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z-series™

Central Vacuum Systems Owner's Manual

Type E

Systèmes centraux d'aspiration
Manuel du propriétaire

Type E

Sistemas de aspiradora central
Manual del Propietario

Typo E



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Your central vacuum system package consists of the following items.



IMPORTANT SAFEGUARDS

When using an electronic appliance, basic precautions should always be followed.

READ ALL INSTRUCTIONS BEFORE USING THIS CENTRAL VACUUM SYSTEM.

This central vacuum power unit is intended for the removal of normal household dust.

WARNING

To reduce the risk of fire, electric shock or injury:

- Do not use outdoors or on wet surfaces.
- Do not block the motor hood or ventilation openings and duct on the top of the power unit. Lack of ventilation airflow will cause the motor to overheat.
- Do not locate the power unit in a high temperature area or where it is inaccessible, for example, an attic or crawl space.
- Mount the power unit no less than 12in (30 cm) from the ceiling or any adjacent wall and at least 27.5in (70 cm) from the floor. Additionally, review any local codes and regulations that may apply.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge. This is unless they have been given supervision or instruction concerning the use of this appliance by a person responsible for their safety.
- Use only as described in this manual. Use only manufacturer's recommended attachments.
- 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 in water, return it to a service center.
- Connect to a properly grounded outlet only (refer to grounding instructions).
- Do not use extension cords or outlets with inadequate current carrying capacity.
- Turn off all controls before unplugging.
- Do not unplug by pulling on cord. To unplug, grasp the receptacle plug that is connected to the cord.
- Do not handle plug or cord with wet hands.
- Do not put any object into openings. Do not use with any openings blocked; keep free of dust, lint, hair and anything that may reduce airflow.
- This vacuum cleaner creates suction. 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.
- Use extra care when cleaning on stairs.
- Do not pick up flammable or combustible liquids such as gasoline, or use in areas where they may be present.
- Keep your work area well lit.
- Unplug electrical appliances before vacuuming them.
- If the supplied power cord is damaged, it must be replaced by a special cord available from the authorized local dealer/distributor
- Do not use without dust bag and/or filter in place.

SAVE THESE INSTRUCTIONS

GENERAL INFORMATION

The central vacuum is designed for dry pick-up of household dirt and dust. Avoid picking up hard or sharp objects with this system to prevent hose and plastic pipe damage or clogs.

This manual will cover the final steps of installation of the power unit in your home. It will also provide the necessary information for maintenance and trouble shooting, in the unlikely event that it will be needed. If you require further information about installation or inquires on the product please contact your local authorized dealer/distributor.

INSTALLATION SAFETY EQUIPMENT

For wall preparations and cover preparations, safety equipment such as helmet, gloves, goggles and hearing protection are recommended.



CAUTION



Use caution when drilling holes in walls as gas pipelines and water pipes and electrical wires may be present.

If you have any questions regarding the product, spare parts, service, warranty or anything else, please contact your local authorized dealer or distributor.

GROUNDING INSTRUCTIONS

This appliance must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electrical current to reduce the risk of electrical shock. This appliance 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.

WARNING

Improper connection of the equipment-grounding conductor can result in electrical shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded, or if the plug does not fit into an outlet. Do not modify the plug provided with the appliance. Have a proper outlet installed by a qualified electrician.

This appliance is for use on a nominal 120 volt circuit and has a grounding plug that looks like the plug illustrated in Figure A. Make sure that the appliance is connected to an outlet having the same configuration as the plug. No adapter should be used with the appliance.

NOTE: In Canada, the use of a temporary adapter is not permitted by the Canadian Electrical Code.

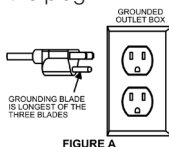


FIGURE A

WARNING

If the supply cord is damaged, it must be replaced by a special cord available from your local authorized dealer/distributor.

