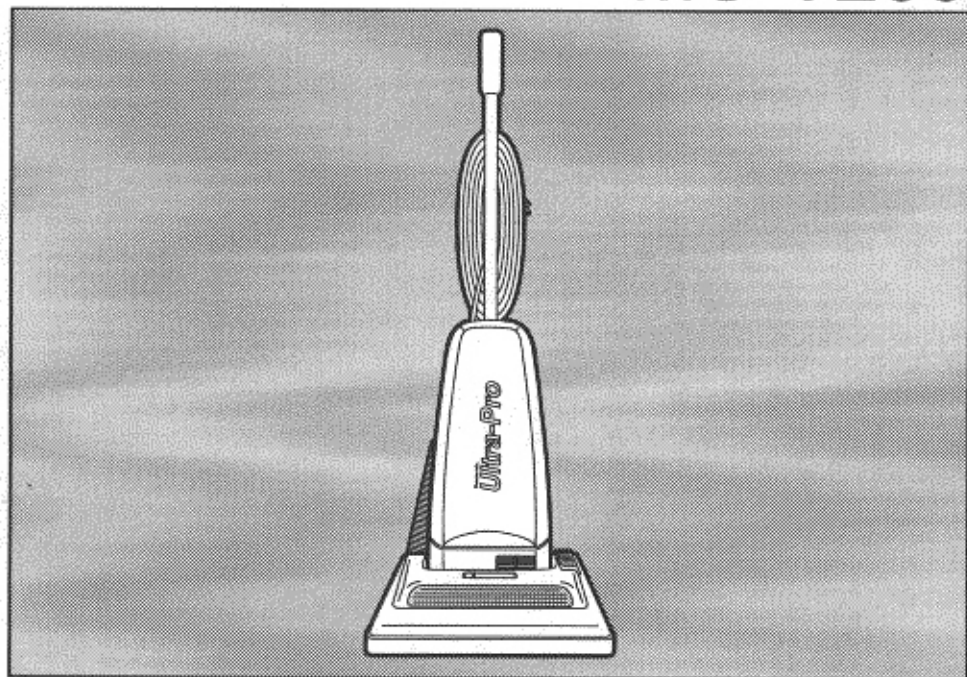


# Operating Instructions

## *Ultra-Pro*

COMMERCIAL VACUUM CLEANER  
**MC-V200**



**Panasonic®**

Before operating your vacuum cleaner, please read these instructions completely.

# CONSUMER INFORMATION

Please read **IMPORTANT SAFETY INSTRUCTIONS** on page 4 before use. Read and understand all instructions.

## TO OUR VALUED CUSTOMER

We are very pleased to welcome you to the Panasonic family of products. Thank you for purchasing this product. Our intent is that you become one of our many satisfied customers.

**Proper assembly and safe use of your vacuum cleaner are your responsibilities. The cleaner should be stored in a dry, indoor area. Read the Operating Instructions carefully for important use and safety information.**

**PLEASE PAY CLOSE ATTENTION TO THE WARNING AND CAUTION STATEMENTS THAT ARE FOUND THROUGHOUT THIS MANUAL.**



**WARNING**

**WARNING** statements are designed to alert you to the possibility of personal injury, loss of human life, and/or damage to the vacuum cleaner and/or personal property if the instructions given are not followed.



**CAUTION**

**CAUTION** statements are designed to alert you to the possibility of damage to the vacuum cleaner and/or personal property if the instructions given are not followed.



**WARNING**

### **TO AVOID ELECTRICAL SHOCK**

Never vacuum damp or wet surfaces or liquids.  
DO NOT store machine outdoors.  
Replace worn or frayed power cord immediately.

### **TO AVOID ACCIDENTS**

Except for hand-held cleaners, keep machine on floor - not chairs, tables, steps, stairs, etc.  
Store machine promptly after each use to prevent accidents such as tripping over power cord or machine.  
Use machine and accessories only in a manner intended by the manufacturer.  
The use of an extension cord is not recommended.

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# IMPORTANT SAFETY INSTRUCTIONS

When using vacuum cleaner, basic precautions should always be followed, including the following:

## READ ALL INSTRUCTIONS BEFORE USING THIS VACUUM CLEANER

### WARNING

To reduce the risk of fire, electrical shock, injury:

1. **DO NOT** leave vacuum cleaner when plugged in. Unplug from outlet when not in use and before servicing.
2. To reduce the risk of fire, electric shock - **DO NOT** use outdoors or on wet surfaces.
3. **DO NOT** allow to be used as a toy. Close attention is necessary when used by or near children.
4. Use only as described in this manual. Use only manufacturer's recommended attachments.
5. **DO NOT** use with damaged cord or plug. If vacuum cleaner is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to an authorized Panasonic Servicenter.
6. **DO NOT** pull or carry by cord, use cord as a handle, close door on cord, or pull cord around sharp edges or corners. **DO NOT** run vacuum cleaner over cord. Keep cord away from heated surfaces.
7. **DO NOT** unplug by pulling on cord. To unplug, grasp the plug, not the cord.
8. **DO NOT** handle plug or vacuum cleaner with wet hands.
9. **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.
10. Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
11. **DO NOT** pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
12. **DO NOT** use without dust bag and/or filters in place.
13. Turn off all controls before unplugging.
14. Use extra care when cleaning on stairs.
15. **DO NOT** use cleaner to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
16. Connect to a properly grounded outlet only. See "Grounding Instructions."

