



# J Series

## Buffet Display Tables

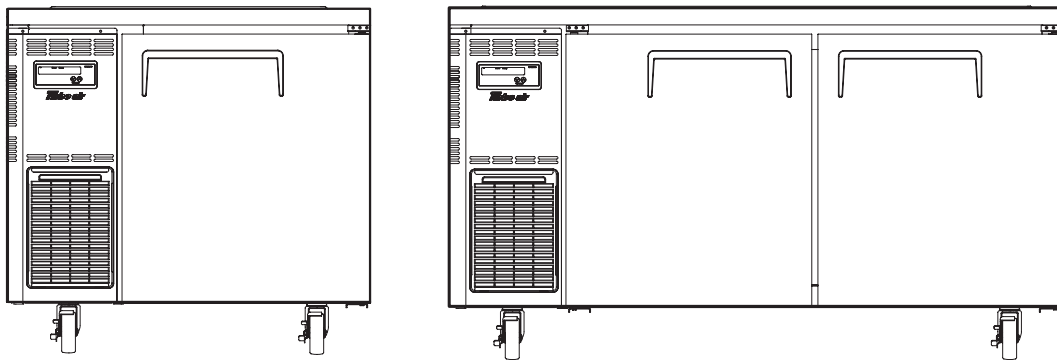
## Service Manual

JBT-36-N

JBT-48-N

JBT-60-N

JBT-72-N



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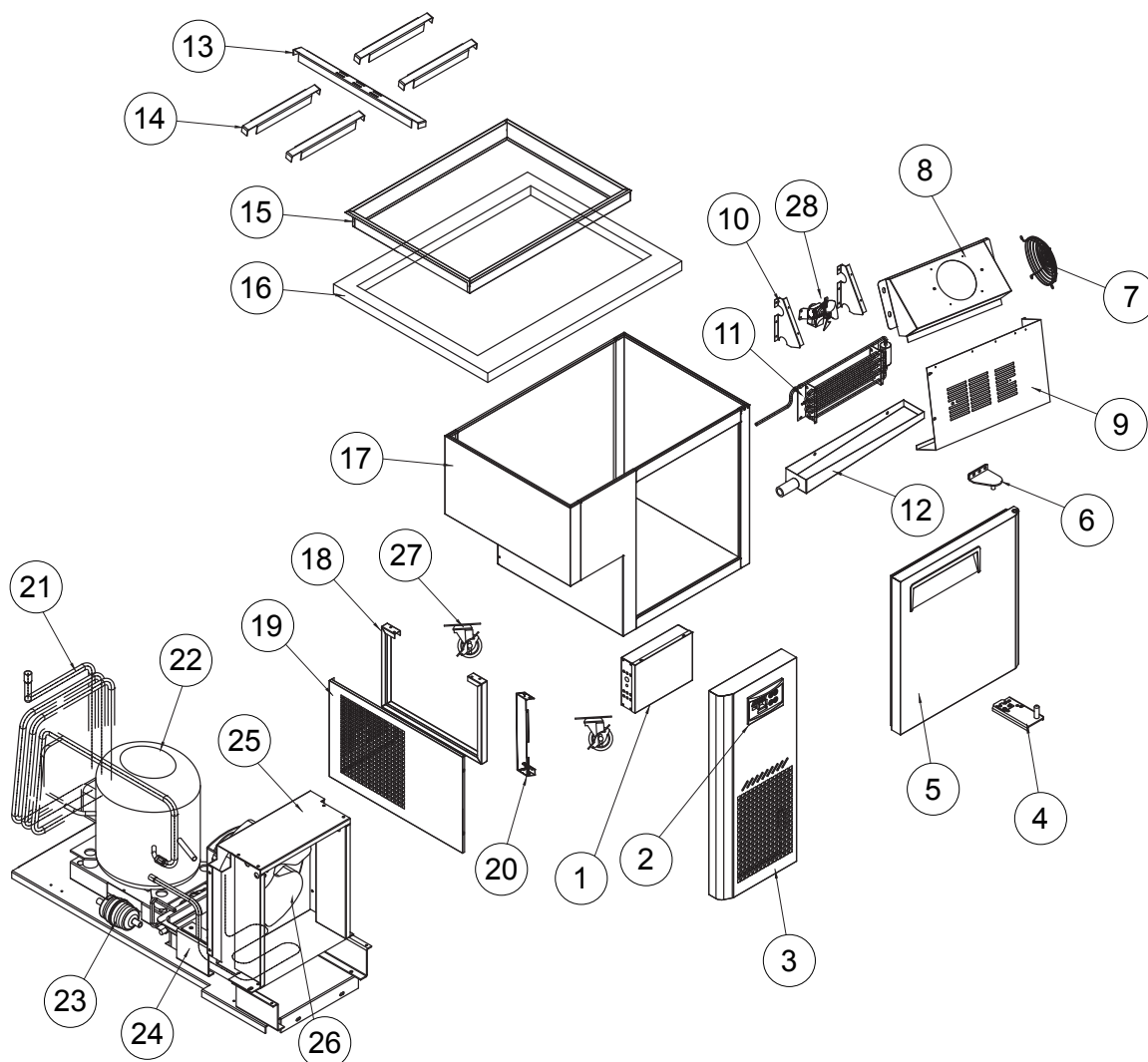
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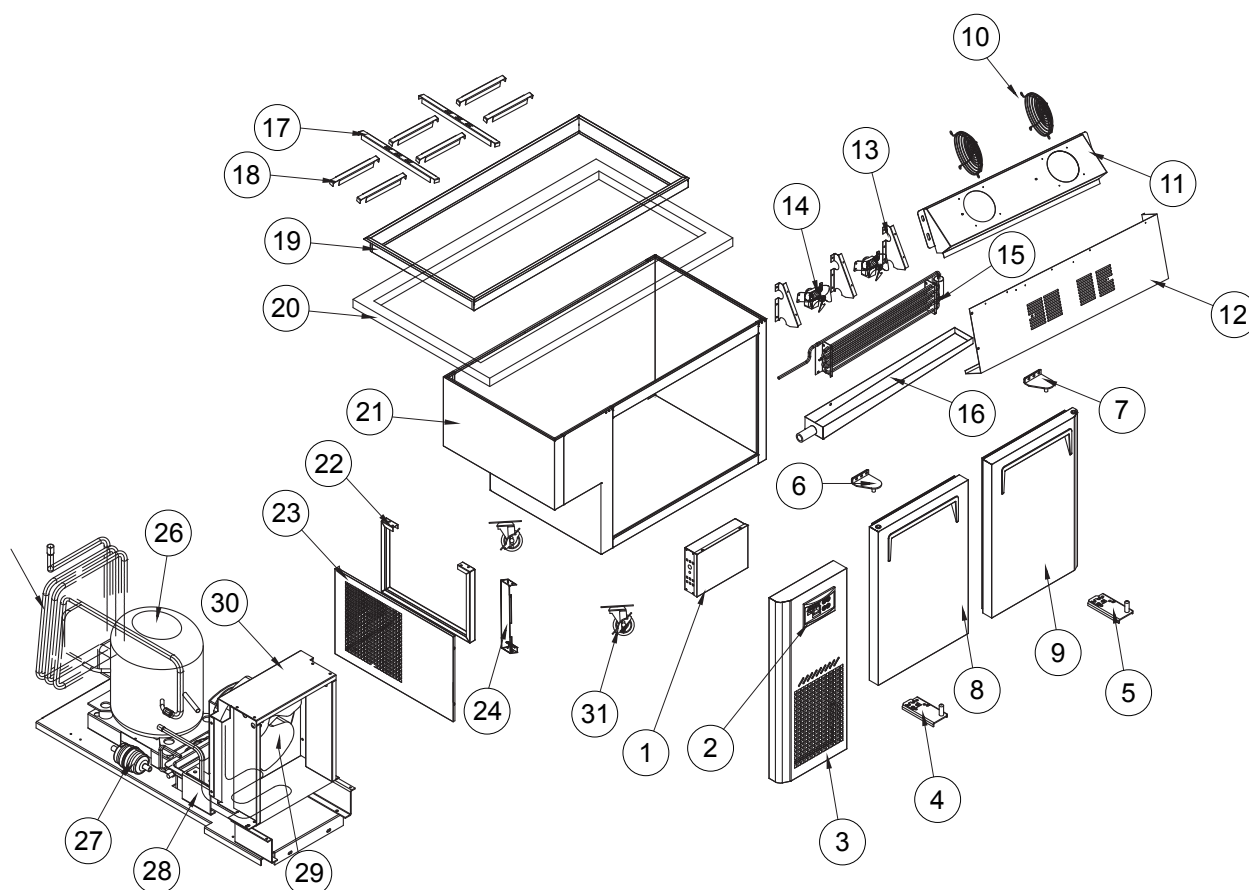
# JBT-36-N EXPLODED VIEW



