

TM12 ASSEMBLY INSTRUCTIONS



Congratulations on purchasing the finest purple martin house available. Nature House Brand houses are the proven leader in aluminum martin housing for over half a century.

After reading the instructions please remove all items from both boxes. MARK THE CHECK BOXES ON PAGES 4,5 AND 22 - next to each item after inspection. Claims for missing or damaged parts must be made within 10 days of receipt by calling 1-800-342-3782 or e-mailing ervatool@sbcglobal.net

**Please keep this manual for future reference. Parts are always available at our website or by calling
1-800-342-3782**

erva.com



NOTES

[illegible]

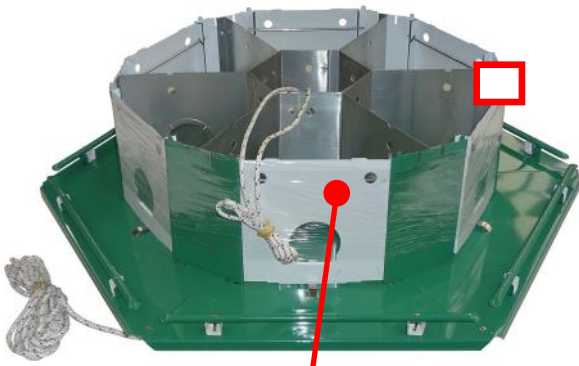
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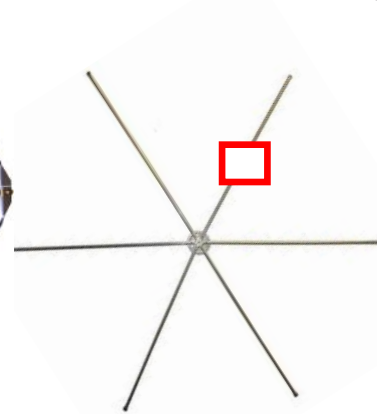
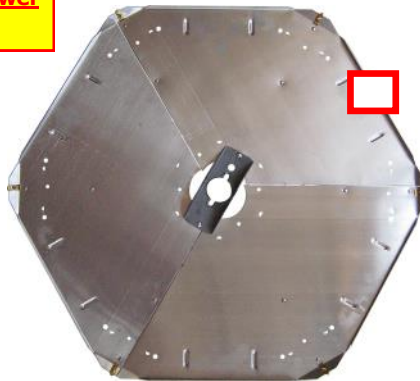
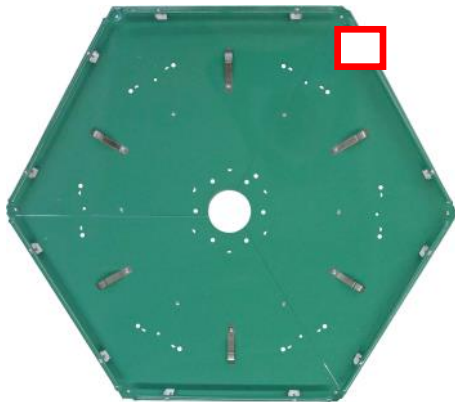
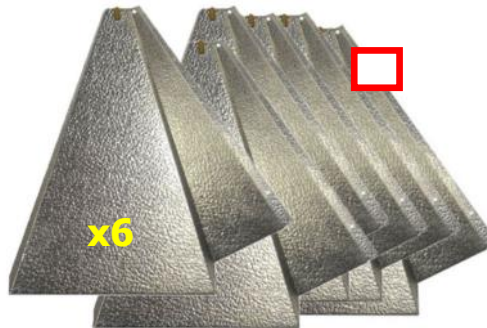
TM12 HOUSE • VISUAL INSPECTION PAGE



This page and the next, feature check boxes ☒ to verify contents of the box. Please remove all items from the house box and place a check mark in the box next to the image once the items are identified. Note that the assembled lower floor contains additional items.



There are additional items inside the assembled first floor. See next page for contents.
Important: Do not remove clear plastic stretch wrap around diameter of this Lower Floor Assembly.

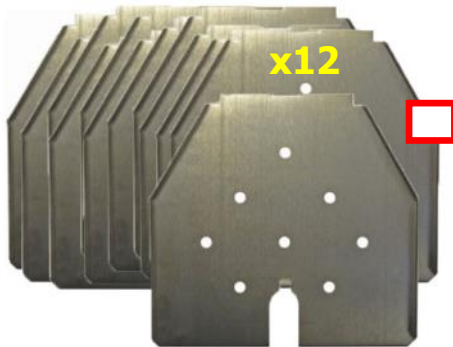


TM12 HOUSE • VISUAL INSPECTION PAGE

DO NOT remove the plastic wrap around the diameter of this assembly. It is there to hold the doors in place. This allows for easy installation of the upper floor. Remove only when instructed to do so.



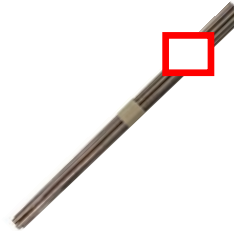
ITEMS BELOW ARE PACKED *INSIDE* THE ASSEMBLED FIRST FLOOR



BAGGED



PACKED TOGETHER IN #900053 BAG



BAGGED



BAGGED



BAGGED



BAGGED



BAGGED



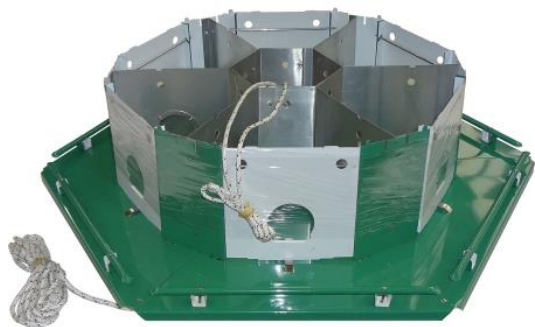
BAGGED



BAGGED



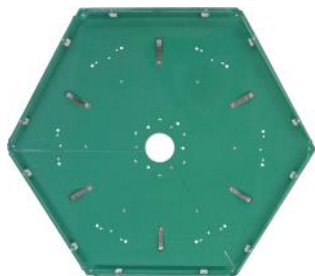
HOUSE PARTS • IDENTIFICATION AND DESCRIPTION PAGE



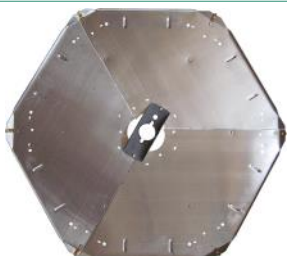
#960049 Lower Story (1 pc) Fully assembled first story

Note: The various components of this assembly can be found by visiting our website: erva.com Place this part number in the search box (upper right side) for a full description.

Important: Do not remove clear plastic stretch wrap around diameter of this Lower Floor Assembly.



#827400 Upper Floor (1 pc)



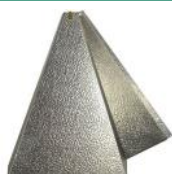
#827424 Ceiling (1 pc)



#728424 Tie Rods And Nuts (Bagged) (1 set) Consists of:

#35288 Acorn Thru-Nut (12 pcs) *Used at both ends of #728425 Tie Rod*

#728425 Threaded Tie Rods (6 pcs) *Used to connect 2 floors to ceiling*



#827410 Roof Section (6 pcs)



#827408 Room Divider with removable plug (3 pcs)

Note: The plug may be removed if your intention is to provide enlarged compartments. This may necessitate the use of crescent doors, as starlings will attempt to nest in compartments larger than 6x6.



#827406 Room Divider (3 pcs)



827428 Star Perch (1 pc) *Mounts directly onto top of Pulley*

HOUSE PARTS • IDENTIFICATION AND DESCRIPTION PAGE



#900179 Roof Finial Hardware (Bagged) (1 set) Consists of:

#27415 Aluminum Finial (1 pc) *To be mounted at top of assembled roof*

#35250 #6 x 3/8" Sheet Metal Screw (6pcs) *Used to connect finial to top of assembled roof*

#32022 #4 Star Lock Washer (6 pcs) *Used to connect finial to top of assembled roof*



#900178 Roof Panel Connecting Hardware (Bagged) (1 set) Consists of:

#35263 6-32 x 5/16 Pan Head Phillips Machine Screw (12 pcs) *Used to connect roof panels*

#35252 6-32 Keps Locking Nut (12 pcs) *Used to connect roof panels*

#27300 Wrench for 6-32 Nuts (2 pcs) *Used to tighten all 6-32 Nuts*



#900177 Roof Screws: #6 x 3/8 SMS (#35250) (Bagged) (6 pcs) *Used to connect roof to ceiling*



#932002 Rope Pulley Set (Bagged) (1 set) Consists of:

#932001 Pole Top Pulley Assembly (1 pc) *To be mounted at top of pole to guide rope*

#32004 Spring pin 1/4" x 2" (1 pc) *To be inserted in top pole section just beneath pulley*



#900012 Pole Connecting Clamp (Bagged) (1 pc) *Connects Bottom to Center pole*



#926216 Rope Cleat And Screws (Bagged) (1 set) Consists of:

