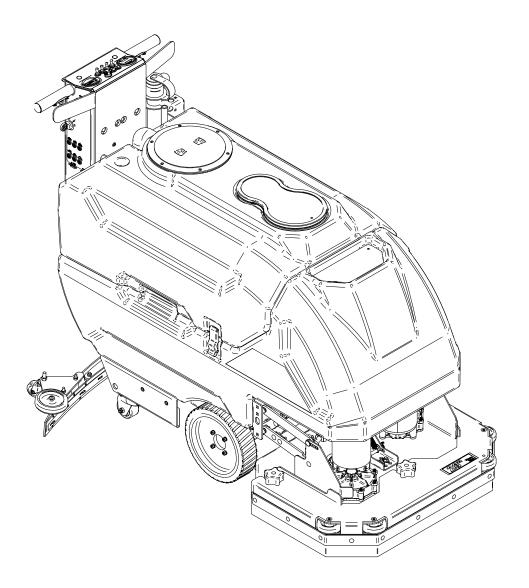


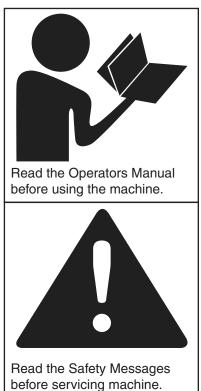


Operator Manual (EN)

Models:

28" & 32" Disk 26" & 30" Cylindrical 24" & 28" Orbital





INTRODUCTION

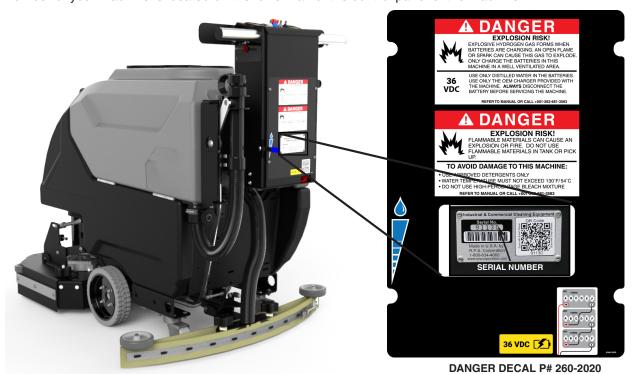
This manual is furnished with each new machine. This manual will allow the Operator to get the best performance out of your RPS manufactured Scrubber-Drier, Sweeper, Burnisher, or Orbital Scrubber. Read this manual thoroughly before operating or servicing the machine.

This machine will provide excellent performance, but the best results will be obtained at the most minimum costs if:

- The machine is regularly maintained per the Authorized Local Distributor.
- The machine is operated with reasonable care and caution.
- The machine is maintained with manufacturer supplied parts.

Locate Serial Number

The serial number of your machine is located on the lower half of the control panel of the machine.



AS OUR POLICY IS ONE OF CONSTANT IMPROVEMENT - ALL INFORMATION AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Intended use

The Kodiak K25 walk-behind scrubber is intended for commercial applications with hard floor surfaces such as concrete, VCT, tile and grout, stone, ect. This machine is not designed to clean carpets or sand wooden surfaces. Use only OEM pads/brushes and commercially available floor cleaning detergents. Do not use this machine other than described in this Operator Manual.

Machine Data

Fill out while installing machine for future reference.
Model No
Serial No
Installation Date

Uncrating Machine

Inspect machine for damage before unloading, if any damage has occurred report it to the carrier. Contact distributor or RPS Corp. for missing components.

Remove protective shipping frame then locate and unscrew the metal bracket connecting the machine to the pallet. Before removal the scrub head should be in the raised position. Using the supplied ramp carefully back the machine off the pallet.

2

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Important Safety Messages

You will see four kinds of safety reminders in this manual:

DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

ACAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury or damage to this machine or nearby objects. CAUTION also can be used to alert against unsafe practices.

A WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

NOTICE

NOTICE indicates information considered important, but not hazard-related. This safety message may be related to property damage or warranty warnings.

Your safety, and that of others, is very important. Operating this machine safely is an important responsibility.

DO NOT OPERATE THIS MACHINE:

- Unless you are trained and authorized to do so by your RPS Authorized Local Distributor
- Unless you have read and understood this Operator's Manual
- On surfaces with greater than a 3° slope.
- Within 25' (8m) of Loading Docks

WHEN OPERATING THIS MACHINE:

- Remove loose objects from the floor that could be projected from the rotating Brushes
- Keep your hands and feet away from the rotating Brushes
- Do not operate this machine where flammable liquids, vapors, or dust are present
- Use caution when maneuvering

BEFORE LEAVING THE MACHINE:

- Drain "clean" Solution & "dirty" Recovery solution into APPROVED drains
- Park the machine on a level surface
- Turn the machine off & remove key

BEFORE SERVICING THE MACHINE:

• Disconnect the Batteries

A DANGER

Explosive hydrogen gas forms when Batteries are charging. An open flame or spark can cause this gas to explode. Serious personal injury or property damage could occur. Only charge the Batteries in this machine in a well ventilated area.

ADANGER

Flammable materials can cause an explosion or fire. Do not use flammable materials in Tank or pick up.

A WARNING

The Batteries in this machine produce hazardous voltage which can cause electrical shock, burns and/ or electrocution. Always disconnect Batteries before servicing this machine.

A WARNING

When climbing or descending ramps, always drive machine forward. To avoid overturning the machine, Do not back down ramps. Do not drive across inclines. Do not turn while ascending or descending ramps. Overturning the machine can cause serious injury or death.

A WARNING

Do not use water that exceeds 135°F / 57°C. If water is above said temperature, this will void the Tank Warranty.

A WARNING

Do not park this machine on ramps or slopes. Always park this machine on a level, hard surface. Do not operate this machine outdoors or on uneven surfaces.

A WARNING

The Batteries in this machine contain sulfuric acid, which causes burns to skin. If battery acid contacts clothing or skin, rinse the effected area with cold water immediately. If battery acid gets on your face or in your eyes, flush the area immediately with cold water and seek medical attention.

A WARNING

To avoid electrical shock, do not operate this machine over electrical floor outlets.

ACAUTION

To avoid damage to this machine, use only cleaning solutions and replacement parts recommended by the manufacturer.

ACAUTION

Do not operate this machine if any parts have been damaged or removed.

A WARNING

Dress safely. Do not wear rings or metal wrist watches when servicing this machine, as they can cause an electrical short circuit which can cause serious burns.

AWARNING

Do not remove, paint over or destroy warning decals. If warning decals become damaged, call 1-262-681-3583 for free replacements.

A WARNING

Dress safely. Do not wear a neck tie, scarf, or any loose or dangling clothing while operating this machine. Loose or dangling clothing or neck-wear can tangle in rotating parts, causing serious injury or death.

A WARNING

Always turn off this machine before leaving it unattended. Do not allow untrained persons to operate this machine.

A WARNING

NO RIDERS. Do not carry passengers on this machine. Do not use this machine as a stepladder or work platform.

AWARNING

Understand the dynamic braking system before you operate the machine on ramps. Machine may coast.

AWARNING

Before you service a Battery, always wear face protection, protective gloves and protective clothing. Battery acid or battery explosion can cause serious injuries.

ACAUTION

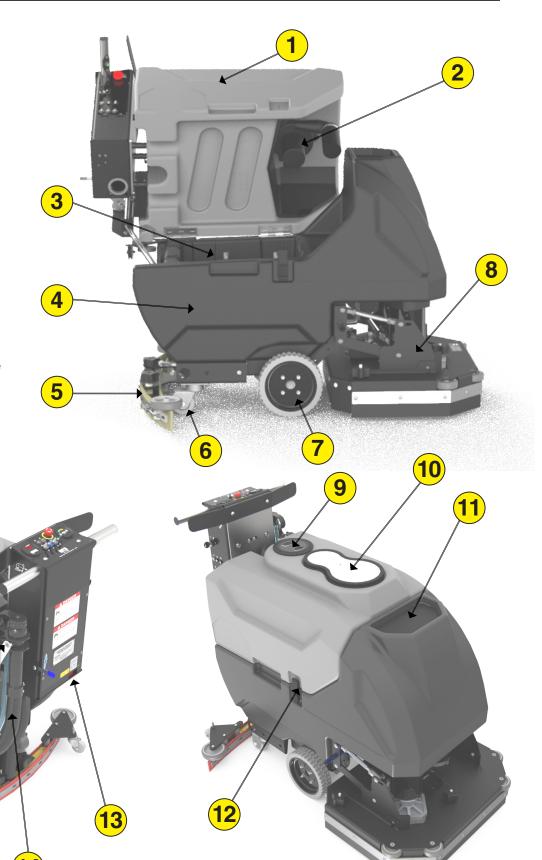
Always use the automatic battery charger provided by the manufacturer of this machine to charge the Batteries of this machine. It is designed to charge the Batteries at the appropriate rate. If you must use a different charger, disconnect the Batteries before charging to avoid damage to the electronic speed controller.

