ICE COBOTICS
Human Led. Tech Powered Clean.

User Manual

www.icecobotics.com

Automatic Scrubber
20Y/20YT/20YT-OB/24YT/ 20YL/20YTL/24YTL



8160955
REV.01 (03-2026)

READ OPERATOR MANUAL CAREFULLY!

IMPORTANT: To ensure full warranty protection, please fill out & return your warranty card.

Please fill out at time of installation for future reference.

Model No. _____

Serial No. _____

Machine Options _____

Sales Rep. _____

Sales Rep. Phone No. _____

Customer ID Number _____

Installation Date _____

HOW TO ORDER PARTS

Only use ICE Company supplied or equivalent parts. Parts and supplies may be ordered online,by phone, by fax or by mail.

1. Identify the machine model.
2. Identify the machine serial number from the data label.
3. Ensure the proper serial number is used from the parts list.
4. Identify the part number and quantity.
   Do not order by page or reference numbers.
5. Provide your name, company name, customer ID number,billing and shipping address, phone number and purchase order number.



PROTECT THE ENVIRONMENT

Please dispose of packaging materials,old machine components such as batteries, hazardous fluids, including antifreeze and oil, in an environmentally safe way according to local waste disposal regulations.



Always remember to recycle.

ICE Company Limited
XiangShi Road LiaoBu DongGuan GuangDong China
Tel: 0769 - 81869000
Fax:0769 - 81863000

Specifications and parts are subject to change without notice.

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SAFETY PRECAUTIONS

This machine is intended for commercial use. It is designed exclusively to scrub hard floors in an indoor environment and is not constructed for any other use. Only use recommended accessories.

All operators shall read, understand and exercise the following safety precautions:

1. **Do not operate machine:**
   - Unless trained and authorized.
   - Unless you have read and understand the operators manual.
   - In flammable or explosive areas.
   - If not in proper operating condition.
   - In outdoors areas.

2. **Before starting machine:**
   - Make sure all safety devices are in place and operate properly.

3. **When using machine:**
   - Go slow on inclines and slippery surfaces.
   - Follow all safety guidelines.
   - Be very careful when using the machine in reverse.
   - Reduce speed when turning.
   - Report and fix any damage to machine prior to operating it.
   - Never allow children to play on or around.
   - Do not operate on inclines that exceed 5% (3°).

4. **Before leaving or servicing machine:**
   - Stop on level surface.
   - Turn off machine.

5. **When servicing machine:**
   - Read operators manual thoroughly prior to operating or servicing this machine.
   - Use manufacturer supplied or approved replacement parts.
   - Secure machine with wheel blocks prior to jacking the machine up.
   - Use approved jack or hoist to safely elevate the machine.
   - Disconnect batteries prior to working on machine.
   - Wear gloves when handling batteries or battery cables.
   - Avoid any contact with battery acid
   - Avoid moving parts. Do not wear loose fitting clothing while servicing machine.

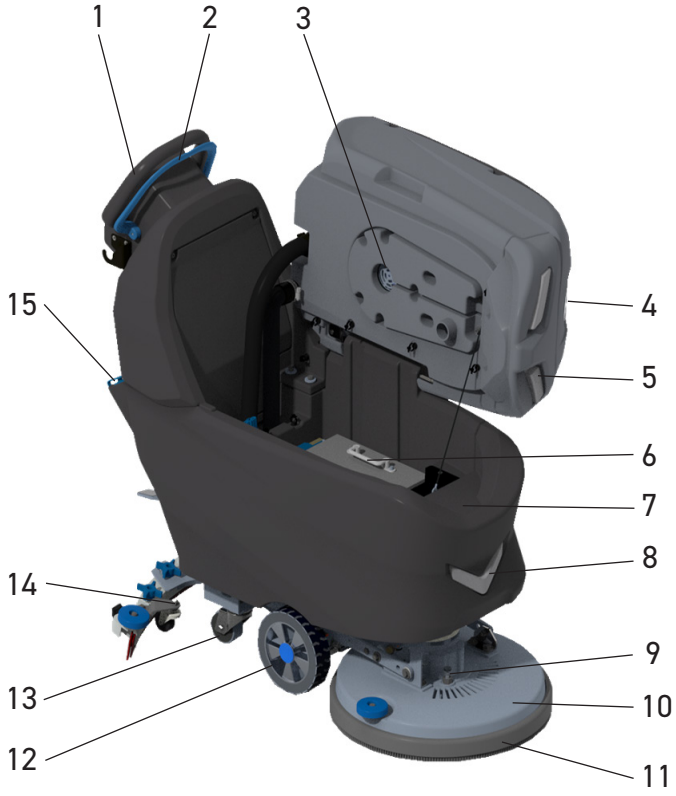
WARNING: Batteries emit hydrogen gas. Explosion or fire can result from hydrogen gas. Keep sparks and open flames away! Keep battery compartment open when charging.