#26212 Rope Cleat (1 pc) *Attaches to pole. Used to secure rope*

#35264 10-32 x 1/2 Self Threading Screw (2 pcs) *Used to attach cleat to pole*



#925065 Door Stops (Bagged) (12 pcs) *Used to close doors at end of season*



#765645 Door Rods (Bundled) (6 pcs) *Used to hang doors*



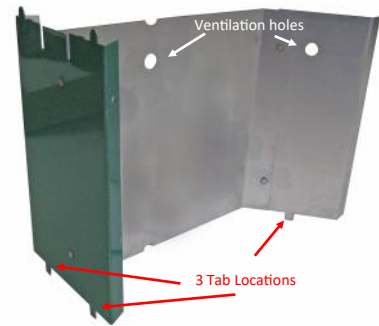
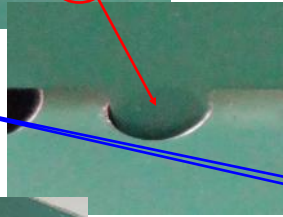
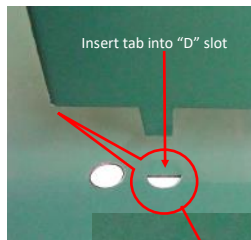
#26241 Sub Floors (12 pcs) *Used to elevate bird nests and keep them dry.*



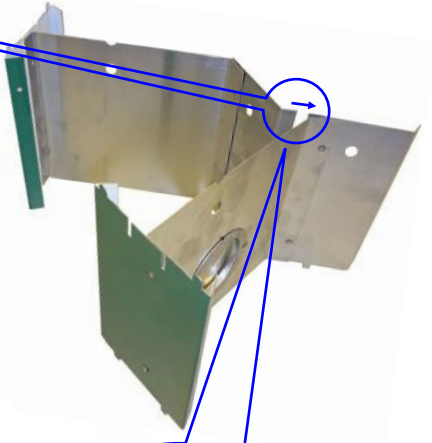
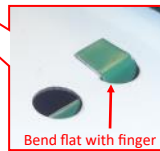
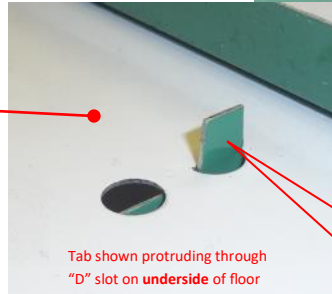
#MHD 6TM Doors (Bagged) (12 pcs)

HOUSE ASSEMBLY INSTRUCTIONS • ROOM DIVIDERS

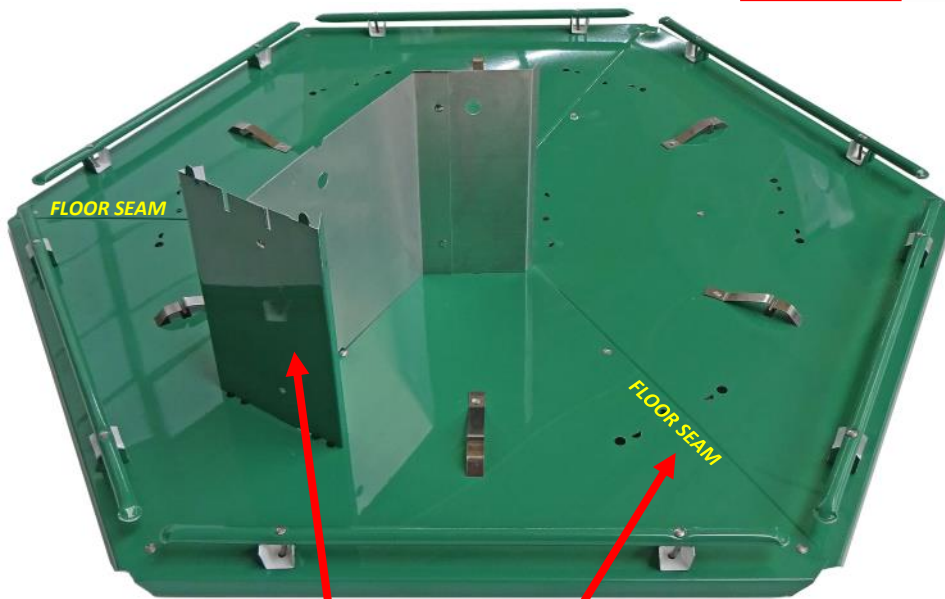
1. Place one compartment divider (#827406) on bottom floor as shown BELOW. **NOTE POSITION OF FLOOR SEAM.** Ventilation holes are up. **Three square tabs go into "D" holes in floor.** Bend tabs against straight side of "D" on **underside** of floor. Place a compartment divider *with plug* (#827408) adjacent to the first divider **ALONG FLOOR SEAM** and **slide rear panel into slot provided** on the installed divider. Bend tabs as before.



UNDERSIDE OF FLOOR



Sections Interlock



Note position of floor seam.

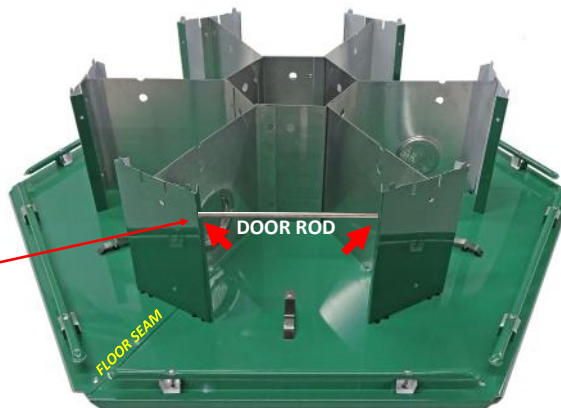


HOUSE ASSEMBLY INSTRUCTIONS • ROOM DIVIDERS / PLACE UPPER FLOOR



2. Continue around the floor alternating dividers and interlocking them as you proceed.

3. Install door rods in upper floor.



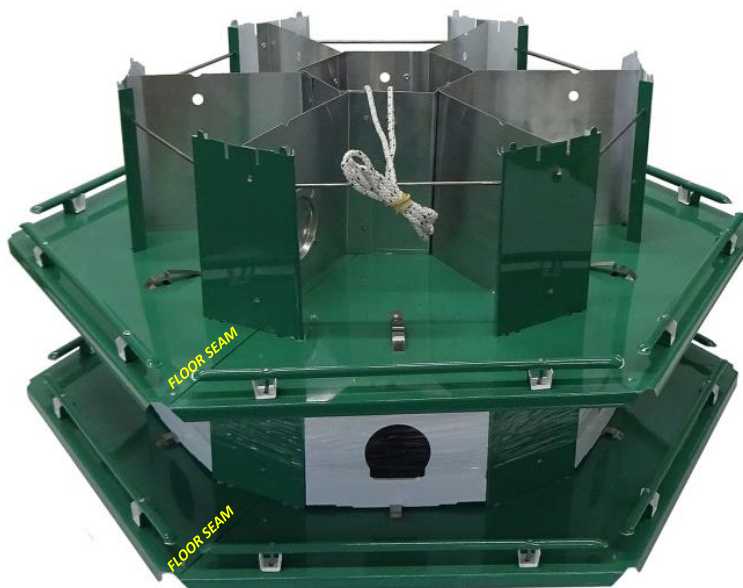
Place bottom floor assembly on 2x4's or an open box—to keep it level. **Position floor with seam as shown.**



4. Place top floor on bottom floor. Making sure seams in floors are aligned.

Locate in proper position over dividers below by inserting the two round top tabs on the top of each divider into round holes in the top floor.

BE SURE round tabs are to the inside of each divider front (hidden) on the top floor.



Note: The rope must be pulled up through the second floor. It will continue to be pulled up through the ceiling and finally the roof.

