REVISION SHEET FOR LMOF01

Release No.	Date	Revision Description
1	09/27/23	Initial design/release
2	01/18/24	Manual Update, Battery Information, Part Numbers, Images
3	07/01/25	Revising Safety Information

Kaivac, Inc. 2680 Van Hook Ave. Hamilton, OH 45015 Customer/Technical Support 1-800-287-1136



Do not attempt to operate the machine before reading and understanding this manual. Pay close attention to all WARNINGS, CAUTIONS and NOTICES. **Failure to do so may cause serious injury or death**, and/or damage to property or your Kaivac product.

NOTE: Specifications and parts are subject to change without notice.

For most up to date safety information, visit kaivac.com

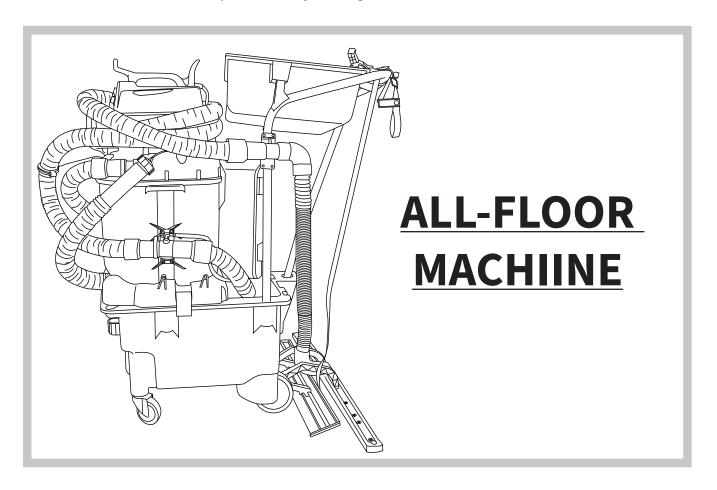
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1.1 PRODUCT IDENTIFICATION

This manual corresponds to the following machines below



1.2 WARRANTY REGISTRATION

Thank you for purchasing a Kaivac product. Please take a few moments to register your product at kaivac.com/warranty.

Why register?

- Ensure your warranty coverage
- Simplify warranty service in the future with your information on file
- Be the first to know about upgrades, issues, new options and special offers.

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1.3 LIMITED WARRANTY PROTECTION PLAN

5 YEAR TROLLEY/TANK AND 1 YEAR PARTS AND LABOR (EXCLUDING BATTERY) Kaivac warrants to the original purchaser/user that the vacuum tank and bucket body are free from defects in workmanship and materials under normal use for a period of Five Years, and the battery interface and components (excluding Lithium-ion battery), vacuum motor, and spray system are free from defects in workmanship and materials under normal use for a period of One Year. This warranty does not include accessories or wear items. Items EXCLUDED from coverage: Squeegee blades and wheels, hoses, seals, gaskets, cords, casters, HEPA filter cartridges, chemical feed caps, spray gun, GFCI, vacuum wand assembly and other accessory tools.

• Please Note: using inappropriate chemicals constitutes misuse of these machines. These machines are not meant to be used with high-foaming or corrosive chemicals. Please check with your distributor or with Kaivac if you have questions about your chemical.

Battery Program Details

- Battery Warranty covers 2 years on a defective Battery.
- Battery Warranty covers the replacement of the Battery unit.
- Battery replacement remains under Warranty only for the remaining Warranty period of the original Battery unit (for a maximum of 2 years from the date of purchase of the unit).

WARRANTY LIMITATIONS:

- This warranty does not assume responsibility for damage or faulty performance caused by misuse or abuse, or where repairs or modifications have been made or attempted. Kaivac will make the final determination on whether the damage falls under this limited warranty for manufacturer's defects.
- The following actions constitute misuse or neglect of the battery that void the warranty of the battery:
 - Any modifications to the unit may nullify any warranty
 - Improper installation of the Quick Change battery
 - Exposure of the battery to temperatures above and below the battery limits
 - Use of any charger besides the supplied Kaivac® charger
 - Dropping the battery box
 - Long term storage of the battery without maintaining a battery charge of 25 to 40% capacity
 - Removal of the vacuum motor cord strain relief will void warranty. Do not remove the strain relief.
- UNDER NO CIRCUMSTANCES WILL KAIVAC BE LIABLE FOR ANY LOSS, DAMAGE, EX-PENSES OR CONSEQUENTIAL DAMAGES ARISING IN CONNECTION WITH THE USE OR INABILITY TO USE THE KAIVAC UNIT. THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

1.4 IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

CONSULT KAIVAC.COM FOR THE MOST UP TO DATE SAFETY PRECAUTIONS READ ALL INSTRUCTIONS BEFORE USING THIS UNIT IMPROPER USE OF UNIT CAN RESULT IN SERIOUS INJURY OR DEATH.



CAUTION

SAFETY ALERT WARNING indicates a hazardous situation which, if not avoided, COULD result in serious injury or death

SAFETY ALERT CAUTION indicates a hazardous situation which, if not avoided, COULD result in minor to moderate injury.

NOTICE

NOTICE provides key information by clarifying instructions.

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



GENERAL SAFETY INSTRUCTIONS (APPLICABLE TO CORDED AND BATTERY UNITS):

- For commercial use only.
- Use unit only as described in this Manual. Use only Kaivac's recommended attachments.
- Follow the maintenance instructions specified in this Manual.
- For indoor use only.
- Store indoors.
- Stay alert watch what you are doing.
- Keep operating area clear of all persons.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- NO COMBUSTIBLES! Sparks inside the motor can ignite flammable vapors or dust. Do not use unit near combustible liquids and gases, or to pick up explosive dusts or gasoline.
- Know how to stop the unit and bleed pressures quickly. Be thoroughly familiar with the unit's controls before operating.
- DO NOT allow unit to be used as a toy and unit should not be operated by children. Close attention is necessary when used near children.
- Use extra care when cleaning on stairs.
- DO NOT operate the unit when fatigued or under the influence of alcohol or drugs.
- DO NOT put any object into unit's openings. Do not use with any of the unit's opening blocked; keep free of dust, lint, hair, and anything
- DO NOT pick up anything that is burning or smoking, such as cigarettes, matches or hot ashes.
- DO NOT overreach or stand on unstable support. Keep good footing and balance at all times.

 DO NOT operate without the Vacuum Motor Float Cage installed. If float is removed, reinstall by screwing back into place.
- Personal Protective Equipment (PPE): It is recommended to wear proper personal protective equipment as required by the chemical product label instructions used in conjunction with the unit. For Kaivac chemical products, refer to product label.

SPRAY SYSTEM SAFETY INSTRUCTIONS:

- DO NOT spray liquid from the unit or attachments onto electrical outlets or any electrical devices.
- Risk of injection or injury to persons DO NOT direct discharge stream at persons.

 INJECTION HAZARD: Unit can cause serious injury if the spray permeates the skin. Do not point the spray gun at anyone or any part of the
- body. In case of permeation, seek medical aid immediately.

 THIS UNIT IS CAPABLE OF PRODUCING 500 PSI (3447 kPa). To avoid rupture and injury, do not operate this pump with components rated less than 500 PSI (3447 kPa) working pressure (including but not limited to spray guns, hose, and hose connections); and before servicing, cleaning or removal of any part, shut off power and relieve pressure.
- High pressure cleaners, such as this unit, shall not be used by children, persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge or untrained personnel. Children should not play with the unit. Cleaning and user maintenance should not be performed by children.

CORDED UNITS SAFETY INSTRUCTIONS (APPLICABLE TO CORDED UNITS):

- Inspect cord and plug prior to use. Do not use with damaged cord or plug. If unit is not working as it should, has been dropped, damaged, left outdoors or dropped into water, do not use or charge and return unit to a Kaivac service center.
- Test the unit's ground fault circuit interrupter (GFCI) before each use.

 Turn off the unit before unplugging. Do not leave unit when plugged in. Unplug from outlet when not in use and before servicing.

 Turn off all controls before unplugging.

- Connect to a properly grounded outlet only. Do not remove ground pin on plug. See Grounding Instructions below.

