

⚠ CAUTION
 Physical contact with metal edges and corners while applying excessive force or rapid motion can result in personal injury. Be aware of, and use caution when working near these areas during installation or while servicing this equipment.

Electric Heat Sections

The ECB29 series electric heat sections provide field installed electric heat for CB27UH, CBX27UH, CB30M, CB30U, CBX32M and some CB31MV and CBX32MV series blower coil units. ECB29 sections are available in single-phase and three-phase. Single-phase ECB29s are equipped with either terminal blocks, fuse blocks or circuit breakers.

ECB31 series electric heat sections provide field installed electric heat for CB31MV and CBX32MV blower coil sections. ECB31 sections are equipped with circuit breakers and are available in single-phase 10kW and 20kW sizes.

Refer to the engineering handbook for specific heat section applications.

Shipping & Packing List

- Package 1 of 1 contains**
- 1 - Assembled electric heat section
 - 1 - Bag assembly containing the following:
 - 6-Screws
 - 1-Wiring diagram
 - 1 - Transformer (575V only)
 - 1 - Fuse block extension plate (460V & 575V only)
 - 2 - Adhesive-backed foam seals
- Check equipment for shipping damage. If you find any damage, immediately contact the last carrier.

INSTALLATION INSTRUCTIONS

ECB29 Series Units ECB31 Series Units

ELECTRIC HEAT SECTIONS
 505,251M
 01/08
 Supersedes 08/06



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**RETAIN THESE INSTRUCTIONS
 FOR FUTURE REFERENCE**

General Information

These instructions are a general guide and do not supersede local codes. Local authorities having jurisdiction should be consulted before installation. Read these instructions thoroughly before starting installation.

Only qualified installers or technicians should install the electric heat section and all other equipment used in HVAC systems. You **must** follow federal, state, and local codes while you install this or any other HVAC equipment.

⚠ WARNING
 If these instructions and/or codes are not followed or if the equipment is not properly installed, possible injury or death could occur during installation or operation.

Be sure to disconnect all power to the unit while you install and service this equipment. Use proper tools and protective equipment during installation and service.

Installation of Lennox blower sections with or without optional electric heat must conform with standards in the National Fire Protection Association (NFPA) "Standard for Installation of Air Conditioning and Ventilation Systems NFPA No. 90A," and "Standard for Installation of Resident Type Warm Air Heating and Air Conditioning System, No. 90B," the manufacturer's installation instructions, and local municipal building codes.

Heat Section Installation

Before installing the unit, check information on the unit rating plate to ensure that the unit meets the job specification, proper electrical power is available, and that proper duct clearances are maintained.

⚠ WARNING

Before installing or servicing unit, be sure ALL power to the unit is OFF. More than one disconnect switch may be present. Electrical shock can cause personal injury or death!

NOTE - It is easier to install the ECB29EH heat section inside the blower coil unit before the unit is set and the plenum is attached.

1. Shut off all power to the blower coil unit. More than one disconnect may be required.
2. Remove blower section access panel.
3. Remove the electric heat knockout section in the blower coil vestibule panel for the appropriate size of heater used. Remove the extended width knockout to allow for installation of 20kW heater (see figure 1).
4. Slide the electric heat section into the blower section. Be careful that the heating elements do not rub against the sheet metal opening when they slide into the blower section. The hole(s) on each side of the heater line up with holes in the blower coil control box. Secure the electric heater into place with the screws that are provided in the bag assembly.

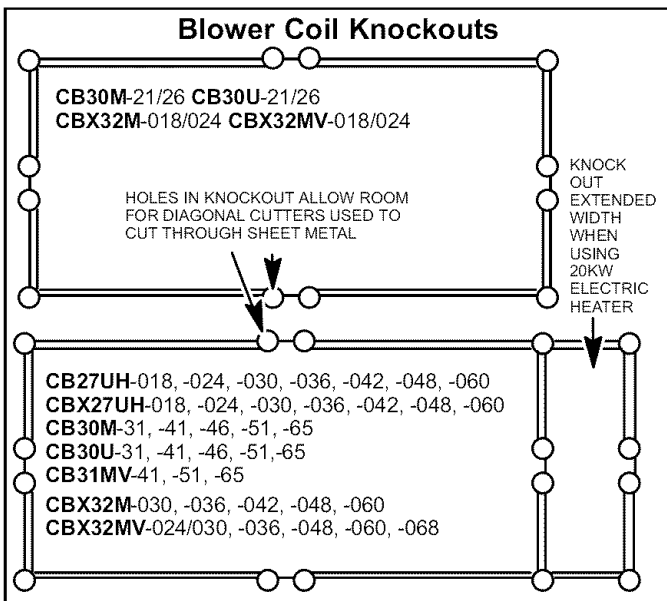


Figure 1

Circuit Breaker Installation

1. Install the circuit breaker on the blower deck flange. Use the provided screws (6) to secure (see figure 2).

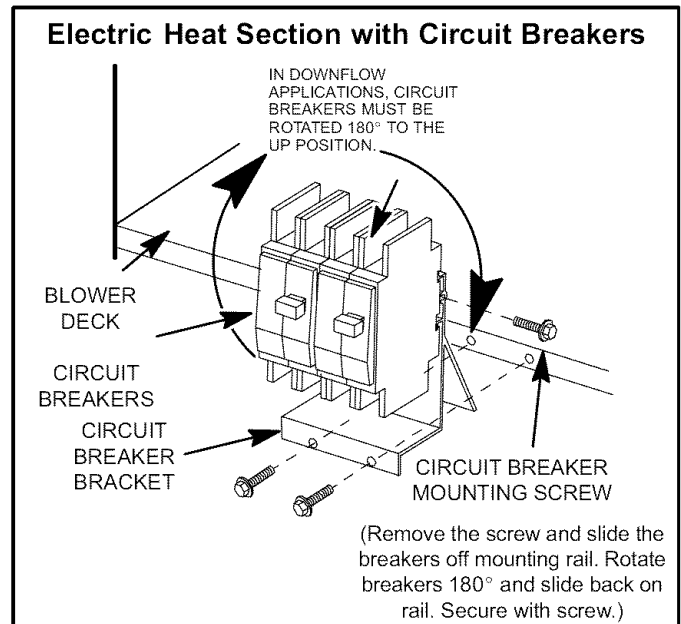


Figure 2

NOTE - When applied in the downflow position, the circuit breakers must be rotated to the UP position. See figure 2 and follow the procedure below:

- A Disconnect power to the unit if present.
- B Remove the screw and slide the breakers off the mounting rail.

NOTE - You may need to remove the wire tie that's closest to the circuit breaker to allow for rotation.

- C Rotate the circuit breaker 180°.
 - D Slide the circuit breaker back on the rail and secure in place with previously removed screw.
2. The blower coil access panels are factory supplied, and they have a patch plate over the circuit breaker opening. Remove the circuit breaker patch plate from the blower access panel. See figure 3.
 3. Replace the unit blower access door.
 4. Choose the appropriately sized adhesive-backed circuit breaker seal and remove any perforated sections (if needed). Apply the seal to the outside of the blower access panel so that the seal is snug around the circuit breakers.
 5. Break the patch plate for the specific size of electric heat unit / blower coil unit that you are installing. Discard the unused piece of patch plate. Figure 4 shows CB30M-21/26, CB30U-21/26, CBX32M-018/024 and CBX32MV-018/024 units; refer to figure 5 for all other blower coil units.
 6. Secure the patch plate on the blower access door.

