

# Instructions for Replacing the Upper Hub

**Warning: Always unplug any electrical appliance before attempting any repair.**

## STEP 1

Unscrew the vent cap. Remove the fabric. Place the umbrella on it side over a workbench or table. Tie a rope around the ribs close to the upper hub, to help keep the ribs together while replacing the hub.

## STEP 2 (for lighted umbrellas only)

Remove the electric box cover. Disconnect all the WHITE wires from the outside ring and the RED wires from the inside ring. Save the screws and the two electric rings for the replacement hub.

## STEP 3

Remove all the mounting bolts from the upper hub, in order to separate the two sections of the hub. (Note: the rib pins may fall out when you open the upper hub. Collect and save the pins for new hub.)

Remove the top section of the hub. Use caution when removing the top section as to not damage any wires.

## STEP 4

Untie the rope from the ball, located below the lower hub.

## STEP 5

Remove the two screws, holding the bottom section of the hub to the center pole, and then slide the bottom section of the hub down the center pole until removed.

## STEP 6

Slide the bottom section of the new hub up the center pole to the ribs. Reattach the two screws securing the bottom section to the center pole. Place the rib with pins into the slots on the bottom section of the hub. (Note: make sure the rib pins rest firmly in the slots of the hub.)

## STEP 7

Reattach the top section of the hub to the bottom section. Use caution when attaching the top section, as to not damage any wires. (Note: make sure all the mounting bolts are firmly tightened.)

## STEP 8 (for lighted umbrellas only)

Place the two electrical rings onto the hub. Connect all the WHITE wires to the outside ring and all the RED wires to the inside ring. (Note: make sure all the wire connections are firmly tightened). Mount the cover onto the electric box.

## STEP 9

Set the umbrella in an upright position. Install the fabric cover and screw on the vent cap.

## STEP 10

Open and close the umbrella to test the ribs.

## STEP 11 (for lighted umbrellas only)

Plug in the transformer and check the lights.

For further assistance contact our Tech/Service department @ Wanda Technology.