



REPLICATOR 2 : TECHNICAL SUPPORT ARTICLE

ENDSTOP CABLE REPLACEMENT

Step 1 : Test the cable

Turn the machine on its left (your left when facing the machine) side and remove the base plate that protects the motherboard.

Remove the right side panel off your machine (6 large cap screws hold it in place) for easier access to the X axis cable

Now unclip the X axis endstop cable and connect the new cable (the longest ribbon cable length) by just threading it through around the outside of the machine and in the right side window

Unclip the Y and connect the new one, again running straight through the right side window.

Lastly do the same for the Z Endstop, again just through the window.

Now connect the new cable to the motherboard. It is the only connector of its size on the motherboard (see fig 1.1)

Gently turn your machine upright, be careful not to squash any cables as you have a few dangling about now.

Plug in and turn on the machine. If you press each of the endstops a red light should light up on the endstop board (see picture 1.3).

Now test the new cable by telling it to home, after having slid the extruder to the front left.

All good ? Yes? Then tidy up, otherwise contact us.

Step 2 : Tidy up

Start at the x motor.

Start by disconnecting the old cable, working backwards from the stepper motor. Be VERY careful when cutting the small zip tie that holds the motor cable to the endstop cable and unclipping the cable from the cable clips on the chassis. You will find the cable enters upwards from the motherboard into the machine body through a small triangle hole in the base, push it through into the motherboard area under the machine and thread back up the new cable.

Plug the cable into the stepper motor and re-trace the cable path, popping the cables back in the cable clips on the chassis, push excess cable back down to the underside of the machine.

Do the same for the Y and Z axis endstop clips.

Turn the machine upright and test again.

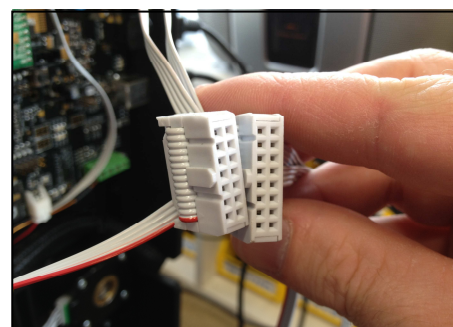
Step 3 : return the damaged cable

We ask that damaged cables are returned to us in an envelop so that we can test them and try and work out why they broke.

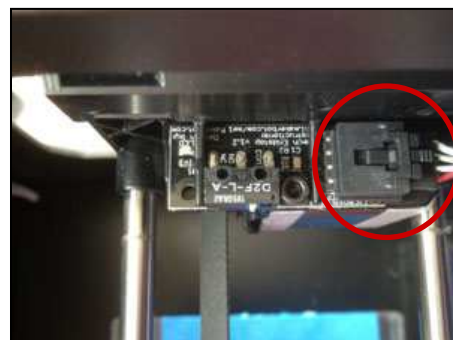
They can be sent to :

Damaged cable testing, BilbyCNC PO Box 62, BEGA, NSW 2550

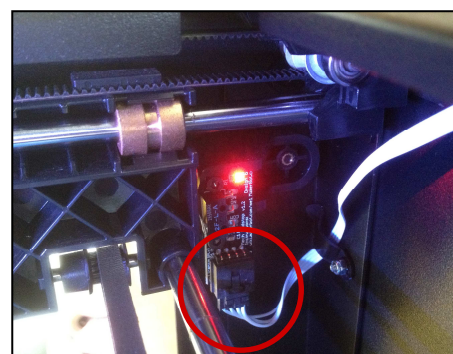
We thank you in advance for your help



1.1 Endstop cable on left (smaller connector) and XYZ motor cable on right



1.2 X Axis Endstop. Connector circled
Located to the right of the gantry



1.3 Y Axis Endstop. Connector circled
Located back left of Machine



1.4 Z Axis Endstop. Connector circled
Located at the back top of the machine,
behind the screw rod that drives the
Z (up down) bed movement