



6' & 8' DIAMETER SUNCATCHER ASSEMBLY INSTRUCTIONS

GETTING ORGANIZED

Video: 6'-8' Suncatcher Enclosure Assembly (SCA000) <https://youtu.be/peCoEDqsgDY>

Video: SCA001 <https://youtu.be/8p-l-d2P9C4>

TOOLS NEEDED

- Phillips Head Screwdriver
- 7/16" regular wrench

HELPFUL TOOLS TO HAVE

- Power screwdriver or drill with a Phillips Head bit to remove screws from shipping crate - **not to assemble the Suncatcher**
- A utility knife or a pair of scissors for removing packing materials
- A step ladder
- Rubber or plastic mallet

BASIC TIPS AND ADVICE

- Suncatcher enclosures are easily assembled by two people
- Thoroughly read through instructions before starting.
- Complete the assembly steps in the order that they are presented.
- Choose a level place to set the cage and build the cage in the location where it will be set.
- Collect all the tools that you will need.
- Unpack the shipping crate and take an inventory of the enclosure parts. The exact type and number of parts may be different depending on the size of the cage and the accessories you ordered. Refer to the packing list for the complete inventory.
- Unpack and place all the parts near where the enclosure will be located.
- In order for all the parts of a Suncatcher enclosure to be assembled in their correct positions it is very important that the parts be able to move a bit while they are being put together. Therefore do not tighten any nuts or screws completely until the end of assembly.
- Do not let the stainless steel hardware pieces get too hot. Heat makes them expand and difficult to install.
- Do not use a drill or power screw driver to seat the screws as this will cause them to heat up and expand.
- Don't be alarmed if you have leftover hardware when you are done.

TAKING INVENTORY

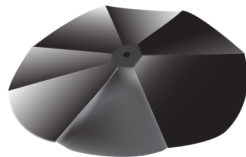
Video: SCA002 <https://youtu.be/bLH4q1y4b-U>

- Unpack all of the boxes before taking inventory, as similar parts may be packaged in separate boxes.
- You should have all the parts listed on your packing list enclosed with your unit.
- Small parts can be easily lost in packaging so carefully look through all packaging.

PARTS LIST



Triangular Roof Panel



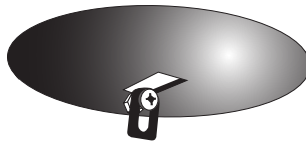
Roof Cap



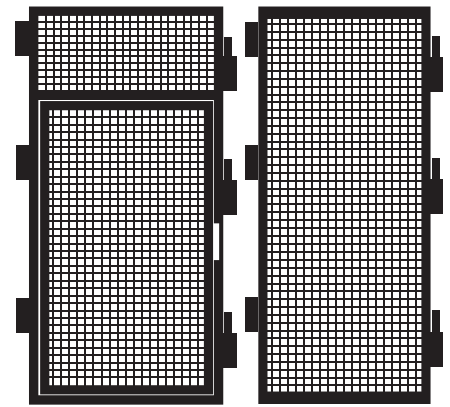
Roof Rafter



Roof Brace



Roof Underside Support Plate



Door Panel
(Inside View)

Side Panels
(Inside View)



4" Carriage Bolt



5/8" Screws



5/8" Screws w/ Washer



Nut



Jam Nut

If you have problems with assembly, or are missing parts, you can call (920) 886-1220 ext. 15 or email CustCagesContact@aol.com

We are open 9:00 am – 4:30 pm CST Monday through Friday.

STEP 1 Assembly of Door & Side Panels

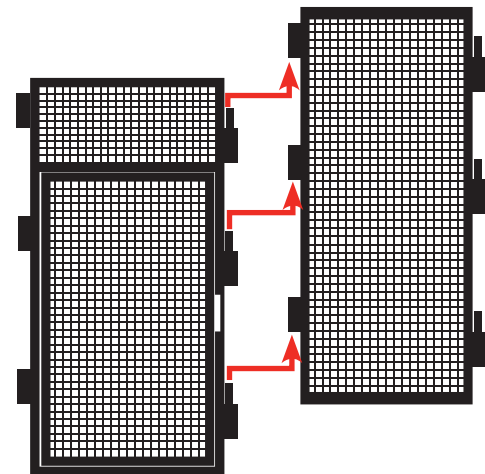
Illustration 1

Video SCA003 <https://youtu.be/fy0q0nLSbsU>

- Locate the door panel. The top of the panel will have threaded bolt holes in the center. The outside of the panel will have one bolt hole and the inside of the door panel will have two bolt holes.
- Looking from the inside of the panel, the left side will have round tubular hinges without pins. The right hand side round tubular hinges will have stainless steel pins which face up.
- Locate a side panel. The top of the side panel has one bolt hole on the outside and 2 bolt holes on the inside, just like the door panel. The position of the hinges on the side panel are also the same as the door panel.
- While one person holds the door panel upright, a second person can line up the left hand (from the inside) hinges on a side panel over the right side hinge pins of the door panel.

