AMERICAN CHANGER & HOFFMAN MINT
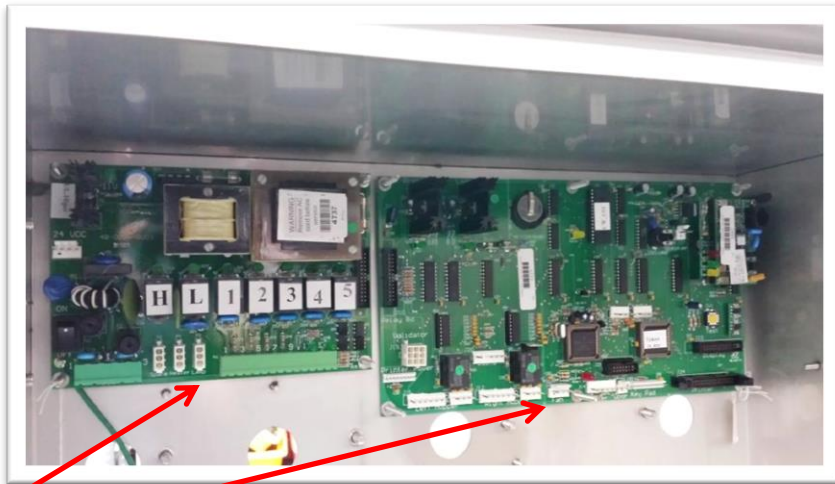
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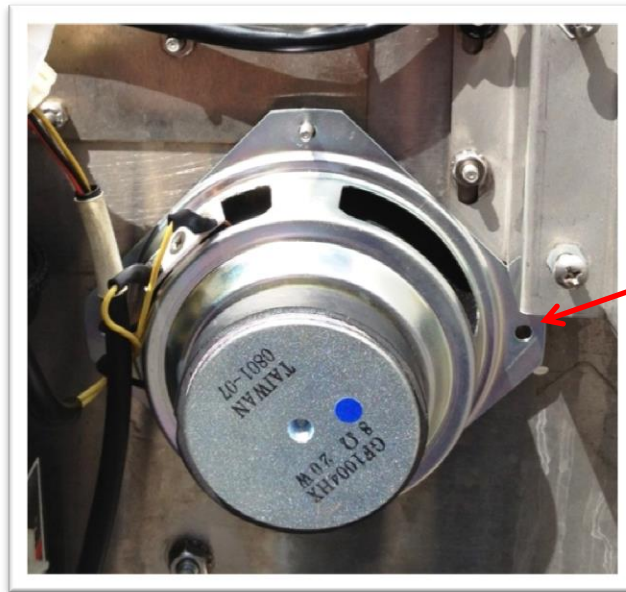www.americanchanger.com   www.hoffmanmint.com

PayStation Flex System Installation Guide

Step 1: Remove main board, relay board, power supply, speaker, fan, and display.

Relay Board and Main Board respectively

New speaker installed in a machine made before December of 2004. From that point forward the speaker was installed in a metal box and mounted on the door.

Step 2: Remove all harnesses inside of the cabinet except for the validator harness, hopper harnesses, printer harnesses, and the door switch harness.