SERVICE INFORMATION

The instructions in this booklet serve as a guide to routine maintenance. For additional information, contact you're nearest authorized dealer/distributor.

RATING PLATE

The type, model, and serial numbers are indicated on the rating plate

located on the control panel or motor hood. For prompt and complete service information, always refer to these numbers when inquiring about service.

WARNING

Non-observance of the safety directions may result in bodily harm.

PRODUCT DIMENSIONS

Refer to page 27 - Image 1

WASTE OF ELECTRIC AND ELECTRICAL EQUIPMENT (WEEE)



This symbol on the product or on its packaging indicates that this product may not be treated as household waste. Instead it should be handed over to applicable collection point for the recycling of electronics and electrical equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about this product, please contact your local waste disposal service or the shop where you purchased the product.

INSTALLATION

Your home is most likely already fitted with the system of plastic pipes and inlet valves and you are ready to install the central power unit. If your home is not fitted for a central vacuum system, you can contract to have the Central Vacuum System installed by a professional by contacting your local dealer or distributor or choose to do-it-yourself.

The central power unit should be located as far away from the general living area as possible, yet accessible so you can remove the dirt receptacle, reach the filter, and inspect the central power unit. A typical location would be in a garage, where you could vacuum your car or garage area, and where emptying the dirt receptacle and cleaning the filter would be more convenient. Other suitable locations are in the basement, laundry room, or ventilated storage room.

CAUTION



Use caution when drilling holes in walls as gas pipelines and water pipes and electrical wires may be present. Holes in the masonry are only allowable through it if its standing stability is not impaired. Holes in wood studs should be drilled. Depending on what material your home is built with, use the appropriate anchors to hang your power unit. Power unit simply slides onto mounting bracket and clicks into place.

Refer to page 27 - Image 3

- Place the central power unit in a place that is removed from the general living area. The exhaust should be easy to connect to a ventilation pipe. This can be done regardless of the house's construction material.
- Locate the two low voltage wires near the main pipe. Remove the insulation from the low volt wire. Insert the low volt wire into the spring loaded low volt connectors. Be certain you comply with your local electrical codes and regulations.

Refer to page 27 - Image 4

- Make sure there is a dedicated electric socket for the power unit.
- Plug in your CVS with the supplied power cord.

Your power unit does not require the assembly of a muffler. Your CVS has the muffler installed internally. You may however desire to exhaust the air outside. In this case you will need to attach the exhaust adapter. This will convert the size of the exhaust to the diameter of the central vacuum pipe.

Refer to page 27 - Image 5

- Place the power unit in order to make the exhaust pipe as short as possible. Exhausts should be limited to no longer than 16.5ft (5m).
- Keep in mind that you may need space on the sides of your central unit to be able to access the dirt receptacle.

Refer to page 27 - Image 6

- Align the power unit intake fitting to the main trunk line projecting from the wall. **DO NOT GLUE.** Attach the exhaust pipe to the motor exhaust if exhausting outdoors. Make sure the exhaust pipe is as short as possible.

NOTE: Mount central power unit at least 12in (30cm) from the ceiling and any adjacent wall, at least 27.5in (70cm) from the floor and within 6ft (1.8m) of an electrical outlet. Review any local regulations that may apply.

Refer to page 27 - Image 2

WARNING

Do not block the hood ventilation openings on the top of the central power unit. Lack of ventilation will cause the motor to overheat.

WARNING

Do not locate the central power unit in a high temperature area where it is inaccessible for example, an attic or crawl space.

For the ultimate in air control, you may have purchased the true HEPA filtration for models ECV5500 & ECV5600. The True HEPA filter may be simply attached to your power unit as shown. Wash the removable filters up to 20 times until a new filter and adapter are required. Note: The filter cartridges and HEPA filter adapter are recyclable.

