Replacing the Operation Buttons on ThermoFlex Mid II

Product

ThermoFlex® Mid II platesetter

Background

This procedure describes how to replace the override button and the drum rotation switch on the operation bar, and the operation buttons on the operation panel for ThermoFlex Mid II. To replace the buttons, you need a special jig. (This jig is not required to replace the drum rotation switch.

Requirements

- Operation buttons replacement jig (part number 690-00784A)



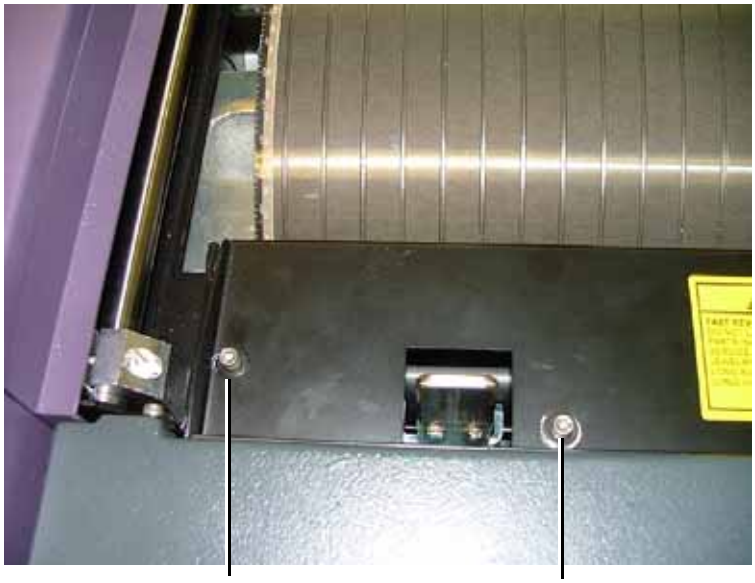
Procedure

Removing the Buttons

1. In ThermoFlex Controller, open the loading table.
2. Quit ThermoFlex Controller, turn off the platesetter, and disconnect the main power supply.
3. Open the front panel.

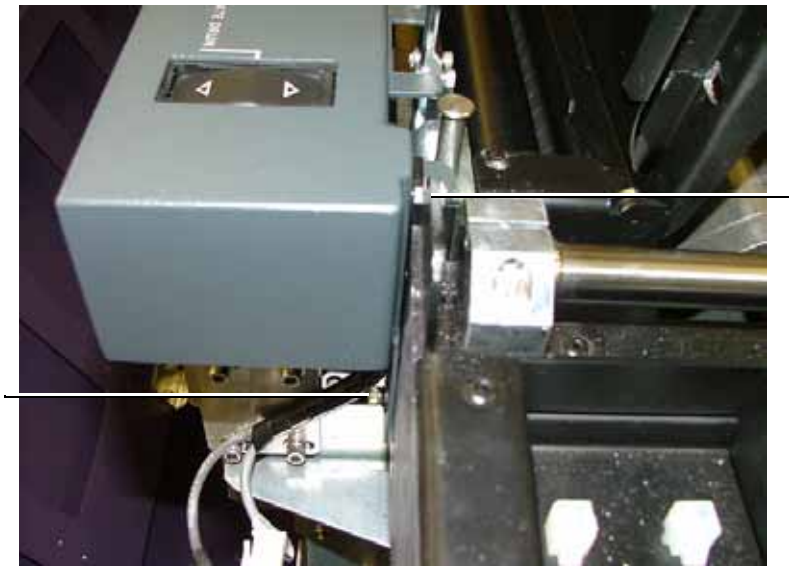
To remove the override button and drum rotation switch:

1. With a hex key, remove the two hex screws on each side of the spreader protector guide and open the guide.





2. Remove the two hex screws on each side of the operation bar.



Spreader protector panel screws

3. On the right side of the platesetter, disconnect the override button detector connector, and the load/unload button detector connector.

4. To access the override button, remove the four cross-head screws on the right side of the operation bar, and pull out the button cover.



