

# TALARIA TL2500 MX ERROR CODES & SOLUTIONS

I/N	Error Code	Failure	Possible Cause	Suggested Solution	Remarks
1	E01	Protection IC failure	The inner communication of the chip is disconnected	Restarting	If the error code still shows, send the motorcycle to the nearest dealer for service.
2	E02	Battery Cell disconnection	The cell is not firmly welded, resulting in dry joint or fracture of connecting piece and poor contact of data collecting wire.	Restarting	If the error code still shows, send the motorcycle to the nearest dealer for service.
3	E03	Unbalanced battery cell voltage	The battery cell voltage difference is more than 500mV will have the error code show on the dash.	Restarting	If the error code still shows, send the motorcycle to the nearest dealer for service.
4	E05	Storage error	Storage devices got failure.	Restarting	If the error code still shows, send the motorcycle to the nearest dealer for service.
5	E06	Clock error	Clock device got failure	Restarting	If the error code still shows, send the motorcycle to the nearest dealer for service.
6	E07	Discharge MOS error	Discharge circuit got failure	Restarting	If the error code still shows, send the motorcycle to the nearest dealer for service.
7	E08	Charging MOS error	Charging circuit got failure	Restarting	If the error code still shows, send the motorcycle to the nearest dealer for service.
8	E09	Overcharge error	1. Charging voltage is higher than single battery cell's over charge protection voltage 2. BMS misinformation.	Restarting	This error will not affect the motorcycle riding, but will have the charging unavailable. If the error code still shows, send the motorcycle to the nearest dealer for service.
9	E10	Level 1 over discharge	Over discharge caused low battery protection error	Charge the battery immediately.	
10	E11	Level 2 over discharge			
11	E12	Level1 over discharge current	Discharge current is greater than the level 1 overcurrent protection setting.	Stop the over current discharge or reduce the discharge current for 1 minute, the error will disappear automatically.	If the error code still shows, send the motorcycle to the nearest dealer for service.
12	E13	Level2 over discharge current	Discharge current is greater than the level 2 overcurrent protection setting.	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, send the motorcycle to the nearest dealer for service.
13	E14	Over charging current error	The charging current is greater than the protection setting.	Check whether the charger is the right stock charger to match the battery.	If error still show with the matched stock charger, send the motorcycle to the nearest dealer for service.
14	E15	Soft start failure	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 motorcycle according to this owner's manual.	
15	E16	Overtime pre-charge error	1. BMS fault. 2. Charger is damaged or does not match.	Replace a stock charger	If the error code still shows, send the motorcycle to the nearest dealer for service.
16	E17	MOS temperature sensor error	Caused by MOS temperature sensor failure.	Restarting	If the error code still shows, send the motorcycle to the nearest dealer for service.
17	E18	Battery cell temperature sensor error	Caused by battery cell temperature sensor failure.	Restarting	If the error code still shows, send the motorcycle to the nearest dealer for service.
18	E19	Battery discharging overtemperature	the battery's inner temperature is overheated when it's discharging.	Stop riding your motorcycle until the discharge overtemperature protection unlocked.	It's strongly suggested to follow this owner's manual to use your motorcycle.
19	E20	Battery charging overtemperature	The high battery cell temperature caused this error.	Stop charging until the charging overtemperature protection unlocked.	It's strongly suggested to follow this owner's manual to use your motorcycle.

