			ŧ	故障代码表 (CURTIS系统, 1212E)		
序号	手柄故障代码	故障名称	故障触发逻辑	可能的原因	解决措施	故障来源
1	11-1	Severe Undervoltage 产重欠压	The undervoltage cutback is 0 for 64 ms with the main relay on. 主接触器吸合后,电池电压削减为0,电池电压低于9.6V 报故障;	Defective controller 控制膨胀环 Defective battery (Short-circuit pin 1.2 of the battery and measure the battery voltage) 电池损坏(烙玻电池1.2号刺,量电池电压)	Replace the controller 更换控制器 Replace the battery 更换电池	1212E控制器
2	12-1	Undervoltage Cutback 欠压射減	The undervoltage cutback is less than 100% with the main relay on. 主接触器吸合后,电池电压解减为小于100%,电池电压 低于16.8V抵抗算:	Low battery (Short-circuit pin 1.2 of the battery and measure the battery voltage) 电池矩氏 纪晓姆比 1.2号编 · 鲁电池电压) The battery connector has poor contact 电池接插件接触不良 (电池端、结束端) The battery connector bracket is loose 电池接插件接触不良 化	Replace the battery 更换电池 Replace the main power wiring harness 更换主电源线束 Fix the battery connector 固定电池接插件	1212E控制器
3	13-1	Severe Overvoltage 严重过电压	The keyswitch voltage is 10V above the allowed maximum voltage. 控制据设定30V,当电压大于46V指故障; The keyswitch voltage is 4V above the allowed maximum voltage. 是影響设定30V,当电压大于40V指故障;	Incorrect battery voltage 电池电压库(指矩电池 1.2号脚,重电池电压) Main relay defective 经分据主接触器域向 Controller AD defective 经制度设计	Replace the battery 更換电池 Replace the controller 更終控制器	1212E控制器
5	14-1	Overvoltage Cutback 过压解减	The keyswitch voltage is greater than the user overvoltage (125%) threshold for 64 ms during the regen state or when the motor speed is greater than 27. 将车返去下吸,KSI电压大于30V,持续64ms; 放去电机存换运动,KSI电压大于30V,持续64ms;	Incorrect battery voltage 电池电压高(松胶电池1.2号脚,量电池电压) Defective main relay 经粉版主理电路范峰	Replace the battery 更級电池 Replace the controller 更終控制器	1212E控制器
6	15-1	Controller Severe Undertemp 控制器严重温度不足	The controller temperature is less than or equal to ~40°C for 48 ms. 控制器温度≤ 40°C,持续48ms。	Temperature sensor defective 温度传感热效率 Low ambient temperature 环境温度低	Replace the controller 更换控制器	1212E控制器
7	16-1	Controller Overtemp Cutback 控制器过热解减	The controller temperature is greater than or equal to the temperature cutback point (80-95°C) for 48 ms. 控制器温度大子或等于温度截止点 (80-95°C) 48 ms	Temperature sensor defective 國東特高鐵故障 After long-term operation with high current, the controller overheats. The vehicle is left to cool down and then restored. **Selfit is left to cool down and then restored. **Selfit is left to cool down if the vehicle's working condition is normal, the operating current of the vehicle needs to be tested. If the current is abnormal, the drive wheels need to be replaced. 君车解了及正常,需要测试车解创运行电流、电流异常需要 抽版动动论:	Replace the controller 更纯控制器 Replace the drive wheel 更换驱动轮	1212E控制器
8	17-1	Controller Severe Overtemp 控制器严重过热	The controller temperature > 95°C 控制器直度 > 95°C	Temperature sensor defective 拉制器温度传感感故障 When the vehicle is in operation, if the temperature rise exceeds 95°C, over-temperature protection is provided. The vehicle is left to cool down and then restored. \$4.100	Replace the controller 更换控制器 Replace the drive wheel 更換驱动轮	12126控制器
9	21-2	Throttle Fault 加速器故障	The HPD Sequencing fault is active for 10s. 操作顺序故障(22-1)超过10S	Incorrect throttle operation (Trigger the accelerator first and then the interlock) 加速器操作不正确(先触发加速器再触发互锁) Throttle defective 加速器问题	Replace the Throttle 更换加速器	1212E控制器
