

# CLEANMAX®

## NITRO



Operating Instructions  
CMNR-QD

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## Warranty

Please visit <https://www.cleanmaxvacuums.com/register-warranty.html> to learn more about your warranty and our warranty policy.



## Warning Labels

Prior to operating the unit, read and understand completely this owner's manual paying special attention to warning labels. These labels indicate a potentially hazardous situation that could result in death or serious injury if not avoided. Use only as described in this manual.



## Important

There are no owner serviceable parts inside this machine. Removal of screws and accessing internal components will void all warranty claims.

Your new CleanMax unit is a high quality, precision-made product. All parts used in the manufacturing of this unit have passed rigid quality control standards prior to assembly. Please safeguard the original receipt/invoice given at the time of purchase. If you experience any problems with your unit during the warranty period, the original receipt/invoice will act as proof of purchase.

**Upon receipt, inspect outer box for exterior damage. Unpack all internal parts, ensure all items are present according to the owner's manual, and review components for damage.**

Each unit is tested and thoroughly inspected prior to shipping. If damage is discovered, immediately notify the transportation company that delivered your machine and request an inspection. As a manufacturer, we are unable to act upon any claim for concealed damage and you must originate the claim. Be sure to keep the carton, packing inserts, and carrier's receipt until the inspector has verified your claim.

# GROUNDING INSTRUCTIONS

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**DANGER:** Improper use of the grounding plug can result in a risk of electric shock.

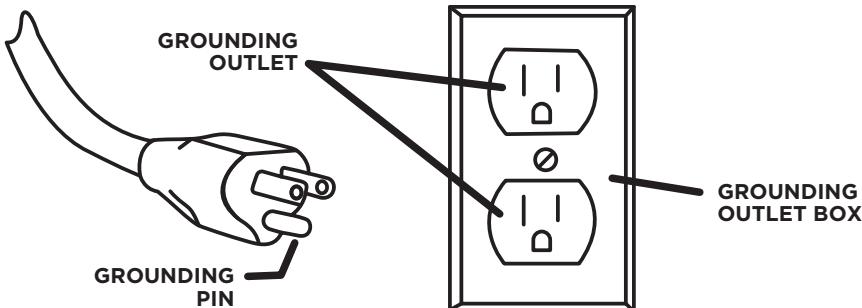
## WARNING!

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 appliance. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.

## GROUNDING METHODS

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

This appliance is for use on a nominal 115-volt circuit, and has a grounding plug that looks like the plug illustrated in sketch A.



A

# IMPORTANT SAFETY INSTRUCTIONS

## READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE USING THIS UNIT

Read and understand this owner's manual and all labels on the unit before operating. Safety is a combination of common sense, staying alert, and knowing how your unit works. Use this unit only as described in this manual. Use only manufacturer's recommended attachments. To reduce the risk of personal injury or damage to your unit use only recommended accessories.

**WARNING** To avoid fire, DO NOT use with a flammable or combustible liquid or floor cleaner.

**WARNING** To avoid electric shock, DO NOT expose to rain. Store Indoors.

**When using this unit, basic precautions should always be followed, including the following:**

- DO NOT leave unit when plugged in. Unplug from outlet when not in use and before servicing.
- DO NOT allow unit to be used as a toy. Close attention is necessary when used around 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 unit is not working properly because it has been dropped, dropped into water, left outdoors, or damaged in any way, contact a service center
- 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, or 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 smoking or burning such as cigarettes, matches, or hot ashes.
- DO NOT use to pick up hazardous chemicals.
- Turn off all controls before unplugging.
- DO NOT use to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
- DO NOT use where oxygen or anesthetics are used.
- Replace damaged or worn parts immediately with genuine original equipment parts to maintain safety.
- This unit must be connected to a properly grounded outlet only. See grounding instructions.
- DO NOT use equipment out of doors or in the rain.
- DO NOT use equipment near or around flammable or explosive materials, fuels, or solvents.
- DO NOT allow the unit to freeze.
- Anyone designated to operate this equipment must, without fail, read and thoroughly understand all instructions and precautions prior to use.
- Do not operate in standing water.
- Do not operate equipment under any unsafe condition.