Step 3: In the location in which the main board was removed from; install the plate containing the Flex Board. Optional adaptor boards are shown in the below picture.
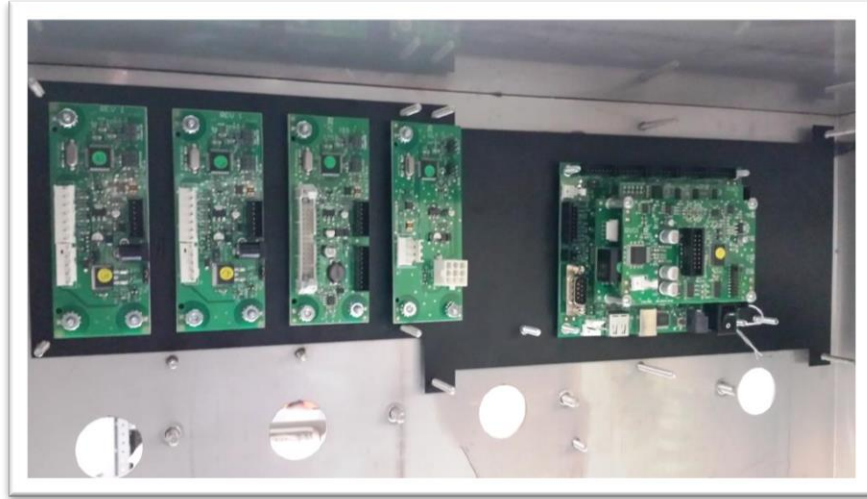
Step 4: In the location in which the power supply was removed from; install the plate containing the power supply.

Step 5: Open the display case by removing the screws on the back of the display. The display is sealed. A flat head screw driver may be required to remove the back plate. Remove the keypad harness. It will look like the image below.
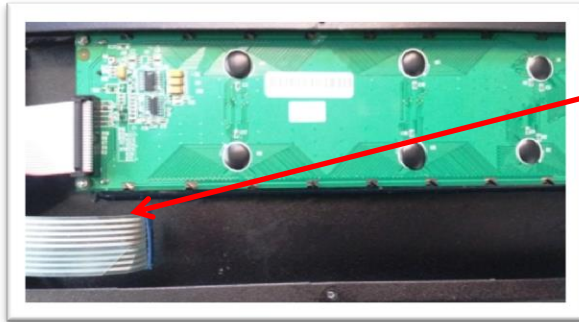

The keypad harness

is connected here.

Step 6: Remove the backing of the Velcro and stick the I/O Board to the inside of display case.

Step 7: Connect harness from I/O Board to the keypad. Harness part # is AC8001.5-H. Put the AC1078-UTDB-H harness through the exit in the back plate and close the display. Before screwing the back plate on to the case; be sure to add a coat of sealant to reseal the display case. Reinstall the display on to the door and add a coat of sealant between the display and the door.
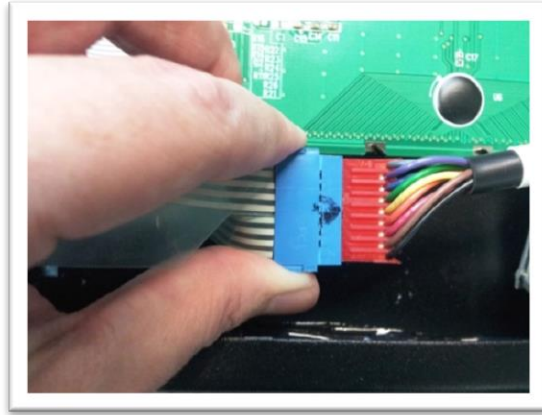
Step 8: Place the Tran Unit flat on the floor of the cabinet. Connect the beige color communication cable, Ethernet cable/phone line, and then connect the power adaptor.

