

galaxy

series



shademakerTM
architectural shade

owner's manual

WARRANTY:

Upon receipt of your Galaxy, please check to ensure you have received all of the Shademaker manufacturers all its shade styles from the finest aluminum alloys to ensure the strength, durability and integrity of each and every style. We pride ourselves as a totally vertical operation. This means that we manufacture and produce over 90% of the components used in our products from the raw state. We can monitor every stage of the manufacturing process and maintain a consistent level of quality.

Our only business and focus is shade and shade type products. Our goal is that each and every Shademaker style will exceed your expectations at a competitive price that will make you smile.

Our Limited Warranty is outlined below by individual styles. Please note, wind damage is not covered under any manufacturer's warranty

Our umbrellas are serviceable, meaning that parts can be ordered under warranty at no charge, if found that the damage is a manufacture defect and/or purchased out of warranty to make them whole again.

5 Year Limited Warranty includes the Sunbrella® Awning & Marine Grade Fabric Collection. Visit www.sunbrella.com/warranty for more details. Labor charges are not covered under this limited warranty.

10 Year Limited Warranty includes the Galaxy, Orion and Astral styles. This includes the mast, arms, ribs, center pole, top and bottom hubs and stainless steel hardware only. If there is damage under the warranty, Shademaker will replace and/or repair any item listed in this category at its discretion. The 5 Year Limited Warranty applies to Sunbrella Firesist®, Sunbrella Firesist® PLUS and Sunbrella® Furniture Grade fabrics. Visit www.sunbrella.com/warranty for more details.

5 Year Limited Warranty also applies to O'bravia™ Awning Grade fabrics. Visit www.obravia.com for more details. Labor charges are not covered under this limited warranty.

4 Year Limited Warranty includes the O'bravia™ Furniture Grade fabrics. Visit www.obravia.com for more details. Labor charges are not covered under this limited warranty.

1 Year Limited Warranty covers the powder coat finish on our steel bases. If the powder coat finish flakes, bubbles, peels or loses color; Shademaker will re-finish or replace the defective bases at its discretion. Normal wear and tear is not covered under this limited warranty.

Exclusions: Wind damage, acts of nature (such as, but not limited to, freezing or any type of extreme weather.) Failures caused by abusive use and normal wear and tear are not covered under this warranty.

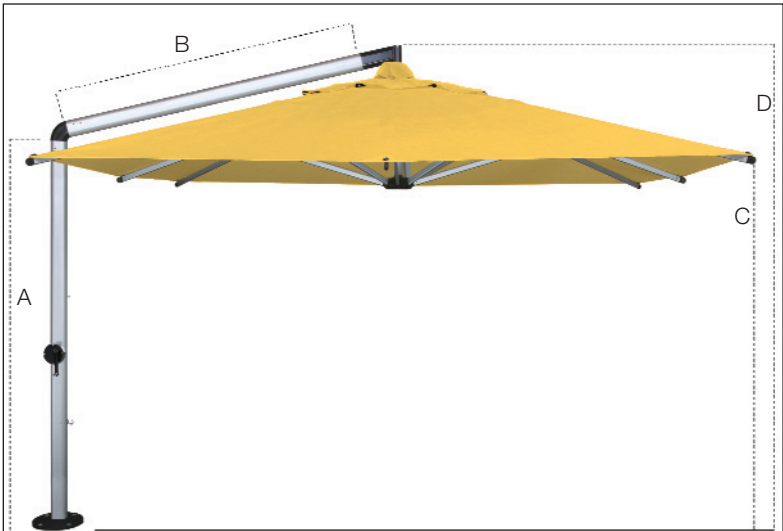
Those filing warranty claims will be responsible for all shipping, handling and freight charges on all claims to Shademaker in Baldwin Park, CA. All warranty claims must be submitted with the original proof of purchase, date of purchase, name of dealer and the description of the damage. An authorized Shademaker RA# must be listed on all products being returned. The Shademaker warranty is not transferable. Shademaker reserves the right to repair, replace and/or redesign any product that is returned under a warranty claim.

