

**DISCONNECT AND  
CIRCUIT BREAKER KIT**

**INSTALLATION INSTRUCTIONS FOR DISCONNECT SWITCH AND CIRCUIT BREAKER KIT  
USED ON ZG/ZC/ZH 036-150 PACKAGED UNITS**

**Shipping and Packing List**

39U71, 39U72, and 39U73

**Package 1 of 1 contains:**

- 1- Corner mullion
- 1- Power entry cover assembly
- 1- Disconnect box assembly
- 1- Raceway
- 1- Bag assembly containing:
  - 1- Installation instruction
  - 4- Push in wire ties
  - 2- Cover disconnect switches
  - 5- #10-16x5/8" screws HWHSMS w/ serration for 39U73
  - 4- #10-16x3/8" screws w/ serration for 39U71 and 39U72

**Application**

The Disconnect Kits are used on ZG/ZC/ZH 036 through 150 units. See TABLE 1, TABLE 2, or TABLE 3 for usage. Disconnect size depends on unit voltage, blower motor horsepower, and electric heat; refer to product specifications to determine which size disconnect or circuit breaker to use with each unit.

**⚠ 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, service agency, or the gas supplier.

**TABLE 1**

ZC/ZG 036-048

Unit (Short Cabinet)	Disconnect Kit		Hinges	Size (Amps)
ZC/ZG	632119-01	39U72	No	80

**TABLE 2**

ZC/ZG 060-074, ZH 036-060

Unit (Tall Cabinet)	Disconnect Kit		Hinges	Size (Amps)
ZC/ZG 060-074	632119-02	39U71	No	80
ZH 036-060	632119-02	39U71	No	80

**TABLE 3**

ZC/ZG/ZH 092-150 Units

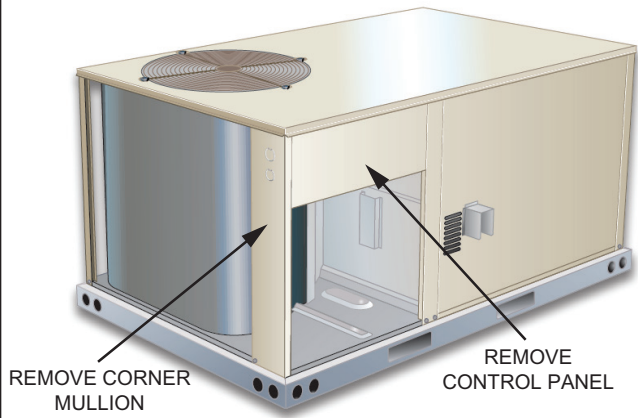
Disconnect Kit		Size
632120-01	39U73	80 Amp

**Installation - 036-074 Units**

- 1 - Disconnect all power to unit. Open the control panel and retain the screws.
- 2 - Remove the corner mullion. Retain the screws. See FIGURE 1.
- 3 - Install the disconnect assembly in place of the removed mullion. Secure with retained screws.
- 4 - For current units in the field, use the raceway as a template to mark the new mounting hole locations. Align the raceway to the edge of the control panel to create new mounting holes. Then remove the screws and mount it from the top. See FIGURE 3 and FIGURE 4.
- 5 - Mount the raceway to the bottom of the control compartment deck. See FIGURE 5 and FIGURE 6.
- 6 - Re-install the control panel cover after completely connecting the disconnect wires using the retained screws.
- 7 - Install the plate cover disconnect as shown in FIGURE 13.

**⚠ CAUTION**  
 As with any mechanical equipment, contact with sharp sheet metal edges can result in personal injury. Take care while handling this equipment and wear gloves and protective clothing.

