

# Assembly Procedure Template

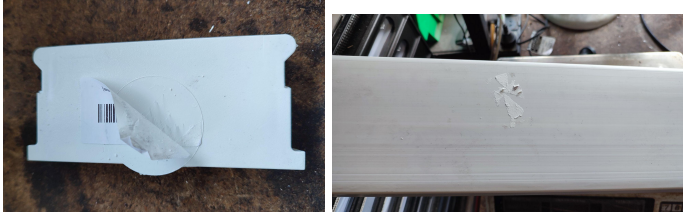
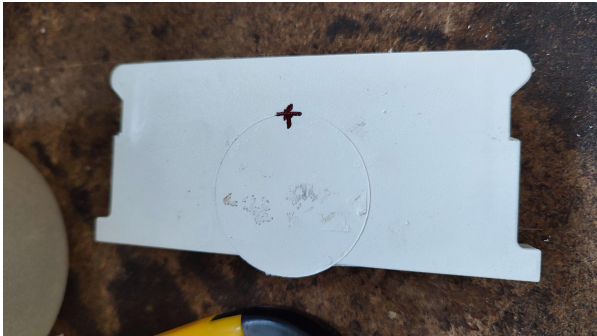

Task: Grow Greens NFT Kit Assembly - (Suits GGNv1.0, SKU: AQGNFT36)

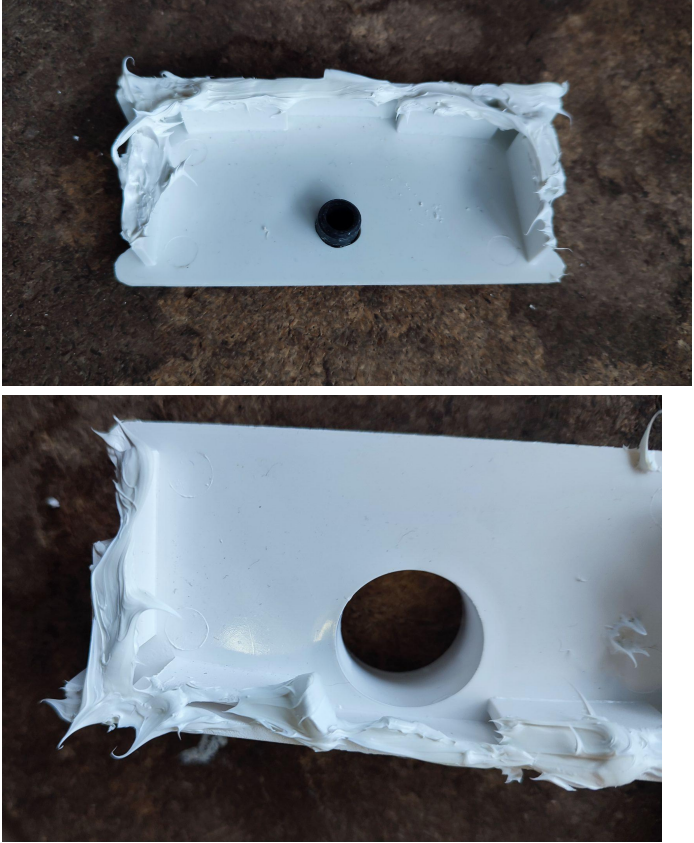

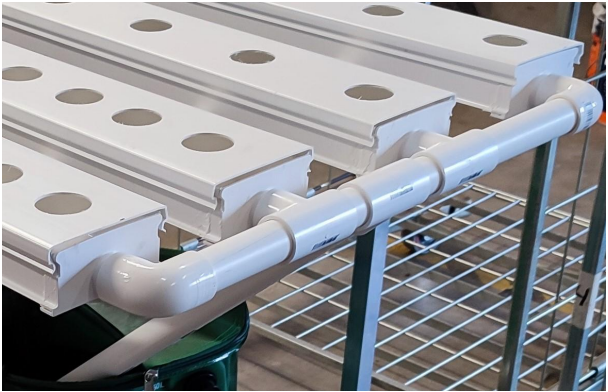
**Safety risks** *electricity, moving parts, noise, drilling, manual handling*




