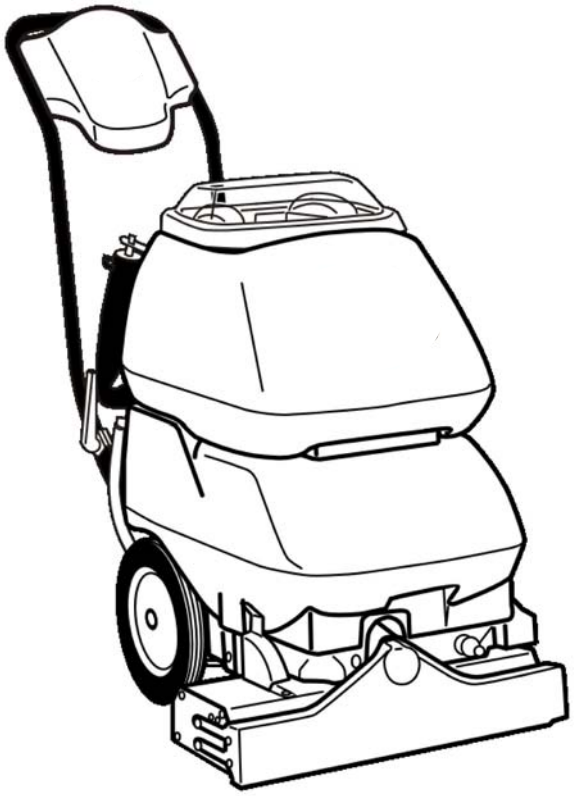
Model: BRC 46/38 C (115V)
1.008-054.0



3146518

Operating Instructions (ENG)

Read these instructions before using the machine.

86343030 – K
04/11/17

Model: _____

Date of Purchase: _____

Serial Number: _____

Sales Representative: _____

Address: _____

Phone Number: _____

Warranty Registration

Thank you for purchasing a Kärcher product. Warranty registration is quick and easy. Your registration will allow us to serve you better over the lifetime of the product.
To register your product go to:

www.karchercommercial.com/WarrantyRegistration.aspx

For customer assistance:

1-888-805-9852

KÄRCHER®

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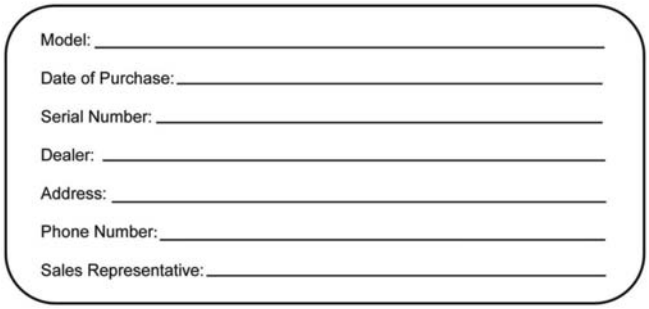
HOW TO USE THIS MANUAL

This manual contains the following sections:

- HOW TO USE THIS MANUAL
- SAFETY
- OPERATIONS
- MAINTENANCE
- PARTS LIST

The HOW TO USE THIS MANUAL section will tell you how to find important information for ordering correct repair parts.

Parts may be ordered from authorized dealers. When placing an order for parts, the machine model and machine serial number are important. Refer to the MACHINE DATA box which is filled out during the installation of your machine. The MACHINE DATA box is located on the inside of the front cover of this manual.



The model and serial number of your machine is on the bottom back-end of the machine.

The SAFETY section contains important information regarding hazard or unsafe practices of the machine. Levels of hazards is identified that could result in product or personal injury, or severe injury resulting in death.

The OPERATIONS section is to familiarize the operator with the operation and function of the machine.

The MAINTENANCE section contains preventive maintenance to keep the machine and its components in good working condition. They are listed in this general order:

- Periodic
- Daily/Regular

The PARTS LIST section contains assembled parts illustrations and corresponding parts list. The parts lists include a number of columns of information:

- **REF –** column refers to the reference number on the parts illustration.
- **PART NO.** – column lists the part number for the part.
- **PRV NO.** – reference number.
- **QTY** – column lists the quantity of the part used in that area of the machine.
- **DESCRIPTION** – column is a brief description of the part.
- **SERIAL NO. FROM** – column indicates the first machine the part number is applicable to. When the machine design has changed, this column will indicate serial number of applicable machine. The main illustration shows the most current design of the machine. The boxed illustrations show older designs. If column has an asterisk (*), call manufacturer for serial number.

- **NOTES** – column for information not noted by the other columns.

NOTE: If a service or option kit is installed on your machine, be sure to keep the KIT INSTRUCTIONS which came with the kit. It contains replacement parts numbers needed for ordering future parts.

NOTE: The number on the lower left corner of the front cover is the part number for this manual.

IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precaution must always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING THIS MACHINE.
This machine is for commercial use.

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

Connect to a **properly grounded outlet**. See Grounding Instructions.

Do not leave the machine unattended. Unplug machine from outlet when not in use and before maintenance or service.

Use only indoors. Do not use outdoors or expose to rain.

Do not allow machine to be used as a toy. **Close attention** is necessary when used by or near children.

Use only as described in this manual. Use only manufacturer's recommended components and attachments.

Do not use damaged electrical cord or plug. Follow all instructions in this manual concerning grounding the machine. If the machine is **not working properly**, has been dropped, damaged, left outdoors, or dropped into water, return it to an authorized service center.

Do not pull or carry machine by electrical cord, use as a handle, close a door on cord, or pull cord around sharp edges or corners.

Do not run machine over cord. **Keep** cord away from heated surfaces.

Do not unplug machine by pulling on cord. To unplug, grasp the electrical plug, not the electrical cord.

Do not handle the electrical plug or machine with wet hands.

Do not operate the machine with any openings blocked. Keep openings free of debris that may reduce airflow.

This machine is intended for cleaning carpet only.

Do not vacuum anything that is burning or smoking, such as cigarettes, matches, or hot ashes.

This machine is not suitable for picking up health endangering dust.

Turn off all controls before unplugging.

Do not operate this machine near flammable fluids, dust or vapors.

Maintenance and repairs must be done by qualified personnel.

If foam or liquid comes out of machine, switch off immediately.

SAVE THESE INSTRUCTIONS

IMPORTANTES MESURES DE SÉCURITÉ

L’utilisation d’un appareil électrique demande certaines précautions:

LIRE TOUTES LES INSTRUCTIONS AVANT DE FAIRE FONCTIONNER (CET APPAREIL).

⚠ AVERTISSEMENT **Pour réduire les risques d’incendie, de choc électrique ou de blessure:**

Cet appareil ne doit être connecter qu a des prises ayant une sortie de terre.

Ne pas laisser l’appareil sans surveillance lorsqu’il est branché. Débrancher lorsque l’appareil n’est pas utilisé et avant l’entretien.

Pour reduire les risques de choc electrique, ne pas utiliser à l exterieur et ne pas aspirer de matières humides.

Ne pas permettre aux enfants de jouer avec l’appareil. Une attention particulière est nécessaire lorsque l’appareil est utilisé par des enfants ou à proximité de ces derniers.

Utiliser cet appareil conformément aux instructions du présent manuel uniquement. N'utiliser que les composants et les accessoires conseillés par le fabricant.

Ne pas utiliser si le cordon ou la fiche est endommagé. Retourner l’appareil à un atelier de réparation s’il ne fonctionne pas bien, s’il est tombé ou s’il a été endommagé, oublié à l’extérieur ou immergé.

Ne pas tirer soulever ou traîner l’appareil par le cordon. Ne pas utiliser le cordon comme une poignée, le coincer dans l’embrasure d’unée porte ou l’appuyer contre des arêtes vives ou des coins. Ne pas faire rouler l’appareil sur le cordon.

Garder le cordon à l’écart des surfaces chaudes.

Ne pas débrancher en tirant sur le cordon. Tirer plutôt la fiche.

Ne pas toucher la fiche ou l’appareil lorsque vos mains sont humides.

N’insérer aucun objet dans les ouvertures. Ne pas utiliser l’appareil lorsqu’une ouverture est bloquée. S’assure que de la poussière, de la peluche, des cheveux ou d’autres matières ne réduisent pas le débit d’air.

Cette machine est destinée pour nettoyer le tapis seulement.

Ne pas aspirer de matiéres en combustion ou qui dégagent de la fumée, comme des cigarettes, des allumettes ou des cendres chaudes.

Cette machine **n’est pas** adaptée au ramassage de poussières dangereuses.

Mettre toutes les commandes à la position ARRÊT avant de débrancher l’appareil.

Ne pas aspirer des liquides inflammables ou combustibles, comme de l’essence, et ne pas faire fonctionner dans des endroits où peuvent se trouver de tels liquides.

L’entretien et les réparations de la machine **doivent être effectuées** par un personnel qualifié.

Si de la mousse ou du liquide sort de la machine, **la mettre hors tension immédiatement**.

CONSERVER CES INSTRUCTIONS

The following symbols are used throughout this guide as indicated in their descriptions:

HAZARD INTENSITY LEVEL

There are three levels of hazard intensity identified by signal words -**WARNING** and **CAUTION** and ***FOR SAFETY.*** The level of hazard intensity is determined by the following definitions:

⚠ WARNING

WARNING - Hazards or unsafe practices which COULD result in severe personal injury or death.

⚠ CAUTION

CAUTION - Hazards or unsafe practices which could result in minor personal injury or product or property damage.

FOR SAFETY: To Identify actions which must be followed for safe operation of equipment.

Report machine damage or faulty operation immediately. Do not use the machine if it is not in proper operating condition. Following is information that signals some potentially dangerous conditions to the operator or the equipment. Read this information carefully. Know when these conditions can exist. Locate all safety devices on the machine. Please take the necessary steps to train the machine operating personnel.

FOR SAFETY:

DO NOT OPERATE MACHINE:
Unless Trained and Authorized.
Unless Operation Guide is Read and understood.
In Flammable or Explosive areas.
In areas with possible falling objects.

WHEN SERVICING MACHINE:

Avoid moving parts. Do not wear loose clothing; jackets, shirts, or sleeves when working on the machine. Use manufacturer approved replacement parts.

DEGRÉS DE RISQUES EN CAS DE DANGER

Les symboles ci-dessous sont utilisés à travers ce manuel comme illustré dans leurs descriptions :

DEGRÉS DE RISQUES EN CAS DE DANGER

Il existe trois degrés de risques identifiés par les termes signalétiques –**AVERTISSEMENT** et **ATTENTION** et ***POUR VOTRE SÉCURITÉ.*** Le degré de risque est défini de la manière suivante :

⚠ AVERTISSEMENT:

AVERTISSEMENT - Dangers ou méthodes dangereuses qui POURRAIENT provoquer de graves blessures ou entraîner la mort.

⚠ ATTENTION:

ATTENTION - Dangers ou méthodes dangereuses qui pourraient provoquer des blessures légères ou une détérioration du produit ou des biens immobiliers.

POUR VOTRE SÉCURITÉ : ce signe permet d'identifier les mesures de précaution à prendre pour assurer un bon fonctionnement du matériel.

Rendre compte immédiatement d'une défaillance ou d'une détérioration de la machine. Ne pas utiliser la machine si celle-ci ne fonctionne pas correctement. Lire soigneusement les informations ci-dessous signalant certains dangers potentiels pour l'opérateur de la machine. L'opérateur doit être absolument au courant de ces dangers potentiels. Localiser tous les dispositifs de sécurité sur la machine. Il est conseillé de prendre les mesures nécessaires pour former le personnel opérateur.

POUR VOTRE SÉCURITÉ :

NE PAS MANOEUVRER LA MACHINE :
Lorsqu'on n'est pas expérimenté ou qualifié.
Lorsque le guide d'utilisation n'est pas été lu ou compris.
Dans des zones inflammables ou explosives.
Dans des zones où des objets peuvent tomber.

LORS DE L'ENTRETIEN DE LA MACHINE :

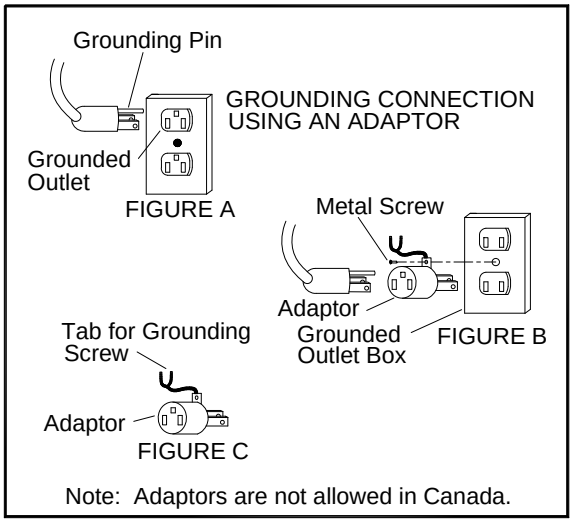
Éviter les parties amovibles. Ne pas porter de vêtements amples, tels que des vestes, des chemises ou des vêtements avec manches lors de l'utilisation de la machine. Utiliser les pièces détachées Windsor homologuées.

ELECTRICAL:
In the USA, this machine operates on a standard 15 amp 115V, 60 Hz, A.C. power circuit. The amp, hertz, and voltage are listed on the data label found on each machine. Using voltages above or below those indicated on the data label will cause serious damage to the motors.

EXTENSION CORDS:
If an extension cord is used, the wire size must be at least one size larger than the power cord on the machine, and must be limited to 50 feet (15.5m) in length.

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

This appliance is for use on a nominal 120-volt circuit, and has a grounded plug that looks like the plug in “Fig. A”. A temporary adaptor that looks like the adaptor in “Fig. C” may be used to connect this plug to a 2-pole receptacle as shown in “Fig. B”, if a properly grounded outlet is not available. The temporary adaptor should be used only until a properly grounded outlet (Fig. A) can be installed by a qualified electrician. The green colored rigid ear, lug, or wire extending from the adaptor must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adaptor is used, it must be held in place by a metal screw.