## PART NAME

|    |                       |    |                  |    |                 |
|----|-----------------------|----|------------------|----|-----------------|
| 1  | MAIN PCB COVER        | 12 | EVAP DRAIN GUIDE | 23 | DRYER           |
| 2  | FRONT PCB             | 13 | PAN GUIDE        | 24 | DRAIN CASE      |
| 3  | ASSY UNIT FRONT COVER | 14 | PAN GUIDE (S)    | 25 | CONDENSER       |
| 4  | BOTTOM HINGE          | 15 | PAN SUPPORT      | 26 | CONDENSER MOTOR |
| 5  | ASSY DOOR             | 16 | COUNTERTOP       | 27 | CASTER          |
| 6  | TOP HINGE (R)         | 17 | ASSY CABINET     | 28 | EVAP FAN MOTOR  |
| 7  | FAN COVER             | 18 | UNIT BRACKET     |    |                 |
| 8  | EVAP DUCT (A)         | 19 | UNIT SIDE COVER  |    |                 |
| 9  | EVAP DUCT (B)         | 20 | UNIT BRACKET (A) |    |                 |
| 10 | EVAP AIR GUIDE        | 21 | SUCTION PIPE (B) |    |                 |
| 11 | ASSY EVAP             | 22 | COMP             |    |                 |

