

Replacing the Smooth Runner

WARNING: ALWAYS DISCONNECT ANY ELECTRICAL APPLIANCE BEFORE ATTEMPTING ANY REPAIR



1a



1b

Step 1 -

1a: Tools needed are one (1) Phillips screwdriver, one (1) flat screwdriver, and two (2) pliers.

1b: Remove the canopy and lay the umbrella on its side with the crank handle facing upwards.



2a



2b

Step 2 -

2a: Remove the top cap from the top of the frame post.

2b: Grab and pull the rope to unwind the rope from the crank shaft.



3a

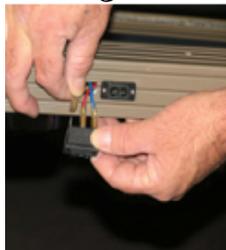


3b

Step 3 -

3a: Remove the two long bolts from the housing and the crank assembly. Wiggle the crank as you pull, so the knot will be moved away from the shaft.

3b: Untie the knot and remove the rope, then place the rope back into the frame post.



4a



4b

Step 4 -

4a: Using the flat screwdriver, pry the switch out and disconnect the three (3) wires. Make note of the color position on the terminals. Place the wires back into the post.

4b: Remove the plug and disconnect the neutral wire.



5a



5b

Step 5 -

5a: Disconnect the old smooth runner from the lower support arm and slide it down the post.

5b: Remove the tilt handle from the old smooth runner and install it onto the new smooth runner.



6a

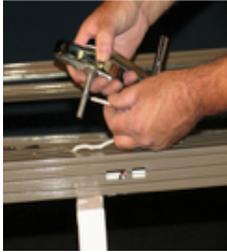


6b

Step 6 -

6a: Place the two (2) wheels and pins into the outside slots.

6b: Slide the smooth runner up the post to the lower support arm and reattach.



7a



7b

Step 7 -

7a: Use a small wire to hook and pull the wire out of the post. Insert the rope into the crank shaft and tie a knot.

7b: Insert the knot into the frame post, then insert the crank shaft into the frame post.



8a



8b

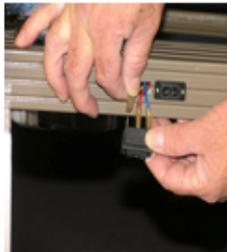
Step 8 -

8a: Reattach the crank assembly using the two (2) long bolts.

8b: Grab and pull the rope at the top of the frame post to move the knot tight against the shaft.



9a



9b

Step 9 -

9a: Connect the neutral wire and attach the plug onto the post.

9b: Attach the wires (red, blue, black) to the switch and snap lock into the post.



10a



10b

Step 10 -

10a: Screw the positioning bolt onto the post. Place the plastic decor caps onto the nuts.

10b: Replace the top cap on the frame post. Place the umbrella upright into the base and test the smooth runner. Plug in the transformer and replace the canopy.

For further assistance, contact our office by email or phone (listed below).

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