IP Tran Connections

Ethernet cable   Communication Cable   Power
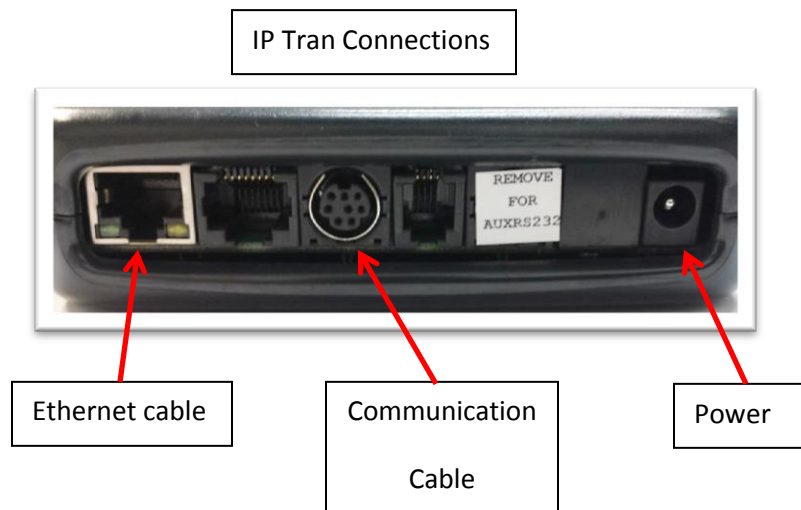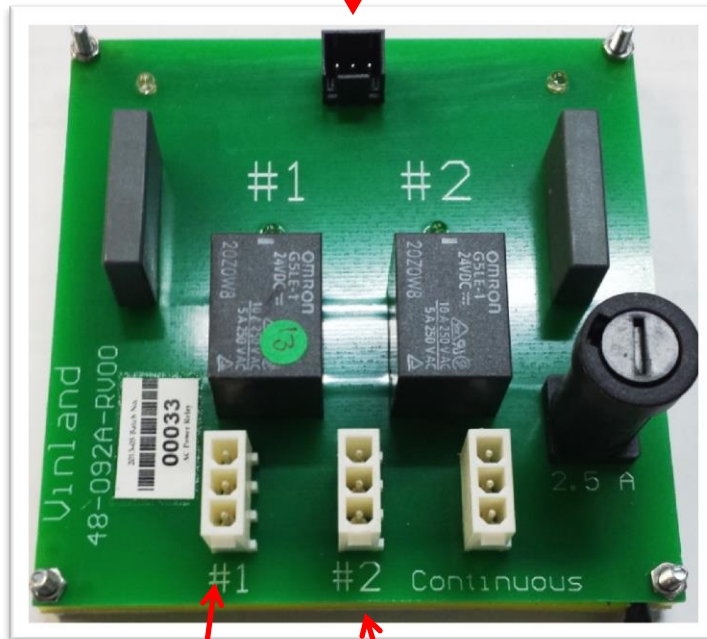
Dial Tran Connections

Communication Cable

Phone Line

Power

Step 9: Connect your heater into "#2" and marquee into "#1" on the power board.
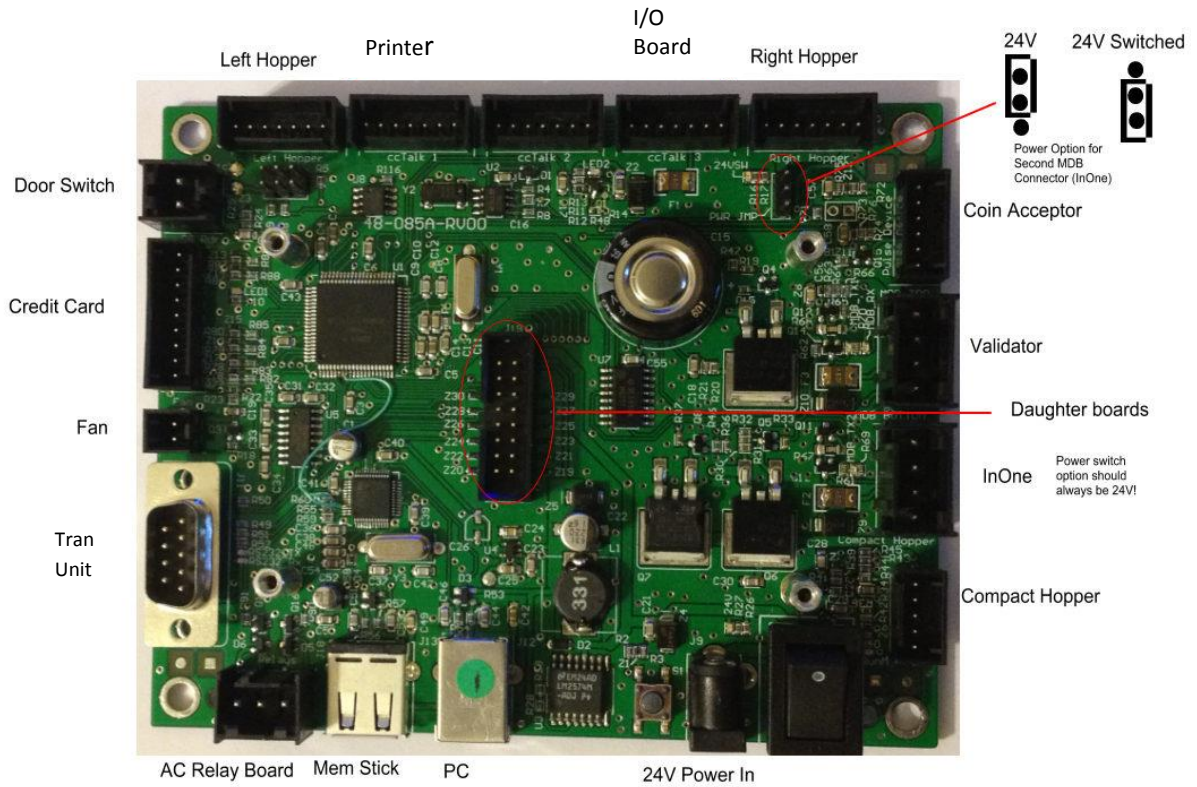
Harness to the main board

