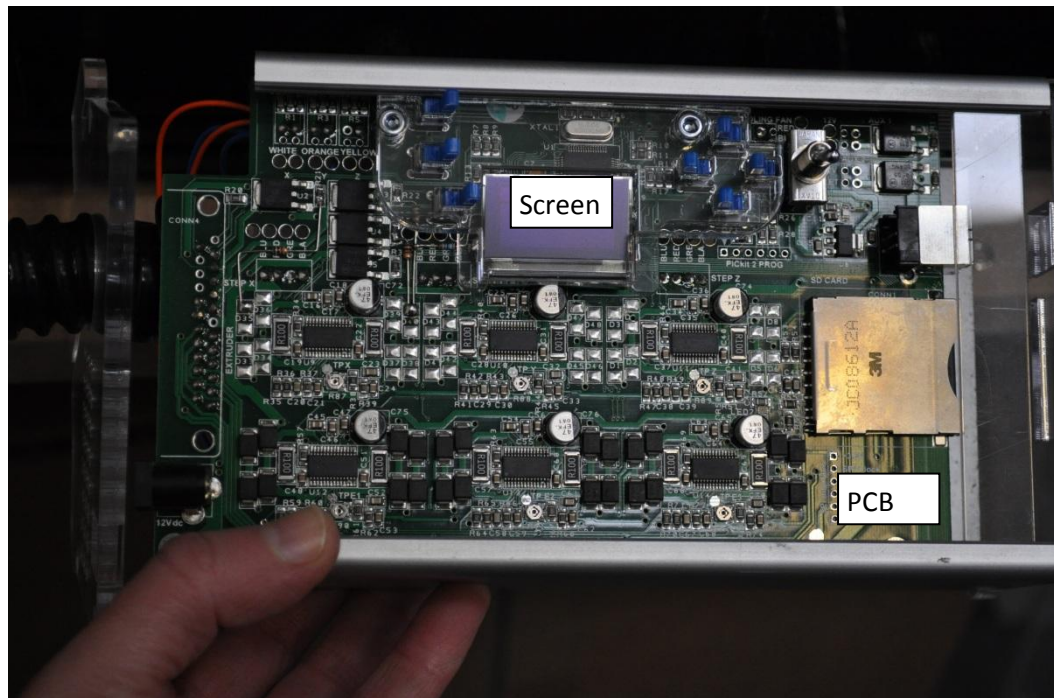


# Tightening the LED screen on the PCB

## Purpose

Correct procedure for tightening the screen to the PCB. If too loose the screen will not display correctly.

## Diagram



## Tools

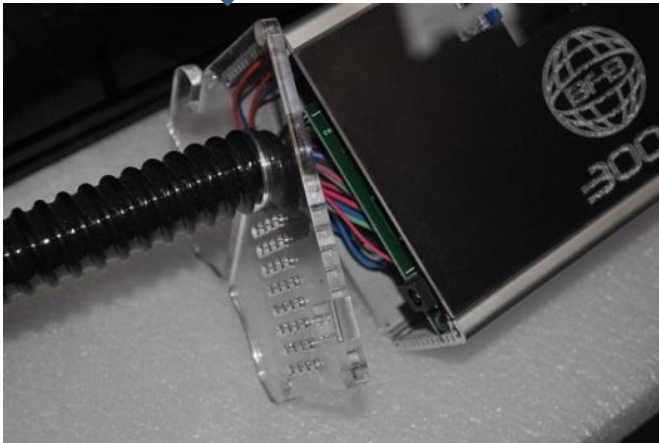
Cross-head driver

Combination 4mm spanner

## Method

### Step 1

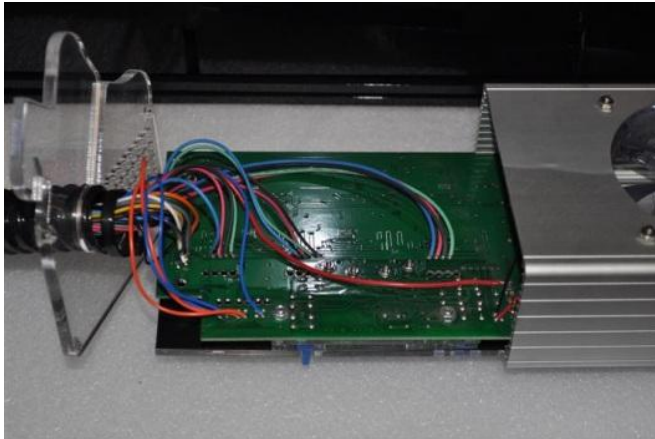
Disconnect the power lead, unscrew and detach the side panel from the controller casing using a cross-head driver.