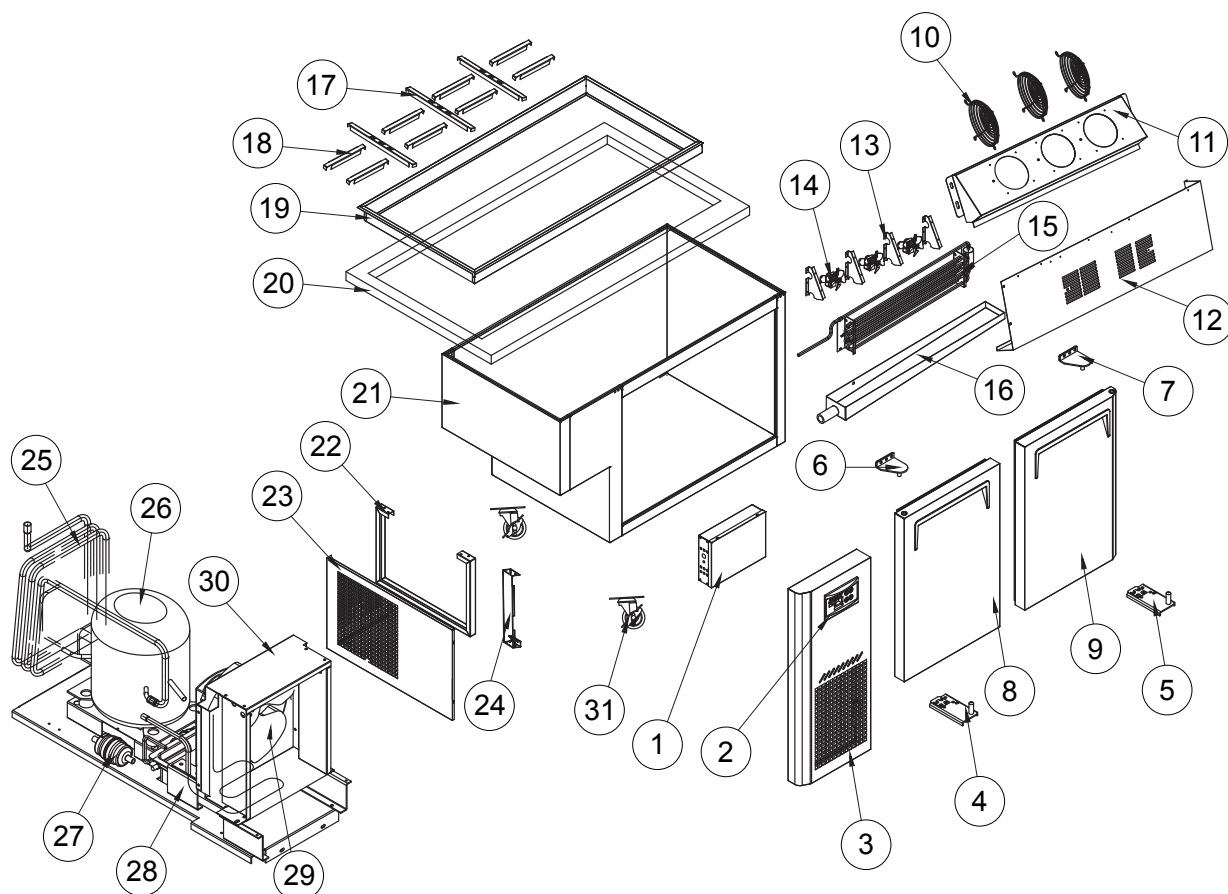
## JBT-48-N EXPLODED VIEW



## PART NAME

|           |                       |           |                  |           |                      |
|-----------|-----------------------|-----------|------------------|-----------|----------------------|
| <b>1</b>  | MAIN PCB COVER        | <b>12</b> | EVAP DUCT (B)    | <b>23</b> | UNIT SIDE COVER      |
| <b>2</b>  | FRONT PCB             | <b>13</b> | EVAP AIR GUIDE   | <b>24</b> | UNIT BRACKET (A)     |
| <b>3</b>  | ASSY UNIT FRONT COVER | <b>14</b> | EVAP FAN MOTOR   | <b>25</b> | SUCTION PIPE (B)     |
| <b>4</b>  | BOTTOM HINGE (L)      | <b>15</b> | ASSY EVAP        | <b>26</b> | COMP                 |
| <b>5</b>  | BOTTOM HINGE (R)      | <b>16</b> | EVAP DRAIN GUIDE | <b>27</b> | DRYER                |
| <b>6</b>  | TOP HINGE (L)         | <b>17</b> | PAN GUIDE        | <b>28</b> | DRAIN CASE           |
| <b>7</b>  | TOP HINGE (R)         | <b>18</b> | PAN GUIDE (S)    | <b>29</b> | CONDENSER MOTOR ASSY |
| <b>8</b>  | ASSY DOOR (L)         | <b>19</b> | PAN SUPPORT      | <b>30</b> | CONDENSER            |
| <b>9</b>  | ASSY DOOR (R)         | <b>20</b> | COUNTERTOP       | <b>31</b> | CASTER               |
| <b>10</b> | FAN COVER             | <b>21</b> | ASSY CABINET     |           |                      |
| <b>11</b> | EVAP DUCT (A)         | <b>22</b> | UNIT BRACKET     |           |                      |

