
SUPPLEMENTAL INSTRUCTIONS

CMA-29 Low Ambient Kit

Parts List

The CMA-29 kit consists of:

- 7960-719A Supplemental instructions
- Low ambient fan cycling control
- Freezestat
- Terminal block
- Phillips head screw, #8-18 x 3/4" (1)
- Black wire with quick connect terminals, 5" (1)
- Yellow wire with quick connect terminals, 31" (1)
- Heat sense compound (gel capsule)
- Insulation tape, 4" (1)

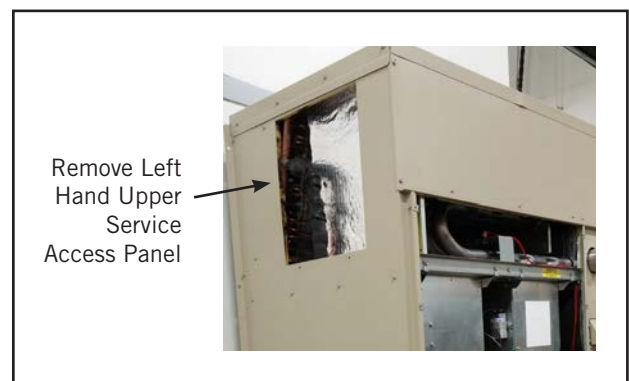
Installation

1. Turn power off.
2. Remove both outer and inner control panel covers (see Figure 1).
3. Remove condenser section grille (side by compressor).
4. Remove upper front service door.
5. Remove left hand upper service access panel (see Figure 2).

FIGURE 1



FIGURE 2



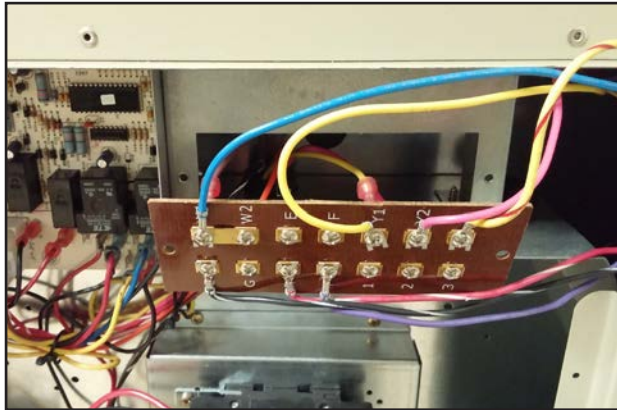
Climate Control Solutions

Bard Manufacturing Company, Inc.
Bryan, Ohio 43506
www.bardhvac.com

Manual: 7960-719A
Supersedes: 7960-719
Date: 3-8-22

13. Disconnect yellow wire from Y1 terminal and pull out of terminal box.
14. Route yellow wire supplied with kit into the low voltage box and connect to Y1 terminal where wire was removed in previous step.
15. Gently push low voltage terminal strip back into place and secure with the two (2) screws removed earlier.

FIGURE 5



16. Route both yellow wires out of the control panel at the upper left hand corner with the blower power wires and route across the front of the indoor blower in the wire looms (See Figure 6).

FIGURE 6



17. Open supplied heat sink compound capsule and apply to face of supplied freeze stat. Clip freeze stat onto lowest evaporator feeder tube as close to the coil as possible, then wrap with supplied insulation tape (see Figures 7A and 7B).
18. Route freeze stat wires down through blower partition with suction and liquid tubes.
19. Route wires down into loom across the front of the blowers. Plug into yellow wires installed there in Step 16 (see Figure 8).
20. Replace all panels and turn power back on.

21. Force a cooling call and confirm that the compressor starts and with a delay (waiting until the compressor discharge pressure builds), the outdoor fan motor starts.