WARNING: Flammable materials can cause an explosion or fire. Do not use flammable materials in tanks.

WARNING: Flammable materials or reactive metals can cause explosion or fire. Do not pick up.

MACHINE COMPONENTS

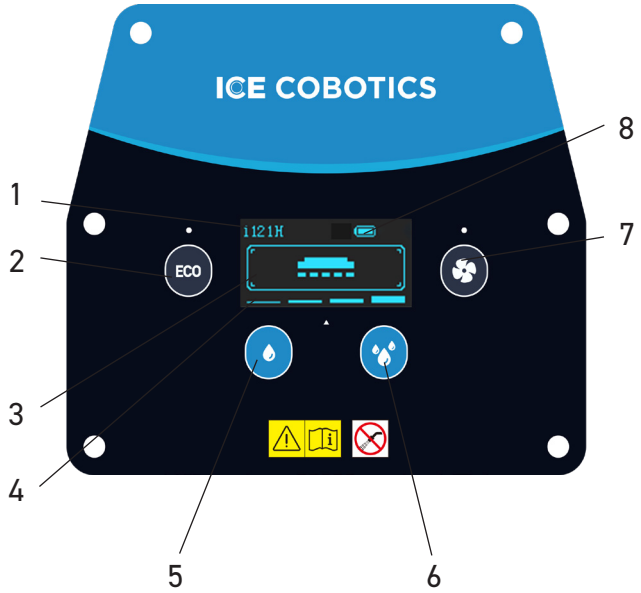




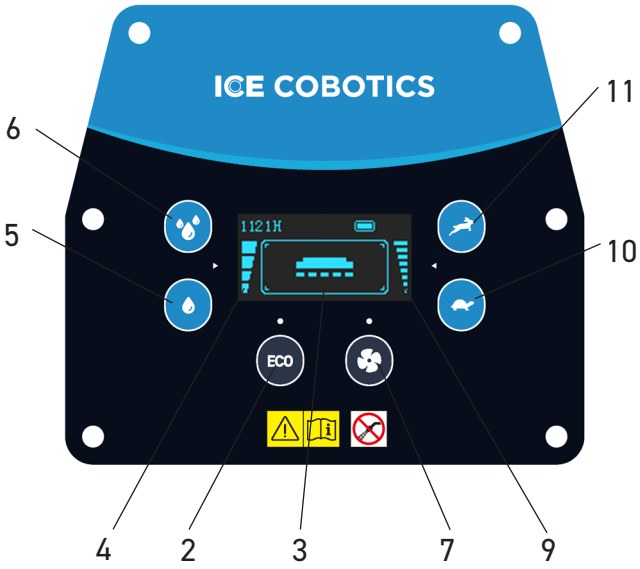
1. Control Handle
2. Control Handle Start Bail
3. Vacuum Motor, 24VDC
4. Logo
5. Front safety lights
6. Batteries
7. Solution Tank
8. LED Light
9. Motor Hub Lock Pin (Disk Models)
10. Scrub Head Assembly
11. Scrub Head Skirt
12. Wheels, 8 Inch
13. Caster, 3.15 Inch
14. Caster, 2 Inch, Squeegee Blade Adjustment
15. Hose Fill-Port
16. Control panel (see Panel components)
17. Main controller breaker
18. Emergency Stop Button (Drive Models)
19. Main Power Key Switch
20. Squeegee Lift Lever
21. External battery charger
22. Heavy Down Pressure Lever (Optional)
23. Scrub Head Lift Pedal
24. Squeegee Assembly
25. Squeegee Vacuum Hose
26. Filter Assembly
27. Ball Valve
28. Solution Tank Level / Drain Hose
29. Recovery Tank Drain Hose
30. Recovery Tank
31. Recovery Tank Cover

