

*rainbow*<sup>®</sup>  
**POWERNOZZLE**<sup>™</sup>

INSTRUCTION MANUAL




# Important Safety Instructions



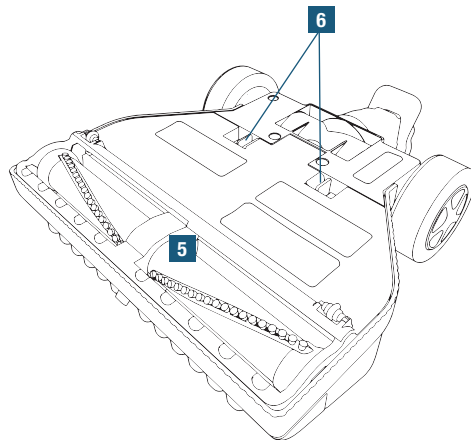
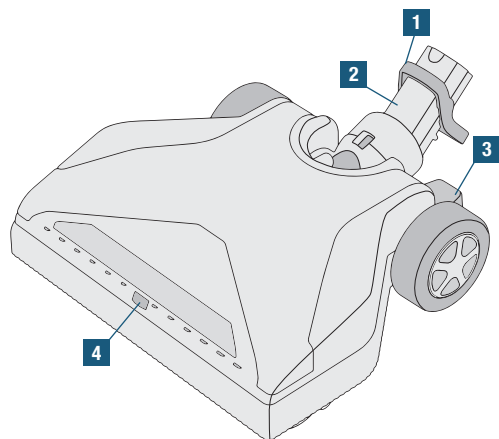
**THIS SYMBOL MEANS 'CAUTION.'** When using an electrical appliance, basic precautions should always be followed, including the following:



**THIS SYMBOL MEANS 'PLEASE READ ALL INSTRUCTIONS BEFORE USING THIS UNIT.'**

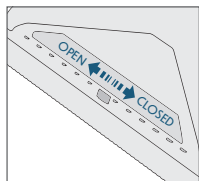
1. Use only as described in this manual. Use with RHCS19 Rainbow model only.
2. To reduce the risk of electric shock - use indoors only.
3. To avoid the risk of fire, do not vacuum up anything that is burning or smoking, such as cigarettes, matches or hot ashes.
4. To avoid electric shock, do not handle plug or Power Nozzle with wet hands.
5. To avoid injury, do not put any object into openings. Do not use if any openings are blocked; keep free of dust, lint, hair, and anything that may reduce airflow.
6. To avoid injury, keep hair, loose clothing, fingers and all parts of body away from openings and moving parts.
7. To reduce the risk of electric shock - use for dry pick up only. Do not use Power Nozzle outdoors or on wet surfaces.
8. To reduce the injury from moving parts, unplug from the electric supply before cleaning or servicing.
9. This Power Nozzle utilizes double insulation. Use only identical replacement parts. See instructions for servicing double insulated appliances.
10. A double-insulated appliance is marked with one or more of the following: the words "DOUBLE INSULATION" or "DOUBLE INSULATED," or the double insulation symbol  (square with a square). In a double-insulated appliance, two systems of insulation are provided instead of grounding. No grounding mechanism is provided on a double-insulated appliance, nor should a means for grounding be added to the appliance. Servicing of a double insulated appliance requires extreme care and knowledge of the system, and should only be done by qualified personnel. Replacement parts for a double-insulated appliance must be identical to the parts they replace.
11. To avoid the risk of fire, do not use to pick up flammable liquids, such as gasoline, or use in areas where they may be present.
12. The Rainbow can be used by children aged 8 years and above and persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge, if they have been given supervision or instruction concerning use of the Rainbow in a safe way, and if they understand the hazards involved. Children should be supervised to ensure that they do not play with the Rainbow. Cleaning and user maintenance shall not be performed by children without supervision.
13. Use the Power Nozzle for dry pick-up only. Do not use outdoors or on wet surfaces.
14. Never pick up hard or sharp objects with the Power Nozzle. Items such as pins, hairpins, tacks, crayons and pencil stubs may cause damage to the brush roll or belt.
15. Always make sure your Rainbow is unplugged before attaching your Power Nozzle.
16. Do not oil motor. The motor is permanently lubricated and sealed.
17. Consult flooring manufacturer prior to using the Power Nozzle on bare hard surfaces. Then test the Power Nozzle in an inconspicuous location to verify the flooring is not damaged by use.
18. The Power Nozzle is NOT for use on polished or glossy finish hard surface floors. Additionally, when TRANSPORTING the power nozzle across polished or glossy finish hard surface floors, the Power Nozzle should NOT be running AND the wands should be placed in the upright lock position AND the Power Nozzle tipped back on its rear two wheels for transportation across polished or glossy finish hard surface floors.