Refer to page 27 - Image 7

SYSTEM TEST

Be certain to comply with local electrical codes and regulations. Plug the unit into a regular electrical outlet. You are now ready to check the installation of the unit:

- Be sure the filter is properly installed in the power unit.
- Be sure the dirt receptacle is properly secured to the power unit.
- Plug the hose into each inlet valve to be sure the electrical contacts operate properly.
- Check each inlet valve for air leaks.
- Check each pipe connection for air leaks.

Refer to page 27 - Image 8

HOW TO USE CENTRAL VACUUM SYSTEM

Your central vacuum system is controlled by a switch on your hose. Simply insert the hose into the valve and turn the switch to the on position. This will start the power unit and the flow of air.

When you are finished, turn the switch on the hose to the off position and remove the hose from the inlet valve. When unplugging the hose, hold the inlet cover open for a few seconds to allow suction to decrease thus, protecting the inlet valve seal.

LED INDICATION BUTTONS

Your power unit is equipped with a multi color LED panel. This LED panel will provide you with necessary information on your power unit's performance, maintenance and diagnostics.

Your machine may be equipped with some or all of the indicators listed below.

Refer to page 27 - Image 9

MODEL ECV5200 AND MODEL ECV5300



On/Off



Motor Fault

NORMAL OPERATION

When the power unit is OFF and considered to be in standby mode the LED button will be RED.

When the power unit is ON and in use the LED will be GREEN.

MOTOR FAULT

The central vacuum system employs features that monitor the AC line voltage, current draw and motor temperature.

Temporary voltage and current problems may prevent the power unit from starting. The motor fault LED will flash. These conditions will automatically reset and the LED functions will return to normal. If conditions persist, contact your authorized dealer or distributor.

In the event of an overheated motor or disconnected internal motor wire, the power unit will not turn on. The On/Off LED will illuminate both red and green and the motor fault LED will illuminate amber. Unplug the power unit for 30 minutes, allowing the motor to cool down. Reconnect the power cord and check for normal operation. If conditions persist, contact your authorized dealer or distributor.

MODEL ECV5400



On/Off



Motor Fault



Empty Dirt Receptacle



Reset

Normal Operation and Motor Fault function will be as described above for **ECV5200** and **ECV5300**.

EMPTY DIRT RECEPTACLE

Every 25 hours of use (approximately 6 months) the "empty dirt receptacle" indicator will illuminate. This is an indication to check the dirt receptacle and empty it.

To manually reset the Empty Dirt Receptacle indicator, simply press the Reset button, and hold for 10 seconds.

Since this is time based, you may find the dirt receptacle too empty or too full. If you have pets, a workshop or other factors that cause waste more frequently, you may wish to check the dirt receptacle more frequently.

MODELS ECV5500 AND ECV5600

In addition to the 4 LED indication buttons, the ECV5500 and ECV5600 models also have an LCD screen. Refer to page 10 LCD Image Guide for more information.

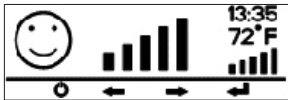
NORMAL OPERATION

When the power unit is Off and in standby mode, the product logo will scroll across the LCD screen and the 4 LED buttons will illuminate red.

The left button with the Power symbol can be used to activate the unit.

When the power unit is ON and in use the LED will be GREEN.

IN USE



When in use the power indicator turns green. The five progressive performance bars will appear. A normally functioning unit should have all five performance bars lit. If there are consistently less than two bars, you should check for the problem. Possible issues causing the performance bars to lessen could be:

1. Blocked suction at the hose end
2. Clogged pipe in system
3. Air restrictive tool being used, such as a crevice tool
4. Full dirt receptacle
5. Clogged filtration system

EMPTY DIRT RECEPTACLE



Every 25 hours of use (approximately 6 months) the empty dirt receptacle indicator will flash on the screen. This is an indication to check the dirt receptacle and empty it. Since this is time based, you may find the dirt receptacle too empty or too full. If you have pets, a workshop or other factors that cause waste more frequently, you may wish to check the dirt receptacle more frequently.

