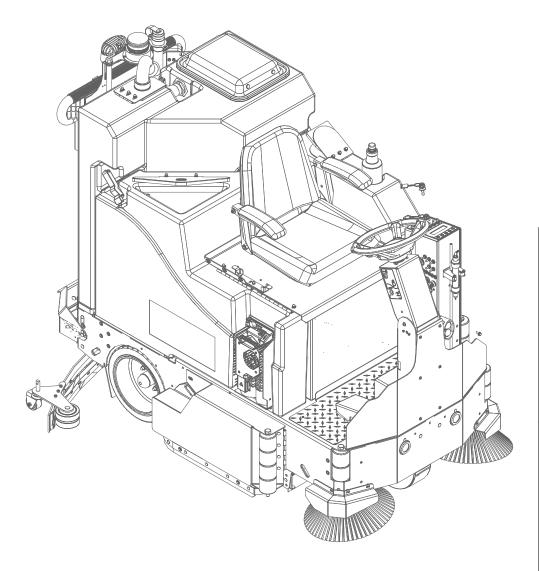
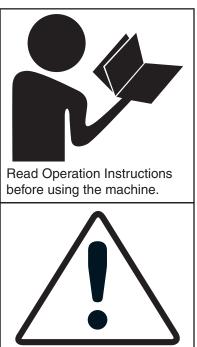




# **Operating Instructions (EN)**





Read the Safety Messages before using the machine.

#### 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 steering column of the machine.





## **TABLE OF CONTENTS**

Introduction	2
Locate Serial Number	2
Table Of Contents	3
Safety Messages	4
Safety Labels	6
Central command Dashboard controls (Military, Legacy, Touch Screen)	7
Central Command Side Panel Controls	8
Legacy LCD Screen	9
Touch Screen (Optional)	10
Touch Screen Symbols (Optional)	11
Touch Screen Zone Operation (Optional)	12
Touch Screen Zone Programming (Optio	<b>nal)</b> 13
LCD Screen	14
steering col Controls	15
Service Cabinet	16
Spray Jet Controls (Optional)	17
Suds Controls (Optional)	18
ZERO3 Controls (Optional)	19
Manager Lock Outs	20
Headlights & Work-lights (Optional)	21
Side Broom System (Optional)	22
Legacy Econ Switch	23
Battery Setup	24
Remove Squeegee	25
Adjust Squeegee	26
Transportation - Forward	27
Transportation - Reverse	28

Fill Solution Tank	29
Operation - Scrubbing	30
Draining Recovery Tank	31
Draining Solution Tank	32
Flushing Recovery Tank	33
Clean Drain Saver & Vac System	34
Clean Cylindrical Hopper	35
Remove Disk Brushes	36
Remove Cylindrical Brushes	37
Parking Brake	38
Battery Chargers	39
P&G Controller Common Error Co	<b>des</b> 40
Touch Screen Error Codes	41
PM Sheet	44
Common Wear Parts	46
Round Disk Brushes: Round Disk Pads:	
Cylindrical Brushes:	
Military CC - Status Light Codes	48

#### **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 an 2% / 3.49° grade
- On 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
- Wear PPE

#### **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
- Wear PPE













## **ADANGER**

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.

**- 4 -** TC-HD-V2-OP-EN

#### **AWARNING**

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 130°F / 54°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.

#### **A** WARNING

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.

#### **AWARNING**

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.

#### **A** WARNING

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

## **A** WARNING

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**

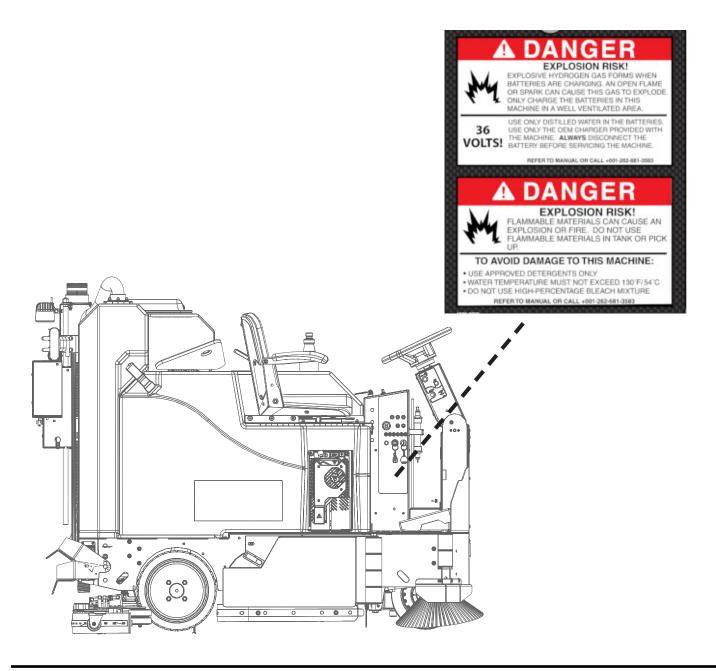
To avoid damage to the electronic control components of this machine, Do not store this machine outdoors. Do not pressure wash this machine.

TC-HD-V2-OP-EN - 5 -

#### **SAFETY LABELS**



Read and obey all Safety Labels on your equipment. If you have questions about these labels, ask your supervisor. These images indicate where on the Safety Labels are located. If ever the labels become illegible, worn off, or torn, promptly report it to your supervisor and replace it.



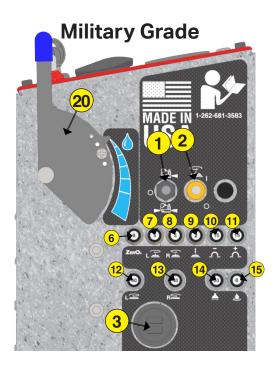
#### CENTRAL COMMAND DASHBOARD CONTROLS (MILITARY, LEGACY, TOUCH SCREEN)

# Military Grade Legacy Touch Screen Touch Screen

- 1. Key Switch On (I) / Off (O)
- 2. Reverse Switch
- 3. Vac Switch
- 4. Solution Switch
- 5. Scrubdeck Switch
- 6. Down pressure Switch
- 7. Full Recovery Tank Light
- 8. Empty Solution Tank Light
- 9. ZERO3 Light
- 10. Vac Clog Light
- 11. Military Battery Gauge / Hour Meter Combo
- 12. Military Down Pressure Gauge
- 13. Legacy LCD Screen
- 14. Legacy Quick Start Button
- 15. Status Indicator Light

TC-HD-V2-OP-EN - **7** -

#### **CENTRAL COMMAND SIDE PANEL CONTROLS**









- 1. Head Lights/ Tail Lights
- 2. Side Brooms On (I) / Off (O)
- 3. Dual USB Voltmeter
- 4. Suds Switch 125:1/ 250:1/ Off (O)
- 5. ZERO3 On (I) / Off (O)
- 6. ZERO3 Circuit Breaker
- 7. Left Side Broom Circuit Breaker
- 8. Right Side Broom Circuit Breaker
- 9. Side Broom Lift Circuit Breaker

- 10. Negative BUSS Circuit Breaker
- 11. Positive BUSS Circuit Breaker
- 12. Left Brush Circuit Breaker
- 13. Right Brush Circuit Breaker
- 14. Vac Circuit Breaker
- 15. Solution Valve Circuit Breaker
- 16. Full Recovery Tank Indicator Light
- 17. Empty Solution Tank Indicator Light
- 18. Zero3 Indicator Light
- 19. Vac Indicator Light

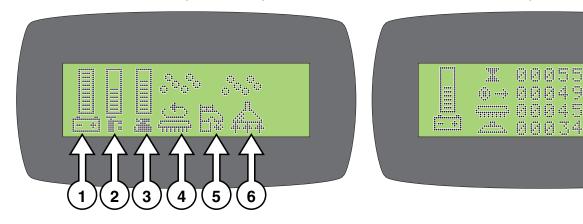
- 20. Solution Control Lever
- 21. Hour Meter Button
- 22. Dual Manager Lockout Solution/Downpressure
- 23. ECON switch Max (locked) Min (unlocked)



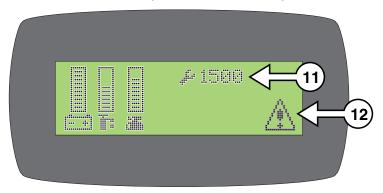
#### **LEGACY LCD SCREEN**

#### SCREEN #1 (OPERATOR)

#### **SCREEN #2 (MAINTENANCE)**



#### **SCREEN #3 (WITH ERROR CODE)**



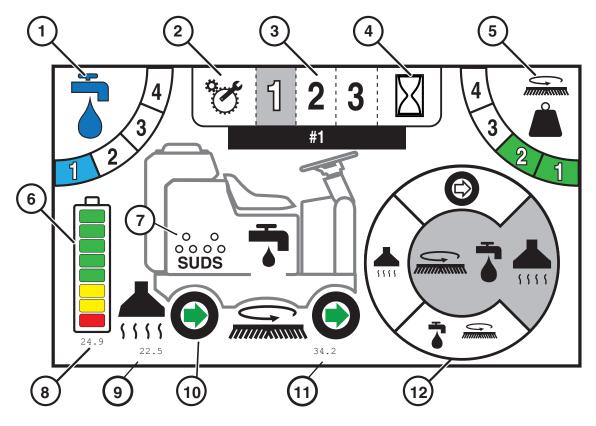
#### \*\* USE GREEN MENU SELECTION BUTTON ON CONTROL PANEL TO CHANGE SCREENS \*\*