## SAVE THESE INSTRUCTIONS

# GROUNDING INSTRUCTIONS

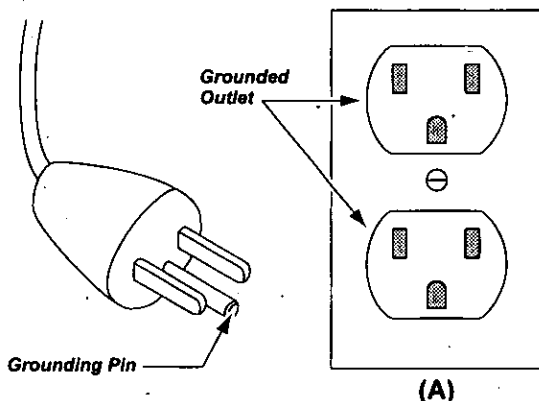
This vacuum cleaner must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This vacuum cleaner is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

## **DANGER**

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the vacuum cleaner – if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

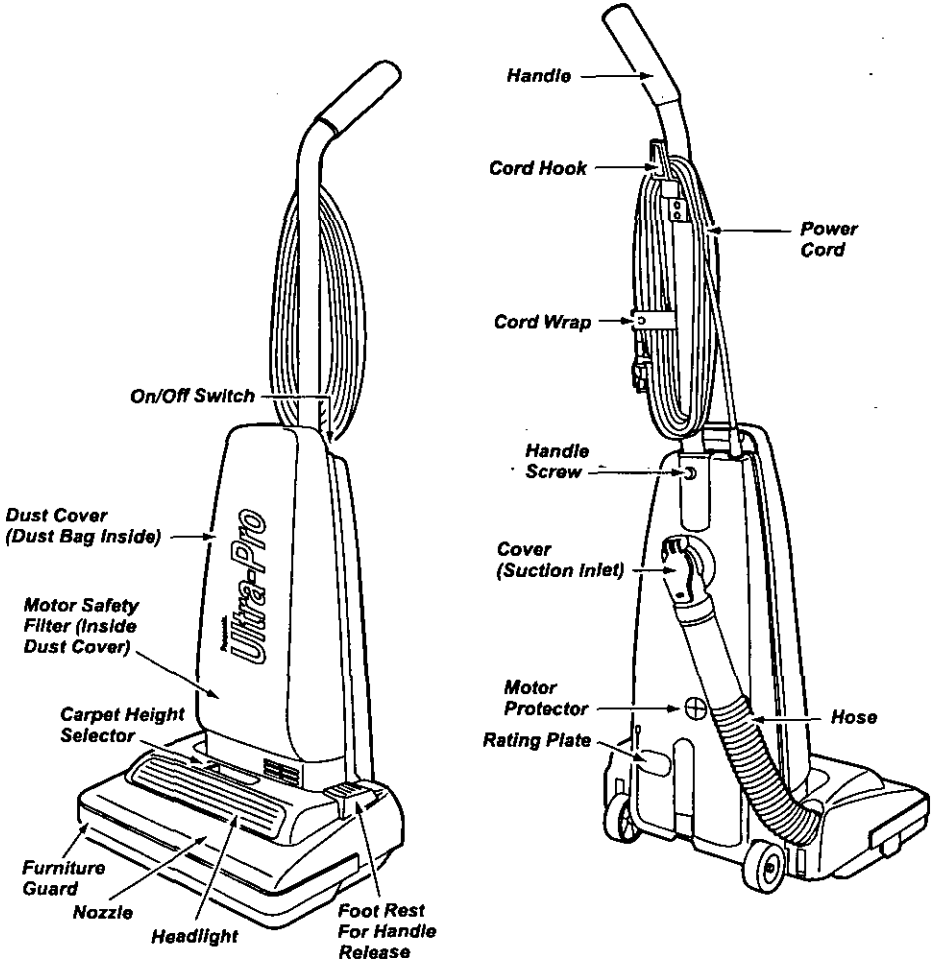
This vacuum cleaner is for use on a nominal 120-volt circuit, and has a grounding plug that looks like the plug illustrated in sketch A in the following Figure. Make sure that this vacuum cleaner is connected to an outlet having the same configuration as the plug.

No adapter should be used with this vacuum cleaner.



**Note:** Before you plug in your Panasonic vacuum cleaner, make sure that the voltage indicated on the rating plate located at the back of the vacuum cleaner is the same as your local supply.

# PARTS IDENTIFICATION



## FEATURE CHART

(PANASONIC UPRIGHT VACUUM CLEANER)

FEATURES	POWER	TOOLS -ON- BOARD	HEADLIGHT	CORD LENGTH	CARPET HEIGHT ADJUST	MOTOR PROTECTOR
Model						
MC-V200	120V. AC(60Hz) 10.0 Amps	No	Yes	50 Ft.	4 Position	Yes

# TO ASSEMBLE CLEANER



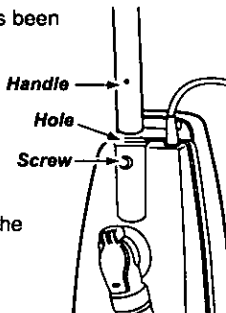
## **WARNING** *Electrical Shock Hazard*

**DO NOT plug into electrical supply until assembly is complete** Failure to do so could result in electrical shock or injury

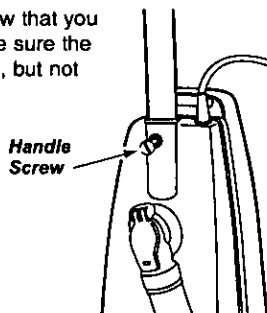
## ATTACHING HANDLE TO VACUUM CLEANER

The vacuum cleaner main body and handle are packed separately.