Circuit Breaker Seal and Patch Plate Installation

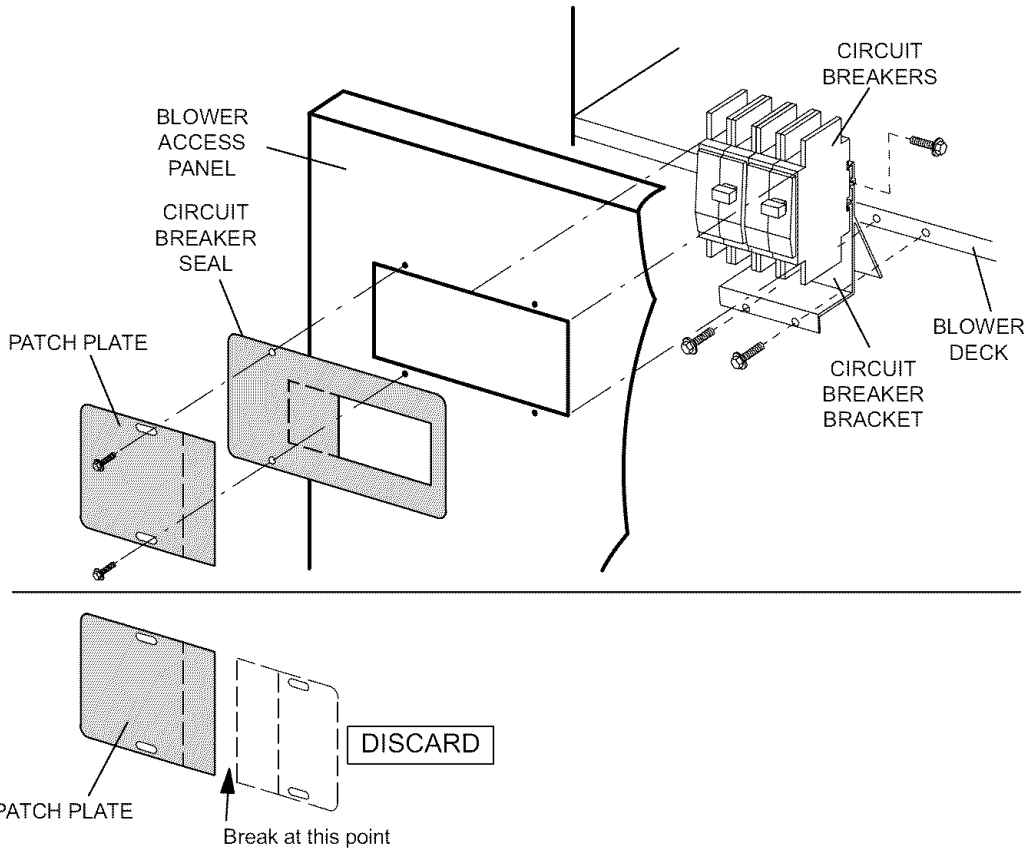
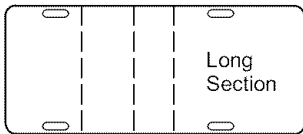


Figure 3

Circuit Breaker Heater And Patch Plate Configuration CB30M-21/26, CB30U-21/26, CBX32M-018/024 & CBX32MV-018/024

PATCH PLATE

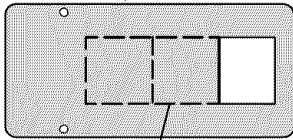
(Shipped installed on CB unit)



Patch plate shown with longest section on the right side. Patch plate may be factory installed with long section on the left side.

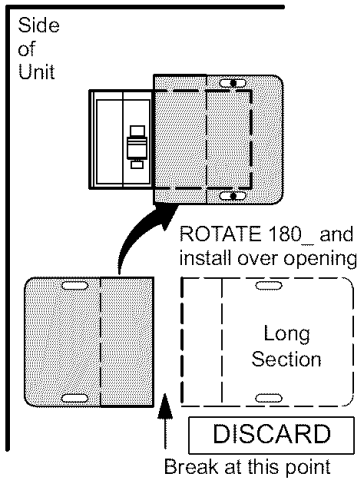
CIRCUIT BREAKER SEAL

(Shipped with electrical heat and field installed)



Dotted lines are perforations

ECB29-5CB, ECB29-6CB, ECB29-8CB, ECB29-10CB



ECB29-12.5CB ECB29-15CB

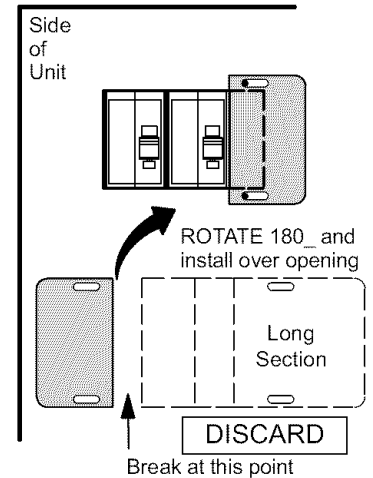


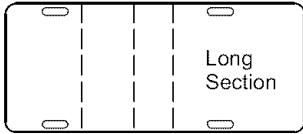
Figure 4

Circuit Breaker Heater and Patch Plate Configuration

CB27UH/CBX27UH-018, -024, -030, -036, -042, -048, -060;
CB30M-31, -41, -46, -51 -65; **CB30U**-31, -41, -46, -51, -65; **CB31M**-41, -51, -65,
CBX32M-030; -036, -042, -048, -060; **CBX32MV**-024/030, -036, -048, -060, -068

PATCH PLATE

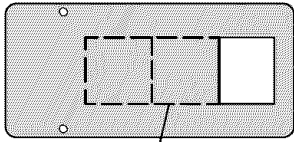
(Shipped installed on CB unit)



Patch plate shown with longest section on the right side. Patch plate may be factory installed with long section on the left side.

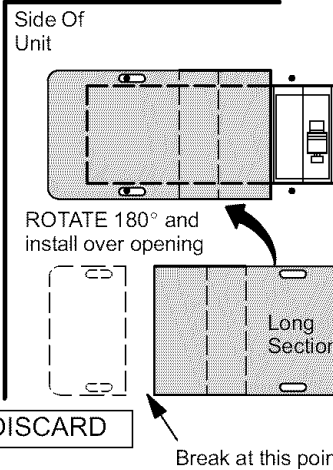
CIRCUIT BREAKER SEAL

(Shipped with electrical heat and field installed)

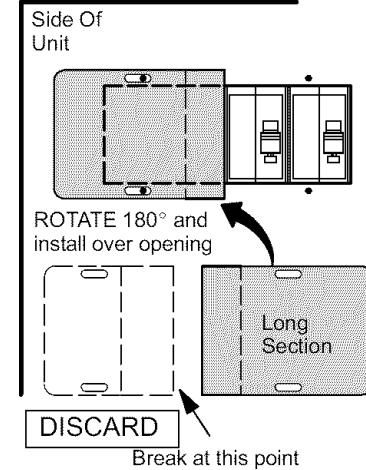


Dotted lines are perforations

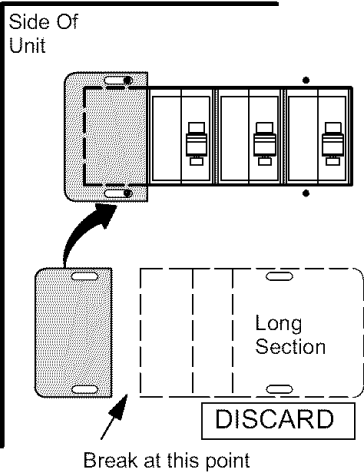
ECB29-5CB, ECB29-6CB, ECB29-8CB, ECB29-10CB



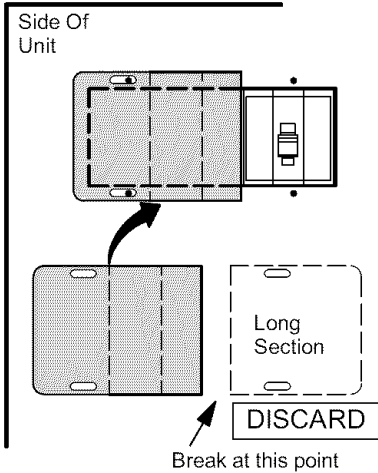
ECB31-10CB, ECB29-12.5CB ECB29-15CB, ECB29-20CB



ECB31-20CB, ECB29-25CB ECB29-30CB



ECB29-15CB 3 Ph



ECB29-20CB 3 Ph ECB29-25CB 3 Ph

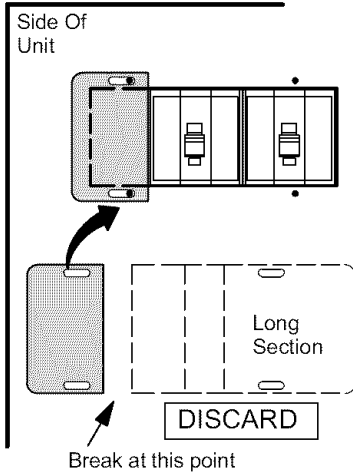


Figure 5

Blower Speed Connections

When using ECB29 or ECB31 heat section with the CB30M, CB30U, CB31MV, CBX32M and CBX32MV series blower coil units, adjust the blower speed according to the size of electric heat and blower coil unit. The **minimum blower setting** for each blower size with any heat sections in any application is **HIGH**. See specific blower coil installation instructions for blower speed adjustment procedure and location.

