

Repairing the Smooth Runner

Instructions

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



1a



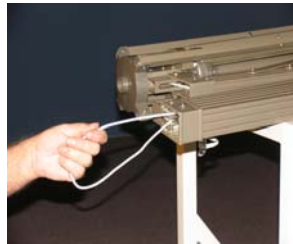
1b

STEP 1

- Tools needed are: one Phillip screwdriver, one Flat screwdriver, two pairs pliers. (1a)
- Remove the fabric and lay the umbrella on its side with crank handle facing upwards. (1b)



2a



2b

STEP 2

- Remove the plastic at the top of the main post. (2a)
- Grab & pull the rope to unwind the crank shaft. (2b)



3a



3b

STEP 3

- Remove the two long bolts in the housing and remove the crank assembly. Wiggle the crank as you pull to move the knot. This will allow you to remove the crank. (3a)
- Untie the knot and remove the rope, then, place the rope back into the post. (3b)



4a



4b

STEP 4 (for lighted umbrellas only)

- Pry the switch out using the Flat screwdriver and disconnect the three wires. Make note of the color position on the terminals. Place the wires back into the post. (4a)
- Remove the plug and disconnect the neutral wire. (4b)

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5a



5b

STEP 5

- Disconnect the old bracket from the Lower Support Arm and slide it down the post. (5a)
- Remove the trigger handle from the old bracket and install it on the new bracket. (5b)



6a



6b

STEP 6

- Place the two rollers w/pins into the two outside slots. (6a)
- Slide the bracket up the post to the Lower Support Arm and reattach. (6b)



7a



7b

STEP 7

- Use a small wire to hook & pull the wire out of the post.
- Insert the rope into the crank shaft and tie a knot. (7a)
- First, insert the knot into the post, then insert the shaft into the post. (7b)



8a



8b

STEP 8

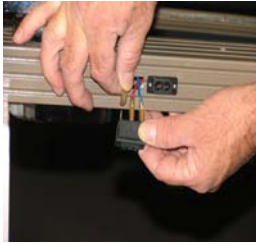
- Reattached the crank assembly using the two long bolts. (8a)
- Grab & pull the rope at the top of the main post to move the knot tight against the shaft. (8b)

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9a



9b

STEP 9 (for lighted umbrellas only)

- Connect the neutral wire together and attach the plug onto post. (9a)
- Attach the wires (red, blue, black) to the switch and snap lock into post. (9b)



10a



10b

STEP 10

- Screw the positioning bolt onto the post. Place the plastic caps onto the nuts. (10a)
- Replace the top cap onto the post. (10b)

STEP 11

- Place the umbrella upright into its base. Slide the tilt up and open the umbrella to test the smooth runner.
- Plug in the transformer and test the lights (for lighted umbrellas only).
- If satisfied, place the fabric onto the umbrella frame.
- The repair is complete.