Rainbow...

POWER NOZZLE



MODELS:
R-1650C
R-1650F

OPERATIONAL MANUAL

Rainbow...

POWER NOZZLE

GENERAL INFORMATION

THE NEW MOTORIZED RAINBOW POWER NOZZLE ADDS DEEP DOWN BEATER-BRUSH VIBRATING ACTION TO THE ALREADY SUPERLATIVE CLEANING EFFICIENCY OF THE RAINBOW CLEANER'S POWERFUL AIR FLOW AND TERRIFIC WATER TURBULENT FILTERING PRINCIPLE.

- The new Rainbow Power Nozzle assembles in seconds. The Cord is held in place to the hose and on the wand by permanent straps.
- Cord has convenient electrical connection to the Rainbow Cleaner. After the connection is made, the ON/OFF switch of the Rainbow Cleaner will operate both the cleaner and the motorized Power Nozzle.
- The agitating action of the rapidly revolving beater—brush bars loosen lint, threads and hair for easy pick up and deposit with the DEEP DOWN DIRT AND GRIME into Rainbow's swirling, whirlpool water bath.
- The rotating brushing action of the beater-brush bar makes most deep nap, pile and shag carpets easier to groom and clean, thus enhancing the appearance while adding brilliant luster and longer life to the carpet.
- Operated by a built in motor which is permanently lubricated and sealed to provide better service and longer motor life.
- Fully Motorized, Sturdy, light-weight, easy to use.

Service Information: PLEASE READ VERY CAREFULLY . . .

THE PERFORMANCE OF YOUR NEW CLEANER GREATLY DEPENDS UPON HOME MAINTENANCE. THE INSTRUCTIONS GIVEN IN THE BOOKLET WILL GUIDE YOU IN PERFORMING SIMPLE HOME MAINTENANCE. TO OBTAIN THE MOST SATISFYING YEARS OF SERVICE, READ THROUGH THESE INSTRUCTIONS AND KEEP THEM HANDY FOR FUTURE REFERENCE.

- Always pick up hard or sharp objects by hand before using your cleaner. Items such as pins, hairpins, tacks, crayons and pencil stubs may damage the brush roll or may break a belt.
- DO NOT OIL MOTOR. The motor is permanently lubricated and sealed.
- Use Power Nozzle on carpeting and/or large floor rugs only.
- USE on dry surfaces only. Do not use outdoors or on wet surfaces.

WARNING: SEVERE ELECTRICAL SHOCK COULD OCCUR IF USED OUTSIDE OR ON WET SURFACES.

CAUTION: Do not use the RAINBOW POWER NOZZLE to clean any oily or greasy compounds (such as soot) or ashes, ceramic dust or other powdery substances that are impervious to the wetting action of water.

USE POWER NOZZLE ONLY AS DIRECTED IN THIS OPERATION MANUAL

Rating Plate

The model, type, and serial number are indicated on the rating plate. For prompt and complete service information, always refer to these numbers when inquiring about service. **SAMPLE BELOW:**

RAINBOW POWER NOZZLE
MODEL R-1650C*
MFG. BY REXAIR INC. CADILLAC, MICHIGAN

120 VOLTS AC, 60 HZ 1.4 AMPS
SER. NO.

Write the model and serial numbers of your Rainbow Power Nozzle in the space provided and keep for future reference.

*R-1650F for Power Nozzles sold in Canada

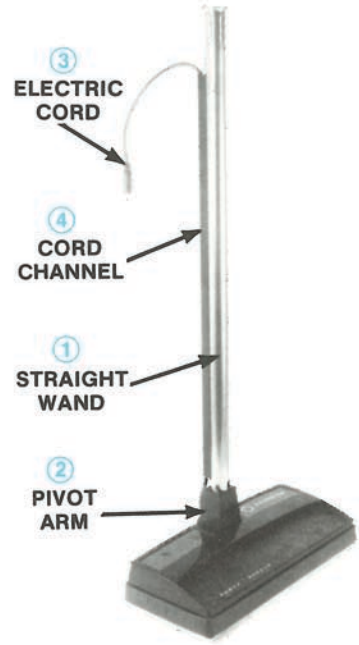
MODEL #_____ SERIAL #_____

HOW TO ASSEMBLE THE POWERHEAD

1. Push Straight Wand (1) into Pivot Arm (2) of the motorized nozzle unit.
2. Insert the electric cord (3) into the long channel cord guide (4) on straight wand, by pressing the cord into channel guide with thumb.
3. Leave a bit of slack in the lower cord at the base of the Straight Wand (and Pivot Arm) to enable the handle to be raised and lowered.