 This unit may also have been provided with a ground fault circuit interrupter built into the power cord. If replacement of the plug or cord is needed, use only identical replacement parts.
- This unit comes with a grounded attachable extension cord. If cord is damaged, replace with equivalent 120v, 15amps, 14GA rated cord. This cord must be attached and mechanically secured using the provided cord connector to use the unit.
- The unit must be disconnected from any electrical or battery source when the unit is being cleaned or maintenance of unit or when replacing parts
- Keep all connections dry and off the ground.
- Keep the cord away from heated surfaces.
- If using extension cord with unit, make sure the connection is above and off the floor and away from exposure to liquid.
- DO NOT handle plug or unit with wet hands.
- DO NOT pull or carry by cord, use cord as handle, close a door on cord, or pull cord around sharp edges or corners. Do not run unit over cord. Keep cord away from heated surfaces.
- DO NOT unplug by pulling on cord. To unplug, grasp the plug, not the cord.

1.4 IMPORTANT SAFETY INSTRUCTIONS (CONTINUED)

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

SAVE THESE INSTRUCTIONS CONSULT KAIVAC.COM FOR THE MOST UP TO DATE SAFETY PRECAUTIONS READ ALL INSTRUCTIONS BEFORE USING (THIS UNIT)

IMPROPER USE OF PRODUCT CAN RESULT IN SERIOUS INJURY OR DEATH.



BATTERY UNITS SAFETY INSTRUCTIONS (APPLICABLE TO BATTERY UNITS):

- Never use a battery that has been damaged in any way. Damaged batteries may exhibit unpredictable behavior.
- Never use or charge a damaged battery pack.
- ONLY USE with Kaivac, Inc. battery, and charger.
- Inspect the battery before each use for damage, dents, cracks, or holes.
- The battery splash cover must remain in place. Without the battery splash cover, the battery housing may become damaged which may cause the battery to malfunction, which can result a fire, explosion, personal injury, and/or property damage.
- If your unit contains a chemical-resistant plastic protective helmet, consult the Helmet Addendum for additional instructions and warnings.
- Exposure of units to airborne polyunsaturated fats in the food service industry may cause deterioration of battery components. Failure to inspect and use as instructed may result in fire explosion, personal injury, or property damage.
- Under certain conditions, including damage or liquid infiltrating the battery's interior cells, the battery may emit smoke, sparks, or fire. Liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
- Stop use immediately if the battery or unit sparks or shows signs of fire. And may result in fire.
- If unit or battery emits fumes, smoke, sparks, or fire, discontinue use immediately. Do not touch battery. If unit can be safely moved, move outside to a well ventilated fire safe area away from people or combustible material.
- DO NOT attempt to repair, service or modify the batteries or charger. Contact Kaivac Technical Support with any issues.
- Disconnect the battery from the unit before making any adjustments, changing accessories, or storing unit. Such preventive safety measures reduce the risk of starting the unit accidentally.
- When charging battery, make sure charger or unit has at least 6 inches of clearance on all sides for adequate air flow.
- When battery is not in use, keep it away from other metal objects like paper clips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another. Connecting or shorting the battery terminals together may cause burns or a fire.
- Keep heat sources, sparks, and flames away from batteries.
- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to battery, picking up or carrying the unit. Do not carry the unit with your finger on the switch. Energizing an unit that has the switch on invites accidents.
- DO NOT allow battery to be submerged in water.
- DO NOT use a battery that has been submerged in water, or if water has infiltrated the battery housing even if it appears to be working.
- DO NOT charge batteries outdoors.
- DO NOT short-circuit the battery or charger terminals with conductive items such as paper clips. This can deliver high current.
- DO NOT crush or drop the battery.
- DO NOT expose a battery or unit to fire or excessive temperature. Exposure to fire or temperature above 265°F (130°C) may cause explosion.
- DO NOT use or store the NTC System or battery in refrigerated areas, in environments when the battery is in direct contact with liquids, or near flammable or combustible materials.
- DO NOT charge or store battery for extended time (1 month or more) in temperatures below 40°F (4°C).
- DO NOT remove any part of the battery, charging unit, or unit: If your unit has a chemical-resistant plastic protective helmet, do not remove it
- DO NOT plug battery in while Vacuum Motor is in ON position. It may damage the system.
- DO NOT incinerate the battery even if it is non-working or severely damaged. The battery can explode in a fire.
- DO NOT leave battery connected to charger once the charger light is green. Leaving battery on charger will diminish the life of the battery
- Never dispose of the battery in the trash. It is important that your old, damaged battery is disposed of and/or returned as instructed by Kaivac Customer Care/Technical Support at 1-800-287-1136.

1.4 IMPORTANT SAFETY INSTRUCTIONS (CONTINUED)

SAVE THESE INSTRUCTIONS CONSULT KAIVAC.COM FOR THE MOST UP TO DATE SAFETY PRECAUTIONS READ ALL INSTRUCTIONS BEFORE USING (THIS UNIT) IMPROPER USE OF UNIT CAN RESULT IN SERIOUS INJURY OR DEATH.

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



CHARGER/ELECTRICAL WARNINGS:

- Inspect the charger, cords, and connections prior to each use.
- Follow all charging instructions and do not charge the battery or unit outside of the temperature range specified in the instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
- Connect charging cord to a properly grounded outlet only. See Grounding Instructions.
- DO NOT use charger if it has a damaged cord or plug.
- DO NOT operate charger if it has received a sharp blow, been dropped, or damaged in any way.
- DO NOT handle charger, including charger plug and charger terminals, with wet hands while charger is plugged in or while inserting plug into electrical outlet.
- DO NOT leave charger plugged in when not in use.
- DO NOT plug in charger while Vacuum Head is in ON position. It may damage the unit's electrical system.
- DO NOT pull on charger cord to unplug. Grasp and pull the plug, not the cord.
- DO NOT carry charger by cord.

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1.5 BATTERY INFORMATION

Keep Batteries at Room Temperature: Store between 32 and 113 degrees F (0°C to 45°C). Avoid battery exposure to extreme temperatures. If shelving battery longer than (1) month, deplete battery to 50% charge during storage period (two bars on the battery indicator).

Batteries Lose Capacity Over Time: Batteries naturally deteriorate over time whether being used or not. If battery use instructions are properly followed, batteries deteriorate at a rate of approximately 10% run time per year but may vary by patterns of use.

Fully Discharge vs. Partial Discharge and the Effect on Battery Cycles: Unlike lead acid batteries, the Lithium-ion battery used with Kaivac equipment is not damaged by full or partial discharging. The expected battery hours of use are approximately 600 hours and 400 charge cycles. If you discharge battery only to 80%, then the user can expect to get more cycles (500 cycles). With dual batteries make sure to alternate batteries per charge in order to maximize for life capacity.

Extended Storage: It is recommended to discharge to 50% capacity (two bars on the battery indicator) and store in a cool location (between 32°F to 113°F or 0°C to 45°C). To avoid battery impact, store battery laying down on its side on lowest shelf, and secured. If battery is dropped or experiences an impact or damage, discontinue use and replace. Never use a damaged battery, as a damaged battery may act in an unpredictable manner resulting in fire, explosion, property damage, or personal injury.

Battery Gauge: The Kaivac provided battery comes with a built-in Battery Gauge or which shows the approximate run time for the current charge remaining.

Replacement - End of Life: Rechargeable batteries eventually wear out. When your Kaivac Battery run time is less than 55% (i.e. 50 minutes for non-quick change and 33 minutes for Quick Change batteries), Kaivac recommends replacing your battery. Regardless of run time, contact Kaivac to replace your battery after 4 years. Consult kaivac.com for information on recycling your old battery through a licensed disposal facility.



<u>DO NOT DISCARD BATTERY INTO TRASH!</u> It is important to recycle your old batteries at your local authorized battery recycling facility or by calling 1-800-USA-CLEAN (1-800-872-2532) and selecting Option 3.

