

TALARIA

TALARIA STING TL3000 ERROR CODES & SOLUTIONS

ITEM	ERROR CODES (MX VERSION)	ERROR CODES (L1E VERSION)	DESCRIPTION	ERROR ANALYSIS	SOLUTIONS	REMARKS
1	E01	00001	Protection IC error.	The inner communication of the chip is disconnected.	Re-start the bike.	If the error code still show on the dash, please send the bike to the nearest dealer to inspect and repair.
2	E02	00002	Battery cell connection wire disconnected.	The connect wire for cells are not well welded, cause the welding spot loose,fall off, or connection wire poor contact.	Re-start the bike.	If the error code still show on the dash, please send the bike to the nearest dealer to inspect and repair.
3	E03	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.	Re-start the bike.	If the error code still show on the dash, please send the bike to the nearest dealer to inspect and repair.
4	E04	00004	Battery capacity measurement error.	Don't have this error for STING's battery. Just a default setting error.		
5	E05	00005	Storage error.	Record devices got failure.	Re-start the bike.	If the error code still show on the dash, please send the bike to the nearest dealer to inspect and repair.
6	E06	00006	Time display error.	Time device got failure.	Re-start the bike.	If the error code still show on the dash, please send the bike to the nearest dealer to inspect and repair.
7	E07	00007	Discharge MOS error.	Discharge circuit got failure	Re-start the bike.	If the error code still show on the dash, please send the bike to the nearest dealer to inspect and repair.

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8	E08	00008	Charge MOS error.	Charge circuit got failure	Re-start the bike.	If the error code still show on the dash, please send the bike to the nearest dealer to inspect and repair.
9	E09	00009	Over charge error.	1. Charging voltage is higher than single battery cell's over charge protection voltage 4250mV. 2. Misinformation of BMS .	Re-start the bike.	When this error code display on dash, will not affect the riding, but cannot charge. After the re-start, if the error code still display on dash, please send the bike to the nearest dealer to inspect and repair.
10	E10	0000A	Level 1 over discharge error.	The low battery caused the error codes display on dash.	Users need to charge the battery immediately.	
11	E11	0000B	Level 2 over discharge error.			
12	E12	0000C	Level 1 over discharge current error.	Battery discharge current is bigger than the level 1 over current value, and caused the over current protection function start to work.	Stop the over current discharge or reduce the discharge current for 1 minute, the error will disappear automatically.	If the error code still show on the dash, please send the bike to the nearest dealer to inspect and repair.
13	E13	0000D	Level 2 over discharge current error.	Battery discharge current is bigger than the level 2 over current value, and caused the over current protection function start to work.	Stop the over current discharge or control the discharge current $\leq 110A$, or check whether there's the short circuit? If yes, eliminate the short circuit.	If the error code still show on the dash, please send the bike to the nearest dealer to inspect and repair.
14	E14	0000E	Over charge current error.	Charging current is bigger than the protection charge current value.	Check to see the charger is the right one to match the battery.	If the battery is charged by Talaria stock charger, still show over charge current error, please send the bike to the nearest dealer to inspect and repair.
15	E15	0000F	Software start failure error.	With load electric capacity to connect the battery, if the load electric capacity is too much, will cause the software start failure.	Please follow the owner's manual to turn on the powertrain and start the riding.	
16	E16	00010	Pre-charge time-out error.	1. BMS failure. 2. Failure of the charger or the charger is not match with the battery.	1. If it's caused by BMS failure, need to replace the BMS. 2. If it's caused by the charger failure or unmatched charger, please replace the new correct charger.	If the solution cannot solve the error, please send the bike to the nearest dealer to inspect and repair.
17	E17	00020	MOS temperature sensor failure error.	MOS Temperature sensor failure.	Re-start the bike.	If the solution cannot solve the error, please send the bike to the nearest dealer to inspect and repair.

