



Assembly Instructions: Tall Screen Cage System



2*Hydration Mounts: For mounting industry standard mist heads and a 1/4" tubing input for plant drip system.

Solid Back Panel: Protects house walls from mist over-spray.

Stainless Steel Latches: For long lifetime use.

6 * Dragon Ledges: Anchors for mounting horizontal branches and potted plants.

Flip-up Service Door: Convenient access to clean cage floor.

Cage Floor Option: Solid for resting potted plants or screen for maximum drainage.

Fitted Drainage Tray: To catch and hold waste water away from cage inhabitants.

The Dragon Strand Tall Screen Cage System includes features needed by keepers of chameleons and other arboreal species. The patented Dragon Ledges allow you to easily create a floating garden style interior while the true drainage tray maintains a hygienic environment by keeping water away from droppings and escaped feeder insects. If you have any questions while assembling this cage please reference the product page for links to detailed instructions or email bill@dragonstrand.com

Tools Needed for Assembly:

- Phillips Head Screwdriver
- Scissors (to unwrap parts)
- Bowl (to hold screws)

Optional:

WD-40 or Goo Gone (to remove stickers)

Caution 1: Do not over-tighten screws! Tighten the screw until it is fully seated in the frame and stop turning when the screw is tight. Forcing the screw beyond this point will strip the hole.

Caution 2: Beware of slipping with the screwdriver and punching a hole in the screen. Tighten the screws firmly and deliberately, but do not rush yourself or press harder than necessary.

Success Hint: Open a screw bag only when it is required and store screws in a bowl.

Assembly Note: Except for the Bottom Frame, the panel side with the sticker is the inside of the cage.

Step 1: Unpack and Verify Contents

Carefully unpack the box and find each item. If there is anything missing or if there is shipping damage please contact me at bill@dragonstrand.com.

Cage Panels:

- (A) Left Panel
- (B) Back Panel Frame + PVC sheet
- (C) Right Panel
- (D) Bottom Frame
- (E) Top Panel
- (F) Plastic Floor Panel
- (G) Service Door
- (H) Main Door
- (I) Screen Floor

Drainage Tray



PVC Plastic Parts:

- (R) 4* Side Brace
- (T) 4* Black Ledge
- (U) 2* White Ledge
- (W) 1*Door Stop

Hardware Packs:



- Labeled Bags:
 Doorstop Screws
 Back Panel Screws
 Hinges
 Cage Assembly Screws
 Latches/Keepers
 Ledges Mounting Hardware
 Hydration Mounts



- Hinge Bag:
 2* Hinges
 8* 1/4" #8 Screws



- Latches/Keepers Bag:
 4* Latches
 4* Keepers
 16* 3/8" #8 Self-Tapper Screws



- Hydration Mounts Bag
 2* Hydration Mount
 2* Grommet
 6* 1/2" Screws

Ledges Mounting Hardware

- 16* 1/2" Self-Driller Screws
- 1* 1" Self-Tapper Screw
- 12* 5/8" Machine Screws
- 6* 3/8" Machine Screws
- 18* Caps



- 12* Screen Spacers

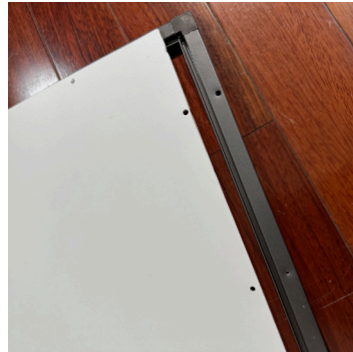
Step 2: Assemble Back PVC panel

To assemble the back panel, find the frame (B) and the corresponding PVC white plastic sheet. Remove the protective film from the PVC, align the predrilled holes on the PVC and the aluminum frame, and carefully attach the two using the Back Panel screw pack. Note that there are two types of holes drilled in the frame and PVC. The smaller ones are for mounting the PVC to the frame and the larger ones are for assembling the completed panels together to form the cage. If the hole is too big for the panel mounting screw then it is a cage assembly hole.

