



# OWNER'S MANUAL

Operating and Servicing Instructions

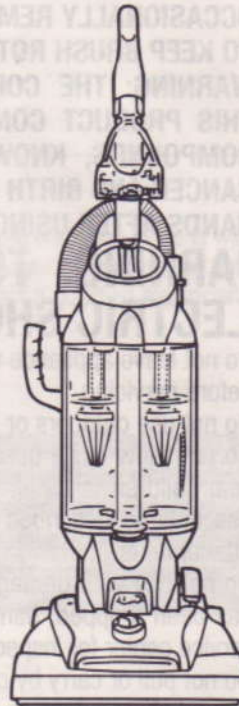
Find **GENUINE** Replacement Parts at  
[www.dirtdevil.com](http://www.dirtdevil.com)

This cleaner uses the following parts:

BELT STYLE	<b>5</b>
FILTER TYPE	<b>F13</b>

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

**1-800-321-1134**  
(USA & Canada)  
[www.dirtdevil.com](http://www.dirtdevil.com)



## **WARNING:**

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

### Warranty Registration

- Online at: [www.dirtdevil.com](http://www.dirtdevil.com)
- Mail: Royal Appliance Mfg  
7005 Cochran Rd.  
Glenwillow, Ohio 44139

For quick reference, please record your vacuum information below.

Model #: \_\_\_\_\_  
Mfg. Code: \_\_\_\_\_  
(Mfg. code located on the lower backside of cleaner)

**Español - página E1**

©2006 All rights reserved # 1-113083-000  
11/06

**THIS VACUUM CLEANER IS INTENDED FOR HOUSEHOLD USE ONLY.**

## **IMPORTANT SAFETY INSTRUCTIONS**

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

- **READ ALL INSTRUCTIONS BEFORE USING THIS 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.**
- **OCCASIONALLY REMOVE BRUSH AND CLEAN DEBRIS FROM END CAPS TO KEEP BRUSH ROTATING SMOOTHLY.**
- **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.**

### **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.
- Unplug before connecting Power Brush Tool.

## SAVE THESE INSTRUCTIONS

### WARNING:

To reduce the risk of electric shock, this appliance has a polarized plug (one blade is 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.

Your cleaner contains a thermal protective device to shut off the motor to avoid overheating. If this happens, turn switch off and unplug the cleaner. Inspect the exhaust, inlet, and filters for any blockage. Empty the dirt container and clean filters. After approximately 30 minutes the motor will have cooled and the vacuum will be ready to use. **NOTE:** *the cleaner must remain unplugged during the 30 minute cooling period.*

IMPORTANT: USE ONLY BENUINE ROYAL™ REPLACEMENT PARTS  
 NOTE: TO REGISTER YOUR PRODUCT, RETURN YOUR WARRANTY CARD OR REGISTER  
 ONLINE AT WWW.DIRTDEVIL.COM

## CONGRATULATIONS

You are now the proud owner of a Dirt Devil®. We trust your new purchase will bring you many years of satisfaction.

Our company has designed and developed this product with you in mind.

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](http://www.dirtdevil.com)

## TABLE OF CONTENTS

Safety Instructions . . . . .	Page 2, 3
Features . . . . .	Page 5
How to Assemble . . . . .	Page 6
How To Operate . . . . .	Page 7, 8
Floor/Carpet Cleaning . . . . .	Page 7
Above Floor Cleaning . . . . .	Page 7, 8
Dirt Container & Filter: Removal & Replacement . . . . .	Page 8, 9
Belt or Brush: Removal & Replacement . . . . .	Page 10
Lightbulb: Removal & Replacement . . . . .	Page 11
General Maintenance . . . . .	Page 11
Troubleshooting Guide . . . . .	Page 12

## 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 the data plate label on your vacuum cleaner 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 at 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, bags, flat belts, filters and bulbs. 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).

