



9 FT. - 8 RIB SOLAR UMBRELLA

Model 95453

ASSEMBLY AND OPERATION INSTRUCTIONS

Due to continuing improvements, actual product may differ slightly from the product described herein.



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**TO PREVENT SERIOUS INJURY, READ AND UNDERSTAND
ALL WARNINGS AND INSTRUCTIONS BEFORE USE.**

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For technical questions or replacement parts, please call 1-800-444-3353.

PRODUCT SPECIFICATIONS

Materials	100% Green Polyester Fabric, UV treated, mildew resistant, vented cover with eight ribs, 9 Ft. Umbrella spread. An aluminum pole with a tilt mechanism of a 45 degree angle, left and right.
Solar Panel Measurements	5" Dial. x 1.54"H w/4" Lens Dia.
Batteries	1.2V NiCd Batteries-Qty. 4 (included)
Lighting Specifications	24 LED Bulbs 5/8" Dia., 8" Spacing on 8 Ribs, 3 Bulbs per Rib
Pole Dimensions	Lower Pole: 41-3/8"L x 1-1/2" Dia. Upper Pole w/Crank Handle
Overall Dimension	105" Dia. Spread- 93"H (assembled)
Net Weight	14.30 Lbs.

SAVE THIS MANUAL

You will need this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures, parts list and assembly diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Write the product's serial number in the back of the manual near the assembly diagram, or write month and year of purchase if product has no number. Keep this manual and invoice in a safe and dry place for future reference.

IMPORTANT SAFEGUARDS

READ AND UNDERSTAND ALL INSTRUCTIONS

When using electrical appliances, basic safety precautions should always be followed including the following:

1. **Read all instructions.**
2. **Close supervision is necessary when this product is near children.** Do not let children play in or around this product unsupervised.
3. **Extreme caution must be used when moving this product.** For safety, collapse the Umbrella before moving.
4. **Do not use this product for other than intended use.**
5. **Maintain labels and nameplates on this product.** These carry important information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
6. **Keep bystanders and children at a distance when operating this Umbrella.**
7. **CAUTION: Do not immerse in water.**

8. **Do not set up this product if under the influence of alcohol or drugs.** Read warning labels on prescriptions to determine if your judgement or reflexes are impaired while taking drugs. If there is any doubt, do not attempt to use this product.
9. **Use eye protection when assembling this product.** Wear ANSI approved safety impact eye goggles. The ANSI approved safety impact goggles are available from Harbor Freight Tools.
10. **Do not attempt to assemble or use this product in moderate or heavy wind conditions.** Doing so may cause personal injury and/or damage to the umbrella and personal property.
11. **Check for damaged parts.** Before using this product, carefully check that it will operate properly and perform its intended function. Check for damaged parts and any other conditions that may affect its operation. Service and maintenance should be performed by a qualified technician. LED lights are designed to last for a very long time. They should not need to be replaced.
12. **Use the right product for the right job.** There are certain applications for which this product was designed. Use this product ONLY with a heavy duty stand (not included), weighing at least 18 Lbs., and capable of firmly securing this Umbrella. Do not use this product in a way for which it is not intended.
13. **The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.**

SAVE THESE INSTRUCTIONS.

UNPACKING

When unpacking, check to make sure that the item is intact and undamaged. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

ASSEMBLY

Note: For additional information regarding the parts listed in the following pages, refer to the **Assembly Diagram at the end of this manual.**

OPERATION

Note: This Umbrella is intended for use only with a heavy duty umbrella stand which is not provided with this product. Order the Umbrella Stand from Harbor Freight Tools. Ask for SKU # 94041, Granite Stand.

1. Before setting up and using, make sure the Umbrella Light Switch (4) is turned off. (See Figure 3, page 5.
2. Place the umbrella stand (not included) on a flat, smooth surface. Choose a sunny location, allowing enough space for the height and the diameter of the Umbrella. The Solar Panel (5) at the top of the Umbrella (1) needs to be in a sunny location in order to charge. Allow at least 8 hours of sunlight for charging before first use. Placing the Umbrella under a tree or in a shady area will not allow the batteries to charge. See Figure 1.

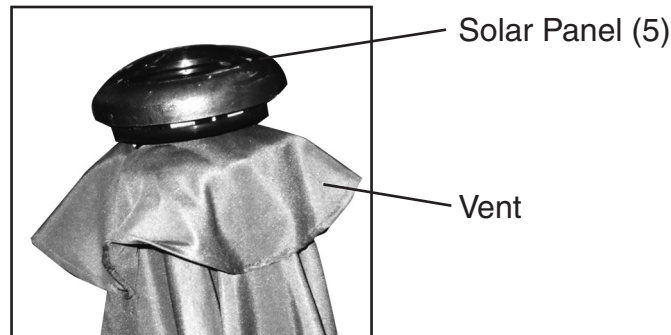


Figure 1

3. **Caution: DO NOT attempt to use this Umbrella in moderate or high wind conditions. Doing so may cause personal injury and/or damage to the Umbrella and personal property.**
4. To assemble, insert Lower Pole (2) with its threaded end upward, securely into a heavy duty umbrella stand (not included).
5. Screw the Upper Pole (1), with its pre-attached upper umbrella assembly, securely into the Lower Pole (2). **Caution: DO NOT attempt to use this Umbrella in moderate or high wind conditions. Doing so may cause personal injury and/or damage to the Umbrella and personal property.**
6. Hand-crank the Crank (8) clockwise in order to raise the hub above the self-locking safety lock, thereby locking the upper umbrella assembly into place. (See Figure 2, next page.) The Solar Umbrella is now ready for use.

