

## Part Replacement Steps for FFD

1. Un-screw the FFD Thermocouple copper wire thread from the control panel valve as Fig 1, the thread screw is in an anti-clockwise direction.
2. Un-screw the Hex. nut on the top of FFD sensor as Fig 2., the thread nut is in an anti-clockwise direction and then the old FFD Thermocouple copper wire can be taken out
3. Replace a new FFD, un-screw the Hex. nut from FFD top sensor, tighten the Hex. nut onto the top of FFD sensor as Fig 2., the thread nut is in a clockwise direction, the sensor needs to be in the flame at all times as Fig 3.
4. Tighten the FFD Thermocouple copper wire thread into the control panel valve as Fig 1, the thread screw is in a clockwise direction. DO NOT OVERTIGHTEN but screw in fully as shown. 8mm size or small shifting spanner can be used.

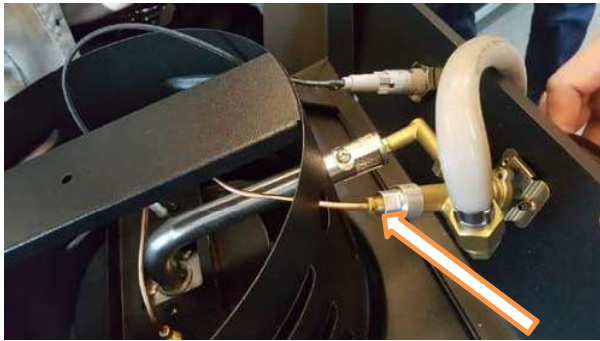


Fig. 1

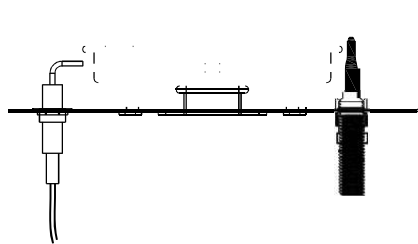
Correct



Fig. 2

Wrong

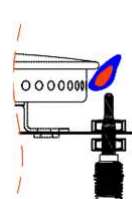
Wrong



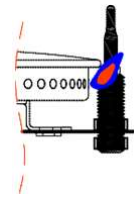
LOW SETTING

Correct

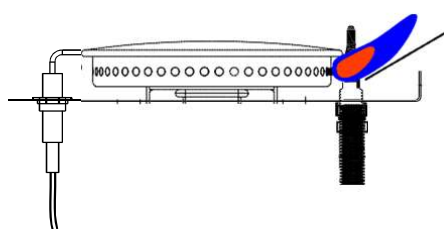
Thermocouple sensor



Wrong



Wrong



HIGH SETTING

Thermocouple sensor

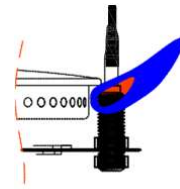
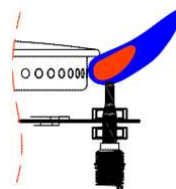


Fig. 3

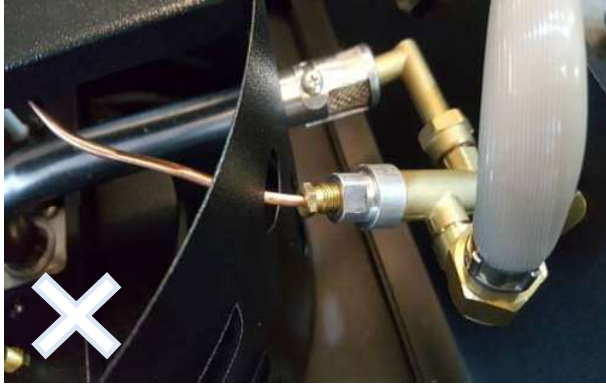


Fig. 4

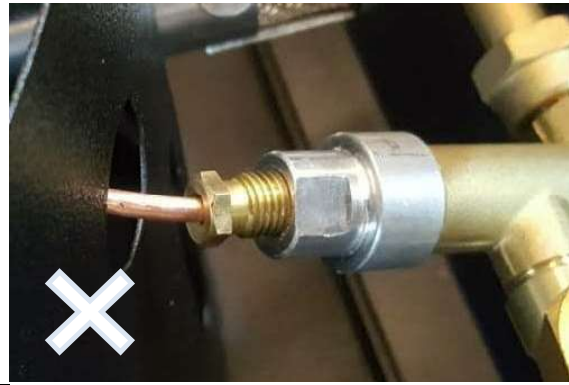


Fig. 5

**Fig 4 and Fig 5, FFD Thermocouple copper wire thread is NOT tightened correctly**



Fig.6



Fig. 7

**Fig 6 and Fig 7, FFD Thermocouple copper wire thread is assembled properly. TIGHTEN until it can still see 1 to 2 THREADS, DO NOT OVER TIGHTEN!**