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Supersedes 01/96

REPLACEMENT BCC3 CONTROL KIT

INSTALLATION INSTRUCTIONS FOR REPLACEMENT BCC3 BLOWER CONTROL KIT

SHIPPING AND PACKING LIST

Package 1 of 1 contains:

- 1- Replacement BCC3 blower control
- 1- Blue wire
- 1- Wire nut

APPLICATION

This kit (48K98) is for use on G17, G17R, G20, G20R, G23 and G26 series units. The BCC3 functions and troubleshoots the same as the other BCC (BCC1 or BCC2) controls.

INSTALLATION

- 1- Turn off electrical power.
- 2- Remove access panel.
- 3- Remove control box cover. (G17R and G20R units not equipped with control box cover.)
- 4- Mark and disconnect wires at existing BCC control.
- 5- Remove BCC blower control. Install replacement BCC3 board.
- 6- Reconnect marked wires to new control. See figure 1 and figure 2 or 3.
- 7- Notice the terminal labeled "24V" on the replacement control. The quick connect terminal on the new control is 3/16"; early BCC controls had a 1/4" quick connect terminal. The provided blue wire is used to connect to this terminal. If a BCC3 control is being replaced, the provided wire is not needed; simply reconnect wire from existing BCC3.

- 8- Remove existing wires from terminal marked "24V" on existing control. Cut the quick connect terminals off these wires and strip back 5/8" Use the provided wire nut to connect the blue wire provided in kit to the wires just stripped. Connect quick connect end of blue wire to the "24V" terminal on the replacement BCC3 control.
- 9- Set blower time adjustment jumper to same amount of time as the removed control..
- 10- Reinstall control box cover for G20, G23 and G26 units
- 11- Replace access panel.
- 12- Restore electrical power and refer to unit installation instructions for start-up and check-out procedures.