# The Rainbow® Power Nozzle™



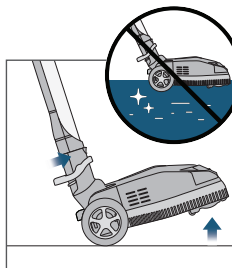
1. Foot Release
2. Pivot Arm
3. Upright Lock Release Pedal
4. Airflow Control
5. Brush Roll
6. Sole Plate Release Tabs

**Contact an Authorized Rainbow Distributor for replacement Power Nozzle belts and other supplies.**



## Air Flow Control

The Power Nozzle features the ability to control the amount of airflow. For delicate surfaces, such as area rugs, microfiber carpet and mattresses, use with the Power Nozzle air scoops in the **OPEN** position. For all other purposes, use the Power Nozzle with the air scoops in the **CLOSED** position.



## Polished or Glossy Finish Hard Surface

**⚠ CAUTION:** The Power Nozzle is **NOT** for use on polished or glossy finish hard surface floors.

Additionally, when **TRANSPORTING** the power nozzle across polished or glossy finish hard surface floors, the Power Nozzle should **NOT** be running **AND** the wands should be placed in the upright lock position **AND** the Power Nozzle tipped back on its rear two wheels for transportation across polished or glossy finish hard surface floors.

# Troubleshooting Guide

This Rainbow appliance has been thoroughly tested and inspected. If a minor issue develops, the following troubleshooting procedures may help identify and correct the issue. If you are unable to resolve the issue, contact an Authorized Rainbow Distributor for service. Any service procedure not listed below should be performed by an Authorized Rainbow Distributor or Service Center.

**⚠ WARNING:** Disconnect electrical supply before performing maintenance to the unit. Failure to do so could result in electrical shock or personal injury.

| ISSUE  | POSSIBLE CAUSE                                   | POSSIBLE SOLUTION   |
|--|--|---|
| The Power Nozzle motor is not running.                           | Handle trigger is not activated.                 | Must squeeze trigger on hose handle.  |
|  | Wands not connected.                             | Make sure wands are properly connected.   |
|  | Wand connections not made.                       | Make sure wands are seated properly.  |
|  | Automatic resetting motor protector has tripped. | Turn Rainbow off. Leave off for 30 seconds. Turn Rainbow back on.   |
| The Power Nozzle motor is running but brush is not revolving.    | Broken belt.                                     | Disconnect power; Remove sole plate; Make sure brush rotates freely; Replace belt.                            |
| The Power Nozzle brush is stopped and cannot be rotated by hand. | Object lodged in brush chamber.                  | Disconnect power; Remove sole plate; Remove foreign object; Make sure brush rotates freely.                   |
|  | Bearing worn out.                                | Contact an Authorized Rainbow Distributor or Service Center for a replacement brush roll.                     |
| The Power Nozzle is not picking up debris well.                  | Clogged air chamber.                             | Disconnect power; Remove sole plate; Clear out entire air chamber.  |
|  | Clogged wands or hose.                           | Disconnect power; Remove obstruction; Connect to Rainbow; Make sure air is flowing freely through hose.       |
|  | Bristles not in contact with carpet.             | Make sure sole plate is completely in position before latching; Replace brush if bristles are worn too short. |

