

# 170 BOARD RESISTOR AND CAPACITOR LOCATION CHART

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|------|------|
| ○ 20 | 19 ○ |
| ○ 18 | 17 ○ |
| ○ 16 | 15 ○ |
| ○ 14 | 13 ○ |
| ○ 12 | 11 ○ |
| ○ 10 | 9 ○  |
| ○ 8  | 7 ○  |
| ○ 6  | 5 ○  |
| ○ 4  | 3 ○  |
| ○ 2  | 1 ○  |

THESE CAPS ARE ON THE BACK OF THE LCD SCREEN CIRCUIT BOARD

CUT LEAD ON CAPACITOR TO REMOVE SHORT  
CAPACITOR DOES NOT HAVE TO BE REMOVED. JUST CUT ONE LEAD  
CUT LEAD HERE

C16 CUT FOR DRY TIMER (GREEN BUTTON)  
C17 CUT FOR COOL TIMER (GREEN BUTTON)  
C18 CUT FOR UNLOAD TIMER (GREEN BUTTON)  
C19 CUT FOR "OUT OF GRAIN" (GREEN BUTTON)  
C20 CUT FOR AUX 1 (GREEN BUTTON)  
C21 CUT FOR RESET (BLUE BUTTON)  
C22 CUT FOR BYPASS (BLUE BUTTON)  
C23 CUT FOR MODIFY (GREY BUTTON)

C24 CUT FOR INCREASE (YELLOW BUTTON)  
C25 CUT FOR DECREASE (YELLOW BUTTON)  
C26 CUT FOR ENTER (GREY BUTTON)  
C27 CUT FOR AUX 1 (YELLOW BUTTON)  
C28 CUT FOR AUX 2 (YELLOW BUTTON)  
C29 CUT FOR LOAD DELAY (YELLOW BUTTON)  
C30 CUT FOR UNLOAD DELAY (YELLOW BUTTON)

ALL CAPS ARE LOCATED ON CPU BOARD NEAR FRONT PAD CONNECTIONS

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| ○ 1  | 2 ○  |
| ○ 3  | 4 ○  |
| ○ 5  | 6 ○  |
| ○ 7  | 8 ○  |
| ○ 9  | 10 ○ |
| ○ 11 | 12 ○ |
| ○ 13 | 14 ○ |
| ○ 15 | 16 ○ |
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| ○ 16 | 15 ○ |
| ○ 14 | 13 ○ |
| ○ 12 | 11 ○ |
| ○ 10 | 9 ○  |
| ○ 8  | 7 ○  |
| ○ 6  | 5 ○  |
| ○ 4  | 3 ○  |
| ○ 2  | 1 ○  |

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|-------|---------|-----------|---------------------------------------|--------------------------------------------|
| J5-10 | RESISOR | CAPACITOR | CUT FOR (SAFETY RETURN CIRCUIT)       | CUT FOR (12 VOLT DC POSITIVE CIRCUIT)      |
| J5-7  | RESISOR | CAPACITOR | CUT FOR (FLAME SENSOR RETURN CIRCUIT) | CUT FOR (REAR DISCHARGE)                   |
| J5-6  | RESISOR | CAPACITOR | CUT FOR (OUT OF GRAIN SENSOR)         | CUT FOR (MOISTURE CONTROL THERMOSTAT N.O.) |
| J5-5  | RESISOR | CAPACITOR | CUT FOR (MAXON VALVE SENSOR)          |                                            |
| J5-4  | RESISOR | CAPACITOR |                                       |                                            |
| J5-3  | RESISOR | CAPACITOR |                                       |                                            |
| J5-2  | RESISOR | CAPACITOR |                                       |                                            |

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|-------|---------|-----------|---------------------------------------------------|---------------------------------------------|
| J5-1  | RESISOR | CAPACITOR | CUT FOR (MOISTURE CONTROL THERMOSTAT N.C.)        |                                             |
| J4-20 | RESISOR | CAPACITOR | SPARE                                             | CUT FOR (LOWER ADJUSTABLE GRAIN HIGH LIMIT) |
| J4-19 | RESISOR | CAPACITOR | SPARE                                             |                                             |
| J4-18 | RESISOR | CAPACITOR | SPARE                                             | CUT FOR (2 SPEED UNLOAD FAILURE)            |
| J4-17 | RESISOR | CAPACITOR | SPARE                                             |                                             |
| J4-16 | RESISOR | CAPACITOR | SPARE                                             | CUT FOR (1 SPEED UNLOAD FAILURE)            |
| J4-15 | RESISOR | CAPACITOR | CUT FOR (LOWER MERCURY SWITCH FAILURE) BATCH ONLY |                                             |
| J4-14 | RESISOR | CAPACITOR |                                                   |                                             |