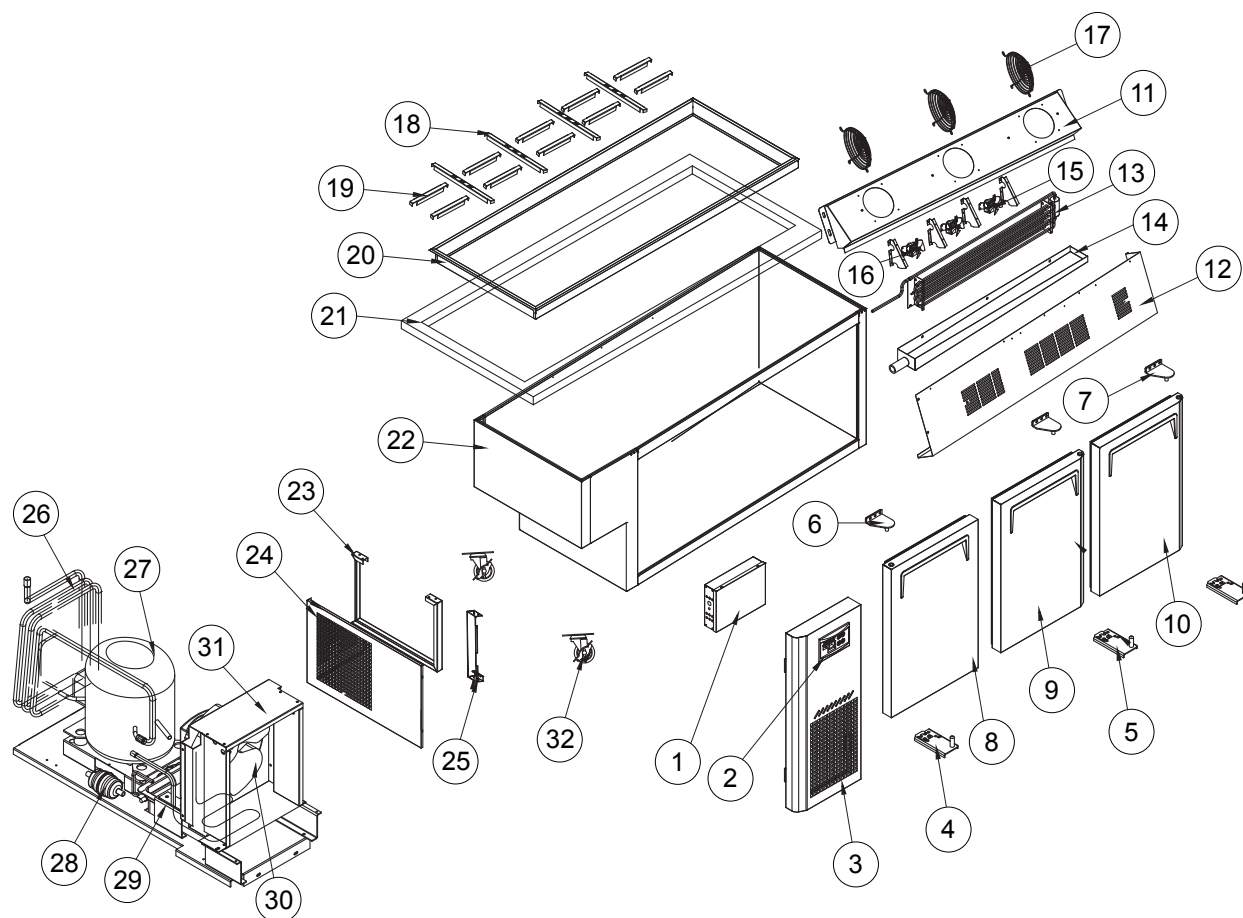
# JBT-60-N EXPLODED VIEW



## PART NAME

|    |                       |    |                  |    |                      |
|----|-----------------------|----|------------------|----|----------------------|
| 1  | MAIN PCB COVER        | 12 | EVAP DUCT (B)    | 23 | UNIT SIDE COVER      |
| 2  | FRONT PCB             | 13 | EVAP AIR GUIDE   | 24 | UNIT BRACKET (A)     |
| 3  | ASSY UNIT FRONT COVER | 14 | EVAP FAN MOTOR   | 25 | SUCTION PIPE (B)     |
| 4  | BOTTOM HINGE (L)      | 15 | ASSY EVAP        | 26 | COMP                 |
| 5  | BOTTOM HINGE (R)      | 16 | EVAP DRAIN GUIDE | 27 | DRYER                |
| 6  | TOP HINGE (L)         | 17 | PAN GUIDE        | 28 | DRAIN CASE           |
| 7  | TOP HINGE (R)         | 18 | PAN GUIDE (S)    | 29 | CONDENSER MOTOR ASSY |
| 8  | ASSY DOOR (L)         | 19 | PAN SUPPORT      | 30 | CONDENSER            |
| 9  | ASSY DOOR (R)         | 20 | COUNTERTOP       | 31 | CASTER               |
| 10 | FAN COVER             | 21 | ASSY CABINET     |    |                      |
| 11 | EVAP DUCT (A)         | 22 | UNIT BRACKET     |    |                      |

