

Notes on Calibrating a DOS Formulator Balance.

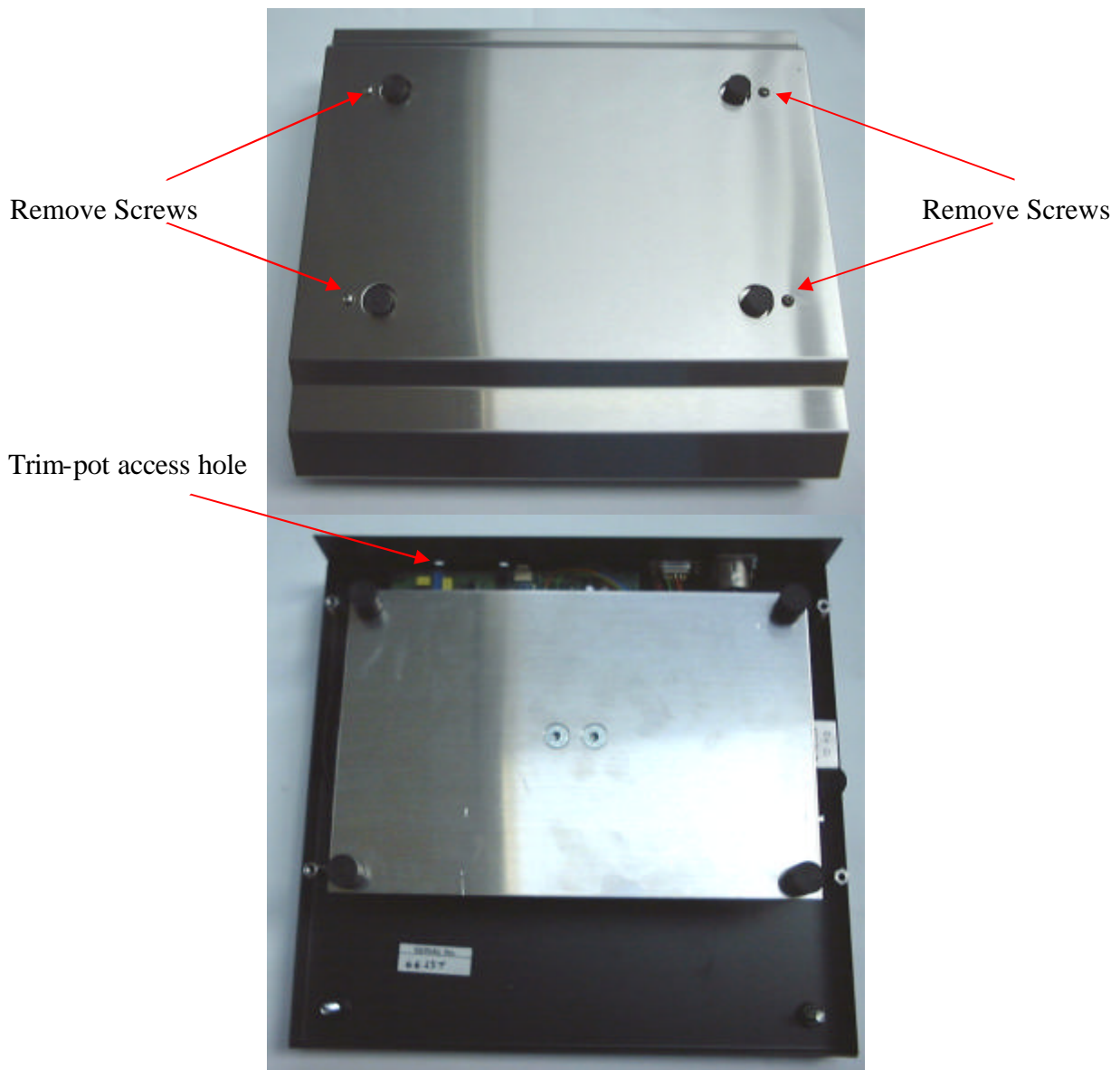
Run Calibrator within Formulator, usually the F5 button.

Follow the on screen prompts. When requested to remove all weights from the balance, along with the weigh pan and place a 'Light-Weight Pan' on the balance, remove the weigh pan and replace with a sheet of metal at least 100g lighter than the weigh pan.