20	E21	Battery discharging low temperature	When the battery is discharging, if the temperature is too low, the battery will carry out the low temperature protection function.	Stop riding your motorcycle until the low temperature protection unlocked.	It's strongly suggested to follow this owner's manual to use your motorcycle.
21	E22	Battery charging low temperature	When the battery is charging, if the temperature is too low, the battery will carry out the low temperature protection function.	Stop charging the battery until the low temperature protection unlocked.	It's strongly suggested to follow this owner's manual to use your motorcycle.
22	E23	Discharging MOS overtemperature	MOS overtemperature which is caused by battery discharging.	Stop riding your motorcycle until the overtemperature protection unlocked.	It's strongly suggested to follow this owner's manual to use your motorcycle.
23	E24	Charging MOS overtemperature	MOS overtemperature which is caused by battery charging.	Stop charging the battery until the overtemperature protection unlocked.	It's strongly suggested to follow this owner's manual to use your motorcycle.
24	E25	Soft-start circuit overtemperature	If the temperature is high when use the soft-start, will cause the discharging MOS not work, and lead the entire soft-start circuit to be overtemperature.	Stop riding your motorcycle until the overtemperature protection unlocked.	
25	E26	Storage error	It's caused by the faulty operation during the production.	Send your motorcycle to the nearest dealer to repair.	
26	E29	Level 3 over current error	Short circuit in the external circuit causes this error.	Inspect and eliminate the short circuit.	If the error code still shows, send the motorcycle to the nearest dealer for service.
27	E30	Level 4 over current error			
28	E31	Setting error	It's caused by the faulty operation during the production.	Send your motorcycle to the nearest dealer to repair.	
29	E33	Controller phase wire over current	Controller phase wire current is equal or greater than the protection setting.	1. Power off your motorcycle, 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 error code still shows, replace the magnetic encoder or send the motorcycle to the nearest dealer for service.
30	E34	Controller busbar over current error	Controller busbar current is equal or greater than the protection setting.	1. Power off your motorcycle, 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 error code still shows, replace the magnetic encoder or send the motorcycle to the nearest dealer for service.
31	E35	Controller MOS error	Controller MOS welding loose or MOS is broken.	Replace the controller or send the motorcycle to the nearest dealer for service.	
32	E36	Tip-over sensor error	1. The electric motorcycle tipped over. 2. Tip-over sensor got a poor contact, or tip-over sensor broken.	1. Power off your motorcycle, and straighten it. 2. Restart your motorcycle, and the fault is eliminated.	If the error code still shows, send the motorcycle to the nearest dealer for service.
33	E37	Throttle error	1. Throttle connection loose. 2. The throttle didn't snap back to the close position before start. 3. The throttle is broken.	1. Check the throttle connection is loose or broken. 2. Make sure the throttle snap back to the close position before start. 3. If still have the throttle error. Then, just replace a new throttle.	
34	E38	Low battery protection	When the battery is low, the low battery protection will run automatically.	Charge the battery immediately.	
35	E39	Over voltage protection	When the voltage of the battery is equal or greater than the protection setting, the over voltage protection will run automatically.	Please be sure to use Talaria's stock battery.	If the error code still shows, send the motorcycle to the nearest dealer for service.
36	E40	Magnetic encoder error	Magnetic encoder got a poor contact or it's broken.	Check whether the magnetic encoder got a poor contact or is broken? If yes, repair or replace it.	If the error code still shows, send the motorcycle to the nearest dealer for service.

37	E41	Motor phase wire error	Motor phase wire loose or incorrect connection caused the error.	Power off your motorcycle, 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 error code still shows, send the motorcycle to the nearest dealer for service.
38	E42	Motor overtemperature error	Long-time high-power output leads to motor overtemperature to cause the error. Or the temperature sensor got poor connection or damaged.	Stop riding your motorcycle after the overtemperature protection unlocked. Or check whether the magnetic encoder's connection loose. Or replace the magnetic encoder.	If the error code still shows, send the motorcycle to the nearest dealer for service.
39	E43	Motor temperature sensor error	Long-time high-power output leads to motor overtemperature to cause the error. Or the temperature sensor got poor connection or damaged.	Stop riding your motorcycle after the overtemperature protection unlocked. Or check whether the magnetic encoder's connection loose. Or replace the magnetic encoder.	If the error code still shows, send the motorcycle to the nearest dealer for service.
40	E44	Controller overtemperature error	Long-time high-power output leads to controller over temperature.	Stop riding your motorcycle after the overtemperature protection unlocked. If the error still shows, replace a new controller.	
41	E45	Controller temperature sensor error	Long-time high-power output leads to controller overtemperature to cause the error. Or the temperature sensor got poor connection or damaged.	Stop riding your motorcycle after the overtemperature protection unlocked. If the error still shows, replace a new controller.	
42	E46	Current sensor error	Current sensor failure causes the error.	Send the motorcycle to the nearest dealer for service.	
43	E47	Motor lack of phase	1. Didn't press the power button. 2. Motor phase wires (U/V/W) loose or incorrect connection.	1. Press the power button to restart your motorcycle. 2. Power off your motorcycle. 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 error code still shows, send the motorcycle to the nearest dealer for service.
44	E48	Motor locked-rotor protection error	If the rear wheel is stuck, and cannot rotate, or the motor, gearbox, brake, chain is stuck, will cause the discharge current load to be equal or greater than the protection setting. Then, cause the error.	1. Power off your motorcycle, put it on a stand, 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 ground to ride your motorcycle.	If the error code still shows, send the motorcycle to the nearest dealer for service.
45	E49	Communication error	CAN communication wire loose, fall off or hardware failure.	Power off your motorcycle, check all the CAN connections on your motorcycle to see whether there's the loose or damages (Dash connection, controller connection, battery communication connection. These 3 positions have CAN connections). If there's the loose or damages, just repair them, and re-start your motorcycle, the error will be solved.	If the error code still shows, send the motorcycle to the nearest dealer for service.



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