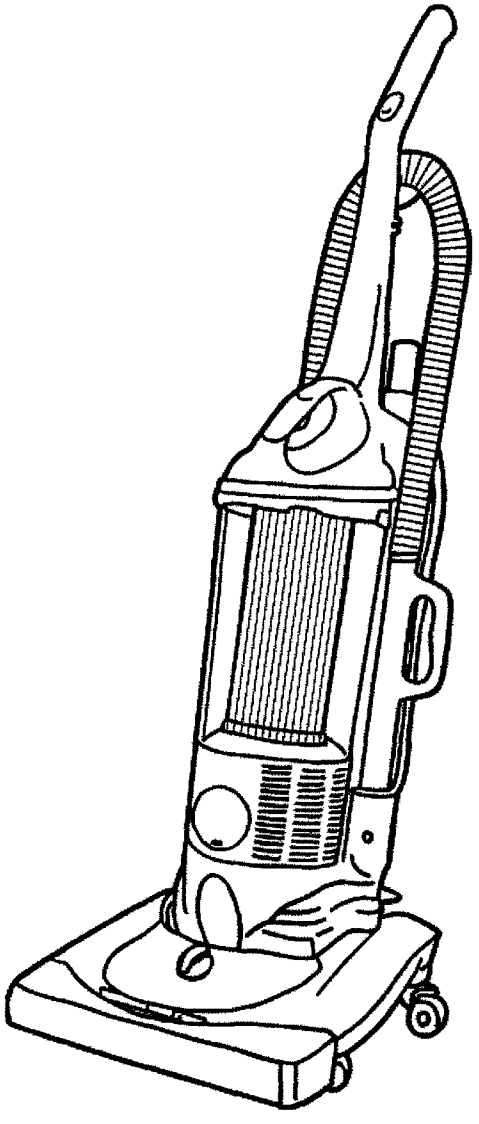
OWNER'S MANUAL

Operating and Servicing Instructions



- Please read these instructions carefully before using your cleaner.
- Let us help you put your cleaner together or answer any questions, call:

  1-800-321-1134 (USA & Canada)
  www.dirtdevil.com

For quick reference, please record your vacuum information below.

Model #: _____

Mfg. Code: _____

(Mfg. code located on the lower backside of cleaner)

⚠WARNING:

Cleaner assembly may include small parts. Small parts can present a choking hazard.

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4/02

Español - página E1

CONGRATULATIONS

You are now the proud owner of a Dirt Devil®. You'll never buy another bag again with the unique bagless design that includes a see-through dirt container for retrieving lost items. You'll also enjoy superior cleaning performance with 12 amps of Maximum Vacuum Power.

Allergen sufferers will benefit with the exclusive PERMA FILTER® with *CleanStream*™ Filtration located inside the dirt cup and HEPA exhaust filter that prevent over 99.97% of dust and allergens from escaping the vacuum and re-entering the room. Other features are included that make vacuuming easier such as the Swivel Casters™ for easy maneuvering, ready to use on-board toolsfor above floor cleaning and foot controls to reduce bending.

We are very proud of our products and hope that you are equally satisfied with their quality and performance.

Thank you for your support of Dirt Devil® products.
Visit our website at www.dirtdevil.com

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LIMITED WARRANTY

To the consumer, Royal Appliance Mfg. Co. warrants this vacuum cleaner to be free of defects in material or workmanship commencing upon the date of the original purchase. Refer to your vacuum cleaner carton for the length of warranty and save your original sales receipt to validate start of warranty period.

If the vacuum cleaner should become defective within the warranty period, we will repair or replace any defective parts free of charge. The complete machine must be delivered prepaid to any ROYAL® Authorized Sales & Warranty Service Station. Please include complete description of the problem, day of purchase, copy of original sales receipt and your name, address and telephone number. If you are not near a Warranty Station, call the factory for assistance in the USA & CANADA: 1-800-321-1134. Use only genuine Royal® replacement parts.

The warranty does not include unusual wear, damage resulting from accident or unreasonable use of the vacuum cleaner. This warranty does not cover brushes, belts, bags, filters, bulbs or fan damage. This warranty does not cover unauthorized repairs. This warranty gives you specific legal rights and you may also have other rights. (Other rights may vary from state to state in the USA).

