

**Reference Document:** N/A  
**Date of Issue:** 10/26/2020  
**Applicable Equipment:** Gladiator Series  
**Applicable Part/Kit#:** N/A

## Troubleshooting

Problem	Cause	Remedy
TRACTION PROBLEM	Traction card failure, short circuit inside the Mosfet.	Check if traction motor runs smoothly. Check power consumption is $\approx 10\text{--}12\text{A}$ on flat surface. Replace the power card.
MOTOR TEMPERATURE PAUSE	Traction motor temperature is $>95^{\circ}\text{C}$	Wait $\approx 30'$ for the machine temperature to go down.
	Thermic sensor is defective, cable is interrupted.	Check with a multimeter the continuity of the wires.
	The display card is defective.	Replace display card.
TRACTION TEMPERATURE PAUSE	Power card temperature sensor $>85^{\circ}\text{C}$	Wait $\approx 30'$ that the main board temperature go down.
	Charge pump in the display card is defective, error appear $\approx$ every 15 min	Check the parameter charge pump (after enabling UPB1 in tech menu) it must be 36V, if no replace the card.
BRUSH WORN OUT	The bottom limit switch inside actuator is pressed by the shaft.	Check that the limit switch works correctly and is not stuck.
	The bristles are short and the actuator reach limit range.	Replace the main brush.
	Pressure is too high for the surface.	Reduce the pressure in the 3 programs.
ACCELERATOR CABLE	Accelerator potentiometer is interrupted.	Replace the potentiometer.
	Wires between card and potentiometer are interrupted.	Check the wires with a digital multimeter.
BRUSH CURRENT	Central brush is not free to rotate.	Remove the central brush and clean the area.
	Brush motor is locked.	Check the rotation of the brush motor, replace bearings.
	Carbon brush are worn out completely.	Remove the motor and replace the carbons.
ERR MART DISCESA	No tension on the power card.	Check the wires between the main fuse and traction card.
	Main contactor does not close completely.	Remove the main contactor, open to check the contacting surface and clean. If still not working, replace the contactor.
ERR MART SALITA	Over current on brush actuator.	Remove the actuator, check the correct functioning of top limit switch and eventually adjust with the register.
CHARGE PUMP	Display card internal failure.	Replace the display card.