

# Saber Cutter - 24V - Deluxe



## Walk Behind Scrubber

Operating Instructions (ENG)

MODELS:

**SCX264**  
1.005-238.0

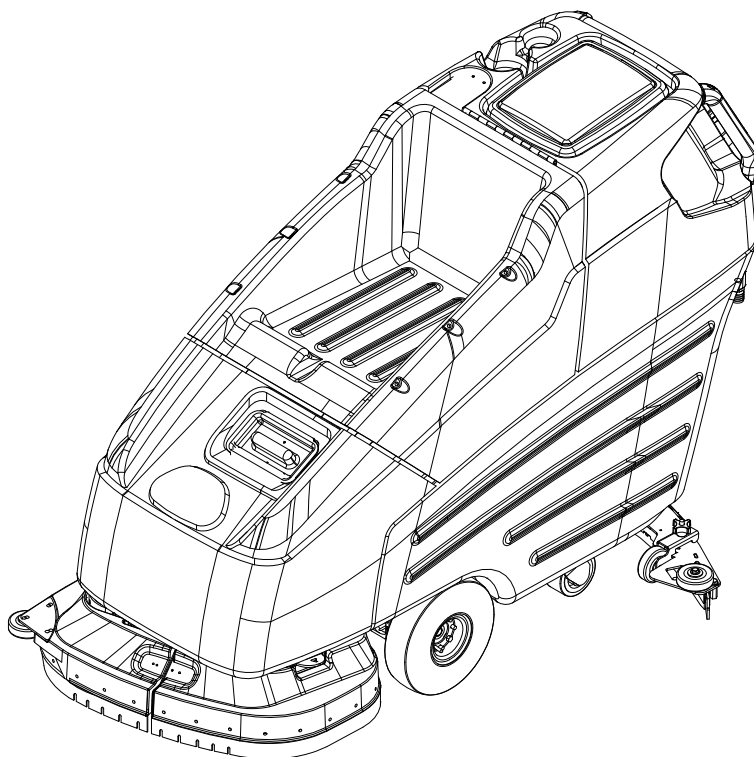
**SCXC264**  
1.005-243.0

**BSCSCX264**  
1.005-286.0

**SCX324**  
1.005-239.0

**SCXC324**  
1.005-244.0

**SCNX324**  
1.005-282.0



From Serial Number (Ref No1\*)  
\*See Serial Number Page in  
Spare Parts List or  
call manufacturer.



86400260-A 06/29/15

## **Machine Data Label**

Model:	_____
Date of Purchase:	_____
Serial Number:	_____
Dealer:	_____
Address:	_____
Phone Number:	_____
Sales Representative:	_____

### **Overview**

The Saber Cutter is a battery powered, self-propelled, hard floor scrubber intended for commercial use. The appliance applies a cleaning solution onto a hard floor, scrubs the floor with brushes or pads, and then vacuums the soiled water back into the recovery tank.

## **Warranty Registration**

Thank you for purchasing a Kärcher North America 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 :

<http://warranty.karcherna.com/>

For customer assistance:

1-800-444-7654



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## How To Use This Manual

This manual contains the following sections:

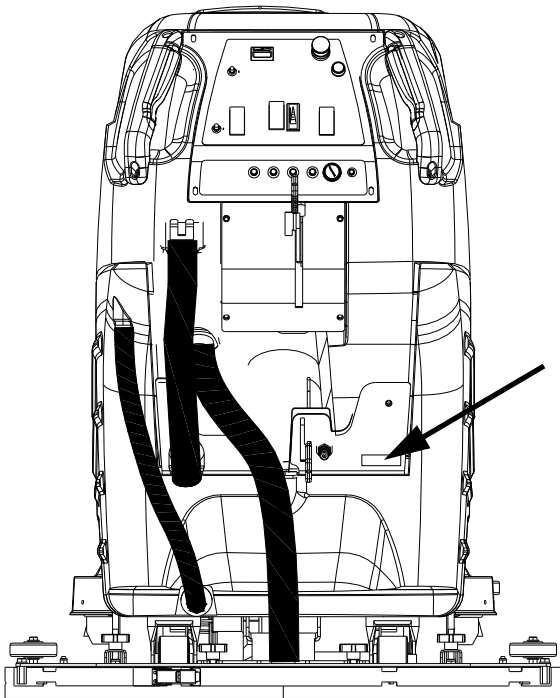
- How to Use This Manual
- Safety
- Operations
- Maintenance
- Suggested Spare Parts

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.

Model:	_____
Date of Purchase:	_____
Serial Number:	_____
Dealer:	_____
Address:	_____
Phone Number:	_____
Sales Representative:	_____

The model and serial number of your machine is located on the back of the machine.



The SAFETY section contains important information regarding hazardous or unsafe practices of the machine. Levels of hazards are identified that could result in product damage, 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:

- Batteries
- Scrub Brushes
- Adjusting Squeegee
- Scrub Deck Skirt
- Squeegee Blade/Brush Head Options
- Service Schedule

*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 manual part number is located on the lower right corner of the front cover.*

# Important Safety Instructions

When using this machine, basic precaution must always be followed, including the following:

**READ ALL INSTRUCTIONS BEFORE USING THIS MACHINE.**

## **⚠️ WARNING:**

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

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

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

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** operate the machine with any openings blocked. Keep openings free of debris that may reduce airflow.

This machine **is not** suitable for picking up hazardous dust.

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

**This machine is suitable for commercial use, for example in hotels, schools, hospitals, factories, shops and offices for more than normal housekeeping purposes.**

Maintenance and repairs **must be done** by qualified personnel.

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

**Disconnect** battery before cleaning or servicing.

Before the machine is discarded, the batteries **must be removed** and properly disposed of.

Make sure all warning and caution labels **are legible and properly attached** to the machine.

**During operation**, attention shall be paid to other persons, especially children.

**Before use** all covers and doors shall be put in the positions specified in the instructions.

**When leaving unattended**, secure against unintentional movement.

**The machine shall only** be operated by instructed and authorized persons.

**When leaving unattended**, switch off or lock the main power switch to prevent unauthorized use.

**Only chemicals recommended** by the manufacturer shall be used.

**This appliance has been designed** for use with the brushes specified by the manufacturer. The fitting of other brushes may affect its safety.

**Do not** use on surfaces having a gradient exceeding 2% unless the optional parking brake is installed on the machine.

## READ AND SAVE THESE INSTRUCTIONS

# MESURES DE SÉCURITÉ IMPORTANTES

Lors de l'utilisation d'un appareil à batteries, il est nécessaire de respecter systématiquement des mesures de sécurité de base, comme suit :

**PRENEZ NOTE DE TOUTES CES MESURES AVANT D'UTILISER CETTE MACHINE.**

## **⚠️ AVERTISSEMENT:**

**Pour réduire les risques d'incendie, de chocs électriques, ou de blessures :**

**N'utiliser cette machine** qu'en intérieur. Ne jamais l'utiliser à l'extérieur ou dans la pluie.

**N'utiliser cette machine** que comme décrit dans le présent manuel. N'utiliser que les composants et les accessoires conseillés par le fabricant.

Lorsque la machine ne **fonctionnant pas correctement**, a fait l'objet d'une chute ou d'une détérioration, a été laissée à l'extérieur, est tombée dans l'eau, la retourner au centre de service agréé.

**Ne pas opérer** la machine lorsque les conduits de ventilation sont bloqués. Débarrasser les débris des conduits, car ils peuvent réduire l'écoulement d'air.

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

Ne pas l'utiliser près de liquides, de poussières ou de vapeurs inflammables.

Cette machine est destinée à un usage commercial. Elle est recommandée davantage pour les domaines hôtelier, scolaire, hospitalier, industriel ou pour les bureaux, les chaînes de magasin, que pour un usage domestique normal.

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.**

**Déconnecter** les batteries avant de nettoyer la machine ou de la soumettre à un entretien.

Avant de se débarrasser de la machine, **il est nécessaire de retirer** les batteries et de les jeter correctement.

S'assurer que toutes les plaques d'avertissement ou de précaution **sont lisibles et fixées correctement** sur la machine.

**Durant la manoeuvre de la machine**, prendre garde aux personnes environnantes et notamment aux enfants.

**Avant l'utilisation de la machine**, veiller à positionner tous les couvercles et portes comme indiqué dans les instructions.

**Lorsque la machine est laissée sans surveillance**, s'assurer qu'elle ne se déplace pas de manière accidentelle.

**Cette machine ne doit être** manoeuvrée que par un personnel expérimenté et qualifié.

**Lorsque la machine est laissée sans surveillance**, la mettre hors tension ou verrouiller l'interrupteur principal afin d'empêcher un emploi non autorisé.

**Seuls les produits chimiques recommandés** par le fabricant doivent être utilisés.

**Cette machine a été conçue** pour être utilisée avec des brosses spécifiées par le fabricant.

L'utilisation d'autres brosses peut affecter sa sûreté.

N'employez pas sur des surfaces ayant un gradient de plus de 2%.

## 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.

#### **⚠ WARNING:**

**Batteries emit hydrogen gas. Explosion or fire can result. Keep sparks and open flame away. Keep top cover in raised position when charging. Keep sparks and flames away from the batteries. Do not smoke around batteries.**

#### **⚠ WARNING:**

**Disconnect batteries before working on machine. Only qualified personnel should work inside machine. Always wear eye protection and protective clothing when working on or near batteries. Avoid skin contact with the acid contained in the batteries.**

#### **⚠ WARNING:**

**Never allow metal to lie across battery tops.**

## **Safety**

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 homologuées.

#### **⚠ AVERTISSEMENT:**

Les batteries émettent le gaz d'hydrogène. L'explosion ou le feu peut résulter. Étincelles de subsistance et flamme nue loin. Compartiment de batterie de subsistance ouvert en chargeant. Étincelles et flammes de subsistance loin des batteries. Ne fumez pas autour des batteries.

#### **⚠ AVERTISSEMENT:**

Déconnecter les batteries avant de travailler sur la machine. La machine ne doit être confiée qu'à un personnel qualifié. Porter systématiquement des lunettes et des vêtements de protection lors d'une intervention sur les batteries ou aux alentours. Éviter tout contact de la peau avec l'acide contenu dans les batteries.

#### **⚠ AVERTISSEMENT:**

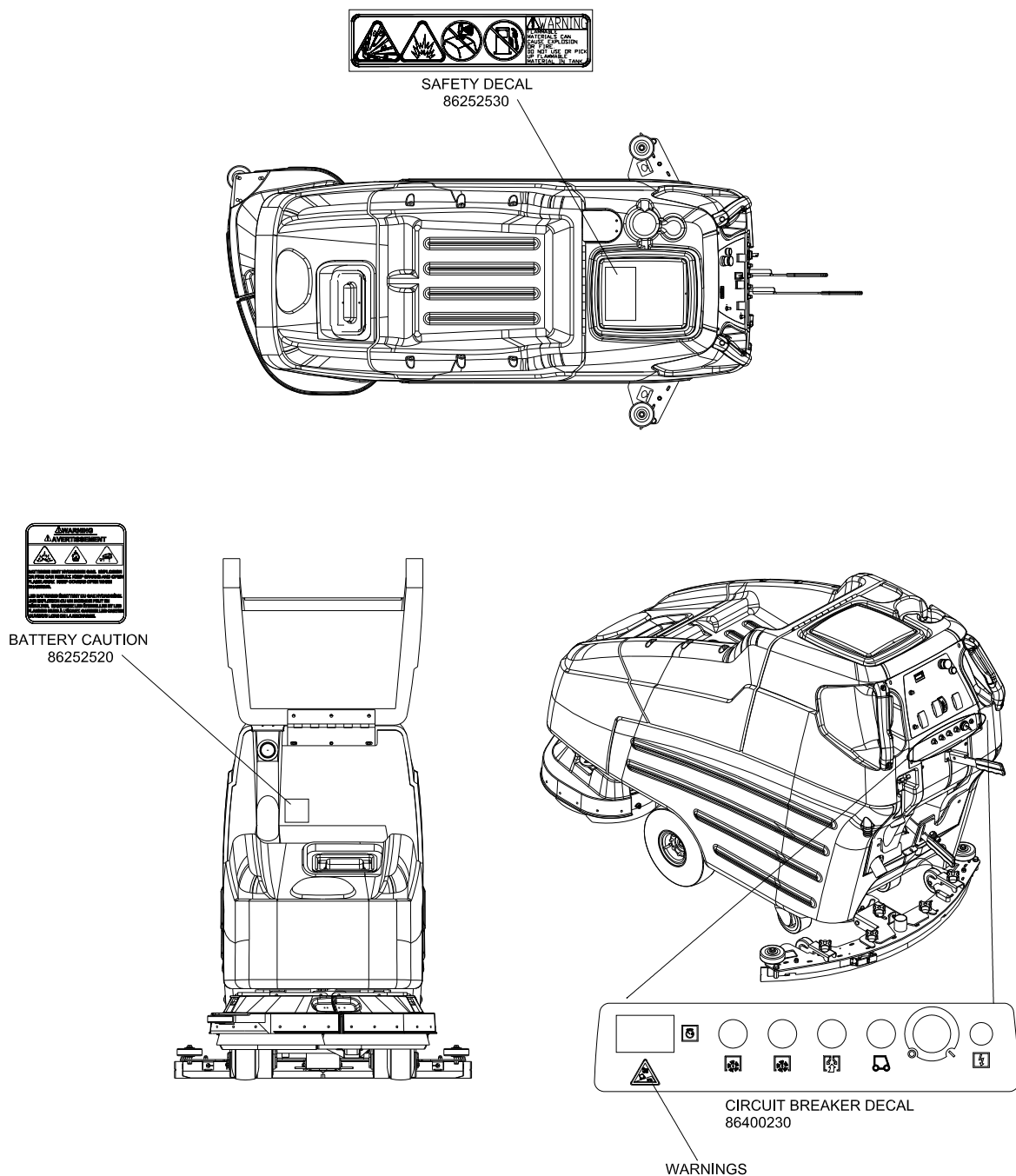
Ne jamais placer d'objets métalliques sur le dessus des batteries.

## Safety Labels

*NOTE: These drawings indicate the location of safety labels on the machine. If at any time the labels become illegible, promptly replace them.*

### Emplacement De L'étiquette De Sécurité

*REMARQUE : Ces dessins indiquent l'emplacement des étiquettes de sécurité sur la machine. Si, à tout moment, les étiquettes deviennent illisibles, contactez votre représentant autorisé pour un remplacement rapide.*



## Operations

### Technical Specifications

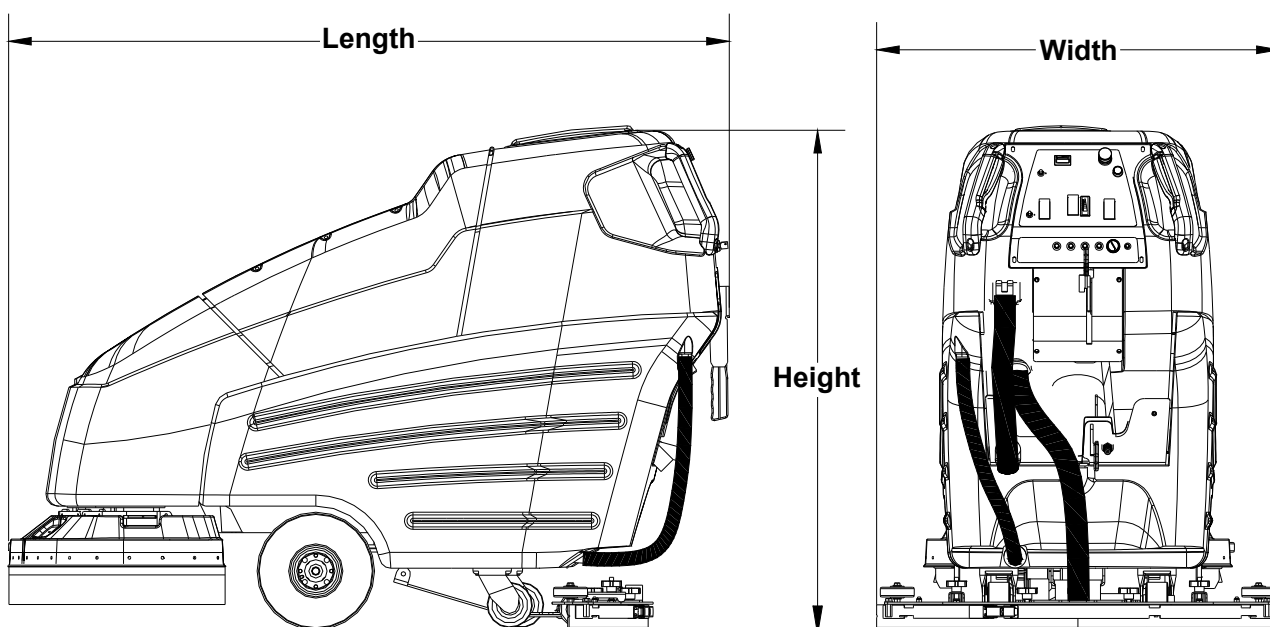
ITEM	DIMENSION/CAPACITY
Nominal power	1450 W
Rated Voltage	24VDC
Rated Amperage	60 Amps
Batteries	4 X 6 Volt 250-305-335AH @ 20 hr rate
Scrub Brush Motors	2 X .75 hp (0.56 kW)
Vacuum Motor	.75 hp (0.56 Kw)
Propelling Motor	.3 hp (0.22 Kw)
Mass (GVW)	915 lbs. (415 kg) with 335 AH
Weight empty without batteries	346 lbs. (157 kg)
Solution Control	Gravity feed, fully variable with automatic shut-off in neutral
Solution tank capacity	23 gal. (87 l)
Recovery tank capacity	25 gal. (95 l)
Scrub brush diameter for 26 in. (66 cm) scrub head	13 in (33.0 cm)
Scrub brush diameter for 32 in. (81 cm) scrub head	16 in (41 cm)
Scrub brush pressure	Actuated 0 lbs to 150 lbs (0 kg to 68 kg)
Scrub brush speed	200 rpm
Tires	2 x 10 in (25.4 cm) non-marking foam-filled
Casters	2 X 4 in (10.2 cm) polyurethane solid non-marking
Foundation Pressure (at recommended tire psi)	21 lbs./in <sup>2</sup> (140 kPa)
Maximum Speed	3.2 Miles/hour (5.2 km/hour)
Frame Construction	Steel plate with epoxy powdercoat finish.
Brakes (optional)	Tire lock parking brake.
Minimum aisle u-turn width with 26 in. (66 cm) scrub head	64 in. (163 cm)
Minimum aisle u-turn width with 32 in. (81 cm) scrub head	69 in. (175 cm)
Maximum rated climb and descent angle with empty tanks and without optional parking brake	2%
Maximum rated climb and descent angle with full tanks and without optional parking brake	2%

### Special Notes:

The sound pressure level at the operator's ear was measured to be 72 dBA. This was a nearfield, broad-band measurement taken in a typical industrial environment on a tile floor. This appliance contains no possible source of impact noise. The instantaneous sound pressure level is below 63 Pa.

The weighted root mean square acceleration at the operator's arms was measured to be below 2.5m/s<sup>2</sup>. This was a tri-axial, third-octave-band measurement made during normal operation on a composite tile floor. The measurement and related calculations were made in accordance with ANSI S3.34-1986.

ITEM	MEASURE
Height	45 in. (114 cm)
Length with 26 in. (66 cm) scrub head	64 in. (163 cm)
Length with 32 in. (81 cm) scrub head	66 in. (167 cm)
Width without squeegee and scrub head	24 in. (61 cm)
Width of squeegee for 26 in. (66 cm) scrub head	35 in. (89 cm)
Width of squeegee for 32 in. (81 cm) scrub head	39 in. (99 cm)
Width of scrub path for 26 in. (66 cm) scrub head	26 in. (66 cm)
Width of scrub path for 32 in. (81 cm) scrub head	32 in. (81 cm)



**⚠ CAUTION:**

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

**⚠ ATTENTION:**

Cet appareil n'est pas prévu à l'usage des personnes (enfants y compris) avec des possibilités physiques, sensorielles ou mentales réduites, ou le manque d'expérience et de connaissance, à moins qu'ils aient été donnés la surveillance ou l'instruction au sujet de l'utilisation de l'appareil par une personne chargée de leur sûreté. Des enfants devraient être dirigés pour s'assurer qu'ils ne jouent pas avec l'appareil.

### How The Machine Works

The Saber Cutter is a battery powered, self-propelled, hard floor scrubber intended for commercial use. The appliance applies a cleaning solution onto a hard floor, scrubs the floor with brushes, and then vacuums the soiled water back into the recovery tank.

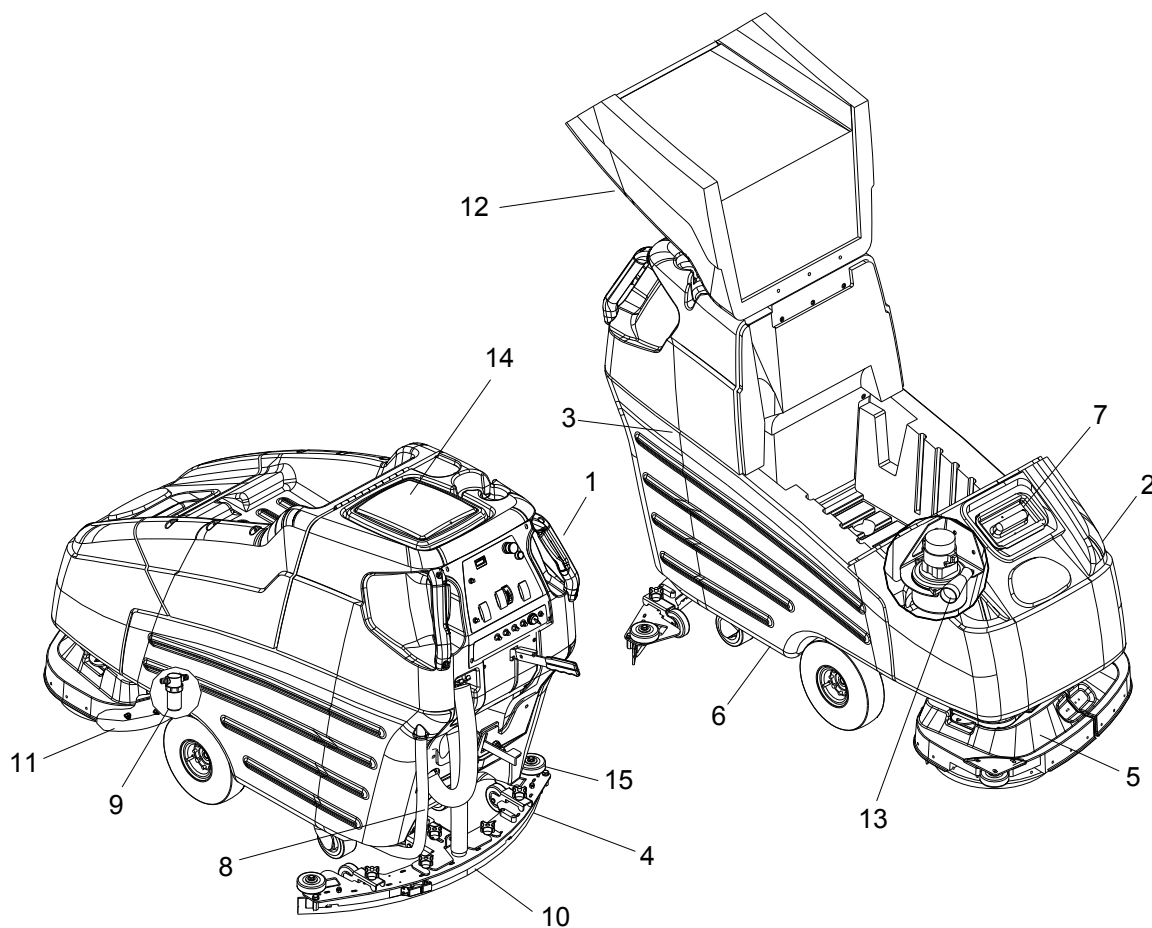
The machine's primary systems are the solution system, scrub system, recovery system, and directional control system.

The function of the solution system is to store cleaning solution and deliver it to the scrub system. The solution system consists of the solution tank, strainer, valve and controls. The solution tank stores cleaning solution (water and detergent) until it is delivered to the scrub system. The strainer protects the valve from debris. The valve is a solenoid type valve, which controls the delivery of cleaning solution to the scrub system. The valve automatically prevents solution flow unless the scrub brushes are turned on and the machine is being propelled. The solution control knob controls the amount of cleaning solution delivered to the scrub system by controlling the amount of time the valve is open.

The function of the scrub system is to scrub the floor. The scrub system consists of two rotary type disk scrub brushes, motors, scrub deck skirt, lift mechanism and controls. The brushes scrub the floor and the motors drive the brushes. The brush drive hubs allow the scrub brushes to follow irregularities and changes in the floor without losing contact with floor. The scrub deck skirt controls the cleaning solution on the floor so that the squeegee can pick it up. The brush lift mechanisms are controls used to raise and lower the deck.

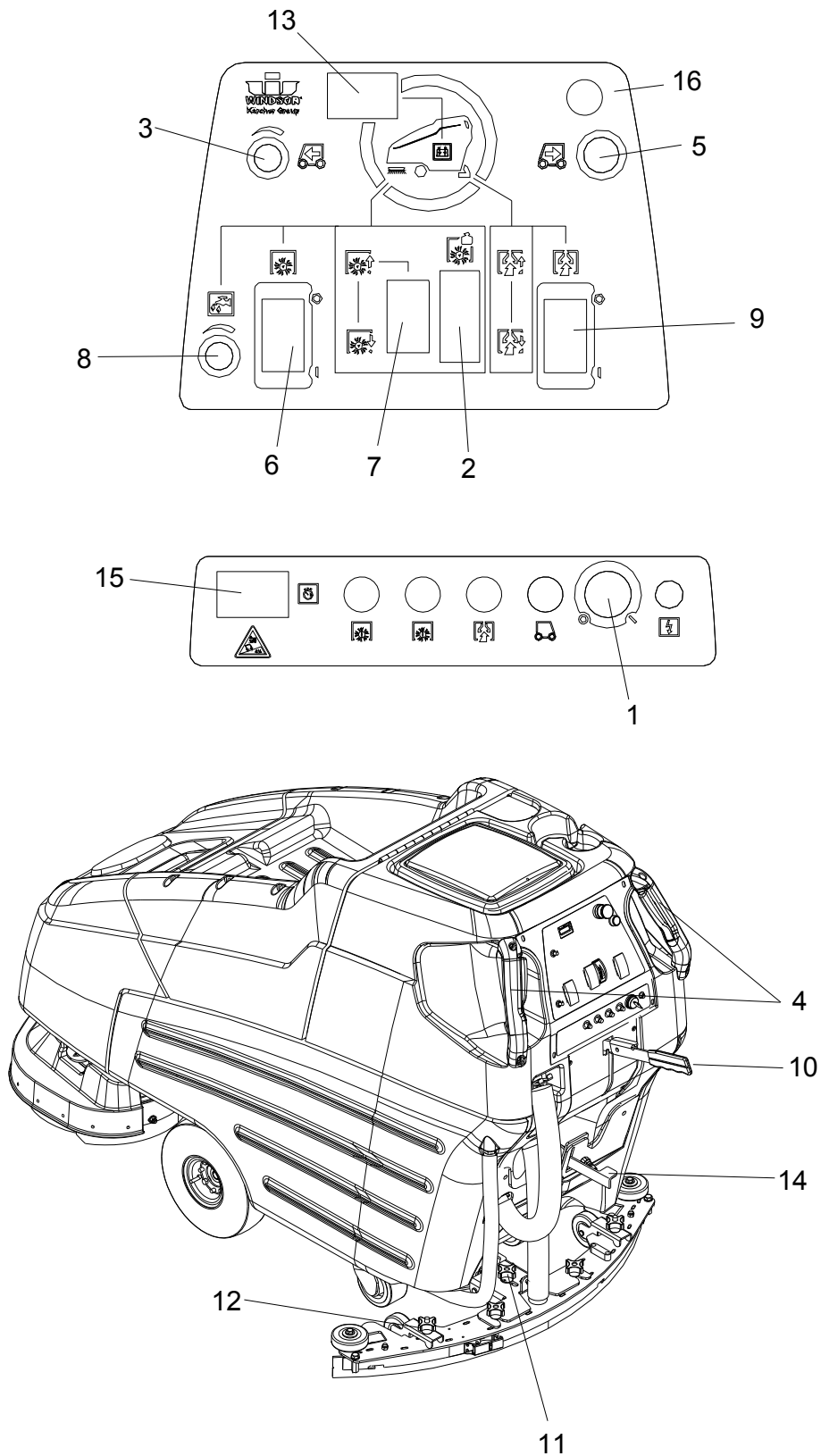
The function of the recovery system is to vacuum the soiled water back into the recovery tank. The recovery system consists of the squeegee, vacuum motor, float ball filter, recovery tank and controls. The squeegee wipes the dirty solution off the floor as the machine moves forward. The vacuum motor provides suction to draw the dirty solution off the floor and into the recovery tank. The recovery tank stores the dirty solution. The float ball filter protects the vacuum fan from debris and shuts off air going to the recovery tank when tank is full. When flow of air is shut off the vacuum motor will continue to run. At this time the recovery tank must be drained.

The function of the directional control system is to control the direction and speed of the machine. The directional control system consists of the propel control buttons, reverse button, speed control knob/potentiometer, controller and transaxle. The propel controls actuate switches which cause the machine to move forward. For reverse motion depress the reverse button while depressing one of the propel controls. The speed control knob actuates a potentiometer, which signals speed. The controller interprets the forward/reverse signals from the switches and the speed signal from the potentiometer to command the transaxle to propel the machine in the direction, and at the speed, desired.

**Components**

1. Control Panel
2. Front Cover
3. Recovery Tank
4. Recovery Tank Drain Hose
5. Scrub Head Shrouds
6. Solution Tank
7. Solution Tank Cover
8. Solution Tank Drain Hose
9. Solution Strainer
10. Squeegee
11. Aqua-Mizer™
12. Top Cover
13. Vacuum Motor
14. Recovery Tank Dome
15. Accessory Pump Port (Optional)

## Controls



1. Key Switch
2. Brush Pressure Indicator
3. Speed Control Knob
4. Propel Control Lever
5. Reverse Button
6. Brush Switch
7. Actuator Switch
8. Solution Control Knob
9. Vacuum Switch
10. Squeegee Lift Lever
11. Squeegee Pitch Adjustment Knob
12. Squeegee Deflection Adjustment Knobs
13. Battery Charge Level Indicator
14. Parking Brake (Optional)
15. Hour Meter (Optional)
16. Emergency Shut Off Switch (Optional)

## 1. Key Switch

Controls the power for machine functions.

To turn machine on, rotate key clockwise.

To turn machine off, rotate key counterclockwise.

***FOR SAFETY: Always remove the key when machine is unattended or during service to prevent unauthorized movement.***

## 2. Brush Pressure Indicator

The brush pressure indicator corresponds to the amp draw of the scrub brush motors to tell how hard the motors are working. The green zone indicates medium or proper operating brush pressure. The red zone indicates heavy or excessive brush pressure. Operating in the red zone may cause the brush circuit breakers to trip.

## 3. Speed Control Knob

Controls the speed of the machine.

To increase speed, rotate knob clockwise.

To decrease speed, rotate knob counterclockwise.

## 4. Propel Control Levers

Controls the machine direction, and scrub brushes and solution flow.

To propel machine forward, squeeze either propel lever.

The scrub brushes will not rotate and the solution will not flow to scrub deck with the propel levers in neutral.

## 5. Reverse Button

Controls the reverse function.

To propel machine backward, push the reverse button while squeezing either propel lever.

## 6. Brush Switch

Controls the scrub brush motors.

To turn scrub brushes on, press the bottom of the switch. The brushes will not rotate with the propel control levers in neutral.

To turn scrub brushes off, press the top of the switch.

### **7. Actuator Switch**

Adjusts the amount of brush pressure to the floor by raising or lowering the scrub deck.

To increase brush pressure, press the bottom of the switch.

To decrease brush pressure or rise the scrub deck, press the top of the switch.

### **8. Solution Control Knob**

Controls solution flow to scrub deck.

To increase flow, rotate knob clockwise.

To decrease flow, rotate knob counterclockwise.

If the brush motors are turned off or the propel control levers are in neutral, the flow is automatically interrupted until the motors are turned on again. This feature prevents unintentional draining of the solution tank and allows the operator to adjust the solution flow to the scrub deck without resetting each time the scrubbing operation is interrupted.

### **9. Vacuum Switch**

Controls the vacuum motor.

To start vacuum motor, press the bottom of the switch.

To stop vacuum motor, press the top of the

### **10. Squeegee Lift Lever**

Raises and lowers the squeegee.

To lower the squeegee, lift the lever from its raised position.

To raise the squeegee, lift the lever from its lowered position.

### **11. Squeegee Pitch Adjustment Knob**

Adjusts the deflection at the ends of the squeegee.

To increase squeegee blade deflection at the ends, turn knob counterclockwise.

To decrease squeegee blade deflection at the ends, turn knob clockwise.

### **12. Squeegee Deflection Adjustment Knobs**

Adjusts the deflection along the entire length of the squeegee.

To increase squeegee blade deflection along the entire length, turn the two knobs at the squeegee ends counter-clockwise.

To decrease squeegee blade deflection along the entire length, turn the two knobs at the squeegee ends clockwise.

### **13. Battery Charge Level Indicator**

Indicates the charge level of the batteries.

The meter display is divided into 10 vertical bars. Bar illuminated on the far right indicate full charge. Bars flashing near the left side indicate the batteries should be recharged. Further operation of the machine could damage the machine or the batteries.

When the machine is left overnight with less than a full charge, the display may initially indicate a full charge. It will also indicate a full charge if the batteries are disconnected, then reconnected. After a few minutes of operation the meter will give the correct charge level.