HOUSE ASSEMBLY INSTRUCTIONS • CEILING PLACEMENT

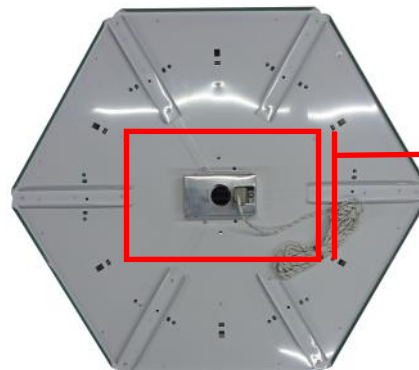
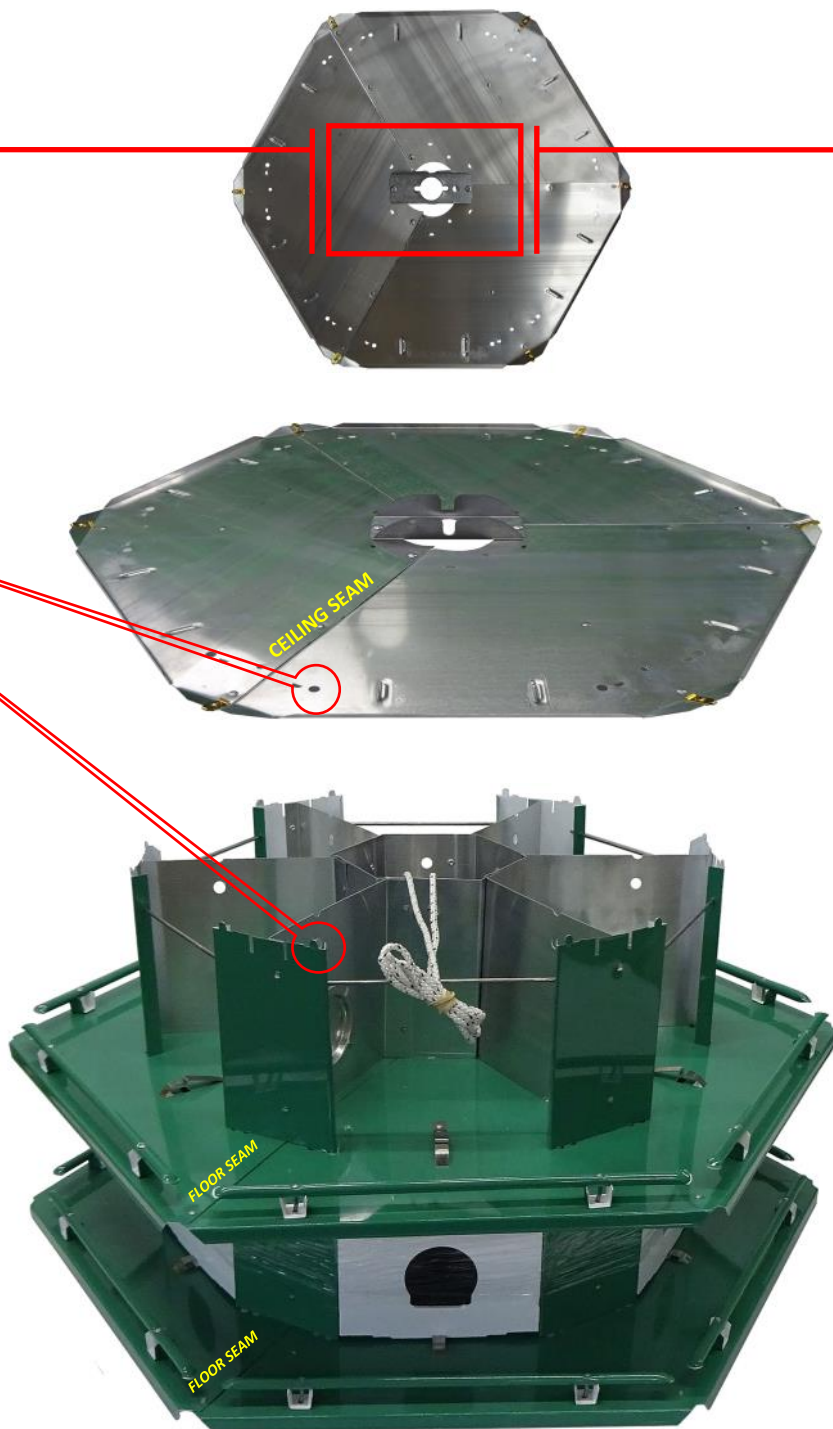
Note orientation of plate on ceiling—and the position of the lanyard lock mechanism on the underside of the first floor. It is **IMPORTANT** that they are aligned as shown.

5. Align seam and lower the ceiling. Locate the tabs on the dividers and nesting the ceiling in position—allowing the tabs to protrude through the holes.

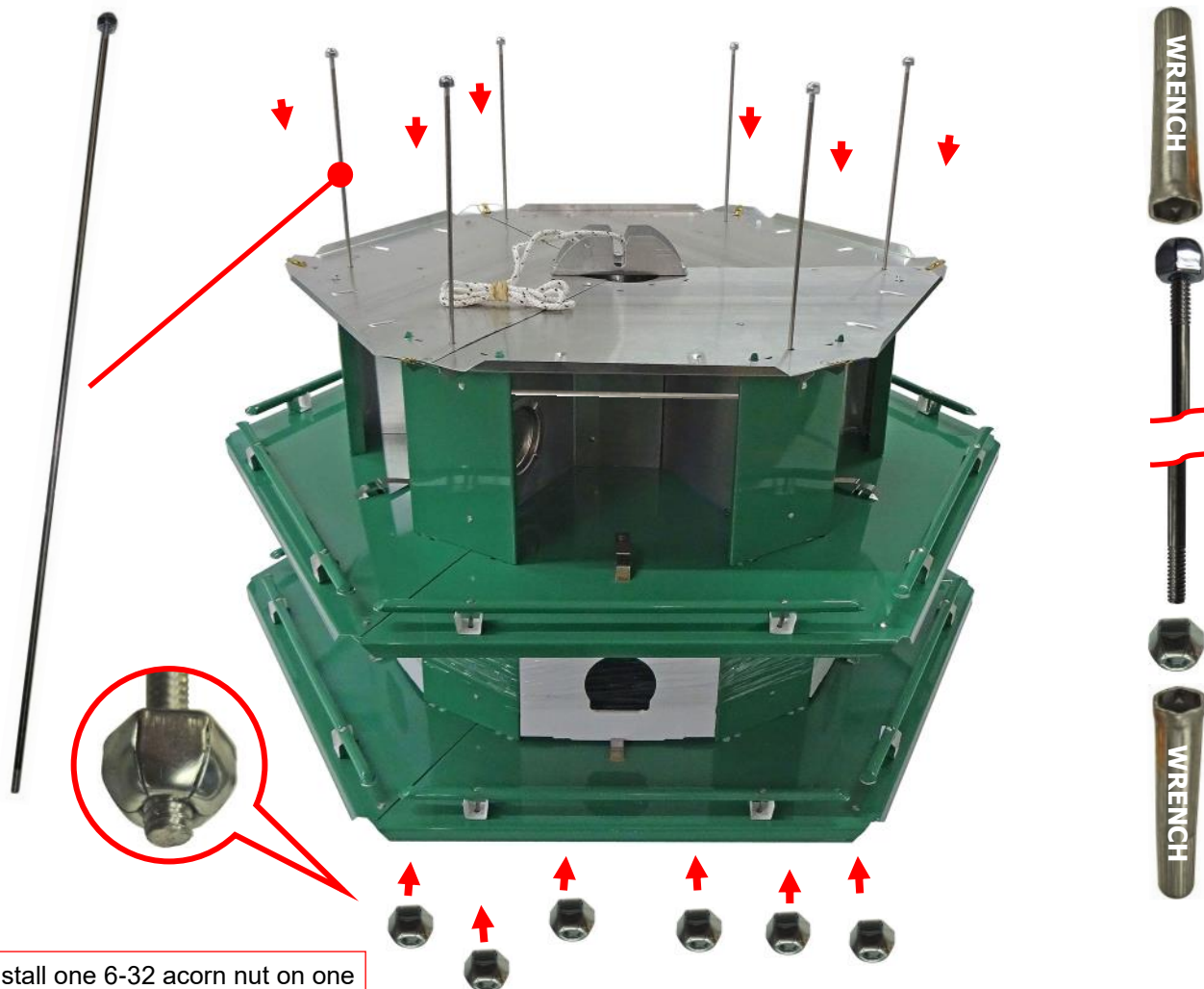


Pull rope through ceiling hole.

It is **IMPORTANT** that the plate on the ceiling, and the lanyard lock mechanism are properly aligned to insure the rope passes through freely.



HOUSE ASSEMBLY INSTRUCTIONS • TIE RODS SECURING BODY OF HOUSE



6. Install one 6-32 acorn nut on one end of each tie rod (finger tight).

Use small wrench after starting. Insert tie rods into round hole located between each set of "D" holes about 2" from edge on ceiling. Rotate tie rod slowly and secure the end that protrudes from bottom floor with a second acorn nut.

Carefully handle assembly until all tie rods have been tightened. Inspect house assembly to insure all door rods are in place and all tabs from bottom floor are to the inside of divider above them.

Then using the two wrenches provided to tighten acorn nuts on tie rods until snug.



HOUSE ASSEMBLY INSTRUCTIONS • ROOF ASSEMBLY

7. Use two each 6-32 pan head machine screws (#35263) and two nuts (#35252) to attach two riveted roof sections as shown. The bend on larger section overlaps bend on smaller section. Do not tighten at this time. Repeat this step until all six riveted roof sections have been joined.



