

MAINTENANCE

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Service indicator icon is flashing	Machine or on-board battery charger fault has been detected	See SERVICE INDICATOR CODES
ec-H2O icon is red or flashing red	ec-H2O system fault has been detected	See SERVICE INDICATOR CODES
ec-H2O icon is flashing red and blue	ec-H2O cartridge has reached maximum water usage or expiration	Replace ec-H2O cartridge
Machine will not operate	Emergency shut-off button activated	Turn button to reset
	Machine fault detected	See SERVICE INDICATOR CODES
	Batteries discharged	Recharge batteries
	Loose battery cable(s)	Tighten loose cables
	Faulty battery(s)	Replace battery(s)
	Faulty key switch	Contact service
	Faulty start bail switch	Contact service
	Circuit breaker tripped	Reset circuit breaker
On-board battery charger will not operate	Faulty control board	Contact service
	Plug not connected to power supply	Check plug connection
	Batteries over discharged	Replace batteries
	Battery charger fault detected	See SERVICE INDICATOR CODES
	Faulty charger	Replace charger
Machine will not propel	Faulty power supply cord	Replace power supply cord
	Propel fault has been detected	See SERVICE INDICATOR CODES
	Circuit breaker tripped (T600e)	Reset circuit breaker
	Electronic parking brake system is disengaged (option)	See PUSHING AND TRANSPORTING MACHINE.
	Faulty propel motor or wiring	Contact service
Brush motor will not operate	Worn carbon brushes in motor	Contact service
	Brush motor fault has been detected.	See SERVICE INDICATOR CODES
	Faulty pad motor or wiring	Contact service
	Circuit breaker tripped (T600e)	Reset circuit breaker
	Worn carbon brushes in motor	Contact service
Vacuum motor will not operate	Broken or loose belt (cylindrical brush model)	Contact service
	Squeegee assembly is raised off floor	Lower squeegee assembly to floor
	Vacuum motor fault has been detected	See SERVICE INDICATOR CODES
	Faulty vacuum motor or wiring	Contact service
Poor scrubbing performance	Circuit breaker tripped	Reset circuit breaker
	Debris caught in brush/pad	Remove debris
	Worn brush/pad	Replace brush/pad
	Incorrect brush pressure	Adjust brush pressure
	Wrong brush/pad type	Use correct brush/pad for application
	Low battery charge	Recharge batteries
	Uneven brush pressure	Scrub head/brushes not level. Contact service
Broken or loose belt (cylindrical brush model)		Contact service

TROUBLESHOOTING - Continued

PROBLEM	CAUSE	SOLUTION
Trailing water - poor or no water pickup	Full recovery tank or excessive foam buildup	Drain recovery tank
	Loose drain hose cap or flow control valve is open	Replace cap or close flow control valve on drain hose
	Worn squeegee blades	Rotate or replace squeegee blades
	Squeegee casters are worn	Replace casters
	Squeegee blade pitch out of adjustment	Adjust blade pitch
	Clogged drip trap (Squeegee assembly)	Remove cover and clean
	Clogged squeegee assembly	Clean squeegee assembly
	Loose vacuum hose connection	Secure vacuum hose connection
	Clogged vacuum hose	Flush vacuum hose
	Damaged vacuum hose	Replace vacuum hose
	Clogged float shut-off screen in recovery tank	Clean screen
	Recovery tank lid not completely closed	Check lid for obstructions
Little or no solution flow	Defective seals on recovery tank lid	Replace seal
	Empty solution tank	Refill solution tank
	Low solution flow rate set	Increase solution flow rate
	Clogged solution tank filter	Clean filter
Severe environment tank does not dispense detergent	Plugged solution supply line	Flush solution supply line
	No detergent	Refill tank
	Faulty float switch	Contact service
	Defective pump	Contact service
	Defective pump potentiometer	Contact service
Automatic battery watering tank does not dispense water	Faulty control panel	Contact service
	Tank is empty	Refill tank
	Defective pump	Contact service
	Pump not priming	Contact service
Short run time	Faulty control board	Contact service
	Low battery charge	Charge batteries
	Batteries need maintenance	See BATTERIES
	Defective battery or end of battery life	Replace batteries
	Battery discharge indicator (BDI) programmed incorrectly	See CHARGING BATTERIES
	Faulty charger	Replace battery charger
Solution tank auto-fill does not function properly	Brush pressure set too high	Lower brush pressure
	Coupler not properly connected	Connect coupler
	Faulty shut-off float	Replace float. Contact service
Excessive scrub head noise (Orbital model)	Machine not on level surface	Machine must be on level surface
	Damaged scrub head isolators	Replace isolators. Contact service