


Fig 47

Example of a completed initial false bottom assembly of the One:

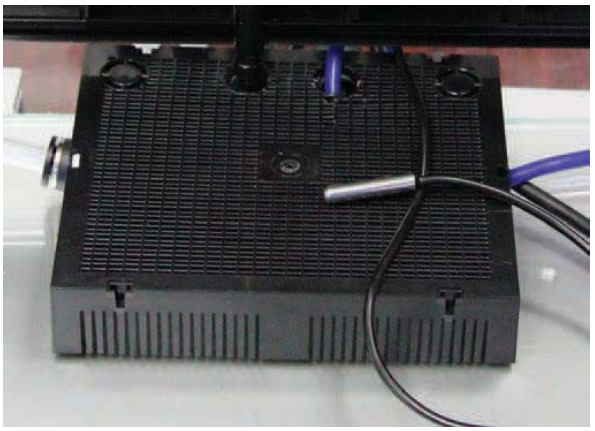


Fig 48

Step 10.
Take the end of the substrate heating cable (the black one) and pressure fit it along the bottom of the ventilation strip. The end of this cable should be at the very right of the bottom of the vent strip. The following three figures are an example shown from the Aqua, but the same method is used for all models.

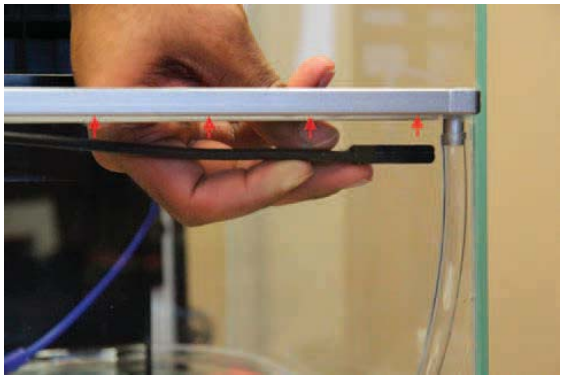


Fig 49

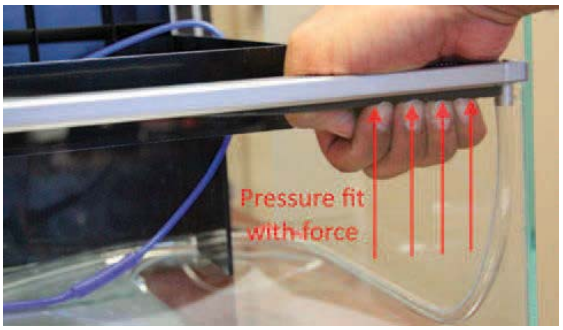


Fig 50

Fig 51

Now you may continue the rest of the assembly by placing the remaining false bottoms, routing the cables and breaking the fins as necessary.

Step 11.
Note the following:

a. You will need to break more fins off the false bottoms to route the remaining cables (see Fig 35. for an example of breaking fins). [One, Terra & Grand]

b. The NTC sensor cable should be above the false bottoms, and away from direct contact with heating cables. [One, Terra & Grand]

c. The substrate heating cable should go underneath the false bottoms, and should cover as much area as possible to maximize surface area heated. [One, Terra & Grand]

d. The ventilation heating cable should be routed underneath the false bottoms [One, Terra & Grand], but it should ultimately end up at the front of the Biopod tank underneath the ventilation strip [All models].

e. The other four suction cups (called the small suction cups - refer to Accessories Bag 1) are used to hold the substrate heating cable (blue heating cable) and the ventilation heating cable (black heating cable) in place on the glass.

f. The false bottom fins are designed to be broken off, so that cables and tubes can be routed underneath. [One, Terra & Grand]

g. There is a great deal of customizability during the installation of the false bottoms and the routing of cables. This is simply what we recommend for the optimal experience of your Biopod unit. [All models]

Step 12.
Now the living wall must be installed. Begin by attaching the Living Wall Cap into the top of the combined living wall pieces. If the living wall pieces have come apart during shipping, simply connect them back together. Note: The living wall is a hard plastic piece with occasional sharp edges, take care when working with it!

Fig 52

Step 13.
Insert the Vert tube/Living Wall Tube (refer to Accessories Bag 2 - length of tube varies by model). This tube connects from PLJ08 elbow (this is where the irrigation water comes out) into the living wall. Begin by inserting the tube tightly into the PLJ08 elbow. Take caution in this step and execute it slowly. The bottom edges of the living wall can be sharp!

Fig 53

Fig 54

Step 14
There are two small pieces in Accessories Bag 1 called Living Wall Connectors. These are used to keep the living wall in place. Slide these into the back metal frame of the Biopod tank.

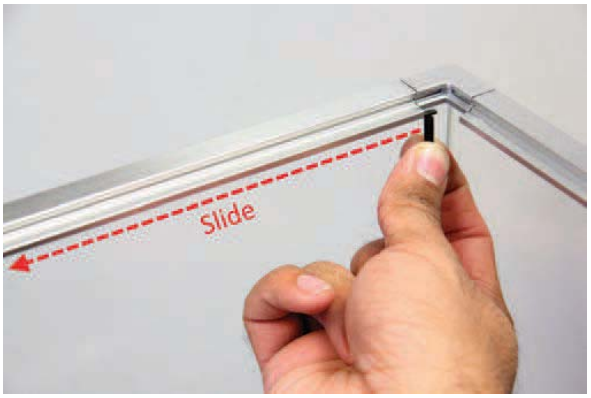


Fig 55

Fig 56

Step 15.
One, Terra & Grand only: Connect the living wall tube into PUL08 (Irrigation OUT) tightly. You should feel a click when it is a water tight seal. You can either connect the living wall tube alone into PUL08, then attach the living wall onto the other end. Or you can connect the living wall tube into the living wall first, and then into PUL08. Fig 57 shows the living wall inserted in the Terra model. Fig 58 shows the living wall inserted in the One model.

Fig 57

Fig 58

Step 16.
In order to secure the living wall in place, it must now be pushed back onto the back glass, and inserted into the living wall connectors previously installed in step 14. This step is irreversible so it must be done properly in the first attempt. Be sure to connect both sides. A good way to approach this is to lightly bend the living wall connectors forward to meet the opening of the top of the insertion point as it is tipped back.

