



UMBRELLA INSTRUCTIONS

SAFE UMBRELLA INSTALLATION INSTRUCTIONS:

Keystone Ridge Designs patented umbrellas are specifically designed to address the unpredictable weather conditions (heat, humidity, rain, storms), ease of use, comfort and show quality standards of our major theme park, water park and resort clients demand. This superior performance, safety and durability has been documented by over 30 years of use in harsh conditions and extensive wind tunnel testing.

These Safe Installation, Maintenance and Storage instructions and checklists are provided to help our clients maximize safety and protect their investment so it lasts for years.

OPENING THE UMBRELLA:

Step 1. Remove all packaging from umbrella, including inside the umbrella.

Step 2. Insert & secure umbrella into appropriate base.

Step 3. Insert base security pin.

NOTE: THIS IS A VITAL STEP TO ENSURE THE UMBRELLA DOES NOT GET BLOWN OUT OF THE BASE IN WIND GUSTS.

Step 4. Untie the closure cord and gently separate each rib approximately 6 inches from center pole. If rib does not move freely, DO NOT FORCE. Inspect the inside of the umbrella for additional packaging or other obstructions that may be preventing the ribs from moving up the center pole.

Step 5. Reach under the canopy and gently slide the main hub up the center pole to spread the canopy to the open position until the hub is slightly above the bottom pin hole of the pole.

Step 6. While holding the hub above the bottom pin hole, inset the pin that is attached to the chain through the hole to secure the canopy in the open position.

CLOSING THE UMBRELLA:

To protect users and the umbrella caution and common sense should be applied in extreme wind and weather conditions. Stability and structural integrity of all umbrellas in heavy wind, microburst, and severe weather conditions is directly related to the size, weight and security of the umbrella pole into the base. Use reasonable and cautious judgment when determining when the umbrella should be closed or removed from service. During high wind conditions up to 25 mph, it is recommended that the umbrella be closed to reduce the risk of damage. If winds exceed 25 mph it is recommend to close and secure the canopy, removing the umbrella from the area and storing it properly.

Step 1. Push up slightly on the main hub to take the canopy weight off the pin.

Step 2. While holding the hub, remove the pin and slowly lower the hub, stepping from under the canopy as the hub lowers.

NOTE: DROPPING OR LETTING GO OF THE HUB CAN CAUSE THE HUB TO SLIDE DOWN RAPIDLY CAUSING THE CANOPY RIBS TO HIT ANYONE STANDING UNDER THE UMBRELLA.

Step 3. With the canopy in the collapsed position, tie the cord securely around the canopy to prevent the canopy from opening in a wind gust or when removing from the base.

Step 4. Remove the base security pin.

Step 5. Lift the umbrella out of the base being.

NOTE: THE UMBRELLA IS HEAVIER ON TOP AND CAN FALL IF THE OPERATOR IS NOT PREPARED FOR THE WEIGHT. THIS CAN BE A HAZARD OR CAUSE DAMAGE TO THE FINIAL, TOP HUB, RIBS OR COVER.

Step 6. Lay the umbrella on a clean, flat surface.

DO NOT STACK ITEMS ON TOP OF UMBRELLAS AS OBJECTS CAN DAMAGE THE CANOPY, RIBS OR POLE.



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UMBRELLA MAINTENANCE INSTRUCTIONS:

All Keystone Ridge Designs umbrellas are designed to be 100% repairable to lower cost and keep the umbrella in service longer. Umbrella frames are constructed from durable, weather resistant materials including: hardwood, fiberglass, and sustainable hardwood. All fasteners (nuts, bolts, etc.) are marine-grade stainless steel or brass designed to withstand the harshest environments. Proper care and maintenance of these made to last materials will extend the use and guest enjoyment of the umbrella.

WEEKLY INSPECTION CHECKLIST

- Inspect each umbrella.
 - Finial looking for cracks, wood rot or damaged.
 - Canopy looking for rips, tears or pin holes in seams, vents, and rib pockets.
 - Center pole looking for cracking, rotting, bends.
 - Hub looking for cracking, wood rot, damage or lose wiring.
 - Ribs looking for loose nuts and bolts that require tightening or broken or cracked ribs that need to be replace.
 - Pin & Chain is secure and in working condition.
 - Base security pin is in and secure with no rust or damage. Base is secure and free from rust or damage.
- Examine the Base / Center Pole Security Pin System. Ensure the umbrella is secured in the base with the pin or cam lock and the umbrella will not blow out of the base in a wind gust.
- Tighten any Nuts / Bolts or Screws.
- Replaced All Broken Components immediately to avoid further damage to the umbrella.
 - NOTE: See Parts list at the end of the documents and call the Keystone Ridge Designs Service Center to order parts or have your umbrella repaired.
- Brush or Blow Away Dirt or Dust between rinses, use a soft brush or a blower to remove loose dirt and dirt from the canopy and the frame system.
- Clean the base weekly to remove debris, leaves or soil with a soap-water mixture and a non-abrasive sponge or soft cloth to maintain show ready appearance.
- Regularly rinse the umbrella from the top of the canopy to the base, to wash away dust and debris using a mixture of mild not detergents soap and water under 100 degrees Fahrenheit.
 - Allow the soap to soak for 5 minutes.
 - Rinse with clear water.
 - Air dry naturally.

CANOPY CLEANING & STAIN REMOVAL If your canopy is dirty or has a stain from an unknown source you can spot clean it:

- Prepare a solution of 1 gallon of lukewarm water, 1 cup of hydrogen peroxide and a few tablespoons of mild liquid soap.
- For stubborn stains, add one cup of bleach to a gallon of water.
- Using a soft-bristle brush dipped the solution, scrub the fabric.
- Rinse with clear water.
- Allow canopy to air dry.

NOTE: This method of cleaning may remove part of the water repellency. If water repellency is a factor, the fabric should receive an application of an air-curing water repellent treatment.

Sunbrella® fabrics may be machine washed but a water repellent treatment must be applied to the fabric after washing to reestablish water repellency. Sunbrella® is made from 100% acrylic fiber and is thermoplastic or heat sensitive. When washing or cleaning, DO NOT SUBJECT TO EXCESSIVE HEAT as the fabric will shrink. DO NOT STEAM PRESS OR DRY IN ELECTRIC OR GAS DRYERS but allow air to dry.

STORAGE

When the umbrella is taken out of service and is being stored for an extended period follow this procedure:

- Thoroughly wash the canopy with a lukewarm water and mild soap solution.
- Allow the canopy to fully dry in the open position.
- Collapse the canopy.
- Insert umbrellas into a protective cover. To ensure the longest serviceable life, an Keystone Ridge Designs Protective Cover should be used when umbrella is not in use.
- Store in a dry, well-ventilated area.
- Follow the Opening Installation Instruction above when the umbrella is put back into service.