Marquee
*If applicable

Heater

Step 10: Use the below picture to help with connecting the components to the main board.

Step 11: Connect your new speaker to the Voice Board.

Speaker connector.

Angled view of Flex Board with the Relay Board and Voice Board attached.
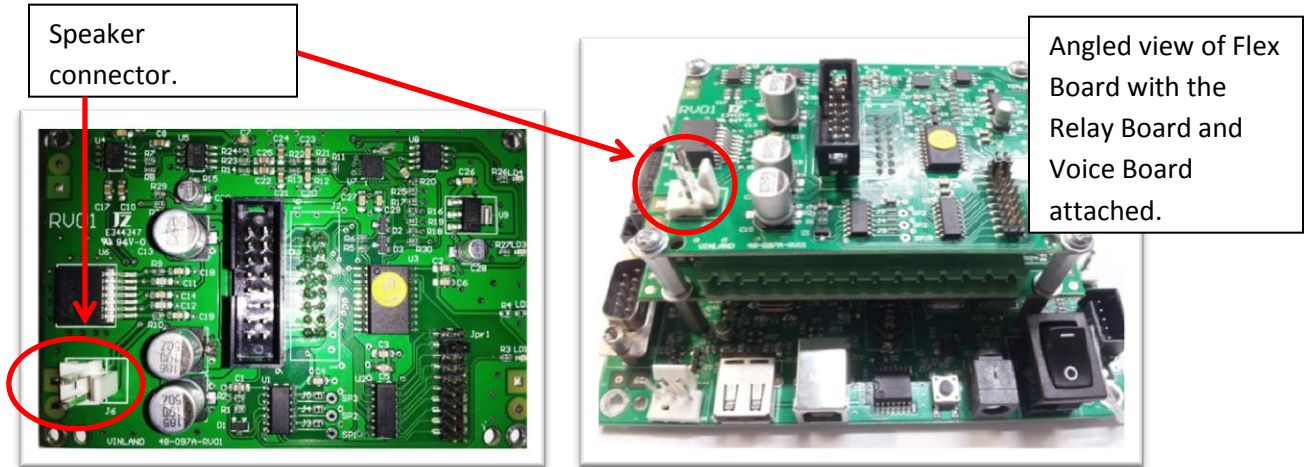
Step 12: Connect the 14 pin terminal block connector with the carwash inputs to the Relay Board. Use the wiring diagram on the next pageif you need help connecting the carwash to the relay board.