IMPORTANT:
Please read this entire manual before installing or operating your Galaxy umbrella.

GALAXY WIND RESISTANCE GUIDELINES:
Moderate to Strong Winds

When installed properly, the Galaxy is engineered to handle moderate to strong wind conditions in the open canopy position. Please adhere to these common sense wind guidelines:

1. As winds get stronger or as gusts increase, the canopy should be lowered to the folded and strapped position.
2. If unattended for an extended period of time, the Galaxy should be left in the folded and strapped position.
3. In anticipation of, and during extremely severe weather conditions, such as tropical force winds and hurricanes, it is advisable to remove and store the entire Galaxy structure to protect it from storm-related debris.



Sizes and Shapes

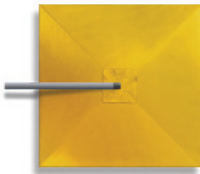
GALAXY Shape	3.2 Square	3.6 Square	3.9 Square	4.0 Octagon	5.0 Octagon
A	7'11"	7'11"	7'11"	7'11"	7'11"
B	5'11"	6'7"	7'3"	6'7"	8'3"
C	7'6"	7'9"	7'7"	7'9"	8'1"
D	10'2"	10'3"	10'6"	10'3"	10'3"

Weight: Approximately 250 lbs.
Mast Shape & Diameter: 3 1/4" x 4 3/4" oval
Wall Thickness of Mast: 1/4"; Arm Wall Thickness: 1/8"

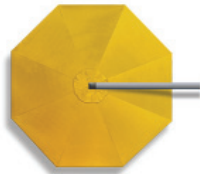
THE GALAXY SHADEMAKER SIDEPOST DESIGN

This striking and robust sidepost brings a whole new meaning to the concept of a colossal umbrella. The combination of superior design, strength, lasting beauty, large sizes and low maintenance makes the Galaxy the ultimate shade solution.

Two Shapes



Square



Octagon

Six Sizes

Galaxy 3.2	10'5"	Square
Galaxy 3.6	11'9"	Square
Galaxy 3.9	13'1"	Square
Galaxy 4.0	13'1"	Octagon
Galaxy 5.0	16'5"	Octagon

Applications: Our largest sidepost, the Galaxy series combines strength with classic design and functionality.

Features & Functionality: Rotates 360° around the mast, unique, fool-proof rotational locking mechanism, state-of-the-art external winding mechanism makes it easy to raise and lower, vented canopy. Canopy fabric is fade, rot and mold resistant; water, oil, and dirt repellent, lightweight, one piece design for seasonal storage and multiple location setup.

Materials & Components: Yacht grade, UV resistant 20 micron anodized aluminum mast, arms, and struts; extremely thick sidewalls; marine grade stainless steel hardware; highest grade polyester winder cordage; glass filled black resin moldings and components; gold passivated and powder coated steel spigot and base plate.

Wind Resistance: Handles light to moderate winds, position canopy in horizontal positions; lower canopy as winds increase and when unattended.