7. Allow the Solar Umbrella to charge for at least 8 hours in full sunlight.
8. When needed, turn the Switch (4) to the ON position to illuminate the Bulbs (3) on the Ribs (9) inside the Umbrella. See Figures 3 and 4.

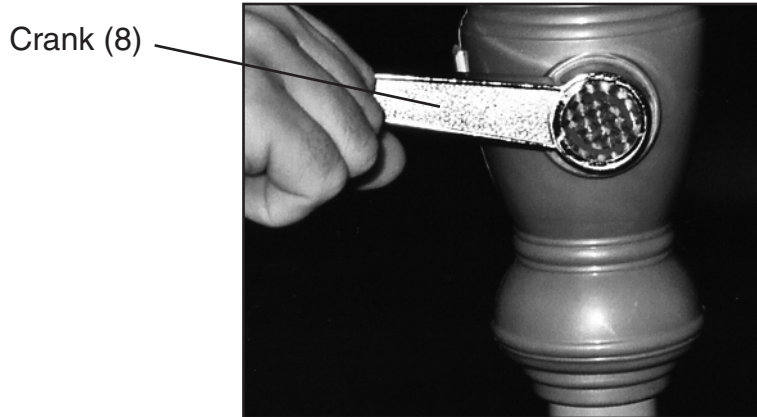


Figure 2

9. If you wish to tilt the upper part of the Umbrella for shade, press the “push button” located in the upper pole area. It will tilt to a 45 degree angle. To straighten up the Umbrella, push the button and reverse the tilt until the Tilt Mechanism (7) “clicks” into place for safety. Note: When tilting, opening, or closing the Umbrella, watch your head for injuries. Watch for pinched fingers. See Figure 5, next page.

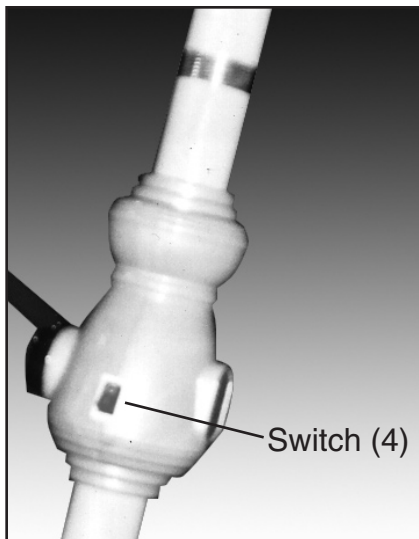


Figure 3

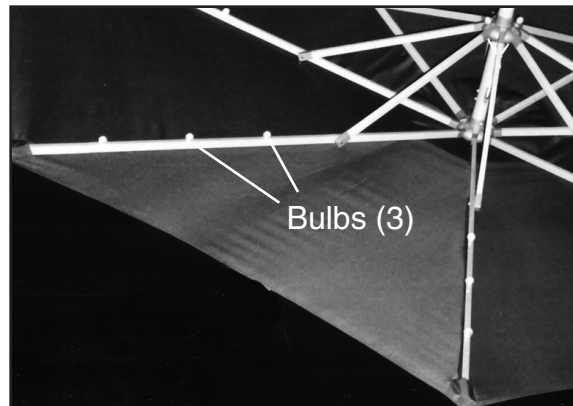


Figure 4



Push Button
Tilt Mechanism (7)

Figure 5

10. When finished using the Umbrella, make sure the Power Switch (4) is in its “OFF” position. Turn the Crank (8) counterclockwise until the upper umbrella assembly is completely closed.
11. Store in a dry place. For the next use of the Umbrella, allow the allotted time for the Solar Panel to power up by setting it up in an area that has full sunlight. If the batteries do not charge, replace the batteries with four NiCd Batteries (6). Dispose of the used batteries properly. (See Replacing Batteries).

