

NV GOLD Pull Tab Redemption Kit Installation Manual

1. Open the lower door and remove the bill acceptor
2. Remove the screws from the hinge and set the lower door aside

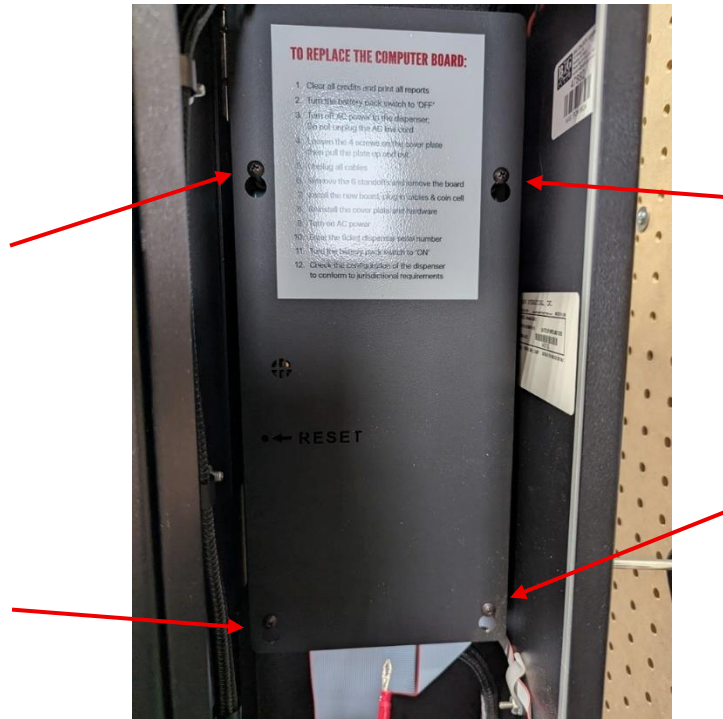


3. Open the upper door and remove the display / keypad assembly
*** IMPORTANT: Be sure to disconnect the grey ribbon cable

