

NATIONAL COMFORT PRODUCTS

HEATING & A/C EQUIPMENT

Heating Comfort for Multi-Family Construction

Installation Guide

Electric Heat Kit for use in
M-Series Air Handler

This unit is designed to
be installed with

NCPAH

Series:

24-M

36-M

*Please read the entire installation guide
before starting the installation.
All phases of this installation must comply
with National, State and Local codes.*

National Comfort Products®

A Division of National Refrigeration & Air Conditioning Products, Inc.

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ATTENTION INSTALLING PERSONNEL

Prior to installation, thoroughly familiarize yourself with this Installation Manual. Observe all safety warnings. During installation or repair, caution is to be observed. It is your responsibility to install the product safely and to educate the customer on its safe use.

CAUTION

- **ENSURE THAT ALL POWER IS CONNECTED PRIOR TO ATTEMPTING INSTALLATION OF THIS HEATER KIT. THERE MAY BE MORE THAN ONE DISCONNECT SERVICING THE UNIT.**
- **A MEANS OF STRAIN RELIEF AND CONDUCTOR PROTECTION MUST BE PROVIDED AT THE SUPPLY WIRE ENTRANCE INTO CABINET.**
- **USE COPPER CONDUCTORS ONLY.**
- **INSTALLATION MUST FOLLOW NATIONAL ELECTRIC CODE AND OTHER APPLICABLE CODES.**

IF THIS APPLIANCE IS INSTALLED IN AN ENCLOSED AREA SUCH AS A GARAGE OR UTILITY ROOM WITH ANY CARBON MONOXIDE PRODUCING APPLIANCE, ENSURE THE AREA IS PROPERLY VENTILATED.

Important: This Document is customer property and is to remain with this unit.

**DO NOT DESTROY OR THROW AWAY THIS MANUAL.
IT SHOULD BE KEPT IN A SAFE PLACE FOR FUTURE REFERENCE.**

Electric Heat Kit Installation Instructions

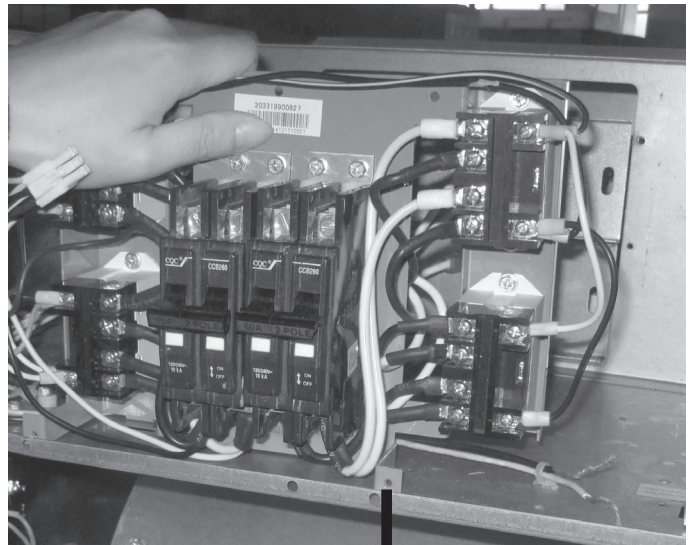
1. Remove the upper access panel from the air handler.