⚠ WARNING:

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

⚠ AVERTISSEMENT:

Le raccordement incorrect du conducteur de terre d'équipement peut entraîner des risques d'électrocution. Vérifiez auprès d'un électricien qualifié ou d'un responsable de l'entretien si vous avez quelque doute que ce soit quant au raccordement à la terre de votre prise murale. Ne modifiez pas la fiche fournie avec l'appareil : si elle ne correspond pas à la prise murale, faites installer une prise adéquate par un électricien qualifié. Utilisez-le uniquement sur des réceptacles protégés GFCI.

TECHNICAL SPECIFICATIONS

POWER TYPE

ELECTRICAL: 115 V, 15 A, 60 HZ

ELECTRIC VACUUM MOTOR: (1) –3 stage, 1 hp, 99 cfm (2.80 cubic meters/min.) Waterlift –117" (297cm)

BRUSH: (1) 18" (45.7 cm.)

SOLUTION PUMP: 100 PSI, diaphragm style, internal bypass

SOLUTION CAPACITY: 10 gallons (37.8 ltr)

RECOVERY CAPACITY: 10 gallons (37.8 ltr)

BRUSH SPEED: 1000 rpm

GENERAL DIMENSIONS/WEIGHT

Vacuum shoe: 20" (51 cm) cast aluminum with spring loaded down pressure

WHEELS: (2) 10" dia. (25 cm) wheels by 2"

WEIGHT: 94 lbs. (43 kg)

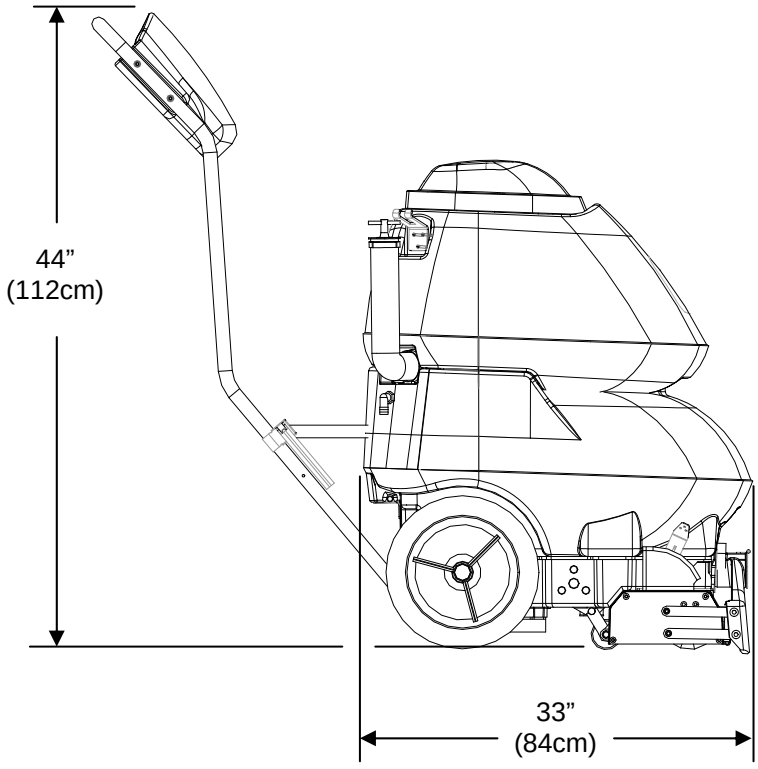
LENGTH: 33" (84 cm)

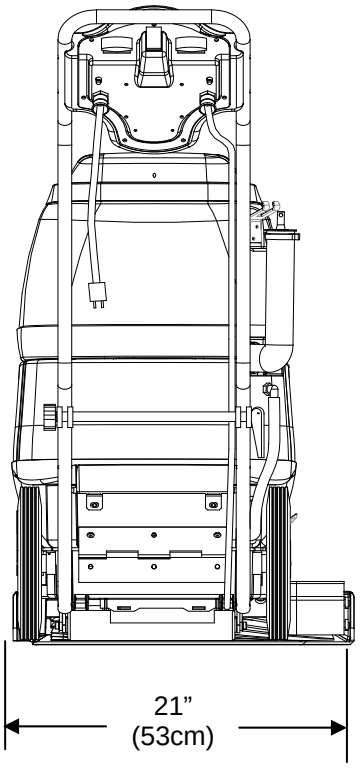
HEIGHT: 44" (112 cm)

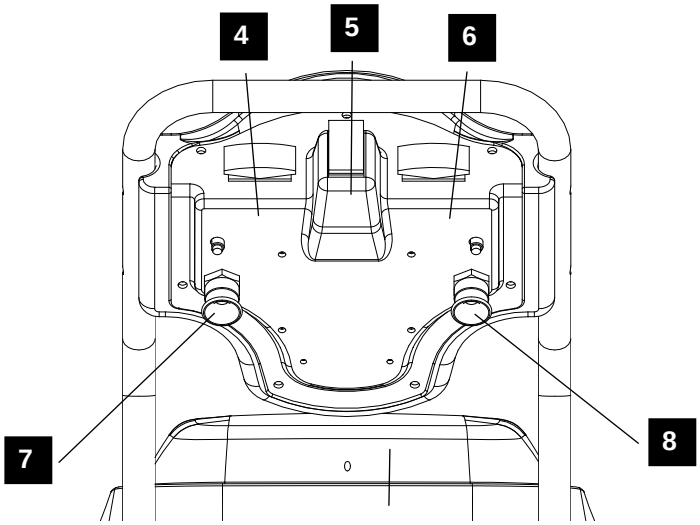
WIDTH: 21" (53 cm)

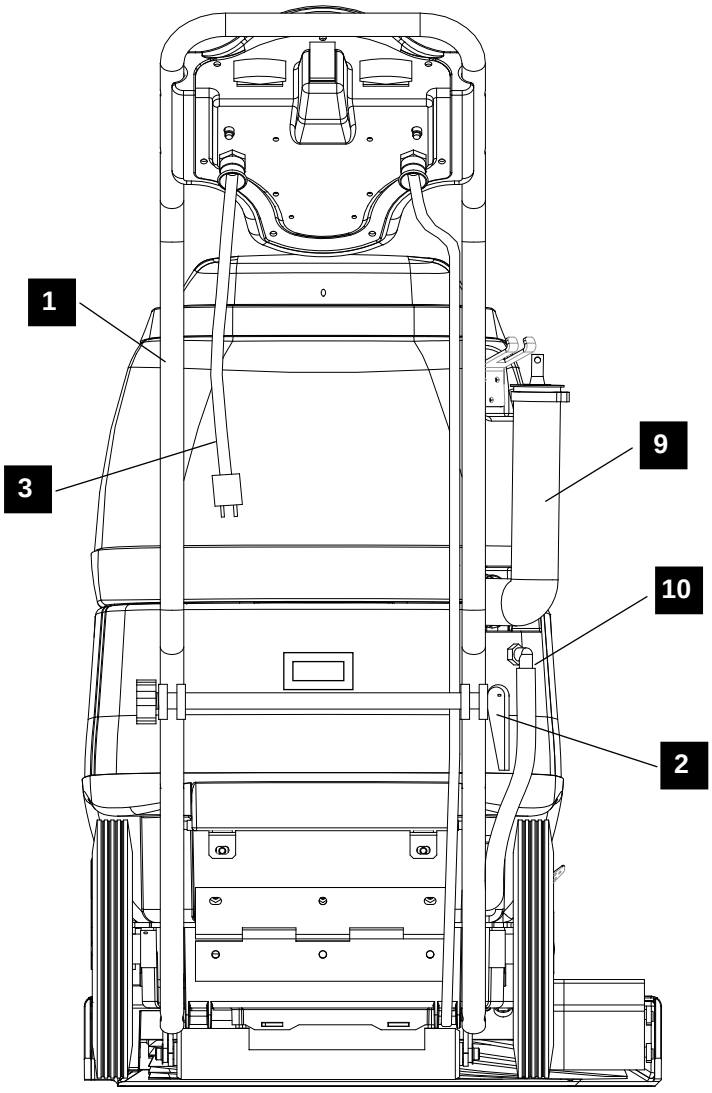
SOLUTION SPRAY: 2 quick change jets.

POWER CABLE: 50' (12.7 m) (14 gauge)









1. **Main Handle.** Used to pull and maneuver machine.

2. **Handle Adjustment.** Used to adjust height of handle.

3. **Electrical Cord.**

4. **Pump Switch.** Turns on pump and enables spray.

5. **Brush/Spray Switch.** Turns on brush motor and activates electro-valve to dispense solution to floor through jets. Intermittent, off, and continuous settings.

6. **Vacuum Motor Switch.** Turns on vacuum motor.

7. **Brush Motor Circuit Breaker.** 6 amp. Breaker protecting brush motor.

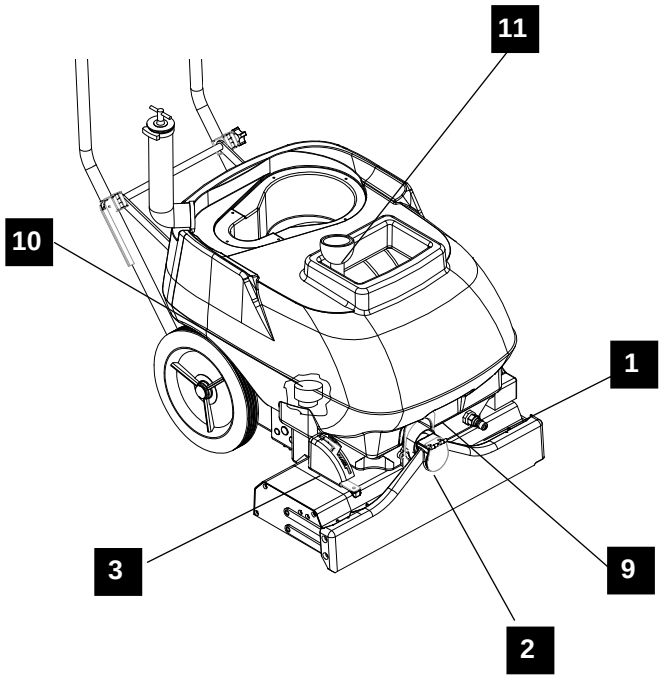
8. **Vacuum Motor Circuit Breaker.** 15 amp. Breaker protecting vacuum motor.

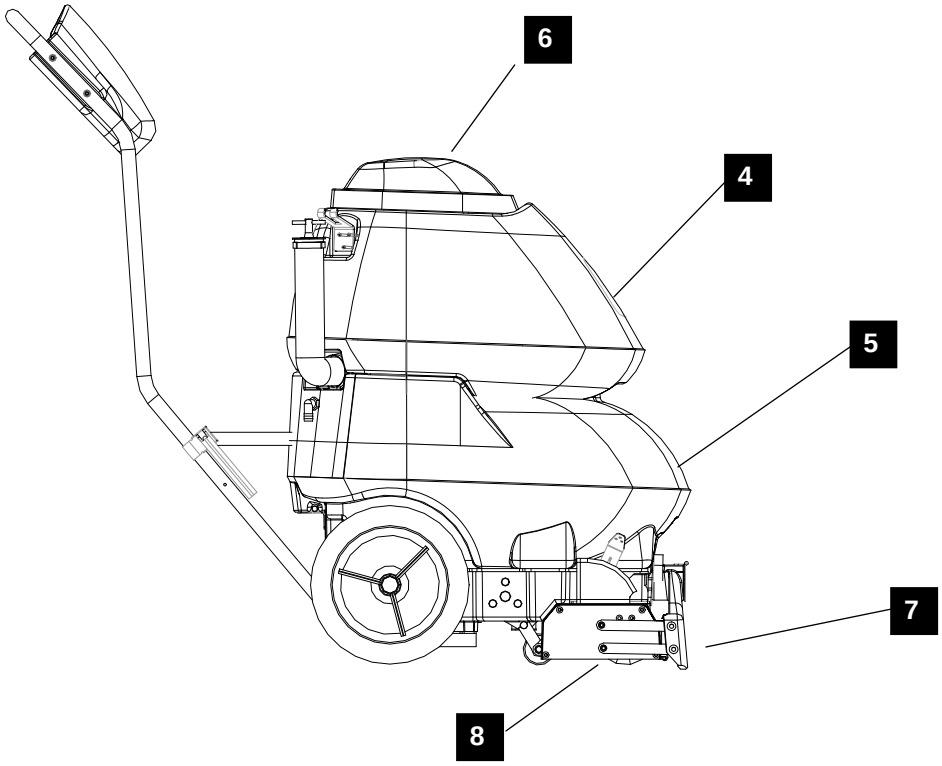
9. **Recovery Dump Hose.** Facilitates draining dirty cleaning solution.

10. **Solution Dump Hose.** Facilitates draining excess cleaning solution from solution tank.