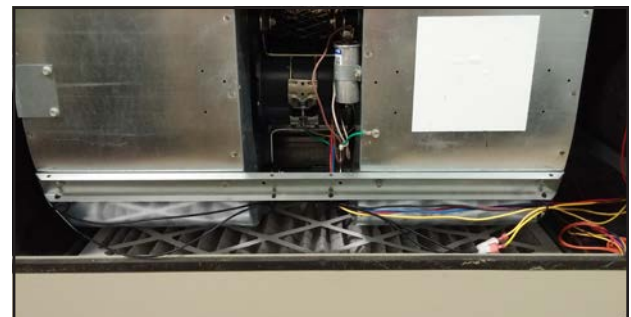
FIGURE 7A



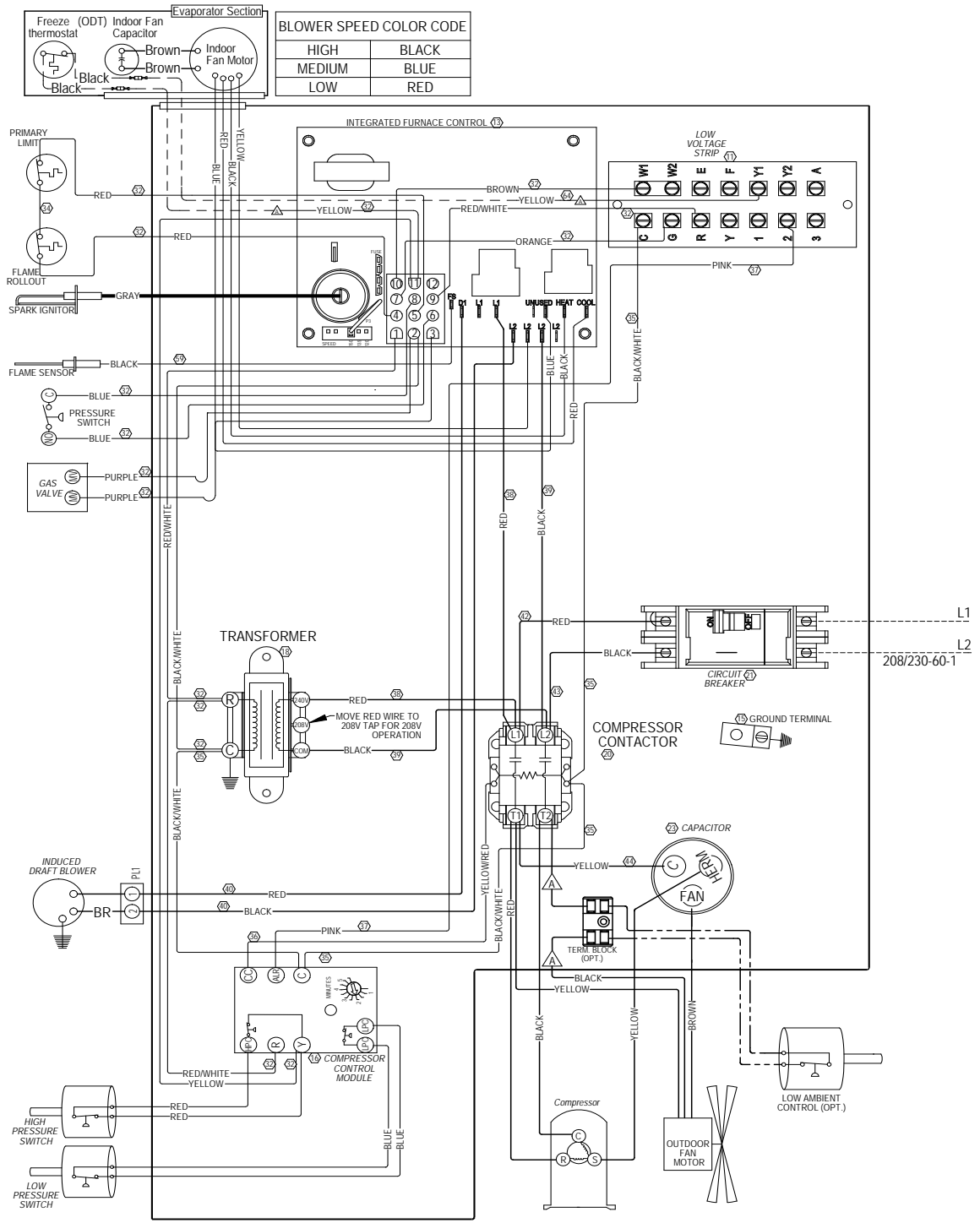
FIGURE 7B



FIGURE 8



WIRING DIAGRAM 4085-159B



Model	C. Breaker	Capacitor
W24G*-A	30A	40+5/440

USE COPPER CONDUCTORS
SUITABLE FOR AT LEAST 75° C

Wire Identification numbers
for Bard use only.

IF ANY ORIGINAL WIRE AS SUPPLIED WITH THE APPLIANCE MUST BE REPLACED, IT MUST BE REPLACED WITH WIRING MATERIAL HAVING A TEMPERATURE RATING OF AT LEAST 105° C EXCEPT THE IGNITION CABLE WHICH IS 250° C HIGH VOLTAGE CABLE

	Factory	Field	Optional
High Voltage			
Low Voltage			

WIRE CONNECT IF OPTION NOT USED

4085-159 B