Back Panel Assembly Procedure



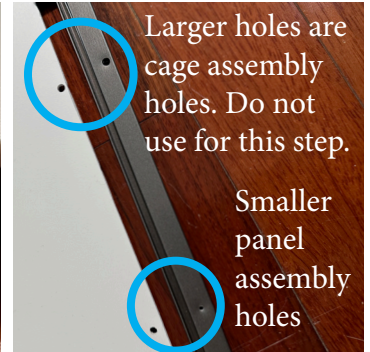
Remove protective film from PVC sheet



Align the holes drilled in the PVC sheet with the predrilled holes in the back frame



Use screws in the bag labeled Back Panel Screw bag to carefully attach PVC to frame. Do not overtighten!

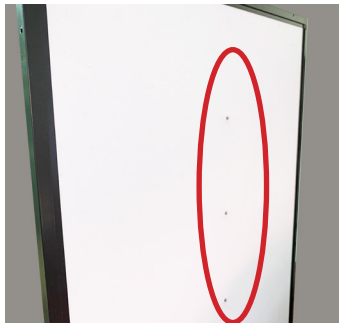


If the hole is too large for the panel mounting screw it is a cage assembly hole. Skip the larger holes for this step!

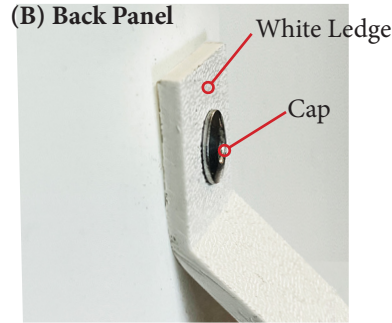
Step 3: Install Dragon Ledges on Back Panel

Use White plastic Dragon Ledge pieces and "Ledges Mounting Hardware" bag. Dragon Ledges are mounted on the INSIDE (PVC side) of the back and side panels. Back panel (B) has pre-drilled holes for two vertically orientated Dragon Ledges. The inside of the panel is the side with the PVC.

Installing Back Panel Dragon Ledges



Push a 3/8" Machine Screw from outside of Back Panel (B) to inside (PVC side).



Place White Ledge across screw end and tighten down with one Cap per screw end. Twist cap and screw together tightly. Repeat until both Ledges have three screws each,



Completed Back Panel Assembly

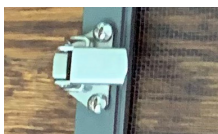


Repeat for side panels (A) & (C). Ledges on side panels are horizontal.

Step 4: Install Latches, Keepers, and Hinges

All latches, keepers, and hinges are mounted on the outside of the panels in pre-drilled holes.

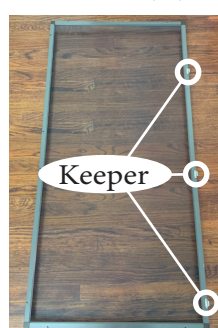
Latch



Keeper



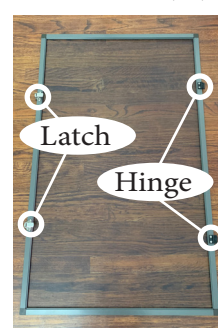
Left Panel (A)



Right Panel (C)



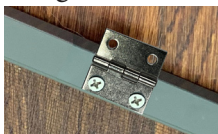
Main Door (H)



Service Door (G)



Hinge



Door Stop (W)



Step 5: Installing Side Panel Dragon Ledges

Side Panel Dragon Ledges may be placed at any height. Do not cover pre-drilled mounting holes. If unsure, place them roughly in a way to split the cage in three equal levels. Exact placement is not important. See final page for application. Braces (R) and Screen Spacers go on outside of panel. Ledges (T) are on inside of the screen panel.

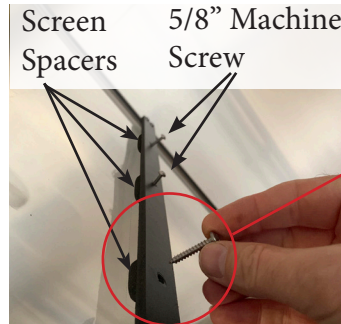
Mounting Side Braces (R)



Place Braces (R) in desired position on OUTSIDE of side panels (A) and (C). They can be held in place with masking tape if desired.