- 1. BATTERY LEVEL INDICATOR Indicates the energy level remaining in the Batteries (Shown on all menu displays)
- 2. SOLUTION OUTPUT INDICATOR Indicates the gallons per minute (GPM) 0 1.0
- 3. SCRUBDECK DOWN PRESSURE INDICATOR Sets the down pressure on the Brushes / Pads
- 4. **SCRUB MOTORS ON** Indicates the Brush Motors are in operation
- 5. SOLUTION ON Indicates the solution flow is ON
- **6. VACUUM ON** Indicates the Vacuum is *ON*
- 7. KEY SWITCH HOUR METER Indicates total hours the machine has had keyswitch ON
- 8. TRANSPORT HOUR METER Indicates total hours the drive system has been in operation
- 9. SCRUB BRUSH HOUR METER Indicates total hours the brush motors have been in operation
- 10. VACUUM HOUR METER Indicates total hours the vacuum motor has been used
- 11. DIAGNOSTIC CODE Displays diagnostic code which helps troubleshoot issues
- 12. ERROR WARNING SYMBOL Indicates when there has been a diagnostic code error

TC-HD-V2-OP-EN - 9 -

#### **TOUCH SCREEN (OPTIONAL)**





- 1. SOLUTION OUTPUT Indicates the level of solution that is being dispensed when in operation, (0 = off, 1 = Low, 4 = High).
- 2. TECHNICAL / MANAGER SETUP Access 'Error Code History' and Manager Programming
- 3. PROGRAMMED ZONES Switch between preset solution and downpressure settings for varying applications
- 4. HOUR METERS Displays all of the hour meters of the machine: Key Switch, Transport, Scrub Motors, and Vacuum Motor
- 5. DOWN PRESSURE OUTPUT Indicates the level of downpressure that is being applied to the floor surface (1 = low, 4 = high).
- 6. BATTERY GAUGE Indicates the level of battery charge available and volt meter
- 7. SUDS (Onboard Chemical Dilution) indicator
- 8. ACTIVE VOLT & AMP DRAW Indicates the live DC Volts (under battery gauge) and Amp draw (under systems) when machine is running
- 9. AMP VAC CURRENT Indicates Vac power consumption
- 10. TRANSPORT INDICATION Green Forward & Red Rev
- 11. BRUSH DISK CURRENT Indicates Brush power consumption
- 12. OPERATION MODE SELECTOR Cycle through and select which operation mode you would like to work in



## **TOUCH SCREEN SYMBOLS (OPTIONAL)**

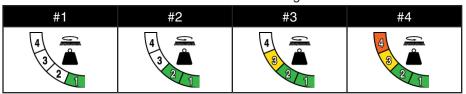
Mode Selection

Transport Only	Single Scrub	Double Scrub	Vacuum Only
2 = -		7	

Solution Setting

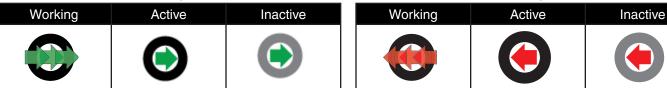


Down Pressure Setting



Forward Transport Motor

Reverse Transport Motor



Solution Flow

Working	Active	Inactive
555555	1111	5555

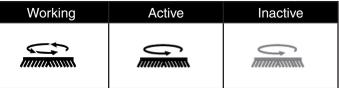
Vacuum Motor

Working	Active	Inactive
*	7	7

Suds

250:1 Dilution	125:1 Dilution	Inactive
0	o o	o o
SUDS	SUDS	SUDS

Scrub Deck Motor(s)



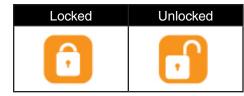
Setup



**Hour Meters** 



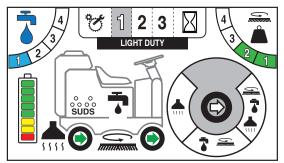
Zone Lock



TC-HD-V2-OP-EN - 11 -

#### **TOUCH SCREEN ZONE OPERATION (OPTIONAL)**





The touch screen is designed to be programmed to three specific zones. Each zone can be named and custom programmed or even disabled if not needed.

The zone you are working in is highlighted as indication. In Figure 1. the zone selected is Light Duty.

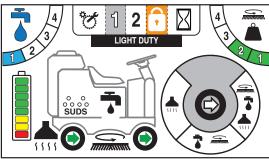


Figure 2. shows Zone 3 "locked out" by the indicator lock icon.

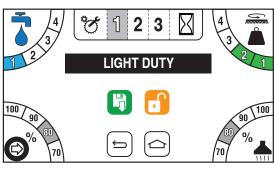


Figure 3. shows Zone 1 "Light Duty" Factory Configuration.

Water = 1

Downpressure = 2

Drive Speed = 70%

Vac Motor = 80%

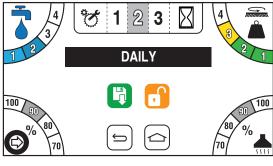


Figure 3. shows Zone 2 "Daily" Factory Configuration.

Water = 2

Downpressure = 3

Drive Speed = 90%

Vac Motor = 90%



Figure 3. shows Zone 3 "Heavy Duty" Factory Configuration.

Water = 3

Downpressure = 4

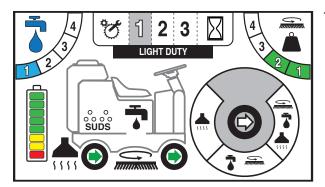
Drive Speed = 100%

Vac Motor = 100%

**- 12 -** TC-HD-V2-OP-EN

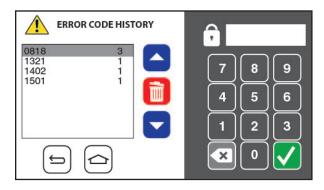


#### **TOUCH SCREEN ZONE PROGRAMMING (OPTIONAL)**

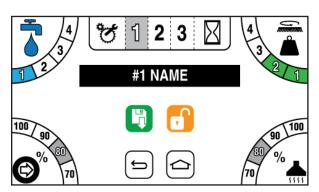


To program the 3 Zones, press





From here you will be prompted with a passcode screen. Enter the manager passcode 349 to get access to setup.



Once you have entered the password, you will see the Figure 3. screen where you can alter the name, solution output, down-pressure setting, scrubbing speed, and vacuum power.

Alternatively you can lock the Zone out from this screen, to prohibit operator use.

Once any of the 3 "Zones" is locked the remaining zones are no longer adjustable either by the operator.



To alter the name of a Zone, simply click on the black name box and a full keyboard will appear as Figure 4. shows. Enter new name and save your work with the Green save icon.

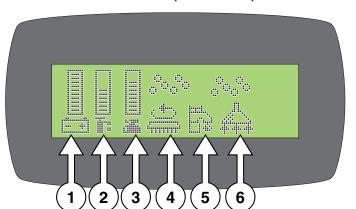
TC-HD-V2-OP-EN - 13 -

#### **LCD SCREEN**

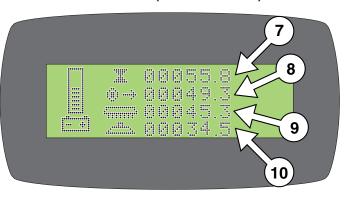


#### **SCREEN #1 (OPERATOR)**

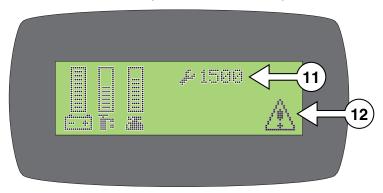




#### **SCREEN #2 (MAINTENANCE)**



#### **SCREEN #3 (WITH ERROR CODE)**



#### \*\* USE GREEN MENU SELECTION BUTTON ON CONTROL PANEL TO CHANGE SCREENS \*\*

- BATTERY LEVEL INDICATOR Indicates the energy level remaining in the Batteries (Shown on all menu displays)
- **SOLUTION OUTPUT INDICATOR** Indicates the gallons per minute (GPM) 0 1.0
- SCRUBDECK DOWN PRESSURE INDICATOR Sets the down pressure on the Brushes / Pads
- SCRUB MOTORS ON Indicates the Brush Motors are in operation
- 5. **SOLUTION ON** Indicates the solution flow is *ON*
- **VACUUM ON** Indicates the Vacuum is *ON* 6.
- 7. KEY SWITCH HOUR METER Indicates total hours the machine has had keyswitch ON
- TRANSPORT HOUR METER Indicates total hours the drive system has been in operation
- 9. SCRUB BRUSH HOUR METER Indicates total hours the brush motors have been in operation
- 10. VACUUM HOUR METER Indicates total hours the vacuum motor has been used
- 11. DIAGNOSTIC CODE Displays diagnostic code which helps troubleshoot issues
- 12. ERROR WARNING SYMBOL Indicates when there has been a diagnostic code error



## **STEERING COL CONTROLS**







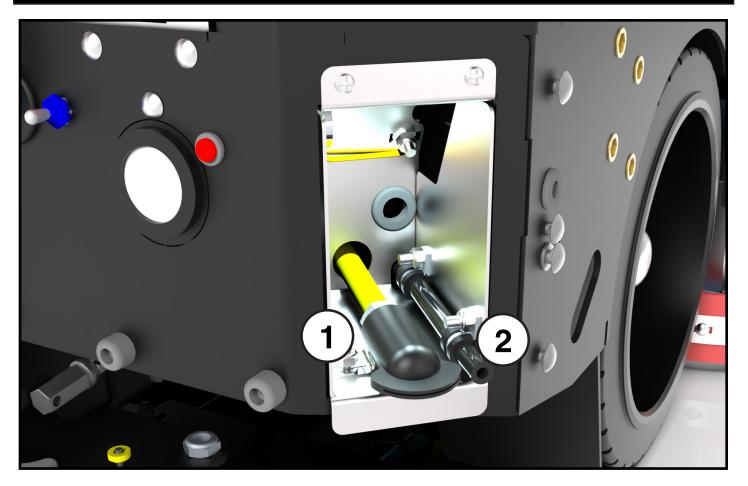




TC-HD-V2-OP-EN - **15** -

#### **SERVICE CABINET**





#### 1. VAC BOX UNLOADER:

Unloader valve for the Yellow Vac Box. Water present in the Yellow Vac Box will drain when vacuum is off.