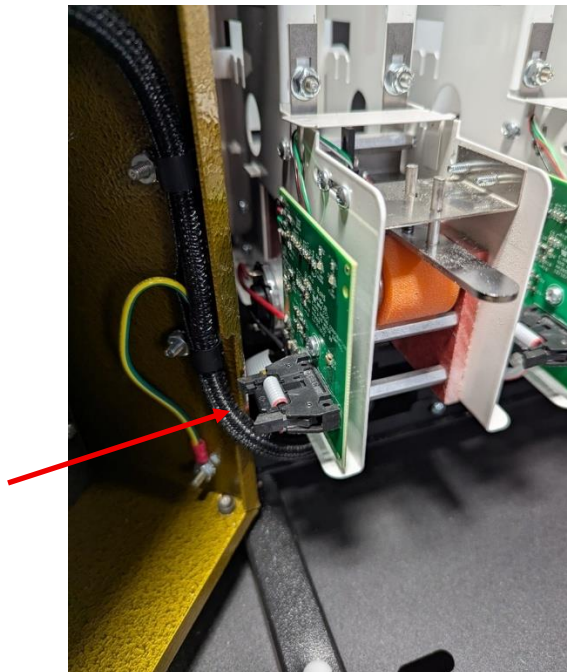


4. Remove the screws from the hinge and set the upper door aside

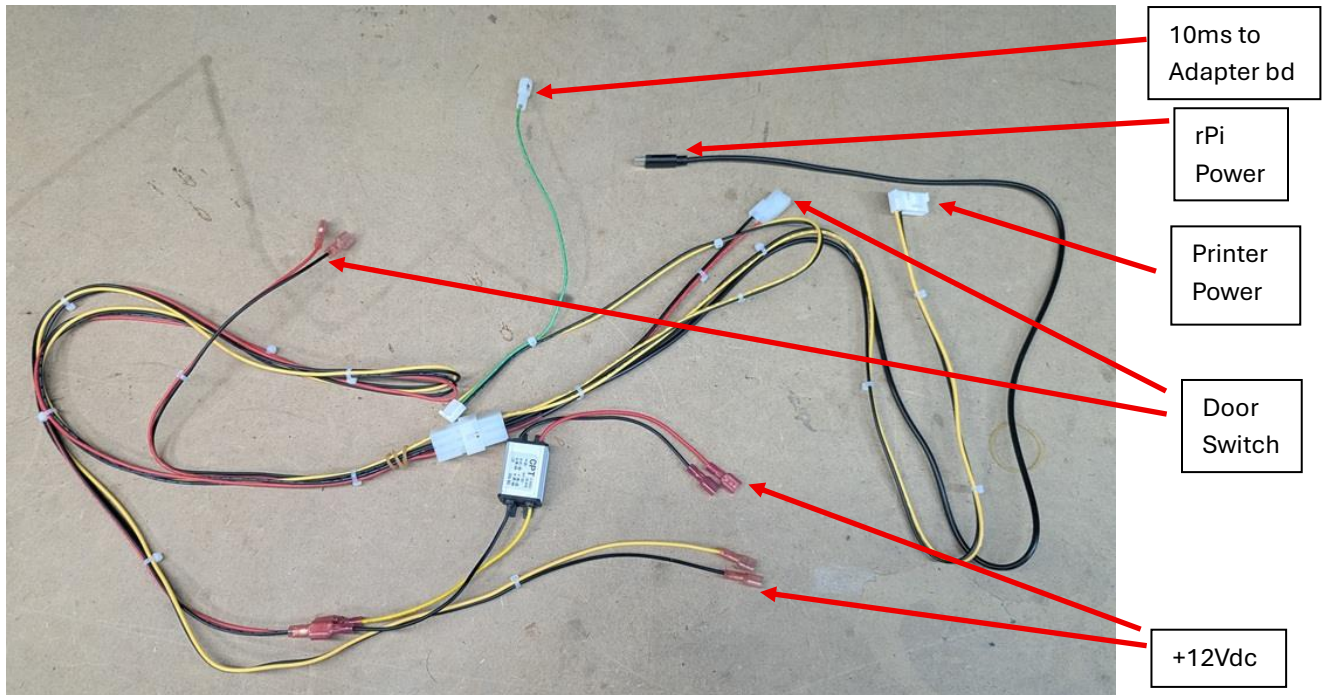
5. Remove the lock cylinders from each door and install into the new doors
6. Install the replacement latch in the new lower door.
7. Loosen the screws holding the metal cover over the main board



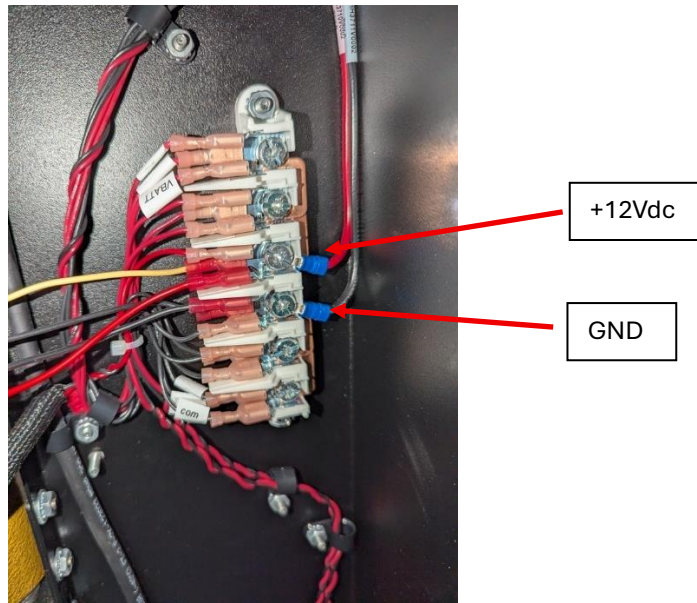
8. Remove the metal cover and set aside
9. Open the door to the columns
10. Starting with the left-most column, disconnect the ribbon cable on the bottom left of the column then remove the column.



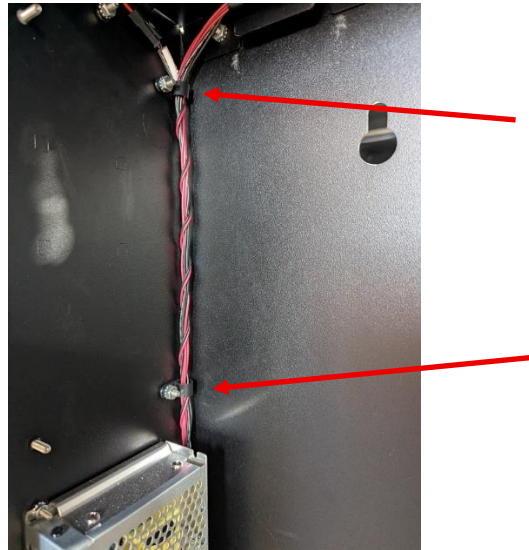
11. Continue with each column, moving left to right, until all columns are removed
12. Remove the 3 nuts on the back of the column mount then remove the 2 screws at the front of the column mount.
13. Disconnect the bill acceptor cable from the I/O board and set aside.
14. Install the new bill acceptor cable into the I/O board.
15. Reinstall the column mount
16. Install the NVG power harness



