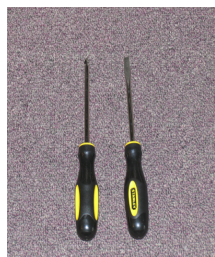


REPLACING A RIB

INSTRUCTIONS

Warning: Always disconnect any electrical appliance before attempting any repairs.



1a



1b

STEP 1

- Tools needed are: one Phillip screwdriver, one Flat screwdriver. (1a)
- Remove the fabric and lay the umbrella frame on its side with the damaged rib facing upwards. (1b)



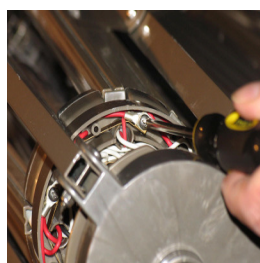
2a

STEP 2

- Separate the damaged rib from the return arm by removing the two screws on the rib connector. (2a)



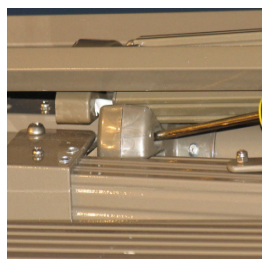
3a



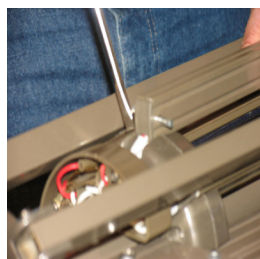
3b

STEP 3 (for lighted umbrellas only)

- Remove the electrical box cover from the upper hub. (3a)
- Locate the two wires from the damaged rib and disconnect the RED wire from the outside ring and the WHITE wire from the inside ring. (3b)
- Attach a three foot piece of fishing line or string to the two wires before removing the rib.



4a



4b

STEP 4

- Remove one hub bolt on each side of the damaged rib. (4a)
- Insert a flat screwdriver in between the two sections of the hub and pry open enough to remove the damaged rib and the pin. (4b)
- Note: use caution when pulling electrical wires thru hub.

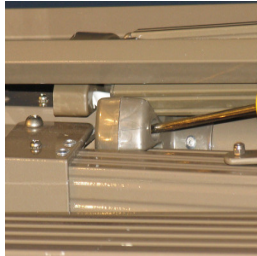
For further assistance contact our service department

REPLACING A RIB

INSTRUCTIONS (cont.)



5a



5b

STEP 5

- Attach the fishing line to the new wires and pull the wires thru the hub and into the electrical box.
- Pry open the hub and insert the new rib w/pin into the hub. Make sure the rib pin sets firmly into the slot. (5a)
- Re-tighten the all the bolts on the hub. (5b)



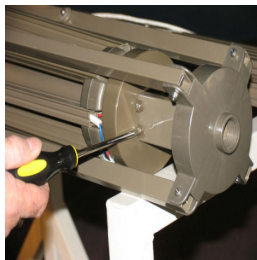
6a

STEP 6

- Attach the new rib to the return arm rib connector using the two screws. (6a)



7a



7b

STEP 7 (for lighted umbrellas only)

- Connect the WHITE wire to the inside ring and the RED wire to the outside ring. (7a)
- Place the cover onto the electrical box and secure. (7b)

STEP 8

- Place the umbrella into its base. Slowly open and close the umbrella to test the ribs.
- For lighted umbrellas, plug in the transformer and test the lights while the umbrella is fully opened.
- If satisfied, place the fabric on the umbrella frame.
- You have successfully completed the repair.

For further assistance contact our service department