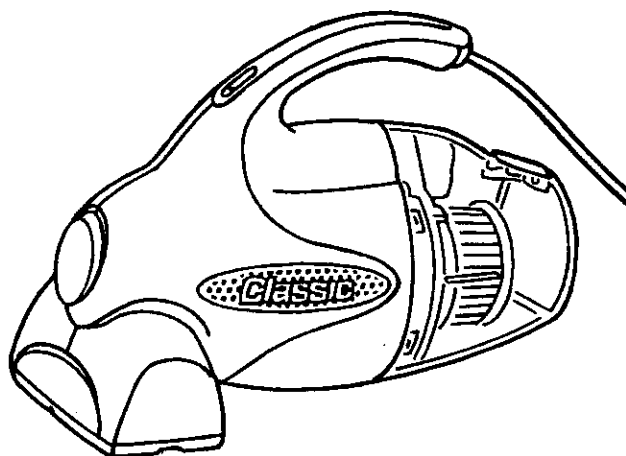




**OWNER'S MANUAL**  
Operating and Servicing  
Instructions

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

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



**Warranty Registration**

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

**⚠ WARNING:**  
Cleaner assembly may include small parts. Small parts can present a choking hazard.

For quick reference, please record your vacuum information below.

Model #: \_\_\_\_\_

Mfg. Code: \_\_\_\_\_

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

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

## **IMPORTANT SAFETY INSTRUCTIONS**

When using an electrical appliance, basic precautions should always be followed, including the following:

- **READ ALL INSTRUCTIONS BEFORE USING THIS APPLIANCE.**
- **ALWAYS FOLLOW THESE SAFETY INSTRUCTIONS.**
- **DO NOT LEAVE VACUUM CLEANER UNATTENDED.**
- **WARNING: FULLY ASSEMBLE VACUUM CLEANER BEFORE OPERATING.**
- **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.
- 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 handle plug or appliance with wet hands.
- Do not pull or carry by cord, use cord as a 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 put any object 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.
- Turn off all controls before unplugging.
- Use extra care when cleaning on stairs.
- Look on your vacuum cleaner and follow all label and marking instructions.
- Do not use an extension cord with this cleaner.
- Keep end of hose, wands and other openings away from your face and body. Keep your hands, feet, hair and clothing away from moving parts.

- Do not use the vacuum cleaner without dirt container and/or filter in place.
- Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches or hot ashes.

## 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 filter for any blockage. Empty the dirt container and clean filter. After approximately 30 minutes the motor will have cooled and the vacuum will be ready to use. **NOTE:** *The cleaner must remain unplugged and in the off position during the 30 minute cooling period.*

## 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)

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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.

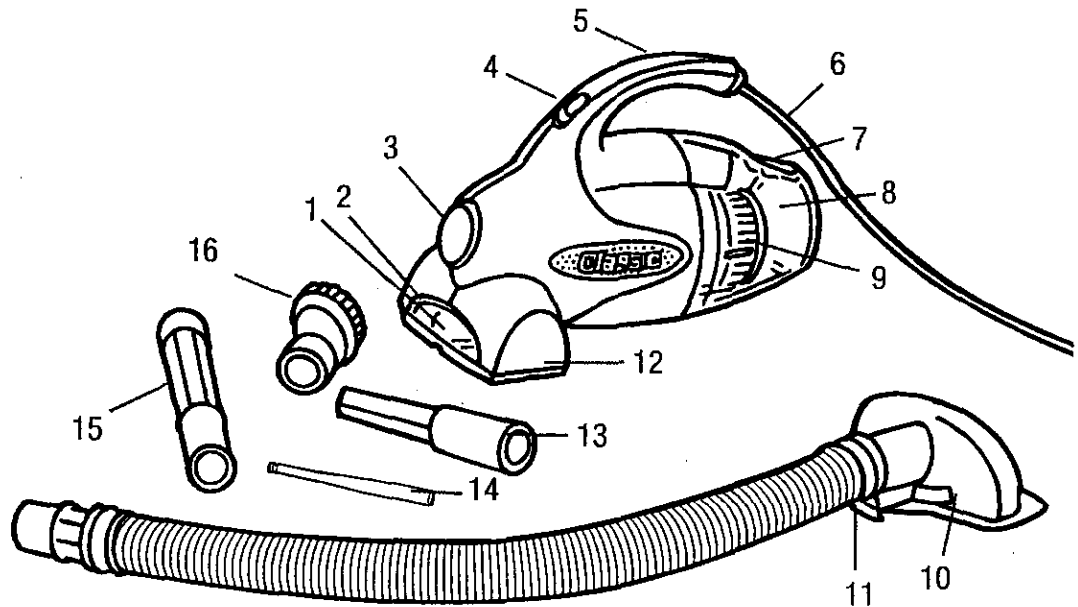
If the vacuum cleaner should become defective within the warranty period, we will repair or replace any defective parts free of charge. The complete machine must be delivered prepaid to any ROYAL® Authorized Sales & Warranty Service Station. Please include complete description of the problem, day of 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 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: RETURN WARRANTY CARD TO REGISTER YOUR CLEANER**