1 The handle screw has been installed for shipping purposes. Please remove the screw before inserting the handle. Insert the handle as shown in the illustration. Ensure that the cord hook is on the back side of the handle before inserting.

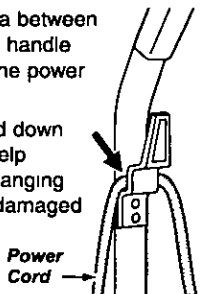


2 Insert the screw that you have removed. Be sure the screw is tightened, but not overtightened.

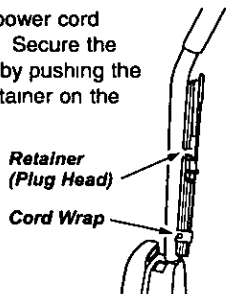


3 There is a recessed area between the cord hook base and the handle that is designed to secure the power cord during vacuuming.

Always push the power cord down into this recessed area to help keep the power cord from hanging near the nozzle and being damaged by the agitator.



4 Loosely wrap the power cord around the cord hook. Secure the plug head to the cord by pushing the power cord into the retainer on the plug head. Place the cord wrap around the bottom loop of the cord.



# ATTACHMENTS, Optional Accessories



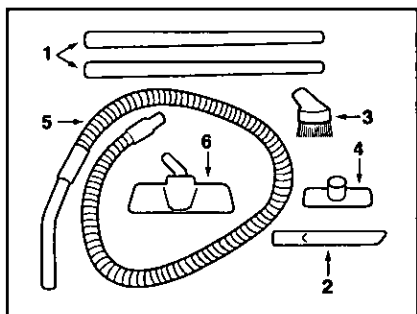
## CAUTION

**DO NOT** get the power cord caught under the nozzle when using the vacuum or attachments as it can be damaged by the agitator as it revolves.

The attachments for this unit are optional. For information on how to obtain these items consult the Servicenter list that is packaged with this manual or contact any authorized Panasonic vacuum cleaner dealer.

### DELUXE TOOL KIT

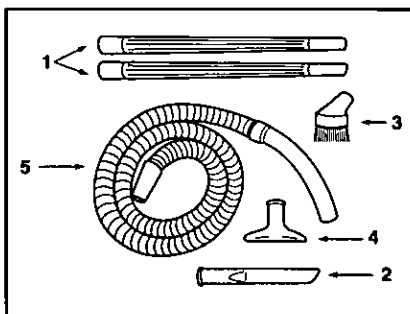
(MC-770AD)



1. Metal Extension Wand (2 pieces).
2. Crevice Tool.
3. Dusting Brush.
4. Upholstery Tool.
5. Hose Assembly (includes curved wand and grommet).
6. 3-Way Floor Nozzle.

### STANDARD TOOL KIT

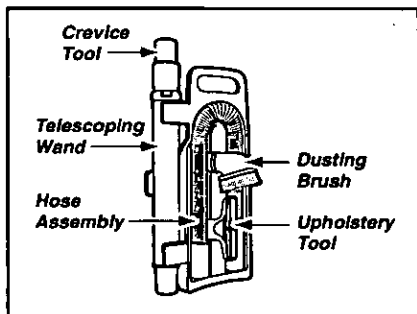
(MC-670AS/MC-680AS)



1. Plastic Extension Wand (2 pieces).
2. Crevice Tool.
3. Dusting Brush.
4. Upholstery Tool.
5. Hose Assembly (includes curved wand and grommet).

### SNAP ON TOOL KIT

(MC-880AD)



1. Telescoping Wand.
2. Crevice Tool.
3. Dusting Brush.
4. Upholstery Tool.
5. Hose Assembly.







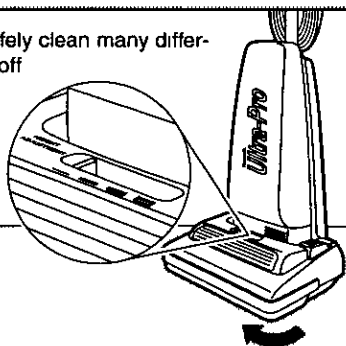
# SPECIAL FEATURES OF CLEANER

## CARPET HEIGHT SELECTOR

This feature allows for adjustments to efficiently and safely clean many different types of floors. To select a pile height setting, turn off cleaner and tilt back slightly then slide the adjustment lever to the desired setting.

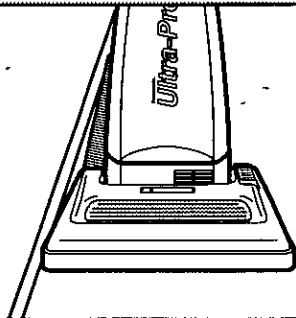
### SUGGESTED CARPET HEIGHT SETTINGS

-  shag carpet, long pile, plush, scatter rugs
-  medium to long pile
-  short to medium pile
-  very low pile



## EDGE CLEANING FEATURE

The edge cleaning feature provides for improved cleaning of carpets near walls and furniture.

