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Dallas, Texas, USA



INSTALLATION/ OPERATION INSTRUCTIONS

Auxiliary Heat Interface V0CTRL90

VRF SYSTEMS -- Auxiliary Heat
Interface
507544-02
07/2015

**THIS MANUAL MUST BE LEFT
WITH THE OWNER FOR
FUTURE REFERENCE**

⚠ WARNING

Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury or loss of life. Installation and service must be performed by a licensed professional HVAC installer (or equivalent) or service agency. Be sure that power supply has been turned off before beginning installation. Do not operate equipment with wet hands.

⚠ WARNING

Do not install equipment in areas where heavy oil, vapor, or gases containing sulfur may exist or it may be damaged.

IMPORTANT!

These instructions are intended as a general guide and do not supersede local codes in any way. Consult authorities having jurisdiction before installation. Read all of the information in this manual before operating this equipment.

Shipping and Packing List

Package 1 of 1 contains:

- 1- Heating control
- 1- Installation manual
- 1- Crimp on connector

General

The installation location of the auxiliary heat interface varies between indoor units. Installation steps are similar for each indoor unit. See indoor unit sections of this guide for specific indoor unit installation information.

NOTE - V0CTRL90 auxiliary heat control is not used with VWMA wall-mounted indoor units, see Service and Application note VRF-15-01.

Installation

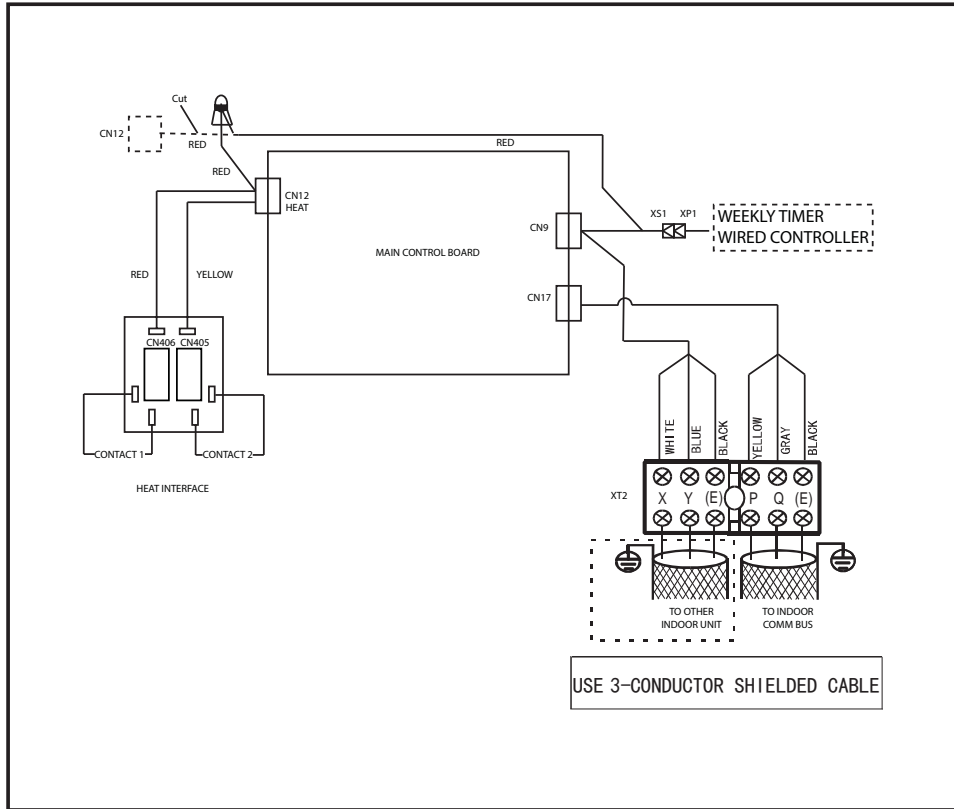


Figure 1. Principle Electrical Diagram of Heat Interface

All indoor units except VWMA wall-mounted units. For VWMA wall-mounted indoor units, see Service and Application note VRF-15-01.