13	22-1	HPD Sequencing HPD操作顺乎故障	At least 10% throttle is applied for 48 ms before the interlock state changes to on. 在互锁开关粒发卵,加速器输出超过10%且保持时间大于 48ms;	lincorrect throttle operation (Trigger the accelerator first and then the interlock) 加速踢揚作不正确(凭触发加速器再触发互锁)Throttle defective 加速踢问题	Replace the Throttle 更换加速器	1212E控制器
14	23-1	Main Relay Welded 主继电器黏连	The Capacitor Voltage is greater than (Keyswitch Voltage - 0.7V), and the capacitor bank voltage drop is less than 15V after the Main Welded PWM is applied to the motor for 96 ms. PWM休宵开半回的6 mg. 电容电压大于(KSI电压-0.7V),电容组压路小于1.5V。	Main relay defective 主继电器故障	Replace the controller 更换控制器	1212E控制器
15	24-1	Main Relay Did Not Close 主继电器为断开	The difference between the keyswitch voltage and capacitor voltage is greater than the DNC Voltage Threshold for 96 ms when the relay is engaged.	Main relay defective 主趣唱戲故障 Incorrect Pul In Voltage	Replace the controller 更换控制器	1212E控制器
16	24-2	Source of the second se	The difference between the keyswitch voltage and capacitor voltage is greater than the DNC Voltage Threshold for 96 ms after the relay is on.	MCDMEET FOILING VOILAGE 輸入电圧不正确	of the stand	
17	25-1		Byte 6, bits 0, of RPDO2 indicates that the BMS has an active fault. Over Voltage Byte 6, bits 1, of RPDO2 indicates that the BMS			
18	25-2	BMS Fault 锂电池故障	has an active fault. Byte 6, bits 2, of RPDO2 indicates that the BMS	RPDO2 indicates a fault in the BMS RPDO2表示BMS故障		1212E控制器
19	25-3		has an active fault. Byte 6, bits 3, of RPDO2 indicates that the BMS			
21	25-4	Precharge Failed 预充失败	has an active fault. The Capacitor Voltage is less than 65% of the Keyswitch Voltage for 500 ms after the Keyswitch Voltage is greater than 60% of the nominal voltage at startup. 启动的,Keyswitch Voltage大干粉和压的60%后,Keyswitch Voltage大干粉和压的60%后,Keyswitch Voltage并接500ms,检测ksi > 14.4V开始完电,电音电压小于15.6V;	Precharge PTC defective 類形电PTC故障	Replace the controller 型块控制器	1212E控制器
22	26-2		The Capacitor Voltage is less than (Keyswitch Voltage - 4V) before the relay is engaged. 继电器闭合前电容电压小于(KSI电压- 4V)。			

23	31-1	Stall Detected 电机堵转	The armature current is greater than 90% of the current limit and the motor speed is less than 10% of the maximum speed for the Stall Fault Time. 电流大于概流的90%,电机转速小于最大转速的10%,持续超过Stall Fault Time.	Defective controller 控制器故障 Defective motor 电机故障	Replace the controller 更换控制器 Replace the drive wheel 更换驱动轮	1212E控制
24	32-1		The capacitor voltage drop is greater than 1V after 10% PWM was applied to the motor for 500 µs at startup. 启动电机给了超过10%PWM, 且超过500us, 且电容电压改善1V.	The motor is shorted 母机短路 The internal resistance of the motor is too small 电机力测过小	Replace the drive wheel 更换驱动轮	
25	32-2		The motor is shorted. 电机短路	The motor is shorted 电机短路	Replace the drive wheel 更换驱动轮	
26	32-3	Motor Short 电机短路	The motor was open when the system was powered on. 当系统通电时,电机开路。	The motor is open 电机开路 The terminals of the M1 / M2 wiring harnesses have poor contact M1\M2线束端子接触不良 The M1 / M2 wiring harnesses are broken M1\M2线束衝裂	Replace the drive wheel 更换驱动论 Replace the M1/M2 wiring harnesses 更换M1/M2线束	1212E控
27	32-4		The voltage on motor phase M1 is less than 3.5V after the main relay has been engaged. 主接触關吸合,电机M电压低于3.5V	The motor is open 根机开路 Excessive internal resistance of the motor, motor problem 根机内阻过大,电机问题	Replace the drive wheel 更换驱动轮 Replace the M1/M2 wiring harnesses 更换M1/M2线束	