# Power Nozzle™ Assembly and Operation

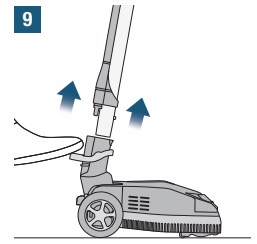
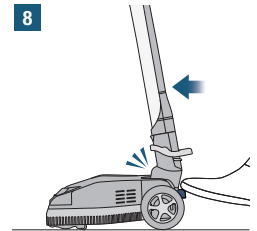
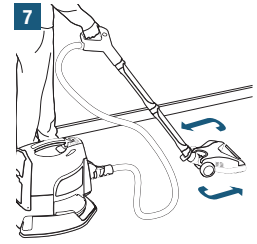
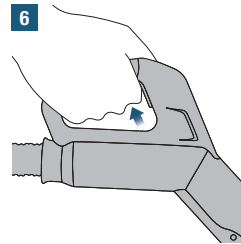
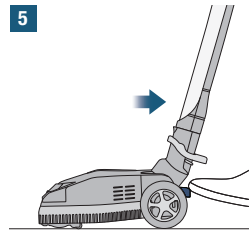
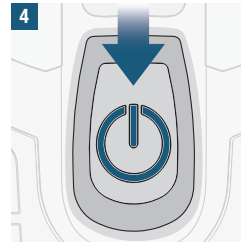
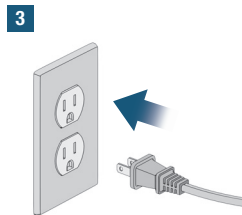
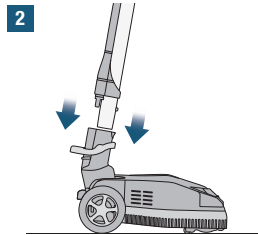
## Assembly

1. Prior to using the Power Nozzle, follow the Rainbow Quick Start Guide to prepare the Rainbow.
2. Insert the bottom wand with male end into the opening located on top of the Power Nozzle. Press downward until button lock clicks.

## Operation

3. Plug in the Rainbow.
4. Press down on the main power button. The Rainbow will always start in high speed.
5. To disengage from the upright position, use your left foot to press down on the upright lock release pedal. Then pull backwards.
6. To activate the Power Nozzle, squeeze trigger on hose handle. Release trigger to turn Power Nozzle off.
7. Guide Power Nozzle slowly back and forth over carpet with free and easy strokes. Let the Power Nozzle and Rainbow do the work.

8. To lock Power Nozzle into the upright position, use your left foot to depress the upright lock pedal. Next, grasp the wand assembly and push forward until wand system is fully engaged in locking tabs. Release the upright lock pedal.
9. To disconnect the Power Nozzle from the wand, place your foot on the foot release above the pivot arm.

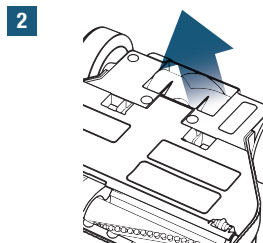
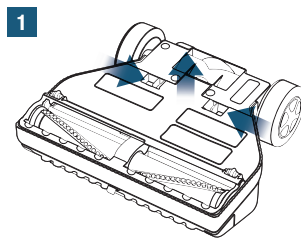


# Replacing the Power Nozzle™ Belt

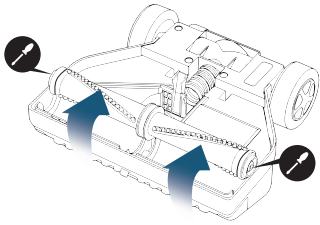
For best performance, we recommend you replace your Rainbow Power Nozzle belt every 12 to 18 months or when you notice decreased cleaning performance. Your Power Nozzle comes with one replacement belt and can be easily changed in just a few minutes. This replacement belt is located in the spare belt pocket under the sole plate. For additional replacement belts contact an Authorized Rainbow Distributor.