Terminal block connector.

Angled view of Flex Board with the Relay Board and Voice Board attached.
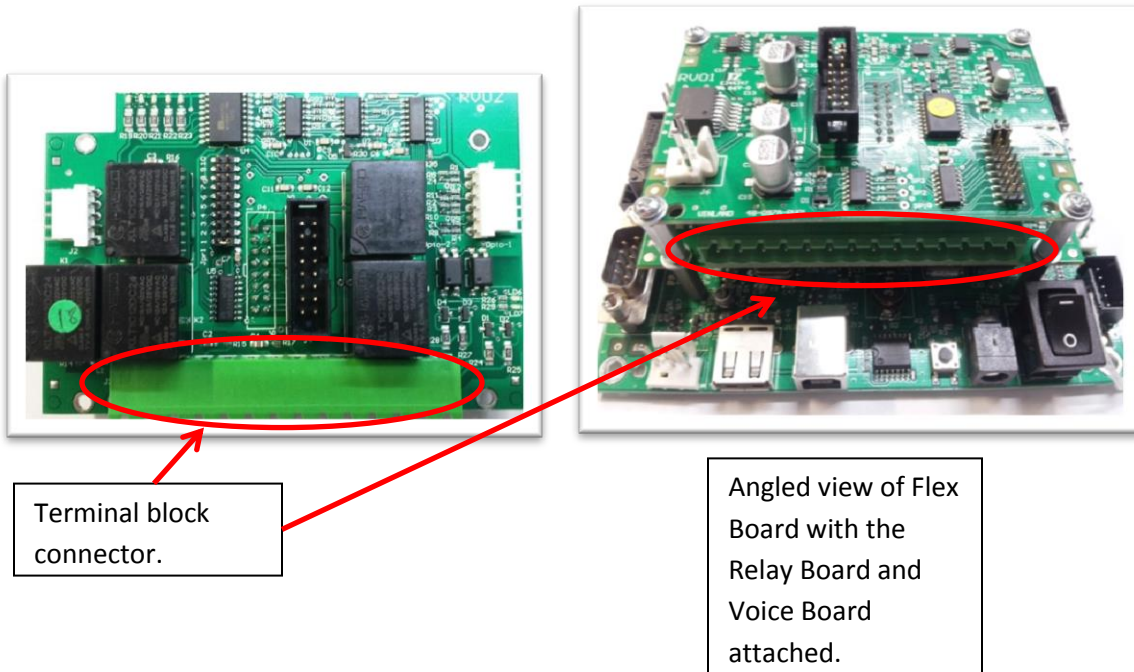
PayStation to CarWash Connections

Car Wash I-O Connector

Wash Type Selection

Jumpers
1 2 3 4

P6

|	
Relay_1 Signal	1
Relay_1 Common	2
Relay_2 Signal	3
Relay_2 Common	4
Relay_3 Signal	5
Relay_3 Common	6
Relay_4 Signal	7
Relay_4 Common	8
Relay_5 Signal	9
Relay_5 Common	10
Opto_1 Signal	11
Opto_1 Common	12
Opto_2 Signal	13
Opto_2 Common	14

K1 K2 K3 K4 K5

Notes for Relay 5:
It is always closed when PayStation is OK
Except in Relay-Reset protocol, then:
It is used to trigger the "Busy" relay

Note: Relays 1-4 commons are jumpered on the board
Jumpers can be cut if isolated relays wanted
Jumper #5 should be missing

BR1

24 V AC or DC "Busy Signal"

AC +
AC -

4 1 R1 U1

3 2 OPTO ISOLATOR

BR2

24 V AC or DC "OK Signal"

AC +
AC -

4 1 R2 U2

3 2 OPTO ISOLATOR

Additional steps for connecting optional adaptor boards

This section details how to connect adaptor boards to the main board. Adaptor boards are not shipped with all orders. These boards will often already have the necessary harnesses attached to them. All that will be needed is to connect the component to the adaptor board. If you did not receive any adaptor boards with your order then you do not need to read this section.