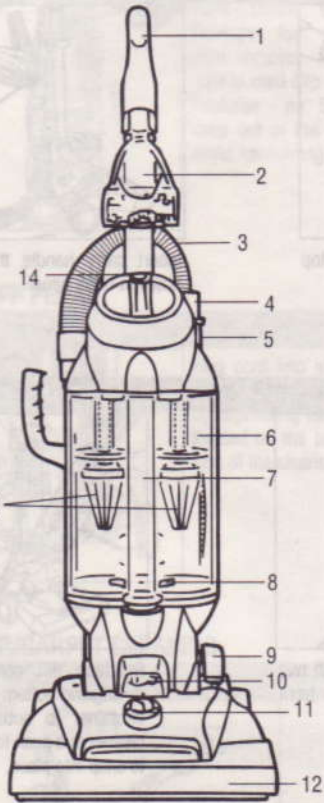
**IMPORTANT: USE ONLY GENUINE ROYAL® REPLACEMENT PARTS.**

**NOTE: TO REGISTER YOUR PRODUCT, RETURN YOUR WARRANTY CARD OR REGISTER ONLINE AT [WWW.DIRTDEVIL.COM](http://WWW.DIRTDEVIL.COM).**

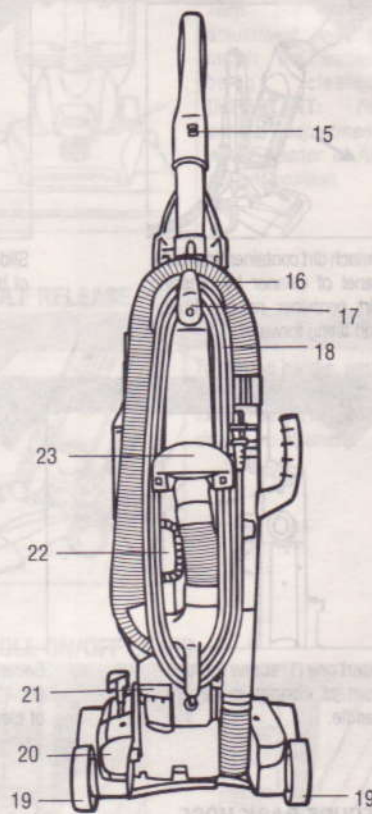


# FEATURES

**FRONT**



**BACK**



**FRONT**

1. Handle Grip
2. Power Brush Tool
3. Hose
4. Crevice Tool (inside extension wand)
5. Extension Wand
6. Dirt Container
7. Center Dirt Path
8. Clean Release Empty Button
9. Brushroll ON/OFF Lever
10. Headlight
11. Height Adjust Knob
12. Bumper
13. Air Directors
14. Dirt Container Release Button

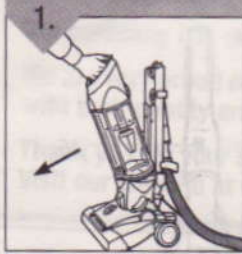
**BACK**

15. Cord Clip
16. Hose Guide
17. Cord Wrap With Quick Cord Release
18. Long Power Cord
19. Wheels
20. Handle Release Pedal
21. On/Off Pedal
22. Dust Brush
23. Carry Handle

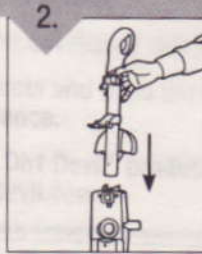
# HOW TO ASSEMBLE

TOOL REQUIRED: PHILLIPS SCREWDRIVER

## HANDLE ASSEMBLY



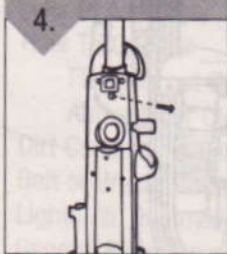
1. Detach dirt container from back panel of cleaner by pressing dirt container release button and tilting forward.



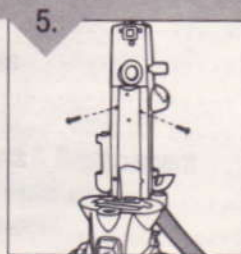
2. Slide handle through top of back panel.