Battery Specifications	
Weight	With Box, 11 lbs. (4,9 kg)
Body Material	Injection Mold Polypropylene
Dimensions (H x W x D)	18 x 7 x 5 in. (45,7 x 17,8 x 12,7 cm)
Voltage	36V DC
Battery Capacity	15 A-hr
Battery Current	15 A DC
Battery Type	Lithium-lon
Approx. Run Time BOL (Beginning of Life)	60 minutes
Approx. Run Time EOL (End of Life)	35 minutes (discontinue use and take to recycling center)
Battery Box Receptacle	IP65 / IP67 (not required for UL)
Run Time Hour Meter	Acts as "odometer for battery" and runs only when motor switch is ON
Approx. Charge Cycles	400 @ 100% discharge / 500 @ 80% discharge
Cut off Voltage (fully discharged)	30V
Charger Specifications	
Approx. Charge Time	5 hours
Charger Amps	4 Amps
Charge Voltage	42V DC
Charger Voltage	110-240VAC / 36VDC (240VAC version only needs correct plug for wall outlet)
Charging Robustness	No special instructions
Battery Charge Memory	None
Battery Charge Gauge	Yes, LED Indicator
Approx. Charge Cycles	400 @ 100% discharge / 500 @ 80% discharge
Storage/Inventory:	
Storage & Operation Ambient Temp	32°F (0°C) to 113°F(45°C)
Storage & Shipping Charge	40-60% Charge (35-38VDC)

1.6 Grounding Information



Grounding: Corded Units

GROUND FAULT CIRCUIT INTERRUPTER PROTECTION (for spray systems only)

If your unit is a corded unit, it has been supplied with a ground-fault circuit-interrupter (GFCI) built into the plug of the power-supply cord. This GFCI device provides additional protection from the risk of electric shock. Should replacement of the plug or cord become necessary, use only identical replacement parts that include GFCI protection.

If your unit is a corded unit, it is for use on a nominal circuit and has a grounding attachment plug. Make sure that the appliance is connected to an outlet having the same configuration as the plug. No adapter should be used with this unit.

GROUNDING INSTRUCTIONS

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



Improper connection of the unit-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 unit by removing the ground pin on the plug – if the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

This unit comes with a grounded attachable extension cord. If damaged, replace with Kaivac® (OEM) cord, or if necessary an equivalent cord rated 120V, 15 amps, 3-wire, 14 GA. This cord must be attached and mechanically secured using the provided cord connector to use the unit.

Grounding: Battery Units

GROUNDING INSTRUCTIONS

The charger 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 unit is equipped with a cord having 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.

Improper connection of the unit-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 unit by removing the ground pin on the plug – if the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

This unit is for use on a nominal circuit and has a grounding attachment plug. Make sure that the unit is connected to an outlet having the same configuration as the plug. No adapter should be used with this unit.

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1.6 Grounding Information (Continued)

Make sure your extension cord is in good condition and is the correct size for your unit. Table 1 shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gage number, the heavier the cord. An undersized extension cord will cause a drop in line voltage resulting in loss of power and overheating.

Use only three-wire outdoor extension cords that have three-prong grounding receptacles that accept the unit's plug.

RISK OF ELECTRIC SHOCK OR FIRE

To reduce the risk of personal injury due to a loose electrical connection between the unit's plug and extension cord, firmly and fully attach the unit plug to the extension cord. Periodically check the connection while operating the unit to ensure it is fully attached. Do not use an extension cord that provides a loose connection. A loose connection may result in overheating, fire, and increases the risk of a burning.

To reduce the risk of disconnection of the unit's cord from the extension cord during operations:

• Make a knot as shown in Figure 1 below:

WARNING

Figure 1 - Method of securing the appliance cord to the extension cord set

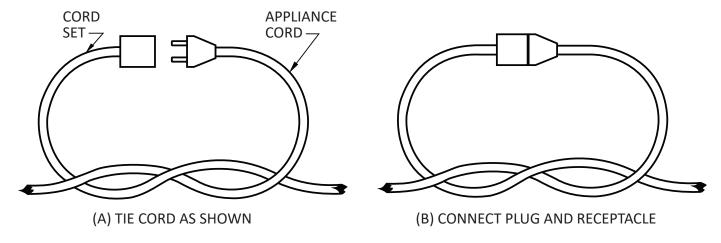


Table 1 - Minimum gauge for extension cords

Ampere rating		Volta	Total length of cord			
		Volts	7.62 m (25 ft)	15.24 m (50 ft)	30.48 m (100 ft)	45.72 m (150 ft)
More than, A	Not more than, A	120 V	mm² (AWG)			
0	6	_	0.82 (18)	1.3 (16)	1.3 (16)	2.1 (14)
6	10	_	0.82 (18)	1.3 (16)	2.1 (14)	3.3 (12)
10	12	_	0.82 (18)	1.3 (16)	2.1 (14)	3.3 (12)

2.1 BATTERY HOUSING AND CHARGING

WARNING RISK OF FIRE, EXPLOSION, PROPERTY DAMAGE, OR PERSONAL INJURY OR DEATH

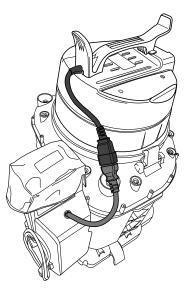
Inspect battery housing, plug, cord, splash cover, and helmet (if applicable) for damage including cracks, separation, dents, holes, missing pieces, or fraying. Do not charge or use if damaged.



Lower battery down into the battery housing.



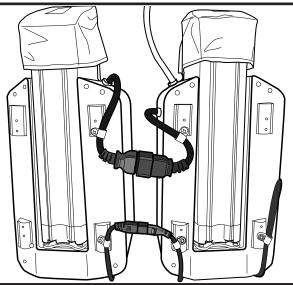
Place and secure the Splash Cover over the battery top.



Connect the plug from the battery housing into the vacuum motor plug.



To charge the battery, keep the battery in the battery housing.
Locate the cord wrapped around the cleats connected to the battery housing, plug into an outlet to begin charging.



For Dual battery units, ensure Power Cords are connected and the charger cord at the bottom is connected.

Toggle the yellow Battery Switch to change the battery usage.

Left Battery

BATTERIES RIGHT BATTERY

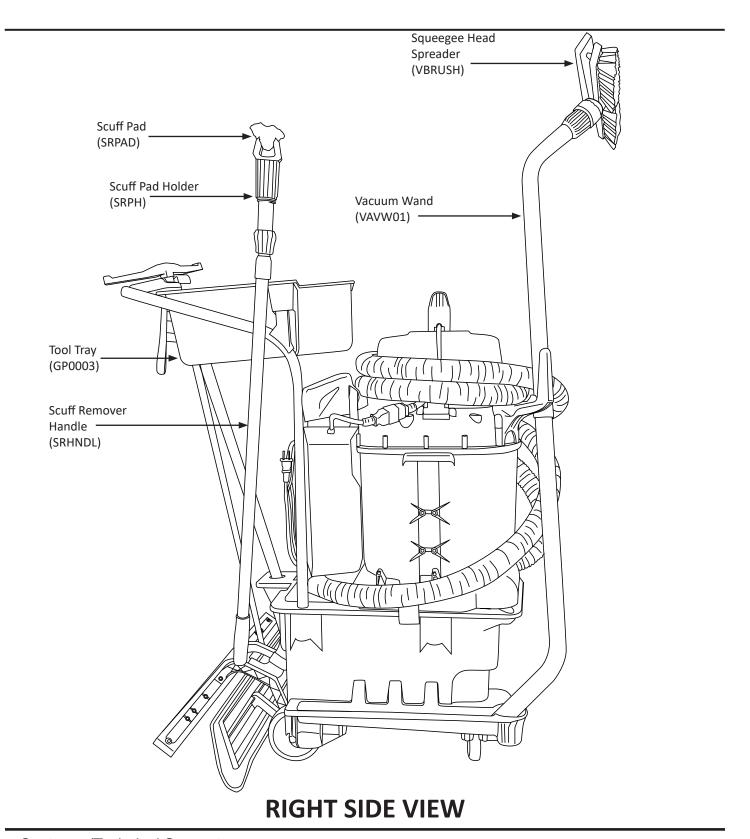
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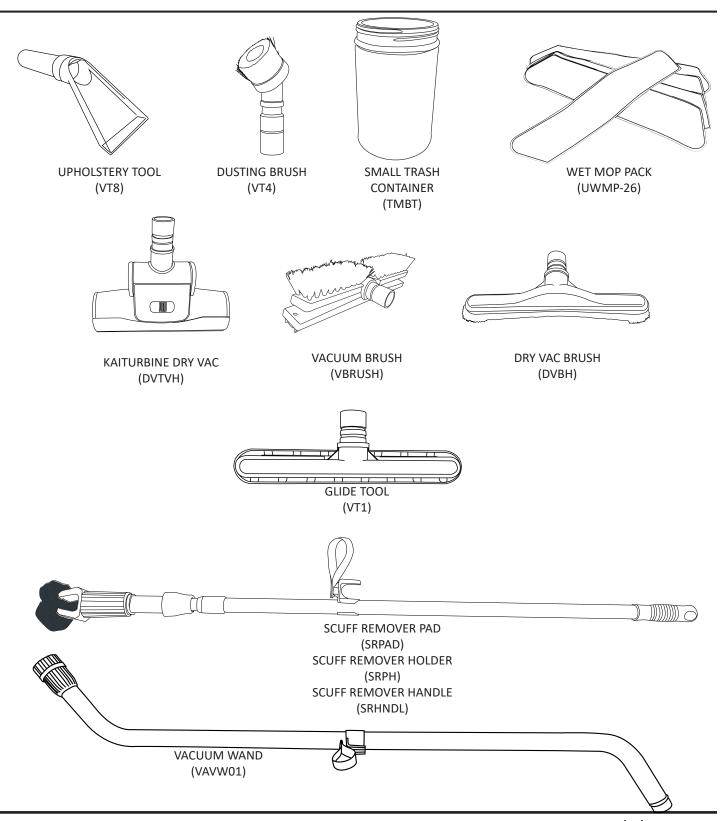
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ON