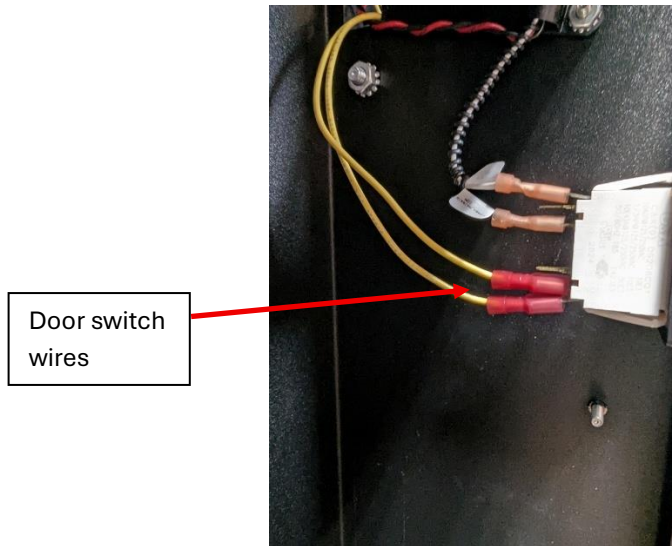
- a. Connect the quick connects to the +12V terminals



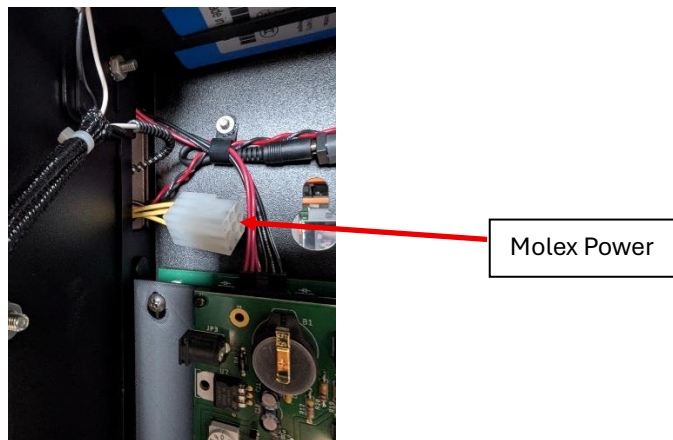
- b. Route the harness over the top of the columns using the existing cable mounts to secure the harness. Alternatively, use cable ties to mount the power harness to the existing harness.



- c. Connect the door switch wires to the door switch.