3. Insert carry handle through holes in back panel.



4. Insert one (1) screw through front of cleaner to secure handle.

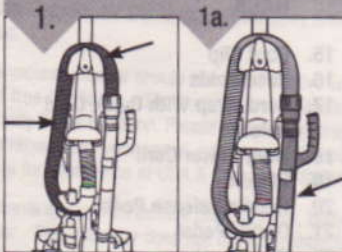


5. Secure carry handle with two (2) 1" screws through front of cleaner.



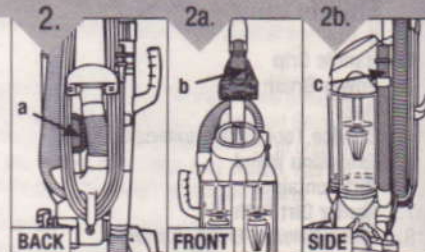
6. Reattach dirt container by aligning bottom of dirt container to bottom of cleaner and push forward to snap into place.

## SECURE BACK HOSE



1. Wrap hose around back of hose caddy (Diagram 1). Push hose wand down into the right side of cleaner (Diagram 1a).

## TOOL STORAGE

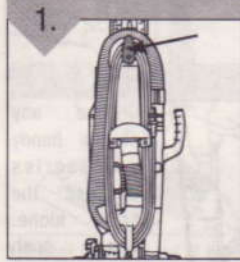


2. Attach tools: (a) Slide the dust brush onto post on the lower tool caddy with bristles facing out (Diagram 2). (b) Clip Power Brush Tool into the power brush tool caddy on the front of the handle (Diagram 2a). (c) Slide the extension wand/crevice tool into round slot on the left side of cleaner (Diagram 2b).



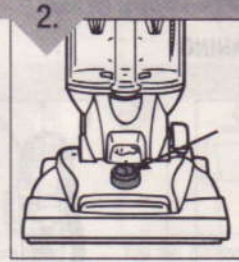
# HOW TO OPERATE

## CORD RELEASE



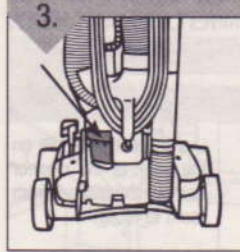
1. Turn Quick Cord Release for easy cord removal. Store cord in cord clip (see Features - pg. 5) to keep out of the way while vacuuming.

## HEIGHT ADJUST LEVER



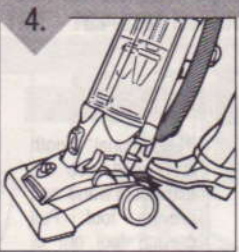
2. Turn the height adjustment knob to match the surface being cleaned. **IMPORTANT:** For easiest adjustment, place cleaner in full upright position.

## ON/OFF PEDAL



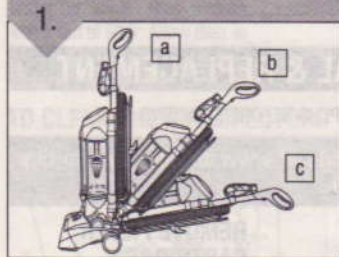
3. Plug cord into electrical outlet. Turn cleaner on by depressing foot pedal located on the back left side of the cleaner.

## HANDLE RELEASE PEDAL



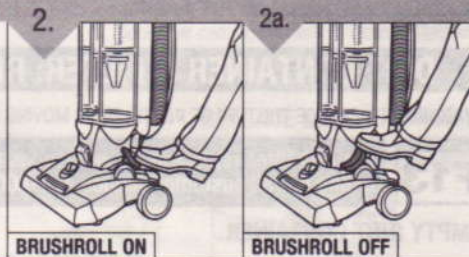
4. To release handle, push the handle release pedal located on the lower left side of the cleaner.

## FLOOR/CARPET CLEANING



1. Move the handle and adjust it to the desired position for (a) storing the upright, (b) operating the cleaner, and (c) de-press the handle release pedal again to clean under furniture. **NOTE:** Rotating brush could cause area rug fringe to become tangled within cleaner. Use caution when vacuuming throw rugs with fringe.

## BRUSHROLL ON/OFF LEVER



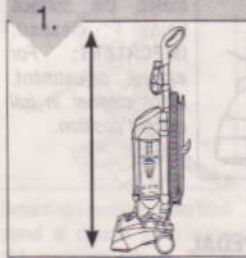
2. **For carpets:** Slide the brushroll lever backwards to the ON position. **For bare floors:** Slide the brushroll lever forward to the OFF position.