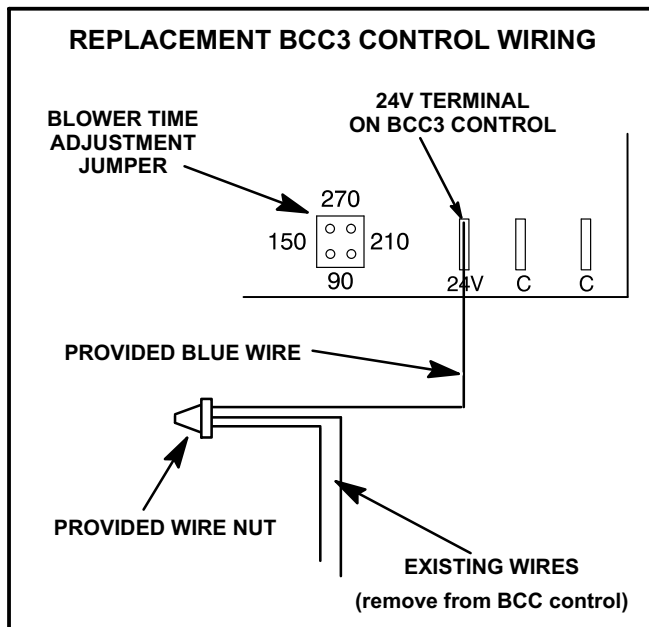


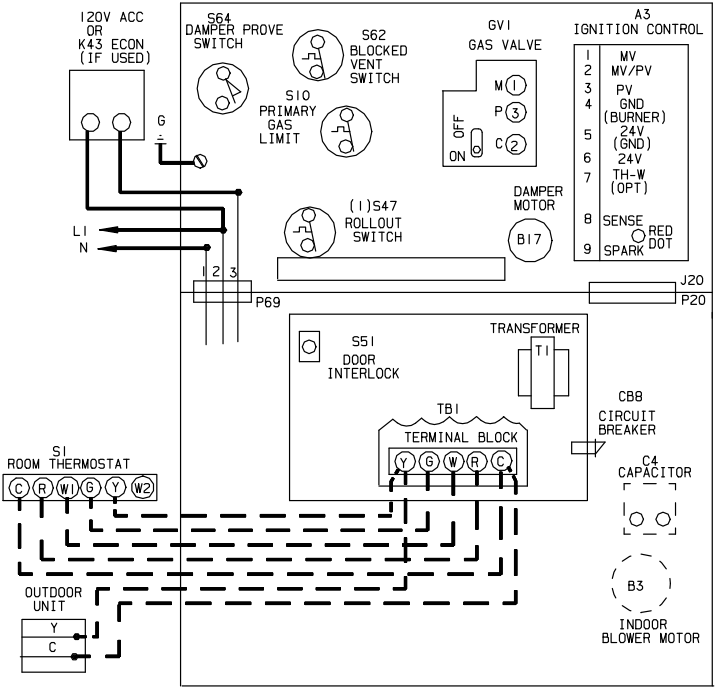
FIGURE 1

REPLACEMENT BCC3 CONTROL G17/G20

UNIT	BLOWER SPEED CHART					MOTOR SPEEDS AVAILABLE
	FACTORY CONNECTED (COOL (A))	HEAT (H)	D	D	D	
02-50	BLACK	BROWN	YELLOW	RED	----	4
02-75		YELLOW	RED	----	----	3
03/4-125	BROWN	BLUE	BLACK	RED	YELLOW	5
03-50,75		YELLOW	BROWN	RED	----	4
04-75		BLUE	BROWN	YELLOW	----	4
03/4-100	BLACK	BLUE	BROWN	YELLOW	RED	5
05/6-100		YELLOW	BROWN	BLUE	RED	5
05/6-125,150		BLUE	BROWN	YELLOW	RED	5

HI ← BLOWER SPEED SELECTION → LO					
SPEED TAPS	BLACK	YELLOW	RED	RED	3
	BLACK	BROWN	YELLOW	RED	4
	BLACK	BROWN	BLUE	YELLOW	5

KEY	DESCRIPTION
A3	CONTROL, BURNER, IGNITION
A15	CONTROL, BLOWER, BCC2
B3	MOTOR, BLOWER
B17	MOTOR, DAMPER
C4	CAPACITOR, BLOWER MOTOR
CBB	CIRCUIT BREAKER-TRANS. T1
GVI	VALVE, GAS
J20	JACK, GAS
J69	JACK, BLOWER DECK
K3-1	RELAY, BLOWER
K13-1,2	RELAY, COMBUSTION AIR
K36-1	RELAY, HEAT BLOWER
K43-1	RELAY, ECONOMIZER
K109-1	RELAY, ACCESSORY
P20	PLUG, GAS
P69	JACK, BLOWER DECK
S10	LIMIT, PRIMARY, GAS
S47	SWITCH-FLAME, ROLLOUT
S51	SWITCH, DOOR INTERLOCK
S62	SWITCH-BLOCKED VENT
S64	SWITCH-DAMPER PROVE
S68-1,2	SWITCH, 3rd SPEED, ON-OFF
T1	TRANSFORMER, CONTROL
TB1	TERMINAL BLOCK-LOW VOLTAGE



△ TO CHANGE MOTOR SPEED, MOVE DESIRED MOTOR LEAD FROM "D" (PARK) TO EITHER "A" (COOL), "H" (HEAT) OR "CF" (CONT. FAN). ALL UNUSED MOTOR LEADS MUST BE PLACED ON A "D" (PARK) TERMINAL.

△ IF HEATING AND CONTINUOUS ARE TO BE THE SAME, CONNECT JUMPER BETWEEN S68-1 AND A15 (HAS SHOWN). REMOVE UNUSED MOTOR SPEED WIRE FROM "H" AND PARK ON "D".