2.2 TOOL ARRANGEMENT



2.3 MACHINE ACCESSORIES



2.4 Preparation For Use

1.	Unplug the charger from the battery if applicable. Awarning RISK OF ELECTRIC SHOCK Avoid getting water on the unit.	
2.	Inspect battery, housing, plug, cord, splash cover, and helmet (if applicable) for damage, including cracks, separation, dents, holes, missing, pieces, and fraying cord or wires.	
3.	Fill trolley with clean, cool water. Fill with water before carpet use. Use the fill marker inside the trolley to measure how much water is inside. Refer to section 2.5 <i>Filling The Unit</i> for additional information on filling the unit, and the spare water reservoir.	
5.	Clean and spray the Float Cage located inside the Vacuum Head. Ensure Float Cage is in place. Clean Float Cage regularly. A CAUTION RISK OF INJURY Do not use if Float Cage is not in place.	
6.	Check machine for all tools and supplies needed to complete task. See <i>Accessories</i> in Section 2.2 of this manual.	
7.	If using chemical pouch, locate the trolley bucket and dump pouch. If using a chemical jug for spray gun use, place jug into the jug holder and connect the chemical line. Refer section 2.4 Spray Gun Preparation for more details.	

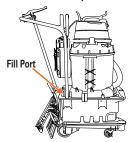
2.4 Preparation For Use (Continued)

6A.	For units without trolley bucket, if using chemical, locate the vac head and remove to reveal inside of water tank. Insert Kaivac chemical pouch into the water tank. If using a bulk chemical, use only Kaivac approved chemicals and ensure proper dilution of chemical is used.	
6B.	For units with a trolley bucket, if using chemical pouch, locate the trolley bucket and dump pouch. If using a chemical jug, ensure proper dilution of chemical is used.	
7.	If using a cleaning product that foams, use a foam inhibitor to cut excess. Pour 2 capfuls of inhibitor in the Vac Hose with Vac running to coat inside of hose.	BUBBLE BUSTER
8.	When using a battery-powered unit, ensure the battery is fully charged. Power on the Vac Head.	

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2.5 FILLING THE UNIT

There are multiple Fill Ports available to fill the Trolley Bucket with a hose or other source. The Fill Port at the rear of the Trolley-Bucket is most convenient to access when using Chemical packets or Jugs.



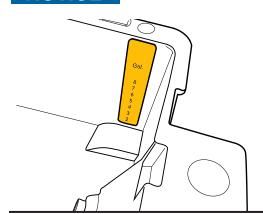


UNIT MUST HAVE CLEANING SOLUTION OR WATER IN TROLLEY BUCKET DURING CLEANING. LACK OF LIQUID CAN CAUSE PREMATURE PRODUCT DAMAGE.

Note the location of the Fill Marker inside the Trolley Bucket.

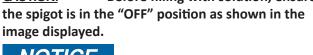
Gallon markings are displayed for 5 to 8 gallons. For lesser quantity needs, the bottom of the label represents 2 gallons. For higher volume needs, the top of the label represents 10 gallons.

Filling over 10 gallons is not recommended.





Before filling with solution, ensure



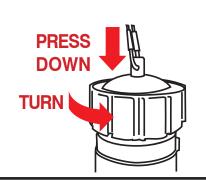
Fill the tank with water and recommended amount of Kaivac approved **Chemicals**. Follow the proper dilution instructions on bottles or dispenser. For accuracy and convenience, use Kaivac proportioned chemical packets. Recommendation: IF A CHEMICAL IS BEING USED, USE ONLY KAIVAC APPROVED CHEMICALS AT THE RECOMMENDED DILUTION.

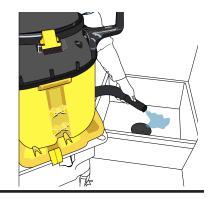
2.6 EMPTYING VACUUM TANK

If the Vacuum Motor shuts off before the job is complete, the Vacuum Tank may be full and need to be emptied. Lift the Vacuum Motor to check liquid level inside the Vacuum Tank. If unit is full or your job is complete, follow the instructions below to empty Tank into appropriate sink/drain.

To begin the dumping process, you must first press down on the Dump Hose Cap and turn counter-clockwise. Once cap is removed, lower Dump Hose into appropriate sink/drain.

NOTICE To prevent an accidental spill or overflow from the Dump Hose, be careful to keep hose end upright until it is over sink/drain.

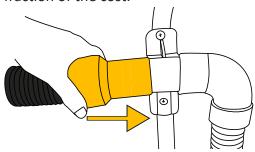




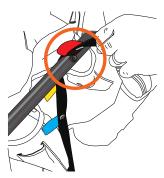
2.7 Autovac Hard Surface Cleaning Operation

The AutoVac feature is a walk-behind system for high speed cleaning of hard surface areas. It cleans as well and as fast as a walk-behind or ride-on auto scrubber at a fraction of the cost.

After the unit has been filled with the appropriate amount of water/solution, ensure that the AutoVac Connector on the side of the cart is connected in place.



Lower the Microfiber Pad and Wide-area Squeegee Head by lifting the left Strap on the rear handle to unsnap it, and lower the pad and Squeegee Head.



Reattach with next button snap to hold the Strap in place.

To begin cleaning floor area with AutoVac:



Use Thumb Throttle to dispense solution through the Spigot. Turn dial on Thumb Throttle to number that corresponds to your applicable floor type.

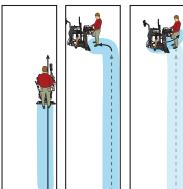
Walk back and forth across the area to be cleaned, using a three point turn approach when reaching turns, as detailed below.

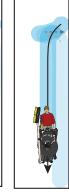
> Walk forward to end of area

being cleaned. Begin turn.

Pull back and begin turn.

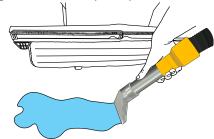
Continue turn. Overlap previous pass.