28	33-1	Battery Disconnect Fault 电池断开故障	The battery is disconnected. 电池电压竞落为0V The battery voltage drops below 5V	The battery suddenly dropped low. It's a battery problem 电池解间低压,电池问题 The battery connector has poor contact 电池接通杆接触不良 (电池端,线束端) The battery connector bracket is loose	Replace the battery 更换电池 Replace the main power wiring harness 更换主电源线束 Fix the battery connector	1212E控
30	34-1	EM brake failed To Set EM 創年设置失败	电池电压玻璃、低于SV The motor speed is greater than the Fault Motor Ress parameter for 80 ms when the EM brake is engaged. 解问题未对形。	电池线插件图定架松动电池线插件接触不良 Controller problem 投制器问题 EM brake problem 制力器问题	固定电池接插件 Replace the controller 更换控制器 Replace the EM brake 更换制动器	1212E控
31	42-1	Interlock SRO Fault 互锁SRO故障	80ms; The interlock input is on when the keyswitch is turned on and the Interlock Type parameter is not set to KSI Interlock. 国锁开关上电解闭合	Incorrect operation sequence 操作顺序不正确 Controller defective 经制度起源 The interlock switch triggers the limit block before being powered on	Replace the controller 更换控制器 The interlock switch is fixed in place 互锁开关固定到位	1212E控
32	43-1	Low BDI 低电量	The BDI percentage is less than the Low BDI Threshold parameter value. BDI低于15%接低电量故障	Low battery 电池电量低	Charge the battery in time. 电池及时充电	1212E控
33	44-1		The motor speed is greater than 120% of the allowed maximum speed for more than 500 ms. 电机电压配过27V+88%*120%=28.5V,持续500ms	Speed is out of allowed range 國際運動社分件范围 Motor problem 电影问题	Under normal working conditions, if no faults occur, no handling is required. IFMLISF PCHUR成婚。可不处理: Replace the drive wheel 理療報四條	12126控制
34	44-2		The motor speed is greater than the ramped speed curve for more than 80 ms while the vehicle is decelerating. 年朝制动城连,电机速度大于城连曲线撤过80ms			
35	44-3	Speed Supervision 速度监控	The motor speed is greater than the ramped speed curve for more than 80 ms during interlock braking. 车辆互锁制动,电机速度大于减速曲线搬过80ms			
36	44-4		The motor speed is greater than the ramped speed curve for more than 80 ms while the vehicle is decelerating during emergency reverse. 车辆紧急制动,电机速度大于减速曲线超过80ms			
37	44-5		The motor speed is greater than the following for more than 2s: Ramped throttle command percentage* maximum speed + 20% of maximum Speed 加速調磁性核化年限速度不迟起;			
38	45-1	Lift Timeout 원구커웨딩	The lift operating time exceeds the time specified with the Lift Time Limit parameter when the following parameter values are specified: - Lift Timeout Enable specifies 1 (On) - Lift Time Limit is set to a non-zero value. 起于进行到间间显示于视频化进行影响影响影响; - 把证人下影频能 - Lift Timeout Enable影迎 1 (On)	The lift operating time expired but the lift is still active. 题升运行时间已过,但仍在起升运行。	Press the down button and the fault disappears 按下降按钮,故障调失	1212E控
39	51-1	Over Current Fault 过流如單	The armature current is greater than 120% of the current limit for 160 ms. 电流大子电流限制的120%,持续160ms。	Controller defective 控制器故障 Current sensor defective 电延纬等据故障 If the vehicle's working condition is normal, the operating current of the vehicle needs to be tested. If the current is abnormal, the drive wheels need to be replaced. 若年與工人正常,需要测试年瞬的运行电流,电流异常需要 接笔功能:	Replace the controller 聖餘空前總 Replace the drive wheel 里換驱动枪	12126担