#### 2. BATTERY DRAIN:

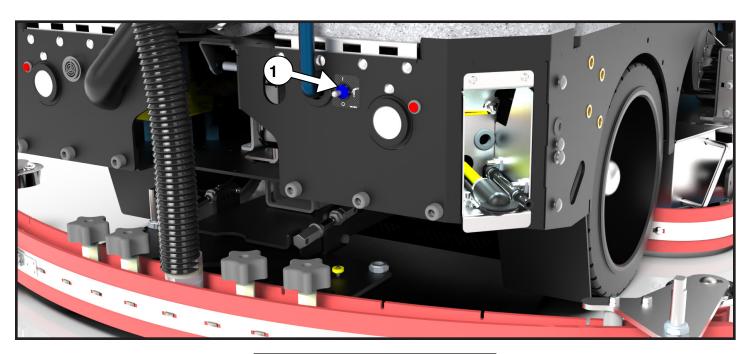
Drain any fluid from Poly Battery Box.



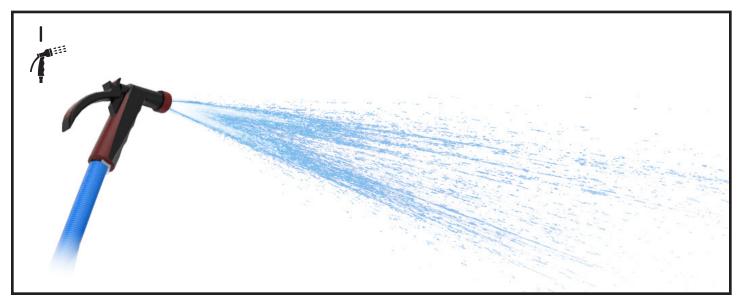
- 16 -TC-HD-V2-OP-EN



# **SPRAY JET CONTROLS (OPTIONAL)**





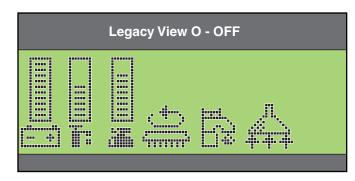


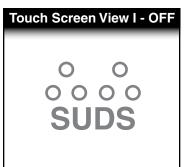
TC-HD-V2-OP-EN - 17 -

## **SUDS CONTROLS (OPTIONAL)**

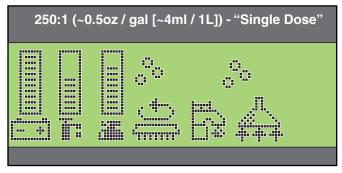


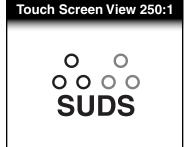




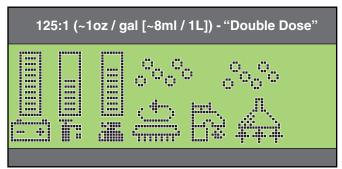


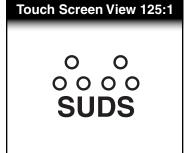




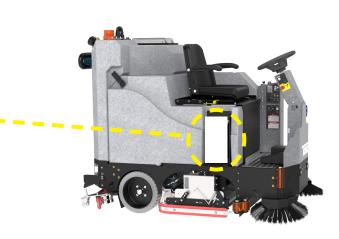








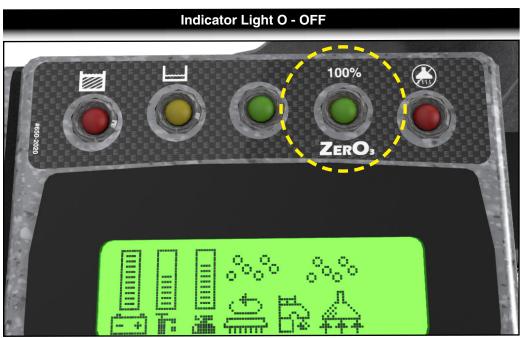




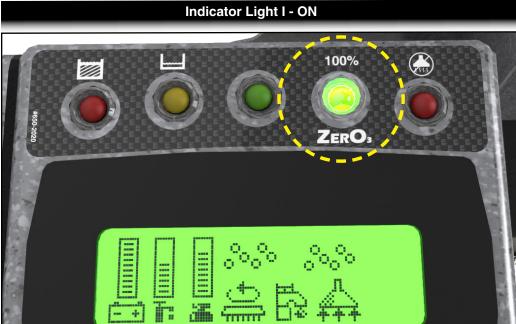


## **ZERO3 CONTROLS (OPTIONAL)**









TC-HD-V2-OP-EN - 19 -

#### **MANAGER LOCK OUTS**

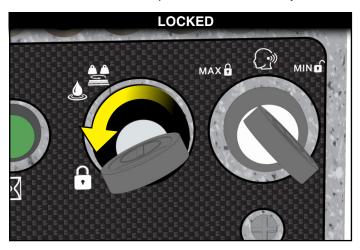




#### **CONTROLLING MANAGER LOCK OUTS:**

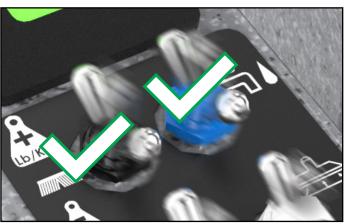
When the key is in the LOCKED position, keys can be removed and Solution OR Down-pressure cannot be adjusted.

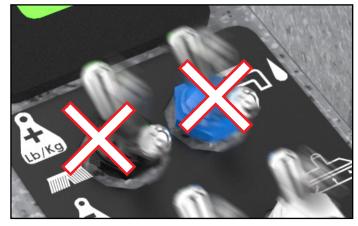


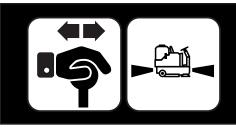








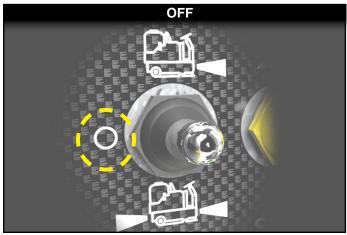




## **HEADLIGHTS & WORK-LIGHTS (OPTIONAL)**













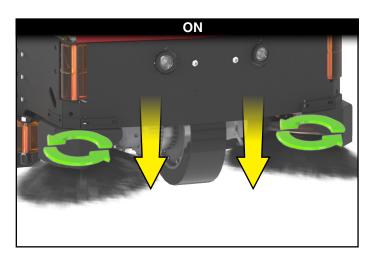
TC-HD-V2-OP-EN - 21 -

# SIDE BROOM SYSTEM (OPTIONAL)

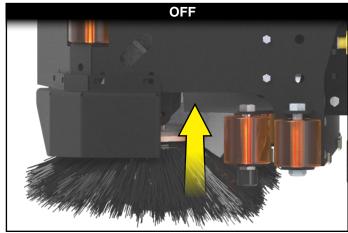


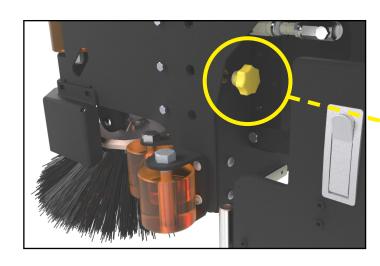


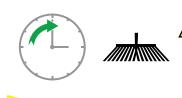


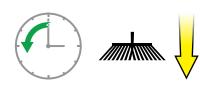






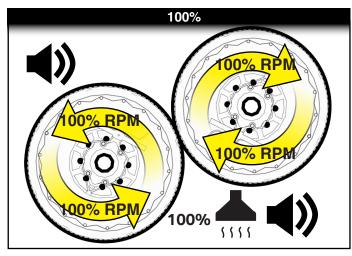




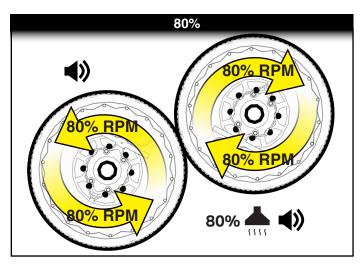














TC-HD-V2-OP-EN - 23 -

#### **BATTERY SETUP**



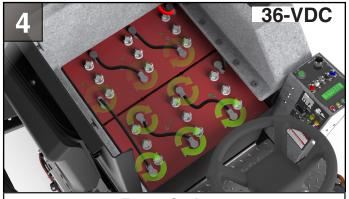












**Torque Settings:** 8-12 ft/lbs (10.8 - 16.3 Newton-meters)

Batteries are a possible environmental hazard. Consult your Battery supplier for safe disposal methods.