## FEATURES

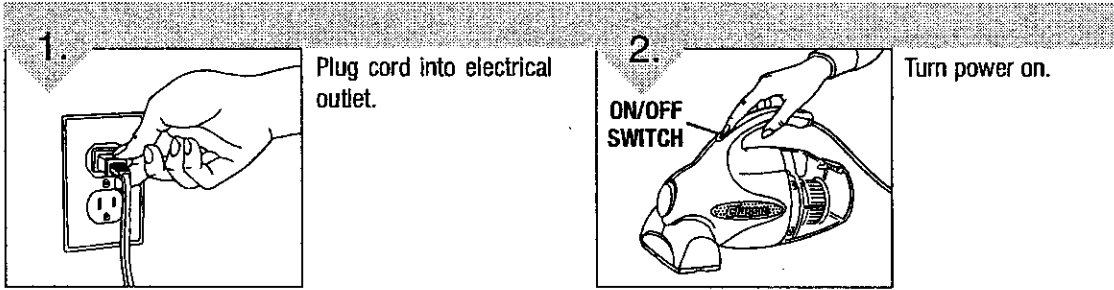


1. Brushroll Window
2. Revolving Brushroll
3. Belt Access Cover
4. On/Off Switch
5. Comfort Grip Handle
6. Power Cord
7. Dirt Cup Release Button
8. See Through Dirt Cup
9. Filter

10. Adaptor Plate/Hose
11. Adaptor Plate/Hose Release Button
12. Metal Nozzle Guard
13. Crevice Tool
14. Belt Lifter
15. Extension Wand
16. Dusting Brush

## HOW TO OPERATE

**CAUTION:** To avoid injury, particularly to face and head, keep hair, loose clothing, fingers, and all parts of the body away from the revolving brush.

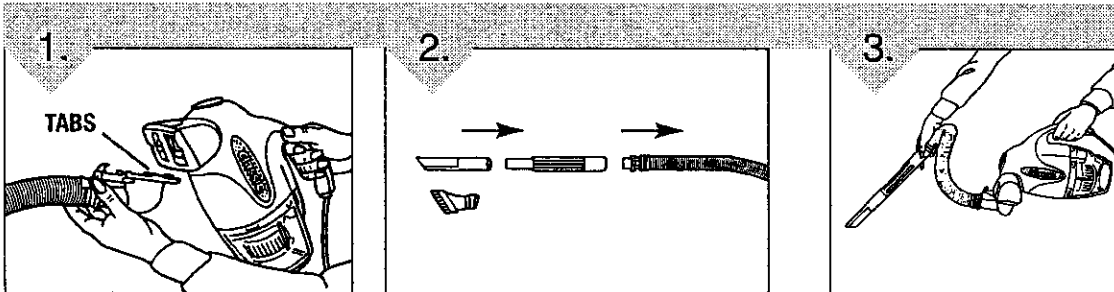


## ATTACHMENT USAGE

**NOTE:** Always turn off appliance before connecting or disconnecting attachments.

**CAUTION:** To avoid injury, particularly to face and head, keep hair, loose clothing, fingers, and all parts of the body away from the revolving brush.