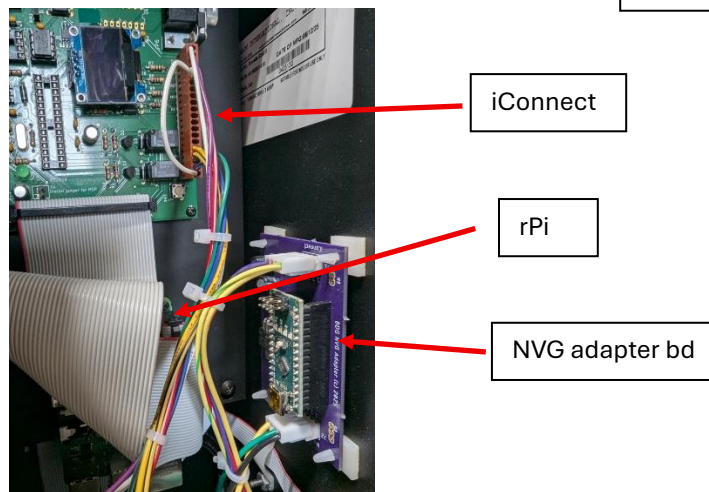
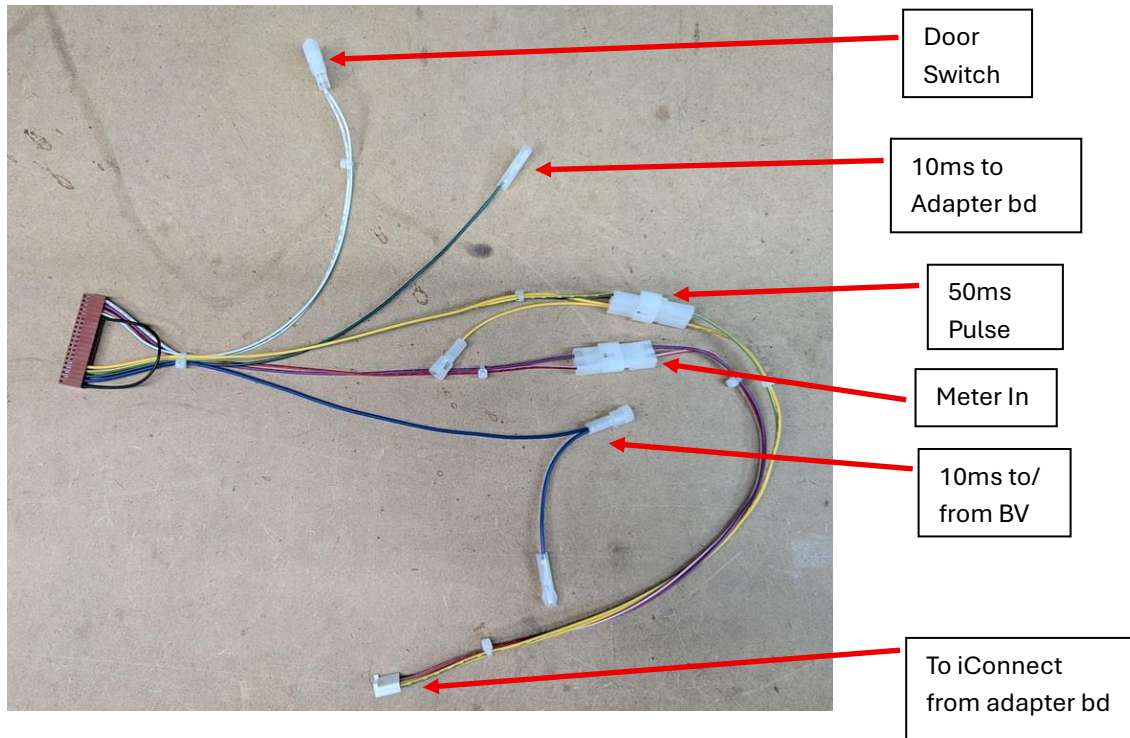
Route the power harness through the hole to the other side of the dispenser



17. Reinstall the columns starting with the right-most column.
 - a. Reinstall the ribbon cable on each column
18. Mount the plate with the iConnect board and Raspberry Pi over the main board.
 - a. The Raspberry Pi must be at the bottom



19. Install the iConnect harness



20. Mount the NVG adapter board

- a. Connect the iConnect cable to the NVG adapter board
- b. Connect the NVG power connector to the adapter board.

21. Connect the meter wires and pulse wires from the iConnect harness to the harness connected to the NVG adapter board iConnect side

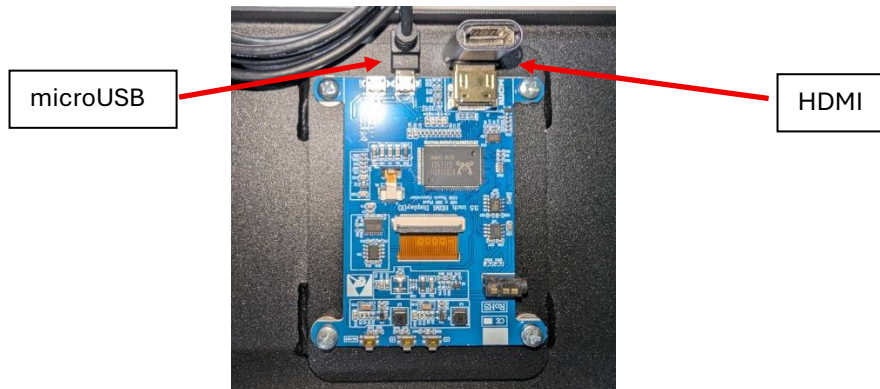
22. Install the replacement upper door
 - a. Reinstall the display / keypad

***NOTE: You may have to drill out two of the holes on the display so it can be installed into the new door

- b. Reinstall the ribbon cable before mounting the display/keypad



- c. Connect the HDMI and mini-USB cables to the SideCar display
 - d. Remove the screen protector from the display
 - e. Mount the SideCar display to the upper door



- f. Connect the HDMI and mini-USB cable to the rPi

23. Install the replacement lower door

- a. Use the screws from the original door to mount the new door



24. Install the barcode scanner

- a. Connect the USB-C cable from the scanner to the rPi



25. Install the printer into the lower door.

- a. Load the paper into the printer
- b. Install the printer using the supplied hardware.