## HOW TO OPERATE: CONTINUED

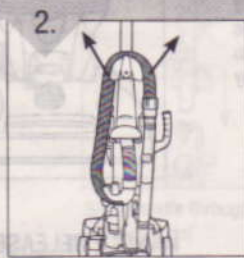
**CAUTION:** Brush agitator continues to rotate while hose is removed or in use and at all times while brushroll switch is in the ON position.

**NOTE:** Switch brushroll OFF when using the hose.

### ABOVE FLOOR CLEANING



1. Cleaner must be in its upright position to raise brushroll.



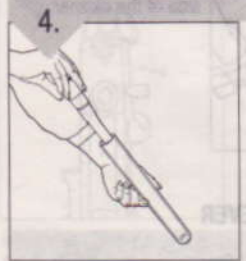
2. Remove the hose from the tool caddy.



3. Choose any of the handy accessories or use the hose alone. Simply push the attachment firmly onto the end of the wand or hose handle. To remove tool, twist and pull apart gently.

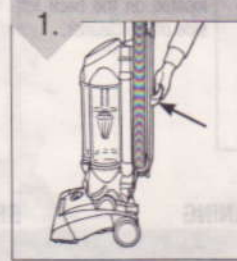
Choose any of the handy accessories or use the hose alone. Simply push the attachment firmly onto the end of the wand or hose handle. To remove tool, twist and pull apart gently.

### EXTENSION WAND



4. If additional length is needed, use the extension wand and crevice tool. Pull crevice tool out of extension wand. Use extension wand and crevice tool together or separately.

### CARRY HANDLE



1. Use the carry handle on the back of the cleaner to move the cleaner from room to room.

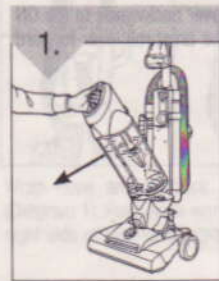
## DIRT CONTAINER & FILTER: REMOVAL & REPLACEMENT

**WARNING:** TO REDUCE THE RISK OF INJURY FROM MOVING PARTS - UNPLUG BEFORE SERVICING.

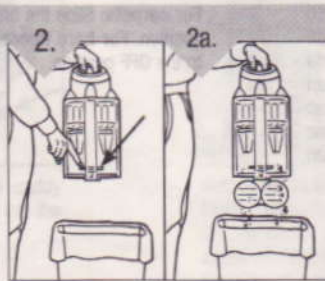
FILTER TYPE  
**F13**

For F13 filter replacement, please visit our website at [www.dirtdevil.com](http://www.dirtdevil.com) to buy online or call customer service at 1-800-321-1134.

### EMPTY DIRT CONTAINER

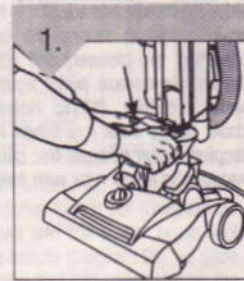


1. Press dirt container release button and remove dirt container from cleaner.



2. Hold dirt container over garbage can and press clean release dirt container button to empty. Snap dirt container bottom back into place after emptying.

### REMOVE FILTER CARTRIDGE



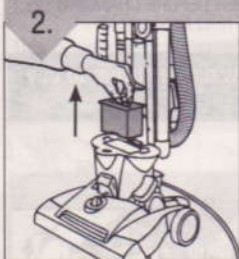
1. Click buttons on the base of the cleaner toward the outside edges to unlock filter cartridge.



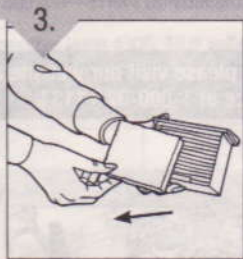
## DIRT CONTAINER & FILTER REMOVAL & REPLACEMENT: CONTINUED

### REMOVE FOAM FILTER

### CLEAN PLEATED FILTER



2. Lift filter cartridge out of base of cleaner.



3. Remove foam filter from filter cartridge.



4. Tap the pleated filter on the inside of a garbage can to remove excess dust and dirt from filter. If filter is still clogged, rinse under running water and allow to dry for at least 24 hours before replacing in cleaner.