## SAVE THESE INSTRUCTIONS

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## IMPORTANT SAFETY INSTRUCTIONS



### State of California Proposition 65 Warnings

**WARNING:** This product contains one or more chemicals known to the state of California to cause cancer.

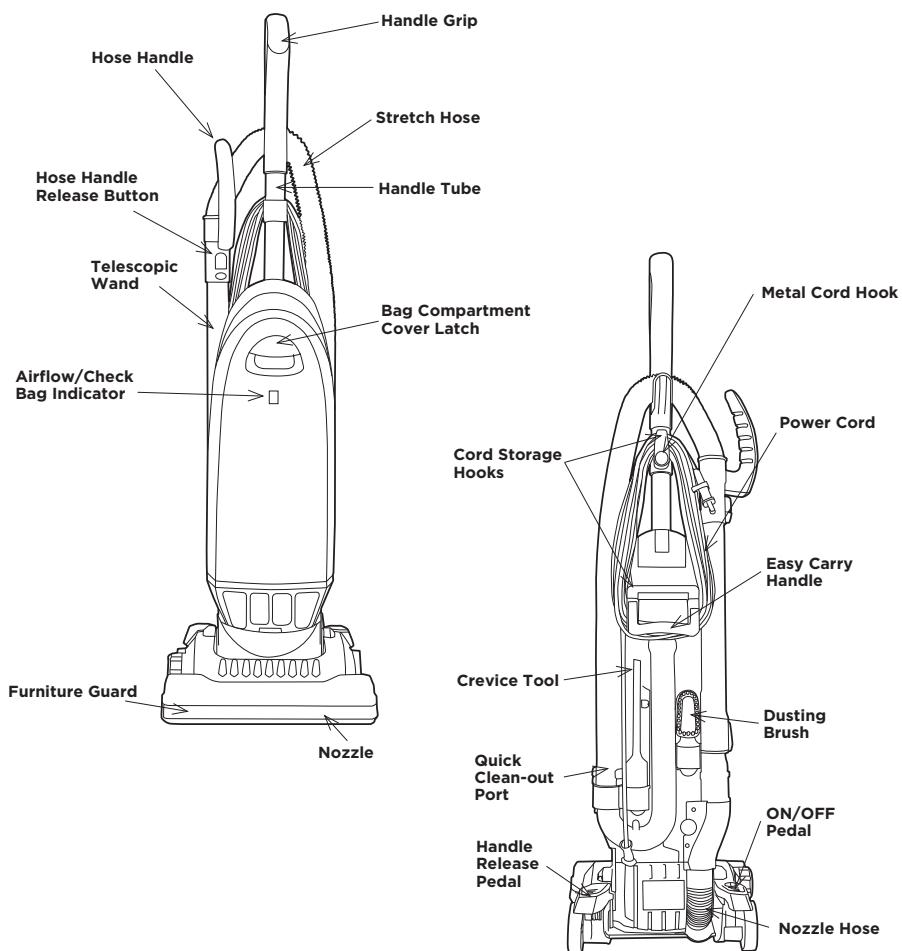
**WARNING:** This product contains one or more chemicals known to the state of California to cause birth defects or other reproductive harm.



### Intended Use

Do NOT modify this unit in any way or adapt it for any use. Modification of this unit in any way will void all warranties and could create safety hazards.

# PARTS IDENTIFICATION



## Replacement Bags, Belts, and Filters

- Genuine CleanMax HEPA Media Bags - Part # CMH-6, 6 per package
- Genuine Belt - Part # CMNR-B2
- Filter Pack, Pre and Post Filter Set - Part # CMNR-F

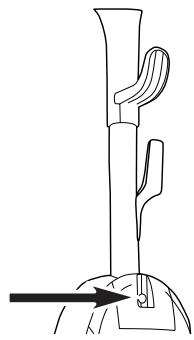
# OPERATION

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## How to Attach the Handle to the Vacuum Cleaner

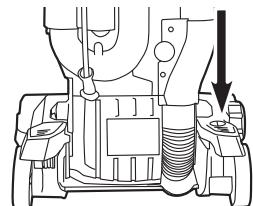
The vacuum and the handle are packed separately.