THIS CLEANER IS INTENDED FOR HOUSEHOLD USE ONLY

IMPORTANT SAFETY INSTRUCTIONS

When you use an appliance, basic precautions should be followed, including the following:

- **READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.**
- **ALWAYS FOLLOW THESE SAFETY INSTRUCTIONS.**
- **BRING CLEANER TO UPRIGHT POSITION WHEN USING THE HOSE AND ATTACHMENTS.**
- **DO NOT LEAVE CLEANER UNATTENDED WHEN PLUGGED IN.**
- **REGULARLY CHECK THE FILTERS TO CLEAN OR REPLACE.**
- **WARNING: DO NOT USE SHARP OBJECTS TO CLEAN OUT THE HOSE SINCE THEY COULD CAUSE DAMAGE.**
- **WARNING: THE CORDS, WIRES AND/OR CABLES SUPPLIED WITH THIS PRODUCT CONTAINS CHEMICALS, INCLUDING LEAD OR LEAD COMPOUNDS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM . WASH HANDS AFTER USING.**

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

WARNING: TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR INJURY:

- Do not leave appliance when plugged in. Unplug from outlet when not in use and before servicing.
- Do not use outdoors or on wet surfaces. Electrical shock could occur.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Use only as described in this manual. Use only manufacturer's recommended attachments.
- Do not use with damaged cord or plug. If appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center for inspection. Call 1-800-321-1134 for the nearest service center.
- Do not pull or carry by cord, use cord as handle, close a door on cord, or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Do not handle plug or appliance with wet hands.
- Do not put any objects into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Do not use without dirt container and filters in place.
- Turn off all controls before unplugging.
- Use extra care when cleaning on stairs.
- Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Keep the vacuum cleaner on the floor. Only the hand-held vacuum cleaners may be set on furniture.
- Cleaner must be in the upright position to lift the rotating brush off the carpet when doing above floor cleaning.
- Do not use an extension cord with this vacuum cleaner.
- Store the vacuum cleaner indoors. Put the vacuum cleaner away after use to prevent tripping accidents.
- Using improper voltage may result in damage to the motor and possible injury to the user. Proper voltage is listed on the cleaner plate.

SAVE THESE INSTRUCTIONS

WARNING:

To reduce the risk of electric shock, this appliance has a polarized plug (one blade wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

FEATURES

Fig. 1

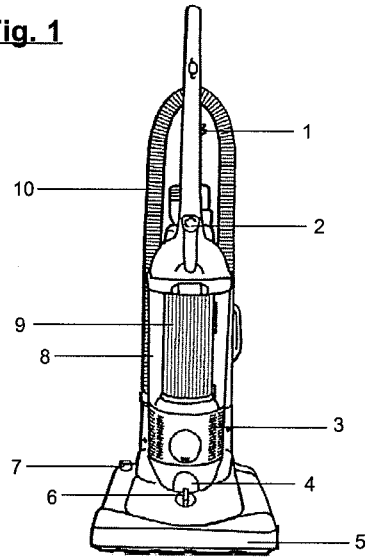


Fig. 2

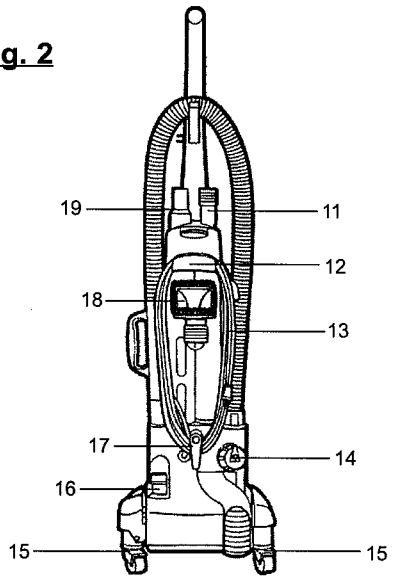


Fig. 1

1. **Cord Guide**
2. **Dirt Container Release Latch**
3. ***MicroFresh/*HEPA Filter**
4. **Headlight**
5. **Wrap Around Bumper**
6. **Carpet Height Adjust Knob**
7. **Handle Release Pedal**
8. **Dirt Container**
9. **PERMA FILTER® with *CleanStream*™ Filtration**
10. **Hose**