Electrical Connections

⚠ WARNING

USE COPPER CONDUCTORS ONLY.

NOTE - Refer to the nameplate on the blower coil unit for minimum circuit ampacity and maximum overcurrent protection size.

The blower coil units are provided with openings to be used with 1-1/2 inch trade size (1-31/32 inch diameter) conduit. A conduit reducer washer has been provided if you are installing a smaller conduit.

For single-point power supply, refer to the nameplate on the single-point power supply accessory for minimum circuit ampacity and maximum overcurrent protection size. Select the proper supply circuit conductors in accordance with tables 310-16 and 310-17 in the National Electric Code, ANSI/NFPA No. 70 or tables 1 through 4 in the Canadian Electric Code, Part I, CSA Standard C22.1.

Refer to figure 7 for typical condensing unit application and figure 8 for typical heat pump application with a blower coil unit and electric heat section. Figure 10 shows wiring for a 20KW unit.

Refer to figures 11 through 15 for typical system diagrams for all units with installed electric heat sections.

Make wiring connections

1. Make wiring connections as follows

Heaters equipped with circuit breakers—Connect field power supply wiring to circuit breaker(s)

Heaters equipped with terminal blocks—Connect field power supply wiring to terminal block(s).

Heaters equipped with fuses (G and J voltage)—Connect field power supply wiring to fuse block. (An extension plate is provided for J voltage units.)

2. Remove the interface harness from the blower coil unit and connect the plug from the heater to the matching plug inside blower coil unit.

NOTE - J voltage (575V) heaters are shipped with a line voltage to 460V transformer. This transformer provides 460V power to the blower motor only. See figure 6.

3. **If using a two-stage thermostat**—Remove the jumper between terminals “W2” and “R” of TB1 terminal block and connect the second stage heat bulb lead to “W2”.

4. **If using an outdoor thermostat**—Remove the jumper between terminals “W2” and “R” of TB1 terminal block and connect leads to “W2” and “R”.

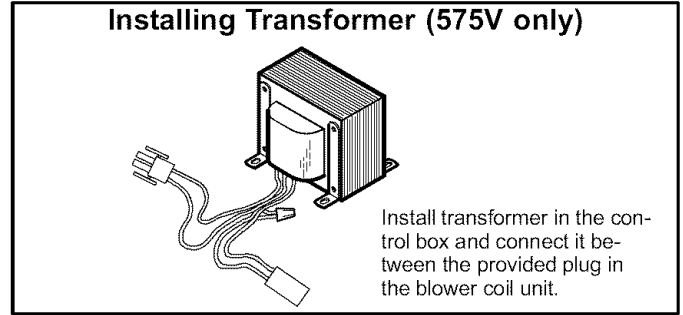


Figure 6

Unit Start-Up

1. Replace the blower compartment access cover.
2. Restore power to the unit.
3. Set the thermostat heat anticipator to 0.4 amps.
4. Set the thermostat above room temperature.
5. Check the heat pump and the heat section for normal operation.
6. Set the thermostat to desired setting.
7. Affix the wiring diagram sticker to blower scroll aligned with CB unit wiring diagram sticker.

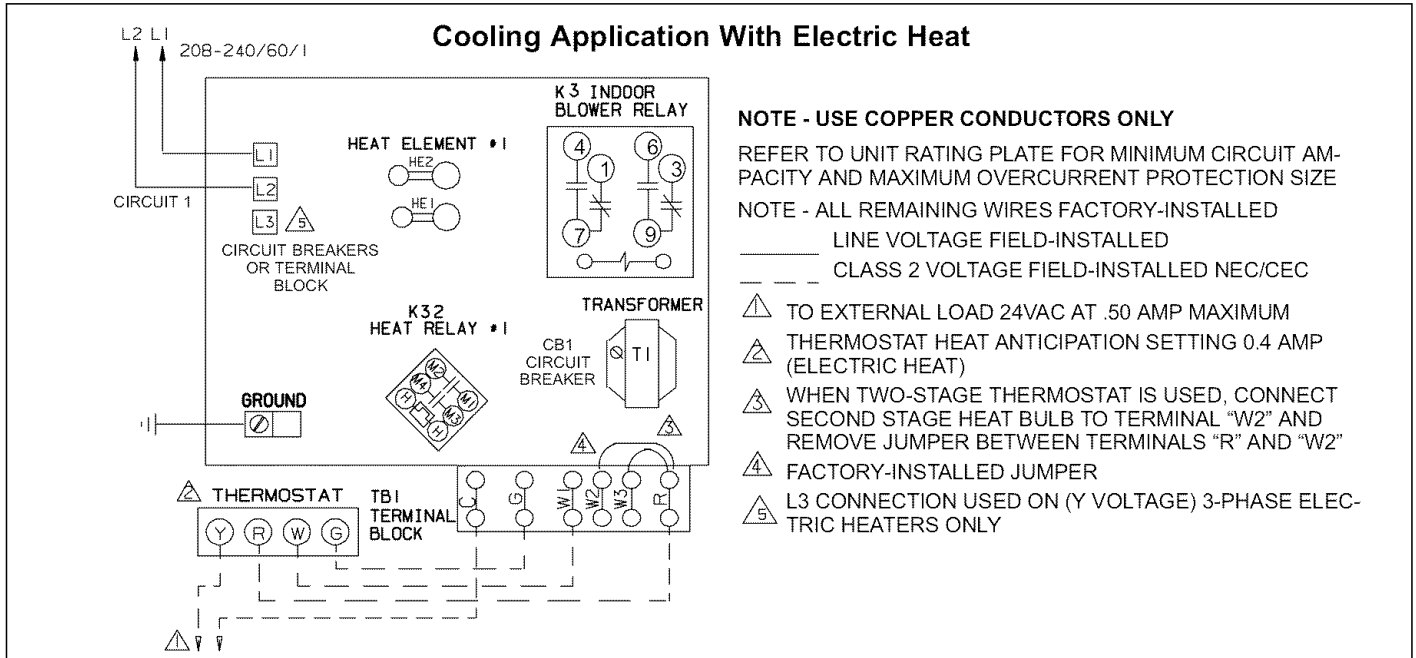
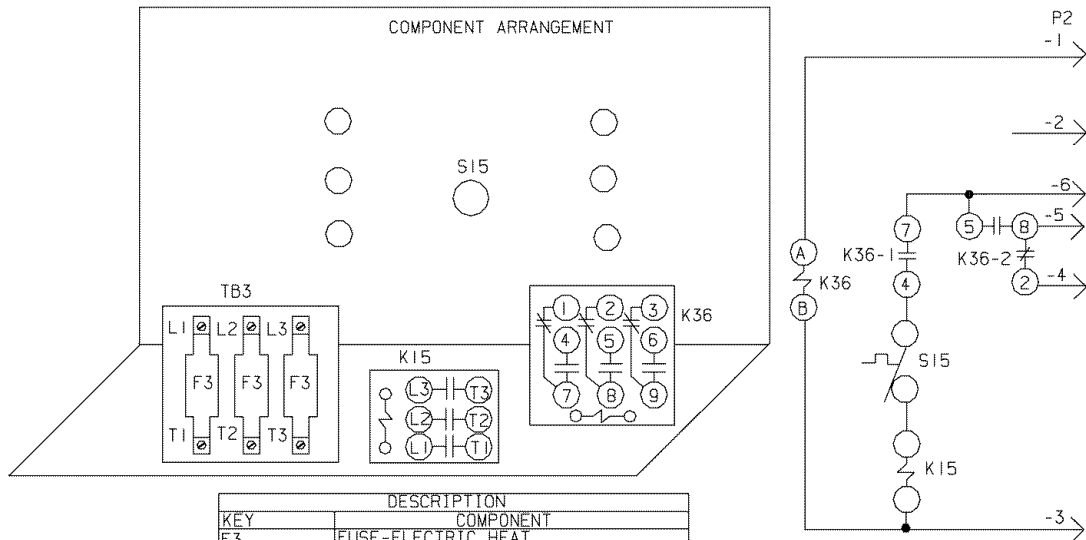
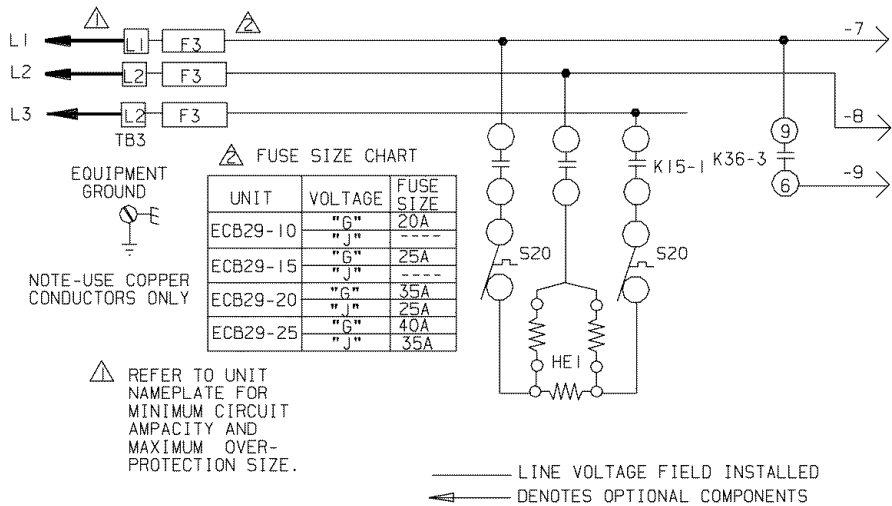


