



LARGE BOARD HOLDER
PACE P/N 6018-0095
INSTALLATION & OPERATION INSTRUCTIONS
MANUAL NUMBER 5050-0413
REV. C

The Large Board Holder Assembly allows the user to hold PCBs as large as 45.7cm by 45.7cm (18" by 18"). The assembly mounts directly to the HS 200 Heat Wave heater unit or onto the ThermoFlo system standard board holder base.

For any questions regarding the following instructions, contact your local authorized PACE dealer or contact PACE directly at:

Telephone (301) 490-9860, Fax (301) 604-8782

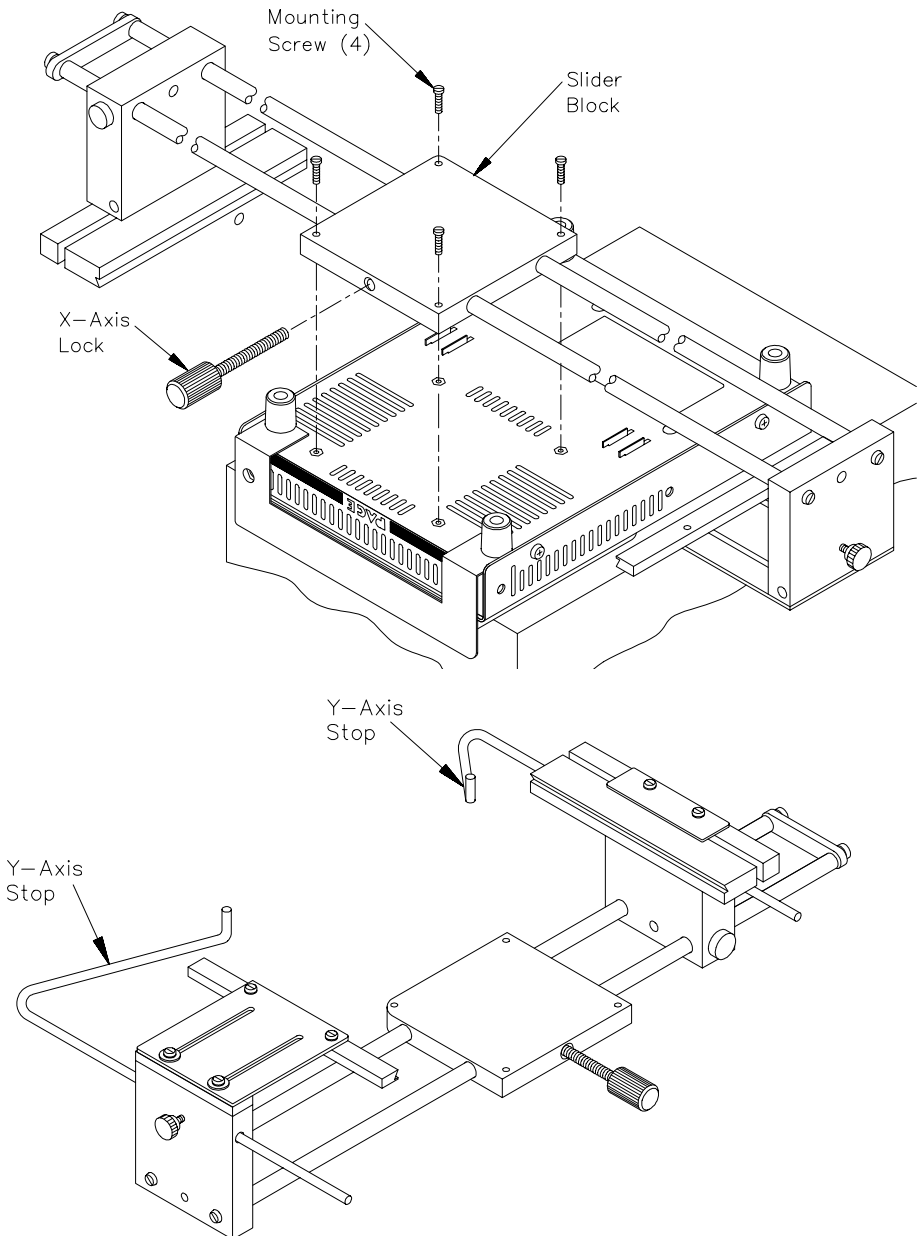
PACE Incorporated
9893 Brewers Court
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Set-UP

Set up the Large Board Holder Assembly using the following instructions and associated drawings.