Installation Options

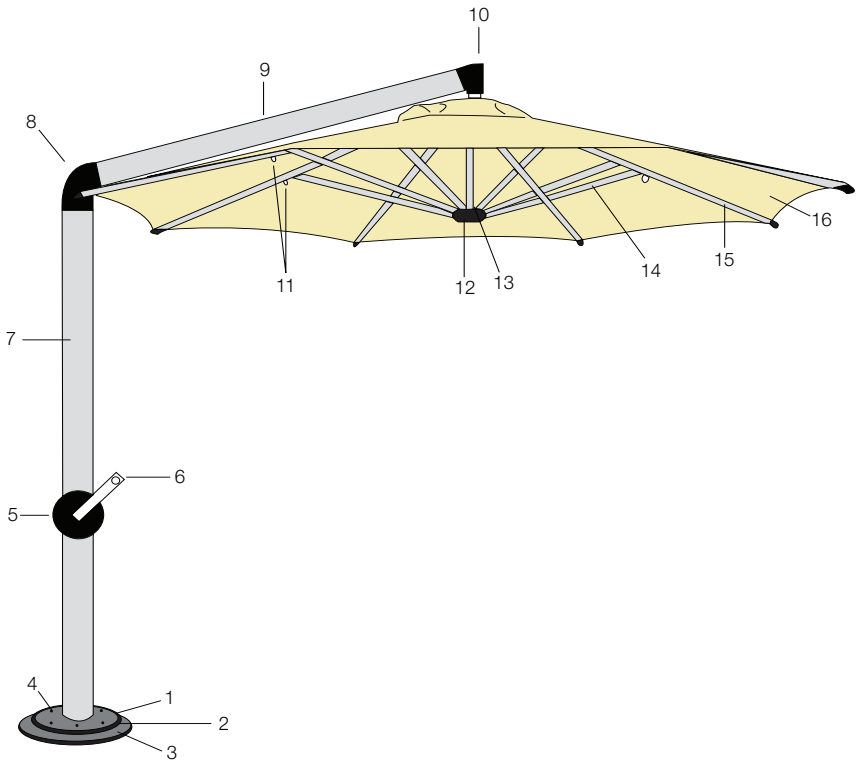
- Bolt to base plate (plate bolted to concrete patio)
- Install in ground or build into concrete with in-ground fitting

ABOUT THE GALAXY

This high quality shade solution combines functionality and design in an elegant way and will provide you with years of enjoyment and satisfaction.

- 1. MARINE GRADE ANODIZED ALUMINUM:** Proprietary extrusions of high tensile alloy ensure long life in exposed conditions.
- 2. GLASS FILLED COMPONENTS:** Proprietary moldings are of the latest development for strength and resistance to UV degradation.
- 3. 100% SOLUTION DYED CANVAS:** Top quality canvas leads the world in color-fastness and quality retention properties. Canopies are fade, rot and mold resistant.
- 4. MARINE GRADE STAINLESS STEEL:** The Galaxy is equipped with the latest in marine grade stainless steel hardware.

DIAGRAM & LEGEND



- | | |
|---|--------------------|
| 1. Upper Internal Stem | 9. Boom |
| 2. Acetal Ring (between Internal Stems) | 10. Head Fitting |
| 3. Lower Internal Stem | 11. Spacer Buttons |
| 4. Locator Screws | 12. Hub |
| 5. Winder | 13. Safety Pin |
| 6. Handle | 14. Strut |
| 7. Mast | 15. Arm |
| 8. Elbow | 16. Canopy |

ASSEMBLY AND INSTALLATION

The Galaxy is an extra large and extra strong sidepost structure. To ensure longevity, it needs to be assembled and installed professionally. Because the Galaxy is designed to handle strong winds, we recommend either anchoring the Galaxy to an existing substantial concrete slab or installing it in a newly poured concrete pier using our in-ground fitting. We suggest you NOT use the Galaxy on a timber deck (unless attached to an in-ground fitting below the deck), nor as a portable base option. Because the Galaxy is very heavy (weighing approximately 250 lbs.), it is not intended to be removed except in preparation for extremely severe weather conditions.

INSTALLATION FITTINGS

INTERNAL STEM - The Internal Stem is included. The mast fits directly onto the internal stem as a sleeve.

BASE PLATE - To allow for removal of the Galaxy, we recommend using the base plate. The 12mm thick, 400mm diameter base plate is bolted to the concrete using 014x150mm Excalibur bolts (not included). The Internal Stem is then bolted to the plate using the stem bolts provided. This galvanized steel plate will not rust and is powder coated charcoal grey to match the internal stem.

IN-GROUND FITTING - A specially designed Galaxy in-ground fitting can be installed into a newly built concrete patio or in-ground. Made of galvanized steel, this fitting is extremely strong and will not rust.