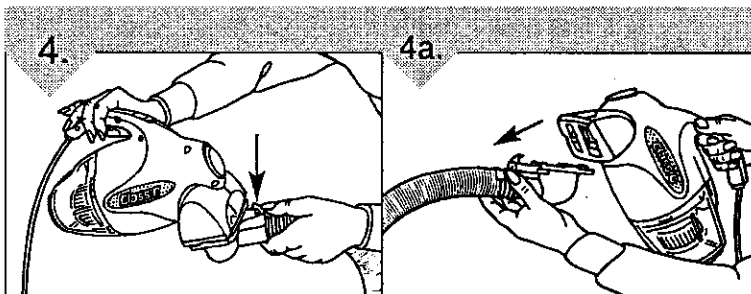
### TO USE ATTACHMENTS AND/OR HOSE



Connect adaptor plate/hose to metal nozzle guard by latching the two longer tabs on the adaptor plate with the rear of the nozzle guard. Pivot the adaptor plate/hose upward to latch the two smaller tabs on the adaptor plate with the front of the nozzle guard.

With adaptor plate/hose connected to the metal nozzle guard, select the appropriate tool or combination of tools to attach to the end of the hose.

Use the tools to clean tight corners and hard to reach spaces.



**NOTE:** To remove adaptor plate/hose, push in on the adaptor plate/hose release button while pivoting the adaptor plate down and away from the metal nozzle guard.

# DIRT CUP & FILTER: REMOVAL & REPLACEMENT

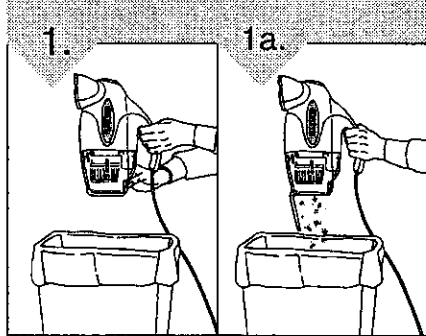
**WARNING:** TO REDUCE THE RISK OF INJURY FROM MOVING PARTS - UNPLUG BEFORE REMOVING OR REPLACING FILTER.

**NOTE:** For best performance, replace filter every 6 months to a year depending on use.

FILTER TYPE  
**F9**

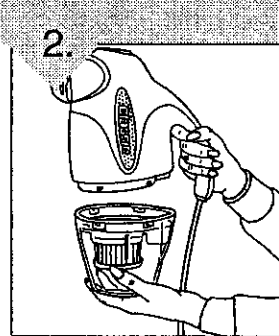
For F9 filter replacement, please call 1-800-321-1134 or visit our website at [www.dirtdevil.com](http://www.dirtdevil.com) to locate a dealer nearest you.

## EMPTY DIRT CUP

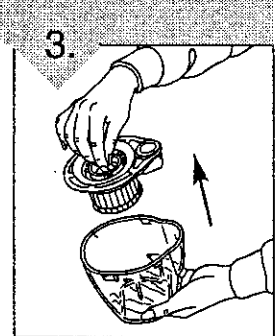


Hold unit as shown and press the dirt cup release button to empty contents into wastebasket. **NOTE:** For best results, periodically remove filter and tap against wastebasket to remove remaining dirt.

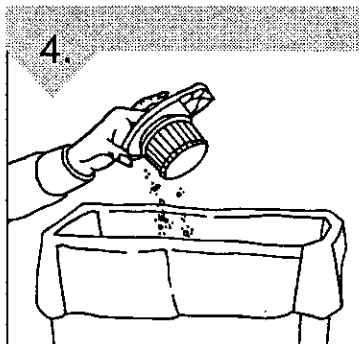
## CLEANING AND REPLACING FILTER



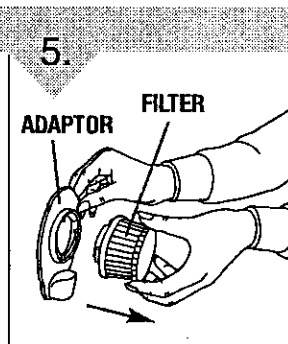
Remove dirt cup by twisting counterclockwise and pulling away from unit.