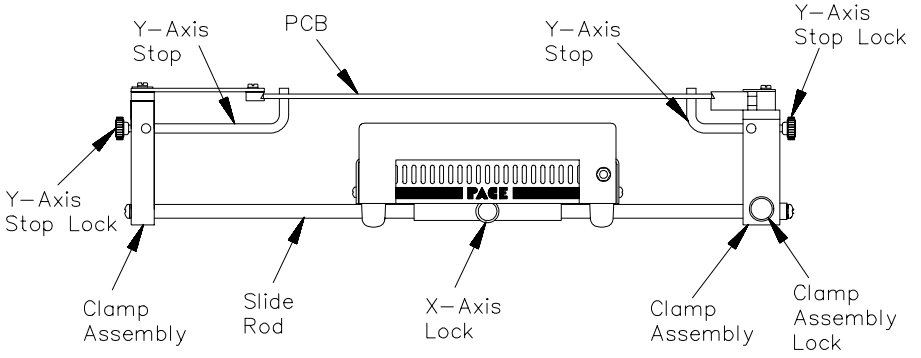
1. If mounting to a HS 200 Heat Wave system, disconnect the Heat Wave heater unit from the house AC supply and from the Program Master power source. Ensure that heater unit hot plate is at room temperature.
2. If mounting to a ThermoFlo system Standard board holder base, remove all of the board holder parts from the base. Do NOT remove the 4 rubber feet.
3. The assembly is shipped with the main assembly, the X-Axis Lock, 2 Y-Axis Stops, 4 Spacers & mounting hardware. Ensure that all parts have been included.
4. Turn the heater unit (or ThermoFlo base) upside down with the PACE logo facing you. Place the unit on a small, raised surface (e.g., a large, thick book). This will allow the Large Board Assembly to rest freely on the unit.
5. There are 4 Mounting Screws (secured by hex nuts) installed in the Slider Block. Unscrew the hex nuts and remove the 4 Mounting Screws. Discard the 4 hex nuts.
6. Orient the assembly as shown with the 4 open mounting holes in the Slider Block aligned to the 4 mounting holes in the bottom of the unit.
7. Select the correct Mounting Screws for your application. There are 2 different types of mounting screws supplied with the Large Board Holder. They are as follows:
 - a) Four standard machine screws (come mounted in Slider Block) which are used to mount the Large Board Holder to a Heat Wave Heater unit.
 - b) Four thread cutting screws which are used to mount the Large Board Holder to the base of a ThermoFlo standard board holder.
8. Install the 4 Mounting Screws (selected in step 7) through the open mounting holes of the Slider Block and screw into the mounting holes of the unit. Tighten screws to secure the assembly to the heater unit.
9. Install the X-Axis Lock on the Slider Block.
10. Turn the unit upright.
11. Slide the 2 loose Y-Axis Stops into the Clamp Assemblies as shown. Secure in place with the Y-Axis Stop Locks.

12. The 4 Spacers included with the kit may be installed on the Clamp Assemblies when utilizing a HS 200 Heat Wave system, to increase the space between the bottom of a mounted PCB and the heater unit hot plate.



Parts Identification

1. Clamp Assembly - Holds PCB assembly on Large Board Holder Assembly.
2. Clamp Assembly Lock - Locks PCB assembly in place preventing A-Axis (side to side) movement along the 2 Slide Rods. The lock button must be depressed and held to allow clamp movement.
3. Y-Axis Stop - Memory retention feature allows Y (front to back) directional stop reference for repeatable PCB positioning.
4. Y-Axis Stop Locks - Locks Y-Axis Stops in place.
5. X-Axis Lock - Locks the Slide Rods in position to prevent X-Axis (side to side) movement.