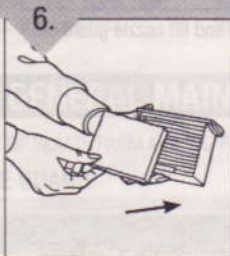
### WASH FOAM FILTER

### REPLACE FOAM FILTER

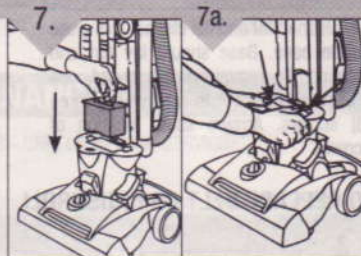
### REPLACE FILTER CARTRIDGE



5. Hold foam filter under running water to wash. Ring excess water out of filter. Allow filter to dry for at least 24 hours before replacing in filter cartridge.



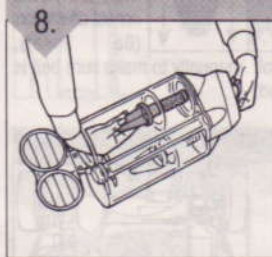
6. Return foam filter to filter cartridge.



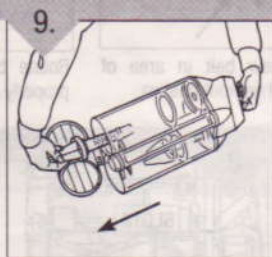
7. Return filter cartridge to base of cleaner (Diagram 7). Click buttons back into place to lock filter cartridge in base of cleaner (Diagram 7a).

### TO CLEAN THE AIR DIRECTORS

### REPLACE DIRT CONTAINER



8. To remove Air Directors, rotate 1/4 turn counterclockwise.



9. Pull out and wipe with a damp cloth to clean. Dry and return the Air Directors to the dirt container. Rotate 1/4 turn clockwise to lock in place.



10. Return dirt container to cleaner. Align slot on bottom of dirt container with tab on cleaner. Push to snap into place.

**\*REGULAR MAINTENANCE:** Each time the dirt container is emptied, the filter should be cleaned. Tap the filter firmly against the inside of a trash can until the dirt stops falling from the filter. (Filter will be discolored after use, this will not affect the filter's performance.) Do not brush the filter. The cleaning instructions may vary depending on the dirt conditions. In some cases, more or less cleaning of the filter may be required.

## BELT OR BRUSHROLL: REMOVAL & REPLACEMENT

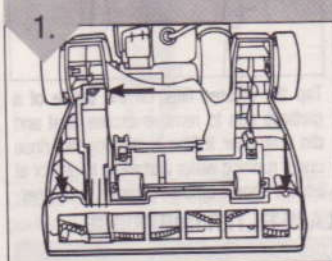
TOOL REQUIRED: PHILLIPS OR FLATHEAD SCREWDRIVER

**WARNING:** TO REDUCE THE RISK OF INJURY FROM MOVING PARTS - UNPLUG CLEANER BEFORE CHANGING BELT OR BRUSHROLL.

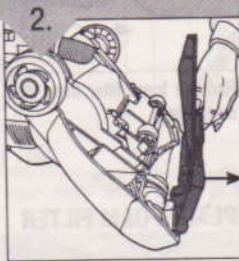
BELT STYLE  
**5**

For Belt Style 5 replacement, please visit our website at [www.dirtdevil.com](http://www.dirtdevil.com) to buy online or call customer service at 1-800-321-1134.

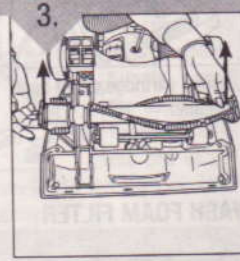
### TO REMOVE BELT



1. Lay cleaner flat and flip cleaner to expose nozzle base. Base should lay flat and face up. To remove nozzle guard, use Phillips screwdriver to remove the three (3) screws. Arrows show location of screws.