Figure 7

Wiring for Models -10, -15, -20 and -25 KW Electric Heat (G Voltage)



KEY	COMPONENT
F3	FUSE-ELECTRIC HEAT
HE1	ELEMENT-ELECTRIC HEAT
K15, -1	CONTACTOR-ELECTRIC HEAT
K36, -1, 2, 3	RELAY-HEAT BLOWER
P2	PLUG-ELECTRIC HEAT
S15	SWITCH-LIMIT, PRIMARY, AUTO RESET
S20	SWITCH-LIMIT, SECONDARY, ELECT., HT
TB3	TERMINAL BLOCK-ELECTRIC HEAT



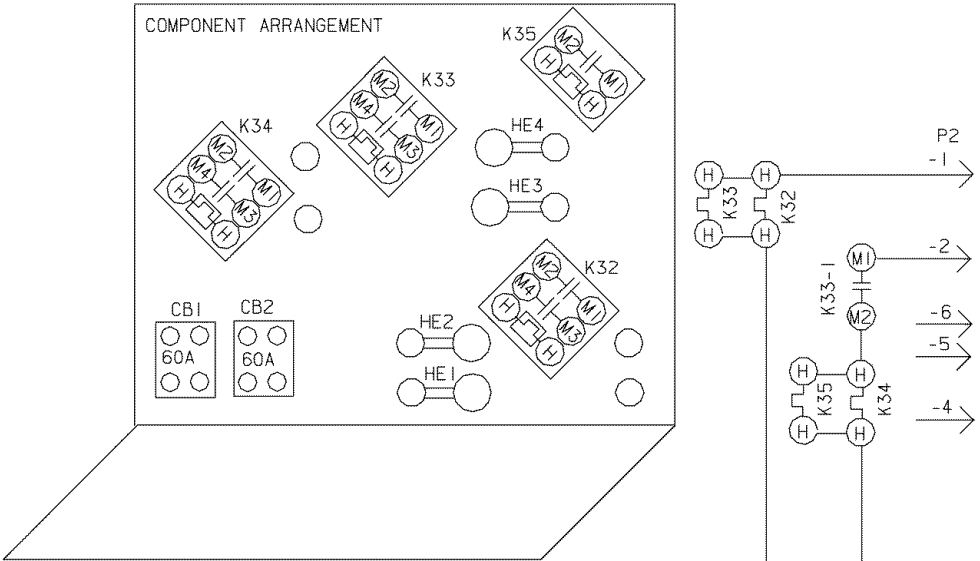
LENNOX [®] <small>Industries Inc.</small>	WIRING DIAGRAM	1/96
HEATING UNITS-ELECTRIC		
ECB29-10, 15, 20, 25-1-G ECB29-20, 25-1-J		
Supersedes Form No.	New Form No. 531, 708W	

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Figure 9

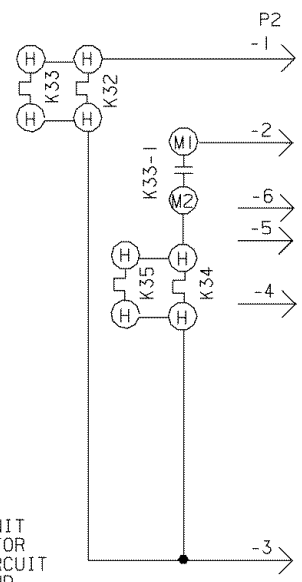
Wiring for 20CB-3 KW Electric Heat (P Voltage)



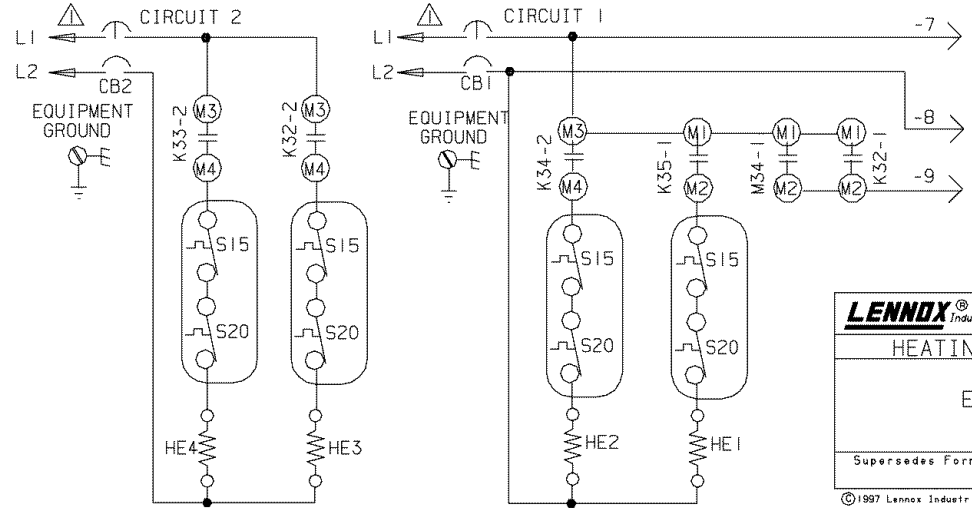
DESCRIPTION	
KEY	COMPONENT
CB1	CIRCUIT BREAKER-ELECTRIC HEAT
CB2	CIRCUIT-BREAKER-ELECTRIC HEAT
HE1,2	ELEMENT-ELECTRIC HEAT
HE3,4	ELEMENT-ELECTRIC HEAT
P2	PLUG-ELECTRIC HEAT
K32,-1,2	RELAY-SEQUENCER,ELECTRIC HEAT
K33,-1,2	RELAY-SEQUENCER,ELECTRIC HEAT
K34,-1,2	RELAY-SEQUENCER,ELECTRIC HEAT
K35,-1,2	RELAY-SEQUENCER,ELECTRIC HEAT
S15	SWITCH-LIMIT,PRIMARY,AUTO RESET
S20	SWITCH-LIMIT,SECONDARY

⚠
REFER TO UNIT
NAMEPLATE FOR
MINIMUM CIRCUIT
AMPACITY AND
MAXIMUM OVER-
PROTECTION SIZE.

