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OPERATOR'S MANUAL

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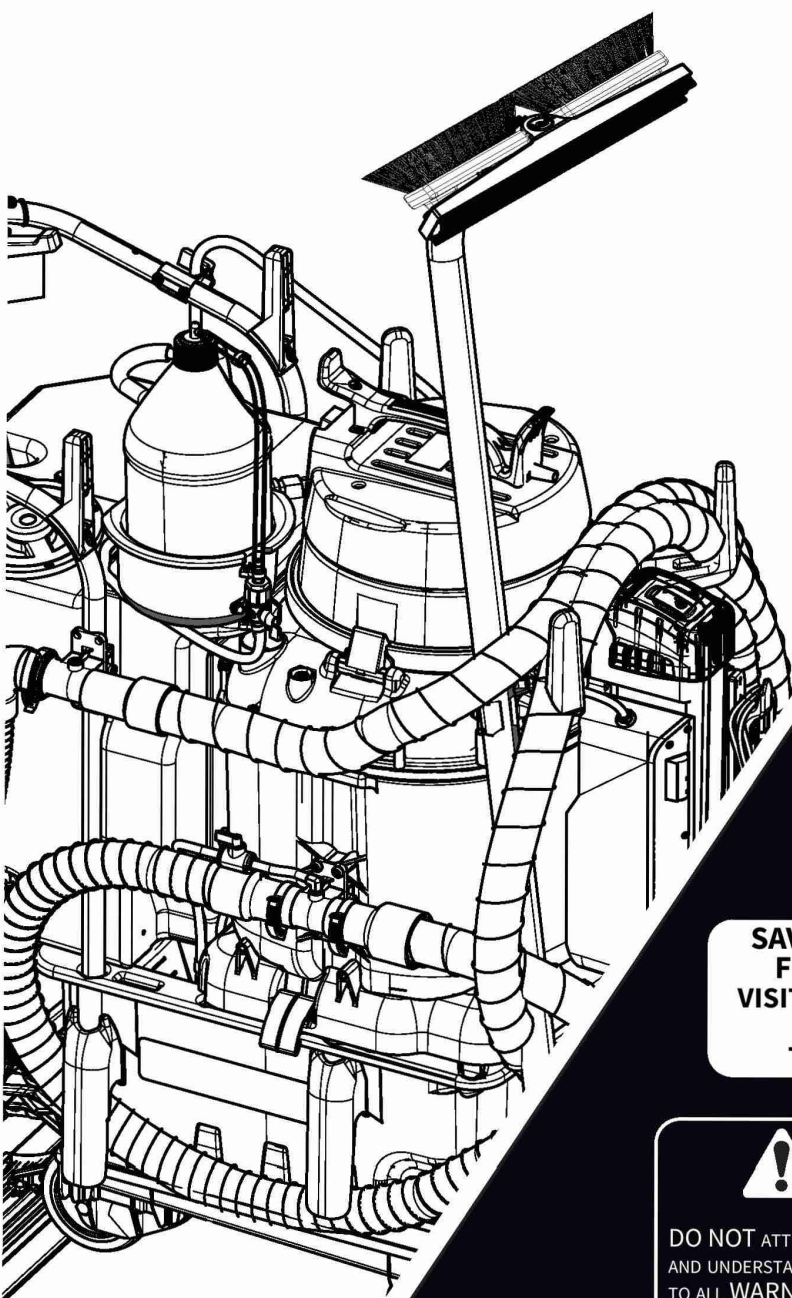


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**SAVE THIS MANUAL FOR
FUTURE REFERENCE
VISIT KAIVAC.COM FOR FULL
SPECIFICATIONS &
TROUBLESHOOTING**



WARNING

DO NOT ATTEMPT TO OPERATE THE UNIT BEFORE READING AND UNDERSTANDING THIS MANUAL. PAY CLOSE ATTENTION TO ALL WARNINGS, CAUTIONS AND NOTICES.

FAILURE TO DO SO MAY CAUSE SERIOUS PERSONAL INJURY OR DEATH, AND/OR DAMAGE TO PROPERTY OR YOUR KAIVAC PRODUCT.

SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE WITHOUT NOTICE. FOR MOST UP TO DATE SAFETY INFORMATION, VISIT KAIVAC.COM

KAIVAC LIMITED WARRANTY

Kaivac, Inc. provides this Limited Warranty for the applicable Products and periods stated below, subject to certain limitations, to the original purchaser against defects in material or workmanship when the Product is properly set up, operated, maintained, and stored in accordance with Kaivac's recommendations. Unless otherwise extended by written agreement, for any covered defects in materials or workmanship, Kaivac will repair or replace the Product at its sole option, during the following coverage period(s) for each Product, its respective material(s) and/or component(s) as follows:

Limited Warranty Coverage and Periods of Warranty: Kaivac extends the Limited Warranty on designated components of the Product for the coverage periods as specified below.

1. **TANK AND TROLLEY LIMITED WARRANTY.** The vacuum tank and trolley ("Tank & Trolley") are warranted to be free from defects in workmanship and materials for a period of **Five (5) Years** from the date the user purchases the Product.
2. **VACUUM MOTOR and PUMP LIMITED WARRANTY (excluding Battery).** The Battery interface and components (excluding Lithium-ion battery), vacuum motor, and pump (collectively "Components") are warranted to be free from defects in workmanship and materials for a period of **Three (3) Years** from the date the user purchases the Product. A Limited Lifetime Warranty for the OMNIFLEX vacuum motor is available to customers who purchase a Kaivac chemical subscription concurrently with the initial purchase of the OMNIFLEX unit and maintain the subscription without interruption for the duration of ownership. Eligibility for the warranty is conditioned upon the exclusive use of Kaivac-supplied chemicals in the OMNIFLEX unit. Any cancellation, lapse, or discontinuation of the subscription will immediately terminate the Limited Lifetime Warranty.
3. **LABOR LIMITED WARRANTY.** Kaivac further warrants to the original purchaser any labor authorized by Kaivac and performed by a service provider, chosen or approved by Kaivac against defects in material or workmanship for **One (1) Year** from the date the labor was performed, not to exceed the original warranty on the part.
4. **BATTERY LIMITED WARRANTY.** The lithium-ion battery ("Battery") is warranted to be free from defects in workmanship and materials for a period of **Two (2) Years** from the date the user purchases the Product.
5. **REPLACEMENT PARTS.** Replacement parts ("Parts"), which excludes Accessories, are warranted to be free of defects in workmanship and materials for a period of **ninety (90) days** from the date the user purchases the Part.

Limits of Warranty and Exclusions: Kaivac's liability under this Limited Warranty is limited to the repair or replacement of a defective Product, at its sole discretion. This Limited Warranty DOES NOT include any warranty coverage for accessories to the Product(s) including, but not limited to accessory squeegee blades and wheels, hoses, seals, gaskets, cords, casters, HEPA filter cartridges, chemical feed caps, spray gun, GFCI, and vacuum wand assembly (individually, an "Accessory" and collectively, "Accessories").

This Limited Warranty shall not apply to any Products that have been repaired, altered, or modified in a way, so as in Kaivac's sole judgment, adversely affects the operation, performance, or durability, or changes the Product's intended use. The Limited Warranty shall not apply to any Products which, in Kaivac's sole judgment, have been subject to misuse, abuse, negligence or accident, nor to any Products that have not been operated and maintained in accordance with Kaivac's instructions and recommendations. Compliance with the Limited Lifetime Warranty for OMNIFLEX vacuum motor shall be determined solely by Kaivac. In addition, the Limited Warranty does not cover damage caused by the following, as determined solely by Kaivac:

- Any use inconsistent with the instructions and warnings for the Product;
- Use of high-foaming or corrosive chemicals;
- Use of a non-Kaivac battery or charger or improper installation of the Battery;
- Loss of IoT functionality resulting from failure to maintain network connectivity for the Product or to allow Kaivac-issued firmware, security certificate, or software updates to be applied;
- Use of Battery for more than Five (5) years after purchase;
- Any accident, neglect or failure to operate and maintain the Product according to Kaivac's instructions and warnings; and
- Any modification or attempt to modify the Product by anyone other than Kaivac or a Kaivac approved service provider.
- Normal wear and tear.

KAIVAC LIMITED WARRANTY (CONTINUED)

For warranty claims, the original purchaser shall be responsible for any freight, shipping, and travel costs associated with the repair or replacement provided for under this Limited Warranty. For warranty claims made outside the country of purchase, the original purchaser will be responsible for all import duty costs incurred.

If Kaivac authorizes a repair, the repair warranty will not extend the time period of the of the original Product or Part's warranty period under this Limited Warranty.

If you obtain a replacement Product, this Limited Warranty applies to such replacement for the remainder of the original Product's warranty period.

Exclusions of Liability and Disclaimer of Implied Warranties: EXCEPT AS OTHERWISE EXPRESSLY STATED HEREIN, KAIVAC MAKES NO OTHER WARRANTY OR REPRESENTATION OF ANY KIND, EXPRESSED OR IMPLIED. THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXCLUDED FROM THIS LIMITED WARRANTY. TO THE EXTENT THEY CANNOT BE DISCLAIMED, THE IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE LIFE OF THE EXPRESS WARRANTY. THIS LIMITED WARRANTY ALSO EXCLUDES INDIRECT, INCIDENTAL, CONSEQUENTIAL, AND SPECIAL DAMAGES. THIS EXCLUSION OF INDIRECT, INCIDENTAL, CONSEQUENTIAL, AND SPECIAL DAMAGES IS INDEPENDENT FROM AND SHALL SURVIVE ANY FINDING THAT THE EXCLUSIVE REMEDY FAILED OF ITS ESSENTIAL PURPOSE. THE REMEDIES SET FORTH IN THIS WARRANTY ARE THE ONLY REMEDIES AVAILABLE TO ANY PERSON UNDER THIS WARRANTY. SOME STATES/PROVINCES DO NOT ALLOW FOR THE DISCLAIMERS, LIMITATIONS, AND EXCLUSIONS IDENTIFIED ABOVE AND, AS A RESULT, THEY MAY NOT APPLY TO YOU.

Upon purchasing any Product, purchaser assumes all liability, all personal injury and property damage resulting from the handling, possession or use of such Product. No agent, employee or representative of Kaivac, nor any independent retailer and/or dealer, is authorized to bind Kaivac to any affirmation, representation or warranty regarding the Products except as specifically contained in this Limited Warranty. Kaivac may modify this Limited Warranty.

Consult Kaivac.com for current Product(s) information and Limited Warranty. For any questions or warranty service, please contact Kaivac Customer Service at 1/800-287-1136 (Outside the U.S. Call 513-887-4600).

Version 7-9-2026

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.

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IMPORTANT SAFETY INSTRUCTIONS

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



WARNING

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



CAUTION

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:



RISK OF ELECTRIC SHOCK, FIRE, EXPLOSION,
AND SERIOUS PERSONAL INJURY OR DEATH

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. DO NOT overreach or stand on unstable support. Keep good footing and balance at all times.
- 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 that may reduce air flow.
- DO NOT pick up anything that is burning or smoking, such as cigarettes, matches or hot ashes.
- DO NOT operate without the Vacuum Motor Float Cage installed. If float is removed, reinstall by screwing back into place.
- DO NOT use without filters in 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.
- This unit may also have been provided with a ground fault circuit interrupter (GFCI) built into the power cord. If replacement of the plug or cord is needed, use only identical replacement parts. 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 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. If using extension cord with unit, make sure the connection is above and off the floor and away from exposure to liquid.
- Keep the cord away from heated surfaces.
- 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.

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)

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



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.
- If included with legacy unit, 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.**



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.

To recycle battery, call Kaivac Customer Care at 1-800-287-1136 to order a recycling box.

Disposal of batteries are regulated by federal law and must be done properly.

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.



DO NOT DISCARD BATTERY INTO TRASH! It is important to recycle your old batteries at your local authorized battery recycling facility or by calling [1-800-USA-CLEAN \(1-800-872-2532\)](tel:1-800-USA-CLEAN) 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-Ion
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)

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.

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.