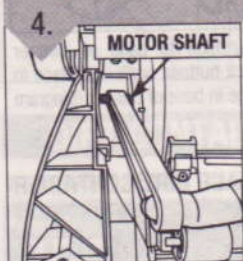


2. Pull and lift nozzle guard off.

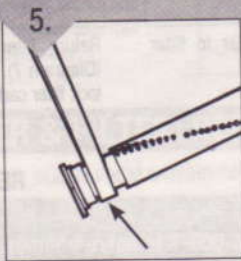


3. Lift and remove brushroll. Dispose of old belt.

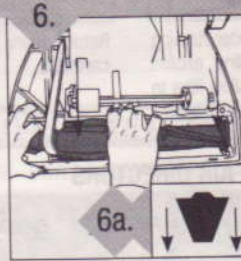
### TO REPLACE BELT OR BRUSHROLL



4. Slide belt onto motorshaft.

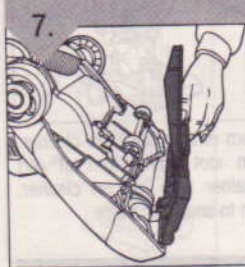


5. Place new belt in area of brushroll without bristles.

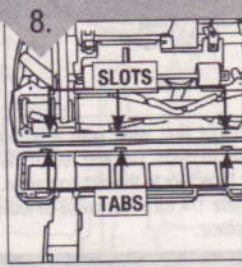


6. Rotate brushroll manually to make sure belt is properly aligned. (6a inset).

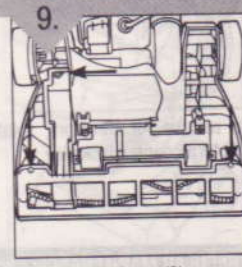
With new belt in place, pull and slide brushroll into nozzle making sure that the brushroll end caps are in the correct orientation (6a inset).



7. Reattach nozzle guard.



8. Secure by aligning the three (3) tabs in the base slots.



9. Replace all three (3) screws to secure nozzle guard.

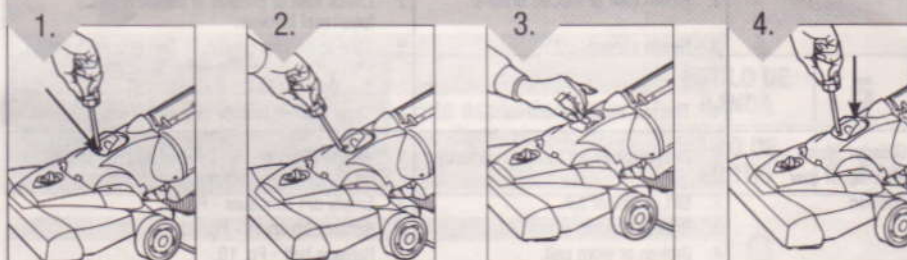


## LIGHTBULB: REMOVAL & REPLACEMENT

TOOL REQUIRED: FLATHEAD AND PHILLIPS SCREWDRIVER

**WARNING:** TO REDUCE THE RISK OF ELECTRIC SHOCK - UNPLUG CLEANER BEFORE REMOVING OR REPLACING LIGHTBULB.

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.



1. Lean cleaner handle back. Remove the one (1) screw.

2. Using the end of a Flathead screwdriver, gently pop open the lens. Remove lens.

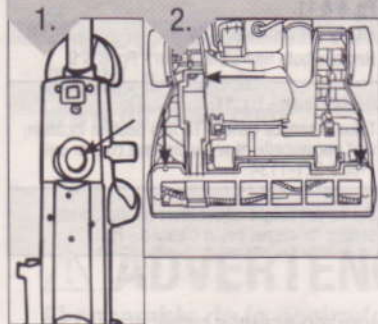
3. Pull bulb out of socket. Do NOT twist. Gently push bulb into socket to replace.