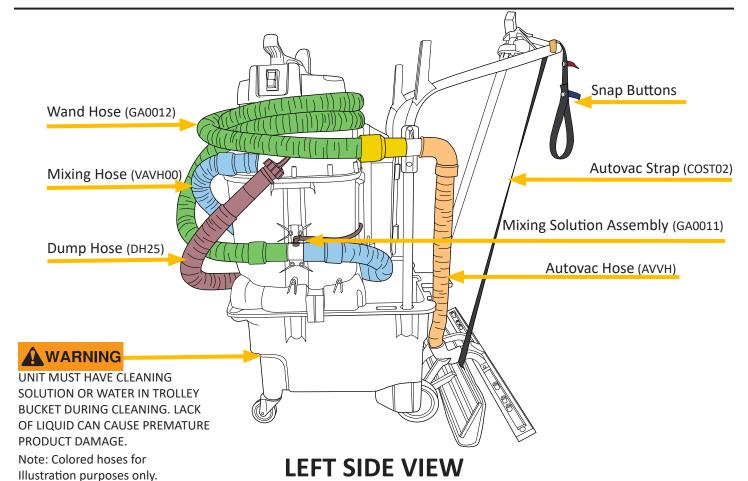
TIP: TO USE UP THE SOLUTION IN THE PAD, TURN THE THUMB THROTTLE TO OFF APPROXIMATELY 50' IN ADVANCE OF FINISHING THE FLOOR.

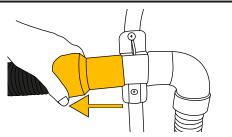
Once complete, lift the left Strap to raise the Spreader Pad and Squeegee Head and snap into place.



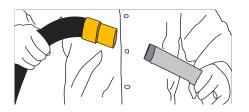
Use included Vacuum Tool to pick up any remaining liquids or drips on the floor.

2.8 CARPET OPERATION





The Wand hose is on the left side. To use the Vacuum Wand, detach the Wand Hose and reattach to the Vacuum Wand.



The **Snap Buttons** on the **Autovac**

Strap will change the mode of the machine by lifting the pad and squeegee. Refer to tags.

Red Snaps:

Lift all parts up when finished cleaning.

For Transport.

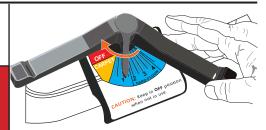
Yellow Snaps:

For use when cleaning carpet surfaces.

Lifts pad slightly off carpet.

Blue Snaps:

For use when cleaning hard-floor surfaces.



Use Thumb Throttle to use the Carpet Mode. Ensure that it is turned to "OFF" in order to activate Carpet Cleaning.

Refer to label for positions of Thumb Throttle.

3.1 Daily Maintenance: Clean-out

When work is complete, vacuum excess cleaning solution from the bucket for 5 seconds to clean out and degrease

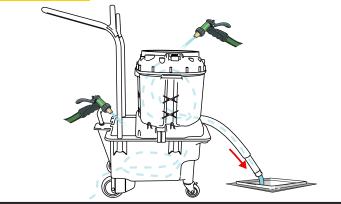
the Vacuum Hose.

Alternatively, you can also turn Vacuum on and dispense solution into Vacuum Hose as shown to clean Hose and Tank.

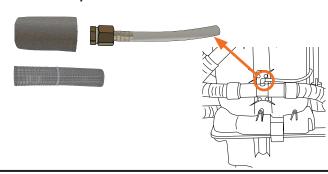


Rinse Vacuum Tank thoroughly at clean-up sink, preferably with hot water. Rinse out Trolley Bucket. Rinse foam filter inside Trolley Bucket. Rinse plastic finger filter in Trolley Bucket following to clear debris. Clean the mixing solution assembly and orifice.

ACAUTION If unit is battery operated, avoid spraying the battery.



Inside Trolley Bucket:

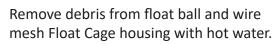


Rinse the Wand brushes to clear any debris, and wipe dry.



At end of shift or when full, remove Filter Bag, dump any debris out, spray clean,

and replace.





Attach pad holder.

Align pad.

Fold under.

Lower pad holder.



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3.2 Machine & Battery Maintenance



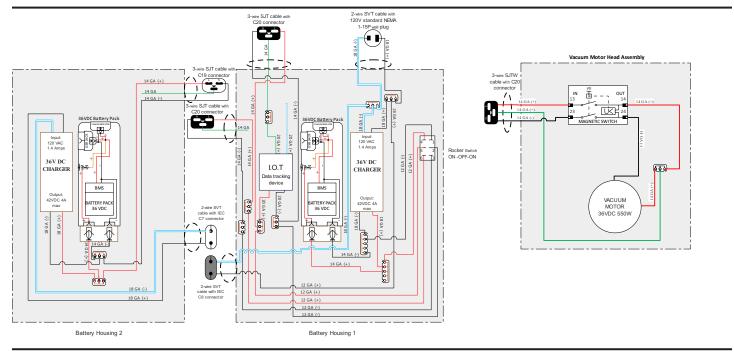
Always unplug machine before servicing unit or inspecting.

ITEM

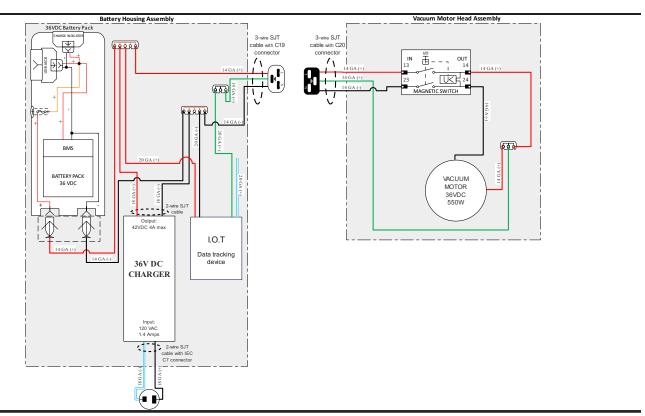
PROCEDURE

Floor Squeegee	 Check condition of squeegee blades and wheels on the floor tool. Rough floor surfaces will cause the blades and wheels to wear out more quickly Replace as necessary.
Spray Gun	 Check spray pattern. If spray pattern will not pinpoint, clean orifice by removing it with an Allen wrench and flushing. Replace if needed. If nozzle becomes difficult to move from high to low pressure, lubricate nozzle with lithium grease.
Pressure Hose	 Wipe clean after each use. Check for cuts or frays in the hose jacket, particularly at the end of the fittings. Replace hose if cuts are found.
Water Tank	 Check condition of filter in water tank. Clean as needed. Empty the water tank to prevent mildew and bacteria growth. Empty tank by dipping the vacuum hose into the water tank and transferring the water to the vacuum tank.
Vacuum Tank	 Empty and flush vacuum tank. Clean and disinfect. Check the float shutoff screen to be sure it is not blocked or dirty. A plugged filter screen restricts airflow and results in reduced suction.
Leaks	 Be alert for leaks around hoses, fittings, spray wand, tanks or elsewhere. Discontinue use until leaks are repaired.
Electrical System	 The ground fault circuit interrupter (GFCI) must be tested before each use. Electrical cord must be inspected for tears or cuts in the insulation. Inspect plug and be sure ground pin is in place.
Vacuum Wand	Use a wire or coarse brush with acid cleaner to remove residue from threads on the coupling and coupling nut. Apply grease when done.
HEPA Filter	Replace every 3-6 months depending on use.
Float Cage	Ensure cage is sprayed and cleaned daily to remove debris.
Battery Maintenance	 Inspect battery, plugs, cords, splash cover, and chemical-resistant plastic protective helmet (if included) before charging and after charging. Charge and store battery indoors. Always use splash cover. Always keep helmet affixed to top of battery if your battery is so equipped. To view the battery, temporarily move the splash cover. Replace the splash cover after inspection. Do not use unit if battery shows any damage, including cracks, dents, holes, fraying, or missing pieces. Once your battery run time is less than 55% (50 minutes for non-quick change and 30 minutes for quick change batteries), contact Kaivac to replace your battery. Regardless of run time, replace your battery after 4 years. Consult Kaivac.com for information on recycling your old battery. The battery splash cover must remain in place. Without the battery splash cover, the battery housing may become damaged which may cause the battery to malfunction, which can result a fire, explosion, personal injury, and/or property damage. DO NOT attempt to repair, service or modify the batteries or charger. Contact Kaivac Technical Support with any issues. DO NOT use or store the NTC System or battery in refrigerated areas, in environments when the battery is in direct contact with liquids, or near flammable or combustible materials. DO NOT charge or store battery for extended time (1 month or more) in temperatures below 40°F (4°C). DO NOT use a battery or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury. If unit is smoking or sparking, move outside to a fire-safe location immediately. If possible, disengage battery from unit, notify management, and call Kaivac Technical Support at 800-287-1136, Ext. 2
Splash Cover	Inspect splash cover for damage.

