**SPTE15X-PTE15X fault code**

（1）Truck can not drive（not including the situation when brake is locked, driving wheel still moves a little with the operation of accelerator）.

First check if control circuit is electrified (note: check BDI and controller indicator)

Electrified： fault code 2.2 (flash twice fastly, stop, flash twice fastly)

① check the output of tiller hall sensor, once electrified, move the accelerator.

Controller ports: J1-8- is 5V power supply voltage, J1-7- is negative pole. First make sure that the voltage between J1-8- and J1-7- is 5V. J1-6- is signal wire, when accelerator is in neutral position, it’s around 2.7V, fork direction is 4.5V, operator direction is 0.5V；(note：check if wiring, pins and connectors are correct)

② Belly button is activated by chance, then restart the key;

③ Proximity switch failed, or not well connected;

④ Check hall cable of driving wheel (if correctly connected, if pins, plugs and cables works well) ;

⑤ Controller failed or wrong version controller;

⑥ Check and replace the cable for 6 pins connector on the controller;

⑦ Replace driving wheel if above mentioned solutions not help;

Electrified：fault code: 3.3 (flash three times fastly, stop, flash three times fastly)

① Check carefully the cable for 6 pins connector on the controller, and fix if it’s not well or correct connected;

Correct connecion： 1口（blue cable）

2口（green cable）

 3口（yellow cable）

 4口（black cable）

 6口（red cable）

②Connection of UVW on driving wheel is wrong, replace driving if it’s damaged.

③Controller failed or wrong version controller;

Electrified：fault code 2.2 (flash twice slowly, stop, flash twice slowly)

Under/over voltage of controller

Electrified：fault code: 1.1 (flash once fastly, stop, flash once fastly)

Overcurrent of controller

Not electrified：

① Wire connection is wrong;

② Pins and plugs are not correct or well connected , even unqualified;

③ Controller fuse or main fuse is not assembled, or damaged; Spring inside the fuse box is not well assembled.

（2）Truck can not lift

① Lifting limit switch failed, or already works;

② Lifting switch doesn’t work (check with multimeter if switch is fine);

③ Lifting control circuit is not electrified, press lifting button, normally, there is voltage for 6-、8-, around 50V; or negative end (2-) of lifting contactor coil not connected to negative pole (check control wiring harness);

④ Connection of 3B+、4B+、PB-

（3）Truck works and main fuse is burned

Either lifting or moving can cause the fuse to be burned:

B+、B-、1B+、1B- wring connection.

Only lifting can cause main fuse to be burned:

①PB+、PB- wrong connection

②cylinder failed or oil pipe blocked

（4）Controller indicator is on, but BDI is off or not accurate

① Check if the voltage of control cable BDI is same with battery voltage;

② There is electricity for the port, but BDI is off or not accurate, BDI failed or pins, plugs have problem;

（4）Brake lock

When driving, driving motor works

① When driving, braking motor released, brake clamp failed or current is small;

② When driving, brake locked. When parking, brake opened. Cable of baking motor is connected reversely;

③ Connection of J1-1-、J1-13-、J1-15- has problem, or not well connected; Note: J1-1-（it is 12V, immediately after power on）、

 J1-13-、J1-15-（braking motor is working reversely）

④ Controller failed, or controller program is wrong;

⑤ EPB failed;

⑥ There is positive and negative 12V for braking motor plug during driving and parking. Then braking motor failed or brake locked;

When driving, driving motor doesn’t work

Normally, there is fault code, after fault code disappear, you can focus the problem of brake locking.