

# Guide: How to install & adjust Blue® Washer plate guides

- Plate guides are required to center 1536w plates underneath dispenser pins to ensure dispense jets enter wells centrally (in y-direction)
- Plate guides are pre-installed in Blue® Washers ordered with 1536w dispensers
- Plate guides are not needed and can be removed when dispensing into 96/ 384w plates, but need to be re-installed when resuming 1536w dispensing
- Plate guides are adjustable in height and width. Ensure proper adjustment to plate types and carriers used
- **Warning: plate guides that are adjusted too narrow or low can cause carrier detachment during homing**

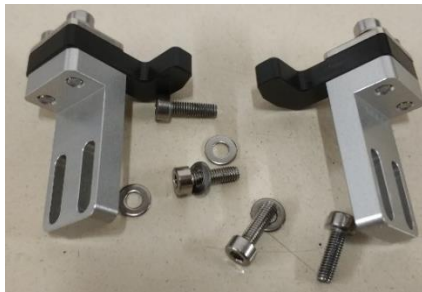
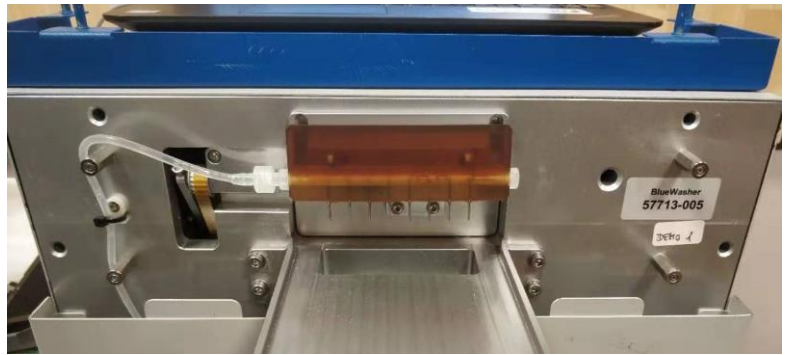


Plate guides with mounting screws and washers

Pull off magnetically attached front cover and dispenser head



Mount guide to balcony side in orientation shown; tighten height-adjustment screws only lightly

Adjust height (top of guide to bottom of dispenser mount) to approx. 11 mm. Tighten screws.

Loosen width adjustment screws on top of guide.



Repeat installation on other side



Power on BlueWasher  
Connect  
Initialize & Balance



Connect

Initialize & Balance

Remove  
carrier  
and plate



In command line on  
bottom right of GUI, enter  
command: "rackhome"

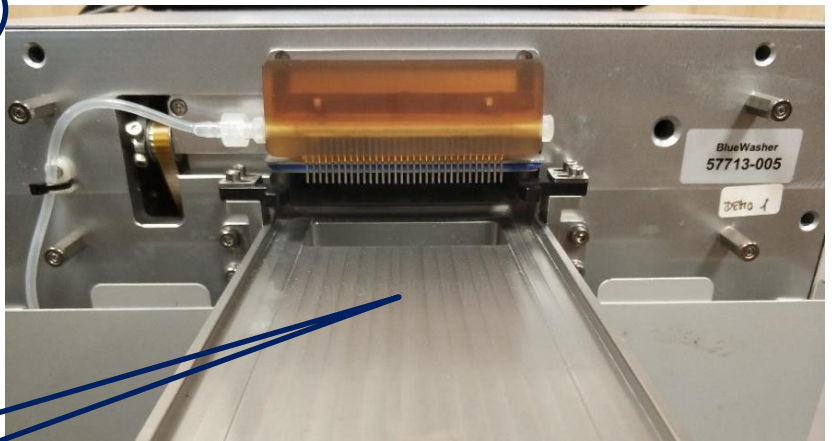
Command:

rackhome

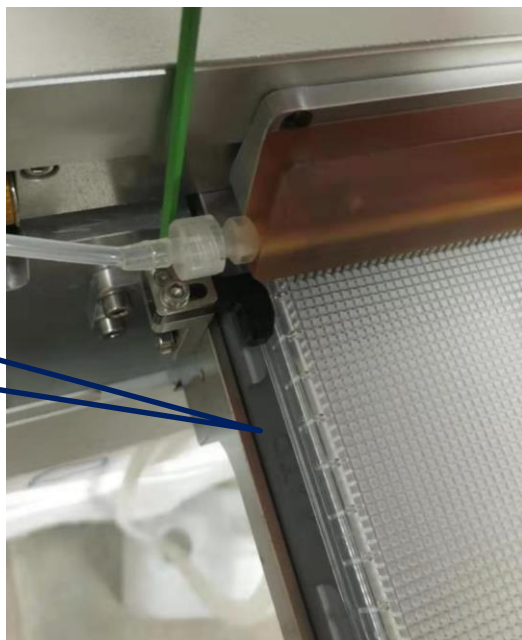
Run single command

Run command

Push rod moves inside  
to home position

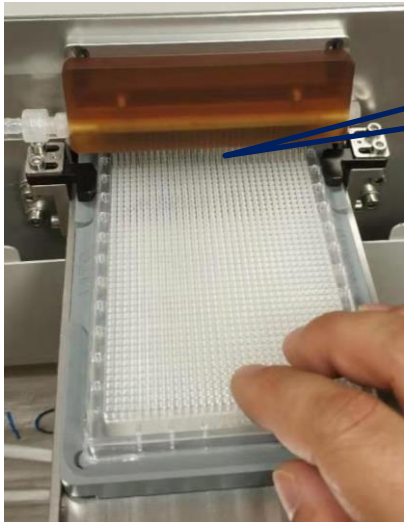


Place carrier with  
plate back on  
balcony



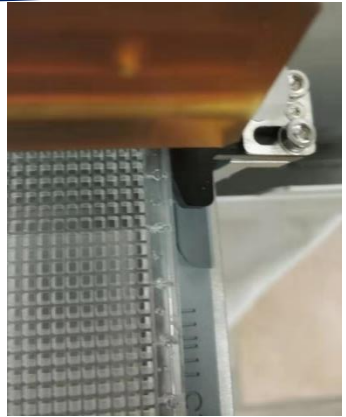


Adjust guides width and height

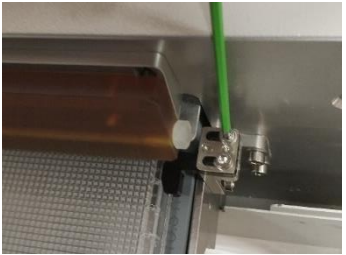
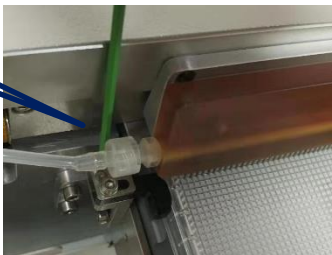
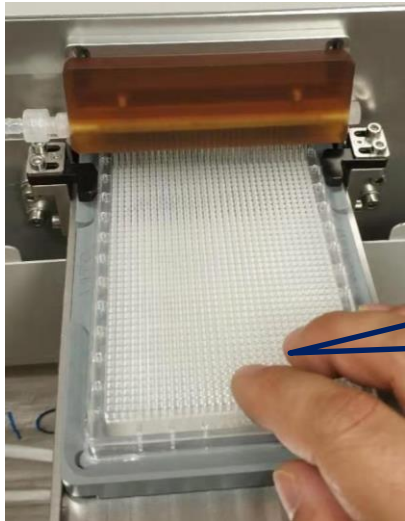


Place plate so dispenser tips are centered above wells (in y-direction, perpendicular to plate movement)

Nudge both guides so they are approx. 0.5mm away from plate sides - **guides should not touch plate when plate is already centered**



Tighten width adjustment screws



Move plate back and forth to ensure it is not rubbing against guides; only when plate is off-center, guides should gently nudge the plate into a central position

Re-adjust height of guides if guide is too close to carrier

Run dispense to test guide position



Quick Access

- Prime / Dispense
- Dispense
- Evacuate
- Wash
- Incubate