PANEL COMPONENTS

20Y/20YL



20YT/20YTL/24YT/24YTL



1. Timer
2. ECO Button
3. Brush motor display
4. Solution flow indicator
5. Solution flow control button (-)
6. Solution flow control button (+)
7. Vacuum motor switch
8. Battery meter
9. Speed indicator
10. Speed control button (-)
11. Speed contorl button (+)

MACHINE SET UP & INSTALLATION

UNCRATING MACHINE

Be sure and check packing carton for any damage. Immediately report any damage to carrier. Check the contents of package to ensure that the following items are included:

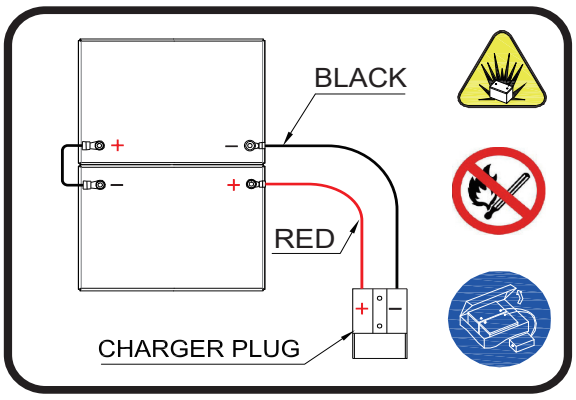
- Machine
- 2-12V batteries (Optional)
- Squeegee assembly
- Battery Charger
- Pad Driver(Optional)
- Brush(Optional)

INSTALLING BATTERIES

The batteries are already in the machine upon delivery; However you will need to connect the cables to the battery posts.

WARNING: Batteries emit hydrogen gas. Explosion or fire can result from hydrogen gas. Keep sparks and open flames away! Keep battery compartment open when charging.

1. Turn the Main power key switch off.
2. Open recovery tank to gain access to battery compartment.
3. Carefully place the two batteries into the compartment as shown in figure below. Place the battery brace at the rear of the two batteries.
   DO NOT DROP BATTERIES INTO COMPARTMENT!
4. Connect battery cables to posts in numbered order as shown in drawing below.
   RED to POSITIVE and BLACK to NEGATIVE.



MACHINE SET UP

PRE-OPERATION CHECKS

1. Sweep or dust mop the surface to be cleaned.
2. Check battery meter to make sure batteries are fully charged. (See BATTERY CHARGING)
3. Check that squeegee is properly installed.
4. Check that brush / pad is properly installed.

INSTALLING PAD DRIVER OR BRUSH

1. Ensure that the machine is turned off.
2. Step down on the scrub head lift pedal (see machine components, item #23) to raise the scrub head off the floor.
3. If using a Pad Driver, first attach the appropriate pad to the pad driver surface.
4. Turn the brush motor hub until the slot with the spring clip is visible through the scrub head window.
5. Mount the pad driver or brush to the brush motor hub by lining up the three studs with the three holes in the brush motor hub. Once in the holes, rotate the driver toward the spring clip to lock the pad driver into place. If necessary, press down on the motor hub lock pin (see machine componts, item # 9)to lock motor hub in place.
6. For Orbital head Model 20YT-OB, you need to attach a rectangular, 20in(508mm)×14in(356mm) Pad to the Orbital Pad driver. align the pad to the Orbital pad driver, press from front-to-back and side to side to alignment.

INSTALLING MAGNETIC PAD DRIVER OR BRUSHE (OPTIONAL)

1. Ensure that the machine is turned off.
2. If using the pad driver, first attach the appropriate pad to the pad driver surface.
3. Align the pad driver or brush under the motor hub and push it magnetically attracted.



4. To remove the pad driver or brush, raise the scrub head and remove the Side squeegee assembly (machine components, #11), Press down on pad release plunger, push the edge of brush downward.