26. Install the Bill Acceptor

- a. Install the bill acceptor cable
- b. Mount the bill acceptor using the original hardware.



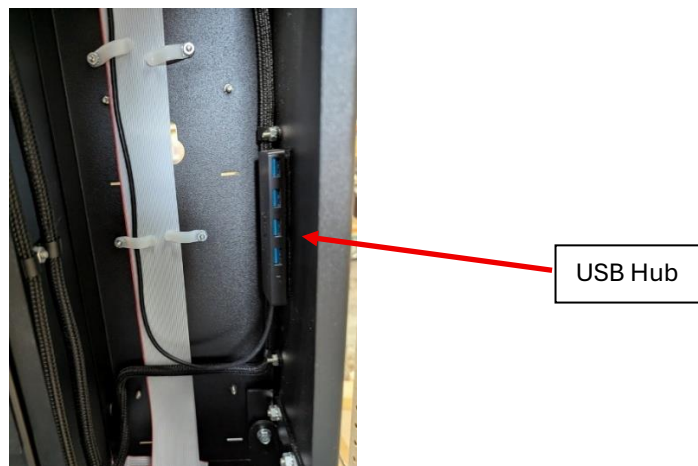
27. Connect the second part of the power harness

28. Connect the printer and rPi power

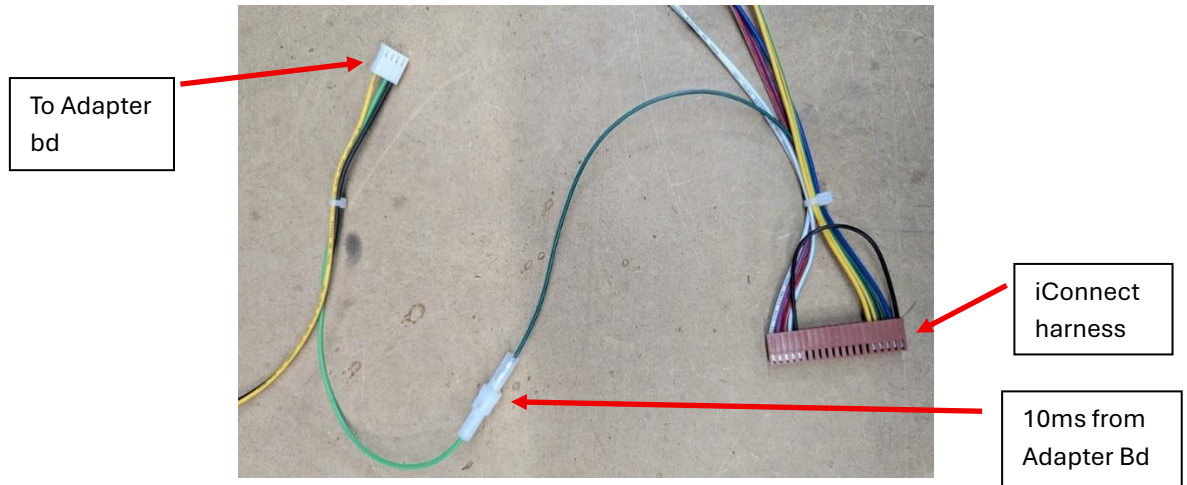


29. Mount the USB hub to the inside, right wall of the dispenser behind the lower door.

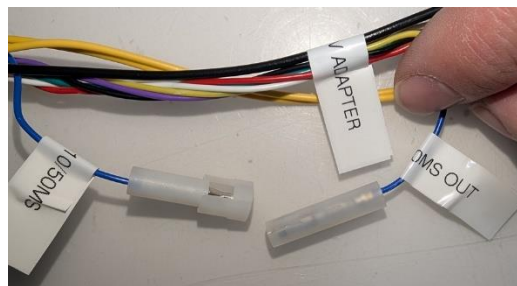
- a. Install the backup drive



30. Plug the USB to Serial adapter into the rPi
 - a. Plug the serial cable into the printer
31. Connect the green wire from the iConnect harness (pin 18) to the green wire on the NV Gold connector to the Adapter Board.