Illustration 1

- Insert the top of the center hinge pin first, because it is slightly longer than the upper and lower pins, but **DO NOT** push it down.
- Line-up the upper and lower hinges on the side panel over the pins on the door panel. Once they are in place, apply pressure to seat the pins fully into the hinges. Gently swinging the panel back and forth will help to seat the pins. If seating the pins is difficult, use a rubber or plastic mallet to gently tap on the top corner of the side panel frame. **Do not tap on the center of the frame.**
- Continue putting the side panels in place until the ring of panels is complete.
- The left side hinges on the door panel will be seated onto the right side pins of the last side panel.
- Gently pull and push the side panels of the cage until the shape is roughly symmetrical.



STEP 2 Roof Supports

Video SCA004 <https://youtu.be/ARc0Mgld9p8>

- Locate the pre-assembled roof rafter and the roof underside support plate.
- Position the underside support plate on top of the brackets in the middle of the pre-assembled roof rafter with the tab of the underside support plate extending down on the outside of the bracket. *Illustration 2*
- Insert a 5/8" long screw without a washer through the hole in the underside support plate and push it through the hole in the roof rafter and the tab of the underside support plate. Secure the 5/8" screw with a nut, but do not tighten it completely. The underside support plate should be able to move easily. *Illustrations 3 and 4*
- Lift the roof rafter into place inside the enclosure. The roof rafter brackets will align with the threaded holes at the top of the side panels. Mount the roof rafter on two opposite panels.
- While one person holds the roof rafter in position the other can insert the 5/8" long screws without a washer through the bolt holes in the roof rafter brackets and into the threaded holes in the side panels.
- Do not completely tighten the screws.
- While one person holds the roof brace in place, the other can insert the 5/8" long screws without a washer through the bolt holes in the roof brace and into the threaded holes of the side panels. *Illustration 5*

Illustration 2

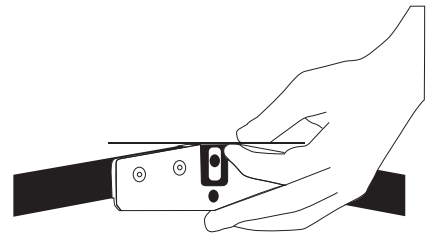


Illustration 3

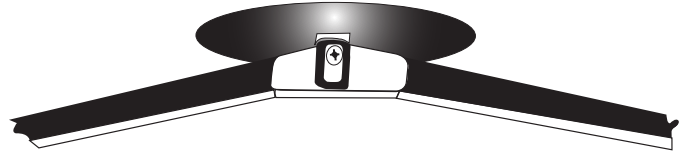


Illustration 4

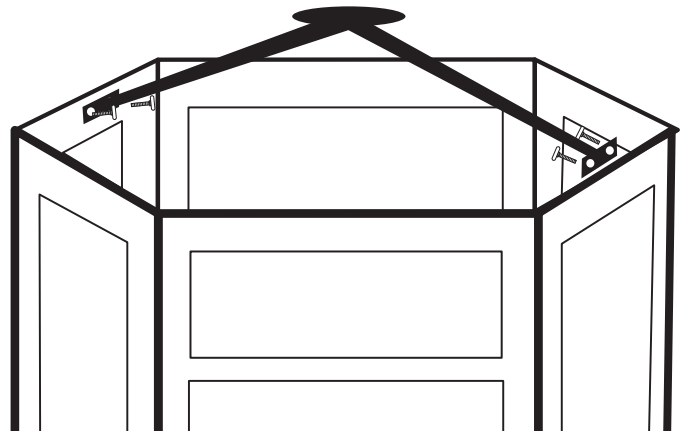
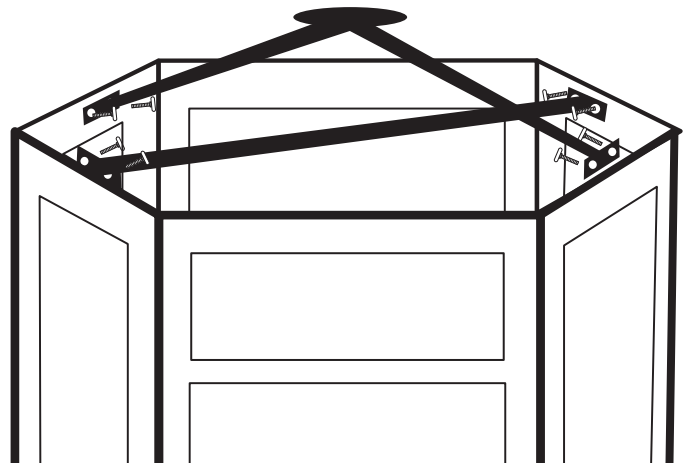