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:

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

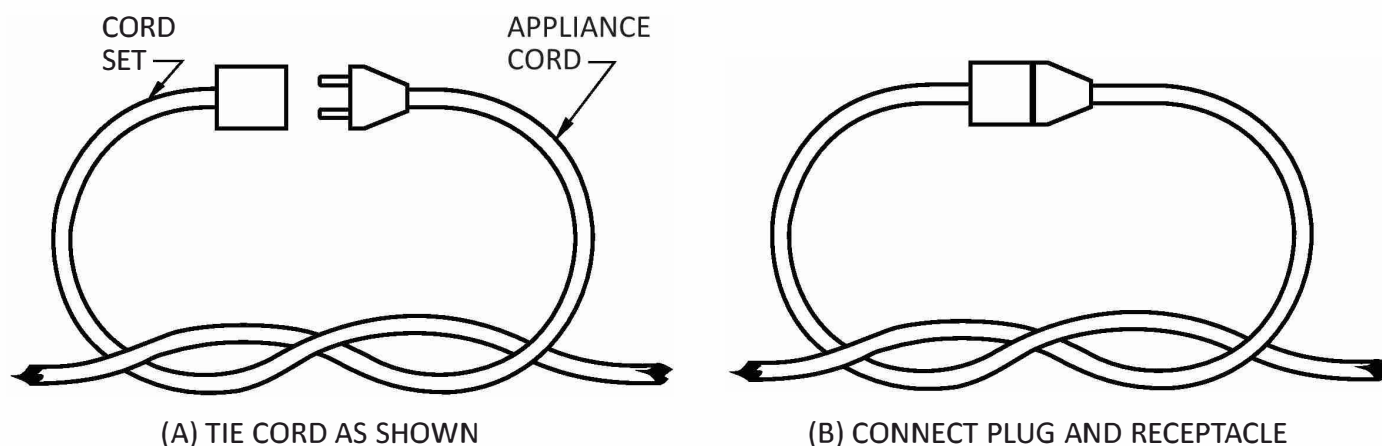
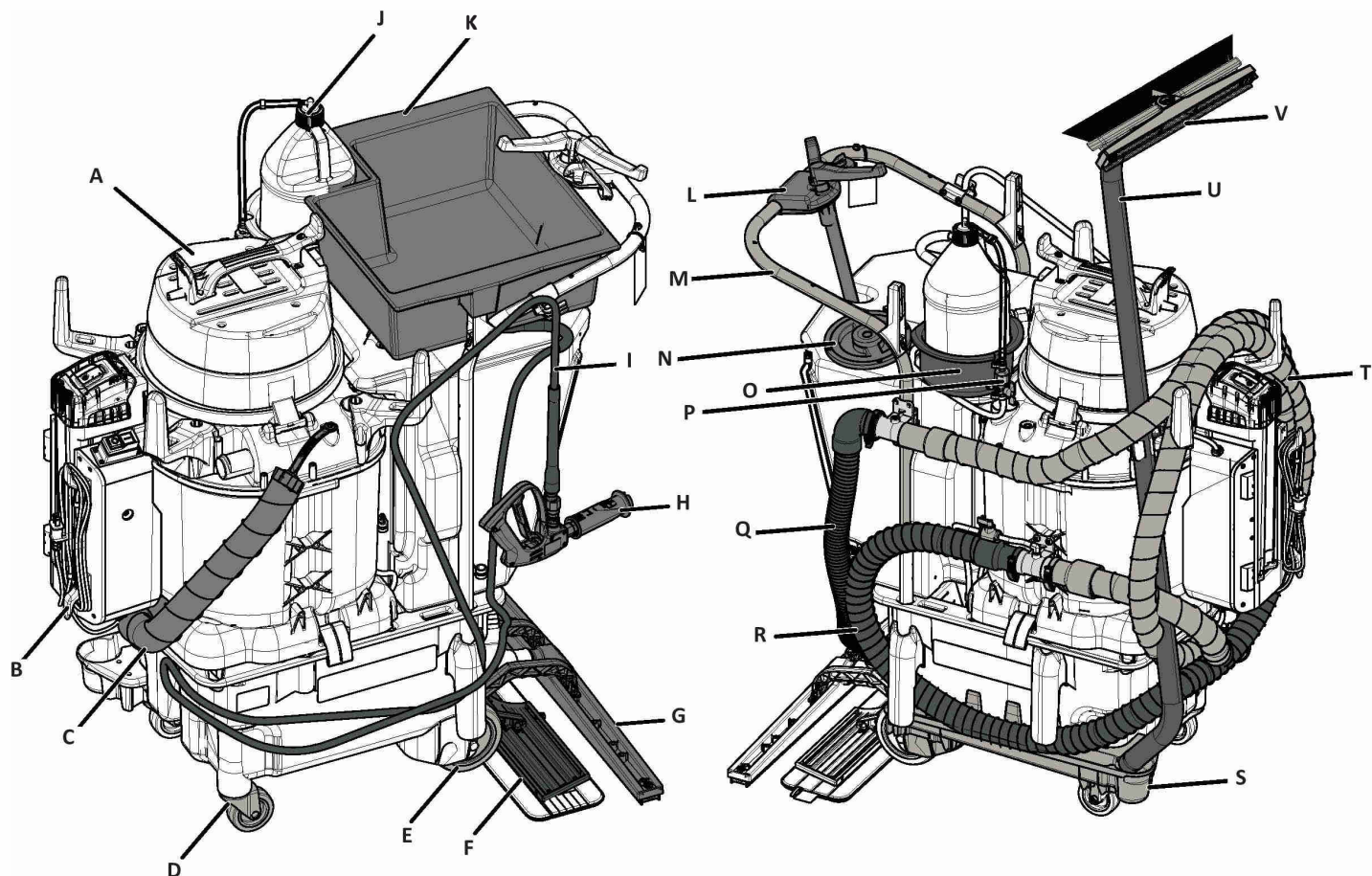


Table 1 - Minimum gauge for extension cords

Ampere rating		Volts	Total length of cord			
			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	mm ² (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)

UNIT COMPONENTS



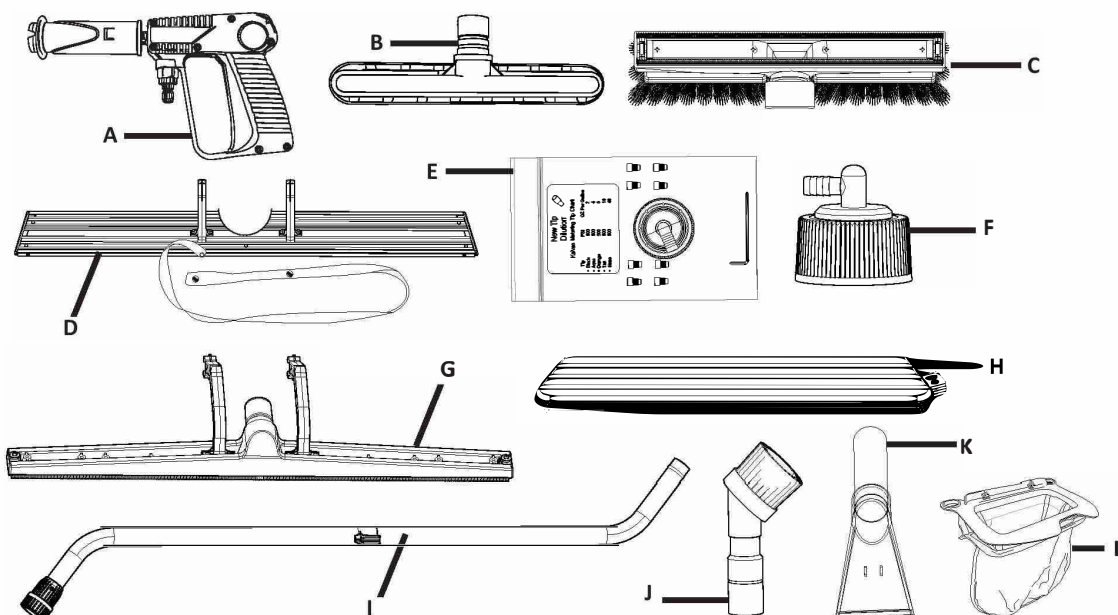
A - Vacuum Head
B - Battery Housing
C - Dump Hose
D - Caster
E - Wheel

F - Autovac Spreader
G - Autovac
H - Spray Gun
I - Spray Line
J - Chemical Jug

K - Tool Tray
L - Thumb Throttle
M - Handle
N - Fill Lid
O - Jug Holder

P - Chemical Injector Valve
Q - Autovac Hose
R - Mixing Hose
S - Side Tool Tray

T - Vacuum Hose
U - Vacuum Wand
V - Squeegee Brush Head



BASE UNIT ACCESSORIES

A - Spray Gun
#SUBGAKW
B - Carpet Glide Tool
#VT1
C - Squeegee Head Brush
#VBRUSH
D - Autovac Spreader
#ACAT06
E - Metering Tip Kit
#MTIPSNEW
F - Chemical Cap
#CHCAPA
G - Autovac
#ACAT04
H - Autovac Mop Pad
#UWMP-26
I - Vacuum Wand
#VAVW01
J - Dusting Brush
#VT4
K - Upholstery Tool
#VT8
L - Mesh Filter
#OBAGY

SETUP/BASIC OPERATION



WARNING

DO NOT use a damaged unit or a unit with a damaged battery. Inspect battery, housing, plug, cord, splash cover (if applicable), and helmet (if applicable) for damage, including cracks, separation, dents, holes, missing, pieces, and fraying cord or wires. Check all cords, hoses, and spray lines for damage prior to use. If damage is found, do not continue until proper repairs are completed. If using a legacy unit equipped with a fabric splash cover, ensure the cover is flipped over the battery top. Newer battery models may also be equipped with a chemical-resistant plastic protective helmet and fabric splash cover, ensure cover is flipped over helmet top. DO NOT remove helmet if included.



WARNING

NEVER USE a damaged unit or a unit with damaged battery. Always check all hoses and spray lines damage prior to use. Using a damaged unit and failure to inspect it prior to use may result in electrical shock, fire, explosion, serious personal injury or even death.



CAUTION

TIP HAZARD, DO NOT lean on unit if trolley bucket and/or vacuum tank are empty as unit may tip. Also use caution on rough surfaces to avoid tipping.

INSTALLING BATTERY AND CHARGING

Battery units only

See Figures 1 - 4, page 11

- Lower battery down into the battery housing.
- To see battery charge, press the charge indicator on the top of the battery.
- 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.

PREPARING UNIT FOR USE

See Figures 5 - 9, page 11

- The pump power cord is connected on the back panel of the spare water reservoir. Ensure this is connected to the battery housing power cord located on the back of the vac tank.
- Ensure Vacuum motor is in place on the vacuum tank. Ensure top clasps are secured. Ensure float cage is in place and clean.



RISK OF INJURY

Do not use if float cage is not in place.

- Locate switch panel on vacuum head. This is used to operate the vacuum function.
- Ensure vacuum tank clasps are secure. Locate tool tray on side of trolley bucket to place vacuum wand when not in use.
- Unplug battery from charger if applicable. Avoid getting water on unit.
- Inspect battery, housing, plug, cord, splash cover (if applicable), and helmet (if applicable) for damage, including cracks, separation, dents, holes, missing, pieces, and fraying cord or wires.



WARNING

NEVER spray unit directly with any liquids, water, hose, or spray gun. Corrosive liquids, water, and chemicals may enter battery or unit components which can result in an increased risk of fire and serious personal injury.

NOTICE

Fill the trolley 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. If a chemical is being used, use only KAIKAC APPROVED CHEMICALS AT the recommended dilution.

FILLING THE UNIT

See Figures 9 - 13, page 12

Ensure spigot is closed before filling.

- The spare water reservoir has a fill hose and lid. Fill as needed when using the spray gun.

NOTICE

- DO NOT fill the spare water reservoir with chemical. Use clean water only. Note the location of the site tubes.
- Fill in the designated opening near the water reservoir and vacuum tank.

NOTICE

- If using a Chemical packet, pour desired Chemical packet into the designated fill area of the trolley bucket, and ensure proper dilution of chemical is used.
- Note the location of the site tubes and gallon markings 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.
- If using a cleaning product that foams, use a foam inhibitor to cut excess. Pour 2 capfuls of inhibitor in the Vacuum Hose with Vac running to coat inside of Vacuum Hose.



Risk of motor damage

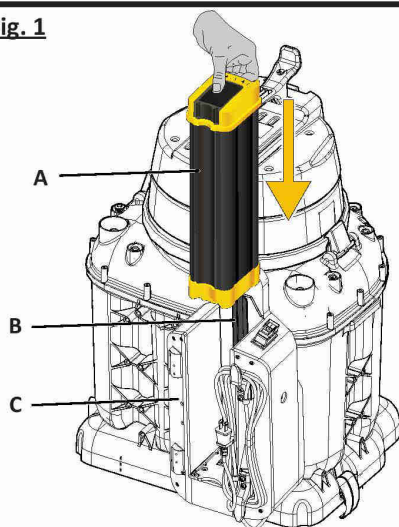
- Foaming chemicals in tank may damage Vac Motor.

ACCESSORY ATTACHMENT USAGE

See Figures 14 - 20, page 12

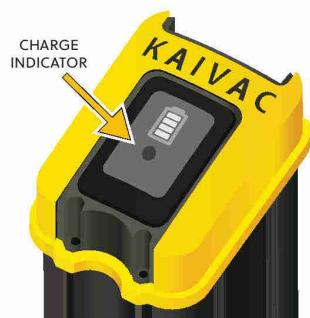
- To attach different accessories to the end of the vacuum wand, start by loosening the coupler nut of the wand. Insert the accessory tool, and tighten the coupler nut.
- Ensure the brass ring inside the coupler nut of the vacuum wand stays in place and does not get lost when changing accessories or taking apart.
- To use accessories without the vacuum wand, push the desired accessory tool directly into the end of the yellow vacuum hose cuff connected to the side handle tube. Reconnect to tube when done with accessory use.
- You may use the provided dusting brush tool to vacuum fans and high surfaces with the vacuum wand.
- You may use the squeegee head brush head for stairways and surfaces such as tile and grout lines
- You may use the upholstery tool for spot cleaning.