STRAIGHT WAND WITH CORD CHANNEL

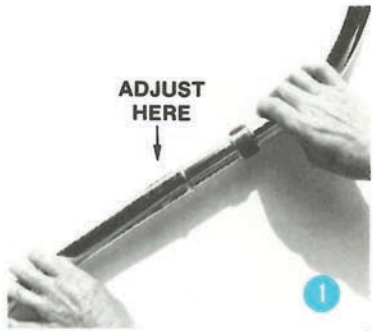


HOW TO CONNECT POWER NOZZLE WANDS AND HOSE AND PROPER USE

(1) Connect the Handle (Short curved wand) by inserting into the long, straight Power Nozzle wand.

a. Should the wands slip apart, use the curved wand section to lightly tap the metal between the slots at end of straight wand until snug fit is obtained.

b. Should Wands wedge tightly together, hold parallel to the rug or carpet and drop them. The vibration will cause them to loosen. Repeat the process if necessary. If the Wands are properly adjusted for snugness they will not wedge together.



HOW TO CONNECT POWER NOZZLE WANDS AND HOSE AND PROPER USE (CONTINUED)

② To connect Handle (Curved Wand) to Hose push soft end of Hose over hump on handle.



THE NYLON BRAIDED HOSE

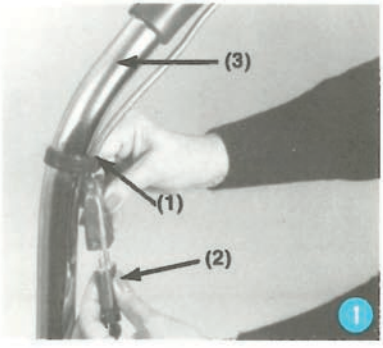


Rainbow's Nylon Braided Hose is light in weight and truly flexible. The molded rubber tip at the handle end of the hose is easy on the hands, and assures a firm hold of the hose at all times. To clean: insert hard coupling marked "PRESS" into blower opening of the cleaner, after removing Blower Cap. Place the soft end of the Hose into the suction opening. Switch on Cleaner Motor and jiggle Hose. Any dirt stuck in the Hose will be drowned in the Rainbow's water bath.

HOW TO CONNECT POWER NOZZLE ELECTRIC CORDS TO HANDLE AND HOSE

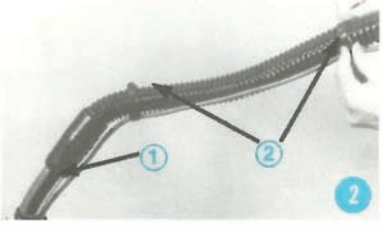


① Plug the Extension Cord (1) into the Power Nozzle electrical cord (2) as shown. They will connect at the position of the Handle (3). An extension cord with a special fitting is provided to make the electrical connection from the motorized nozzle to the cleaner. Make the electrical connection between the power nozzle and hose only.



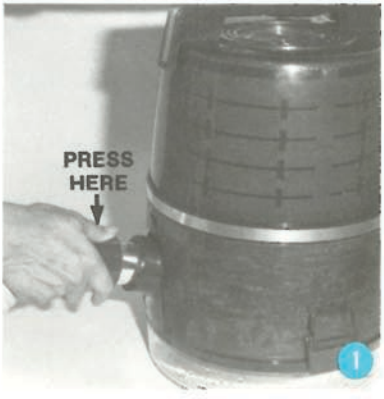
② Attach the extension cord to the Handle (Curved Wand) and to the Hose. Six vinyl cord straps are provided for this purpose. (1) Secure the extension cord to the Handle. (2) Use the remaining straps (space evenly) to attach the extension cord to the Hose. Once in place, the straps need not be removed.