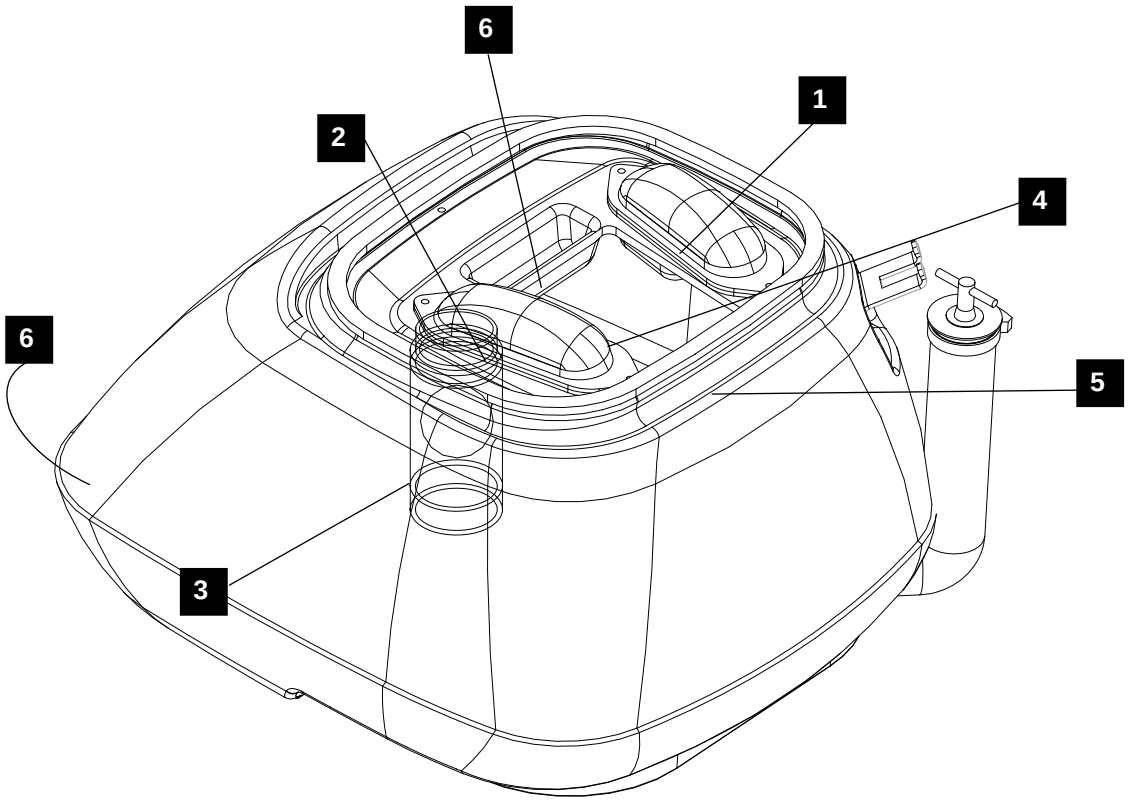
CONTROLS/COMPONENT LOCATIONS

1. **Solution Accessory Tool Hookup.** Used for various auxiliary cleaning tools.
2. **Vacuum Hose Door.** Used to connect various auxiliary 1 ½ inch cleaning tool vacuum hoses.
3. **Brush Height Adjustment.** Used to regulate brush height from storage position to various carpet heights.
4. **Recovery Tank.** Used to collect dirty cleaning solution.
5. **Solution Tank.** Used to hold cleaning solution.
6. **Recovery Tank Dome.**
7. **Vacuum Shoe.**
8. **Brush Housing.**
9. **Front Lifting Handle.**
10. **Cleaning Solution Filter.**
11. **Solution Tank Fill Hose.**

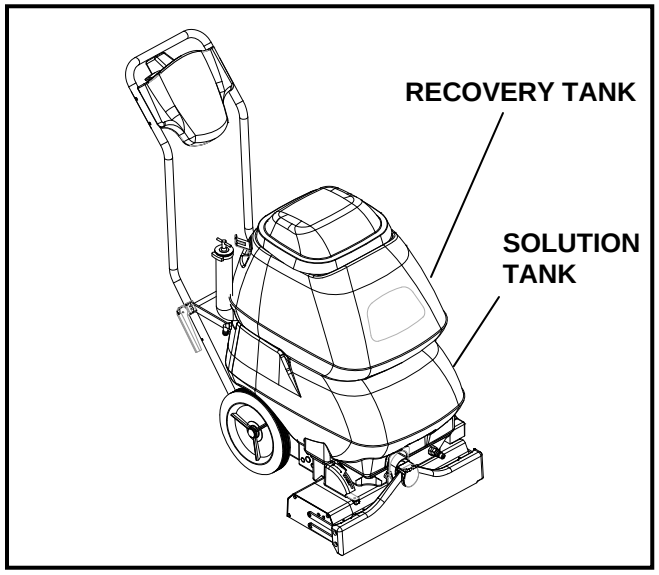


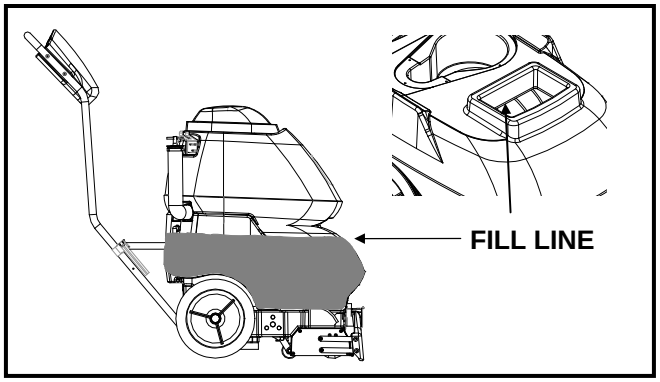


1. **Solution Intake Cover.**
2. **Vacuum Intake Cover.**
3. **Float Shut-Off.**
4. **Clean-Out Opening.**
5. **Pour Spout.**
6. **Lift Handle.**

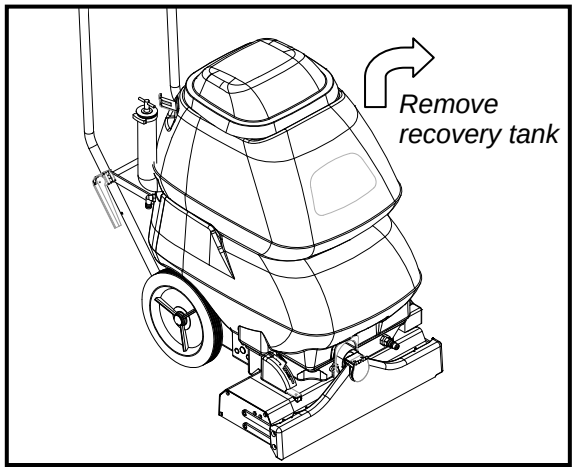


FILLING OPERATIONS

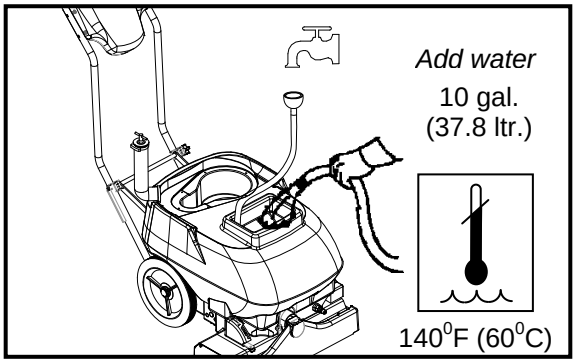




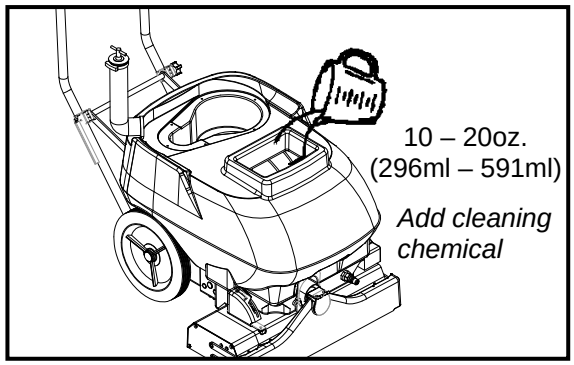
STEP **1**



STEP **2**



STEP **3**



STEP **4**

FILLING THE SOLUTION TANK

NOTE: Use clean bucket of water to fill solution tank

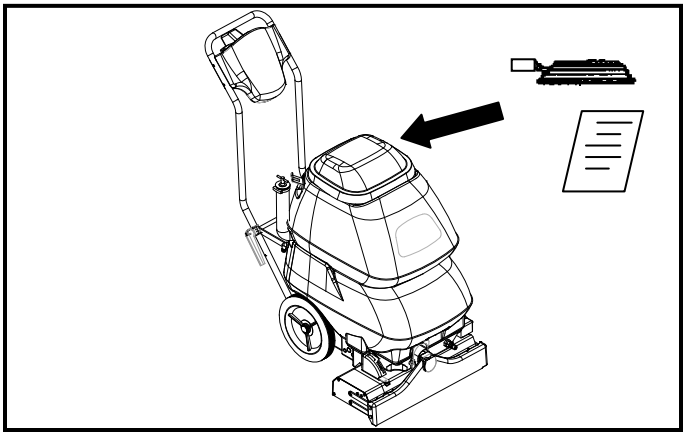
Do not put defoamer, solvents, spotter or prespray chemicals in the solution tank.

Do not allow water to spill into vacuum motor inlet. Dry spillage from top of solution tank before replacing recovery tank.

CHEMICALS

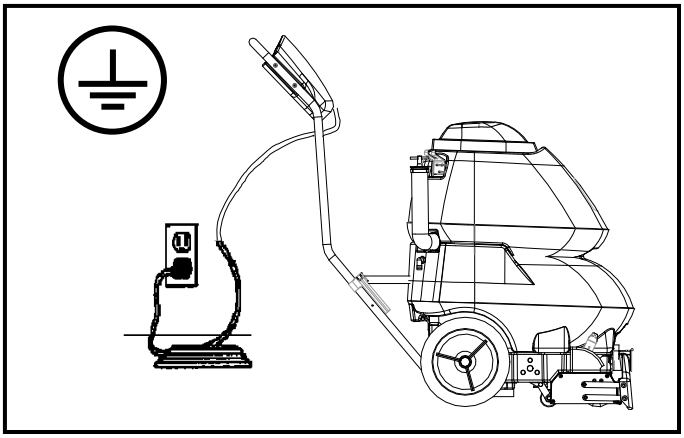
Suitable Chemicals	Non-Compatible Chemicals
Alkalis	*Aldehydes*
Detergents	*Aromatic Hydrocarbons*
Hydroxids	*SP Butyls*
Soaps	*Carbon Tetrachloride*
Vinegar	*Clorox**
	Chlorinated Bleaches
	Chlorinated Hydrocarbons
	*Lysol**
	Methyl Ethel Ketone (MEK)
	Perchorethylene (perc)
	Phenolics
	Trichlorethylene
	D-Limonene

* Product Trademark Names



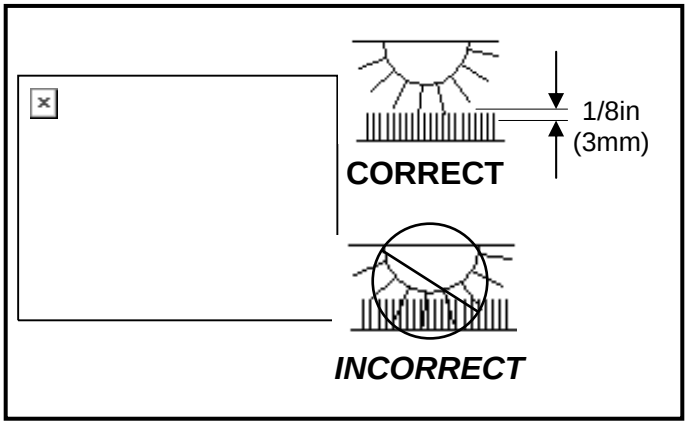
STEP **1**

Remove electrical cord and literature from recovery tank. Fill solution tank (see filling instructions page 3-5).



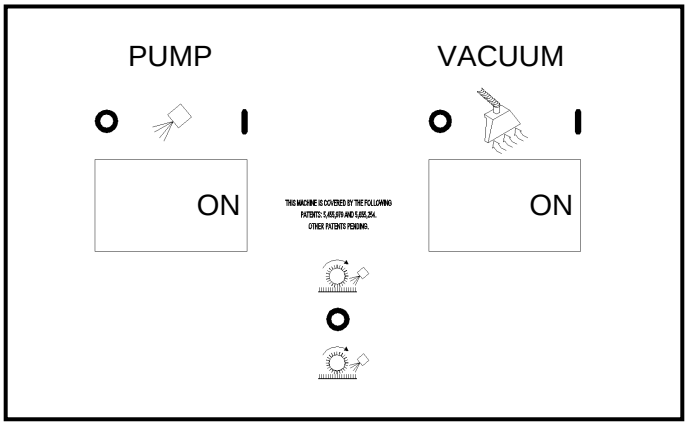
STEP **2**

Plug cord into grounded outlet. *Note: Be sure dome is seated on recovery tank, and float shut-off is installed correctly.*



STEP **3**

Adjust brush to proper setting. *Note: For good operation the brush must skim the carpet. If circuit breaker trips raise brush to prevent damage to motor or carpet.*

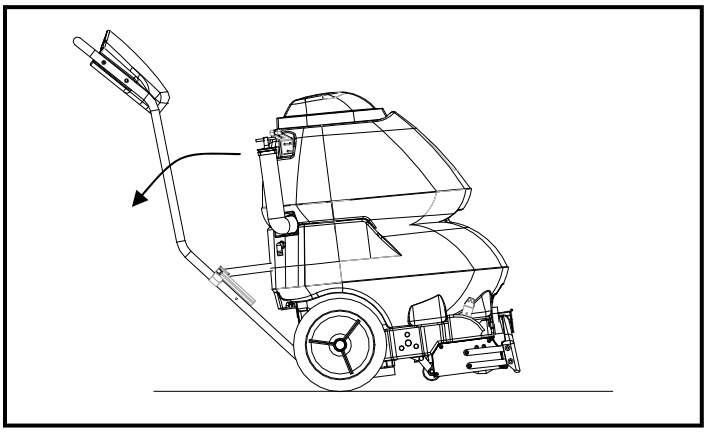


STEP **4**

Turn on both Vacuum and Pump motor switches (“ON”=“I”).

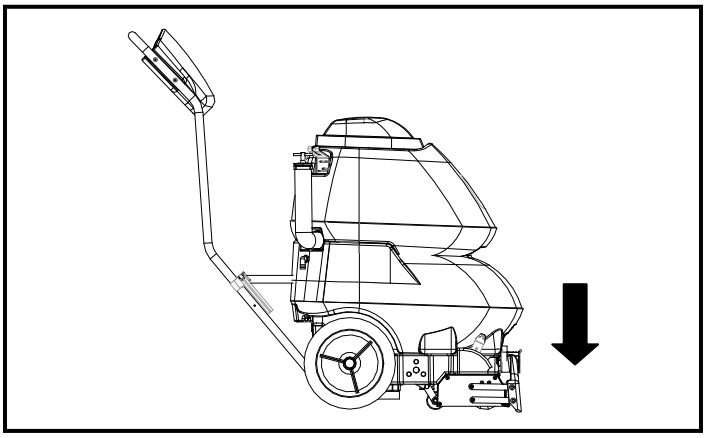
Adjust handle to comfortable operating position. Tip machine back by main handle to move to starting point.

