

**P4 Series Dispenser
Assembly Replacement**



**Calculating Computer
(With Printer Option)**

Tools Required:

- 1 - Short Phillips head screw driver
- 2 – End Cutter snips (Dikes)
- 3 – Long medium flat head screw driver
- 4 – Parafour driver with security bit

Parts Included

- 1 – P4 Series Calculating Computer Assembly
- 1 – Keypad Display Ribbon cable
- 1 – Display Ribbon Cable
- 1 – Printer Power supply cable (assembled)
- 1 – Return shipping label
- 1 – Box and re-shipping packaging materials

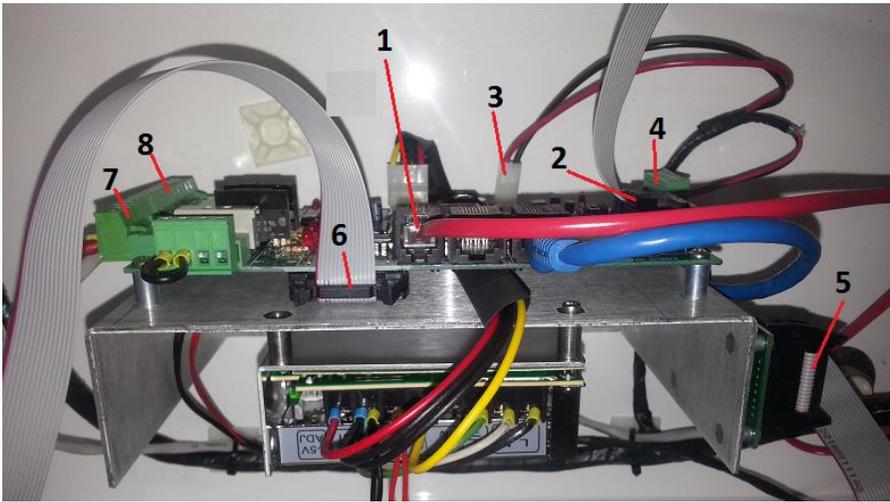
Time Required: 15-30 minutes depending on experience

SAFETY:

- !! Disconnect all power from the dispenser before opening the upper electronics cabinet and removing the cover hood.
- !! Ensure all connections are tight and secure after installation to prevent electrical shock or component damage
- !! Handle all electrical components with care. Many are fragile and easily damaged

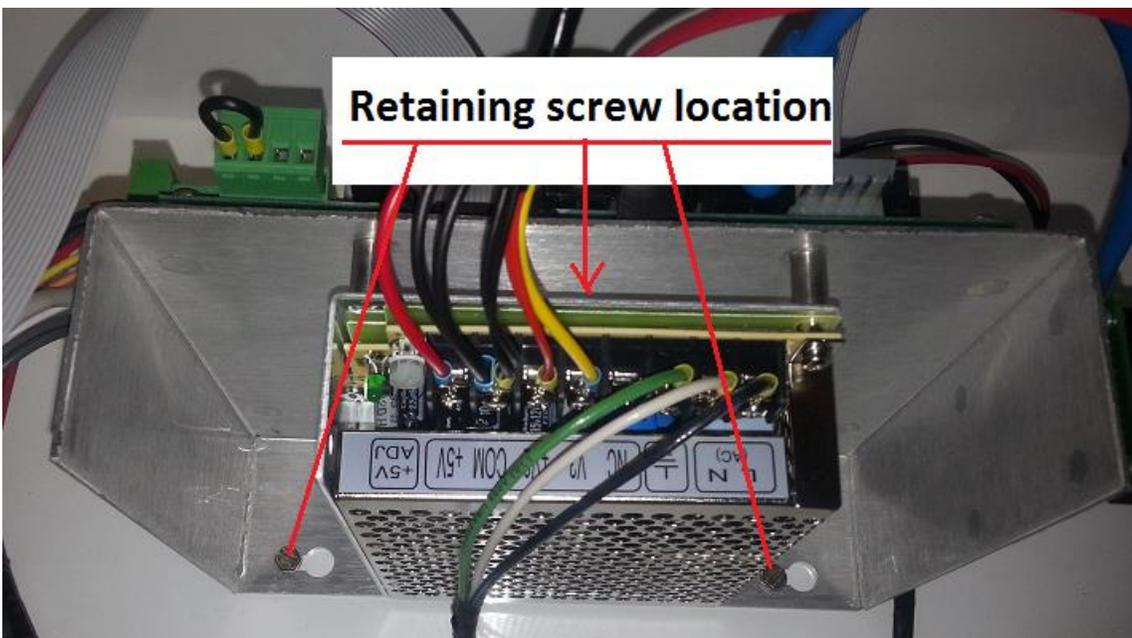
Instructions: **Disconnect Power to Dispenser Before Beginning Service**