GALAXY INSTALLATION OPTIONS

1. BASE PLATE AND INTERNAL STEM: If bolting to an existing concrete pad, it is important to allow for the possible need to remove and store the Galaxy. To accomplish this, first bolt the specially designed Galaxy base plate to a concrete slab using the 10x100 Excalibur bolts (not included). Then bolt the internal stem to the base plate with the six (6) stainless steel stem bolts provided. To remove the Galaxy for storage, undo the six (6) stem bolts allowing you to remove the internal stem from the plate, leaving an unobtrusive plate on patio. Please see page 8 for important instructions regarding the proper alignment of the base plate and internal stem. Alternatively you can bolt the internal stem to concrete but this makes removal more difficult at a later stage.

2. IN-GROUND FITTING AND INTERNAL STEM: To install into newly poured concrete or in ground, the specially made Galaxy in-ground fitting will be used. Follow the In-Ground Fitting Diagram found on page 9 of this owner's manual. After concreting this fitting and then allowing it to cure for at least two weeks (or the cure time required for your location/climate), fix the internal stem to the plate of the fitting with the six (6) stem bolts provided. Please see page 9 for important instructions regarding the proper alignment of the in-ground fitting internal stem.

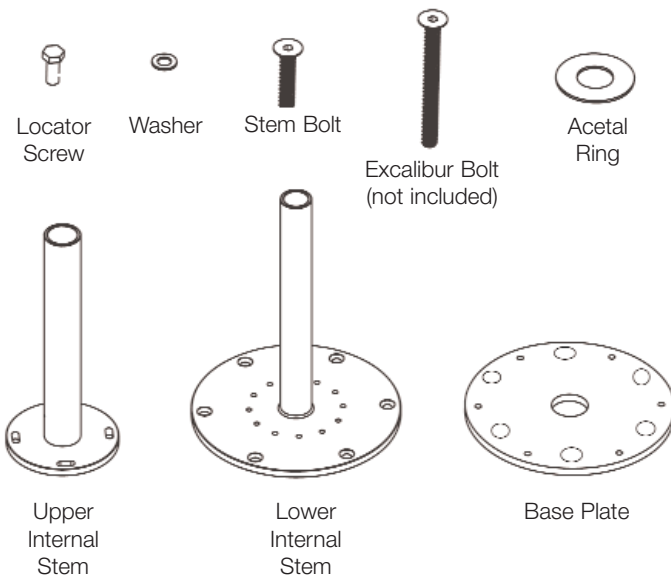
STEP 1: INSTALLING THE GALAXY INSTALLATION FITTING

VERY IMPORTANT: To achieve the exact desired position of the Galaxy canopy (when in the open position or a perfectly symmetrical multiple Galaxy installation, it is imperative that the installation fitting be aligned correctly. Please follow the detailed instructions below.