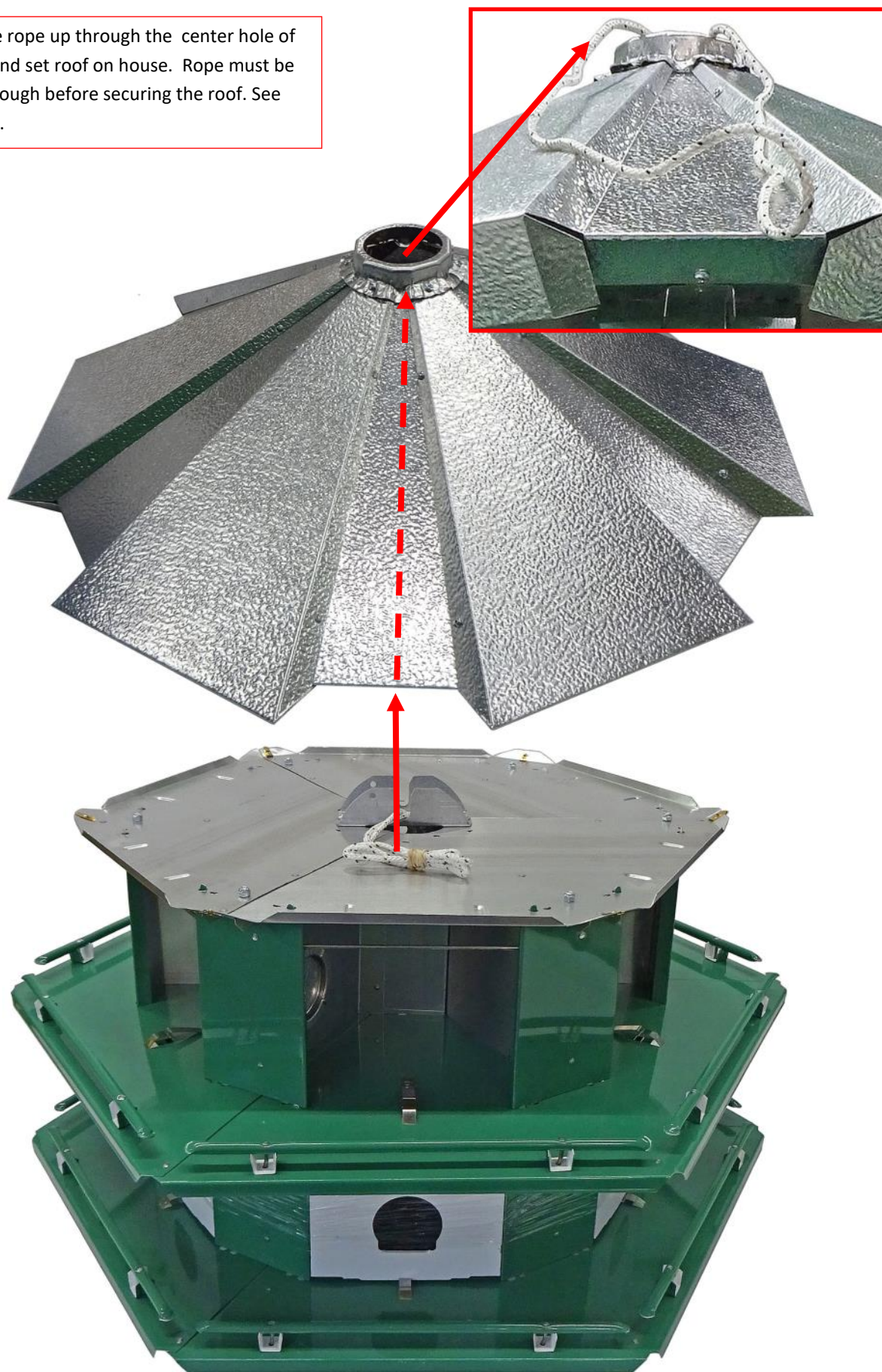
8. Place roof finial over roof peak and attach with six 6x3/8 Screws (#35250). **Tighten all screws and nuts on the roof.**



Tighten ALL screws on roof before installing onto ceiling.

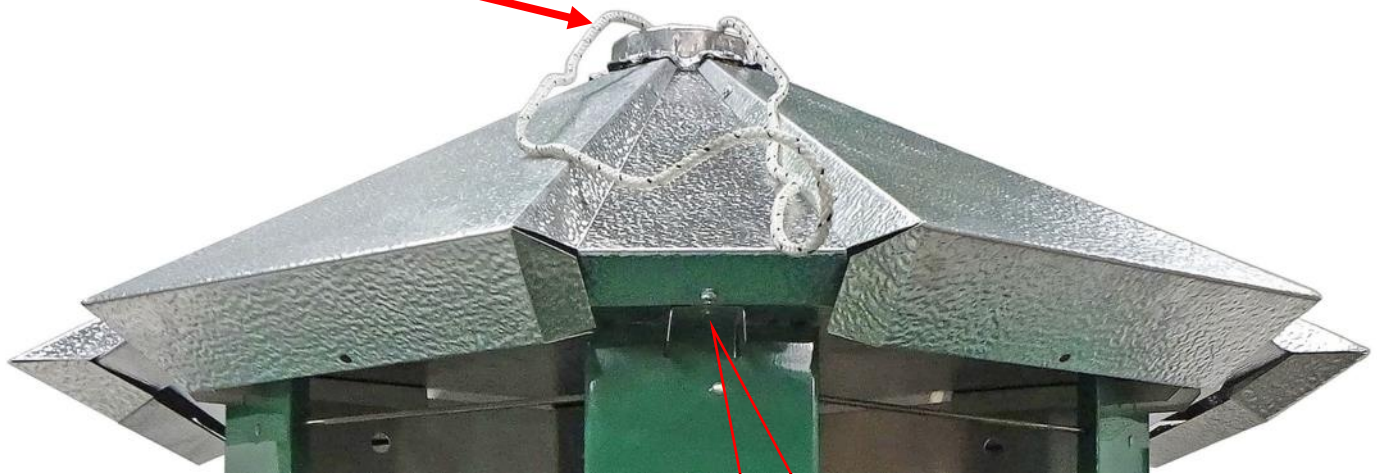
HOUSE ASSEMBLY INSTRUCTIONS • ATTACHING ROOF

9. Pull the rope up through the center hole of the roof and set roof on house. Rope must be pulled through before securing the roof. See next page.

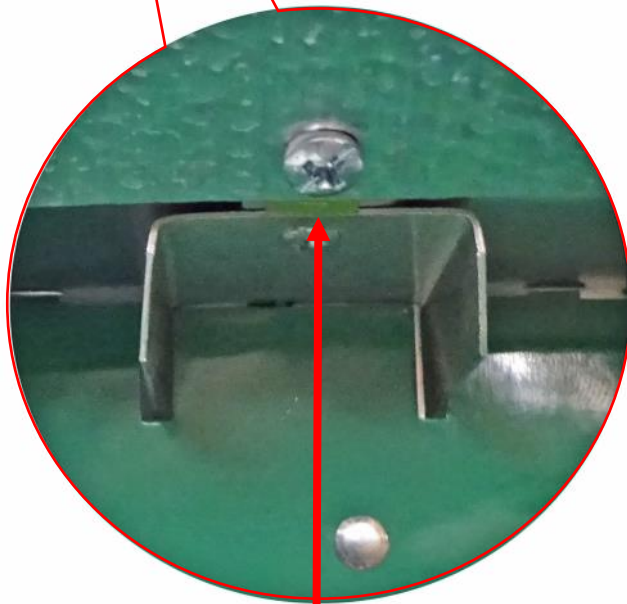


HOUSE ASSEMBLY INSTRUCTIONS • ATTACHING ROOF

Pull rope through before securing roof



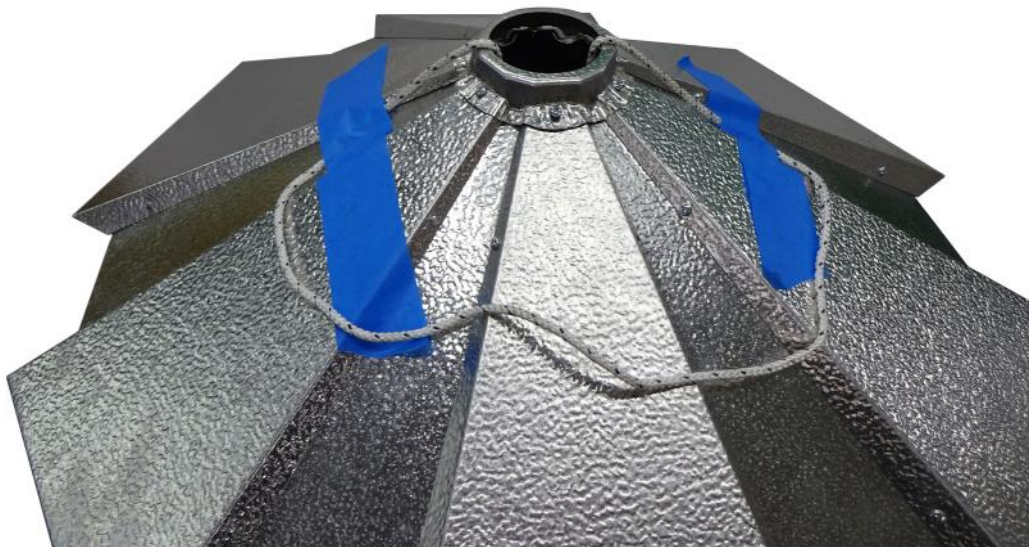
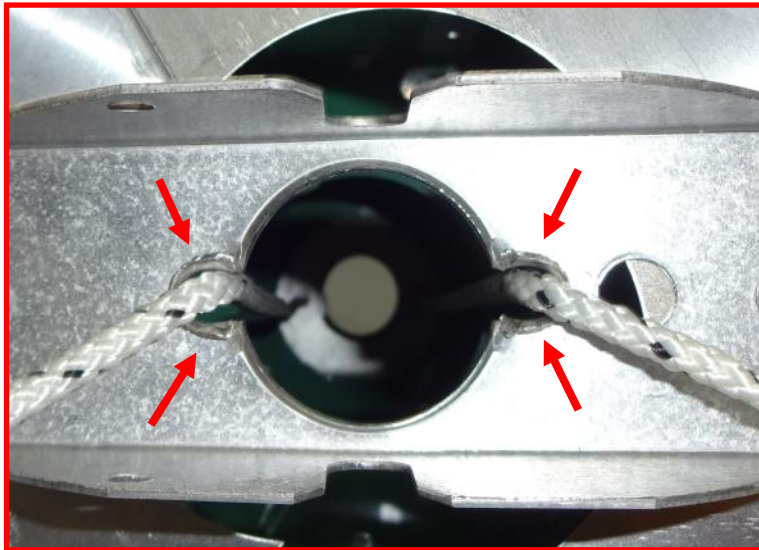
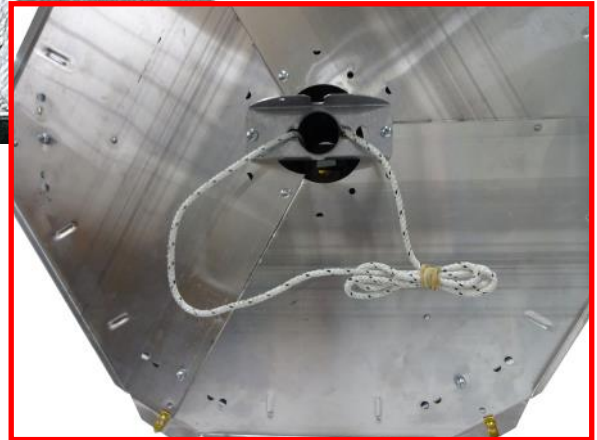
10. Once the rope has been pulled through the hole and the roof is resting on the ceiling - use the six screws found in Bag #900177 to secure the roof to the ceiling.