1. Using the driver tool and security bit provided with the dispenser, carefully remove the 4 retaining security screws from the electronics cover hood. Save screws for replacement when complete. Use care to ensure the hood is not bent or damaged during removal and re-installation.
2. Disconnect all the plug in connectors from the calculator assembly

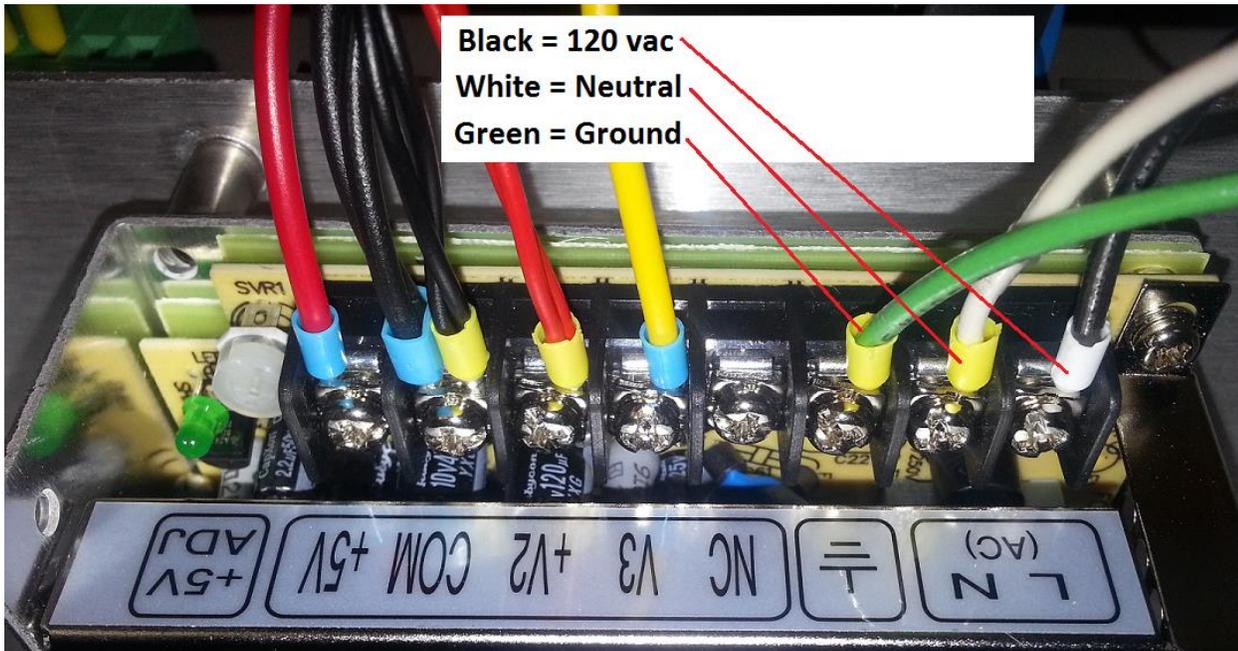


1. ATC Probe (Cable may be red, grey or white)
2. Printer ribbon cable (grey with black connector)
3. Switch LED power (2 pin white connector, red/black cables)
4. 6 Pin data cable (green connector with red/black cables)
5. Display Ribbon cable (Grey with black connector)
6. Keypad Ribbon Cable (Grey with black connector)
7. 10 Pin input connector (green, multiple colors)
8. 5 Pin AC connector (Green with multiple colors)

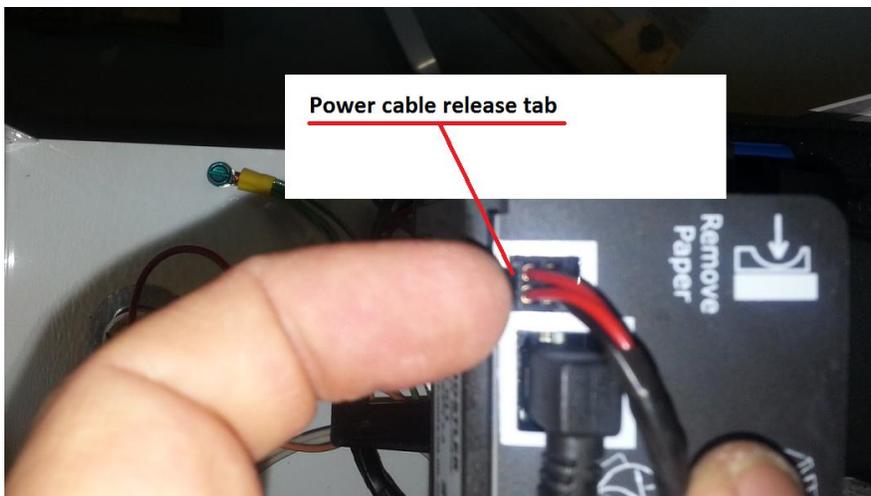
3. Locate the three retaining screws in the base of the assembly bracket. There are 1 on each side (easy to see) and one in the center between bracket and power supply. Loosen the screws so that the bracket assembly will slide to the left for removal. These are accessed with the long flat head screw driver.