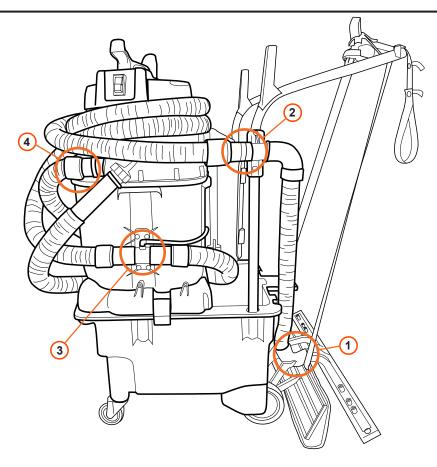
3.3 DC ELECTRICAL DIAGRAM DUAL BATTERY



3.4 DC ELECTRICAL DIAGRAM SINGLE BATTERY



4.1 TROUBLESHOOTING CLOGS



LEFT SIDE VIEW

Clog Areas of the machine are circled above

- 1. Check the Vacuum Hose for clogs with the Vacuum Motor running.

 Starting at the squeegee head and working forward to the vacuum tank, pull off the Vacuum Hose one connection at a time to find a clog in the Vacuum Hose.
- 2. Check Vac Hose Connection on Handle.
- **3.** Check Vac Hose connection at the Mixing Tube.
- **4.** Check for clog at inlet of the Vacuum Tank. Check for clog at the inlet of Vacuum tank circled above.
- **5.** Check the yellow mesh filter inside the tank to see if full. Empty and replace if applicable. Refer to section 3.4 for more details.

4.2 TROUBLESHOOTING



Always unplug unit before inspecting or servicing.

AREA	PROBLEM	POSSIBLE CAUSE	
		Unit not plugged in	Plug unit in
		Switch not "on"	Check switches for "on"
	No Power to pump or	GFCI tripped	Test and reset GFCI
	vac motor	Building circuit overloaded	Check and reset circuit
Electrical		Switch wires loose	Disconnect power and check for loose wire
		Connections loose	Disconnect power and check for loose wire under panel
	Electrical burning smell	Vac motor brushes worn	Remove vac motor and repair
	WARNING RISK OF FIRE, SERIOUS INJURY, OR DEATH	Vac motor hung up	Release pressure on hose and jog vac switch, or replace
	TURN UNIT OFF IMMEDIATELY.	Pump motor hung up	Release pressure on hose and jog pump switch, or replace
	No/Weak vacuum	Vac tank full	Empty vac tank
		Squeegee blades or wheels worn	Replace wheels or blades and check periodically
		Float shutoff screen dirty	Spray off float screen to clean
		Float ball stuck	Tap float and release/clean
		Damaged hose	Cut and repair/replace
		Dump hose plug missing	Contact dealer and replace
		Access lid not right	Tighten lid hand tight
Vacuum System		Vacuum hose plugged	Flush hose to remove debris
		Too much liquid in vac hose	Allow air in when vacuuming
		Vac hose still wrapped	Unwrap vac hose fully
		Exhaust plugged	Clean exhaust port and HEPA filter
		Leak in vac tank	If repairable, clean and dry affected area and seal with silicone
		HEPA filter clogged	Remove HEPA filter and clean
		Vac tank full	Dump vac tank
	Moisture from exhaust	Float shutoff missing	Replace
		Excessive foam in vac tank	Use defoamer
	No air flow	Hose disconnected	Reconnect hose
	Moisture from exhaust	Water in blow hose	Dry blow line
Blow Dry System	Suction, not blow action	Vacuum hose connected to vac tank	Reconnect to vac motor exhaust hose

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4.2 Troubleshooting (Continued)

AREA	PROBLEM	POSSIBLE CAUSE	SOLUTION
		Out of water	Fill water tank
		Gun nozzle plugged	Remove orifice with Allen wrench and clean
		Air in pump (vapor lock)	Use power prime technique
		Gun orifice missing	Replace orifice
		Water tank filter plugged	Clean tank and filter
	No water from pump	In-line bowl filter plugged	Remove filter cover and clean
	or low pressure	Bowl filter lid loose	Gently tighten bowl cover
High Pressure		Pressure hose damaged	Repair or replace
System		Quick disconnect leaking	Tighten or replace
Always unplug unit before inspecting or servicing. RISK OF ELECTRICAL SHOCK,		Injector plugged	Remove safety cap from chemical and blow small amounts of compressed air into line
FIRE, SERIOUS INJURY, OR DEATH		Pulse hose damaged	Repair or replace
		Regulator failed	Replace
		Hose kinked	Unkink and check for damage
		Seals in pump need replaced	Remove and replace seals
	Bad fan pattern or pinpoint pattern on	Debris in nozzle	Remove orifice with Allen wrench and clean
	gun	Orifice damaged	Remove and replace
		Out of chemical	Refill chemical
		Safety cap not secure	Check safety cap/tighten
		Chemical valve "off"	Check on/off valve
		Safety cap plugged	Replace cap
		Spray gun in wrong mode	Make sure gun nozzle is pulled out away from gun chemical mode
		Metering tip plugged	Check metering tip for clog
Chemical Injection System WARNING	No chemical flow	Injector plugged	Remove safety cap from chemical and blow small amounts of compressed air into line
		Air entering system	Check for air entering system around chemical lines or injector
Always unplug unit before inspecting or servicing. RISK OF ELECTRICAL SHOCK, FIRE, SERIOUS INJURY, OR DEATH		Injector installed backwards	If fluttering or pulsing sound can be heard while spraying or when machine is running, it is possible that your injector is in backwards. Remove; reinstall.
		Kink in chemical line	Replace chemical line

4.2 Troubleshooting (Continued)

AREA	PROBLEM POS	SSIBLE CAUSE	SOLUTION
	Not enough chemical	Metering tip plugged	Remove and clean
		Wrong metering tip	Check and replace per chart
Chemical Injection System continued	Chemical line blows off safety cap	Debris in injector	Remove safety cap from chemical and blow small amounts of compressed air into line
a system continued	Water back flows into chemical bottle	Bad seat on injector check valve	Check injector o-ring or replace
		Bad safety cap	Replace safety cap
	Dump hose will not empty tank	Dump hose cap not removed	Remove cap
		Clog in bottom of tank	Tip dump contents, remove debris
Dump System	Dump hose leaks	Hose cut	If leak is less than 4" from tank side, cut and reattach, or replace
	S amp moss realls	Clamp loose	Tighten hose clamp
		Dump cap missing	Replace cap
	Wheels will not roll; rubbing	Flat tires	Inflate tires to 30 p.s.i.
		Debris wrapped around axle	Check for debris on axle
Wheels and Casters		Bearings tight	Grease bearings
		Wheels too loose on axle	Remove wheel, add washers to take up slack
		Bearings falling out	Replace bearing assembly
	Floor streaks	Worn blades or wheels	Replace wheels and/or blades
	Squeegee head does not easily rotate when	Brass ring on wand not in groove	Loosen coupling nut and re-position head on groove
	installed on wand	Coupling nut too tight	Loosen 1/2 turn
	Head will not stay on	Coupling nut cracked	Replace
Squeegee Head	wand	Brass ring worn	Replace
	Premature blade wear	Squeegee wheels worn	Check wheels for wear/ replace
	Sucks to the floor too tightly	Squeegee wheels worn	Check wheels for wear/ replace
Battery WARNING RISK OF FIRE, EXPLOSION, AND SERIOUS INJURY, OR DEATH	Sparks/Burning/Fire/Smoke STOP USE IMMEDIATELY	Damage to battery or charger	Stop use immediately. Disconnect battery from charger, if possible. Unplug charger, if possible.