Once the dirt receptacle is emptied, you push the return button to reset the 25 hours timer. If your power supply is interrupted, or otherwise unplugged, the empty dirt receptacle indicator will keep a memory of its previous status and continue life measure.

To manually reset the Empty Dirt Receptacle indicator, simply press the button lining up with the Enter symbol, and hold for 10 seconds.

SERVICE INDICATOR



Refer to page 10 LCD Image Guide for more information.

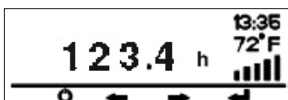
If there is a system fault, or malfunction with your power unit, the service indicator will flash. Upon seeing this symbol, we recommend that you turn the power unit off, unplug the power supply for 10 seconds and then plug it back in. If the service symbol is still on the screen, we recommend that you call for service.

This symbol may appear due to the following faults:

- Maximum system run time
- Motor problem
- Electronic problem
- Voltage or current problem (too high or too low)
- Power unit not responding to electronics

SYSTEM RUN TIME

Your Eureka central vacuum will track the total running time of the system and notify you when it time for service.



Refer to page 10 LCD Image Guide for more information.

After the power unit has ran to its maximum allotted time, the LCD screen will indicate that a service call is required. Call your central vacuum service professional to diagnose your system, perform routine maintenance and ensure optimum efficiency.

SCROLLING YOUR LCD

When not in use, you can scroll through the features of your LCD to observe the dirt receptacle status, life monitor measure or most recent recorded power level.

To scroll through these features simply push the button corresponding with the right pointing arrow symbol.

The next screen you will see will be the Life Meter. Scroll right further and you will find Bucket Status. Yet another scroll will show you last recorded performance levels of the power unit, using the Performance Meter on the In-Use screen. The final scroll right will show you the customer service phone number.

The button lining up with the left scroll button will allow you to scroll backwards through the screens.

BAG ADAPTOR

Your power unit can be fitted with an ARM & HAMMER® replaceable bag for more convenient dirt disposal.

Refer to page 27 - Image 10

UTILITY VALVE

The utility valve is similar to an Inlet valve, but is located near the power unit. This valve is present for your convenience, as it can help clean up any dirt spilled close to the central vacuum.

EMPTYING THE DIRT RECEPTACLE

Most models feature dirt receptacles with windows to tell at a glance when the dirt receptacle should be emptied. In most cases, the dirt receptacle only needs to be emptied two to three (2-3) times a year. To remove the dirt receptacle, press the buttons on the receptacle handles. Remove and empty the contents. Return the receptacle by attaching the bucket to the power unit. To avoid suction loss make sure the receptacle is securely attached.

Refer to page 27 - Image 11

FILTER MAINTENANCE

The internal Triumph HEPA filter is permanent and self cleaning. However, if you have questions about your permanent self-cleaning filter, please contact your local authorized dealer/distributor.

PAPER BAG FILTERS - OPTIONAL

The volume of the ARM & HAMMER® paper bag is 22 liters. A full dust bag reduces the systems performance. Depending on how often you use your central vacuum system, the dust bag may need to be changed 2-3 times per year – and can be obtained at your local dealer/distributor.