1. Turn off power to the unit.
2. Remove the phillips-head screws securing the indoor unit electrical control box cover.
3. Mount the auxiliary heat control in the appropriate location, see indoor unit photos for specific locations.
4. Secure the heat control by pressing the four plastic feet at the bottom of the control through four holes provided in the unit cabinet. See figure 2 and individual indoor unit sections.
5. Locate the indoor unit main

board, CN labeled "HEAT". See figure 3.

6. Unplug connection and use wire cutters to cut the red wire, leave enough wire on connection end to allow for connection to the auxiliary heat wiring harness. See figure 4.
7. Use the provided crimp-style wire nut and crimpers to connect the auxiliary heat wiring harness red wire to the connection-end red wire, and ensure the connections are secure.
8. Restore plug connection to CN HEAT. See figure 5.
9. Use phillips-head screws to secure indoor unit electrical control box cover.
10. Restore power to the unit.

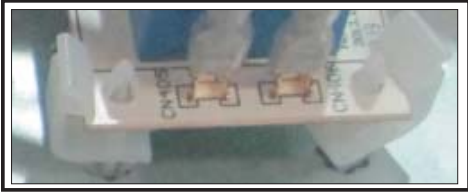


Figure 2. Mounting Feet

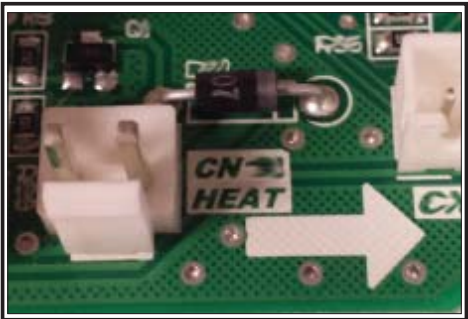


Figure 3. CN HEAT

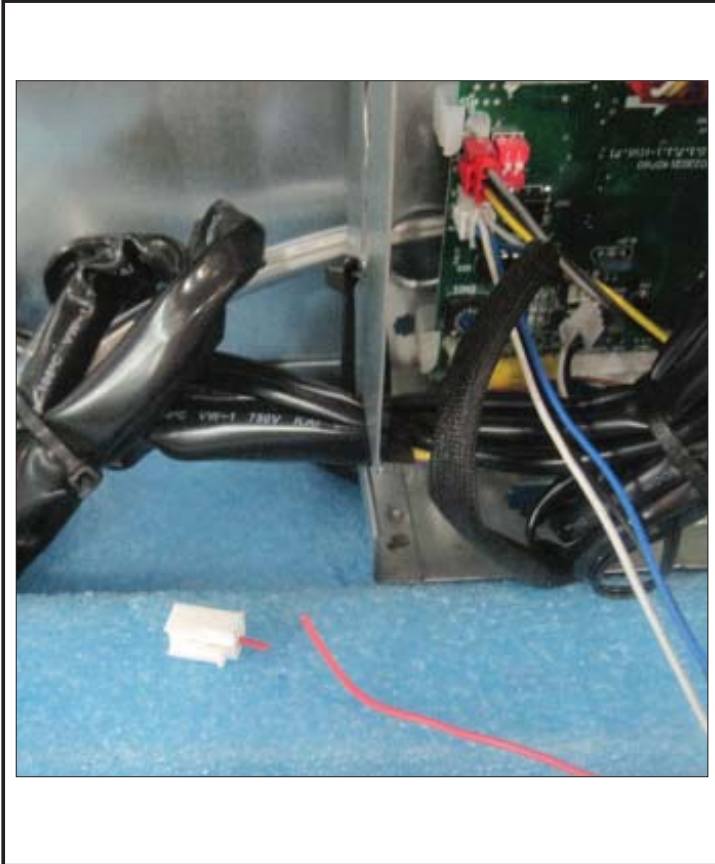


Figure 4. Cut Red Wire

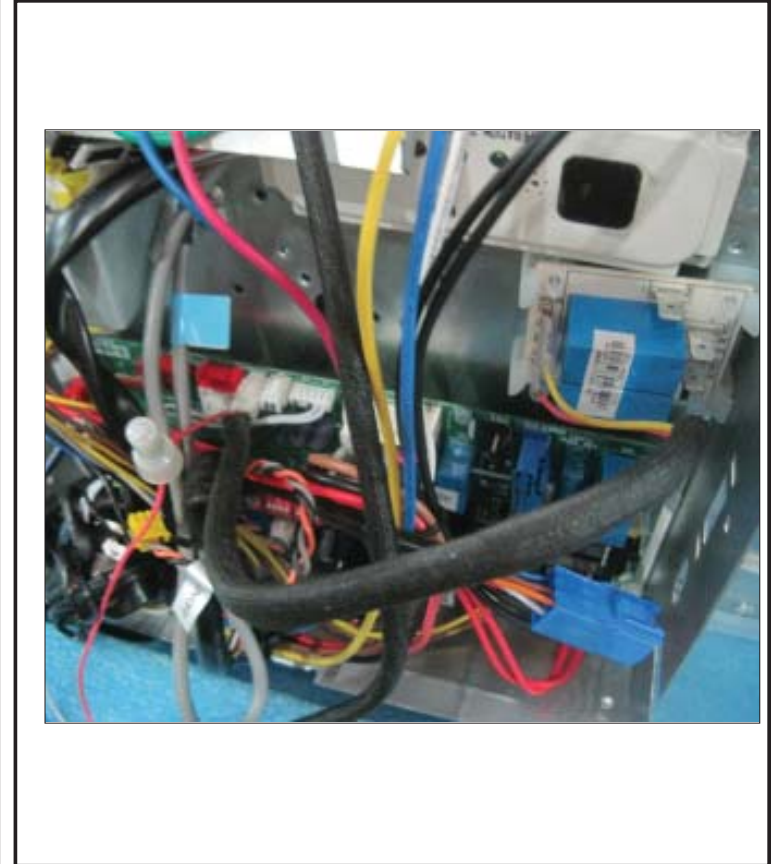
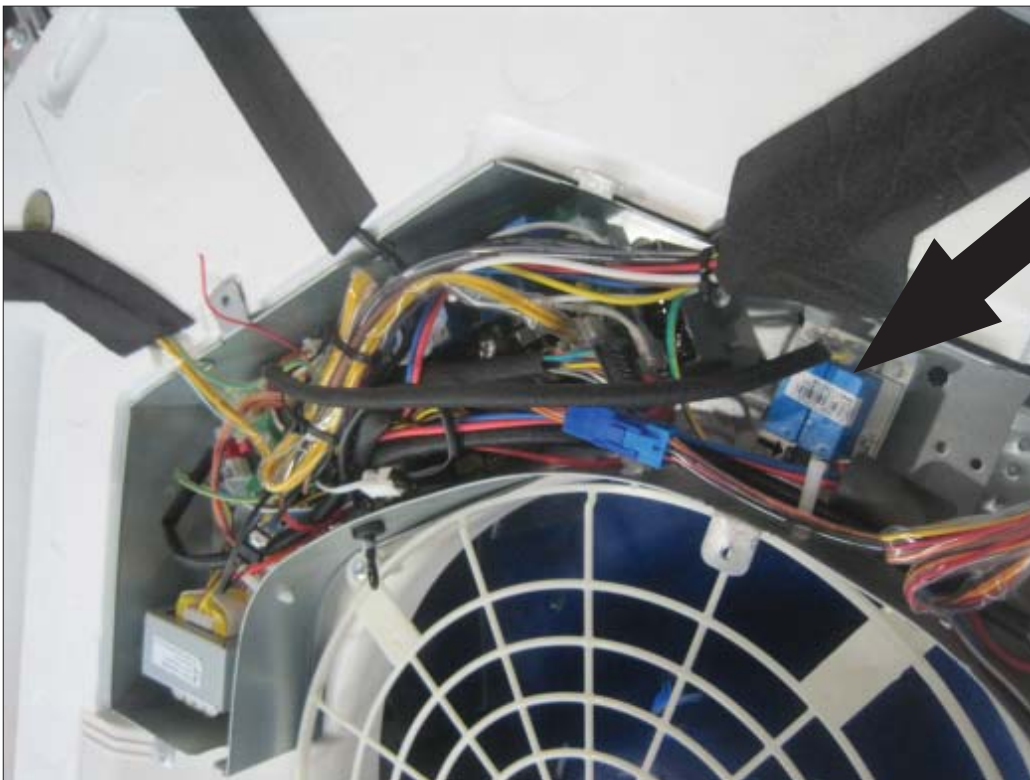