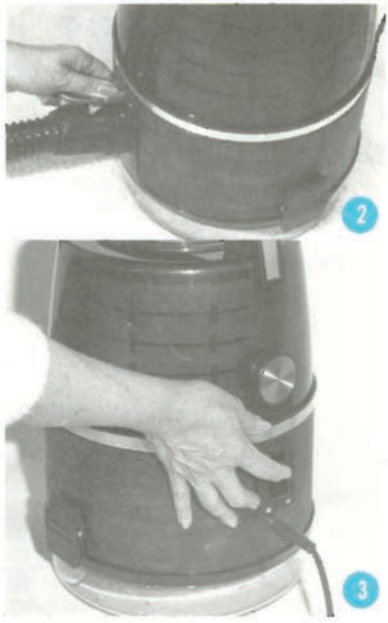


HOW TO CONNECT MOTORIZED POWER NOZZLE TO RAINBOW CLEANER AND PROPER USE

① Insert the coupling end of Hose into the suction opening of the Rainbow Cleaner until it clicks. To remove, press spot on coupling marked "PRESS" and pull Hose from machine.



HOW TO CONNECT MOTORIZED POWER NOZZLE TO RAINBOW CLEANER AND PROPER USE (CONTINUED)



② Plug the Power Nozzle cord into the special receptacle of the Rainbow Cleaner as shown.

③ After the electrical connections are made, the ON/OFF switch on the Rainbow power unit will operate both the Cleaner and the motorized Power Nozzle. Snap switch on Power Unit to "ON" with a flick of the fingertips.

PROPER USE

With the machine at the left and to the rear, hold the Handle with the right hand at a comfortable angle. Grasp the Hose with left hand making a loop behind the back. Slowly guide the Power Nozzle back and forth in smooth and easy strokes. Let the Power Nozzle and the Rainbow Cleaner do the work.

IMPORTANT: FOR COMPLETE OPERATING INSTRUCTIONS OF THE RAINBOW CLEANER, REFER TO R-1764 RAINBOW OPERATION MANUAL.

HOW TO USE THE CARPET SELECTION FEATURE

To adjust for differing heights of carpet, use your Rainbow Power Nozzle's unique carpet selection feature. This adjustment allows you to to control the airflow to achieve maximum cleaning efficiency and ease.

FOR SHORT NAP CARPETS: Set the selector button to the "lo" position. This setting closes off the jet vents forcing the flow of air through the air relief depressions in the front of the sole plate) (See fig. 1)

FOR MEDIUM NAP CARPETS: Set the selector button to the "med" position. This setting provides a partial jet assist to aid the air relief depressions in the sole plate (See fig. 2).

FOR DEEP NAP CARPETS: Set the carpet selector button to the "hi" position. This setting provides maximum air flow and cleaning ability on heavy carpets. (See fig. 3).

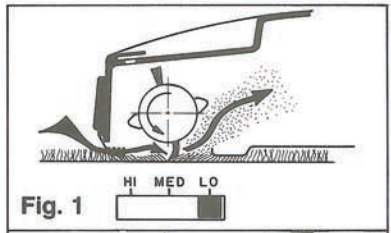


Fig. 1

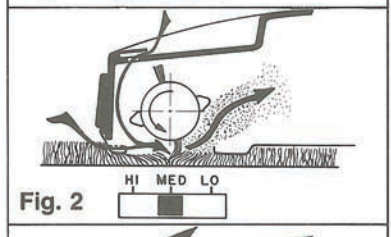


Fig. 2

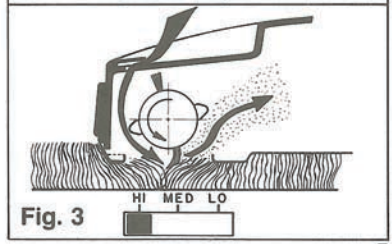


Fig. 3

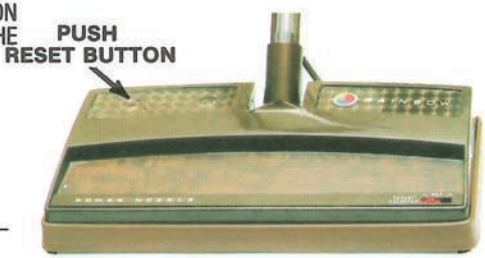
HOW TO RESET THE CIRCUIT BREAKER ON THE RAINBOW POWER NOZZLE

EACH RAINBOW POWER NOZZLE IS PROTECTED AGAINST MOTOR BURNOUT BY A RESETTABLE CIRCUIT BREAKER. IN THE EVENT THAT THE MOTOR SHOULD BECOME OVERLOADED, THE CIRCUIT BREAKER WILL OPEN AND AUTOMATICALLY SHUT OFF THE POWER TO THE MOTOR. WHEN THIS OCCURS THE MOTOR WILL STOP RUNNING, BUT THE PILOT LIGHT WILL REMAIN LIGHTED. THE RESET BUTTON WILL POP UP AS SHOWN IN FIGURE (1.)