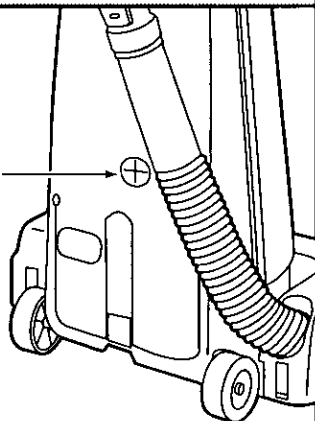


## MOTOR PROTECTOR

This vacuum has a motor protector by-pass valve which automatically opens to provide cooling air to the motor when a clog prevents the normal flow of air to the motor. The by-pass valve opens to prevent the motor from overheating and possibly causing damage to the vacuum. When open, a change of sound will be noticed as air rushes through the valve opening. If this occurs, turn the vacuum off and unplug the power cord from the outlet. Check for a full dust bag or clogs as described in the REMOVING CLOGS section.

The motor protector by-pass valve may open when using attachments or when cleaning new carpet, due to reduced air flow by the attachments themselves or by new carpet fuzz filling the bag quickly or a full dust bag.

Motor Protector



# TO OPERATE CLEANER

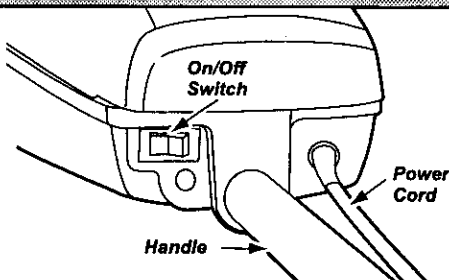


## CAUTION

**DO NOT use outlets above counters. Damage to items in the surrounding areas could occur. Be sure the switch is in the off position while plugging the cord in.**

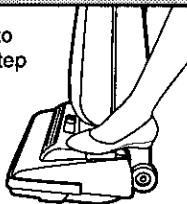
## ON/OFF SWITCH

1. Plug the power cord into a 120V outlet.
2. To start the vacuum cleaner, push the switch to the ON position.
3. To stop the vacuum cleaner, push the switch to the OFF position.



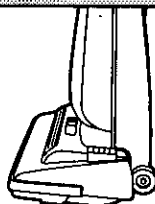
## HANDLE ADJUSTMENTS

The handle may be lowered to any position required. Just step on the handle release pedal as indicated by the illustration and lower the handle as desired.



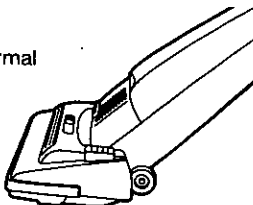
### 1. Upright position

The handle locks in this position for storage. The handle should always be in an upright position when the attachments are used.



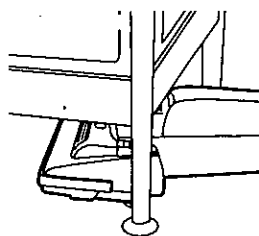
### 2. Middle position

This position is for normal cleaning.



### 3. Low position

This position is used for cleaning under furniture.





# WARNING

Personal Injury Hazard when Using Attachments.

**DO NOT** place hands or feet underneath the unit when using the attachment tools. The agitator begins to revolve rapidly when using attachments.

## ATTACHMENTS, Optional Accessories



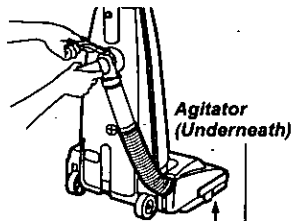
# CAUTION

When using the attachments, the agitator begins rotating. **DO NOT** allow the cleaner to remain in just one place for a period of time, as the agitator may damage the floor surface. Avoid placing the cleaner on furniture, the fringed area of rugs, deep pile carpeting, or carpeted stairs. The ideal position for the cleaner when using attachments is for the unit to be on a level area with the handle in the full upright position. See the **HANDLE ADJUSTMENTS** section.

### TO CONNECT OPTIONAL HOSE, ALL KITS

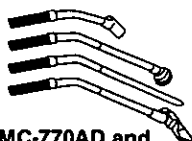
To connect the accessory hose to your vacuum cleaner, simply lift up the suction inlet cover located on the back of your cleaner and insert the hose end into the opening as illustrated. Be sure the hose is fitted snugly in the opening for proper operation.

**Note:** If the opening is dusty, first wipe with a clean cloth. Insert the tapered hose end fully and give it a slight twist for a snug fit.

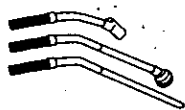


### TO CONNECT OPTIONAL CLEANING TOOLS

1. Connect any of the cleaning tools to the end of the extension wand/wands or directly to the hose assembly in the following manner. Push the cleaning tool onto the extension wand/wands or hose assembly and twist slightly for a firm connection. To remove the cleaning tool from the extension wand/wands or hose assembly, simply pull it apart.

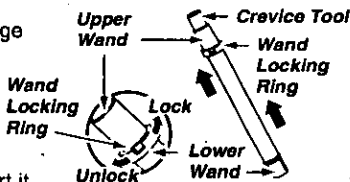


MC-770AD and MC-690AD

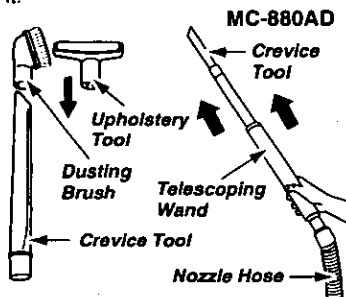


MC-670AS and MC-680AS

2. Remove the telescoping wand, MC-880AD, from its storage position. Remove the crevice tool from its storage position in the wand by pulling up. Turn the wand locking ring to the UNLOCK position. Extend the wand to its full length. Turn the wand locking ring to the LOCK position.