Figure 5. Installation Completed

V33 Cassette

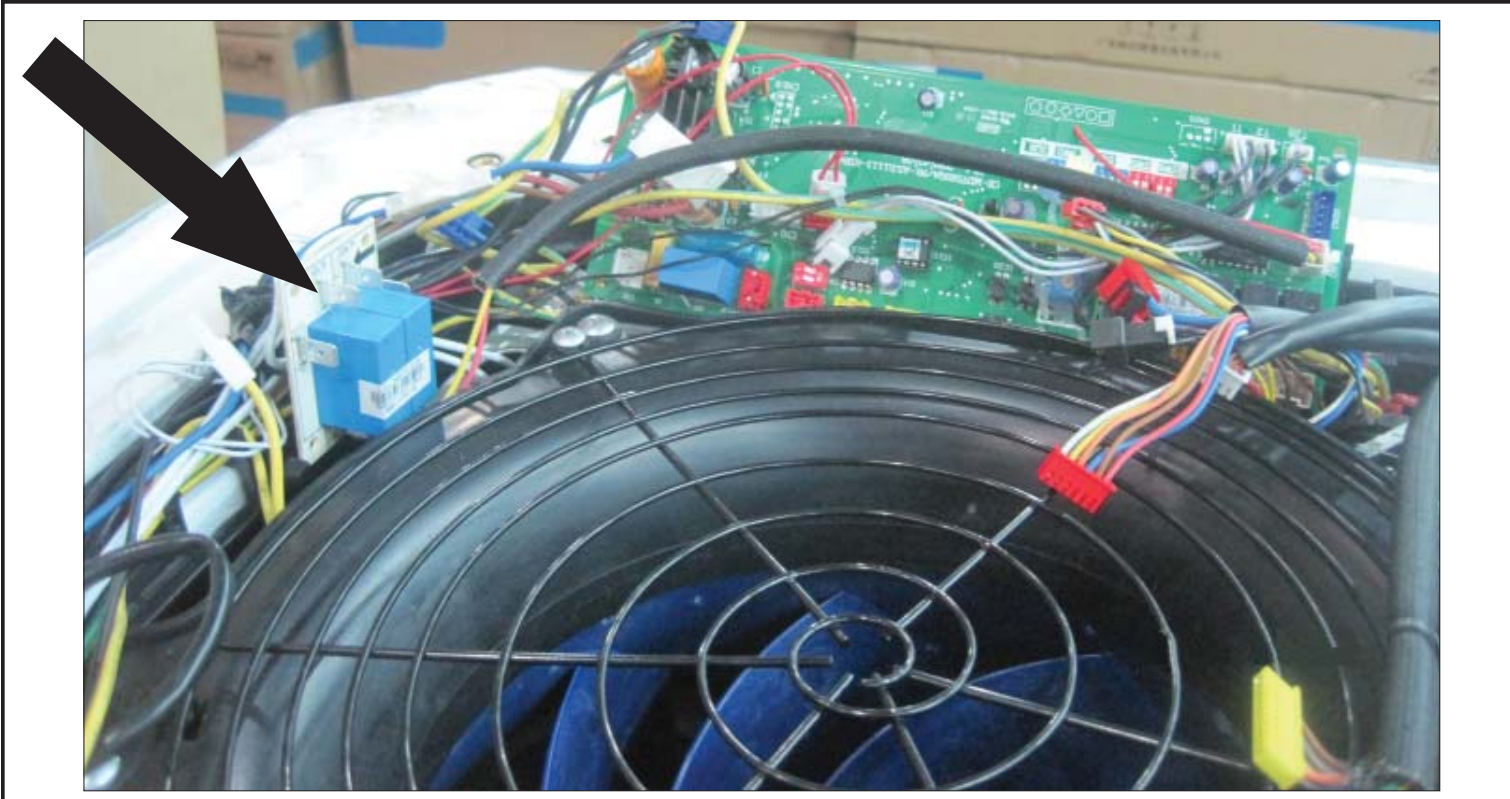


The auxiliary heat control mounting location is located in the control box on the opposite side from the transformer.