Four cross-head screws

5. Remove the cable ties and remove the drum rotation switch.

Note: You do not need the jig to remove the drum rotation switch, but you will need the jig to remove the override button.



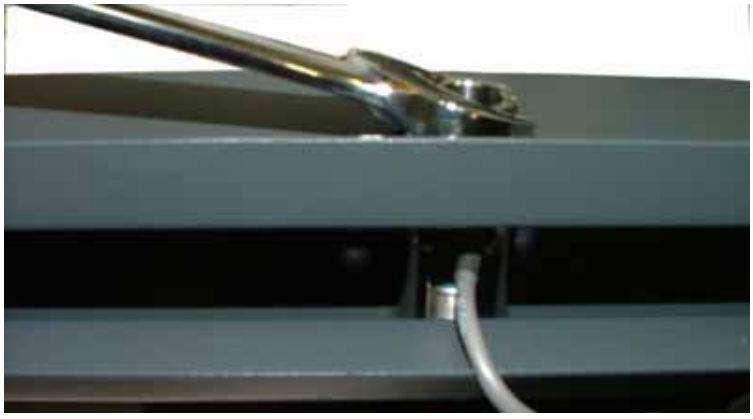
Drum rotation switch

6. Attach the jig to the override button, making sure that the wiring goes through the entire jig, as shown.

Note: In order to show the wiring threaded through the jig, the following figure shows the button out of its location.



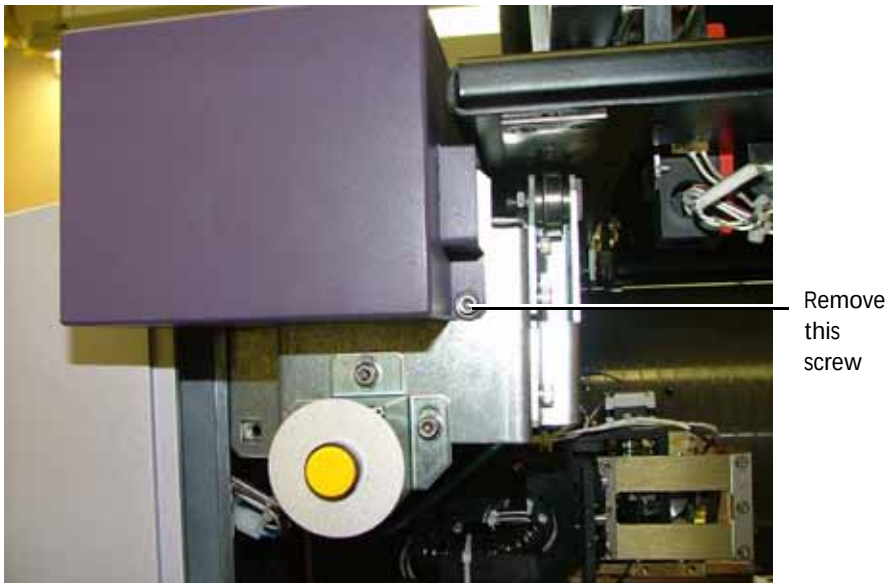
7. With an open wrench, carefully turn the jig until the button is released.