### **14. Parking Brake (Optional)**

Locks front wheels to prevent unintentional movement.

To set parking brake, push down to lock notch.

To release parking brake, push down and over out of the lock down notch.

### **15. Hour Meter (Optional)**

Records the number of hours the machine has been in operation. This information is useful in determining when to service the machine.

### **16. Emergency Shut-off Switch (Optional)**

Shuts off machine.

To shut off machine, push the switch.

To restart machine, rotate the switch clockwise.

## Operations

### Machine Operation

#### Pre-run Machine Inspection

Do a pre-run inspection to find possible problems that could cause poor performance or lost time from breakdown. Follow the same procedure each time to avoid missing steps.

*NOTE: See maintenance service schedule for daily inspection items.*

#### Starting Machine

*NOTE: Perform pre-run machine check before operating machine.*

**FOR SAFETY: Before starting machine, make sure that all safety devices are in place and operating properly.**

1. Turn the machine power on.
2. Release the parking brake, if your machine is equipped with this option.
3. Engage the direction propel levers for the desired direction.

#### Emergency Stop Procedures

1. Release the propel levers.
2. Turn machine power off with key switch.
3. If an electrical problem is suspected push in emergency stop button, if machine is equipped with this option.
4. Apply brakes, if your machine is equipped with this option.

### Filling Solution Tank

**FOR SAFETY: Before leaving or servicing machine; stop on level surface, turn off machine and remove key.**

1. Turn the machine power off.
2. Set the parking brake if your machine is equipped with this option.
3. Remove solution tank cover.
4. Fill the solution tank with clean water, leaving enough room for the required amount of cleaning solution. The solution tank capacity filled to 2" (5 cm) from bottom of fill inlet is 23 gallons (87 liters). The water must not be hotter than 140° F (60°C) to prevent damage to the tank.
5. Measure the chemical into the solution tank. Liquid chemicals should be added to the solution tank after filling with water. Dry chemicals should be thoroughly mixed before being added into solution tank. Commercially available, high alkaline floor cleaners, are suitable for use in the solution system.

*NOTE: Read the chemical manufacturers recommended proportion instructions.*

6. Replace solution tank cover.

#### **WARNING:**

**Flammable materials can cause an explosion or fire. Do not use flammable materials in the tanks.**

#### **AVERTISSEMENT:**

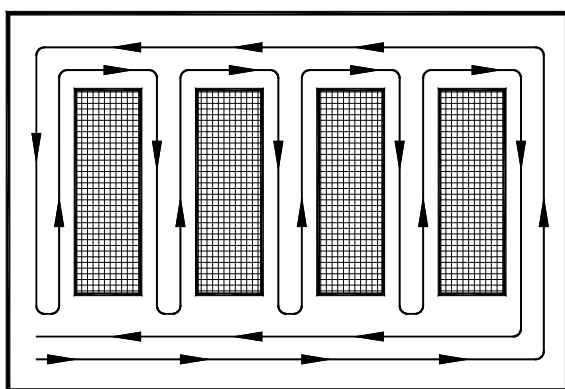
**Les matières inflammables peuvent provoquer une explosion ou un incendie. Ne pas utiliser de matériaux inflammables dans les réservoirs.**

## Normal Scrubbing

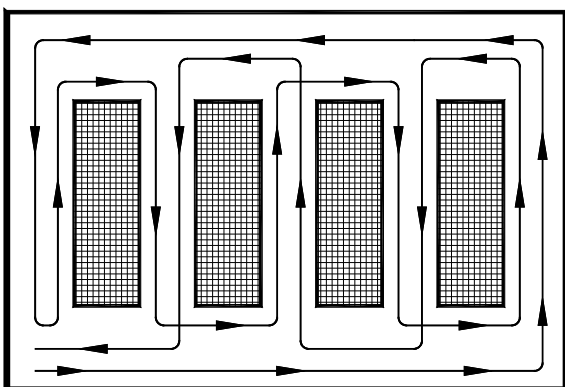
Plan the scrubbing pattern in advance. The longest track is around the perimeter of the area to be cleaned. For efficient operation, the runs should be the longest possible without turning, stopping, or raising and lowering scrub deck/squeegee.

*NOTE: In order to achieve the best possible results, the area which is to be cleaned should be swept before scrubbing. Large debris, strings & wire must be removed to prevent being caught in brushes or squeegee.*

INEFFICIENT SCRUBBING PATH



RECOMMENDED SCRUBBING PATH



## To Begin Scrubbing

### ⚠ WARNING:

When operating the machine around people, pay close attention for unexpected movement. Use extra caution around children.

### ⚠ AVERTISSEMENT:

Lorsque vous utilisez la machine en présence de gens, portez une attention particulière aux mouvements inattendus. Soyez plus prudent, surtout en présence d'enfants.

### ⚠ CAUTION:

Flammable liquids and/or reactive metals can cause explosions or fire! Do not pick up.

### ⚠ ATTENTION:

Les liquides inflammables et / ou les métaux réactifs peuvent provoquer des explosions ou un incendie ! Ne les ramassez pas.

1. Turn the machine power on.
2. Lower the squeegee.
3. Turn the vacuum on.
4. Lower the scrub brushes to the floor.
5. Turn the scrub brushes on (brushes will start when machine is propelled).
6. Drive machine forward to begin scrubbing.
7. Adjust the speed of the machine, solution flow and scrub brush pressure as necessary.

*NOTE: Shut machine off immediately if water or foam is expelled from the machine.*

*NOTE: Once solution flow rate is set it is not necessary to shut off solution when stopping scrubbing. Solution flow is automatically shut off when brush motors stop. When brush motors are activated, flow automatically resumes.*

## To Stop Scrubbing

1. Release the propel levers.
2. Turn the scrub brushes off.
3. Raise the scrub brushes.
4. Raise the squeegee.
5. Turn the vacuum off.
6. Turn the machine power off.

## Operations

### Double Scrub

For floors which are heavily soiled or have thick accumulations of floor finish may not clean sufficiently with one pass. In these cases it will be necessary to double scrub.

To double scrub, make the first pass over the surface being cleaned with the squeegee up, vacuum off, the solution on, Aqua-Mizer removed and brushes down. This allows the solution to stay in contact with the soil while loosening the surface accumulation with the brushes. Allow time for the first application to stay in contact with the floor. Length of time between the first and second pass depends on amount of accumulation and the type of chemical being used. A second scrubbing with the squeegee down and again the solution and brushes on will further loosen soil. The additional application of solution will further assist the difficult cleaning job.

**FOR SAFETY: When using machine, go slow on inclines and slippery services.**

### Emptying And Cleaning Tanks

1. Park the machine next to a floor drain. Drain hose is on left rear corner of the machine.
2. Turn the machine power off and set parking brake, if your machine is equipped with this option.

### Solution Tank

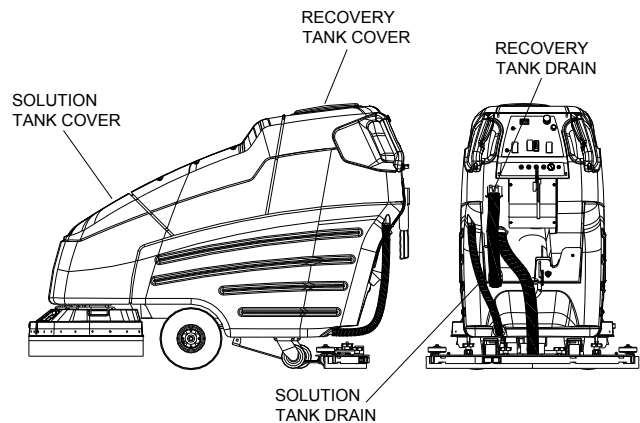
1. Loosen small drain hose from the retainer, then lower hose in direction of the drain.
2. Remove the solution tank cover.
3. Flush the solution tank out with clean water and run several gallons of clean water through systems. Do not use water hotter than 140°F (60°C) to clean tank. Damage may occur.

**NOTE: Never allow solution to remain in tank. Damage to tank, seals and valves could occur.**

4. Secure drain hose into the retainer.

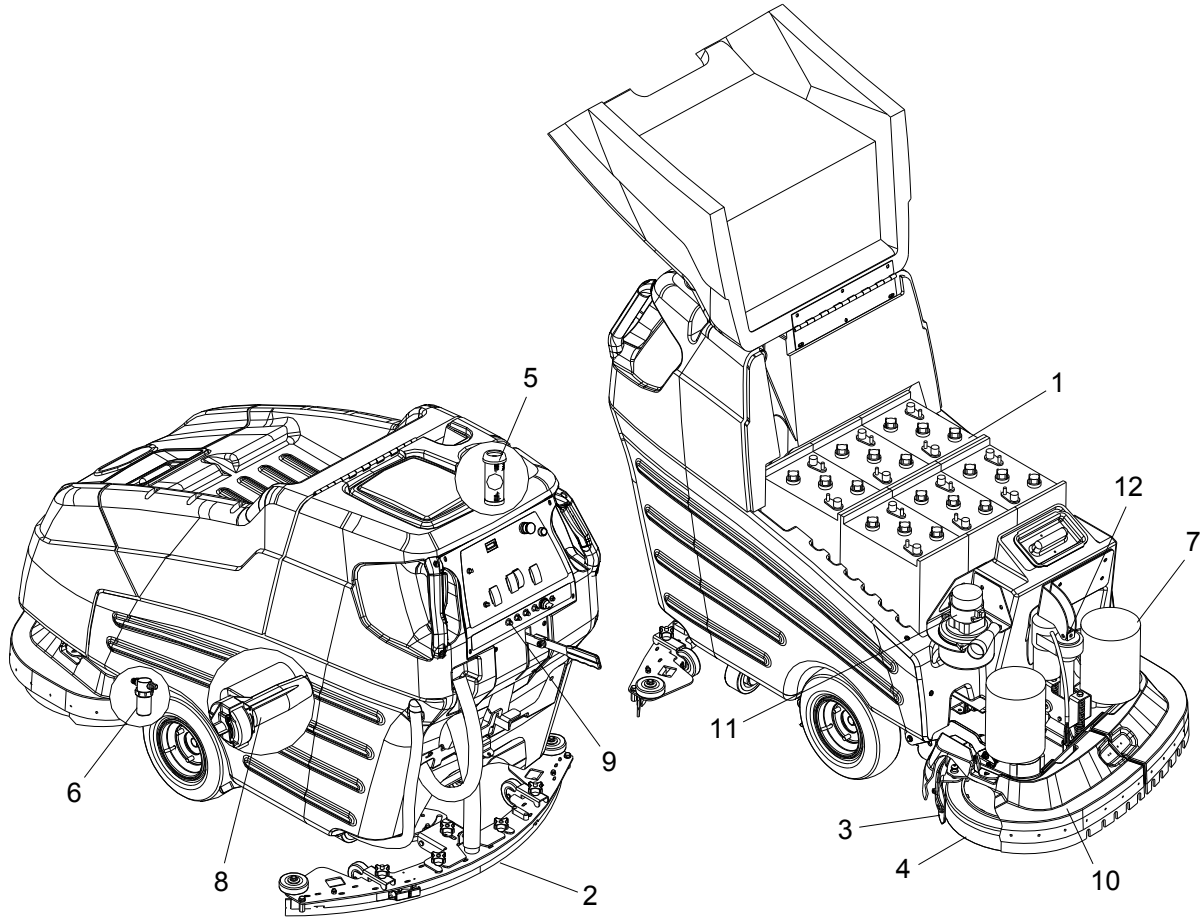
### Recovery Tank

1. Unhook the large drain hose from the retainer. Unscrew the T-handle on plug enough to loosen plug, then lower hose in direction of the drain. Do not stand in front of end of hose. Recovered solution will come out with force. Slowly remove plug from drain hose.
2. Remove the recovery tank dome. Flush the recovery tank out with clean water. Do not use water hotter than 140°F (60°C) to clean tank. Damage may occur.
3. Clean off the float shut-off system and inspect for free movement of float. The float shut-off system is located in the rear of the recovery tank.
4. Replace the drain plug and secure drain hose in bracket.
5. If machine is to be stored, leave the recovery tank dome off.



**Service Schedule**

<b>MAINTENANCE</b>	<b>DAILY</b>	<b>WEEKLY</b>	<b>MONTHLY</b>	<b>100 HRS</b>	<b>200 HRS</b>
Check batteries after charging; add water if necessary	*				
Check pad wear to prevent buildup of chemicals	*				
Check linkages and connectors for wear and damage	*				
Check hoses for wear, blockages, or damage	*				
Clean squeegee; check for adjustment; inspect for wear	*				
Check handles, switches, knobs, domes, and gaskets for damage	*				
Clean out recovery tank	*				
Clean out solution tank; remove and clean screen	*				
Clean outside of all tanks; check for damage	*				
Run vac motor for at least one minute to allow motor to dry	*				
Store with dome off tank to allow the tank to dry	*				
Check scrub deck skirt		*			
Check batteries for corrosion, cracks and evidence of over-heating			*		
Check all bearings for noise			*		
Check all gaskets for wear and leakage			*		
Check vac motor carbon brushes			*		
Check brushes for wear; ensure bristles are not damaged			*		
Check linkages for wear and damage			*		
Grease transaxle			*		
Grease wheels and casters			*		
Check squeegee blades for wear and frame for damage			*		
Check overall performance of machine			*		
Clean batteries and terminals				*	
Check parking brake (inspect cables, linkages and pulleys)					*
Check carbon brushes in all vacuum, brush drive, and propel motors					*
Blow out dust in motors					*
Inspect motor commutators					*
Clean chains, cables and pulleys					*
Clean pivot points on squeegee and scrub deck linkages					*



- 1. Batteries
- 2. Squeegee
- 3. Aqua Mizer™
- 4. Scrub Brushes
- 5. Float Shut-Off
- 6. Solution Strainer
- 7. Brush Motor
- 8. Traction Motor
- 9. Circuit Breakers
- 10. Brush Shroud & Brush Skirts
- 11. Vacuum Motor
- 12. Actuator Scrub Brush

## Batteries

The batteries provide the power to operate the machine. The batteries require regular maintenance to keep them operating at peak efficiency.

The machine batteries will hold their charge for long periods of time, but they can only be charged a certain number of times. To get the greatest life from the batteries, charge them when their charge level reaches 25% of a full charge. Use a hydrometer to check the charge level.

Do not allow the batteries to remain in a discharged condition for any length of time. Never expose a discharged battery to temperatures below freezing. Discharged batteries will freeze causing cracked cases. Do not operate the machine if the batteries are in poor condition or if they have a charge level below 25% (specific gravity below 1.155).

Keep all metallic objects off the top of the batteries, as they may cause a short circuit. Replace worn or damaged cables and terminals.

Check the electrolyte level in each battery cell before and after charging the batteries. Never add acid to the batteries, use distilled water. Do not allow water level to fall below the battery plates. Portions of plates exposed to air will be destroyed. Do not overfill. Keep plugs firmly in place at all times.

### **CAUTION:**

When servicing machine, avoid contact with battery acid.

### **ATTENTION:**

Lors de l'entretien de la machine, évitez tout contact avec l'acide de batterie.

### **WARNING:**

Batteries emit hydrogen gas. Explosion or fire can result. Keep sparks and open flame away. Keep covers open when charging.

### **AVERTISSEMENT:**

Les batteries émettent du gaz hydrogène. Une explosion ou un incendie peut en résulter. Maintenez les étincelles et les flammes nues à l'écart. Gardez les carters ouverts lors du chargement.

### **WARNING:**

Wear eye protection and protective clothing when working with batteries.

### **AVERTISSEMENT:**

Portez des lunettes de protection et des vêtements de protection lorsque vous travaillez avec des batteries.

### **WARNING:**

Charge batteries in a well ventilated area.

### **AVERTISSEMENT:**

Chargez les batteries dans un endroit bien ventilé

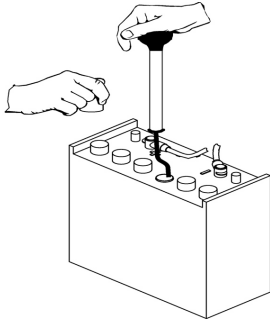
## Battery Maintenance

1. When cleaning the batteries, use a solution of baking soda and water. Do not allow the cleaning fluid to enter the battery cells, electrolyte will be neutralized.
2. Maintain the proper electrolyte level in each battery cell. If a cell should accidentally overflow, clean immediately.
3. Wipe off the top of the batteries at least once a week.
4. Test battery condition with a hydrometer at least once a week.
5. Ensure that all connections are tight and all corrosion removed.
6. Every 4 to 6 months, remove that batteries from the machine and clean the battery cases and battery compartment.

## Maintenance

### Checking Battery Specific Gravity

Use a hydrometer to check the battery specific gravity.



### Checking Gravity

#### A. Hydrometer

#### B. Battery

*NOTE: Do not take readings immediately after adding distilled water, if the water and acid are not thoroughly mixed, the reading may not be accurate.*

Check the hydrometer readings against this chart.

SPECIFIC GRAVITY @ 80° F (27°C)	BATTERY CONDITION
1.265	100% CHARGED
1.225	75% CHARGED
1.190	50% CHARGED
1.155	25% CHARGED
1.120	DISCHARGED

*NOTE: If the readings are taken when the battery electrolyte is any temperature other than 80°F (27°C), the reading must be temperature corrected.*

To find the corrected specific gravity reading when the temperature of the battery electrolyte is other than 80°F (27°): Add (+) to the specific gravity reading 0.004 (4 points), for each 10°F (6°C) above 80° (27°C). Subtract (-) from the specific reading 0.004 (4 points), for each 10°F (6°C) below 80°F (27°C).

### To Charge The Batteries

#### **! WARNING:**

When servicing machine, avoid contact with battery acid.

#### **! AVERTISSEMENT:**

Lors de l'entretien de la machine, évitez tout contact avec l'acide de batterie.

#### **! CAUTION:**

Batteries emit hydrogen gas. Explosion or fire can result. Keep sparks and open flame away. Keep covers open when charging.

#### **! ATTENTION:**

Les batteries émettent du gaz hydrogène. Une explosion ou un incendie peut en résulter. Maintenez les étincelles et les flammes nues à l'écart. Gardez les carters ouverts lors du chargement.

#### **! WARNING:**

Wear eye protection and protective clothing when working with batteries.

#### **! AVERTISSEMENT:**

Portez des lunettes de protection et des vêtements de protection lorsque vous travaillez avec des batteries.

#### **! WARNING:**

Charge batteries in a well ventilated area. Leave the battery cover open.

#### **! AVERTISSEMENT:**

Chargez les batteries dans un endroit bien ventilé

Use a 24 volt, 18 amp maximum output or 25 amp (depending on the size of the batteries), DC charger which will automatically shut off when the batteries are fully charged.

1. Stop the machine in a clean, well ventilated area next to the charger.
2. Turn "OFF" machine.

**FOR SAFETY: Before leaving or servicing machine; stop on level surface, turn off machine and remove key.**

3. Raise the battery cover.

#### **! WARNING:**

Batteries emit hydrogen gas. Explosion or fire can result. Keep sparks and open flame away. Keep covers open when charging.

**⚠️ AVERTISSEMENT:**

Les batteries émettent du gaz hydrogène. Une explosion ou un incendie peut en résulter. Maintenez les étincelles et les flammes nues à l'écart. Gardez les carters ouverts lors du chargement.

4. Check the electrolyte level in each battery cell. Before charging, add just enough distilled water to cover the plates. After charging is complete, add just enough distilled water to bring up the level to the indicator ring. If the water level is too high before charging, normal expansion rate of the electrolyte may cause an overflow. Resulting in a loss of battery acid balance and damage the machine.
5. Replace the battery caps, and leave them in place while charging.
6. Unplug the battery connector from the machine.  
**FOR SAFETY: When charging, connect the charger to the batteries before connecting the charger to the AC wall outlet. Never connect the charger to the AC wall outlet first. Hazardous sparks may result.**
7. Plug the charger connector into the battery connector. Connect the charger AC plug to a wall outlet. The charger gauge should indicate that the batteries are charging.
8. When the batteries are fully charged, disconnect the charger from the AC wall outlet, then disconnect the charger from the batteries.
9. Connect the batteries to the machine connector.
10. Check the electrolyte level. It should be up to the indicator ring. If necessary, add distilled water.
11. Lower the battery cover.

**Machines equipped with On board Charger:**

1. Connect charger's AC power cord to AC mains. The charger's YELLOW "AC" LED will light.  
*NOTE: When charger is energized, all machine function will shut down.*
2. Current level being delivered to the batteries will be displayed on the charger's bar graph.
3. When battery charge level has reached 80% the YELLOW "80%" LED will light.
4. Batteries will then receive a low current "finish-charge" indicated by the flashing GREEN "100%" LED.
5. Charging cycle is complete when "100%" LED is continuously GREEN.
6. Disconnect charger's AC power cord.

7. Raise battery cover and check the battery electrolyte level. It should be up to the indicator ring. If necessary, add distilled water.
8. Lower the battery cover.

*NOTE: For additional information about battery charger function, please see the charger Product Manual.*

**Changing Batteries**

Stop the machine in a clean area next to the charger. Turn off machine.

**FOR SAFETY: Before leaving or servicing the machine; stop on level surface, turn off machine and remove key.**

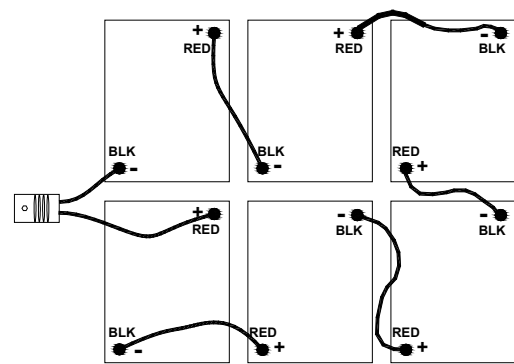
1. Raise the battery cover.
2. Disconnect battery pack from machine.
3. Use the proper size open end wrench to disconnect main ground wire first and secure cable terminal away from batteries.
4. Disconnect main positive lead and secure cable terminals away from batteries.
5. Loosen both terminals on each jumper cable and remove one at a time.
6. Prepare a suitable site to place the batteries.
7. Attach suitable battery lifting device and lift batteries from the machine.

**⚠️ WARNING:**

Batteries are a potential environmental hazard. Consult your battery supplier for safe disposal methods.

**⚠️ AVERTISSEMENT:**

Les batteries constituent un danger potentiel pour l'environnement. Consultez le fournisseur de votre batterie pour connaître les méthodes d'élimination sûres.



FRONT OF MACHINE

## Maintenance

### Squeegee Blades

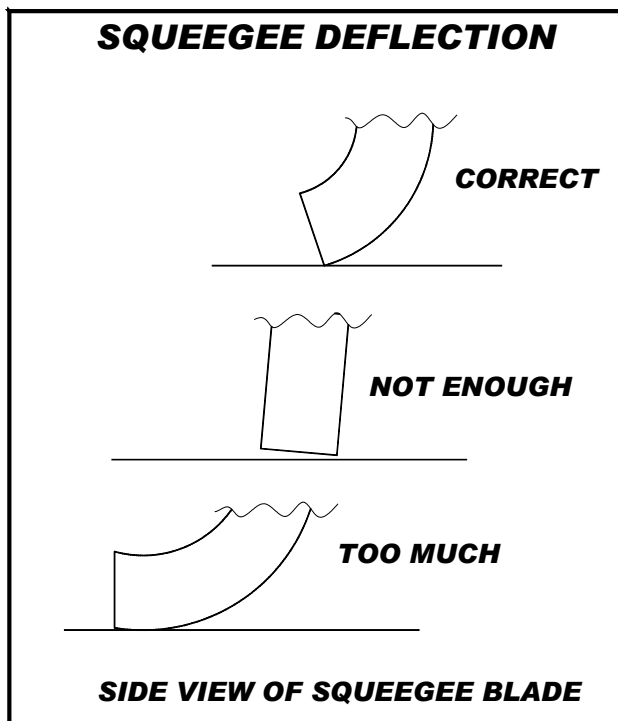
The front squeegee blade allows solution to pass through channels in the blade into the squeegee assembly while maintaining vacuum to provide lift. The front blade has four wear surfaces and can be rotated for extended life. The front blade should not require regular replacement under normal use.

The rear blade wipes the floor to a near dry condition. It is important the rear blade be in good condition to properly do its job. As with the front, each squeegee blade assembly has four wear surfaces for extended service.

Check both the front and rear squeegee blades for damage, wear, and adjustment each day in the pre-run check. Change the front blade if it is torn or has an uneven edge. Change the rear blade if it is less than 1/2 the original thickness.

### Adjusting Squeegee

Adjusting the squeegee is a two-part process. First, the squeegee assembly must have correct pitch in order for the squeegee blade to have the same deflection at each tip as well as the center. The knob on the squeegee linkage controls the pitch adjustment. The second adjustment is the deflection. Knobs on each end of the squeegee control this.



### To Remove Squeegee Assembly

1. With the squeegee in the up position, turn key switch "OFF".
2. Disconnect vacuum hose from squeegee and loosen both knobs.
3. Pull squeegee assembly rearward from the lifting carrier.
4. Inspect or repair as necessary and reinstall.

### To Replace Or Rotate Rear Squeegee Blades

1. With the squeegee in the up position, turn key switch "OFF".

**FOR SAFETY: Before leaving or servicing machine; stop on level surface, turn off machine and remove key.**

2. Remove the squeegee assembly from the machine. Unlatch and remove blade retainer strap and remove squeegee blade.
3. Rotate the squeegee to new edge position or replace as required. Each blade has four new edge positions.
4. Install blade on locating pins of squeegee assembly.
5. Install squeegee retainer strap.
6. Fasten and lock latch, adjust latch only tight enough to take up slack in retaining strap.

### To Replace Or Rotate Front Squeegee Blade

1. With the squeegee in the up position, turn key switch "OFF".
2. Remove the squeegee from the machine. Loosen three thumbscrews and remove the retainer strap and squeegee blade.
3. Rotate the squeegee to new edge position or replace as required. Each blade has four new edge positions. When installing the front blade, tighten the center thumbscrew first. Insure that the retainer strap is pressed against the blade before tightening the outer screws.

### To Adjust Squeegee Pitch

1. Choose a smooth, level surface. Turn "ON" the key switch. Lower the squeegee and drive forward at least 2 feet (60cm.).
2. With the squeegee down, stop the machine. Do not allow machine to roll back.

**FOR SAFETY: Before leaving or servicing the machine; stop on level surface, turn off machine and remove key.**

3. Determine the differences, if any, in deflection of the squeegee blade between each end and the middle. Proper adjustment is obtained when deflection is equal all the way across the squeegee blade. The bubble level should also indicate when the squeegee is adjusted properly. When the air bubble is in the center of the vial, the deflection should be even across the squeegee blade.
4. To decrease the deflection of the squeegee blade at the ends, tighten knob near the squeegee center. To increase the deflection at the ends of the squeegee assembly, loosen knob.
5. Check the deflection of the squeegee blades again. Repeat steps 1 through 4 until the deflection is equal across the entire rear squeegee blade.

### To Adjust Amount Of Rear Squeegee Deflection

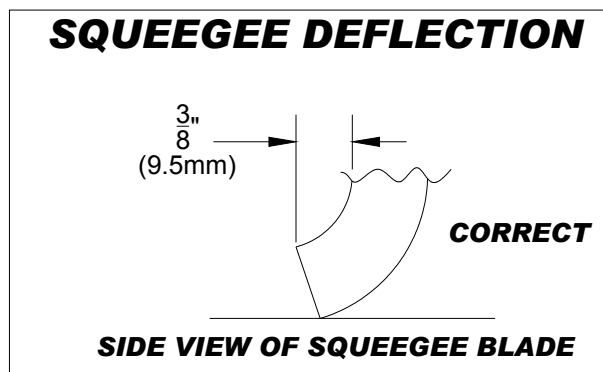
1. Choose a smooth, level surface. Lower the squeegee and drive forward at least 2 feet (60cm).
2. With the squeegee down, stop the machine. Do not allow machine to roll back.

**FOR SAFETY: Before leaving or servicing machine; stop on level surface, turn off machine and remove key.**

3. Observe the amount of squeegee deflection. It should deflect 3/8 in. (9.5mm) across the entire width of the squeegee.
4. To increase the squeegee deflection, turn the 2 knobs at the squeegee ends counter-clockwise. To decrease the deflection, turn the knobs clockwise.

*NOTE: The deflection should be consistent along the length of the squeegee. If the deflection varies from end to end the knobs can be adjusted independently to correct the variation.*

5. Turn on the key switch. Raise, then lower squeegee assembly. Drive forward at least 2 feet (60cm).
6. Repeat steps 2 through 4 until deflection of 3/8 in. (9.5mm) is reached.



### To Replace Aqua-mizer™ Squeegee Blades

These squeegee blades have two wear edges. To use the second edge:

1. Remove deck shrouds.
2. Remove brushes or pad drivers.
3. Remove each of the Aqua-Mizer™ squeegee systems.
4. Remove the hardware from each system that retains the blade.
5. Flip the blades and replace hardware.
6. Re-install each Aqua-Mizer™ system, brushes or pad drivers and shrouds.

## Maintenance

### Scrub Brushes

There are four different types of brushes available to cover applications from cleaning heavily soiled floors to polishing. A pad driver is also available to take advantage of the many cleaning pads on the market. Please refer to the following to assist in selecting the proper brush or pad for the work at hand.

### Uncoated Floors

**Aggressive Grit** is a nylon fiber impregnated with silicone carbide grit. It grinds away stain, soil, and removes surface material.

**Mild Grit** is a less aggressive silicone carbide grit suitable for cleaning medium soil conditions. Advantages are faster ground speed than nylon bristles on light solid applications.

**Polypropylene** is a general-purpose scrub brush with stiff bristles. Polypropylene works well for maintaining concrete, wood and tile floors.

### Finished Floors

**Nylon** bristles are used in a variety of applications on coated or uncoated surfaces.

**White Pads** (Polishing) are used for dry polishing to achieve a high-gloss appearance, or surface washing on highly polished or burnished floors.

**Red Pads** (Buffing) are used for light-duty scrubbing. When used with a mild detergent they will provide surface cleaning without removing the finish.

**Blue Pads** (Scrubbing) are used for heavy-duty scrubbing and light stripping. The blue pads remove less finish than brown stripping pads, yet will remove black marks, stains and dirt.

**Black Pads** (Stripping) are used for easy and complete removal of old floor waxes/finishes. They will quickly remove ground in dirt, black heel marks, and spills. When used with the proper stripper, this pad leaves the floor clean and ready for finishing.

The scrub brushes should be checked before each days work for wire, string, wear and damage.

### Replacing Or Installing Scrub Brushes

1. With the scrub deck up, turn "OFF" the machine.

**FOR SAFETY: Before leaving or servicing the machine; stop on level surface, turn OFF machine and remove key.**

2. Remove the two brush cover shrouds.
3. Locate release lever on top of brush or pad driver. Rotate release lever counter-clockwise and the brush/pad driver will release and drop down.
4. To reinstall, center the brush driver under the brush drive hub. Raise until it contacts brush driver assembly. Turn clockwise until release lever plate locks into position.
5. Replace the two brush cover shrouds.

*NOTE: Check that release plate is completely closed and pad/brush is securely attached. Damage to driver or brush could occur.*

### Recovery Tank Float Shut-off

When water is no longer being vacuumed from the floor and the vacuum fan is operating, the ball float has engaged. The vacuum motor will not vacuum water with recovery tank full. The recovery tank must be drained.

1. The float shut-off screen can be cleaned in or out of the machine.
2. To clean the float shut-off while it is inside the machine wipe material off screen then rinse. Check that the ball is also clean and moves freely.
3. To remove the float shut-off, grasp the screen with one hand and the connected tube with the other. Tilt and pull the float screen assembly to pull it off the barb on the tube.

To install, place one hand on the tube, and then tilt and push the float screen assembly over the barb on the tube.

## Solution Strainer

The solution strainer is located in front of the left front wheel. The solution strainer protects the solenoid valve from debris. If there is little or no solution flow to the ground, check the strainer for debris. Drain the solution tank and clean the solution strainer. To remove the strainer, turn the bottom part of the strainer counter-clockwise until the bottom is separated. Clean out the debris from the wire mesh and re-assemble. Make sure the O-ring gasket is in place when re-assembled.

## Brush Motor

### **WARNING:**

Do not use a pressure washer to clean around the brush motors. Use tap pressure only.

### **AVERTISSEMENT:**

Do not use a pressure washer to clean around the brush motors. Use tap pressure only.

## Changing Brush Motors

1. With the scrub deck in the stored position, disconnect brush motor wiring connector from harness.
2. Remove shrouds from scrub deck to access and remove scrub brushes or pad drivers.
3. Remove retaining bolt, lock washer, flat washer and star drive from brush motor shaft.
4. Remove 4 brush motor mounting bolts located under scrub deck.
5. Remove brush motor.
6. Reverse steps to install.

## Brush Motor Carbon Brush Replacement

1. Scribe alignment mark on motor barrel to motor cap. Remove two bolts.
2. Remove end cap from motor.  
*NOTE: Motors contain two wave washers in cap. Do not lose these.*
3. Release brush from spring tension. Remove screw connecting brush wire lead to brush holder. Clean brush holder to insure free movement.
4. Retract spring and install new brush. Install connector screw and lead.
5. When all new brushes are installed. Place all in retracted position, held into brush holder by spring tension.
6. Carefully place end cap onto bearing on motor shaft.  
*NOTE: Use care to assure wave washer alignment.*
7. With end cap in partially installed position, release all brushes to contact position with motor commutator.  
*NOTE: Failure to insure all brushes are released will result in motor failure.*

8. Reset end cap and realign with scribe marks on motor barrel. Reinstall the two attach bolts from cap into base.
9. Maintain alignment between motor barrel base and cap.

