



3D PRINTER

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TITLE: How to insulate the i3plus HBP and Spring?

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1.0 Purpose

The heated build plate's leveling springs feature sharp edges which cut through the solder mask of the PCB heated platform and make contact with the traces and the metal carriage. That issues alone wouldn't cause the short, but in certain positions, one of the Y-axis's belt holder mounting screws seems to rub against grounded metal parts of the printer, temporarily grounding the carriage. To insert the insulate bushing or insulate card in between the spring and HBP would fix the issue.



2.0 Scope

This document cover Duplicator i3 plus produced before 19th Sept 2016.

3.0 Tools required.

One Scissors,



One name card, or any thick paper card



Or any bushing with inner hole 3mm, Nylon and plastic bushing is preferred.

4.0 Insulating procedure

4.1 Temporary Fixing.

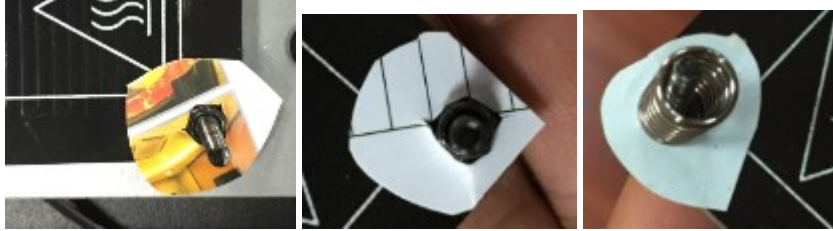
To cut the name card into 4pcs 3cm circle and cut a 0.5cm hole in the middle.



To Screw off the 4 thumb nuts



To add the paper card in between the heating bed and spring at 4 corners. You may need to use scissors to trim the card to fit the bed shape.



Re-install the heating bed onto the printer base.



4.2 Fundamental Fixing

To add the Nylon bushing or plastic bushing in between the heating bed and spring. Please contact SUPPORT@WANHAO3DPRINTER.COM, or Wanhao distributor where you purchasing the printer. The free bushing pack would be send out in 3 working day by China post.

PS, Please add the following information to your email:

- A. Where and when did you purchase the printer?
- B. What is the series No. on the printer?
- C. What is your detail address and phone number?



5.0 Revisions

A – Initiate: 20/9/16 by: Manolo