

## How to solve the torch motor not up or down -Stinger

→ Problem : The torch motor not up or down of --Stinger

Solution overview: 1. The torch motor is bad;

2. The CNC system cannot send a down/up signal;

3. The THC cannot send a down/up signal;

4. Electronic limit damage in the lift;

Problem analysis:

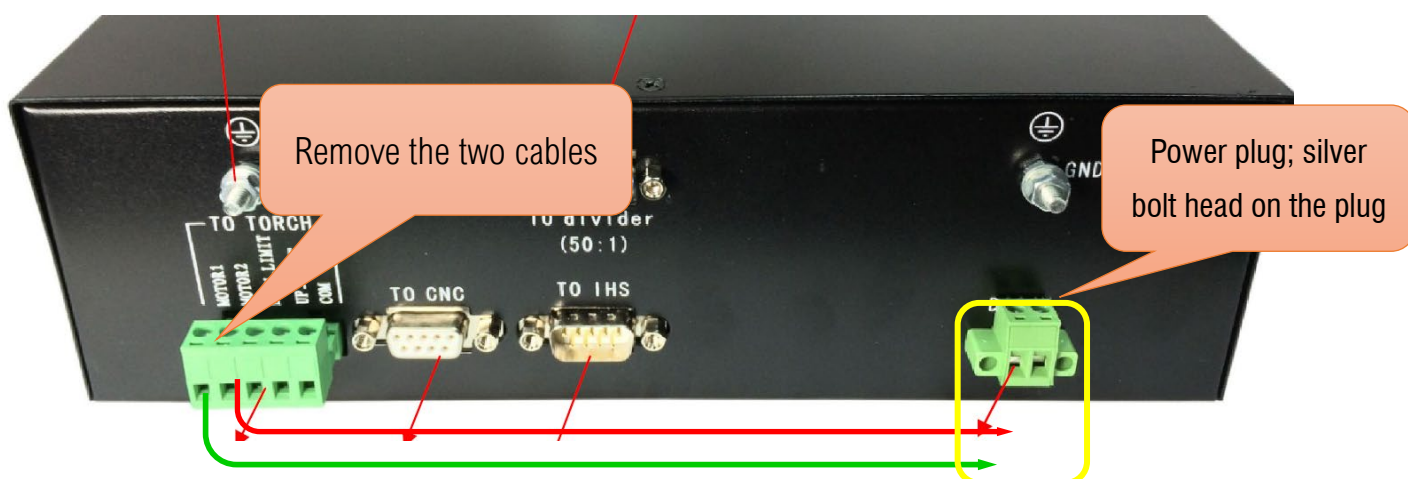
✳ 1. The torch motor is bad; Use DC24 to supply power to the motor and check the motor;

**Solution:** First remove the two cables from the green socket, → These two wires touch the silver bolt on the green socket; → Turn on the power; → Torch motor is up ;

Exchange two cables; → Torch motor is Down ;

If the torch motor is the same as described above, the motor is good; If the motor only moves in one direction, the motor damage needs to be replaced;

【See photo below: inside of the yellow square】 :