**036-074 UNITS**

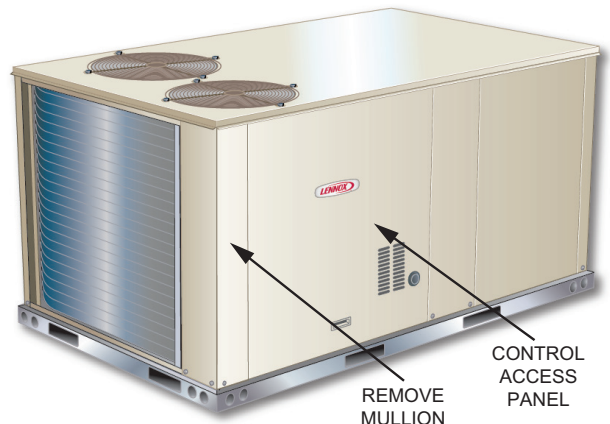


REMOVE CORNER MULLION

REMOVE CONTROL PANEL

**FIGURE 1**

**092-150 UNITS**

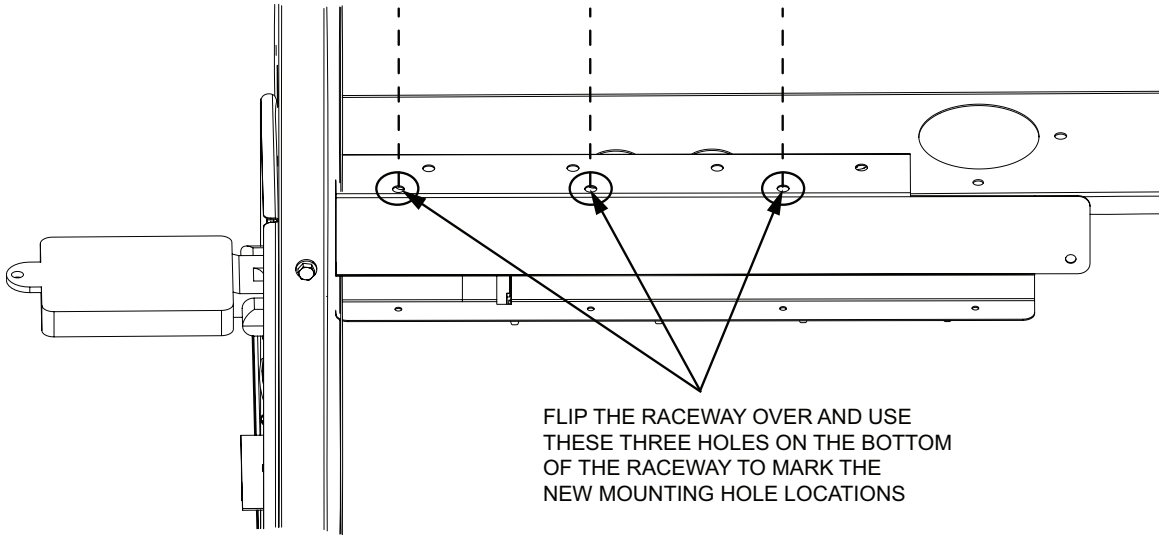


REMOVE MULLION

CONTROL ACCESS PANEL

**FIGURE 2**

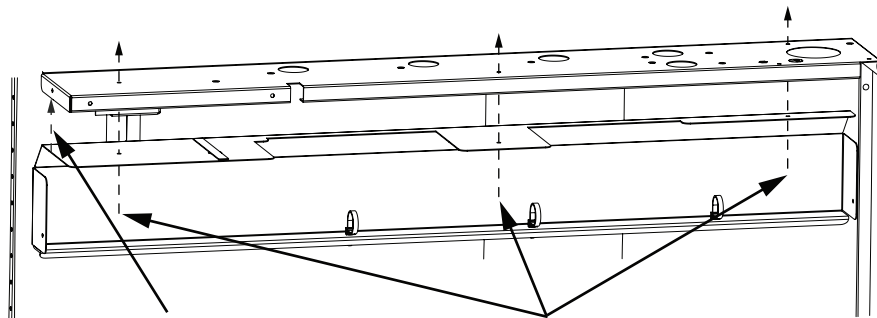
**DRILLING RACEWAY MOUNTING HOLES FOR 036-074 UNITS IN THE FIELD**



FLIP THE