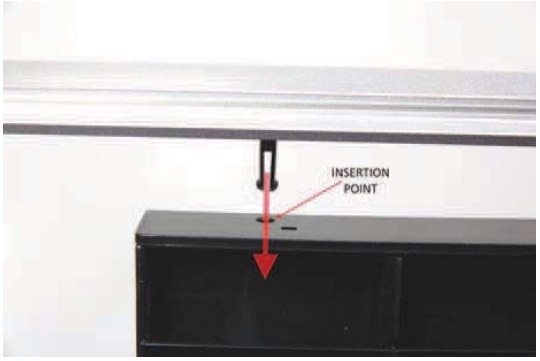


Fig 59

Step 17.
Aqua & Aqua II only: Connecting the living wall for the Aqua and the Aqua II is nearly identical to the One, Terra & Grand. The main difference being that the living wall is higher and it fits directly on top of the bases that are provided for the Aqua and the Aqua II. The next figures is an example of the living wall tube connected in the Aqua.

Fig 60. Aqua living wall tube connected into PLJ08

The basic initial inner tank setup of the One, Terra & Aqua II is now complete. There are a few more steps for the Aqua.

Step 18.

Aqua only: There is an additional piece for the Aqua base (see next figures) called the Aquabase Cover. This piece is used to create an enclosed chamber in the area where components enter the Aqua tank. The Aquabase cover must be broken in several places so that the ventilation elbows and cables can fit through it. See the next few figures for an example of how to break this piece.

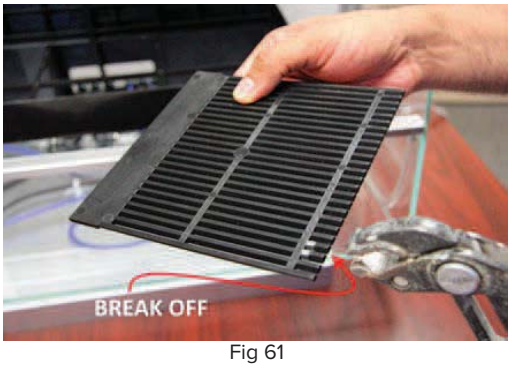


Fig 61

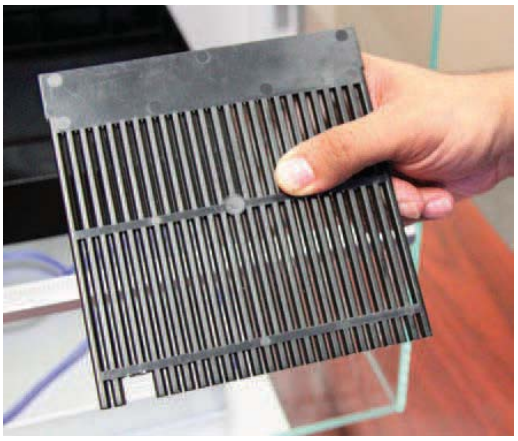


Fig 62

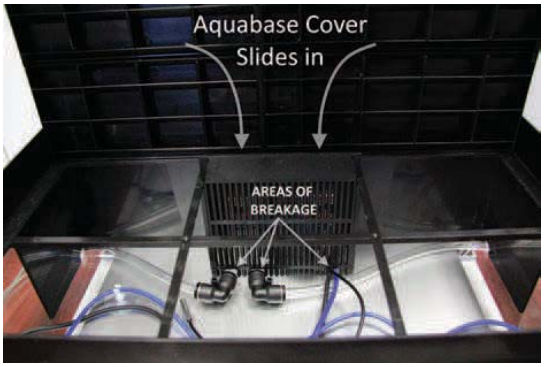


Fig 63

The final step for the Aqua is to place false bottoms on top of the base platform. This option is recommended if you wish to create a terrestrial platform. These false bottoms can be broken to fit, or if needed otherwise.

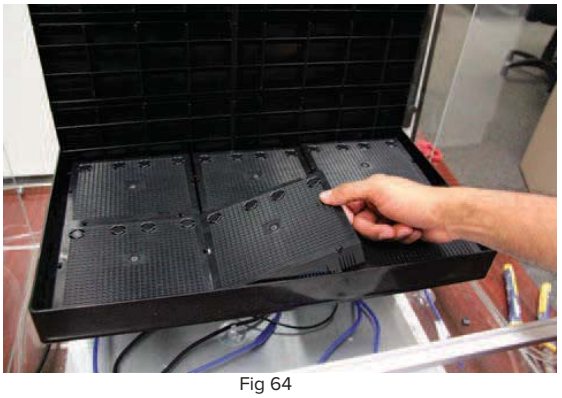


Fig 64

The inner tank assembly of the Aqua is now complete.

In this part, all of the hanging cables from the base will be routed and properly put in place. The water reservoir will be installed. The canopy plastic piece containing the LED light will be installed. This part will require all of the remaining large plastic pieces. Please note that the Biopod Grand has two bases, and therefore many more extensions. Please note that the glass door has been removed from this Biopod for instructional purposes, you should not remove the glass door from your Biopod unit.

Fig 65

SECTION 1 - Upwards Extension & Reservoir Installation

Step 1.
Route the hanging cables through the corners of the back plastic piece, and then upwards.

Fig 66

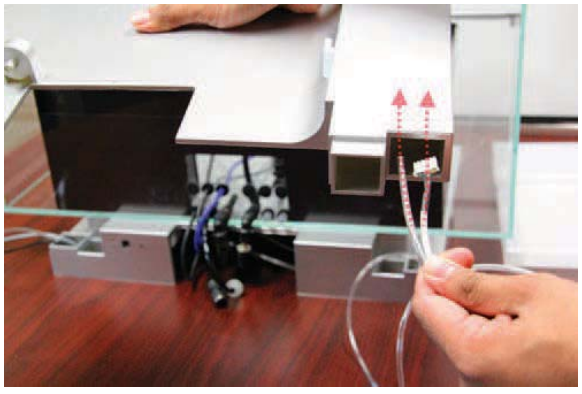


Fig 67

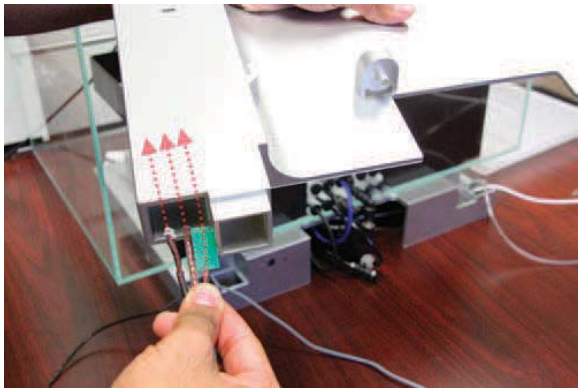


Fig 68

Step 2.
Securely place the back piece onto the base, gently pull on the cables from the top of the back to decrease the slack.