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|-------|---------|-----------|----------------------------------------------|-------------------------------------|
| J4-13 | RESISOR | CAPACITOR | CUT FOR (UNLOAD BYPASS)                      |                                     |
| J4-12 | RESISOR | CAPACITOR | CUT FOR (MOTOR OVERLOADS)                    | CUT FOR (LOAD SWITCH AUTO FAILURE)  |
| J4-11 | RESISOR | CAPACITOR | CUT FOR (MOISTURE CONTROL ON FAILURE)        | CUT FOR (LOAD SWITCH ON FAILURE)    |
| J4-10 | RESISOR | CAPACITOR | CUT FOR (MIDDLE ADJUSTABLE GRAIN HIGH LIMIT) | CUT FOR (BATCH MODE SWITCH FAILURE) |
| J4-9  | RESISOR | CAPACITOR | CUT FOR (UPPER ADJUSTABLE GRAIN HIGH LIMIT)  |                                     |
| J4-8  | RESISOR | CAPACITOR |                                              |                                     |
| J4-7  | RESISOR | CAPACITOR |                                              |                                     |
| J4-6  | RESISOR | CAPACITOR |                                              |                                     |

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| J4-5  | RESISOR | CAPACITOR | CUT FOR (CONTINUOUS FLOW SWITCH FAILURE)  |                                          |
| J4-4  | RESISOR | CAPACITOR | CUT FOR (MIDDLE FIXED GRAIN HIGH LIMIT)   |                                          |
| J4-3  | RESISOR | CAPACITOR | SPARE                                     |                                          |
| J4-2  | RESISOR | CAPACITOR | CUT FOR (UPPER FIXED GRAIN HIGH LIMIT)    |                                          |
| J4-1  | RESISOR | CAPACITOR | SPARE                                     |                                          |
| J3-20 | RESISOR | CAPACITOR | CUT FOR (HIGH HEAT THERMOSTAT) BATCH ONLY | CUT FOR (LOW HEAT THERMOSTAT) BATCH ONLY |
| J3-19 | RESISOR | CAPACITOR | CUT FOR (BURNER #6 AUTO FAILURE)          |                                          |
| J3-18 | RESISOR | CAPACITOR |                                           |                                          |

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| J3-17 | RESISOR | CAPACITOR | CUT FOR (BURNER #6 ON FAILURE)     | CUT FOR (BURNER #5 AUTO FAILURE)   |
| J3-16 | RESISOR | CAPACITOR | CUT FOR (BURNER #6 ON FAILURE)     | CUT FOR (BURNER #5 ON FAILURE)     |
| J3-15 | RESISOR | CAPACITOR | CUT FOR (FAN #6 LOSS OF AIRFLOW)   | CUT FOR (FAN #5 LOSS OF AIRFLOW)   |
| J3-14 | RESISOR | CAPACITOR | CUT FOR (FAN #6 PLENUM HIGH LIMIT) | CUT FOR (FAN #5 PLENUM HIGH LIMIT) |
| J3-13 | RESISOR | CAPACITOR | CUT FOR (FAN #6 NO FLAME DETECTED) |                                    |
| J3-12 | RESISOR | CAPACITOR |                                    |                                    |
| J3-11 | RESISOR | CAPACITOR |                                    |                                    |
| J3-10 | RESISOR | CAPACITOR |                                    |                                    |

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| J3-9 | RESISOR | CAPACITOR | CUT FOR (FAN #5 NO FLAME DETECTED)  |                                     |
| J3-8 | RESISOR | CAPACITOR | CUT FOR (FAN #6 HOUSING HIGH LIMIT) | CUT FOR (FAN #5 HOUSING HIGH LIMIT) |
| J3-7 | RESISOR | CAPACITOR | CUT FOR (FAN #6 VAPOR HIGH LIMIT)   | CUT FOR (FAN #5 VAPOR HIGH LIMIT)   |
| J3-6 | RESISOR | CAPACITOR | CUT FOR (FAN #6 AUTO FAILURE)       | CUT FOR (FAN #5 AUTO FAILURE)       |
| J3-5 | RESISOR | CAPACITOR |                                     |                                     |
| J3-4 | RESISOR | CAPACITOR |                                     |                                     |
| J3-3 | RESISOR | CAPACITOR |                                     |                                     |
| J3-2 | RESISOR | CAPACITOR |                                     |                                     |

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| J3-1  | RESISOR | CAPACITOR | CUT FOR (FAN #5 ON FAILURE)      |                                  |
| J2-20 | RESISOR | CAPACITOR | SPARE                            | SPARE                            |
| J2-19 | RESISOR | CAPACITOR | SPARE                            |                                  |
| J2-18 | RESISOR | CAPACITOR | CUT FOR (BURNER #4 AUTO FAILURE) | CUT FOR (BURNER #3 AUTO FAILURE) |
| J2-17 | RESISOR | CAPACITOR | CUT FOR (BURNER #4 ON FAILURE)   | CUT FOR (BURNER #3 ON FAILURE)   |
| J2-16 | RESISOR | CAPACITOR | CUT FOR (FAN #4 LOSS OF AIRFLOW) |                                  |
| J2-15 | RESISOR | CAPACITOR |                                  |                                  |
| J2-14 | RESISOR | CAPACITOR |                                  |                                  |