## **WARNING**

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















## **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.

- 24 -TC-HD-V2-OP-EN

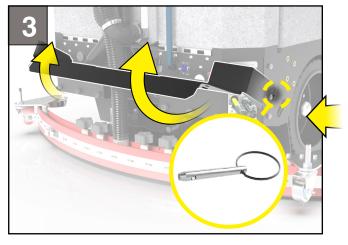


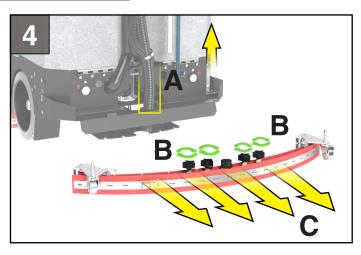
## **REMOVE SQUEEGEE**











TC-HD-V2-OP-EN - **25** -

# ADJUST SQUEEGEE

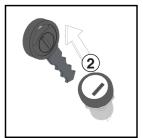


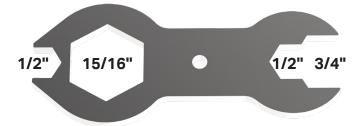


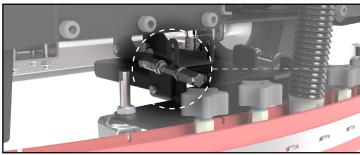


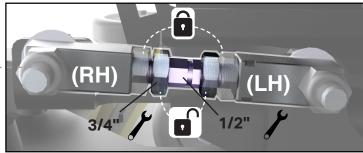


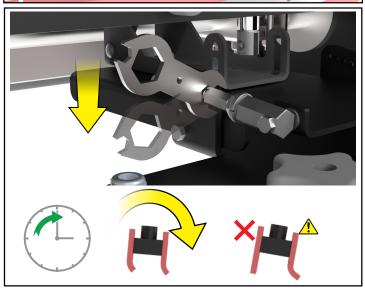


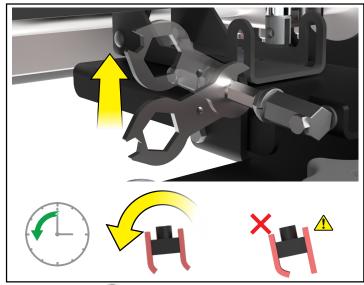


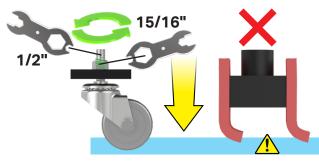


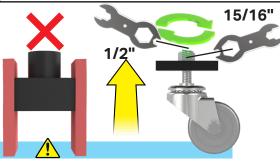




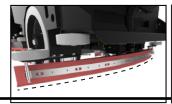














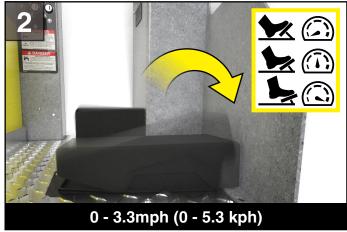


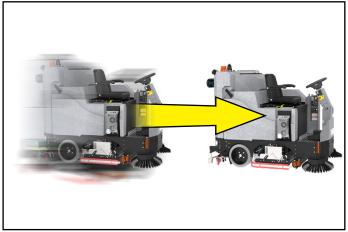


#### **TRANSPORTATION - FORWARD**













TC-HD-V2-OP-EN - 27 -

#### **TRANSPORTATION - REVERSE**

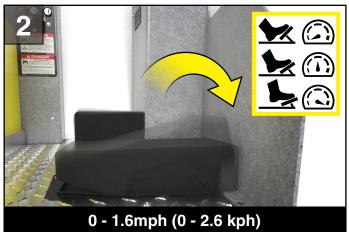


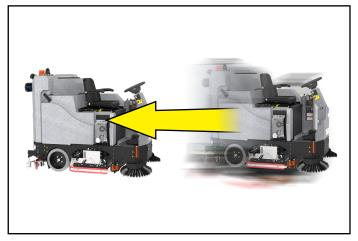












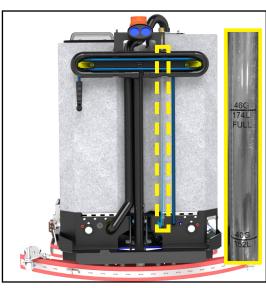




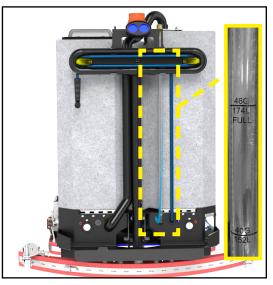


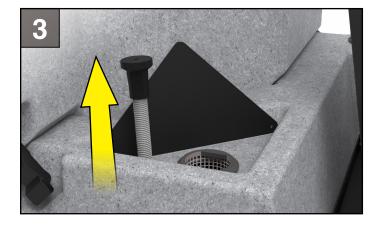
#### **FILL SOLUTION TANK**

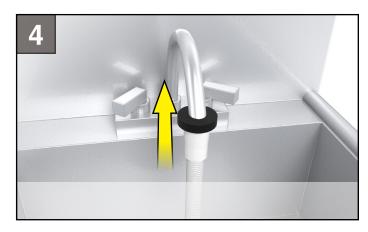












TC-HD-V2-OP-EN - 29 -

#### **OPERATION - SCRUBBING**







See page 7 for military grade controls

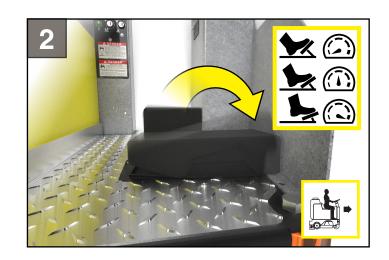


See page 7 for Legacy controls



See page 10 for Touch Screen Controls

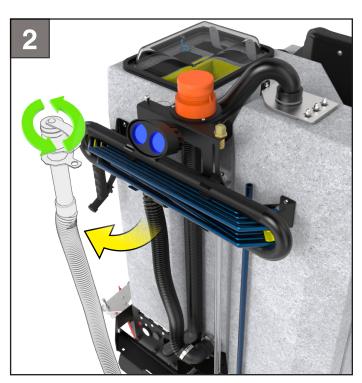


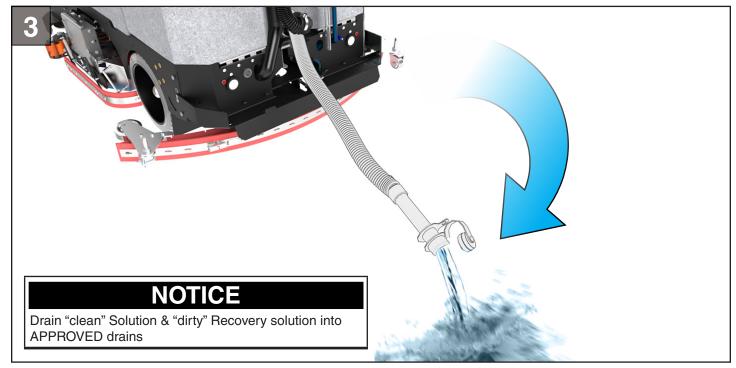




#### **DRAINING RECOVERY TANK**







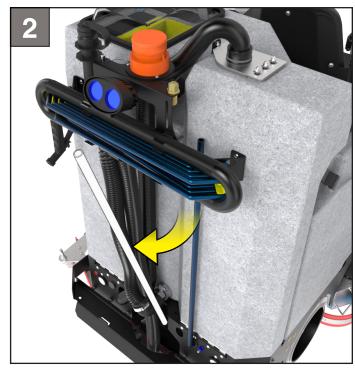
TC-HD-V2-OP-EN - **31** -

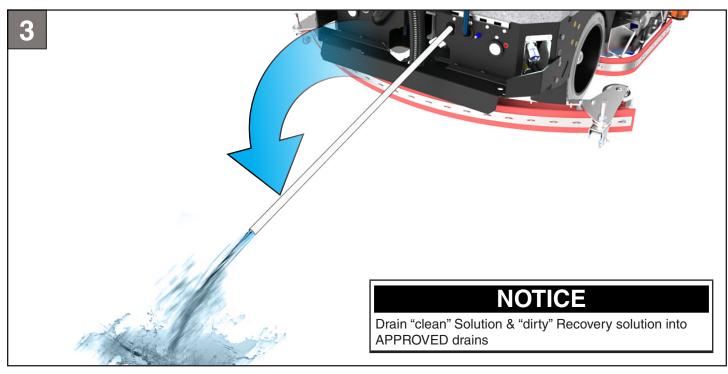
#### **DRAINING SOLUTION TANK**



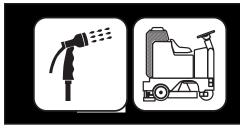








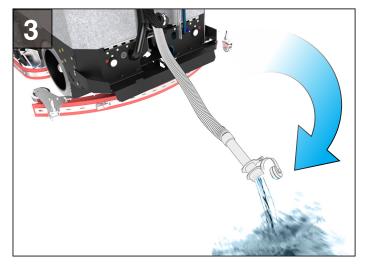
**- 32 -** TC-HD-V2-OP-EN

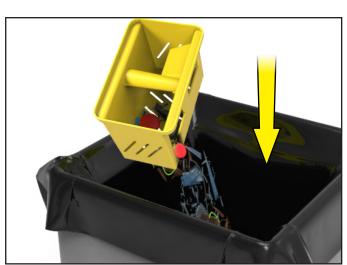


## **FLUSHING RECOVERY TANK**









# **NOTICE**

Drain "clean" Solution & "dirty" Recovery solution into APPROVED drains

TC-HD-V2-OP-EN - **33** -

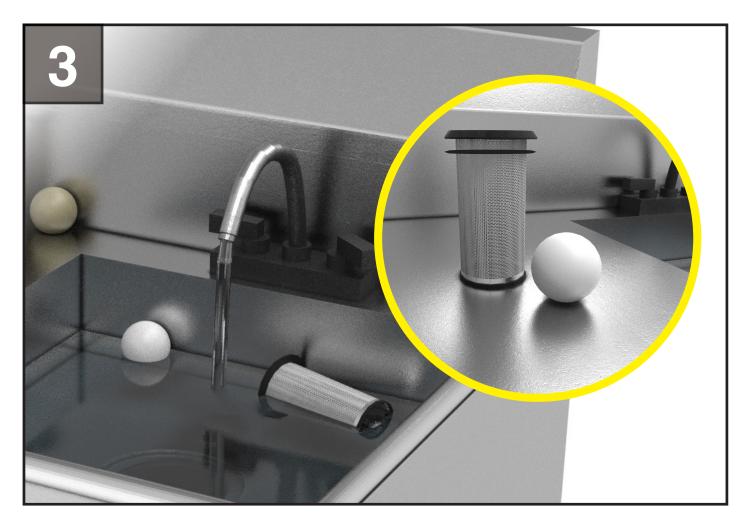
## **CLEAN DRAIN SAVER & VAC SYSTEM**





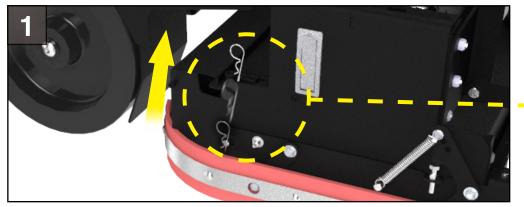




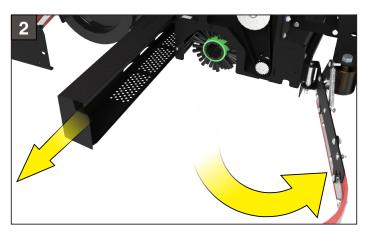


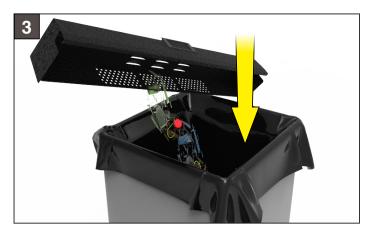


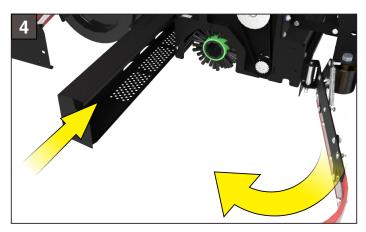
## **CLEAN CYLINDRICAL HOPPER**

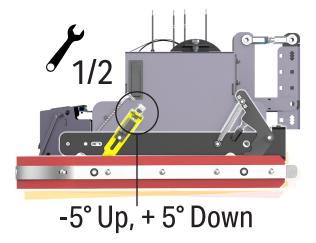








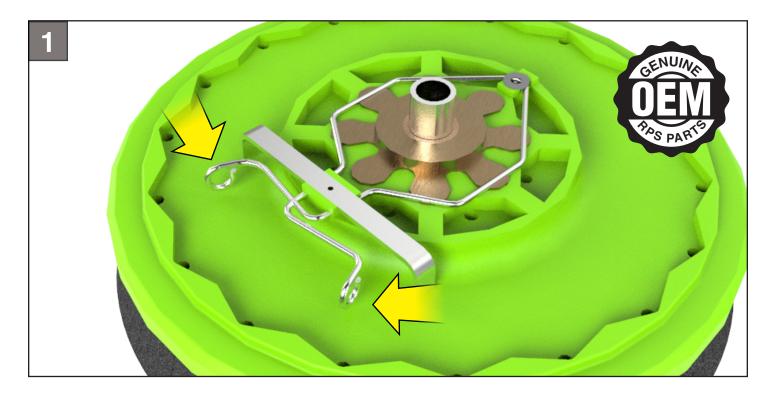


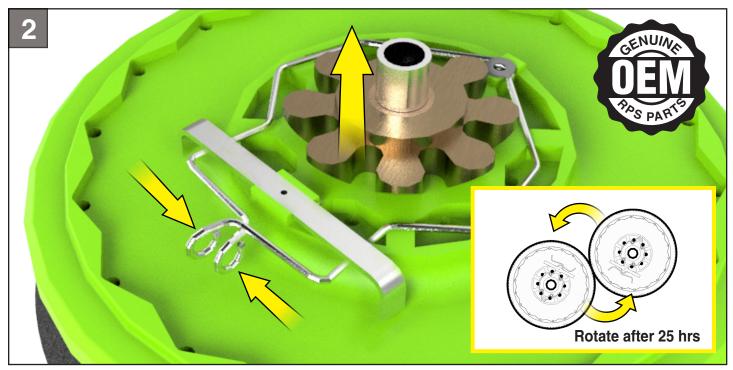


TC-HD-V2-OP-EN - **35** -

#### **REMOVE DISK BRUSHES**

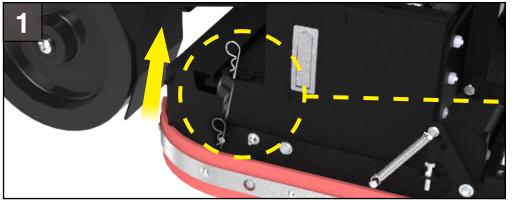


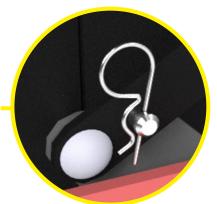


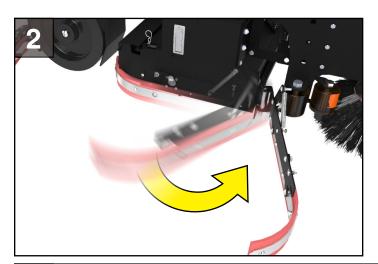


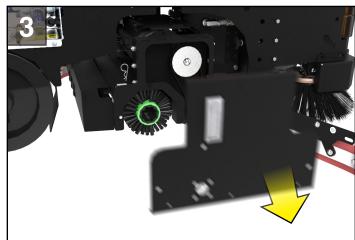
Replace brush when fibers reach 1/4 inch in length

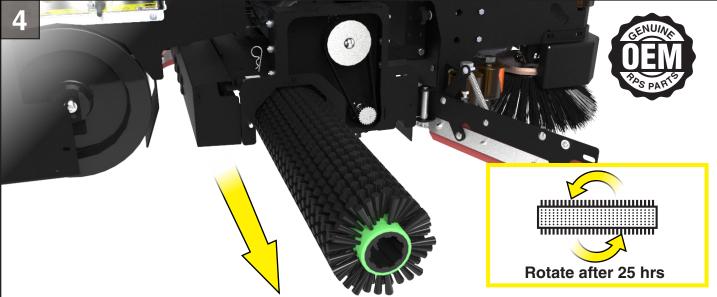












Replace brush when fibers reach 1/4 inch in length

TC-HD-V2-OP-EN - **37** -

### **PARKING BRAKE**

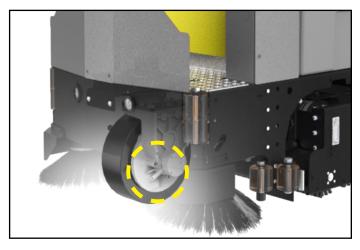


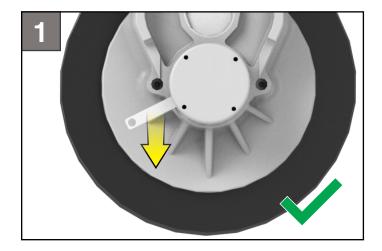
# **A WARNING**

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.

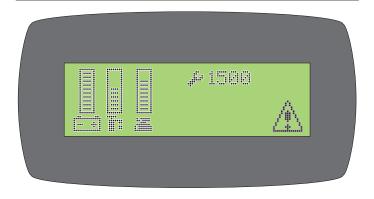
### **A WARNING**

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





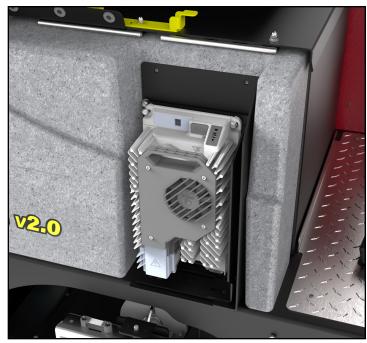




**- 38 -** TC-HD-V2-OP-EN



#### **Onboard / AGM / International Chargers:**





**AC Power:** 80-270VAC / 50-60Hz **DC Power OUT:** 36VDC / 33A

Please refer to OEM Charger Operating Instructions for more information.