NOTE — Be sure to read Note 6 in the Important Safeguards Section.

TO RESET:

1. Turn the Rainbow Cleaner switch "OFF".
2. Disconnect unit from the electrical supply.
3. Disconnect the Power Nozzle extension cord from the Rainbow Cleaner electrical receptacle. Grasp the cord PLUG FIRMLY. Retract the cord plug from the Rainbow Cleaner receptacle by removing it with a steady, even movement. DO NOT REMOVE PLUG BY PULLING ON THE CORD AS THIS COULD DAMAGE THE CORD INSULATION AND THE INTERNAL CONNECTIONS TO THE PLUG.
4. Remove any object that may have stalled beater-bar brush.
5. Rotate beater-bar brush by hand to make sure it is not frozen in position.
6. Push reset button downward until it snaps into its original position.
7. Reconnect the Power Nozzle extension cord to the electrical supply of the Rainbow Cleaner.



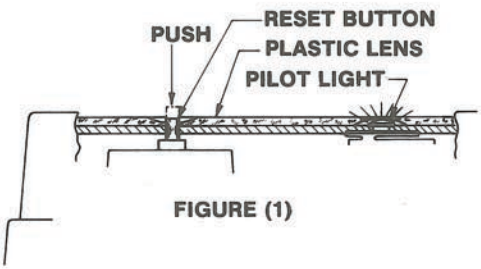


FIGURE (1)

How To Replace A Worn Belt

NOTE — Be sure to disconnect unit from electrical supply.



DISCONNECT POWER BEFORE SERVICING



① Using a screwdriver, remove the chrome bottom plate by removing the two screws which hold the plate in place. Remove the worn or broken belt from the brush roll pulley and the motor drive shaft.

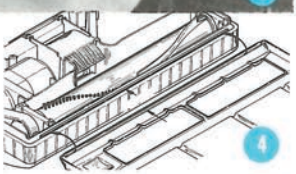
② Loop the new belt around the center of the motor drive shaft. Slip the opposite loop of the belt between the brush roll pulley and the nozzle housing.

③ Using the thumb and the finger, rotate the belt on the pulley, wrapping the belt all the way around the pulley.

④ Place the lip on front of the bottom plate over the ridge across the front of the nozzle. Refer to picture #4.

Press the bottom plate down into place on the nozzle and replace the two screws. Refer to picture #1.





IMPORTANT SAFEGUARDS

Accidents due to misuse can only be prevented by those using the machine. To guard against injury, basic safety precautions should be observed, including the following:

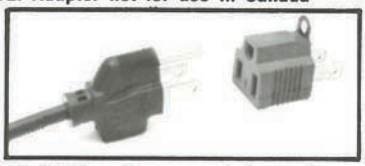
READ AND FOLLOW ALL SAFETY LABELS ON POWER NOZZLE.

WARNING - TO REDUCE THE RISK OF ELECTRIC SHOCK, USE INDOORS ONLY. DO NOT USE MOTORIZED NOZZLE ON WET SURFACES. CONNECT VACUUM CLEANER TO A PROPERLY GROUNDED OUTLET.

WARNING - TO REDUCE THE RISK OF ELECTRIC SHOCK DISCONNECT POWER BEFORE SERVICING

1. Please read all instructions carefully. Use Rainbow Power Nozzle only for its intended use as described in the instructions. The use of attachments not recommended by the appliance manufacturer may cause hazards. It is designed to be safe when used to perform cleaning functions as specified in this Operation Manual. Should damage occur to electrical or mechanical parts, Power Nozzle should be repaired by Independent Distributor from whom you purchased unit, before using in order to avoid further damage to unit or physical injury to yourself. Refer to the NOTICE FROM MANUFACTURER TO PURCHASER on back cover.
2. Make sure your home electrical system is properly grounded, whether your home is wired for two prongs or three.
3. If your home is wired for two prongs **do not use** the Rainbow Power Nozzle unless you properly use an **adapter** each time you change outlets. (Refer to illustrations shown here:)

NOTE: Adapter not for use in Canada



The Rainbow 3-prong cord plug and a 3-prong adapter for a 2-prong wall outlet.