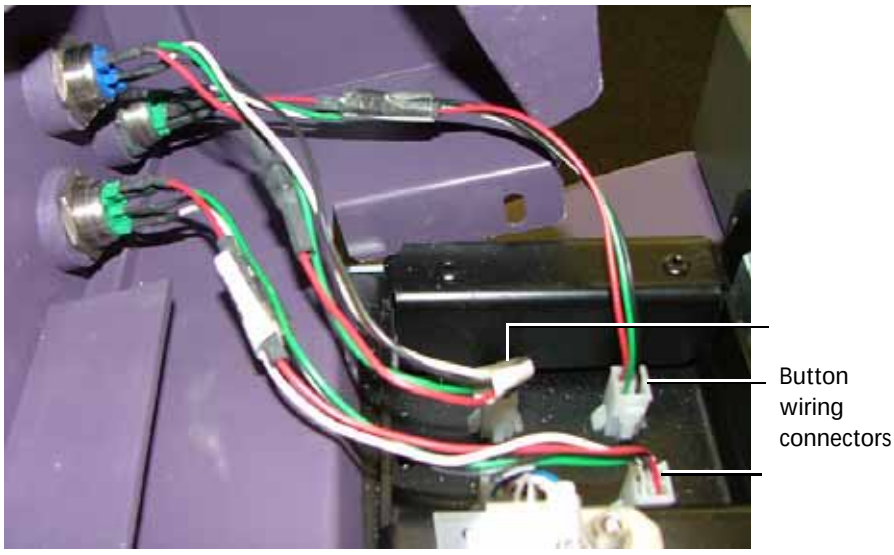
To remove the operation buttons:

1. Open the right side door.
2. Open the service door.
3. On the upper rear panel, open the four hex screws and remove the panel. This step is necessary to enable access to one of the screws that secures the side operation panel.

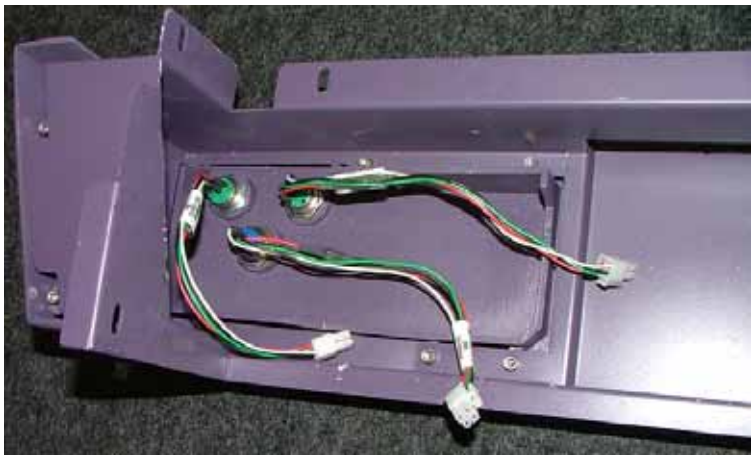
4. From the back of the platesetter, remove the hex screw on the back of the side operation panel.



5. Remove the other five hex screws on the side operation panel.
6. Note that the wiring connectors for the three buttons are parallel to their positions on the panel. Disconnect the three button wiring connectors.



7. Remove the side operation panel.



8. For each button, insert the jig into the operation button hole, making sure that the wiring goes through the entire jig, as shown.



Note: To release the drum rotation switches, you do not need the special jig.

9. With an open wrench, carefully turn the jig until the button is released.



Installing the Buttons

To Install the operation buttons

1. Insert a rubber washer on the button threading.

Important: If you do not insert a rubber washer, you will not be able to remove the button.

2. Thread the button and its wiring into the jig, as shown on page 4, and insert the button in place.
3. With the jig, carefully tighten the button in place.
4. Install the side operation panel.
5. Connect the button wiring connector.
6. Install the side operation panel and secure it with the three hex screws.
7. From the back of the platesetter, insert and tighten the hex screw on the back of the side operation panel.
8. Install the upper rear panel and secure it with the four hex screws.

To install the override button

1. Insert a rubber washer on the button threading.

Important: If you do not insert a rubber washer, you will not be able to remove the button.

2. Thread the button and its wiring into the jig, as shown on page 4, and insert the button in place.
3. With the jig, carefully tighten the button in place.
4. Insert the button cover, insert the operation bar, and tighten the four cross-head screws on the operation bar.

5. On the right side of the platesetter, connect the override button detector connector, and the load/unload button detector connector.
6. Install the operation bar and secure it with two hex screws on each side.
7. Install the spreader protector guide and secure it with the two hex screws on each side.

Testing the Operation Button Installation

- Load and unload several plates to confirm that the operation buttons operate smoothly.