MOUNTING THE SQUEEGEE ASSEMBLY

1. Lift the squeegee lift lever (see machine components, item #20)to the upward position.
2. Mount the squeegee assembly to the squeegee pivot bracket. make sure the knobs are completely seated into the slots before securing knobs.
3. Connect the vacuum hose to the squeegee assembly. Loop the hose by using the hose clip provided.
4. Check the squeegee blades for proper adjustment.

FILLING THE SOLUTION TANK

The machine is equipped with a hose fill-port (see machine components, item #15) .
Fill the solution tank to the "1" level on the solution tank sight gauge. When using the hosepipe, stop filling when the level reaches the bottom edge of the fill-port.
Convertional scrubbing - Fill solution tank with water (not to exceed 60°C/140°F. Pour a recommended cleaning detergent into the solution tank according to mixing instructions on the container)

⚠ WARNING: Do not put any flammable materials into solution tank. this can cause an explosion or a fire. Only use recommended cleaning chemicals. Contact your janitorial supply distributor for recommendations on proper chemicals.

MACHINE OPERATION

⚠ WARNING: Do not operate machine unless you have read and understand this manual.

1. Lower squeegee assembly to the floor by lowering the squeegee lift lever(see machine components, item #20).
2. Lower the scrub head to the floor by stepping on the scrub head lift pedal(see machine components, item #23).
3. Turn the main power key switch(see machine components, item #19) to the on (I) position.
4. Check the battery meter (see Panel components, item #8), if the battery is very low, there will be a Fault code & message on the LED display screen(see Fault code section), and the Fault indicator will blink contiunously accompany an audible alarm. please DO NOT continue to operate the machine and recharge the batteries immediately.
5. Check the solution flow indicator (see Panel components, item #4), press the solution flow control button (see Panel components, item #5, 6) to a desired flow rate.
   NOTE: Solution will not begin to flow until the control handle bail is pulled.
6. Turn on the vacuum motor switch(see Panel components, item #7).
7. 20Y/20YL: Pull the control handle bail(see machine components, item #2) backwards to start scrubbing by moving the machine forward.
   The drive model 20YT /20YTL/ 24YT/24YTL: Pull the control handle bail(see machine components, item #2) backwards to start scrubbing. The machine will automatically propel forward. To reverse the drive model, simply push the control handle bail forward. the speed can be adjusted, Adjust the speed control button (see Panel components, item #10,11) to a desired scrubbing speed.
   NOTE: 45-60 meters (150-200 ft)per minute is the recommended scrubbing speed.
8. When more brush pressure is needed for heavily soiled areas simply lift the down pressure lever(see machine components, item #22).
9. To stop scrubbing, release the control handle bail, raise the scrub head and the squeegee assembly.

WHILE OPERATING MACHINE

⚠ WARNING: Fire Or Explosion Hazard. Do Not Pick Up Flammable Materials Or Reactive Metals.

1. Go slow on inclines and slippery surfaces. Do not operate the machine on inclines that exceed 5% (3°).
2. Do not keep the machine in the same position with pad / brush spinning, keep the machine moving to prevent damage to floor finish.
3. If the squeegee assembly leaves streaks on the floor, raise the squeegee off the floor and wipe the blades down with a damp cloth. Pre-sweep the area to prevent leaving streaks on the floor.
4. Pour a recommended defoamer into the recovery tank if excessive foam appears.

⚠ WARNING: Do not allow foam to enter the float shut-off screen, vacuum motor damage will result. Foam will not activate the float shut-off screen.

5. Occasionally check the battery meter(see Panel components, item #8). when the battery is very low, stop scrubbing and recharge the batteries.

⚠ WARNING: When battery is very low, do not continue to operate the machine. Battery damage may result.

6. When the solution tank runs empty, raise the brush head off the floor. Keep the squeegee down and continue to vacuum until all the dirty water is picked up.

NOTE: See TANK DRAINING section to learn how to drain recovery and solution tanks.

