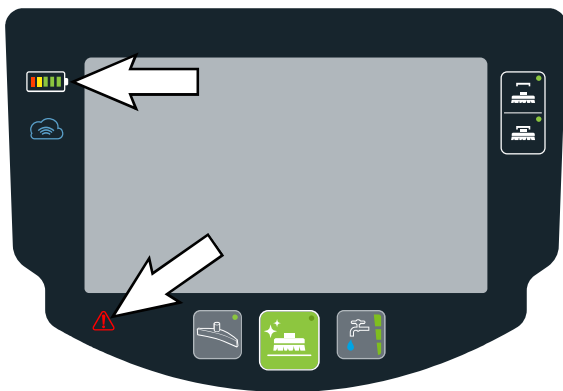


MACHINE TROUBLESHOOTING

Problem	Cause	Remedy
Trailing water-poor or no water pickup	Vacuum fan turned off	Turn vacuum fan on
	Worn squeegee blades	Rotate or replace squeegee blades
	Vacuum hose clogged	Flush vacuum hoses
	Vacuum fan filter dirty	Clean vacuum fan filter
	Vacuum fan cover seals worn	Replace seals
	Debris caught on squeegee	Remove debris
	Vacuum hose to squeegee or recovery tank disconnected or damaged	Reconnect or replace vacuum hose
	Recovery tank cover not completely closed	Check for obstructions and close cover
Vacuum fan will not turn on	Vacuum fan switch turned off	Turn vacuum switch on
	Recovery tank full	Drain recovery tank
	Foam filling recovery tank	Empty recovery tank
		Use less detergent
	Recovery tank sensor dirty or stuck	Clean or replace sensor
Little or no solution flow to the floor	Solution tank empty	Fill solution tank
	Solution flow turned off	Turn solution flow on
	Solution supply lines plugged	Flush solution supply lines
	Clogged solution tank filter	Drain solution tank, remove solution tank filter, clean and reinstall
Poor scrubbing performance	<i>1-Step button</i> not on	Turn <i>1-Step button</i> on
	Improper detergent or brushes used	Contact Tennant service representative
	Recovery tank full	Empty recovery tank
	Solution tank empty	Fill solution tank
	Debris caught on scrub brushes or pads	Remove debris
	Worn scrub brush	Replace scrub brush
	Low battery charge	Charge batteries until the charger automatically turns off

SERVICE INDICATOR CODES

When the machine or battery charger detects a fault, the service indicator will flash. A fault code will be provided to determine problem as described below.



LED Light Pattern	LCD Fault Code	Fault Condition	Reason	Correction
None	0x0000	FAULT_NONE		
None	0x0010	FAULT_PARKING_BRAKE		
	0x0790	FAULT_SOLUTION_TANK_EMPTY	1. Solution tank empty. 2. Wiring, connector, or solution tank switch issue.	1. Fill solution tank. 2. If solution tank is not empty, check tank switch and wiring.
	0x0791	FAULT_RECOVERY_TANK_FULL	1. Recovery tank full. 2. Wiring, connector, or recovery tank switch issue.	1. Empty recovery tank. 2. If recovery tank is not full, check tank switch and wiring.
	0xFF11	FAULT_LOW_BATTERY	1. Battery voltage too low.	1. Charge battery.
	0xFF12	FAULT_VERY_LOW_BATTERY	1. Battery voltage too low.	1. Charge battery.
	0xFFFF0	FAULT_ESTOP	1. E-Stop pressed. 2. E-Stop wiring problem.	1. Key off machine. 2. Press and reset E-Stop button. 3. Key on machine. 4. If fault persists, check harness connections between E-Stop and Propel Controller. 5. Replace or repair harness. 6. Replace E-Stop button.
	0xFFFFF	FAULT_UNKNOWN		

LED Light Pattern	LCD Fault Code	Fault Condition	Reason	Correction
	0xF100	FAULT_CHARGER_GENERIC	1. Charger error condition.	1. Contact service.
	0xF101	FAULT_CHARGER_NO_BATTERY	1. Charger not connected to battery pack.	1. Check cable connections. 2. If fault code persists, contact service.
	0xF102	FAULT_CHARGER_OVERHEAT	1. Charger overheated.	1. Let charger cool. Move to well ventilated area. 2. If fault persists, contact service.
	0xF103	FAULT_CHARGER_CAN_LOST	1. Charger communication fault.	1. Power cycle machine. 2. If fault code persists, contact service.
	0xF104	FAULT_CHARGER_TIMER_PHASE_I	1. Battery unable to charge correctly	1. Contact service.

NOTE: Contact a Tennant Service representative for all other fault codes.