ACAUTION

To avoid damage to the electronic control components of this machine, Do not store this machine outdoors. Do not pressure wash this machine.

Machine Overview

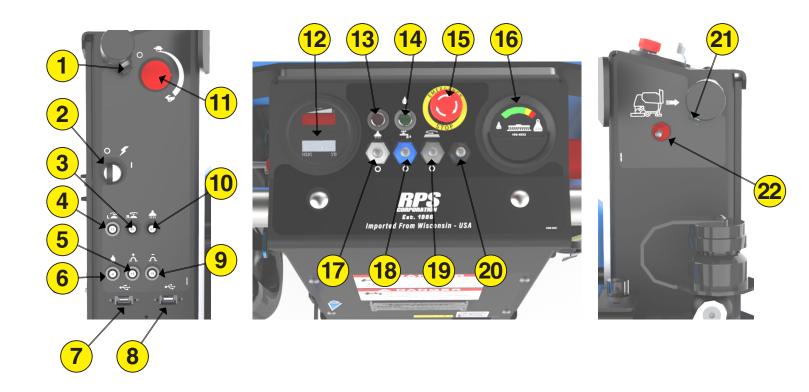
- 1. Recovery Tank
- 2. Vac Motor
- 3. 3x 12VDC Batteries
- 4. Solution Tank
- 5. Squeegee
- 6. Rear Caster Wheel
- 7. Tire
- 8. Scrub Deck
- 9. Recovery Tank Clean Out
- 10. Foam Float Ball & White Filter
- 11. Solution Fill
- 12. Tank Latch
- 13. Charging Port
- 14. Recovery Drain Hose
- 15. Solution Sight Tube & Drain Hose
- 16. Squeegee Lever



Central Command Overview

- 1. Drive Switch
- 2. Key Switch
- 3. Right Brush Circuit Breaker
- 4. Left Brush Circuit Breaker
- 5. Positive BUSS Circuit Breaker
- 6. Pump Circuit Breaker
- 7. USB Port (Optional)
- 8. USB Port (Optional)
- 9. Negative BUSS Circuit Breaker
- 10. Vac Circuit Breaker
- 11. Speed Control Knob

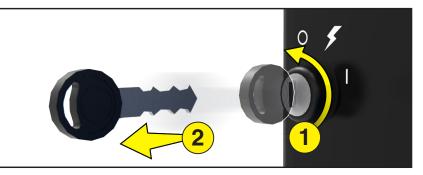
- 12. Battery Guage/Hour Meter
- 13. Vac Clog Indicator Light (Optional)
- 14. Solution Indicator Light
- 15. E-Stop
- 16. Brush Pressure Gauge
- 17. Vac Switch I/O
- 18. Solution Switch I/O
- 19. Deck Switch Up (I) / Down (O)
- 20. Down Pressure Toggle Switch (Optional)
- 21. Drive Switch
- 22. Reverse Switch

