



Polystyrene Complete Hive Assembly Instructions

(SKU: LYSON W1103U)

Congratulations on your purchase of Lyson polystyrene hive equipment. To ensure your equipment is assembled properly, please read and follow these instructions. It is especially important to paint your hive to ensure its protection for a long life.

You will need:

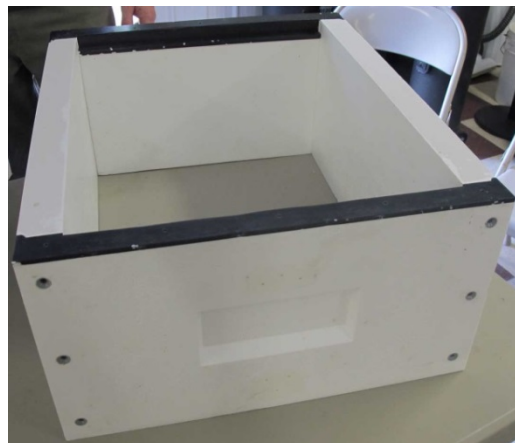
- Drill with Philips head bit (recommended) or standard Philips head screwdriver.
- Exterior latex paint and painting equipment.

Polystyrene Hive Components:

- Bottom board with debris/varroa monitoring tray
- Mouse guard/entrance reducer/closure
- Components for two deep hive bodies:
 - o 4 long flat sides
 - o 4 shorter sides with handles
- Propolis Screen that acts as an Inner Cover
- Outer Cover with 8 polystyrene plugs and 8 black plastic venting plugs
- 30-3.5" screws for hive assembly
- Latch Components: **(Optional)**
 - o 4-Latch catch
 - o 4-Latch stirrup
 - o 4-Hinged Latches
 - *Note: Hinged latch and Latch stirrup may be attached. See page 2 for a picture.
 - o 24-1" screws for latch assembly

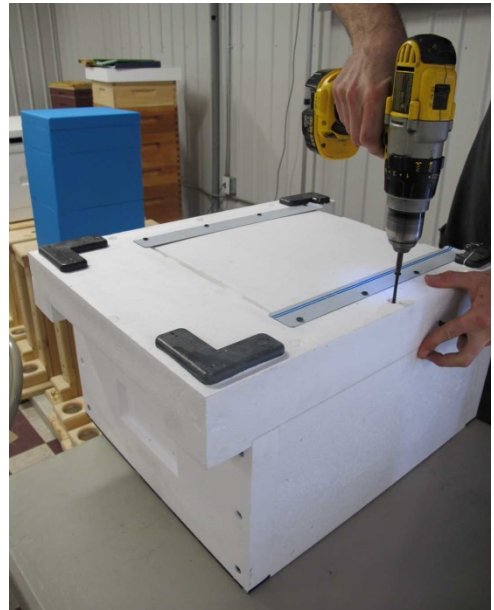
Instructions

1. Please ensure you have all the components.
2. Assemble Deep Boxes
Using the 3.5" screws, screw 6 screws into the preformed plastic screw holes on each short side of the deep box to connect the long sides. Make sure the short side and long side fit per photos below. Repeat for the second deep box. **Do not to overtighten the screws.**



3. **Assemble Bottom Board to Deep Box (Optional)**
Take one assembled deep box and turn upside down. Place the bottom board on top of the deep box upside down on top of deep box. See picture at right. Using the 3.5" screws, screw 6 screws through the bottom of the hive stand to attach the deep box. Do not to overtighten the screws.

4. **Paint the Hive**
To protect from damage by UV light, paint all surfaces of your Lyson hive exposed to the weather. Use two coats of exterior latex paint and do not paint the latches. In general we recommend lighter colors. It is important to let all your painted boxes air thoroughly for at least 24 hours so there are no odors when you install the bees.



Attaching bottom board to deep super.

5. **Install Latch Hardware**
Once the paint is dry, you can install the latch hardware. Use the 1" screws and screw into the pre-formed plastic inserts with guide holes on the short sides of the deep boxes and outer cover. Do not to overtighten the screws.

First, screw the latch stirrups onto the hinged latch (this may already be done for you). Do not screw these all the way down the latch as you risk breaking the hardware when you attach the hive components. You can adjust these when you put the hive together by screwing or unscrewing the latch stirrup on the hinged latch.

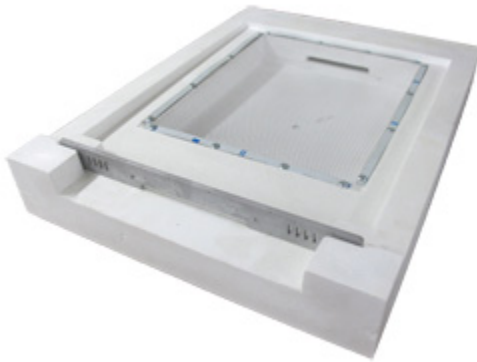
Install the following hardware on each short side. See pictures below:

- On the deep that is attached to the bottom board install the hinged latch only on the upper guide holes.
- On the upper deep install both a hinged latch (on the top) and a latch catch (bottom).
- On the outer cover install a latch catch.



6. Venting the Hive

Maintain appropriate ventilation. Use the polystyrene plugs and black plastic venting plugs to control venting in the outer cover. You can also increase fresh air access by removing the debris/varroa monitoring tray from the bottom board accessed at the back of the hive. This will prevent bees from using the outer cover as a top entrance to maintain appropriate venting. You can also control venting by removing the tray on the bottom board.



Screened bottom board with removable tray



Propolis Trap that works as an Inner Cover

Once complete, your hive should look like this, but painted!



Any questions? Call us at 1-800-632-3379