

Installation of 7-Wide Gum and Mint Tray for AP 7000, 113, 122, 122 A, B, and C

Important Note: Please read all instructions thoroughly before continuing with installation of kit.

Tools Needed
Phillips Screwdriver OR Cordless Drill with Phillips bit
1/8" Drill Bit and Cordless Drill
Portable Light
Pliers

WARNING: Prior to installation, turn the power off to the vending machine and unplug it from its power source.



Figure 1

Remove the bottom two trays directly above the old gum and mint tray.

To remove these two trays, release the white safety lock (Figure 1) on either side and slide them out of the machine.

Section I:

Important Note: Please read all instructions thoroughly before continuing with installation of kit.

For AP 7000, 113 and 123 follow instructions below. For AP 123A, 123B and 123C skip to Section II.

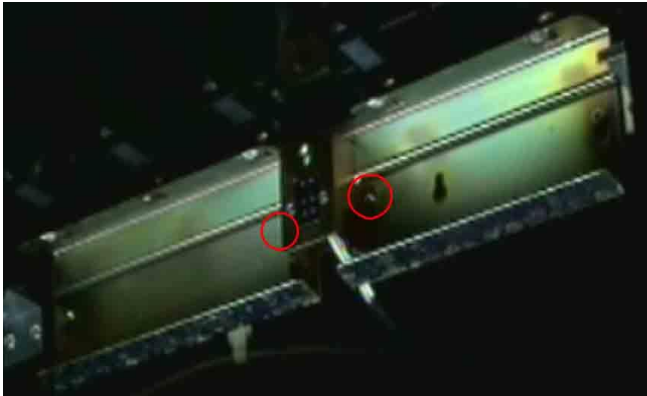


Figure 2

Harness (Figure 2)

To remove the gum and mint tray, locate the bracket that holds the factory harness in place. It's located underneath the tray. Remove the screws from the harness and let it hang.

Bracket (Figure 3)

Remove the screws from each side of the bracket and remove it. You can now slide the gum and mint tray out of the machine.



Figure 3

Section II:

For 123A, 123B, 123C

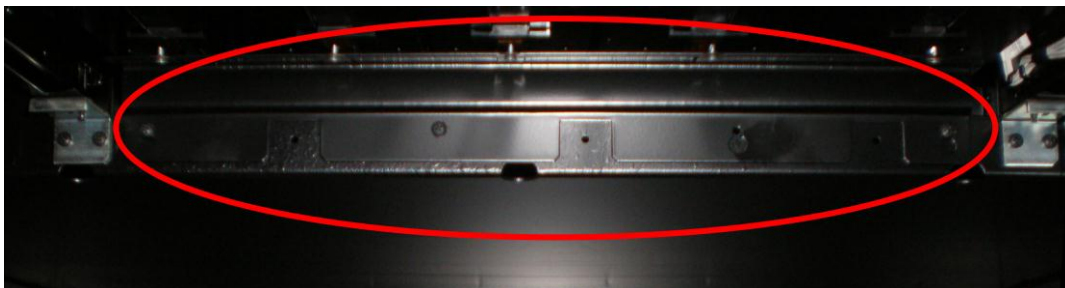


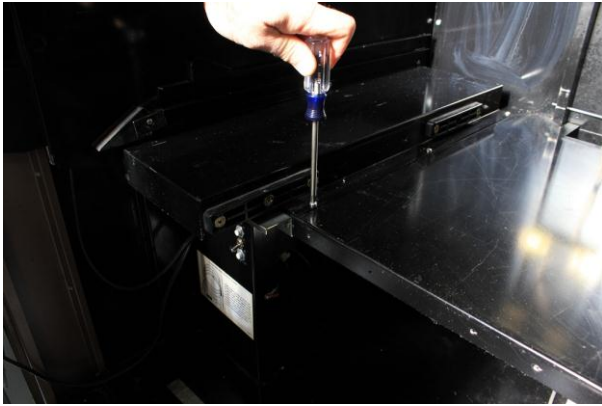
Figure 4

Remove the 4 screws under the old gum tray that hold it in place (Figure 4).

Then, slide the gum tray out of the machine.

