

Common faults and treatment

Detection of controller failure

The controller contains a program for identifying problems and troubleshooting. When the diagnostic program detects problems and errors, the buzzer will alarm, the buzzer continuously alarms until the fault is eliminated.

Users can try the following methods to solve the problem, if the problem persists, please consult the manufacture or dealer.

NO	Number of flashes / beeps	Number	Fault	Fault causes and troubleshooting
1	□ □ □	1-2	Throttle control lever(lever potentiometer) Open circuit fault	There is a problem with the throttle control lever (lever potentiometer) connection, check whether the potentiometer is in good welding condition and whether the plug is in place. If the problem cannot be solved, please contact the dealer or the manufacturer.
2	□ □ □ □ □ □ □	2-5	Throttle control lever(lever potentiometer) short circuit fault	There is a short circuit in the connection of the throttle control lever (lever potentiometer), check whether the lead of the potentiometer has a short circuit of stranded wires. If the problem cannot be solved, please contact the dealer or the manufacturer.
3	□ □ □ □ □ □ □	1-6	The throttle control lever is not in the center when powered on.	If the lever is not in the center position when powered on, the scooter will break down and the controller will issue a warning. Please check whether the lever is in the center position, make sure the lever is in normal position, power off and on again. In other cases, the lever may need to be recalibrated. If the problem cannot be solved, please contact the dealer or the manufacturer.
4	□ □ □ □ □	3-2	Electromagnetic brake failure (open or short circuit of brake coil)	Check whether the manual freewheel lever is turned on. In electric walking, the manual freewheel lever must be turned on. Exclude the above situation, check whether the brake plug-in is connected normally, whether the micro brake switch is turned on and off

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				well, and whether the brake coil is good.
5	□ □ □ □	1-3	Charge disabled	Please check if it is charging
6	□ □ □ □ □ □	1-5	Under voltage	Please check battery voltage The battery voltage is too low, the controller breaks down the scooter, and then issues a dead battery warning. If the scooter is turned off for a few minutes, the battery may recover a little. It may be allowed to drive for a short period of time.
7	□ □ □ □ □	1-4	Motor Hall fault (The Hall is open or shorted or the Hall is damaged)	In the case of ensuring that the Hall plug is in good contact, use a multimeter DC20V to detect whether the high and low voltage (0V/5V) conversion of the motor Hall is normal.
8	□ □ □ □ □ □	2-4	Controller internal fault	Please contact the dealer or the manufacturer.
Notes	1. If above faults happened, the fault indicator and buzzer will work synchronously until fault was removed and the scooter was rebooted, the buzzer synchronously alarm will stop after two times to avoid the noise pollution.			
	2. Example: “*** **”means fault indicator blink three times, and then it will blink two times after a short time interval (or buzzer keep on ticking), which all prompt user there’s a failure with electromagnetic brake.			