Fig 69

Step 3.
Add the next plastic piece on top of the back plastic piece - this piece is called an extension. The number of extensions per Biopod vary, depending on the height of the Biopod unit. Repeat the same process for cable routing - that is, continue routing the cables upwards.

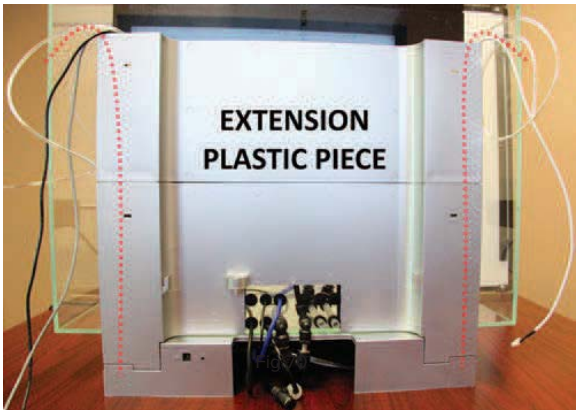


Fig 70

Step 4.
Connect the short small black tube "M-1" (see Accessories Bag 2) into the back piece cup nozzle, and into the misting pump reducer. This tube must be connected into the misting pump reducer tightly to make a water tight seal. This completes the misting pump assembly.

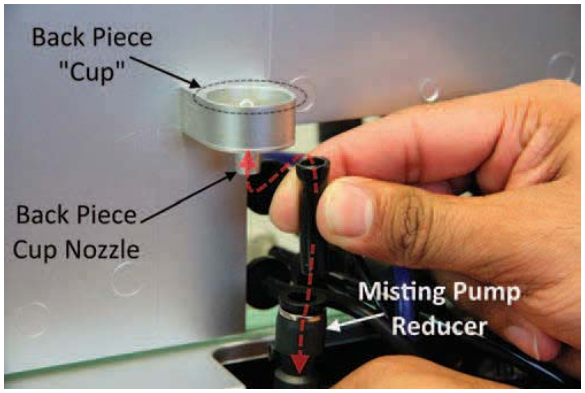


Fig 71

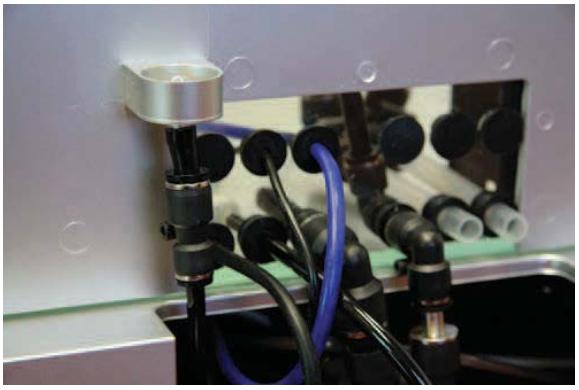


Fig 72

Step 5.
Securely and tightly place the reservoir into the cup of the back piece. There is a stopper on the bottom of the reservoir and it must go in all the way into the back piece cup.

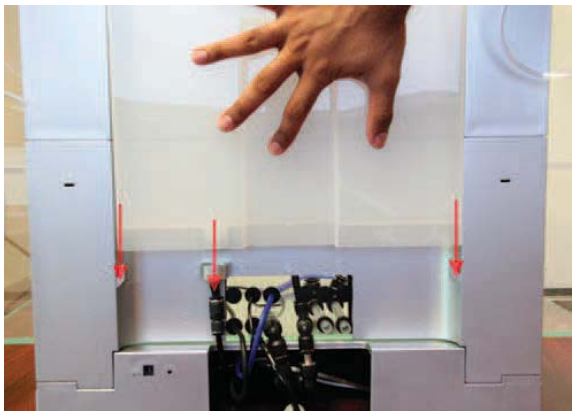


Fig 73


Fig 74

Step 6.
To ensure the reservoir has been installed correct, pour a little bit of water into the reservoir and check for leaks at the base piece cup. If no leaks are found, then the reservoir has been installed correctly.

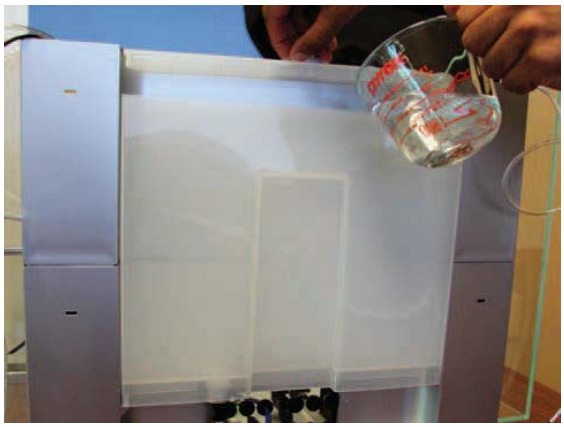


Fig 75

Step 7.
Aqua, Aqua II & Grand: If you have an Aqua, Aqua II or Grand. Continue to add the remaining extensions and route the cables to reach the height of the tank.