Section III: Removing and relocating the left gum and mint tray guide rail

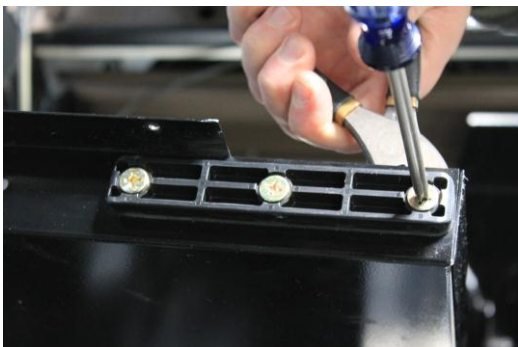
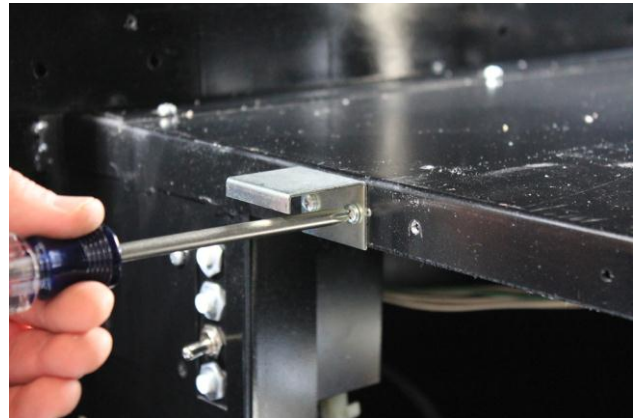
For: AP 7000 (Skip to page 5 for 113 and 123s)



If there is a block out plate on the spacer assembly, in the 7000, remove it.

Remove the spacer assembly from cabinet by removing sheet metal screws that hold unit to cabinet.

Remove the left side locking mechanism. You may discard the block out plate, spacer assembly, and locking mechanism.



Remove the plastic slides from the spacer assembly. Retain the bolts for future use.

Use the spacers brackets, supplied in the kit, to attach plastic slides. Use the retained bolts from original assembly (nut not needed, spacer pre-threaded). Only 2 bolts are needed per slide.



Use the bolt sticking through the back of the slide, to line up for drilling, after you insert into the holes.

Drill 2 holes, use the supplied XYZ screws to attach the new brackets. Repeat for the back bracket.

Ensure the spacers are sitting flush against the cabinet.



For: AP 113, 123, 123A, B, and C

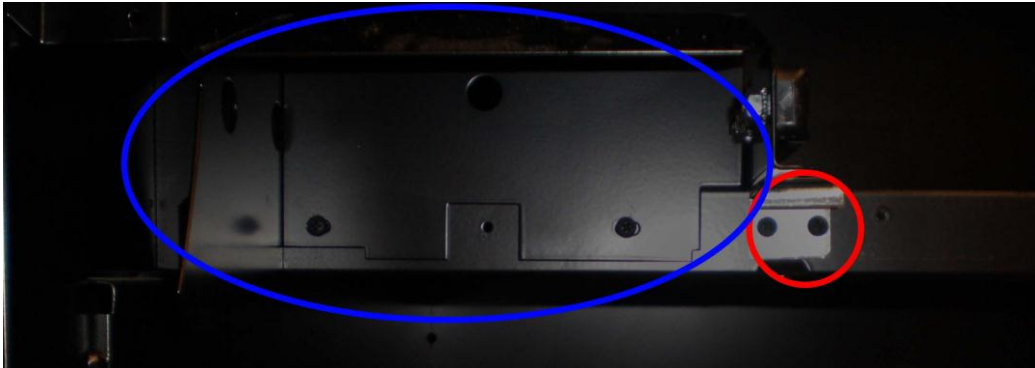


Figure 5

Take out the block out plate by removing the two screws located underneath the plate on the flange of the shelf (Circled in blue, Figure 5).

Remove the locking tab by taking out the two screws located underneath the tab on the flange of the shelf (Circled in red, Figure 5). Retain for later use.

The block out plate may be discarded as it is not needed for the installation.

Remove the guide rail from the cabinet by unscrewing the 4 screws holding it in place (Figure 6). You will be reusing these screws later.