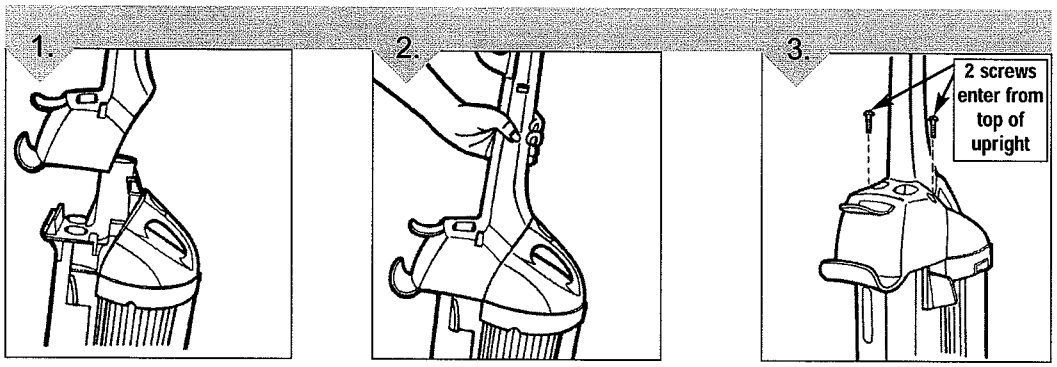
Not available on all models

Fig. 2

11. **Crevice Tool**
12. **Carrying Handle/Upper Cord Wrap**
13. **Long Power Cord**
14. **Carpet/Hose Selector**
15. **Swivel Casters™**
16. **On/Off Pedal**
17. **Cord Wrap with Quick Cord Release**
18. **2-in-1 Tool-Dust Brush/Upholstery Tool**
19. **Telescopic Wand**

HOW TO ASSEMBLE

TOOL REQUIRED: PHILLIPS SCREWDRIVER

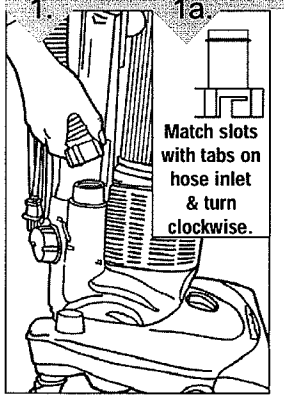


Stand unit in upright position and place upper handle onto upright.

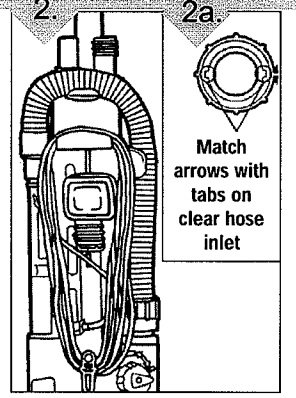
Push upper handle onto upright, aligning upper handle with handle opening.

TWO screws (supplied) enter from top of upright to secure handle.

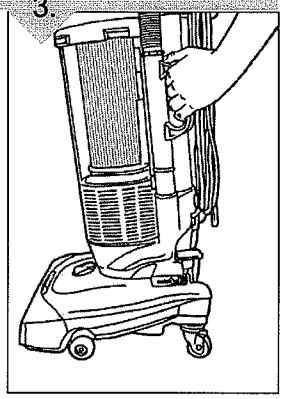
HOW TO OPERATE



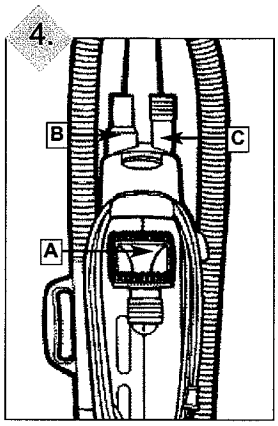
Attach the flexible hose to the cleaner. Match the slots on the hose to the tabs on the hose inlet (1a). Push down firmly on the cuff and turn clockwise.



ATTACH HOSE: Attach the flexible hose to the cleaner (Diagram 2). Match the arrows on the hose to the tabs on the clear hose inlet (Diagram 2a). Push down firmly on the cuff and turn clockwise.

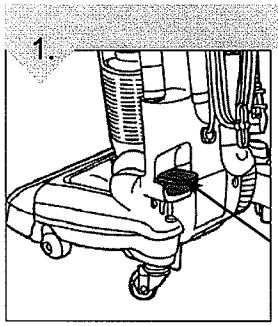


Insert the wand into the side of the cleaner. Press down firmly to secure.