40	52-1	Current Sense Fault 电流检测故障	The zero current point is out of range for 160 ms (the range is 812±32). 零电流点超出量程160ms(量程812±32)。	Current sampling circuit defective 电流采样电路故障	Replace the controller 更换控制器	1212E担
41	52-2		The AD data for the current is out of the allowed range. 电流检测数据超出允许范围。		Postor the state of	
42	53-1		EM Brake driver is open or shorted. 制心器线圈开路或短路	Brake failure 制力器故障 The brake drive circuit is faulty 制力器线路故障	Replace the main control wiring harness 更换主控制线束 Replace the EM Brake 更换制动器 Replace the main control	
43	53-2		The lift driver is open or shorted. 起升接触器线圈开路或短路	Fault of the lifting contactor 起升接触器故障 Fault of the lifting contactor circuit 起升接触器线路故障	wiring harness 更换主控制线束 Replace the lift driver 更换起升接触器	

				Fault of the lower driver	Replace the main control	
44	53-3	Driver Fault	The lower driver is open or shorted. 下降电磁阀线圈开路或短路	下降电磁阀故障 Fault of the lower driver circuit 下降电磁阀线路故障	wiring harness 更换主控制线束 Replace the lower driver 更换下降电磁阀	
46	53-5	驱动故障	The lift driver is shorted when lift driver is off. 设给起升信号,检测驱动口又悬空又没有低压,外部短路 *	Fault of the lifting contactor circuit 起升接触器线路故障	Replace the main control wiring harness 更换主控制线束	1212E控制器
47	53-6		The lower driver is shorted when lower driver is off. 没给下降信号,检测驱动口又悬空又没有低压,外部短路。	Fault of the lower driver circuit 下降电磁阀线路故障	Replace the main control wiring harness 更换主控制线束	
48	53-7		Main relay feedback is high when the relay is on for 100 ms. 主接触器闭合超过100ms还检测到高电平(检测线圈)	Controller defective 控制器故障	Replace the controller 更换控制器	
49	53-8		Main relay feedback is low when the relay is off for 100 ms. 主接触器闭合超过100ms还检测到低电平(检测线圈)	Controller defective 控制器故障	Replace the controller 更换控制器	
52	54-3		The controller did not receive CAN lift or CAN lower PDO messages within 2s after startup.			1212E控制器
55	55-1		The emergency reverse switch is active when the keyswitch is turned on. 黑急反向开关上电崩闭合	The emergency reverse switch is faulty 素色反例开关故障 The wiring harmess of the emergency reverse switch handle part is open-circuited 素色反例开关并服务效集开局 The TA7 wiring harness of the entire vehicle is open. 歷年TA7-线来开路	Replace the emergency reverse switch wiring harness 理檢案急反向开关线束 Replace the upper cover of the throttle 更换手柄上盖 Check the TA7- wiring harnesses 检查TA7-线束	
56	55-2	EMR SRO Fault 紧急反向操作顺序故障	The emergency reverse switch is active when the interlock input is turned on and the EMR SRO Type parameter specifies a value other than SRO Off. SRO ON interlock, Emble 250 (1996) Emble 250 (1996) Emble 250 (1996) Emb	Incorrect operation sequence 操作顺序不正确	First, trigger the interlock, and then trigger the emergency reverse when walking 先触发互锁,行走时触发紧急反 向	1212E控制器
57	55-3		The absolute value of the throttle demand is greater than 10% after an emergency reverse operation and the EMR SRO Type parameter specifies a value other than SRO Off 黑兔反向腓作后,加速膨大于10%,互锁触发情况下;加速膨慢位旋响消失;	After an emergency reverse operation, if the accelerator exceed 10%, a fault is reported 累急反向操作后,加速避大于10%, 报故障	The accelerator reset fault disappeared 加速器复位故障消失	
58	55-4		Emergency reverse is active when throttle in the forward direction is applied and the EMR SRO Type parameter specifies SRO on Interlock and Throttle.			