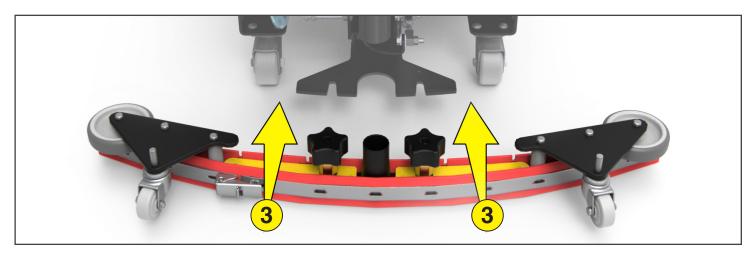


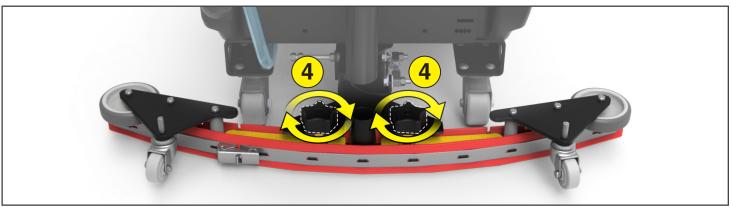


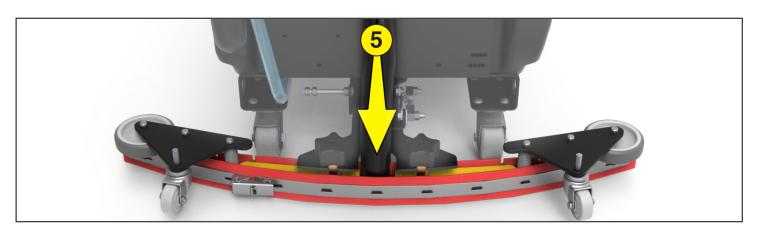
Squeegee Installation







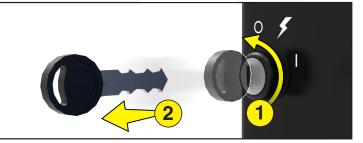


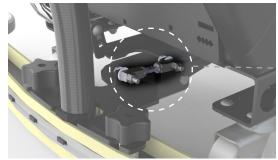


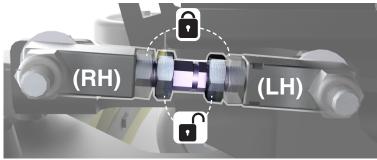


Squeegee Adjustment



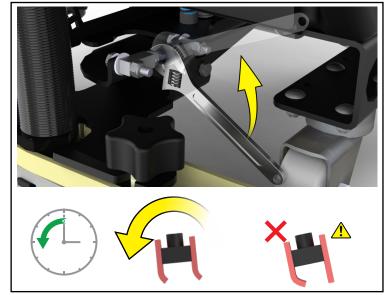


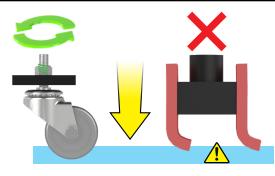


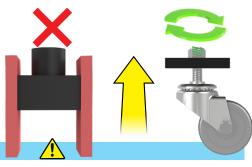




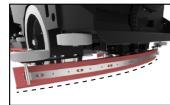


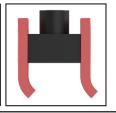














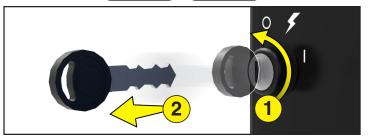
OPERATION

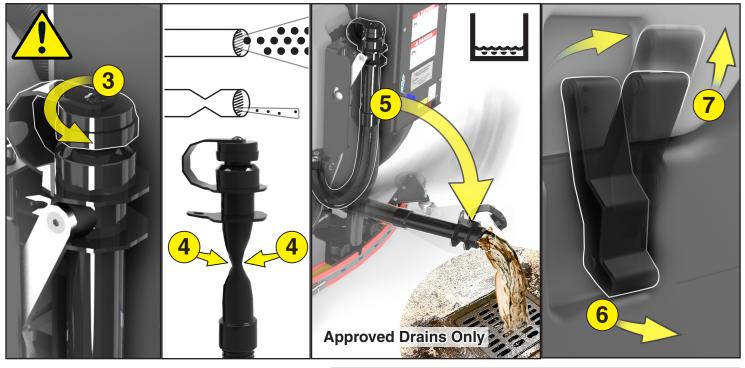




Battery Setup









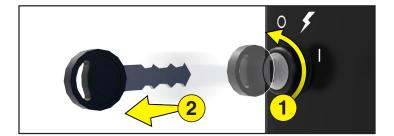


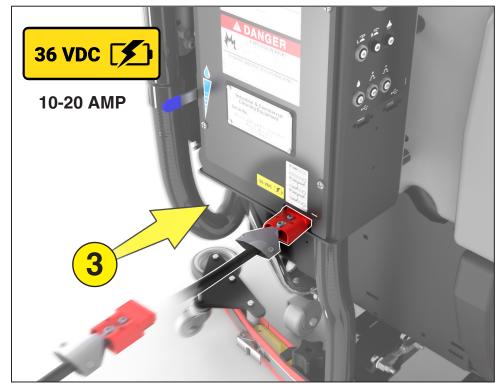


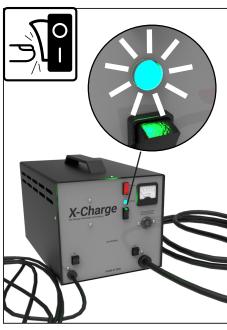


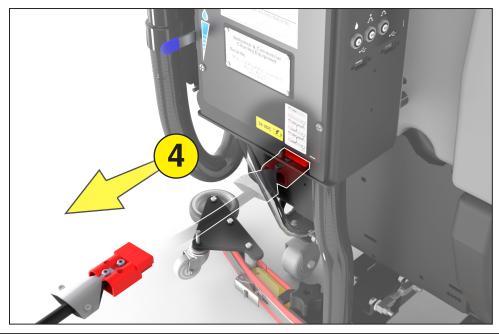
Battery Charger Use











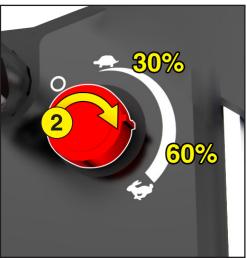


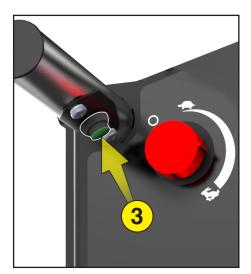
OPERATION

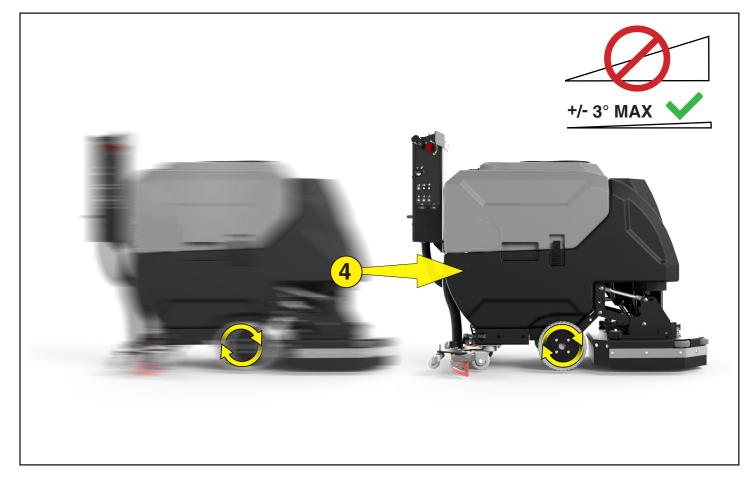
Forward Drive







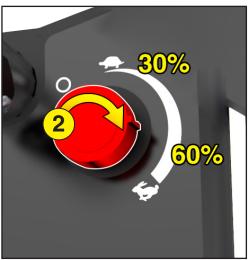




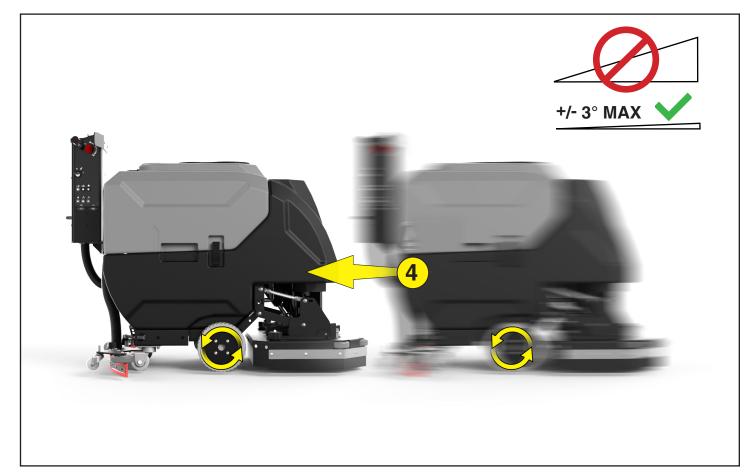


Reverse Drive







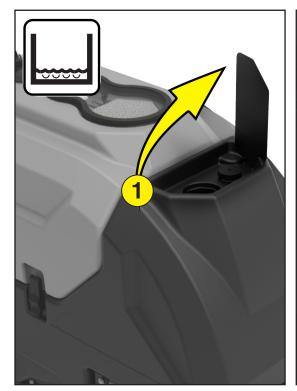


OPERATION