CIRCUIT BREAKER

The machine is equipped with a resettable circuit breaker(see machine components, item #17) to protect the Main controller. If the circuit breaker should trip, it can't be reset immediately. You must first determine what caused the breaker to trip, and allow the Controller to cool down and then you can manually reset the circuit breakers. **NOTE: Contact an Authorized Service center for machine repairs.**

HOUR METER

The hour meter (see Panel components, item #1) records the number of total hours the brush motor has been powered on. Use the hour meter to determine when to perform recommended maintenance procedures and to record service history.

TANK DRAINING

1. Turn the machine off on.
2. With the squeegee and scrub head in their "up" position, transport machine to approved area for draining tank(s).

DRAINING THE RECOVERY TANK

Any time scrubbing is completed, or when refilling solution tank, the recovery tank should be drained and cleaned.

⚠ WARNING: If the recovery tank is not drained when the solution tank has been refilled, foam or water may enter the float shut-off screen and cause damage to the vacuum motor.

1. While holding the drain hose (see machine components, item #29) upward, remove the cap and lower hose to drain.
2. Open the recovery tank cover and rinse out the tank. Use a rag to remove any excess dirt.
3. Clean the float shut-off screen and debris tray located in the recovery tank .

DRAINING THE SOLUTION TANK

Any time scrubbing operation is completed, the solution tank should be drained and cleaned.

1. Pull the solution tank level hose(see machine components, item #28) off the hose fitting, this will allow the solution to flow freely into a bucket or floor drain.
2. Remove the cover of the filter assembly(see machine components, item #26) to drain the solution tank, check the filter screen and clean up it if necessary.
3. Rinse the solution tank with clean water after every use. This will help prevent chemical buildup and clogging of the solution lines.
4. After rinsing out the tank, securely reconnect the tank level hose to the hose fitting, replace the filter assembly cover and be sure the filter screen and the "O" ring is in the correct position.

BATTERY CHARGING

⚠ WARNING: Fire Or Explosion Hazard. Batteries Emit Hydrogen Gas. Keep Sparks and Open Flame Away. Keep Battery Compartment Propped Open When Charging.
NOTE: Use only apprved chargers with the following specifications:

- **Automatic shut off circuit**
- **Deep cycle charging**
- **Output current of 15Amps**
- **Output voltage of 24 volts**

1. Place machine in a well ventilated area.
2. Turn the machine off.
3. If charging wet (lead acid) batteries check the fluid level before charging.
4. Connect the charger's AC power supply cord (see machine components, item #21)to a properly grounded receptable.
5. The charger will automatically begin to charge and will automatically shut off once the batteries are fully charged.
6. Upon completion of charging, disconnect the AC power supply cord.

PREVENTATIVE MAINTENANCE

⚠ WARNING: Before performing any maintenance on the machine, be sure that the power is turned off, or the batteries are disconnected!

⚠ WARING: Repairs are to be completed by Authorized service centers only. Any repairs completed by unauthorized persons will avoid the warrenty.

DAILY MAINTENANCE

1. Remove pad driver/ brush and clean with approved cleaner.
2. Drain recovery and solution tanks completely and rinse out with clean water. Visually check the recovery tank for debris and clean out as necessary.
3. Raise the squeegee assembly off floor and wipe it down with a damp towel. Be sure to store the squeegee in the up position.
4. Remove the float shut-off assembly and rinse it out with clean water.
5. Clean machine with an approved cleaner and a damp towel.
6. Recharge the batteries.
7. Check the condition of the squeegee blade wiping edge, rotate blade if worn.

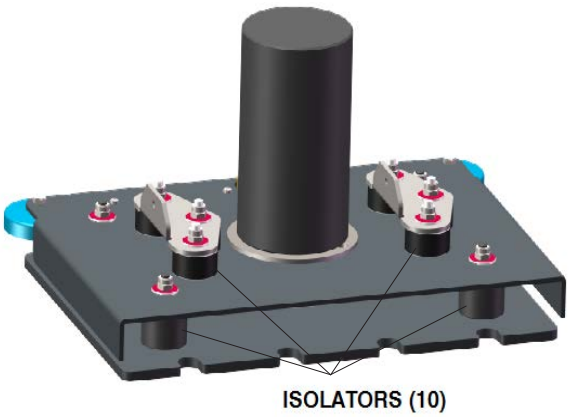
MONTHLY MAINTENANCE

1. Clean the battery tops to prevent corrosion.
2. Check for loose battery cable connections.
3. Inspect and clean the recovery tank cover seal. Replce it if damaged.
4. Lubricate all grease points and pivot points with silicon spray and approved grease.
5. Check the machine for loose nuts and bolts.
6. Check the machine for leaks.
7. Battery must be stored in a charged state, please charge monthly.