## Maintenance

### Traction Motor

#### **⚠ WARNING:**

Do not use a pressure washer to clean around the motors. Use tap pressure only.

#### **⚠ AVERTISSEMENT:**

N'utilisez pas de nettoyeur haute pression pour nettoyer autour des moteurs des brosses. Utilisez seulement la pression du robinet.

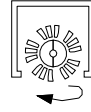
### Traction Motor Carbon Brush Replacement

**FOR SAFETY: Before leaving or servicing machine, stop on a level surface, turn off machine and remove key.**

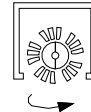
1. Disconnect batteries from machine.
2. Disconnect the electrical connection to the traction motor.
3. Remove brush cap.
4. Release brush from spring tension. Remove screw connecting brush wire lead to brush holder. Clean brush holder to insure free movement.
5. Install new brush and reinstall connecting screw and lead.
6. When all new brushes are installed. Place all in retracted position, held into brush holder by spring tension.
7. Carefully replace brush cap.

### Circuit Breakers

Circuit breakers interrupt the flow of power in the event of an electrical overload. When a circuit breaker is tripped, reset it by pressing the exposed button. If a circuit breaker continues to trip, the cause of the electrical overload should be found and corrected.



30 Amp. Protects the left scrub brush motor.



30 Amp. Protects the right scrub brush motor.



25 Amp. Protects the vacuum motor.



25 Amp. Protects the propel motor.



3 Amp. Protects the machine controls.

### Brush Shrouds & Brush Skirts

Contain the water in the shroud area. The skirt will flex over uneven floors and also as the brush or pad wears. As the brush wears the shrouds can be adjusted so that skirt does not have to flex so much.

Remove three bolts on each side that fasten the bracket to the cover and re-assemble in the top holes. When the brushes are replaced with new ones move the covers back to the lower set of holes.

## Vacuum Motor

### **⚠ WARNING:**

Do not use a pressure washer to clean around the vacuum motors. Use tap pressure only. Care must be taken so that water is not directed into vacuum motor air intakes.

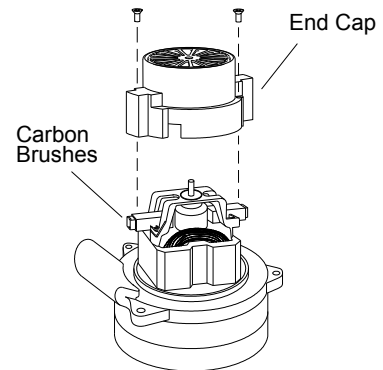
### **⚠ AVERTISSEMENT:**

Ne pas utiliser un jet d'eau à forte pression pour laver autour des moteurs d'aspiration. N'utiliser que la pression de l'eau du robinet. Veiller à ne pas diriger l'eau sur les prises d'air des moteurs d'aspiration.

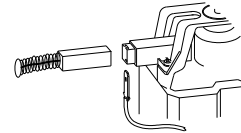
## Changing Vacuum Motor

1. Remove side cover.
2. Disconnect electrical connector to the vacuum motor.
3. Loosen clamp and disconnect hose from vacuum intake.
4. Remove vacuum motor mounting bracket bolts, which are located under frame.
5. Remove vacuum motor and mounting bracket assembly.
6. Reverse steps to install

## Vacuum Motor Carbon Brushes

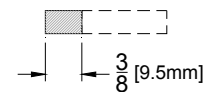


If armature commutator is grooved, extremely pitted or not concentric, the motor will need to be replaced or sent to a qualified service center.



### 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.

### Actuator Scrub Deck Removal & Replacement

**FOR SAFETY: Before leaving or servicing machine, stop on a level surface, turn off machine and set parking brake (If option is installed).**

1. Remove front cover.
2. Remove the two nuts below the scrub deck that attach the actuator bracket.
3. Remove clevis pin and rue ring from lower bracket of actuator, make sure not allow actuator bracket to rotate.
4. Disconnect actuator from wiring harness.
5. Remove upper clevis pin and rue ring from actuator bracket.
6. Reverse steps to install.

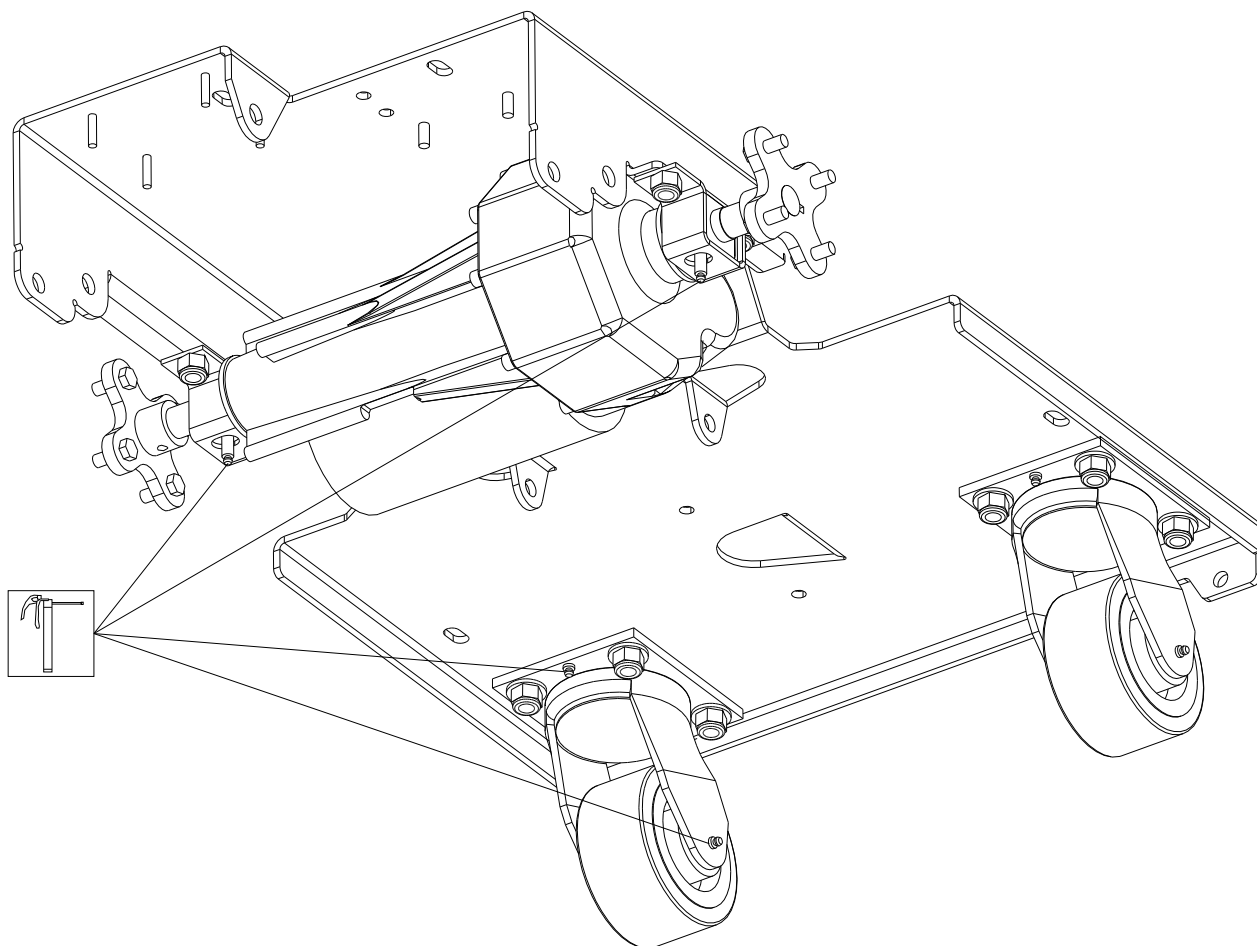
### Scrub Deck Actuator Adjustment

The actuator will need to be adjusted when replaced.

**To adjust the actuator:**

1. While holding actuator barrel to prevent it from spinning, apply power to the actuator such that it is fully extended. Positive power to white wire, and negative/ground to black. Limit switch within actuator will stop it.
2. Turn barrel out one or more full turns to assure that when it is retracted it will not bind against itself.
3. While holding actuator barrel to prevent it from spinning, apply power to the actuator such that it is fully retracted. Positive power to black wire, and negative/ground to white wire. Limit switch within actuator will stop it.
4. With actuator fully retracted, turn barrel in until it touches the base of the threaded shaft.
5. At the bottomed out position, turn the barrel out **1 1/2 turns**, then enough more to allow connection to lift linkage.
6. Connect actuator to lift linkage.
7. Check travel of actuator during operation.

## Greasing Axle



**RECOMMENDED GREASING:**  
1-2 strokes of Mobiltemp®78 or compatible clay-based or calcium-based grease.  
**NOTE:** Use hand operated grease gun only.

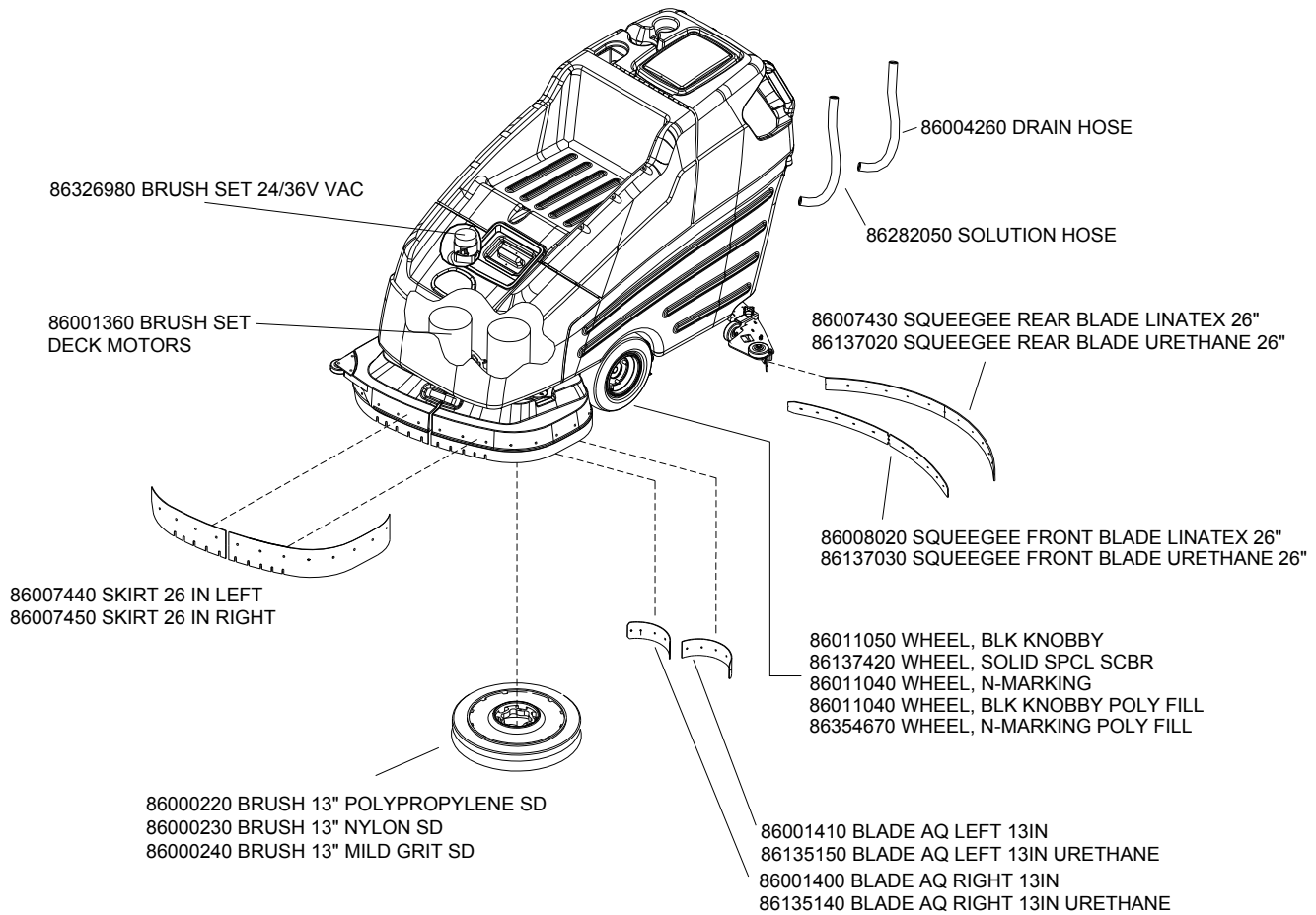
## Maintenance

### Machine Troubleshooting

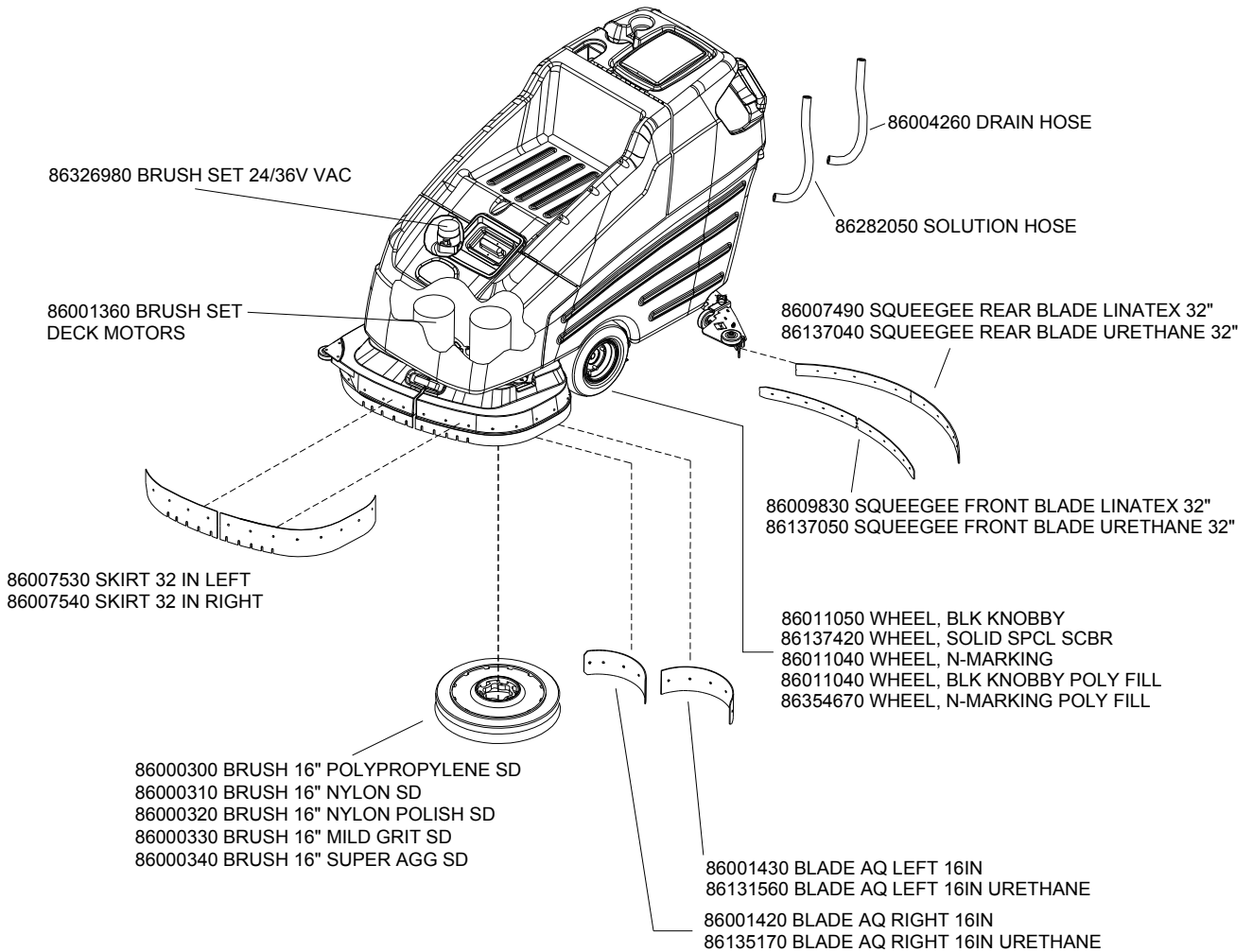
PROBLEM	CAUSE	SOLUTION
Poor or no water pick-up	Squeegee out of adjustment	Adjust squeegee
	Debris caught on squeegee	Remove debris
	Worn squeegee blades	Rotate or replace squeegee blades
	Vacuum hose clogged	Clear obstruction from hose
	Vacuum hose disconnected from squeegee or recovery tank	Reconnect vacuum hose
	Vacuum hose damaged	Replace vacuum hose
	Recovery tank not sealed	Place recovery tank dome on tank. Replace damaged gaskets.
	Foam filling recovery tank	Empty recovery tank Use less or different detergent Use defoamer
Vacuum motor does not run, or runs slowly	Recovery tank full	Drain recovery tank
	Recovery tank float system dirty	Clean float system
	Circuit breaker tripped	Reset circuit breaker
	Loose connection	Check motor wires and connections
	Faulty vacuum switch	Replace switch
	Worn vacuum motor brushes	Replace brushes, check commutator
Poor scrubbing performance	Debris caught in scrub brushes	Remove debris
	Worn brushes or pads	Replace brushes or pads
	Improper detergent, brush or pad used	Contact equipment or application specialist
	Low scrub brush down pressure	Increase brush pressure
	Low battery charge	Charge batteries
Brush motors do not run, or runs slowly	Circuit breaker(s) tripped	Reset circuit breaker(s)
	Loose connection	Check motor wires and connection
	Faulty brush motor contactor	Replace contactor
	Worn brush motor brushes	Replace brushes, check commutator

<b>PROBLEM</b>	<b>CAUSE</b>	<b>SOLUTION</b>
Little or no solution flow to the floor	Solution tank empty	Fill solution tank
	Solution flow turned off or set too low	Turn on or increase flow setting
	Solution strainer plugged	Clean solution strainer
	Solution hoses obstructed	Clear obstruction from hose
	Solution solenoid valve obstructed or stuck	Clean or replace
	Vent hole in solution tank lid obstructed	Clear obstruction from vent hole
No power to machine	Battery disconnected	Check all battery cable connections
	Emergency shut-off activated (If included)	Reset
	Battery connections corroded	Clean connections
	Faulty main contactor	Replace contactor
	Faulty key switch	Replace switch
Little or no propel	Low battery charge	Charge batteries
	Wheels spin	Decrease brush pressure
	Controller overheated	Allow cool down period Adjust brush shroud if needed
	Loose connection	Check motor wires and connection

## Suggested Spare Parts - 26" Scrub Head



## Suggested Spare Parts - 32" Scrub Head



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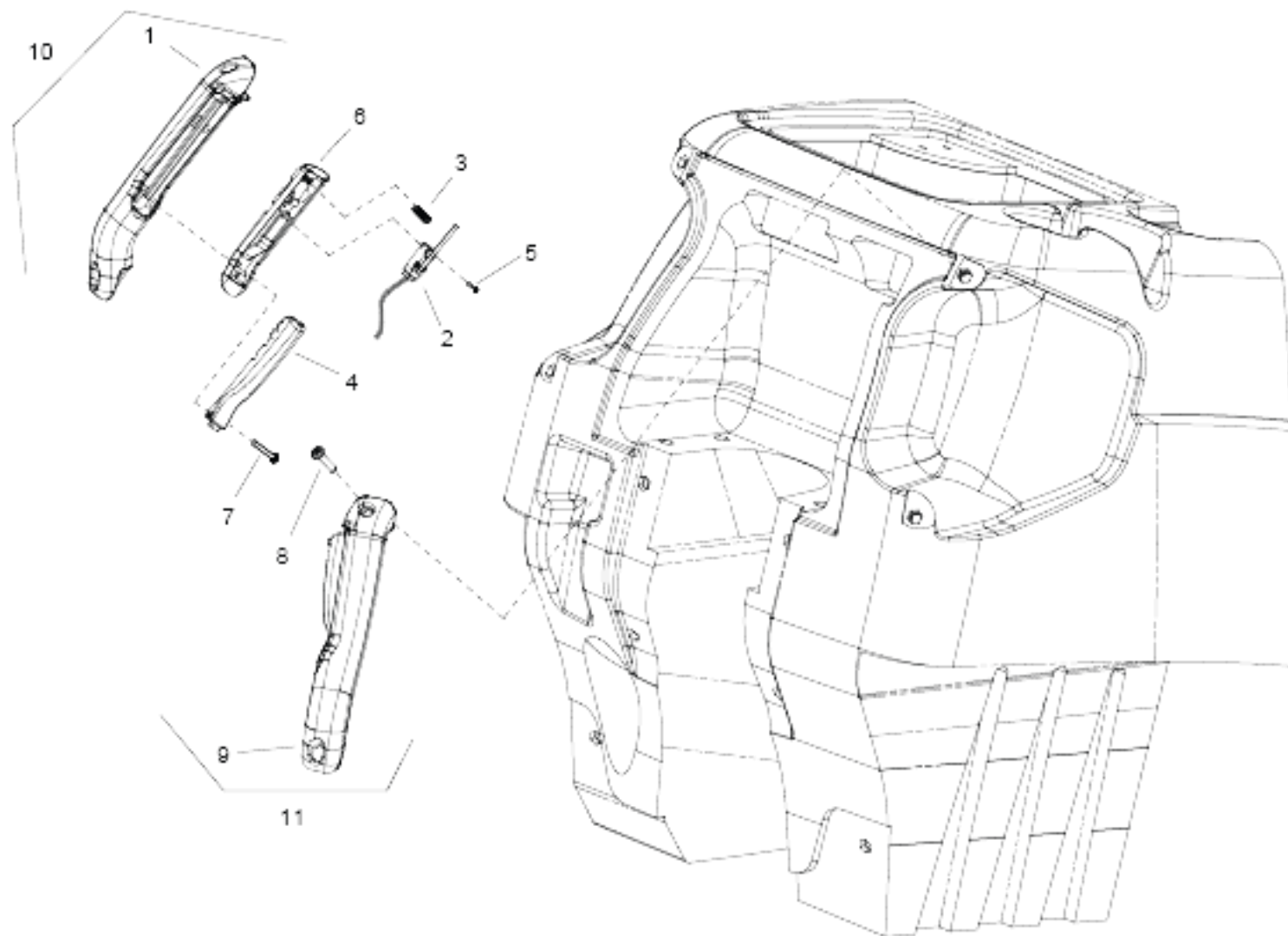
## 26" 24V SABER CUTTER DLX (1.005-238.0)

POS	Description	Quantity	Unit
9020	CONTROL HANDLE	1.000	ST
9030	COVER (FRONT) AND TANK MOUNT	1.000	ST
9040	COVER (TOP) AND TANK MOUNT	1.000	ST
9050	DECAL	1.000	ST
9060	ELECTRICAL PANEL	1.000	ST
9070	LIFT HANDLE	1.000	ST
9080	LIFT HANDLE LINKAGE	1.000	ST
9090	RECOVERY TANK	1.000	ST
9100	SCRUB BRUSH-PAD DRIVER - 26IN DISK	1.000	ST
9110	SCRUB BRUSH & PAD DRIVER	1.000	ST
9120	SCRUB DECK AQUA-MIZER™ - 26IN SCRUBHEAD	1.000	ST
9130	SCRUB DECK AQUA-MIZER™ - 32IN SCRUBHEAD	1.000	ST
9140	SCRUB DECK MOTORS	1.000	ST
9150	SCRUB DECK SKIRT	1.000	ST
9160	SCRUB DECK SKIRT - 32 IN SCRUBHEAD	1.000	ST
9170	SCRUB DECK LIFT LINKAGE - 26 IN SCRUBDEC	1.000	ST
9180	SCRUB DECK LIFT LINKAGE -32 IN SCRUBDECK	1.000	ST
9190	SCRUB DECK LIFT 1	1.000	ST
9200	SCRUB DECK LIFT 2	1.000	ST
9210	SOLUTION 1	1.000	ST
9220	SOLUTION 2	1.000	ST
9230	SQUEEGEE - 26IN SCRUBHEAD	1.000	ST
9240	SQUEEGEE - 32IN SCRUBHEAD	1.000	ST
9250	SQUEEGEE LIFT LINKAGE (LOWER)	1.000	ST
9260	VACUUM	1.000	ST
9270	WHEELS AND FRAME	1.000	ST
9280	WIRING - BATTERY	1.000	ST
9290	WIRING - CONTROL PANEL	1.000	ST
9300	WIRING - MAIN HARNESS	1.000	ST
9310	WIRING SCHEMATIC CUTTER 24V	1.000	ST
9330	BRAKE	1.000	ST
9340	EMERGENCY STOP	1.000	ST
9350	ACCESSORY PUMP	1.000	ST

26" 24V SABER CUTTER DLX (1.005-238.0)

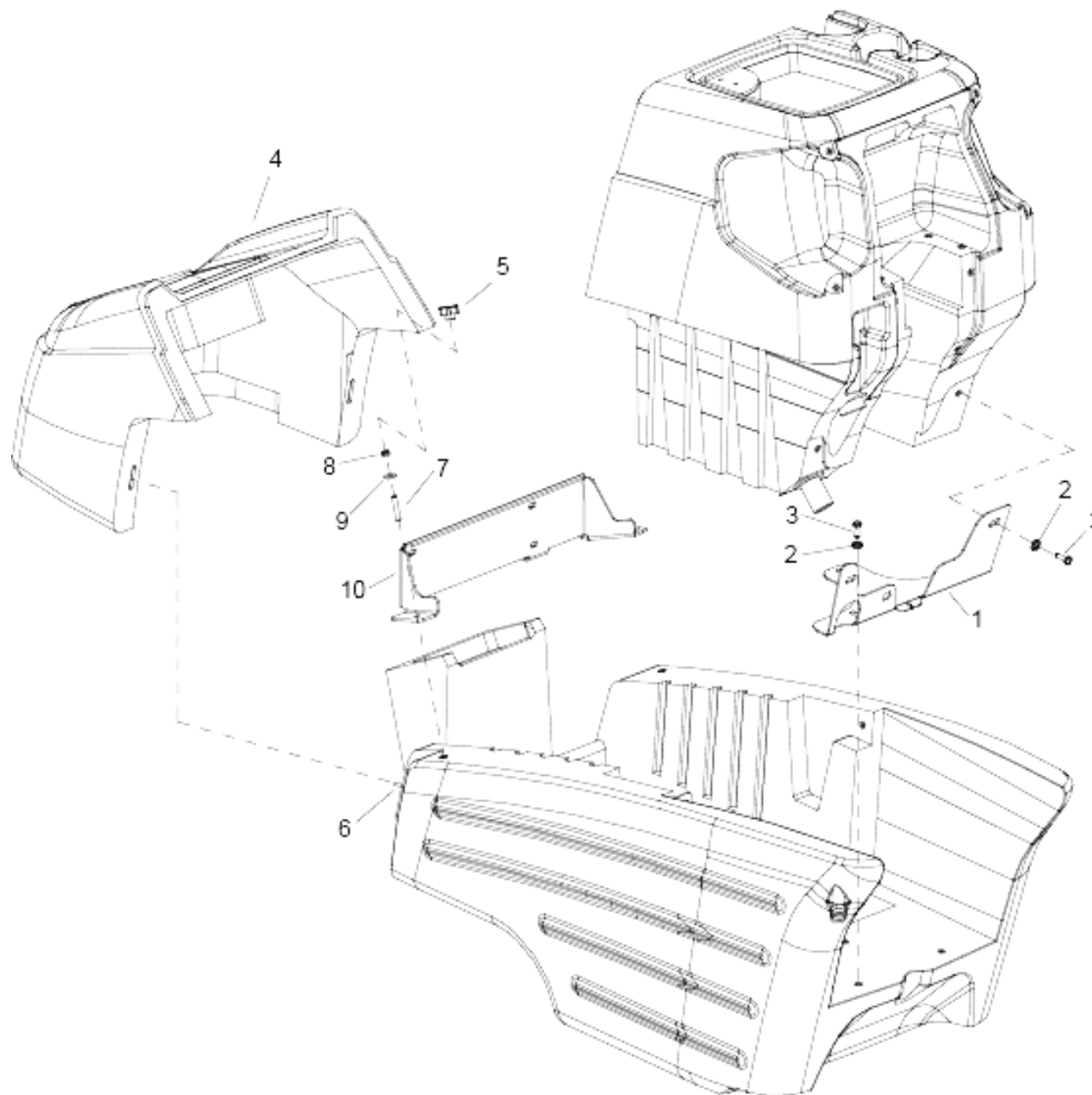
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<b>POS</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>
9360	BATTERY CHARGER - SCC326	1.000	ST
9370	SERIAL NUMBERS	1.000	ST



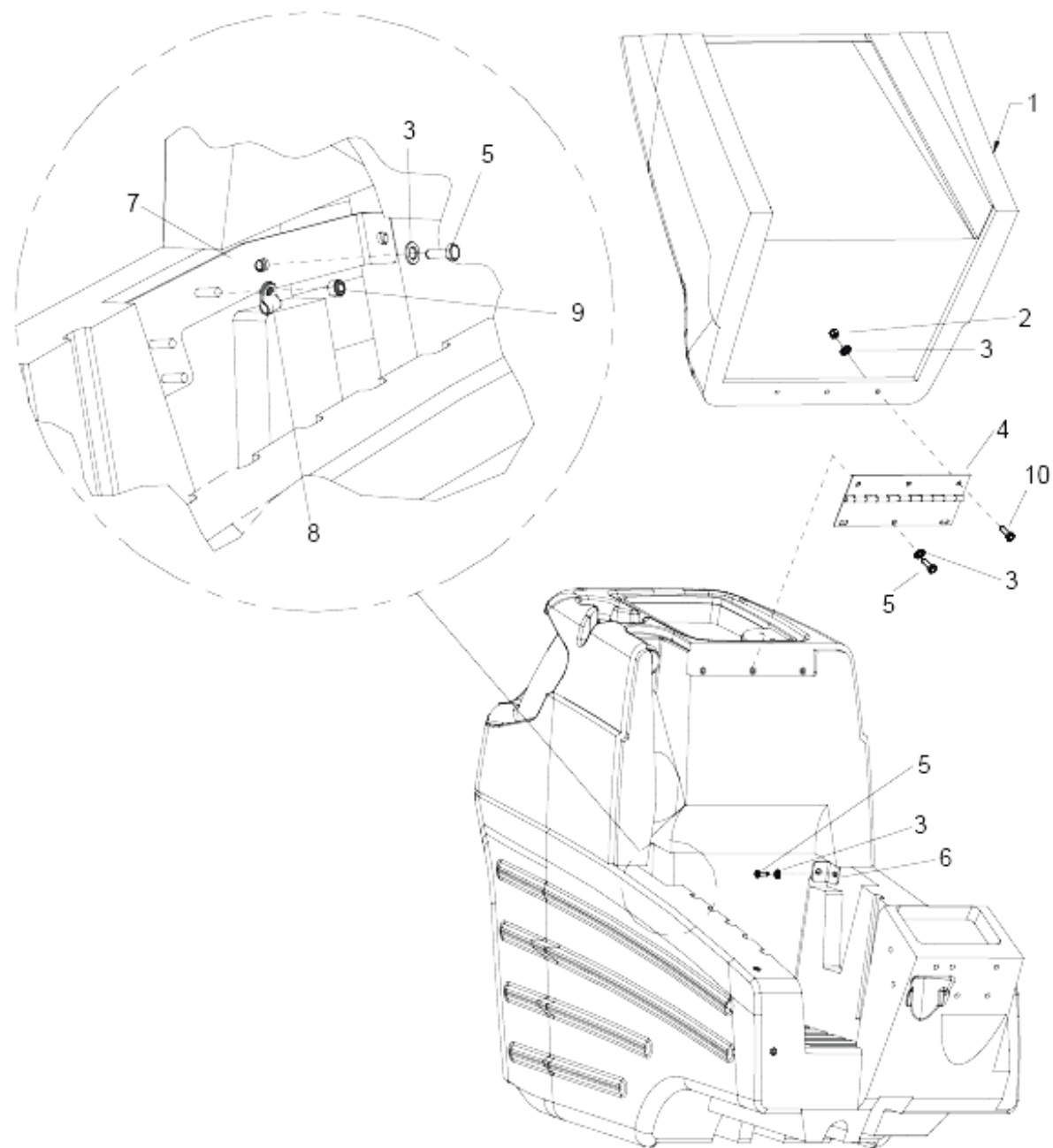
## 9020 CONTROL HANDLE

POS	Article no.	Description	Quantity	Unit
1	8.623-873.0	HANDLE, LEFT	1.000	ST
2	8.625-723.0	Switch SPST MOM NO W/LEVER	2.000	ST
3	8.625-492.0	SPRING, COMP .24ODX1.25X.018	2.000	ST
4	8.633-819.0	BUTTON PROPEL, YLW	2.000	ST
5	8.627-707.0	SCREW, 4-40 X .625 PHPNHMS STL ZNPLT	2.000	ST
6	8.624-099.0	HOUSING, BUTTON	2.000	ST
7	8.627-706.0	SCREW, 8-32 X .875 PHPNHTC	4.000	ST
8	8.627-705.0	SCREW, 5/16-18 X .75 SCHCS SS	4.000	ST
9	8.623-874.0	HANDLE, RIGHT	1.000	ST
10	8.633-886.0	PROPEL HANDLE ASM, LEFT, YLW	1.000	ST
11	8.633-887.0	PROPEL HANDLE ASM, RT, YLW	1.000	ST



