

PTE15N Handle fault code table (CURTIS system, 1212C)				
NO.	FAULT CODE	FAULT NAME	FAULT DESCRIPTION	FAULT SOURCE
1	1	PUMP_SRO_FAULT	Lift or lower switch pressed before Keyswitch is on.	Controller
2	2	SRO_FAULT	Improper sequence of direction and KSI and interlock inputs	Controller
3	3	HPD_FAULT	1. Improper sequence of throttle and interlock input. 2. Emergency Reverse operation has concluded, but the throttle has not been returned to neutral.	Controller
4	4	WIRING_FAULT	1. Misadjusted throttle. 2. Broken throttle pot or throttle mechanism.	Controller
5	5	THROTTLE_FAULT	1. Throttle input wire open or shorted. 2. Throttle pot defective.	Controller
6	6	PRECHARGE_FAULT	Controller defective.	Controller
7	7	MAIN_DRIVER_FAULT	1. Internal relay coil is broken. 2. Internal relay driver is open or shorted.	Controller
8	8	MAIN_RELAY_WELDED	1. Internal relay welded. 2. Controller defective.	Controller
9	9	MAIN_RELAY_DNC	1. Internal relay was commanded to be close and it did not. 2. Internal relay tips are oxidized.	Controller
10	10	BRAKE_OFF_FAULT	1. Electromagnetic brake driver open. 2. Electromagnetic brake coil shorted.	Controller
11	11	MOTOR_OVER_TEMPERA	The motor is in high temperature.	Controller
12	12	BATTERY_DISCONNECT	1. Battery not connected. 2. Poor connection to battery terminals.	Controller
13	13	BRAKE_ON_FAULT	1. Electromagnetic brake driver shorted. 2. Electromagnetic brake coil open.	Controller
14	14	CURRENT_SENSE_FAULT	Controller defective.	Controller
15	15	HARDWARE_FAULT	1. Motor voltage does not correspond to throttle request. 2. Controller failure.	Controller
16	16	SOFTWARE_FAULT	1. Software defective. 2. Controller defective.	Controller
17	17	PARAMETER_CHANGE_F	1. A parameter value is changed that requires a power cycle (such as Throttle Type, Interlock Type, Driver Type, EMR Type, Drive SRO Type, etc.)	Controller
18	18	MOTOR_SHORT	Motor short-circuit	Controller
19	19	MOTOR_OPEN	1. Motor wires open. 2. Faulty motor cable wiring. 3. Controller defective.	Controller
20	20	CONTROLLER_OVERCUR	Controller defective.	Controller
21	21	MOTOR_TEMP_HOT_CUT	1. Excessive load on vehicle. 2. Controller is operating in extreme high temperature.	Controller
22	22	CONTROLLER_OVERTEM	1. Excessive load on vehicle. 2. Controller is operating in high temperature.	Controller
23	23	CONTROLLER_UNDERTE	1. Controller is operating in extreme low temperature. 2. The temperature sensor is broken.	Controller
24	24	CONTROLLER_SEVERE_C	1. Excessive load on vehicle. 2. Controller is operating in high temperature.	Controller
25	25	OVERVOLTAGE_CUTBAC	1. Battery voltage > Overvoltage Cutback point. 2. Vehicle operating with charger attached. 3. Intermittent battery connection.	Controller
26	26	SEVERE_OVERVOLTAGE	1. Battery voltage >34.0V 2. Vehicle operating with charger attached. 3. Intermittent battery connection.	Controller
27	27	UNDERVOLTAGE_CUTBA	1. Battery voltage <16.8V 2. Bad connection at battery or controller.	Controller
28	28	SEVERE_UNDERVOLTAG	1. Battery voltage <13.8V	Controller
29	29	PARAMETER_FAULT	1. The CRC of the parameters does not calculate correctly. 2. Controller defective.	Controller
30	30	GAGE_PDO_TIMEOUT	Instrument communication timed out. The car can be ignored.	Controller
31	32	PDO_TIMEOUT	Communication between the 1212C and the CAN tiller has halted.	Controller
32	33	LIFT_DRIVER_FAULT	The driver 1 is open or shorted.	Controller
33	34	LOWER_DRIVER_FAULT	The driver 2 is open or shorted.	Controller
34	36	BMS_PDO_TIMEOUT	BMS communication timed out. 1. Lithium battery BMS is damaged. 2. The communication line between the lithium battery and the controller is broken	Controller
35	37	EMR_SEQUENCING_FAU	1. Perform the emergency reverse switch before powering on. 2. the emergency reverse internal micro switch is damaged. 3. The harness of the microswitch to the controller is broken.	Controller
36	39	COAST_SRO_FAULT	The upright walk switch operates before the key switch or the interlock switches from On to Off when the upright walk switch is closed	Controller
37	40	PUSH_SRO_FAULT	Perform the switch before powering on. This fault can be ignored.	Controller
38	80	Mode fault	turtle-speed button fault, it is pressed before turn on the truck	Handle
39	81	Lift fault	Lift button fault, it is pressed before turn on the truck	Handle
40	82	Lower fault	Lower button fault, it is pressed before turn on the truck	Handle
41	83	BMS Communication Outage	The communication of lithium battery timed out. 1. The BMS of lithium battery was damaged. 2. The communication line from the lithium battery to the handle is broken. 2. The communication module of the handle is damaged.	Handle
42	84	throttle_FAULT	Before entering the password, the accelerator is not in the middle position. You need to reset the accelerator to remove the fault.	Handle
43	85	controller Communication Outage	Controller lost communication	Handle
44	86	LOW_BDI	The battery discharge falls below the programmed threshold	Controller
45	87	Lift system failure	The output of the pump station is running continuously, and the lift system is faulty, which may be the fault of the lifting micro-switch.	Handle
46	90	Over Voltage	lithium battery over-voltage 1. charger over charge the battery 2. lithium battery has a BMS issue 3. truck is running downhill for a long time, causing feedback current	Lithium battery
47	91	Over Discharge	battery overdischarge 1. battery no use for a long time, low battery bdi 2. over used	Lithium battery
48	92	Communication Outage	lithium battery communication(with controller) overtime	Lithium battery
49	93	Under Voltage	The battery voltage is too low, 1. It has been stored for a long time and has not been charged in time. 2. The internal battery core is damaged, which makes it impossible to charge the battery.	Lithium battery
50	94	Over Current	Battery over-current, 1. The truck did not run according to the program originally set by the controller. 2. After the controller is replaced, the parameters do not match. 3. There are problems in current detection of lithium battery.	Lithium battery
51	95	Over Temperature Protect	Lithium battery internal seriously high temperature, caused by using or transportation environment	Lithium battery
52	96	Temperature Protect	Lithium battery internal high temperature, caused by using or transportation environment	Lithium battery