3. Slide the heater kit into the slot and secure element plate with previously removed screws.



4. Align the attachment clip and the hole and fasten the loose wires by using wire tie.



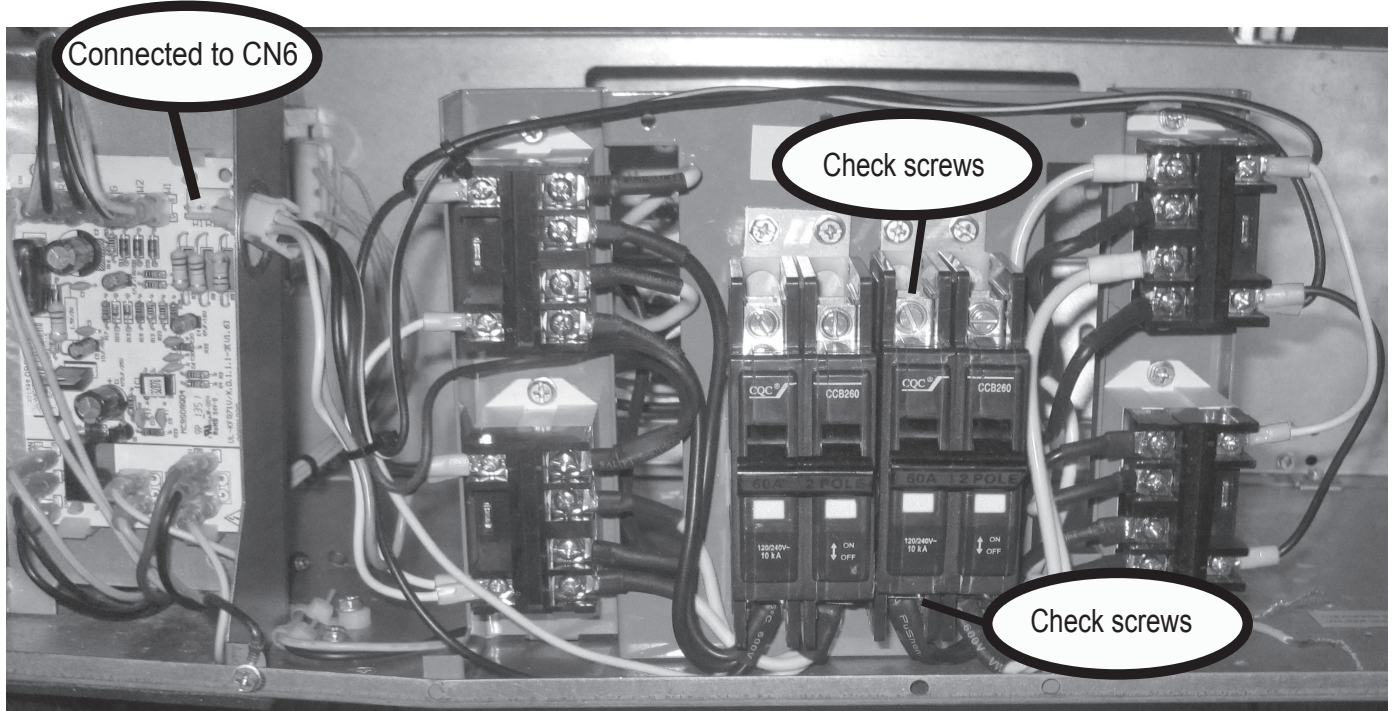
attachment
clip

2. Remove the cover plate from the air handler.



Electric Heat Kit Installation Instructions

5. Install the circuit breaker into the mounting rail, break out appropriate area of the plastic circuit breaker cover on the access panel of the air handler.



WARNING

FIRE, ELECTRICAL SHOCK, HAZARD

After connect all wires, check all screws of breaker and make sure all screws are properly tight. Failure to do so will result in breaker malfunction, fire, death, personal injure or property damage.

"EHK" Electric Heater Kits

NO.	Kit#	Description	Ref. Air Handler use
1	EHK05A(UL)	5kW Heat Strip	24, 36
2	EHK08A(UL)	7.5kW Heat Strip	24, 36
3	EHK10A(UL)	10kW Heat Strip	24, 36
4	EHK15B(UL)	15kW Heat Strip, Double Breaker's panel	36
5	EHK20B(UL)	20kW Heat Strip, Double Breaker's panel	36

NOTE:

- When indoor control board receives W1/W2 signal, electric heater will be energized and indoor blower will be turned on.
- When W1/W2 signal is off, indoor blower will be turned off after 90 seconds delay.
- Blower motor runs when "G" is energized, and a 90s off delay when "G" is de-energized.