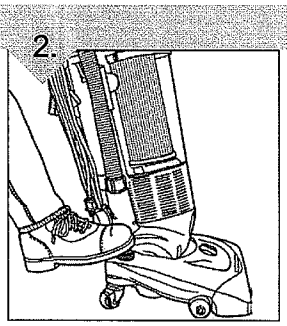


(A) Slide 2-in-1 tool onto tool clip on the back panel with bristles facing out. (B) Slide the telescopic wand, small end down, into the round slot behind handle. (C) Slip crevice tool into square slot behind handle.

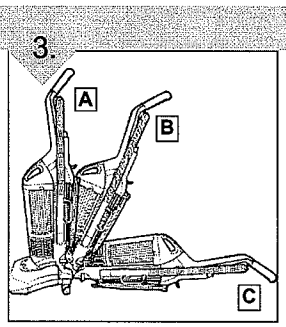
HOW TO OPERATE



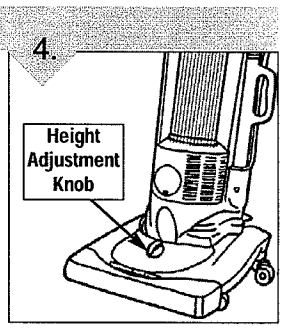
Plug cord into electrical outlet. Turn cleaner "on" by pressing power pedal located on the left back side of unit.



To release handle, push pedal down with foot. Use cord guide to store cord out of way while vacuuming.



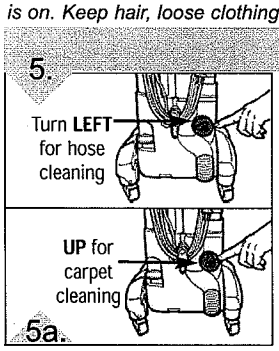
Move the handle and adjust it to the desired position for (A) storing the upright, (B) operating the cleaner, and (C) depress the handle release pedal again to clean under furniture.



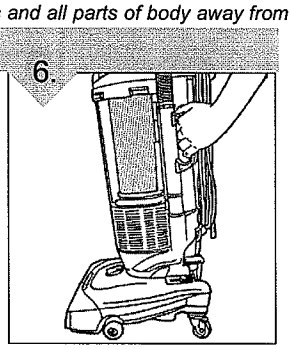
Handle should be in the upright position before adjusting the carpet setting. Turn height adjustment knob to match the surface being cleaned. Once height is selected the nozzle will go to the correct position. **NOTE:** *Rotating brush could cause area rug fringe to become tangled within cleaner. Use caution when vacuuming throw rugs with fringe.*

ABOVE FLOOR CLEANING

CAUTION: *Brush agitator continues to rotate while hose is removed or in use at all times while cleaner is on. Keep hair, loose clothing, fingers and all parts of body away from brush area while cleaner is on.*



Pull and turn the carpet hose selector ***counterclockwise*** (5) to use the hose and ***clockwise*** to clean carpets (5a). Pull and turn the selector to the desired position ***BEFORE*** proceeding to clean.

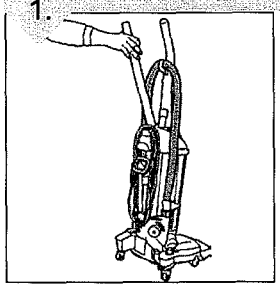


Cleaner must be in the upright position to lift the rotating brush off the carpet when cleaning above the floor. Put cleaner in its upright position. Remove hose from the side of the cleaner using the handle.

HOW TO OPERATE cont.

TELESCOPIC WAND

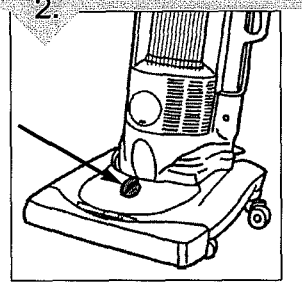
1.



Remove wand from cleaner by pulling out at the top. Twist and pull wand apart for extra length, as described on wand. Twist again to lock.

CARPET SETTINGS

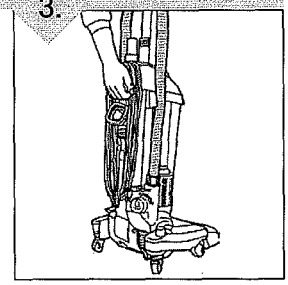
2.



IMPORTANT: *Put handle in the upright position before adjusting the carpet setting.* Adjust knob on nozzle to match the surface being cleaned. If the cleaner is difficult to push, adjust to a higher carpet setting.