STEP **5**



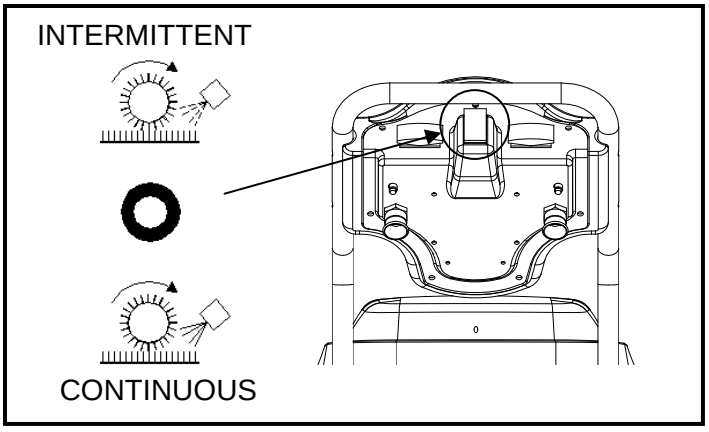
Lower machine to floor.

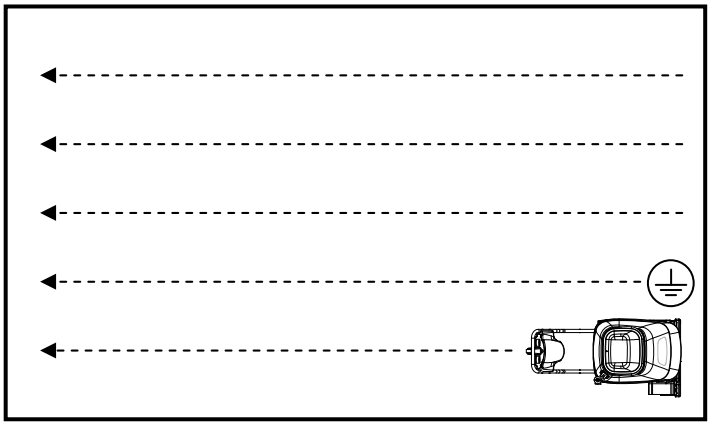
STEP **6**



Select intermittent or continuous switch setting to turn on brush and start solution spray.
The intermittent setting requires the operator to hold the switch in the “on” position with the thumb, and is typically used in small areas where short cleaning passes are made.
The continuous setting allows the operator to set the switch in the “on” position with one touch, and is typically used in large areas where long cleaning passes are made.

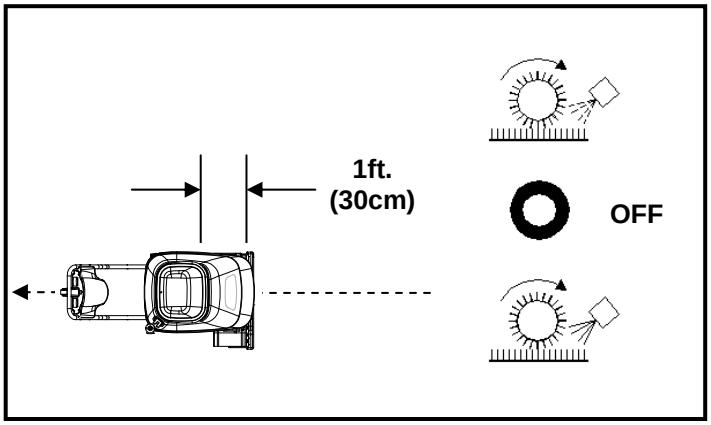
STEP **7**





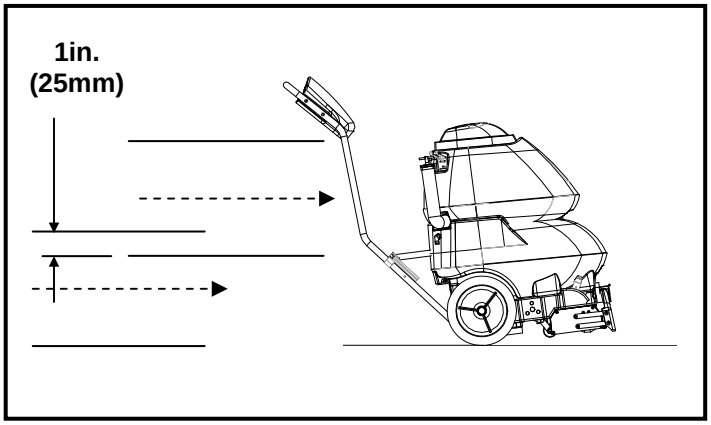
STEP **1**

Start at wall closest to power outlet. Pull straight back without pushing down on handle.



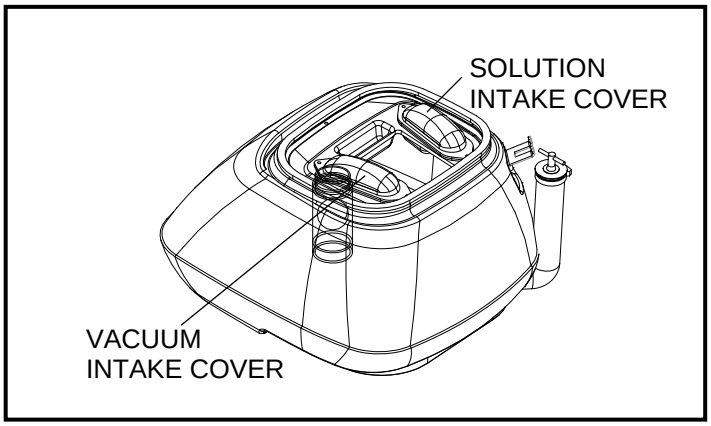
STEP **2**

Release intermittent setting or turn off continuous setting on brush/spray switch approximately 1 foot before ending cleaning pass.



STEP **3**

Push down on handle to raise vacuum shoe and brush before moving to the next cleaning pass. Overlap brush contact area approximately 1inch.



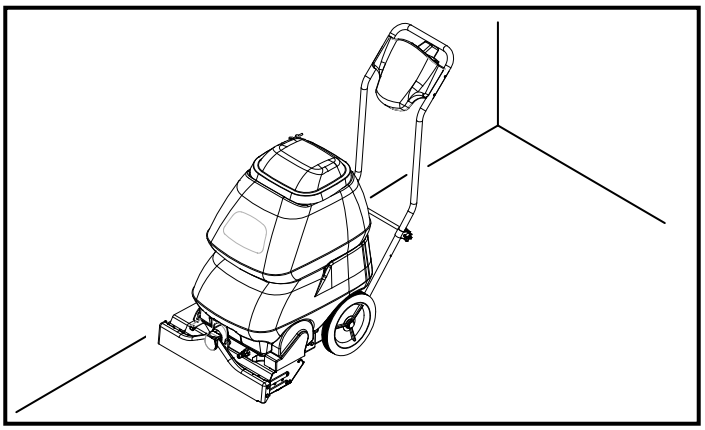
STEP **4**

During operation, observe the following: The machine is equipped with clear internal covers to facilitate operator viewing of dirty solution and vacuum air flow.
During operation, observe the vacuum intake cover. Large amounts of water or foam entering the vacuum system can damage the vacuum motor. If you notice either condition, **shut down the machine immediately**. Empty recovery tank and/or add defoamer to recovery tank.

CLEANING PROCEDURE

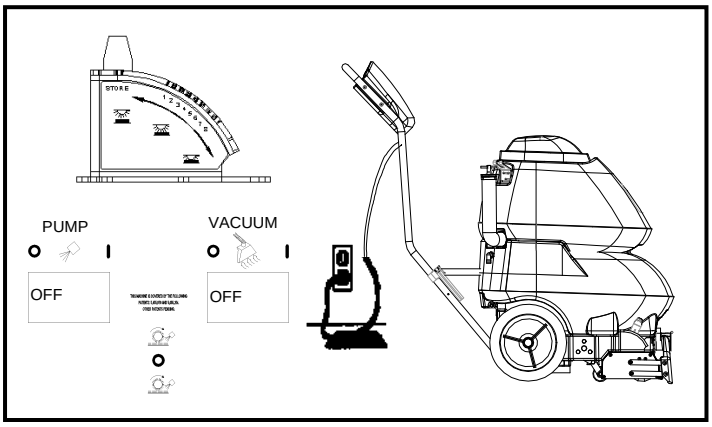
Use right side of machine for cleaning against walls.

STEP **5**



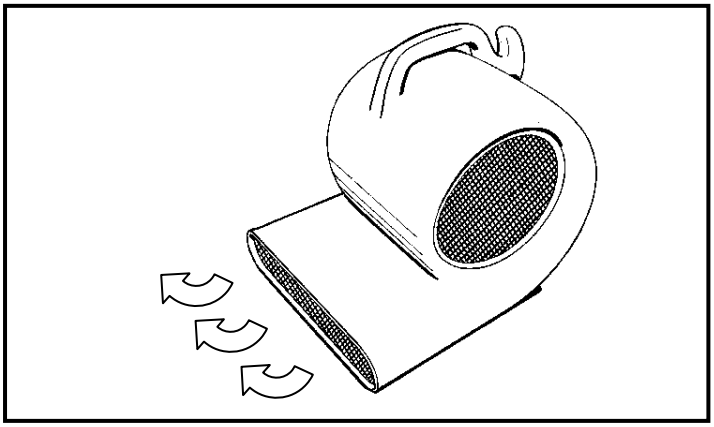
After cleaning, turn off all controls, return brush to storage position and carefully unplug machine.

STEP **6**



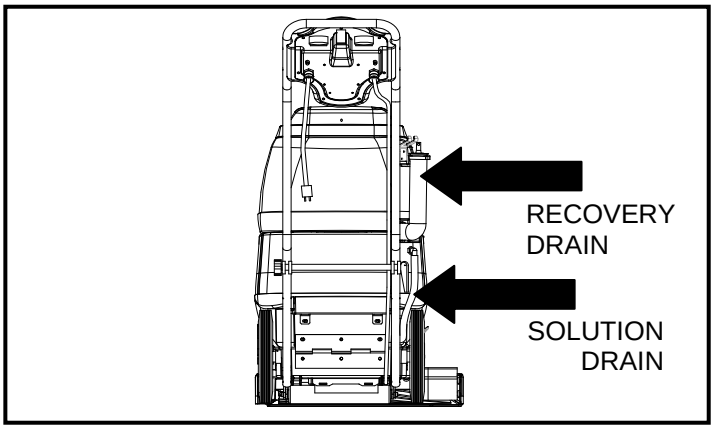
To speed drying, use a AB84 fan.

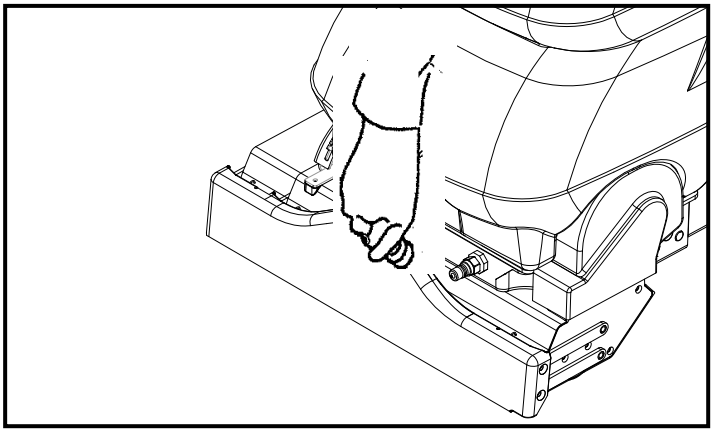
STEP **7**



Empty recovery tank by releasing dump hose. Use a hose with cold water to clean out the recovery tank. Also drain solution tank after each use.

STEP **8**



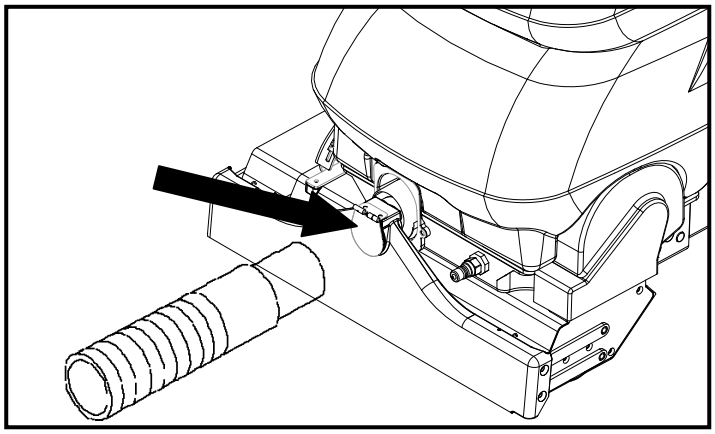


STEP **1**

Use only one of the following acceptable accessory tools.

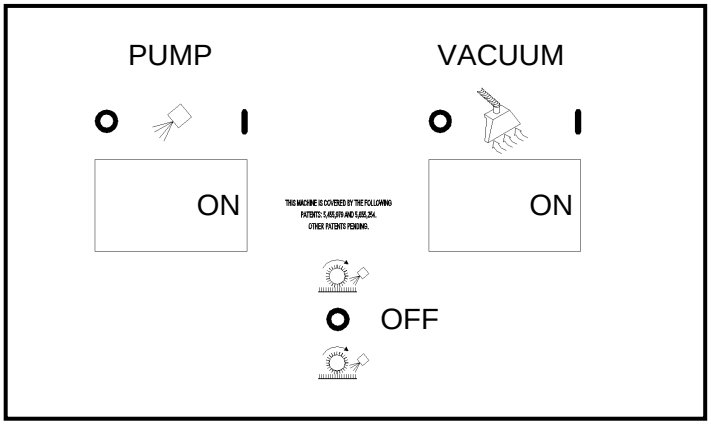
86000020 – PRV NO. HT
86000610 – PRV NO. 89227
86000600 – PRV NO. 89226
86031540 – PRV NO. 39504

Pull back collar and insert over machine mounted fitting, then release collar to lock into place.