Fig. 1



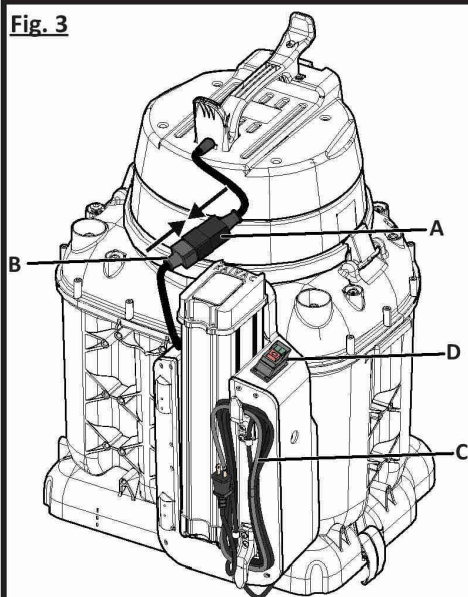
A - Battery pack
B - Battery Housing
C - Guide Rail

Fig. 2



Battery Pack charge indicator

Fig. 3



A - C20 Vacuum head power cord
B - C19 Battery housing power cord
C - Battery charging cord
D - Pump switch

Fig. 4

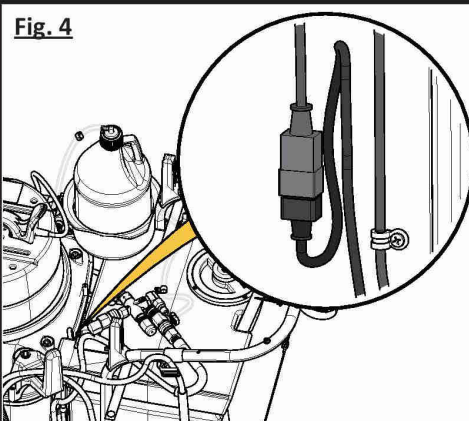
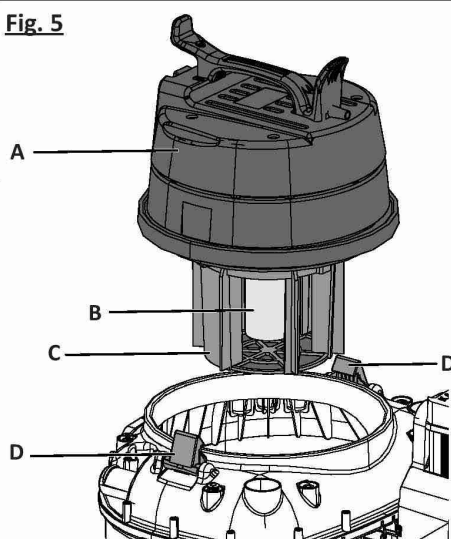
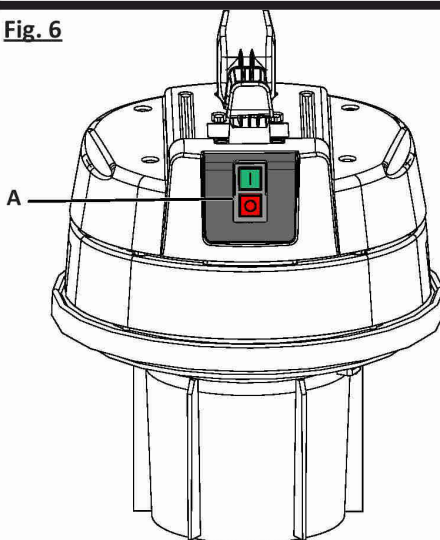


Fig. 5



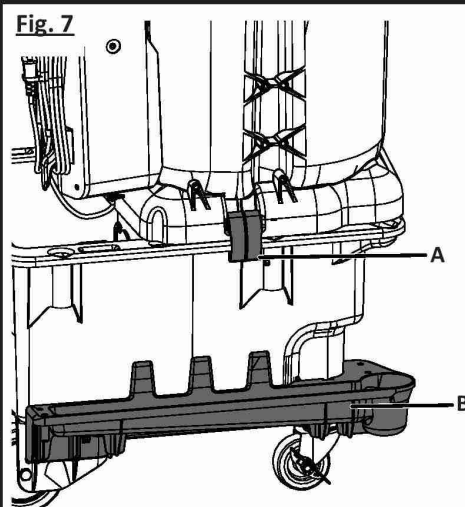
A - Vacuum Motor
B - Float Cage
C - Float Basket
D - Locking clasps

Fig. 6



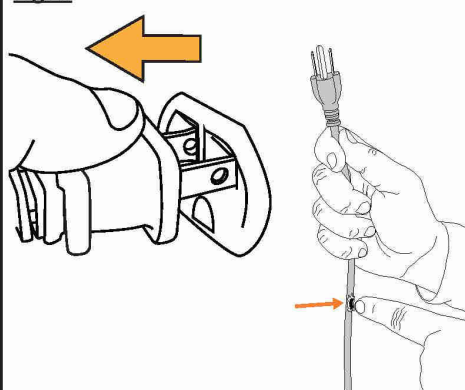
A - Vacuum Motor Switch Panel

Fig. 7



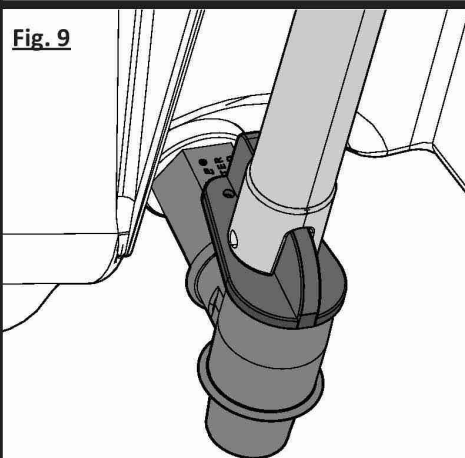
A - Locking clasps
B - Tool tray

Fig. 8



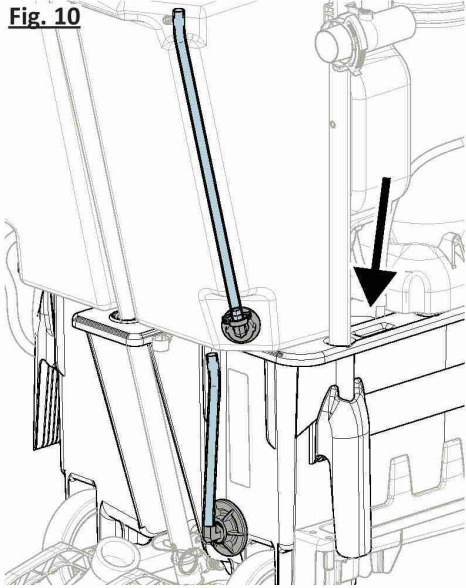
Battery Charger plug.
Check all cords for damage.

Fig. 9



Trolley bucket spigot
"OFF" position.

Fig. 10



Fill Port and Site Tubes.

Fig. 11

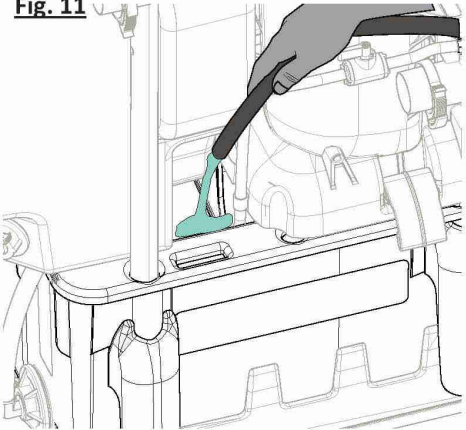
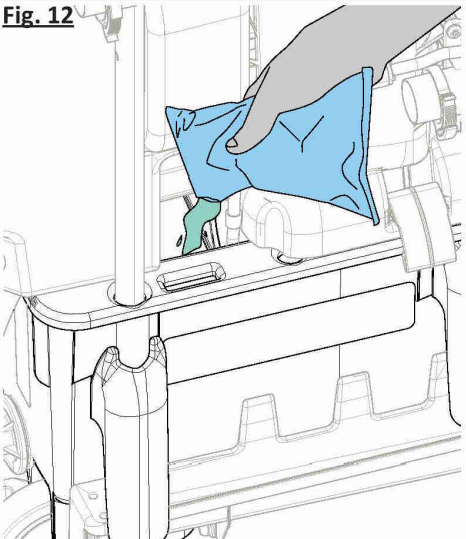
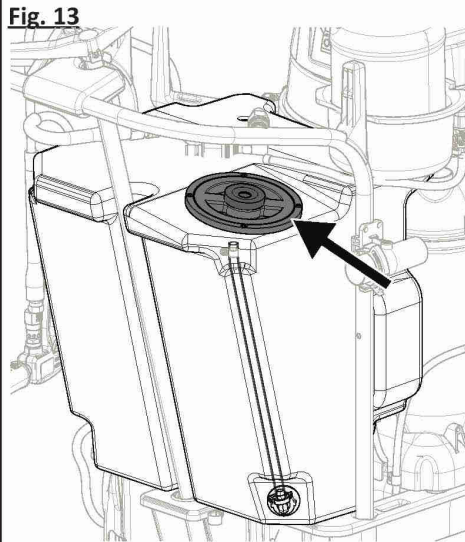


Fig. 12



Proportioned Kaivac Approved chemical inside trolley bucket.

Fig. 13



Spare Water reservoir and fill hose.

Fig. 14

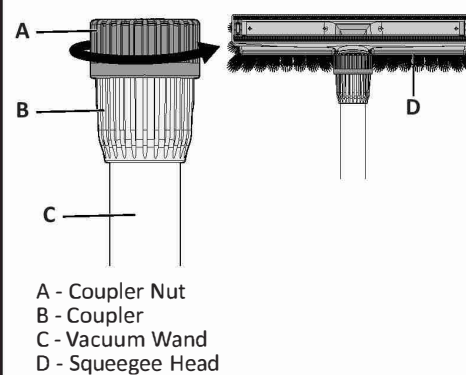
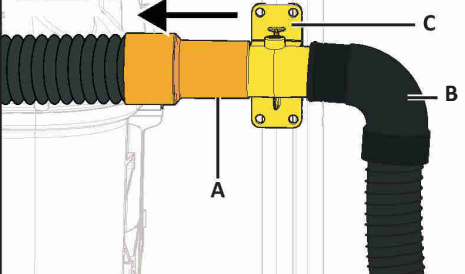


Fig. 15



Brass Ring inside Coupler Nut.

Fig. 16



A - Vacuum Hose Yellow Cuff
B - Autovac Hose
C - Handle Tube Port

Fig. 17

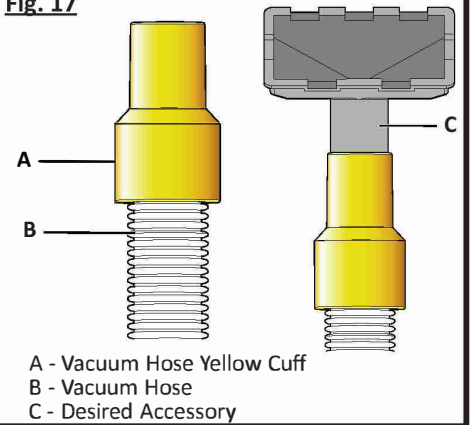
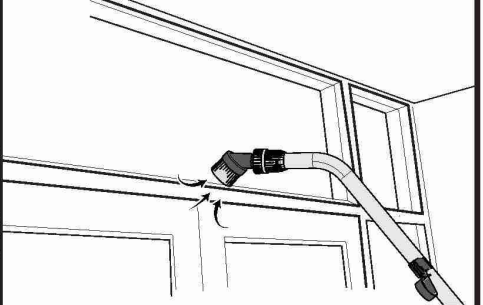
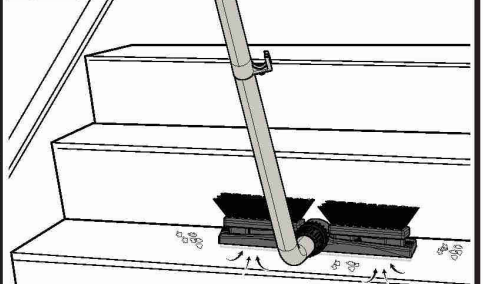


Fig. 18



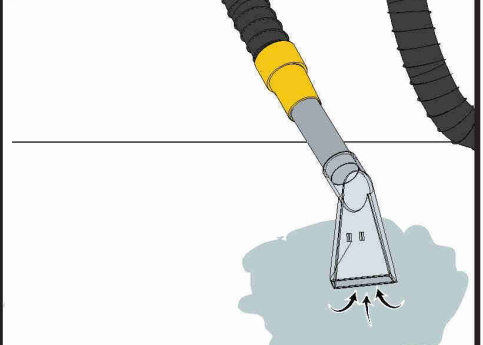
Dusting Brush connected to vacuum wand to extract debris on high surface.

Fig. 19



Squeegee Head Brush connected to vacuum wand to extract debris on stairways.

Fig. 20



Upholstery Tool connected to vacuum hose for spot treatment.

CARPET & DRY VACUUM OPERATION

NOTICE

Unit must have cleaning solution and water in trolley bucket during cleaning. Lack of liquid may cause premature product damage.

CARPET OPERATION

- Ensure unit is properly filled with appropriate amount of water and/or solution (Fig. 21).
- Ensure vacuum hose is connected to the tube on the side of the handle (Fig. 22).
- Lift the snap strap on the handle and ensure it is on the "CARPET" tab (Fig. 23).
- Turn the thumb throttle handle counter clockwise to "CARPET/OFF" position (Fig. 23).

NOTICE

- Locate the mixing tube valve and ensure it is in the "ON" position for dry vacuuming (Fig. 24).
- Turn the vacuum motor ON (I)
- Vacuum carpet as needed. For hard to reach areas, use provided accessories with vac hose or vac wand (Fig. 25).
- Use the upholstery tool for spot cleaning as needed (Fig. 26).
- Turn vacuum motor OFF (O) when job is complete.
- For transport mode, lift the strap to "UP" position.