ORBITAL HEAD MAINTENANCE

For Orbital head 20YT-OB, you should have checked the eight isolators located in the Orbital head every 300 hours.

1. Using a flashlight, do a visual inspection of the isolators by looking through the opening in the Orbital head and checking for wear or damage to four isolators in the front and four in the rear of the Orbital head. The locations of the isolators are show below.



ISOLATORS (10)

2. If any of the eight isolators show signs of wear, degradation or damage, contact your lacal distributor to replace all eight isolators.

MOTOR MAINTENANCE

1. Contact your local Distributor for any motor maintenance.
2. Motor should have the brushes checked every 250 hours. Brushes should be replaced when they are worn to a length of 10 mm or less.

BATTERY MAINTENANCE

⚠ WARNING: Batteries emit hydrogen gas and an explosion o fire can result. Keep sparks and fire away from batteries at all times.

⚠ WARNING: Whenever serviving batteries, be sure to wear protective gloves. Avoid contact with battery acid at all times.

NOTE: For the best machine performance, keep batteries charged at all times. Do not let them sit in a discharged condition.

1. Always follow the battery charging directions as outlined in the BATTERY CHARGING section of this manual.
2. Keep battery tops and terminals free from corrosion. A strong solution of baking soda and water is the best way to keep the batteries corrosion free. Do not allow the baking soda / water solution to enter the battery cells.
3. Use a wire brush with the baking soda solution to properly clean the battery posts and connctions.
4. Check battery connections for wear and loose terminals. replace if necessary.

MACHINE STORAGE

1. Always store the machine indoors.
2. Always store the machine in a dry area.
3. Always store the machine in its upright position.
4. Always store the machine with the pad driver/ brush raised off the floor.
5. Always store the machine with the squeegee assembly raised off the floor.
6. If storing in an area which may reach freezing temperatures, be sure to drain all fluids from the machine prior to storage. Any damage caused by freezing temperatures will not be covered by the warranty.
7. Drain the recovery tank.
8. Drain the solution tank of all fluid.

FAULT CODE & SOLUTION

The machine is equipped with a LED display screen , the LED screen will display the operating hours (see Panel components, item # 1) and the battery level status (see Panel components, item # 8).
When the machine detects a fault, there will be a Fault code display on the LED screen, and the Fault indicator will flash continuously, accompany an audible alarm Occasionally.
Once fault occuring, please DO NOT continue operate the machine unless the fault are eliminated.
Turn off the machine, then to solve the fault, the fault code & message will be eliminated when machine restart.
If the fault is occurred frequently, or the fault can't be eliminated, please contact ICE service center.
Please refer to the below table to determine the fault cause and the solution.

FAULT CODE	FAULT MESSAGE	MODEL		FAULT CAUSE	SOLUTION
		20Y 20YL	20YT 24YT 20YTL 24YTL		
A1131	Vac Mtr O.L. RE-START!	●	●	Vacuum motor overload	Turn off the machine,after a moment, RE-START machine
A0751	Bru Mtr O.L. RE-START!	●	●	Brush motor overload	
A0571	Propel Mtr O.L. RE-START!		●	Propel motor overload	
A0139	Batt Low Charge Batt	●	●	Battery is low	Charge the battery
A0140	Batt Empty Charge Batt NOW	●	●	Battery is empty	Charge the battery NOW
A0456	Control Unit Overheat! Wait	●	●	Control Unit Overheat	Turn off the machine,after a moment, RE-START machine
F0755	Check Brush Motor	●	●	Open circuit brush motor	Check the brush motor / Wiring
F0756	Check Brush Motor	●	●	Short circuit brush motor	Check the brush motor / Wiring
F1135	Check Vacuum Motor	●	●	Open circuit Vacuum motor	Check the Vacuum motor / Wiring
F1136	Check Vacuum Motor	●	●	Short circuit Vacuum motor	Check the Vacuum motor / Wiring
F1316	Check Soln Solenoid	●	●	Open circuit Soln Solenoid	Check the wiring & Contactors
F1315	Check Soln Solenoid	●	●	Short circuit Soln Solenoid	Check the wiring & Contactors
F0575	Check Propel motor		●	Open circuit Propel motor	Check the Propel motor / Wiring
A0002	Turn Dead Sw Off RE-START!		●	Emergency stop button activated.	Release emergency stop button and restart machine.
F0474	Check Control Unit	●	●	Malfunction Control Unit	Restart machine,Contact service center
F1646			●		
F1645			●		
F0471		●	●		
A0753		●	●		
A0767		●	●		
A1134		●	●		
F1137		●	●		