— LINE VOLTAGE FIELD INSTALLED
 ◀ DENOTES OPTIONAL COMPONENTS



NOTE-USE COPPER
CONDUCTORS ONLY



LENNOX Industries Inc.		WIRING DIAGRAM 9/97
HEATING UNITS-ELECTRIC		
ECB29-20CB-3-P		
Supersedes Form No.	New Form No.	
	532,670W	
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Figure 10

CB27UH, CBX27UH Blower Coil Unit with Installed Electric Heat — P Voltage

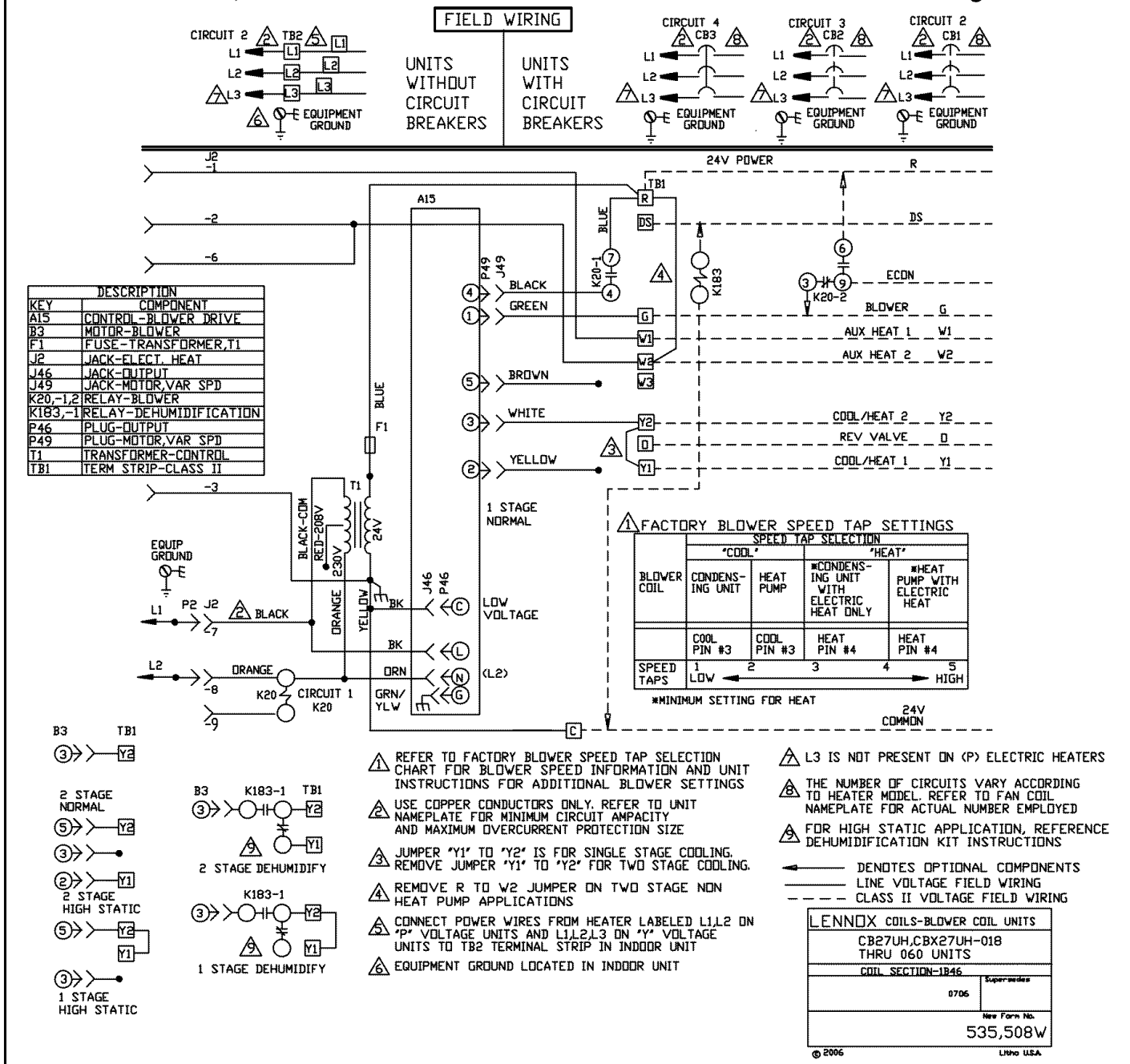
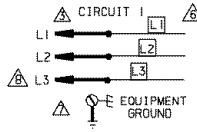


Figure 11

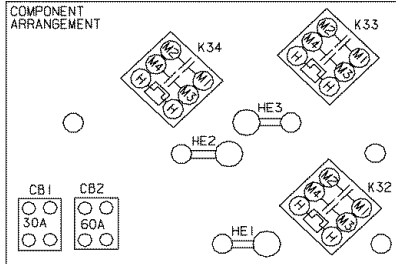
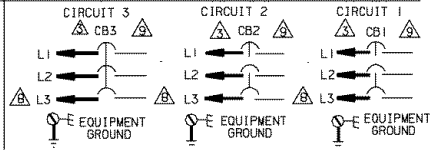
CB30M, CB30U Blower Coil Unit with Installed Electric Heat — P Voltage

- DENOTES OPTIONAL COMPONENTS
- LINE VOLTAGE FIELD WIRING
- CLASS II VOLTAGE FIELD WIRING
- △ REFER TO FACTORY BLOWER SPEED TAP SELECTION CHART ON UNIT FOR BLOWER SPEED INFORMATION
- △ NEC/CEC CLASS 2 3VA
- △ USE COPPER CONDUCTORS ONLY. REFER TO UNIT NAMEPLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM OVER-PROTECTION SIZE.
- △ CONNECT POWER WIRES FROM HEATER LABELED L1, L2 ON "P" VOLTAGE UNITS AND L1, L2, L3 ON "M" VOLTAGE UNITS TO TB2 TERMINAL STRIP IN INDOOR UNIT.
- △ EQUIPMENT GROUND LOCATED IN INDOOR UNIT
- △ L3 IS NOT PRESENT ON (P) ELECTRIC HEATERS
- △ THE NUMBER OF CIRCUITS VARY ACCORDING TO HEATER MODEL. REFER TO FAN COIL NAMEPLATE FOR ACTUAL NUMBER EMPLOYED

