

How to solve the solenoid valve not working

➔ Problem: The solenoid valve not working;

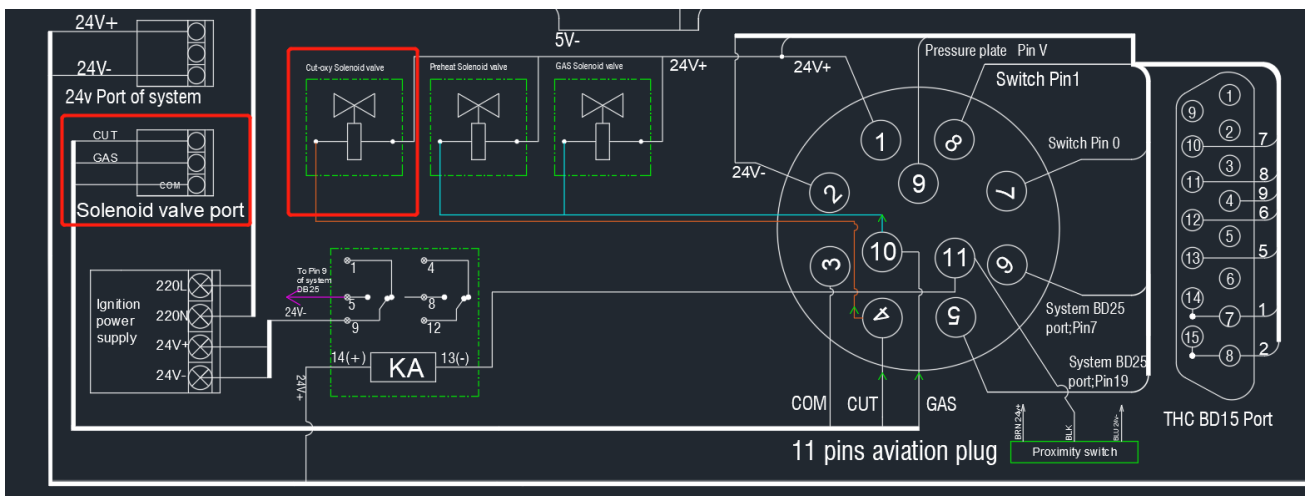
- Solution overview:
1. The wiring from the CNC to the solenoid valve is disconnected;
 2. The solenoid valve is damaged;
 3. The system has no output signal;

Problem analysis:

- ✳ 1. The wiring from the CNC to the solenoid valve is disconnected;

Solution: Step 1- With a multimeter to measure whether the COM and CUT on the back of the system are connected with the 1 and 2 corners of the solenoid valve;

Make sure the circuit is connected



Problem analysis:

- ✳ 2. The solenoid valve is damaged, Check solenoid valve;

Solution: There are two methods

The first:

Connect DC24V from the power box inside the machine to the solenoid valve. Note: the solenoid valve is marked with \pm .

Service Support Spirit

After the connection is complete, supply power to the machine and test whether the solenoid valve is working. (The indicator light of the solenoid valve is on simultaneously gas can pass through the solenoid valve).

If after power supply, The solenoid valve does not work, please replace the solenoid valve.

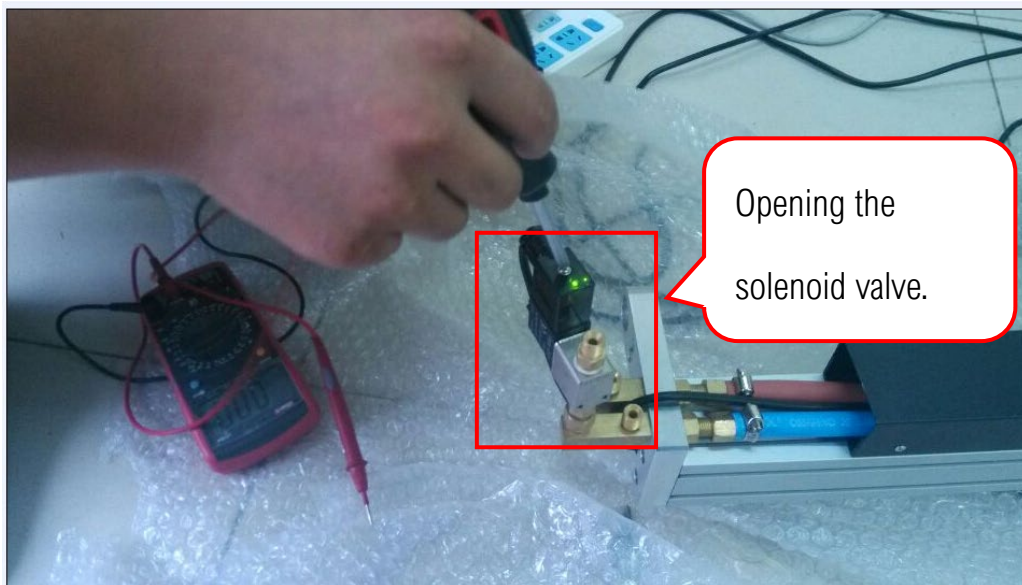
The second:

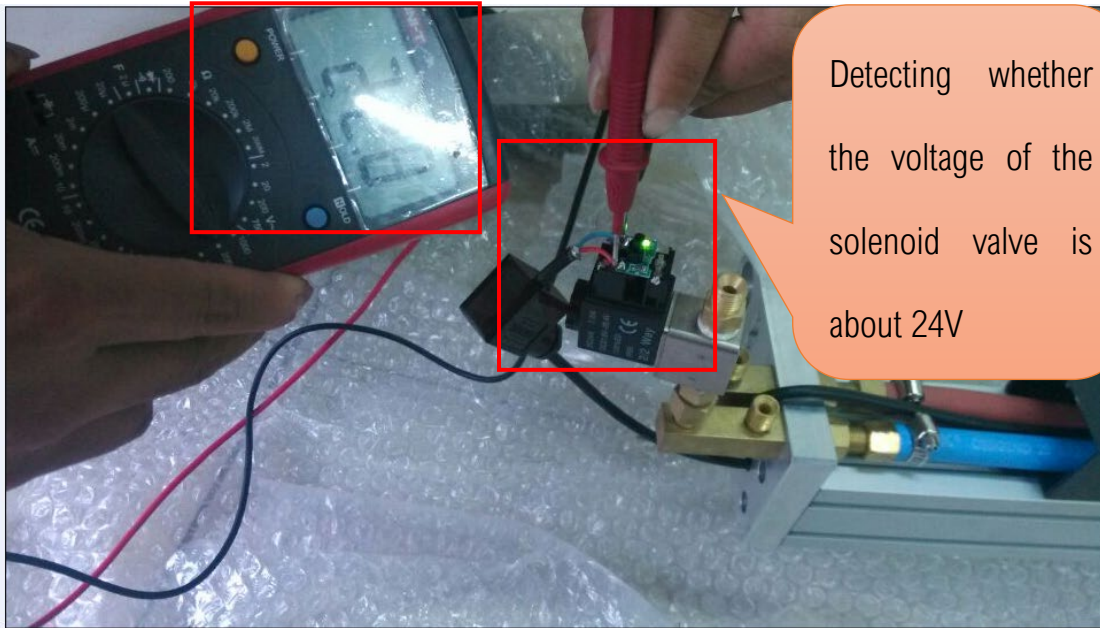
Step 1- Select the machine as the flame mode → Main interface → Press F4 【SETUP】 into SETUP interface → Press F5 【CONTROL】 into Control interface → Set the PLASMA/FLAME (1/0), Set to 0 Press F7(SAVE) → Press “ESC” return to the main interface;

Step2: The THC line connected to the beam. Main interface → Press F2【MANUAL】into Manual interface; → Press CUTOXY key on the system keyboard. Then CNC send CUTOXY Signal.

Step4: Opening the solenoid valve, Detecting whether the voltage of the solenoid valve is about 24V.

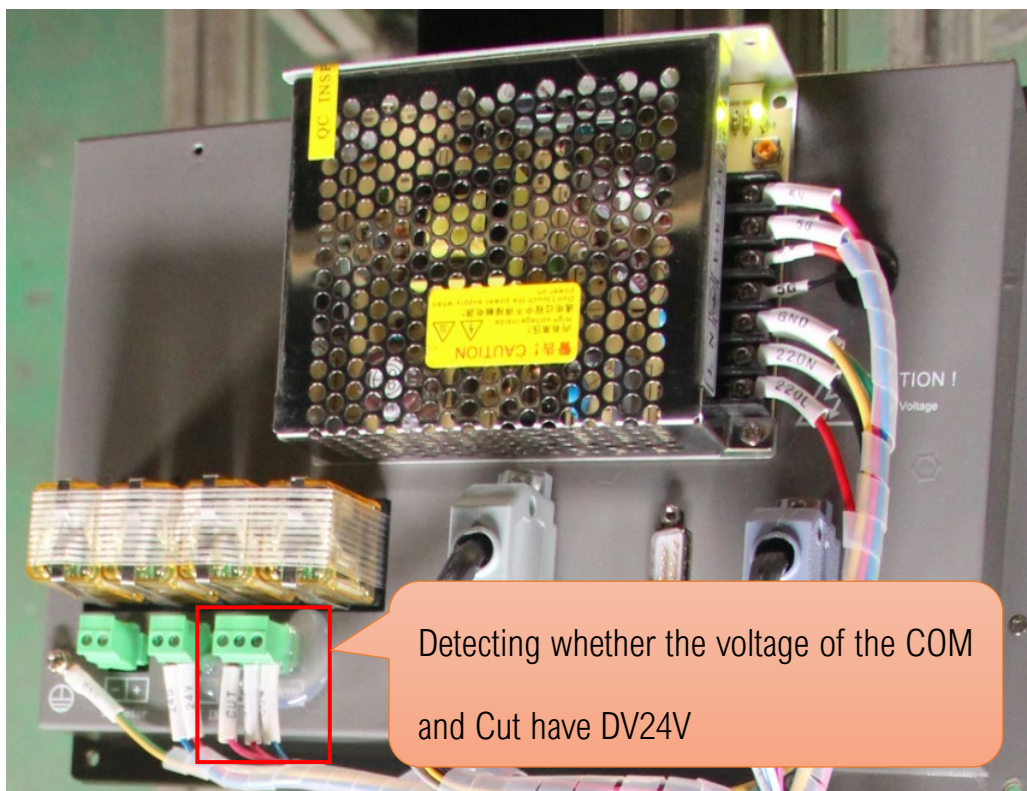
At the same time, The COM Pin and CUT Pin have 24V output of the green plug on the CNC back.





If both positions have DC24V output, It proves that the solenoid valve is working.

If System green plug have DC24V output, The solenoid valve has no DC24V output. It proves that the solenoid valve is damaged, Please replace the solenoid valve.



If System green plug has no DC24V output, Prove that the system is damaged. Need to replace the system.