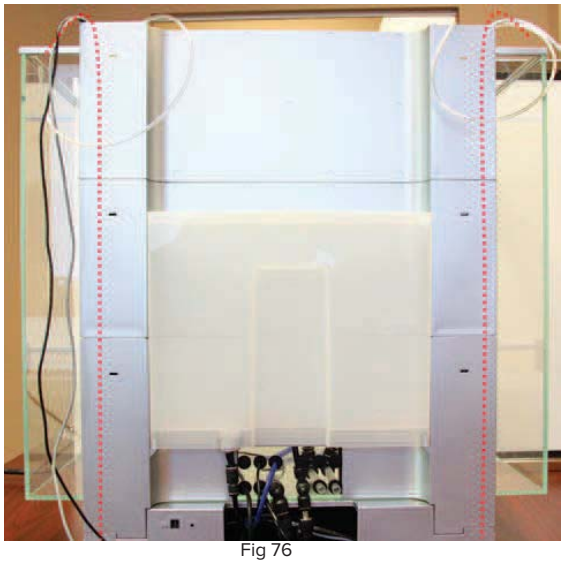


Fig 76

Step 8.
Regardless of your Biopod Model, the final extension should just be overlooking the top of the Biopod tank.

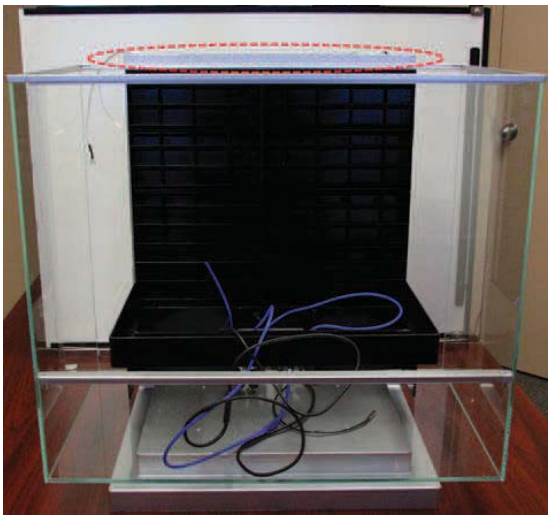


Fig 77

SECTION 2 - Topglass + Canopy Installation, & Final Cable Routing

Step 9.
Find and obtain the large rectangular transparent plastic piece with a metallic mesh on it. This is called the Topglass, and it will be installed on top of the Biopod frame. First, begin by putting in the "Feed tabs" (refer to Accessory Bag 1) into the Topglass piece on both ends.

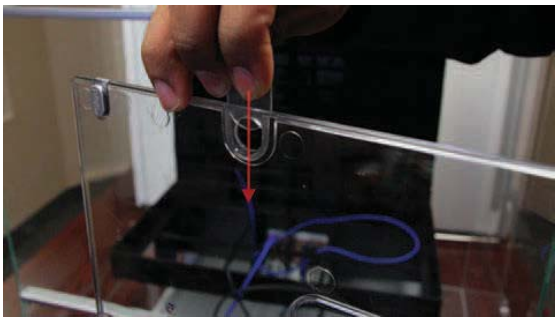


Fig 78

Step 10.
Install the Topglass onto the metal frame of the Biopod tank. Begin with the right side inserted into the metal frame first, then make your way along to the left side.

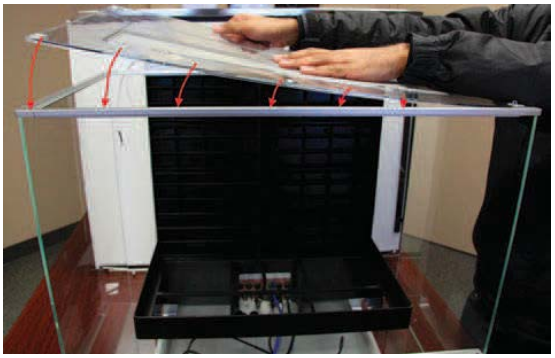


Fig 79

Step 11.
Obtain the canopy plastic piece - which has the LED light installed on it. The cables that were previously routed up through the extension plastic pieces must now be routed through the canopy corners. Have a friend hold this for you at the upper openings of the extensions while you route the cables through the corners.