HOUSE ASSEMBLY INSTRUCTIONS • POSITIONING ROPE



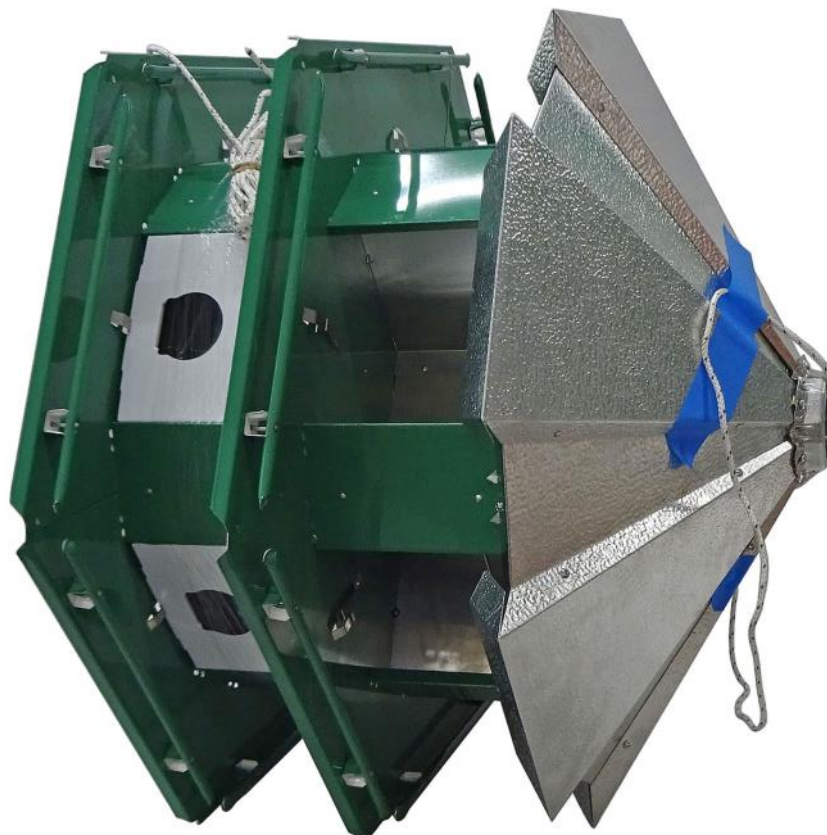
11. The orientation of the rope is important. Place rope so that it nests in the two slots on either side of the center bracket attached to the ceiling. Pull until taught. The rope must stay secure in these slots until the pole is inserted. Once the pole is inserted - the rope will remain in place. Use tape to keep rope in place while inserting the upper pole section.