Fig. 21

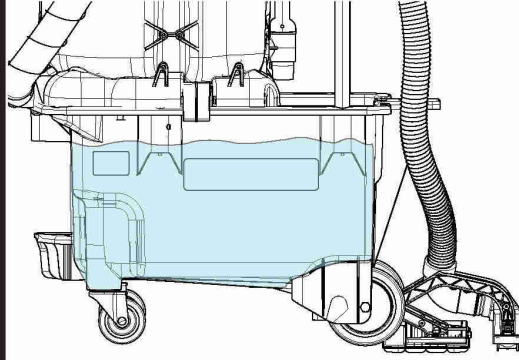


Fig. 22

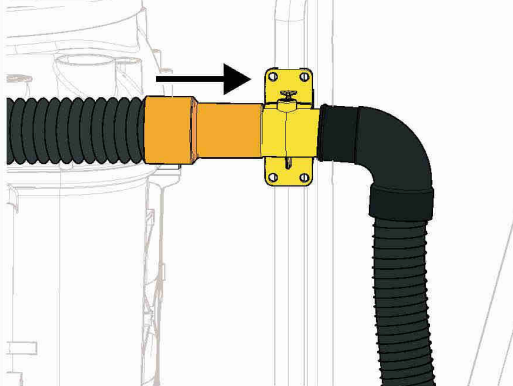


Fig. 23

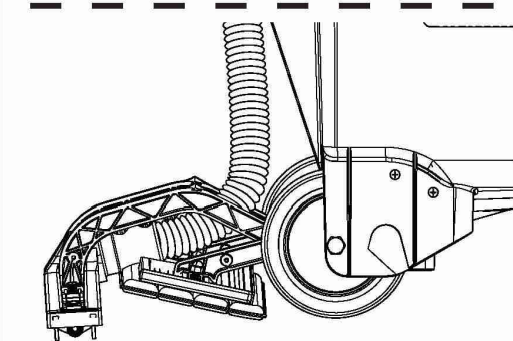
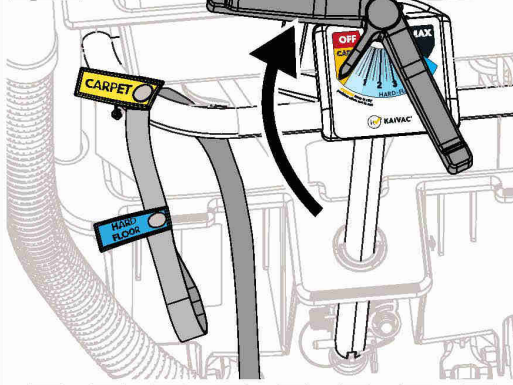


Fig. 24

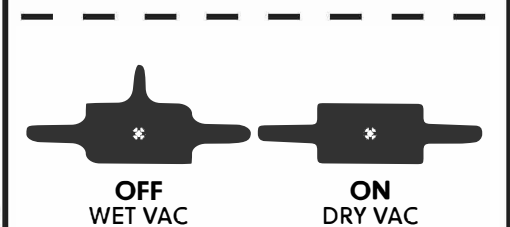
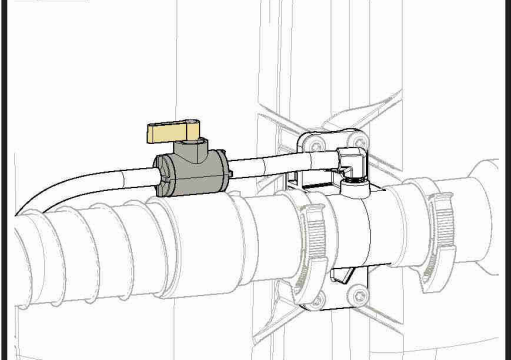


Fig. 25

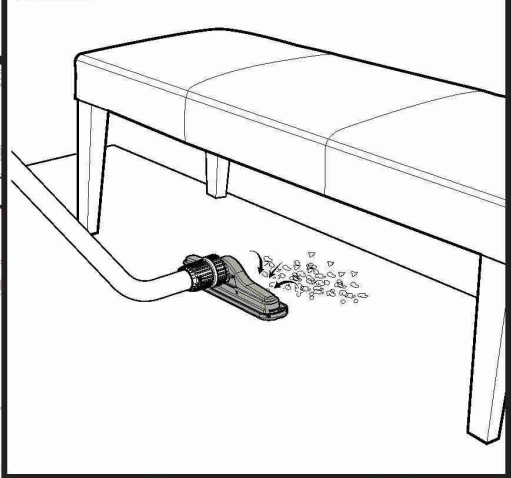
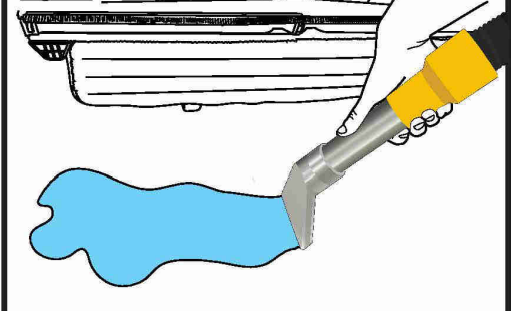


Fig. 26



HARD FLOOR & WET VAC OPERATION

NOTICE

Unit must have cleaning solution and water in trolley bucket during cleaning. Lack of liquid may cause premature product damage.

HARD FLOOR OPERATION

- Ensure unit is properly filled with appropriate amount of water and/or solution (Fig. 27).
- Ensure vacuum hose is connected to the tube on the side of the handle (Fig. 28).
- Lift the snap strap on the handle and ensure it is on the "HARD FLOOR" tab (Fig. 29).
- Turn the thumb throttle handle counter clockwise to "HARD FLOOR" position (Fig. 29).

NOTICE

- Locate the mixing tube valve and ensure it is in the "OFF" position for wet vacuuming (Fig. 30).
- Turn the vacuum motor ON (I)
- Beginning at the rear of the area, begin dispensing solution, moving towards the front of the area (Fig. 31).
- Turn Spigot clockwise to the "OFF" position when job is complete.
- For extra detailing, vacuum floor surface diagonally to grout lines, reaching under shelves, seating etc. (Fig. 32).
- Slap & Tap: Once Vacuuming is complete, keep motor running. Slap Vacuum Wand on floor 3-4 times to dislodge debris from squeegee head. Then, invert Wand and Tap 4-5 times to dislodge any fluids or substance from Wand.
- Turn vacuum motor OFF (O) when job is complete.
- For transport mode, lift the strap to "UP" position.

Fig. 27

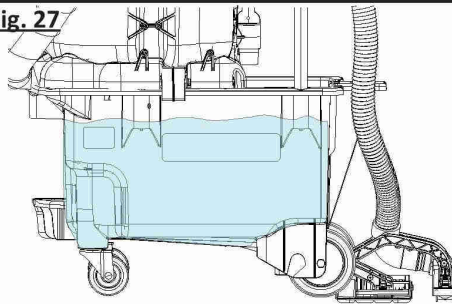


Fig. 28

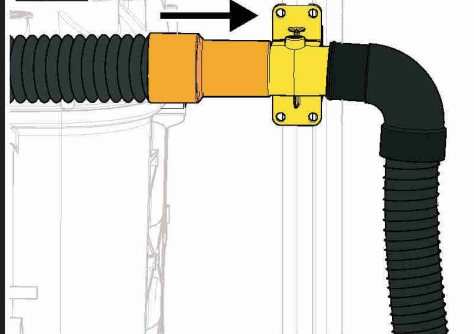


Fig. 29

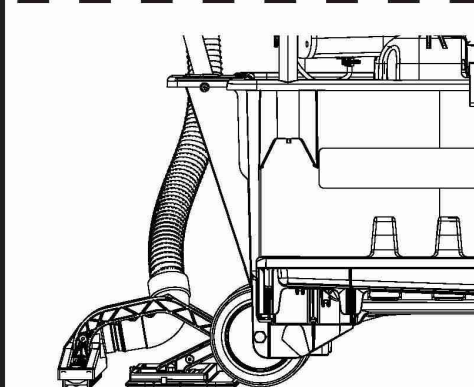
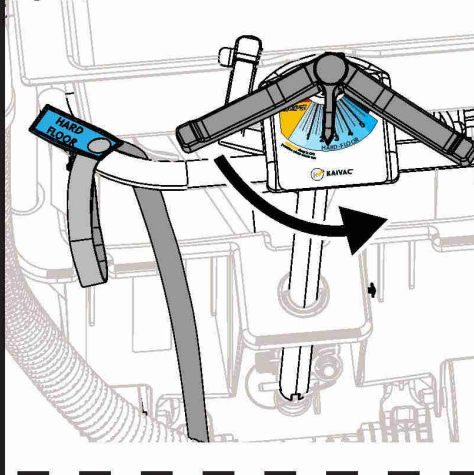


Fig. 30

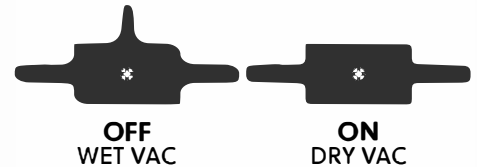
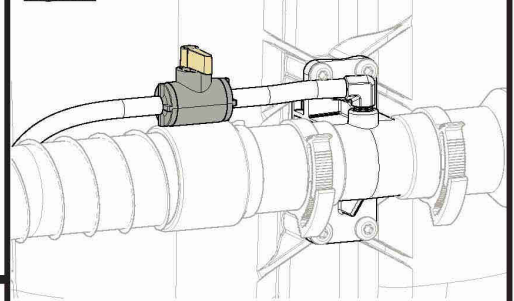


Fig. 31

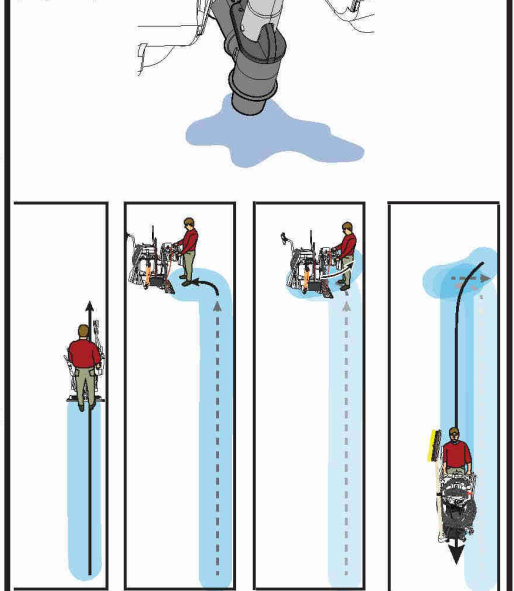
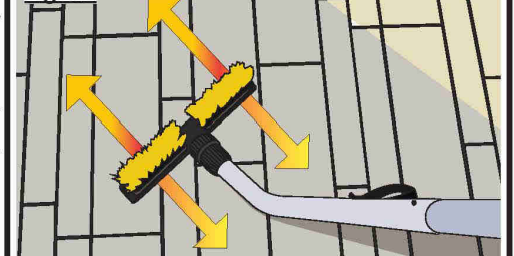


Fig. 32



SPRAY OPERATION

WARNING

NEVER spray unit directly with any liquids, water, hose, or spray gun. Corrosive liquids, water, and chemicals may enter battery or unit components which can result in an increased risk of fire and serious personal injury.

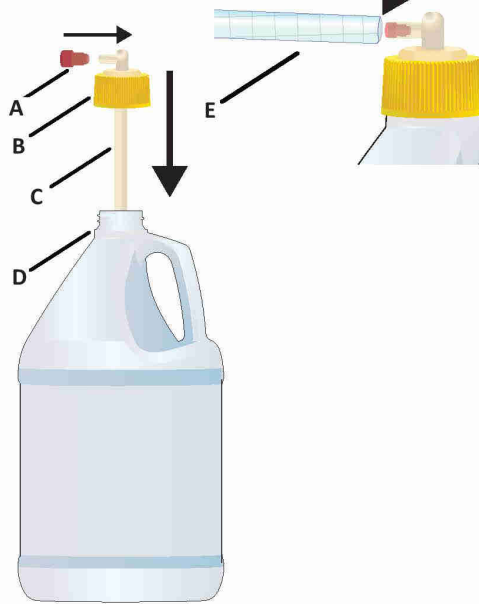
CAUTION

NEVER point the spray gun at yourself or others. Always use proper personal protection equipment and only point the sprayer at and/or spray the intended object. Failure to do so may result in personal injury

SPRAY OPERATION

- If using unit with chemical, prepare the cleaning chemical, make sure the Draw Tube is inserted into the Chemical Jug. Insert the Metering Tip as shown (see Metering Tip Selection Chart on the Metering Tip Bag). Then, screw the Chemical Cap onto the Chemical Jug and make sure the clear Chemical Line is connected to the Chemical Cap (Fig. 33).
- Place the chemical jug into the jug holder located on the spare water reservoir (Fig. 34).
- Ensure reservoir is filled with clean water before using spray gun.
- To use spray gun with chemical, turn the injector valve on the jug holder to "ON" position as shown (Fig. 35).
- To turn Spray Gun off or on, switch the valve connected to Spray Gun. The Spray Gun is connected to the Pressure Hose (Fig. 36).
- Operate the Spray Gun by pulling the nozzle out and twisting for low pressure pinpoint or fan spray. Pull nozzle back for high pressure pinpoint or fan spray. Chemicals applied in the Low Pressure setting only. Chemicals must be cleared from the Spray Line prior to High Pressure rinsing. To do this, turn OFF the Chemical Valve, then spray in Low Pressure settings for 15 seconds (Fig. 37).
- Turn the "PUMP" switch located on the battery housing ON (I) to begin using after preparing. Spray intended object with chemical in low pressure, and then turn the chemical valve OFF and clean with fresh water in high pressure (Fig. 38).