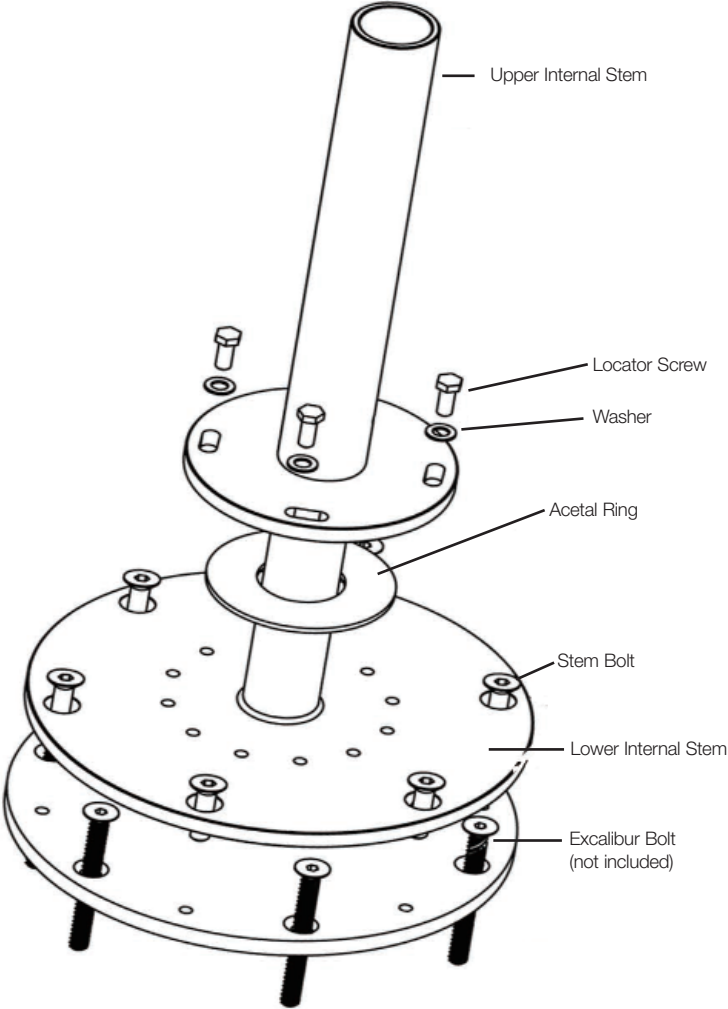
CONCRETE MOUNT KIT: The Concrete Mount Kit has twelve (12) holes, six (6) are countersunk for bolting to the concrete patio, and the other four (4) are tapped to accept the stem bolts.

1. Bolt base plate to concrete using six (6) 014x150mm Excalibur bolts (not included), making sure two TAPPED HOLES are lined up in the direction of the desired primary mast and boom position. The countersunk holes are used for bolting to the concrete but should not be used for alignment. You must align two TAPPED HOLES to achieve the desired position.
2. Attach internal stem to base plate using six (6) stem bolts. Once attached, two COUNTERSUNK HOLES on the internal stem will line up in the direction of the primary mast and boom position. If base plate is not set using tapped holes for alignment, the internal stem will not line up properly. See diagram below, for a more detailed view see page 7.

CONCRETE MOUNT KIT:



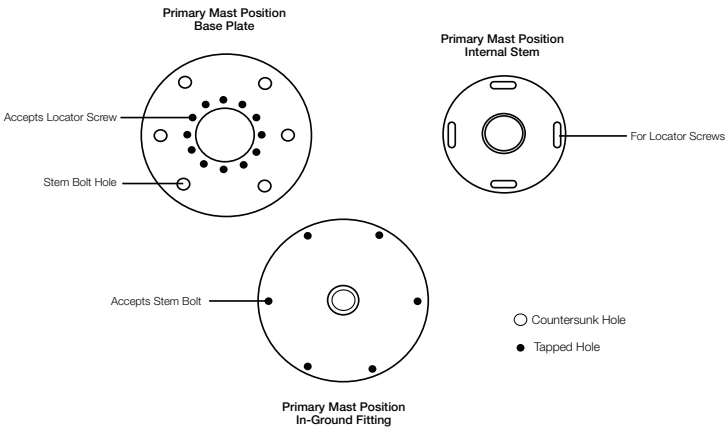
CONCRETE MOUNT KIT DIAGRAM



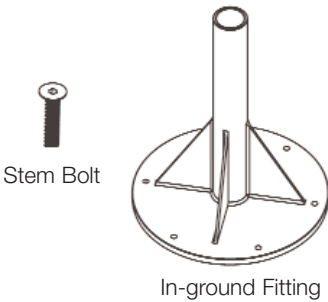
IN-GROUND FITTING: The Galaxy in-ground fitting has six (6) tapped holes to accept six (6) stem bolts.

1. Concrete fitting into newly poured concrete or into the ground using the diagram and instructions found on page 9. Make sure two TAPPED HOLES are lined up in the direction of the desired primary mast and boom position. You must align two TAPPED HOLES to achieve the desired position.
2. Take care to ensure that the in-ground fitting is perfectly level.
3. Attach the internal stem to in-ground fitting using the six (6) stem bolts. Once attached, two COUNTERSUNK HOLES on the internal stem will line up in the direction of the primary mast and boom position. If in-ground fitting is not set using tapped holes for alignment, the internal stem will not line up properly. See diagram below, for a more detailed view see page 9.