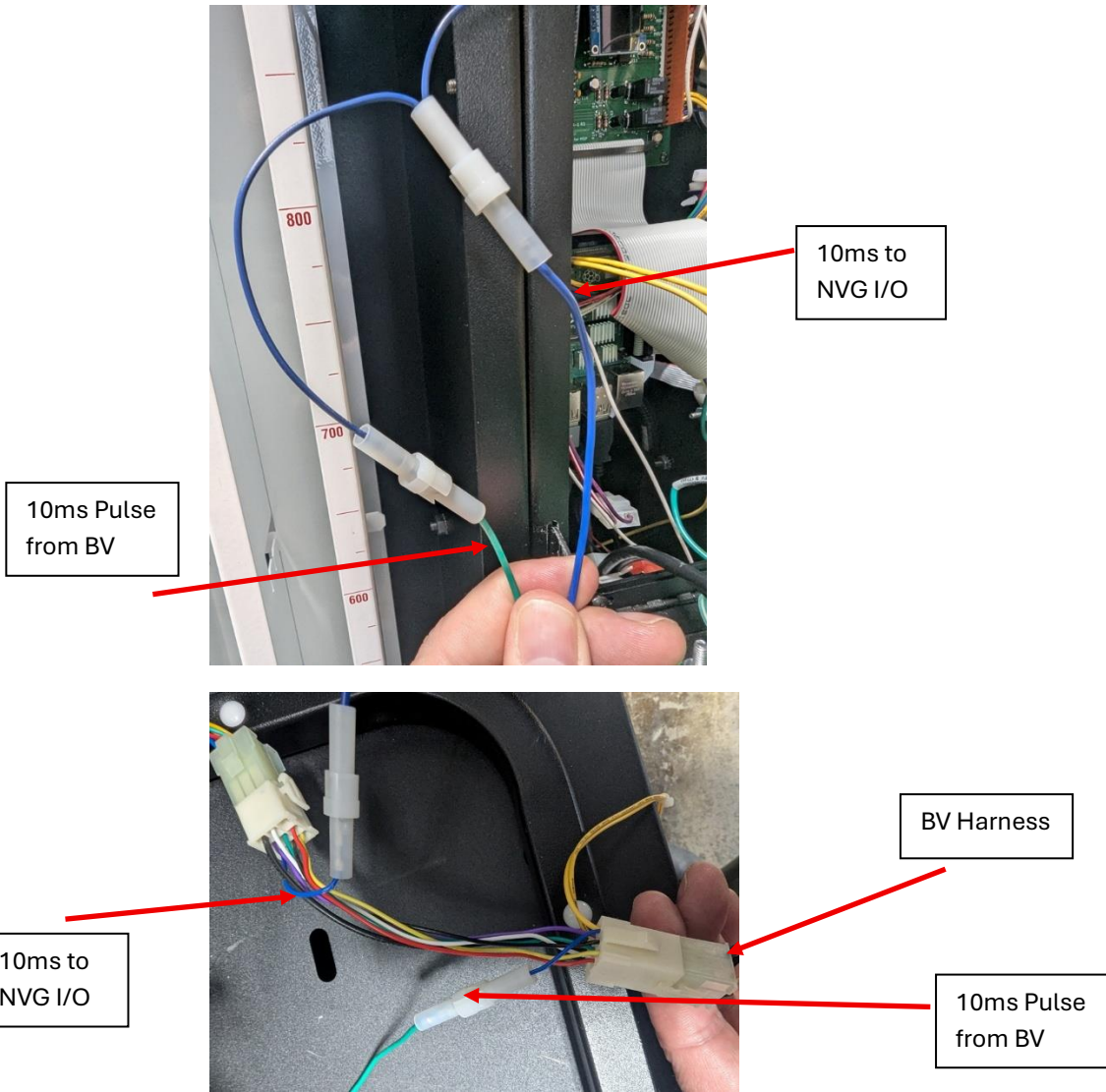
32. Install the BV adapter cable between the I/O cable and Bill Acceptor cable
33. Split the blue wire on the BV adapter cable