# JBT-72-N EXPLODED VIEW

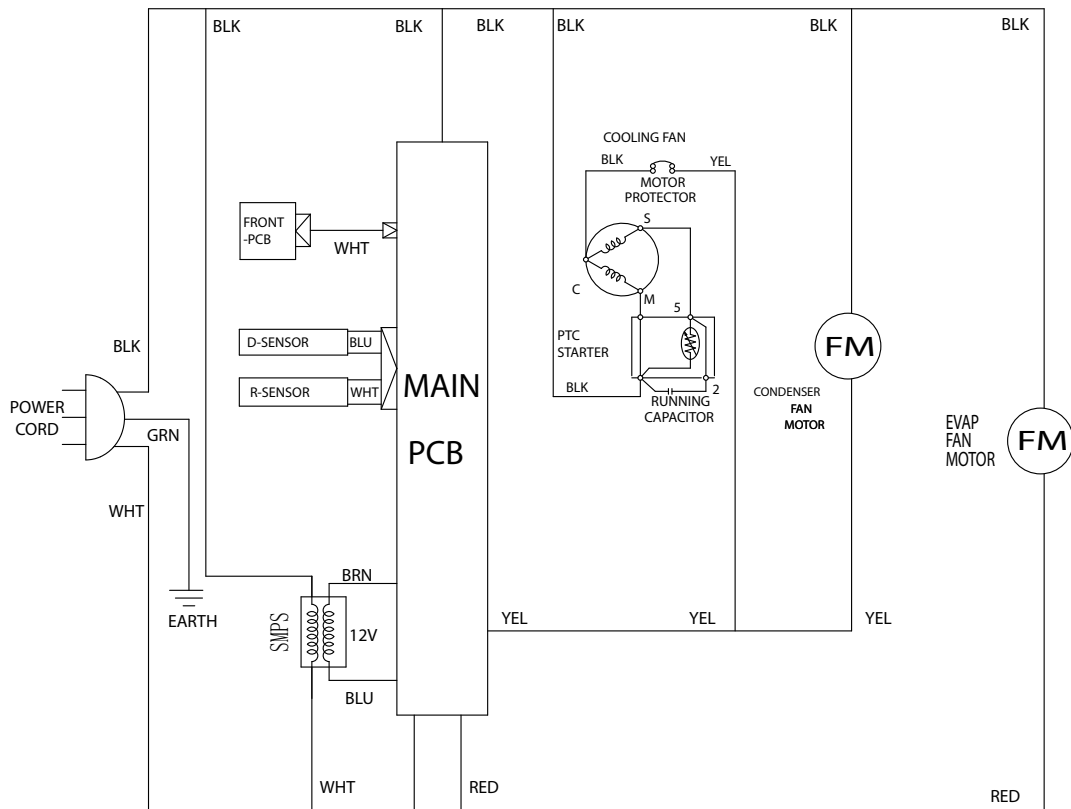


## PART NAME

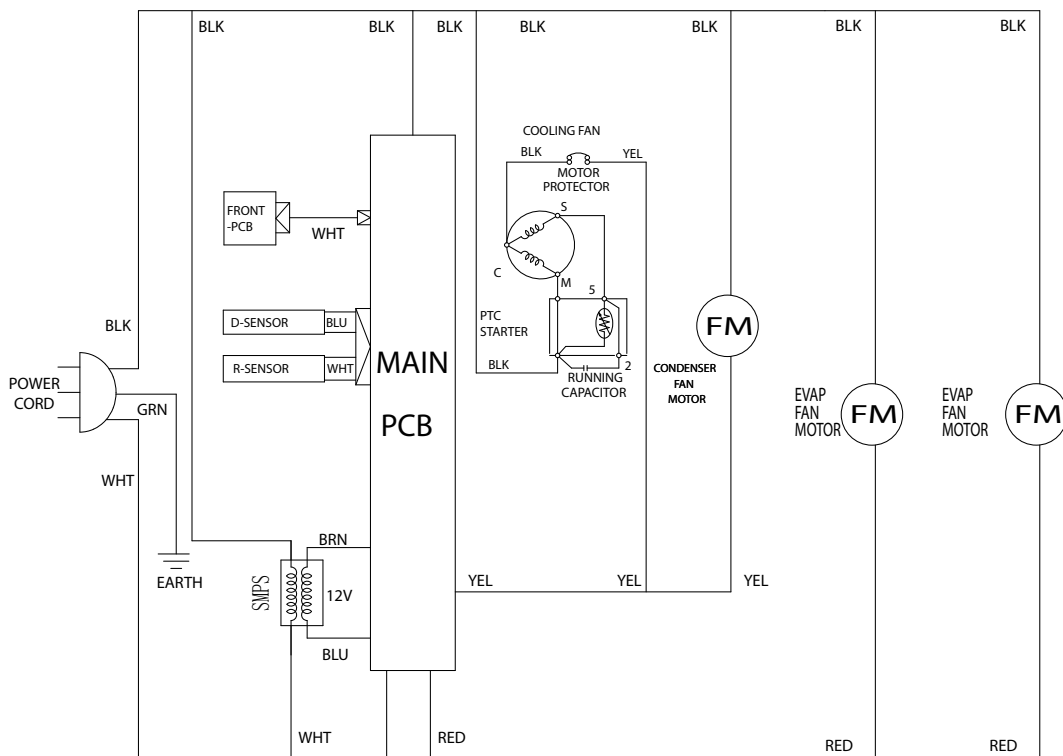
|    |                       |    |                  |    |                      |
|----|-----------------------|----|------------------|----|----------------------|
| 1  | MAIN PCB COVER        | 12 | EVAP DUCT (B)    | 23 | UNIT BRACKET         |
| 2  | FRONT PCB             | 13 | ASSY EVAP        | 24 | UNIT SIDE COVER      |
| 3  | ASSY UNIT FRONT COVER | 14 | EVAP DRAIN GUIDE | 25 | UNIT BRACKET (A)     |
| 4  | BOTTOM HINGE (L)      | 15 | EVAP AIR GUIDE   | 26 | SUCTION PIPE (B)     |
| 5  | BOTTOM HINGE (R)      | 16 | EVAP FAN MOTOR   | 27 | COMP                 |
| 6  | TOP HINGE (L)         | 17 | FAN COVER        | 28 | DRYER                |
| 7  | TOP HINGE (R)         | 18 | PAN GUIDE        | 29 | DRAIN CASE           |
| 8  | ASSY DOOR (L)         | 19 | PAN GUIDE (S)    | 30 | CONDENSER MOTOR ASSY |
| 9  | ASSY DOOR (M)         | 20 | PAN SUPPORT      | 31 | CONDENSER            |
| 10 | ASSY DOOR (R)         | 21 | COUNTERTOP       | 32 | CASTER               |
| 11 | EVAP DUCT (A)         | 22 | ASSY CABINET     |    |                      |