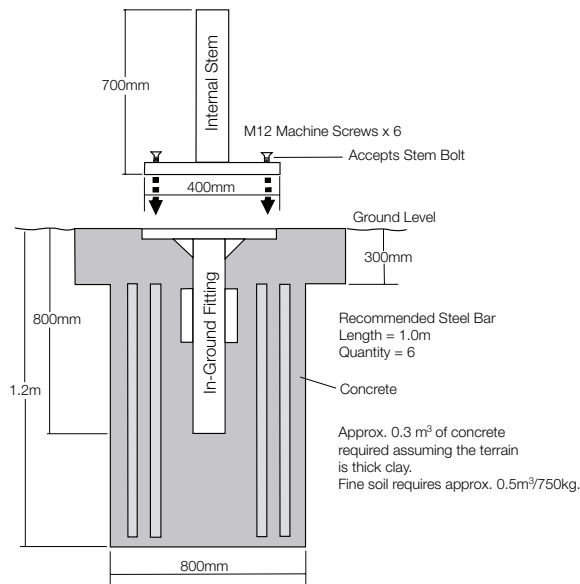
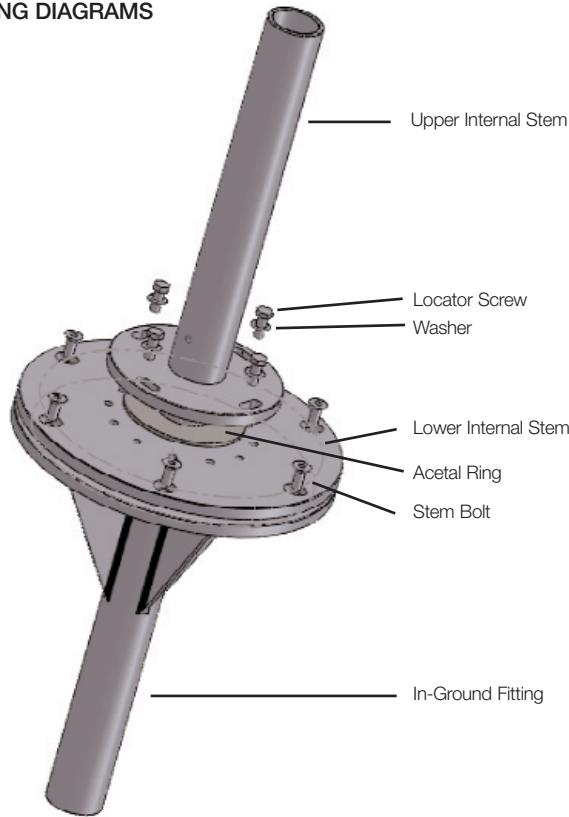
INTERNAL STEM: The internal stem gets bolted to the top of the in-ground fitting or to the base plate. It has six (6) countersunk holes for the stem bolts. See diagram below, for a more detailed view see page 9.



