

TALARIA TL4000 L1e ERROR CODES & SOLUTIONS

S/N	ERROR CODE (EUROPE STANDARD VERSION)	FAULT DESCRIPTION	CAUSE ANALYSIS	SOLUTION	SUGGESTION
1	00001	Protection IC fault	The inner communication of the chip is disconnected	Restarting	If the error code still shows on the dash, please send the electric motorcycle to the nearest dealer to inspect and repair.
2	00002	Battery Cell disconnection	The cell is not firmly welded, resulting in dry joint or fracture of connecting piece and poor contact of sampling line.	Restarting	If the error code still shows on the dash, please send the electric motorcycle to the nearest dealer to inspect and repair.
3	00003	Voltage of battery cells are not balanced.	The difference of battery cells is more than 500mV, this error code will display on the dash.	Restarting	If the error code still shows on the dash, please send the electric motorcycle to the nearest dealer to inspect and repair.
4	00004	Battery capacity measurement error	Don't have this error for STING's battery. Just a default setting error.	/	
5	00005	Storage error	Record devices got failure.	Restarting	If the error code still shows on the dash, please send the electric motorcycle to the nearest dealer to inspect and repair.
6	00006	Time display error	Time device got failure.	Restarting	If the error code still shows on the dash, please send the electric motorcycle to the nearest dealer to inspect and repair.
7	00007	Discharge MOS error	Discharge circuit got failure	Restarting	If the error code still shows on the dash, please send the electric motorcycle to the nearest dealer to inspect and repair.
8	00008	Charge MOS error	Charge circuit got failure	Restarting	If the error code still shows on the dash, please send the electric motorcycle to the nearest dealer to inspect and repair.
9	00009	Overcharge error	1. Charging voltage is higher than single battery cell's over charge protection voltage 4250mV. 2. Misinformation of BMS	Restarting	It does not affect riding at this time, but charging is not available. If the error code still shows on the dash, please send the electric motorcycle to the nearest dealer to inspect and repair.
10	0000A	Level 1 over discharge error	Low voltage protection of battery discharge	Users are advised to charge in time.	
11	0000B	Level 2 over discharge error			

12	0000C	Level 1 over discharge current error	The battery discharge current is greater than the level 1 overcurrent protection threshold.	Stop the over current discharge or reduce the discharge current for 1 minute, the error will disappear automatically.	If the error code still shows on the dash, please send the electric motorcycle to the nearest dealer to inspect and repair.
13	0000D	Level 2 over discharge current error	The battery discharge current is greater than the level 2 overcurrent protection threshold.	Stop the over current discharge or control the discharge current less than 110A, or check whether there's the short circuit? If yes, eliminate the short circuit.	If the error code still shows on the dash, please send the electric motorcycle to the nearest dealer to inspect and repair.
14	0000E	Over charging-current error	The charging current is greater than the protection threshold.	Check to see the charger is the right one to match the battery.	If the error code still shows on the dash, please send the electric motorcycle to the nearest dealer to inspect and repair.
15	0000F	Soft start failure error	When the battery is connected with load, the external load capacitance is too large, resulting in failure to start directly.	Please power on and start the electric motorcycle according to the instructions.	
16	00010	Overtime pre-charge error	1. BMS fault. 2. Charger is damaged or does not match.		If the error code still shows on the dash, please send the electric motorcycle to the nearest dealer to inspect and repair.
17	00020	MOS temperature sensor fault error	MOS temperature sensor fault	Restarting	If the error code still shows on the dash, please send the electric motorcycle to the nearest dealer to inspect and repair.
18	00030	Cell temperature sensor fault error	Cell temperature sensor fault	Restarting	If the error code still shows on the dash, please send the electric motorcycle to the nearest dealer to inspect and repair.
19	00040	Battery discharge overtemperature error	When the battery pack is discharging, the battery pack inner temperature is overheated	Stop to ride the electric motorcycle until the discharge overtemperature protection unlocked.	It's strongly suggested to use the bike follow the owner's manual.
20	00050	Battery charge overtemperature	The high battery cell temperature caused this error.	Stop to charge the battery until the charge overtemperature protection unlocked.	It's strongly suggested to charge the battery follow the owner's manual.
21	00060	Battery discharge low temperature error	When the battery pack discharges in very low temperature, the battery will carry out the protection function for low temperature.	Stop to ride the electric motorcycle until the low temperature protection unlocked.	It's strongly suggested to use the electric motorcycle follow the owner's manual.
22	00070	Battery charge low temperature error	When the battery pack is charged in very low temperature, the battery will carry out the protection function for low temperature.	Stop to charge the battery until the low temperature protection unlocked.	It's strongly suggested to charge the battery follow the owner's manual.