Standard configuration, charger can also be mounted on the back of machine.

### **Console / WET / Domestic Chargers:**





AC Power IN: 120VAC / 60Hz

**DC Power OUT:** 

XR V2.0/ HD V2.0 - 36VDC / 35A

Please refer to OEM Charger Operating Instructions for

more information.



TC-HD-V2-OP-EN - **39 -**

# **P&G CONTROLLER COMMON ERROR CODES**

Below are common diagnostic codes and some typical causes / remedies. If the information provided in the "Correction" section does not cure the code, seek technical support from your local authorized RPS Corporation distributor.

Diagnostic Code	Cause	Correction
1501	Parking brake is released or the parking brake coil	Check to assure the parking brake is not manually
	circuit is open	released.
1507	Parking Brake Over Current	Parking brake coil is internally shorted or there is a
		problem with the wiring to the brake.
2C00-2C02	Battery voltage is low	Charge the batteries with OEM supplied charger.
2F01	Throttle is depressed during power on or a fault with	Turn the machine off, assure that the throttle
	the throttle system	button(s) or throttle pedal are not depressed. Turn
		the machine back on and if the condition persists,
		seek technical support from your local authorized
		RPS distributor
3101	Brush / Vac Motor - Precharge Fault	This code can be caused by the scrub or vacuum
		motor(s) having moisture present or contaminated
24.02	T .: AA . D . L . E . II	with debris.
3102	Traction Motor - Precharge Fault	This code can be caused by the traction motor
7600	Brush Matar Circuit Onen	having moisture present or being contaminated.  The controller is not seeing continuity on the brush
7600	Brush Motor Circuit Open	
		motor circuit. This can be caused by the wiring to
		the scrub brush motor(s), corroded connections or a
7601-7603	Brush Motor Circuit Over Current	faulty motor. The brush motor output is exceeding its limit. With
7001-7003	Brush Motor Circuit Over Current	the scrubber turned off, check for entrapped debris
		around the brush driver(s) and assure the brushes
		turn freely.
7700	Vacuum Motor Circuit Open	The controller is not seeing continuity on the
		vacuum motor circuit. This can be caused by the
		wiring to the scrub brush motor(s), corroded
		connections or a faulty motor.
7701-7703	Vacuum Motor Circuit Over Current	The vacuum motor output is exceeding its limit. This
		can be caused by a faulty vacuum motor(s) or
		damaged vacuum motor wiring.
1E03	Charger / Seat Switch – Charger is plugged in or	On board charger is plugged into the wall outlet. Off
	operator is not on the seat of ride on equipment.	board charger is plugged into charging port. The
		switch at the charger plug for an external charger is
		out of adjustment. (Operator is not present on seat
		GTR and EX machines Prior to Serial Number 100xxx)
7500	LCD Communication Error	The LCD lost communication to the controller. Check
		the 6 wire harness between the LCD module and it's
		connections.
7801-7802	Traction Motor Over Current	The traction motor output is exceeding its limit.
		Check to assure the parking brake is releasing when
		the throttle is engaged. Assure all wheels that
		contact the floor turn freely.
7804	Boost Mode	The code 7804 indicate the controller is in Boost
		Mode and considered normal under hard
7000		acceleration or when climbing a hill.
7900	Emergency Stop Activated	The emergency stop is activated. If the machine is
		not equipped with an emergency stop switch
		typically the LCD module has failed.

