

# Troubleshooting the Gladiator

ref.	Display Error Code	Brush	Vacuum	Traction	Error Source	Cause	Solution
1	Traction Problem	Off	Off	Off	Power Card	a- Traction card failure, short circuit inside the Mosfet	a- Check if traction motor runs smoothly. Check power consumption is ≈10-12A on flat surface. Replace the power card.
2	Motor Temperature Pause	Off	Off	Off	Traction Motor Temperature Sensor >95°C	a- Traction motor temperature is >95°C b- Thermic sensor is defective, cable is interrupted. c- The display card is defective.	a- Wait ≈ 30' for the machine temperature to go down b- Check with a multimeter the continuity of the wires. c- Replace display card.
3	Traction Temperature Pause	Off	Off	Off	Power Card	a- Power card temperature sensor >85°C b- Charge pump in the display card is defective, error appear ≈ every 15 min	a- Wait ≈ 30' that the main board temperature go down b- Check the parameter charge pump (after enabling UPB1 in tech menu) it must be 36V, if no replace the card.
4	Brush Worn Out	On	On	On	Brush, Actuator	a- The bottom limit switch inside actuator is pressed by the shaft. b- The bristles are short and the actuator reach limit range. c- Pressure is too high for the surface.	a- Check that the limit switch works correctly and is not stuck. b- Replace the main brush. c- Reduce the pressure in the 3 programs.
5	Accelerator Cable	Off	Off	Off	Potentiometer	a- Accelerator potentiometer is interrupted. b- Wires between card and potentiometer are interrupted.	a- Replace the potentiometer. b- Check the wires with a digital multimeter.
6	Brush Current	Off	Off	On	Brush Motor	a- Central brush is not free to rotate. b- Brush motor is locked. c- Carbon brush are worn out completely.	a- Remove the central brush and clean the area. b- Check the rotation of the brush motor, replace bearings. c- Remove the motor and replace the carbons.
7	Err Mart Discesa	Off	Off	On	Contactore	a- No tension on the power card. b- Main contactore does not close completely.	a- Check the wires between the main fuse and traction card. b- Remove the main contactore, open to check the contacting surface and clean. If still not working, replace the contactore.
8	Err Mart Salita	Off	Off	On	Actuator	a- Over current on brush actuator.	a- Remove the actuator, check the correct functioning of top limit switch and eventually adjust with the register.
9	Charge Pump	Off	Off	Off	Display Card	a- Display card internal failure.	a- Replace the display card.