1. After first removing the handle screw, slide the handle into the slot on top of the vacuum cleaner.
2. Line up the small hole on the handle with the small hole on the vacuum cleaner and insert the screw. Make sure the screw is tightened securely (Fig. 1).



## ON/OFF Pedal

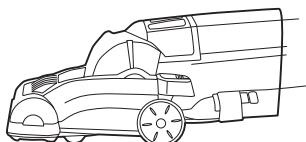
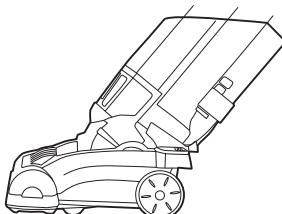
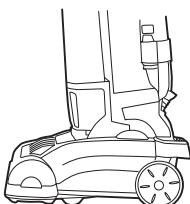
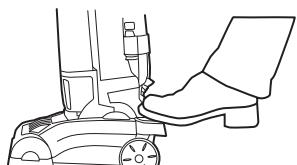
1. To turn the vacuum on, push the power pedal on the right side of the vacuum nozzle from the user's perspective (Fig. 1).
2. To turn the vacuum off, push the pedal again.



The handle on this vacuum cleaner can be set to one of three positions – upright, middle or low.

## How to Adjust the Handle

1. To release the handle, step on the handle release pedal on the left side of the vacuum cleaner nozzle from the user's perspective and pull back the handle (Fig.1).
2. Upright position – for storage or when cleaning tools are used (Fig. 2). Handle locks in this position.
3. Middle position – for normal cleaning (Fig. 3).
4. Low position – for cleaning under furniture (Fig. 4).



## How to Attach the Cord to the Retainer Hook on the Handle

1. Create a loop in the power cord and push it through the slot and over the hook of the cord retainer (Fig. 1).
2. Pull down on the power cord to remove any slack (Fig. 2).

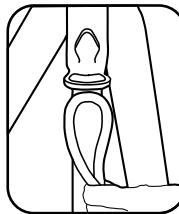


Fig. 1

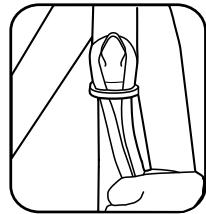


Fig. 2

## How to Adjust the Height Adjustment

The height adjust dial should be on the LOW setting at all times for optional cleaning performance on commercial carpet (Fig. 1).

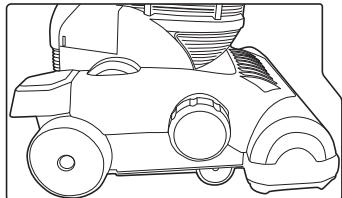


Fig. 1

Use LOW Setting for Commercial Carpet				
MAX	X-HIGH	HIGH	AUTO	LOW

## Edge Cleaning Feature

The edge cleaning feature provides improved cleaning near walls and stationary furniture. For maximum edge cleaning, position the right side of the vacuum from the user's perspective near walls or stationary furniture.

## Cleaning with On-Board Tools

Your vacuum cleaner is equipped with on-board cleaning tools, including a telescopic wand, stretch hose, dusting brush and a crevice tool.

1. To use the cleaning tools, lift the hose handle straight up from the vacuum (Fig. 1).
2. Extend the wand by pulling the button back and pulling the smaller wand out of the larger wand (Fig. 2).
3. Attach any of the on-board tools to the end of the wand, or if you do not need the wand, any tool can be connected directly onto the hose handle.

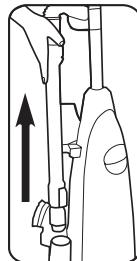


Fig. 1

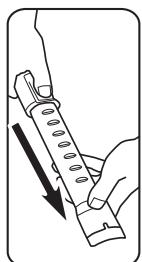


Fig. 2

# MAINTENANCE

## Full Bag Indicator

The full bag indicator is designed to show when the bag is full or when there is a clog in the vacuum.