**- 40 -** TC-HD-V2-OP-EN

### **TOUCH SCREEN ERROR CODES**

Error	Internal Label	Code	Туре	Description	Action	Remedy
Vacuum motor current over software limit	VACUUM_SOFTWARE_OV	49	soft	The vacuum motor current has exceed the software limit	The vacuum motor is disabled	
Squeegee motor current over hardware limit	SQUEE_HARDWARE_OV	50	soft	The squeegee motor current has exceed the absolute hardware limit	The squeegee actuator is disabled	
	VALVE_FAULT	51				
Open circuit detected in vacuum motor	VACUUM_OPEN_CIRCUIT	52	soft	An electrically open condition has been detected in the vacuum motor circuit	The vacuum motor is disabled	
	TRACT_RIGHT_NULL_ERROR	53				
	TRACTION_OPEN_CIRCUIT	54				
Open circuit detected in deck actuator	BRUSH_DECK_OPEN_CIRCUIT	55	soft	An electrically open condition has been detected in the deck actuator circuit	Brush, deck actuator and water/suds are disabled	
	TRAIL_TIME_OUT	56				
	SOLENOID_WELDED_OTHER	57				
	SOLENOID_CLOSE_LIM- IT_WARNING	58				
Squeegee motor stalled	SQUEE_STALLED_MOTOR	59	soft	An energized squeegee actuator is not moving	The squeegee actuator is disabled	
Deck actuator stalled	BRU_DECK_STALLED_MOTOR	60	soft	An energized deck actuator is not rotating	Brush, deck actuator and water/suds are disabled	
	PRECHARGE_FAILURE_OTHER	61				
Brush motor stalled	BRUSH_STALLED_MOTOR	62	soft	An energized brush motor is not rotating	Brush, deck actuator and water/suds are disabled	
vacuum motor stalled	VACUUM_STALLED_MOTOR	63	soft	An energized vacuum motor is not rotating	The vacuum motor is disabled	
	LEFT_CURRENT_LIMIT	64				
	RIGHT_CURRENT_LIMIT	65				
Overheat MOSFET	THERMAL_CUTBACK_MOS	66	hard	The transport motor drive circuit has had an over temperature failure	The machine is disabled	
Battery over voltage	HIGH_BATTERY_PROTECT	67	hard	The battery voltage is above acceptable limits	The machine is disabled	check batteries / wiring

TC-HD-V2-OP-EN - 41 -

### **TOUCH SCREEN ERROR CODES**

Error	Internal Label	Code	Туре	Description	Action	Remedy
	HARD_FAULT	0		Flag used to define a show-stop- per failure requiring a power cycle		
	SOFT_FAULT	1		Flag used to define an error that may disable a device but keep the rest of the machine operational		
	NO_ERROR	0		Used internally		
Bad Personality	BAD_PERSONALITY	10	hard/soft	Incompatable options programmed or a checksum failure	The machine is disabled or continues operating with factory default parameters	Check programming options and/or reprogram EEPROM
Initial throttle fault	INITIAL_THROTTLE_FAULT	11	soft	Throttle is engaged at power up preventing a successful return to idle state	Machine remains in a pre-idle condition until the active throttle condition goes away	Take your foot off the gas
	SHORT_CIRCUIT	12	hard			
Memory fault	EEPROM_READ_ERROR	13	hard/soft	An error was detected during an EEPROM read access	The machine is disabled or continues operating with factory default parameters	Cycle keyswitch. If problem persists change control board
Dead battery	LOW_BATTERY_PROTECT	14	hard	The battery voltage has dropped below NN.n Volts	The machine is disabled	Charge or replace batteries
Low battery charge	LOW_BATTERY_CHARGE	15	soft	The battery voltage has dropped below NN.n Volts and all but the transport motor have been disabled	All but the transport motor are disabled is disabled	Charge battery
Overheat CPU	THERMAL_CUTBACK_MCU	16	hard	The microcontroller hardware has had an over temperature failure	The controller is switched off	Keyswitch off, wait ten minutes, keyswitch on. If problem persists change control board
	PRECHARGE_FAILURE_TRA	17				
Transport idle current fault	TRACT_LEFT_NULL_ERROR	18	hard	An abnormally high idle current has been detected in the trans- port motor (operational motor)	The machine is disabled	
Brush idle current fault	BRUSH_NULL_ERROR	19	soft	An abnormally high idle current has been detected in the brush motor (operational motor)	Brush, deck actuator and water/suds are disabled	
Vacuum idle current fault	VACUUM_NULL_ERROR	20	soft	An abnormally high idle current has been detected in the vacuum motor (operational motor)	Vacuum motor is disabled	
Squeegee idle current fault	SQUEEGEE_NULL_ERROR	21	soft	An abnormally high idle current has been detected in the squee- gee motor (operational motor)	Squeegee motor is disabled	
	BRU_ADJ_OUT_OF_RANGE	22	soft			
Transport motor relay not open	SOLENOID_WELDED_TRA	23	hard	The main traction relay was detected closed during power on	The machine is disabled	Keyswitch off, wait ten seconds, keyswitch on. If problem persists change control board
Transport motor relay not closed	SOLENOID_DIDNT_CLOSE_TRA	24	hard	The main traction relay was detected open after being energized during power on	The machine is disabled	
Throttle fault	THROTTLE_FAULT	25	hard	An illegal voltage has been read from the throttle feedback circuit	The machine is disabled	Check throttle action and voltages

### **TOUCH SCREEN ERROR CODES**

_			_		SCREEN ERROR	
Error	Internal Label	Code	Туре	Description	Action	Remedy
Brake fault	BRAKE_FAULT	26	hard	An illegal voltage has been read from the brake feedback circuit	The machine is disabled	
Alarm fault	ALARM_FAULT	27	soft			
Auxilliary output 1 fault	AUX_1_FAULT	28	soft			
Auxilliary output 2 fault	AUX_2_FAULT	29	soft			
Auxilliary output 3 fault	AUX_3_FAULT	68	soft			
Deck actuator idle current over limit	BRU_DECK_NULL_ERROR	30	soft	An abnormally high idle current has been detected in the deck actuator motor	Brush, deck actuator and water/suds are disabled	
Transport motor stalled	TRACTION_STALLED_MOTOR	31	hard	An energized transport motor is not rotating		
Transport motor circuit current over limit	LEFT_DRAIN_OV	32	hard	There is excessive current in the transport motor drive circuit		
Transport motor circuit current over limit	RIGHT_DRAIN_OV	33	hard	There is excessive current in the transport motor drive circuit	The machine is disabled	
Brush motor current over software limit	BRUSH_SOFTWARE_OV	34	soft	The brush motor current has exceed the software limit	Brush, deck actuator and water/suds are disabled	
Brush motor current over nardware limit	BRUSH_HARDWARE_OV	35	soft	The brush motor current has exceed the absolute hardware limit	Brush, deck actuator and water/suds are disabled	
Open circuit detected in brush motor	BRUSH_OPEN_CIRCUIT	36	soft	An electrically open condition has been detected in the brush motor circuit	Brush, deck actuator and water/suds are disabled	
	REGEN_CURRENT_EXCEEDED	37				
	LEFT_DRAIN_FAULT	38				
	RIGHT_DRAIN_FAULT	39				
Transport motor current over hardware limit	LEFT_SOFTWARE_OV	40	hard	The transport motor current has exceed the absolute hardware limit	The machine is disabled	
Transport motor current over hardware limit	RIGHT_SOFTWARE_OV	41	hard	The transport motor current has exceed the absolute hardware limit	The machine is disabled	
	BRUSH_DRAIN_FAULT	42				
12VDC power supply outside acceptable limits	SUPPLY_OUT_OF_RANGE	43	hard	The 12VDC supply voltage is less tha 11.75V or greater than 12.25 volts	The machine is disabled	check batteries
	VALVE_OPEN_CIRCUIT	44				
Deck actuator motor cur- rent over software limit	BRU_DECK_SOFTWARE_OV	45	soft	The deck actuator current has exceed the software limit	Brush, deck actuator and water/suds are disabled	
Vacuum motor current over hardware limit	VACUUM_HARDWARE_OV	46	soft	The vacuum motor current has exceed the software limit	The vacuum motor is disabled	
Deck actuator motor current over hardware imit	BRU_DECK_HARDWARE_OV	47	soft	The deck actuator current has exceed the absolute hardware limit	Brush, deck actuator and water/suds are disabled	
Squeegee motor current over software limit	SQUEE_SOFTWARE_OV	48	soft	The squeegee motor current has exceed the software limit	The squeegee actuator is disabled	