REPLACING BATTERIES

1. Gently twist top of the Solar Panel (5), being careful not to damage the wiring. See Fig. 6.

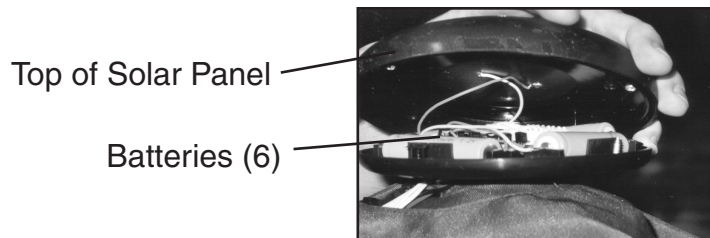



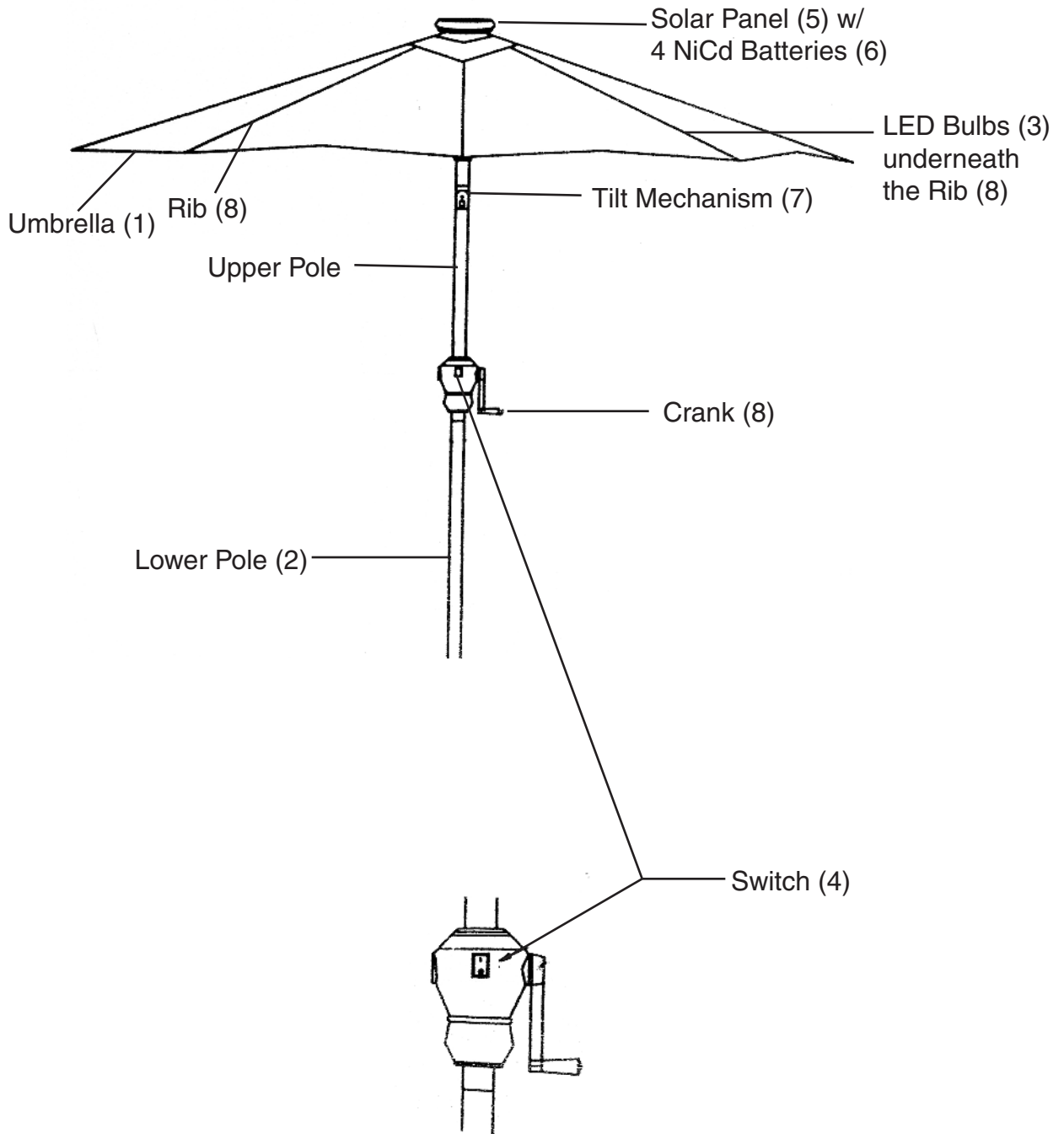
Figure 6

2. Replace the batteries with identical NiCd batteries. Follow the symbols for the polarity marked inside the battery housing.
3. Dispose of the old batteries according to the hazardous waste disposal guidelines in your community.

INSPECTION, MAINTENANCE, AND CLEANING

1.  **WARNING!** Make sure the Power Switch of this product is in its “OFF” position before performing any inspection, maintenance, or cleaning procedures.
2. **BEFORE EACH USE**, inspect the general condition of this product. Check for loose, cracked or broken parts, damaged electrical wiring, and any other condition that may affect its safe operation. **Do not use damaged equipment.**
3. After each use and after storing, clean the Solar Panel (5). Use a dry, soft cloth. Never use abrasive cleaners; they will damage the unit. You may use a mild detergent. Dry thoroughly. Never submerge the main unit, or any other part in water or any other liquid.

ASSEMBLY DIAGRAM



Record Product's Serial Number Here: _____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

PARTS LIST

Part #	Description	Qty.
1	Umbrella w/Upper Pole	1
2	Lower Pole	1
3	LED Bulb (2 Piece)	24
4	On/Off Switch	1
5	Solar Panel (5" Dia x 1.54"H)	1
6	NiCd Battery	4
7	Tilt Mechanism	1
8	Crank	1
9	Rib	8

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.