NOTE- Removal of indoor unit main board is required for connection.

Figure 6. V33 Cassette Installation

V22 Compact Cassette



The auxiliary heat control mounting location is located between the blower fan housing and the control box edge.

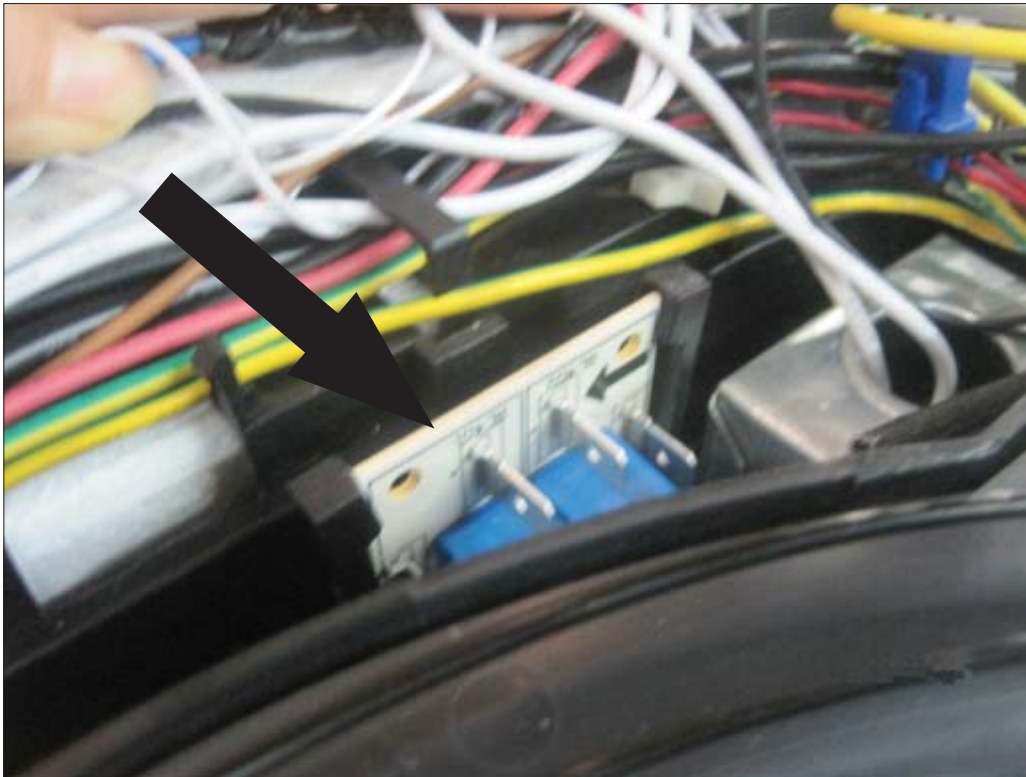
NOTE- Removal of indoor unit main board is required for connection.

Partial installation shown.

