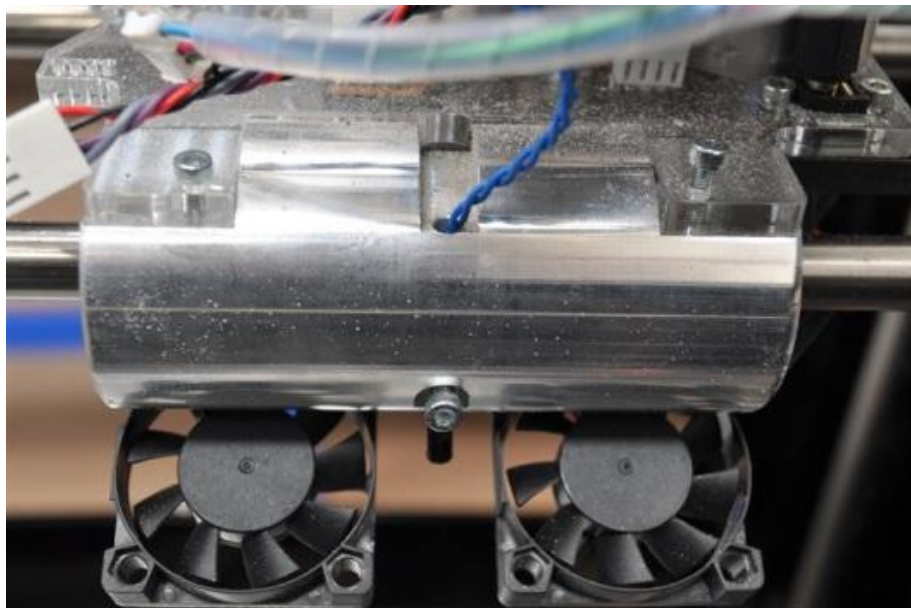


Changing a Z limit switch

Purpose

Correct procedure for changing the Z limit switch

Diagram



Tools

Soldering Iron and solder.

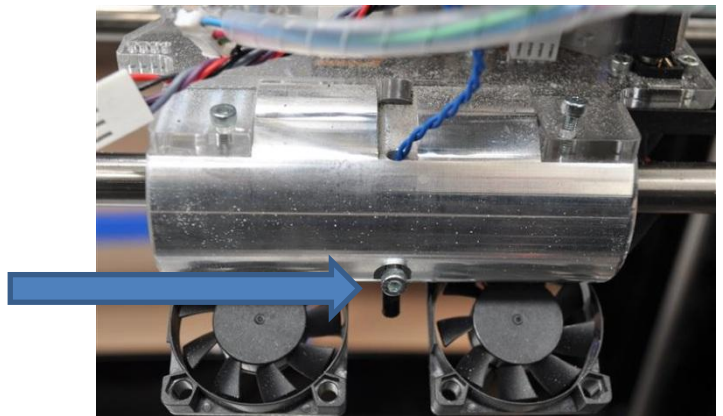
2.5 allen key.

Cutters.

Method

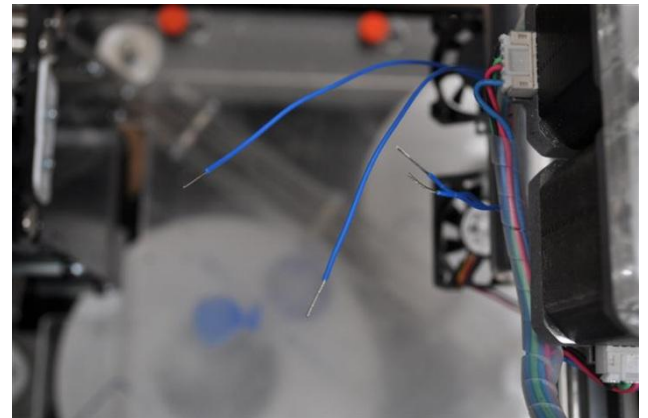
Step 1

Unscrew the holding screw and thread the new Z switch up through the hole in the Z block.