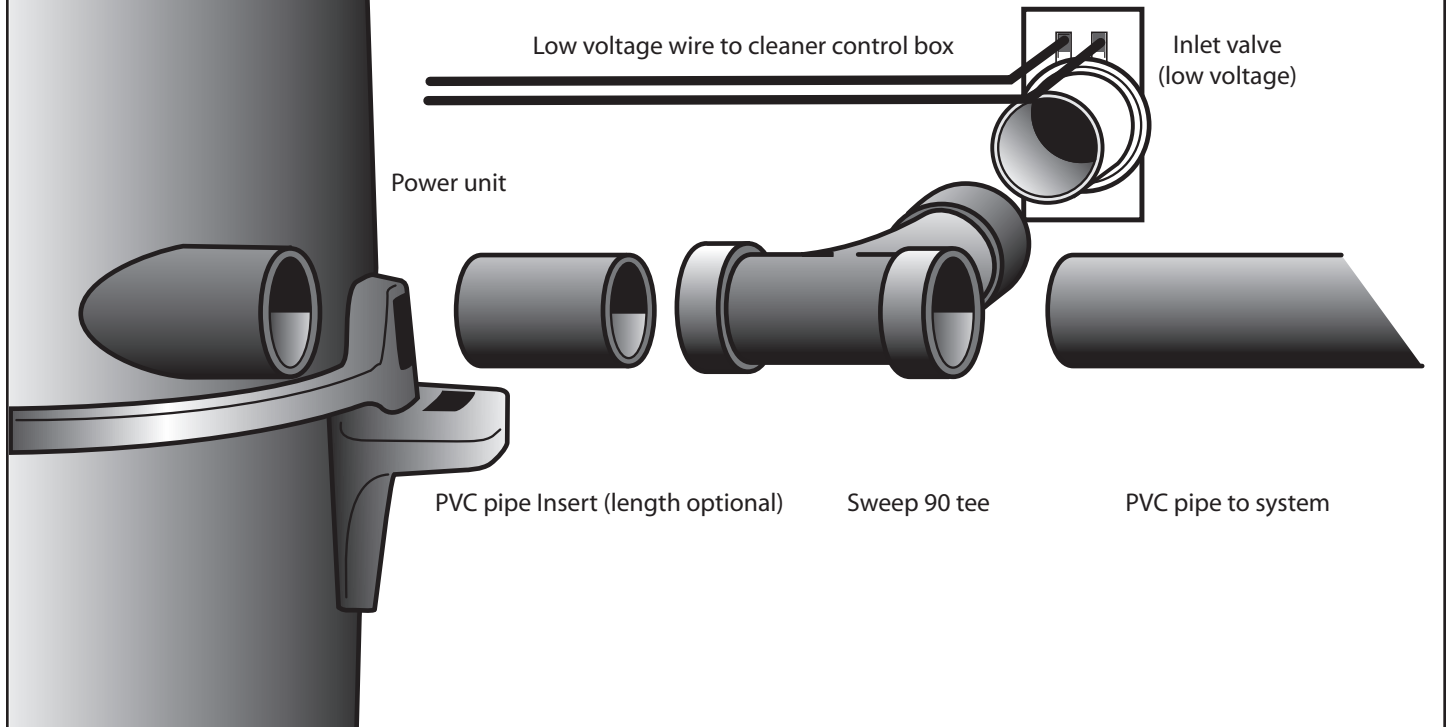
Instructions for changing the dust bag:

1. Remove the power unit dirt receptacle.
2. Loosen the dust bag from the intake tube, remove and dispose.
3. Place and press the new dust bag firmly into the tube.
Turn the dust bag's opening to make it fasten firmly on the tube.
4. Put the dirt receptacle back on the central power unit.

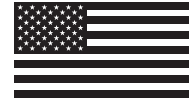
PARTIAL/TOTAL LOSS OF SUCTION POWER

- Be sure dirt receptacle is on properly.
- Empty dirt receptacle.
- Remove debris from filter.
- Be sure each inlet valve is properly closed.

Instructions to install utility inlet – optional



EUREKA WARRANTY - USA



WHAT THIS WARRANTY COVERS

Your Eureka Vacuum System Unit is warranted to be free from all defects in material and workmanship in normal household use for seven to ten years (dependant on model) from the date of purchase for all parts and one year for labor.

Model: ECV5200	7 Year Motor and Electrical Guarantee
Model: ECV5300	7 Year Motor and Electrical Guarantee
Model: ECV5400	10 Year Motor and Electrical Guarantee
Model: ECV5500	10 Year Motor and Electrical Guarantee
Model: ECV5600	10 Year Motor and Electrical Guarantee

Your vacuum system accessories are warranted for a period of two years. The warranty is granted only to the original purchaser and members of his or her immediate household. The warranty is subject to the following provisions.

