



# J Series

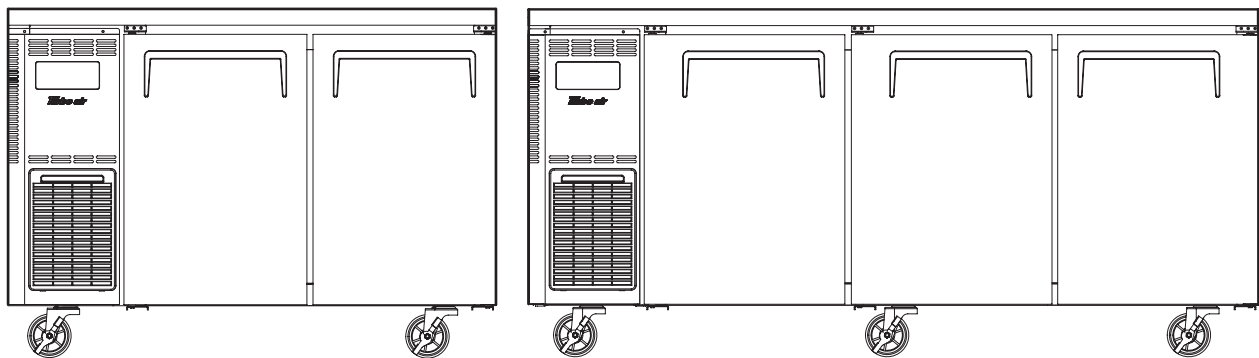
## Dual Temp. Undercounters

## Service Manual

JURF-48-N

JURF-60-N

JURF-72-N



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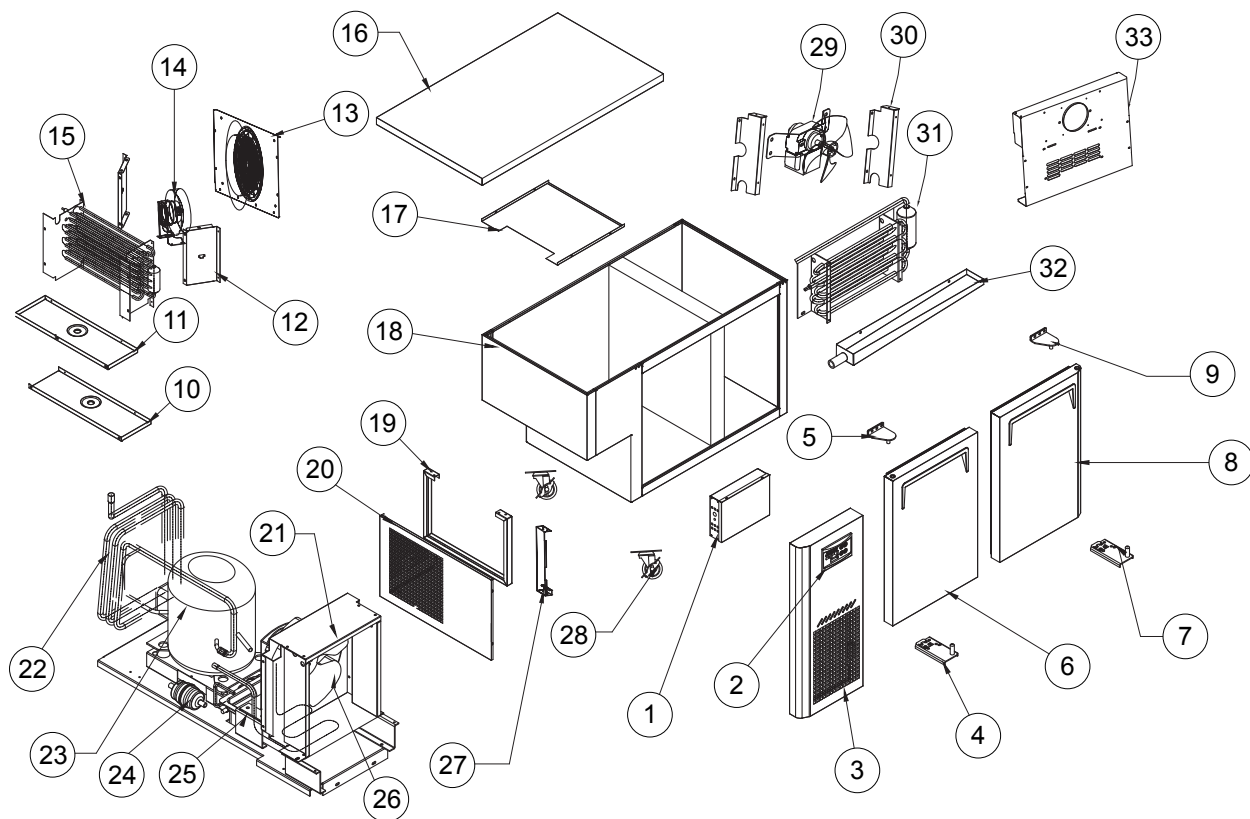
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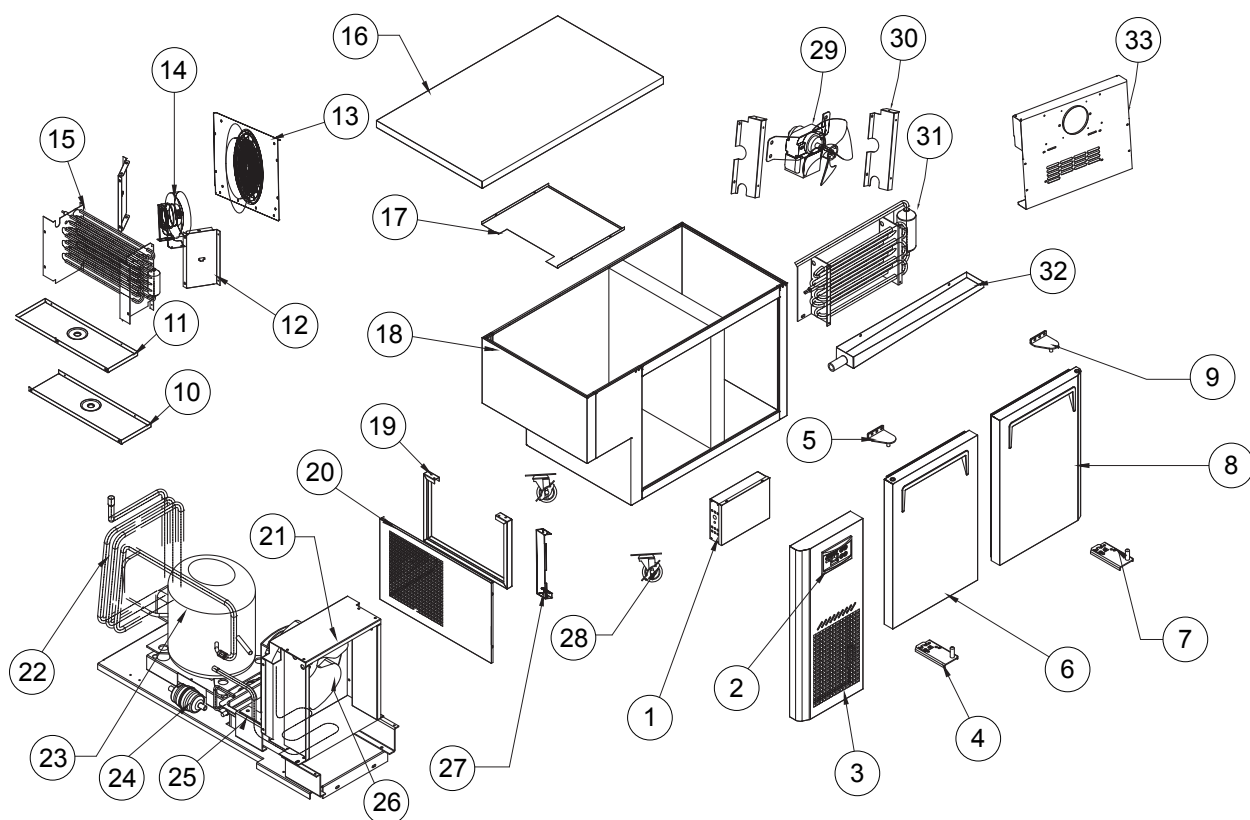
# JURF-48-N EXPLODED VIEW



## PART NAME

|    |                        |    |                    |    |                     |
|----|------------------------|----|--------------------|----|---------------------|
| 1  | MAIN PCB COVER         | 12 | AIR GUIDE (L/R)    | 23 | COMPRESSOR          |
| 2  | FRONT PCB              | 13 | EVAP DUCT          | 24 | DRYER               |
| 3  | ASSY UNIT FRONT COVER  | 14 | EVAP FAN MOTOR     | 25 | DRAIN PAN           |
| 4  | BOTTOM HINGE (L)       | 15 | EVAP ASSY          | 26 | CONDENSER FAN MOTOR |
| 5  | TOP HINGE (L)          | 16 | COUNTERTOP         | 27 | UNIT BRACKET (A)    |
| 6  | DOOR (L)-1200          | 17 | EVAP FAN AIR GUIDE | 28 | CASTER              |
| 7  | BOTTOM HINGE (R)       | 18 | CABINET ASSY       | 29 | EVAP FAN MOTOR      |
| 8  | DOOR (R)-1200          | 19 | UNIT BRACKET       | 30 | AIR GUIDE (L/R)     |
| 9  | TOP HINGE (R)          | 20 | UNIT SIDE COVER    | 31 | EVAP ASSY           |
| 10 | EVAP DRAIN GUIDE COVER | 21 | CONDENSER ASSY     | 32 | AIR GUIDE (L/R)     |
| 11 | EVAP DRAIN GUIDE       | 22 | SUCTION PIPE       | 33 | EVAP DUCT           |