TRANSPORTING CLEANER

3.

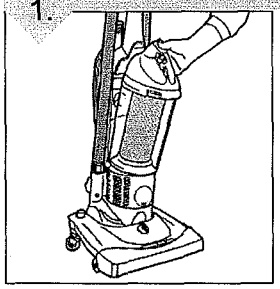


Use the carrying handle on the back of the cleaner to move cleaner from room to room.
NOTE: *Do not push cleaner forward while leaning on back casters. Do not pull cleaner on back casters.*

DIRT CONTAINER : REMOVAL AND REPLACEMENT

RELEASE DIRT CONTAINER

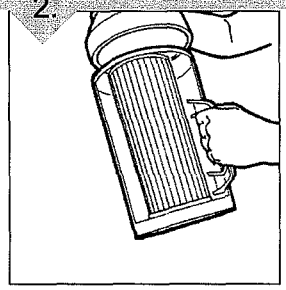
1.



Depress latch to remove dirt container from cleaner.

REMOVE LID

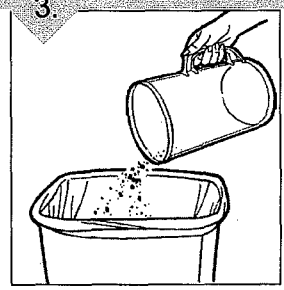
2.



Remove lid by grasping both handles and turning lid counterclockwise.

EMPTY

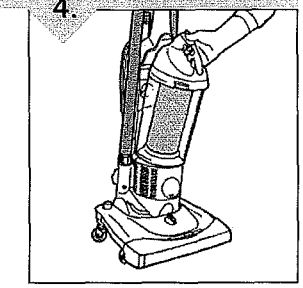
3.



Remove and clean the PERMA FILTER® with *CleanStream*™ Filtration (see instructions below). Empty dirt container. Use a sponge and lukewarm water to wipe dirt container clean. Dry cup before returning.

REPLACE DIRT CONTAINER

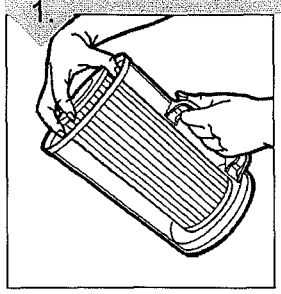
4.



Set aligning tab on bottom of dirt container into rectangular slot on the cleaner, and push to snap into place. If dirt container does not snap into place, check to make sure the lid and filter are secured properly.

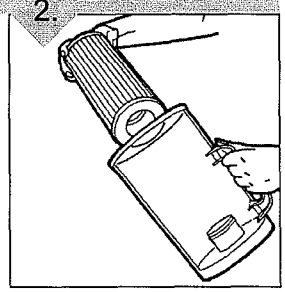
PERMA FILTER® : REMOVAL AND REPLACEMENT

1.



Hold dirt container, grasp top of filter, tw ist and firmly pull the filter up and out. Gently tap filter firmly against the inside of a trash can until dirt stops falling from filter.

2.



Return filter to dirt container. Push filter into place to prevent dirt leakage. Return dirt cup to cleaner.

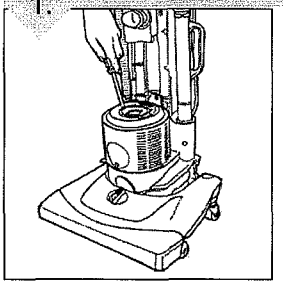
The PERMA FILTER® with *CleanStream*™ Filtration should not need to be replaced but should be cleaned every time the dirt container is emptied to maximize performance of the vacuum.
***Regular Maintenance:** Each time the dirt container is emptied, the filter should be cleaned. Gently tap the filter firmly against the inside of a trash can until dirt stops falling from the filter. (Filter will be discolored after use, this will not affect the filters performance.)
NOTE: *Do not brush the filter.*
*The cleaning instructions may vary depending on the dirt conditions. In some cases, more or less cleaning of the PERMA FILTER ® with *CleanStream*™ Filtration may be required.

HEPA FILTER REMOVAL & REPLACEMENT

For additional filtration, a HEPA media exhaust filter is located below the dirt cup. For best performance, replace filter yearly.
TOOL REQUIRED: PHILLIPS SCREWDRIVER
*HEPA filter part # 3-860057-000, is located below the dirt container.
*MicroFresh ™ filter part # 3-860090-000, is located below the dirt container.
NOTE: *Unplug cleaner before changing filter.*
NOTE: *For best performance, replace filter yearly.*
For *MicroFresh™ and *HEPA filter replacements call 1-800-321-1134 (USA & Canada).