IN-GROUND FITTING KIT



IN-GROUND FITTING DIAGRAMS

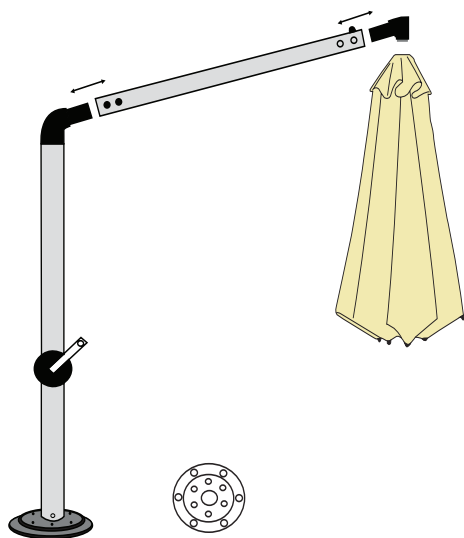


STEP 2: INSTALLING THE GALAXY

1. Unpack Galaxy and lay out on ground as in drawing on page 11, ensuring crank box is face up.
2. Ensure small screw in top of boom will be uppermost when the Galaxy is standing.
CAUTION: Never undo this screw.
3. Draw together gaps by gently winding crank handle in clockwise direction and carefully manipulating the boom, elbow and head fitting, so they slide together.
4. Fasten together the boom, elbow and head fitting using the eight M1-x20mm button head with lockwashers long 10mm barrel couplers and 8mm counter sunk screws.
5. NOTE: (a) An easy way to assemble barrel couplers is to fit countersunk screws in one side. Then insert a long Phillips or Posi-drive screwdriver through hole. Place barrel coupler over exposed end of screwdriver and push coupler back through hole while guiding it with screwdriver. (b) Check that two M8x12 screws are not protruding so far through rotating flange that they might damage internal stem when Galaxy is first placed on internal stem. These screws, if extended too far inside rotating flange, can make it difficult for the Galaxy to start sliding down internal stem. If needed, you can loosen with an Allen key and tighten later.
6. Grease internal stem and inside bore of Galaxy mast.
7. Cut off some bubble wrap from head fitting near top canopy to make it easier to remove plastic once Galaxy is installed. Leave remainder of canopy covered to protect it during installation.
8. You'll need four people to help lift Galaxy structure. Ensure everyone is working with clean hands.
9. **IMPORTANT:** Before placing Galaxy mast over internal stem, ensure acetal ring is seated on internal stem. Have two people at mast and two at canopy end to stand up Galaxy structure. The Galaxy requires some attention to balance at this point. The people at canopy end will find lifting easiest if they lift by cupping their hands under/around end of the plastic arm plugs.
10. In unison, lift Galaxy evenly, keeping mast vertical, and place rotating flange over greased internal stem. If mast does not start to slide down, two screws may need to be loosened (re-tighten later). The mast is a tight fit on the spigot and must be worked down. To work mast down, people at the canopy end walk side to side and gently rock canopy up and down while being careful to keep mast vertically aligned with internal stem. Someone standing on the rotating flange while people work canopy end can help stubborn masts to seat properly.

IMPORTANT: Next Insert the Spacer Buttons

It is of vital importance that you install the eight spacer buttons before operating your Galaxy. If you fail to do so, and continue to wind up the Galaxy, damage to the internal mechanism may occur. The spacer buttons ensure that the Galaxy opens easily and that the arms do not get locked down. The manufacturer accepts no liability whatsoever for any resulting damage due to non-installation of spacer buttons.



STEP 3: INSERTING SPACER BUTTONS

1. On the first opening, it is also imperative to first free the arms (pull button of arms outward) before you attempt to open the canopy by turning the crank handle. Once the arms are freed past a certain point, the crank should easily open the canopy the rest of the way. **CAUTION: If you experience any resistance, do not continue to use the crank handle as it could break an internal pulley. Any resistance probably means one or more of the arms still needs to be freed (pull button of arms outward).**
2. Next open canopy about a third of the way (by turning the crank handle in the CLOCKWISE direction) to remove packing material from around arms. Then open canopy a little further and fit the eight spacer buttons.

It is very important that the eight spacer buttons are always in place. If at any point you find you are missing spacer buttons, contact Shademaker immediately to request more. Continue to manually free the arms when opening until all eight spacer buttons are again installed.
3. Continue to wind the canopy open and take care as canopy tube guide enters the fixed housing so that parts do not jam. The guide is fitted to avoid binding in most instances.
4. Continue winding the handle until perimeter of canopy is taut.