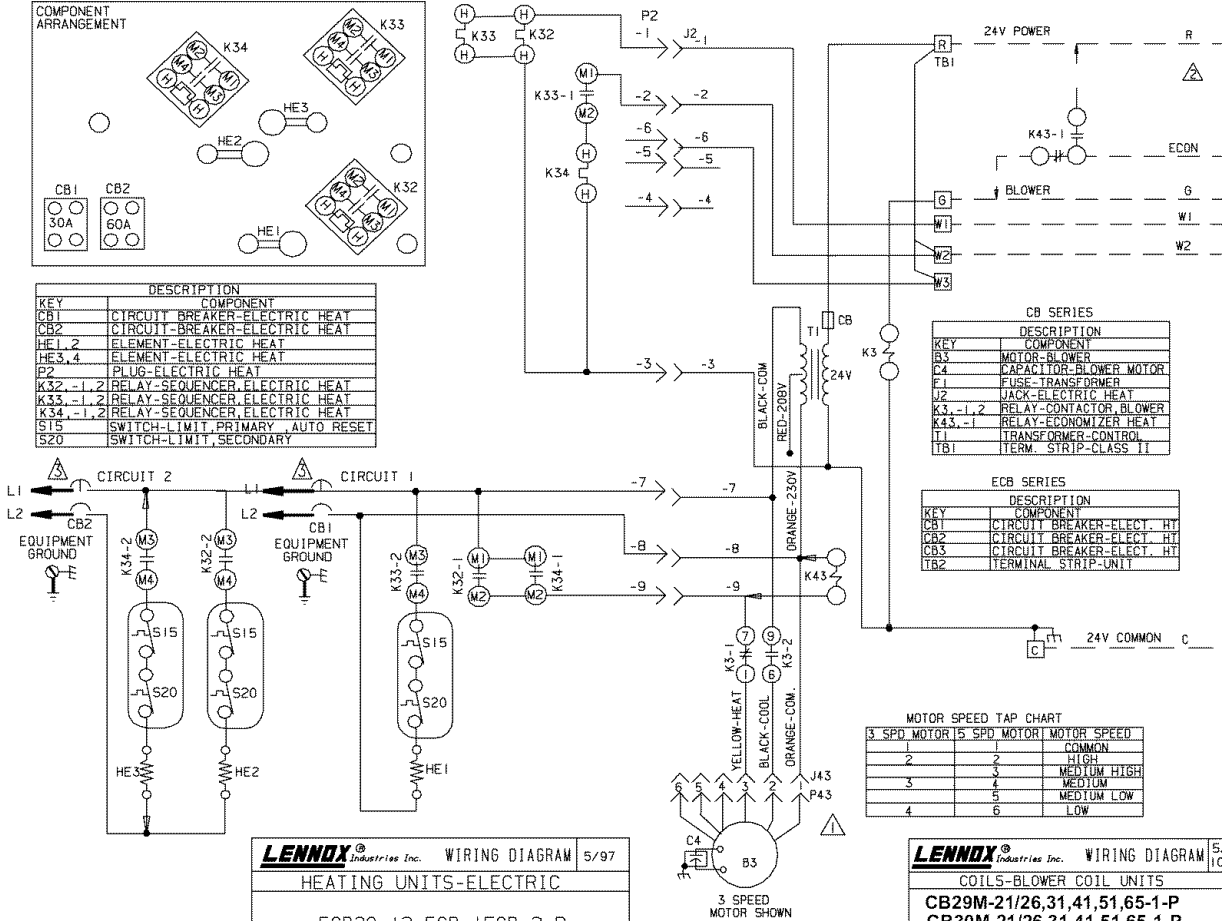
FIELD WIRING FOR ECB SERIES UNITS WITHOUT CIRCUIT BREAKERS



FIELD WIRING FOR ECB SERIES UNITS WITH CIRCUIT BREAKERS



KEY	DESCRIPTION	COMPONENT
CB1	CIRCUIT BREAKER-ELECTRIC HEAT	
CB2	CIRCUIT BREAKER-ELECTRIC HEAT	
HE1, 2	ELEMENT-ELECTRIC HEAT	
HE3, 4	ELEMENT-ELECTRIC HEAT	
P2	PLUG-ELECTRIC HEAT	
K32, -1, 2	RELAY-SEQUENCER, ELECTRIC HEAT	
K33, -1, 2	RELAY-SEQUENCER, ELECTRIC HEAT	
K34, -1, 2	RELAY-SEQUENCER, ELECTRIC HEAT	
S15	SWITCH-LIMIT, PRIMARY, AUTO RESET	
S20	SWITCH-LIMIT, SECONDARY	



KEY	DESCRIPTION	COMPONENT
B3	MOTOR-BLOWER	
C4	CAPACITOR-BLOWER MOTOR	
F1	FUSE-TRANSFORMER	
J2	JACK-ELECTRIC HEAT	
K3, -1, 2	RELAY-CONTACTOR, BLOWER	
K43, -1	RELAY-ECONOMIZER HEAT	
T1	TRANSFORMER-CONTROL	
TB1	TERM. STRIP-CLASS II	

KEY	DESCRIPTION	COMPONENT
CB1	CIRCUIT BREAKER-ELECT. HT	
CB2	CIRCUIT BREAKER-ELECT. HT	
CB3	CIRCUIT BREAKER-ELECT. HT	
TB2	TERMINAL STRIP-UNIT	

3 SPD MOTOR	5 SPD MOTOR	MOTOR SPEED
1	1	COMMON
2	2	HIGH
3	3	MEDIUM HIGH
4	4	MEDIUM
5	5	MEDIUM LOW
6	6	LOW

LENNOX Industries Inc. WIRING DIAGRAM 5/97

HEATING UNITS-ELECTRIC

ECB29-12.5CB, 15CB-2-P

Supersedes Form No. 532, 524W New Form No. 531, 613W

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LENNOX Industries Inc. WIRING DIAGRAM 5/95

COILS-BLOWER COIL UNITS

CB29M-21/26, 31, 41, 51, 65-1-P

CB30M-21/26, 31, 41, 51, 65-1-P

CB30U-21/26, 31, 41, 51, 65-1-P

COIL SECTION-

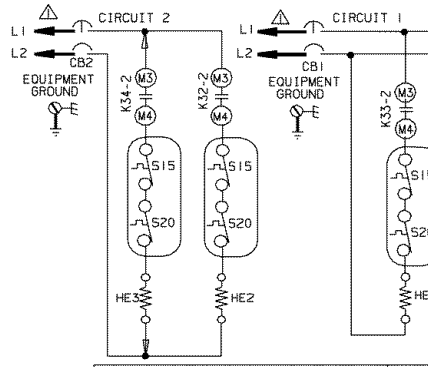
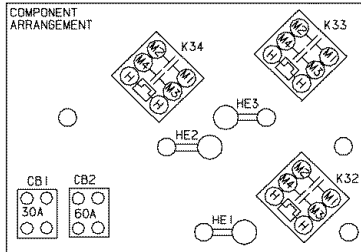
Supersedes Form No. 531, 613W New Form No. 531, 613W

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Figure 12

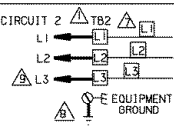
CB31MV Blower Coil Unit with installed Electric Heat — P Voltage

- DENOTES OPTIONAL COMPONENTS
- LINE VOLTAGE FIELD WIRING
- CLASS II VOLTAGE FIELD WIRING
- NOTE—USE COPPER CONDUCTORS ONLY.
- △ REFER TO UNIT NAMEPLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM OVER-PROTECTION SIZE.
- △ REFER TO FACTORY BLOWER SPEED TAP SELECTION CHART ON UNIT FOR BLOWER SPEED INFORMATION
- △ WHEN TWO STAGE THERMOSTAT IS USED, CONNECT SECOND STAGE HEAT BULB TO TERMINAL "W2" AND REMOVE JUMPER BETWEEN TERMINALS "R1" & "W2"
- △ WHEN CB31 IS MATED WITH CONDENSING UNIT, CONNECT JUMPER BETWEEN "R1" & "O"
- △ WHEN HUMIDITY CONTROL (A20) IS NOT USED IN COMBINATION WITH TWO SPEED COMPRESSOR, CONNECT JUMPER BETWEEN "Y2" AND "DS"
- △ WHEN HUMIDITY CONTROL (A20) IS NOT USED IN COMBINATION WITH SINGLE SPEED COMPRESSOR, CONNECT JUMPER BETWEEN "Y1" AND "DS"
- △ CONNECT POWER WIRES FROM HEATER LABELED L1,L2 ON "P" VOLTAGE UNITS AND L1,L2,L3 ON "Y" VOLTAGE UNITS TO TB2 TERMINAL STRIP IN INDOOR UNIT.
- △ EQUIPMENT GROUND LOCATED IN INDOOR UNIT
- △ L3 IS NOT PRESENT ON (P) ELECTRIC HEATERS
- △ THE NUMBER OF CIRCUITS VARY ACCORDING TO HEATER MODEL. REFER TO FAN COIL NAMEPLATE FOR ACTUAL NUMBER EMPLOYED

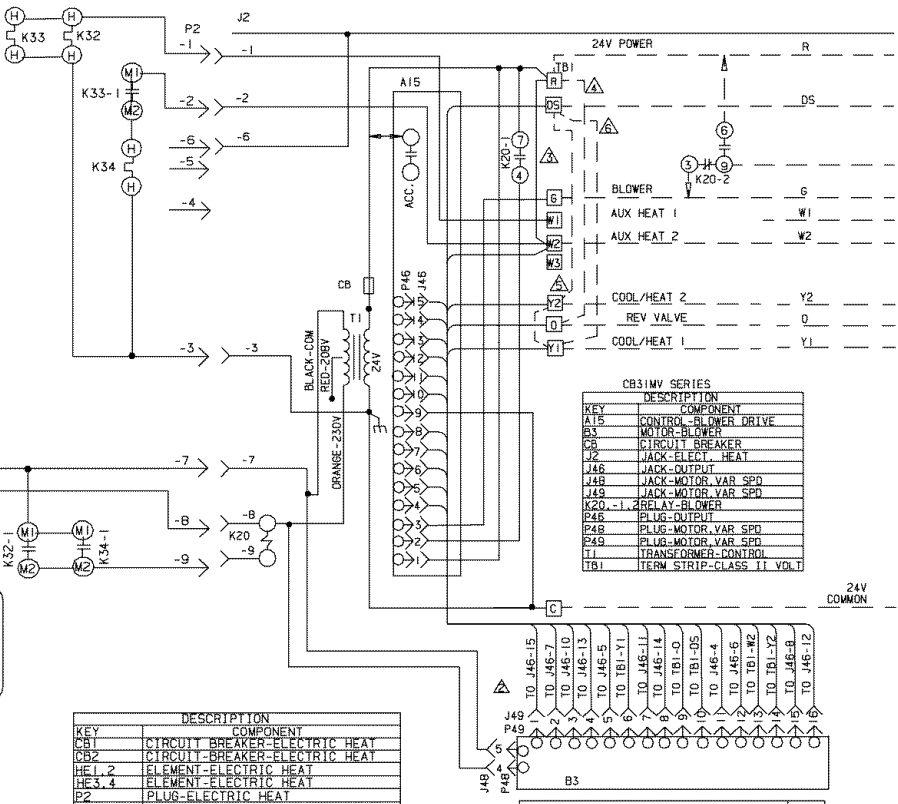
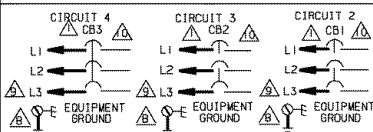