- If the red indicator (Fig. 1) appears:
  - Change the vacuum bag
  - If the vacuum bag is not full, but the full bag indicator is red, check the hose for a clog.
  - When cleaning with a tool (dusting brush or crevice tool), the red indicator may appear. In this case, continue cleaning.

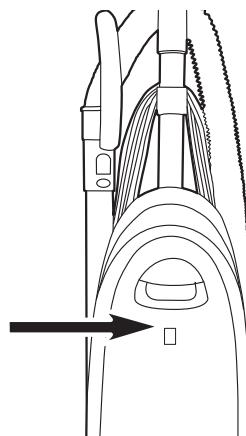


Fig. 1

Always operate the vacuum cleaner with a vacuum bag installed. Bags should be changed when they are 2/3 full.

## How to Change the Vacuum Bag

1. Unplug the vacuum cleaner. Remove the bag compartment cover (Fig. 1).
2. Remove the bag from the bag holder by grasping the sides of the bag collar and pulling straight off. Attach a new vacuum bag by pushing the collar onto the inlet (Fig. 2).
3. Pull out the bottom corners of the new vacuum bag to expand the bag capacity (Fig. 3).
4. Reinsert the tab on the end of the bag compartment cover into the groove on the bag compartment housing. Press the bag compartment cover into place, closing it tightly.

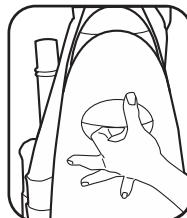


Fig. 1



Fig. 2

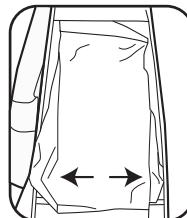
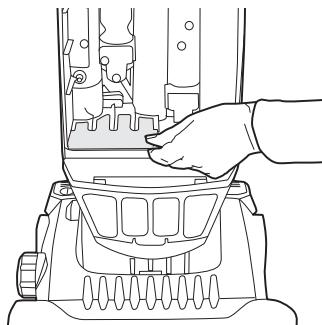
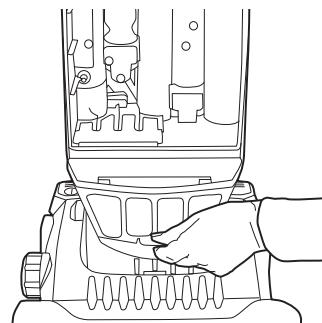


Fig. 3

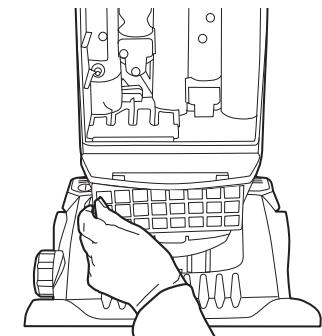
Your vacuum cleaner is equipped with a secondary filter and a Final filter. These filters capture fine dust particles and protect the motor from dirt. Accumulated dirt in the bag compartment will be collected on the filters and may restrict motor performance. It is important to change the filters regularly — approximately once a year or as needed.



**Fig. 1**



**Fig. 2**



**Fig. 3**

## How to Change the Final Filter

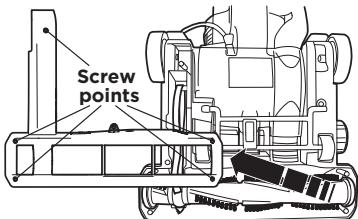
1. Unplug the vacuum cleaner. Remove the filter cover below the dust compartment cover (Fig. 2).
2. Remove the filter from the front of the vacuum (Fig. 3).
3. Vacuum or brush off any dirt on the filter. If needed, foam filter can be rinsed with warm water to clean. Allow the filter to air dry for 24 hours before re-installing in the vacuum.

