Afinia H800 Pre-print setup

These steps should be done every 3 prints for best prints.

Step 1. Lower the platform using the adjustment knobs on each corner, and one under the platform near the rear, as far as it will go. Bottom it out all the way down.

Step 2. Attach perf board

Step 3. Run auto level.

Step 4. Review ‘platform calibrate’ to see the measurements on each point

Step 5. Any point below 0 needs to be raised. To raise the platform, turn the adjustment knob clockwise, or to the left. It may be best to do one turn at a time on which ever areas need to be raised.

Step 6. Run auto level again.

Step 7. Review platform calibrate to see the measurements on each point

Step 8. We are going for .3 or less on each point. Continue to adjust one turn at a time for each adjustment knob that needs to be adjusted

Step 9. Continue process until all points are .3 or better

Step 10. Now open the Platform Calibrate window and move the extruder over to one of the zero points

Step 11. Now open the Maintenance window and observe the maximum nozzle height value

Step 12. Change the value in the nozzle height field to the maximum value displayed

Step 13. Slide a folded piece of paper between the nozzle and the platform

Step 14. You are looking for a slight resistance. You want the nozzle just touching the paper, not too hard, and not too soft

Step 15. Use the up and down arrows near the ‘To’ button to adjust the nozzle height as needed

Step 16. When the nozzle height is found, click Set Nozzle Height.

Step 17. Now you can extrude, heat, and begin printing.

Tips:
Clockwise is left (lower), counter clockwise is right (raise). Make a label to put near the adjustment
screws to easily remember
If any of the 9 points are blank, they are too low to measure. Raise those points.
If the auto level errors out, the platform is severely out of level and the platform should be lowered all the way down again and start over.
Make sure the perf board is secured under ALL the screws. The perf board should never be sitting on top of one of the screws that it is supposed to clip in to.
Make sure the perf board and platform are free of debris before every print.

Things NOT to do:
Do not try to remove the printed model with the perf board still attached to the platform
Do not use the glass without the perf board attached to the platform. The glass is placed on the perf board and clipped on using the clips provided with the purchase of the glass
Do not push or pull the platform up and down by hand. There is an adjustment screw at the very back of the printer under the rear axle that can be turned using a screw driver.
Use a level to level the platform, it just won’t work

Heating Recommendations

ABS filament 85°
PLA filament 50-55°
Large prints 90-95°