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| J2-13 | RESISOR | CAPACITOR | CUT FOR (FAN #3 LOSS OF AIRFLOW)    |                                     |
| J2-12 | RESISOR | CAPACITOR | CUT FOR (FAN #4 PLENUM HIGH LIMIT)  | CUT FOR (FAN #3 PLENUM HIGH LIMIT)  |
| J2-11 | RESISOR | CAPACITOR | CUT FOR (FAN #4 NO FLAME DETECTED)  | CUT FOR (FAN #3 NO FLAME DETECTED)  |
| J2-10 | RESISOR | CAPACITOR | CUT FOR (FAN #4 HOUSING HIGH LIMIT) | CUT FOR (FAN #3 HOUSING HIGH LIMIT) |
| J2-9  | RESISOR | CAPACITOR | CUT FOR (FAN #4 VAPOR HIGH LIMIT)   |                                     |
| J2-8  | RESISOR | CAPACITOR |                                     |                                     |
| J2-7  | RESISOR | CAPACITOR |                                     |                                     |
| J2-6  | RESISOR | CAPACITOR |                                     |                                     |

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| J2-5  | RESISOR | CAPACITOR | CUT FOR (FAN #3 VAPOR HIGH LIMIT)  |                               |
| J2-4  | RESISOR | CAPACITOR | CUT FOR (FAN #3 AUTO FAILURE)      | CUT FOR (FAN #3 AUTO FAILURE) |
| J2-3  | RESISOR | CAPACITOR | CUT FOR (FAN #4 ON FAILURE)        | CUT FOR (FAN #3 ON FAILURE)   |
| J2-2  | RESISOR | CAPACITOR | CUT FOR (CUSTOMER SUPPLIED SAFETY) |                               |
| J2-1  | RESISOR | CAPACITOR | CUT FOR (LOWER GRAIN HIGH LIMIT)   |                               |
| J1-20 | RESISOR | CAPACITOR | CUT FOR (BURNER #2 AUTO FAILURE)   |                               |
| J1-19 | RESISOR | CAPACITOR |                                    |                               |
| J1-18 | RESISOR | CAPACITOR |                                    |                               |

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| J1-17 | RESISOR | CAPACITOR | CUT FOR (BURNER #1 AUTO FAILURE)   |                                    |
| J1-16 | RESISOR | CAPACITOR | CUT FOR (BURNER #2 ON FAILURE)     | CUT FOR (BURNER #1 ON FAILURE)     |
| J1-15 | RESISOR | CAPACITOR | CUT FOR (FAN #2 LOSS OF AIRFLOW)   | CUT FOR (FAN #1 LOSS OF AIRFLOW)   |
| J1-14 | RESISOR | CAPACITOR | CUT FOR (FAN #2 PLENUM HIGH LIMIT) | CUT FOR (FAN #1 PLENUM HIGH LIMIT) |
| J1-13 | RESISOR | CAPACITOR | CUT FOR (FAN #2 NO FLAME DETECTED) |                                    |
| J1-12 | RESISOR | CAPACITOR |                                    |                                    |
| J1-11 | RESISOR | CAPACITOR |                                    |                                    |
| J1-10 | RESISOR | CAPACITOR |                                    |                                    |

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| J1-9 | RESISOR | CAPACITOR | CUT FOR (FAN #1 FLAME NOT DETECTED) |                                     |
| J1-8 | RESISOR | CAPACITOR | CUT FOR (FAN #2 HOUSING HIGH LIMIT) | CUT FOR (FAN #1 HOUSING HIGH LIMIT) |
| J1-7 | RESISOR | CAPACITOR | CUT FOR (FAN #2 VAPOR HIGH LIMIT)   | CUT FOR (FAN #1 VAPOR HIGH LIMIT)   |
| J1-6 | RESISOR | CAPACITOR | CUT FOR (FAN #2 AUTO FAILURE)       | CUT FOR (FAN #1 AUTO FAILURE)       |
| J1-5 | RESISOR | CAPACITOR |                                     |                                     |
| J1-4 | RESISOR | CAPACITOR |                                     |                                     |
| J1-3 | RESISOR | CAPACITOR |                                     |                                     |
| J1-2 | RESISOR | CAPACITOR |                                     |                                     |

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| J1-1 | RESISOR | CAPACITOR | CUT FOR (FAN #1 ON FAILURE) |  |
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| ○ 19 | 20 ○ |