Fig. 33



- A - Metering Tip
- B - Chemical Cap
- C - Draw Tube
- D - Chemical Jug
- E - Chemical Line

Fig. 34

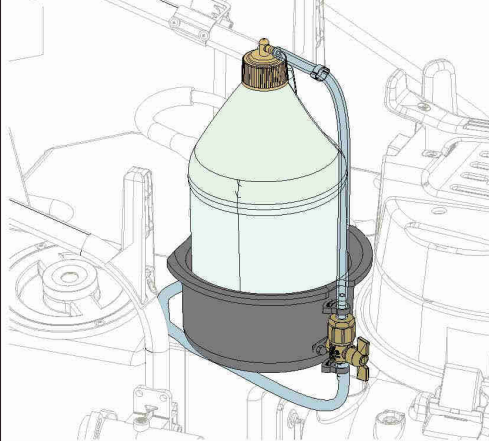


Fig. 35

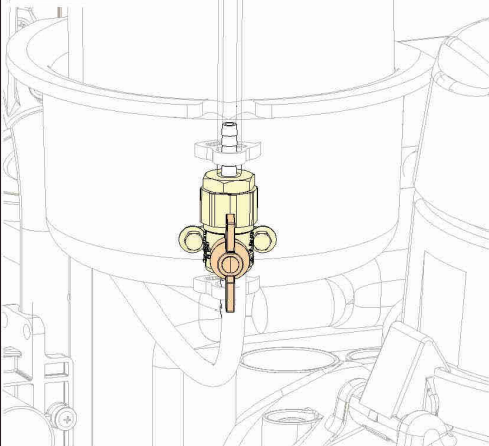


Fig. 36

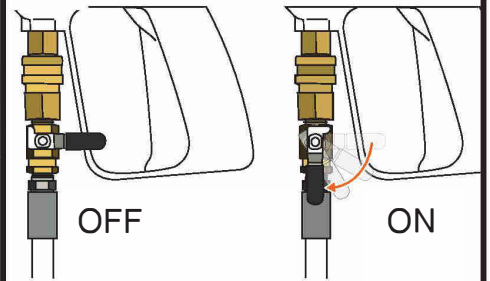


Fig. 37

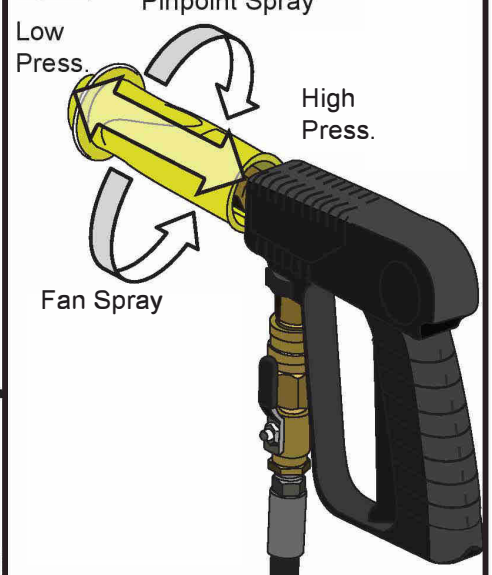
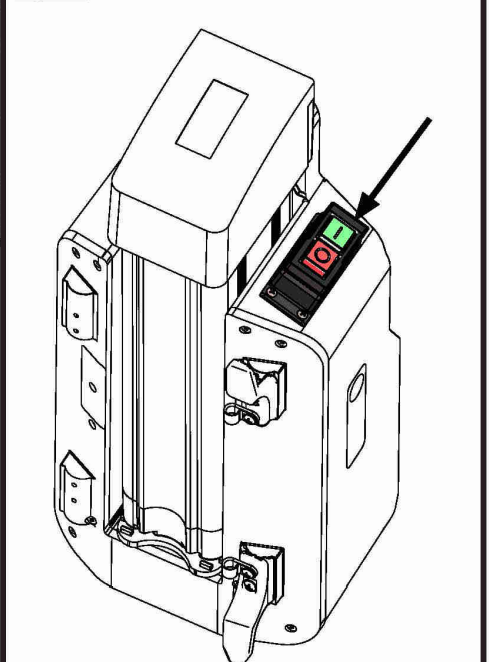


Fig. 38



DAILY & GENERAL MAINTENANCE

The unit should be checked, emptied, and cleaned after each use.

Unit should be turned OFF (O) unless specified.

EMPTYING THE 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 Head to check liquid level inside the Vacuum Tank.
- To begin the dumping process, you must first press down on the Cap and turn counter-clockwise (Fig. 34).
- Once cap is removed, lower Dump Hose into appropriate sink/drain (Fig. 35).

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.

CLEANING UNIT

- When work is complete, vacuum excess cleaning solution from the bucket for 5 seconds to clean out and degrease the Vacuum Hose (Fig. 36).
- Alternatively, you can also turn the Vacuum ON (I) and dispense solution into Vacuum Hose to clean Hose and Tank.
- Rinse Vacuum Tank thoroughly at clean-up sink, preferably with hot water. Rinse out Trolley Bucket (Fig. 37).

CLEANING UNIT FILTERS

- Lift the Vacuum Head. Clean and spray the Float Cage located inside the Vacuum Head. Ensure Float Cage is in place. Clean Float Cage regularly. Do not use if Float Cage is not in place (Fig. 38).
- If unit contains mesh Filter Bag located inside the Vacuum Tank, before starting each new cleaning process, remove Filter Bag, dump any debris out, spray clean, and then replace back into the Filter Bag Frame (Fig. 39).
- Rinse plastic finger filter and foam filter inside Trolley Bucket following to clear debris (Fig. 40).

SQUEEGEE BLADES & ACCESSORIES

- Replace mop pads by aligning with the spreader, and folding under (Fig. 41).
- Check for worn squeegee blades. Worn blades cause streaking and loss of vacuum suction.
- Replace with new every 6-8 weeks. Ensure squeegee blades are replaced with the ribbed portion facing outwards (Fig. 42).
- Clean off accessories and build-up on parts and tools.

Fig. 34

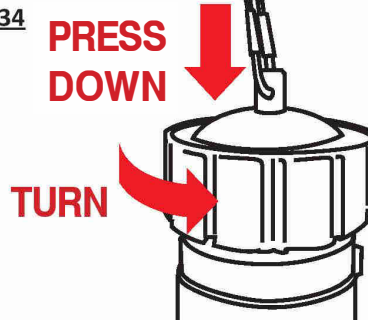


Fig. 39

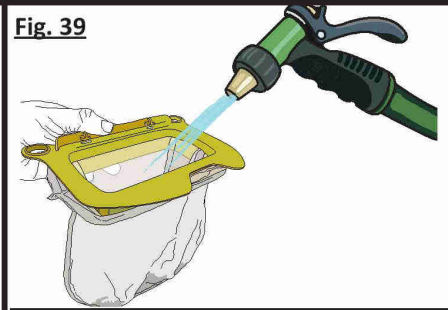


Fig. 35

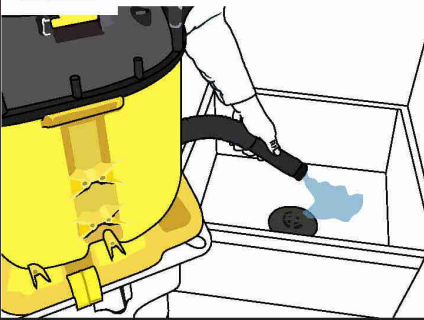


Fig. 40

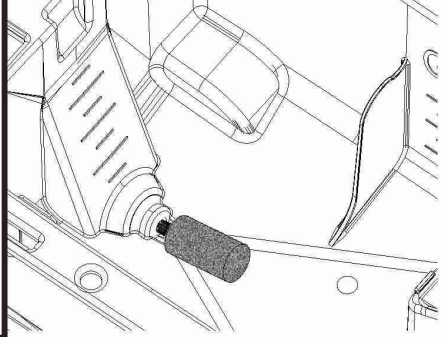


Fig. 36

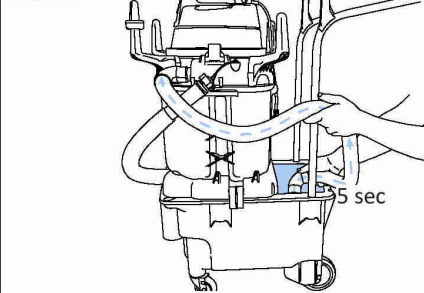


Fig. 41

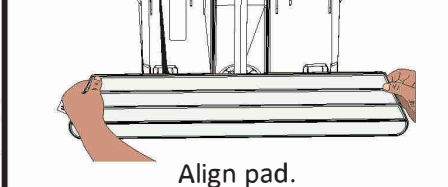


Fig. 37

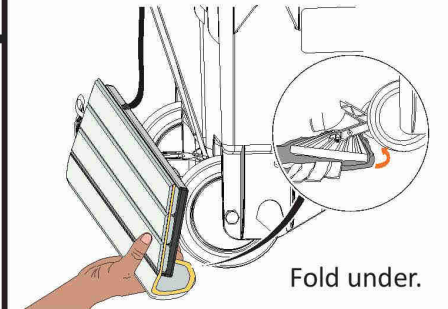
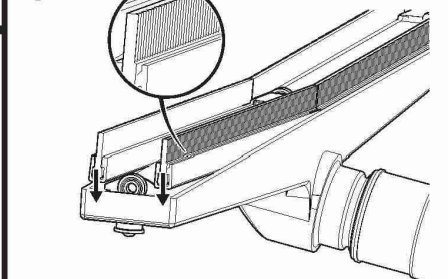
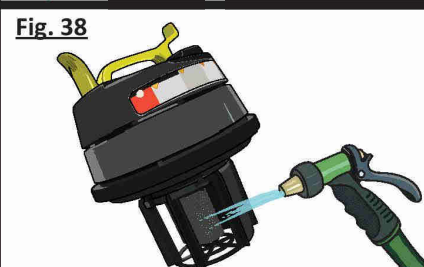