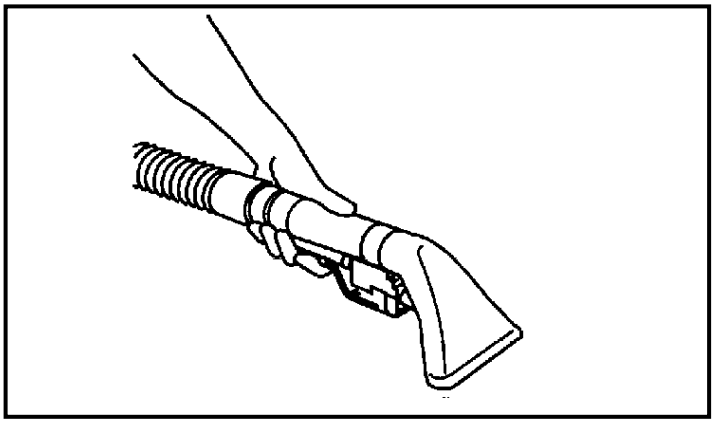
STEP **2**

Lift door on front of vacuum shoe and insert 1 ½ inch hose cuff into hole.



STEP **3**

Turn on Pump and Vacuum Switch. *Note: Be sure intermittent/continuous switch is in center (off) position and brush is in storage position.*



STEP **4**

Squeeze handle on accessory tool to begin cleaning.

MAINTENANCE

PERIODIC MAINTENANCE
Twice a month, flush a white vinegar solution (One quart vinegar to two gallons of water) or anti-browning solution (mixed as directed) through the extractor. This will prevent build-up of alkaline residue in the system. If spray jets become clogged, remove the spray tips, wash them thoroughly, and blow-dry.

NOTE: Do not use pins, wire, etc. to clean nozzles as this could destroy spray pattern.

Periodically inspect all hoses, electrical cables and connections on your machine. Frayed or cracked hoses should be repaired or replaced to eliminate vacuum or solution pressure loss. If the cable insulation is broken or frayed, repair or replace it immediately. Don't take chances with electrical fire or shock.

DAILY / REGULAR MAINTENANCE
Before making any adjustments or repairs to the machine, disconnect the power cord from electrical source.

1. Empty unused cleaning solution from the solution tank.
2. Inspect and clean filter screen in solution tank.
3. Flush pumping system with 4 or 7 liters of clean, hot water.
4. After each use, rinse tank with fresh water. Periodically inspect the recovery tank and decontaminate if necessary, using a Hospital Grade Virucide or a 1-10 bleach to water solution. Waste water should be disposed of properly.
5. Check for and remove any lint or debris around vac shoe.
6. Check spray jets for full spray pattern.
7. Remove lint and dirt build-up from brush and housing.
   NOTE: Brush removal.
   A. To remove brush, grab and pull brush out from end opposite drive belt (operator's right). Remove other end from brush driver.
   B. To install brush, line up slots in brush core with pin in driver on drive belt side (operator's left) and push brush onto driver. Then snap bearing end (opposite end) of brush into retaining clip.
8. Check cooling air screen (located on frame behind left wheel) for lint or debris.
9. Check float and shut-off screen and clean as necessary.

NOTE: Always store machine with brush in "Store" position.

⚠WARNING:

Only qualified maintenance personnel are to perform the following repairs.

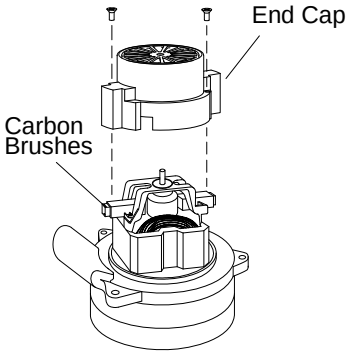
⚠ AVERTISSEMENT:

Seul le personnel d'entretien qualifié peut effectuer des réparations.

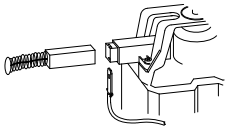
1. Turn off all switches and unplug machine.
2. Remove recovery tank.
3. Remove the (2) screws that fasten the solution tank to the frame, and tilt tank back to expose the inside of the frame.
4. Locate the vacuum motor wires and disconnect at the connector. Close the solution tank.
5. Remove the (6) screws holding the vacuum motor cover 86003080 (PRV NO. 27809) to the solution tank.
6. Remove the vacuum motor.
7. Reverse process to install vacuum motor.

WARNING: The green ground wire must be attached for safe operation. See wiring diagram.

AVERTISSEMENT: Le fil à la terre vert doit être attaché pour un fonctionnement en toute sécurité. voir le schéma de câblage.

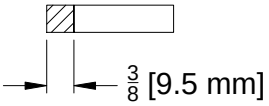


If armature commutator is grooved, extremely pitted or not concentric, the motor will need to be replaced or sent to a qualified service center.



Important:

These brushes wear quicker as the length shortens due to increased heat. Spring inside brush housing will damage motor if brushes are allowed to wear away completely.



Periodically check the length of the carbon brushes. Replace both carbon brushes when either is less than 3/8" (9.5mm) long.

⚠WARNING:

Only qualified maintenance personnel are to perform the following repairs.

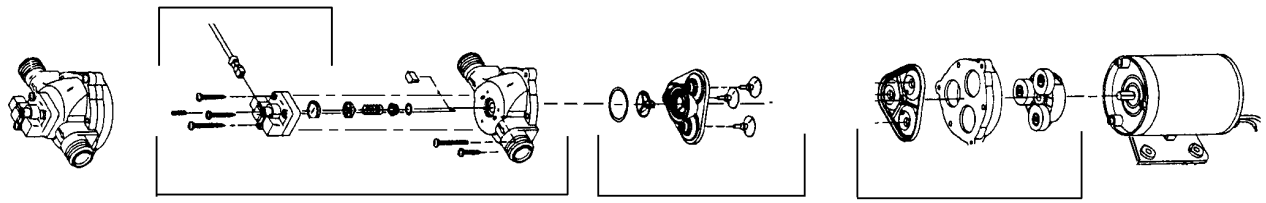
⚠ AVERTISSEMENT:

Seul le personnel d'entretien qualifié peut effectuer des réparations.

SOLUTION PUMP REPLACEMENT

1. Turn off all switches and unplug the machine.
2. Remove recovery tank.
3. Remove the (2) screws that fasten the solution tank to the frame, and tilt tank back to expose the inside of the frame.
4. Remove solution hoses from fittings in pump.
5. Remove the (2) screws that fasten the pump to the frame.
6. Reverse process to install pump.

PUMP REPLACEMENT KITS SHURFLO 100 PSI 86026390 (PRV NO. 65201)



⚠WARNING:

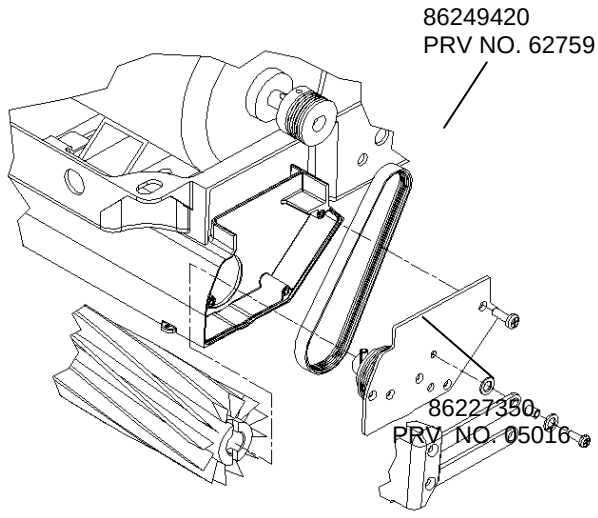
Only qualified maintenance personnel are to perform the following repairs.

⚠ AVERTISSEMENT:

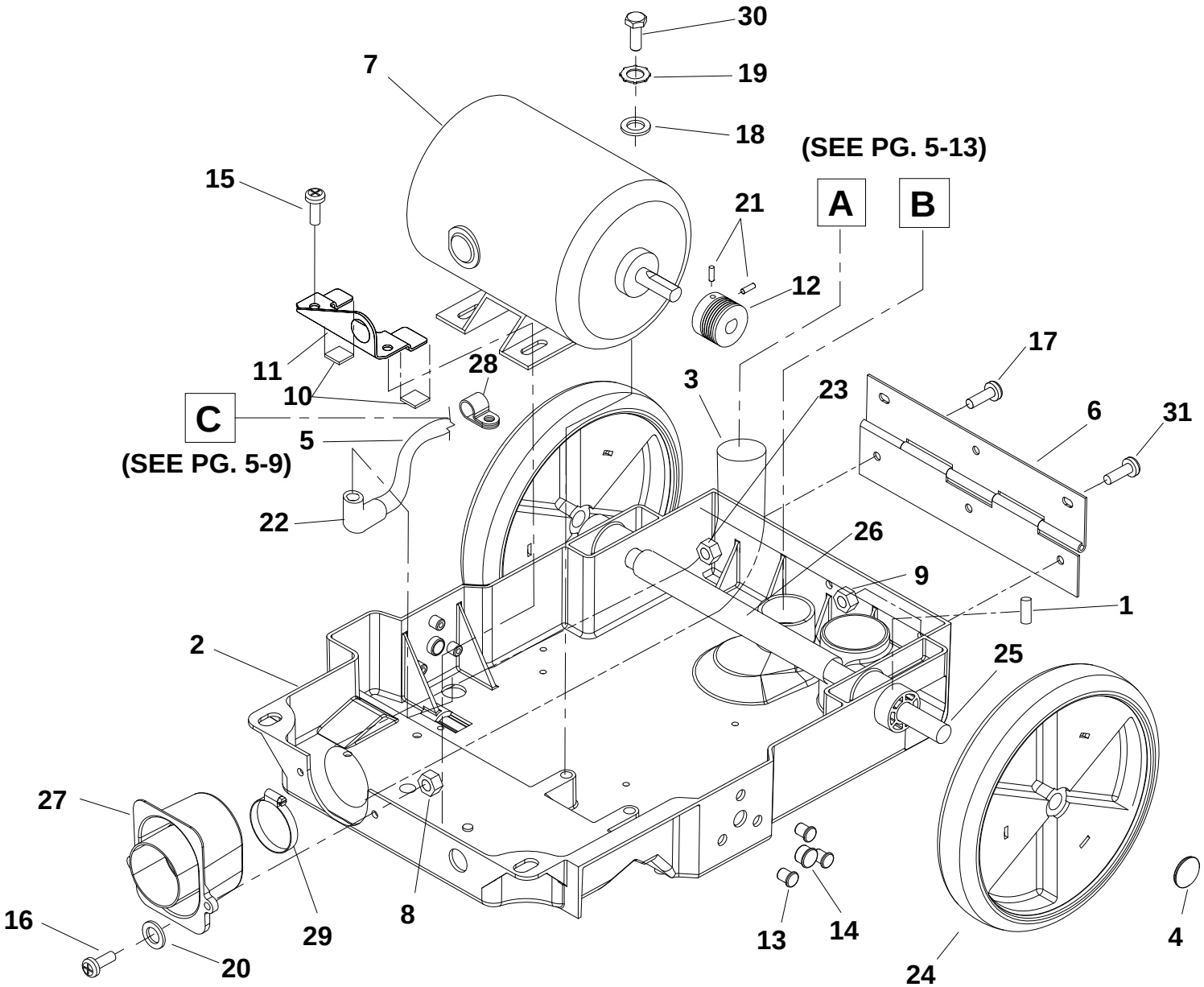
Seul le personnel d'entretien qualifié peut effectuer des réparations.

BELT REPLACEMENT

1. Turn off all switches and unplug machine.
2. Remove recovery tank and brush.
3. Remove the (2) screws that fasten the solution tank to the frame, and tilt tank back to expose the inside of the frame.
4. Loosen the (4) screws that hold the brush motor in place and slide motor forward to release tension in belt.
5. Remove the (2) screws that fasten the vacuum shoe links 86227350 PRV NO. 05016) to the brush housing.
6. Remove the (3) screws that fasten the side plate 86249420 (PRV NO. 62759) to the brush housing to remove belt. *NOTE: All components associated with driving the brush will come out with the side plate.*
7. Reverse process to install belt.