WHAT THIS WARRANTY DOES NOT COVER

- Damages or malfunctions caused by negligence, abuse, acts of God, Failure to provide proper maintenance, or use not in accordance with Owner's Guide.
- Defects or damages caused by unauthorized service or the use of other than Genuine Eureka parts.
- Installation materials or damage caused by faulty or improper installation, modification, or alteration of the power unit.
- Parts of the Accessories that require replacement under normal use, such as drive belts, light bulbs, and brush roll bristles.

WHAT THE EUREKA COMPANY WILL DO

The Eureka Company will, at its option, repair or replace a defective power unit, accessory, or part that is covered by this warranty. As a matter of warranty policy, the Eureka Company will not refund the consumer's purchase price.

PRODUCT REGISTRATION

Keep all payment records and proof of purchase. The date on these records established the warranty period. If proof of purchase cannot be supplied, the warranty period will be determined from the date of manufacture of the product. To place on file proof of the required information, fill out and return the registration card accompanying your cleaner or registration online at www.eureka.com.

OBTAINING WARRANTY SERVICE

To obtain warranty service you must return the defective cleaner or cleaner part along with proof of purchase to any Eureka Authorized Station. Be certain that the Warranty Station is "Eureka Authorized Service and Repair." For the Location of the nearest Eureka Authorized Warranty Station or for service information, telephone toll free: USA: 1-800-282-2886

FURTHER LIMITATIONS AND EXCLUSIONS

This is the sole and exclusive warranty of The Eureka Company. Any warranty that may be implied in connection with your purchase or use of the cleaner, including any warranty of Merchantability or any warranty for fitness for a particular purpose is limited to the duration of this warranty. Some states do not allow exclusions of warranties or limitation of damages so the above limitations may not apply to you. Your relief for the breach of this warranty is limited to the relief expressly provided above. In no event shall Eureka be liable for any consequential or incidental damages you may incur in connection with your purchase or use of the cleaner. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights. You may also have other rights, which VARY, BY STATE.

QUESTIONS & ANSWERS ABOUT GENUINE EUREKA PRODUCTS

Q: Why should I use only Genuine Eureka paper bags, belts, and parts in my Eureka Vacuum cleaner?

A: Using Genuine Eureka Products, Which are made to our exacting specifications and engineered with emphasis on quality, performance, and customer satisfaction, ensures the long life and cleaning efficiency of your vacuum cleaner. Overall, this saves you money and helps to keep your home clean.

Q: How can I be sure I am using only genuine Eureka products in my vacuum cleaner?

A: Typically, packaged products and paper bags can be identified by the Eureka logo. For further identification assistance, you may call our toll-free number, 1-800-282-2886, for the location of a nearby Eureka Authorized Warranty Station.

Q: Are there any differences between "made to fit" or "imitation" and Genuine Eureka Paper bags, belts, and parts?

A: Yes, there are some very important differences in materials, quality, and reliability. Many customers have mistakenly purchased "imitation" paper bags and parts while thinking they purchased genuine. Unfortunately, many of these customers discovered the differences after they experienced related difficulties.

For Genuine Eureka Value, Accept No Imitations!

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EUREKA WARRANTY - CANADA



LIFETIME LIMITED WARRANTY

The materials and workmanship in your new central vacuum are guaranteed against material defects for as long as you own the system. The foregoing warranty applies only to the power unit body, the filters, the inlet valves and the Eureka ducting system, which is also guaranteed against clogs.

90 DAY MONEY-BACK GUARANTEE

Your Eureka central vacuum is guaranteed to bring you total satisfaction. If, for any reason, it does not perform as advertised within 90 days from the date of purchase, you can return it to your dealer for exchange, refund, or model upgrade credit on the full product price.