# WIRING DIAGRAMS

## JBT-36-N

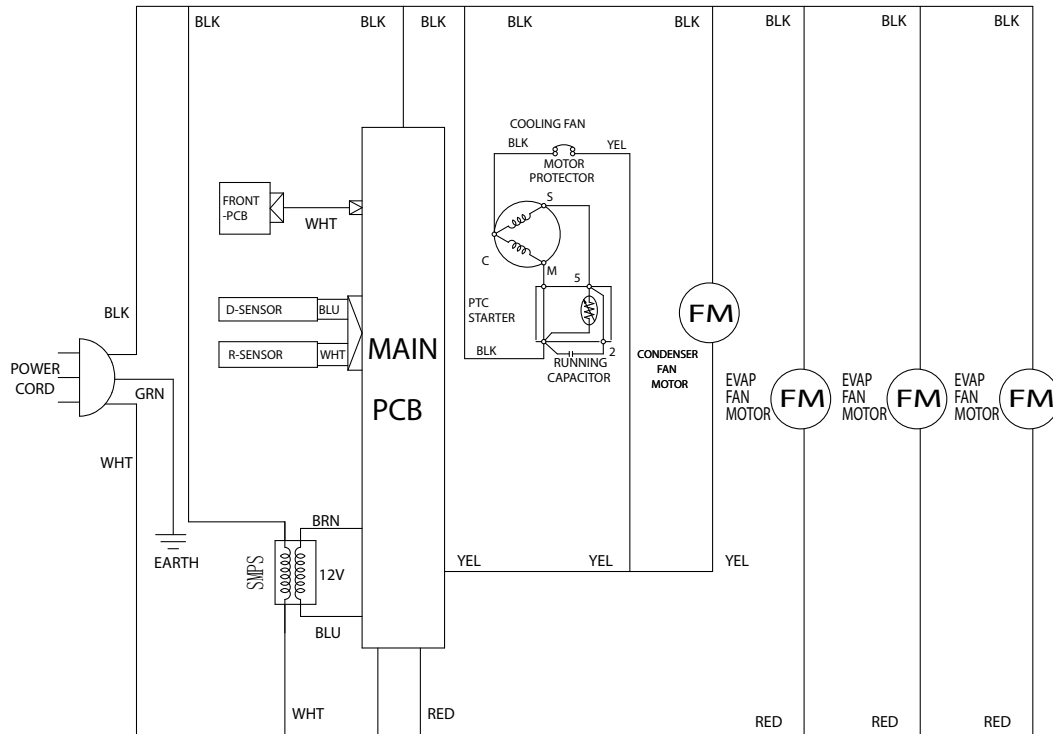


## JBT-48-N



# WIRING DIAGRAMS

## JBT-60/72-N



# MAIN COMPONENTS

## COMPRESSOR

| MODEL    | PART NAME   | PART NO. | HP  | CAPACITY | TYPE OF | INPUT | MAKER |
|----------|-------------|----------|-----|----------|---------|-------|-------|
| JBT-36-N | C-BHR400L2Y |          | 2/5 | ~        | CSR     | 282W  |       |
| JBT-48-N | C-BHR400L2Y |          | 2/5 | ~        | CSR     | 282W  |       |
| JBT-60-N | NEU2140U    |          | 1/2 | ~        | CISR    | 393W  |       |
| JBT-72-N | NEU2140U    |          | 1/2 | ~        | CISR    | 393W  |       |

## COMPRESSOR CAPACITOR

| MODEL    | STARTING         | PART NO. | RUNNING         | PART NO. | MAKER | NOTE |
|----------|------------------|----------|-----------------|----------|-------|------|
| JBT-36-N | 125 $\mu$ F 160V | -        | 30 $\mu$ F 200V | -        | -     | -    |
| JBT-48-N | 125 $\mu$ F 160V | -        | 30 $\mu$ F 200V | -        | -     | -    |
| JBT-60-N | 189-227 $\mu$ F  | -        | -               | -        | -     | -    |
| JBT-72-N | 189-227 $\mu$ F  | -        | -               | -        | -     | -    |

## CONDENSER FAN MOTOR

| MODEL    | PART NAME     | PART NO. | POLE | INPUT      | TYPE                     | BLADE | MAKER    |
|----------|---------------|----------|------|------------|--------------------------|-------|----------|
| JBT-36-N | IS-4420DWSG-1 |          | 4P   | 220V, 50Hz | SHADED POLE<br>INDUCTION | φ200  | SUNGSHIN |
| JBT-48-N |               |          |      |            |                          |       |          |
| JBT-60-N |               |          |      |            |                          |       |          |
| JBT-72-N |               |          |      |            |                          |       |          |