34. Connect the blue wires on the BV adapter cable to the iConnect and NVG Adapter wires.

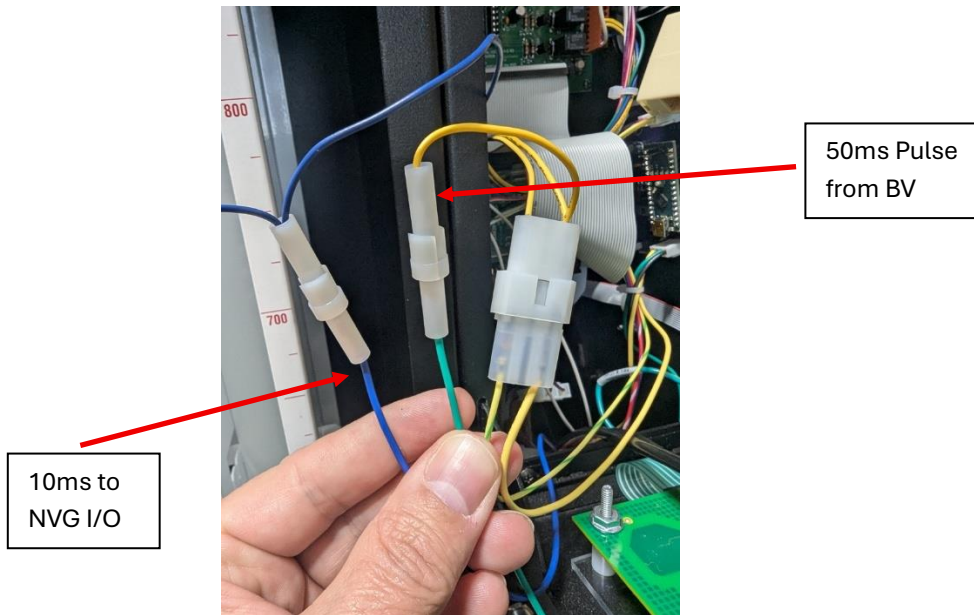
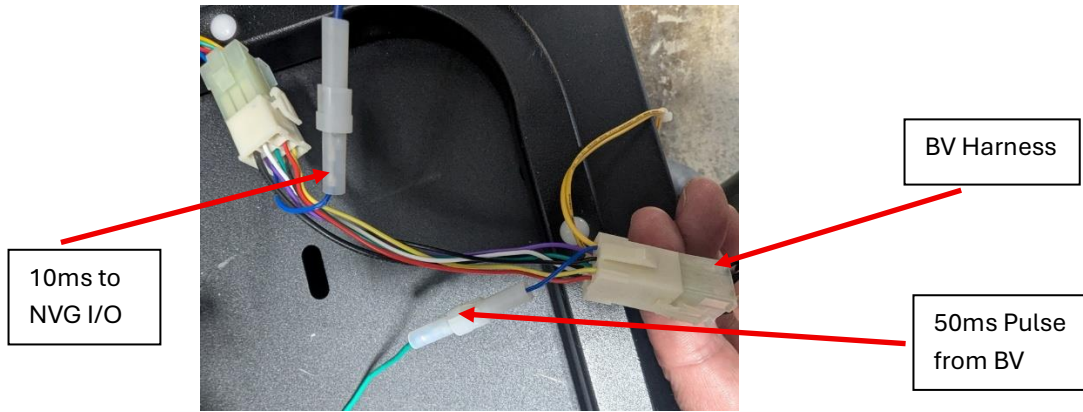
a. **10ms Bill Acceptor (ICT XBA-Mini or Innovative NV9)**

- i. Blue wire from the iConnect board *** 10ms BV Only ***

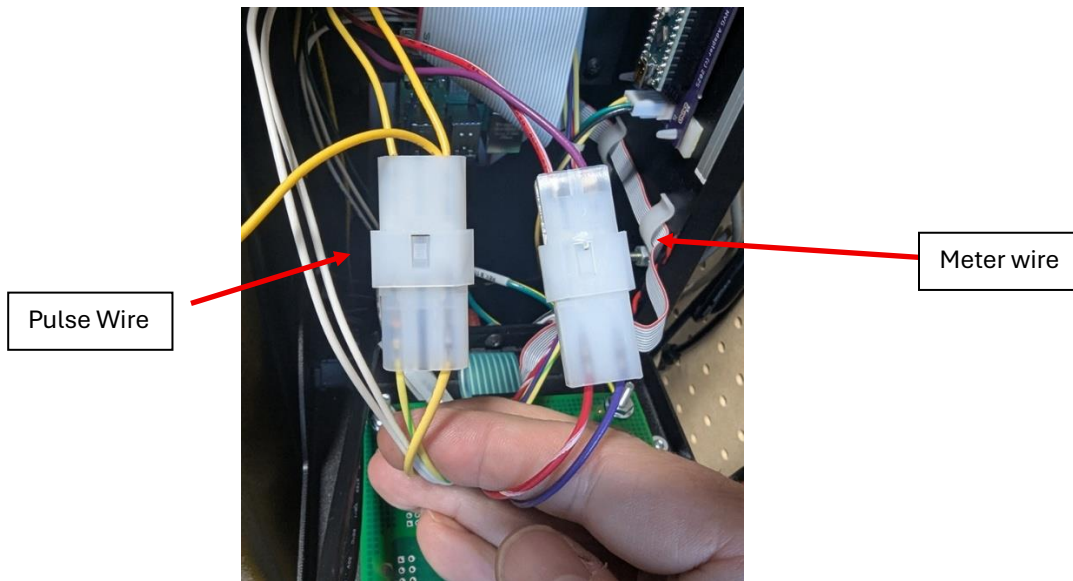


b. 50ms bill acceptor (ICT PA7)