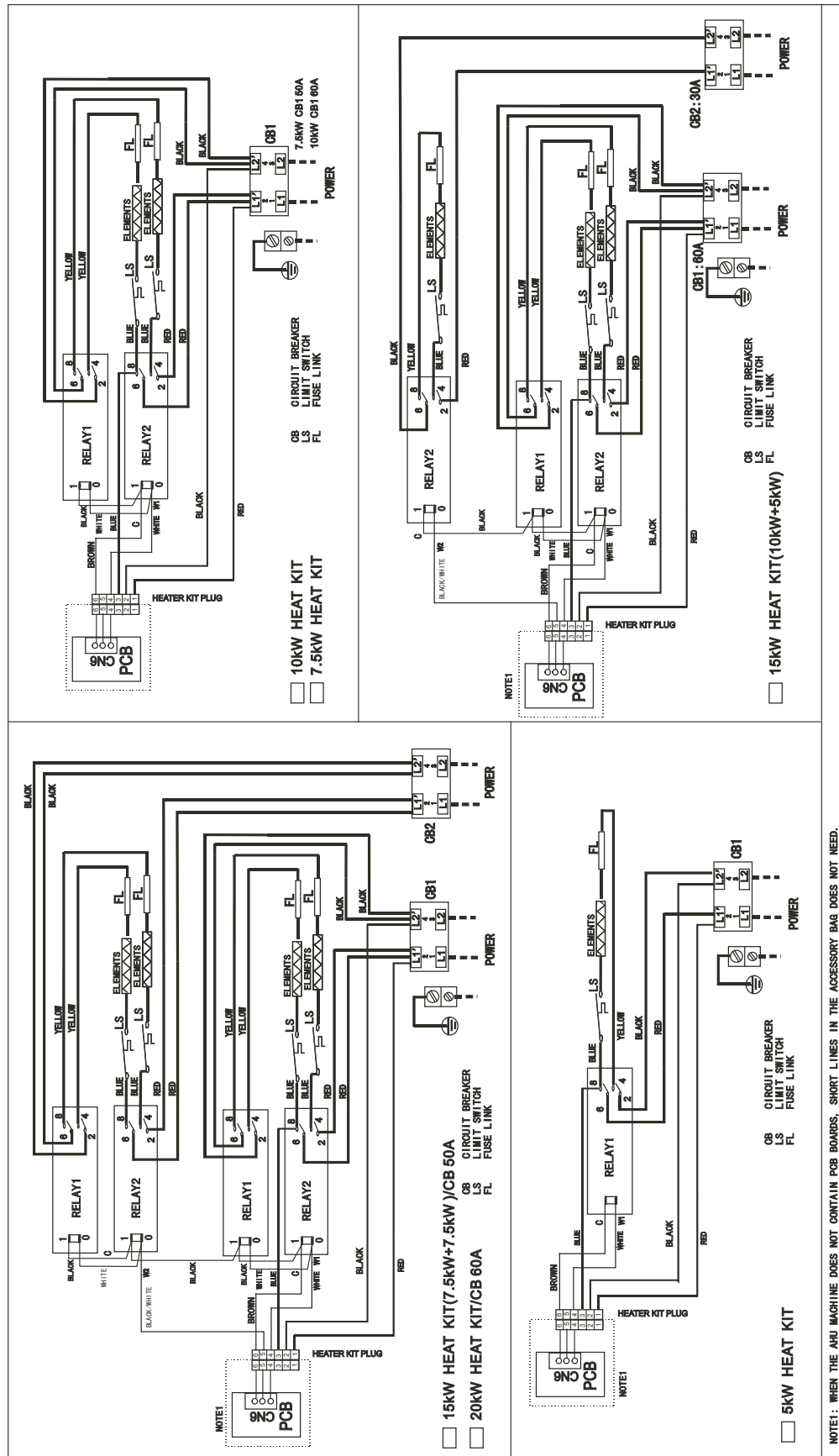
Electric Heat Kit Installation Instructions

"EHK" MCA/MOP DATA

Heat Kit Model	Air Handler Model	(kW)Electric Heat	MIN. Circuit Ampacity		MAX.Fuse or Breaker (HACR) Ampacity		Fan speed (AC/HP)		
			240	208	240	208	Low	Medium	High
EHK05A(UL)	24	5	26	23	30	25	●	●	●
EHK08A(UL)		7.5	39	34	45	40	●	●	●
EHK10A(UL)		10	52	45	60	50	--	●	●
EHK05A(UL)	36	5	26	23	30	25	●	●	●
EHK08A(UL)		7.5	39	34	45	40	●	●	●
EHK10A(UL)		10	52	45	60	50	●	●	●
EHK15B(UL)		15	78	68	90	80	--	●	●
EHK20B(UL)		20	104	90	110	100	--	--	●

* Heat kit suitable for AHU 4-way position installation (● means available, -- means not available).

Electric Heat Kit Installation Instructions





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