RACEWAY OVER AND USE THESE THREE HOLES ON THE BOTTOM OF THE RACEWAY TO MARK THE NEW MOUNTING HOLE LOCATIONS

**FIGURE 3**

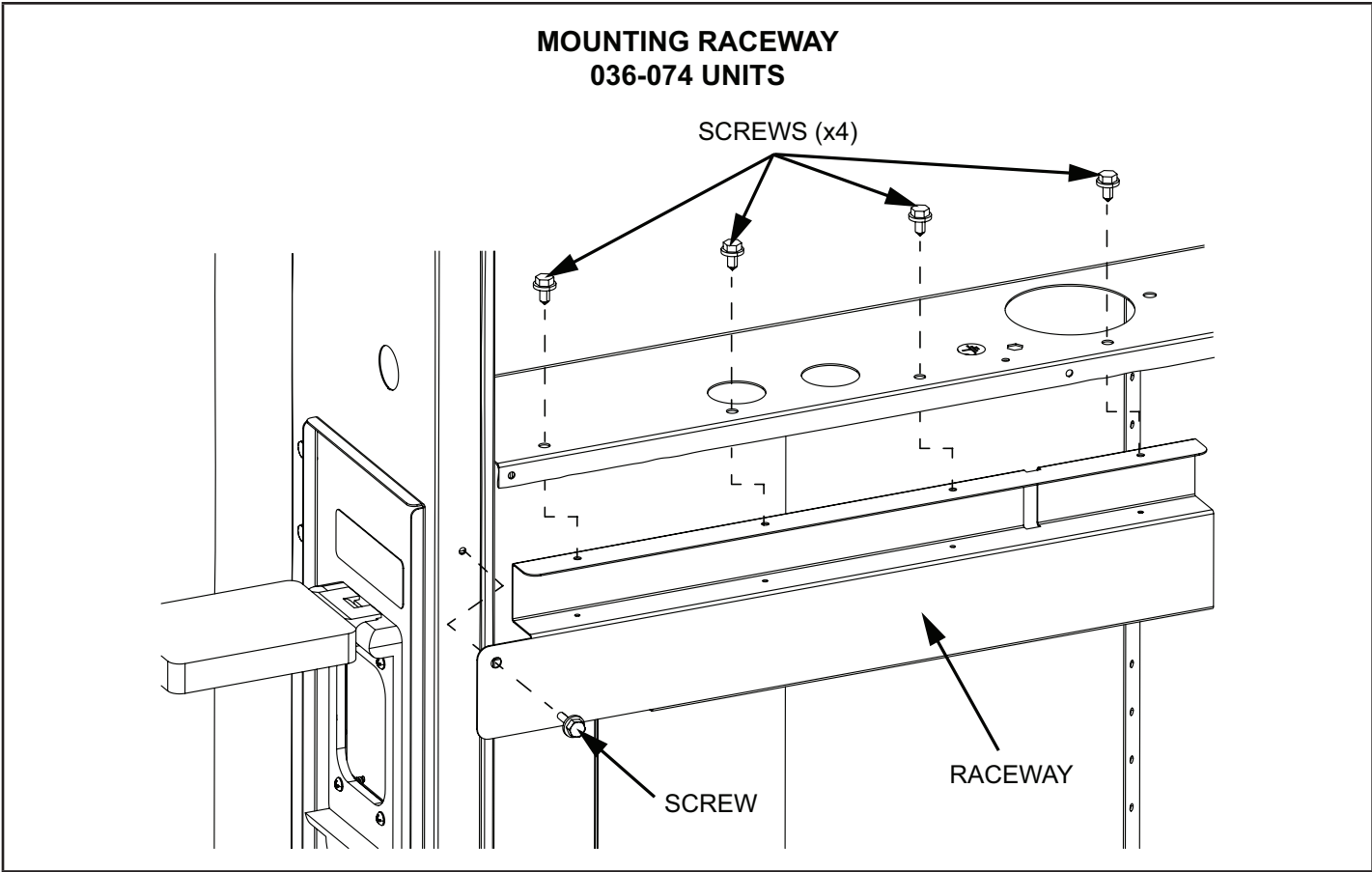
**DRILLING RACEWAY MOUNTING HOLES FOR 092-150 UNITS IN THE FIELD**



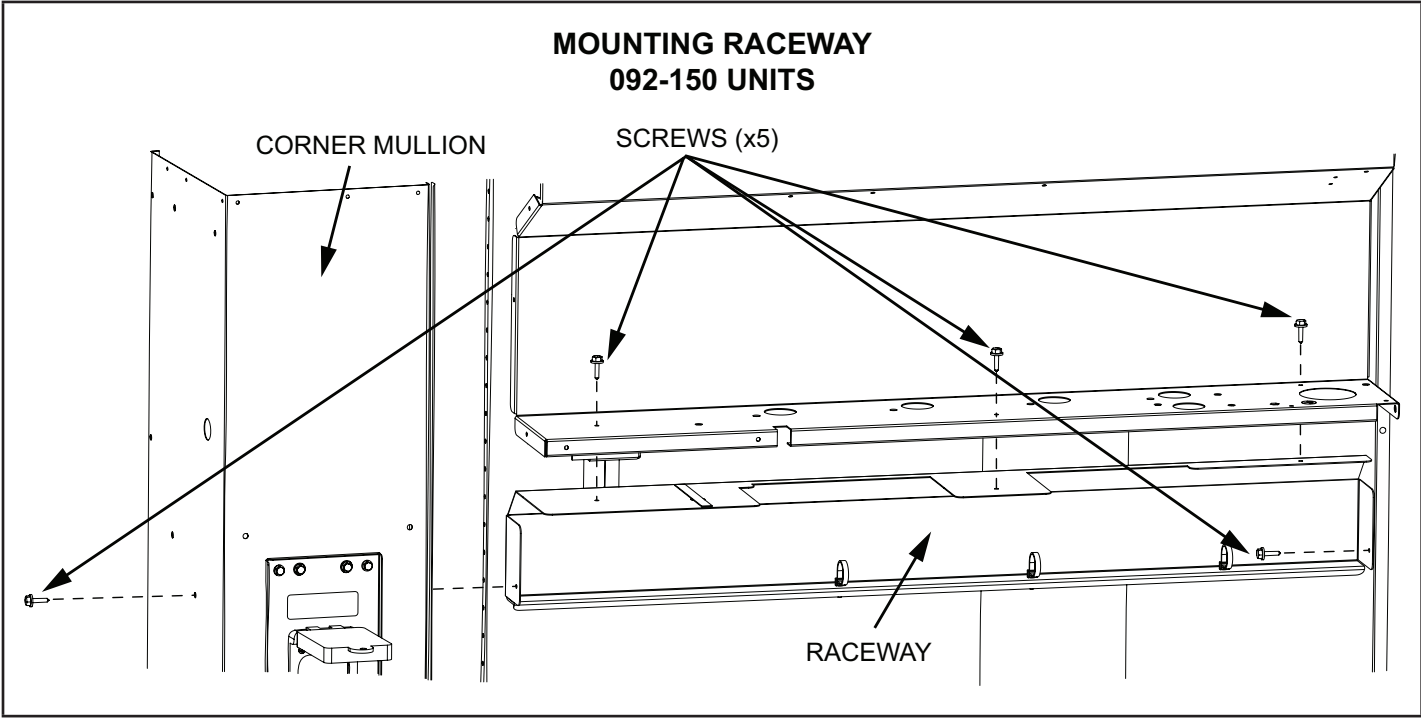
1. ALIGN THE EDGE OF THE RACEWAY FLUSH TO THE INSIDE OF THE CONTROL DECK LIP.