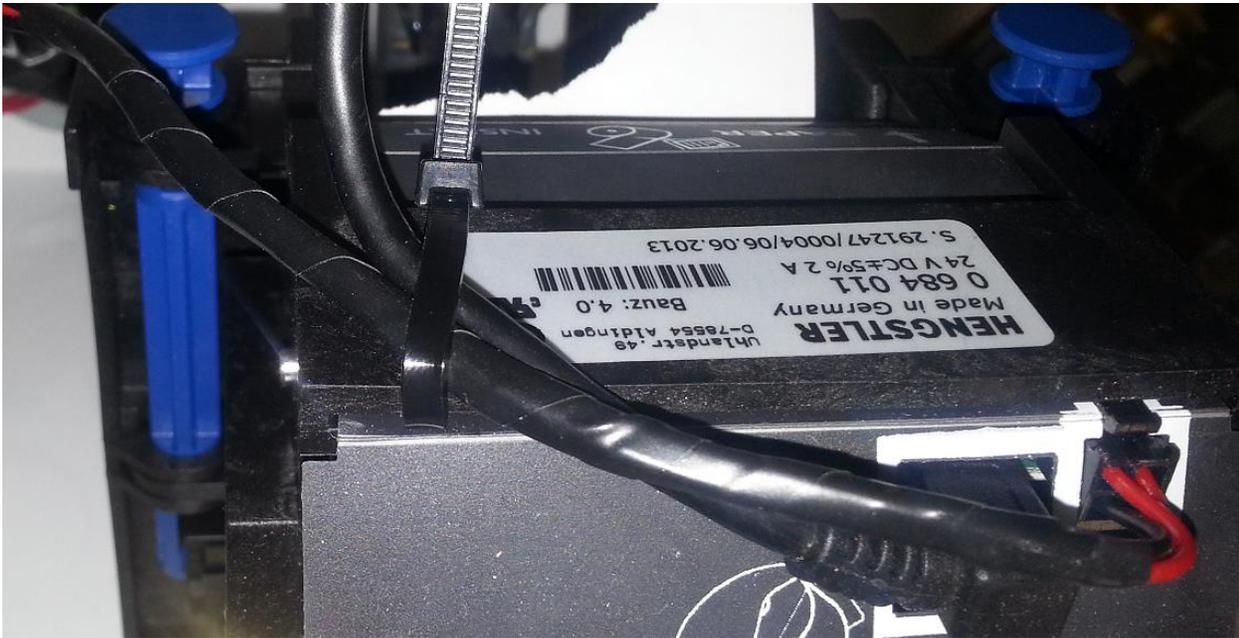
- Slide the assembly left and remove. Hold it at an angle so that the small Phillips head screws are easier to access using the short Phillips head screw driver (medium tip).
- Being careful not to apply pressure or damage to the computer board, use the small Phillips head to loosen the three (3) AC input power screws. These are Green, White & black, from left to right, and located on the far right of the black 8 connector terminal strip on the power supply. Be carefully not to fully loosen and remove the small screws. Only loosen enough to remove the wire terminals. If screws are dropped into the power supply case, they MUST be shaken out and replaced prior to re-power.