3. Attach the wand to the hose, twisting slightly as you insert it. To achieve the maximum reach, approximately 10 feet, with the attachments, add the crevice tool to the end of the wand. The dusting brush or the upholstery tool can be attached directly to the wand, hose, or to the end of the crevice tool. For the correct way to position the dusting brush or the upholstery tool see the illustration.



\*Always clean attachments before using on fabrics. Attachments used in dirty areas, such as under a refrigerator, should not be used on other surfaces until they are washed. They could leave marks. See the **CLEANING EXTERIOR AND ATTACHMENTS** section.

# ROUTINE CARE OF CLEANER

Performing the following tasks will keep your new Panasonic vacuum cleaner operating at peak performance levels and will ensure these high levels for years to come. Check the **BEFORE REQUESTING SERVICE** section in this manual for recommendations on performing some of these tasks to help solve various problems that may occur.



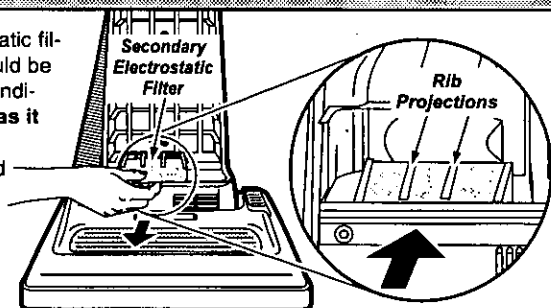
## WARNING

*Electrical Shock or Personal Injury Hazard.*

*Always disconnect electrical supply before performing any service and/or cleaning of the vacuum cleaner. Failure to do so could result in electrical shock or personal injury from cleaner suddenly starting. DO NOT operate the cleaner without the secondary filter. Be sure the secondary filter is properly installed. Failure to do so could result in motor failure.*

## REPLACING SECONDARY ELECTROSTATIC FILTER

The white and grey secondary electrostatic filter must be replaced when dirty. It should be replaced regularly depending on use conditions. **The filter CANNOT be washed as it will lose its dust trapping ability.** If the secondary electrostatic filter, located at the bottom of the bag cavity is dirty, remove it by pulling forward out from under the ribs. Replace the filter, white side up, by sliding it back into place under the ribs in the bag cavity.

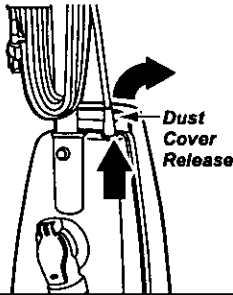


**\*This filter cannot be cleaned and should be replaced at least four times each year if the vacuum is used at least one hour each day.**

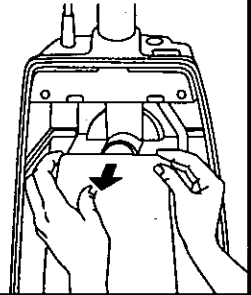
# CHANGING THE DUST BAG

Always operate the vacuum with a genuine Panasonic Type U3 Standard or U6 Electrostatic dust bag installed. Panasonic dust bags may be ordered through any authorized Panasonic dealer. An optional cloth bag is available.

1. Squeeze the dust cover release located on the top back of the bag cover. Pull the bag cover forward. Remove and lay aside.

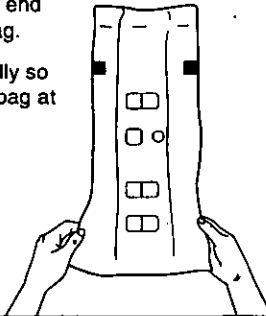


2. To remove the dust bag, grasp the cardboard portion of the dust bag and pull it out.

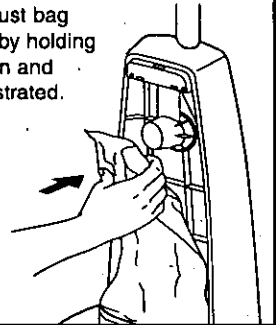


3. Spread out the end of the new dust bag.

**NOTE:** Pull carefully so as not to tear the bag at the folds.

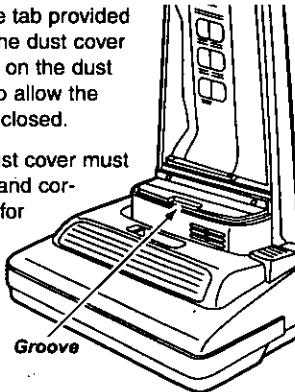


4. Attach the new dust bag onto the bag holder by holding the cardboard portion and pushing back as illustrated.



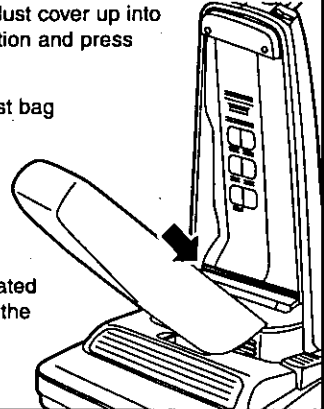
5. Reinsert the tab provided on the end of the dust cover into the groove on the dust compartment to allow the cover to rotate closed.

**NOTE:** The dust cover must be completely and correctly installed for proper operation.



6. Rotate the dust cover up into the closed position and press into place.

**NOTE:** The dust bag should not be caught between the lower edge of the dust cover and the gasket as indicated by the arrow in the illustration.





## **WARNING** *Electric Shock or Personal Injury Hazard.*

When the lower plate is removed for any reason, before reinstalling, be sure that all electrical wires are routed in a manner that prevents them from coming into contact with the lower plate, lower plate screws, or any moving parts. Be sure that the wires are not pinched in any way when the lower plate is reinstalled.