Fig. 42



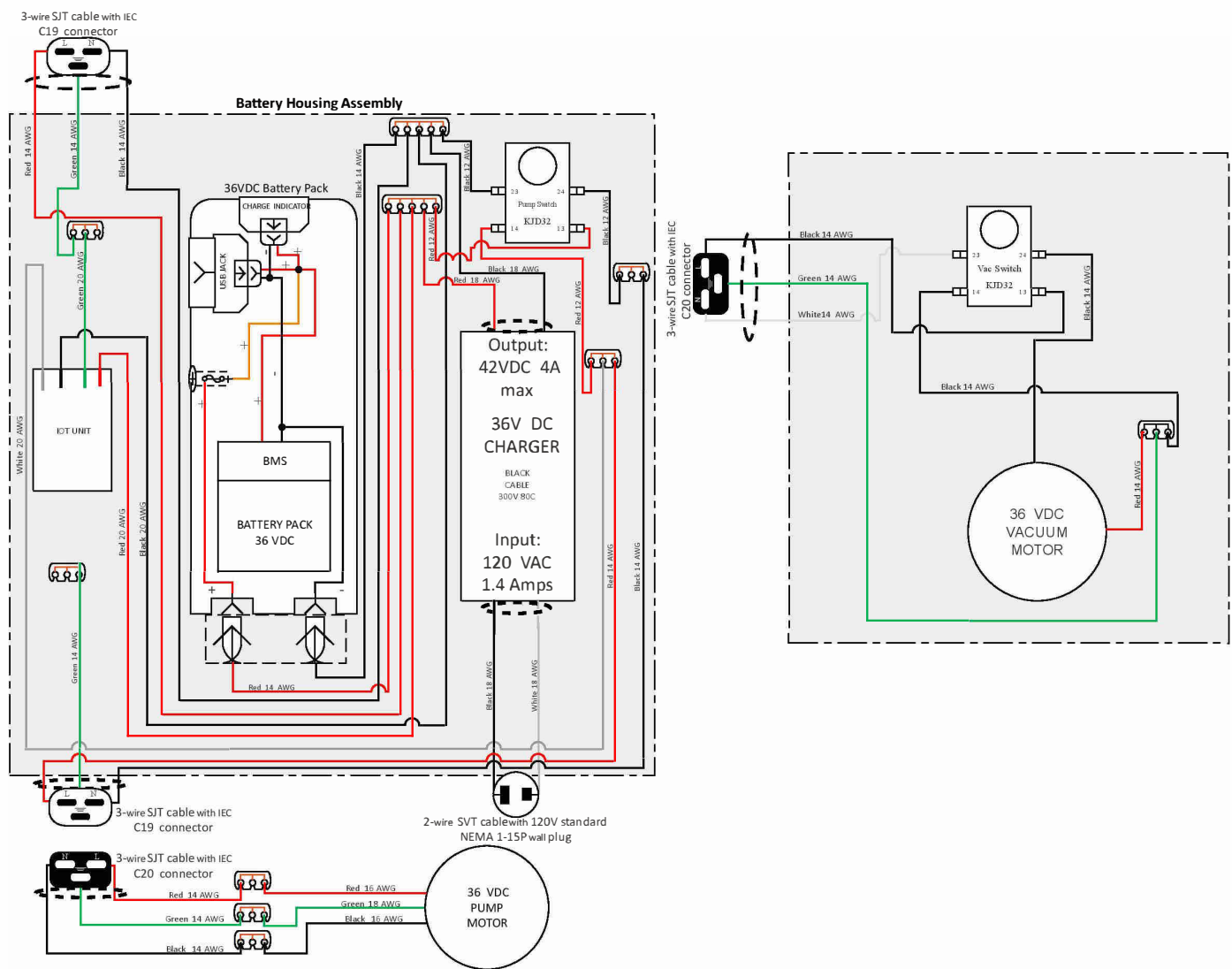
UNIT & MAINTENANCE



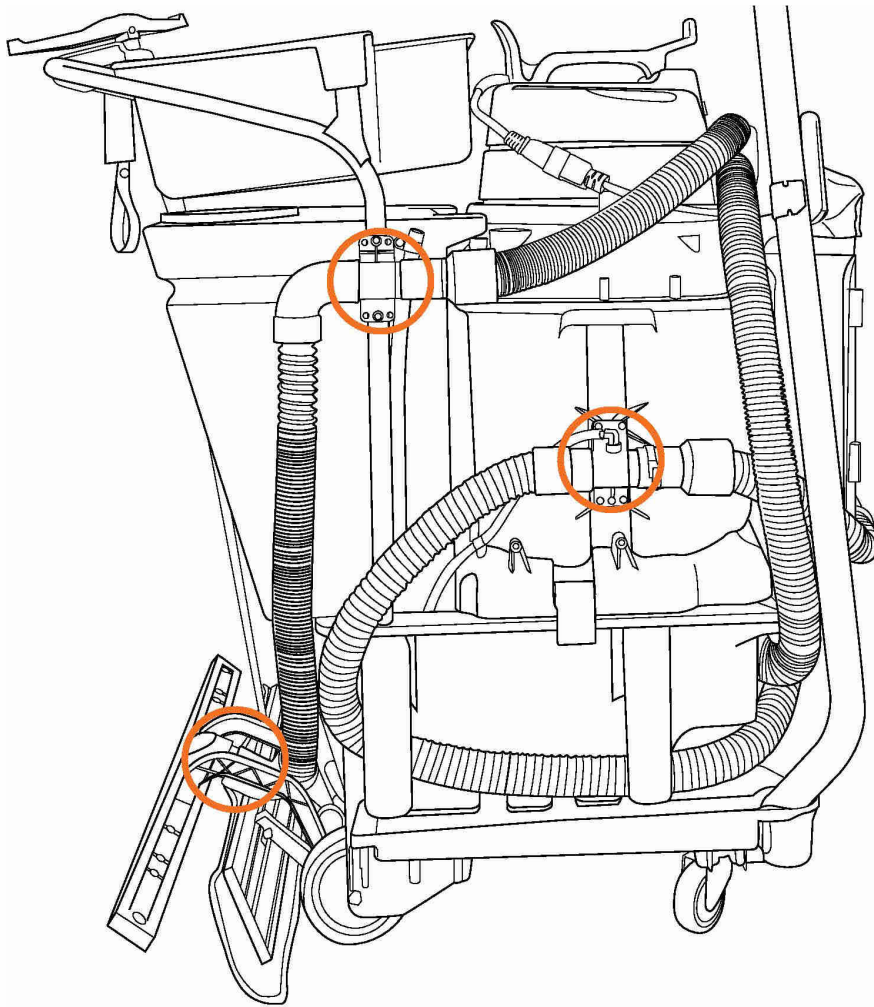
Always unplug unit before servicing unit or inspecting.

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 (if included), and chemical-resistant plastic protective helmet (if included) before charging and after charging. - Charge and store battery indoors. - If included, 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. - Always keep helmet affixed to top of battery if your battery is so equipped. - To view the battery, temporarily move the splash cover (if included). 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. - 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 Unit, Omniflex Unit, 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 (if applicable)	- Inspect splash cover for damage. - Clean and dry the splash cover. - Be sure the splash cover is secure.

ELECTRICAL DIAGRAM



TROUBLESHOOTING CLOGS



RIGHT SIDE VIEW

Clog Areas of the unit 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.

TROUBLESHOOTING



Always unplug unit before inspecting or servicing.

AREA	PROBLEM	POSSIBLE CAUSE	
Electrical	No Power to pump or vac motor	Unit not plugged in	Plug unit in
		Switch not "on"	Check switches for "on"
		GFCI tripped	Test and reset GFCI
		Building circuit overloaded	Check and reset circuit
		Switch wires loose	Disconnect power and check for loose wire
		Connections loose	Disconnect power and check for loose wire under panel
	Electrical burning smell TURN UNIT OFF IMMEDIATELY.	Vac motor brushes worn	Remove vac motor and repair
		Vac motor hung up	Release pressure on hose and jog vac switch, or replace
		Pump motor hung up	Release pressure on hose and jog pump switch, or replace
Vacuum System	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 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
	Moisture from exhaust	Vac tank full	Dump vac tank
		Float shutoff missing	Replace
		Excessive foam in vac tank	Use defoamer
Blow Dry System	No air flow	Hose disconnected	Reconnect hose
	Moisture from exhaust	Water in blow hose	Dry blow line
	Suction, not blow action	Vacuum hose connected to vac tank	Reconnect to vac motor exhaust hose

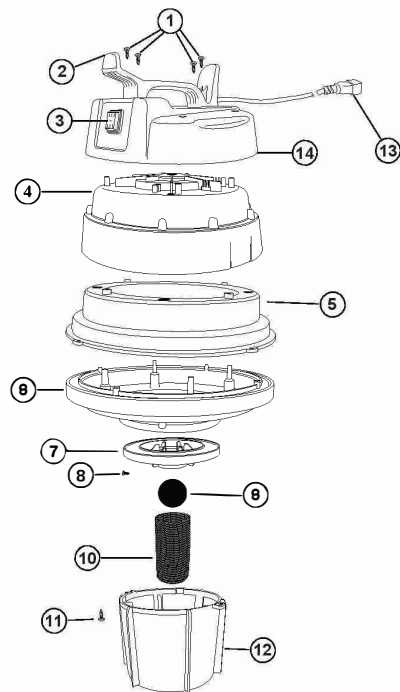
TROUBLESHOOTING

AREA	PROBLEM	POSSIBLE CAUSE	SOLUTION
High Pressure System  WARNING Always unplug unit before inspecting or servicing. RISK OF ELECTRICAL SHOCK, FIRE, SERIOUS INJURY, OR DEATH	No water from pump or low pressure	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
		In-line bowl filter plugged	Remove filter cover and clean
		Bowl filter lid loose	Gently tighten bowl cover
		Pressure hose damaged	Repair or replace
		Quick disconnect leaking	Tighten or replace
		Injector plugged	Remove safety cap from chemical and blow small amounts of compressed air into line
		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 gun	Debris in nozzle	Remove orifice with Allen wrench and clean
		Orifice damaged	Remove and replace
Chemical Injection System  WARNING Always unplug unit before inspecting or servicing. RISK OF ELECTRICAL SHOCK, FIRE, SERIOUS INJURY, OR DEATH	No chemical flow	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
		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
		Injector installed backwards	If fluttering or pulsing sound can be heard while spraying or when unit is running, it is possible that your injector is in backwards. Remove; reinstall.
		Kink in chemical line	Replace chemical line

TROUBLESHOOTING

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

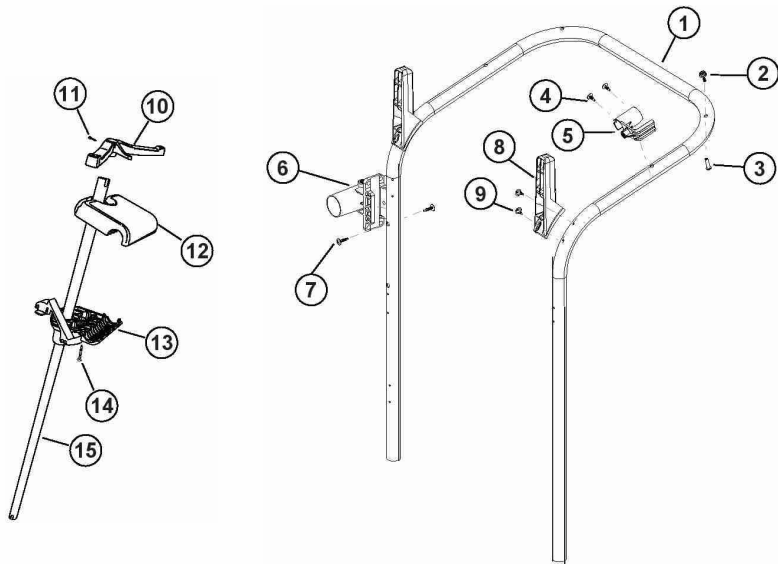
VACUUM HEAD ASSEMBLY



[P/N: VM3D04]

#	PART NO.	PART DESCRIPTION
1	CSS17A	8 SST SCREW 3/4 IN
2	OMHANY	OMNIFLEX VAC MOTOR HANDLE YELLOW
3	HESB01	25A ELECTROMAGNETIC SWITCH HEAVY DUTY
4	ZD10MC	OMNI VAC MOTOR MIDDLE COVER
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

HANDLE ASSEMBLY

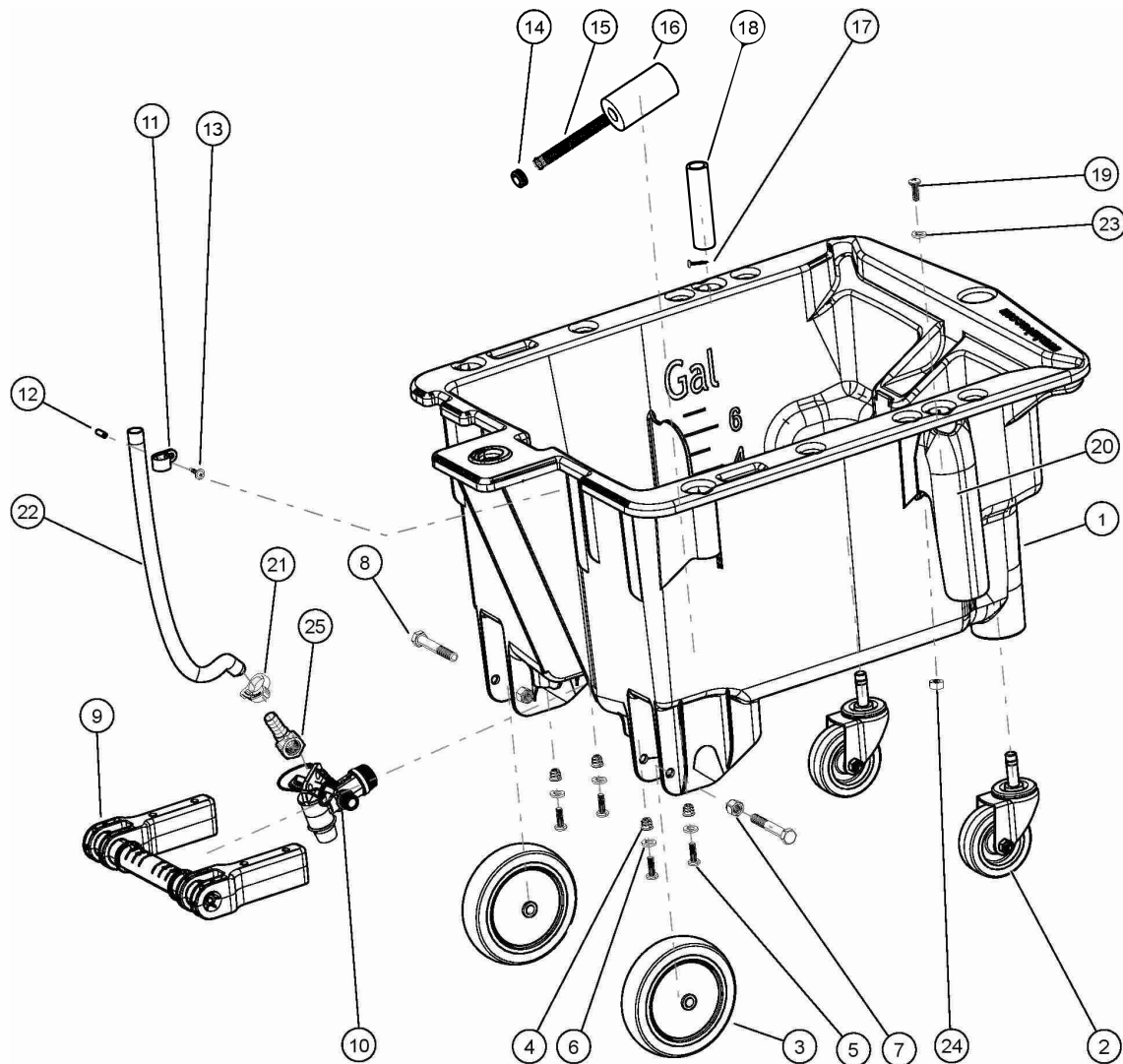


[P/N: COHA03]

#	PART NO.	PART DESCRIPTION
1	OFUHA	HANDLE ASSEMBLY OMNIFLEX 4 BEND
2	CSS147	MALE SNAP 18-8 SS 8-32 X 1/2
3	CSS335	8-32 FEMALE BINDING POST
4	CSS208	SCREW PHILLIPS TRUSS ZINC NO. 8 X 1/2IN
5	ACLIP	ACCESSORY CLIP
6	GP0015	WIDE AREA CARPET MIXING TUBE
7	CSS398	PHILLIPS - TRUSS-ZINC - NO. 8 X 3/4IN