Figure 6



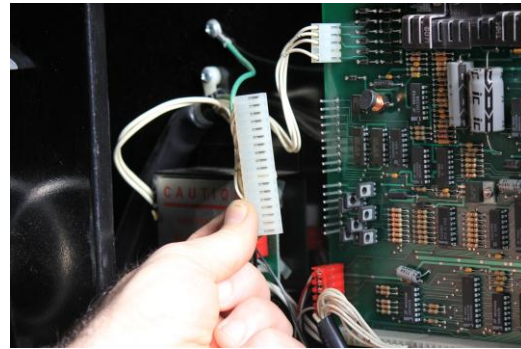
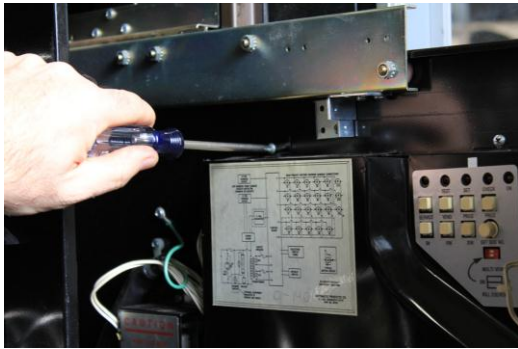
Figure 7

Reinstall the locking tab on the left side of the cabinet.
Slide the rail over to the bottom left side of the cabinet and line the screw holes in the rail with the screw holes on the cabinet. Replace the 4 screws to secure the rail into its new location (Figure 7).

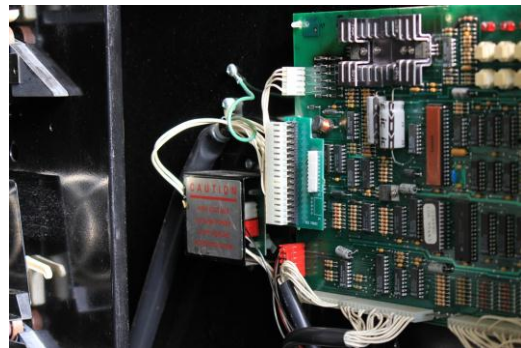
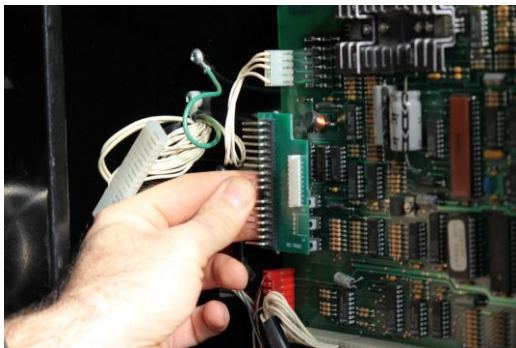
Section IV:

Installing the jumper board for AP 7000

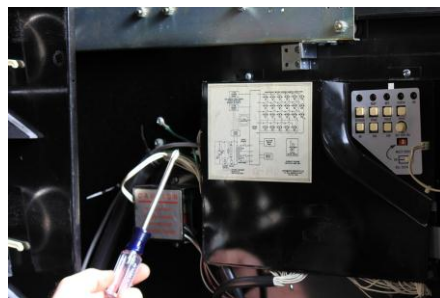
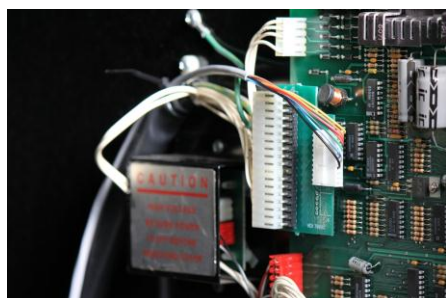
First, make sure the machine is powered off. Unplug the door switch, and remove the cover from the control board (Figure X). Remove the tray harness from the control board (Figure X).



Install the jumper board, supplied with kit, as shown in Figure X. Make sure the pins are facing to your left (as seen). Reattach the tray harness to the new jumper board (Figure X).



Attach the small end of the new 7th tray motor harness to the jumper board. Route the new tray harness following the main cable harness to the bottom of the cabinet, using supplied zip ties (Figure X). Put the cover back on with the retained screws and reattach the door switch.



The following section applies to installation on 113, 123, and 123A.
For 123B and 123C skip to Section V.

Open the inner door on the right side of the machine and locate the control board.



Figure 8

Unlock and remove the MDB Validator to access the wires on the control board (Figure 8).