1. Open clip.
2. Slide auxiliary heat control into slot.
3. Close clip.

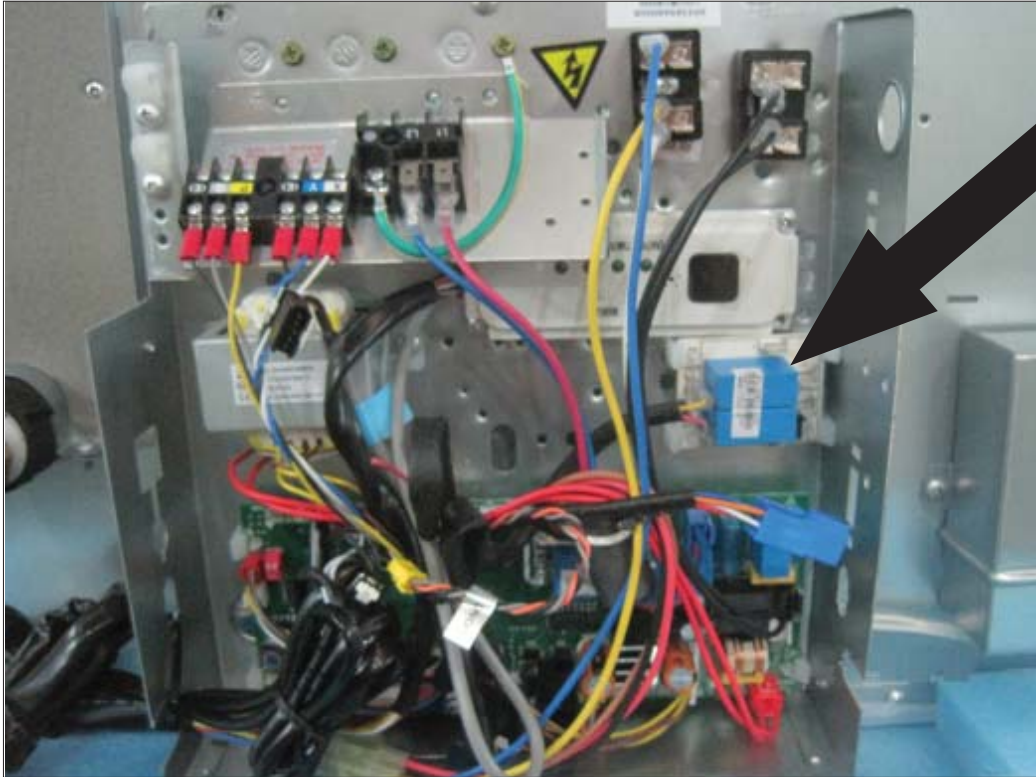
Figure 7. V22 Compact Cassette Installation Location

V22 Compact Cassette Cont.



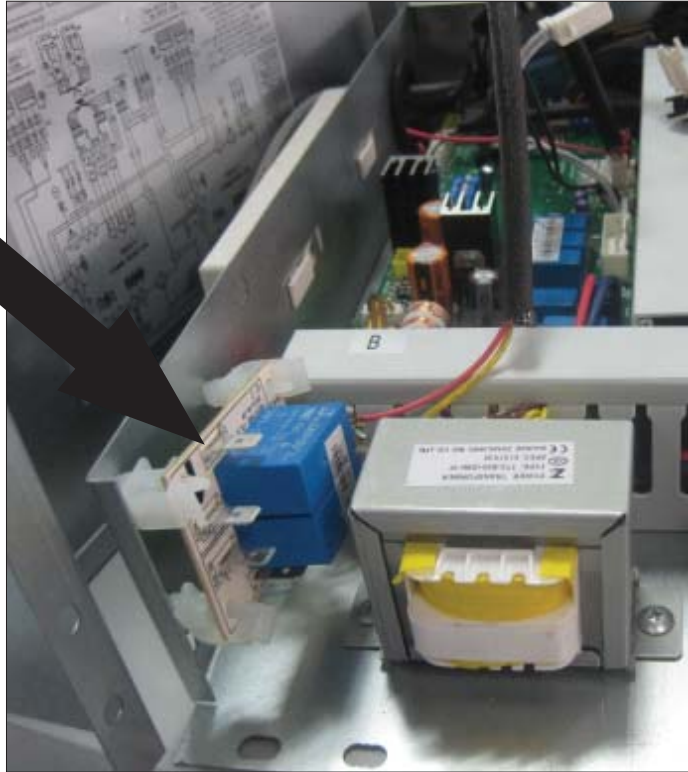
Complete installation shown.

Figure 8. V22 Compact Cassette Installation Complete



The auxiliary heat control mounting location is located below and to the right side of the LED display in the control box.