HOUSE ASSEMBLY INSTRUCTIONS • INSERTING UPPER POLE



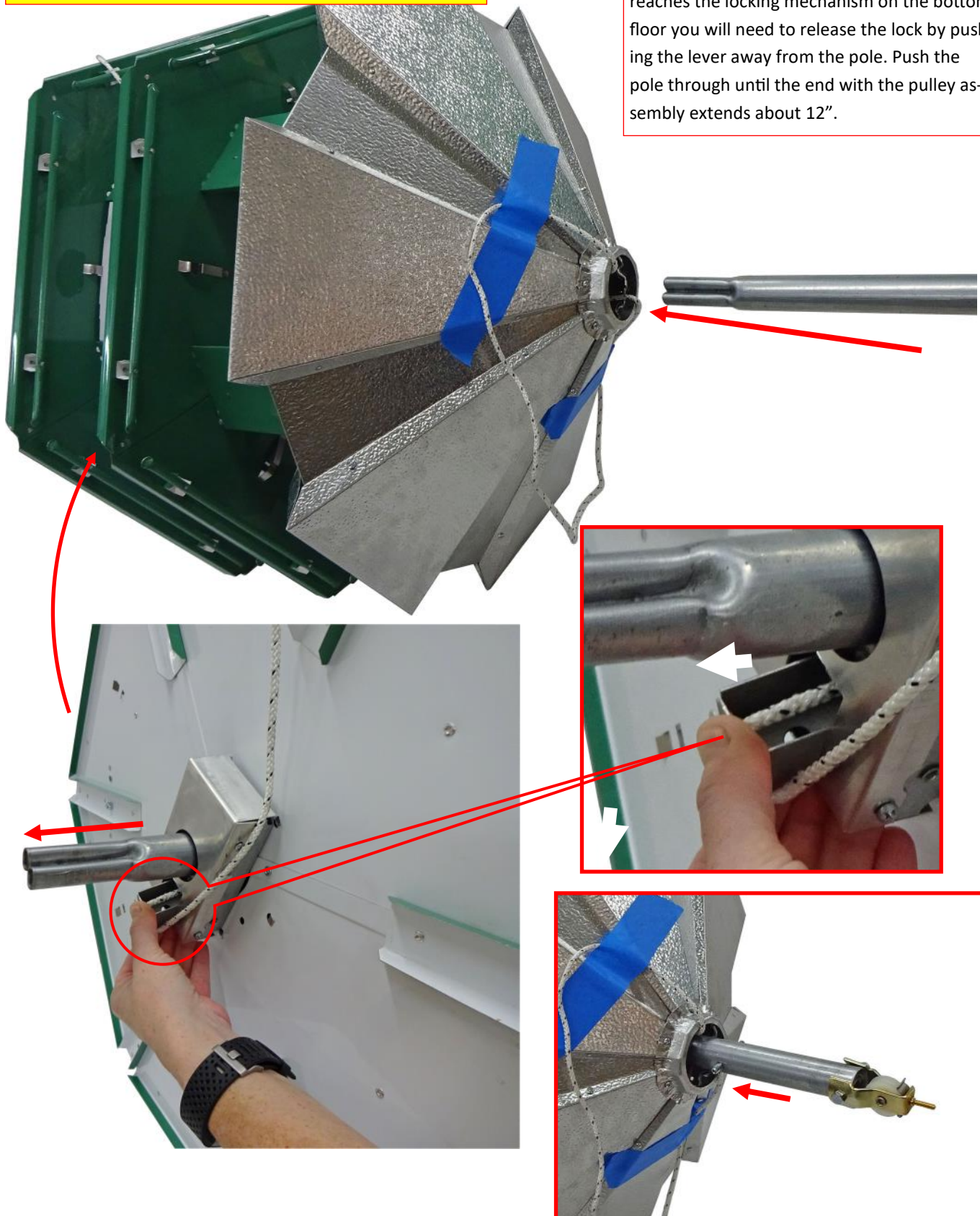
Turn house on its side



HOUSE ASSEMBLY INSTRUCTIONS • INSERTING UPPER POLE

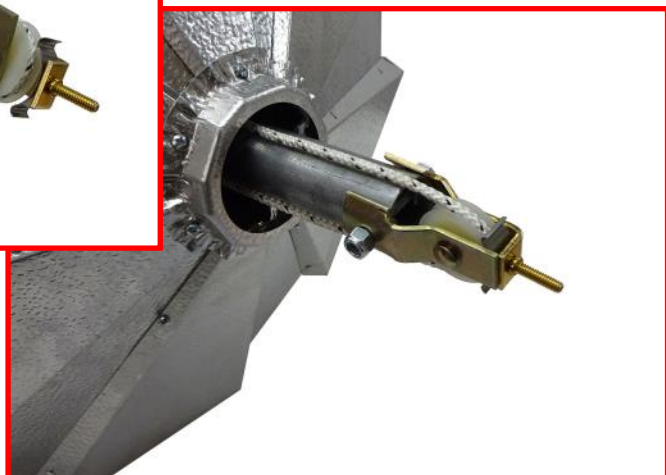
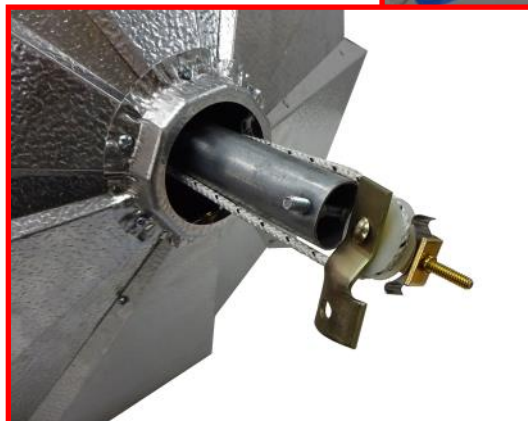
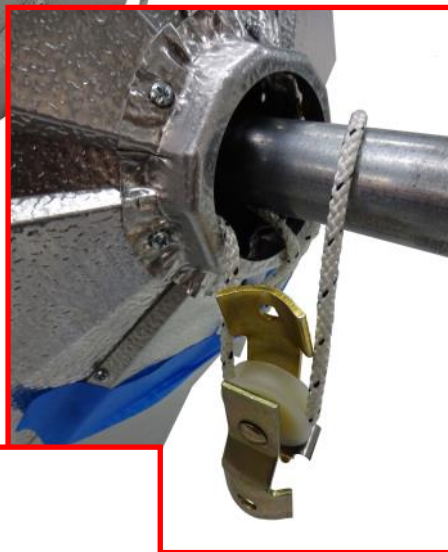
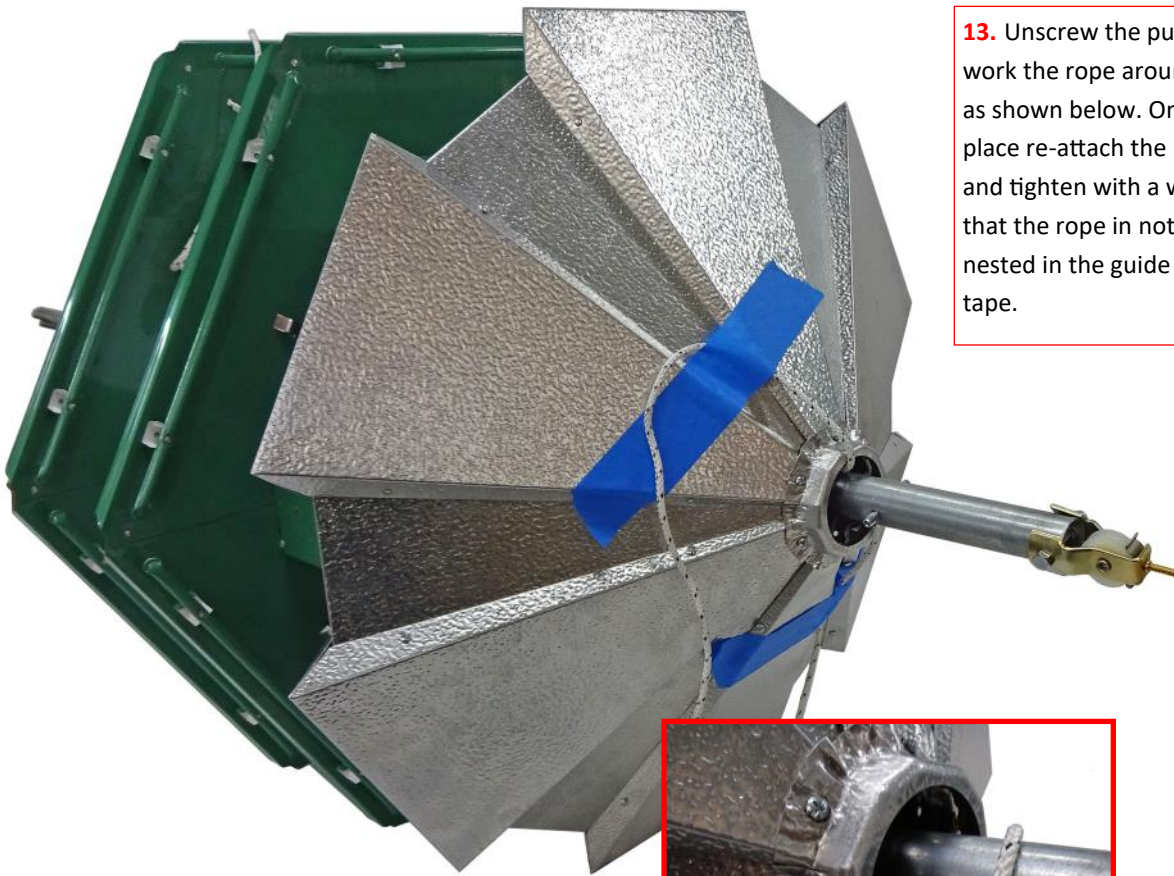
Before proceeding to Step #12 assemble the pole sections as outlined on PAGE 24

12. Insert the assembled upper pole section into the roof hole - as shown. When the pole reaches the locking mechanism on the bottom floor you will need to release the lock by pushing the lever away from the pole. Push the pole through until the end with the pulley assembly extends about 12".

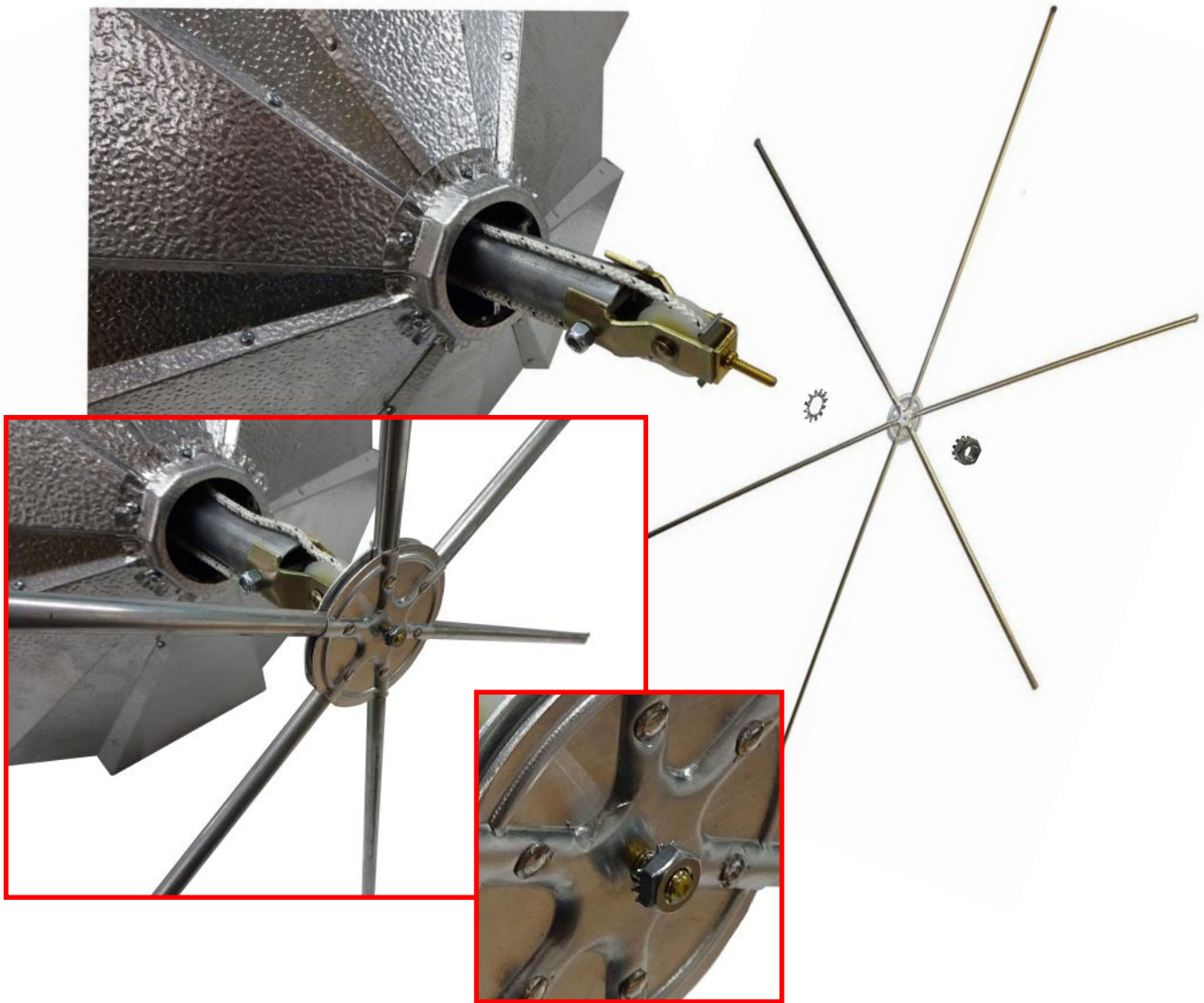


HOUSE ASSEMBLY INSTRUCTIONS • INSTALLING ROPE ON PULLEY

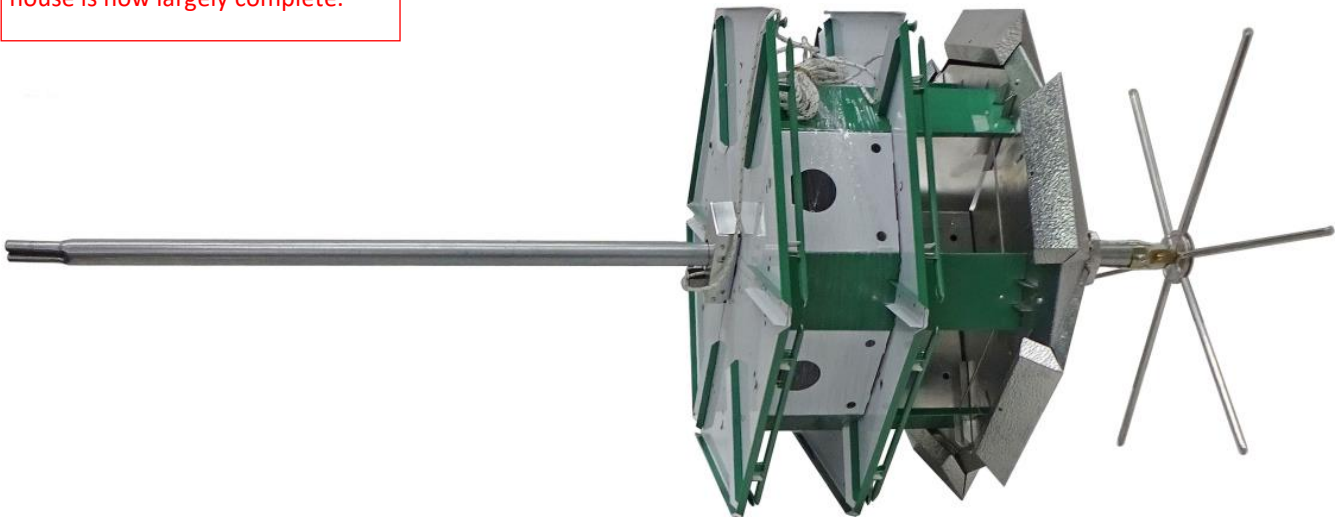
13. Unscrew the pulley assembly and work the rope around the pulley wheel as shown below. Once the rope is in place re-attach the pulley assembly and tighten with a wrench. Be sure that the rope is not crossed and still nested in the guide slots. Remove the tape.