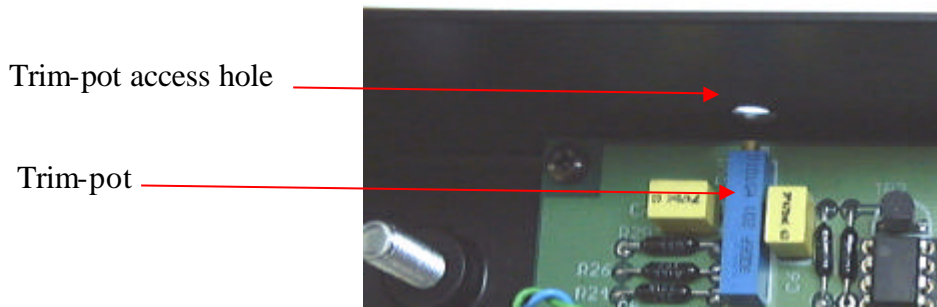
Adjustment to 3000.

There is a potentiometer or trim-pot on the scale board, which requires adjustment, this is accessible via the back panel of the Formulator. There should be two holes in the panel on the opposite side to the power and comms. connectors, one will have a red LED showing through it, (when power is on), the other is access to the trim-pot.

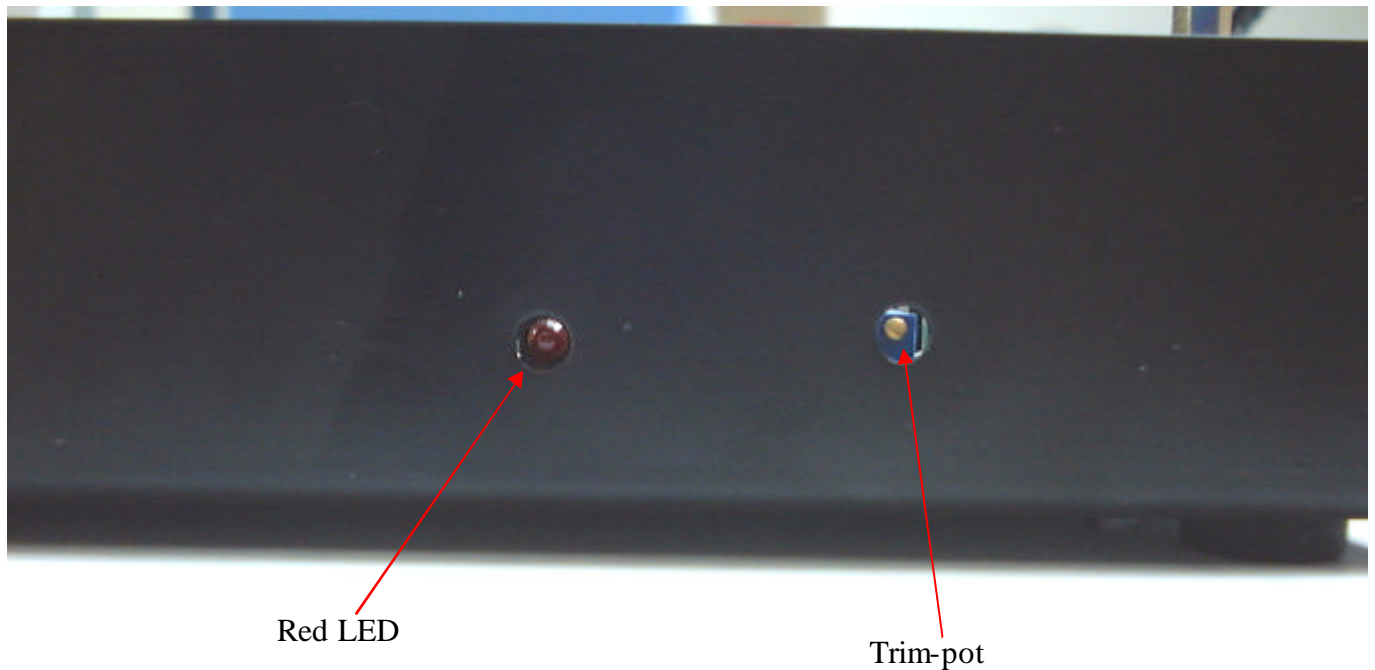
If there is only one hole with the red LED showing, the top cover will require removing. This is achieved by removing the four screws in the top panel beneath the weigh pan. Remove these screws and lift the cover off.



The trip-pot access hole can be seen in the above photo, the trim-pit is seen in the photo below.



Using a flat blade terminal screwdriver, (0.5X3X60 for example) adjust the trim-pot to give the required reading of 3000. (The light-weight pan should be on while making the adjustment and the rest of the calibration procedure). Follow the on screen prompts to complete the calibration.



The Red LED and the Potentiometer or Trim-pot can clearly be seen through the hole in this photo.

After the calibration process is complete, remove the weights and light-weight pan, replace with the weigh pan, tare and check the calibration was successful using the calibration weights.

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