

Replacement Tray Procedure

Purpose: How to remove and replace a tray on the Plant Producer Hydroponics unit

This document gives instructions on how to change a non-working tray.

Prerequisites

- Phillips screwdriver with good tip
- Small straight-slot screwdriver
- Step stool or step ladder may be needed for the top shelf
- Sponge or a cotton cloth if replacing the lower tray

Remove the old tray: Follow the directions based on which shelf needs the tray replaced

1. Turn the power off by pressing the switch down to the "O" position (the switch is located at the top-left rear of the unit).



2. Remove the corner pieces on all four corners above the grow shelf by pressing into one side of the corner piece (using your fingers or a straight-slot screwdriver) and squeezing the corner piece, then pulling it out.



3. Remove the grow cup tray by removing all grow cups from the tray, lifting the grow cup tray and angling it approximately 45-degrees, then sliding it out from one end.



4. Remove water from the lower tray assembly of the top shelf. Use a sponge or a cotton cloth towel, starting from the fill tube and push the water down the tray to the drain spout hole. Wring out the sponge or cloth after each pass. Repeat until the tray is dry.



5. If working on the top shelf: Move the fill tube out of the way by grabbing it and moving it outside of the top shelf. Remove the drain tube by removing the drain corner cover from below the shelf, grasping the drain tube and pulling it down (the drain is in the opposite corner from fill tube and has a hole in the bottom of it).



If working on the middle or bottom shelf: Remove the fill tube by grasping it and pulling down. Remove the drain tube from below the shelf by grasping it and pulling down (the drain is in the opposite corner from fill tube and has a hole in the bottom of it).



Fill tube removal

Drain tube

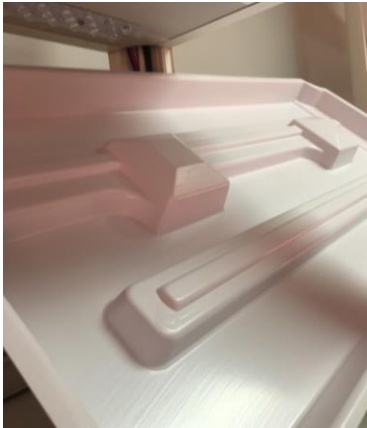
Drain tube disconnected

6. Remove the lower tray assembly of the grow shelf. Grasp the edges or raised portion of the tray, lift and rotate the tray to approximately 45-degrees, then slide the tray out from the shelf to expose the lighting wires and fans.



Install replacement tray:

1. Unpackage the replacement tray.
2. Insert the bottom of the tray assembling (the part that holds the water) by holding it at approximately a 45-degree angle and sliding it in from the side, then press it flat into place.



3. Reattach the fill tube to the shelf above by pushing the tube into place. Reattach the drain tube below the shelf by pushing the tube into place. The shelf may need to be held down when pressing the tubes into place.



4. Reinstall the grow cup tray by holding the tray at approximately a 45-degree angle and inserting it from the side. Place the grow cup tray on top of the bottom tray that holds water and press it into place.



5. Reinstall the corner covers by placing one edge into the groove of the corner and snapping the other end into place.



6. Power the unit on. Inspect the fans to make sure they are working. Inspect for leaks from the drain and fill tubes. Open the reservoir doors and inspect in the corners for leaks. If the lights are working and there are no leaks the replacement is finished.



Additional care tips:

1. Ensure the reservoir is filled with water/nutrients, check level daily if possible.
2. Add water regularly to prevent water levels from dropping too low, allow water to sit 24 hours before being added to allow chlorine to leach out.
3. Unit will beep once every 50 minutes when the water level drops too low.
4. Unit will consume more water as the plants get larger.
5. Check the nutrient levels periodically and the plants themselves systematically by keeping records or journaling to obtain optimal growth (suggest 2-4 times a week).

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