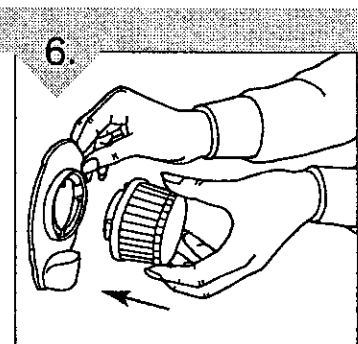
Grasp center tab on filter adaptor. Pull out of dirt cup to remove filter assembly.



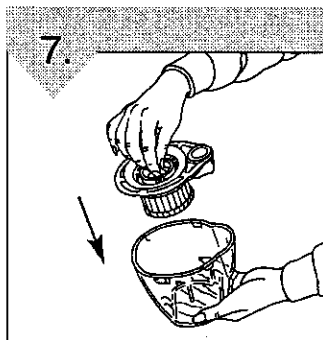
To clean, tap filter assembly against wastebasket to remove remaining dirt and then return filter assembly to dirt cup. If replacing filter, proceed to step 5.



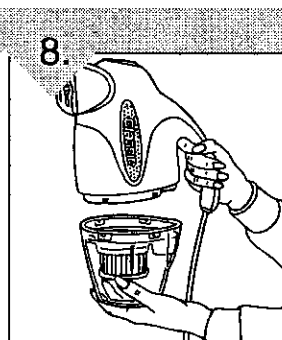
Twist old filter to remove from filter adaptor. **IMPORTANT:** DO NOT DISCARD FILTER ADAPTOR.



Twist and lock new filter into filter adaptor.



Return filter assembly to dirt cup.



Replace dirt cup by aligning tabs and twisting clockwise until it locks into place.

**\*FOR BEST PERFORMANCE:** Each time the dirt cup 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.

# BELT OR BRUSHROLL: REMOVAL & REPLACEMENT

TOOL REQUIRED: PHILLIPS SCREWDRIVER AND BELT LIFTER

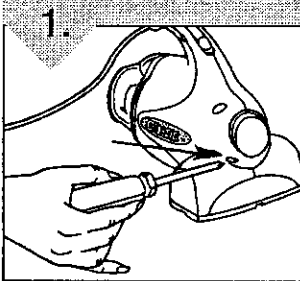
**WARNING:** TO REDUCE THE RISK OF INJURY FROM MOVING PARTS - UNPLUG BEFORE CHANGING BELT OR BRUSHROLL.

BELT STYLE

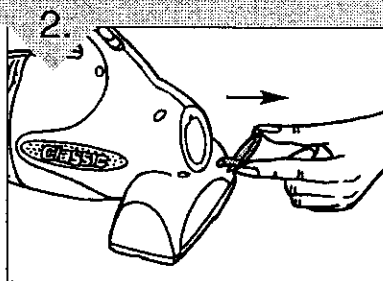
**17**

For Belt Style 17 replacements, please call 1-800-321-1134 or visit our website at [www.dirtdevil.com](http://www.dirtdevil.com) to locate a dealer nearest you.

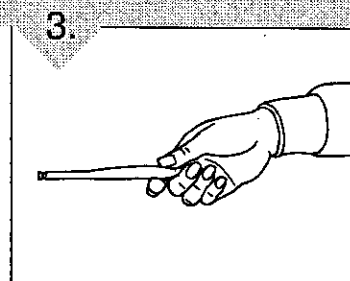
## TO REATTACH BELT



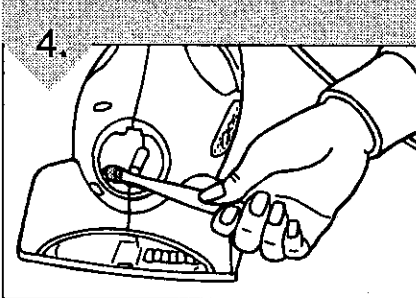
With the unit turned off and unplugged, use a phillips screwdriver to remove the belt door screw located above the brushroll window.