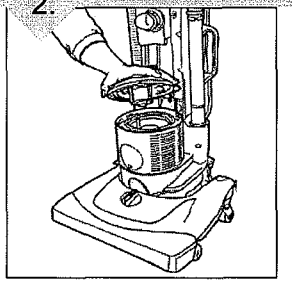
***HEPA FILTER** ***MICROFRESH™ FILTER**

1.



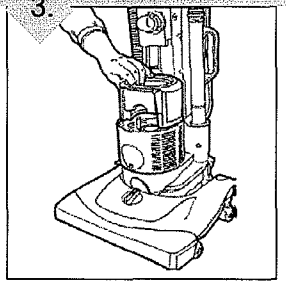
Remove dirt container. To remove the filter cover lid, use a Phillips screwdriver to remove the (1) screw.

2.



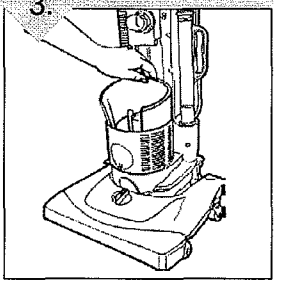
Pull filter cover lid up and away from cleaner.

3.



Grasp HEPA filter cartridge and pull out. **IMPORTANT:** *Do NOT clean with water.*
To replace: Insert HEPA filter into housing. Replace screw filter cover.

3.



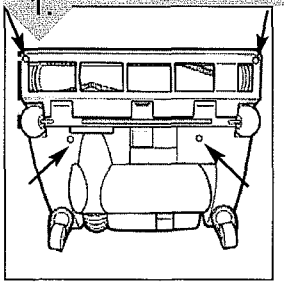
Grasp MicroFresh ™ filter and pull out. **IMPORTANT:** *Do NOT clean with water.* To replace: Insert MicroFresh ™ filter into the channel of the housing. Replace filter cover and screw.

**Not available on all models*

BELT OR BRUSH REMOVAL & REPLACEMENT

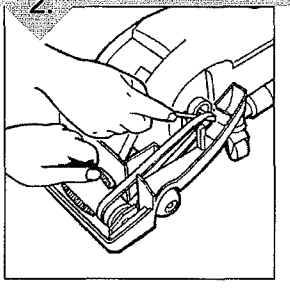
TOOL REQUIRED: PHILLIPS SCREWDRIVER
WARNING: TO REDUCE THE RISK OF INJURY FROM MOVING PARTS - UNPLUG CLEANER BEFORE CHANGING BELT OR BRUSHROLL.
BELT STORAGE: Stretch belt around hooks on back panel of upright (see page 4, figure 2 for belt storage location).
BELT STYLE: 4 & 5

1.



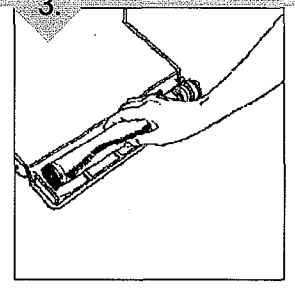
Flip cleaner to expose base. Base should lay flat and face up. To remove nozzle cover, use Phillips screwdriver to remove the four (4) screws. Arrows show location of screws.

2.



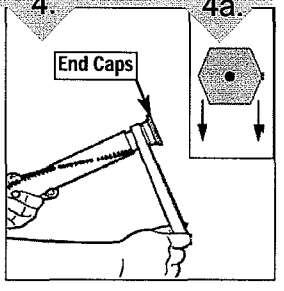
Flip cleaner back over and lift nozzle cover off. Slide belt off motor shaft.

3.



Lift and remove brushroll. Dispose of old belt.

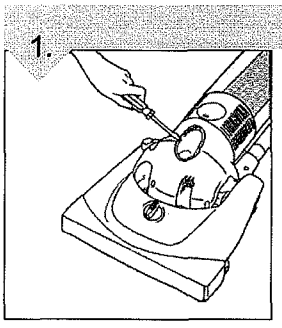
4. 4a.