Use one of the wall receptacle screws to ground the adapter to the outlet metal box.

4. Close supervision is necessary when any appliance is used by or near children. Do not allow unit to be used as a toy or to run unattended at any time.
5. A damaged power cord could cause electrical shock and/or fire. To minimize this possibility observe the following precautions:

   Do not run cleaner over power cord.

   Avoid closing doors on power cord, pulling it around sharp edges, or placing sharp-edged objects upon it.

   When disconnecting power cord from electrical outlet, grasp the plug. Pulling it out by the cord itself can damage cord insulation and internal connections to plug. Also, avoid damage to insulation by keeping cord away from oil and heat.
6. Your Power Nozzle contains a powerful revolving brush. To avoid bodily injury the Power Nozzle should not be placed against or in close proximity to loose clothing, jewelry, hair, or body surfaces while cleaner is connected to electrical outlet. The Power Nozzle Circuit Breaker does NOT protect against bodily injury or damage to objects that contact the revolving brush.
7. Unplug power nozzle when not in use. Turn cleaner off at switch before unplugging. Grasp the plug to disconnect from wall outlet to avoid damage to cord, plug, prongs, or receptacle.
8. Always disconnect cord from electrical outlet before servicing the Rainbow Power Nozzle.
9. Do not clean the unit, or unclog the hose until the plug has been removed from the Rainbow cleaner receptacle.
10. Do not operate out of an incandescent light fixture, or use with extension cords. Only plug the Rainbow cord into wall receptacle outlets that are properly grounded as explained and illustrated in paragraph three.
11. Do not use your Power Nozzle in areas where flammable and/or explosive vapor or dust is present to avoid possibility of fire or explosion. Some cleaning fluids can produce such vapors. Areas on which cleaning fluids have been used should be completely dry and thoroughly aired before being vacuumed.
12. Use care when operating unit on irregular surfaces such as stairs. A falling cleaner could cause bodily injury and/or mechanical damage. Proper storage of machine in an out-of-the-way area immediately after use will also prevent accidents caused by tripping over machine.
13. Store your Power Nozzle indoors in a cool, dry area not exposed to the weather to avoid electrical shock and/or machine damage.

FOLLOW INSTRUCTIONS EXACTLY!

NOTICE FROM MANUFACTURER TO PURCHASER

Do not lose or mislay the name and address of the independent dealer or distributor from whom you bought the Rainbow Power Nozzle. Look to him for advice on service and the nearest service outlet.

REXAIR, INC. manufactures the Rainbow Power Nozzle for sale to independent businessmen who set up their own, wholly independent businesses in their local communities. Rexair, Inc. limits its activities to manufacturing only.

KEEP IN CONTACT WITH YOUR INDEPENDENT DEALER OR DISTRIBUTOR

In case of loss of your independent dealer or distributor's name, if you will send us the serial number of the Nozzle you purchased, we will forward to you the name, address, and telephone number, as shown on our business records, of the independent distributor to whom we sold and shipped the Rainbow Power Nozzle.



UL Listing refers only to Model R-1650C

UL LISTED

AS ADVERTISED IN Better Homes and Gardens®

CSA Listing refers only to Model R-1650F

CSA

Rexair, Inc.

TROY, MICHIGAN

• • • • • SPECIAL NOTICE • • • • •

REXAIR, INC. manufactures only and chooses to distribute its product through independent businessmen (distributors) who in turn assume the responsibility for reselling the Rainbow Power Nozzle directly or indirectly to the consumer.

As a consumer you deal with the distributor. Any statement made by the Distributor or his dealer becomes part of the basis of the bargain made when you bought the Power Nozzle. The law holds that seller accountable for any statements of fact about the merchandise.

Even though we the manufacturer neither deal directly with you, the consumer, nor provide a written warranty, the law imposes certain responsibilities on all manufacturers who make consumer products. The products must be generally fit for their intended uses, and be free of defects. These implied warranties of merchantability and fitness run with the product, as provided by the law of your state.

RainVac

Rainbow Vacuum Specialists

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