2. DRILL MOUNTING HOLES FROM BELOW AFTER EDGE IS ALIGNED.

**FIGURE 4**



**FIGURE 5**



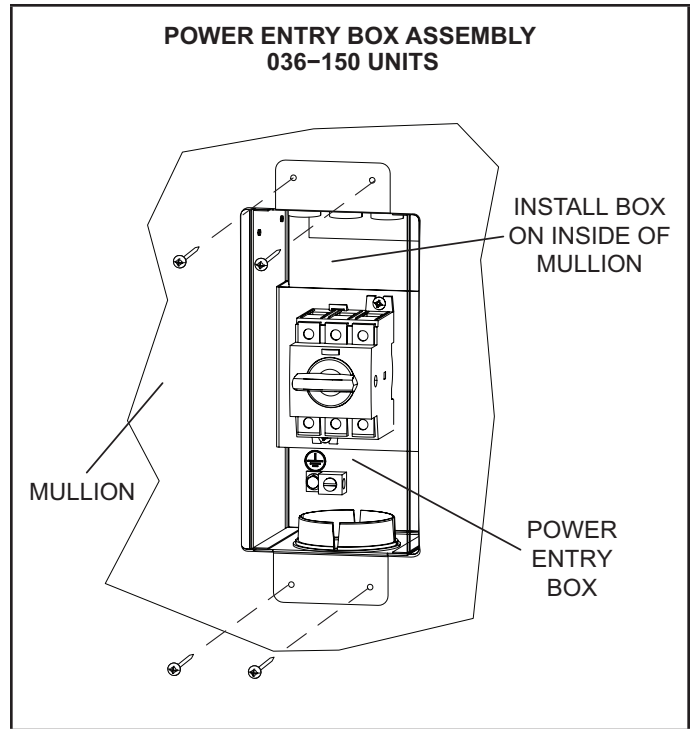
**FIGURE 6**

## Installation – ZC/ZG/ZH 092–150 Units

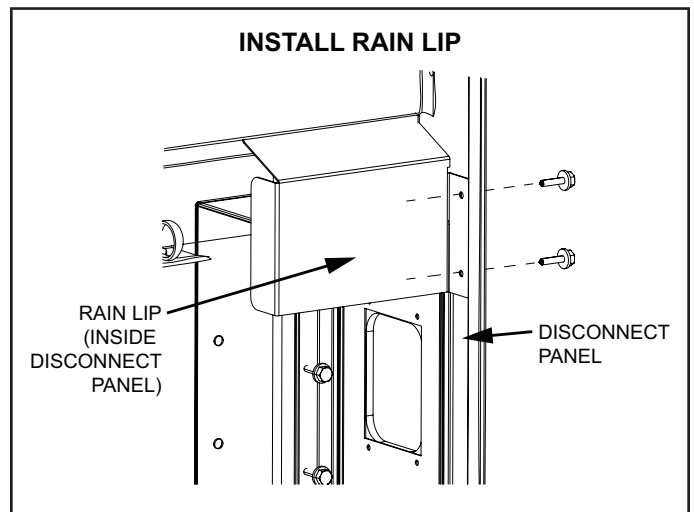
- 1 - Disconnect all power to unit and remove control access panels.
- 2 - Remove the corner mullion. Retain the screws. See FIGURE 2.
- 3 - For current units in the field, use the raceway as a template to mark the new mounting hole locations. See FIGURE 3.
- 4 - For 092 to 150 units, there will be two mullions, use the mullion that matches the unit mullion and discard the second one.
- 5 - Align the mullion and raceway. Secure it with the retained screws.
- 6 - Install the control access panel after completely connecting the disconnect wires.