LENNOX Industries Inc. WIRING DIAGRAM 5/97
 HEATING UNITS-ELECTRIC
 ECB29-12.5CB, 15CB-2-P
 Superseded Form No. 532,524W
 New Form No. 532,524W
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FIELD WIRING FOR ECB UNITS WITHOUT CIRCUIT BREAKERS



FIELD WIRING FOR ECB UNITS WITH CIRCUIT BREAKERS



KEY	DESCRIPTION
A15	CONTROL-BLOWER DRIVE
B3	MOTOR-BLOWER
CB	CIRCUIT BREAKER
J2	JACK-ELECT. HEAT
J46	JACK-OUTPUT
J48	JACK-MOTOR, VAR SPD
J49	JACK-MOTOR, VAR SPD
K20-1	RELAY-BLOWER
P48	PLUG-OUTPUT
P49	PLUG-MOTOR, VAR SPD
P49	PLUG-MOTOR, VAR SPD
T1	TRANSFORMER-CONTROL
TB1	TERM. STRIP-CLASS II VOLT

KEY	DESCRIPTION
CB1	CIRCUIT BREAKER-ELECTRIC HEAT
CB2	CIRCUIT BREAKER-ELECTRIC HEAT
HE1-2	ELEMENT-ELECTRIC HEAT
HE3-4	ELEMENT-ELECTRIC HEAT
P2	PLUG-ELECTRIC HEAT
K32-1,2	RELAY-SEQUENCER-ELECTRIC HEAT
K33-1,2	RELAY-SEQUENCER-ELECTRIC HEAT
K34-1,2	RELAY-SEQUENCER-ELECTRIC HEAT
S15	SWITCH-LIMIT, PRIMARY, AUTO RESET
S20	SWITCH-LIMIT, SECONDARY

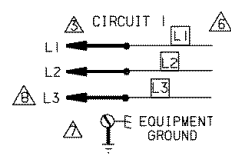
LENNOX Industries Inc. WIRING DIAGRAM 11/95
 COILS-BLOWER COIL UNITS
 CB31MV-41, 51, 65-1-P
 COIL SECTION-1B46
 Superseded Form No. 531,762W
 New Form No. 531,762W
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Figure 13

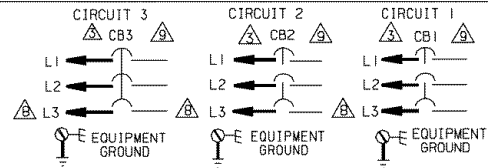
CBX32M Blower Coil Unit with installed Electric Heat — P Voltage

- LINE VOLTAGE FIELD WIRING
- - CLASS II VOLTAGE FIELD WIRING
- ⚠ REFER TO FACTORY BLOWER SPEED TAP SELECTION CHART ON UNIT FOR BLOWER SPEED INFORMATION.
- ⚠ NEC/CEC CLASS 2 3VA
- ⚠ USE COPPER CONDUCTORS ONLY. REFER TO UNIT RATING PLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM OVERCURRENT PROTECTION SIZE
- ⚠ L3 CONNECTION USED ON (Y) ELECTRIC HEATERS ONLY
- ⚠ CBB USED ON 04B AND 060 UNITS ONLY
- ⚠ CONNECT POWER WIRES FROM HEATER LABELED L1,L2,L3 ON "P" VOLTAGE UNITS AND L1,L2,L3 ON "Y" VOLTAGE UNITS TO TB2 TERMINAL STRIP IN INDOOR UNIT.
- ⚠ EQUIPMENT GROUND LOCATED IN INDOOR UNIT
- ⚠ L3 IS NOT PRESENT ON (P) ELECTRIC HEATERS
- ⚠ THE NUMBER OF CIRCUITS VARY ACCORDING TO HEATER MODEL. REFER TO FAN COIL NAMEPLATE FOR ACTUAL NUMBER EMPLOYED

FIELD WIRING FOR ECB SERIES UNITS WITHOUT CIRCUIT BREAKERS



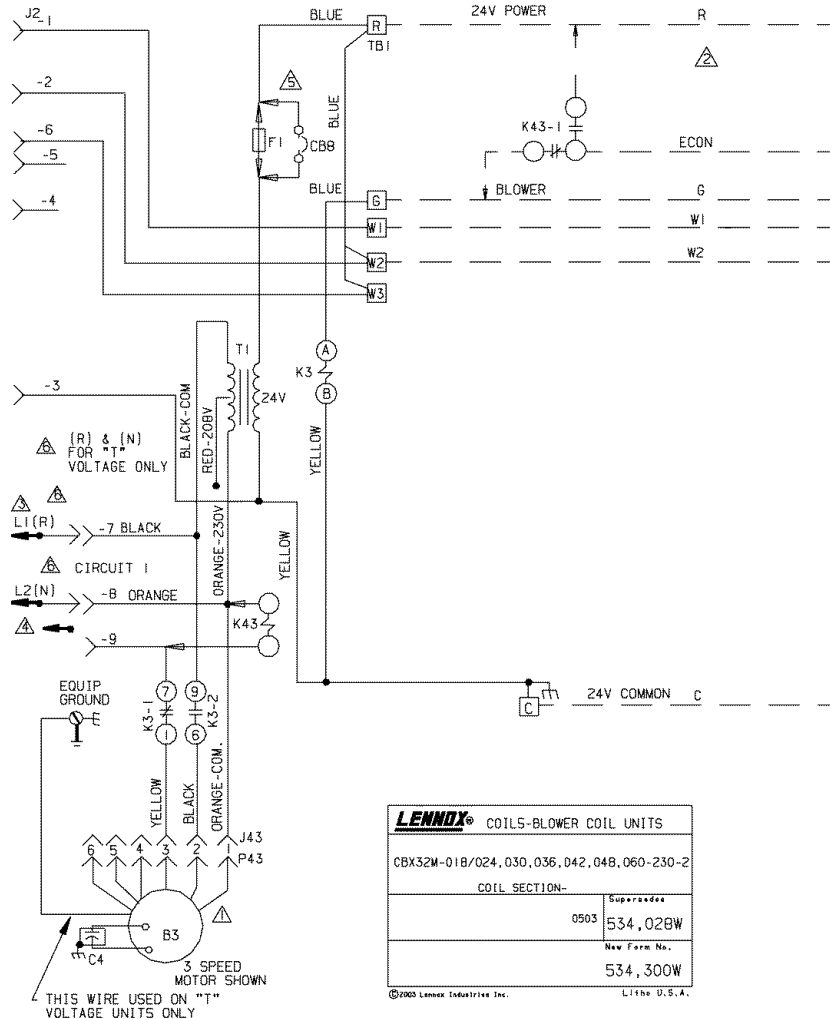
FIELD WIRING FOR ECB SERIES UNITS WITH CIRCUIT BREAKERS



CB SERIES	
KEY	DESCRIPTION
B3	MOTOR-BLOWER
C4	CAPACITOR-BLOWER MOTOR
CBB	CIRCUIT BREAKER-TRANS II
F1	FUSE-TRANSFORMER
J2	JACK-ELECTRIC HEAT
K3, -1, 2	RELAY-CONTACTOR, BLOWER
K43, -1	RELAY-ECONOMIZER HEAT
T1	TRANSFORMER-CONTROL
TB1	TERM. STRIP-CLASS II

ECB SERIES	
KEY	DESCRIPTION
CB1	CIRCUIT BREAKER-ELECT. HT
CB2	CIRCUIT BREAKER-ELECT. HT
CB3	CIRCUIT BREAKER-ELECT. HT
TB2	TERMINAL STRIP-UNIT

MOTOR SPEED TAP CHART		
3 SPD MOTOR	5 SPD MOTOR	MOTOR SPEED
1	1	COMMON
2	2	HIGH
3	3	MEDIUM HIGH
4	4	MEDIUM
5	5	MEDIUM LOW
6	6	LOW



LENNOX® COILS-BLOWER COIL UNITS	
CBX32M-01B/024, 030, 036, 042, 048, 060-230-2	
COIL SECTION-	
0503	Supersedes 534, 02BW
	New Form No. 534, 300W