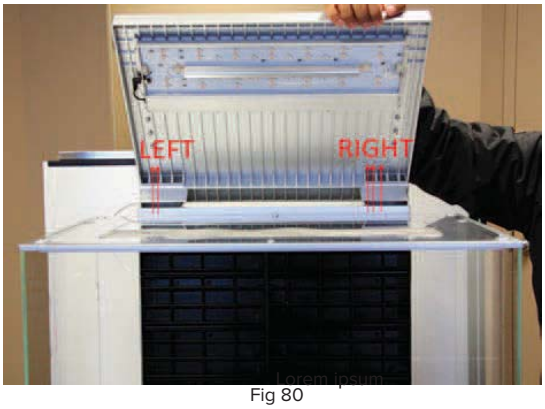


Fig 80

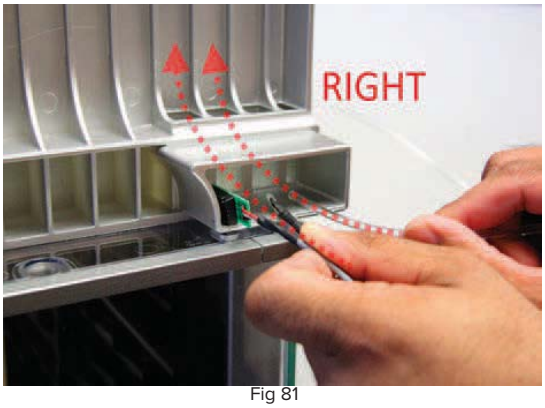


Fig 81

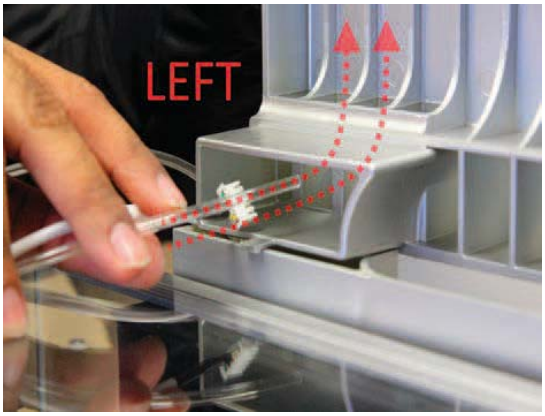


Fig 82

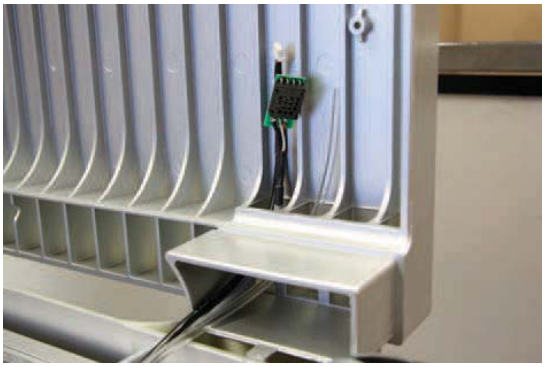


Fig 83

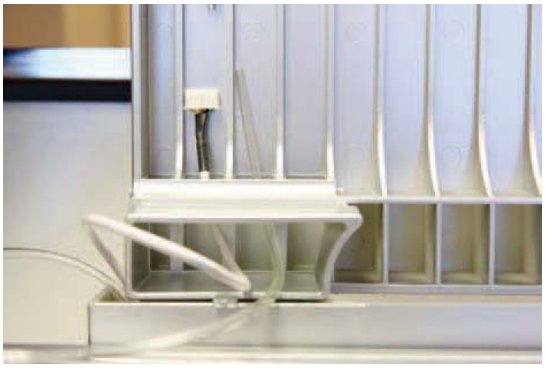


Fig 84

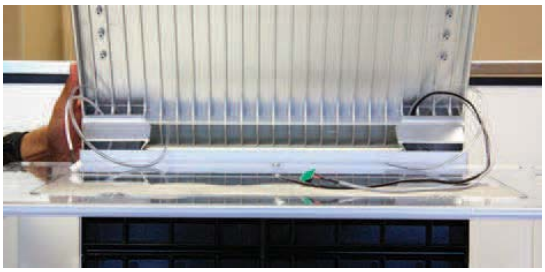


Fig 85

Step 12.
Route the Camera Cable and the Humidity/Temp sensor cable (both on the right canopy corner side)

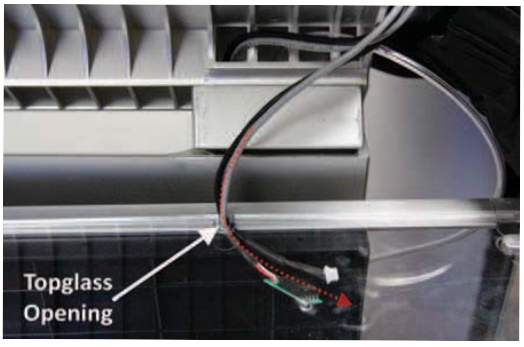


Fig 86

Step 13.
Next, the Misting Nozzles along with the Canopy Supports (See Accessory Bag 1) must be installed. This process must be done in a particular way so that the assembly is tightly fitting.

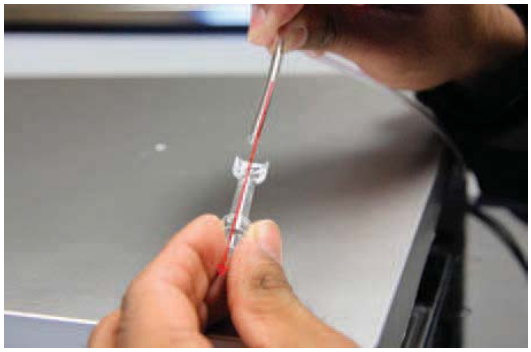


Fig 87

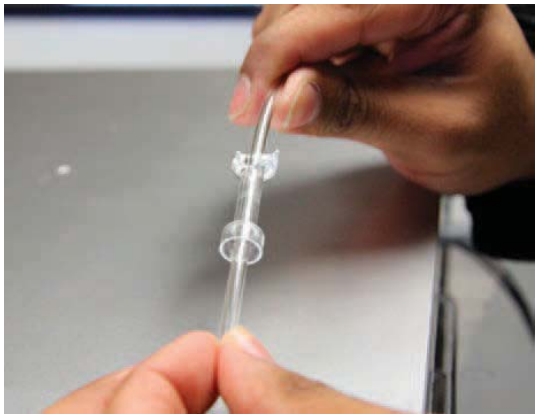


Fig 88

Step 14.
Unscrew the washer off both of the misting nozzles.

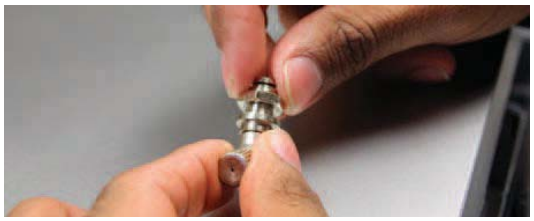


Fig 89


Fig 90

Step 15.
Insert the washers into the misting tubes, then pull the misting tubes through the misting nozzle holes of the Topglass piece. The washers are unidirectional, ensure that the washer goes back into the misting pump the same way it came out.


Fig 91

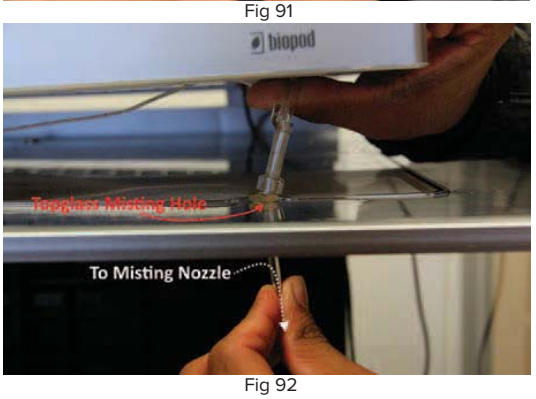


Fig 92

Step 16.
While the misting tubes are through the Topglass hole, insert the misting tube from the inside of the tank into the misting nozzle. Push hard into the misting nozzle and you should feel a "click". This means it is water-tight. Pull on the misting tube to see if it is secure inside the misting nozzle, it should not come out even with great force.