For AP 113:

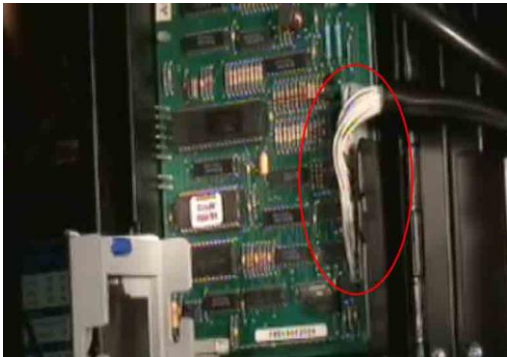


Figure 9A

Remove Control Board cover.

Detach the motor harness from the lower right-hand corner of the control board (Figure 9A).

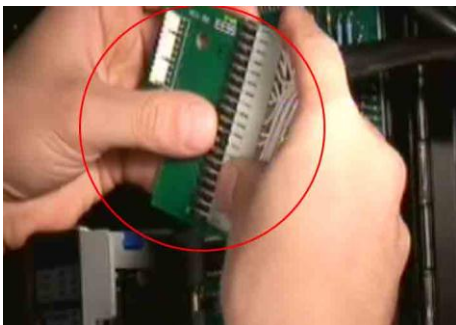


Figure 9B

Attach the motor harness to the jumper board included in the kit (Figure 9B).

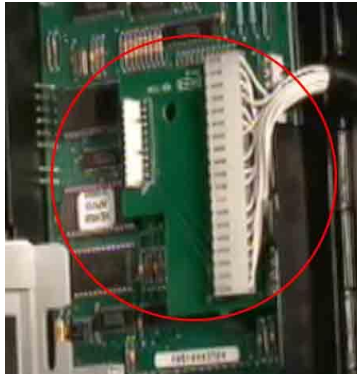


Figure 9C

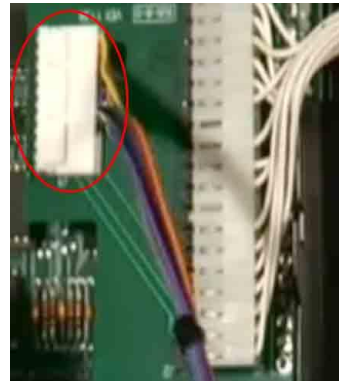


Figure 9D

Then, connect the jumper board to the pins where the motor harness was originally attached (Figure 9C).

Take the included cabinet harness, and attach the smaller end to the remaining connector pins on the jumper board (Figure 9D).

Reinstall control board cover.

For AP 123/123A:

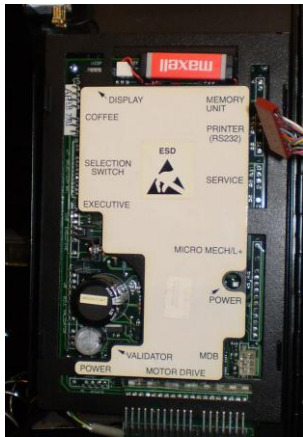


Figure 10A

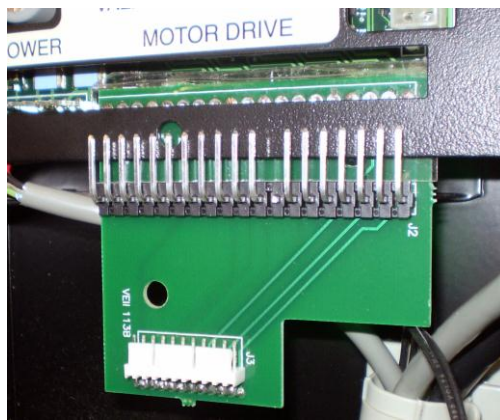


Figure 10B

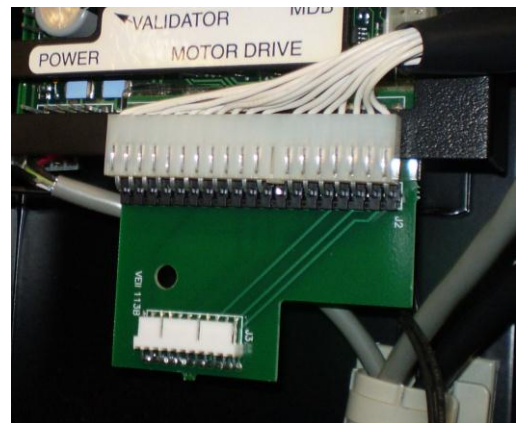


Figure 10C

Remove the control board cover (Figure 10A).