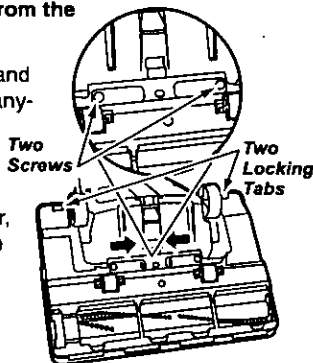
## **REMOVING/INSTALLING THE LOWER PLATE**

Before replacing any parts, disconnect the vacuum cleaner from the electrical outlet.

Replacing some of the parts in this section involves the removal and installation of the lower plate. Always place paper under nozzle anytime the lower plate is removed to protect the floor surface.

### **To Remove Lower Plate.**

Start by placing the handle in the upright position. See the HANDLE ADJUSTMENTS section. Turn the vacuum cleaner over, exposing the underside. Release the lower plate by removing the two (2) screws and pressing inward on the two (2) locking tabs that secure the lower plate, as shown in the illustration. Remove the lower plate and remove any residue that may exist in the belt area.



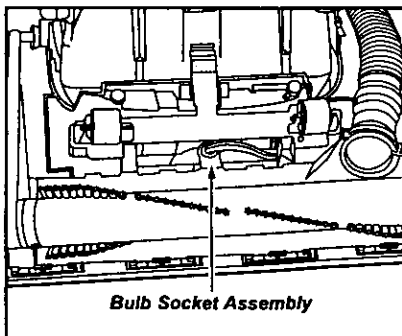
### **To Reinstall Lower Plate.**

Hook the front end of lower plate into the slots on the front of the nozzle housing. Press the lower plate into place until the locking tabs snap into place, then replace the two (2) screws.

**NOTE:** To ensure maximum cleaning efficiency, the belt should be checked regularly to make sure it is in good condition. Check to see if the belt is stretched, cracked, or if excessive slippage has occurred. Replace if necessary.

## **REPLACING THE HEADLIGHT BULB**

1. Remove the lower plate using the procedure in the REMOVING/INSTALLING THE LOWER PLATE section.
2. Grasp the bulb socket, wiggle the socket back and forth while pulling it up out of the nozzle housing. To remove the old bulb, push it in toward the bulb socket while turning counterclockwise, then remove.
3. Install the new bulb by pushing it in toward the bulb socket and turning it clockwise. Use any standard bayonet base appliance bulb rated at 130 Volts AC/15 Watts.



**NOTE:** Do not use a bulb rated over 130 Volts AC/15 Watts. During extended use, heat from the bulb could overheat the surrounding plastic parts.

4. Reinsert the bulb socket into the nozzle housing by pushing it back down into the slot. Replace the lower plate as outlined in the REMOVING/INSTALLING THE LOWER PLATE section.

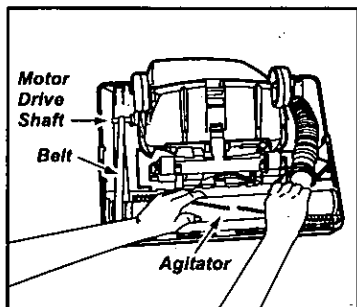
## REPLACING THE BELT



### **WARNING** Personal Injury Hazard.

*Be careful when removing agitator. The belt tension is high. Failure to do so could result in personal injury from agitator releasing quickly and snapping away.*

Unplug and turn the unit over. Remove the lower plate as described in the REMOVING/INSTALLING THE LOWER PLATE section.

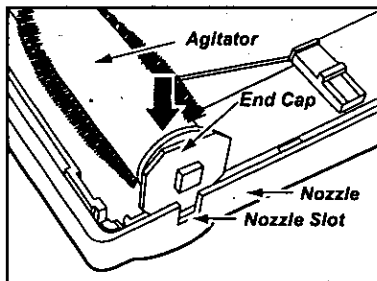
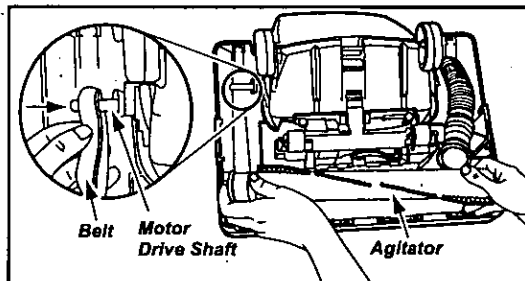


Remove the agitator, carefully lift it out, and remove the worn or broken belt from the belt pulley and motor shaft.

**NOTE:** The two end caps may come off along with the two washers as you lift the agitator out. **DO NOT** lose the two small washers.

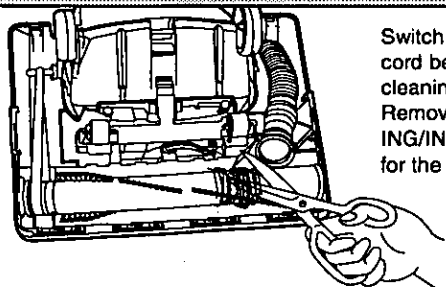
Loop the new belt around the motor shaft and the belt pulley on the agitator. See illustration for correct belt routing. **Use only a Panasonic Type UB8 drive belt.**

Before reinserting the agitator make sure the end caps/washers are on correctly. See illustration in the REPLACING THE AGITATOR section.



