TECHNICAL SERVICE BULLETIN

Product: Cornelius 60Hz/50Hz Viper

Subject: Updated Power Connection Viper Switch PCBA Analog Pressure Cut-off

- OEM Part Number *620047160-100* & *620047160-200*

Date: 7-March-2025

File: TSB-25-BVP-1

1. Issue Description

A potential issue has been identified in certain Viper Transformer resulting in error code "**FILL ERROR, MTR CTL FAIL**". This bulletin outlines the steps for inspection and corrective actions where necessary.

---

2. Affected Components

- Transformer power connections (That were Manufactured before S.N.- RYA2506VP7140)

---

3. Corrective Actions

Change the transformer power connection to the Switch Transducer PCBA from 24.5 Volts (Yellow Side) to 26.4 Volts (Red Side).

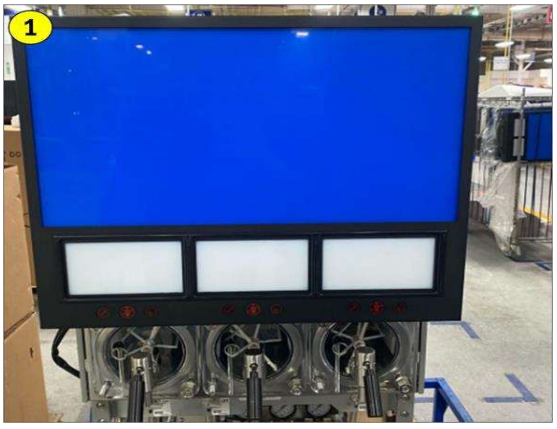
1. Locate the terminals that supply power to the white and black wires on the Switch PCBA
2. Move the power terminals from the yellow winding of the transformer to the red winding, as indicated in the wiring diagram below.

Note: This adjustment will also help resolve the overfilling issue.

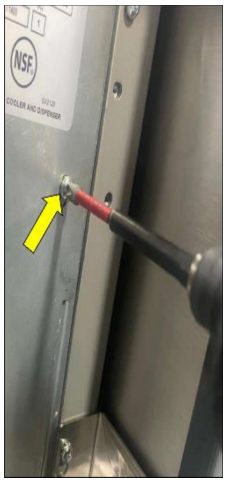
---

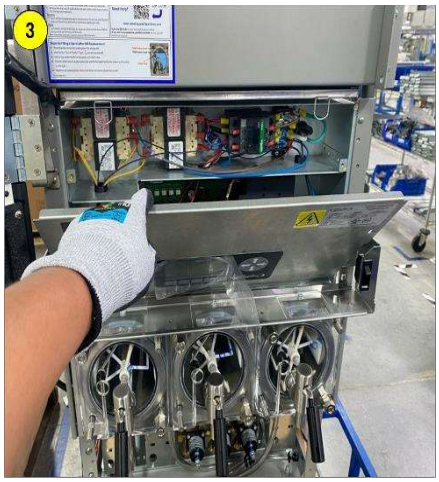
4. Field Service Instructions - Harness Switch Procedure

1. **Turn off Power** to the unit before starting service.
2. Open Merchandiser to access the E-Box.

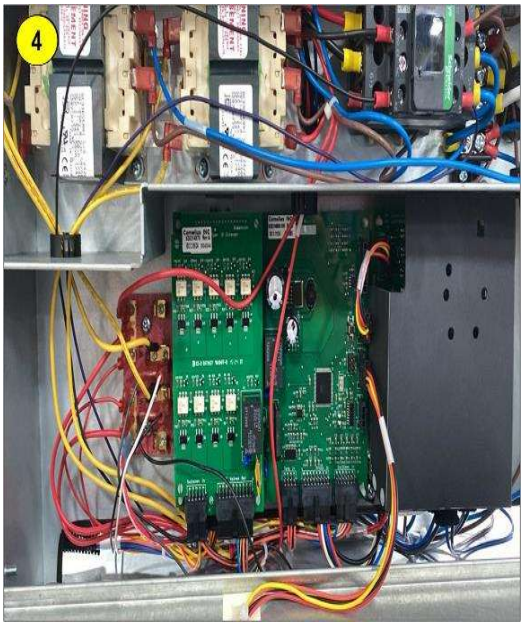


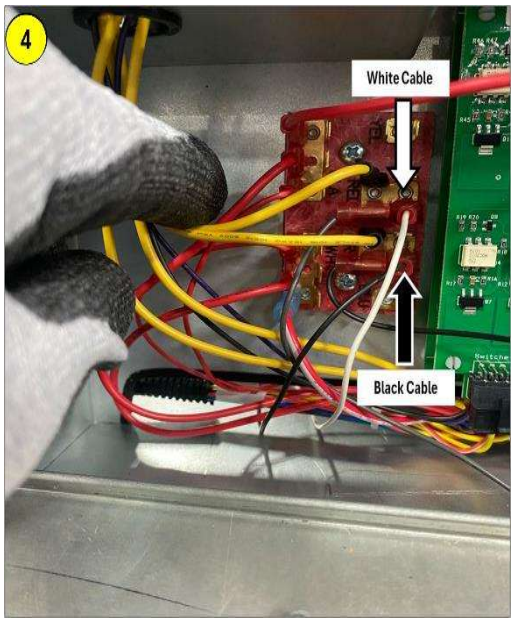
3. Identify the screws holding the E-box cover and using a Phillips screwdriver remove the screws to access the electronic components.