4.3 TROUBLESHOOTING TIPS

Poor Vacuum Pickup

- 1. Check Squeegee Blades. If blades are worn or damaged, replace Squeegee Head.
- 2. Clean float cage.
- 3. Check for leaks in the Vacuum Hose or Gasket.
- 4. Check for clogged Vacuum Hose.
- 5. Check to see if float ball was tripped.

VACUUM SHUTS OFF PREMATURELY

- 1. Check Float Cage; clean if dirty.
- 2. Cleaning Chemicals may be producing too much foam. Use correct Chemicals.

• OTHER ISSUES? CONTACT TECHNICAL SUPPORT

PHONE:

United States and Canada: 1-800-287-1136

International: 1-513-887-4600

EMAIL:

info@kaivac.com

For Technical Support Contact Form go to: https://www.kaivac.com/contactus.php and choose Technical Support tab.

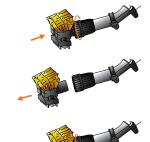
4.4 REPLACEMENT (MONTHLY)

The following tasks should be performed monthly to keep your system operating at peak performance.



Check for worn squeegee blades. Worn blades cause streaking and loss of vacuum suction.

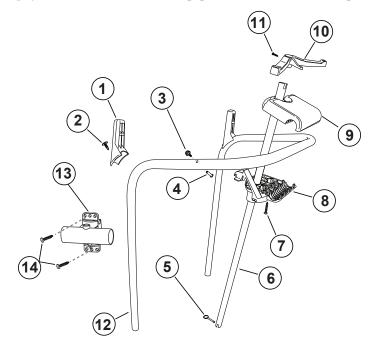
Unscrew cuff at end of Vac Wand, remove old head and replace with new every 6-8 weeks for optimal performance.



IMPORTANT: If cuff is removed, ensure Brass Ring stays in place.



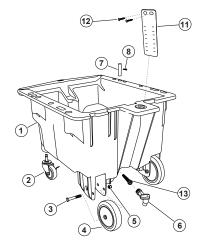
5.1 HANDLE ASSEMBLY PARTS DIAGRAM



#	PART NO.	PART DESCRIPTION
1	STOB	PLASTIC HANDLE POST
2	CSS208	HANDLE POST HARDWARE
3	CSS147	MALE SNAP 18-8 SS 8-32 X 1/2
4	CSS335	8-32 FEMALE BINDING POST
5*	CSS338	1/4 IN X 1-1/2 IN DETENT RING PIN
6*	EXTROD	OMNIFLEX THUMB THROTTLE EXTENSION ROD
7*	CSS329	1/4 X 10 X 1 PLASTITE ZINC PAN TORX 30
8*	OTTPLATL	OMNIFLEX THUMB THROTTLE LOWER PLATFORM
9*	GA0001	OMNIFLEX THUMB THROTTLE PLATFORM
10*	OTT	OMNIFLEX THUMB THROTTLE
11*	CSS332	8 SST SCREW 7/8
12	OFUHA	HANDLE ASSEMBLY
13	GP0015	WIDE AREA CARPET MIXING TUBE
14	CSS208	8 X 1/2 SS TRUSS SCREW

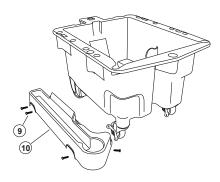
^{*} SHOWN BUT NOT PART OF ASSEMBLY

5.2 TROLLEY-BUCKET ASSEMBLY PARTS DIAGRAM



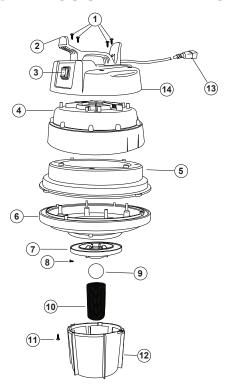
[P/N: KMF05]

#	PART NO.	PART DESCRIPTION
1	KMFBLK	OMNIFLEX TROLLEY BLACK
2	OFCSTR	OMNIFLEX 3 IN CASTER NO BRAKE
3	CSS302	3/18 - 16 X 2 3/4 HEX SCREW WHEEL
4	WH5KMF2	5 IN DIA REAR WHEEL
5	CSS311	3/8 - 16 NYLON LOCK NUT
6	KMB20SR2	SUV 2 HOLE BROWN PLASTIC SPIGOT ASSEMBLY



7	OTP	OMNIFLEX TROLLEY POST .85 DIA X 3.5 LNG
8	CSS17A	8 SST SCREW 3/4
9	CSS17A	8 SST SCREW 3/4
10	KF013A	SIDE TRAY FOR KAIMOTION FLEX
11	GP0007	FILL GAUGE MARKER FOR TROLLEY
12	CSS208	8 X 1/2 SS TRUSS SCREW
13	CPS07	PLASTIC FINGER FILTER

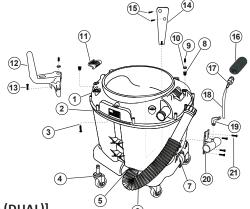
5.3 VACUUM HEAD ASSEMBLY PARTS DIAGRAM



ſΡ	/N:	VM3D03]
	/ I W .	V 1V13D03]

#	PART NO.	PART DESCRIPTION
1	CSS17A	8 SST SCREW 3/4 IN
2	OVMHANY	OMNIFLEX VAC MOTOR HANDLE YELLOW
3	18AEMS2	18A ELECTROMAGNETIC SWITCH HEAVY DUTY
4	ZD10MC	OMNI VAC MOTOR MIDDLE COVER
5	ZD10MR	OMNI VAC MOTOR MIDDLE RING
5	ZD10MR36	OMNI VAC MOTOR MIDDLE RING — 36V
6	ZD10BC	OMNI VAC MOTOR BOTTOM COVER
7	GA0002	FLOAT INTERFACE ASSEMBLY
8	CSS318	5/6" SS PHILLIPS FOR ZD 10/FCINT
9	CVS26	OMNIFLEX FLOAT BALL
10	ZD10	STAINLESS STEEL FLOAT CAGE
11	CSS313	SCREW #7 PANHEAD PHIL SS 1/2 IN
12	ZD10B	OMNI VAC MOTOR BASKET
13	HEPC02	POWER CORD 22.5 IN - C20 MALE
14	ZD10TC	OMNI VAC MOTOR TOP COVER

5.4 VACUUM TANK ASSEMBLY PARTS DIAGRAM

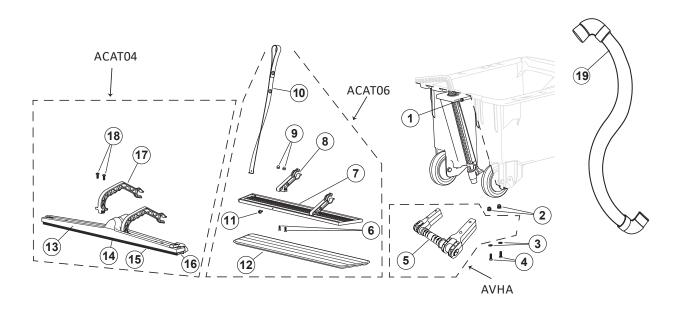


[P/N: VTOF15 (SINGLE), VTOF26 (DUAL)]

	•	"
#	PART NO.	PART DESCRIPTION
1	OVTTBLK	OMNIFLEX VAC TANK TOP BLACK
2	OVTBYEL	OMNIFLEX VAC TANK BOTTOM YELLOW
3	CSS325	8 X 3/4 TORX PAN PLAST
4	VTCSTR	OMNIFLEX VAC TANK CASTER 2 IN
5	CSS03	1 9/16 - 2 1/2 HOSE CLAMP
6	DH25	25" X 1.5" DUMP HOSE 2" CUFF
7	CLASP2Y	OMNIFLEX CLASP LOWER YELLOW
8	CSS211	8/32 IN. FOR MOLDS
9	CSS209	8-32 X 3/4 ROUND HEAD MACHINE SCREW
10	CSS306	WASHER BONDED NEOPRENE 1/4ID X 5/8OD