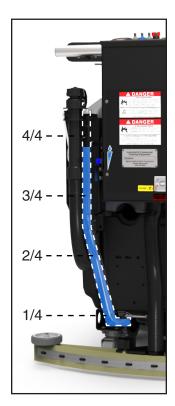
Fill Solution Tank

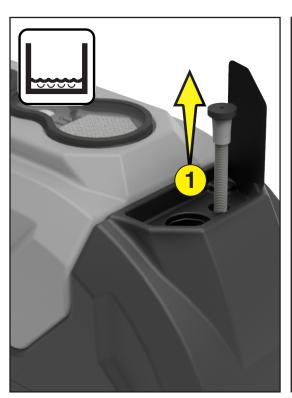


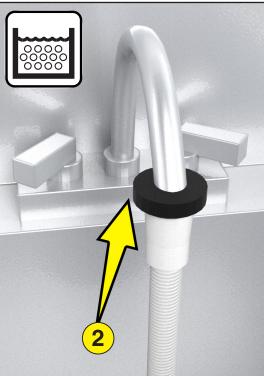


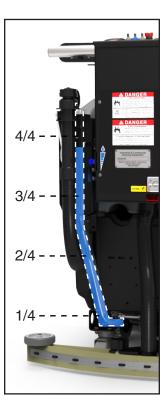








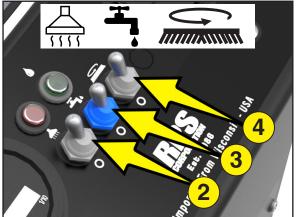


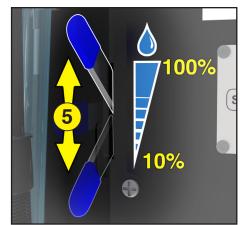


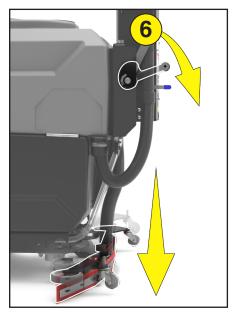


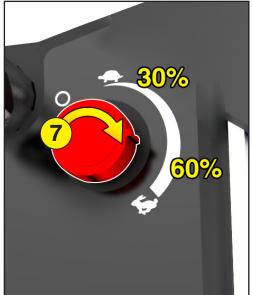
Scrubbing

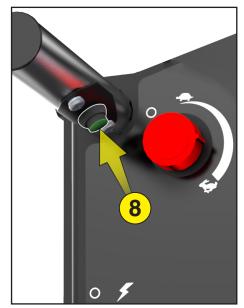


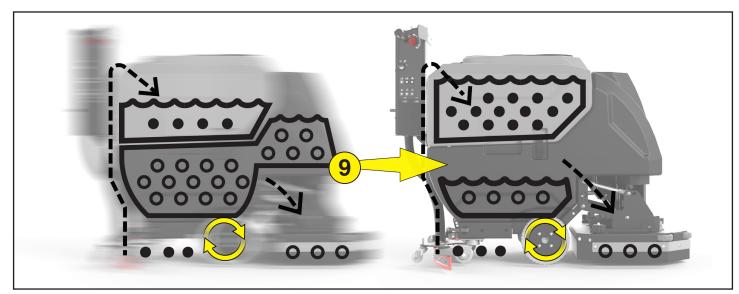












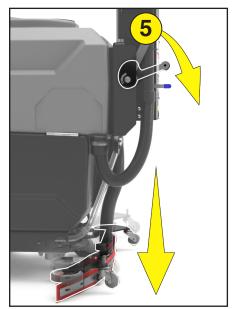
OPERATION

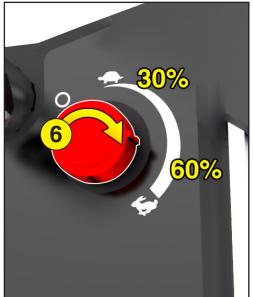
Drying

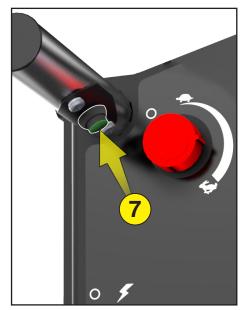


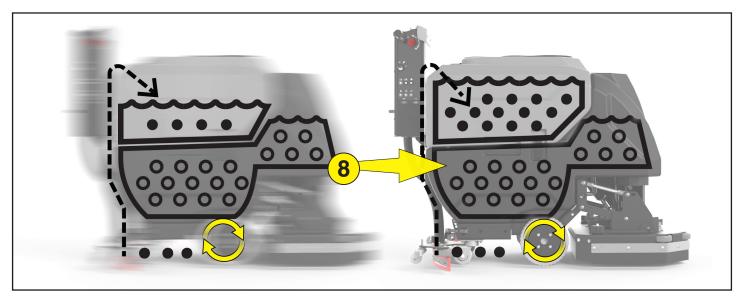








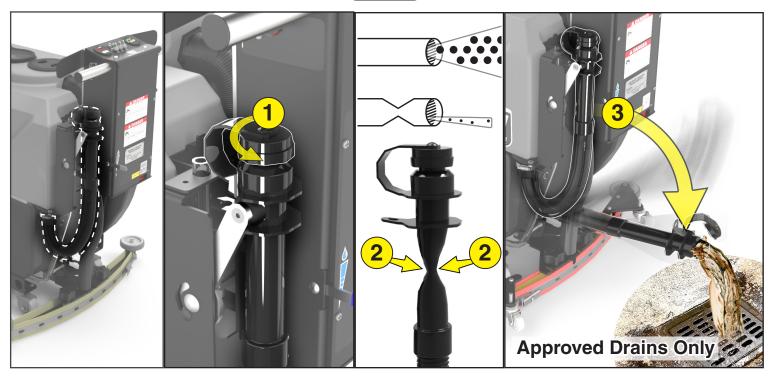








Drain Recovery Tank



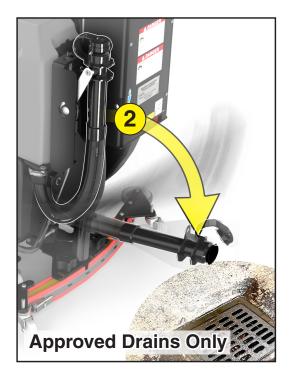


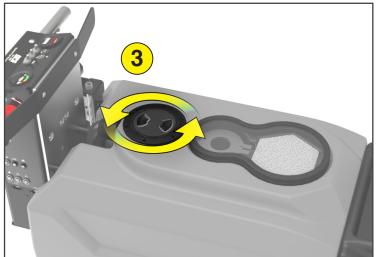


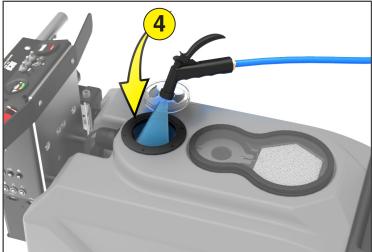
Flushing Recovery Tank







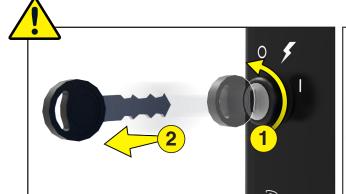


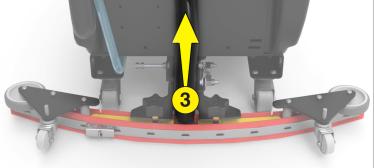


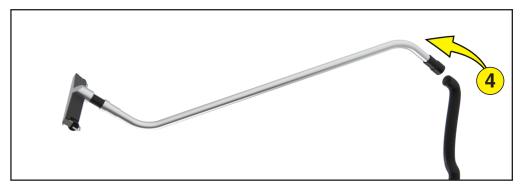




Vac Wand











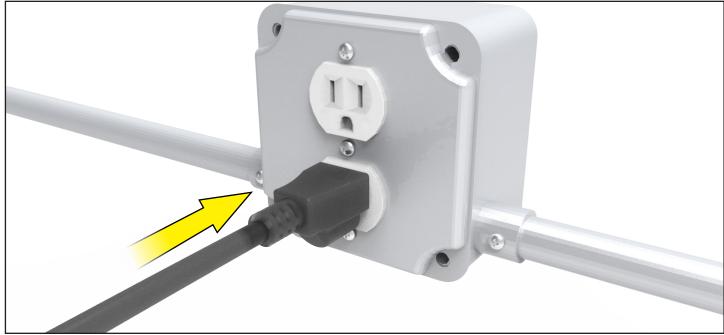


OPTIONS

Onboard Charger









Brush Pressure +/-



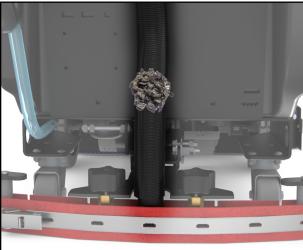


OPTIONS