BASIC TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Machine will not operate	Control handle bail not pulled	Pull control handle bail
	Batteries need to be charged	Charge batteries
	Bad batteries	Replace batteries
	Loose batteries connection	Tighten the connector
	Main control unit circuit breaker tripped	Reset main control unit breaker
	Faulty key switch	Contact ICE service center
Brush motor will not operate	Scrub head is raised off floor	Lower scrub head
	Faulty scrub head (up/down)switch	Contact ICE service center
	Faulty control handle bail switch	Contact ICE service center
	Faulty brush motor or wiring	Contact ICE service center
	Worn Motor carbon brushes	Contact ICE service center
Machine does not propel (Drive model)	Faulty transaxle motor or wiring	Contact ICE service center
	Worn Motor carbon brushes	Contact ICE service center
Vacuum motor will not operate	Faulty vacuum motor or wiring	Contact ICE service center
	Worn Motor carbon brushes	Contact ICE service center
Little or no solution flow	Ball valve set too low or shut off	Turn on the ball valve
	Solution flow control knob set too low or shut off	Adjust solution control flow knob
	Clogged solution tank filter or solution hose	Clean solution tank filter or flush out solution hose
	Clogged solution Solenoid valve	Remove valve and clean
Poor water pick up	Recovery tank is full	Drain recovery tank
	Loose drain hose cap	Tighten cap
	Clogged float shut-off screen located in recovery tank	clean screen
	Clogged squeegee assembly	Clean squeegee assembly
	Worn squeegee blades	Replace or rotate squeegee blades
	Incorrect squeegee blade deflection	Adjust squeegee blade height
	Loose vacuum hose connections	Secure hose connections
	Clogged vacuum hose	Remove clogged debris
	Damaged vacuum hose	Replace vacuum hose
	Recovery tank cover not in place	Properly position cover
	Damaged recovery tank cover seal	Replace seal
	Faulty vacuum motor	Contact ICE service center
	Low battery charge	Recharge batteries
Short run time	Low battery charge	Fully recharge batteries
	Defective batteries	Replace batteries
	Faulty battery charger	Repair or replace battery charger
	Down pressure lever is set for extra scrub head pressure	Lower down pressure lever