23	00080	Battery discharge MOS overtemperature error	It's caused by MOS overtemperature when the battery pack is discharging.	Stop to ride the electric motorcycle until the overtemperature protection unlocked.	It's strongly suggested to use the electric motorcycle follow the owner's manual.
24	00090	Battery charge, MOS overtemperature error	It's caused by MOS overtemperature when the battery pack is charging.	Stop to charge the battery until the discharge overtemperature protection unlocked.	It's strongly suggested to charge the battery follow the owner's manual.
25	000A0	Soft-start circuit overtemperature error	If the temperature is high when use the soft-start, will cause the discharge MOS not work, and lead the entire soft-start circuit to be overtemperature.	Stop to ride the electric motorcycle until the overtemperature protection unlocked.	
26	000B0	Storage error	It's caused by the faulty operation during the production.	Send the electric motorcycle to the nearest dealer to repair.	
27	000C0	Discharge fuse failure error	Don't have this error for STING's battery. Just a default setting error.	/	
28	000D0	Charge fuse failure error	Don't have this error for STING's battery. Just a default setting error.	/	
29	000E0	Level 3 over current error	Short circuit in the external circuit causes this error.	Inspect and eliminate the short circuit.	If you don't have the professional tools, or you can find the short circuit, please send the electric motorcycle to the nearest dealer to inspect and repair
30	000F0	Level 4 over current error	Short circuit in the external circuit causes this error.	Inspect and eliminate the short circuit.	If you don't have the professional tools, or you can find the short circuit, please send the electric motorcycle to the nearest dealer to inspect and repair
31	00100	Setting error	It's caused by the faulty operation during the production.	Send the electric motorcycle to the nearest dealer to repair.	
32	00300	Controller phase wire over current error	Controller phase wire current is equal or greater than the protection threshold.	1. Turn off the electric motorcycle, and switch off the circuit breaker. Then, check the whether the motor phase wire terminal got loose, or broken. And then, check whether the motor outlet phase sequence corresponds to the U / V / W on the controller. Finally, check whether the magnetic encoder output wire corresponds to the yellow, green and blue wires on the harness assy. 2. Check whether anything stuck the rear wheel.	If the solution cannot solve the error, please send the electric motorcycle to the nearest dealer to inspect and repair.

33	00400	Controller busbar over current error	Controller busbar current is equal or greater than the protection threshold.	1. Turn off the electric motorcycle, and switch off the circuit breaker. Then, check the whether the motor phase wire terminal got loose, or broken. And then, check whether the motor outlet phase sequence corresponds to the U / V / W on the controller. Finally, check whether the magnetic encoder output wire corresponds to the yellow, green and blue wires on the harness assy. 2. Check whether anything stuck the rear wheel.	If the solution cannot solve the error, please send the electric motorcycle to the nearest dealer to inspect and repair.
34	00500	Controller MOS error	Controller MOS welding loose or MOS is broken	Replace the controller assy.	
35	00600	Tip-over sensor error	1. The electric motorcycle tip-over. 2. Tip-over sensor got a poor contact, or tip-over sensor broken.	1. Turn off the electric motorcycle, righting it. 2. Restart the electric motorcycle, and the fault is eliminated;	If the solution cannot solve the error, please send the electric motorcycle to the nearest dealer to inspect and repair.
36	00700	Throttle error	1. Throttle connection loose. 2. The throttle didn't return back to the proper position before start. 3.The throttle is broken.	1. Check the throttle connection is loose or broken. 2. Make sure the throttle return to the proper position before the start. 3. If the throttle connection is no problem, and throttler return to the proper position, still have the throttle error. Then, just replace a new throttle.	
37	00800	Low battery protection error	When the battery is low, the low battery protection will run automatically.	It is recommended to charge in time.	
38	00900	Over voltage protection error	When the voltage of the battery is equal or greater than the protection threshold, the over voltage protection will run automatically.	Please use Talaria's stock charger to charge the battery.	If the solution cannot solve the error, please send the electric motorcycle to the nearest dealer to inspect and repair.
39	00A00	Magnetic encoder error	Magnetic encoder got a poor contact or it's broken.	1. Check whether the magnetic encoder got a poor contact? If yes, repair it. 2. If the magnetic encoder is well contacted, it means it's broken. Please replace a new magnetic encoder.	If the solution cannot solve the error, please send the electric motorcycle to the nearest dealer to inspect and repair.