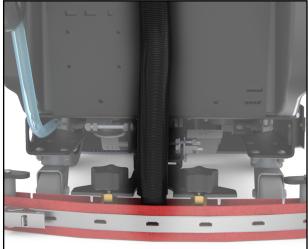
Vac Clog Light







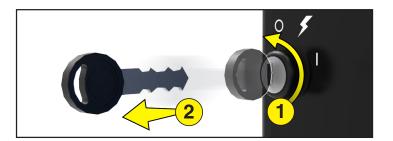


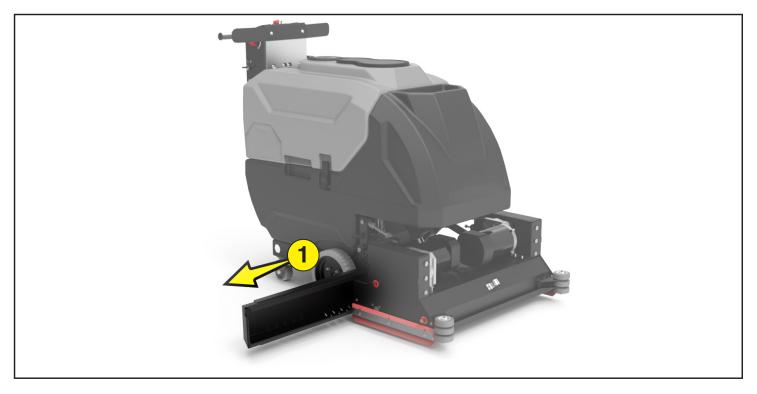


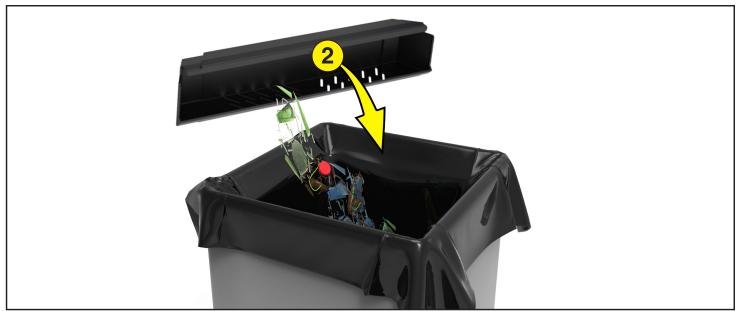


Clean Cylindrical Hopper







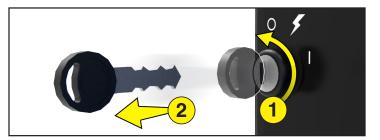


DAILY MAINTENANCE

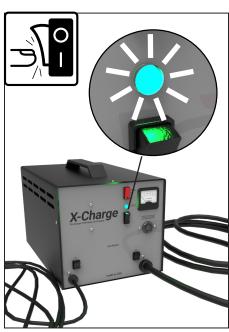


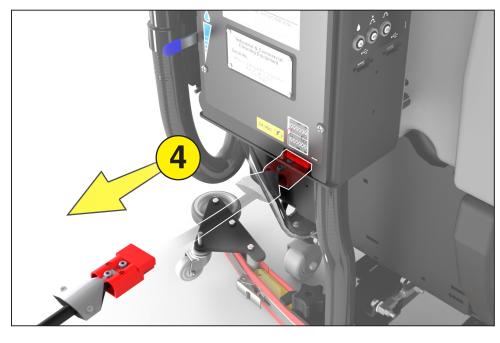
Charge Batteries

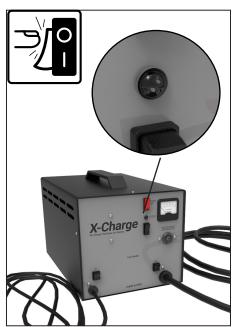








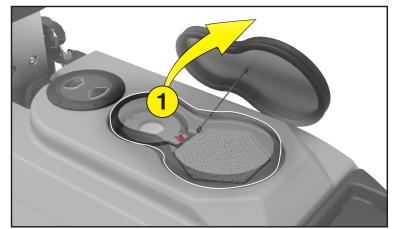


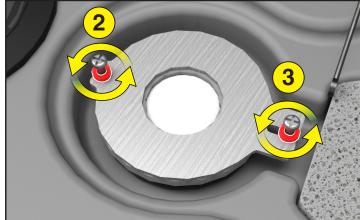


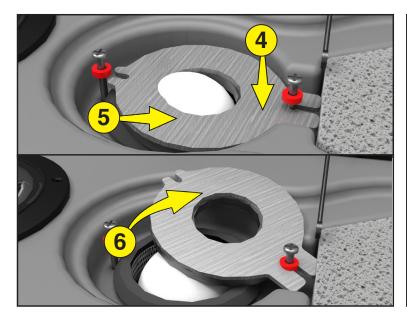


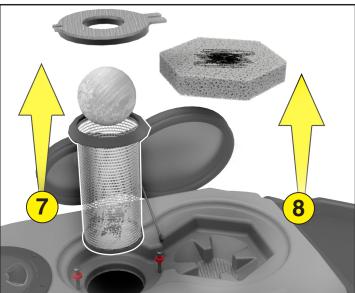


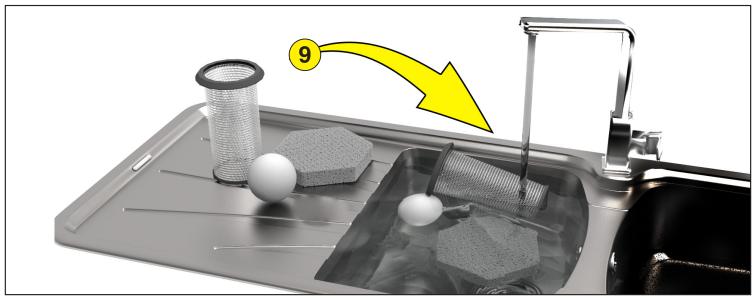
Clean White Filter/Screen









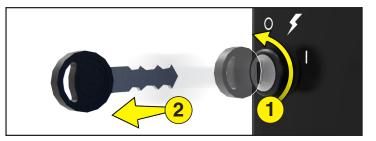


WEEKLY MAINTENANCE (<25 HRS)

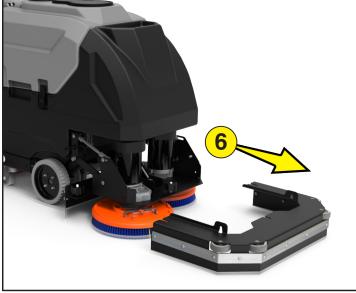


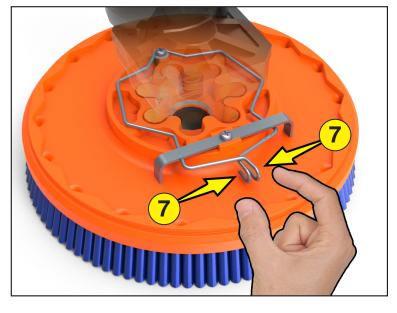
Rotate Disk Brushes











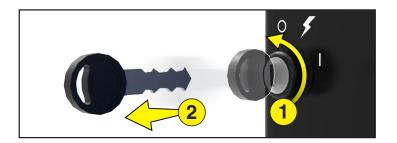


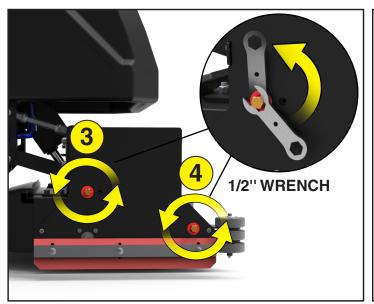


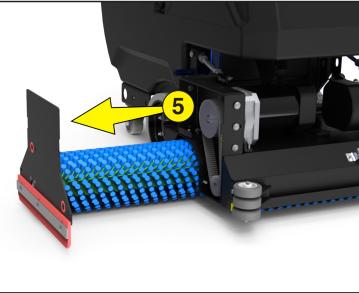


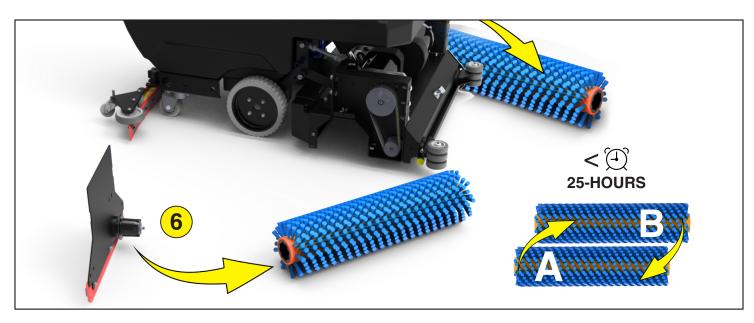
Rotate Cylindrical Brush









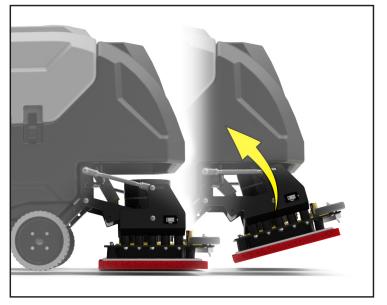


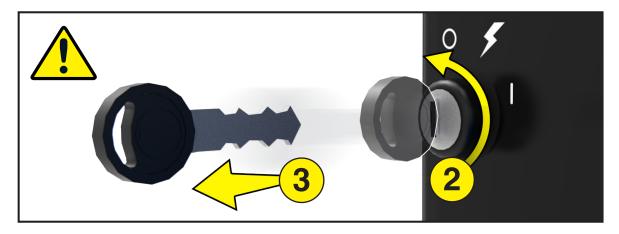
WEEKLY MAINTENANCE (<25 HRS)