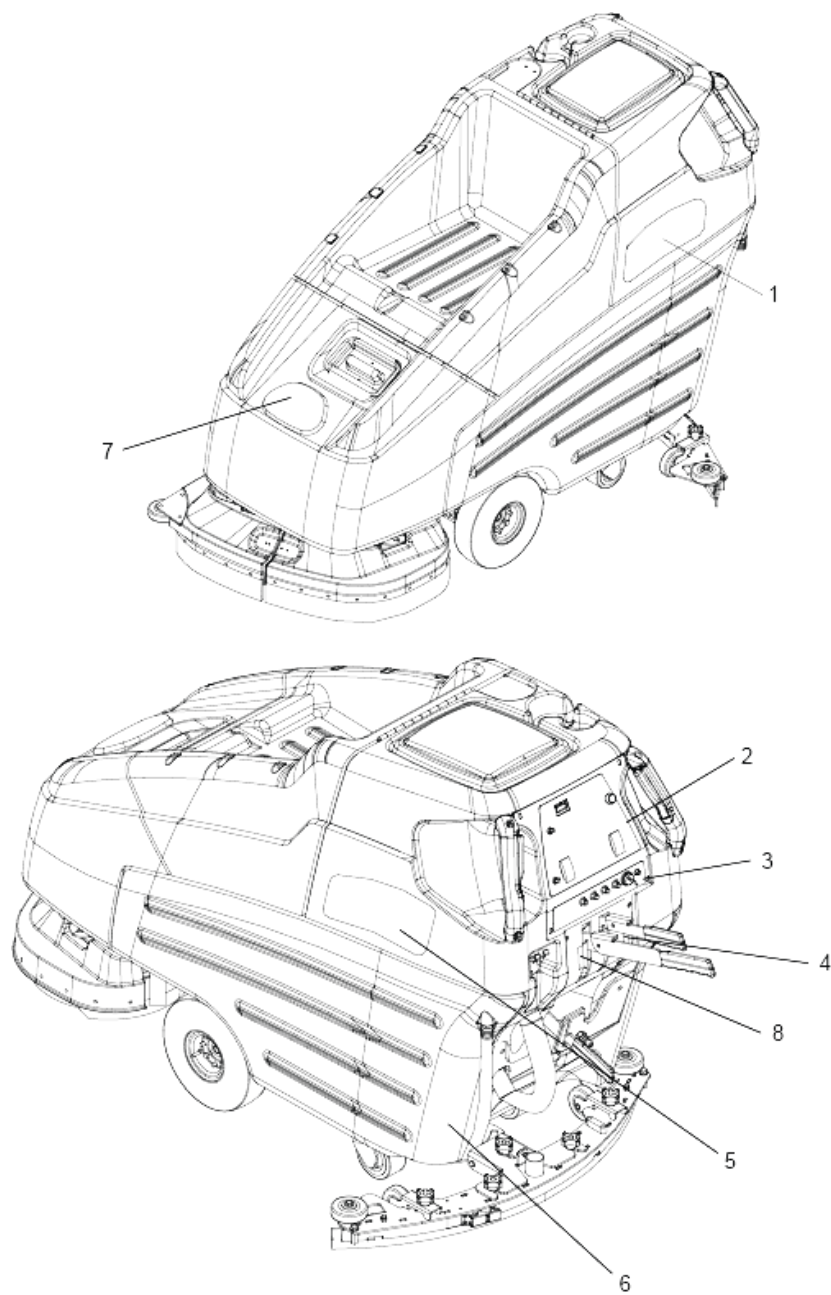
9030 COVER (FRONT) AND TANK MOUNT

POS	Article no.	Description	Quantity	Unit
1	8.607-015.0	BRKT, TANK MOUNT 24V	1.000	ST
2	8.601-067.0	WASHER, 5/16 FLT SS	4.000	ST
3	8.627-649.0	SCREW, 5/16-18 X .625 HHCS SS	4.000	ST
4	8.639-305.0	COVER, FRONT, HD 24V, BLK	1.000	ST
5	8.637-789.0	KNOB, 1.36" DIA X 5/16-18	2.000	ST
6	8.627-638.0	SCREW, 5/16-18 X 1.25 SCHSET CP SS	2.000	ST
7	8.627-808.0	SCREW, 5/16-18 X 1.75 SCHSET CP SS	2.000	ST
8	8.627-184.0	NUT, 5/16-18 HEXTHIN NYLOCK SS	2.000	ST
9	8.601-067.0	WASHER, 5/16 FLT SS	2.000	ST
10	8.606-815.0	BRACKET, TANK SUPPORT	1.000	ST



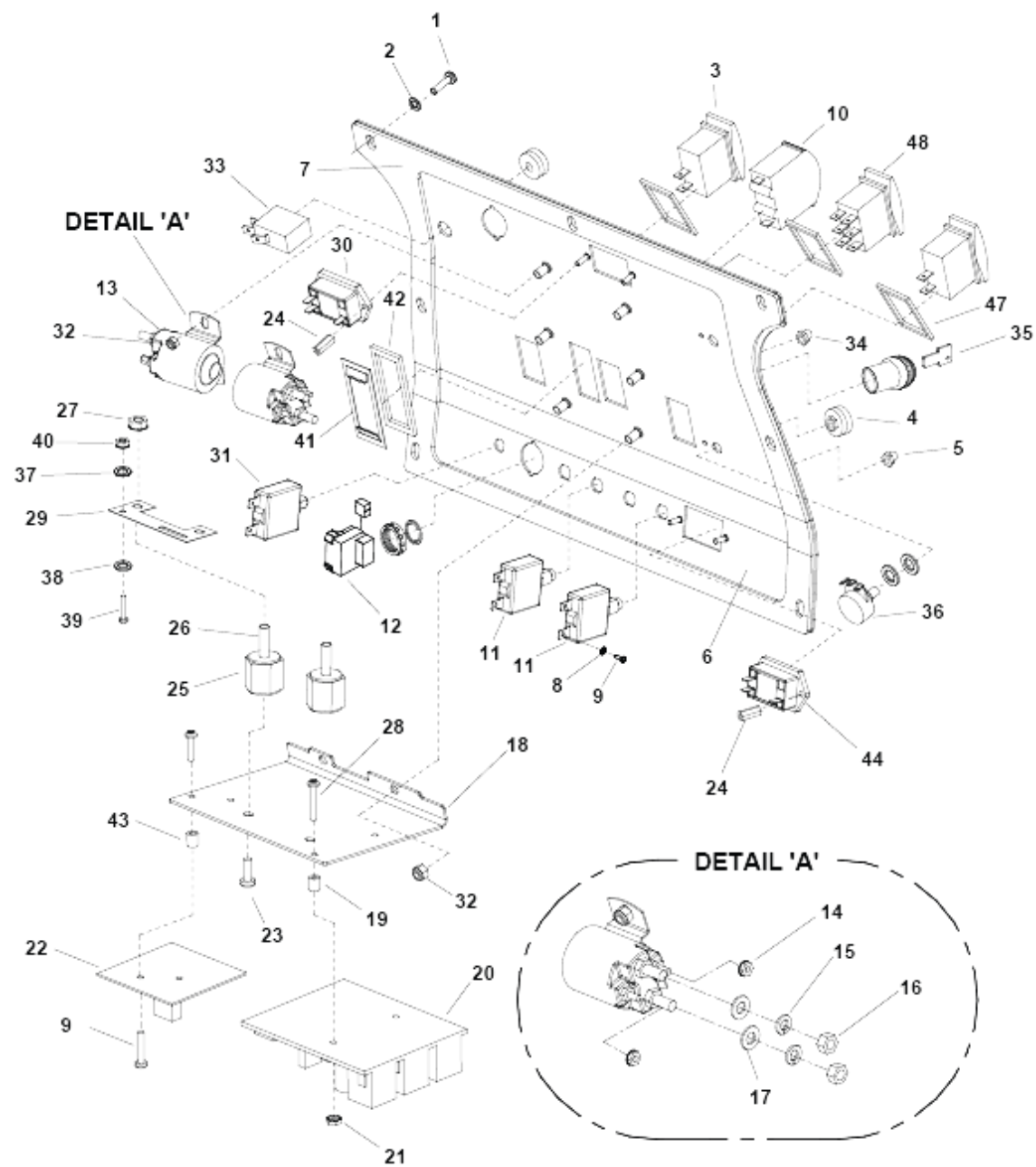
9040 COVER (TOP) AND TANK MOUNT

POS	Article no.	Description	Quantity	Unit	Remark
-	8.629-263.0	NET, CARGO	1.000	ST	NOT SHOWN
1	8.639-303.0	COVER, TOP, HD 24V, MD GRY	1.000	ST	
2	8.627-184.0	NUT, 5/16-18 HEXTHIN NYLOCK SS	3.000	ST	
3	8.601-067.0	WASHER, 5/16 FLT SS	10.000	ST	
4	8.623-963.0	HINGE, COVER TO TANK	1.000	ST	
5	8.627-649.0	SCREW, 5/16-18 X .625 HHCS SS	7.000	ST	
6	8.607-370.0	BRTK, TANK LEFT	1.000	ST	
7	8.606-963.0	BRKT, TANK RIGHT	1.000	ST	
8	8.623-339.0	CLAMP, 7/8 DIA "P~CUSHIONED	1.000	ST	
9	8.627-187.0	NUT, 1/4-20 HEXTHIN NYLOCK SS	1.000	ST	
10	8.627-678.0	SCREW, 5/16-18 X .75 HHCS SS	3.000	ST	



## 9050 DECAL

POS	Article no.	Description	Quantity	Unit
1	8.639-610.0	LABEL, CUTTER RIGHT	1.000	ST
2	8.639-611.0	LABEL, ELEC. PANEL,24V BASIC	1.000	ST
3	8.640-023.0	LABEL, ELEC PANEL LOWER 24V	1.000	ST
4	8.639-681.0	LABEL, SQUEEGEE LEVER	1.000	ST
5	8.639-612.0	LABEL, CUTTER LEFT	1.000	ST
6	8.624-318.0	LABEL,SOLUTION FILL 24V	1.000	ST
7	8.639-540.0	LABEL, WINDSOR LOGO DOMED	1.000	ST
8	8.639-682.0	LABEL, BRUSH LEVER	1.000	ST

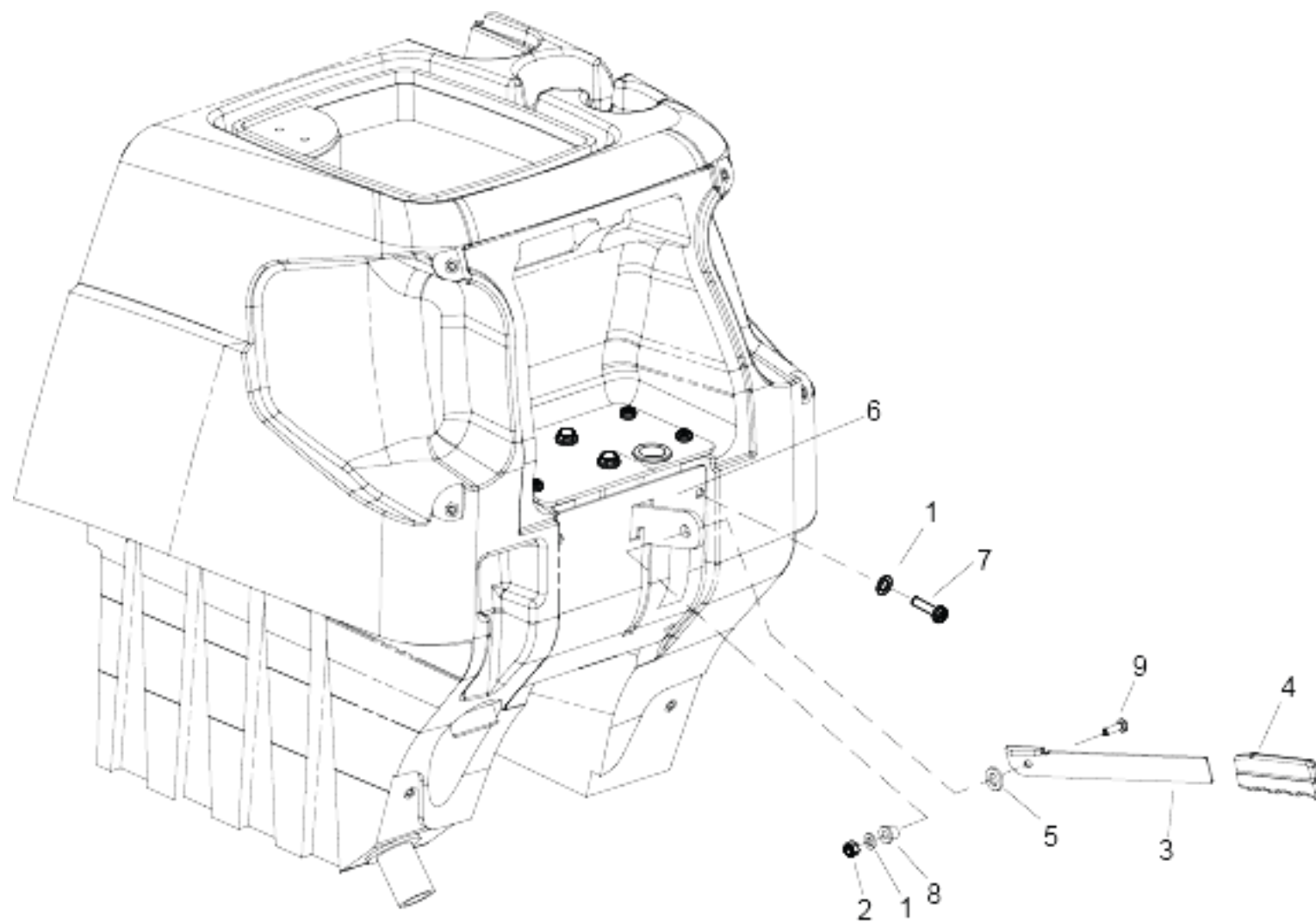


## 9060 ELECTRICAL PANEL

POS	Article no.	Description	Quantity	Unit	Remark
1	8.627-629.0	SCREW, 10 X .75 PPNHMS HI LOW ST BLK ZN	7.000	ST	
2	8.629-425.0	WASHER, .19 X .5 X .09 BLK	7.000	ST	
3	8.600-714.0	Switch SPST 2-POSITION ROCKER	2.000	ST	
4	8.624-211.0	KNOB, .90 OD X .25 COLLET	2.000	ST	
5	8.600-890.0	BOOT, SEAL-PUSH BUTTON 7/16-28	4.000	ST	
6	8.608-218.0	PLATE, ELEC PANEL, 24V DELUXE	1.000	ST	
7	8.623-780.0	GASKET, ELEC PLATE, 24V	1.000	ST	
8	8.627-930.0	WASHER, 6 SPL SS	8.000	ST	
9	8.627-399.0	SCREW, 6-32 X .375 PHPNHMS SS	12.000	ST	
10	8.624-694.0	METER, 0-50 AMP DC	1.000	ST	
11	8.600-191.0	BREAKER, 30A 50VDC CIRCUIT	4.000	ST	
12	8.619-375.0	SW,RTRY NON-ILLUM TM	1.000	ST	OPTIONAL
12	8.600-717.0	Switch KEY TWO POSITION	1.000	ST	
13	8.600-642.0	Relay 24VDC 100A	2.000	ST	
14	8.600-570.0	NUT, 10-32 HEXSTRW LK STL ZNPLT	4.000	ST	
15	8.627-948.0	WASHER, 5/16 X .588 X .028 EXTLK	4.000	ST	
16	8.627-108.0	NUT, 5/16-24 HEX STL GRA ZNPLT	4.000	ST	
17	8.601-076.0	WASHER, .344 X .69 X .07 FLT STL ZNPLT	2.000	ST	
18	8.608-282.0	PLATE, ELECT. PANEL, BACK	1.000	ST	
19	8.625-444.0	WASHER, 8 X .313 X .38 AL	2.000	ST	
20	8.600-295.0	CONTROLLER, 24VDC PROPEL MOTOR	1.000	ST	
21	8.627-085.0	NUT, 8-32 HEX NYLOCK SS	2.000	ST	
22	8.600-325.0	Circuit board SOL FLOAT WIRED	1.000	ST	
23	8.627-688.0	SCREW, 1/4-20 X .375 HHCS SS	2.000	ST	
24	8.625-590.0	STANDOFF, 6-32 X 5/8 HEX NYL	4.000	ST	
25	8.625-591.0	STANDOFF, 1/4-20 X 1.0 HEX INS	2.000	ST	
26	8.600-685.0	SCREW, 1/4-20 X 1.25 SCHSET CP SS	2.000	ST	
27	8.600-571.0	NUT, 1/4-20 HEXSTRW LK STL ZNPLT	2.000	ST	
28	8.627-391.0	SCREW, 8-32 X 1 PHPNHMS SS	2.000	ST	
29	8.625-363.0	SHUNT, DC AMM. 25 AMP, 50MV	1.000	ST	
30	8.600-552.0	METER,24V BATTERY CHARGE LEVEL	1.000	ST	
31	8.600-200.0	BREAKER, 3 AMP 1681-090-300	1.000	ST	
32	8.627-187.0	NUT, 1/4-20 HEXTHIN NYLOCK SS	6.000	ST	

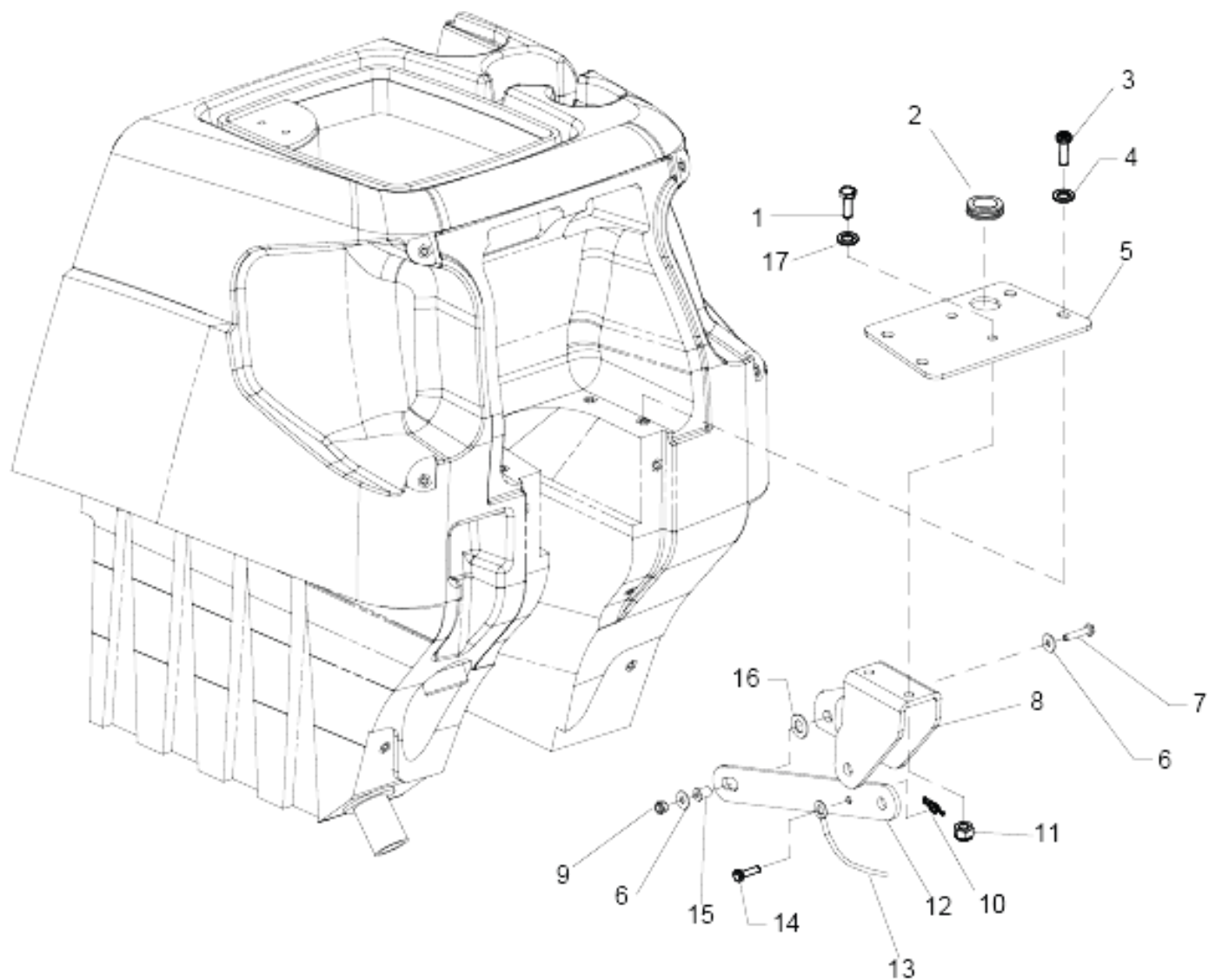
## 9060 ELECTRICAL PANEL

POS	Article no.	Description	Quantity	Unit	Remark
33	8.625-703.0	Switch MOMENTARY, DPST	1.000	ST	
34	8.600-201.0	BOOT, 3/8 CIRCUIT BREAKER	1.000	ST	
35	8.600-486.0	KEY, SWITCH	1.000	ST	SERVICE ONLY
36	8.600-631.0	POTENTIOMETER, 50K OHMS	1.000	ST	SERVICE ONLY
37	8.627-902.0	WASHER, 6 EXTLK SS	2.000	ST	
38	8.627-960.0	WASHER, 6 FLT BRS	2.000	ST	
39	8.627-625.0	SCREW, 6-32 X .375 SLTDPNHMS BRS	2.000	ST	
40	8.627-179.0	NUT, 6-32 HEX BRS	2.000	ST	
41	8.624-929.0	PLATE, METER RETAINING	1.000	ST	
42	8.623-783.0	GASKET, AMP METER	1.000	ST	
43	8.625-589.0	STANDOFF, 6-32 X 1.0 HEX NYL	2.000	ST	
44	8.600-553.0	METER, 12-48 VDC LED HOUR	1.000	ST	
45	8.626-734.0	WIRE, 22" RED/18 76040 X 76075	2.000	ST	NOT SHOWN
46	8.626-736.0	WIRE, 14" BLK/18 76011 X 76040	1.000	ST	NOT SHOWN
47	8.623-803.0	GASKET, SWITCH CARLING	3.000	ST	
48	8.600-721.0	Switch DPDT 3-POSITION ROCKER	1.000	ST	



## 9070 LIFT HANDLE

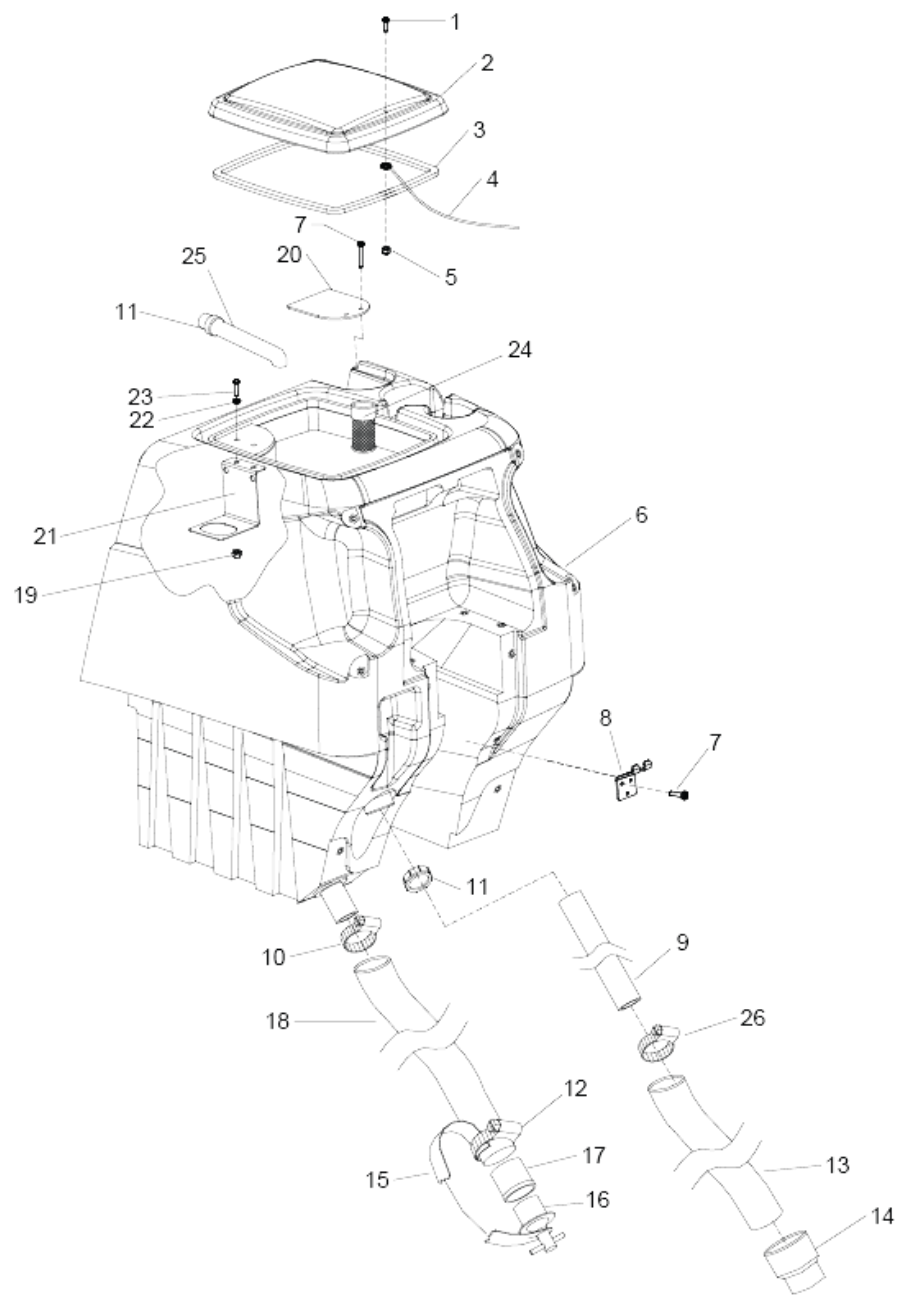
POS	Article no.	Description	Quantity	Unit
1	8.601-067.0	WASHER, 5/16 FLT SS	5.000	ST
2	8.627-184.0	NUT, 5/16-18 HEXTHIN NYLOCK SS	1.000	ST
3	8.606-686.0	BAR, SQG LIFT SWING 36V	1.000	ST
4	8.633-600.0	GRIP, 3/16X 1.0, YLW	1.000	ST
5	8.625-940.0	WASHER, .51 THR	1.000	ST
6	8.608-239.0	PLATE, LEVER NOTCH DELUXE	1.000	ST
7	8.627-649.0	SCREW, 5/16-18 X .625 HHCS SS	4.000	ST
8	8.622-884.0	BUSHING, .314 X .502 X .5 FLG	1.000	ST
9	8.600-693.0	SCREW, 5/16-18 X 1 SCHBTNHCS SS	1.000	ST



SEE SERIAL NUMBER REFERENCE IN OPERATOR'S MANUAL

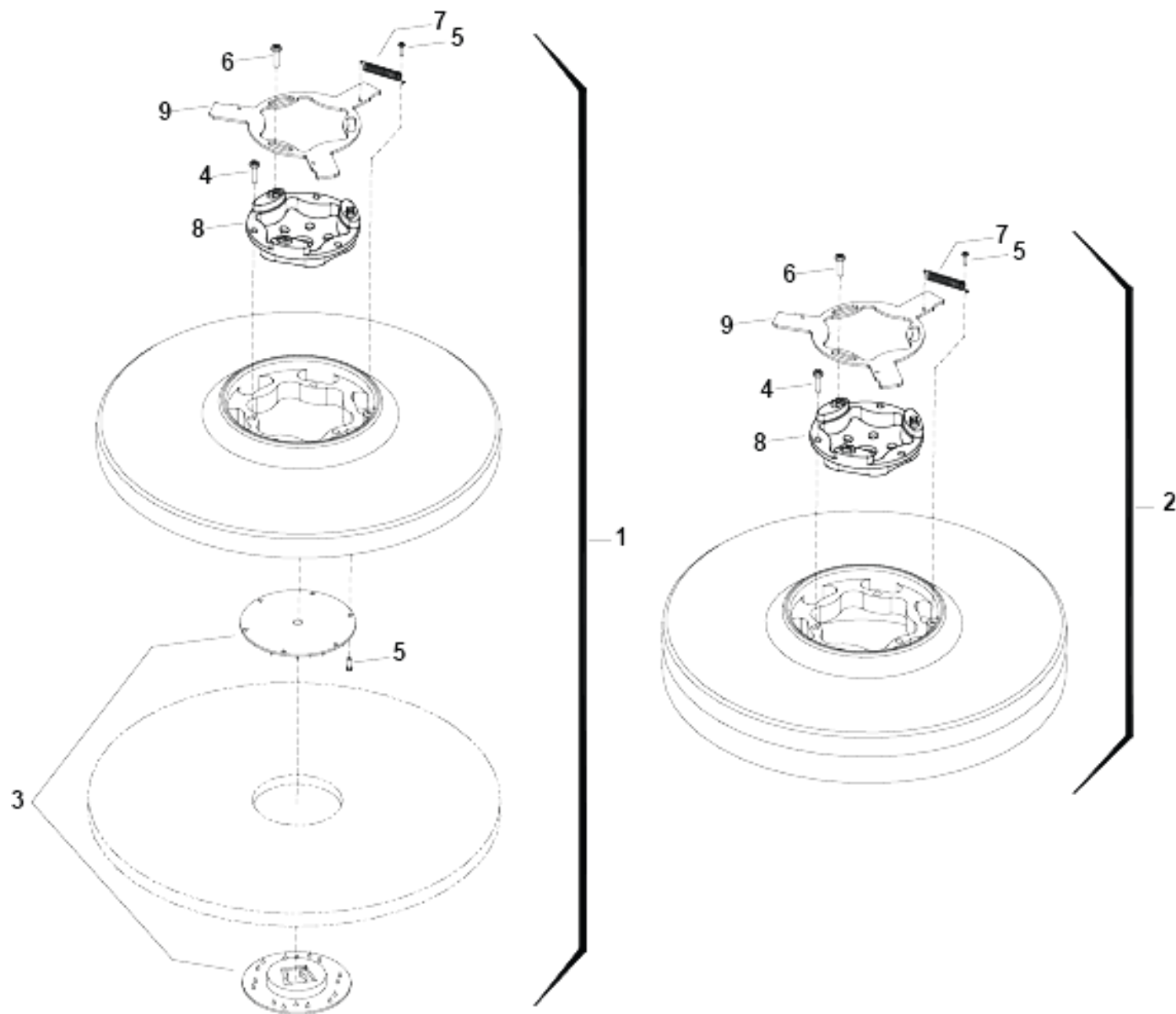
## 9080 LIFT HANDLE LINKAGE

POS	Article no.	Description	Quantity	Unit
1	8.627-692.0	SCREW, 3/8-16 X 1 HHCS SS NP	2.000	ST
2	8.623-843.0	GROMMET 1.00 ID 3/16 GRIP	1.000	ST
3	8.627-649.0	SCREW, 5/16-18 X .625 HHCS SS	4.000	ST
4	8.601-067.0	WASHER, 5/16 FLT SS	4.000	ST
5	8.608-227.0	PLATE, PIVOT	1.000	ST
6	8.601-063.0	WASHER, 1/4 SS	2.000	ST
7	8.627-382.0	SCREW, 1/4-20 X 1.25 HHMS SS	1.000	ST
8	8.606-961.0	BRKT, SCRUB DECK PIVOT 24V	1.000	ST
9	8.627-187.0	NUT, 1/4-20 HEXTHIN NYLOCK SS	1.000	ST
10	8.600-865.0	PIN, COTTER RING 1/4 X .041 X .844	1.000	ST
11	8.600-563.0	NUT, 3/8-16 HEXTHIN NYLOCK SS	2.000	ST
12	8.607-748.0	LINK, SQG LIFT FIXED	1.000	ST
13	8.600-324.0	Cable .125X26.5,0707,SS,LB,E-E	1.000	ST
14	8.600-956.0	PIN, CLEVIS 1/4 X .625 STL ZNPLT	1.000	ST
15	8.622-890.0	BUSHING, .252 X .503 X .75 FLG	1.000	ST
16	8.625-940.0	WASHER, .51 THR	1.000	ST
17	8.627-891.0	WASHER, 3/8 SS	2.000	ST