TC-HD-V2-OP-EN - **43** -

### **PM SHEET**

CUSTOMER INFORMATION						
CUSTOMER EMAIL						
ADDRESS			PHONE			
CITY	STATE	ZIP	CONTACT			

MACHINE INFORMATION	
MODEL #:	SERIAL #:
WORK ORDER#:	HOUR METER (Key):
CHASSIS HOUR METER:	HOUR METER (Traction):
RE-CHARGE COUNTER:	HOUR METER (Scrub):
ISOLATOR HOUR METER:	HOUR METER (Vac):
NOTE: Isolators need to be replaced on Scrubber Machines at 1000 Hours or Annual	ly

BATTERY CONDITION	CELL 1	CELL 2	CELL 3	CELL 4	CELL 5	CELL 6
BATTERY 1 HYDROMETER						
BATTERY 1 ELECTROLYTE CLARITY (Clear, Cloudy, Particulate, Dark)						
BATTERY 1 WATER LEVEL (Overfilled, Full, Low, Dry)						
BATTERY 2 HYDROMETER						
BATTERY 2 ELECTROLYTE CLARITY (Clear, Cloudy, Particulate, Dark)						
BATTERY 2 WATER LEVEL (Overfilled, Full, Low, Dry)						
BATTERY 3 HYDROMETER						
BATTERY 3 ELECTROLYTE CLARITY (Clear, Cloudy, Particulate, Dark)						
BATTERY 3 WATER LEVEL (Overfilled, Full, Low, Dry)						
BATTERY 4 HYDROMETER						
BATTERY 4 ELECTROLYTE CLARITY (Clear, Cloudy, Particulate, Dark)						
BATTERY 4 WATER LEVEL (Overfilled, Full, Low, Dry)						
BATTERY 5 HYDROMETER						
BATTERY 5 ELECTROLYTE CLARITY (Clear, Cloudy, Particulate, Dark)						
BATTERY 5 WATER LEVEL (Overfilled, Full, Low, Dry)						
BATTERY 6 HYDROMETER						
BATTERY 6 ELECTROLYTE CLARITY (Clear, Cloudy, Particulate, Dark)						
BATTERY 6 WATER LEVEL (Overfilled, Full, Low, Dry)						
CLEAN BATTERY TOPS. CHECK BATTERY CABLE AND TERMINA	AL CONDITION.					
NOTES:						

PAD/BRUSH CONDITION					
SCRUB BRUSH FIBER LENGTH		ROTATED BRUSHES	3		
BROOM DRIVER SOCKETS (4)	GOOD WORN NEEDS REPLACEMENT				
DRIVER IDLER HUBS	GOOD WORN NEEDS REPLACEMENT				
SIDE BROOM CONDITION	GOOD	WORN	NEEDS REPLACEMENT	ROTATED SIDE TO SIDE	
DISK PAD DRIVER	GOOD	WORN	NEEDS REPLACEMENT		
EDGE/ORBITZ PAD GRIP FACE	GOOD	WORN	NEEDS REF	PLACEMENT	

CHECK OPERATION AND CONDITION OF:	IN SPEC	REPAIR	PROBLEM
STEERING WHEEL TILT MECHANISM			
MAIN POWER SWITCH OR KEY SWITCH			
LCD DISPLAY			

RPS Corporation / 1711 South St. Racine, WI, 53404 / Phone: (800) 634-4060 / INTERNATIONAL: (+001) 262-681-6470 www.rpscorporation.com / www.factorycat.com / www.tomcatequip.com

# PM SHEET

PAGE BUTTON				
BRUSH PRESSURE TOGGLE				
MANAGERS LOCK OUT				
REVERSE SWITCH				
BRUSH SWITCH				
SOLUTION +/- SWITCH				
SOLUTION SOLENOID				
LOW SOLUTION LIGHT				
BRUSH DECK LIFT SYSTEM				
BRUSH MOTORS				
VACUUM SWITCH				
VACUUM MOTOR PERFORMANCE				
OFF-BOARD VAC SWITCH				
SQUEEGEE LIFT SYSTEM				
SQUEEGEE ADJUSTMENT PITCH AND HEIGHT				
SQUEEGEE BLADES				
DRAIN HOSE AND PLUG				
SIDE BROOM OPERATION				
SPRAY JET PUMP, HOSE & NOZZLE				
BATTERY CHARGER CONNECTION & FUNCTION				
PITCH OF SCRUBDECK (MUST BE LEVEL)				
PITCH OF EDGE/ORBITZ DECK (MUST BE LEVEL)				
FOOTPEDAL				
PARKING BRAKE				
BACK UP ALARM (REVERSE ONLY)				
CLEAN AND / OR LUBRICATE	IN SPEC	REPAIR	PROBLEM	
CLEAN AND / OR LUBRICATE  SOLUTION TANK CONDITION	IN SPEC	REPAIR	PROBLEM	
	IN SPEC	REPAIR	PROBLEM	
SOLUTION TANK CONDITION	IN SPEC	REPAIR	PROBLEM	
SOLUTION TANK CONDITION SQUEEGEE PIVOT POINTS & KNOBS	IN SPEC	REPAIR	PROBLEM	
SOLUTION TANK CONDITION  SQUEEGEE PIVOT POINTS & KNOBS  SOLUTION FILTER CLEANING	IN SPEC	REPAIR	PROBLEM	
SOLUTION TANK CONDITION  SQUEEGEE PIVOT POINTS & KNOBS  SOLUTION FILTER CLEANING  SCRUB DECK LINKAGE	IN SPEC	REPAIR	PROBLEM	
SOLUTION TANK CONDITION  SQUEEGEE PIVOT POINTS & KNOBS  SOLUTION FILTER CLEANING  SCRUB DECK LINKAGE  STEERING CHAIN				
SOLUTION TANK CONDITION  SQUEEGEE PIVOT POINTS & KNOBS  SOLUTION FILTER CLEANING  SCRUB DECK LINKAGE  STEERING CHAIN  VISUALLY INSPECT				
SOLUTION TANK CONDITION  SQUEEGEE PIVOT POINTS & KNOBS  SOLUTION FILTER CLEANING  SCRUB DECK LINKAGE  STEERING CHAIN  VISUALLY INSPECT  SOLUTION TANK CONDITION				
SOLUTION TANK CONDITION  SQUEEGEE PIVOT POINTS & KNOBS  SOLUTION FILTER CLEANING  SCRUB DECK LINKAGE  STEERING CHAIN  VISUALLY INSPECT  SOLUTION TANK CONDITION  RECOVERY TANK & GASKET CONDITION				
SOLUTION TANK CONDITION  SQUEEGEE PIVOT POINTS & KNOBS  SOLUTION FILTER CLEANING  SCRUB DECK LINKAGE  STEERING CHAIN  VISUALLY INSPECT  SOLUTION TANK CONDITION  RECOVERY TANK & GASKET CONDITION  DRAIN SAVER				
SOLUTION TANK CONDITION  SQUEEGEE PIVOT POINTS & KNOBS  SOLUTION FILTER CLEANING  SCRUB DECK LINKAGE  STEERING CHAIN  VISUALLY INSPECT  SOLUTION TANK CONDITION  RECOVERY TANK & GASKET CONDITION  DRAIN SAVER  VACUUM FLOATS & SCREENS				
SOLUTION TANK CONDITION  SQUEEGEE PIVOT POINTS & KNOBS  SOLUTION FILTER CLEANING  SCRUB DECK LINKAGE  STEERING CHAIN  VISUALLY INSPECT  SOLUTION TANK CONDITION  RECOVERY TANK & GASKET CONDITION  DRAIN SAVER  VACUUM FLOATS & SCREENS  VACUUM HOSES				
SOLUTION TANK CONDITION  SQUEEGEE PIVOT POINTS & KNOBS  SOLUTION FILTER CLEANING  SCRUB DECK LINKAGE  STEERING CHAIN  VISUALLY INSPECT  SOLUTION TANK CONDITION  RECOVERY TANK & GASKET CONDITION  DRAIN SAVER  VACUUM FLOATS & SCREENS  VACUUM HOSES  SOLUTION HOSES				
SOLUTION TANK CONDITION  SQUEEGEE PIVOT POINTS & KNOBS  SOLUTION FILTER CLEANING  SCRUB DECK LINKAGE  STEERING CHAIN  VISUALLY INSPECT  SOLUTION TANK CONDITION  RECOVERY TANK & GASKET CONDITION  DRAIN SAVER  VACUUM FLOATS & SCREENS  VACUUM HOSES  SOLUTION HOSES  BLADE RETAINERS & HARDWARE				
SOLUTION TANK CONDITION  SQUEEGEE PIVOT POINTS & KNOBS  SOLUTION FILTER CLEANING  SCRUB DECK LINKAGE  STEERING CHAIN  VISUALLY INSPECT  SOLUTION TANK CONDITION  RECOVERY TANK & GASKET CONDITION  DRAIN SAVER  VACUUM FLOATS & SCREENS  VACUUM HOSES  SOLUTION HOSES  BLADE RETAINERS & HARDWARE  SQUEEGEE WHEELS				
SOLUTION TANK CONDITION  SQUEEGEE PIVOT POINTS & KNOBS  SOLUTION FILTER CLEANING  SCRUB DECK LINKAGE  STEERING CHAIN  VISUALLY INSPECT  SOLUTION TANK CONDITION  RECOVERY TANK & GASKET CONDITION  DRAIN SAVER  VACUUM FLOATS & SCREENS  VACUUM HOSES  SOLUTION HOSES  BLADE RETAINERS & HARDWARE  SQUEEGEE WHEELS  BRUSH SKIRTS				
SOLUTION TANK CONDITION  SQUEEGEE PIVOT POINTS & KNOBS  SOLUTION FILTER CLEANING  SCRUB DECK LINKAGE  STEERING CHAIN  VISUALLY INSPECT  SOLUTION TANK CONDITION  RECOVERY TANK & GASKET CONDITION  DRAIN SAVER  VACUUM FLOATS & SCREENS  VACUUM HOSES  SOLUTION HOSES  BLADE RETAINERS & HARDWARE  SQUEEGEE WHEELS  BRUSH SKIRTS  REAR WHEELS CONDITION  DRIVE WHEEL CONDITION				
SOLUTION TANK CONDITION  SQUEEGEE PIVOT POINTS & KNOBS  SOLUTION FILTER CLEANING  SCRUB DECK LINKAGE  STEERING CHAIN  VISUALLY INSPECT  SOLUTION TANK CONDITION  RECOVERY TANK & GASKET CONDITION  DRAIN SAVER  VACUUM FLOATS & SCREENS  VACUUM HOSES  SOLUTION HOSES  BLADE RETAINERS & HARDWARE  SQUEEGEE WHEELS  BRUSH SKIRTS  REAR WHEELS CONDITION				
SOLUTION TANK CONDITION  SQUEEGEE PIVOT POINTS & KNOBS  SOLUTION FILTER CLEANING  SCRUB DECK LINKAGE  STEERING CHAIN  VISUALLY INSPECT  SOLUTION TANK CONDITION  RECOVERY TANK & GASKET CONDITION  DRAIN SAVER  VACUUM FLOATS & SCREENS  VACUUM HOSES  SOLUTION HOSES  BLADE RETAINERS & HARDWARE  SQUEEGEE WHEELS  BRUSH SKIRTS  REAR WHEELS CONDITION  DRIVE WHEEL CONDITION				
SOLUTION TANK CONDITION  SQUEEGEE PIVOT POINTS & KNOBS  SOLUTION FILTER CLEANING  SCRUB DECK LINKAGE  STEERING CHAIN  VISUALLY INSPECT  SOLUTION TANK CONDITION  RECOVERY TANK & GASKET CONDITION  DRAIN SAVER  VACUUM FLOATS & SCREENS  VACUUM HOSES  SOLUTION HOSES  BLADE RETAINERS & HARDWARE  SQUEEGEE WHEELS  BRUSH SKIRTS  REAR WHEELS CONDITION  DRIVE WHEEL CONDITION				
SOLUTION TANK CONDITION  SQUEEGEE PIVOT POINTS & KNOBS  SOLUTION FILTER CLEANING  SCRUB DECK LINKAGE  STEERING CHAIN  VISUALLY INSPECT  SOLUTION TANK CONDITION  RECOVERY TANK & GASKET CONDITION  DRAIN SAVER  VACUUM FLOATS & SCREENS  VACUUM HOSES  SOLUTION HOSES  BLADE RETAINERS & HARDWARE  SQUEEGEE WHEELS  BRUSH SKIRTS  REAR WHEELS CONDITION  DRIVE WHEEL CONDITION  COMMENTS	IN SPEC	REPAIR		
SOLUTION TANK CONDITION  SQUEEGEE PIVOT POINTS & KNOBS  SOLUTION FILTER CLEANING  SCRUB DECK LINKAGE  STEERING CHAIN  VISUALLY INSPECT  SOLUTION TANK CONDITION  RECOVERY TANK & GASKET CONDITION  DRAIN SAVER  VACUUM FLOATS & SCREENS  VACUUM HOSES  SOLUTION HOSES  BLADE RETAINERS & HARDWARE  SQUEEGEE WHEELS  BRUSH SKIRTS  REAR WHEELS CONDITION  DRIVE WHEEL CONDITION  COMMENTS	IN SPEC	REPAIR		
SOLUTION TANK CONDITION  SQUEEGEE PIVOT POINTS & KNOBS  SOLUTION FILTER CLEANING  SCRUB DECK LINKAGE  STEERING CHAIN  VISUALLY INSPECT  SOLUTION TANK CONDITION  RECOVERY TANK & GASKET CONDITION  DRAIN SAVER  VACUUM FLOATS & SCREENS  VACUUM HOSES  SOLUTION HOSES  BLADE RETAINERS & HARDWARE  SQUEEGEE WHEELS  BRUSH SKIRTS  REAR WHEELS CONDITION  DRIVE WHEEL CONDITION	IN SPEC	REPAIR	PROBLEM	
SOLUTION TANK CONDITION  SQUEEGEE PIVOT POINTS & KNOBS  SOLUTION FILTER CLEANING  SCRUB DECK LINKAGE  STEERING CHAIN  VISUALLY INSPECT  SOLUTION TANK CONDITION  RECOVERY TANK & GASKET CONDITION  DRAIN SAVER  VACUUM FLOATS & SCREENS  VACUUM HOSES  SOLUTION HOSES  BLADE RETAINERS & HARDWARE  SQUEEGEE WHEELS  BRUSH SKIRTS  REAR WHEELS CONDITION  DRIVE WHEEL CONDITION  COMMENTS  SERVICING DISTRIBUTOR:	IN SPEC	REPAIR	PROBLEM	