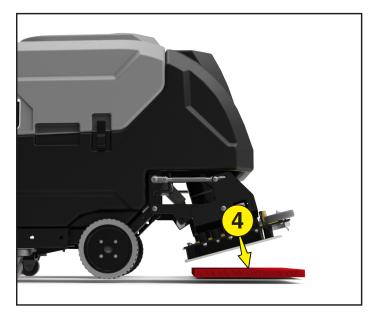


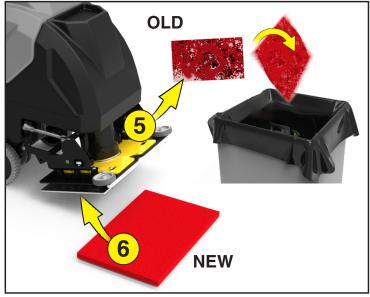
Replace Orbital Pads











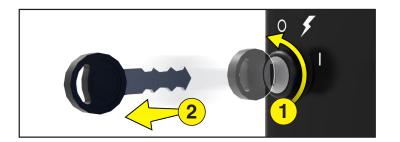






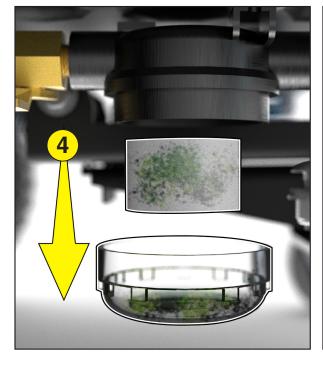
Clean Solution Filter









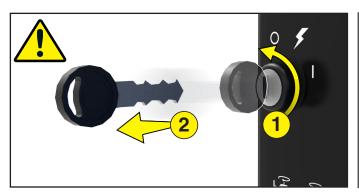


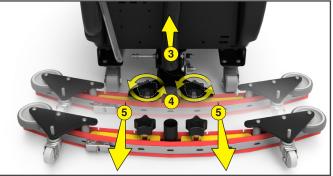


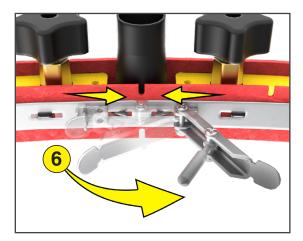
WEEKLY MAINTENANCE (<25 HRS)

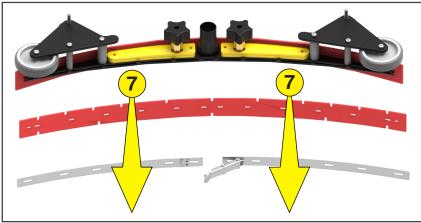


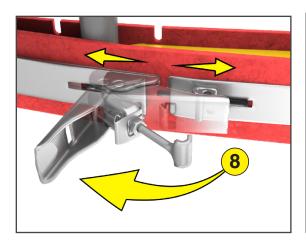
Squeegee Blade Replacement

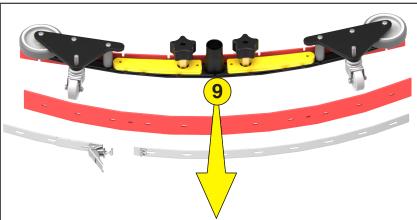


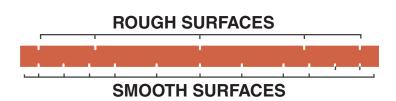


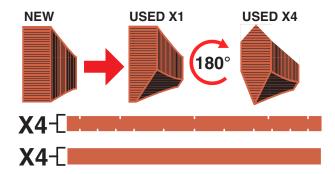










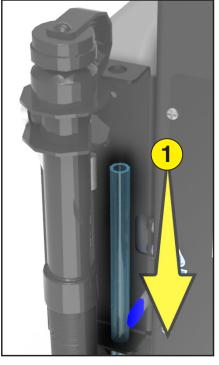


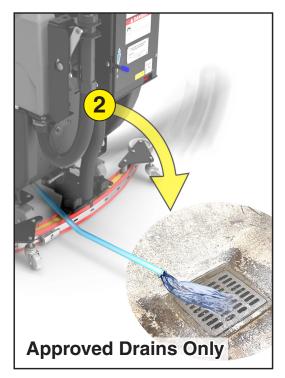


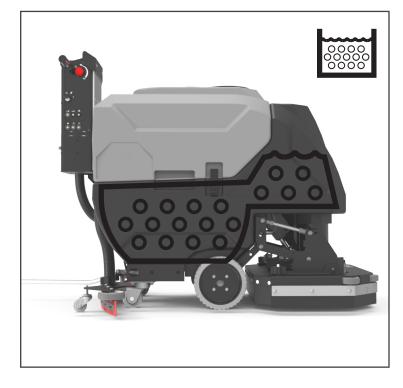


Drain Solution Tank









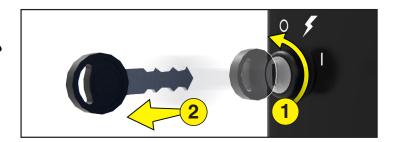


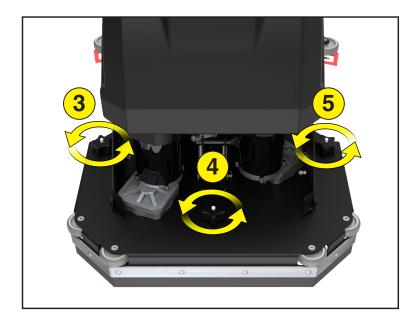
MONTHLY MAINTENANCE (<100 HRS)

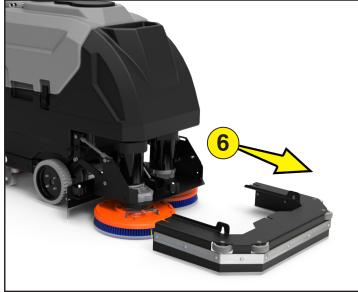


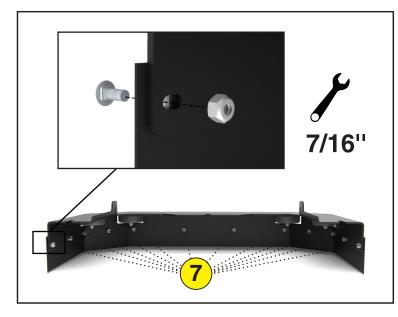
Deck Shroud Curtain Replacement

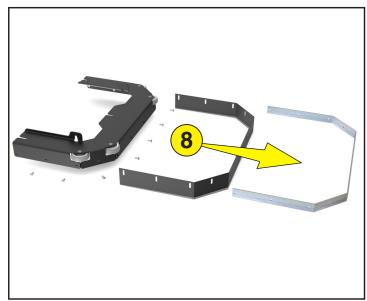










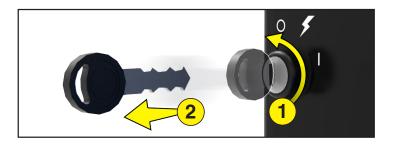


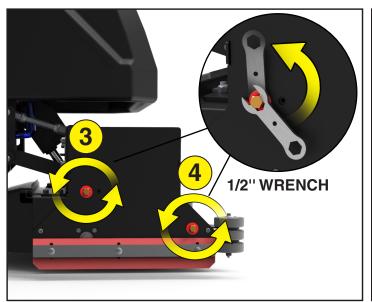


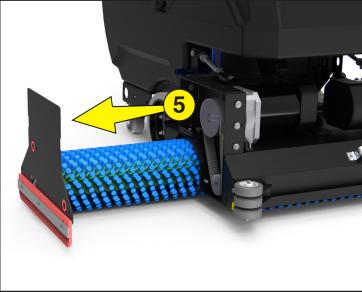
MONTHLY MAINTENANCE (<100 HRS)

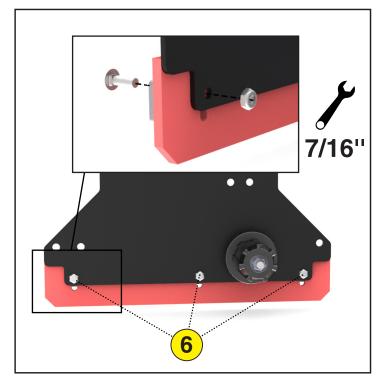
Cylindrical Side Wiper Replacement

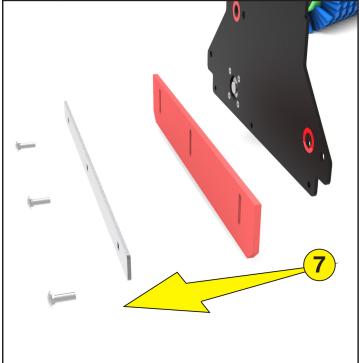












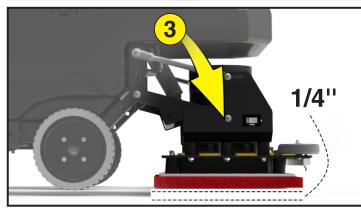
MONTHLY MAINTENANCE (<100 HRS)