S68, 3RD SPEED ON/OFF SWITCH IS OPTIONAL KIT

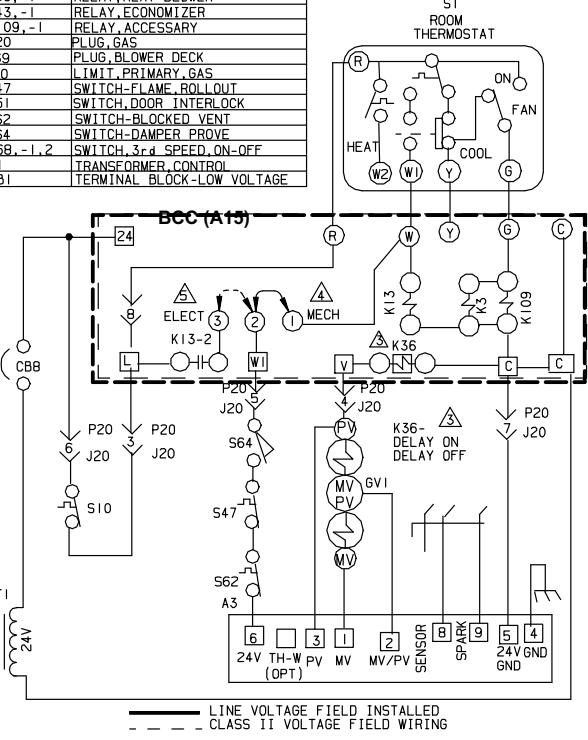
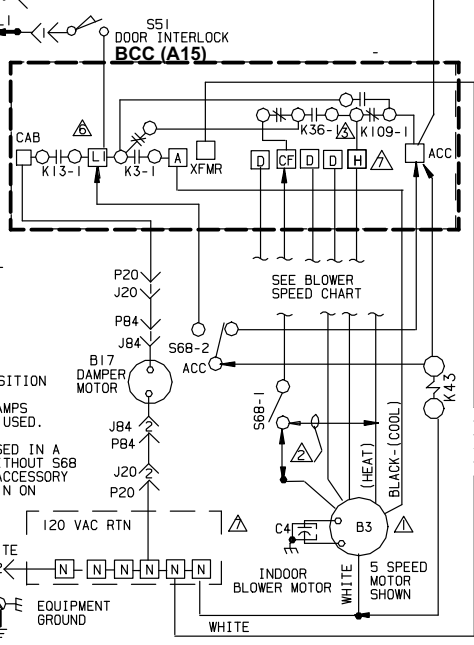
△ PLACE MINI JUMP TO "MECH" POSITION FOR ELECTROMECHANICAL THERMOSTAT. ELECTROMECHANICAL THERMOSTAT HEAT ANTICIPATION SETTINGS

.65 AMP HONEYWELL VALVE
.50 AMP WHITE-RODGERS VALVE

△ PLACE MINI JUMP TO "ELECT" POSITION FOR ELECTRONIC THERMOSTATS SET HEAT ANTICIPATION AT 0.1 AMPS WHEN ELECTRONIC THERMOSTAT IS USED.

△ WHEN AN ACCESSORY IS BEING USED IN A CONTINUOUS FAN APPLICATION WITHOUT S68 (CONTINUOUS FAN SWITCH), THE ACCESSORY MUST BE WIRED BETWEEN LI AND N ON BCC BOARD.

△ THE (3) "D" TERMINALS ARE UNPOWERED. ALL UNUSED MOTOR LEADS MUST BE GROUNDED IN ACCORDANCE WITH NATIONAL AND LOCAL CODES.



— LINE VOLTAGE FIELD INSTALLED
- - - CLASS II VOLTAGE FIELD WIRING

WARNING- ELECTRIC SHOCK HAZARD, CAN CAUSE INJURY OR DEATH. UNIT MUST BE GROUNDED IN ACCORDANCE WITH NATIONAL AND LOCAL CODES.

NOTE- IF ANY WIRE IN THIS APPLIANCE IS REPLACED, IT MUST BE REPLACED WITH WIRE OF LIKE SIZE, RATING AND INSULATION THICKNESS.