Use four Self-Driller screws for each Brace. Press firmly with screw driver, twist, and you will feel the puncture into the frame. Then tighten.



Place Spacers (P8) between Brace (R) and screen. It may be held in place by half inserting Machine Screw. You will create the entry hole in the screen for the machine screws in the next step.



Twist (P2) Self-Tapper Screw through holes in Brace and Spacer to create a hole in the screen. Remove Self-tapper screw and push Machine Screw (P3) all the way through.

Adding Ledge Parts



Place (T) Black Ledge part across each machine screw. This is easiest done when side panel is on ground.



Place (T) Black Ledge part on top of screw posts and insert (P5) Cap through mounting holes to sandwich ledge. Twist machine screw and cap together to tighten assembly.



The finished Dragon Ledge assembly. Repeat for a total of four locations. There are two Dragon Ledge assemblies for each side panel.

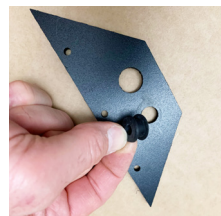


Step 6: Install Hydration Mount

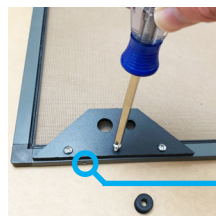
The two Hydration Mounts may be mounted anywhere along the inside of the (E) Top Panel. The grommet is used to allow a 1/4" drip system tubing. The larger hole is for Mist King value mist heads (not included). Install mist heads after the cage is together. Both mist heads and grommet may be installed anytime in the future. **Ensure that the mount screws will not interfere with the predrilled holes for cage assembly.**



A common and effective Hydration Mount placement is near the front left and right corners of the inside top panel.



If installed, remove grommet before attaching Hydration Mount.



Place Hydration Mount and screw in with Self-Driving Screws. Place so the edge of the mount is flush with the edge of the frame. **Do not interfere with Cage Assembly Screws!**



To Install Grommet: Cut "X" pattern in screen from top.



Insert Grommet. Squeeze grommet to push it through.

Note: If you are not going to use the grommet input then you may skip these two steps. You can install the grommet at any time in the future you choose.

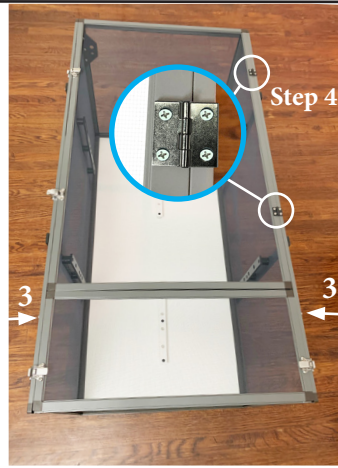
Step 7: Constructing the Cage



1) Construct cage core with Back Panel (B), Top Panel (E), and Bottom Frame (D). Use two 3/4" Cage Assembly screws each. Bottom Frame sticker is on outside. Other panels are installed with stickers on inside.



2) Add Side Panel Assemblies (A) and (C) with eight 3/4" Cage Assembly screws each. Stickers are on the inside top of the panel. Attach to Top Panel (E) first to avoid slipping and possible screen damage.



3) Complete Front by first installing the Service Door (G) with two 3/4" Cagr Assembly screws from the sides.
4) Use four 1/4" Hinge bag screws to attach hinges.



5) Slide in either Floor Panel (F) or Screen Floor (I). The longer side of the panel goes to the back.
6) Place your cage on top of the Drainage Tray.



Dragon Ledges can be used to their full potential by installing a strong branch support structure. From there, horizontal perching branches and pots for plants can be mounted. In this example, the branches and pots have been attached using zip ties. **WARNING:** do **not** force the zip tie connection and pull tight. The Dragon Ledges are **very** strong and can pull the cage walls together which will affect door fit. Loosen zip ties if door does not close cleanly.

Thank you for your support of the Dragon Strand Chameleon Caging Company. This purchase supports my ongoing chameleon educational outreach and keeps it free for the benefit of the entire community. In addition to the caging specific resources at <https://dragonstrand.com>, you may enjoy the free Chameleon Academy Podcast at <https://chameleonacademy.com> or on any podcast app!