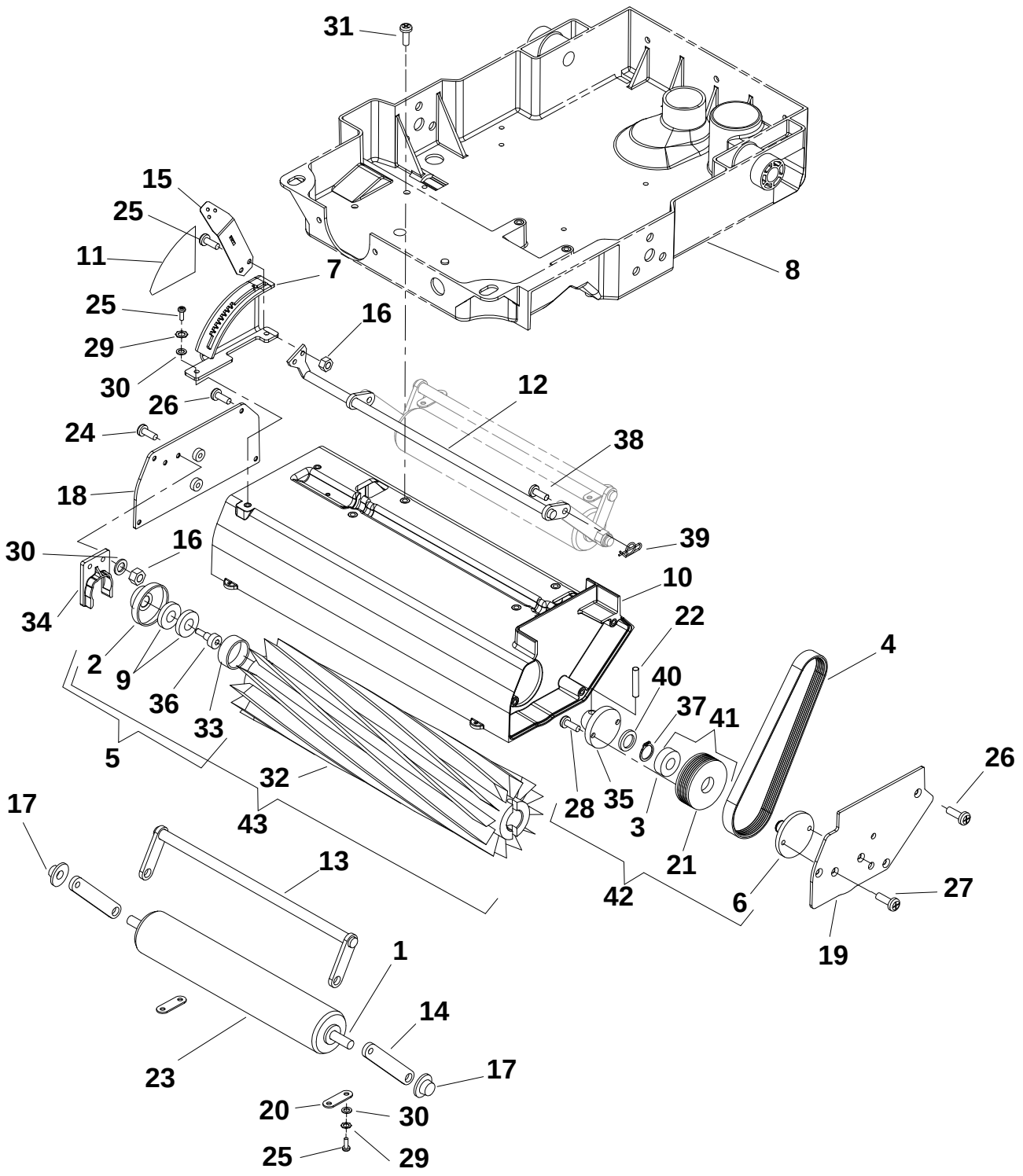


FRAME ASSEMBLY



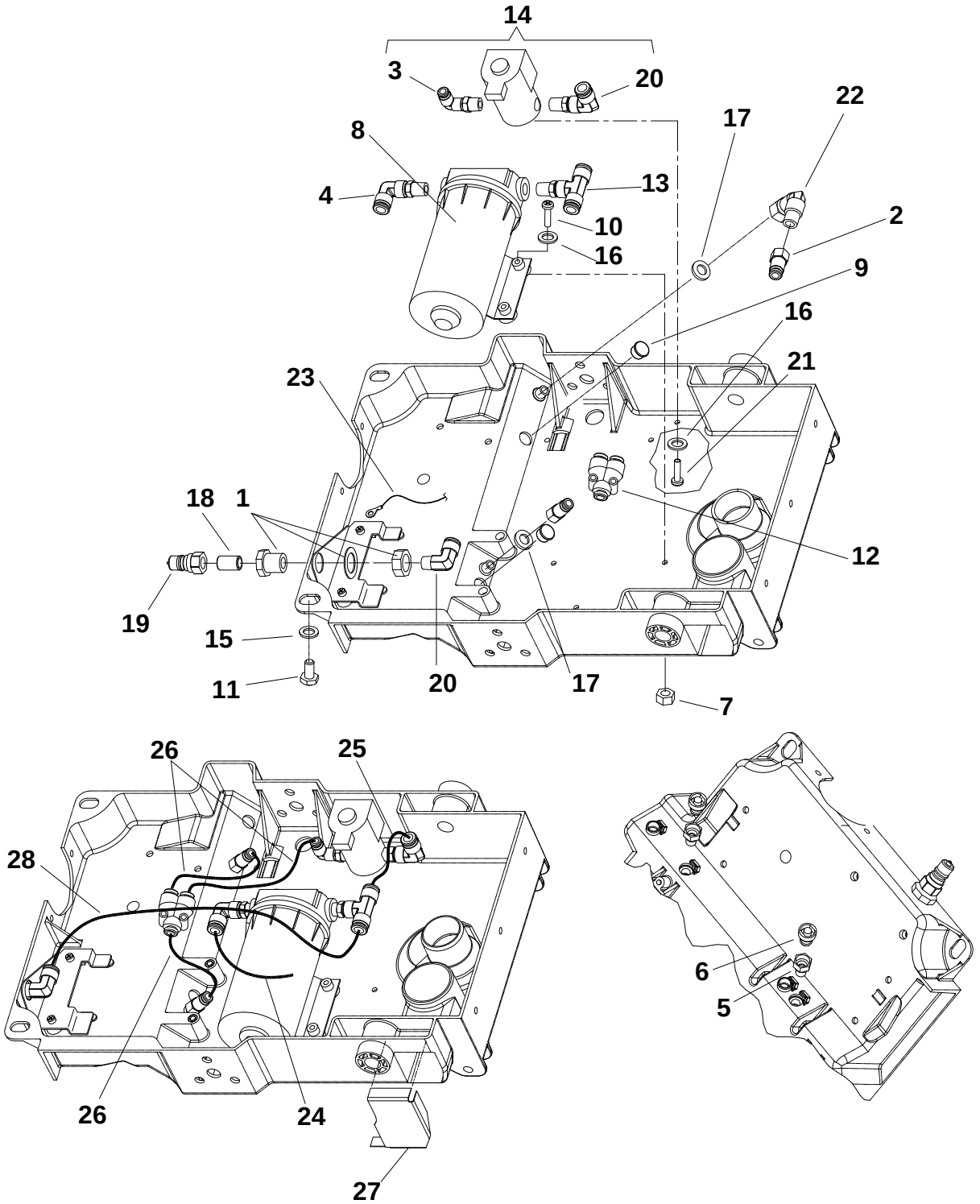
REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86272160	66052	1	PIN, ROLL 1/8” X 1.0”L		
2	86003620	34341	1	FRAME		
3	86004340	39528	1	HOSE ASM, 1.5 BLK VAC X 15.5		
4	86001660	41236	2	HUBCAP, 5/8" SHAFT		
5	86238820	41351	1	HARNESS, MAIN		
6	86239610	41354	1	HINGE, TANK TO FRAME		
7	86026150	53640	1	MOTOR ASM, BRUSH		
8	86005640	57030	2	NUT, 10-32 HEX NYLOCK		
9	86005810	57245	2	NUT, 1/4-20 HEX NYLOCK SS		
10	86198530	99809	2	FOAM TAPE, 1/8 THK X 3/4 1SDA		
11	86249430	62761	1	PLATE, BRUSH MTR CLAMP		
12	86006020	64099	1	PULLEY, 1.4 OD, 6GR, MICRO-V		
13	86250130	66282	6	PLUG, HOLE, .375" BLK		
14	86250140	66288	2	PLUG, 9/16 OD BLK NYLON		
15	86276410	70643	2	SCR, 1/4-20 X 3/8 PPHMS		
16	86273980	70066	2	SCR, 10-32 X 3/4 PPHMS		
17	86276610	70697	1	SCR, 1/4-20 X 1.25 PPHMS SS		
18	86010630	87013	2	WASHER, 1/4 ID X 5/8 OD SS		
19	86010660	87025	2	WASHER, 1/4 LOCK EXT STAR SS		
20	86010650	87018	2	WASHER, #10 X 9/16 OD		
21	86006550	70074	2	SET SCR, 10-32 X 1/4 KCP		
22	86256190	73197	1	STRAIN RELIEF, 90 DEGREE		
23	86005710	57105	3	NUT, 1/4-20 HEX W/STAR WASHER		
24	86226050	89279	2	WHEEL, 9.75" X 1.5"		
25	86066230	03107	1	AXLE, 5/8 X 17.06L		
26	86134490	99667	10”	HEAT SHRINK, 3/4 ID UL/CSA		
27	86253090	73943	1	SEAL, FRAME/TANK		
28	86002370	20035	1	CLAMP, 7/16 DIA NYLON UL		
29	86233140	20041	1	CLAMP, 2.0" WORM GEAR		
30	86274760	70271	2	SCR, 1/4-20 X 1/2 HHCS PLTD		
31	86006530	70057	2	SCR, 1/4-20 X 1 PPHMS SS		

BRUSH ASSEMBLY



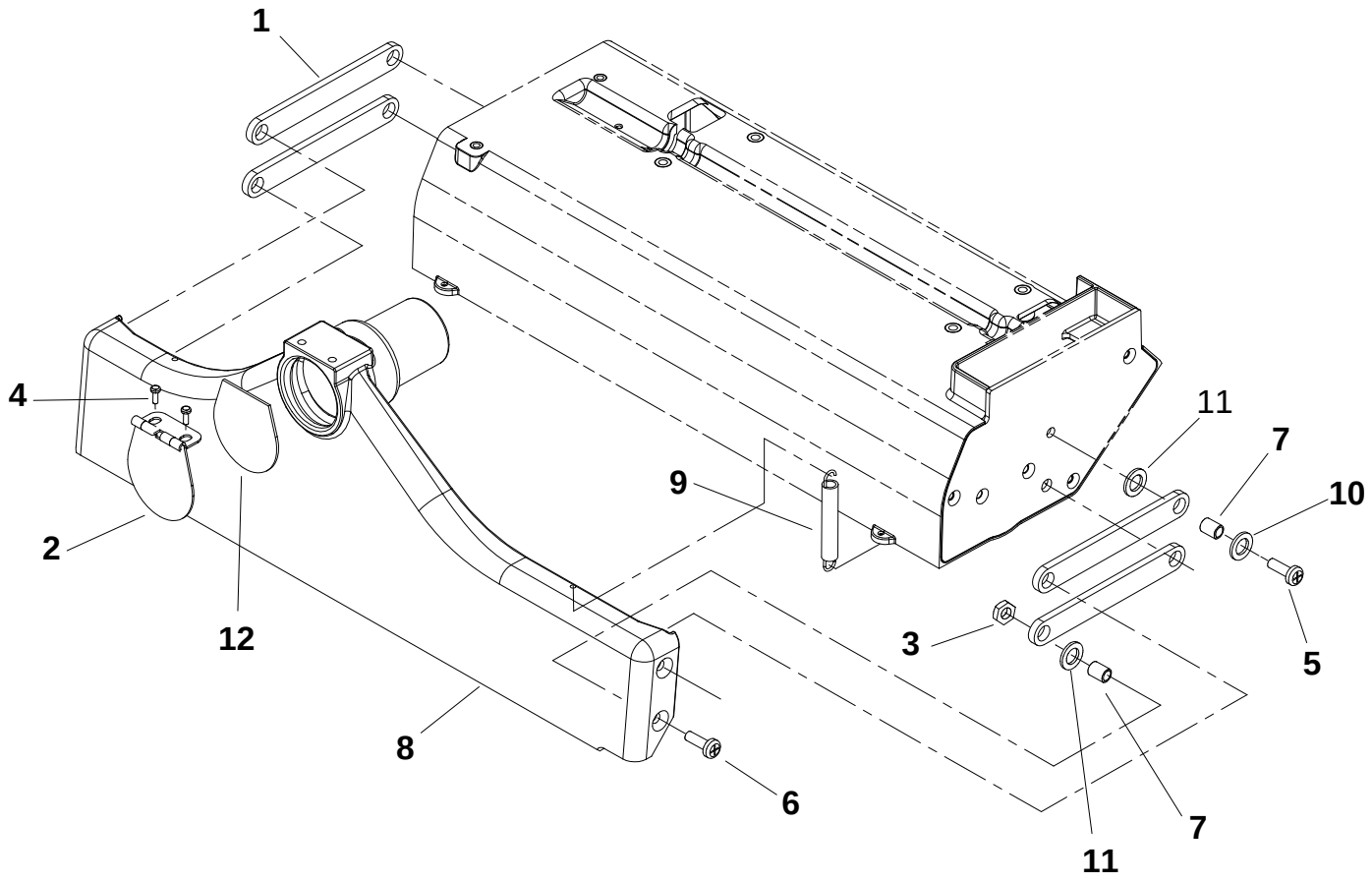
REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86000730	03110	1	AXLE, ROLLER		
2	86228890	09137	2	BEARING, R6 3/8 ID		
3	86000900	09019	2	BEARING, 1.125ODX.500IDX.375		
4	86001100	11045	1	BELT, 180J6 MICRO-V		
5	86004750	47416	REF	KIT, BRNG/ADPTR EXTRCTR		
6	86001300	140343	1	BRKT, BRUSH PULLEY		
7	86001310	140351	1	BRKT, BRUSH HEIGHT		
8	86003620	34341	REF	FRAME		
9	86028010	47383	1	BRUSH BEARING ASM		
10	86240970	41346	1	HOUSING, BRUSH 18"		
11	86004980	50998	1	LABEL, BRUSH HEIGHT		
12	86093080	51311	1	LINKAGE, ASM, BRUSH HEIGHT		
13	86005110	51312	1	LINKAGE ASM, ROLLER SUPPORT		
14	86005120	51314	2	LINK, ROLLER, FRONT		
15	86005130	51317	1	LEVER, HEIGHT ADJUSTMENT		
16	86005640	57030	4	NUT, 10-32 HEX NYLOCK		
17	86005850	57271	2	NUT, 3/8 DIA CAP, TYPE PUSH PLT		
18	86249410	62758	1	PLATE, BRUSH HOUSING RH		
19	86249420	62759	1	PLATE, BRUSH HOUSING LH		
20	86005930	62762	2	PLATE, AXLE RETAINER		
21	86250680	64098	1	PULLEY, 2.2 OD, 6GR, MICRO-V		
22	86006220	66192	1	PIN, ROLL 1/4 X 1.25L		
23	86006430	67411	1	ROLLER, 1.9 DIA X 10.5 LG		
24	86006510	70043	2	SCR, 10-32 X 5/8 PFHMS		
25	86006590	70088	6	SCR, 10-32 X 1/2 PPHMS SS DL		
26	86006650	70177	7	SCR, 10-32 X 1/2 FHMS SS		
27	86006700	70232	2	SCR, 10-32 X 3/8 FHMS SS		
28	86275530	70497	2	SCR, #10-24 X 1/2 SHCS		
29	86010640	87016	4	WASHER, #10 LOCK EXT STAR SS		
30	86010650	87018	6	WASHER, #10 X 9/16 OD		
31	86007030	70675	4	SCR, 1/4-20 X.5/8 THMS PLTD NP		
32	86251710	67467	1	RING, TOLERANCE 7/8 ID X 1/2 W		
33	86230630	12525	1	BRUSH,18L X 3.38 OD G2		
34	86003070	27805	1	CLIP, BEARING		
35	86003370	29157	1	DRIVER, BRUSH		
36	86278330	70641	1	SHOULDER BOLT, 3/8 X .375L SS		
37	86272770	67094	1	RING, 1/2 EXT. SNAP		
38	86272510	66310	2	PIN, CLEVIS 1/4 X 1/2 PLTD		
39	86008650	80604	2	COTTER, 1/4" RING		
40	86342240	-	1	SPACER, .81 X 1.06 X .125		
41	86006030	64102	1	PULLEY ASM, BRUSH		
42	86003390	29208	1	DRIVER ASM, BRUSH		
43	86001150	12515	1	BRUSH ASM, 18 IN		
44	86227150	05158	1	ADAPTER BRUSH BRG DIE CAST		