HOUSE ASSEMBLY INSTRUCTIONS • INSTALLING STAR PERCH



14. Install the upper star perch as shown. Tighten the lock nut. **Your house is now largely complete.**



HOUSE ASSEMBLY INSTRUCTIONS • FINAL ASSEMBLY

Two People Required

Once the pole sections have been assembled and the ground socket is cemented in the ground (see page 26), the combined house with upper pole may be placed onto the center pole section. Allow the rope to hang freely. **Lower the house to approximately two feet from the bottom of the center pole section BEFORE LIFTING.** This will provide a low center of gravity and ease insertion into lower pole section.

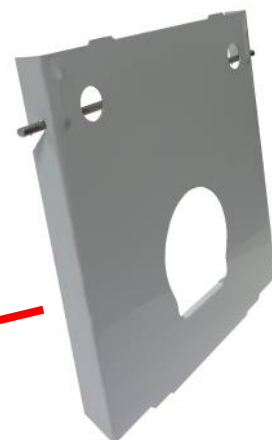


Follow the instructions on Page 22 when ready to connect center to lower pole section.



HOUSE ASSEMBLY INSTRUCTIONS • FINAL ASSEMBLY

When the house is finally mounted on the pole, lower it all the way to the clamp that connects the lower pole to the center pole. Install the sub-floors and insert the doors on the upper level. Hook the doors over the door rods. Do not force. They should hinge freely and snap into the floor clips.



Remove the stretch wrap around the lower floor. Open the doors and add a subfloor to each compartment.



POLE • VISUAL INSPECTION PAGE

Below are the contents of the pole box. Please place a checkmark ☒ in the box after identification and inspection.

Please review the next page for a closeup of each of the pole sections unique characteristics.

Note: Top Section is packed INSIDE Bottom Section in the box



IMAGES NOT TO SCALE

These images are intended to expedite the identification of each of the three pole sections and the ground sleeve. They are not to scale - but show the unique characteristics of each pole section.



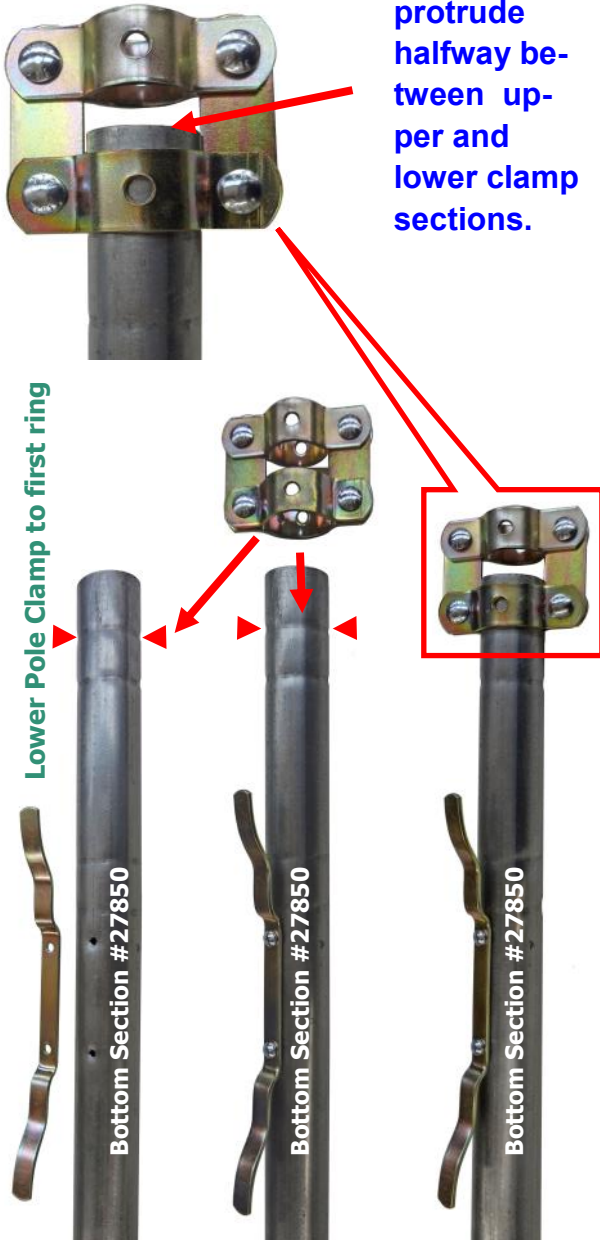
**Note: Top Section
is packed INSIDE
Bottom Section
in the box**

POLE ASSEMBLY INSTRUCTIONS • BOTTOM AND TOP POLE SECTIONS

Bottom Section Assembly Instructions

- 1) **First Attach Rope Cleat with the two screws found in the bag.**
- 2) **Lower Pre-assembled Pole Clamp until it aligns with the first ring on the pole. Tighten the lower portion until it's secure on the pole.**

Note: Top of pole will protrude halfway between upper and lower clamp sections.

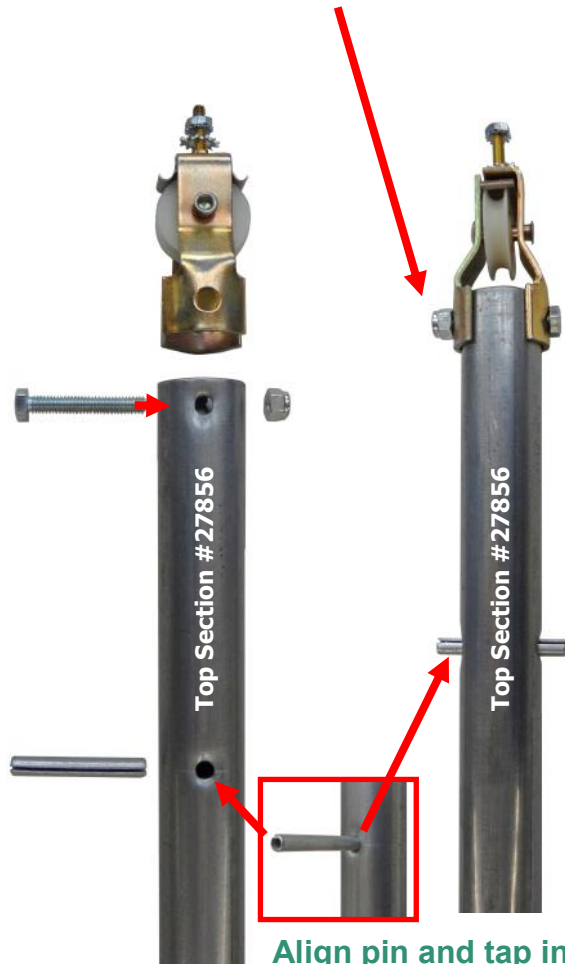


Top Section Assembly Instructions

- 1) Place the Pulley Assembly and tighten with the provided bolt and lock nut
- 2) Align Spring Pin with second hole and tap into place. Position the pin so both ends extend the same distance from either side.

Attach Pulley Assembly with bolt and locknut as shown below.

Note: Leave Pulley loose on pole as it will need to be removed later so that the rope can be threaded through.



Align pin and tap into place with a hammer until centered.

POLE CONNECTING INSTRUCTIONS • GROUND SLEEVE ASSEMBLY

Two People Required

Upper to Center Pole Connecting Instructions

Simply Lower this section aligning the grooves as shown.

Note: The Top pole will first be inserted into the house. Only after the house is assembled with the upper pole will it be connected as shown.



Two People Required

Center To Bottom Pole Connecting Instructions

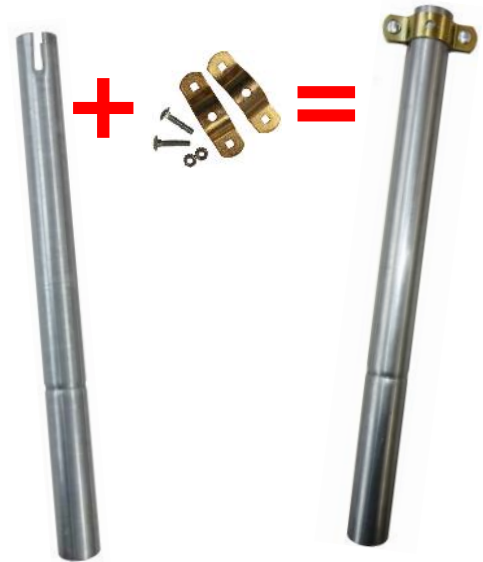
- 1) Simply Lower the non-swaged end into the Lower Pole until it comes to rest on the cleat screw.
- 2) Before tightening clamp, turn upper pole until the groove in the pulley wheel is in line with the rope cleat. Tighten the 4 nuts found on the clamp.