Step 13: Connect the hopper plate harness to the hopper adaptor board. Then connect the harness that was already attached to the adaptor board to the main board.

Connect hopper plate here.

Harness to main board connects here.
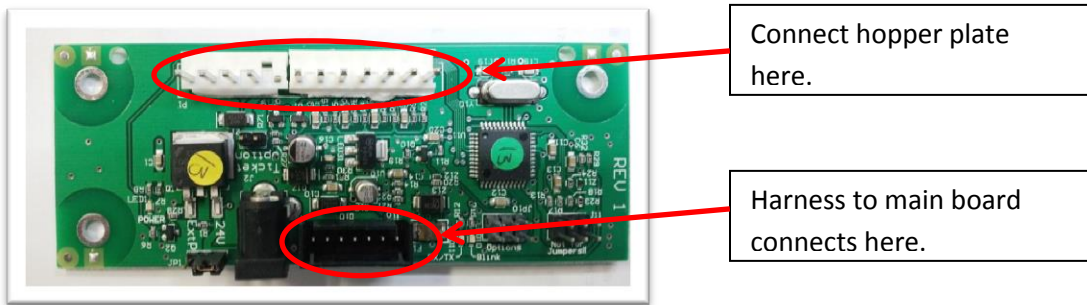
Step 14: Connect the flat "ribbon" style harness from your printer to the adaptor board. Then do the same for the power harness. Again connect the harness that is already attached to the adaptor board to the main board.

Connect power harness here.

Harness to main board connects here.

Connect ribbon harness here.
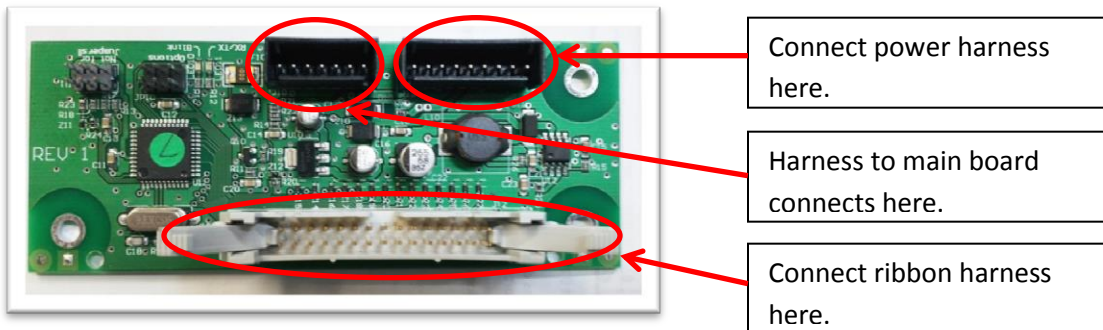
Step 15: Connect the validator harness to the adaptor board. Then connect the harness that is already attached to the adaptor board to the main board.
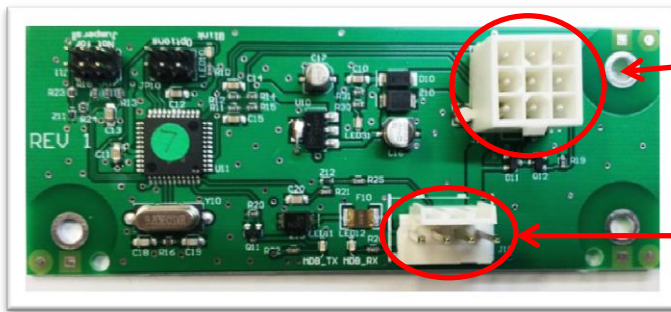
Connect the validator harness here.

Harness to main board connects here.