Attach the jumper board to the motor connector located at the bottom right-hand corner of the board.

Reattach the cover by, first, inserting the bottom lip of the cover between the pins and main assembly of the jumper board (Figure 10B).

Then, attach the motor harness to the jumper board (Figure 10C).

Take the included cabinet harness, and attach the smaller end to the remaining connector pins on the jumper board.

Route the new gum and mint tray cabinet harness behind the inner door and let it fall to the bottom shelf. Use wire ties to neatly secure to harness to the machine.

For 7000, 113, 123:



Figure 11

Move the factory cabinet harness from the plastic mount and use a wire tie to adhere it to the channel at the back of the machine (Figure 11).

Then, use a scraper to remove the plastic mount.

Use the alcohol swab to clean the area where the plastic mount was removed. This is where you will attach the new harness bracket.

Continue to page 7.

For 123 A:

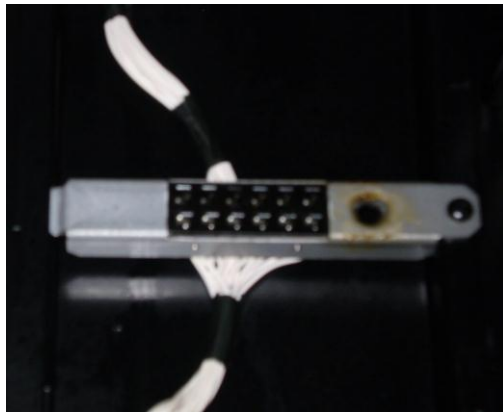


Figure 12A



Figure 12B

You will need to remove and relocate the old gum and mint tray cabinet bracket in order to install the new cabinet bracket in its place (Figure 12A).

Unscrew the old bracket from its position on the wall behind the gum tray shelf.

Vertically position it to the guide rail left of the channel (Figure 12B). While holding the bracket in place, drill a 1/8" hole through the original screw hole and the back of the machine.

Screw it into place with one of the self tapping Phillips screws provided in the kit.

Attach the mini fit junior connector to the new cabinet bracket as shown (Figure 13).

Slide the new tray half-way into the machine.

Remove the backings from the 2 pieces of double-sided tape on the new cabinet bracket.



Figure 13

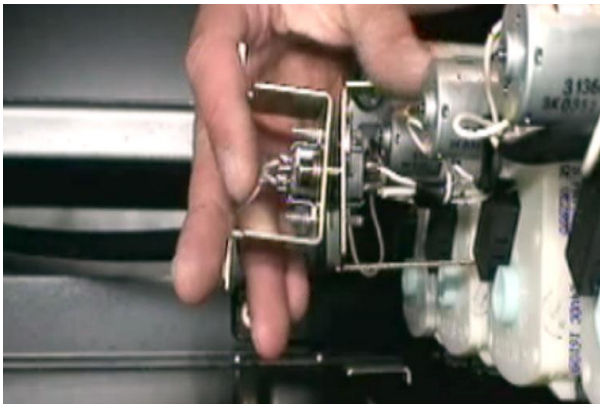


Figure 14

Position and attach the new cabinet bracket on the back of the tray (Figure 14).

Now, glide the gum tray fully into position.

Apply pressure to the tray to make sure that the connector adheres to the back of the machine. Slide the tray back out of the machine and briefly move it out of the way.

The cabinet bracket is now positioned and in place.



Figure 15

While carefully holding the bracket, drill two 1/8" size holes, each in opposite corners from one another, through existing holes in the bracket and the back of the machine (Figure 15).

Take two Phillips self tapping screws supplied in the kit and use them to securely attach the bracket to the back of the machine.

Slide the gum and mint tray back into the machine.