Note: Lower the TM12 House to about two feet from the bottom of the center section before attempting to insert into the lower pole.

Lower Center Section until it comes to rest on the upper cleat screw



Ground Sleeve Assembly Instructions



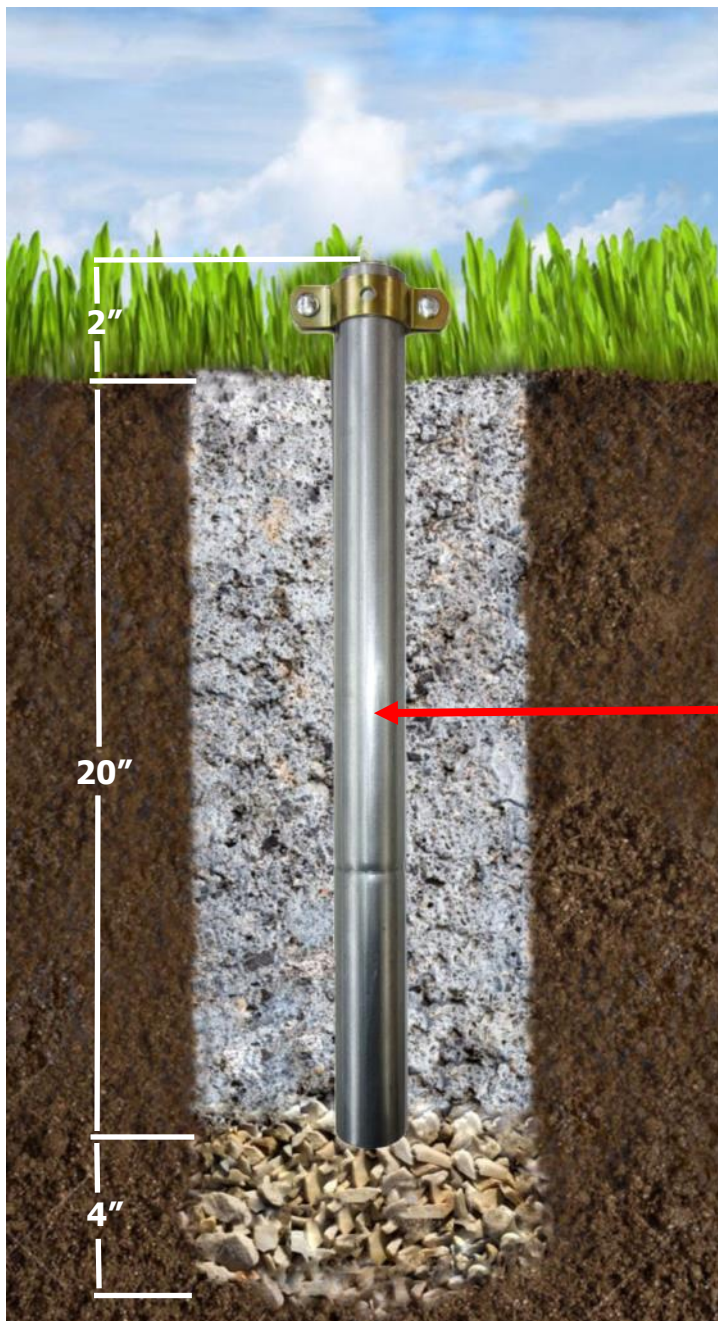
Important: Proper alignment of hardware is necessary for secure tightening pole to ground socket.



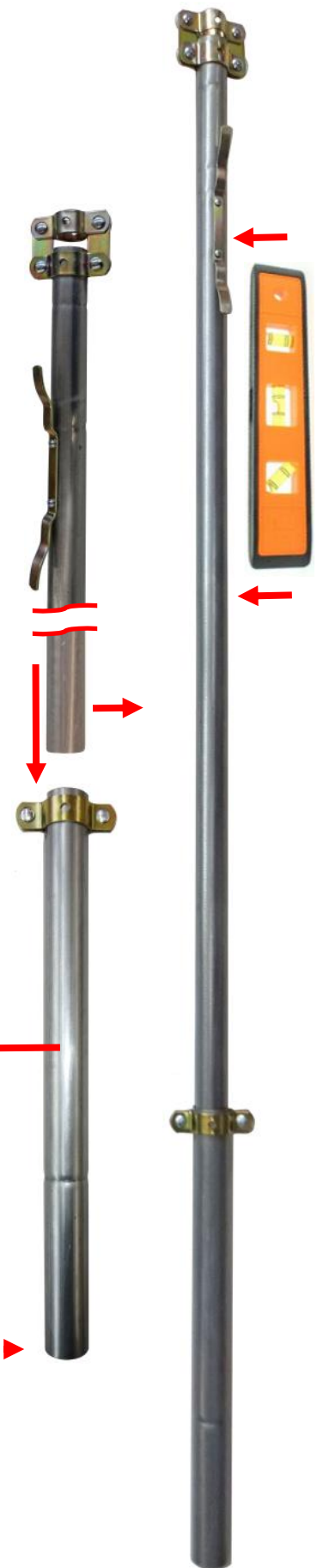
Align Slots in tube with clamp as shown above.

GROUND SLEEVE INSTALLATION INSTRUCTIONS

GROUND SOCKET INSTALLATION: The ground socket must be installed in concrete to insure secure placement of the pole. Dig a hole using a post hold digger - approximately 8" in diameter and 24" deep. Place four inches of gravel at the bottom. Attach the ground socket to the lower pole section and place in the hole. Fill with concrete. Use a water level to achieve straight positioning. Guy wires or rope should be used to hold the pole in position until the concrete sets up.



Important: To ease installation of ground sleeve insert the lower pole section into the ground sleeve and tighten the clamp. This will allow for use of a water level and insure that your pole stands straight.



OPERATING INSTRUCTIONS • RAISING AND LOWERING OF HOUSE

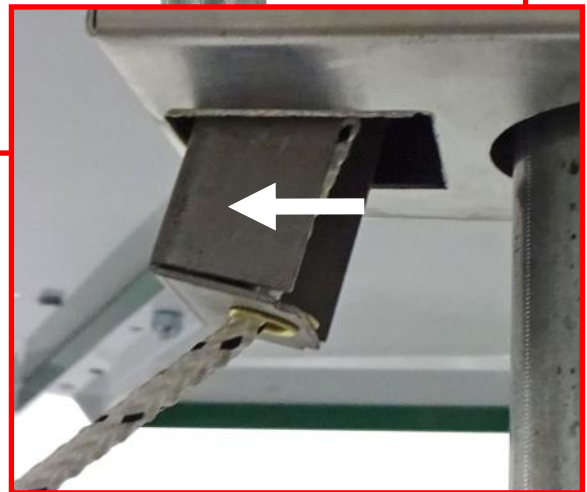


LANYARD LOCK OPERATION

The house lowering and raising device provides a positive means of locking your house anywhere on the pole. Pulling on the rope releases this lock and allows the house to be raised or lowered. Releasing the rope immediately locks the house on the pole. To lower the house - stand a few feet away from the base of the pole and pull. The lock lever must be pulled toward the edge of the house in order to release the lock. With the lever in this position, allow gravity to pull the house down by slowly allowing the rope to feed through the lever.

To stop the house at any point simply loosed pull on the rope and allow it to drop into position.

When raising the house, stand close to the base of the pole - pull rope straight down until the house is at the top of the pole. Once there it is automatically locked into place.



CHECK YOUR ROPE EACH SEASON

The rope should be checked yearly and replaced if worn. To replace rope (Part# 33000), lower the house and attach a new rope to the end of the old rope with tape or wire. Pull the new rope through with the old rope. Replacement ropes are available at www.erva.com

HOUSE ASSEMBLY INSTRUCTIONS • INSTALLING DOOR STOPS



DOOR STOP INSTALLATION

To install door stops, remove door, place it upside down on a flat surface and press door onto door stop. Then rehang the door.

Use door stops to close house during winter months.



ENLARGING COMPARTMENTS • OPTIONAL



All Nature House Brand houses offer optional enlargeable compartments. Simply remove the inner room divider plug. Use the plug to close off the adjacent compartment.

IMPORTANT NOTE ABOUT ENLARGING COMPARTMENTS:

Enlarged compartments create a dark cavity which is inviting to STARLINGS. If you choose this option and have starlings in your area, we recommend the use of crescent doors. Crescent doors are undesirable to starlings and help prevent starling predation. Crescent doors are sold separately and may be purchased from your favorite retail dealer or by visiting our website.

We also offer “Blank Doors” which may be used in the adjacent enlarged compartment.

To see these items and many more accessories for your TM12 please visit us at:



The back cover of this manual shows the TM12 with crescent and blank doors.

We recommend that you consult the Purple Martin Conservation Association for guidance when using enlarged compartments: www.purplemartin.org



TM12 with enlarged compartments.
Optional crescent and blank doors shown.



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**Nature House Brand products are manufactured by
Erva Tool & Mfg. Co., Inc.**

3100 W Grand Ave • Chicago, IL 60622-4324

e-mail: ervatool@sbcglobal.net

Web: www.erva.com

Phone: 1-800-342-3782