

Mobility scooter trouble shooting

1、打开电门锁无任何反应：电门锁故障，保险丝烧坏，电池线触动松动，车辆连接线插件接触不良，电池没电或损坏，控制器烧坏。

Scooter no replying after open the key switch, should check key switch, fuse, battery connector line, battery no power, controller broken.

2、无状态显示，灯能正常点亮：指示灯板故障，连接线接触不良，状态 LED 灯损坏

Status light not light but other light can light on: control board problem, status not good connected, Status LED light broken.

3、大灯不亮：检查是否有电压输出，有：请检查灯是否正常；无：连线接触不良，线路板故障，保险丝。

Front light not lighting: check weather has voltage into the lights, If Yes, please change the lights bulb; If no voltage, please check the line, then check the control board and fuse.

4、转向灯不亮：检查是否有电压输出，有，请检查灯是否正常；无，连线接触不良，线路板故障，喇叭故障。

Turning light not lighting: check weather has voltage into the lights, If Yes, please change the lights bulb; If no voltage, please check the line, then check the control board and fuse, horn.

5、刹车灯不亮：检查是否有电压输出，有，请检查灯是否正常；无，连线接触不良，线路板故障，控制器故障。

Turning light not lighting: check weather has voltage into the lights, If Yes, please change the lights bulb; If no voltage, please check the line, then check the control board and controller. .

6、无报警声音：主线插件接触不良，电路板坏，控制器坏。

If no warning notice: control board not good connection or control board broken, controller broken,

7、电机无法运行，或缓慢：电池故障，插件接触不良，电磁刹车故障，手刹器卡住，电机故障，如在运行过程中突然停止或减速运行，可能是控制器保护功能作用，请等待 15 分钟后重新运行。

Scooter not running or run very slowly: battery problem, check if battery connect well and if battery full (Voltage: up 26V). Or check electric brake problem, the electric brake not in driving model. Or motor problem.

If the motor stop or run slowly when driving: controller protection, waiting 15 minuets then can start again.

控制器故障报警功能

控制器包含用来识别问题和排除故障的程序，当诊断程序检测出问题和错误时，控制器会输出故障代码，在状态 LED 灯和语音中显示出来。先在闪耀 10 秒后，故障显示 LED 和语音以闪烁次数来显示代码。例：代码☼☼ ☼☼☼☼ (2 4) 表示 LED 灯先连闪 2 次，停顿数秒后再连闪 4 次。同时也会输出语音报警，信号跟 LED 相同。

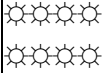
The controller include special notice for problem analysis system, when some problem from the scooter, the status lights will glint and come beep notice. Example: Code ☼☼ ☼☼☼☼ (2 4) this means status light glint 2 times, then stop 3 seconds come 4 times glints again. At the same time, the beep notice same as glint.

用户可尝试按下列方法解决问题，如果问题持续存在，请向我们或我们的代理商咨询。

The dealer can try to use the following ways to solve the problem, if the problem still can not solve, please contact with us.

编程器显示 Programmer showing	LED 代码 Status light	故障现象 Problem showing	故障原因分析 Problem analysis
THERMAL CUTBACK	☼☼	过/欠温切断 low/over temperature protection	1. 温度>92℃或<-25℃ Temperature>92℃/<-25℃ 2. 车辆过载 over loading 3. 在极其恶劣环境下运行 Running in very bad environment 4. 电磁制动没有正常释放 Electric brake not in driving model
THROTTLE FAULT 1	☼ ☼☼	电位器高端或电位器 低端电压超出范围 Problem of throttle potentiometer	1. 加速器输入开路或短路 Potentionmeter input line short/disconnection 2. 加速器电位器坏 Potentiometer broken 3. 加速器类型选择错误 Potentiometer voltage not show 0-5V.
SPD LIMIT POT FAULT	☼ ☼☼☼	限速电位器故障 Speed potentiometer	1. 限速电位器连线开路或短路 Potentiometer input line short/disconnection 2. 限速电位器坏 Potentiometer broken
LOW BATTERY FAULT	☼ ☼☼☼☼	电池电压过低 Low battery	电池电压<17V, 请及时充电 Battery voltage low then 17V, please charge.
OVER VOLTAGE	☼ ☼☼☼☼☼	电池电压过高 Higher battery voltage	1. 电池电压>36V battery voltage more than 36V 2. 车辆运行时仍连接充电器 Charge when scooter turning. 3. 电池接触不良 battery not good connection
MAIN OFF FAULT	☼☼ ☼	主接触器关故障 Main controller	控制器故障 controller problem, please contact with

			supplier
MAIN CONT WELDED	☼☼ ☼☼	主接触器粘连 Controller problem	控制器故障 controller problem, please contact with supplier
MAIN CONT DNC	☼☼ ☼☼☼	主接触器无法闭合 Controller problem	控制器故障 controller problem, please contact with supplier
MAIN ON FAULT	☼☼ ☼☼☼☼	主接触器打开的驱动程序错误 Controller problem	控制器故障 controller problem, please contact with supplier
PROC/WIRING FAULT	☼☼☼☼ ☼	高位保护功能出现故障时间超过10秒 throttle problem keep long then 10 seconds	1.不正确的操作加速器 not right operation. 2.加速器电位器或加速器的机械部分出现故障 potentiometer problem or machinery of potentionmeter
BRAKE ON FAULT	☼☼☼☼ ☼☼	刹车失效 electric brake broken	1.电磁刹车短路 electric brake short connected 2.电磁刹车线圈开路 electric brake dis connected
PRECHARGE FAULT	☼☼☼☼ ☼☼☼☼	预充电故障 show you need charge again	1.控制器故障 controller problem 2.电池电压低 low battery
BRAKE OFF FAULT	☼☼☼☼ ☼☼☼☼	刹车抱死 electric brake not release	1.电磁刹车开路 electric brake short connected 2.电磁刹车线圈短路 electric brake dis connected
HPD	☼☼☼☼ ☼☼☼☼☼☼	高位保护功能失效 not well programming	2. 错误的调节了加速器 make wrong programming on controller
CURRENT SENSE FAULT	☼☼☼☼☼☼ ☼	电流检测故障 Current	1.电机或电机线圈短路 motor short connected 2.控制器故障 controller problem
HW FAILSAFE	☼☼☼☼☼☼ ☼☼	电机电压错误 Motor show wrong voltage	1.电机电压不能匹配加速器的需要 need programming controller again because changed motor 2.电机或电机线圈短路 motor short connected 3.控制器故障 controller problem
EEPROM FAULT	☼☼☼☼☼☼ ☼☼☼☼	EEPROM 故障	控制器 EEPROM 故障

		EEPROM problem	Controller need be programming again.
POWER SECTION FAULT		输出部分故障 Controller output problem	1.控制器 EEPROM 故障或失效 controller need programming again.
			2.电机或电机线圈短路 motor short connected
			3.控制器故障 controller problem



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