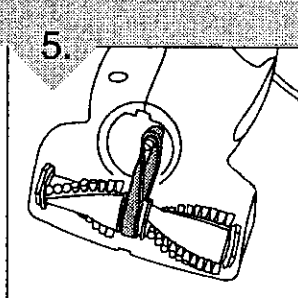
Slide the belt door down and angle out to remove from the unit.



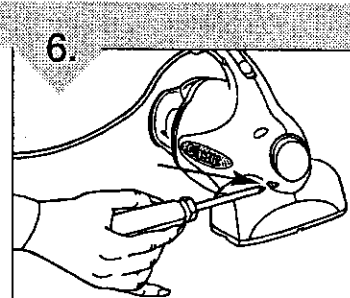
Use belt lifter and hold as shown.



Dip the belt lifter inside the belt access area and hook the belt around the lip of the belt lifter. Slip the belt onto the motor shaft until the belt lifter base meets the shaft. To ensure proper belt placement, gently turn belt lifter counterclockwise and remove. Make sure belt is on shaft.

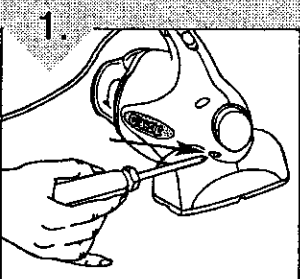


Belt should look like the illustration above. **IMPORTANT: THE BELT WILL COME OFF IF NOT PROPERLY INSTALLED.**

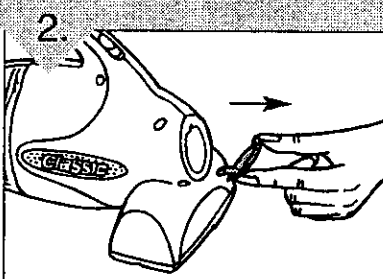


Attach belt door to unit and secure with screw.

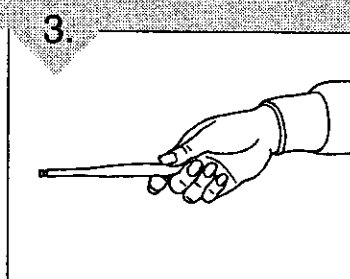
## TO REPLACE BROKEN/WORN BELT OR BRUSHROLL



With the unit turned off and unplugged, use a phillips screwdriver to remove the belt door screw located above the brushroll window.



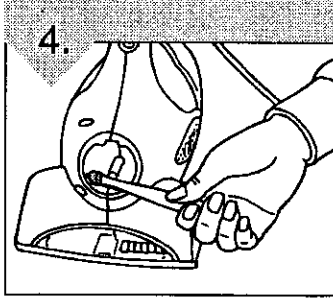
Slide the belt door down and angle out to remove from the unit.



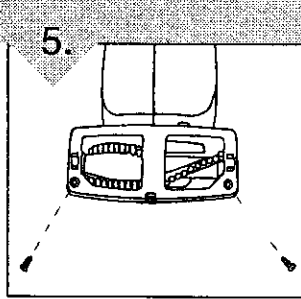
Use belt lifter and hold as shown.



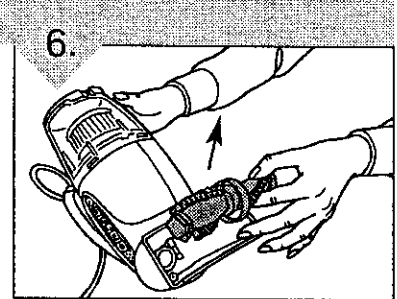
## BELT OR BRUSHROLL REMOVAL & REPLACEMENT: CONTINUED



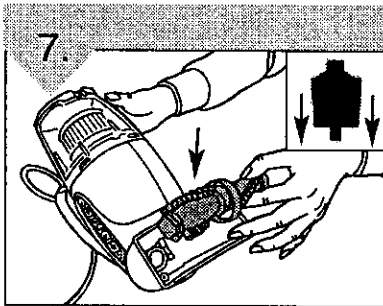
4. To remove the belt, hook the belt on the left side of the motor shaft, turn clockwise and pull the belt towards you to release.