## EVAPORATOR FAN MOTOR

| MODEL    | PART NAME    | PART NO. | POLE | INPUT      | TYPE | BLADE |  |
|----------|--------------|----------|------|------------|------|-------|--|
| JBT-36-N | IS-27213QTBA |          | 2P   | 220V, 50Hz |      | Ø110  |  |
| JBT-48-N |              |          |      |            |      |       |  |
| JBT-60-N |              |          |      |            |      |       |  |
| JBT-72-N |              |          |      |            |      |       |  |

# PARTS LIST

| PART NAME           | PART CODE  | DESCRIPTION | MODEL    |          |          |          |
|---------------------|------------|-------------|----------|----------|----------|----------|
|                     |            |             | JBT-36-N | JBT-48-N | JBT-60-N | JBT-72-N |
| ASSY COUNTERTOP     | JBT3604201 |             | 1        |          |          |          |
| ASSY COUNTERTOP     | JBT4804201 |             |          | 1        |          |          |
| ASSY COUNTERTOP     | JBT6004201 |             |          |          | 1        |          |
| ASSY COUNTERTOP     | JBT7204201 |             |          |          |          | 1        |
| ASSY DOOR-1200 (L)  | JBT1200104 |             |          | 1        |          |          |
| ASSY DOOR-1200 (R)  | JBT1200202 |             |          | 1        |          |          |
| ASSY DOOR-1500 (L)  | JBT1500104 |             |          |          | 1        |          |
| ASSY DOOR-1500 (R)  | JBT1500202 |             | 1        |          | 1        |          |
| ASSY DOOR-1800 (L)  | JBT18L0202 |             |          |          |          | 1        |
| ASSY DOOR-1800 (M)  | JBT18M0203 |             |          |          |          | 1        |
| ASSY DOOR-1800 (R)  | JBT18R0302 |             |          |          |          | 1        |
| DOOR GASKET-1200    | KR23300107 | PVC         |          | 2        |          |          |
| DOOR GASKET-1500    | KR53300107 | PVC         | 1        |          | 2        |          |
| DOOR GASKET-1800    | KR83300107 | PVC         |          |          |          | 3        |
| DOOR BUSHING        | M720700108 | ABS         | 1        | 2        | 2        | 3        |
| DOOR BUSHING        | T8F0500701 | ABS         | 1        | 2        | 2        | 3        |
| SPRING BAR          | BR98400105 |             | 1        | 2        | 2        | 3        |
| BOTTOM HINGE (U)(L) | K5R1107102 | SUS         |          | 1        | 1        | 1        |
| BOTTOM HINGE (U)(R) | K5R1107202 | SUS         | 1        | 1        | 1        | 2        |
| TOP HINGE (L)       | KR89910304 | SUS         |          | 1        | 1        | 1        |
| TOP HINGE (R)       | KR89910404 | SUS         | 1        | 1        | 1        | 2        |
| EVAP                | JUR204103  | CU          | 1        |          |          |          |
| EVAP                | JUR204205  | CU          |          | 1        |          |          |
| EVAP                | JUR204305  | CU          |          |          | 1        |          |
| EVAP                | JUR205105  | CU          |          |          |          | 1        |