4. Snap lens back into place. Secure the headlight lens by replacing the one screw.

## GENERAL MAINTENANCE

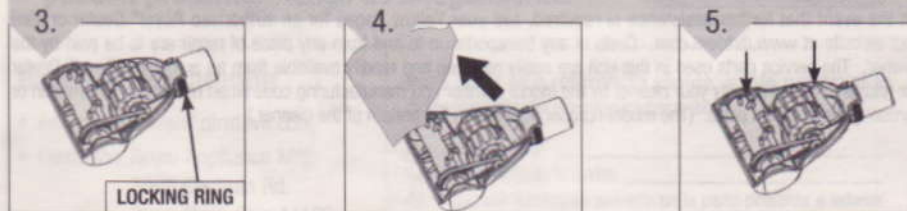
**WARNING:** TO REDUCE THE RISK OF INJURY FROM MOVING PARTS - UNPLUG BEFORE SERVICING.

### DEBRIS REMOVAL/NOZZLE GUARD



- Check to see if dirt container is full; empty if needed.
- Plug cleaner in and check to see if there is any suction at end of hose. If there is **suction** at end of hose, move on to Diagram 3. If there is **no suction** at the end of hose, follow these steps:
  1. Remove dirt container (Pg. 8) and check dirt container inlet located on cleaner (Diagram 1).
  2. Remove nozzle guard (see Diagram 2) by removing the three (3) screws. Remove obstruction.

### DEBRIS REMOVAL/POWER BRUSH TOOL



3. Rotate locking ring 180° and turn Power Brush Tool over.

4. Pivot lower housing and remove clog.

5. To reassemble, be sure tabs are engaged. Pivot the lower housing closed.

## TROUBLESHOOTING GUIDE

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

PROBLEM	POSSIBLE REASON	POSSIBLE SOLUTION
<b>Cleaner won't run</b>	1. Power cord not firmly plugged into outlet.	1. Plug unit in firmly.
	2. Blown fuse or tripped breaker.	2. Check fuse or breaker in home. Replace fuse/reset breaker.
	3. Needs service.	3. Take to service center. To find nearest location, visit our website at <a href="http://www.dirtdevil.com">www.dirtdevil.com</a> or call 1-800-321-1134.
	4. Thermal Protector activated.	4. Allow cleaner to cool - Pg. 3.
<b>Cleaner won't pick-up or low suction</b>	1. Dirt container not installed correctly.	1. Review dirt container removal and replacement - Pg. 8 & 9.
	2. Dirt container full.	2. Empty dirt container - Pg. 8.
	3. Brushroll worn.	3. Replace brushroll - Pg. 10.
	4. Broken or worn belt.	4. Replace belt - Pg. 10.
	5. One or both filters are clogged.	5. Remove both filters and clean - Pg. 8 & 9.
	6. Nozzle/dirt passage clogged.	6. Open access door; remove obstruction - Pg. 11.
	7. Carpet height setting is incorrect.	7. Set carpet height adjustment to appropriate setting for carpet being cleaned - Pg. 7.
<b>Dust escaping from cleaner</b>	1. Dirt container full.	1. Empty dirt container - Pg. 8.
	2. Dirt container not installed correctly.	2. Review dirt container removal & replacement - Pg. 8 & 9.
	3. Hose not installed correctly.	3. Review hose installation - Pg. 6.
	4. Filter not installed completely.	4. Review filter removal & replacement - Pg. 8 & 9.
<b>Cleaner tools won't pick-up</b>	1. Hose clogged.	1. Remove hose and tools; remove obstruction - Pg. 6 & 11.
	2. Dirt container full.	2. Empty dirt container - Pg. 8.
	3. One or both filters are clogged.	3. Remove both filters and clean - Pg. 8 & 9.
<b>Headlight not working</b>	1. Bulb burnt out.	1. Replace bulb - Pg. 11.
	2. Loose electrical wires.	2. Take to service center. To find nearest location, visit our website at <a href="http://www.dirtdevil.com">www.dirtdevil.com</a> or call 1-800-321-1134.
<b>Cleaner is difficult to push or won't move forward</b>	1. Carpet height setting is incorrect.	1. Set carpet height adjust lever to appropriate setting for carpet being cleaned - Pg. 7.

### 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 or visit our website at [www.dirtdevil.com](http://www.dirtdevil.com). 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 readily 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 bottom of the cleaner.)