



# 3D PRINTER

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PAGES: 3

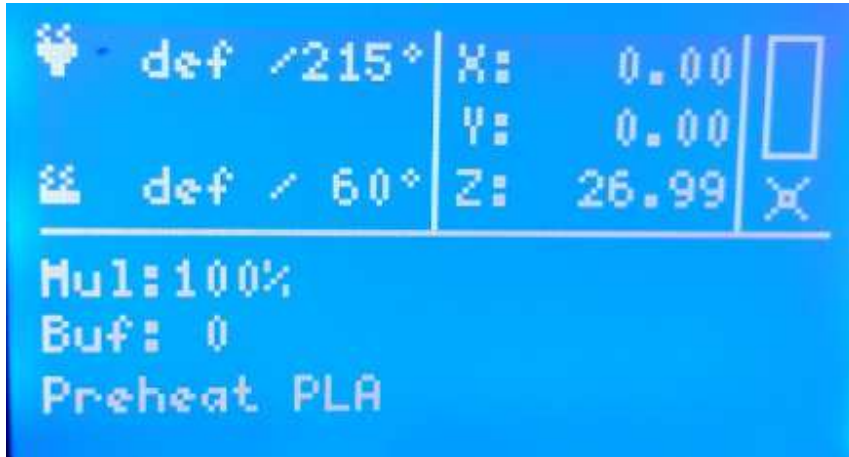
FILE NAME: OQD03201.doc  
REVISION : A

TITLE: How to fix i3 thermistor mal-function?

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APPROVED BY: Gary Chen

## 1.0 Purpose

The i3 LCD screen indicate "DEF" on before the target temperature. That is to say the thermistor has problem. Either the translucent insulate tube was broken or the thermistor is broken. Cover the broken tube or replace the thermistor would resolve the problem.



## 2.0 Scope

This document establishes the specifications required for Duplicator i3.