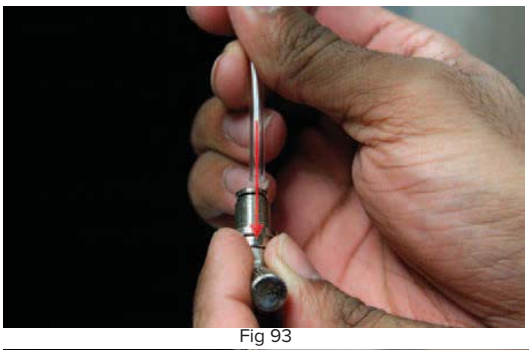


Fig 93


Fig 94

Step 17.
Screw in the washer into the misting nozzle from the top of the Topglass, so that it is secured in place inside the Topglass misting hole. If you're finding it hard to screw in the washer, then it has been put in backwards.

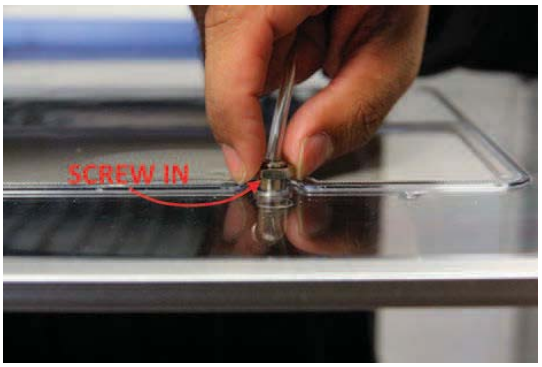


Fig 95

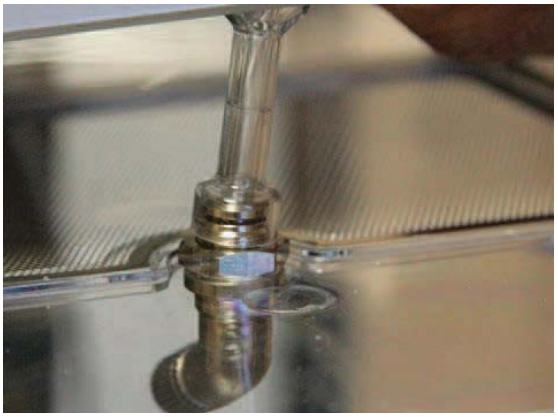


Fig 96

Step 18.
Connect the Light (LED) Cable that is coming from the left corner hole of the Canopy, into the left connector of the LED light. If you have an Aqua II model, you will also have to connect both lights to each other from the RIGHT side of the canopy using the Short LED Cable (see Accessory Bag 1).

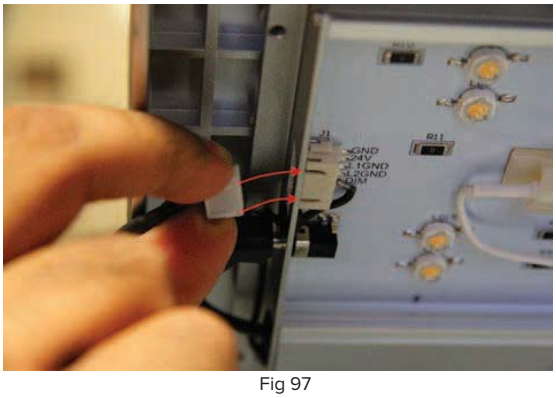


Fig 97


Fig 98

Step 19.
Insert the Humidity/Temp sensor into the Humidistat housing (see Accessory Bag 1), close shut the lid securely. Then slide it on the inside of the right metal frame of the tank to about the middle of the frame.

