

Error code class	Error Code	Error code description	Detailed Problem	Solution
Class B	00x40	RPM sensor RPM sensor is abnormal	Exceed the minimum rotational speed , has not still detected and examined to the rotational speed signal	Check and/or replace the RPM sensor
	00x41	Speed is abnormal (unreached setting speed)	The rotational speed is adjusted over the rotational speed range that can adjust	Change lower control board
	00x42	Speed is abnormal (over setting speed)	The rotational speed is adjusted over the rotational speed range that can adjust	Change lower control board
Class C	00xA0	Speed calibration failure	It is still unable to finish correcting the procedure automatically in stipulated time establishes	Change lower control board
Class B	01x40	Incline motor is abnormal	The Incline motor after starting some time, there is not any change in VR end	Whether it is unusual to check the incline motor VR
	01x41	Motor temperature is abnormal	The working temperature of the motor exceeds the range of establishing	Whether it is unusual to check the motor
	01x42	Incline motor is not synchronization	Control the motor VR the bad in moving amount last range	Whether it is unusual to check the incline motor VR
	01xA0	Incline plug detection failure	Detecting and examining VR end while starting the machine, Whether rational voltage exists	Whether it is unusual to check ihe Incline motor VR or has not connected it well

Class C	01xA1	Incline calibration failure	Fail to finish going up and down and correcting the procedure automatically in setting for time	Whether it is unusual to check the incline motor
	01xA2	ADC reversion	VR The changing value of VR is different from establishing the direction	Check and the incline motor VR line to connect inside out
	01xA3	Motor plug detection failure	The terminal of the motor keeps in touch badly	Connect again after changing the terminal of the motor
	01xA4	U line detection failure	The U phase terminal of the motor keeps in touch badly	Connect again after changing the U phase terminal of the motor
	01xA5	V line detection failure	The V phase terminal of the motor keeps in touch badly	Connect again after changing the V phase terminal of the motor
	01xA6	W line detection failure	The W phase terminal of the motor keeps in touch badly	Connect again after changing the W phase terminal of the motor
	01xA7	Incline motor over current	the Incline motor movement current exceed the normal movement current	Whether it is unusual to check the incline motor
	01xA8	Motor temperature is abnormal	1. The working temperature of the motor lasts several mintues to exceed the range of establighsin or it is a lo tof exceed normal working temperature. 2. The load of motor or the current limit of the parameter is too high.	The board runs to accumulate the wax to remove
	02x00	Reserve		
Class A	02x01	LCB battery voltage is low	The voltage of the battery is lower than the lowest very working voltage	Charge or change the new battery

Class B	02x40	AC voltage is low	It is lower than the lowest very working voltage to input the voltage	Input the voltage to heighten or check if it is too low
	02x41	DC bus voltage is low	It is lower than the lowest very working voltage to input the voltage	Input the voltage to heighten or check if it is too low
	02x42	LCB temperature is abnormal	The board runs to accumulate the wax or load is overweight	The board runs to accumulate the wax to remove
	02x43	DC bus warm-start circuit is abnormal	It is the trouble to start the circuit slowly	Change lower control board
	02x44	ECB sensor is abnormal	ECB Sensor is damage	Change ECB Sensor
	02x45	ECB homing failure	In setting for time, it is unable to detect and examine to ECB basic point signal	Whether it is unusual to check ECB
	02x46	ECB over current	ECB work current exceeds the normal work current	Whether it is unusual to check ECB
	02xA0	Speed sensor is abnormal	1. No connection. 2. The speed CD detecting device damage.	1. Check connections. 2. Change the speed sensor.
	02xA1	AC voltage is high	It is higher than the highest very working voltage to input the voltage	Input the voltage to turn down or check power voltage
	02xA2	DC bus over voltage	It is higher than the highest very working voltage to input the voltage	Input the voltage to turn down or check power voltage

Class C

02xA3	DC bus limited voltage	It is higher than the highest very working voltage to input the voltage	Input the voltage to turn down or check power voltage
02xA4	U phase is abnormal	U phase current detecting device circuit trouble	Change low control board
02xA5	V phase is abnormal	V phase current detecting device circuit trouble	Change low control board
02xA6	W phase is abnormal	W phase current detecting device circuit trouble	Change low control board
02xA7	Over phase current	Phase current detecting device circuit trouble	Change low control board
02xA6	Motor driver is abnormal	Load is overweight or the motor card died	Change low control board
02xA7	Motor over current	1. Crease time is too short. 2. Load is overweight or the motor card died.	time setting. 2. Load lightens and trouble clearing.
02xA8	Motor limited current	Load is overweight or the motor card died	Load lightens and trouble clearing
02xA9	LCB type setting failure	Low controller connects the way and digit communication can not establish the samly. But establish into Ramp such as Swing	Setting again
02xAA	Motor out of control	The component of drive of the motor is damaged	
02xAB	LCB temperature is abnormal	The working temperature of low controller lasts several minutes to exceed the range of establishing or it is a lot of exceed normal working temperature	The board runs to accumulate the wax to remove

	03x00	Reserve		
Class A	03x01	System record is abnormal	The systematic parameter is unable to be written into memory	Power on again. To replace the UCB, if the error is still happening.
	03x02	UCB battery voltage is low	It is the lowest that the voltage of the battery is lower than can accept the working voltage	Charge or change the new battery
	03x03	LCB voltage is low	It is lower than the lowest very safe working voltage to input the voltage	Change low control board
Class B	03x40	Keypad is abnormal	There are buttons that are pushed while starting the machine	To replace the keypad, if nobody presses the keypad during the system power on.
	03x41	Fan over current	The fan is unable to rotate or dust too much	Change fan and change it if need
	03x43	LCB voltage is high	It is higher than the highest very safe working voltage to input the voltage	Change lower control board
	04x00	Reserve		
Class B	04x40	Communication time out	The time difference between Byte and Byte of digit communication command deliver is greater than 200ms	To check the communication cable. No short, open and plugging is ok. The environment noise has influence

Class B	04x41	Unavailable command	Digit communication command form to be normal, but this controller does not support this to order the function	To check the UCB setting. Ex: On the bike, but UCB setting is Incline EP.
Class C	04xA0	Communication failure	Have not received any correct digit communication command the package in over three seconds	No shorts in the wires, or bad connections. If connections are good, replace the UCB or LCB, otherwise replace damaged wire/console cable.