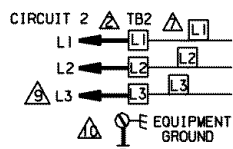
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Figure 14

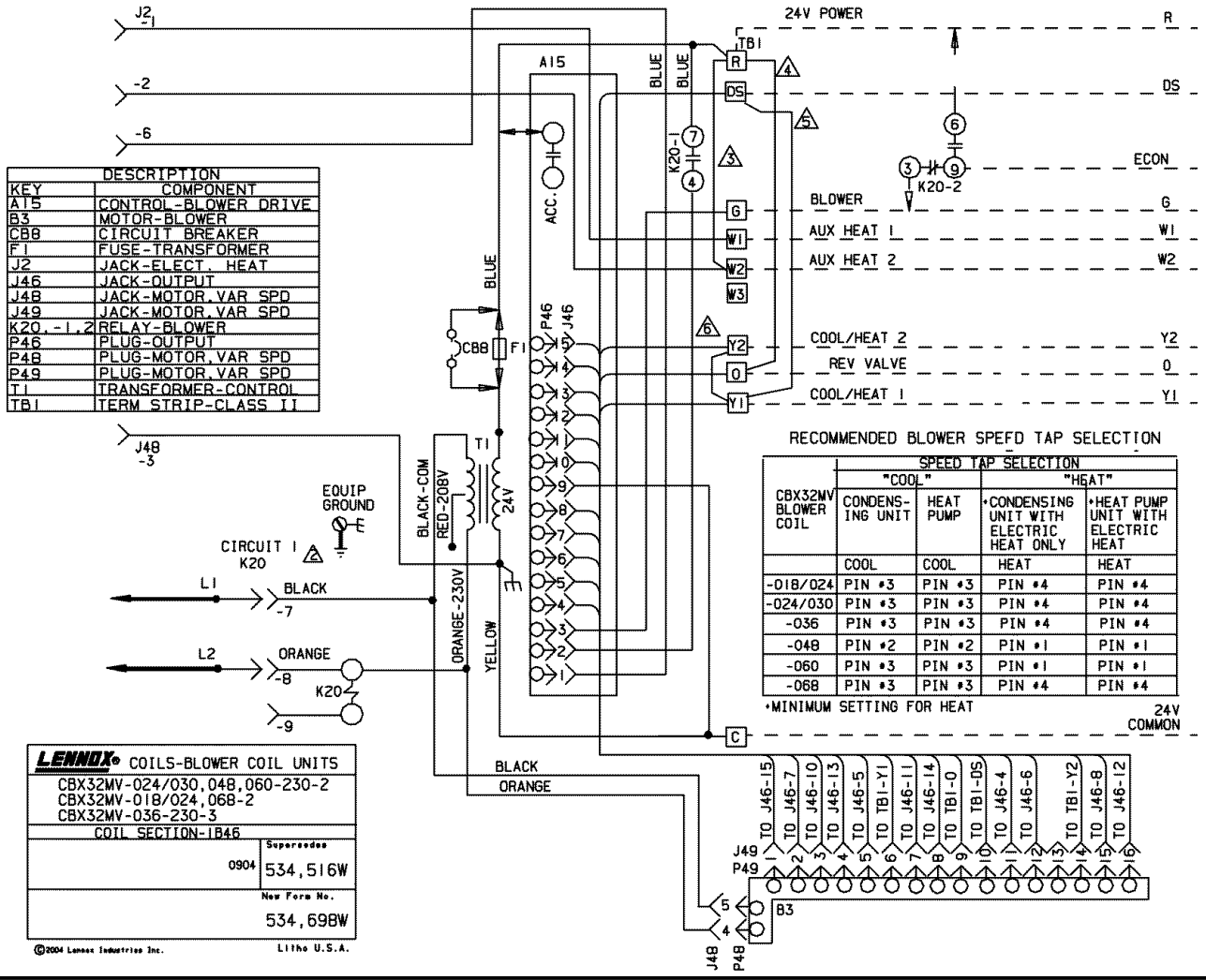
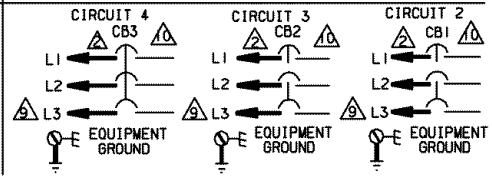
CBX32MV Blower Coil Unit with Installed Electric Heat — P Voltage

- ← INDICATES OPTIONAL COMPONENTS
- LINE VOLTAGE FIELD WIRING
- - CLASS II VOLTAGE FIELD WIRING
- ⚠ REFER TO FACTORY BLOWER SPEED TAP SELECTION CHART BELOW FOR BLOWER SPEED INFORMATION
- ⚠ USE COPPER CONDUCTORS ONLY. REFER TO UNIT NAMEPLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM OVERCURRENT PROTECTION SIZE
- ⚠ NOTE-FOR NON-HEAT PUMP APPLICATION ONLY-- WHEN TWO STAGE THERMOSTAT IS USED, CONNECT SECOND STAGE HEAT BULB TO TERMINAL "W2" AND REMOVE JUMPER BETWEEN TERMINALS "R" & "W2"
- ⚠ JUMPER "R" TO "O" IS USED WITH CONDENSING UNIT. REMOVE "R" TO "O" JUMPER WHEN HEAT PUMP IS USED.
- ⚠ REMOVE JUMPER BETWEEN "DS" AND "Y1" WHEN HUMIDITY CONTROL (CCB1-A20) IS USED.
- ⚠ JUMPER "Y1" TO "Y2" IS FOR SINGLE STAGE COOLING. REMOVE JUMPER "Y1" TO "Y2" FOR TWO STAGE COOLING.
- ⚠ CONNECT POWER WIRES FROM HEATER LABELED L1,L2 ON "P" VOLTAGE UNITS AND L1,L2,L3 ON "Y" VOLTAGE UNITS TO TB2 TERMINAL STRIP IN INDOOR UNIT
- ⚠ EQUIPMENT GROUND LOCATED IN INDOOR UNIT
- ⚠ L3 IS NOT PRESENT ON (P) ELECTRIC HEATERS
- ⚠ THE NUMBER OF CIRCUITS VARY ACCORDING TO HEATER MODEL. REFER TO FAN COIL NAMEPLATE FOR ACTUAL NUMBER EMPLOYED

FIELD WIRING FOR UNITS WITHOUT CIRCUIT BREAKERS



FIELD WIRING FOR UNITS WITH CIRCUIT BREAKERS



KEY	DESCRIPTION	COMPONENT
A15	CONTROL-BLOWER DRIVE	
B3	MOTOR-BLOWER	
CBB	CIRCUIT BREAKER	
F1	FUSE-TRANSFORMER	
J2	JACK-ELECT. HEAT	
J46	JACK-OUTPUT	
J48	JACK-MOTOR, VAR SPD	
J49	JACK-MOTOR, VAR SPD	
K20	RELAY-BLOWER	
P46	PLUG-OUTPUT	
P48	PLUG-MOTOR, VAR SPD	
P49	PLUG-MOTOR, VAR SPD	
T1	TRANSFORMER-CONTROL	
TB1	TERM STRIP-CLASS II	

RECOMMENDED BLOWER SPEED TAP SELECTION

CBX32MV BLOWER COIL	SPEED TAP SELECTION			
	"COOL"		"HEAT"	
	CONDENSING UNIT	HEAT PUMP	CONDENSING UNIT WITH ELECTRIC HEAT ONLY	HEAT PUMP UNIT WITH ELECTRIC HEAT
-018/024	PIN #3	PIN #3	PIN #4	PIN #4
-024/030	PIN #3	PIN #3	PIN #4	PIN #4
-036	PIN #3	PIN #3	PIN #4	PIN #4
-048	PIN #2	PIN #2	PIN #1	PIN #1
-060	PIN #3	PIN #3	PIN #1	PIN #1
-068	PIN #3	PIN #3	PIN #4	PIN #4

*MINIMUM SETTING FOR HEAT

LENNOX COILS-BLOWER COIL UNITS	
CBX32MV-024/030, 048, 060-230-2	
CBX32MV-018/024, 068-2	
CBX32MV-036-230-3	
COIL SECTION-1B46	
0904	Supersedes 534, 516W
	New Form No. 534, 698W

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Figure 15