## Wiring

- 1 - Open the disconnect cover and the disconnect cover box as shown in FIGURE 13.
- 2 - Route main power through field-provided conduit to power entry box. See FIGURE 9 (036-074 Units) and FIGURE 10 (092-150 Units). Refer to unit dimensions in unit installation instruction for power entry location. Connect power wiring to L1, L2, and L3 on disconnect.
- 3 - Follow the illustrations shown in FIGURE 9 (036-074 Units) and FIGURE 10 (092-150 Units) on how to route the wire from the disconnect switch to contactor K1 (036-074 Units) or terminal block TB13 (092-150 Units).
- 4 - Make wire connections as shown in FIGURE 11 when no electric heat is installed. Make wire connections as shown in FIGURE 12 when electric heat is installed with single point power supply. Refer to the component arrangement sticker on the inside of the compressor access panel for the location of K1, K2, and K3.

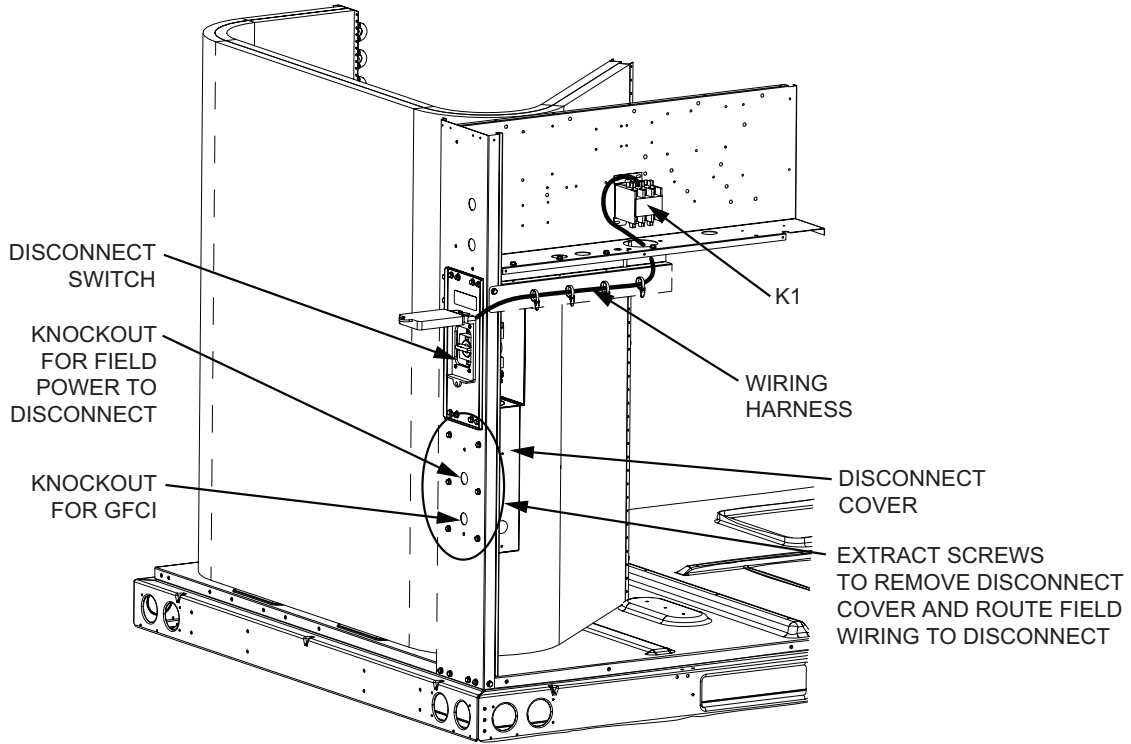


**FIGURE 7**



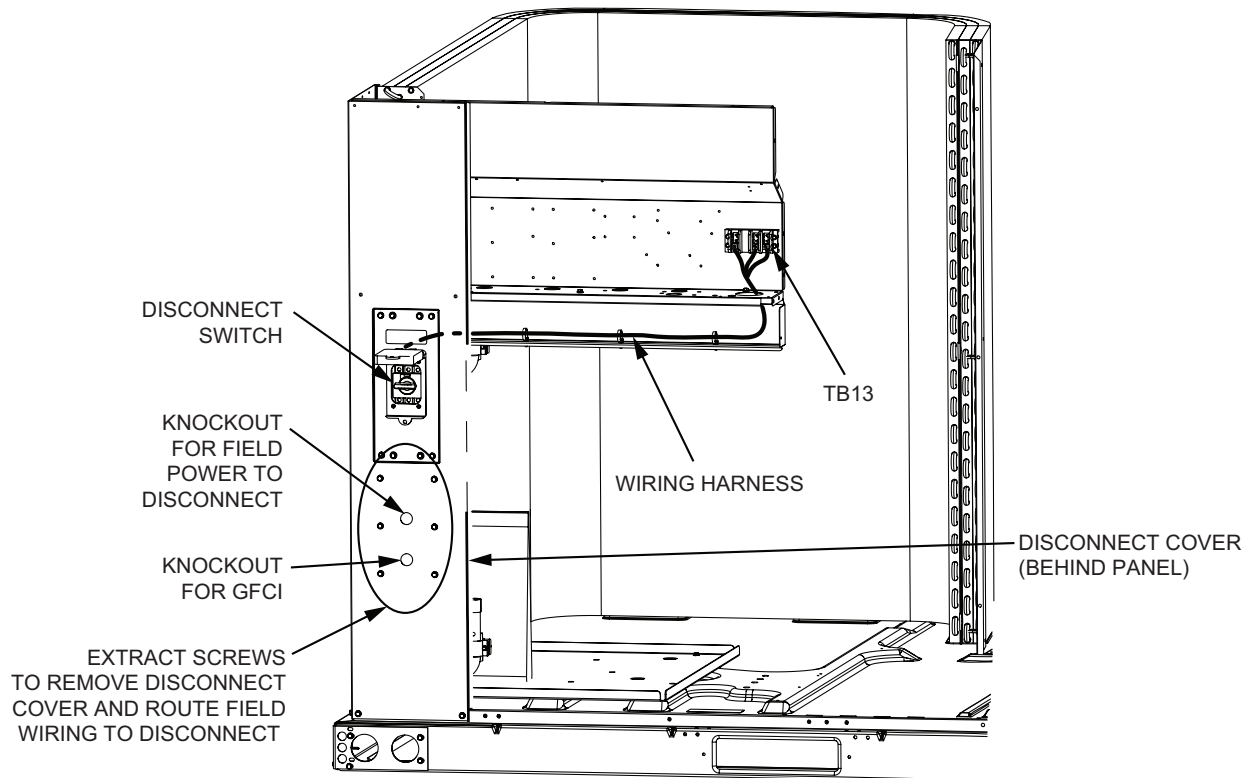
**FIGURE 8**

**FIELD WIRE ROUTING  
036-074 UNITS**

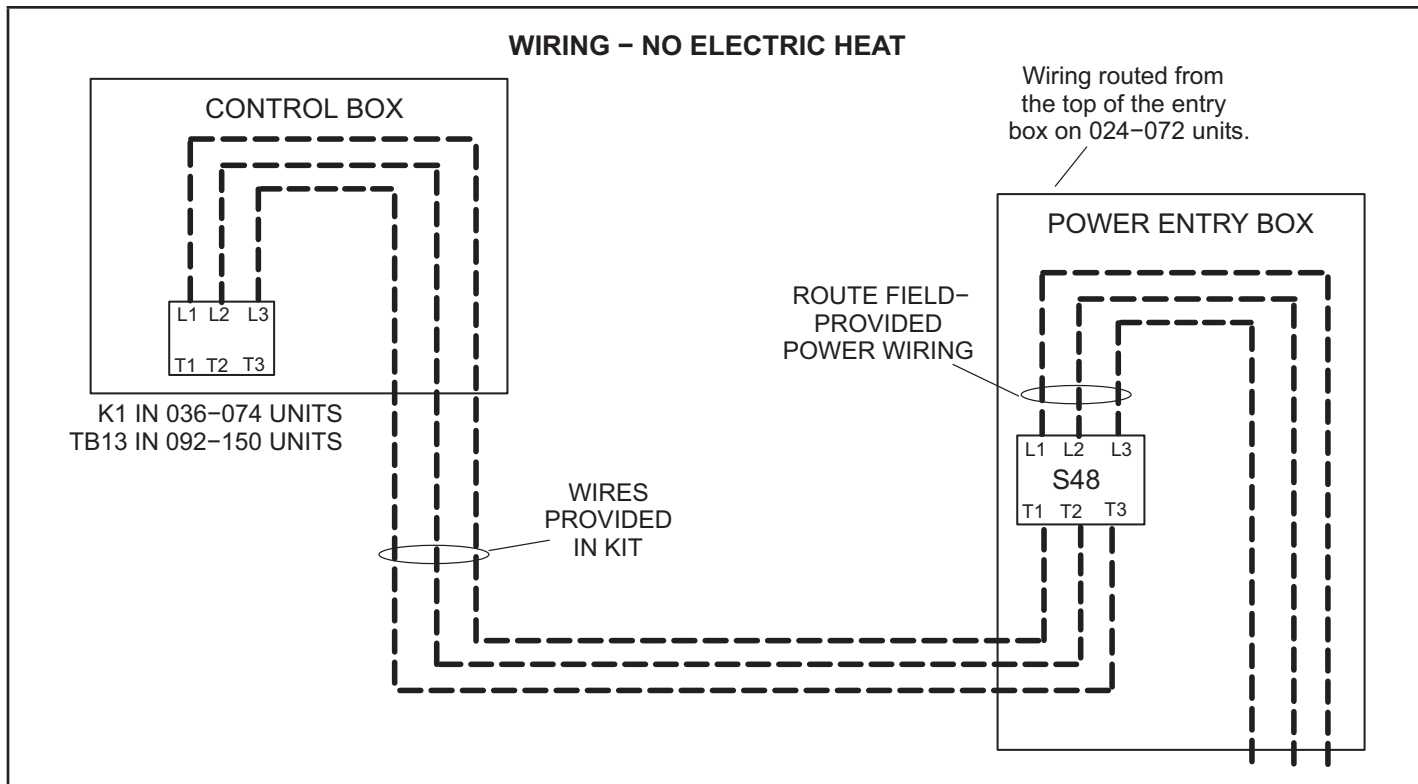


**FIGURE 9**

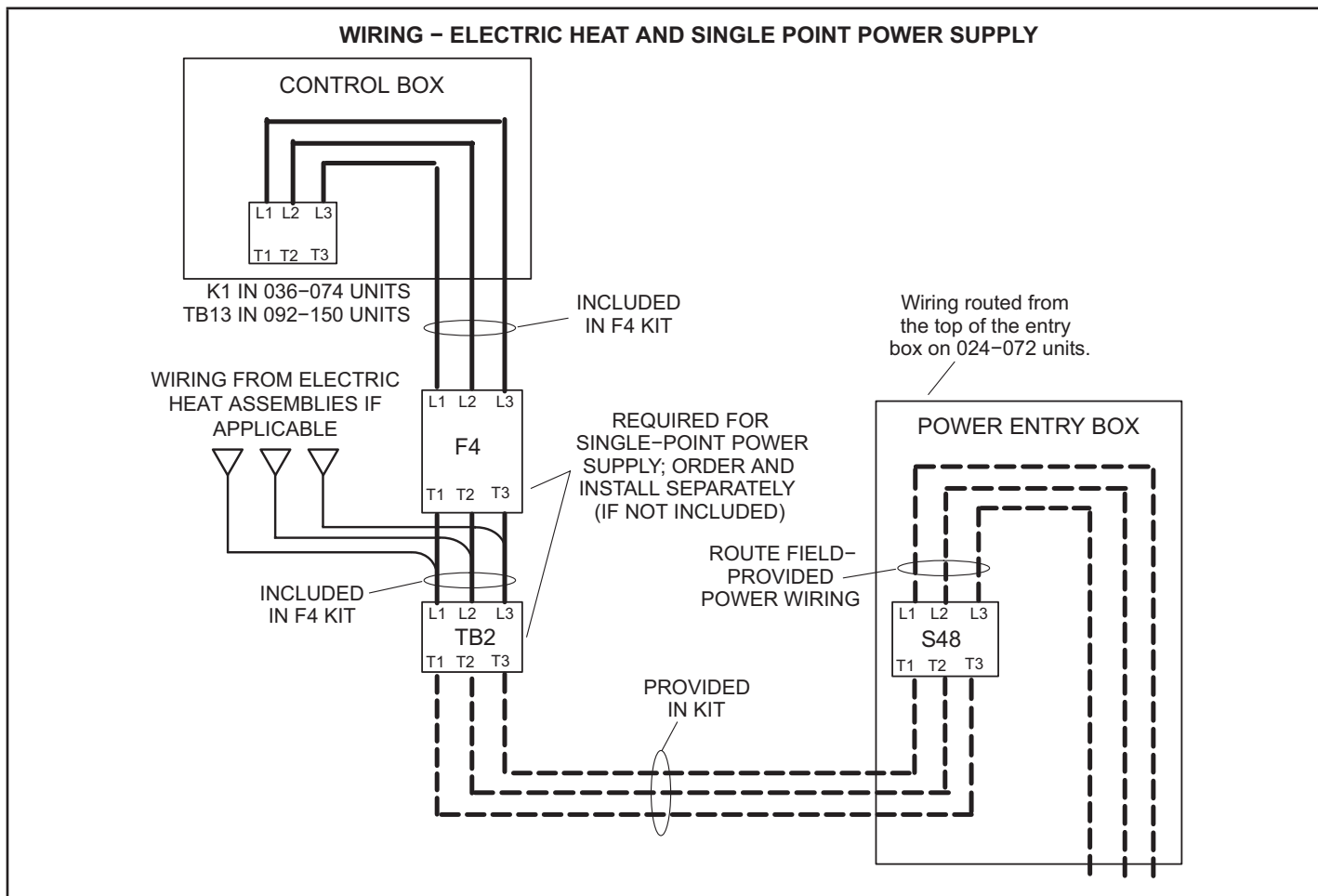
**FIELD WIRE ROUTING  
092-150 UNITS**