FIGURE 2

REPLACEMENT BCC3 CONTROL

G23/G26

KEY	DESCRIPTION	COMPONENT
A3	CONTROL, BURNER, IGNITION	
A15	CONTROL, BLOWER, BCC2	
B3	MOTOR, BLOWER	
B6	MOTOR-COMBUSTION AIR BLOWER	
C4	CAPACITOR, BLOWER MOTOR	
CB8	CIRCUIT BREAKER-TRANS. T1	
GV1	VALVE, GAS	
J20	JACK, GAS	
J43	JACK, BLOWER MOTOR	
J69	JACK, BLOWER DECK	
J84	JACK, COMB. AIR BLOWER	
J94	JACK-TERMINAL BLOCK-TB1	
K3, -1	RELAY, BLOWER	
K13, -1, 2	RELAY, COMBUSTION AIR	
K36, -1	RELAY, HEAT BLOWER	
K43, -1	RELAY, ECONOMIZER	
K109, -1	RELAY, ACCESSORY	
P20	PLUG, GAS	
P43	PLUG, BLOWER MOTOR	
P69	PLUG, BLOWER DECK	
P84	PLUG, COMB. AIR BLOWER	
P94	PLUG-TERMINAL BLOCK-TB1	
S10	LIMIT, PRIMARY, GAS	
S18	SWITCH-COMB. AIR PROVE	
S47	SWITCH-FLAME, ROLLOUT	
S51	SWITCH, DOOR INTERLOCK	
S68, -1, 2	SWITCH, 3rd SPEED, ON-OFF	
T1	TRANSFORMER, CONTROL	

BLOWER SPEED CHART				
UNIT	FACTORY CONNECTED SPEED TAPS			MOTOR SPEEDS AVAILABLE
	COOL	HEAT		
Q2-50, Q3-100		3		3
Q2/3-75, Q3-50		4		4
Q3/4-100, 125	2	4		4
Q4/5-75		6		5
Q4/5-100		5		5
Q5/6-125, 150		4		5

BLOWER SPEED SELECTION				
SPEED TAPS	HI → LO			
	2	3	4	5
2	3	4	5	4
2	3	4	5	6

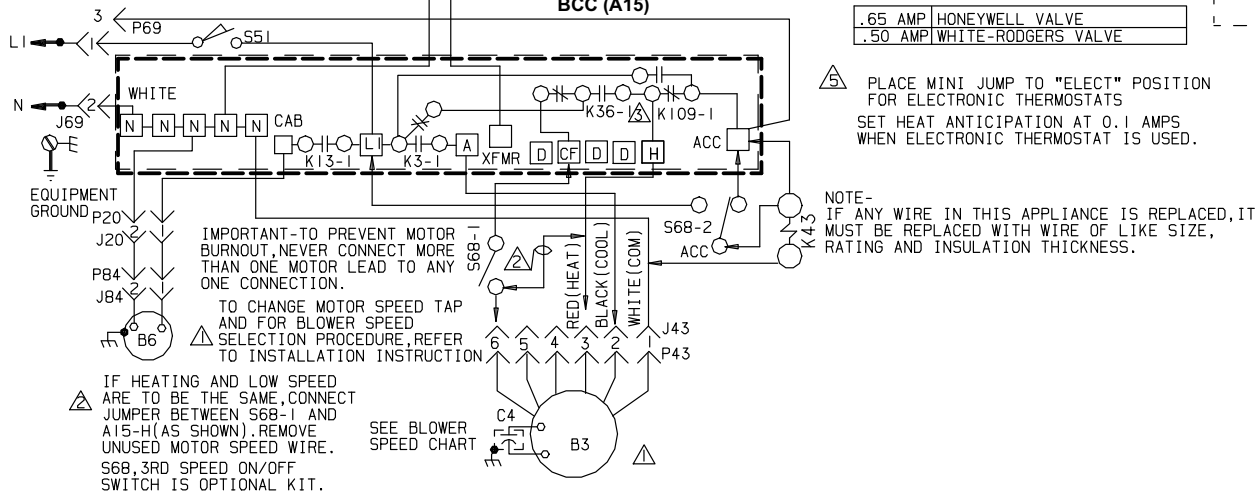


FIGURE 3