11	CLASP1Y	OMNIFLEX CLASP UPPER YELLOW
12	ОЅТОВ	OMNIFLEX MULTI PURPOSE POST
13	CSS322	10 X 3/4 PHL PAN HI-LO
14	FGM11	FILL GAUGE MARKER 11IN
15	CSS208	8 X 1/2 SS TRUSS SCREW
16	GP0019	MIXER FILTER SLEEVE
17	CPS63	1/4 X 3/8 FEMALE HS BARB
18	COHS00	1/4 ID X 3/8 OD CLEAR HOSE
19	CPS68	90 DEG. 1/8 NPT MALE X 1/4 BARB
20	GA0011	WIDE AREA CARPET UNIT MIXING TUBE
21	CSS329	1/4-10 X 1 PLASTITE ZINC PAN TORX 30

5.5 AUTOVAC ASSEMBLY PARTS DIAGRAM

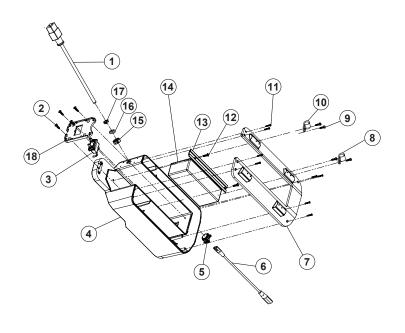


#	PART NO.	PART DESCRIPTION
1	CSS20	SNAP STUD
2	KF017	1/4 IN INSERTS FOR HITCH
3	CSS133	5/16 SPLIT WASHER FOR HITCH
4	CSS187	1/4-20 PAN HEAD SCREW FOR HITCH
	AVHA	AUTOVAC HITCH ASSEMBLY
5	AVH	AUTOVAC HITCH
	ACAT06	AUTOVAC SPREADER ASSEMBLY
6	CSS190	ARM MOUNTING SCREWS
7	GM0000	MICROFIBER PAD HOLDER
8	AVMFARM	SPREADER PLASTIC ARM BLACK
9	CSS102	ACORN NUT FOR ARM

COST02	AUTOVAC ASSEMBLY SNAP & STRAP LONG
CSS20	SNAP STUD
UWMP-26	AUTOVAC MICROFIBER PAD
ACAT04	AUTOVAC VACUUM ASSEMBLY W/O PLOW N
CVS12-28	28" SQUEEGEE HEAD ASSEMBLY
STEEL	S/S WHEEL ASY FOR SQUEEGEE HEAD
CVA03BK	AUTOVAC SQUEEGEE BLADE
STEELC	AUTOVAC WHEEL REPLACEMENT
AVVARM	VACUUM PLASTIC ARM
CSS191	#12-24 X 5/8 SCREW FOR ARM
AVVH	AUTOVAC VAC HOSE
	CSS20 UWMP-26 ACAT04 CVS12-28 STEEL CVA03BK STEELC AVVARM CSS191

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5.6 LEFT SIDE DUAL QC BATTERY ASSEMBLY PARTS DIAGRAM

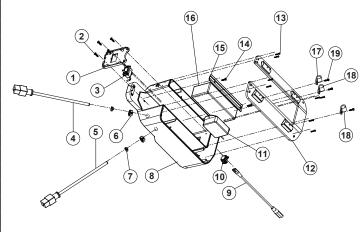


#	PART NO.	PART DESCRIPTION
1	HEPC01	C19 CABLE
2	CSS359	10 X 3/4 FLAT HEAD FORMING SCREW
3	BINTPLUG	BATTERY BASE PLUG
4	GP0008	BATTERY CHARGER HOUSING
5	CES12	3/8 CONDUIT CLAMP
6	HEPC00	C7 TO C8 EXTENSION CORD
7	GP0009	BATTERY CHARGER HOUSING LID
8	CPS75	CABLE CLAMP 3/8 BLACK
9	CSS322	10 X 3/4 PHL PAN
10	HWM010	CABLE CLAMP 3/16 BLACK
11	HWS000	6 X 3/4 THREAD FORMING SCREW TORX
12	CSS359	10 X 3/4 FLAT HEAD FORMING SCREW
13	HEBT00	GUIDE RAIL FOR BATTERY
14	EACG00	BATTERY UL CHARGER 120VAC-42.5VDC 4A
15	HWM004	OSHAFT COLLAR 3/8
16	HWM005	3/8 ID X 1/2 OD RUBBER GROMMET
17	HWM006	SNAP GRIP HOSE CLAMP
18	BINTBASE	PLUG BASE

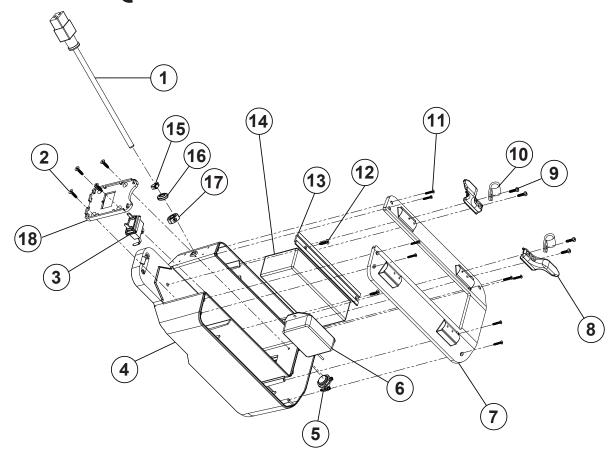
5.7 RIGHT SIDE DUAL QC BATTERY ASSEMBLY PARTS DIAGRAM

[P/N: EABT12, EABT15]

#	PART NO.	PART DESCRIPTION
1	BINTBASE	PLUG BASE
2	CSS359	10 X 3/4 FLAT HEAD FORMING SCREW
3	BINTPLUG	BATTERY BASE PLUG
4	HEPC01	C19 CABLE
5	HEPC02	C20 CABLE
6	CES12	3/8 CONDUIT CLAMP
7	HWM006	HERBIE CLAMP
8	GP0008	BATTERY CHARGER HOUSING
9	HEPC00	CHARGER EXTENSION
10	HWM004	OSHAFT COLLAR 3/8
11	HETR01	IOT UNIT (OPTIONAL)
12	GP0009	BATTERY CHARGER HOUSING LID
13	CSS359	10 X 3/4 FLAT HEAD FORMING SCREW
14	CSS17A	8 X 3/4 PAN HEAD PHILLIPS
15	HEBT00	GUIDE RAIL FOR BATTERY
16	EACG00	BATTERY CHARGER
17	CPS75	CABLE CLAMP 3/8 BLACK
18	HWM010	CABLE CLAMP 3/16 BLACK
19	CSS322	10 X 3/4 PHL PAN HI-LO



5.8 SINGLE QUICK CHANGE BATTERY ASSEMBLY PARTS DIAGRAM



[P/N: EABT09]

#	PART NO.	PART DESCRIPTION
1	HEPC01	C19 CABLE
2	CSS359	10 X 3/4 FLAT HEAD FORMING SCREW
3	BINTPLUG	BATTERY BASE PLUG
4	GP0008	BATTERY CHARGER HOUSING
5	CES12	3/8 CONDUIT CLAMP
6	HEPC00	CHARGER EXTENSION
7	HETR01	IOT UNIT
8	GP0009	BATTERY CHARGER HOUSING LID
9	GP0010	CORD WRAP/CLEAT
10	CSS322	10 X 3/4 PHL PAN HI-LO
11	HWS00	6 X 3/4 THREAD FORMING SCREW TORX
12	CSS359	10 X 3/4 FLAT HEAD FORMING SCREW
13	HEBT00	GUIDE RAIL FOR BATTERY
14	EACG00	36V BATTERY CHARGER
15	HWM004	OSHAFT COLLAR 3/8
16	HWM006	HERBIE CLAMP
17	BINTBASE	PLUG BASE
18	HWM010	CABLE CLAMP 3/16 BLACK

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