8*	STOB	RAW HANDLE STOB
9*	CSS208	SCREW PHILLIPS TRUSS ZINC NO. 8 X 1/2IN
10*	OTT	OMNIFLEX THUMB THROTTLE
11*	CSS332	8 SST SCREW 7/8
12*	GA0009	THUMB THROTTLE PLATFORM
13*	OTTPLATL	GENERAL THUMB THROTTLE PLATFORM LOCK
14*	CSS329	SCREW FORMING TORX PAN 1/4 X 1IN
15*	EXTROD	THUMB THROTTLE EXTENSION GEN 1

TROLLEY BUCKET ASSEMBLY

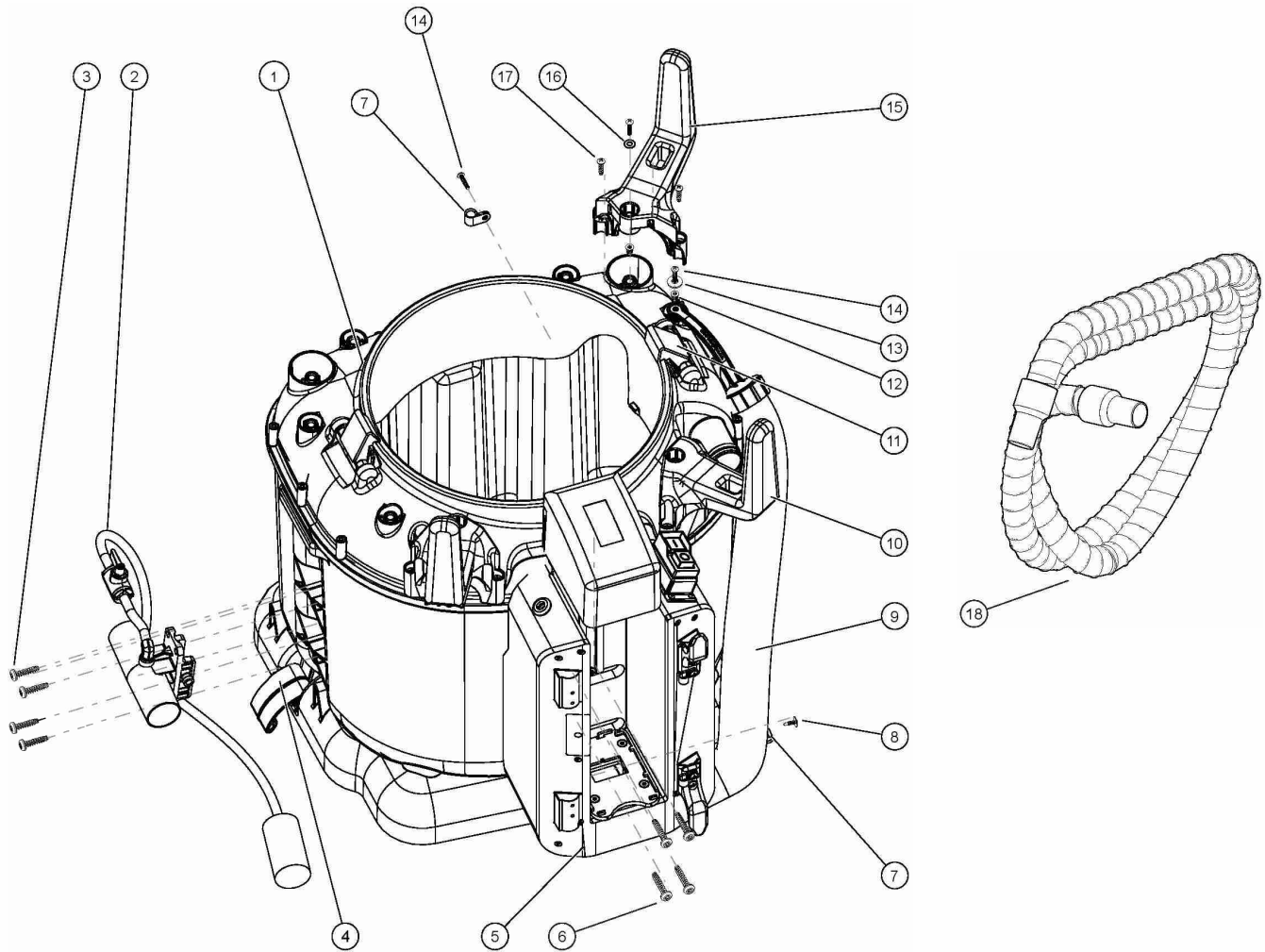


[P/N: PTOF03]

#	PART NO.	PART DESCRIPTION
1	KMFBK	OMNIFLEX TROLLEY BLACK
2	OFCSTR	OMNIFLEX 3 IN CASTER NO BRAKE
3	WH5KMF2	5 IN DIA REAR WHEEL
4	KF017	INSERT - FLANGED - 1/4-20 X .394IN
5	CSS187	SCREW - MACHINE - PHILLIPS - PAN - ZINC - 1/4-20 X 3/4IN
6	CSS133	WASHER - SPLIT LOCK - 18-8 SST - 5/16 - .310ID X .565OD
7	CSS311	NUT - HEX - LOCKING - ZINC - 3/8-16
8	CSS302	BOLT - MACHINE - HEX - 18-8 SST - 3/8-16 X 2 1/2IN
9	AVHA	AUTOVAC - GEN 2 TROLLEY HITCH
10	GA0014	SPIGOT ASSEMBLY - 3/4IN GEN 2 THUMB THROTTLE W/LANYARD & PIN
11	CPS70	CLAMP - CABLE - 5/8
12	CSS398	SCREW - DRILLING - PHILLIPS - TRUSS - ZINC - NO. 8 X 3/4IN

13	CSS334	CAP - EPDM - .1 X .5IN
14	CPS39V	ORING - FKM - 112 - .487ID X .693OD
15	CPS07	SPIGOT - RAW - TUBE
16	GP0019	FILTER - MIXER - RAW - SLEEVE
17	CSS17A	SCREW - TAPPING - PHILLIPS - PAN - 18-8 SST - NO. 8 X 3/4IN
18	OTP	TROLLEY - VAC TANK INTERFACE POST
19	CSS319	SCREW - MACHINE - PHILLIPS - PAN - 18-8 SST - 1/4-20 X 3/4IN
20	OHORN	TROLLEY - MULTI PURPOSE POST
21	CSS114	SNAP GRIP CLAMP SIZE F
22	HPST01	SITE TUBE 12 3/4"
23	CSS306	WASHER - NEOPRENE GALVANIZED 1/4 - .250ID X .583OD
24	CSS155	HEX NUT - ZINC - 1/4-20
25	HPF100	ELBOW 90 DEG FITTING POLYETHYLENE - 3/8F X 1/2 BARB

VACUUM TANK ASSEMBLY

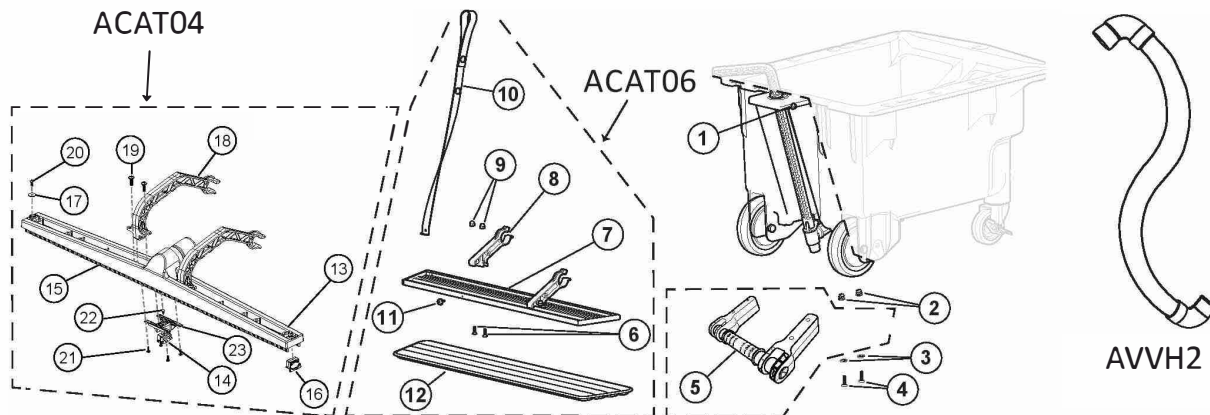


[P/N: VTOF18, VTOF45]

#	PART NO.	PART DESCRIPTION	10	OSTOB2	OMNIFLEX - VAC TANK - MULTI PURPOSE POST - HOSE PORT
1	OVTSA8Y	VAC TANKRAW TOP BLACK BOTTOM YELLOW	11	CLASP1Y	OMNIFLEX - VAC TANK - CLASP UPPER YELLOW
2	GA0023	FILTER - MIXER - ASSEMBLY - ALL SURFACE	12	CSS211	INSERT - FLANGED - 8-32 X .361IN
3	CSS329	SCREW - FORMING - TORX - PAN - ZINC - 1/4 X 1IN	13	CSS306	WASHER - FLAT - NEOPRENE GALVANIZED - 1/4 - .250ID X .583OD
4	CLASP2Y	OMNIFLEX - VAC TANK - CLASP LOWER YELLOW	14	CSS209	SCREW - MACHINE - PHILLIPS - PAN - 18-8 SST - 8-32 X 3/4IN
5A	EABT11	QUICK CHANGE INTERFACE - 36VDC GEN 2 PLASTIC W/CHARGER W/IOF	15	OSTOB	OMNIFLEX - VAC TANK - MULTI PURPOSE POST
5B	EABT21	QUICK CHANGE INTERFACE - 36VDC GEN 2 PLASTIC W/CHARGER W/IOF-INTL	16	CSS382	WASHER - FLAT - 316 SST - NO. 10 - .203ID X .438OD
6	CSS364	SCREW - FORMING - TORX - PAN - ZINC - 1/4 X 1 1/4IN	17	CSS322	SCREW - FORMING - PHILLIPS - PAN - ZINC - NO. 10 X 3/4IN
7	CPS75	CLAMP - CABLE - 3/8	18	GA0012	VAC HOSE - FOOD SERVICE 12FT 8IN W/TETHER
8	CSS208	SCREW - DRILLING - PHILLIPS - TRUSS - ZINC - NO. 8 X 1/2IN	19*	VAVH00	VAC HOSE - FOOD SERVICE 5FT 10IN
9	HVDH00	DUMP HOSE - 26IN W/ 2IN CUFF FOOD SERVICE	20*	HWM012	SNAP GRIP CLAMP SIZE S

* Not shown but part of assembly

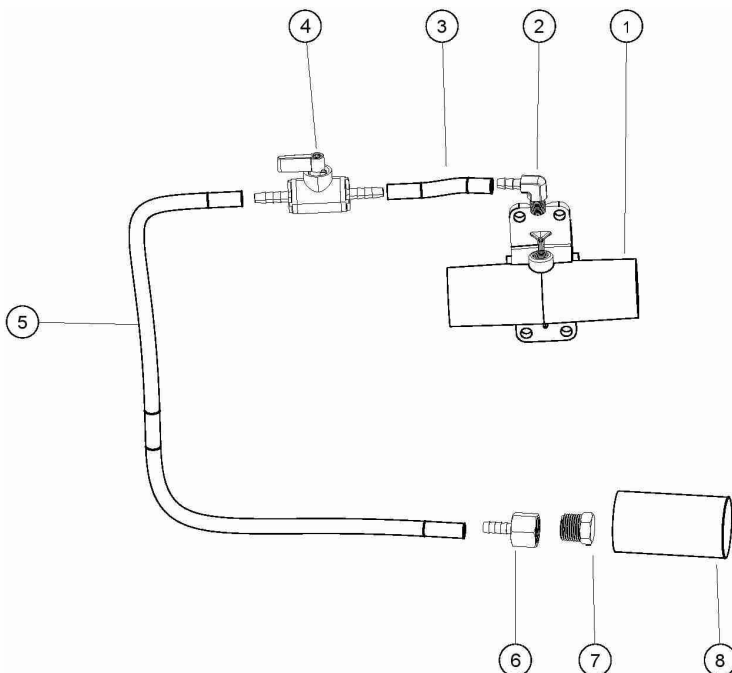
AUTOVAC ASSEMBLY



#	PART NO.	PART DESCRIPTION
	AVVH2	STRETCH VAC HOSE 7.5'
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
5	AVHA	AUTOVAC HITCH ASSEMBLY
	ACAT06	AUTOVAC SPREADER ASSEMBLY LONG STRAP
6	CSS190	ARM MOUNTING SCREWS
7	AVMFH	MICROFIBER PAD HOLDER
8	AVMFARM	SPREADER PLASTIC ARM BLACK
9	CSS102	ACORN NUT FOR ARM
10	COST02	STRAP - ASSEMBLY - SPREADER LONG BLACK

11	CSS20	SNAP STUD
12	UWMP-26	AUTOVAC MICROFIBER PAD
	ACAT04	AUTOVAC VACUUM ASSEMBLY
13	CVS12-28	28" SQUEEGEE HEAD ASSEMBLY
14	STEEL	S/S WHEEL LASY FOR SQUEEGEE HEAD
15	CVA03BK	AUTOVAC SQUEEGEE BLADE
16	STEELC	AUTOVAC WHEEL REPLACEMENT
17	CSS373	FLAT WASHER - 18-8 SST - NO. 6 - .156ID X .562OD
18	AVVARM	VACUUM PLASTIC ARM
19	CSS191	#12-24 X 5/8 SCREW FOR ARM
20	CAA09B	PHILLIPS - PAN - 410 SST - NO. 8 X 1/2IN
21	CAA09	PHILLIPS - PAN - 18-8 SST - NO. 8 X 5/16IN
22	CSS318	PHILLIPS - PAN - 18-8 SST - NO. 6 X 5/16IN
23	KACWH	SQUEEGEE HEAD - 28IN CENTER WHEEL HOUSING