59	56-2		The creep input is on but the interlock state has been off for 40 ms.			
60	56-3	Creep SRO Fault Creep SRO 故障	The interlock state is on for 40 ms during creep mode. 直立行走模式下,互锁触发超过40ms	Incorrect operation sequence Cost 不正确的操作顺序	The interlock reset fault disappeared 互锁复位故障消失	1212E控制器
61	56-4		The controller cannot abort the creep brake state after the Interlock Brake Timeout expires.			
67	61-1	PDO Timeout PDO 通讯翻时	During the operational NMT state, RPDO1 did not receive a message before the RPDO1 Event Time expired. <u>國过200ms设有接收到22C地址的报文</u>	throttle defective 手概故障 CANbus is overloaded can总线过载	Replace the throttle 更换手柄 Check the TA1- and TA2- wiring harnesses 检查TA1-、TA2-线束	1212E控制器
69	61-5		During the operational NMT state, RPDO2 did not receive a message from the node specified with BMS Node ID before the BMS PDO Timeout expired. 超过5000ms没有接收到2FD地址的报文	Battery defective 电池故障 CANbus is overloaded can总线过载	Replace the battery 更换电池 Check the TA1- and TA2- wiring harnesses 检查TA1-、TA2-线束	
71	71-1		The motor voltage is out of range for 64 ms. The belly button check is enabled and			
72	71-3	Hardware Fault	theemergency reverse NO or NC input's voltage is less than 1.5V for 100 ms.	Controller defective	Replace the controller	1212E控制器
73	71-4	硬件故障	UID encryption failed or the microprocessors are not in productive mode. The CAN programming device's OEM code	控制器故障	更换控制器	
75	71-6		differs from the hardware's OEM code. Handshake with the Curtis 3150R gauge failed.			
76	72-1		Unmatched supervisor firmware. 主从芯片不匹配,软件版本问题不匹配			
77	72-2 72-3	Software Fault 软件缺陷	Test mode was exited. 謝試模式: The Node Reset command is received when the motor speed is greater than 1,000 or greater than 1,116 * Drive Current Limit). 與我提出行法: **PRIMISERS** /*PRIMISER** (xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Controller defective 控制器故障	Replace the controller 更换控制器	1212E控制器
84	82-1		或者8100 A parameter marked as [PCF] in the Programming Menu Parameters chapter was set but the keyswitch has not been cycled. 参数表中标明[PCF]的参数、修改后会出现故障	Normal phenomenon 正常现象	重新上电故障消失 The fault disappeared when the power was restored	
85	82-2		The Steering Input Type parameter specifies an analog input but the Throttle Type parameter does not specify a CAN throttle. 只有一路傳統量,只能用于加速器或转弯;			
86	82-3		Two or more flexible switch inputs are assigned to the same function. 两个输入类型选了同一个功能	Inputs Switch I Function Switch 2 Function Switch 3 Function Switch 3 Function Switch 4 Function Switch 5 Function Two or more input switches select the same function 两个或多个输入开关选择了同一个功能	Set according to the factory parameters 按照出厂参数设定	