PUMP ASSEMBLY



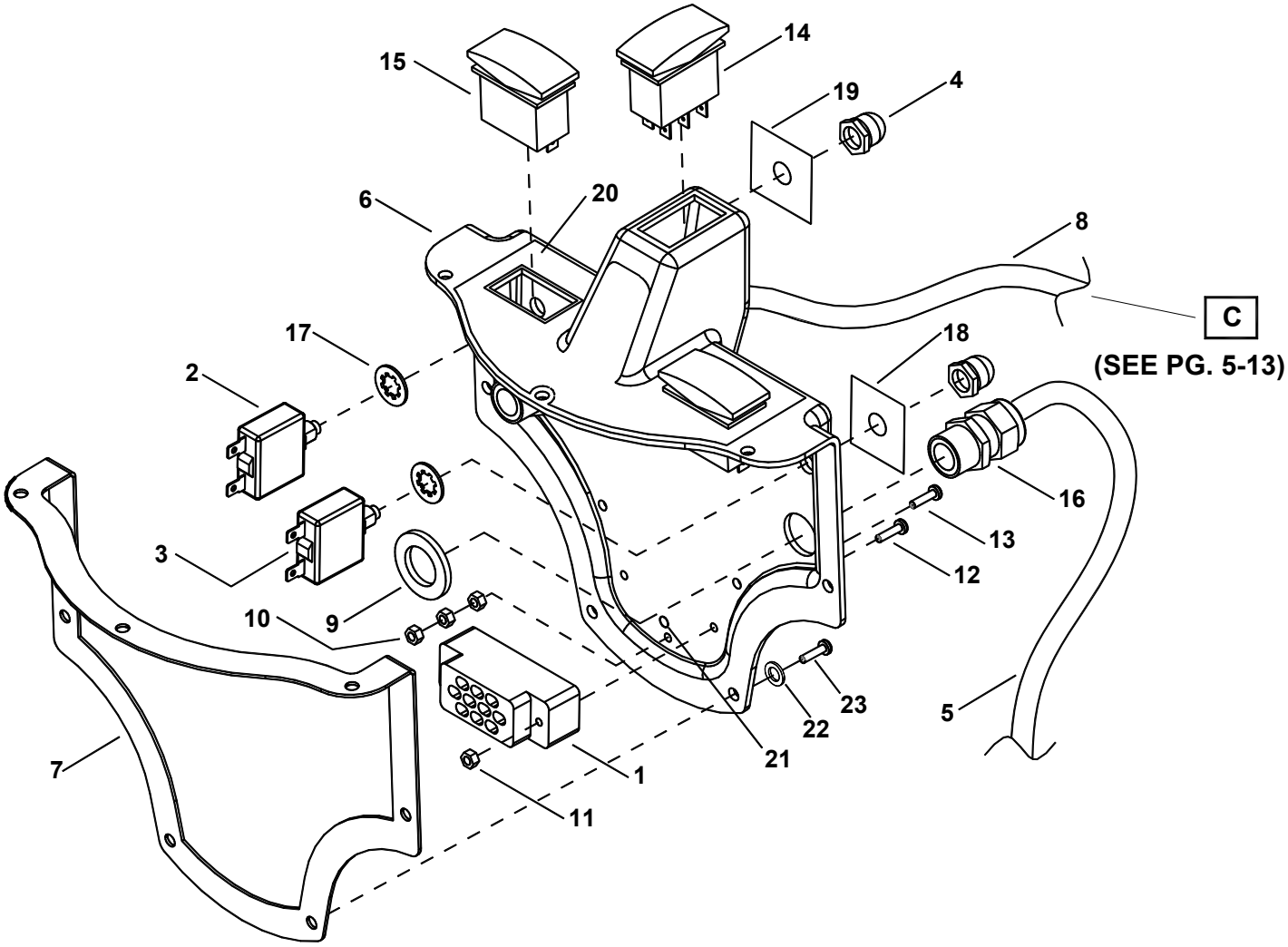
REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86002470	22072	1	COUPLING, 1/4 ANCHOR W/1" HEX		
2	86002480	22090	2	CONNECTOR, 1/8FPT X 1/4 TUBEQC		
3	86003470	31072	1	ELBOW, SWIVEL, 1/4MPTX1/4TUBE		
4	86003490	31074	1	ELBOW, SWIVEL, 3/8MPTX3/8TUBEQC		
5	86004570	44067	2	JET BODY, MINI PROMAX BODY		
6	86004580	44068	2	JET, MINI PROMAX 9504		
7	86005640	57030	2	NUT, 10-32 HEX NYLOCK		
8	86026390	65201	1	PUMP ASM		
9	86250140	66288	2	PLUG, 9/16 OD BLK NYLON		
10	86274410	70195	2	SCR, 10-32 X 1.25 PPHMS		
11	86273750	70011	2	SCR, 1/4-20 X 5/8 HHCS SS		
12	86003640	34355	1	FITTING, 1/4 TUBE,"Y", QC		
13	86008360	78419	1	TEE, 3/8 MPT X 3/8 TUBE, QC		
14	86026940	84160	1	VALVE ASM, SOLENOID		
15	86010810	87191	2	WASHER, 1/4"IDX1.0OD. FLAT SS		
16	86010650	87018	4	WASHER, #10 X 9/16 OD		
17	86010820	87192	2	WASHER, 7/16 X 3/4 X .19RUBBER		
18	86005590	56014	1	NIPPLE, 1/4 CLOSE		
19	86005580	56012	1	NIPPLE, 1/4 FPT QD		
20	86003500	31076	2	ELBOW, 1/4 MPT X 3/8 TUBE, QC		
21	86274290	70162	2	SCR, 10-32 X 3/8 PPHMS SS		
22	86197400	31022	1	ELBOW, 1/8 NPT STREET		
23	86267400	880278	1	WIRE, 22" GRN/18 76011 X 76011		
24	86281890	39529	1	HOSE, 3/8 URETHANE X 29"		
25	86004350	39530	1	HOSE, 3/8 NYLON X 6"		
26	86281900	39531	3	HOSE, 1/4 URETHANE X 6"		
27	86121350	73963	1	SCREEN, INTAKE		
28	86004400	39591	1	HOSE, 3/8 ID NYL11 YLW X 29”		

VACUUM SHOE ASSEMBLY



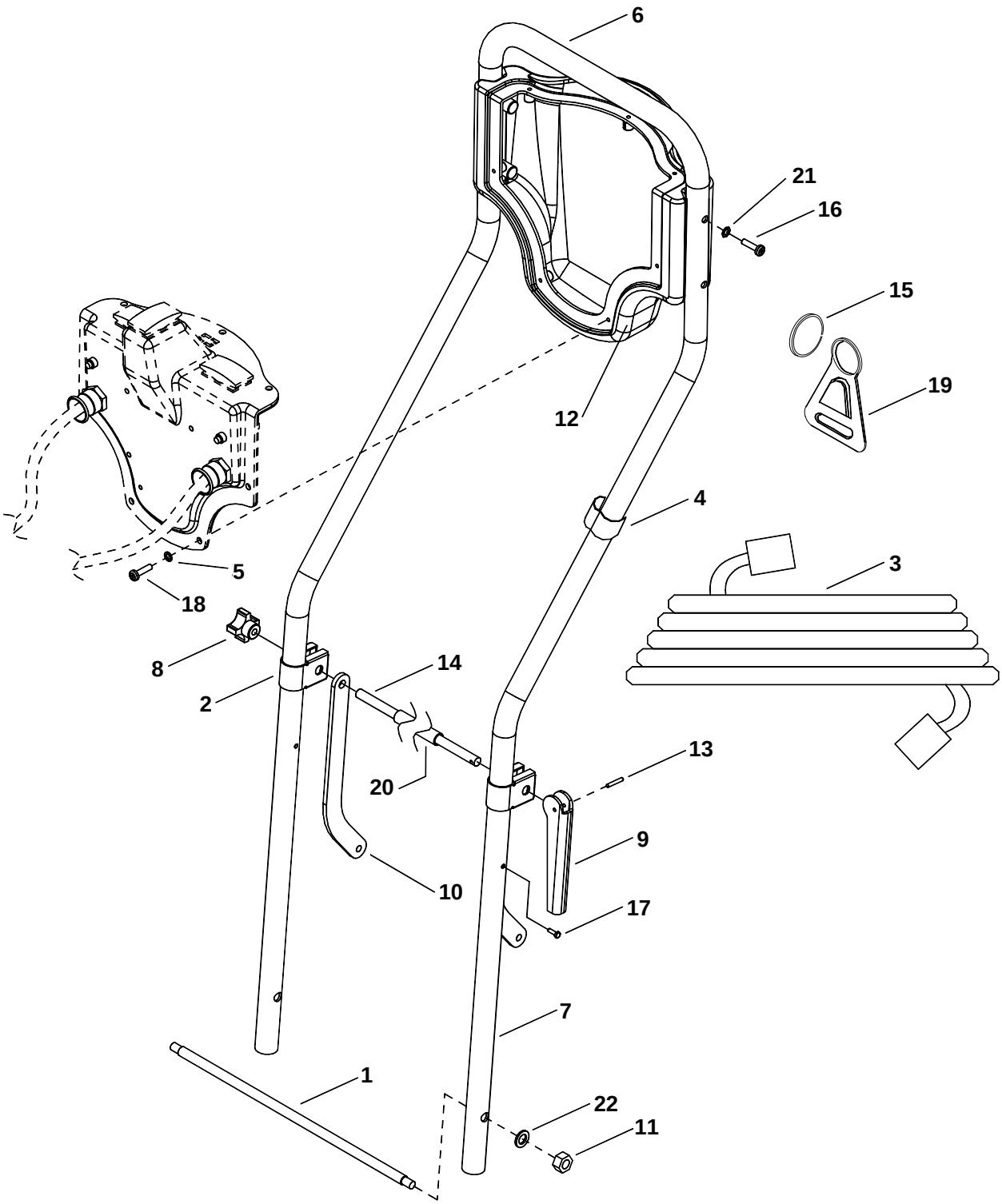
REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86227350	05016	4	ARM, VAC SHOE PARALLEL		
2	86234760	27674	1	COVER, ACCESSORY PORT		
3	86005810	57245	4	NUT, 1/4-20 HEX NYLOCK SS		
4	86006790	70351	2	SCR, 10-32 X 3/8 HHTR W/STAR		
5	86275120	70360	4	SCR, 1/4-20 X.75 PPHMS PHIL		
6	86006840	70390	4	SCR, 1/4-20 X 1 FHCS PLTD		
7	86008130	73958	8	SPACER, 3/8ODX.058WX.2814,CRS		
8	86258630	85040	1	VAC SHOE, 18"		
9	86008120	73955	2	SPRING, EXT .38D X2.75L X.055W		
10	86010630	87013	4	WASHER, 1/4 ID X 5/8 OD SS		
11	86010700	87074	8	WASHER, WAVE 3/8ID X3/4D X.125		
12	86003780	35171	1	GASKET, ACCESSORY PORT		

