

Troubleshooting

PROBLEM	CAUSE	SOLUTION
No machine function	Console lid is open	Close console lid
No power to machine	Battery disconnected	Check all battery cable connections
	Emergency shut-off activated	Reset
	Battery cables corroded	Clean connections
	Faulty key switch	Replace switch
	Batteries not plugged in	Plug batteries in
	On Board charger plugged in	Un-plug and stow cord
Little or no propel	Low battery charge	Charge batteries
	Tripped circuit breaker	Reset controller circuit breaker
	Machine turned on with pedal not in neutral position	Allow pedal to return to neutral. Restart
	Controller protecting motor from overload	Controller limits motor amperage. Allow unit to cool down for several minutes.
	Machine is stalled against an obstacle (threshold, curb, etc.)	Remove obstacle or push machine away from obstacle
	Controller overheated	Allow cool down period
	Loose motor connection	Check wires and connections from controller to motor
	Faulty throttle circuit or potentiometer	Check wires and connections from and potentiometer resistance
	Faulty drive reset circuit or switch	Check wires, connection and switch
	Faulty platform circuit or switch	Check wires, connections and switch
	Brake over-ride engaged	Disengage brake over-ride
	Faulty brake circuit or over-ride switch	Check wires, connections and switch
Drive Lever disengaged	Engage drive	
Machine does not change speeds	Faulty speed control circuit or switch	Check wires & connections
Forward speed only	Faulty forward/reverse circuit	Check wires & connections
Reverse speed only		
Battery indicator light flashing	Battery needs charged	Charge Battery
	Controller is indicating a fault code	See fault code table

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PROBLEM	CAUSE	SOLUTION
Vacuum motor does not run, or runs slowly	Faulty vacuum circuit or switch	Check wires & connections
	Worn vacuum motor brushes	Replace brushes, check commutator
	Vacuum circuit breaker tripped	Reset circuit breaker
Vacuum and brush do not turn on	Circuit breaker tripped	Reset
	Full bag or clog in system (bag full light on)	Replace bag, empty debris tray, check for and remove clogs
Poor vacuum performance	Debris caught in system	Remove debris
	Low battery charge	Charge batteries
	Lid is not closed correctly	Close and latch lid correctly
	Faulty gaskets	inspect and replace gaskets
	Accessory hose is not sealed shut.	assure hose is tight in hose holder
	Bag or debris tray are full	Empty tray, replace bag
	Vacuum diverter valve not actuating	Check for debris
		Check electrical connections
	Check timer circuit board	
Brush motors do not run, or runs slowly	Circuit breaker tripped	Reset circuit breaker
	Low battery charge	Charge battery
	Faulty brush circuit or motor	Check wires, connections and motor
	Bag full light on	Replace bag, empty debris tray or remove clog.
	Worn brush motor brushes	Replace brushes, check commutator
Deck won't go down	Actuator circuit breaker tripped	Reset actuator circuit breaker
Side broom not running	Fuse is blown	Clear foreign objects from broom that inhibit free motion, replace fuse.
Brush door won't close	Cylindrical brushes not installed correctly.	Align brushes to drive shaft assemblies, close door.

Battery Discharge Indicator Troubleshooting

The battery indicator flashes when a problem occurs. The table below list solutions for the indicated problems.

Number of flashes	Problem	Solution
1	The battery needs charging, there is a bad connection to the battery or dependent on the 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.
2	There is a bad connection to the drive motor.	Check all connections between the motor and the controller.
3	The drive motor has a short circuit to a battery connection.	Contact your service agent.
4	The battery charge level has fallen below the battery Lockout Level and the controller is inhibiting brush and vacuum functions	Charge the battery.
5	Not used.	-
6	The controller is being inhibited from driving, this may be because the battery charger is connected (on board charger only).	Disconnect battery charger.
7	A throttle fault is indicated.	Make sure that the throttle is in the rest position before switching on the machine.
8	A controller fault is indicated.	Make sure that all connections are secure.
9	The parking brake has a bad connection.	Check the parking brake and motor connections. Make sure the controller connections are secure.
10	An excessive voltage has been applied to the controller. This is usually caused by a poor battery connection.	Check the battery connections.
-	Blinks once every 5 seconds	Sleep mode, cycle key switch