Operation

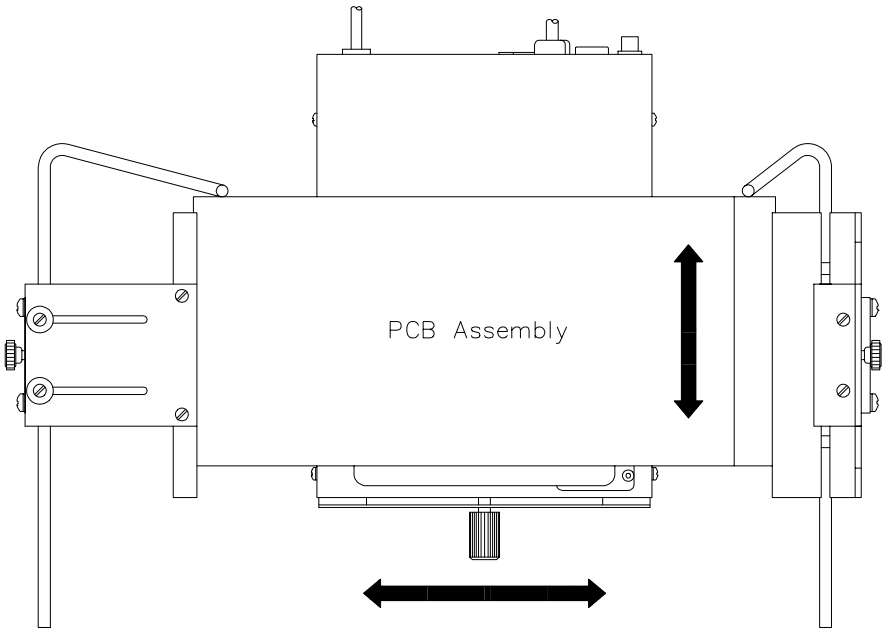
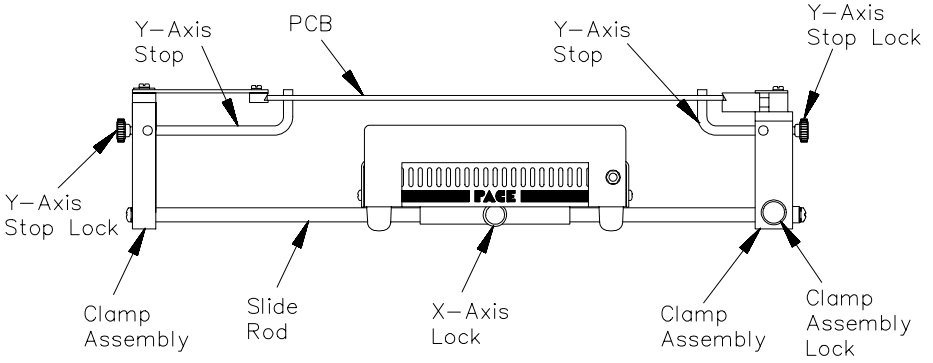
The Large Board Holder is very easy to use. Following is a simple operation procedure.

1. Turn the X-Axis lock clockwise to lock the Slide Rods in place.
2. Depress and hold the Clamp Assembly Lock button. Adjust the position of the Clamp Assembly to allow placement of the PCB assembly onto the Clamp Assemblies.
3. Position the edges of the PCB assembly into the “V” shaped grooves as shown.
4. Push the Clamp Assembly (with Clamp Assembly Lock) gently to the Left to apply a slight holding pressure to the PCB assembly.
5. Release the Clamp Assembly Lock button.
6. Turn the X-Axis Lock counterclockwise to allow movement of the Slide Rods.
7. Center the PCB assembly over the heater unit hot plate in the following manner.
 - a) Move the Clamp Assemblies (locked in position on Slide Rods) side to side to adjust X-Axis position.
 - b) Move PCB assembly front to back to adjust Y-Axis position.

NOTE

You may find it necessary to adjust the Y-Axis Stops. Loosen the Y-Axis Stop Locks and slide Y-Axis Stops back and out of the way.

8. Turn the X-Axis lock clockwise to lock the Slide Rods in place.
9. Position the Y-Axis Stops against the rear edge of the PCB assembly. Lock in place using the Y-Axis Stop Locks. This is the memory retention feature. Subsequent installation of the same or like PCB assemblies can now be performed without readjustment of the Large Board Holder assembly.



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