# MAINTENANCE

**CAUTION:** First unplug the vacuum cleaner.

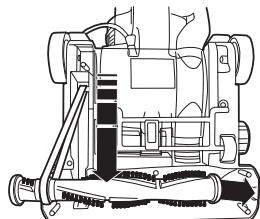
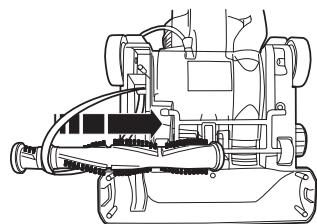
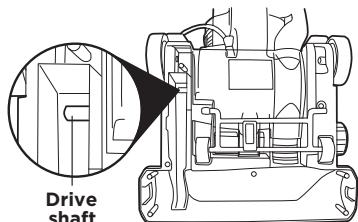
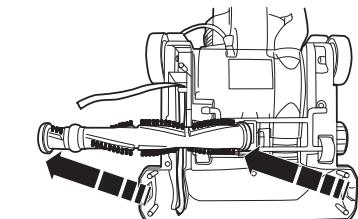
## How to Remove the Bottom Plate

1. Place the vacuum cleaner in the lowest position by stepping on the handle release pedal (see "How to Adjust the Handle" on page 8). Turn the vacuum over on a flat surface, exposing the bottom plate.
2. Remove the five screws holding the L-shaped bottom plate in place (Fig. 1).
3. Remove the bottom plate.



## How to Replace the Belt

1. Turn over the unit and remove the bottom plate as described above.
2. Lift out the brush roll and remove the old belt (Fig. 2).
3. Loop the new belt around the drive shaft (Fig. 3) and the raised ring between the bristles on the brush roll (Fig. 4).
4. Pull the brush roll forward (against the pull of the belt) and reinsert the ends back into the nozzle (Fig. 5) making sure to line up the end opposite the belt so the flat edges slide down properly.
5. Turn the brush roll by hand, making sure the belt is not twisted and all rotating parts move smoothly.
6. Replace the bottom plate and the five screws.



## Thermal Protector

Your CleanMax vacuum cleaner is equipped with a thermal protector designed to protect your vacuum cleaner from overheating due to restricted airflow (i.e. clogged hose). Should this situation occur, the thermal protector will automatically shut off the motor to prevent damage.

### How to Reset the Thermal Protector

1. Unplug the vacuum cleaner.
2. Allow the vacuum cleaner to cool at least 30 minutes.
3. Check for blockages, change the vacuum bag and clean or replace the filters.
4. Plug in the vacuum cleaner and begin using.

## TROUBLESHOOTING

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Problem	Check Point	Possible Solution
Suction power is weak.	<ul style="list-style-type: none"><li>• Vacuum bag</li><li>• Wand or hose</li><li>• Filters</li></ul>	<ul style="list-style-type: none"><li>• If the vacuum bag is 2/3 full, replace it.</li><li>• If clogged or blocked, remove the object.</li><li>• Clean or replace filters.</li></ul>
The vacuum does not work.	<ul style="list-style-type: none"><li>• Power cord</li></ul>	Insert the power plug firmly into an electrical outlet.
Sudden loss of power.	<ul style="list-style-type: none"><li>• Thermal reset</li></ul>	Turn off vacuum and unplug from electrical outlet. Let vacuum cool down for at least 30 minutes before turning back on. Check for clogs. Replace vacuum bag.
Dirt and debris are blowing through exhaust vent.	<ul style="list-style-type: none"><li>• Filters</li></ul>	Make sure filters are clean, dry and installed correctly.
All other service should be performed by an authorized service center.		

## For Best Performance

- Keep machine and all accessories clean and in good operating condition.
- Replace the bag when it is 2/3 full.
- Replace the filters once a year or as needed.
- Always use genuine CleanMax filters and parts, as use of other products may result in poor cleaning or filtration performance. CleanMax filtration products are designed for maximum performance.
- Store machine carefully in a dry area.
- For optimum cleaning performance and safety, follow your owner's manual.

# CLEANMAX®

CleanMax Vacuums  
P.O. Box 730  
Fenton, MO 63026



## Record of Purchase

Serial Number: \_\_\_\_\_

Purchase Date: \_\_\_\_\_

Dealer: \_\_\_\_\_

Phone Number: \_\_\_\_\_