## 3.0 Tools required.

One piece 1.5mm hex wrench



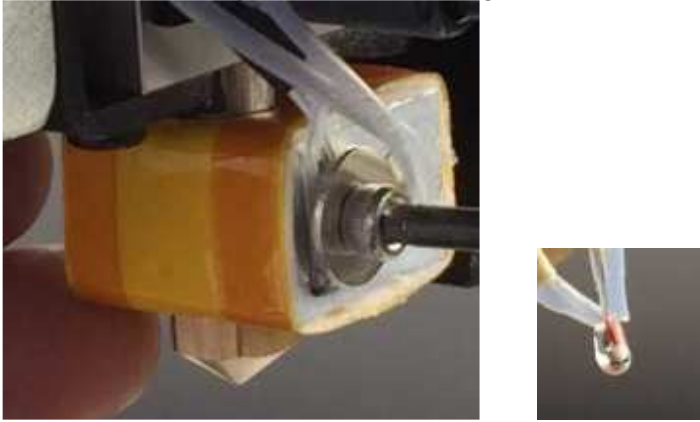
Kapton tape or Wanhao Masking tape



## 4.0 Checking procedure

**4.1 Loose the locking screw on the hot end, so you can release the thermistor insulate cable.**

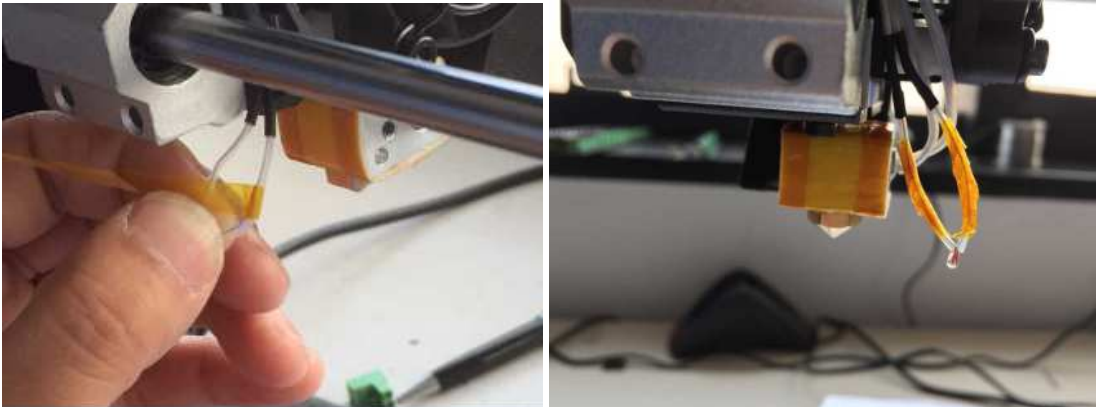
The thermistor was locked under one M3 screw. By release the M3 bolt, you can release the cable and one glass like thermistor which is used for temperature reading. Please handle with great care, do not drag or break the thermistor.



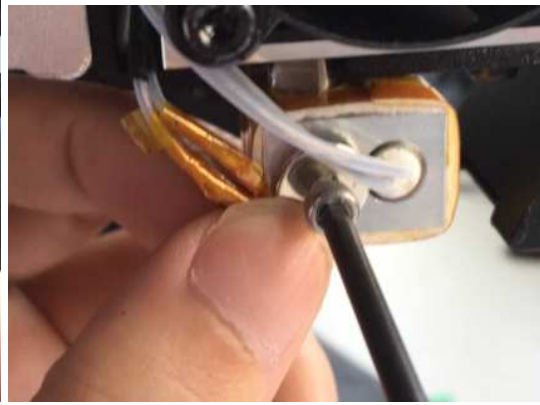
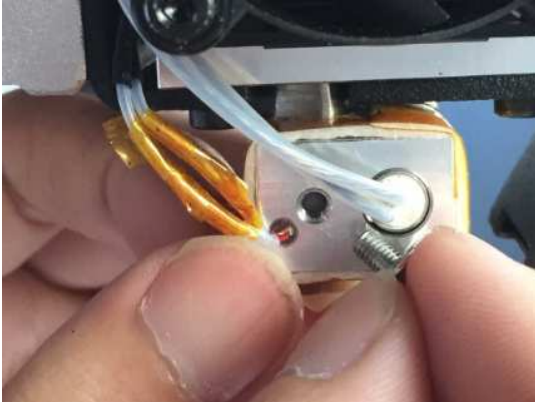
**4.2 Cover the insulate translucent tube with kapton tape or Wanhao Masking tape to re insulate the cable.**

The insulating translucent cable may break under the locking screw and ring due to heat and pressure. So cover the cable by another insulate material would fix the problem. Kapton and Wanhao Masking tape are good insulate material.

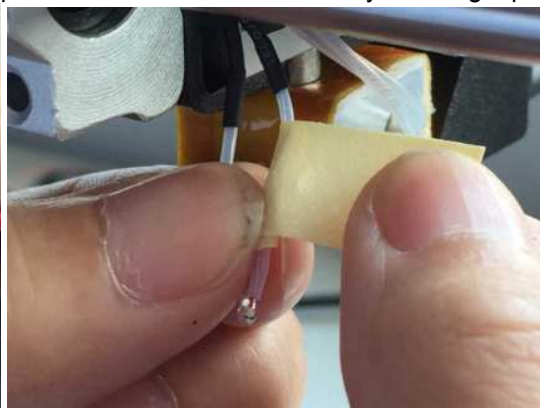
A. To cover the broken cable by kapton tape.



B. Insert the thermistor into the checking hole. Be careful don't break the glass bubble. Tighten the locking screw.



A. If you only get Wanhao Masking tape. To cover the broken cable by Masking tape.



B. Insert the thermistor into the checking hole. Be careful don't break the glass bubble. Tighten the locking screw.



### 5.0 Revisions

A – Initiate: 05/22/15 by: Manolo