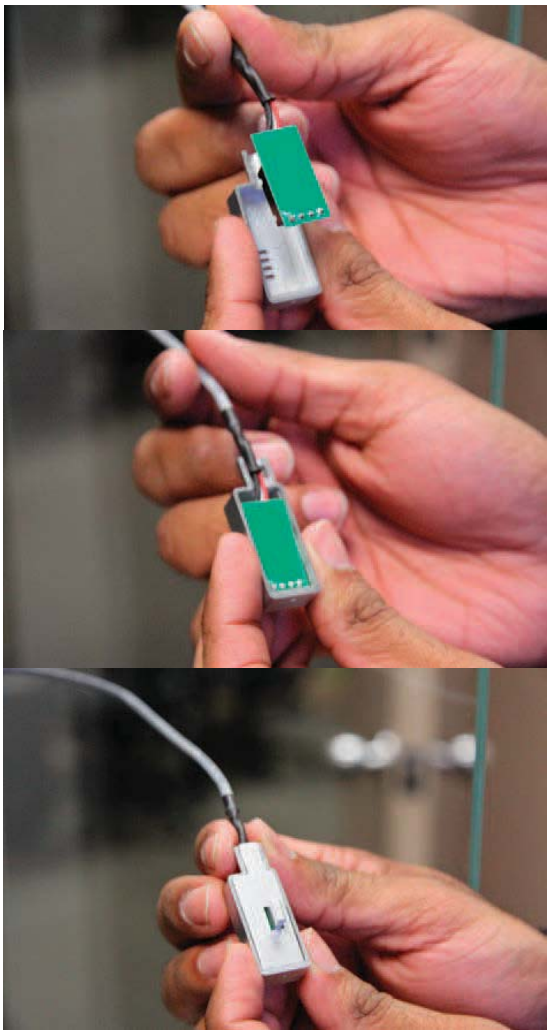


Fig 99

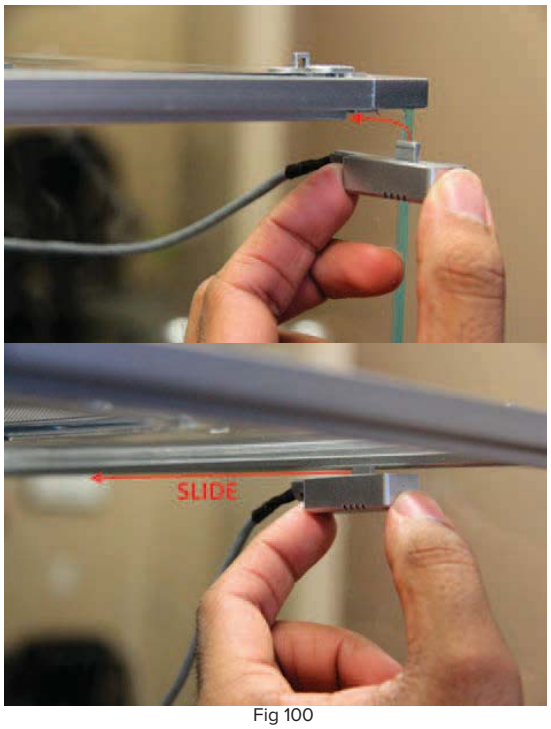


Fig 100

Step 20.
Connect the Camera Cable into the Camera PCB inside the Camera Housing (see Accessory Bag 1). Ensure that the pins of the Camera PCB line up with the pin holes of the Camera cable. If this step is done incorrectly it could damage the Camera PCB. Do not worry about the direction the Camera PCB is facing, these figures are simply for instructional purposes.

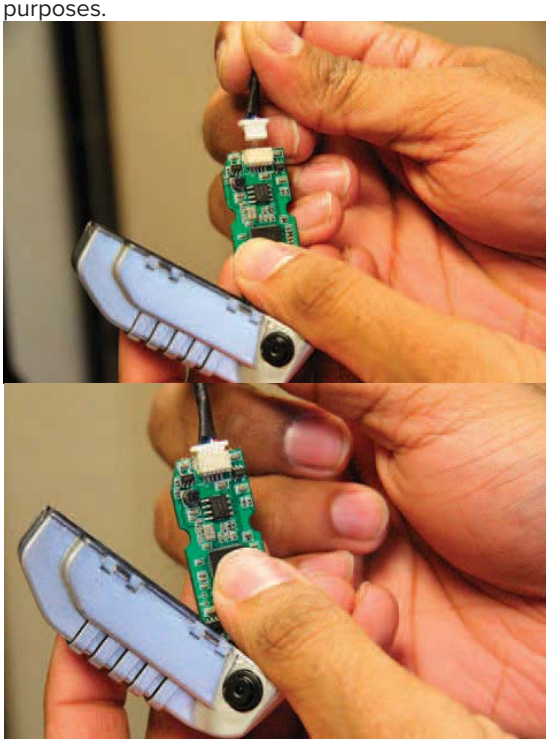


Fig 101

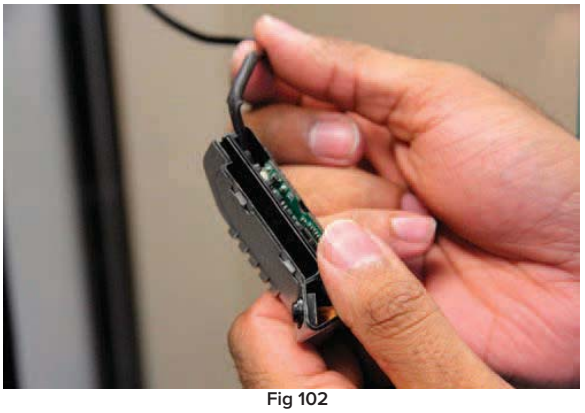


Fig 102

Step 21.
Put the lid on the Camera Housing, and slide it into the frame just like the Humidity/Temp sensor. It is designed to be at the very front of the metal frame, do not force it further back into the tank.

Fig 103

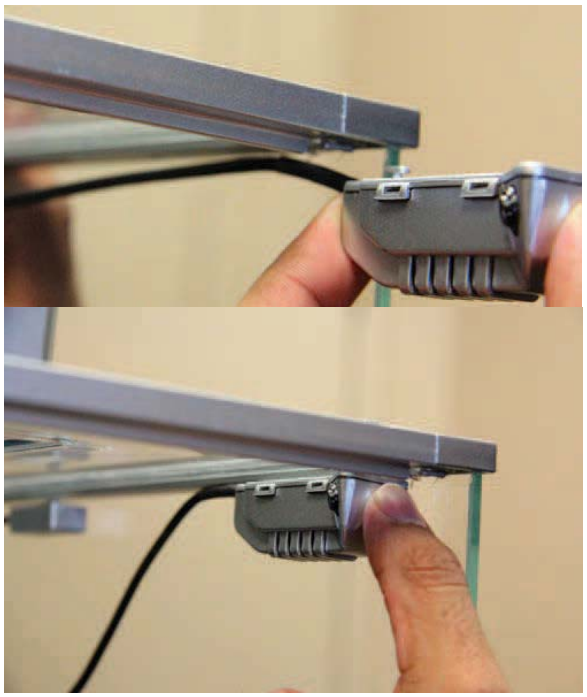


Fig 104

Step 22.
Secure the Topglass by pushing 7 of the tabs on the Topglass towards the metal frame, (except for the one on the very bottom-right - this one is used to lock the glass door).

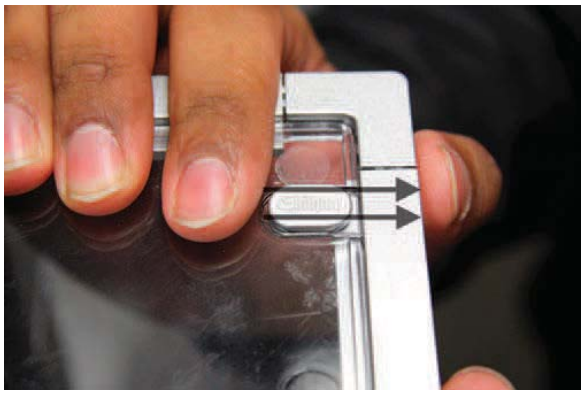


Fig 105

Step 23.
Push down the corners of the Canopy piece from the top, this will secure it into the Extension piece.