87	82-4 82-5	Parameter Fault 参数故障	- The Steering Angle 1 parameter is greater than or equal to Steering Angle 2. The Steering Angle 1 of Steering Angle 2 parameter is greater than Steering Angle angle 1 or Steering Angle 2 parameter is greater than Steering Angle Max. The Speed mode 5 's fixed Mas Speed parameter is less than or equal to Prof Man Speed. - Speed Limit FIPO speeds. - Speed Limit FIPO speed. - The Reverse Deadhand parameter is greater than Forward Max. - Limit FIPO speeds. - Limit FIPO speeds. - The Reverse Deadhand parameter is greater than Reverse Max. - Limit FIPO speed. - Limit FIPO speeds. - The Reverse Deadhand parameter is greater than Reverse Max. - Limit FIPO speeds. - Limit FIPO speed. - The Reverse Deadhand parameter is greater. - The EMR Input Type parameter specifies NC Switch Input but the emergency reverse NC function is not assigned to a filebole witch input. - The Steering Input Type parameter specifies NC Switch Input but the steering function is not assigned to a filebole witch input. - The Steering Input Type parameter specifies NC Switch Input but the steering function is not assigned to a filebole witch input.	Incorrect parameter settings 参数设置不正确 Phe type of switch signal for setting functional parameters, but the input switch is not defined 功能参数设定的开关信号类型,但输入开大设有定义	Set according to the factory parameters 接觸出厂参数设定 Set according to the factory parameters tasking to the factory parameters the factory parameters tasking	1212日2初間
89	82-6		The Pot Hi Switch Function parameter specifies a value other than Pot Hi Input but the Throttle Type parameter specifies a 3-wire pot throttle.			
91	83-2		Write FRAM failed. 存储器写入故障			
92	83-3	NV Failure	作的商马八政庫 Restore parameters failed during flashing. 類程序时,复位参数默认值失敗	FRAM operation failed FRAM 操作失败	Replace the controller 更换控制器	1212E控制器
93	83-4	存储器故障	Saving the brownout flag failed. 掉电不能保存参数	The external power supply is unstable 外部电源不稳定	Replace the wiring harness 更换主控制线束	
94	83-5		野中で作的を対する。 Block number is out of range.			
		SUPERVISOR_FIFTEEN_V_SUPPLY_FAI	存储或者读取速度超范围 The controller failed to supply power from the chip			
97	84-2	LURE SUPERVISOR_HARDWARE_FAULT	控制器从芯片供电故障 The controller has a hardware failure from the chip			
99	84-11	PRIMARY_INIT_CAN_OBJ	控制器从芯片硬件故障			
100	84-12	PRIMARY_INIT_ILLEGAL_CAN_SIZE				
101	84-13	PRIMARY_INIT_CAN_SIZE				
102	84-14	PRIMARY_INIT_TIMEOUT				
103	84-15	PRIMARY_WRITE_OJECT				
104	84-16 84-17	PRIMARY_WRITE_SIZE PRIMARY_WRITE_TIMEOUT				
105	84-17	PRIMARY_WRITE_CRC	The main chip of the controller is faulty 控制器主芯片故障			
107	84-19	PRIMARY_WRITE_ACK				
108	84-20	PRIMARY_TASK_QUEUE_FAIL		Controller defective 控制器故障	Replace the controller 更换控制器	
109	84-21	PRIMARY_FAULT_ACTIONS				
110	84-22	PRIMARY_ALU_FAIL				
111	84-23	PRIMARY_MESSAGE_WATCHDOG				
112	84-24 84-25	PRIMARY_FAULT_ACK SUPERVISOR INIT CAN OBJ				
114	84-26	SUPERVISOR_INIT_ILLEGAL_CAN_SIZE				
115	84-27	SUPERVISOR_INIT_CAN_SIZE				
116 117	84-28 84-29	SUPERVISOR_INIT_TIMEOUT SUPERVISOR_WRITE_OJECT	The controller malfunctioned from the chip			
118 119	84-30 84-31	SUPERVISOR WRITE SIZE SUPERVISOR TASK QUEUE FAIL	控制器从芯片故障			
120	84-32	SUPERVISOR_ALU_FAIL				
121	84-33	SUPERVISOR_MESSAGE_WATCHDOG				
122	84-34	SUPERVISOR_KSI	The controller malfunctioned from chip _KSI 控制器从芯片_KSI故障	Controller defective 控制器故障 KSI端口挖舵不良	Replace the controller 更换控制器 Check the terminals of the wiring harness TB12- 检查线束TB12-的线束及端子	
123	84-35	SUPERVISOR_INPUT_1_SWITCH	The controller's input switch 1 from the chip is faulty 控制器从芯片输入开关1故障	Controller defective 控制器故障	Replace the controller 更换控制器	