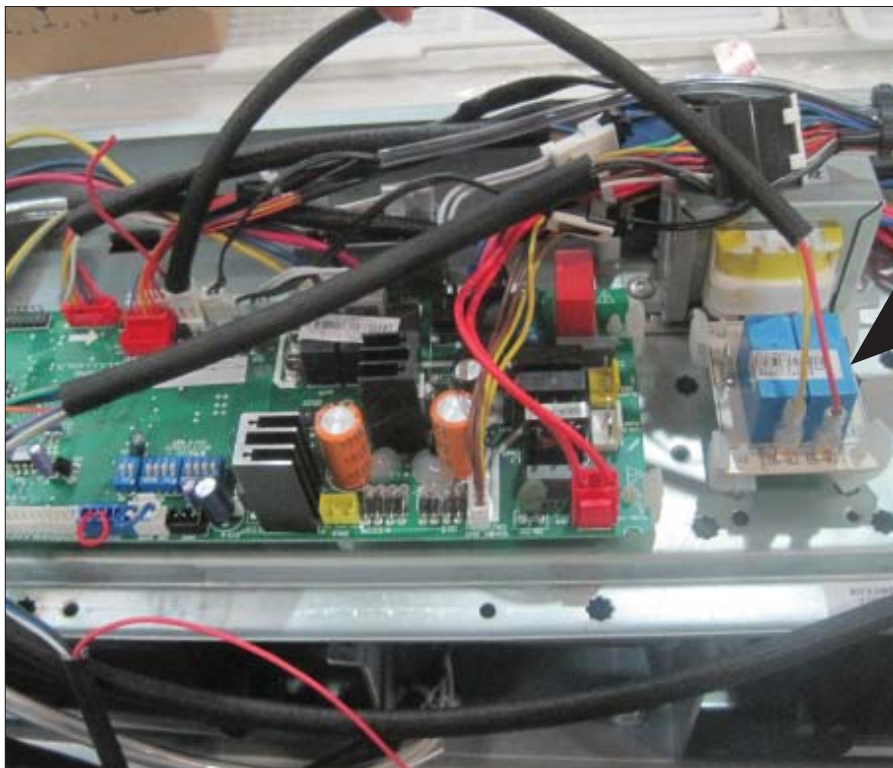
Figure 9. VHIA024-054 Ducted Installation Complete



The auxiliary heat control mounting location is located next to the transformer in the control box.

Figure 10. VHIA072-096 Ducted Installation Complete

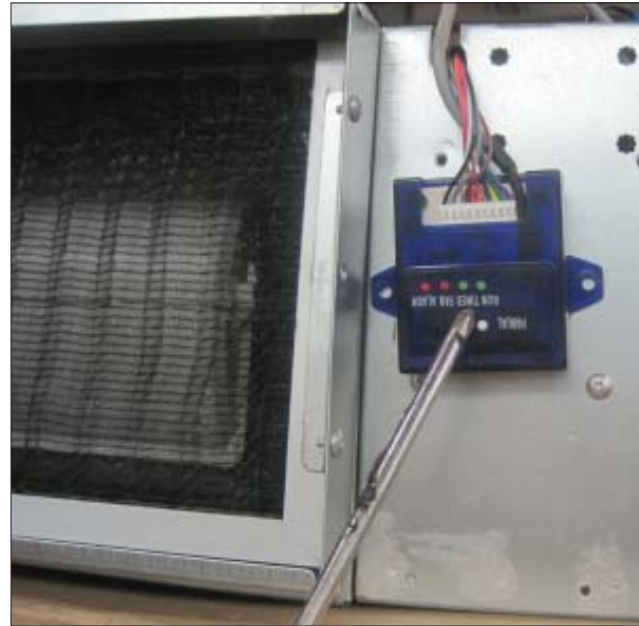
VCFA Ceiling/Floor Mount



The auxiliary heat control mounting location is located next to the transformer in the control box.

Figure 11. VCFA Ceiling/Floor Mount Installation Complete

VMDA Ducted (All Capacities)



1. Remove the LED display from its location within the control box. The holes that are exposed when the LED display is removed will be used to install the heat control.
2. Install the LED display on the outside of the control box as shown.

Figure 12. Relocate LED Display



The auxiliary heat control mounting location is located next to the control wiring terminal in the control box.

Figure 13. VMDA Ducted VMDA07-018

VMDA Ducted VMDA024-048



The auxiliary heat control mounting location is located next to the power wiring terminals in the control box.

Figure 14. VMDA Ducted VMDA024-048

VWMA Wall-Mounted Units

NOTE- This auxiliary heat kit cannot be used with VWMA wall-mounted indoor units. For alternate auxiliary heat connection instructions, see Service and Application note VRF-15-01.