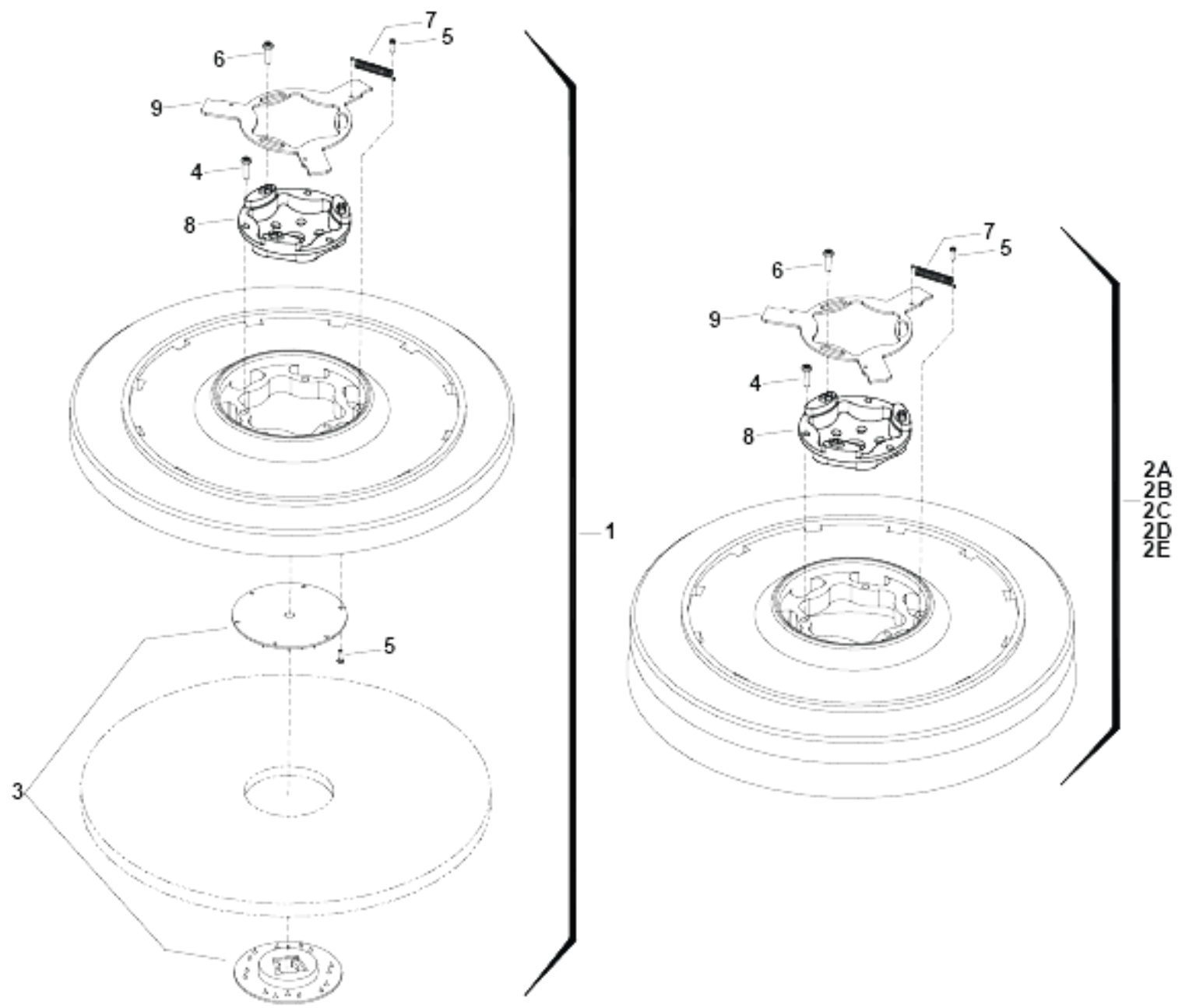
## 9090 RECOVERY TANK

POS	Article no.	Description	Quantity	Unit
1	8.627-422.0	SCREW, 6-32 X .625 PHPNHMS SS	1.000	ST
2	8.600-334.0	DOME, 13 X 11	1.000	ST
3	8.600-399.0	GASKET, DOME	1.000	ST
4	8.624-608.0	LANYARD, 18.0 W/LOOP & EYE	1.000	ST
5	8.601-481.0	NUT, 6-32 ACORN SS	1.000	ST
6	8.639-299.0	TANK, REC, HD 24V, MD GRY	1.000	ST
7	8.627-629.0	SCREW, 10 X .75 PPNHMS HI LOW ST BLK ZN	5.000	ST
8	8.600-119.0	BRKT, RECOVERY HOSE MTG	1.000	ST
9	8.608-963.0	TUBE, 1.5 PVC X 24.0	1.000	ST
10	8.623-314.0	CLAMP, 2.0" WORM GEAR	2.000	ST
11	8.600-566.0	X-REF TO 8.637-208.0	2.000	ST
12	8.600-240.0	Clamp 2.0" WORM GEAR X .312W	1.000	ST
13	8.600-418.0	Hose 1.5 BLK VAC X 28"	1.000	ST
14	8.600-284.0	CUFF, 1.5 SLIP X 1.5 HOSE	1.000	ST
15	8.600-840.0	TETHER, DRAIN PLUG	1.000	ST
16	8.600-624.0	Plug DRAIN HOSE	1.000	ST
17	8.638-605.0	HOSEBARB, 1.5 IN COUPLER, TRIM	1.000	ST
18	8.600-426.0	Hose 1.5 X 24.0 DRAIN	1.000	ST
19	8.627-187.0	NUT, 1/4-20 HEXTHIN NYLOCK SS	2.000	ST
20	8.607-554.0	COVER, VACUUM HOSE	1.000	ST
21	8.606-978.0	BRKT, VAC INTAKE	1.000	ST
22	8.601-063.0	WASHER, 1/4 SS	2.000	ST
23	8.627-381.0	SCREW, 1/4-20 X 1 HHCS SS	2.000	ST
24	8.623-641.0	Float VAC SHUT OFF	1.000	ST
25	8.625-786.0	TUBE, 1.5 WASTE	1.000	ST



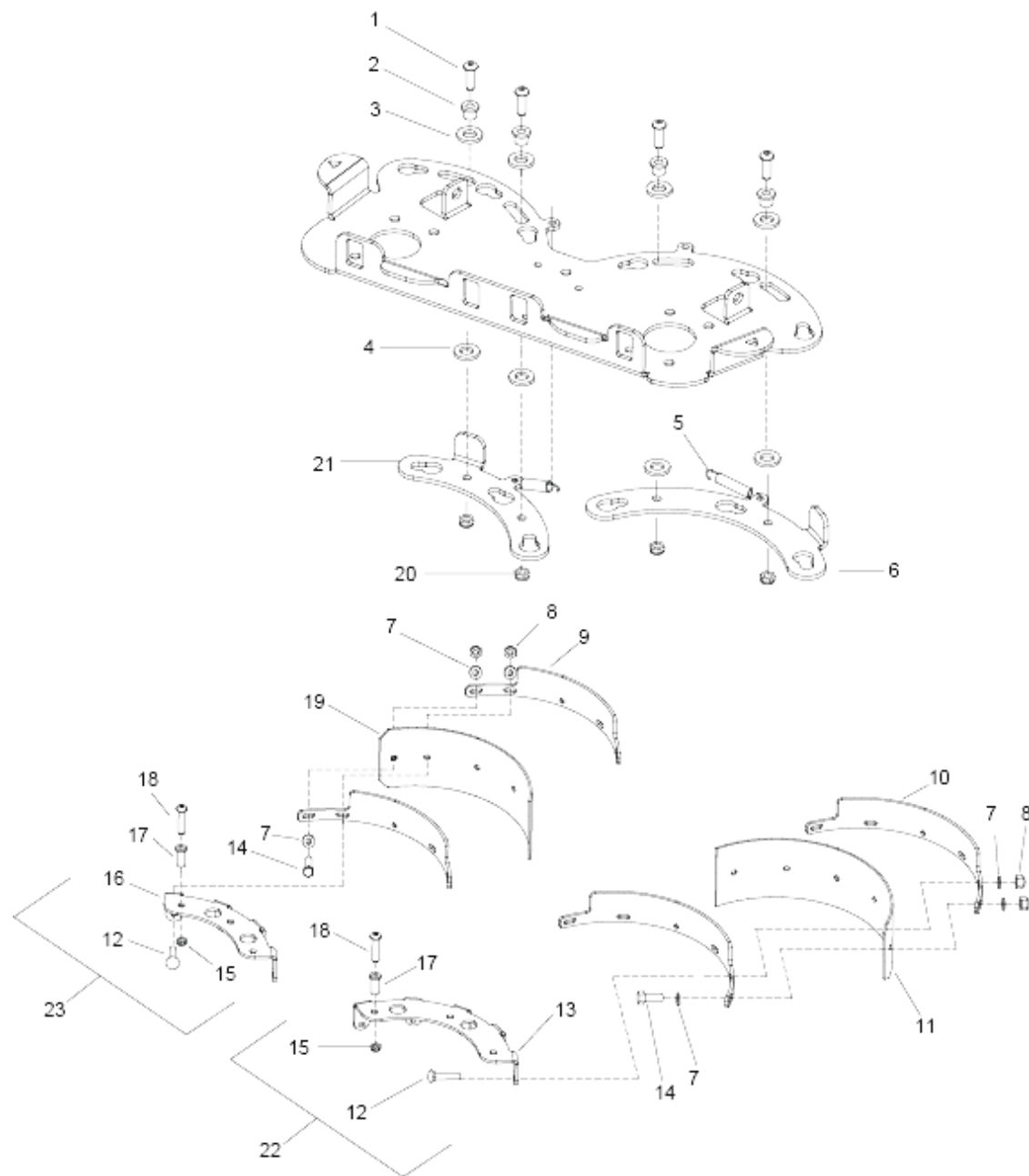
9100 SCRUB BRUSH-PAD DRIVER - 26IN DISK

POS	Article no.	Description	Quantity	Unit
1	8.600-021.0	PAD DRIVER, 13" SD	2.000	ST
2	8.600-024.0	Brush 13" MILD GRIT SD U19982	2.000	ST
2	8.600-023.0	BRUSH, 13" NYLON SD U19981	2.000	ST
2	8.600-022.0	BRUSH, 13" POLY SD U19980	2.000	ST
3	8.600-507.0	Lock PAD CENTER SNAP,TWO STEP	1.000	ST
4	8.627-659.0	SCREW, 12-11 X 1 PHPNHMS SS TYPEA	3.000	ST
5	8.627-658.0	SCREW, 8-32 X .75 PHPNHMS SS	4.000	ST
6	8.627-660.0	SCREW, 10-12 X .75 PHTRHSMS SS TYPEA	3.000	ST
7	8.600-791.0	Spring EXT .31D X 2.0L X .03W	1.000	ST
8	8.600-728.0	SOCKET, DRIVE BRUSH	1.000	ST
9	8.600-594.0	Plate BRUSH RELEASE	1.000	ST



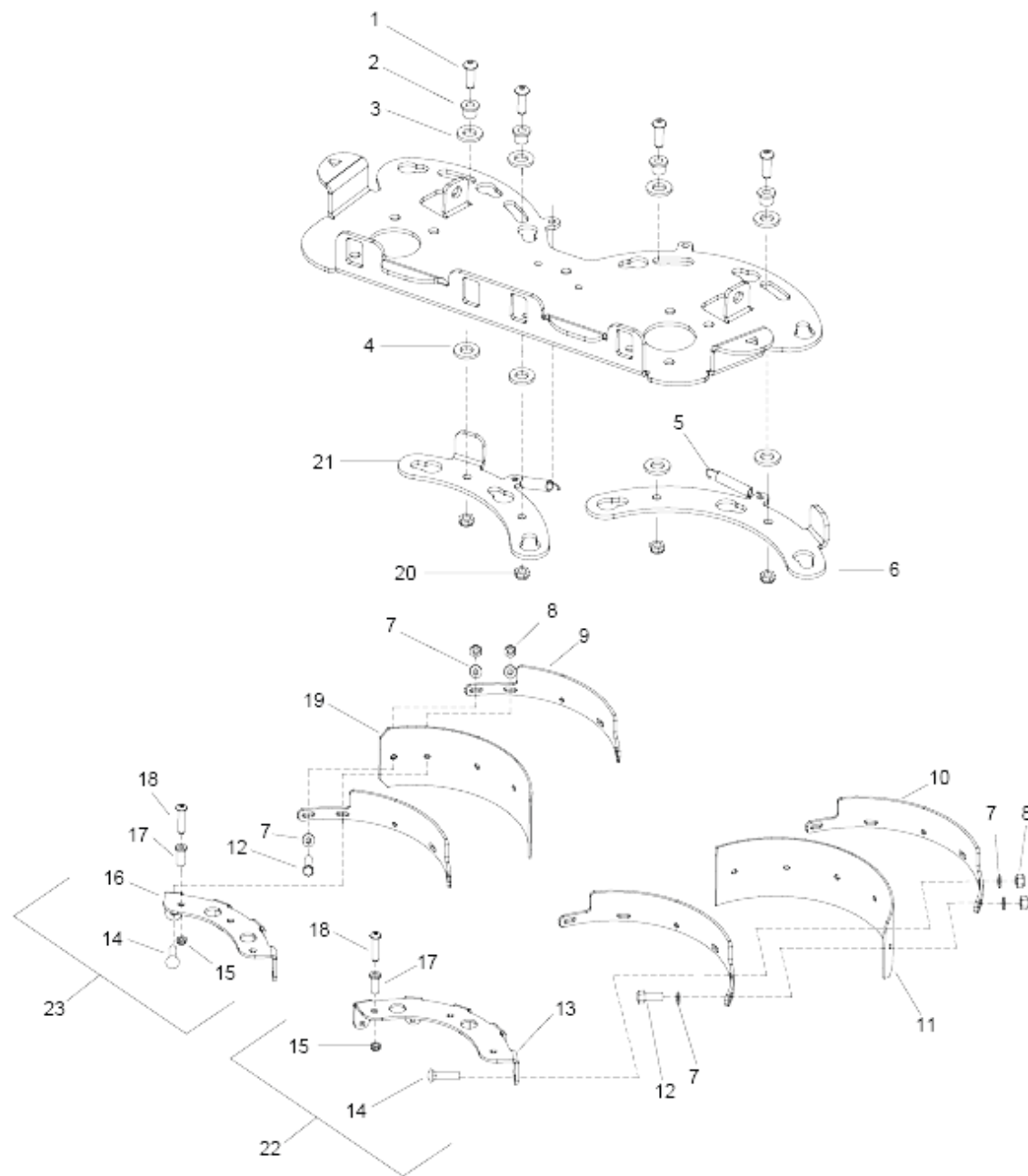
9110 SCRUB BRUSH & PAD DRIVER

POS	Article no.	Description	Quantity	Unit
1	8.600-029.0	PAD DRIVER, 16" SD	2.000	ST
2	8.600-034.0	Brush 16" SUPER AGGRESSIVE SD	2.000	ST
2	8.600-033.0	Brush 16" MILD GRIT SD	2.000	ST
2	8.600-031.0	Brush 16" NYLON SD	2.000	ST
2	8.600-030.0	Brush 16" POLYPROPYLENE SD	2.000	ST
2	8.600-032.0	Brush 16" NYLON POLISH SD	2.000	ST
3	8.600-507.0	Lock PAD CENTER SNAP,TWO STEP	1.000	ST
4	8.627-659.0	SCREW, 12-11 X 1 PHPNHMS SS TYPEA	3.000	ST
5	8.627-658.0	SCREW, 8-32 X .75 PHPNHMS SS	4.000	ST
6	8.627-660.0	SCREW, 10-12 X .75 PHTRHMS SS TYPEA	3.000	ST
7	8.600-791.0	Spring EXT .31D X 2.0L X .03W	1.000	ST
8	8.600-728.0	SOCKET, DRIVE BRUSH	1.000	ST
9	8.600-594.0	Plate BRUSH RELEASE	1.000	ST



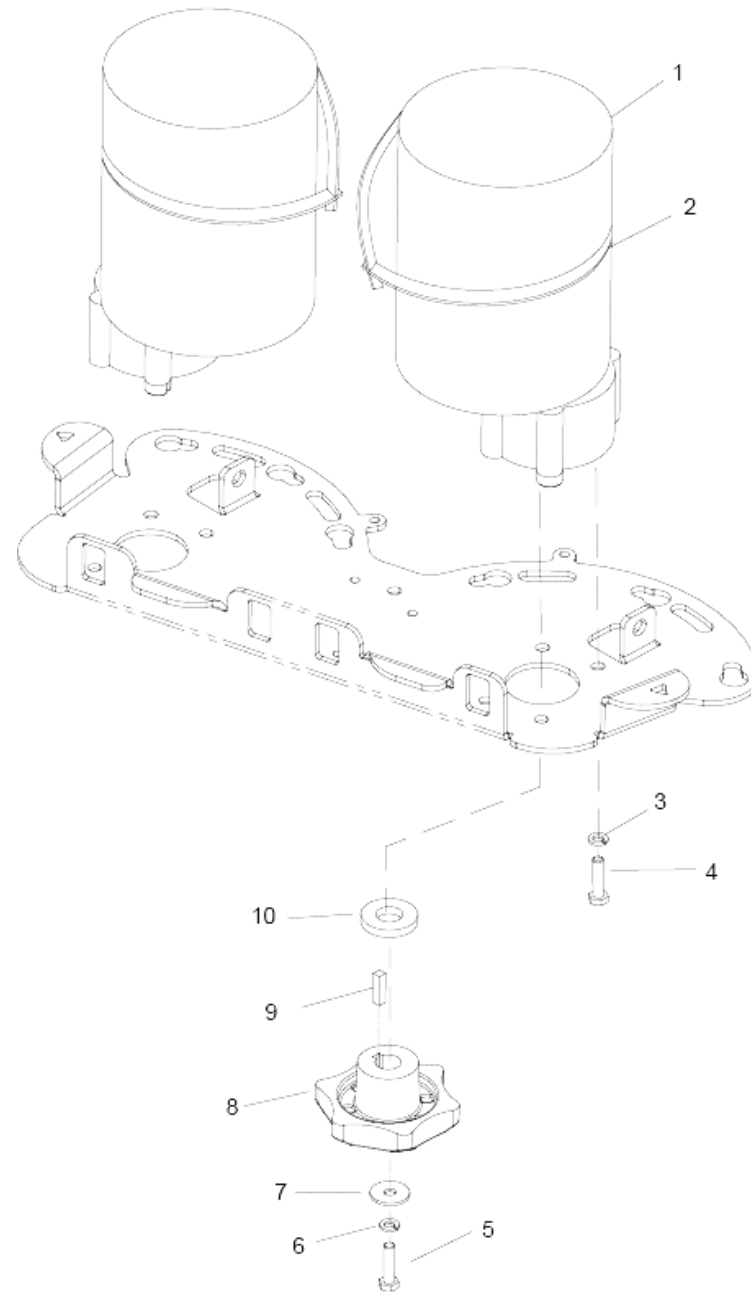
9120 SCRUB DECK AQUA-MIZER™ - 26IN SCRUBHEAD

POS	Article no.	Description	Quantity	Unit
1	8.600-693.0	SCREW, 5/16-18 X 1 SCHBTNHCS SS	4.000	ST
2	8.622-884.0	BUSHING, .314 X .502 X .5 FLG	4.000	ST
3	8.625-942.0	WASHER, .510 X 1 THR	4.000	ST
4	8.625-940.0	WASHER, .51 THR	4.000	ST
5	8.625-506.0	SPRING, EXT .43D X2.50L X.047W	2.000	ST
6	8.608-237.0	PLATE, AQ LOCK L 13 IN	1.000	ST
7	8.601-063.0	WASHER, 1/4 SS	13.000	ST
8	8.627-187.0	NUT, 1/4-20 HEXTHIN NYLOCK SS	11.000	ST
9	8.625-599.0	STRAP, AQ BACK R13 IN	2.000	ST
10	8.625-600.0	STRAP, AQ BACK L 13 IN	2.000	ST
11	8.613-515.0	BLADE, 13IN LT URETHANE	1.000	ST
11	8.600-141.0	BLADE, 13 IN LEFT	1.000	ST
12	8.627-696.0	SCREW, 1/4-20 X 1 CARR SS	9.000	ST
13	8.624-953.0	PLATE, AQ ATTACH L 13"	1.000	ST
14	8.627-381.0	SCREW, 1/4-20 X 1 HHCS SS	2.000	ST
15	8.600-563.0	NUT, 3/8-16 HEXTHIN NYLOCK SS	6.000	ST
16	8.624-954.0	PLATE, AQ ATTACH R 13"	1.000	ST
17	8.622-891.0	BUSHING, .377 X .502 X 1.25 FLG BRZ	6.000	ST
18	8.627-686.0	SCREW, 3/8-16 X 1.75 SCHBTNHCS SS	6.000	ST
19	8.613-514.0	BLADE, 13IN RT URETHANE	1.000	ST
19	8.600-140.0	BLADE, 13IN RIGHT	1.000	ST
20	8.627-184.0	NUT, 5/16-18 HEXTHIN NYLOCK SS	4.000	ST
21	8.608-238.0	PLATE, AQ LOCK R 13 IN	1.000	ST
22	8.602-497.0	AQUA-MIZER 26 IN SCRUBHEAD LT	1.000	ST
23	8.602-498.0	AQUA-MIZER 26 IN SCRUBHEAD RT	1.000	ST



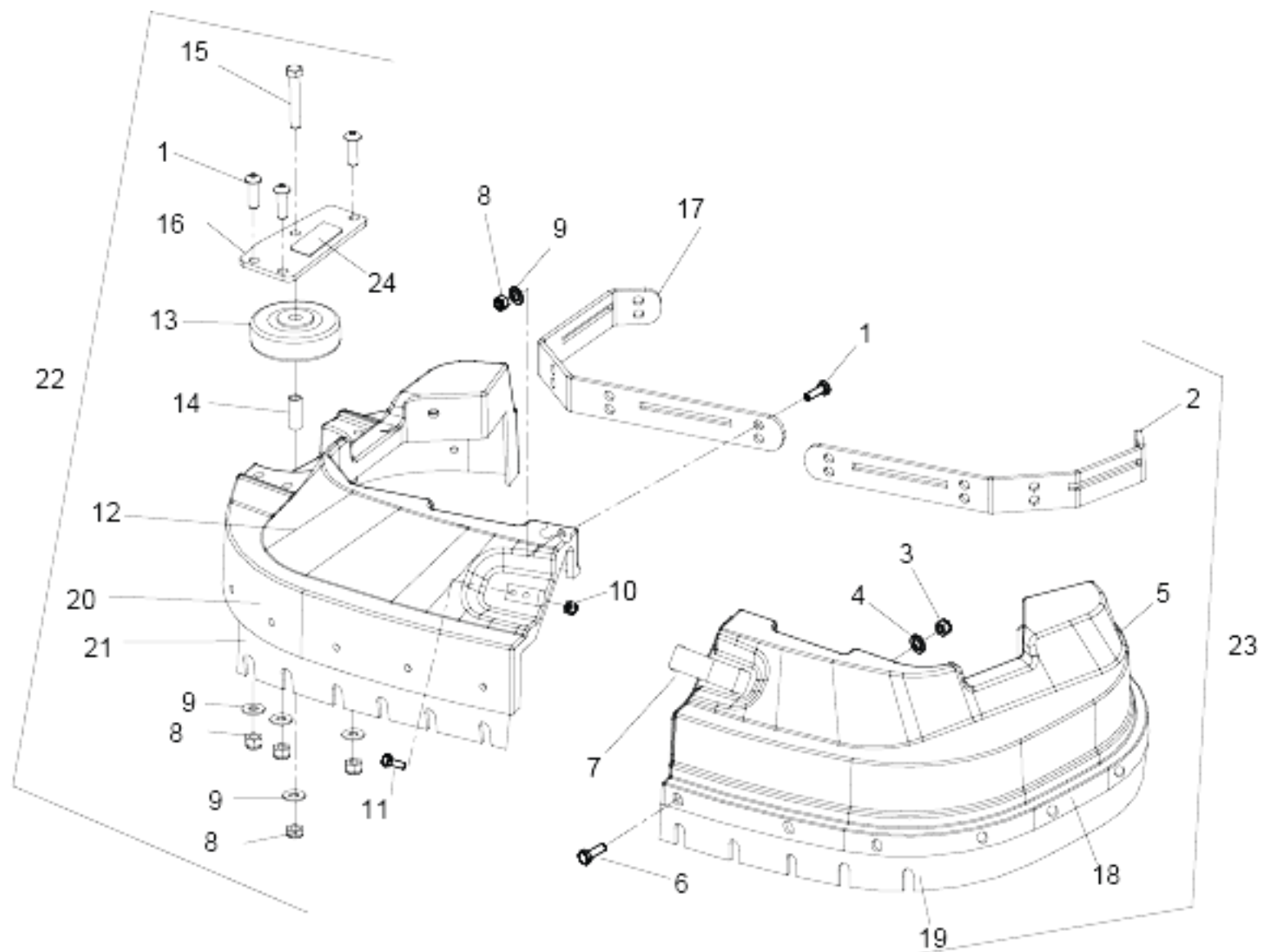
9130 SCRUB DECK AQUA-MIZER™ - 32IN SCRUBHEAD

POS	Article no.	Description	Quantity	Unit
1	8.600-693.0	SCREW, 5/16-18 X 1 SCHBTNHCS SS	4.000	ST
2	8.622-884.0	BUSHING, .314 X .502 X .5 FLG	4.000	ST
3	8.625-942.0	WASHER, .510 X 1 THR	4.000	ST
4	8.625-940.0	WASHER, .51 THR	4.000	ST
5	8.625-506.0	SPRING, EXT .43D X2.50L X.047W	2.000	ST
6	8.624-959.0	PLATE, AQ LOCK LEFT 16 IN	1.000	ST
7	8.601-063.0	WASHER, 1/4 SS	13.000	ST
8	8.627-187.0	NUT, 1/4-20 HEXTHIN NYLOCK SS	11.000	ST
9	8.625-602.0	STRAP, AQ, BACK, R 16 INCH	2.000	ST
10	8.625-601.0	STRAP, AQBACK, L 16 INCH	2.000	ST
11A	8.600-143.0	Blade AQ LEFT 16 INCH	1.000	ST
11B	8.613-516.0	BLADE, AQ LT 16 INCH URETHANE	1.000	ST
12	8.627-381.0	SCREW, 1/4-20 X 1 HHCS SS	2.000	ST
13	8.608-287.0	PLATE, AQ ATTACH L, 16"	1.000	ST
14	8.627-696.0	SCREW, 1/4-20 X 1 CARR SS	9.000	ST
15	8.600-563.0	NUT, 3/8-16 HEXTHIN NYLOCK SS	6.000	ST
16	8.608-288.0	PLATE, AQ, ATTACH R 16IN	1.000	ST
17	8.622-891.0	BUSHING, .377 X .502 X 1.25 FLG BRZ	6.000	ST
18	8.627-686.0	SCREW, 3/8-16 X 1.75 SCHBTNHCS SS	6.000	ST
19A	8.600-142.0	Blade AQ RIGHT 16 INCH	1.000	ST
19B	8.613-517.0	BLADE, AQ RT 16 INCH URETHANE	1.000	ST
20	8.627-184.0	NUT, 5/16-18 HEXTHIN NYLOCK SS	4.000	ST
21	8.624-960.0	PLATE, AQ LOCK RIGHT 16 IN	1.000	ST
22	8.602-496.0	AQUA-MIZER 32 IN SCRUBHEAD LT	1.000	ST
23	8.600-470.0	AQUA-MIZER 32IN SCRUBHEAD RT	1.000	ST



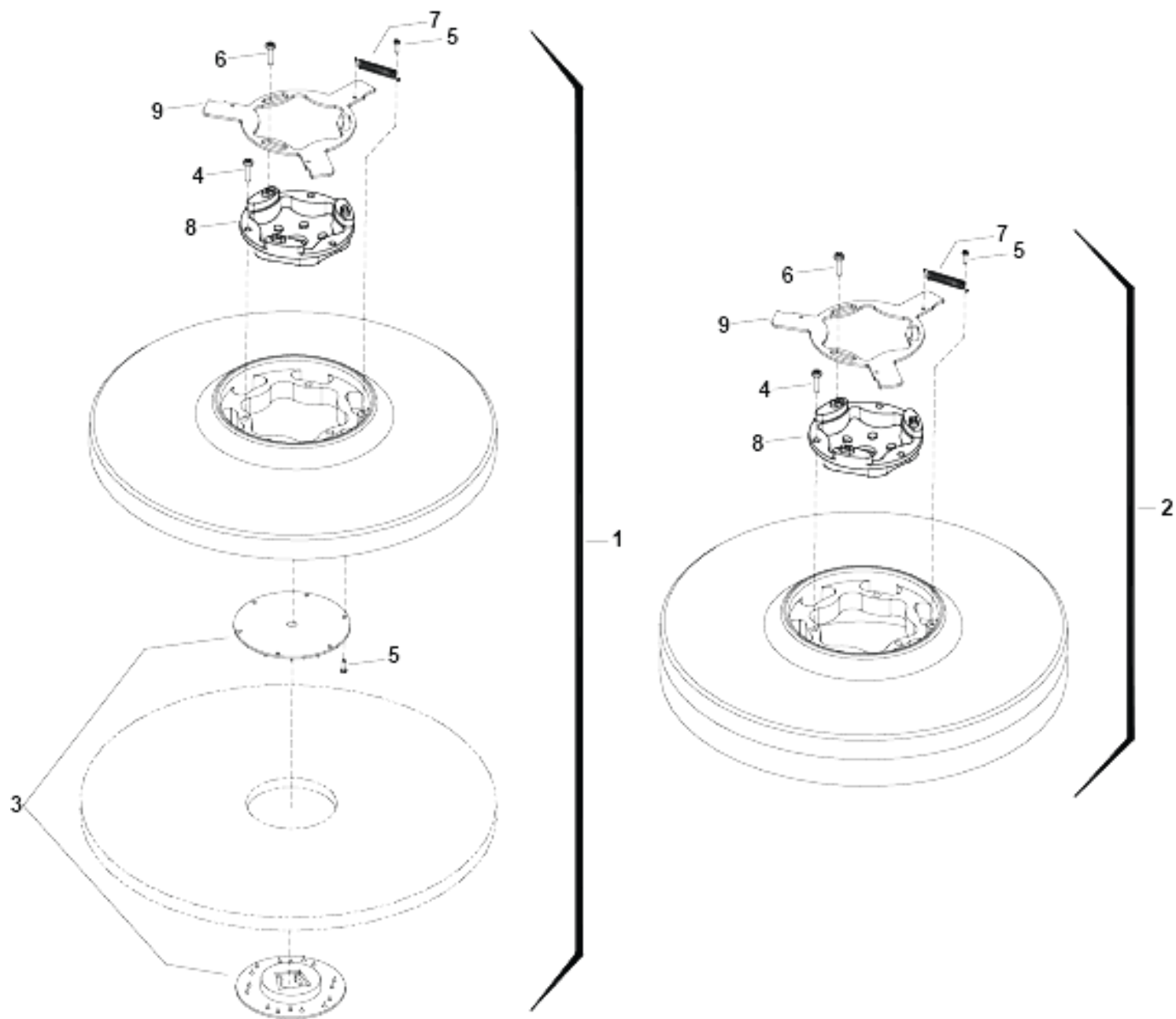
## 9140 SCRUB DECK MOTORS

POS	Article no.	Description	Quantity	Unit	Remark
-	8.600-136.0	BRUSH SET, CCL MOTORS (4)	1.000	ST	
1	8.600-532.0	MOTOR ASM, 24VDC 200RPM GEAR	2.000	ST	
2	8.600-283.0	Cable tie .375 X 24.7	2.000	ST	
3	8.601-079.0	WASHER, 3/8 SPL STL ZNPLT	8.000	ST	
4	8.627-697.0	SCREW, 3/8-16 X .75 HHCS SS	8.000	ST	
5	8.600-702.0	SCREW, 5/16-18 X 1.25 HHCS SS NP	2.000	ST	
6	8.627-913.0	WASHER, 5/16 SPLT STL ZNPLT	2.000	ST	
7	8.627-963.0	WASHER, 5/16 X 1.13 X .09 FLT	2.000	ST	
8	8.600-342.0	DRIVER, BRUSH SD	2.000	ST	
9	8.600-481.0	KEY, 1/4 X 1/4 X 1 LCSTL	2.000	ST	SUPPLIED W/ MOTOR
10	8.627-964.0	WASHER, .781 X 1.63 X .25 FLT STL ZNPLT	2.000	ST	