124	84-36	supervisor_input_2_switch	The controller's input switch 2 from the chip is faulty 控制個从芯片输入开关2故障	Controller defective 控制器故障 The emergency reverse switch signal is unstable 紧急反向开关信号不稳定	Replace the controller 更独控制器 Check the terminals of the wiring harness TA7- 检查线率TA7-的线率及端子 Reptage the emergency reverse switch 更换紧急反向开关	1212E控制器
125	84-37	SUPERVISOR_INPUT_3_SWITCH	The controller's input switch 3 from the chip is faulty 控制器从芯片输入开关3故障	Controller defective 控制器故障 The signal of the BB Check switch is unstable BB Check 开关信号不稳定	Replace the controller 更换控制器 Check the terminals of the wiring harness TB2- 检查线束TB2-的线束及端子	
126	84-38	SUPERVISOR_INPUT_4_SWITCH	The controller's input switch 4 from the chip is faulty 控制器从芯片输入开关4故障	Controller defective 控制器成功 The signal of the turning deceleration switch is unstable 转弯减速开关信号不稳定	Replace the controller 更換控制器 Check the terminals of the wiring harness TB7- 检查线束TB7-的线束及端子 Replace the turn deceleration switch 更換转弯減速开关	
127	84-39	SUPERVISOR_INPUT_5_SWITCH	The controller's input switch 5 from the chip is faulty 控制器从芯片输入开关5故障	Controller defective 控制器故障	Replace the controller 更换控制器	
128	84-43	PRIMARY_INPUT_1_SWITCH	The input switch 1 of the main chip of the controller is faulty 控制器主芯片输入开关1故障	Controller defective 控制器故障	Replace the controller 更换控制器	

129	84-44	PRIMARY_INPUT_2_SWITCH	The input switch 2 of the main chip of the controller is fauly, 控制施士芯片输入开关之故障	Controller defective 控制器成態 The emergency reverse switch signal is unstable 紧急反向开关信号不稳定	Replace the controller 更换控制器 Check the terminals of the wiring harness TA7- 检查线束TA7-的线束及端子 Replace the emergency reverse switch 更换紧急反向开关	
130	84-45	PRIMARY_INPUT_3_SWITCH	The input switch 3 of the main chip of the controller is fauty 控制器主芯片输入开关3效则	Controller defective 控制器故障 The signal of the BB Check switch is unstable BB Check 开关信号不稳定	Replace the controller 更换控制器 Check the terminals of the wiring harness TB2- 检查线束TB2-的线束及端子	
131	84-46	PRIMARY_INPUT_4_SWITCH	The input switch 4 of the main chip of the controller is faulty 短期國主芯片输入开关4故障	Controller defective 控制器故障 The signal of the turning deceleration switch is unstable 转弯或进开关信号不稳定	Replace the controller 更纯定制器 Check the terminals of the wiring harmes TB7- 检查线束TB7-的线束及端子 Replace the turn deceleration switch 更换转弯减速开关	
132	84-47	PRIMARY_INPUT_5_SWITCH	The input switch 5 of the main chip of the controller is faulty 控制器主芯片输入开关5故障	Controller defective 控制器故障	Replace the controller 更换控制器	
133	80	Mode fault 龟速开关故障	The slow button on the handle is faulty. The slow button was detected to be closed before startup.手柄龟速按钮故障,龟速按钮在开机前就检测到闭合。	Turtle speed switch adhesion 龟速开关黏连	Replace the upper cover of the throttle 更换手柄上盖	Handle
134	81	Lift fault 起升开关故障	The up button is faulty. The up button was detected to be pressed before the machine was turned on. 上升按钮故障,上升按钮在开机前就检测则被按下。	The lifting switch is adhered 起升开关黏连	Replace the upper cover of the throttle 更换手柄上盖	handle