### Step 2

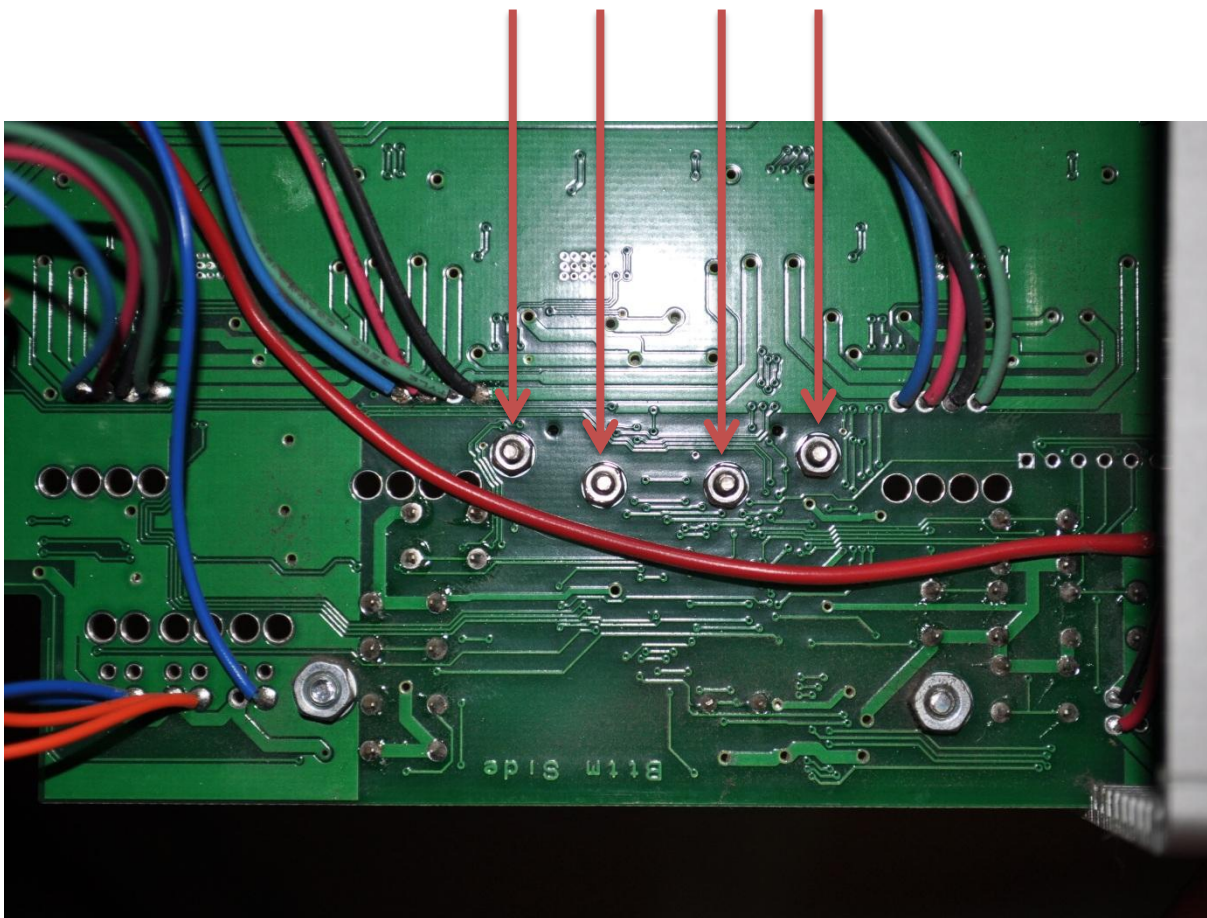
Slide the PCB and top panel out slightly so that you can access the back of the PCB board.





### Step 3

Turn over the unit to reveal the back of the PCB and locate the 4 nuts in the centre which attach the screen to the PCB board.



### Step 4

Using a combination 4mm spanner, tighten all 4 nuts starting from the inside nuts first.

## Testing

Connect the power lead to the controller unit. Power on the PCB into bootloader mode (by holding down the bottom button on right side of PCB during switching on, as shown in Figure 1) and check the screen lights up without any missing vertical lines.

If screen fails this test, contact Bits from Bytes online using the 'ticket request system' found on the support tab: <http://www.bitsfrombytes.com/content/welcome-bits-bytes-support-page>



Figure 1: To get to bootloader mode, turn the screen on at the same time as pressing the Y- button.