**! WARNING:** Always disconnect from electrical supply when servicing.

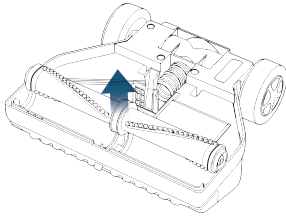
1. Turn the Power Nozzle upside down. Simultaneously squeeze the two snap tabs, pull the snap tabs up and rotate the sole plate towards the front of the Power Nozzle to disengage the sole plate.
2. Grasp the belt door near the belt and rotate it towards the back of the sole plate to reveal the belt and brass motor pulley.
3. Using a flat-bladed screwdriver, pry upwards on the two ends of the brush roll until it is clear of the Power Nozzle.
4. Remove the belt from the motor pulley and then remove the brush roll from the Power Nozzle.
5. Discard the worn or broken belt and replace with a new belt. Align the grooves of the new belt with the grooves on the center pulley of the brush roll.
6. Orient the brush roll so that the bristles appear as shown in Diagram 6. Position the brush roll and belt over the brass motor pulley so that the grooves of the new belt are aligned with the grooves of the brass motor pulley.
7. Note the 'octagon' shaped brush roll end caps and the 'octagon' shaped pockets in the Power Nozzle. Also note the two 'alignment' ribs near the 'octagon' shaped pockets in the Power Nozzle. Pull the brush roll forward to remove the slack in the belt to keep the belt on the brass motor pulley. Position the brush roll such that the 'octagon' shaped end caps are on the 'alignment' ribs.
8. Using your thumbs, push the 'octagon' shaped end caps forward until the brush roll drops into the 'octagon' shaped pockets in the Power Nozzle. Make sure the 'octagon' shaped end caps are correctly seated in the 'octagon' shaped pockets. Rotate the brush roll to make sure the belt is assembled correctly on the brush roll pulley and the brass motor pulley.
9. Close the belt door by rotating it forward and snapping it closed.
10. Re-install the sole plate, making sure the front and rear snaps are fully engaged.
11. Replacement of the belt is complete.



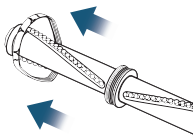
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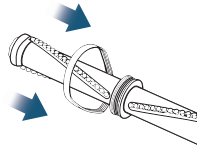
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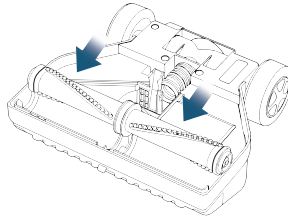
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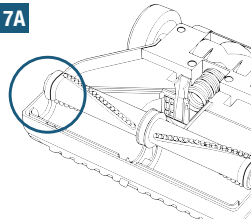
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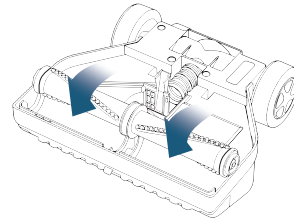
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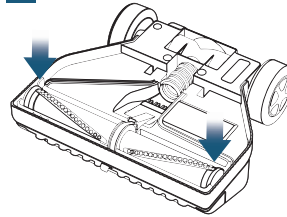
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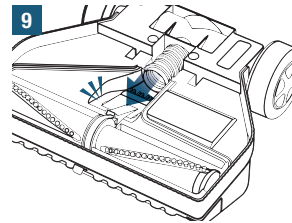
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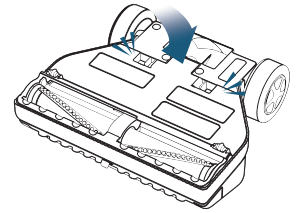
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Contact an Authorized  
Rainbow Distributor for  
replacement Power Nozzle  
belts and other supplies.



[rainbowsystem.com](http://rainbowsystem.com)

Rexair LLC | Troy, Michigan

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