Step 2

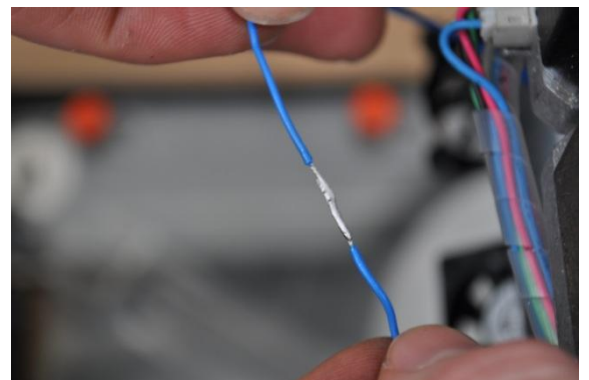
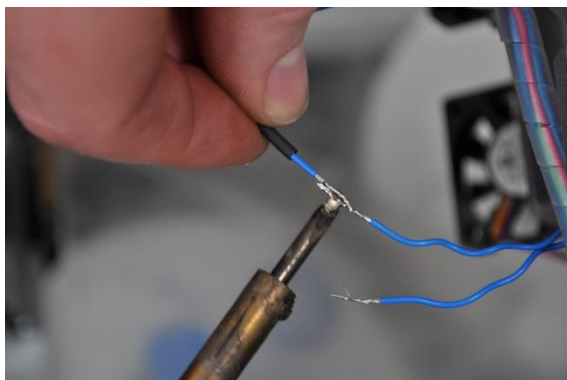
Cut the existing wires and Strip the blue insulation to reveal the wire. Twist and apply solder to the ends.



Step 3

Slide onto one of the wires a heat shrink sleeve.

Join the existing wire to the new wire by applying a little solder.



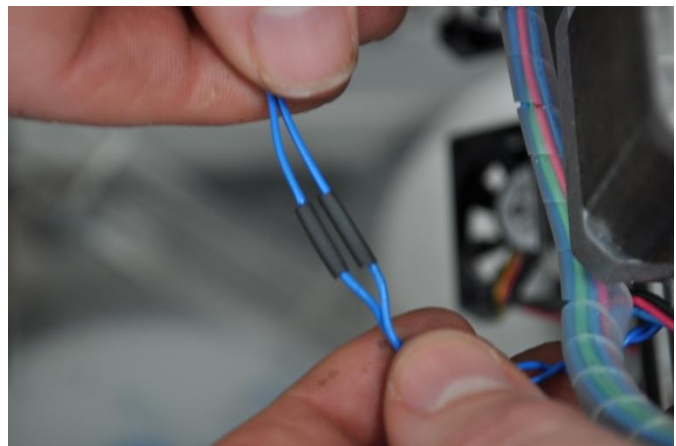
Step 4

Slide the heat shrink sleeve over the join and heat it to seal.



Step 5

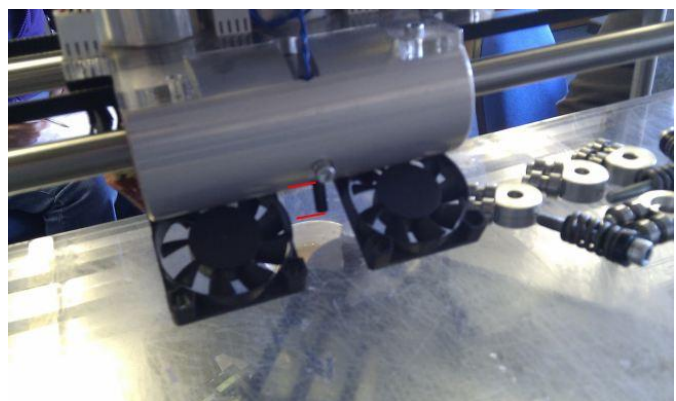
Repeat steps 3 -4 for the second wire connection.



Step 6

Set the position of the reed switch to protrude 10mm.

Note: Over tightening the fixing screw may break the switch.



Testing

To check that the replacement switch works correctly, select the 'manual move' function and note the Z limit line should read 'Test'. If you place a magnet near to the switch it should change to 'OK'. Set the z height using the 'set z height' function from the 'settings' menu.