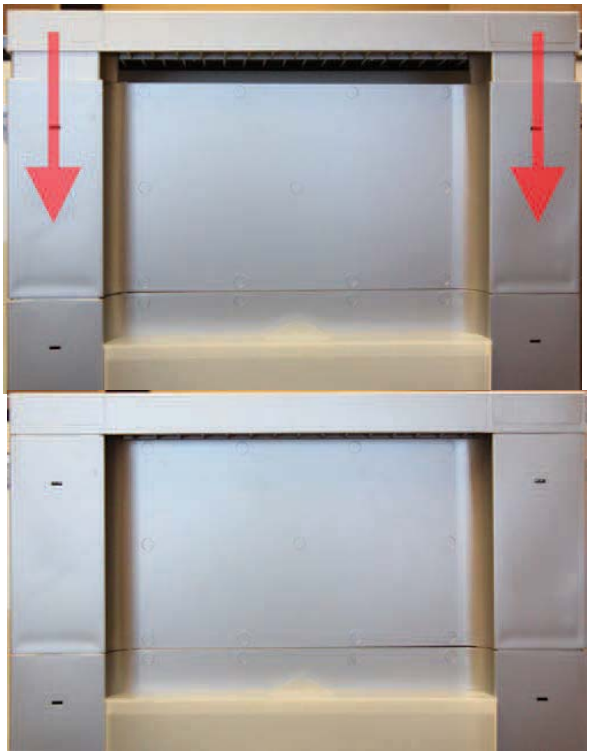


Fig 106

Step 24.
Insert the black Manifold piece (see Accessory Bag 1) into the ventilation pipes and the Fan opening simultaneously. This delivers air into the Biopod tank.

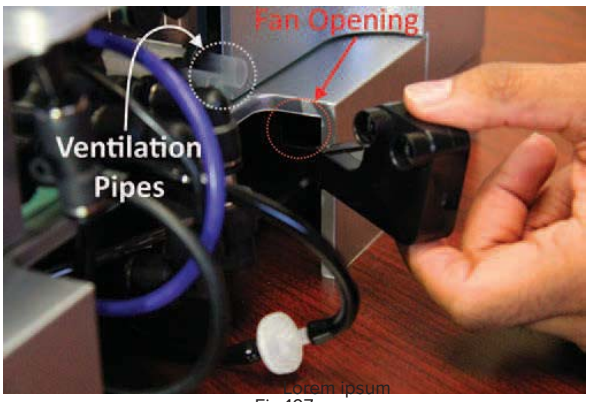


Fig 107

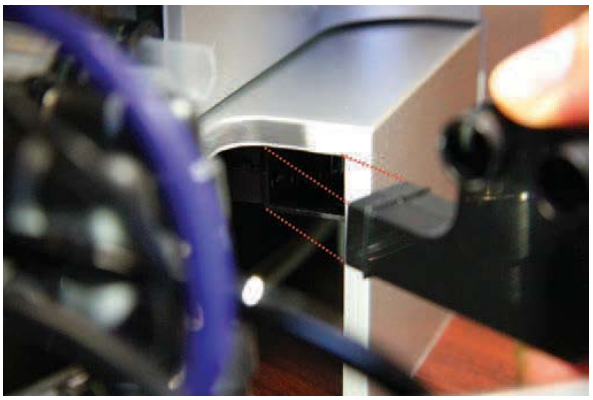


Fig 108

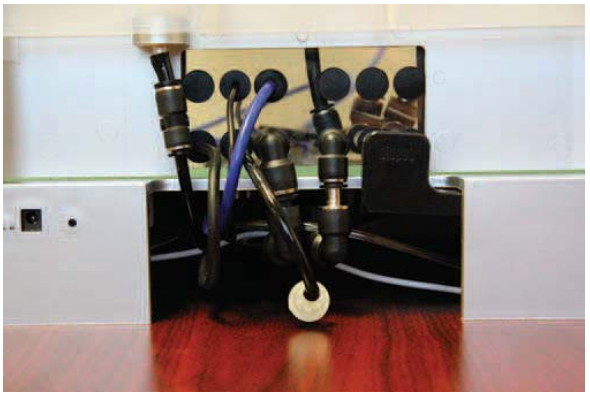


Fig 109

Step 25.
Finally, connect the power into the motherboard with the provided adapter.

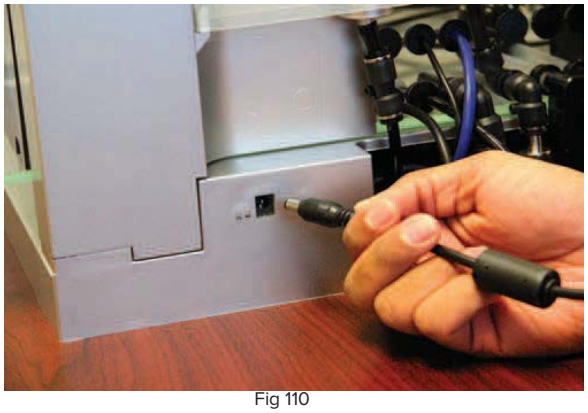


Fig 110

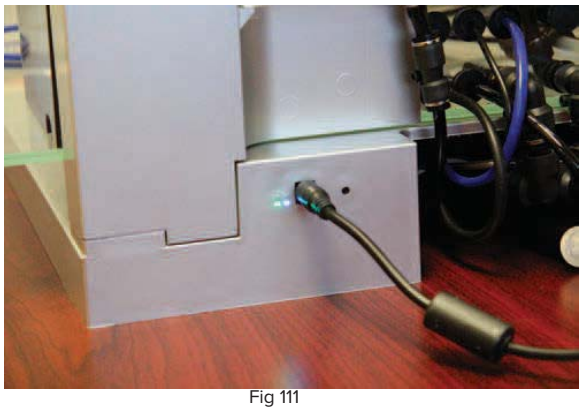


Fig 111

Your Biopod tank setup is now complete. In order to make sure the tank is water-sealed, we recommend putting some water into the tank and tipping it backwards to do a leak check.

Your Biopod also comes with a UVB bulb that connects into the LED light. If you intend on housing UV-sensitive animals or plants we recommend you do not use this light. For instructions on how to remove/install this UVB bulb, please visit www.biopod.com/support

The next steps involve planting and terrascaping/aquascaping your Biopod, as well as setting up the main Biopod computer to connect to the internet and the mobile APP. Please visit the Biopod website at www.biopod.com/support/ for instructions on how to connect your Biopod to the internet and the mobile APP.

For additional support, please visit www.biopod.com

FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body