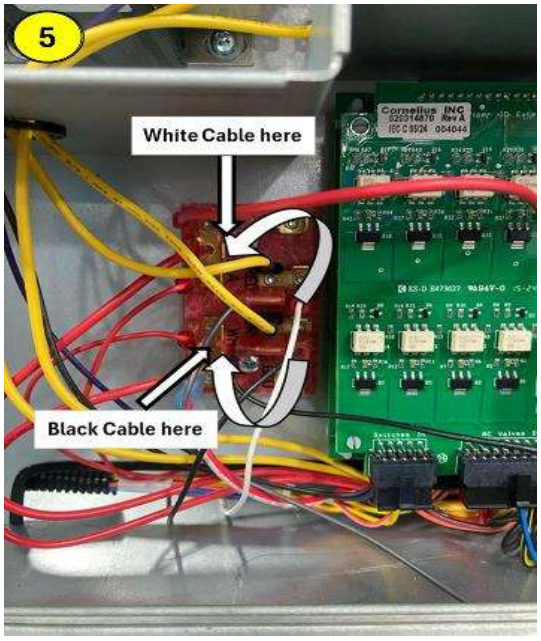


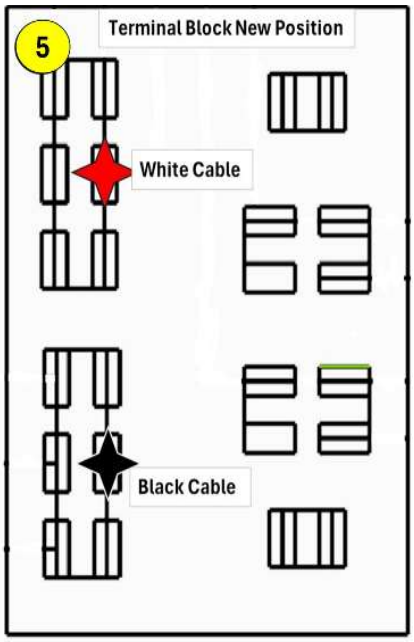
4. Locate the terminal block located on the lower left side of the electrical box, locate the harness with black and white wires, now to disconnect them hold the electrical terminal and pull in the opposite direction to the connection, you can use some needle-nose pliers.



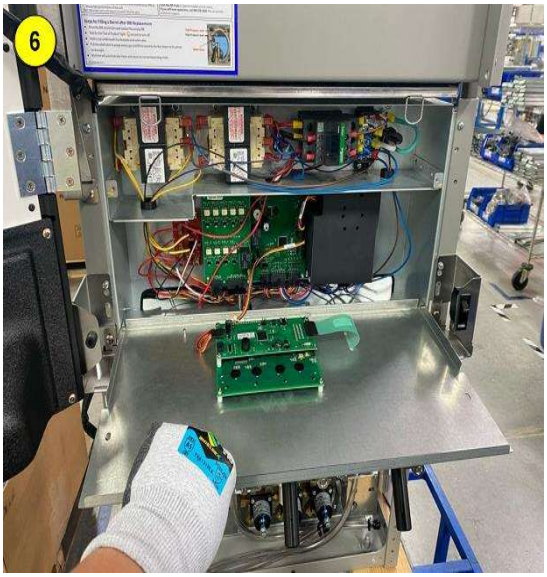


5. Change the black and white wires that are being fed by the horizontal yellow terminals of the transformer and put them on the red ones that are in a vertical position.

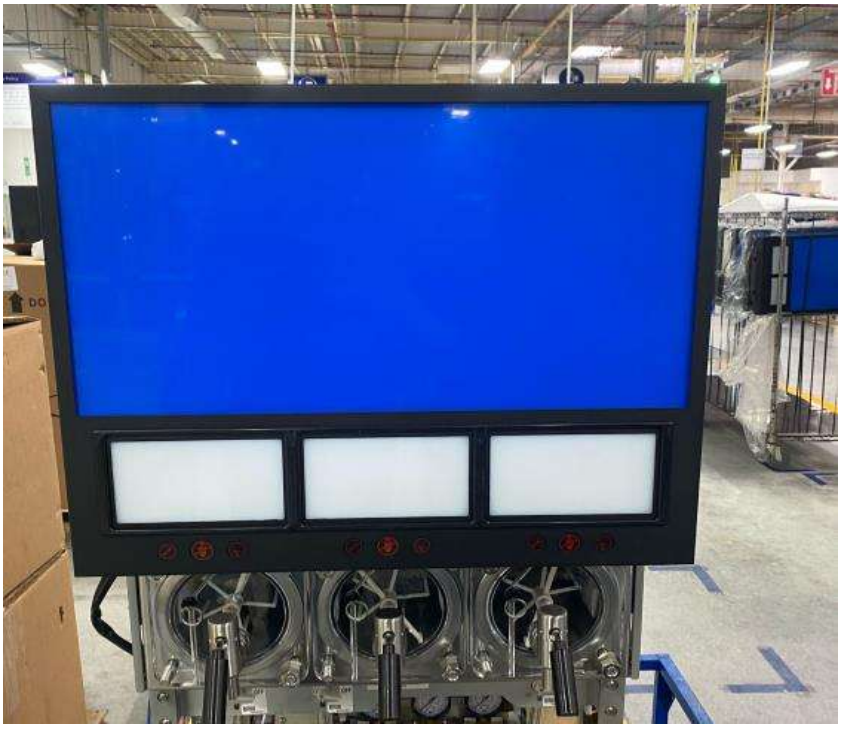




6. Make sure everything is connected correctly and close the electrical box.



7. Once the electrical box is closed Turn ON power to the unit to begin service.



NEW WIRING DIAGRAM