**You must wear this personal protective equipment when doing this task:**



Work gloves, safety glasses, closed shoes

1. <b>Picking</b>	Pick the required parts. Bag the net pots and nutrient bottle. Put all the instructions in a plastic sleeve.	(no picture)
2. <b>Drill End Caps</b>	<p>Prepare Surfaces by removing stickers on end caps &amp; channel &amp; lid.</p> <p>10mm drill bit in drill press.</p> <p>Consider clamping end caps to drill bench / Hold end caps firmly.</p> <p>Drill very slowly - the end caps are prone to twisting violently when the drill catches the plastic.</p> <p>Drill at the top of the semi circle (marked in picture).</p> <p>When the hole is drilled through, clean burrs by angling the end cap while the drill is running (last picture)</p> <p>Clean with alcohol wipes once finished to remove sticky residue from barcodes.</p> <p>Insert 6mm top hat grommets into drilled holes.</p>	  <p>(Drill end cap with surface flat against drill press)</p> 

<p>3. <b>Silicon End Caps</b></p>	<p>Stick End caps on channel securely. Watch this demonstrated on video first.</p> <p>A flat end cap on one end, and a spout end cap on the other end.</p> <p>Ensure a consistent bead of silicone is positioned along the perimeter of both end caps and the corresponding area on both ends of the channel.</p> <p><b>Use disposable gloves to smooth the silicon along the edges of the channel and make sure all gaps are filled.</b></p> <p>Stand channels in a safe place and wait for the silicon to set.</p> <p>Video Available.</p> <p><a href="https://drive.google.com/drive/folders/1bOibEa7g-zi0bGo_74vf2xJDdu-Z1XbEO?usp=sharing">https://drive.google.com/drive/folders/1bOibEa7g-zi0bGo_74vf2xJDdu-Z1XbEO?usp=sharing</a></p>	
<p>4. <b>Assemble drain manifold</b></p>	<p>Smear vaseline generously around the inside of the PVC 25mm connectors.</p> <p>Clean your hands and insert elbows and tees as per picture. Push together tightly until it hits the stopper.</p> <p>Centre tee needs to be angled at a 45 degree angle to point downwards to flexi-tank.</p> <p>Order of assembly:          Elbow &gt;          17cm pipe &gt;          Tee &gt;          6.5 cm pipe &gt;          Tee (sloped to 45 deg) &gt;          6.5cm pipe &gt;          Tee &gt;          13.5cm pipe &gt;          Elbow</p>	 <p>This drainage manifold should not be installed on the ends of the channel for shipment (next picture).</p> 

<p><b>5. Assemble inlet manifold</b></p>	<p>There will be two separate components, the manifold (13x4 tees and joiners) and the pipe connecting to the pump.</p> <p>Manifold order of assembly:  13mm end plug &gt;  5cm poly &gt;  13 x 6 reducing tee &gt;  18cm poly &gt;  13 x 6 reducing tee &gt;  7.5cm poly &gt;  13mm tee &gt;  7.5cm poly &gt;  13 x 6 reducing tee &gt;  15cm poly&gt;  13 x 6 reducing tee &gt;  5cm poly&gt;  13mm end plug</p> <p>Pump connection:  Insert 13mm elbow to 50cm poly.  Bundle with 74cm poly</p>	
<p><b>6. Partial Frame assembly</b></p>	<p>Using a mallet, knock the 4 x 3 way corners into 71cm AST on one end, then 4 way connectors at the other end, in the same orientation.</p> <p>Add the 7cm lengths to the end of the 4 way connectors, and insert end caps.</p>	
<p><b>7. Packaging</b></p>	<p>Use clear wrap to wrap the 12 lengths of aluminium together neatly.</p> <p>When the silicon is set (24 hours) fix the lids on top of the channel - 2 lids close spaced, 2 lids wider spaced. Place the channel and lid face to face on the lids to prevent scratching.</p> <p>Single Package.</p> <p>Box to be 1m long or less.</p>	<p>Prevent the Lids from being scratched - maybe put them face to face in the package as below.</p> 

**Assembly Procedure approved by:**

<p><b>Chris Faast</b></p>		<p><b>28 - 10 - 22</b></p>
<p>Manager's name</p>	<p>Manager's signature</p>	<p>Date</p>