TECHNICAL SPECIFICATIONS

MODEL	20Y	20YL	20YT	20YTL	20YT-OB	24YT	24YTL
	Brush Assist		W/Drive		Orbital head	Dual disk	
DIMENSIONS L	55.1 in / 1,400 mm				53.5 in / 1,360 mm	52in / 1,325 mm	
DIMENSIONS W	22 in / 560 mm				22 in / 560 mm	25.6 in / 650 mm	
DIMENSIONS H	44.5 in / 1,130 mm				44.5 in / 1,130 mm	44.5 in / 1,130 mm	
WEIGHT	218 lbs / 99 Kg		236 lbs / 107 Kg		251 lbs / 114 Kg	236lbs / 107 Kg	
WEIGHT WITH BATTERIES	417 lbs / 189 Kg	278 lbs / 126 Kg	434 lbs / 197 Kg	295 lbs / 134 Kg	450 lbs / 204 Kg	434 lbs / 197 Kg	295 lbs / 134 Kg
RECOVERY TANK CAPACITY	17.2 Gal / 65 L						
SOLUTION TANK CAPACITY	15.9 Gal / 60 L						
SQUEEGEE WIDTH	31in / 780 mm						
CLEANING PATH WIDTH	20 in / 500 mm (Disk)				20 in/500 mm (20 in x 14 in Pad)	24 in / 600mm	
PRODUCTIVITY RATE	19,375 ft^2 / 1,800 m^2 h		23,680 ft^2 / 2,200 m^2 h			28,000 ft^2 / 2,600m^2 h	
DRIVE SYSTEM	Brush Assisted		Transaxle, 0.27 hp / 0.2KW				
TRAVEL SPEED, MAXIMUM	N/A		246 ft / Min 75 m / Min				
MINIMUM AISLE TURN	63 in / 1,600 mm						
PAD/BRUSH PRESSURE	65 lbs / 30 Kg Min 100 lbs / 45 Kg Max						
SOLUTION FLOW RATE	0 ~ 0.37 Gal / Min 0 ~ 1,400 ml / Min						
BRUSH MOTOR	0.87hp / 0.65KW 220 RPM				0.75hp / 0.55KW 2,200RPM	0.9hp / 0.68KW 2,000RPM	
VIBRATIONS @ CONTROLS	N/A				< 2.5 m / s^2 < 8.2 ft / s^2	N/A	
VACUUM MOTOR	0.7hp / 0.5KW						
WATER LIFT - AIR FLOW	45 in / 1,143 mm						
BATTERIES	2-12V 130AH @ 20 hr Lithium-ion batteries,2560Whr(OPTIONAL)						
RUN TIME PER CHARGE	3.5 Hours		3 Hours				
VOLTAGE DC	24V						
DECIBEL RATE AT OPERATOR'S EAR, INDOORS	MAX:68dB(A) ECO:65dB(A)						
GRADE LEVEL, MAX	5% (3°)						

DECLARATION OF CONFORMITY

ICE Cobotics EMEA
Tokyostraat 27,1175RB,Lijnden,the Netherlands

Herewith we declare that the product

Automatic Scrubber
Model number: 20Y, 20YT, 20YT-OB, 24YT, 20YL, 20YTL, 20YTL-OB, 24YTL
Serial number range:

20Y : 60073 100001 - 60073 199999
20YT : 60074 100001 - 60074 199999
20YT-OB : 60075 100001 - 60076 199999
24YT : 60076 100001 - 60076 199999
20YL : 60077 100001 - 60077 199999
20YTL : 60078 100001 - 60078 199999
20YTL-OB : 60086 100001 - 60086 199999
24YTL : 60079 100001 - 60079 199999

is in conformity with the following European Directives and harmonised standards
2006/42/EC, 2014/35/EU, 2014/30/EU
EN IEC 55014-1:2021
EN IEC 61000-3-2:2019 +A1:2021 +A2:2024
EN 61000-3-3:2013 +A1:2019 +A2:2021 +AC:2022-01
EN IEC 55014-2:2021
EN 60335-2-67:2012
EN 60335-1:2012 +AC:2014 +A11:2014 +A13:2017 +A1:2019 +A14:2019 +A2:2019 +A16:2023
EN 62233:2008
EN ISO 12100:2010
EN 60204-1:2018

CE



Stefan Bergman
CEO
Lijnden, Mar.30,2026

ICE Cobotics Hong Kong
Unit 2802B-4, 28/F, Nanyang Plaza, 57 Hung To Road, Kwun Tong, Kowloon, Hong Kong, China

ICE Cobotics China
Sales & Marketing Center
Room # 207, No. 308 of Kangshan Road, Pudong District, Shanghai, P.R.C

ICE Cobotics (Guangdong) Company Limited
Fushan Section, Xiangshi Road, Liaobu Town, Dongguan, Guangdong. P.R.C

ICE Cobotics US
4242 58th Street, Holland, MI 49423, United States

ICE Cobotics EMEA
Tokyostraat 27, 1175 RB , Lijnden, the Netherlands

CERTIFICATE OF QUALIFIED

MODEL:_____ SERIAL NO.:_____

INSPECTOR:_____ DATE:_____

ICE Cobotics (GuangDong)Company Limited

TEL:(+86) 769 8186 9000 FAX:(+86) 769 8186 3000