40	00B00	Motor phase wire failure error	Motor phase wire loose or incorrect connection caused the error	Turn off the electric motorcycle, and switch off the circuit breaker. Then, check the whether the motor phase wire terminal got loose, or broken. And then, check whether the motor outlet phase sequence corresponds to the U / V / W on the controller. Finally, check whether the magnetic encoder output wire corresponds to the yellow, green and blue wires on the harness assy.	If the solution cannot solve the error, please send the electric motorcycle to the nearest dealer to inspect and repair.
41	00C00	Motor overtemperature error	High-power operation for a long time, high motor temperature or poor contact or damage of temperature sensor	It is recommended to use it after the temperature protection is removed, or check whether the motor encoder plug is loose.	
42	00D00	Motor temperature sensor fault	Long time peak power riding will cause the motor to be overtemperature, or motor inner temperature sensor got a poor contact, or motor inner temperature sensor is broken.	1. Stop riding until the motor's temperature return to normal. 2. Check whether the magnetic encoder is loose or broken. If it's broken, need to replace with new one.	
43	00E00	Controller overtemperature error	Long time peak power riding will cause the controller to be overtemperature	Stop riding until the controller return to the normal temperature.	If the solution cannot solve the error, please send the electric motorcycle to the nearest dealer to inspect and repair.
44	00F00	Controller temperature sensor error	Long time peak power riding will cause the controller to be overheated, or controller temperature sensor got a poor contact, or controller temperature sensor to be broken.	Stop riding until the controller return to the normal temperature.	If the solution cannot solve the error, please send the electric motorcycle to the nearest dealer to inspect and repair.
45	01000	Current sensor error	Failure of current sensor	Please send the electric motorcycle to the nearest dealer to inspect and repair.	
46	02000	Motor lack of phase error	1. Circuit breaker is not switched on. 2. Motor phase wires (U/V/W) loose or incorrect connection.	1. Switch on the circuit breaker, and restart the bike. 2. Turn off the bike, and switch off the circuit breaker. Then, check the whether the motor phase wire terminal got loose, or broken. And then, check whether the motor outlet phase sequence corresponds to the U / V / W on the controller. Finally, check whether the magnetic encoder output wire corresponds to the yellow, green and blue wires on the harness assy.	If the solution cannot solve the error, please send the electric motorcycle to the nearest dealer to inspect and repair.

47	03000	Motor locked-rotor protection error	During the riding, if the rear wheel is stuck, and cannot rotate, or the motor, gearbox, brake, chain are stuck, will cause the discharge current load to be equal or greater than the protection threshold. Then, cause the error.	<p>1. Turn off the electric motorcycle, as well as to switch off the circuit breaker. Then, put the bike on a lifer, to check whether the rear wheel can rotate normally, if anything stuck the rear wheel, please eliminate it. And please also check whether there're things stuck the motor, gearbox, chain and brake. If yes, please eliminate it.</p> <p>2. Choose the right road condition to ride the bike.</p>	If the solution cannot solve the error, please send the electric motorcycle to the nearest dealer to inspect and repair.
48	04000	Communication Error	CAN communication wire loose, fall off or hardware failure.	Turn off the bike, as well as to switch off the circuit breaker. Then, check the all the CAN connections on the bike to see whether there's the loose or breaks. (Dash connection, controller connection, battery pack communication connection. These 3 positions have CAN connections). If there's the loose or breaks, just repair them, and re-start the bike, the error will be solved.	If the solution cannot solve the error, please send the electric motorcycle to the nearest dealer to inspect and repair.



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