Pic1

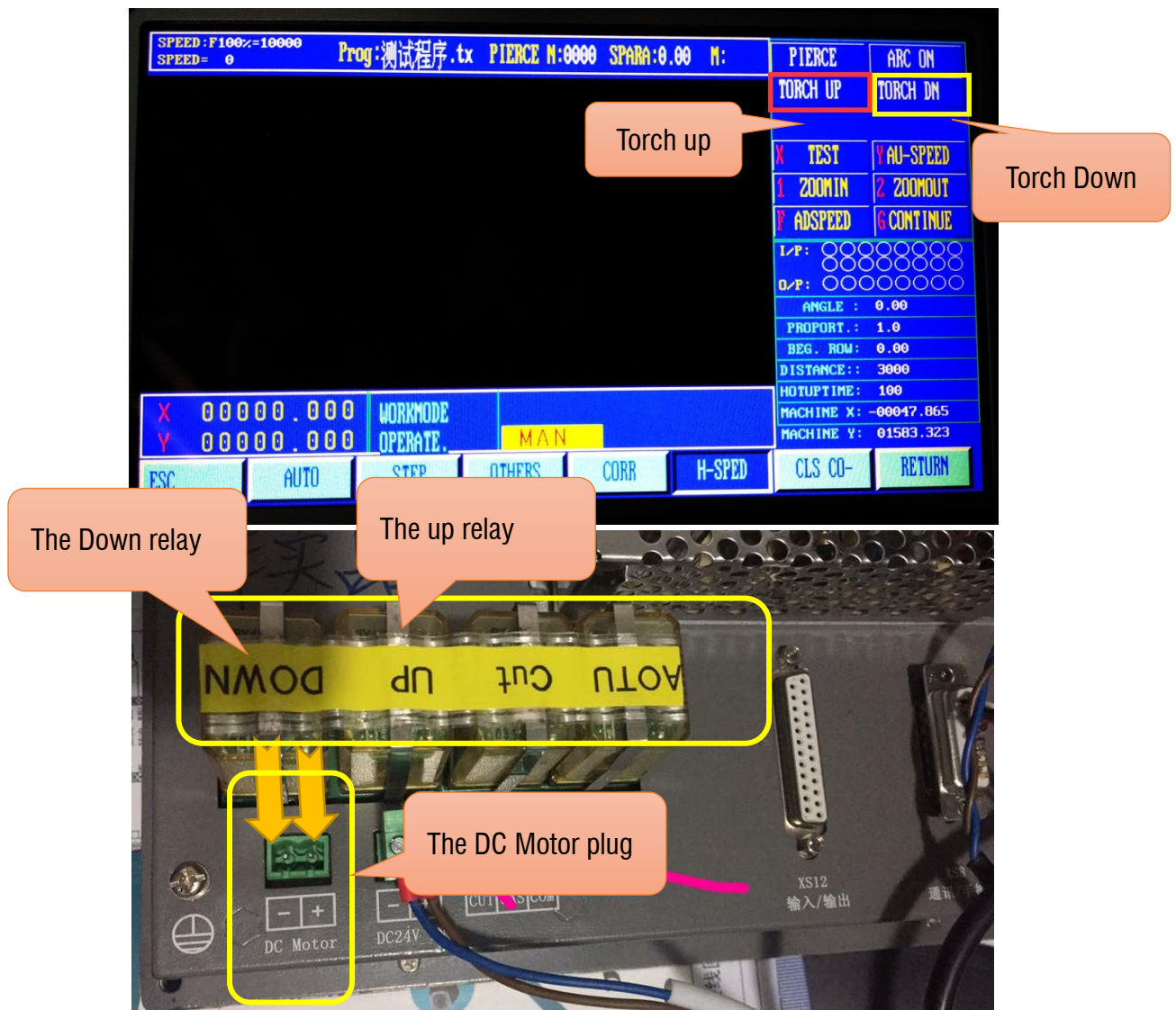
# Service Support Spirit

Problem analysis:

✦ 2. The CNC system cannot send a down/up signal;

**Solution:** Press **【S ↑】** key,--The torch up indicator on the system screen lights on, and the voltmeter is used to measure the Motor plug on the back of the system with about 24V voltage. In the same way, measure the socket voltage when you press **【S ↓】** key,.

If press **【S ↑】** key or **【S ↓】** key ,the system motor socket has 24 voltages to prove that the system has no problem.



If press **【S ↓】** key, the system motor socket has 0 voltages; Please check the relay on the back of the system;

## Service Support Spirit

Exchange up relay to down relay; → press 【S ↓】 key ; the system motor socket has 24 voltages.

Prove that the relay is damaged and needs to be replaced.

Exchange up relay to down relay; → press 【S ↓】 key ; the system motor socket has 0 voltages.

Prove that the system is damaged and needs to be replaced.

### Problem analysis:

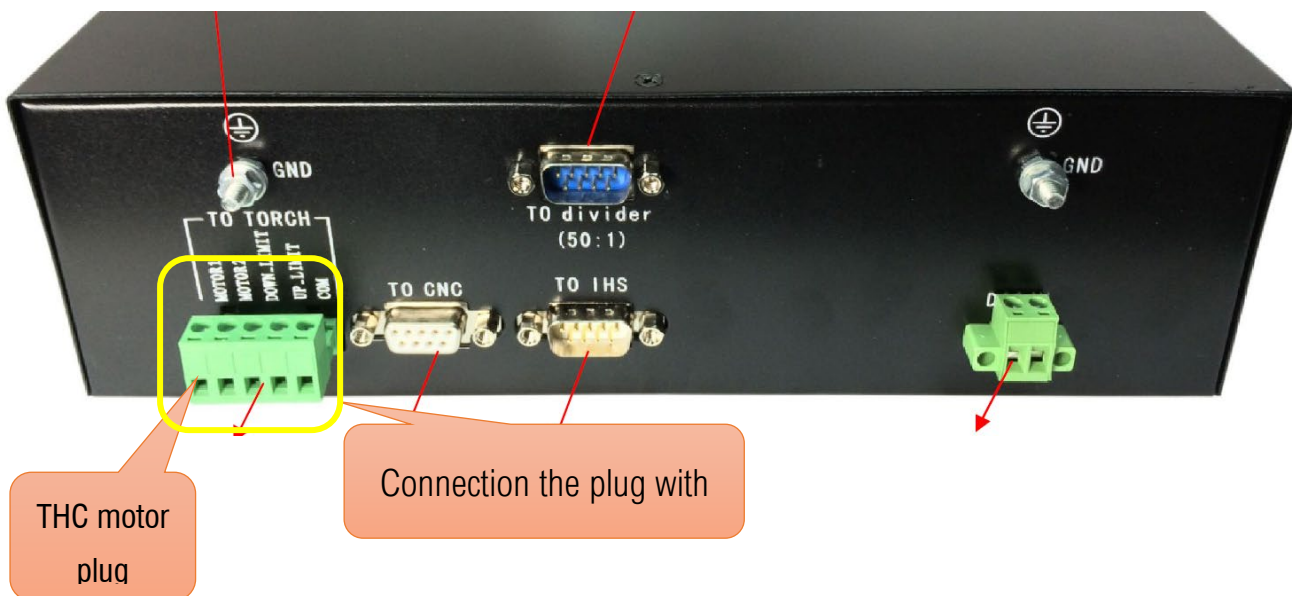
- ✳ 3. The THC cannot send a down/up signal;

**Solution:** Remove the cable from the Up plug and Dn plug, then connection the plug with a cable

Press 【S ↓】 key, --The torch down indicator on the system screen lights on, and the voltmeter is used to measure the Motor plug on the THC with about 24V.

--If not, Prove THC is bad and need to be replaced.

--If there is 24V, Prove THC is good;



### Problem analysis:

- ✳ 4. Electronic limit damage in the lift; Without other problems;

**Solution:** Remove the cable from the Up plug and Dn plug, then connection the plug with a cable

Press 【S ↓】 key,--The torch down indicator on the system screen lights on, and the torch can down, Prove electronic limit damage and need to be replaced.