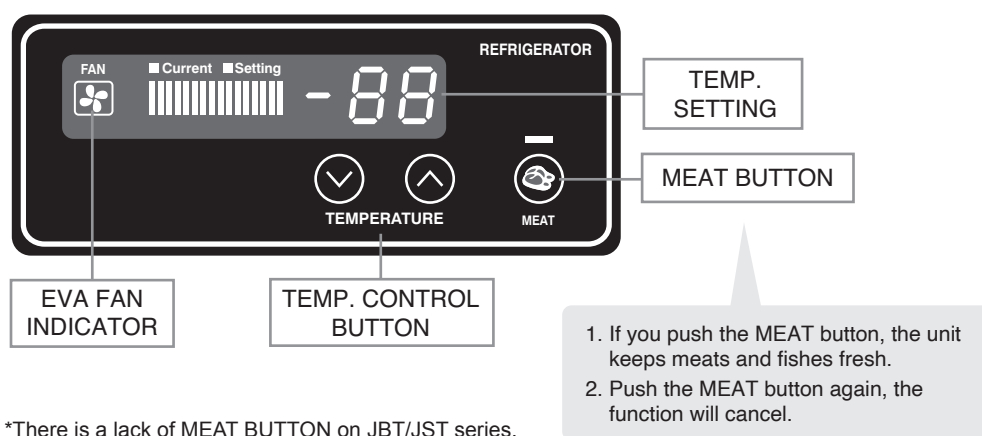
# PARTS LIST

| PART NAME             | PART CODE     | DESCRIPTION | MODEL     |           |           |           |
|-----------------------|---------------|-------------|-----------|-----------|-----------|-----------|
|                       |               |             | JUR-36-N6 | JUR-48-N6 | JUR-60-N6 | JUR-72-N6 |
| DRYER                 | BR84100101    | CU          | 1         | 1         | 1         | 1         |
| CONDENSER             | JUR600105     |             | 1         | 1         |           |           |
| CONDENSER             | JURF00106     |             |           |           | 1         | 1         |
| CONDENSER FAN MOTOR   | IS-4420DWSG-1 |             | 1         | 1         | 1         | 1         |
| EVAP FAN MOTOR        | IS-27213QTBA  |             | 1         | 2         | 3         | 3         |
| DISPLAY PCB           | KR85400400    |             | 1         | 1         | 1         | 1         |
| MAIN PCB              | JF75400200    |             | 1         | 1         | 1         | 1         |
| POWER CORD            | M721300202    |             | 1         | 1         | 1         | 1         |
| R SENSOR (S/P)        | K3F5102101    |             | 1         | 1         | 1         | 1         |
| SMPS                  | 6W            |             | 1         | 1         | 1         | 1         |
| FRONT PCB CASE        | KR99880103    | ABS         | 1         | 1         | 1         | 1         |
| ASSY UNIT FRONT COVER | B1R9523100    |             | 1         | 1         | 1         | 1         |
| EVA DRAIN GUIDE       | BR21900104    |             |           | 1         | 1         | 1         |
| EVA DRAIN GUIDE       | BR91900104    |             | 1         |           |           |           |
| UNIT SIDE COVER       | KR81400104    | SUS         | 1         | 1         | 1         | 1         |
| EVAP DUCT A           | JBT36A0100    |             | 1         |           |           |           |
| EVAP DUCT B           | JBT36A0200    |             | 1         |           |           |           |
| EVAP DUCT A           | JBT48A0101    |             |           | 1         |           |           |
| EVAP DUCT B           | JBT48A0201    |             |           | 1         |           |           |
| EVAP DUCT A           | JBT60A0101    |             |           |           | 1         |           |
| EVAP DUCT B           | JBT60A0201    |             |           |           | 1         |           |
| EVAP DUCT A           | JBT72A0101    |             |           |           |           | 1         |
| EVAP DUCT B           | JBT72A0201    |             |           |           |           | 1         |
| SHELF STANDARD        | Z932700500    | SUS         | 4         | 8         | 8         | 12        |
| FIXTURE SHELF CLIP    | 30220L0905    | PA-66       | 4         | 8         | 8         | 12        |
| SHELF-1200            | BR29000103    | pe          |           | 2         |           |           |
| SHELF-1500            | BR59000103    | pe          |           |           | 2         |           |
| SHELF-1800            | BR89000103    | pe          |           |           |           | 2         |
| SHELF-900             | BR99000103    | pe          | 1         |           |           | 1         |
| CASTER                | G8F65D0100    |             | 2         | 2         | 2         | 3         |
| CASTER                | G8F65D0200    |             | 2         | 2         | 2         | 3         |
| DRAIN PAN             | M729300105    | P.P         | 1         | 1         | 1         | 1         |
| DRAIN HOSE            | JR91105100    | PVC         | 1         | 1         | 1         | 1         |

# TEMPERATURE CONTROL INSTRUCTION

## BASIC OPERATION

1. Plug in and the Display panel will be lighted and make a beep sound.  
The compressor will begin to run.
  2. The compressor is automatically cycled by the electronic controller (PCB).
  3. The Defrost cycle is automatically controlled by the PCB.
  4. Good Air Flow in refrigerator unit is critical. Be careful to load product so that it neither presses against the back wall, nor reaches within four inches from the evaporator compartment.
- By pushing the up/down button, you can set the inside temperature.
  - If you want lower temperature, push the Down button to be lighted lower level numbers.



When the inside temperature is lower than  $-45^{\circ}\text{C}$ , the panel will display 'L0'

00

and higher than  $+18^{\circ}\text{C}$ , the panel will display 'HI'.

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# REPLACEMENT OF MAIN COMPONENTS

## REPLACING DOOR

A. Unscrew the top hinge



B. Lift the door

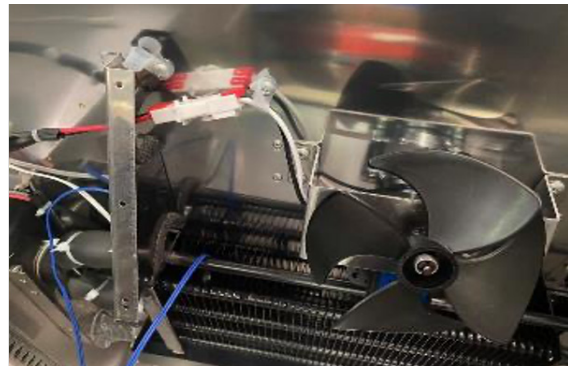


## REFRIGERATION COMPARTMENT PARTS

A. Disassemble the evaporator duct assembly



B. Disassemble the harness motor



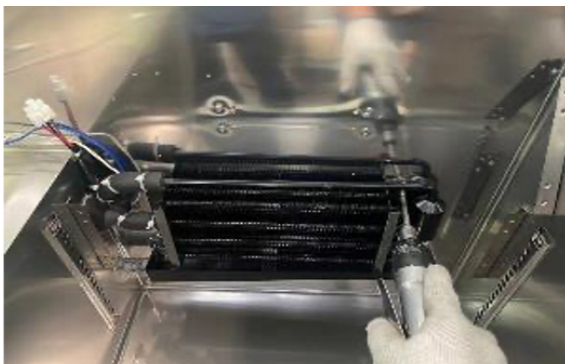
C. Remove the evaporator fan motor



D. Remove the air guide (L/R)



E. Remove the evaporator coil



# REPLACEMENT OF MAIN COMPONENTS

## COMPRESSOR COMPARTMENT PARTS

A. Disassemble the unit front cover assembly



B. Disassemble the unit side cover



C. Remove the mech cover



D. Remove the comp base



E. Disassemble the condensing unit



***Turbo air*** REFRIGERATOR MANUFACTURER

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