**FIGURE 10**



**FIGURE 11**



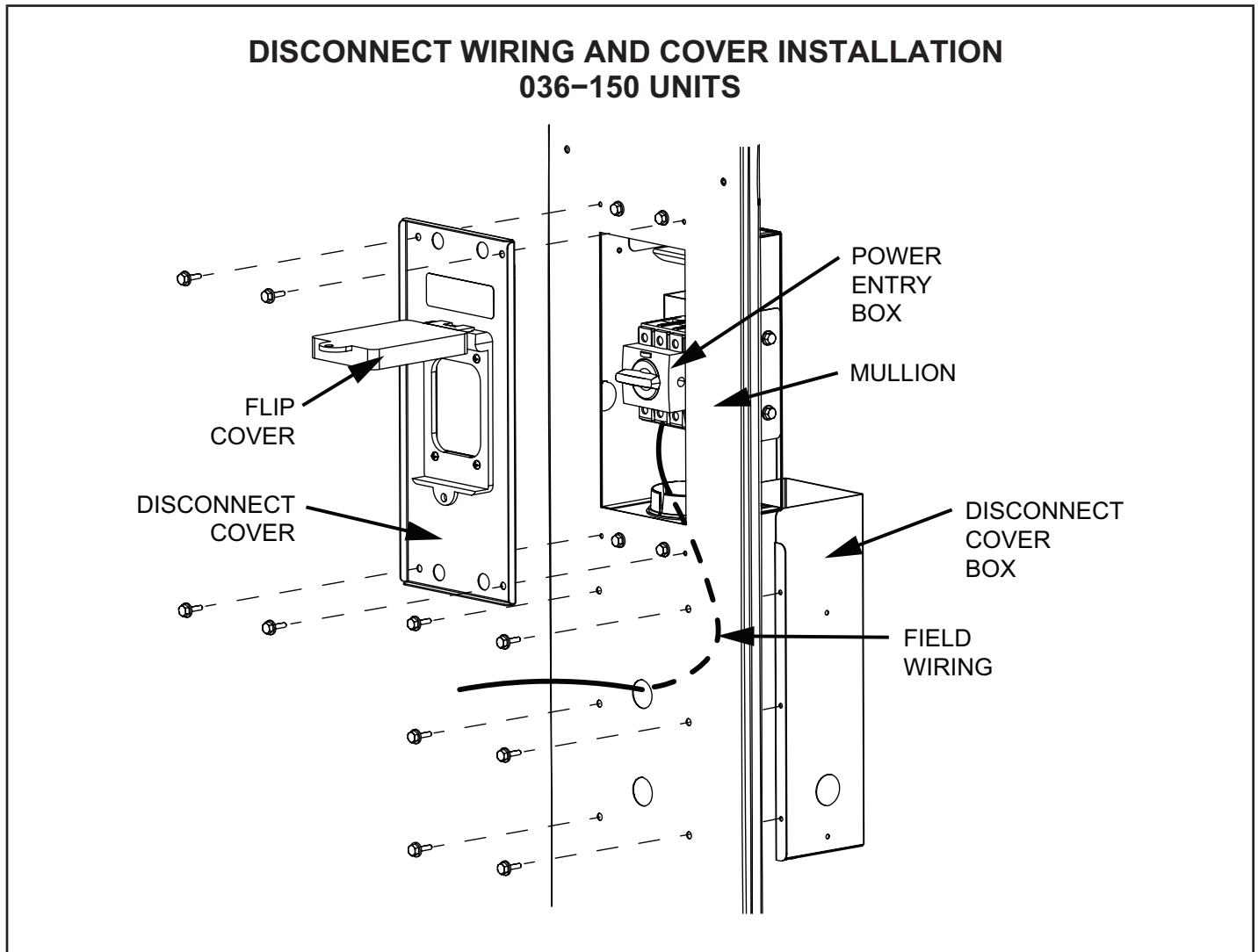
**FIGURE 12**

**Disconnect Cover – ZC/ZG/ZH 036-150  
Units**

1 - Install the disconnect cover and the disconnect cover box as shown in FIGURE 13. Make sure flip cover opens upward.

2 - Install power entry cover over power make-up box opening. Secure with screws.

3 - Install the control panel and secure the control panel cover.



**FIGURE 13**