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1883

SERVICE BULLETIN

Technical Management Group

Date:	03/22/2024		
Document Number:	TM-VPK-010		
BULLETIN TYPE:	Internal and External	Subject:	Indoor Motor Wiring
PRODUCTS AFFECTED:	VHA18-RTQ	Author:	Technical Management

Verti-Pak models VHA18XXXRTQ-A with serial number ranging from 2401M02386 to 2402M02902 have a small possibility to not restart function during cycling. The PCB which sends signal to the Indoor Motor is not received during manual or automatic cycling of heating or cooling calls.

This symptom is correctable by relocating the Indoor Motor PCB L1 wire from to the speed relay to the left of the PCB.

Friedrich will reimburse $25+ trip charge for wire relocation on installed units by a local service company or one of our Authorized Service Providers. Contractors not in Friedrich's Authorized Service Provider Program will need to provide current licensing and insurance credentials to receive payment.

The photos and information below show the relocation of the Indoor Motor PCB L1 wire. The wire is disconnected from the main terminal block and connected to the speed relay to the left of the PCB utilizing a locally sourced Female to Male Double 1/4" Tab Uninsulated Piggyback Adapter.

For questions, contact us at Service@friedrich.com, or by calling us at 1-800-541-6645 and follow the prompts for Technical Support.

Installation Instructions

Vert-I-Pak 18 Motor Rewire

> WARNING: DISCONNECT POWER BEFORE SERVICING. FOLLOW ALL LABELED WARNINGS

Please read these instructions completely before attempting the installation described. It is the responsibility of the installer to know the affected product better than the consumer, and to service and follow all safety and warnings as needed.

Rework Components:

- Piggyback terminal splitter (x1)

Tools Required:

- ¼" nut driver
- Needle nose plier
- Diagonal plier
- Cut resistant gloves

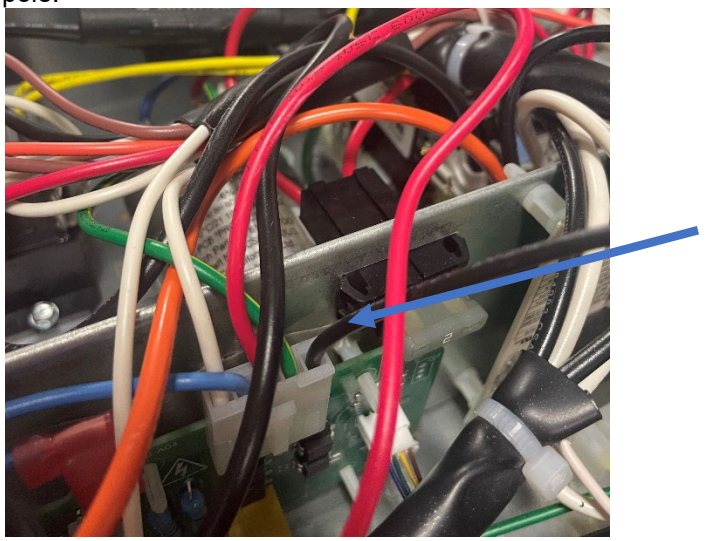
Step 1. Disconnect power (if applicable) and open unit access

a) Flip breaker to off and remove unit disconnect to ensure unit is powered off, if applicable

b) Remove top control cover by removing the ¼" fasteners along the top surface

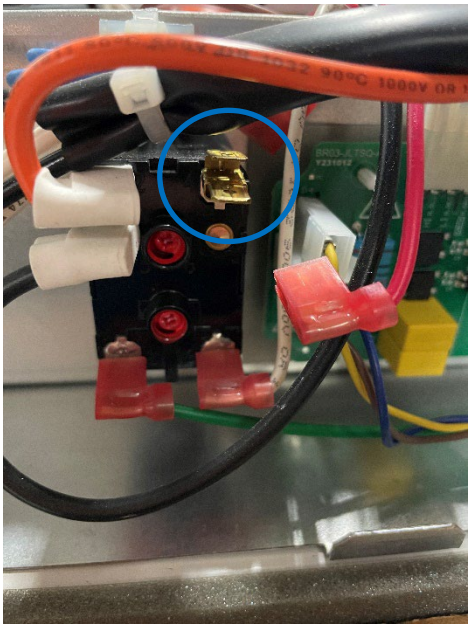
Step 2. Rewire motor control board

a) Cut wire tie to free the L1 (Black) wire off the small blower control board. Remove the wire from the contactor pole.

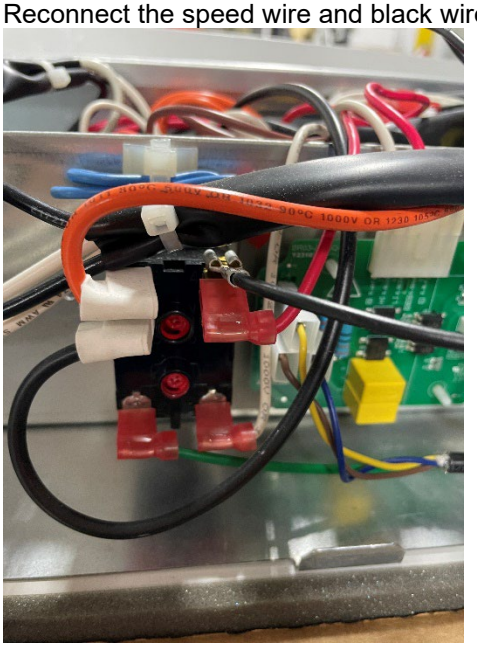


b) Disconnect the red speed wire of the small blower control board from the top right corner of the speed relay to the direct left of the blower control board.

c) Add the piggyback terminal splitter to the top right corner of the speed relay (Note: If the speed relay has a white jumper wire connected to that terminal, the white jumper wire should stay in place).



d) Reconnect the speed wire and black wire to the two terminals on the piggyback terminal splitter



Step 3. Install control cover and restore power

a) Reattach control cover to top of unit and secure with the ¼" fasteners.
b) Place disconnect securely back into disconnect housing

Rework is complete!