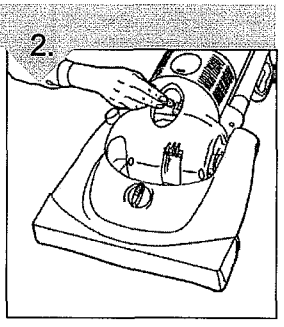
Place belt on motor shaft, then slip brushroll through belt. Place belt in area of brushroll without bristles. With belt in place, pull and slide brushroll into nozzle making sure that the brushroll end caps are in the correct orientation.
IMPORTANT: *Rotate brushroll manually to make sure belt is not twisted.* Reattach nozzle cover. Secure by p lacing the screws under the nozzle base.

LIGHTBULB REMOVAL & REPLACEMENT

TOOL REQUIRED: FLATHEAD SCREWDRIVER
WARNING: TO REDUCE THE RISK OF INJURY FROM MOVING PARTS - UNPLUG CLEANER BEFORE REMOVING OR REPLACING LIGHTBULB.



Lean cleaner handle back. Insert end of a standard (flat head) screwdriver into side slot and pry outward to pop headlight lens out.



Pull bulb out of socket to remove. Do not twist. Push bulb into socket to replace. Snap headlight lens panel back into place.

***This cleaner uses a common automotive lamp #906, 13.0 volts. For bulb replacement, call 1-800-321-1134 or your local auto parts store.**

TROUBLE SHOOTING GUIDE

WARNING: TO REDUCE RISK OF PERSONAL INJURY - UNPLUG CLEANER BEFORE SERVICING

Problem	Possible Reasons	Possible Solutions
Cleaner won't run	1. Power cord not firmly plugged into outlet. 2. Blown fuse or tripped breaker. 3. Needs service.	1. Plug cord in firmly. 2. Check fuse or breaker in your home. Replace fuse/reset breaker. 3. Take to service center or call 1-800-321-1 134.
Cleaner won't pick-up or low suction	1. Carpet/Hose Selector on wrong setting. 2. Dirt container not installed correctly. 3. Dirt container full. 4. Brushroll worn. 5. Broken or worn belt. 6. Clogged PERMA FILTER ®. 7. Nozzle/dirt passage hose clogged. 8. Carpet height setting is incorrect. 9. Hose inlet clogged.	1. Select proper setting carpet/hose - Pg. 5. 2. Review dirt container removal and replacement - Pg. 6. 3. Empty dirt container - Pg. 6. 4. Replace brushroll - Pg. 7. 5. Replace belt - Pg. 7. 6. Remove PERMA FILTER ® and clean - Pg. 6. 7. Remove base nozzle cover; remove obstruction OR Remove hose; remove obstruction. 8. Set carpet height adjustment to appropriate setting for carpet being cleaned - Pg. 5. 9. Remove hose and clean inlet.
Dust escaping from cleaner	1. Dirt container full. 2. Dirt container not installed correctly. 3. Hose not installed correctly.	1. Empty dirt container - Pg. 6. 2. Review dirt container removal and replacement - Pg. 6. 3. Review hose installation - Pg. 5.
Cleaner tools won't pick up	1. Carpet/Hose Selector on wrong setting. 2. Hose clogged. 3. Hose inlet clogged. 4. Dirt container full. 5. Clogged PERMA FILTER ®.	1. Select proper setting carpet/hose - Pg. 5. 2. Remove hose and tools; remove obstruction - Pg. 5. 3. Remove hose and clean inlet. 4. Empty dirt container - Pg. 6. 5. Remove PERMA FILTER ® and clean - Pg. 7.
Headlight not working	1. Bulb burnt out. 2. Loose electrical wires.	1. Replace bulb - Pg. 8. 2. Call 1- 800-321-1134 for nearest authorized Royal® Dealer.
Cleaner is difficult to push	1. Carpet height setting is incorrect.	1. Set carpet height adjustment to appropriate setting for carpet being cleaned - Pg. 5.

ANY OTHER SERVICING SHOULD BE DONE BY AN AUTHORIZED SERVICE REPRESENTATIVE

CUSTOMER SERVICE (1-800-321-1134)

In the event that further assistance is required, see your Yellow Pages for an authorized Royal ® Dealer. Costs of any transportation to and from any place of repair are to be paid by the owner. The service parts used in this unit are easily replaced and readi ly available from an authorized Royal ® Dealer or retailer. Always identify your cleaner by the model number and manufacturing code when requesting information or ordering replacement parts. (The model number appears on the back of the cleaner.)