Section V:

For AP 123B and 123C:

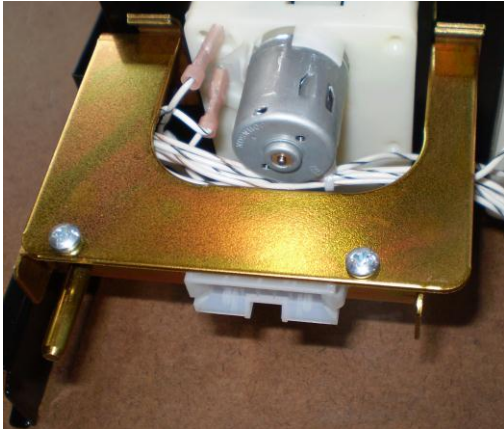


Figure 16

Since your new tray already has the harness and factory plug installed, you should be able to simply slide the new tray into place.

However, since there is variation between machines, it may be necessary to adjust the plug mount bracket (Figure 16) up and down by applying enough pressure to slightly bend it so that a good connection is made with the cabinet plug.

Section VI:



Figure 17

Open the vending machine and clean the dust off the inside wall of the drop bucket closest to you. The label is made to fit exactly inside of the vend bucket, so you can start applying it to either side of the vend bucket.



Figure 18

Determine which of the two provided product labels you will need to attach to the machine.

Position the label as shown (Figure 17).

Next, attach a price sticker next to each of the product numbers as shown (Figure 18).

Section VII:

Adjusting the gap between the door and the new gum tray

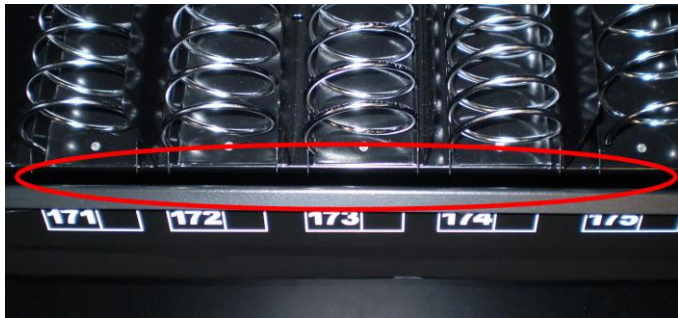


Figure 19A

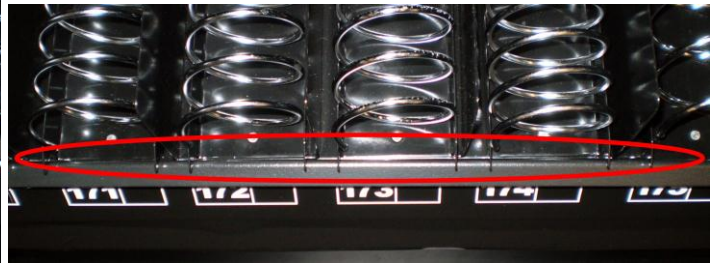


Figure 19B

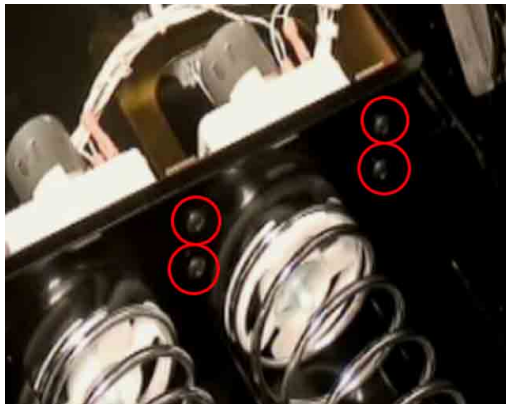


Figure 20

Close the machine door. Look at the spacing between the drop bucket and the new gum tray (Figures 19A and 19B) to determine whether the gap is too large (and needs shims added) or is too tight (and needs shims removed). There are four shims already installed and four extras included with the kit.

To Adjust:

Pull the gum tray out and locate the 4 screws at the back of the right most motor (Figure 20).

Use a Phillips screwdriver to loosen these 4 screws.

To Lessen the Gap:

Take the provided shims and install them, 1 on each side, between the back of the tray and the mounting bracket (Figure 21).

Tighten the 4 screws.

Repeat again if necessary.

If the door fits too tight:

Shims will need to be removed. Remove 1 shim on each side.

Tighten the 4 screws. Repeat again if necessary.



Figure 21

Please Note: An equal amount of shims must be used on both sides of the bracket to allow the tray plug and the cabinet plug to properly connect.

The installation of the 7-Wide Gum and Mint Tray for AP Snack Machines is complete.

Proceed to plug in and turn on your machine to test the new gum and mint tray.