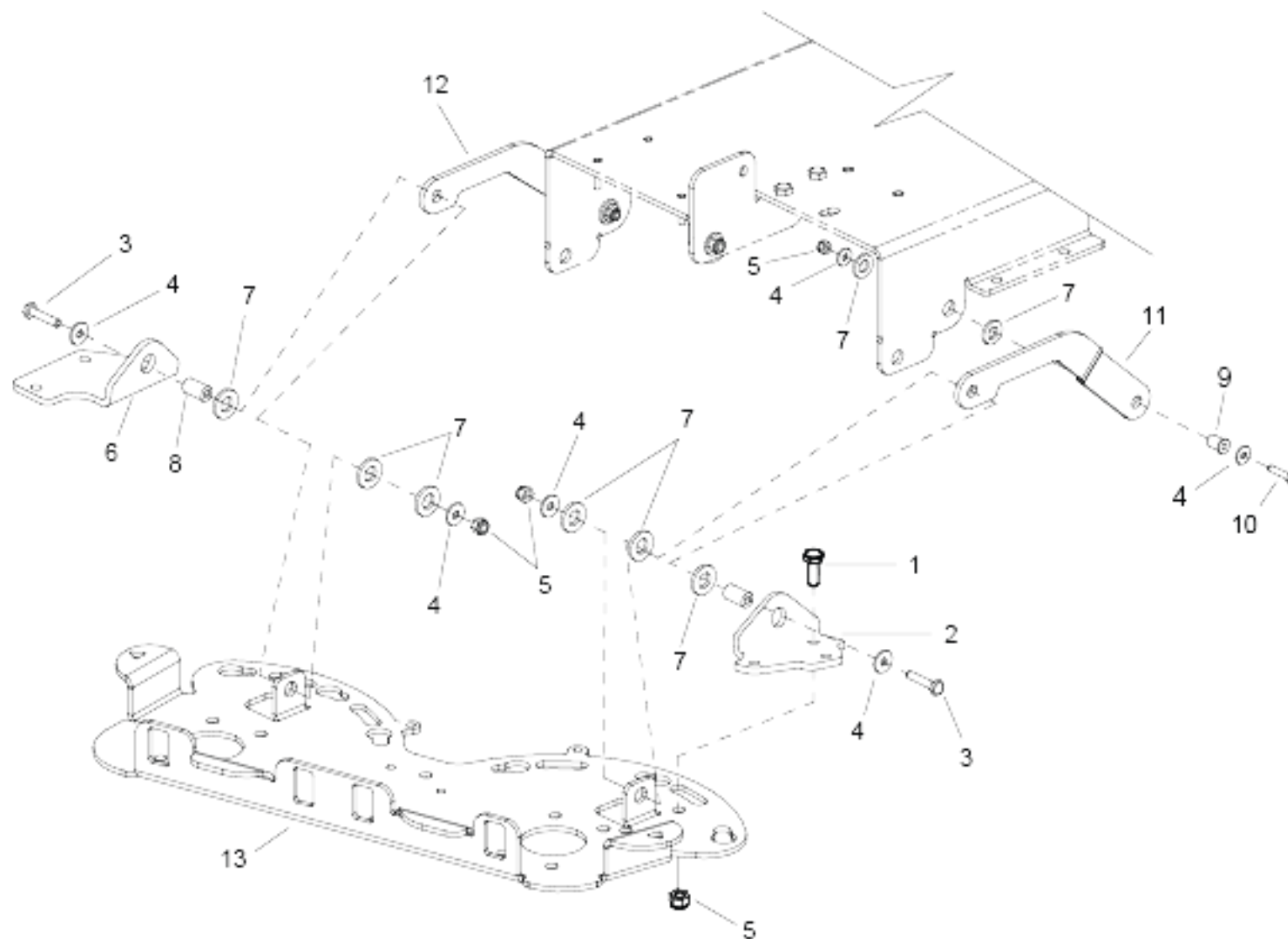
## 9150 SCRUB DECK SKIRT

POS	Article no.	Description	Quantity	Unit
1	8.629-004.0	SCREW, 5/16-18 X .75 SCHBTNHCS SS	11.000	ST
2	8.606-965.0	BRKT, SHROUD LEFT	1.000	ST
3	8.627-190.0	NUT, 10-24 HEXTHIN NYLOCK SS	19.000	ST
4	8.601-065.0	WASHER, .203 X .562 X .040 FLT	19.000	ST
5	8.606-294.0	SHROUD SCRUBDECK 26IN LFT	1.000	ST
6	8.627-711.0	SCREW, 10-24 X .75 PHPNHMS SS	19.000	ST
7	8.616-180.0	LATCH & CONCEALED KEEPER	1.000	ST
8	8.627-184.0	NUT, 5/16-18 HEXTHIN NYLOCK SS	10.000	ST
9	8.629-250.0	WASHER, 5/16 X .562 X .063 SS	10.000	ST
10	8.627-092.0	NUT, 6-32 HEX NYLOCK SS	4.000	ST
11	8.627-395.0	SCREW, 6-32 X .5 PHPNHMS SS	4.000	ST
12	8.606-295.0	SHROUD, SCRUB DECK 26IN RIGHT	1.000	ST
13	8.601-102.0	Wheel 3" DIA CUSHION RUBBER	1.000	ST
14	8.600-135.0	BUSHING, SPANNER .435 X 1.10	1.000	ST
15	8.627-715.0	SCREW, 5/16-18 X 2 SCHBTNHCS SS	1.000	ST
16	8.608-295.0	PLATE, BUMPER WHEEL ATTACH	1.000	ST
17	8.606-964.0	BRKT, SHROUD RIGHT	1.000	ST
18	8.606-638.0	BAND, SHROUD SKIRT LEFT	1.000	ST
19	8.600-744.0	SKIRT, 26INCH, LEFT	1.000	ST
20	8.606-639.0	BAND, SHROUD SKIRT RIGHT	1.000	ST
21	8.600-745.0	SKIRT, 26INCH, RIGHT	1.000	ST
22	8.600-473.0	SHROUD ASM 26" RIGHT SCRUBHEAD	1.000	ST
23	8.600-474.0	SHROUD ASM 26" LEFT SCRUBHEAD	1.000	ST
24	8.624-410.0	LABEL, AQUA-MIZER	1.000	ST



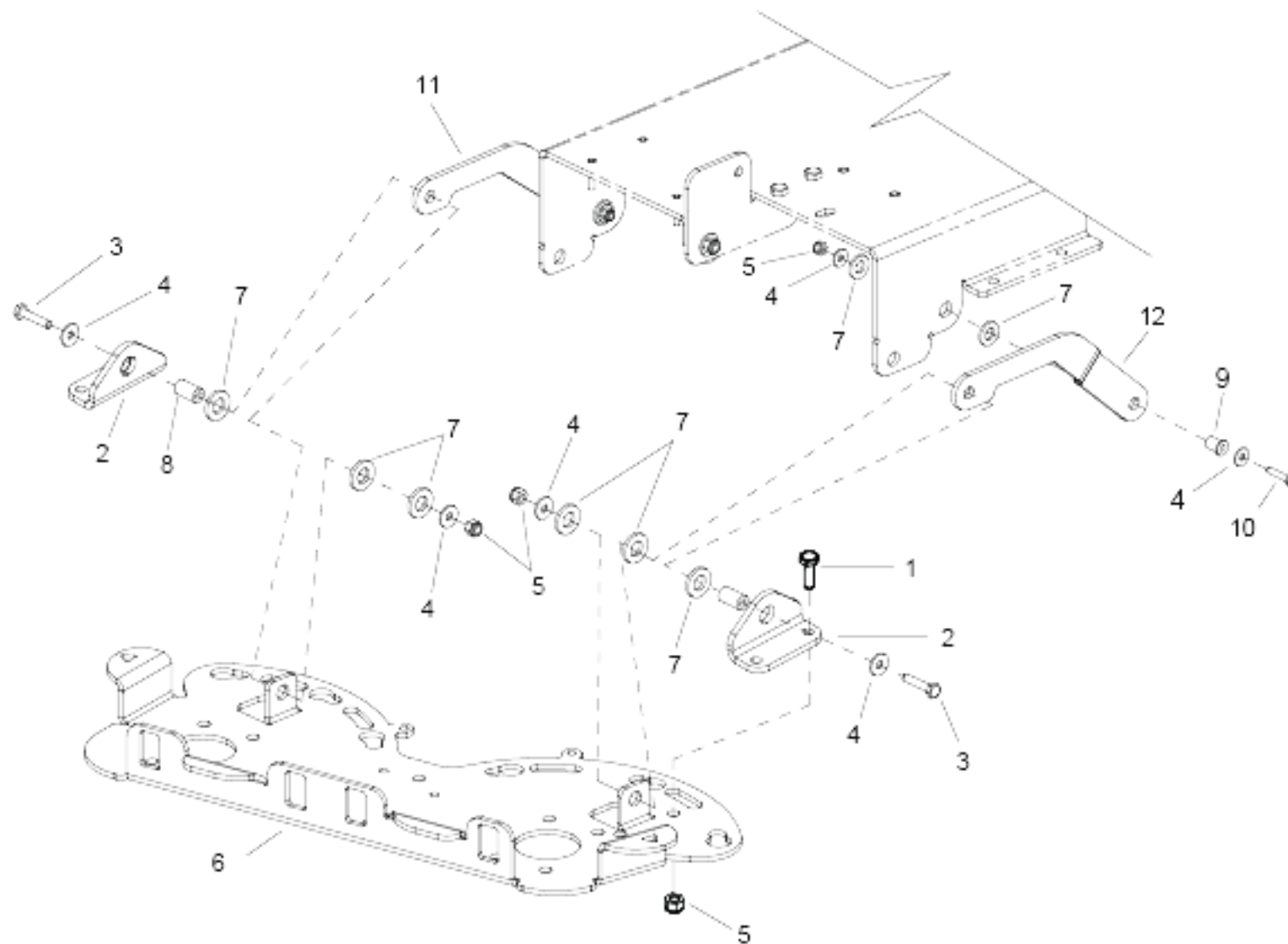
9160 SCRUB DECK SKIRT - 32 IN SCRUBHEAD

POS	Article no.	Description	Quantity	Unit
1	8.629-004.0	SCREW, 5/16-18 X .75 SCHBTNHCS SS	10.000	ST
2	8.607-005.0	BRKT, SHROUD RETAINER LEFT	1.000	ST
3	8.627-190.0	NUT, 10-24 HEXTHIN NYLOCK SS	23.000	ST
4	8.601-065.0	WASHER, .203 X .562 X .040 FLT	23.000	ST
5	8.606-296.0	SHROUD, SCRUB DECK 32 IN LEFT	1.000	ST
6	8.627-711.0	SCREW, 10-24 X .75 PHPNHMS SS	23.000	ST
7	8.616-180.0	LATCH & CONCEALED KEEPER	1.000	ST
8	8.627-184.0	NUT, 5/16-18 HEXTHIN NYLOCK SS	10.000	ST
9	8.629-250.0	WASHER, 5/16 X .562 X .063 SS	11.000	ST
10	8.627-092.0	NUT, 6-32 HEX NYLOCK SS	4.000	ST
11	8.627-395.0	SCREW, 6-32 X .5 PHPNHMS SS	4.000	ST
12	8.606-297.0	SHROUD, SCRUB DECK 32 IN RIGHT	1.000	ST
13	8.601-102.0	Wheel 3" DIA CUSHION RUBBER	1.000	ST
14	8.600-135.0	BUSHING, SPANNER .435 X 1.10	1.000	ST
15	8.627-715.0	SCREW, 5/16-18 X 2 SCHBTNHCS SS	1.000	ST
16	8.608-295.0	PLATE, BUMPER WHEEL ATTACH	1.000	ST
17	8.607-004.0	BRKT, SHROUD RETAINER RIGHT	1.000	ST
18	8.606-641.0	BAND, SKIRT LEFT 32 INCH	1.000	ST
19	8.600-753.0	Skirt 32 INCH LEFT	1.000	ST
20	8.606-640.0	BAND, SKIRT RIGHT 32INCH	1.000	ST
21	8.600-754.0	Skirt 32 INCH RIGHT	1.000	ST
22	8.600-471.0	SHROUD ASM 32" RIGHT SCRUBHEAD	1.000	ST
23	8.600-472.0	SHROUD ASM 32" LEFT SCRUBHEAD	1.000	ST
24	8.624-410.0	LABEL, AQUA-MIZER	1.000	ST



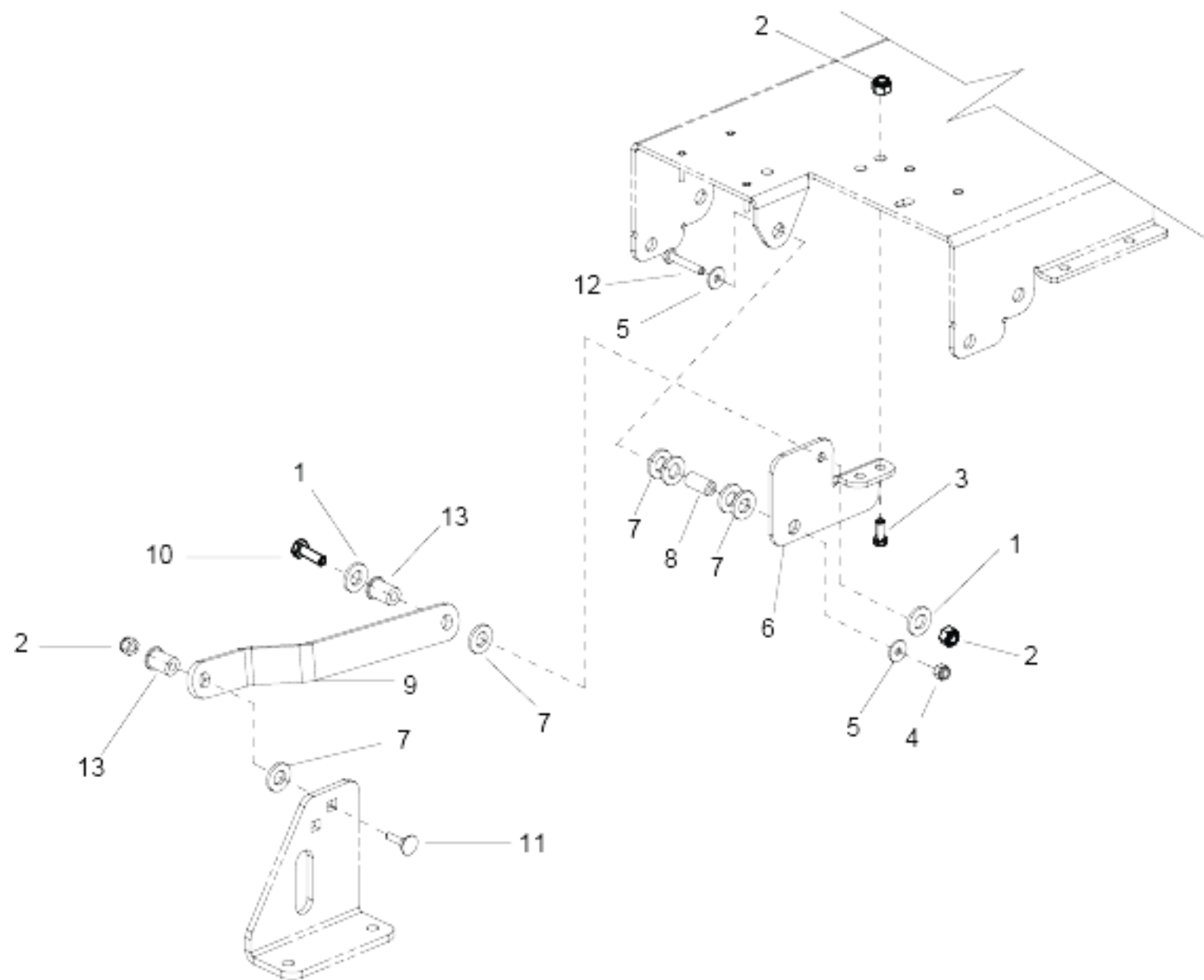
9170 SCRUB DECK LIFT LINKAGE - 26 IN SCRUBDEC

POS	Article no.	Description	Quantity	Unit
1	8.627-378.0	SCREW, 1/4-20 X .75 HHCS SS NP	6.000	ST
2	8.606-676.0	BAR, TENSIONER	1.000	ST
3	8.627-374.0	SCREW, 1/4-20 X 1.5 HHCS SS	2.000	ST
4	8.601-063.0	WASHER, 1/4 SS	8.000	ST
5	8.627-187.0	NUT, 1/4-20 HEXTHIN NYLOCK SS	10.000	ST
6	8.606-992.0	BRKT, ANGLE SUPPORT RIGHT	1.000	ST
7	8.625-940.0	WASHER, .51 THR	10.000	ST
8	8.622-892.0	BUSHING, .252 X .503 X 1 FLG BRZ	2.000	ST
9	8.622-890.0	BUSHING, .252 X .503 X .75 FLG	2.000	ST
10	8.627-382.0	SCREW, 1/4-20 X 1.25 HHMS SS	2.000	ST
11	8.606-677.0	BAR, LINK LEFT	1.000	ST
12	8.606-672.0	BAR, LINK RIGHT	1.000	ST
13	8.623-665.0	FRAME, W24V SCRUB DECK	1.000	ST



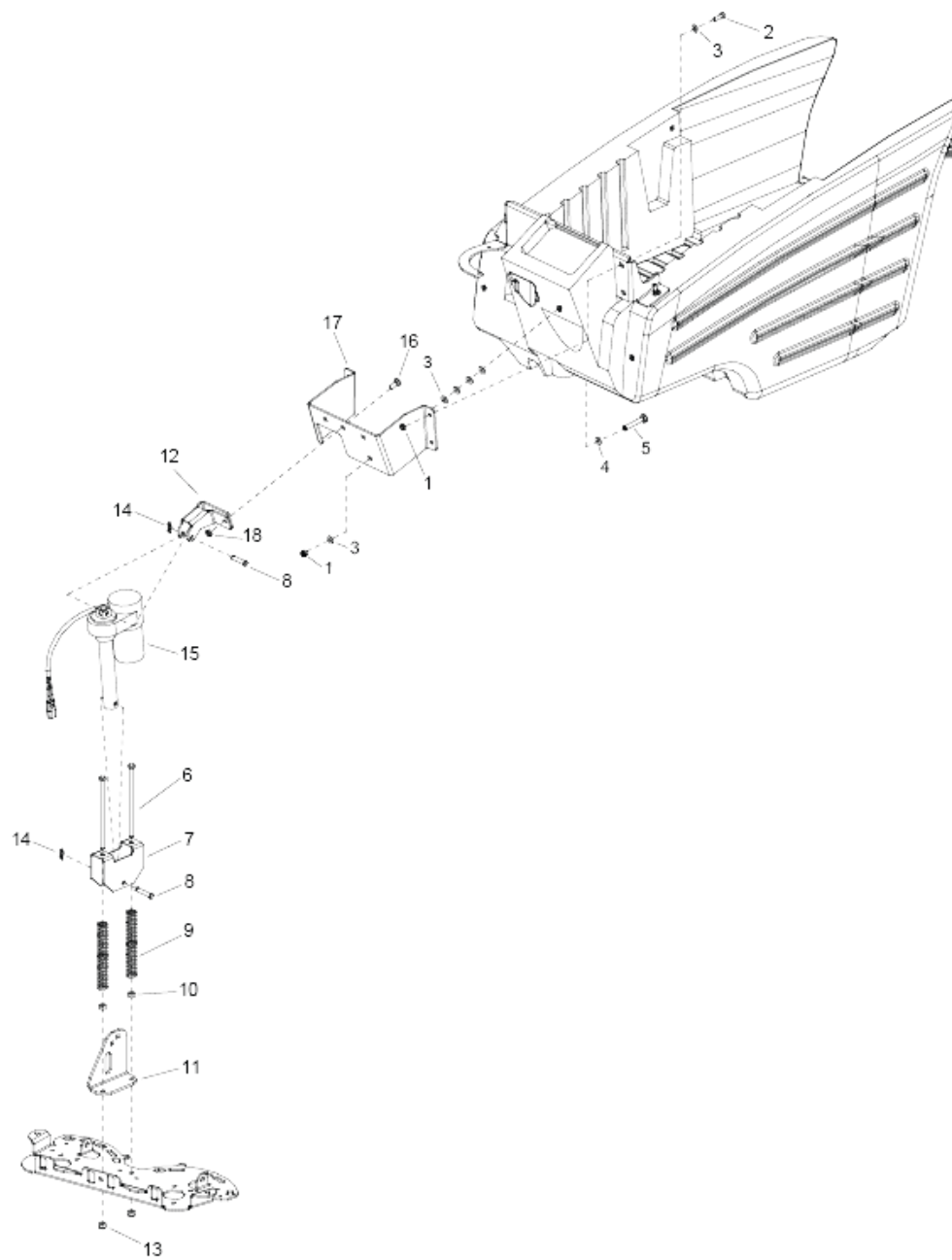
9180 SCRUB DECK LIFT LINKAGE -32 IN SCRUBDECK

POS	Article no.	Description	Quantity	Unit
1	8.627-378.0	SCREW, 1/4-20 X .75 HHCS SS NP	4.000	ST
2	8.607-003.0	BRKT, ANGLE SUPPORT 36V	2.000	ST
3	8.627-374.0	SCREW, 1/4-20 X 1.5 HHCS SS	2.000	ST
4	8.601-063.0	WASHER, 1/4 SS	8.000	ST
5	8.627-187.0	NUT, 1/4-20 HEXTHIN NYLOCK SS	8.000	ST
6	8.623-667.0	FRAME, 36V SCRUB DECK	1.000	ST
7	8.625-940.0	WASHER, .51 THR	10.000	ST
8	8.622-892.0	BUSHING, .252 X .503 X 1 FLG BRZ	2.000	ST
9	8.622-890.0	BUSHING, .252 X .503 X .75 FLG	2.000	ST
10	8.627-382.0	SCREW, 1/4-20 X 1.25 HHMS SS	2.000	ST
11	8.606-681.0	BAR, LINKAGE, LEFT	1.000	ST
12	8.606-687.0	BAR, LINK RIGHT	1.000	ST



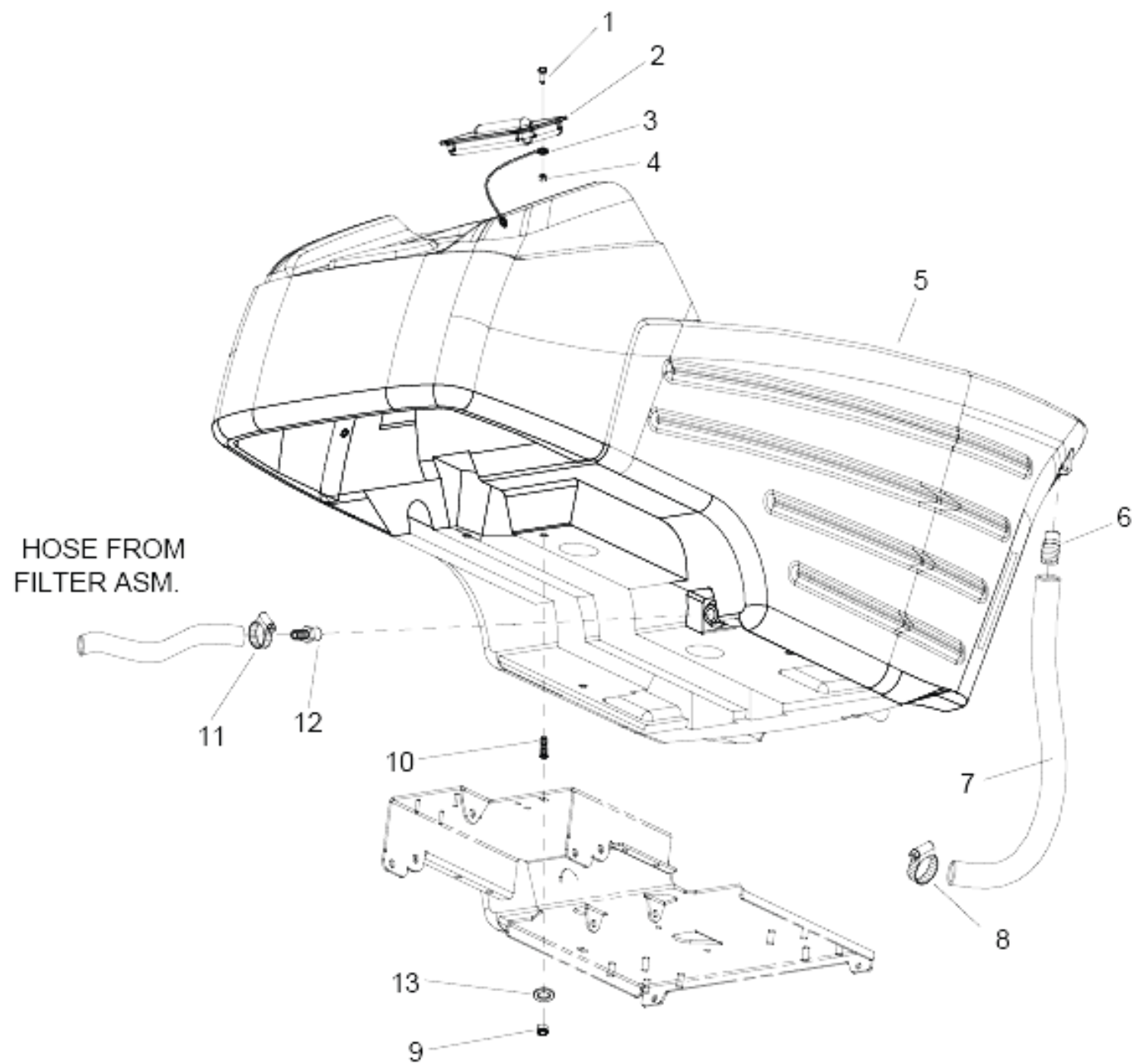
## 9190 SCRUB DECK LIFT 1

POS	Article no.	Description	Quantity	Unit
1	8.601-067.0	WASHER, 5/16 FLT SS	2.000	ST
2	8.627-184.0	NUT, 5/16-18 HEXTHIN NYLOCK SS	4.000	ST
3	8.627-678.0	SCREW, 5/16-18 X .75 HHCS SS	2.000	ST
4	8.627-187.0	NUT, 1/4-20 HEXTHIN NYLOCK SS	3.000	ST
5	8.601-063.0	WASHER, 1/4 SS	6.000	ST
6	8.606-975.0	BRKT, FRAME MOUNT	1.000	ST
7	8.625-940.0	WASHER, .51 THR	10.000	ST
8	8.622-892.0	BUSHING, .252 X .503 X 1 FLG BRZ	1.000	ST
9	8.606-976.0	BRKT, CENTER LINK	1.000	ST
10	8.600-702.0	SCREW, 5/16-18 X 1.25 HHCS SS NP	1.000	ST
11	8.619-715.0	SCREW, 5/16-18 X 1.25 ELEVATOR STL ZNPLT	1.000	ST
12	8.627-374.0	SCREW, 1/4-20 X 1.5 HHCS SS	1.000	ST
13	8.622-884.0	BUSHING, .314 X .502 X .5 FLG	2.000	ST



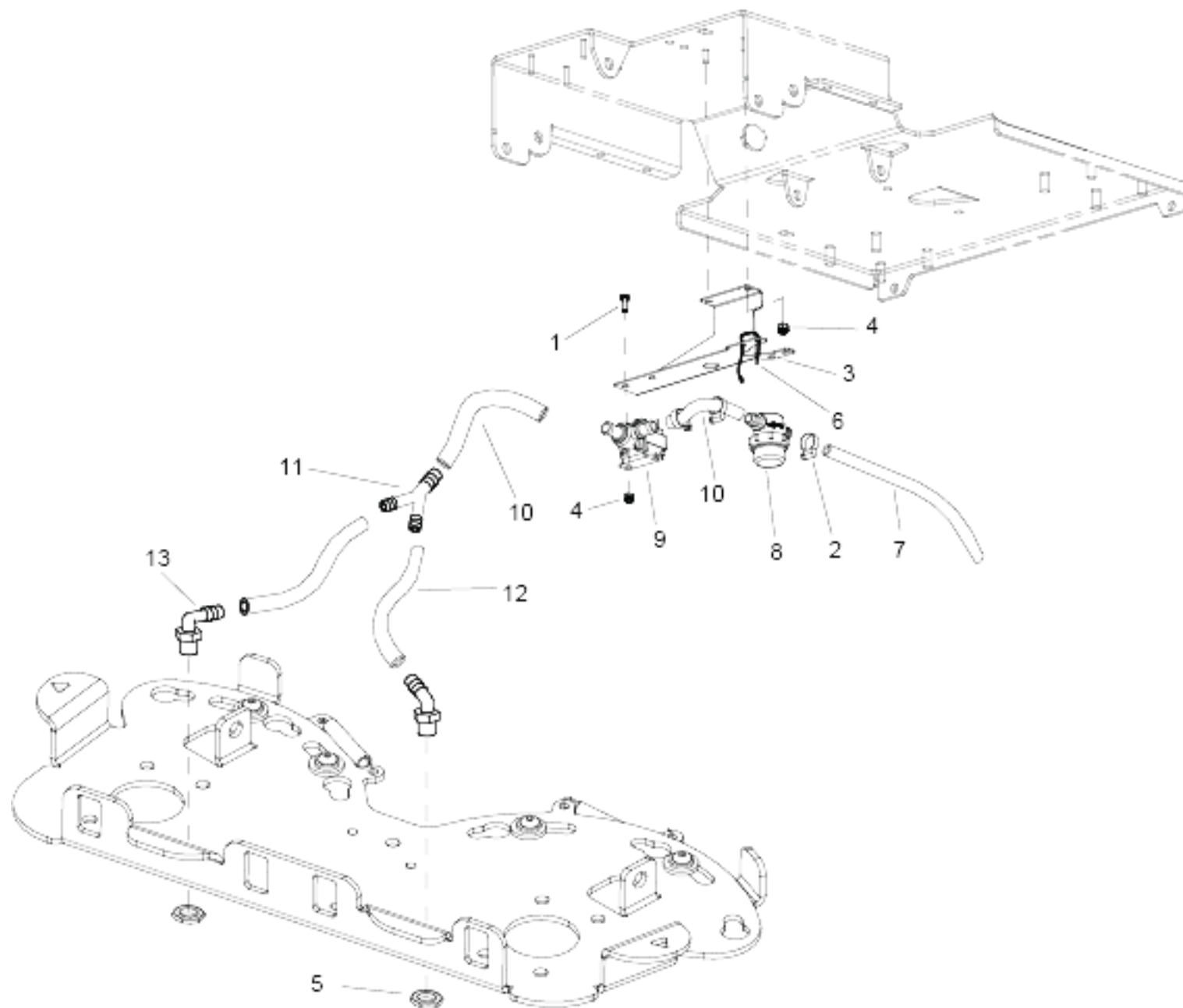
9200 SCRUB DECK LIFT 2

POS	Article no.	Description	Quantity	Unit
1	8.627-184.0	NUT, 5/16-18 HEXTHIN NYLOCK SS	5.000	ST
2	8.600-656.0	SCREW, 5/16-18 X 1 HHCS SS NP	4.000	ST
3	8.601-067.0	WASHER, 5/16 FLT SS	9.000	ST
4	8.627-965.0	WASHER, 5/16 SEG SS	1.000	ST
5	8.603-289.0	TANK, SOLUTION 24V	1.000	ST
6	8.627-701.0	SCREW, 3/8-16 X 7 HHCS SS	2.000	ST
7	8.606-813.0	BRACKET, ACTUATOR TUBE	1.000	ST
8	8.624-897.0	PIN, CLEVIS 3/8 X 2 STL ZNPLT	1.000	ST
9	8.625-491.0	SPRING, COMP .89 OD X 6.13L	2.000	ST
10	8.600-573.0	NUT, 3/8-16 HEX STL GRA ZNPLT	2.000	ST
11	8.606-977.0	BRKT, DECK MOUNT	1.000	ST
12	8.606-817.0	BRACKET, ACTUATOR MOUNT	1.000	ST
13	8.600-563.0	NUT, 3/8-16 HEXTHIN NYLOCK SS	7.000	ST
14	8.600-867.0	Cotter 3/8" RING	2.000	ST
15	8.601-196.0	ACTUATOR, 24VDC 5.0 STRK	1.000	ST
16	8.627-728.0	SCREW, 3/8-16 X 1 CARR SS	2.000	ST
17	8.606-816.0	BRACKET, TANK BRACE	1.000	ST
18	8.600-563.0	NUT, 3/8-16 HEXTHIN NYLOCK SS	2.000	ST



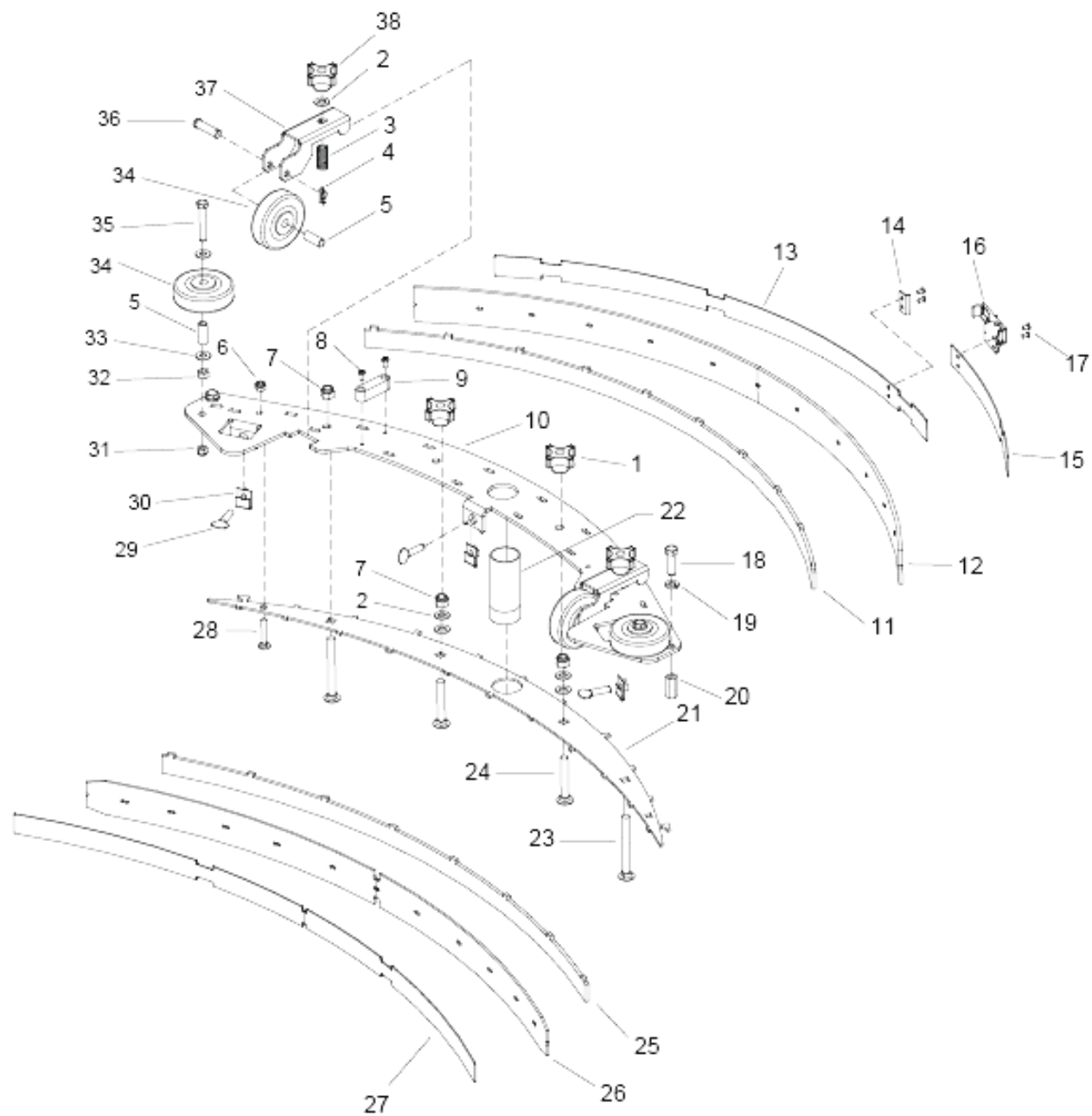
## 9210 SOLUTION 1

POS	Article no.	Description	Quantity	Unit
1	8.627-395.0	SCREW, 6-32 X .5 PHPNHMS SS	1.000	ST
2	8.623-479.0	COVER, CLP SOLUTION	1.000	ST
3	8.624-608.0	LANYARD, 18.0 W/LOOP & EYE	1.000	ST
4	8.601-481.0	NUT, 6-32 ACORN SS	1.000	ST
5	8.639-301.0	TANK, SOLUTION, HD 24V, BLK	1.000	ST
6	8.624-046.0	Hosebarb 1/2MPT X 1.0 HOSE	1.000	ST
7	8.628-205.0	Hose 1ID X .12W CLR X 24.5"	1.000	ST
8	8.623-311.0	CLAMP, 1.0" WORM GEAR	1.000	ST
9	8.627-184.0	NUT, 5/16-18 HEXTHIN NYLOCK SS	4.000	ST
10	8.627-638.0	SCREW, 5/16-18 X 1.25 SCHSET CP SS	4.000	ST
11	8.623-315.0	CLAMP, 3/8 HOSE (D-SLOT)	1.000	ST
12	8.619-791.0	Hosebarb 1/2MPT X 1/2 POLY DL	1.000	ST
13	8.601-067.0	WASHER, 5/16 FLT SS	4.000	ST