Illustration 5



STEP 3: Roof Panels

Video SCA005 <https://youtu.be/-z8pzaGRMmE>

- Locate a roof panel. The outside edge (wide end) has a downward flange with an oval bolt hole in the center. The right side of the panel has an upward oriented flange. *Illustration 6*
- Set the first roof panel on top of the enclosure immediately over one arm of the roof rafter. The narrow end of the roof panel should rest on top of the roof underside support plate. The oval bolt hole on the flange of the wide end of the roof panel should be lined up with the threaded insert at the top of the cage panel. *Illustration 7*
- Thread a 5/8" long screw with washer into the threaded insert at the top of the side panel and through the oval bolt hole in the roof panel, but do not completely tighten the screw. *Illustration 7*
- Lift the next roof panel into place to the right of the first panel set in place, so that the raised channel on the left side of the roof panel sets over the vertical flange on the right side of the first roof panel. The tips of the two roof panels should be even with each other and resting on top of the roof underside support plate. *Illustration 8*
- Thread a 5/8" long screw with washer into the threaded insert at the top of the side panel and through the oval bolt hole in the roof panel, but do not completely tighten the screw.
- Repeat the process of installing roof panels from left to right until there is only one roof panel left to install.
- Locate the roof cap and insert the 4" carriage bolt through the hole in the center from the convex side of the cap. *Illustration 9*
- Lift the roof cap and 4" carriage bolt through the gap in the incomplete roof and insert the 4" carriage bolt down through the space between the roof panel tips, the center of the roof underside support plate and the bolt hole in the center of the roof rafter center bracket. *Illustration 10.*
- Thread first the nut and then the jam nut onto the end of the 4" carriage bolt, but do not completely tighten it. *Illustration 11*
- Install the last roof panel, carefully tilting the right side vertical flange under the left side channel in the roof panel on the right.
- Make sure the narrow tip rests between the roof underside support plate and the roof cap.
- Lower the channel of the left side of the roof panel onto the vertical flange of the roof panel on the left.
- Seat the panel so that the oval bolt hole lines up with the threaded insert on the outside of the side panel insert a 5/8" screw, but do not tighten it completely.

STEP 4: Tightening Fasteners

Video SCA006 <https://youtu.be/JiccOCsfObY>

- Inspect the Suncatcher enclosure carefully to make sure that everything is aligned properly. Make small adjustments as necessary. At this point there should not be any big gaps anywhere in the cage. Now all the fasteners will be tightened. Use hand tools only.
- Start outside of the enclosure, tighten the 5/8" long screws with washers that secure the roof panels to the tops of the door and side panels.
- Tighten the screws in the brackets at the ends of the roof rafter and the roof brace.
- Tighten the nuts that holds the roof underside support plate to the roof rafter center bracket.
- Lastly, tighten the nuts on the 4" carriage bolt in the center of the enclosure.

Illustration 6



Illustration 7



Illustration 8

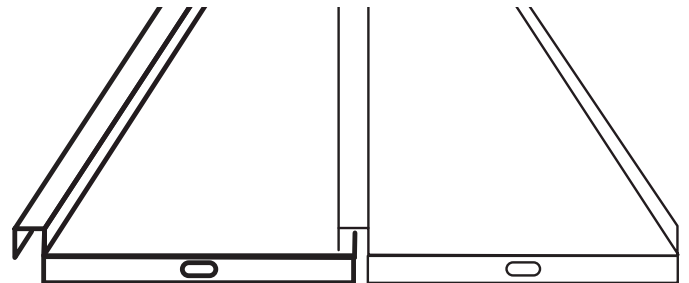


Illustration 9



Illustration 10

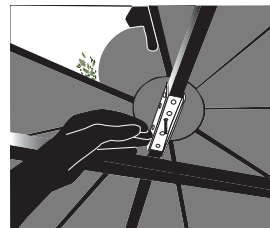


Illustration 11