After checking the end caps, reinstall the agitator back into the housing grooves. After installing the agitator, turn it by hand making sure that the belt is not twisted or pinched and all rotating parts turn freely. Replace the lower plate as described in the REMOVING/INSTALLING THE LOWER PLATE section.

## CLEANING THE AGITATOR



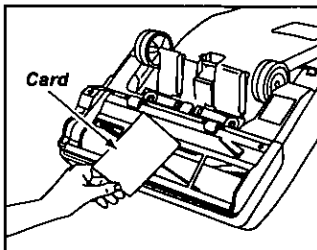
Switch off the vacuum cleaner and unplug the power cord before cleaning the agitator. In order to keep the cleaning efficiency high, clean the agitator regularly. Remove the lower plate if necessary. See the REMOVING/INSTALLING THE LOWER PLATE section for the proper procedure.

**Agitator** - Cut off any carpet pile and lint entangled around the agitator with a pair of scissors as illustrated.

# REPLACING THE AGITATOR

## 1. When to replace the agitator.

The agitator should be replaced when the brushes are worn. Brushes should be checked by holding a card across the lower plate, see illustration. If the bristles on the agitator **DO NOT** touch the card, you **SHOULD** replace the agitator for best cleaning results.



## 2. How to replace the agitator.

Place the vacuum cleaner handle in the upright position. See the **HANDLE ADJUSTMENTS** section. Remove the lower plate as outlined in the **REMOVING/INSTALLING THE LOWER PLATE** section. After the lower plate is removed, carefully lift up the agitator until it clears both sides of the nozzle housing. While holding the agitator up, remove the belt.

**NOTE:** The two end caps may come off along with the two washers as you lift the agitator out. **DO NOT** lose the two small washers. Look at the exploded view of the agitator below for correct assembly of the parts.

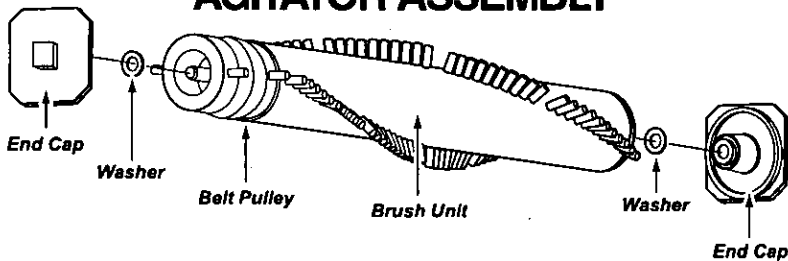
## 3. To replace the agitator.

Place the belt over the belt pulley on the brush unit. **NOTE:** There is a place for the belt to fit on one end of the agitator only. Replace both washers and end caps, see illustration below for correct assembly. After assembling the belt, washers and end caps place the agitator back into the nozzle housing by aligning each end cap.

**After completing the assembly, rotate the brush, turning it by hand to assure that it rotates smoothly and the part is assembled correctly.**

Replace the lower plate as outlined in the **REMOVING/INSTALLING THE LOWER PLATE** section.

## AGITATOR ASSEMBLY





## CLEANING EXTERIOR AND ATTACHMENTS

1. Unplug cord from wall outlet. **DO NOT** drip water on cleaner.
2. Clean exterior using a clean, soft cloth that has been dipped in a solution of mild liquid detergent and water and wrung dry. Wipe dry after cleaning.
3. To reduce static electricity and dust build-up, wipe outer surface of cleaner and attachments.
4. Wash attachments in warm soapy water, rinse and air dry. **DO NOT** clean in dishwasher or clothes washer.

**DO NOT USE ATTACHMENTS IF THEY ARE WET.**



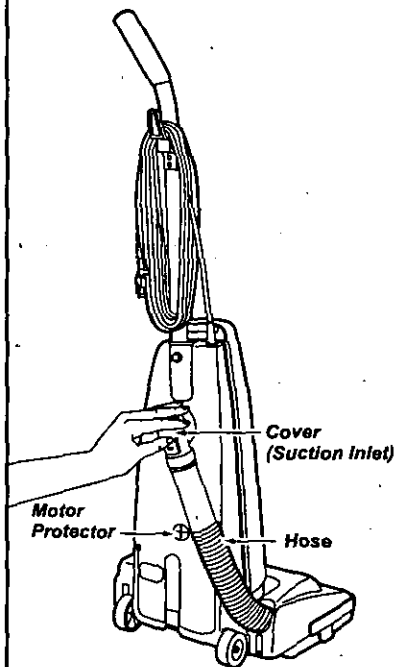
### CAUTION

*Attachments used in dirty areas, such as under a refrigerator, should not be used on other surfaces until they are washed. They could leave marks.*

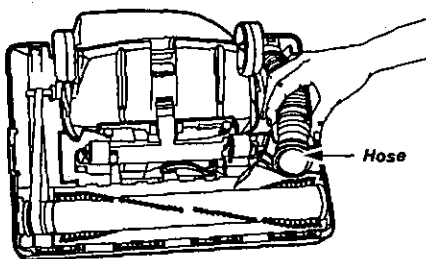
## REMOVING CLOGS

The hose located on the back of the vacuum cleaner carries the dirt from the nozzle up to the dust bag. If the hose should become clogged:

1. Unplug the power cord from the outlet before checking the airflow passages. Pull open the suction inlet cover and check for clogging in this area.