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18	E18	00030	Battery cell temperature sensor failure error.	Battery cell temperature sensor failure.	Re-start the bike.	If the solution cannot solve the error, please send the bike to the nearest dealer to inspect and repair.
19	E19	00040	Battery discharge overheated error.	When the battery pack is discharging, the battery pack inner temperature is overheated.	Stop to ride the bike until the discharge overheat protection unlocked.	It's strongly suggested to use the bike follow the owner's manual.
20	E20	00050	Battery charge overheated error.	The high battery cell temperature caused this error.	Stop to charge the battery until the charge overheat protection unlocked.	It's strongly suggested to use the bike follow the owner's manual.
21	E21	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 bike until the low temperature protection unlocked.	It's strongly suggested to use the bike follow the owner's manual.
22	E22	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 use the bike follow the owner's manual.
23	E23	00080	Battery discharge, MOS overheated error.	It's caused by the overheated MOS when the battery pack is discharging.	Stop to ride the bike until the overheat protection unlocked.	It's strongly suggested to use the bike follow the owner's manual.
24	E24	00090	Battery charge, MOS overheated error.	It's caused by the overheated MOS when the battery pack is charging.	Stop to charge the battery until the discharge overheat protection unlocked.	It's strongly suggested to use the bike follow the owner's manual.
25	E25	000A0	Soft-start circuit overheated 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 overheated.	Stop to ride the bike until the overheat protection unlocked.	
26	E26	000B0	Storage error.	It's caused by the faulty operation during the production.	Send the bike to the nearest dealer to repair.	
27	E27	000C0	Discharge fuse failure error.	Don't have this error for STING's battery. Just a default setting error.		
28	E28	000D0	Charge fuse failure error.	Don't have this error for STING's battery. Just a default setting error.		
29	E29	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 bike to the nearest dealer to inspect and repair.

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30	E30	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 bike to the nearest dealer to inspect and repair.
31	E31	00100	Setting error.	It's caused by any improper operations during the production.	Send the bike to the nearest dealer to repair.	
32	E33	00300	Controller phase wire over current error.	Controller phase wire current is equal or greater than the protection value.	1. 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. 2. Check whether anything stuck the rear wheel.	If the solution cannot solve the error, please send the bike to the nearest dealer to inspect and repair.
33	E34	00400	Controller busbar over current error.	Controller busbar current is equal or greater than the protection value.	1. 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. 2. Check whether anything stuck the rear wheel.	If the solution cannot solve the error, please send the bike to the nearest dealer to inspect and repair.
34	E35	00500	Controller MOS error.	Controller MOS welding loose or MOS is broken.	Replace the controller assy.	
35	E36	00600	Tip-over sensor error.	Tip-over sensor got a poor contact, or tip-over sensor broken.	Turn off the bike, and stand the bike to be upright. Then, re-start the bike. The error will be eliminated.	If the solution cannot solve the error, please send the bike to the nearest dealer to inspect and repair.

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36	E37	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 throttle return to the proper position, still have the throttle error. Then, just replace a new throttle.	
37	E38	00800	Low battery protection error.	When the battery is low, the low battery protection will run automatically.	Charge the battery.	
38	E39	00900	Over voltage protection error	When the voltage of the battery is equal or greater than the protection value, 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 bike to the nearest dealer to inspect and repair.
39	E40	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 bike to the nearest dealer to inspect and repair.
40	E41	00B00	Motor phase wire failure error.	Motor phase wire loose or incorrect connection caused the error	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 bike to the nearest dealer to inspect and repair.
41	E42	00C00	Motor overheat error.	Long time peak power riding will cause the motor to be overheated, or motor inner temperature sensor got a poor contact, or motor inner temperature sensor to be 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.	
42	E43	00D00	Motor temperature sensor error.	Long time peak power riding will cause the motor to be overheated, or motor inner temperature sensor got a poor contact, or motor inner temperature sensor to be 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.	

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43	E44	00E00	Controller overheat error.	Long time peak power riding will cause the controller to be overheated	Stop riding until the controller return to the normal temperature.	If the solution cannot solve the error, please send the bike to the nearest dealer to inspect and repair.
44	E45	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 bike to the nearest dealer to inspect and repair.
45	E46	01000	Current sensor error.	Current sensor failure.	Please send the bike to the nearest dealer to inspect and repair.	
46	E47	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 bike to the nearest dealer to inspect and repair.
47	E48	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 value. Then, cause the error.	1. Turn off the bike, 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. 2. Choose the right road condition to ride the bike.	If the solution cannot solve the error, please send the bike to the nearest dealer to inspect and repair.
48	E49	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 bike to the nearest dealer to inspect and repair.