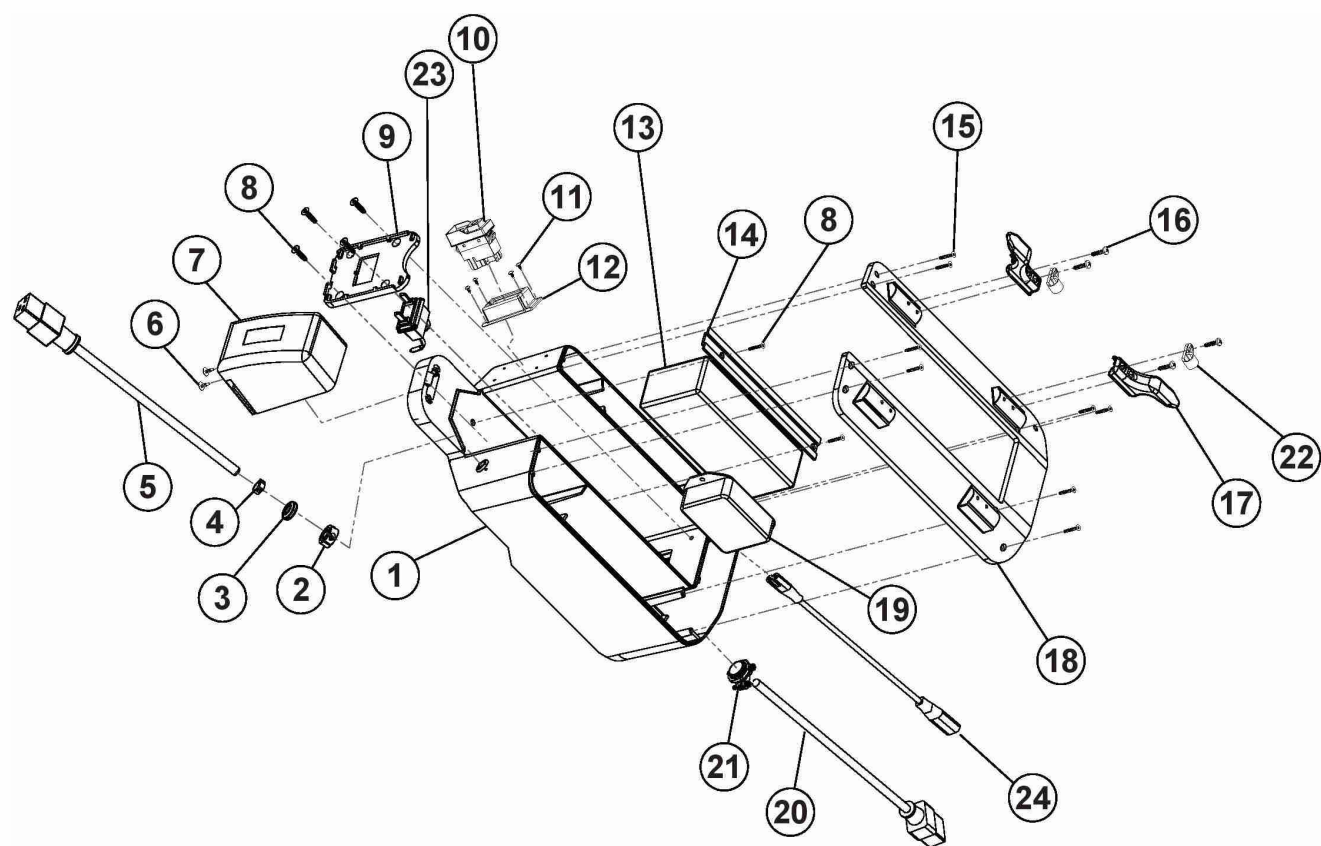
MIXER FILTER ASSEMBLY



[P/N: GA0023]

#	PART NO.	PART DESCRIPTION
1	GP0015	RAW ALL FLOOR MIXING TUBE
2	CPS68	ELBOW 90 DEG BRASS 1/8M X 1/4M BARB
3	COHS00	HOSE RAW 1/4 ID X 3/8 OD
4	CPS50	VALVE 2 WAY NYLON
5	COHS00	HOSE RAW 1/4 ID X 3/8 OD
6	CPS63	ADAPTER BRASS 3/8F X 1/4M BARB
7	CSS204	BRASS PLUG 3/8
8	GP0019	FILTER MIXER SLEEVE

BATTERY HOUSING ASSEMBLY



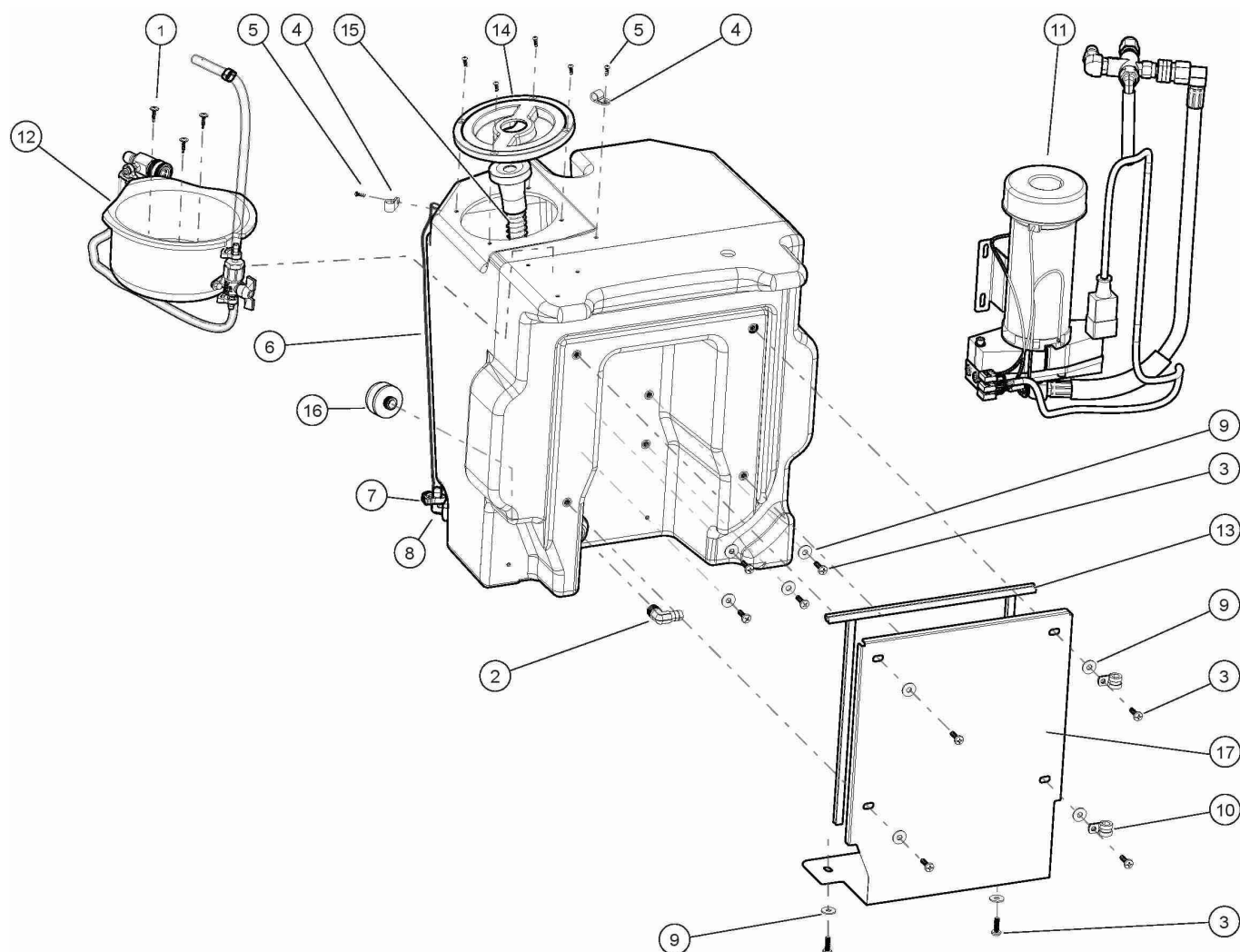
[P/N: EABT11, EABT21]

#	PART NO.	PART DESCRIPTION
1	GP0008	RAW - QUICK CHANGE INTERFACE - GEN 2 MAIN
2	HWM004	COLLAR - BLACK OXIDE - 3/8
3	HWM005	GROMMET - SBR - .375ID X .50D - .094 MATERIAL
4	HWM006	CLAMP - SNAP GRIP - B - .31 - .36
5	HEPC04	POWER CORD - PIGTAIL - 14 GAUGE 3 CONDUCTOR 23.5IN C19
6	CSS208	PHILLIPS - TRUSS - ZINC - NO. 8 X 1/2IN
7	GP0000	RAW - QUICK CHANGE INTERFACE - SPLASH GUARD
8	CSS359	FORMING - TORX - FLAT - 18-8 SST - NO. 10 X 3/4IN
9	BINTBASE	BATTERY - RAW - INTERFACE BASE
10	HESB01	SWITCH - ELECTROMAGNETIC - 25A HEAVY DUTY
11	CSS318	SCREW - TAPPING - PHILLIPS - PAN - 18-8 SST - NO. 6 X 5/16IN

12	GP0023	QUICK CHANGE INTERFACE - GEN 2 SWITCH OFFSET
13	EACG00	CHARGER - INPUT 100-240VAC OUTPUT 42VDC 4A
14	HEBT00	BATTERY - RAW - INTERFACE RAIL HALF LENGTH
15	HWS000	SCREW - FORMING - TORX - FLAT - 18-8 SST - NO. 6 X 3/4IN
16	CSS322	FORMING - PHILLIPS - PAN - ZINC - NO. 10 X 3/4IN
17	GP0010	QUICK CHANGE INTERFACE - GEN 2 CORD WRAP CLEAT
18	GP0009	QUICK CHANGE INTERFACE - GEN 2 COVER
19	HETR01	IOT TRACKING DEVICE
20	HEPC09	POWER CORD - PIGTAIL - 14 GAUGE 3 CONDUCTOR 38.5IN C19
21	CES12	CLAMP - CORD GRIP - SCREW DOWN
22	HWM010	CLAMP - CABLE - 3/16
23	BINTPLUG	BATTERY - RAW - INTERFACE PLUG
24*	HEPC07	C7 TO C8 24 IN.

* International units only.

SPARE WATER TANK ASSEMBLY



[P/N: SP3D00]

#	PART NO.	PART DESCRIPTION
1	CSS398	DRILLING - PHILLIPS - TRUSS - ZINC - NO. 8 X 3/4IN
2	CSS158	ELBOW 90 - BRASS - 3/8M X 1/2M BARB
3	CSS187	HARDWARE - PHILLIPS - TRUSS - ZINC - NO. 8 X 3/4 IN
4	HWM003	CABLE CLAMP 7/16
5	HWS007	FORMING - PHILLIPS - PAN - 410 SST - NO. 8 X 5/8IN
6	ST16B	SIGHT - TUBE - 3/8 ID 16 1/4IN
7	CSS21	CLAMP - SNAP GRIP - D - .48 - .55
8	CSS143	ELBOW 90 - BRASS - 3/8M X 3/8M BARB

9	CSS44	WASHER - FLAT - ZINC - 1/4 - .313ID X .750OD
10	HWM017	VIBRATION DAMPENING LOOP
11	PM5D02	PUMP MOTOR ASSEMBLY
12	GA0015	INJECTOR ASSEMBLY
13	GA0024	ADHESIVE GASKET
14	LID4	LID - 4 1/2IN BLACK
15	UFH	UNIVERSAL FILL HOSE
16	MFILT	MUSHROOM FILTER
17	GM0002	PUMP COVER PLATE

#	PART NO.	PART DESCRIPTION
1	HPPM02	PUMP MOTOR RAW - 500 PSI 36VDC
2	CPS10	HOSE CLAMP WORM 7/16 - 25/32
3	CPS09	HOSE 1/2 ID X .750 OD WIRE REINFORCED
4	CES36	SPLICE FITTING - PUSH IN 24-12 3 PORT
5	HEPC05	POWER CORD 14 GA 3 CONDUCTOR 41.5IN C20
6	CPS13	HOSE 3/8 ID X .600 OD WIRE REINFORCED

#	PART NO.	PART DESCRIPTION
1	GP0036	VAC LID JUG HOLDER
2	CSS21F	CLAMP - SNAP GRIP - C - .40 - .47
3	CPS12JQCS	INJECTOR 3/8F TO 3/8M
4	CPS107	ADAPTER POLYPROPYLENE - 1/2M BSPT X 1/4M BARB
5	CSS179	ACORN NUT 18-8 SST - 8-32
6	CSS388	WASHER FLAT - 18-8 SST NO. 8
7	HWS003	SCREW PHILLIPS - PAN - 18-8 SST 8-32 X 1/2IN
8	CPS01	HOSE RAW 1/4 ID X 7/16 OD BRAIDED REINFORCED
9	CPS65	HOSE CLAMP EAR 1/2
10	CPS44A	VALVE 2 WAY BRASS