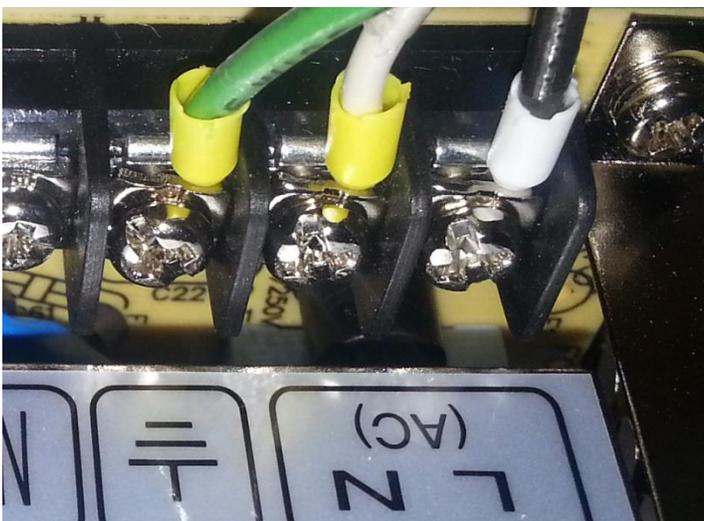
- Disconnect the Printer power harness from the printer. It is the 4 connector (2-Red and 2-Black wires). This is done by first clipping the retaining tie strap which secures the power and data cables to the black plastic printer housing. There is a small release tab on the power connector into the printer socket. Squeeze the tab and gently pull on the connector. It can be a little tricky. DO NOT force it as damage may occur.



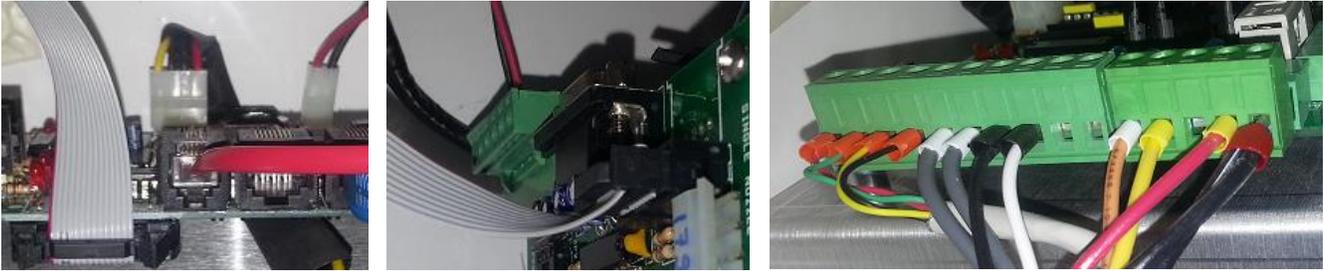
7. Fully remove the old calculating computer assembly. Carefully repackage for return shipping with the materials supplied in shipping the new assembly. Carefully wrap all return parts with the protective foam.
8. Position the new assembly on the three retaining screws in the electronics cabinet base. Slide the screws through the key holes, then slide the assembly to the RIGHT. Tighten the retaining screws with the long flat head screw driver
9. Connect the new printer power cable to the socket on the printer. Position the power cable and data cables along the back left side of the printer housing. Secure the cables with the tie strap provided to ensure proper cable connector retention.



10. Using the small Phillips head screw driver, reconnect the Green, White and Black wires to the screw terminals on the new power supply. Ensure that the cable ferules are slid beneath the screw terminal plate as deep as possible. There should be little or no exposed metal conductor. Tighten the screws securely, and gently pull on the cables to ensure a good connection.



11. Re connect all of the plug in connectors to the appropriate sockets on the calculator computer board. Ensure that they are connected EXACTLY as the original was.



12. Check again to ensure that all connectors are properly inserted and secure and that there are NO loose wires or connectors
13. Reconnect the dispenser power. There should be a short “BEEP” as the unit powers up and completes its self-check. The keypad display and large sales display should now show all characters and backlighting. The calculating computer should come to you programmed for your dispenser.
14. Complete 3 – 4 transactions to ensure everything is working properly. You may need to reenter site specific menu configurations for our dispenser, the same as before making the change. These include:
 - a. Prices for all used price levels
 - b. Card reader enabling when using third party card readers
 - c. Calibration factor if the unit was calibrated after installation
 - d. Printer ON and confirmation ON
 - e. Other special configurations you may have set.
15. Once you have ensured the unit is working properly, re-install the electronics hood using the 4 security screws you previously removed.
16. Re package all old materials or other warranty provided components which may have been sent in the packaging provided. Use the original packaging materials, adding new similar materials as may be required to prevent damage in return shipment.
17. Place the provided return shipping label on the packaged and sealed box, either over the original shipping label, or removing the old label.
18. Schedule for shipper pickup (UPS or FED-EX as indicated on the shipping label) or drop off at a shipper location for prompt return to parafour. Failure to return the parts within 15 days may result in charges for the non-returned materials.
19. All components will be tested upon return for proper function. There will be no charge for any damaged items covered under warranty.