- i. the "10MS OUT" wire is connected to the blue wire on the iConnect harness. The "10/50MS" wire is connected to the yellow wire on the iConnect harness

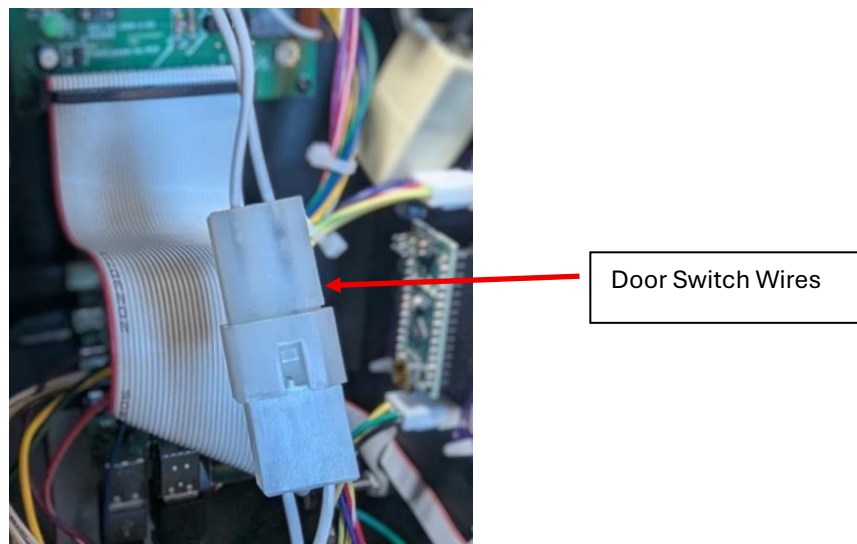


35. Connect the yellow pulse wires from the iConnect harness to the NVG adapter board.

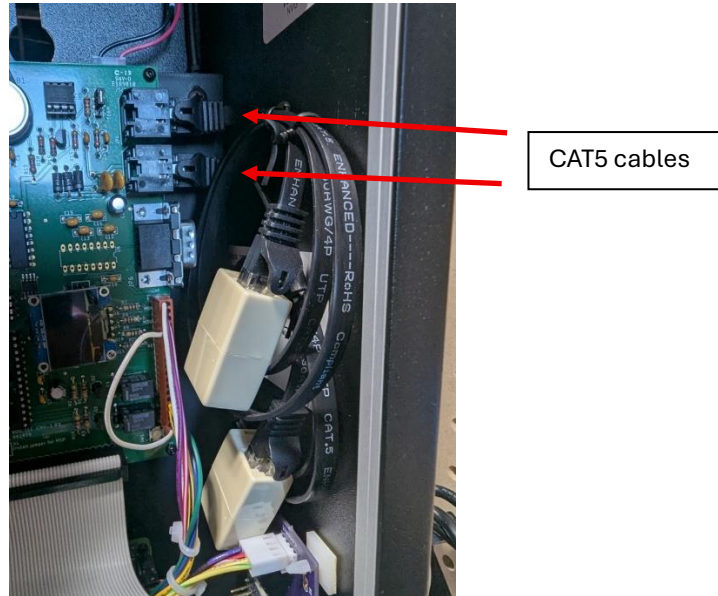


36. Connect the Meter wires (purple, red/white) from the iConnect harness to the NVG adapter board.

37. Connect the door switch wires to the iConnect harness



38. Install the (2) flat CAT5 cables into the iConnect board.



39. Tie up the cables using the existing cable tie downs and/or cable ties

40. Use 6-32 nut to reattach the ground strap on the new doors

NOTES:

- If the barcode scanner needs to be factory reset and/or set to continuous mode use the QR codes below



- Ensure the SideCar software is setup in “NV Gold” mode
 - Press the white “Admin” button on the iConnect board
 - Press “Config”
 - Verify the Mode is set to “NV Gold”