THREE YEAR GUARANTEE ON ACCESSORIES

If any Eureka central vacuum accessory (power head, current-carrying hose and cleaning tools) fail to perform as advertised due to faulty workmanship or material for a period of three years from date of purchase, simply return it to your Eureka warranty centre. The item will be repaired or replaced free of charge. The foregoing warranty does not apply to naturally wearable items such as bags, belts, or bulbs. Repair labour on parts replacements is covered for a period of one year.

MOTOR AND ELECTRICAL GUARANTEE

The electrical components and the motor of your Eureka central vacuum, including the carbon brushes will be free from defects in (dependant on model) from the date of purchase for all parts and one year for labour.

Model: ECV5200	7 Year Motor and Electrical Guarantee
Model: ECV5300	7 Year Motor and Electrical Guarantee
Model: ECV5400	10 Year Motor and Electrical Guarantee
Model: ECV5500	10 Year Motor and Electrical Guarantee
Model: ECV5600	10 Year Motor and Electrical Guarantee

N.B. These warranties apply only under normal conditions of residential use of your Eureka Vacuum In Canada. Except for the 90 day money-back guarantee, the sole and exclusive remedy for any of the foregoing warranties shall be the repair or replacement of the product, at our option, provided that the product is retained during the warranty period. This warranty does not meet (a) damage born any cause other than manufacturer's defect including, without limitation, misuse, abuse or unreasonable use of the product (including use of the product on drywall dust), neglect or accident relating the use of the product. This warranty is in lieu of all other warranties and conditions of any kind whether expressed, implied or statutory including, without imitation implied warranties and conditions of merchantability and fitness for a particular purpose. **A bill of sale, or copy, will be required when making warranty claims. Modifications to the product may void the warranty.**

Eureka is not responsible for any consequential incidental damages arising from use of the system.

WHAT THIS WARRANTY DOES NOT COVER

- Damages or malfunctions caused by negligence, abuse, acts of God, Failure to provide proper maintenance, or use not in accordance with Owner's Guide.
- Defects or damages caused by unauthorized service or the use of other than Genuine Eureka parts.
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OBTAINING WARRANTY SERVICE

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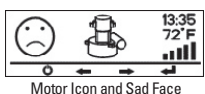
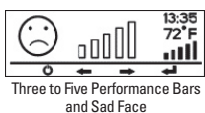
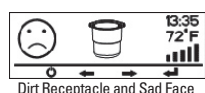
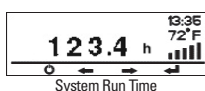
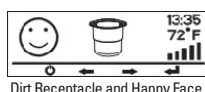
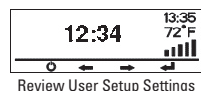
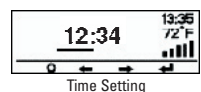
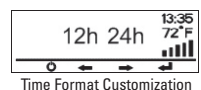
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LCD INSTRUCTION MANUAL - READ THIS MANUAL THOROUGHLY BEFORE USE

MAIN SCREEN

The main screen is shown when the system is connected to an electrical outlet. This is the screen displayed in regular operations mode with full system performance. The system performance plus local time and temperature can be viewed from the Main Screen.

Along the bottom of the screen the following icons are displayed from left to right, the Power (ⓘ) icon, the Left (←) and Right (→) Toggle Arrow icons and the Enter (↵) icon. To scroll through the LCD menus, the button directly below each corresponding icon executes the navigational feature.

USER SETUP

Your LCD enabled power unit provides the ability to customize the temperature (Celcius or Fahrenheit) and time formats (12-hour or 24-hour). Formats can be customized using the USER SETUP menu. To enter the USER SETUP menu, press the <Enter> button.

Temperature Customization

Use the Left and Right toggle buttons to select the temperature format of either C or F. Once the correct format has been selected, press the <Enter> button to proceed to the next screen.

Time Format Customization

Use the Left and Right toggle arrows to select the temperature format of either 12 or 24 hours. Once the correct format has been selected, press the <Enter> button to proceed to the next screen.