RPS Corporation / 1711 South St. Racine, WI, 53404 / Phone: (800) 634-4060 / INTERNATIONAL: (+001) 262-681-6470 www.rpscorporation.com / www.factorycat.com / www.tomcateguip.com

TC-HD-V2-OP-EN - 45 -

### **COMMON WEAR PARTS**

#### **ROUND DISK BRUSHES:**

# **NOTICE**

The ## in Disk Column Denotes Desk Pad Size: 20" or 23"

BRUSHES	DISK	LEVEL
Super Grit	##-382SS	Very High
Tough Grit	##-382S	High
Midi Grit	##-382C	Medium
Light Grit	##-382PS	Moderate
Poly	##-382P	Light
Nylon	##-382N	Light
Tampico	##-382T	Light
Pad Driver	##-382D	

#### **ROUND DISK PADS:**

# **NOTICE**

The ## in Disk Column Denotes Desk Pad Size: 20" or 23"  $\,$ 

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 40" CYLINDRICAL	MODEL 46" CYLINDRICAL	LEVEL
Tough Grit	387-697S	447-697S	High
Midi Grit	387-697C	447-697C	Medium
Nylon	387-697N	447-697N	Light

**SQUEEGEE BLADE KITS & COMPLETE SQUEEGEE ASSEMBLIES:** 

### **COMMON WEAR PARTS**

SQUEEGEE SIZE	40" DISK DECKS	45" DISK DECKS	40" CYL. DECKS	46" CYL. DECKS
54" Squeegee	Standard	Optional	Standard	Optional
61" Squeegee	Optional	Standard	Optional	Standard

SQUEEGEE SIZE	LINATEX BLADE KIT	URETHANE BLADE KIT	COMPLETE SQUEEGEE ASSEMBLIES
54" Squeegee	54-7163L	54-7163U	254-2181
61" Squeegee	61-7163L	61-7163U	261-2181

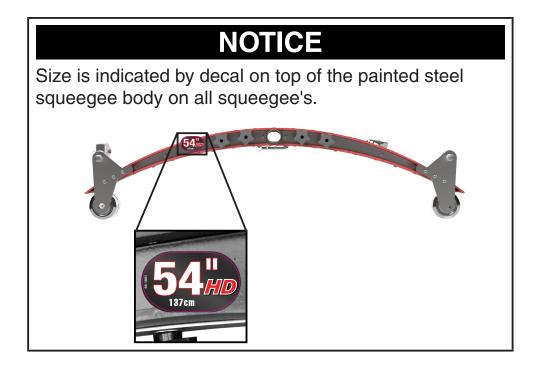
SQUEEGEE MATERIAL:	USED FOR:	
LINATEX	Provides best wear and tear resistance. Not designed for use with harsh chemicals.	
URETHANE	Provides best resistance when dealing with harsh chemicals, oils, fuels, etc.	

### **NOTICE**

Squeegee blade kits include (1) Rear Blade & (1) Front Blade.

### **NOTICE**

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

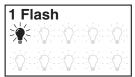


TC-HD-V2-OP-EN - 47 -

#### **MILITARY GRADE CENTRAL COMMAND - STATUS LIGHT CODES**

#### **Status Light Guide**

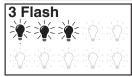
Below is a list of self-help actions. Try to use this list before you contact your service agent. Go to the number in the list which matches the number of indicator light flashes and follow the instructions.



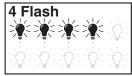
The battery needs charging, there is a bad connection to the battery or dependent on programming, may indicate that the battery lockout function is active and the controller is in a restricted mode of operation. Check the connections to the battery. If the connections are good, try charging the battery.



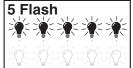
There is a bad connection to the motor. Check all connections between the motor and the controller.



The motor has a short circuit to a battery connection. Contact your service agent.



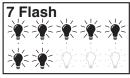
The battery charge level has fallen below the Battery Lockout Level and the controller is inhibiting certain machine functions. Charge the battery.



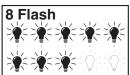
Not Used.



The controller is being inhibited from driving, this may be because the battery charger is connected.



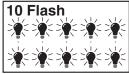
A throttle fault is indicated. Make sure that the throttle is in the rest position before switching on the machine.



A controller fault is indicated. Make sure that all connections are secure.



The parking brakes have a bad connection. Check the parking brake and motor connections. Make sure the controller connections are secure.



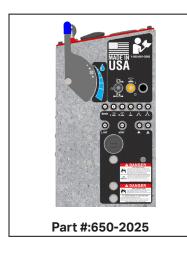
An excessive voltage has been applied to the controller. This is usually caused by a poor battery connection. Check the battery connections.

- 48 - TC-HD-V2-OP-EN

Military Grade



**Touch Screen** 







Branding / Options / Squeegee Size Decals



Part #:700-1501



Part #:123-1837



Part #:370-7202



Part #:123-1838





Part #:54-1601 Part #:61-1601



Part #:123-1843



1711 South Street Racine, WI 53404 www.tomcatequip.com 262-681-4060