STEP 4: OPERATION

To open the Galaxy canopy:

1. To open canopy after the eight (8) spacer buttons are inserted, turn crank handle in clockwise direction. CAUTION: Ensure arms begin opening as you start to wind. If you experience any level of resistance, make sure all eight arms are free and responding to crank handle. Never continue to crank the crank handle if the resistance continues. Once canopy is open, check to make sure all spacer buttons are inserted. If any are missing, replace with new spacer buttons.
2. Take care as canopy tube guide enters the fixed housing so that parts do not jam. The guide is fitted to avoid binding in most instances.
3. Wind the handle until perimeter of canopy is taut.

To close the Galaxy canopy:

1. Turn crank handle in COUNTER-CLOCKWISE direction. Secure canopy with strap provided to prevent excessive rubbing in the wind.

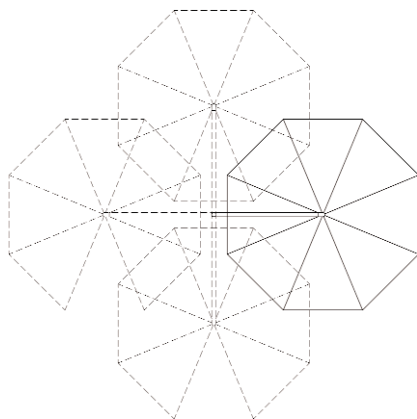


Closed position

Horizontal position

To rotate the Galaxy canopy

Remove locator screws from upper internal stem at base of mast. Rotate mast to desired position and secure screws into new locator hole.



TO PROPERLY FOLD THE GALAXY CANOPY

The 100% solution dyed acrylic canopy will last longer if you fold it as it was packed and shipped. This technique is similar to the way a parachute is folded and is especially important when folding the Galaxy canopy for seasonal storage or when the Galaxy is to be left in the closed position for an extended period of time.

Using this technique at all times will significantly extend the life of the canopy.

1. When the canopy has been fully lowered, stand in front of the canopy structure and begin the folding process by pulling out two panels opposite the mast. Pull the two panels together and roll tight into the canopy.
2. Once rolled tight, pull adjacent panels out one at a time and fold to the center, alternating sides until all the panels have been pulled out from the arms and folded into the center.
3. Strap the canopy to the mast with the strap.

MAINTAINING THE GALAXY FRAME & FITTINGS

1. Hose mast and frame with water periodically, more often if installation is in a salty or industrial environment.
2. Inspect the installation fitting on a regular basis and tighten if necessary.

MAINTAINING THE GALAXY CANOPY FABRIC

1. Clean up spills and stains right away. Spills can be removed by using a clean, absorbent cloth.
2. For general maintenance, use a soft brush to remove dust and dry soil or wash down with clean, warm water (i.e. garden hose) every so often so dirt does not become engrained. Allow the fabric to dry naturally before closing the canopy.
3. If a thorough cleaning is necessary, sponge over the fabric using a mild soap solution (2% solution). Rinse well with plenty of water to remove all soap residue.
4. Never use detergents, cleaning fluids, or solvents. Grease and oil stains may be removed by using turpentine or similar with an absorbent cloth.
5. We recommend giving the canopy a good clean on a more frequent basis if installed in a location where the canopy is likely to become soiled.

REMOVAL & REPLACEMENT OF THE GALAXY CANOPY

Follow these instructions should you choose to replace your canopy with a new canopy.

1. Lower the canopy to the closed position.
2. Remove canopy structure from the boom. Disconnect sister clips.
3. Unsnap the canopy vent cap.
4. Drill out the canopy strap rivets or take out the canopy screws from webbing at top of arms. (Depending on your model, your Orion will have rivets or screws, not both.)
5. Remove the button/screw at the end of each arm.
6. Remove canopy from structure.
6. To replace the canopy, reverse the above process.

OTHER SHADEMAKER STYLES AVAILABLE

Side Posts



Orion



Sirius

Center Posts

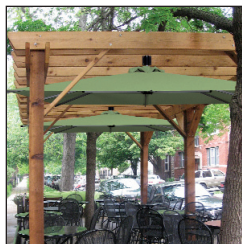


Astral



Corona

Top Mount



Nova

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