## 9220 SOLUTION 2

POS	Article no.	Description	Quantity	Unit
-	8.631-316.0	CAP, STRAINER SHORT	1.000	ST
-	8.600-346.0	Protection part SRVC PART SLND	1.000	ST
-	8.613-682.0	SERVICE SLND SPRG KIT	1.000	ST
-	8.600-587.0	O-Ring seal filter SEAL RON-VIK	1.000	ST
-	8.600-775.0	SCREEN, 20 MESH STRAINER SCRBR	1.000	ST
1	8.627-375.0	SCREW, 1/4-20 X .625 HHCS SS NP	2.000	ST
2	8.623-315.0	CLAMP, 3/8 HOSE (D-SLOT)	3.000	ST
3	8.606-979.0	BRKT, FILTER/SOLUTION MOUNT	1.000	ST
4	8.627-187.0	NUT, 1/4-20 HEXTHIN NYLOCK SS	4.000	ST
5	8.627-183.0	NUT, 3/8-16 LK NYL BLK	2.000	ST
6	8.626-494.0	Cable tie 11.38" UL/CSA	4.000	ST
7	8.628-219.0	HOSE, 1/2ID WIRE BOUND X 13"	1.000	ST
8	8.600-756.0	Strainer 1/2 HOSE 20 MESH	1.000	ST
9	8.601-054.0	Valve 24VDC SOL.1/2"HOSEBARB	1.000	ST
10	8.628-110.0	Hose 1/2ID WIRE BOUND X 7"	2.000	ST
11	8.600-358.0	FITTING, 1/2"X3/8~X3/8~ RED. T	1.000	ST
12	8.628-082.0	Hose 3/8ID NYLOBRD X 10"	2.000	ST
13	8.600-155.0	HOSEBARB, 3/8MPT X3/8 90D	2.000	ST

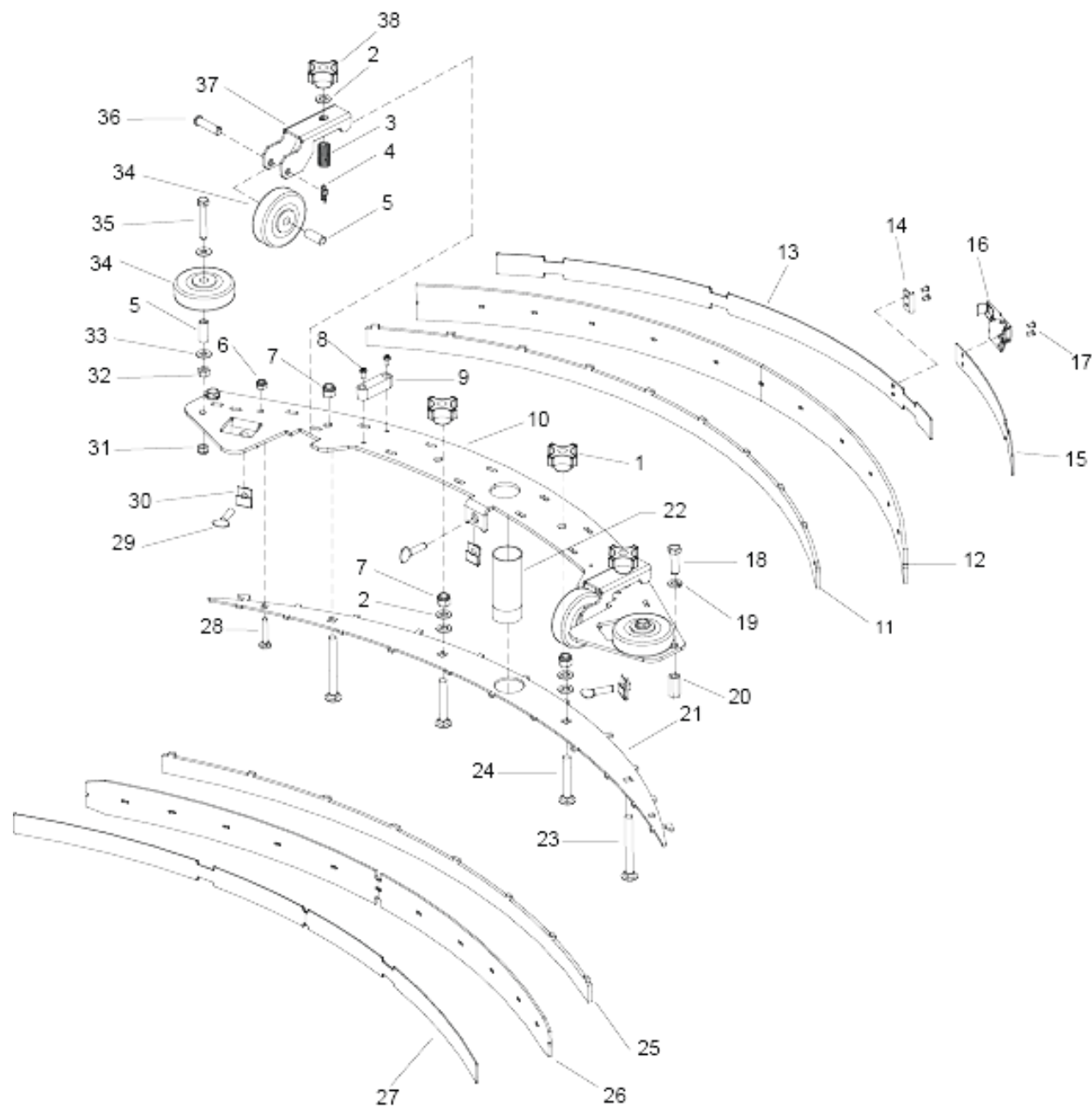


## 9230 SQUEEGEE - 26IN SCRUBHEAD

POS	Article no.	Description	Quantity	Unit
-	8.602-653.0	SQUEEGEE ASM 26 IN SCRUBHEAD	1.000	ST
1	8.600-920.0	KNOB, 3/8-16 4 PRONG ALUM	2.000	ST
2	8.601-068.0	WASHER, 3/8 NYL	4.000	ST
3	8.600-778.0	Spring COMP .60D X2.0L X.045W	2.000	ST
4	8.600-866.0	Cotter 5/16" RING	2.000	ST
5	8.600-135.0	BUSHING, SPANNER .435 X 1.10	4.000	ST
6	8.627-187.0	NUT, 1/4-20 HEXTHIN NYLOCK SS	2.000	ST
7	8.600-563.0	NUT, 3/8-16 HEXTHIN NYLOCK SS	4.000	ST
8	8.627-413.0	SCREW, 8-32 X .375 PHPNHTC	2.000	ST
9	8.600-991.0	VIAL, LEVEL	1.000	ST
10	8.608-242.0	PLATE, SQUEEGEE TOP 35"	1.000	ST
11	8.608-244.0	PLATE, SQG REAR 35"	1.000	ST
12	8.613-702.0	SQUEEGEE, REAR BLADE URETHANE	1.000	ST
12	8.600-743.0	SQUEEGEE, REAR BLADE LINTEX	1.000	ST
13	8.600-134.0	BAND, SQUEEGEE REAR	1.000	ST
14	8.600-918.0	Bolt	1.000	ST
15	8.600-133.0	BAND, SQUEEGEE REAR (S)	1.000	ST
16	8.600-917.0	Lock SQUEEGEE STRAP	1.000	ST
17	8.600-640.0	RIVET, 5/32 X .062-.125GL POP AL	4.000	ST
18	8.627-692.0	SCREW, 3/8-16 X 1 HHCS SS NP	2.000	ST
19	8.601-079.0	WASHER, 3/8 SPL STL ZNPLT	2.000	ST
20	8.600-584.0	NUT, 3/8-16 CPL SS	2.000	ST
21	8.608-245.0	PLATE, SQUEEGEE BOTTOM 35"	1.000	ST
22	8.600-839.0	TUBE ASM, SQUEEGEE VAC	1.000	ST
23	8.627-699.0	SCREW, 3/8-16 X 3.5 CARR SS	2.000	ST
24	8.627-687.0	SCREW, 3/8-16 X 2.5 CARR SS	2.000	ST
25	8.608-243.0	PLATE, SQG FRONT 35"	1.000	ST
26	8.613-703.0	SQUEEGEE, FRONT BLADE URETHANE	1.000	ST
26	8.600-802.0	SQGE BLADE, FRONT LINATEX 35"	1.000	ST
27	8.606-637.0	BAND, SQUEEGEE FRONT	1.000	ST
28	8.627-700.0	SCREW, 1/4-20 X 1.5 CARR SS	2.000	ST
29	8.600-704.0	SCREW, 5/16-18 X 1 THUMB SS	3.000	ST
30	8.627-182.0	NUT, 5/16-18 X .028-.056PR CAGE	3.000	ST

## 9230 SQUEEGEE - 26IN SCRUBHEAD

POS	Article no.	Description	Quantity	Unit
31	8.627-184.0	NUT, 5/16-18 HEXTHIN NYLOCK SS	2.000	ST
32	8.600-565.0	NUT, 5/16-18 HEX STL ZNPLT	2.000	ST
33	8.601-067.0	WASHER, 5/16 FLT SS	4.000	ST
34	8.601-102.0	Wheel 3" DIA CUSHION RUBBER	4.000	ST
35	8.627-698.0	SCREW, 5/16-18 X 2 HHCS SS	2.000	ST
36	8.600-627.0	PIN, CLEVIS 5/16 X 1.625 STL ZNPLT	2.000	ST
37	8.606-987.0	BRKT, SQG WHEEL	2.000	ST
38	8.600-489.0	KNOB,ALUM 3/8-16 NYLOCK NUT SS	2.000	ST

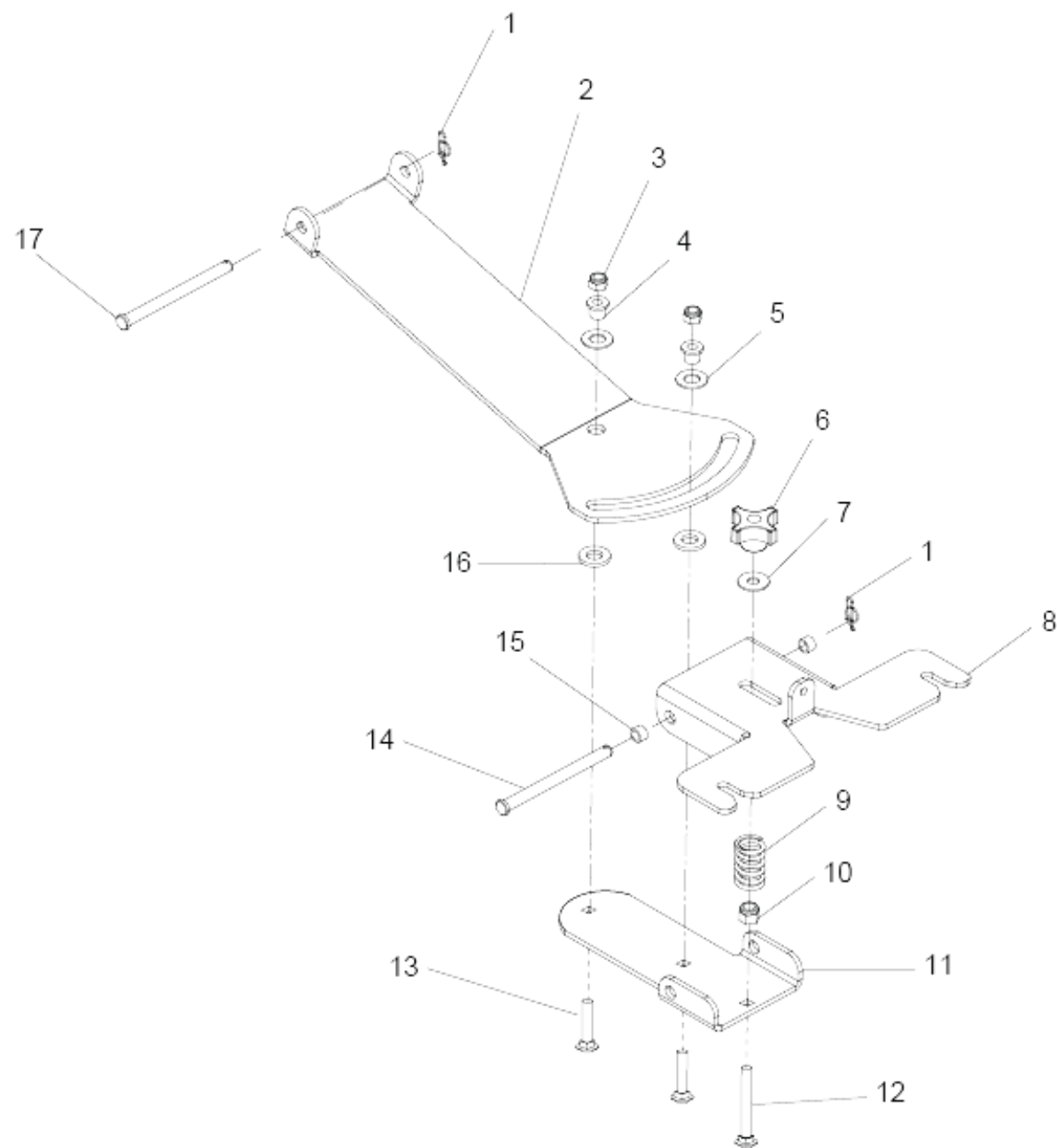


## 9240 SQUEEGEE - 32IN SCRUBHEAD

POS	Article no.	Description	Quantity	Unit	Remark
-	8.602-654.0	SQUEEGEE ASM, 32 IN SCRUBHEAD	1.000	ST	COMPLETE
1	8.600-920.0	KNOB, 3/8-16 4 PRONG ALUM	4.000	ST	
2	8.601-068.0	WASHER, 3/8 NYL	6.000	ST	
3	8.600-778.0	Spring COMP .60D X2.0L X.045W	2.000	ST	
4	8.600-866.0	Cotter 5/16" RING	2.000	ST	
5	8.600-135.0	BUSHING, SPANNER .435 X 1.10	4.000	ST	
6	8.627-187.0	NUT, 1/4-20 HEXTHIN NYLOCK SS	2.000	ST	
7	8.600-563.0	NUT, 3/8-16 HEXTHIN NYLOCK SS	4.000	ST	
8	8.627-413.0	SCREW, 8-32 X .375 PHPNHTC	2.000	ST	
9	8.600-991.0	VIAL, LEVEL	1.000	ST	
10	8.608-246.0	PLATE, SQUEEGEE TOP 40"	1.000	ST	
11	8.608-248.0	PLATE, SQG REAR 40"	1.000	ST	
12	8.613-704.0	Stripper blade rear URETHANE	1.000	ST	
12	8.600-749.0	SQUEEGEE, REAR BLADE, LINTEX	1.000	ST	
13	8.606-636.0	BAND, SQUEEGEE REAR	1.000	ST	
14	8.600-918.0	Bolt	1.000	ST	
15	8.600-133.0	BAND, SQUEEGEE REAR (S)	1.000	ST	
16	8.600-917.0	Lock SQUEEGEE STRAP	1.000	ST	
17	8.600-640.0	RIVET, 5/32 X .062-.125GL POP AL	4.000	ST	
18	8.627-692.0	SCREW, 3/8-16 X 1 HHCS SS NP	2.000	ST	
19	8.601-079.0	WASHER, 3/8 SPL STL ZNPLT	2.000	ST	
20	8.600-584.0	NUT, 3/8-16 CPL SS	2.000	ST	
21	8.608-249.0	PLATE, SQUEEGEE BOTTOM 40"	1.000	ST	
22	8.600-839.0	TUBE ASM, SQUEEGEE VAC	1.000	ST	
23	8.627-699.0	SCREW, 3/8-16 X 3.5 CARR SS	2.000	ST	
24	8.627-687.0	SCREW, 3/8-16 X 2.5 CARR SS	2.000	ST	
25	8.608-247.0	PLATE, SQG FRONT 40" SPACER	1.000	ST	
26	8.600-983.0	Squeegee front Blatt LINATEX	1.000	ST	
27	8.606-635.0	BAND, SQUEEGEE FRONT	1.000	ST	
28	8.627-700.0	SCREW, 1/4-20 X 1.5 CARR SS	2.000	ST	
29	8.600-704.0	SCREW, 5/16-18 X 1 THUMB SS	3.000	ST	
30	8.627-182.0	NUT, 5/16-18 X .028-.056PR CAGE	3.000	ST	
31	8.627-184.0	NUT, 5/16-18 HEXTHIN NYLOCK SS	2.000	ST	

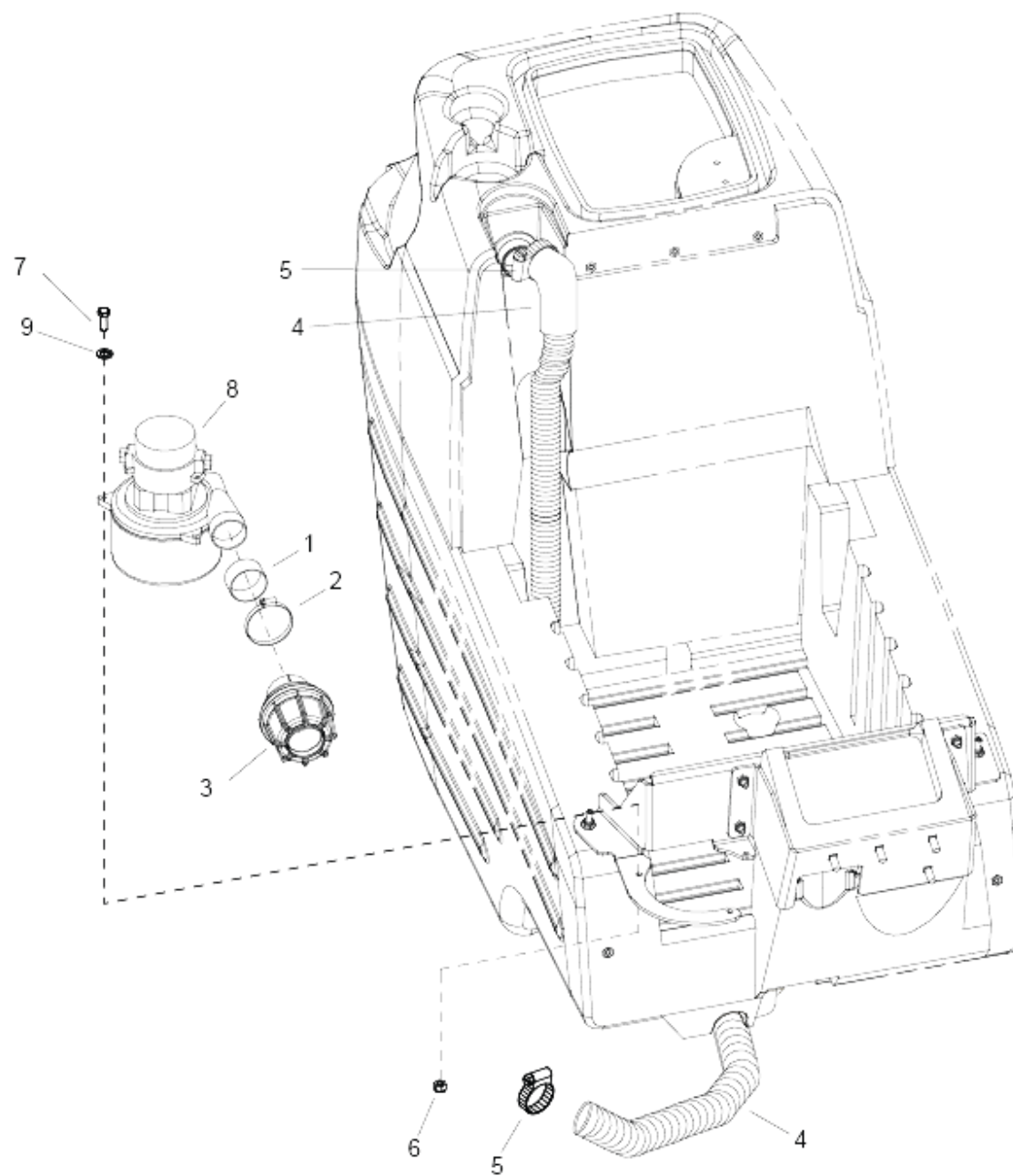
9240 SQUEEGEE - 32IN SCRUBHEAD

POS	Article no.	Description	Quantity	Unit	Remark
32	8.600-565.0	NUT, 5/16-18 HEX STL ZNPLT	2.000	ST	
33	8.601-067.0	WASHER, 5/16 FLT SS	4.000	ST	
34	8.601-102.0	Wheel 3" DIA CUSHION RUBBER	4.000	ST	
35	8.627-698.0	SCREW, 5/16-18 X 2 HHCS SS	2.000	ST	
36	8.600-627.0	PIN, CLEVIS 5/16 X 1.625 STL ZNPLT	2.000	ST	
37	8.606-987.0	BRKT, SQG WHEEL	2.000	ST	
38	8.600-489.0	KNOB,ALUM 3/8-16 NYLOCK NUT SS	2.000	ST	



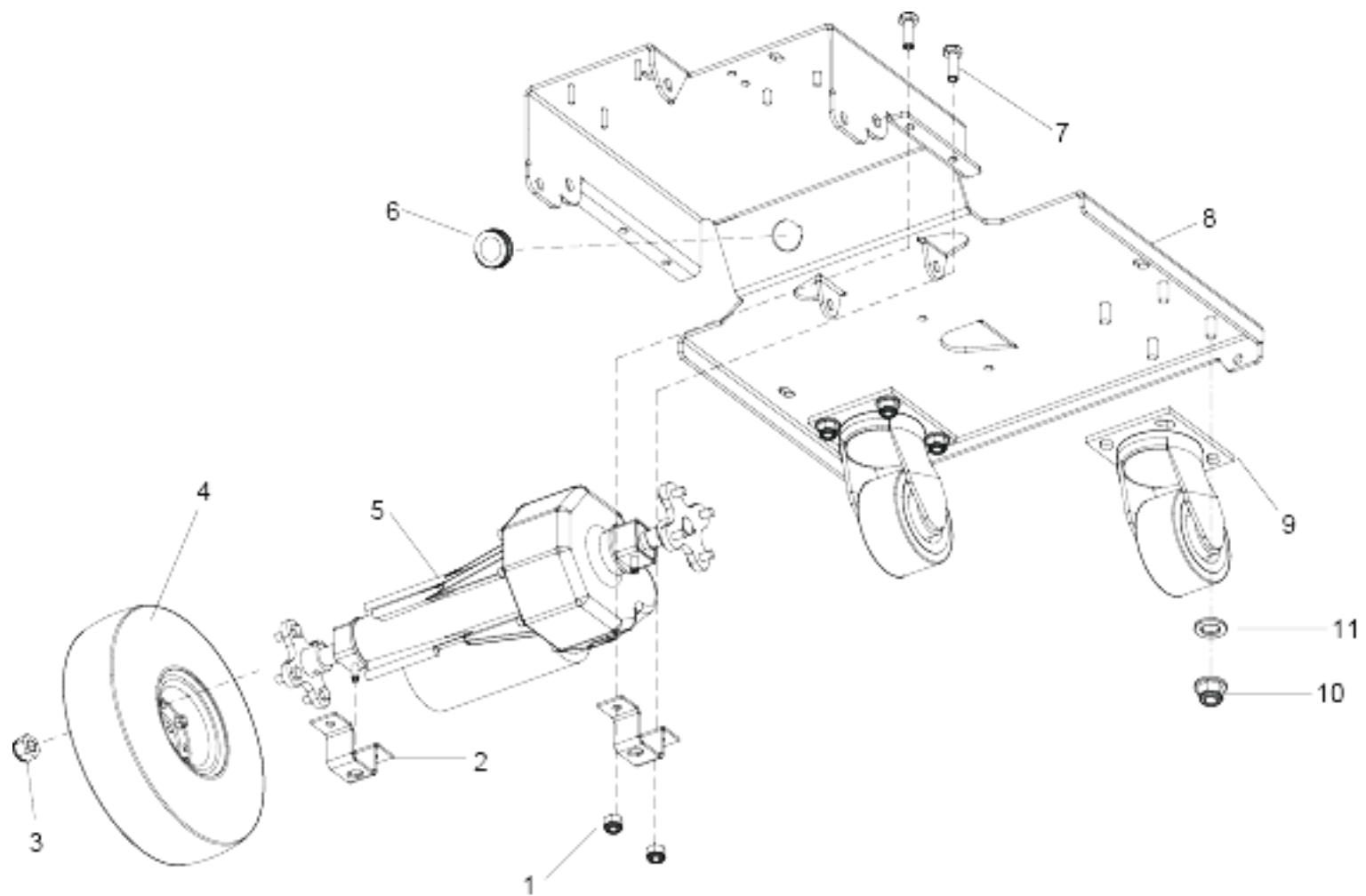
## 9250 SQUEEGEE LIFT LINKAGE (LOWER)

POS	Article no.	Description	Quantity	Unit
1	8.600-867.0	Cotter 3/8" RING	2.000	ST
2	8.606-945.0	BRKT, SQG PIVOT LIFT	1.000	ST
3	8.627-184.0	NUT, 5/16-18 HEXTHIN NYLOCK SS	2.000	ST
4	8.622-884.0	BUSHING, .314 X .502 X .5 FLG	2.000	ST
5	8.625-942.0	WASHER, .510 X 1 THR	2.000	ST
6	8.600-920.0	KNOB, 3/8-16 4 PRONG ALUM	1.000	ST
7	8.627-951.0	WASHER, 3/8 FLT STL ZNPLT	1.000	ST
8	8.608-215.0	PLATE, SQUEEGEE MOUNT	1.000	ST
9	8.600-727.0	Spring COMP 1.100DX2.0LX.148W	1.000	ST
10	8.600-563.0	NUT, 3/8-16 HEXTHIN NYLOCK SS	1.000	ST
11	8.607-253.0	BRKT, CAMBER PIVOT	1.000	ST
12	8.627-687.0	SCREW, 3/8-16 X 2.5 CARR SS	1.000	ST
13	8.627-713.0	SCREW, 5/16-18 X 1 CARR SS	2.000	ST
14	8.624-906.0	PIN, CLEVIS 3/8 X 4.625 STL ZNPLT	1.000	ST
15	8.600-887.0	BUSHING, 3/8 X .688 FLG	2.000	ST
16	8.625-940.0	WASHER, .51 THR	2.000	ST
17	8.600-886.0	PIN, CLEVIS 3/8 X 5.5 STL ZNPLT	1.000	ST



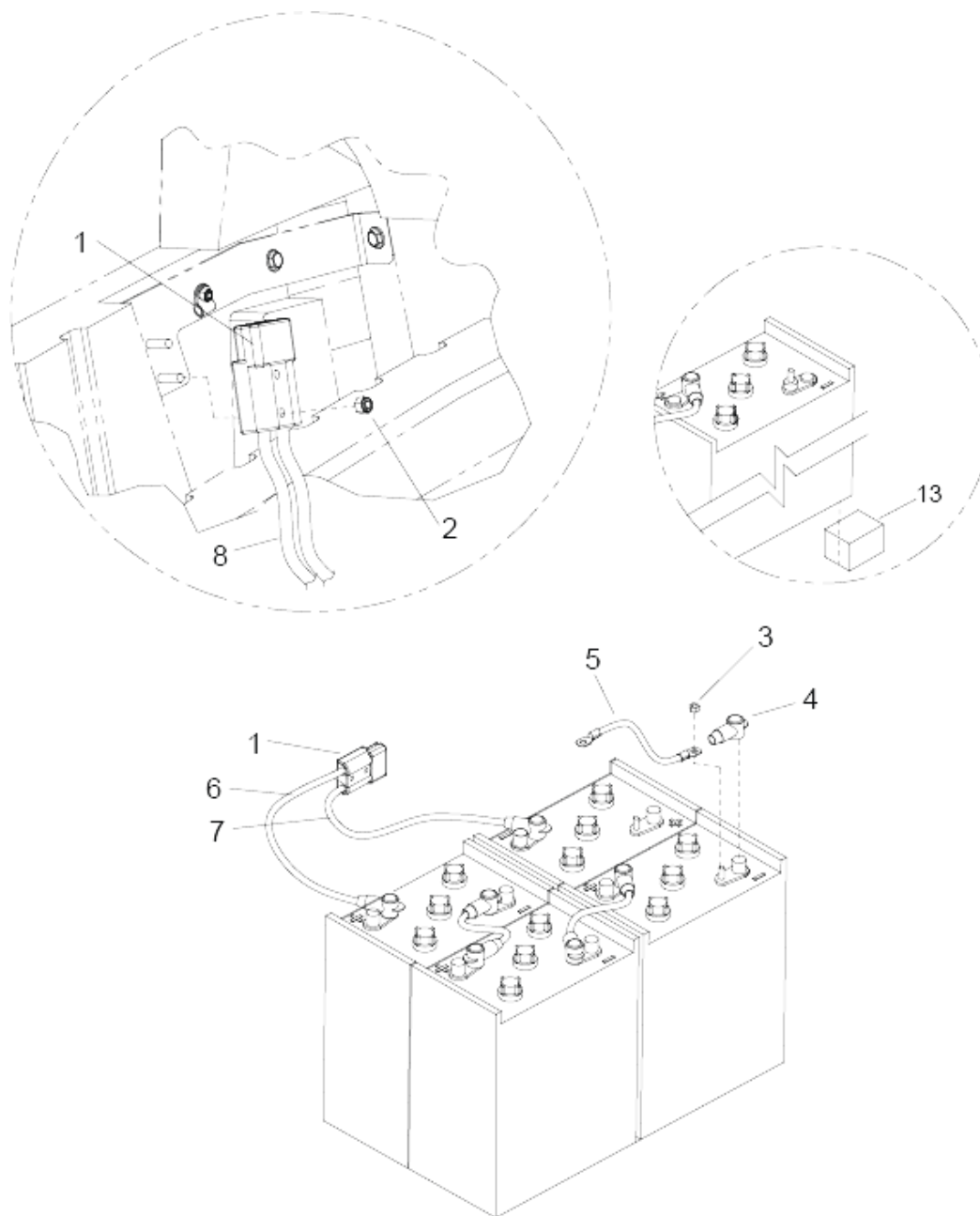
## 9260 VACUUM

POS	Article no.	Description	Quantity	Unit
-	8.613-531.0	X-REF 8.683-043.0 5/09	1.000	ST
1	8.609-117.0	TUBE, 2.0 OD X 1.0L	1.000	ST
2	8.623-343.0	Clamp worm gearing 2.50	1.000	ST
3	8.606-491.0	MUFFLER, VAC MOTOR	1.000	ST
4	8.600-162.0	Hose assembly 1.5 BLK VAC X 67	1.000	ST
5	8.600-240.0	Clamp 2.0" WORM GEAR X .312W	2.000	ST
6	8.627-187.0	NUT, 1/4-20 HEXTHIN NYLOCK SS	3.000	ST
7	8.627-381.0	SCREW, 1/4-20 X 1 HHCS SS	3.000	ST
8	8.600-546.0	VAC MOTOR ASM, 24VDC 3 STAGE	1.000	ST
9	8.601-063.0	WASHER, 1/4 SS	3.000	ST