2. Disconnect any optional accessories that may be in use and check them for clogging. Plug in the vacuum cleaner and turn it on. While running the vacuum cleaner with the accessories disconnected, stretch the hose in and out to remove the clog.
3. If the clog still exists, turn the vacuum cleaner OFF and unplug the power cord. Turn the vacuum cleaner over, exposing the underside. Remove the lower plate. Remove the hose from the housing by lifting it straight up. Inspect the hose end and clear it of any obstructions. Reinstall the hose and lower plate. See the REMOVING/ INSTALLING THE LOWER PLATE section for detailed instructions.



# BEFORE REQUESTING SERVICE



## WARNING

*Electric Shock or Personal Injury Hazard.*

*Disconnect the electrical supply before servicing or cleaning the unit. Failure to do so could result in electric shock or personal injury from cleaner suddenly starting.*

Review this chart to find do-it-yourself solutions for minor performance problems. Any service needed, other than those described in these Operating Instructions, should be performed by an authorized service representative.

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Cleaner will not run.	<ol style="list-style-type: none"><li>1. Unplugged at wall outlet.</li><li>2. On/Off switch not turned on.</li><li>3. Tripped circuit breaker/blown fuse at household service panel.</li></ol>	<ol style="list-style-type: none"><li>1. Plug in firmly. Push On/Off switch to On.</li><li>2. Push On/Off switch to On.</li><li>3. Reset circuit breaker or replace fuse.</li></ol>
Poor job of dirt pickup.	<ol style="list-style-type: none"><li>1. Full or clogged dust bag.</li><li>2. Broken belt.</li><li>3. Carpet height setting incorrect.</li><li>4. Clogged hose or nozzle.</li><li>5. Hose not inserted fully.</li><li>6. Worn agitator.</li><li>7. Hole in hose.</li><li>8. Dust cover improperly installed.</li><li>9. Belt not installed on motor shaft.</li></ol>	<ol style="list-style-type: none"><li>1. Change bag.</li><li>2. Replace belt.</li><li>3. Set in the correct position.</li><li>4. Clean hose or nozzle area.</li><li>5. Insert hose.</li><li>6. Replace agitator.</li><li>7. Replace hose.</li><li>8. Properly install dust cover.</li><li>9. Install belt on motor shaft.</li></ol>
Dust escapes the paper bag.	<ol style="list-style-type: none"><li>1. Bag improperly installed.</li><li>2. Bag torn.</li></ol>	<ol style="list-style-type: none"><li>1. Properly install bag.</li><li>2. Replace bag.</li></ol>
Light will not work.	<ol style="list-style-type: none"><li>1. Burned out light bulb.</li></ol>	<ol style="list-style-type: none"><li>1. Replace light bulb.</li></ol>
Cleaner picks up moveable rugs or pushes too hard.	<ol style="list-style-type: none"><li>1. Wrong pile height setting.</li></ol>	<ol style="list-style-type: none"><li>1. Adjust setting.</li></ol>

# WARRANTY

## Panasonic Commercial Vacuum Cleaner Limited Warranty

Panasonic Home and Commercial Products Company (referred to as "the warrantor") will repair this product with new or refurbished parts free of charge, in the U.S.A. or Puerto Rico, for one (1) year from the date of original purchase, in the event of a defect in materials or workmanship.

**This Limited Warranty Excludes both Labor and Parts for the following items:** disposable dust bags, filters, belts, light bulbs, agitator brushes and batteries (if supplied).

Carry-in or mail-in service in the U.S.A. can be obtained during the warranty period by contacting a Panasonic Services Company (PASC) Factory Servicenter listed in the Servicenter Directory, or by calling toll free, 1-888-350-9590, or by contacting your selling distributor. Carry-in or mail-in service in Puerto Rico can be obtained during the warranty period by calling the local Panasonic Sales Company telephone number listed in the Servicenter Directory.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of date of original purchase will be required before warranty performance is rendered.

This warranty only covers failures due to defects in materials and workmanship which occur during normal use and does not cover damages which occur in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, faulty installation, improper operation or maintenance, alteration, modification, power line surge, improper voltage supply, lightning damage, or service by anyone other than a Panasonic Authorized Servicenter, or damage that is attributable to acts of God.

### **LIMITS AND EXCLUSIONS:**

There are no express warranties except as listed above.

THE WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the Customer Satisfaction Center at the listed address on the back cover.

# WHAT TO DO WHEN SERVICE IS NEEDED

If your Panasonic Vacuum Cleaner needs service, look in the yellow pages of the telephone book under HOME APPLIANCE SERVICE for your nearest Panasonic Services Company ("PASC") Factory Servicenter, or PASC authorized Servicenter, or call 1-888-350-9590, toll free to find a convenient servicenter. **DO NOT** send the product to the Executive or Regional Sales offices. They are **NOT** equipped to make repairs.

## If you ship the product

Carefully pack and send it prepaid, adequately insured and preferably in the original carton. Attach a postage-paid letter to the outside of the carton, which contains a description of your complaint. **DO NOT send the product to the Executive or Regional Sales Offices. They are NOT equipped to make repairs.**

## Customer's Record

Model No. \_\_\_\_\_ Dealer's Name \_\_\_\_\_

Serial No. \_\_\_\_\_

Dealer's Address \_\_\_\_\_

Date of Purchase \_\_\_\_\_

Consumers requiring product information  
or operating assistance with a consumer  
product should contact:

**CUSTOMER SATISFACTION  
CENTER  
DEPARTMENT 2F-3  
1-888-350-9590**

**DIAL TOLL FREE  
1-888-350-9590**

**Panasonic Services Co.**

**24 hours a day,  
7 days a week**

PANASONIC HOME & COMMERCIAL PRODUCTS  
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