Time Setting

The time can be changed by using the Left and Right toggle buttons. The first number field in the display is underlined with a bar, indicating that it can be adjusted with the toggle buttons. Press the <Enter> button to proceed to the next number field.

Review User Setup Settings

The next screen displays the temperature and time with the user selected formats. Press the <Enter> button to return to the Main Screen

SYSTEM CHECKS

The System Checks menu provides the ability to monitor overall system performance. Specific elements monitored include the dirt receptacle level, airflow performance, motor and electrical systems, and the need for power unit service. The happy face indicates that each monitored element of the power unit is performing at optimal levels. Use the right and left toggle buttons to scroll through the SYSTEM CHECK screens to view each system monitoring element.

Main Screen

Dirt Receptacle and Happy Face

This display denotes that the dirt receptacle does NOT currently need to be emptied.

Three to Five Performance Bars and Happy Face

This display indicates the system is performing at the optimal airflow level. The power unit motor is operating at optimum performance when all five power bars are illuminated. Normal operating performance is when three to five bars are shown. Performance levels will decrease as the filter is loaded with debris or as the motor has significant wear. Fewer bars will be illuminated as performance decreases.

When the power unit is off, the display will illuminate the airflow level of the last operating cycle. Note: It is also normal to see changes in performance when specialty attachments are used.

Motor Icon and Happy Face

This display indicates all electrical and motor components are functioning properly.

Telephone Icon and Happy Face

This screen indicates that the system has NOT encountered any error conditions and it is NOT necessary to call for service at this time.

System Run Time

This display shows you the overall number of hours that the power unit has operated. It shows your total time of vacuuming with the system.

SYSTEM ALERTS

Your LCD enabled power unit is constantly monitoring the system status. In the event of an error condition, it will provide a system alert on the LCD in place of the Main Screen. The sad face indicates that the power unit has experienced an error condition. The power unit may display the following alerts:

Main Screen Appears Flashing

If the power unit receives an excess of electricity such as an over current situation, the Main Screen will start flashing.

The flashing Main Screen indicates that the power unit has automatically recovered from an error situation and will operate properly when powered on.

Bucket Icon with Sad Face

This screen will be displayed when the dirt receptacle needs to be checked for emptying. After checking (and possibly emptying) the bucket, press the <Enter> button to return to the Main Screen. This will reset the timer for the bucket monitor.

Empty/Flashing Power Bars with Sad Face

This screen is displayed when the power unit motor is unable to operate at optimal system performance. When only 2 bars or less are illuminated, the airflow is restricted, meaning the vacuums cleaning power has decreased. If the remaining bars are flashing, the airflow restriction has been present for more than 12 minutes of vacuuming and attention is urgent. Air flow can be restricted by several factors:

- 1) **Loaded Filter** (see "Filter Maintenance" section of the Power Unit Owner's Manual)
- 2) **System Blockage** (see "Trouble Shooting" section of the Power Unit Owner's Manual)
- 3) **Motor Wear** (contact an authorized service technician)

The most common cause is a loaded filter, and the system performance can be restored by cleaning the filter. Alternatively, there may be a system blockage, and the hose and piping system needs to be checked for blockage.

Motor Icon with Sad Face

This screen indicates that the motor has shut down due to an electrical fault. When the system experiences an electrical failure it will attempt to automatically reset after a 15 to 30 second delay. Once recovered, the display will return to the flashing Main Screen, indicating that the power unit has been reset and will operate properly when powered on.

In the event that the system is unable to automatically reset, the display will switch to the Phone Icon with a Sad Face screen, indicating the need to contact your dealer for service. This indicates a motor failure, where service is needed.

Phone Icon with Sad Face

This screen will be displayed for either of two reasons:

- 1) The system experiences a failure that requires repairs by an authorized service technician.
- 2) The power unit has reached the maximum hours in its life-cycle. Service is now required. To resolve this system alert, contact your dealer.