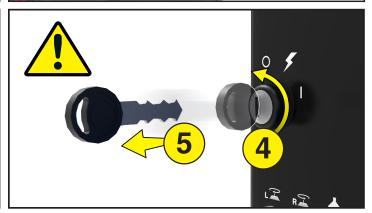


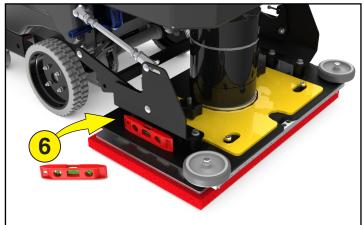
Deck Leveling

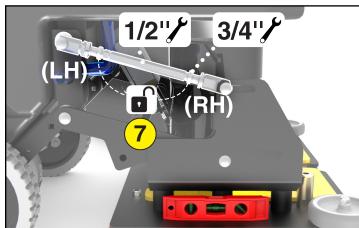


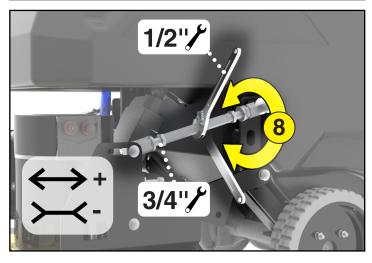














Common Wear Parts

EDGE PADS AND SCREENS:

DESCRIPTION	24"×14" SCRUBDECK	28"×14" SCRUBDECK
White Pad	N/A	EDGE-4054
Red Pad	EDGE-2404	EDGE-4053
Blue Pad	EDGE-2403	EDGE-4052
Green Pad	EDGE-2402	EDGE-4051
Black Pad	EDGE-2401	EDGE-4050
White Driver Pad	N/A	EDGE-4058
60 Grit Sand Screen	N/A	EDGE-4059
80 Grit Sand Screen	N/A	EDGE-4060
100 Grit Sand Screen	N/A	EDGE-4061
120 Grit Sand Screen	N/A	EDGE-4062
150 Grit Sand Screen	N/A	EDGE-4063
400 Grit HD Non Woven Polishing Pad	N/A	300-2014400
800 Grit HD Non Woven Polishing Pad	N/A	300-2014800
1500 Grit HD Non Woven Polishing Pad	N/A	300-20141500
3000 Grit HD Non Woven Polishing Pad	N/A	300-20143000
6000 Grit Diamond Poly Pad	N/A	EDGE-4070
Tile/Grout Renovator Pad	N/A	EDGE-4048
Dominator HD Strip Pad	N/A	EDGE-4055
Maroon ECO Prep Pad	EDGE-2407	EDGE-4056
Microfiber Pad	EDGE-2436	EDGE-6036

Common Wear Parts

ROUND DISK BRUSHES:

NOTICE

The ## in Disk Column Denotes Desk Pad Size: 14", 16"

BRUSHES	DISK	LEVEL
Midi Grit	706-##C	Medium
Light Grit	706-##PS	Moderate
Nylon	706-##N	Light
Pad Driver	706-##D	
Pad Driver Pad Retainer	#40-433	
Pad Driver Spring Clip	#40-423	

ROUND DISK PADS:

NOTICE

The ## in Disk Column Denotes Desk Pad Size: 14", 16"

DISK PADS	DISK	LEVEL	COLOR
Super Black	##-422BB	Very High	Black
Black	##-422B	High	Black
Brown	##-422BR	High	Brown
Green	##-422G	Medium	Green
Blue	##-422BL	Moderate	Blue
Red	##-422R	Moderate	Red
White	##-422W	Light	White

CYLINDRICAL BRUSHES:

BRUSHES	MODEL 26" CYLINDRICAL	MODEL 30" CYLINDRICAL	LEVEL
Midi Grit	75-246C	75-286C	Medium
Light Grit	75-246PS	75-286PS	Moderate
Nylon	75-246N	75-286N	Light

Squeegee Blade Kits

SQUEEGEE BLADE KITS & COMPLETE SQUEEGEE ASSEMBLIES:

SQUEEGEE SIZE	24" DECK	26" DECK	28" DECK	30" DECK	32" DECK
41" Squeegee	Optional	Optional	Optional	Standard	Standard

SQUEEGEE SIZE	LINATEX BLADE KIT	GUM RUBBER BLADE KIT	URETHANE BLADE KIT	NANORADE BLADE KIT	COMPLETE SQUEEGEE ASSEMBLIES
41" Squeegee	241-770L	241-770G	241-770U	241-756N	241-7180

SQUEEGEE MATERIAL:	USED FOR:
LINATEX	Provides best wear and tear resistance. Not designed for use with harsh chemicals.
URETHANE	Provides best resistance when dealing with harsh chemicals, oils, fuels, etc.
GUM	Provides best drying performance on rough/grouted floor types by sealing over irregularities. Short life.
NANORADE	Increased durability, optimal water pick up and reduced friction.

NOTICE

Squeegee blade kits include (1) Rear Blade, (1) Front Blade, and (2) Caster Wheels with hardware.

NOTICE

Squeegee Assemblies (complete) listed above all come with Nanorade blades.



PM Sheet



K25 Series Scrubber PM Sheet

CUSTOMER & MACHINE INFORMATION					
Customer:		Email:			
Address:			Phone:		
City:	State:	Zip:	Contact:		
Serial #:	Model #:		Work Order #:		

 $NOTE: Start\ with\ Machine\ filled\ at\ least\ with\ \frac{1}{2}\ Tank\ of\ water.\ \ Turn\ ON\ Machine\ and\ Test\ Functionality\ of\ Machine\ and\ Test\ Functionality\ of\ Machine\ Machine\ Annex of\ Machine\ M$

CHECK OPERATION & CONDITION OF	IN SPEC	REPAIR	PROBLEM	
Key Switch				
Battery Gauge				
Deck Up / Down – Brush Switch				
Brush Pressure +/- Toggle (Optional)				
Vacuum Switch - ON / OFF				
Squeegee Lever - Up/Down				
Solution Switch - ON/OFF				
Solution Flow Lever +/-				
Green Drive Buttons - L & R				
Reverse Toggle Switch				
E-Stop (Optional)				

NOTE: Drain Solution & Recovery Tank fully. Rinse out Recovery Tank

CLEAN & INSPECT – SOLUTION TANK	IN SPEC	REPAIR	PROBLEM
Solution Fill Screen - Mesh			
Solution Fill Hose (Optional)			
Solution Inline Filter			
Vacuum Muffler Drain Hose			
Battery Drain Hose			

BRUSH CONDITION – SCRUB DECK			
Deck Curtains/Wipers	Good	Worn	Needs Replacement
Brush Sockets: (2-Disk)/(4-Cylindrical)	Good	Worn	Needs Replacement
Brush Drivers: (2-Disk)/(4-Cylindrical)	Good	Worn	Needs Replacement
Scrub Brush Fiber Length	Brush 1 Length:	Brush 2 Length:	Rotated Brushes: Y / N

CLEAN & INSPECT – SCRUB DECK	IN SPEC	REPAIR	PROBLEM	
Scrub Deck Linkage Pivot Points				
Scrub Deck Lift Actuator				
Scrub Deck Level (Orbital Only)				
Scrub Motor Wires				

CLEAN & INCRECT COLLECCE	IN SPEC	REPAIR	PROBLEM	
CLEAN & INSPECT - SQUEEGEE	IN SPEC	REPAIR	PROBLEIVI	
Remove and Wipe off Squeegee				
Check and Rotate Blades as Needed				
Caster Wheels and Height				
Pitch Adjust				
Check Pivot and Knobs				
Squeegee Vac Hose				

CLEAN & INSPECT – RECOVERY TANK	IN SPEC	REPAIR	PROBLEM
Recovery Tank Lid & Gasket			
Vacuum Float Ball Screen			
Vacuum Box White Filter			
2" Round Final Vac Screen			
Solution Site Tube			

CLEAN & INSPECT – DRIVE	IN SPEC	REPAIR	PROBLEM
Drive Wheels & Casters Condition			
Grease Caster Swivel			