CONTROL PANEL ASSEMBLY



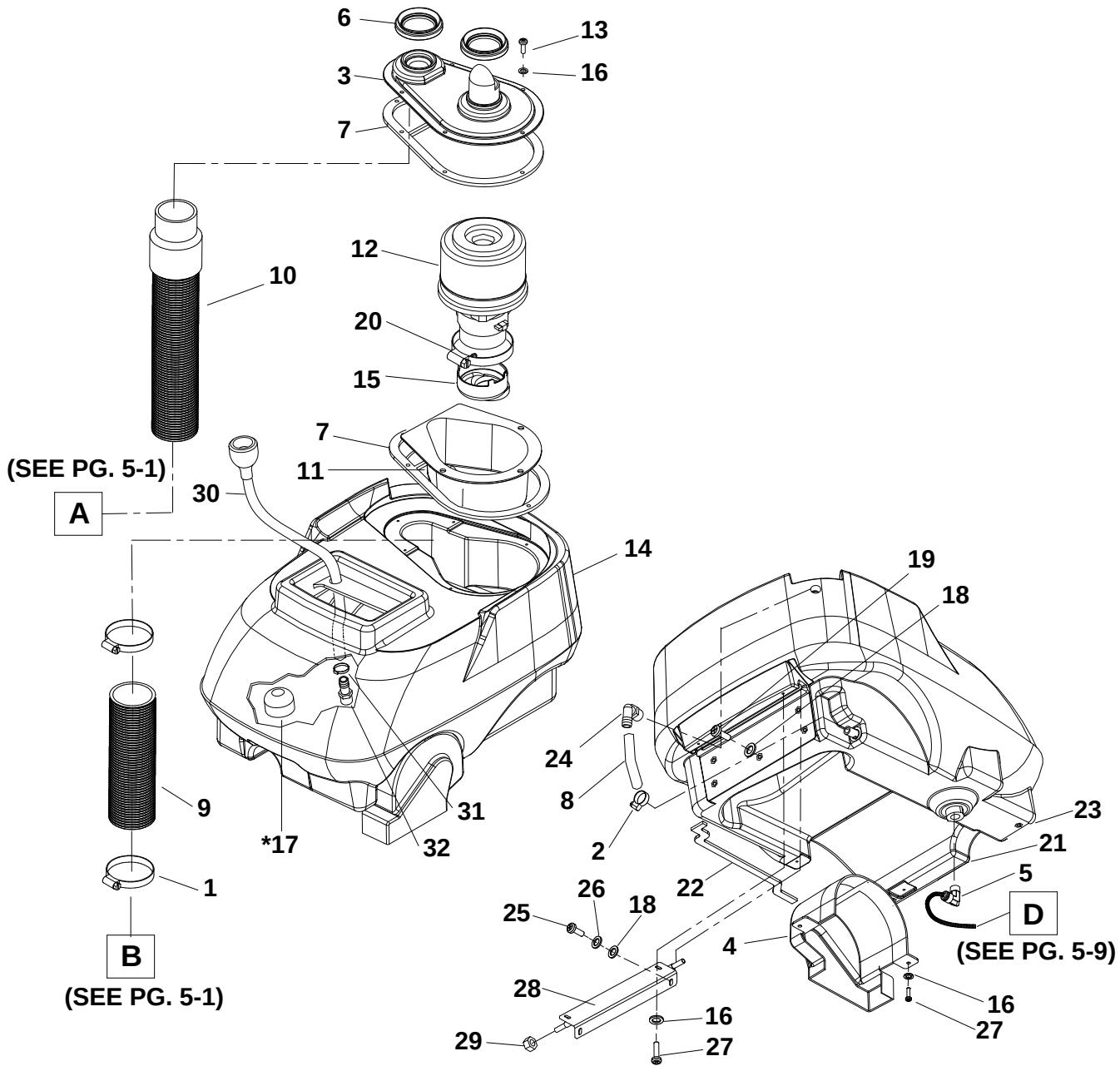
REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86001240	14020	1	TERMINAL BLOCK, 115V (3-4-3)		
2	86001980	14700	1	BREAKER, 15A 250VAC 50VDC		
3	86230210	14832	1	BREAKER, 6A VDE CIRCUIT		
4	86002010	14942	2	BOOT, 3/8 CIRCUIT BREAKER		
5	86234320	23679	1	CORD ASM, 14/3 X 22" YLW		
6	86395140	-	1	COVER, FB10 PANEL		
7	86237740	35248	1	GASKET, FB10 PANEL		
8	86238820	41351	1	HARNESS, MAIN		
9	86005670	57040	2	NUT, 1/2 NPT CONDUIT		
10	86005700	57104	3	NUT, 10-32 W/STAR WASHER PLTD		
11	86005760	57116	2	NUT, 6-32 W/STAR WASHER PLTD		
12	86006710	70235	2	SCR, 6-32 X 1.0 PH BLK NYLON		
13	6273980	70066	1	SCR, 10-32 X 3/4 PPHMS		
14	86007120	72126	1	SWITCH, DPDT 3-POSITION ROCKER		
15	86007140	72130	2	SWITCH, SPST 2-POSITION ROCKER		
16	86256180	73195	2	STRAIN RELIEF, 1/2 NPT (.48ID)		
17	86010750	87100	2	WASHER, 3/8 ID INT.LOCK THIN		
18	86242880	500226	1	LABEL, CIRCUIT BREAKER BRUSH		
19	86242870	500225	1	LABEL, CIRCUIT BREAKER VAC		
20	86242680	500154	1	LABEL, CONTROL PANEL		
21	86245040	50279	1	LABEL, GROUND SYMBOL		
22	86010800	87189	7	WASHER, 10 FLT STL BLK ZNPLT		
23	86276290	70626	7	SCR, #10 X 3/4 PPHST HI-LO BLK		

HANDLE ASSEMBLY



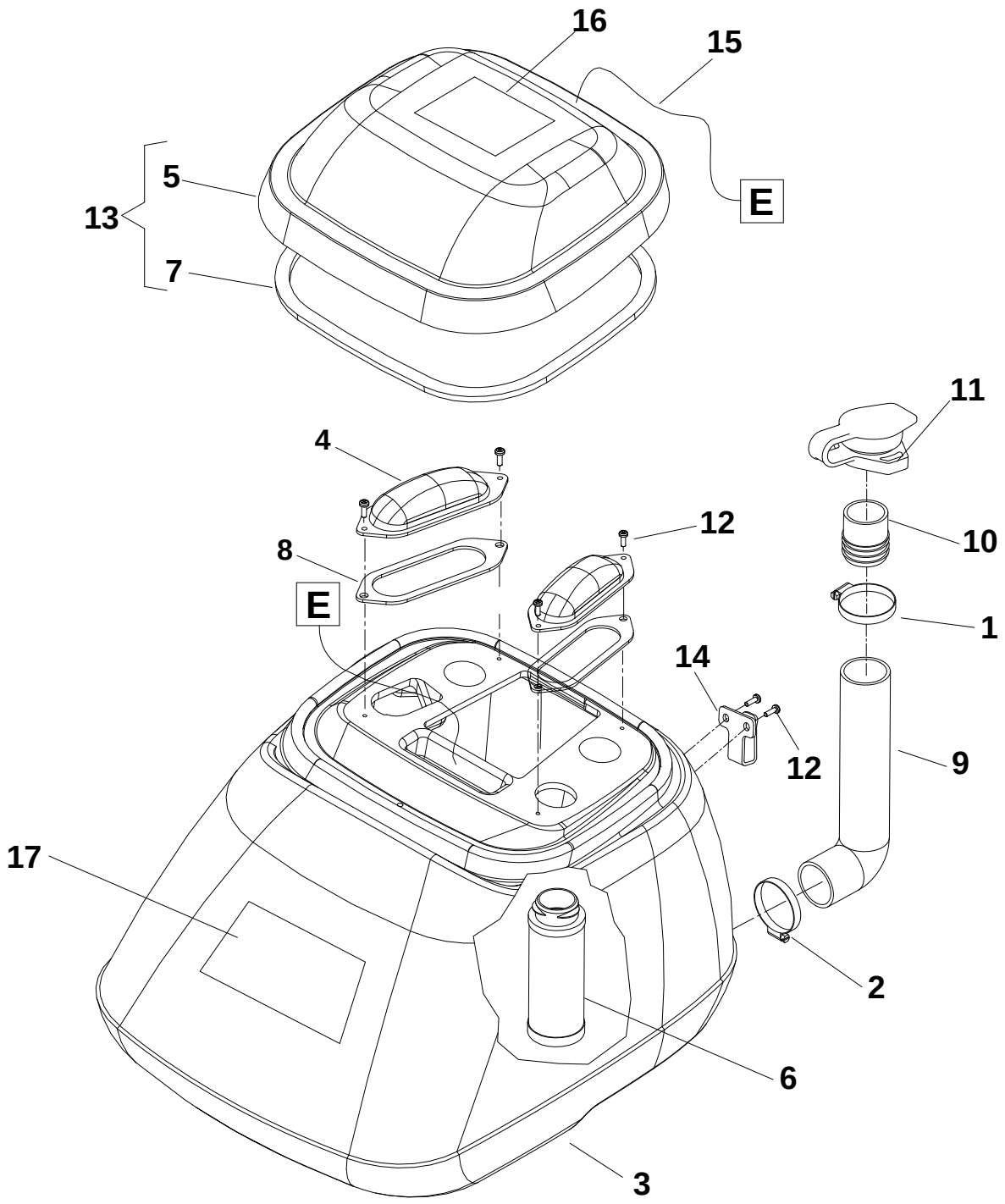
REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86227650	03109	1	AXLE, HANDLE		
2	86233240	20084	2	CLAMP, HANDLE LOCK		
3	86234110	23086	1	CORD SET,14/3 SJTW-A X 50' YLW		
4	86198480	27371	2	CLIP, POWER CORD		
5	86010800	87189	7	WASHER, .2IDX.500 BLK SS		
6	86238270	36046	1	GRIP, HANDLE X 13"		
7	86076570	38289	1	HANDLE, CONTROL		
8	86004790	48012	1	KNOB, 5/16-18 4 PRONG		
9	86246300	51039	1	LEVER, HANDLE CLAMP		
10	86246650	51313	2	LINK, HANDLE ADJ.		
11	86005750	57113	2	NUT, 5/16-18 HEX NYLOCK		
12	86308130	-	1	PANEL, BRC 46/38 C CONTROL		
13	86272190	66068	1	PIN, ROLL 1/8" X 5/8"L		
14	86264270	67073	1	ROD, HANDLE LOCK		
15	86272840	67147	1	RING, 2" DIA SPLIT		
16	86274620	70249	4	SCR, 1/4-20 X 1.25 HHCS PLTD		
17	86006790	70351	1	SCR, 10-32 X 3/8 HHTR W/STAR		
18	86006950	70532	7	SCR, 10-32 X 1/2 PPHMS BLK NP		
19	86256170	73169	1	STRAIN RELIEF, CORD HOOK		
20	86087410	73180	1	SPACER, .50 ODX.058WX9.84L CRS		
21	86010660	87025	4	WASHER, 1/4 LOCK EXT STAR SS		
22	86010670	87029	2	WASHER, 5/16 FLAT SS		

SOLUTION TANK ASSEMBLY



REF	PART NO.	PRV NO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86233140	20041	2	CLAMP, 2.0" WORM GEAR		
2	86233150	20042	1	CLAMP, 3/8 HOSE (D-SLOT)		
3	86003080	27809	1	COVER, VAC MOTOR		
4	86003090	27810	1	COVER, BELT		
5	86235500	31081	1	ELBOW, 3/8 MPT X 3/8 TUBE, PLASTIC		
6	86003790	35175	2	GASKET, TANK TO VAC COVER		
7	86003920	35231	2	GASKET, VAC COVER		
8	86271880	39526	1	HOSE, 1/2 CLEAR X 12		
9	86240100	39536	1	HOSE, 1.5 BLK VAC X 5.0		
10	86004340	39528	REF	HOSE ASM, 1.5 BLK VAC X 15.5		
11	86240980	41348	1	HOUSING, VAC MOTOR		
12	86026880	53789	1	VAC MOTOR ASM		
-	86135320	140687		BRUSH SET, 120V VAC		SERVICE ONLY
13	86275690	70525	6	SCR, #10 X 1.0 PPHST TYPE B		
14	86341880	-	1	TANK, BRC 46/38C SOLUTION		
15	86259070	85038	1	VENT, COOLING AIR LARGE		
16	86010650	87018	10	WASHER, #10 X 9/16 OD		
17	86007970	73864	1	STRAINER, 3/8 IN. NPT 60 MESH		
18	86010630	87013	5	WASHER, 1/4 ID X 5/8 OD SS		
19	86006580	70085	3	SCR, 1/4-20 X 1/2 PPHMS SS DL		
20	86233260	20092	1	CLAMP, 3.5" WORM GEAR		
21	86003950	35236	1	GASKET, TANK, L-F		
22	86003960	35237	1	GASKET, TANK, L-R		
23	86003970	35238	1	GASKET, TANK, RH		
24	86197940	40027	1	HOSEBARB, 3/8MPTX1/2 90D DL		
25	86275120	70360	2	SCR, 1/4-20 X.75 PPHMS PHIL		
26	86010660	87025	2	WASHER, 1/4 LOCK EXT STAR SS		
27	86006600	70114	4	SCR, #10 X 3/4 PPHST TYPE B		
28	86095840	89183	1	WELDMENT, HANDLE PIVOT		
29	86005810	57245	2	NUT, 1/4-20 HEX NYLOCK SS		
30	86260690	02130	1	HOSE ASSY- FILL HOSE		
31	86233090	20016	1	CLAMP, 1/4 ID HOSE		
32	86197920	40023	1	HOSEBARB, 1/2MPT X 3/8 DL		

RECOVERY TANK ASSEMBLY



REF	PART NO.	PRVNO.	QTY	DESCRIPTION	SERIAL NO. FROM	NOTES:
1	86002400	20064	1	CLAMP, 2.0" WORM GEAR X .312		
2	86233140	20041	1	CLAMP, 2.0" WORM GEAR		
3	86306810	-	1	TANK, BRC 46/38 C RECOVERY		
4	86003110	27816	2	COVER, REC. TANK		
5	86235280	28060	1	DOME		
6	86003630	34351	1	FLOAT SHUT-OFF		
7	86003910	35230	1	GASKET, DOME		
8	86003930	35232	2	GASKET, PORT COVER		
9	86004200	39353	1	HOSE, 1.5 X 12.0 DRAIN		
10	86004510	41391	1	HOSE, INSERT		
11	86401400	66227	1	HOSE, CAP, YLW		
12	86006600	70114	6	SCR, #10 X 3/4 PPHST TYPE B		
13	86003330	28061	1	DOME ASM		
14	86001370	140408	1	BRKT, HOSE HOOK		
15	86002870	27417	1	CORD, 99807 1/8 X 12"		
16	86231410	500009	1	LABEL, WARNING		
17	86342660	-	1	LABEL, BRC 46/38 C		

SUGGESTED SPARE PARTS

PART NO.	PRV NO.	DESCRIPTION	SERIAL # FROM	NOTES:
86001140	12514	BRUSH, 15L X 3.38OD		
86001100	11045	BELT, 180J6 MICRO-V		
86000900	09019	BEARING, 1.125ODX.500IDX.375		
86004570	44067	JET BODY, MINI PROMAX BODY		
86241680	44073	JET, MINI PROMAX 9503		
86026390	65201	PUMP ASM, 115V 100PSI W/CONN		
86026940	84160	VALVE ASM, SOLENOID		
86003780	35171	GASKET, ACCESSORY PORT		
86001980	14700	BREAKER, 15A 250VAC 50VDC		
86230210	14832	BREAKER, 6A VDE CIRCUIT		
86007140	72130	SWITCH, SPST 2-POSITION ROCKER		
86007200	72162	SWITCH, DPDT3-POSITION ROCKER		
86026880	53789	VAC MOTOR ASM		
86007970	73864	STRAINER, 3/8 IN. NPT 60 MESH		
86003330	28061	DOME ASM		
86003630	34351	FLOAT SHUT-OFF		
86006240	66227	PLUG, DRAIN HOSE		