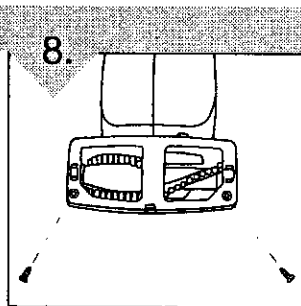
5. Remove screws on bottom of metal nozzle guard as shown.



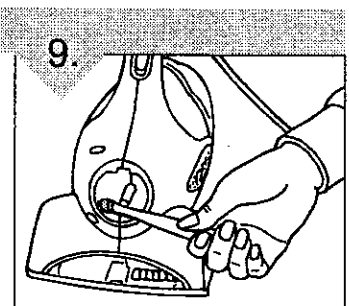
6. Remove metal nozzle guard and pull brushroll and belt straight out from unit.



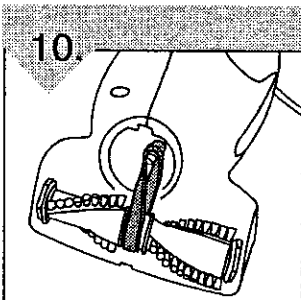
7. With the new belt properly located in the channel on the middle of the brushroll, slide the brushroll straight down into the unit. **NOTE:** Make sure the brushroll end caps align with the tabs inside the brushroll housing (see inset). Brushroll is not symmetrical, its orientation is important.



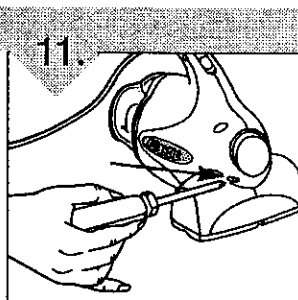
8. Attach the metal nozzle guard, ensuring that tab is engaged before securing with the screws.



9. Dip the belt lifter inside the belt access area and hook the belt around the lip of the belt lifter. Slip the belt onto the motor shaft until the belt lifter base meets the shaft. To ensure proper belt placement, gently turn belt lifter counterclockwise and remove. Make sure belt is on shaft.



10. Belt should look like the illustration above. **IMPORTANT:** THE BELT WILL COME OFF IF NOT PROPERLY INSTALLED.



11. Attach belt door to unit and secure with screw.

# 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. Replace fuse/reset breaker.
	3. Needs service.	3. Take to a Service Center or call 1-800-321-1134.
	4. Brushroll stalled or thermal protector is tripped.	4. Call customer service at 1-800-321-1134.
<b>Brushroll not rotating</b>	1. Belt has broken or has come off.	1. Replace or re-attach belt - Pg. 8 & 9.
<b>Cleaner won't pick up or low suction</b>	1. Dirt cup not installed correctly.	1. Review dirt cup removal & replacement - Pg. 7.
	2. Dirt cup is full.	2. Empty dirt cup - Pg. 7.
	3. Clogged filter.	3. Remove filter and clean - Pg. 7.
	4. Nozzle/dirt passage clogged.	4. Turn off and unplug; remove obstruction - Pg. 8 & 9.
	5. Brushroll worn.	5. Replace brushroll - take to a service center or call 1-800-321-1134 - Pg. 8 & 9.
	6. Belt broken or worn belt.	6. Replace belt - take to a service center or call 1-800-321-1134 - Pg. 8 & 9.
<b>Dust escaping from cleaner</b>	1. Dirt cup is full.	1. Empty dirt cup - Pg. 7.
	2. Dirt cup not installed correctly.	2. Review dirt cup removal & replacement - Pg. 7.
	3. Filter not installed correctly.	3. Review filter removal and replacement - Pg. 7.
<b>Cleaner tools won't pick up</b>	1. Hose clogged.	1. Remove hose and tools; remove obstruction - Pg. 6.
	2. Dirt cup is full.	2. Empty dirt cup - Pg. 7.
	3. Filter clogged.	3. Clean filter - 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. 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.)