135	82	Lower fault 下降开关故障	The down button is faulty. It was detected to be pressed before the device was turned on. 下降按钮故障,下降按钮在开机前就检测到被按下。	The descent switch is adhered 下降开关黏连	Replace the upper cover of the throttle 更换手柄上盖	handle
136	83	BMS Communication Outage 锂电池递讯工作	BMS Communication Outage 锂电池通讯工作	國电验的於其除 The BMS of the lithium battery is damaged 國电池到手柄的运讯线斯了 The communication line from the lithium battery to the handle has broken 手柄的运讯模块其除 The communication module of the handle is damaged	Replace the battery 更换电池 Check the TA1- and TA2- wiring harnesses 检查TA1-、TA2-线束	handle
137	84	throttle_FAULT 加速器故障	Improper sequence of throttle input. 输入密码前,加速器不在中位,需要复位加速器才能解除 该故障。	Throttle defective 加速器故障	Replace the Throttle 更换加速器	handle
138	85	Controller Communication Outage 控制器通讯故障	Controller communication loss 控制器選讯丟失	The communication line from the controller to the handle is lost 生物機能學所能能能是失 Poor contact of KSI KSI建能不履 Controller defective 经制度的	Check the TA1- and TA2- wiring harmesses 检查TA1-、TA2-线束 Check the TB8- wiring harmesses 检查TB8-线束 Replace the controller 更換控制器	handle
139	86	Lift system failure 连续起升故障	The output of the pumping station is running continuously. If the lifting system malfunctions, it might be due to a fault in the lifting microswitch原 站船出连续运行,起升系统故障,有可能是上升微动开关故障	Press the down button and the fault disappears 接下降接钮故障消失	/	handle
140	90	Over Voltage 电池过电压	The battery voltage is too high. 电池电压过离。	It might be that the charger is overcharged. 可能是中央通过空机。 There is a problem with the battery BMS. 电池的MSF任何题。 The feedback current charging caused by the vehicle going downhill for a long time. 车辆转台间下级,其他的反馈电流变电引起。	Replace the battery 更换电池 Replace the charger 更换充电器	battery
141	91	Over Discharge 电池过放电	Over Discharge 电池过放电	Long-term disuse of lithium batteries leads to low battery power. 禮电池长期不用,造成电池电量低。 Overuse. 使用过度。	Replace the battery 更换电池	battery
142	92	Communication Outage 电池与控制器通讯超时	Communication Outage 电池与控制器通讯超时	The battery communication module is faulty 电池通讯模块故障 It has been stored for a long time without being	Replace the battery 更换电池	battery
143	93	Under Voltage 电池电压低	Under Voltage 电池电压低	charged in time 长期存效,没有及时充电 The internal cells of the battery are damaged, resulting in the inability to charge electricity. 电池内部电芯损坏,造成无法充进电量。	Replace the battery 更换电池	battery
144	94	Over Current 电池过电流	Over Current 电池过电流	The device was not operating according to the program originally set by the controller 使用设施分析的原则,但是这个不是一个不是一个不是一个不是一个不是一个不是一个不是一个不是一个不是一个不是一	Replace the battery 更换电池	battery
145	95	Over Temperature Protect 电池严重过温	The battery temperature is seriously too high. The usage or transportation environment causes severe high temperatures inside the battery, 电池温度严重过离,使用或者运输环境,造成电池内部严重高温。	The battery temperature sensor is faulty 电池温度传感器故障	Replace the battery 更换电池	battery
146	96	Temperature Protect 电池温度过高	The battery temperature is too high, and the usage or transportation environment causes high temperatures inside the battery. 电池温度过滤,使用或者运输环境,造成电池内部高温。	The battery temperature sensor is faulty 电池温度传感器故障	Replace the battery 更换电池	battery
<u> </u>	·	l .	で心臓疾を利。医内部を自然制や死。温水や心的内部高温。	l .	1	