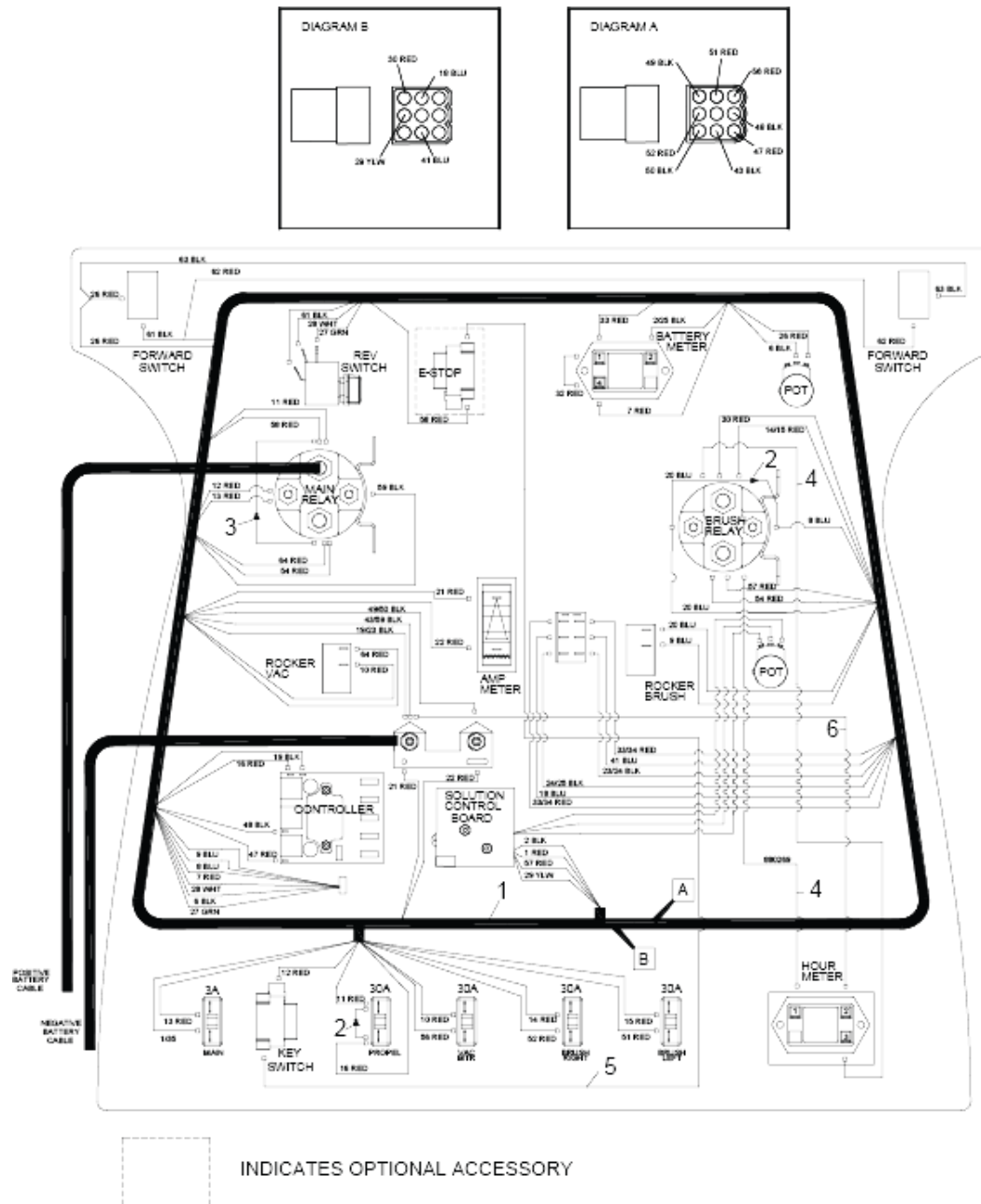
9270 WHEELS AND FRAME

POS	Article no.	Description	Quantity	Unit	Remark
-	8.635-466.0	WHEEL, 10" BLK KNBY POLY FILL	2.000	ST	
-	8.613-742.0	WHEEL ASM, 10" SOLID SPCL SCBR	2.000	ST	
-	8.601-105.0	Wheel complete 10" FMFL BLK KNOBBY	2.000	ST	
-	8.601-104.0	WHEEL ASM, 10" FMFL N-MARKING	2.000	ST	
1	8.627-184.0	NUT, 5/16-18 HEXTHIN NYLOCK SS	4.000	ST	
2	8.623-033.0	BRKT, TRANSAXLE MOUNT	2.000	ST	
3	8.627-186.0	NUT, 5/16-24 HEX NYLOCK SS	8.000	ST	
4	8.635-467.0	WHEEL, 10" N-MARKING POLY FILL	2.000	ST	STANDARD
5	8.624-184.0	KEY, WOODRUFF .75 ID HUB	1.000	ST	
5	8.621-615.0	Brush set 24V TRANSAXLE (2)	1.000	ST	
5	8.600-080.0	Axle motor 24 VDC	1.000	ST	
5	8.600-466.0	HUB KIT, TRANSAXLE 05128	1.000	ST	
6	8.623-843.0	GROMMET 1.00 ID 3/16 GRIP	1.000	ST	
7	8.600-656.0	SCREW, 5/16-18 X 1 HHCS SS NP	4.000	ST	
8	8.609-258.0	FRAME, MAIN, 24V	1.000	ST	
9	8.600-231.0	CASTER, 4DIA X 2 W X 3.56 R	2.000	ST	
10	8.627-088.0	NUT, 3/8-16 SERFLG STL ZNPLT	8.000	ST	
11	8.627-891.0	WASHER, 3/8 SS	8.000	ST	



## 9280 WIRING - BATTERY

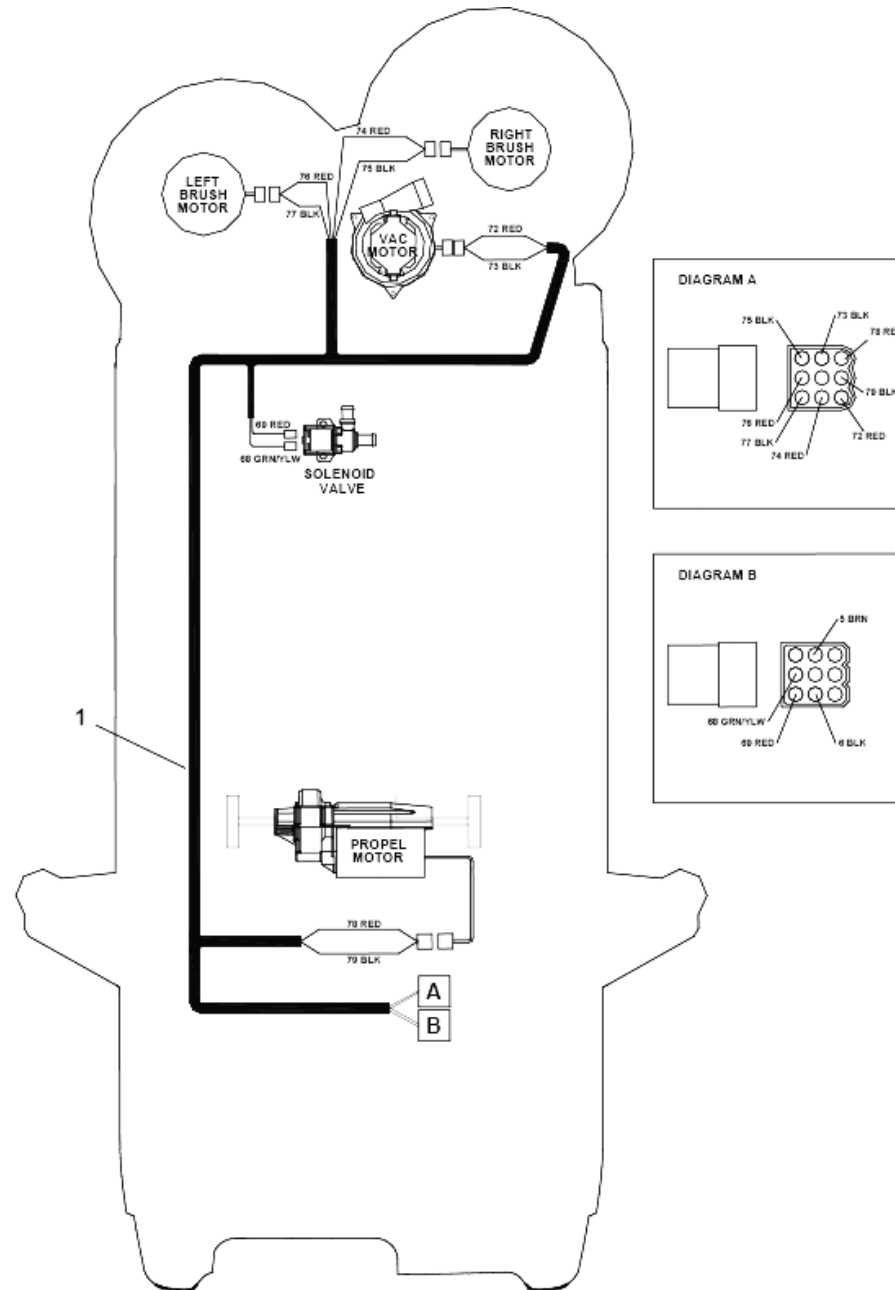
POS	Article no.	Description	Quantity	Unit	Remark
1	8.601-012.0	CONNECTOR 175 DCA RED W/O TERMS	1.000	ST	
2	8.627-187.0	NUT, 1/4-20 HEXTHIN NYLOCK SS	2.000	ST	
3	8.627-191.0	Nut 5/16-18 FLEX LK STL GRA ZNPLT	8.000	ST	
4	8.600-892.0	BOOT, RUBBER TERM. ISOLATOR	8.000	ST	
5	8.600-900.0	WIRE4X9.5BK 5/16RINGX5/16RING	3.000	ST	
6	8.601-085.0	WIRE, 4X20RD CTERM X 5/16RING	1.000	ST	
7	8.601-086.0	WIRE, 4X20 BK CTERM X5/16RING	1.000	ST	
8	8.626-052.0	WIRE, 4X67 BK CTERM X 5/16RING	2.000	ST	
9	8.623-336.0	CLAMP, CABLE KIT	1.000	ST	
10	8.627-089.0	NUT, 10-32 ACORN STL NKLPLT	1.000	ST	
11	8.601-065.0	WASHER, .203 X .562 X .040 FLT	1.000	ST	
12	8.627-398.0	SCREW, 10-32 X .75 PHPNHMS SS	1.000	ST	
13	8.631-271.0	BLOCK, 3.5 X 4 X 5 FOAM	1.000	ST	FOR 86312720 BATTERIES



## 9290 WIRING - CONTROL PANEL

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POS	Article no.	Description	Quantity	Unit
1	8.623-899.0	HARNESS, PANEL, DELUXE	1.000	ST
2	8.626-121.0	DIODE ASM, 76008 X 76008	2.000	ST
3	8.600-341.0	Diode ASM, 76075 X 76075	1.000	ST
4	8.626-734.0	WIRE, 22" RED/18 76040 X 76075	2.000	ST
5	8.626-930.0	WIRE, 16" RED/18 STRIP X STRIP	1.000	ST
6	8.626-736.0	WIRE, 14" BLK/18 76011 X 76040	1.000	ST



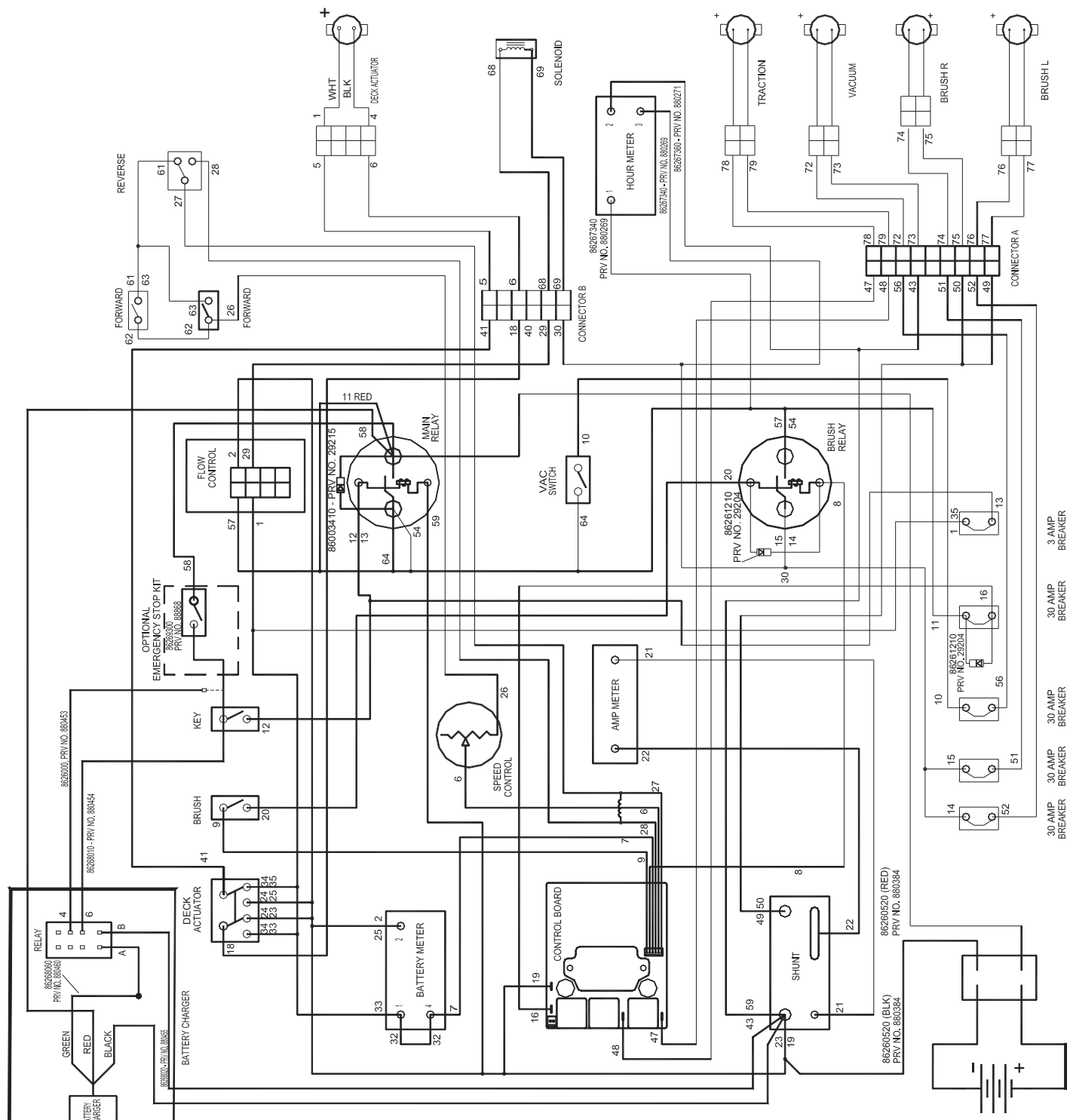
9300 WIRING - MAIN HARNESS

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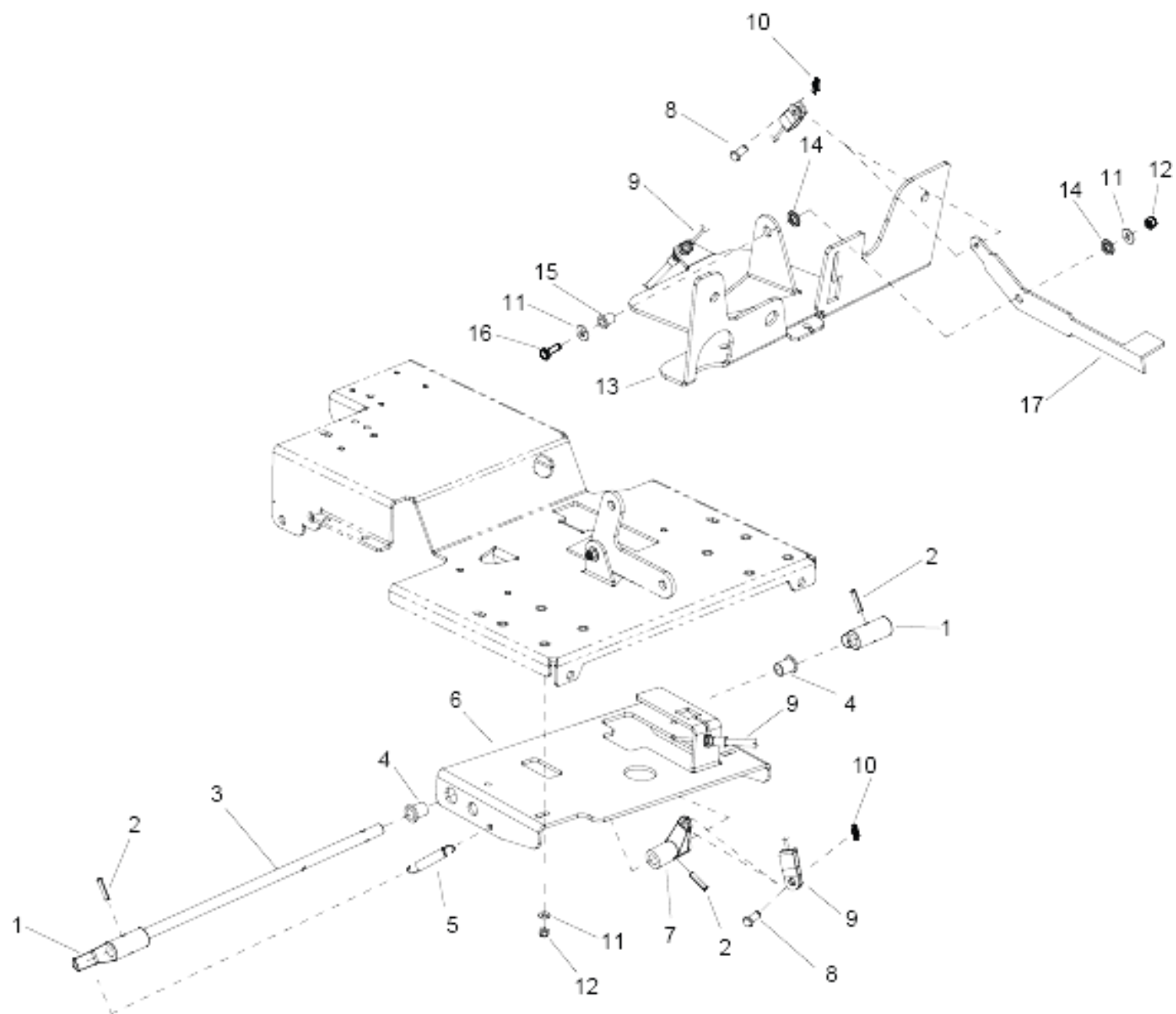
<b>POS</b>	<b>Article no.</b>	<b>Description</b>	<b>Quantity</b>	<b>Unit</b>
1	8.623-898.0	HARNESS, MAIN	1.000	ST

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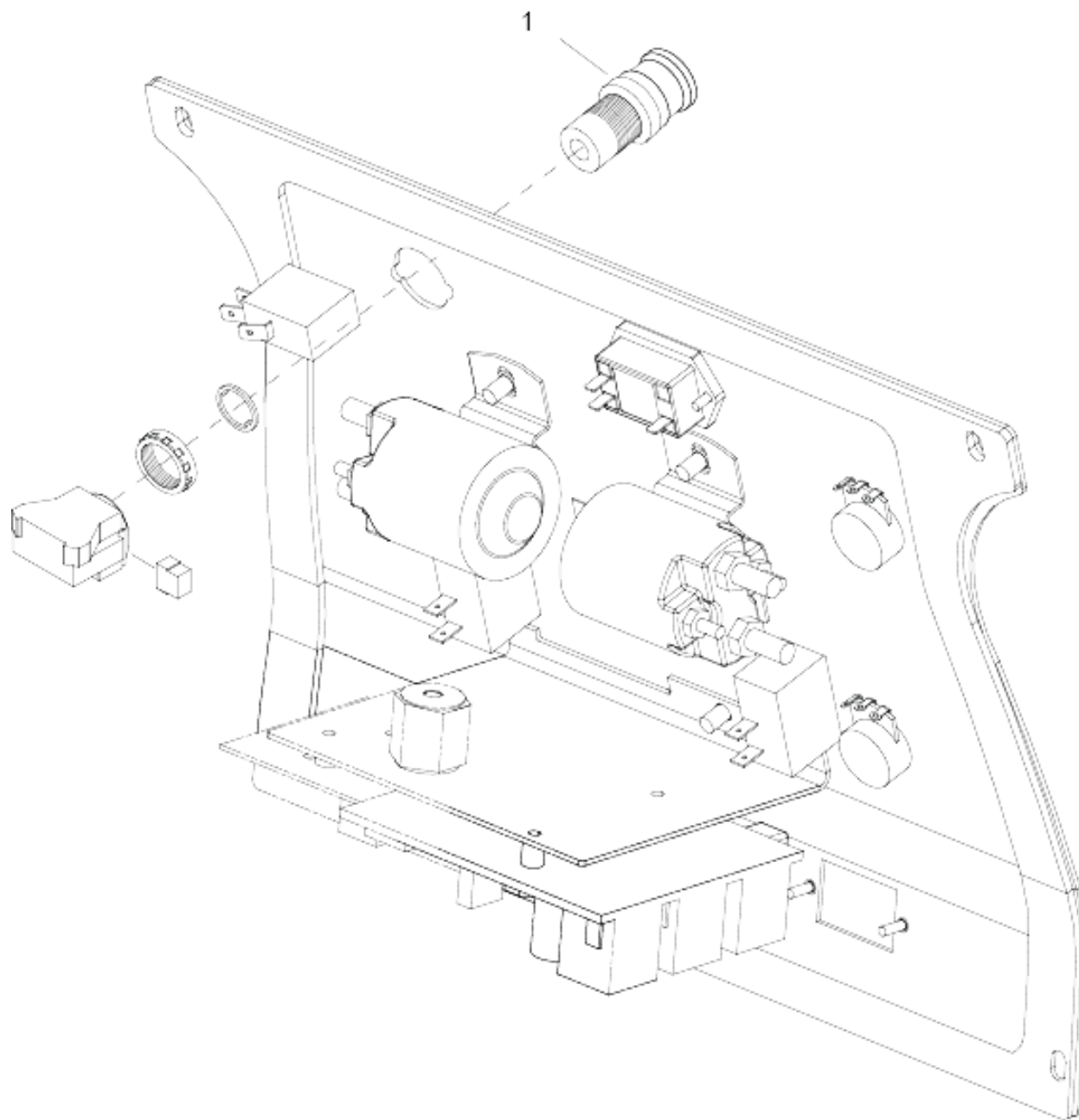


INDICATES OPTIONAL ACCESSORY



## 9330 BRAKE

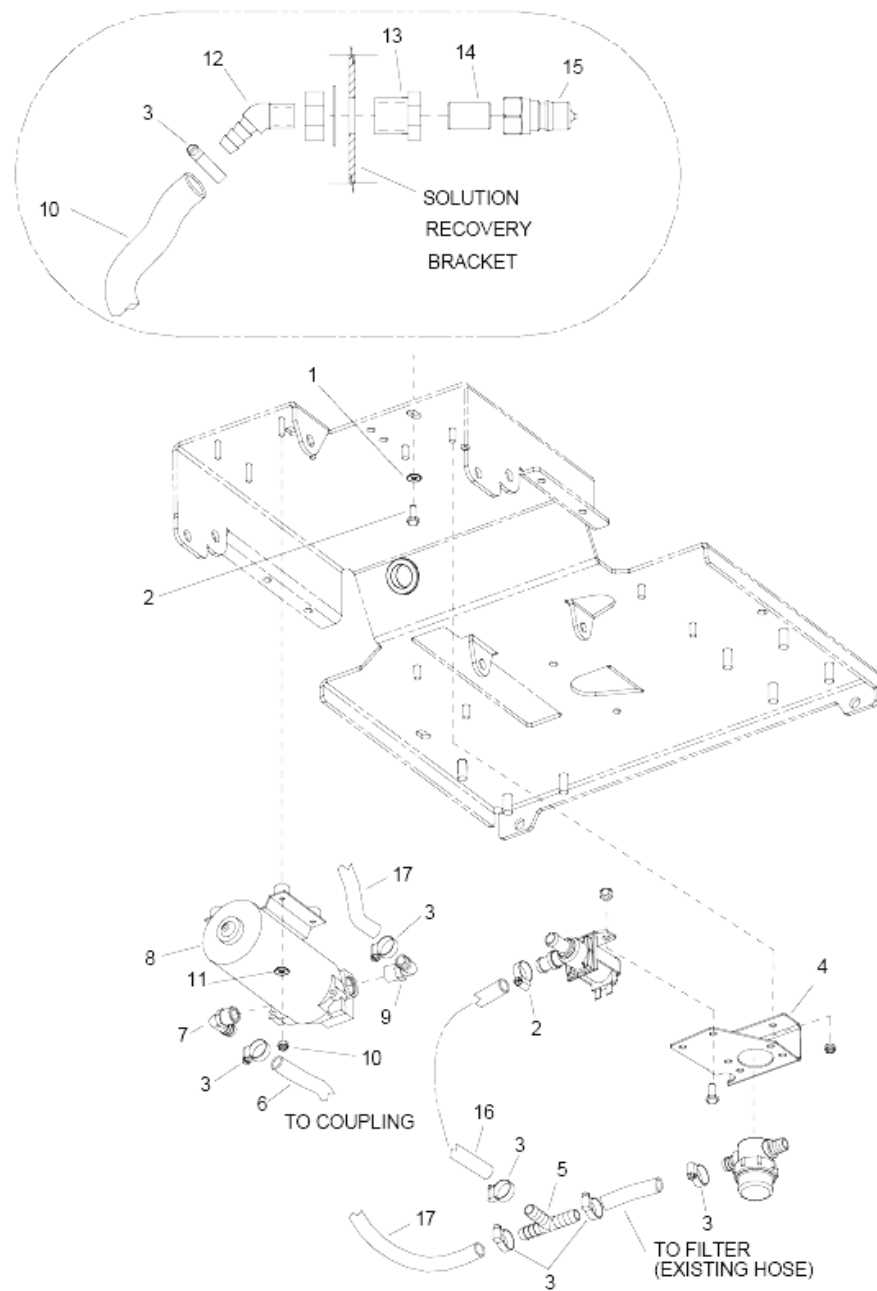
POS	Article no.	Description	Quantity	Unit
1	8.624-837.0	PAD, BRAKE	2.000	ST
2	8.600-622.0	PIN, ROLL 1/4 X 1.25 STL ZNPLT	3.000	ST
3	8.625-207.0	ROD, BRAKE 24V	1.000	ST
4	8.623-133.0	BUSHING, .6270 X .753 X 1 FLG BRZ	2.000	ST
5	8.625-506.0	SPRING, EXT .43D X2.50L X.047W	2.000	ST
6	8.607-007.0	BRKT, LOWER BRAKE MOUNT 24V	1.000	ST
7	8.623-485.0	CRANK, BRAKE	1.000	ST
8	8.627-261.0	PIN, CLEVIS 5/16 X .75 STL ZNPLT	2.000	ST
9	8.623-182.0	CABLE, PARK BRAKE	1.000	ST
10	8.600-866.0	Cotter 5/16" RING	2.000	ST
11	8.601-063.0	WASHER, 1/4 SS	6.000	ST
12	8.627-187.0	NUT, 1/4-20 HEXTHIN NYLOCK SS	5.000	ST
13	8.607-015.0	BRKT, TANK MOUNT 24V	1.000	ST
14	8.625-940.0	WASHER, .51 THR	1.000	ST
15	8.622-890.0	BUSHING, .252 X .503 X .75 FLG	1.000	ST
16	8.627-382.0	SCREW, 1/4-20 X 1.25 HHMS SS	1.000	ST
17	8.607-728.0	LEVER, BRAKE	2.000	ST



9340 EMERGENCY STOP

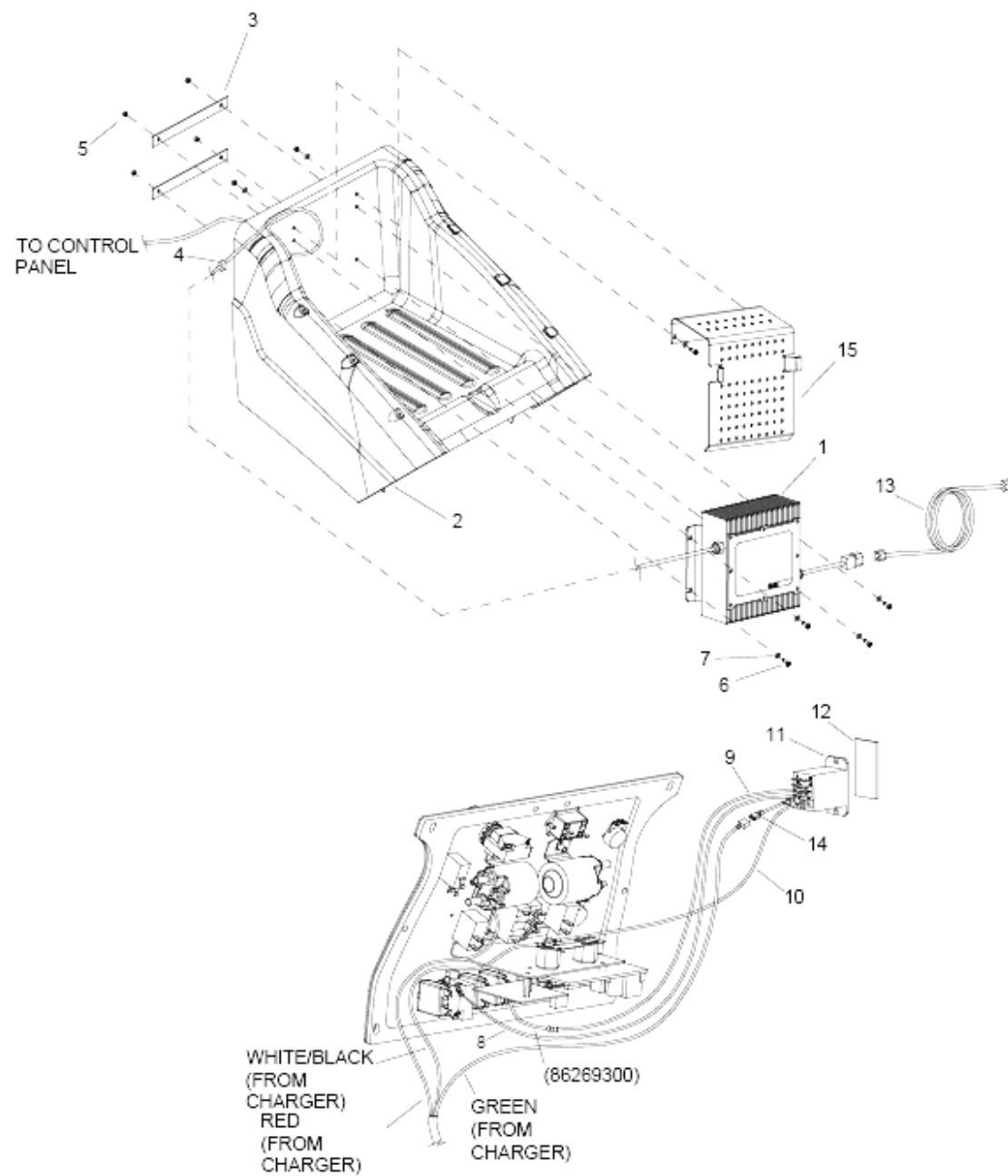
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POS	Article no.	Description	Quantity	Unit	Remark
-	8.626-930.0	WIRE, 16" RED/18 STRIP X STRIP	1.000	ST	NOT SHOWN
1	8.600-718.0	Switch EMERGENCY STOP	1.000	ST	



## 9350 ACCESSORY PUMP

POS	Article no.	Description	Quantity	Unit	Remark
-	8.623-902.0	HARNES PUMP KIT ADAPTER	1.000	ST	NOT SHOWN
-	8.626-494.0	Cable tie 11.38" UL/CSA	3.000	ST	NOT SHOWN
1	8.601-067.0	WASHER, 5/16 FLT SS	1.000	ST	
2	8.627-649.0	SCREW, 5/16-18 X .625 HHCS SS	1.000	ST	
3	8.623-315.0	CLAMP, 3/8 HOSE (D-SLOT)	6.000	ST	
4	8.607-014.0	BRKT, FILTER/SOLENOID MOUNT	1.000	ST	
5	8.624-041.0	HOSEBARB, 1/2 TEE	1.000	ST	
6	8.628-220.0	HOSE 3/8ID WIRE BOUND X 40"	1.000	ST	
7	8.600-155.0	HOSEBARB, 3/8MPT X3/8 90D	1.000	ST	
8	8.602-637.0	PUMP ASM, 24V ACCESSORY	1.000	ST	
9	8.619-794.0	HOSEBARB, 3/8MPTX1/2 90D DL	1.000	ST	
10	8.627-099.0	NUT, 10-32 HEX NYLOCK SS	4.000	ST	
11	8.601-065.0	WASHER, .203 X .562 X .040 FLT	4.000	ST	
12	8.619-762.0	HOSEBARB, 1/4MPT X 3/8 45D DL	1.000	ST	
13	8.600-247.0	COUPLING, 1/4 ANCHOR W/1" HEX	1.000	ST	
14	8.600-559.0	Nipple 1/4 CLOSE	1.000	ST	
15	8.600-558.0	Nipple 1/4 FPT QD	1.000	ST	
16	8.628-211.0	HOSE, 1/2ID WIRE BOUND X 5.5"	1.000	ST	
17	8.628-075.0	HOSE, 1/2ID WIRE BOUND X 21"	1.000	ST	



## 9360 BATTERY CHARGER - SCC326

POS	Article no.	Description	Quantity	Unit
1	8.623-294.0	CHRGR, 24V 25A OBC ALG 7	1.000	ST
2	8.603-181.0	COVER, TOP, 24V GRY OBC	1.000	ST
3	8.607-343.0	BRKT, CHARGER DELTA-Q	2.000	ST
4	8.622-655.0	GROMMET, 1/2 ID X 1/4 GROOVE	1.000	ST
5	8.600-581.0	NUT, 1/4-20 HEX NYLOCK SS	6.000	ST
6	8.627-549.0	SCREW, 1/4-20 X 1 SCHBTNHCS BLKOX	6.000	ST
7	8.627-952.0	WASHER, 1/4 FLT STL BLK ZNPLT	8.000	ST
8	8.626-801.0	WIRE, 20" RED/16 76033 X STRIP	1.000	ST
9	8.626-800.0	WIRE, 12" RED/16 76033 X 76009	1.000	ST
10	8.626-802.0	WIRE, 20" BLK/16 76001 X 76033	1.000	ST
11	8.625-145.0	RELAY, 15A 24V MINI	1.000	ST
12	8.613-340.0	TAPE, 1/32T X 1.0 2SA	0.125	FT
13	8.623-439.0	CORD ASM, 16/3 SJTW X 2M IEC	1.000	ST
14	8.626-806.0	WIRE, 2" GRN/16 76033 X 76044	1.000	ST
15	8.607-539.0	COVER, CHARGER DELTA-Q	1.000	ST

## **Serial Number**

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<b>REF. NO.</b>	<b>MODEL: SERIAL #</b>
1	10052380000328, 10052390000285, 10052430000082, 10052440000037, 10052860000024, 10052820000001