PG. 1

PM Sheet



K25 Series Scrubber PM Sheet

Imported	From Wiscons	n-USA	<i>y</i>		K25 Series Scrubber Pivi Sneet
BATTERY #1	HYDROMETER READING	WATER CLARITY (Circle One)	WATER LEV (Circle On		36V
Cell A		Clear Dark	Overfilled Fu	ıll Low	
Cell B		Clear Dark	Overfilled Fu	ıll Low	(A (A (A (A (A (A (A (A (A (A
Cell C		Clear Dark	Overfilled Fu	ıll Low	T B B B
Cell D		Clear Dark	Overfilled Fu	ıll Low	12VDC 12VDC 12VDC
Cell E		Clear Dark	Overfilled Fu	ıll Low	
Cell F		Clear Dark	Overfilled Fu	ıll Low	
BATTERY #2	HYDROMETER READING	WATER CLARITY (Circle One)	WATER LEV (Circle On		6 6 6
Cell A		Clear Dark	Overfilled Fu	ıll Low	
Cell B		Clear Dark	Overfilled Fu	ıll Low	
Cell C		Clear Dark	Overfilled Fu	ıll Low	Battery 3 Battery 2 Battery 1
Cell D		Clear Dark	Overfilled Fu	ıll Low	
Cell E		Clear Dark	Overfilled Fu	ıll Low	
Cell F		Clear Dark	Overfilled Fu	ıll Low	X +>0
BATTERY #3	HYDROMETER READING	WATER CLARIT (Circle One)	/ WATER LE (Circle Or		
Cell A		Clear Dark	Overfilled Fu	ıll Low	X
Cell B		Clear Dark	Overfilled Fu	ıll Low	
Cell C		Clear Dark	Overfilled Fu	ıll Low	LEAD (Pb)
Cell D		Clear Dark	Overfilled Fu	ıll Low	
Cell E		Clear Dark	Overfilled Fu	ıll Low	
Cell F		Clear Dark	Overfilled Fu	ıll Low	
	NSPECT - BATTERIE	S IN SP	EC	REPAIR	R PROBLEM
Battery Te Battery Ca				-	
	ttery Nuts 11ft/lbs			+	
	, ,			<u> </u>	

OPERATE & CONFIRM	IN SPEC	REPAIR	PROBLEM	
Fill Solution Tank – ¾ Full				
Scrub & Dry				
Fine Tune Squeegee Adjustments				

COMMENTS & RECOMMENDATIONS		
Servicing Distributor:		
	La.	
Technician's Name:	Date:	Signature:
Customer's Name:	Date:	Signature:

Battery Chargers

Console / WET / Domestic Chargers:



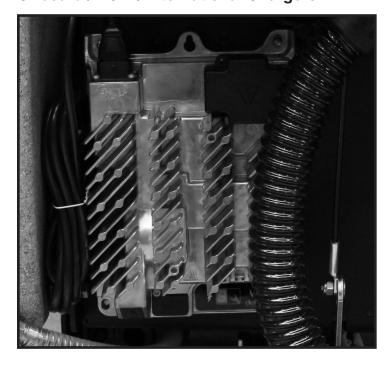


AC Power IN: 120VAC / 60Hz DC Power OUT: 36VDC / 25A

Please refer to OEM Charger Operating Instructions for more information.



Onboard / AGM / International Chargers:



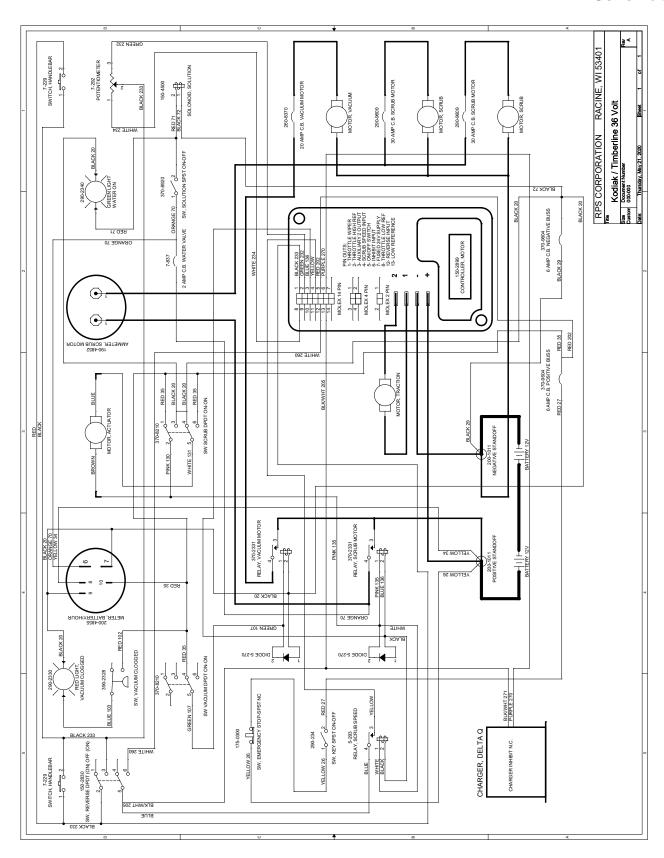


AC Power: 80-270VAC / 50-60Hz **DC Power OUT:** 36VDC / 18A

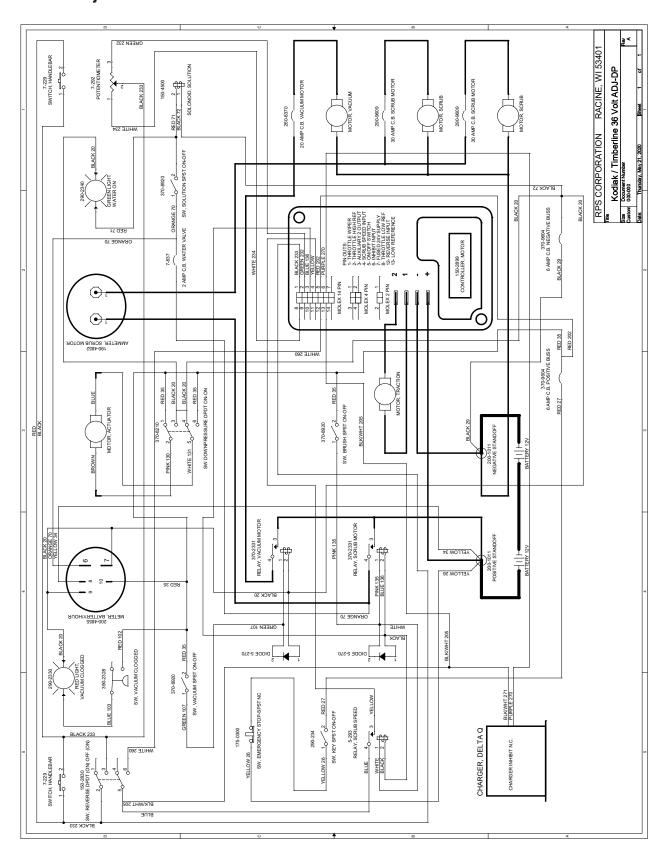
Please refer to OEM Charger Operating Instructions for more information.



Schematics



Schematics Adjusted Down Pressure



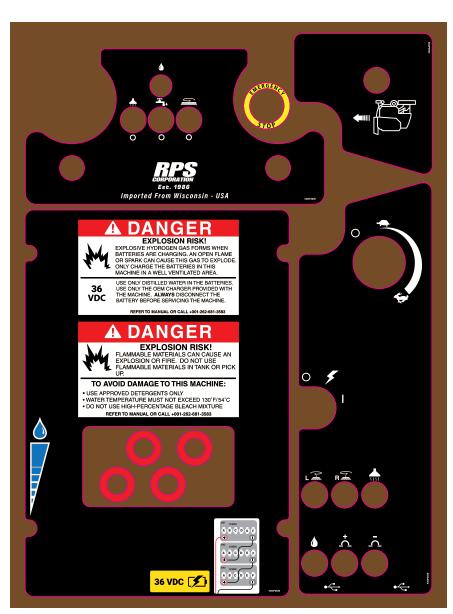
Decals

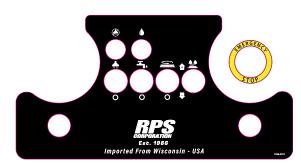




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P# 260-1525





P# 260-2012



P# 260-028D



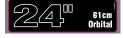
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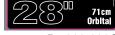
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P# 260-030C



P# 260-0240



P# 260-028O

P# 260-2020