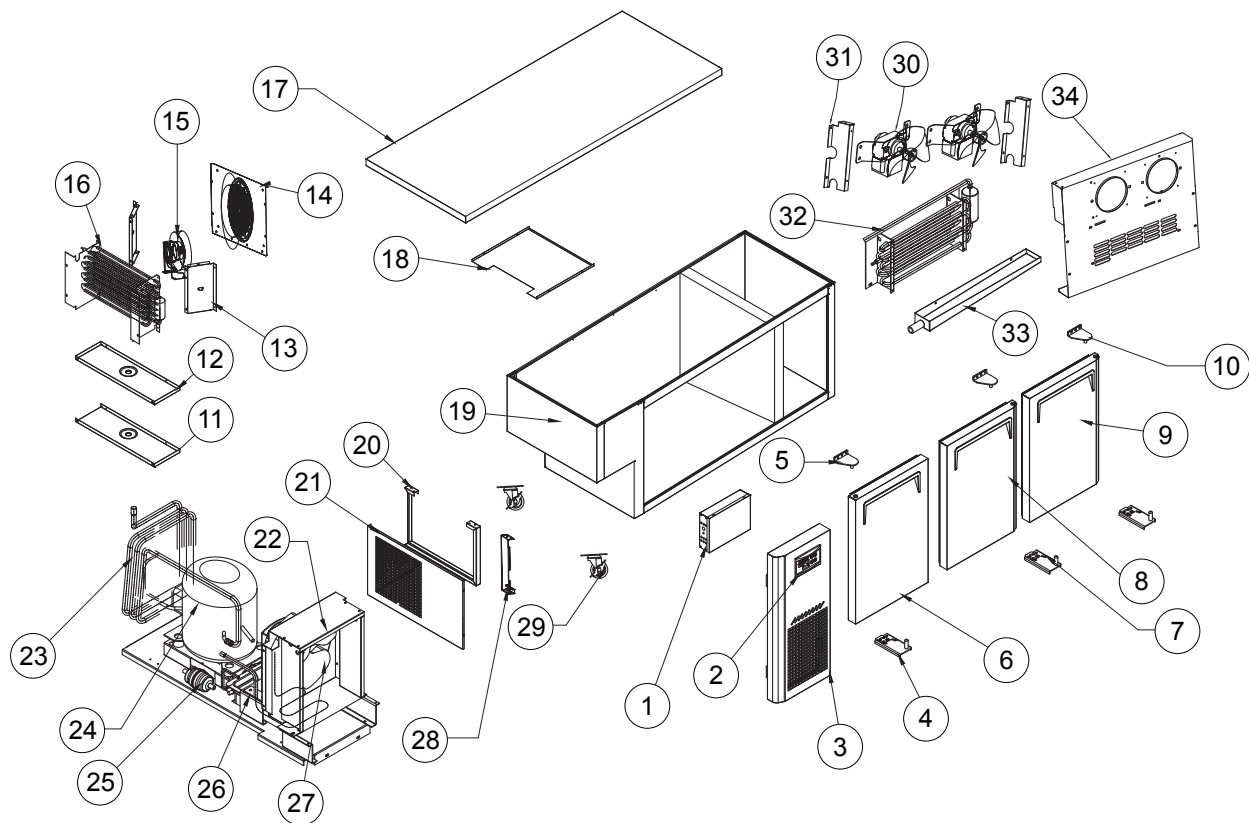
# JURF-60-N EXPLODED VIEW



## PART NAME

|    |                        |    |                    |    |                     |
|----|------------------------|----|--------------------|----|---------------------|
| 1  | MAIN PCB COVER         | 12 | AIR GUIDE (L/R)    | 23 | COMPRESSOR          |
| 2  | FRONT PCB              | 13 | EVAP DUCT          | 24 | DRYER               |
| 3  | ASSY UNIT FRONT COVER  | 14 | EVAP FAN MOTOR     | 25 | DRAIN PAN           |
| 4  | BOTTOM HINGE (L)       | 15 | EVAP ASSY          | 26 | CONDENSER FAN MOTOR |
| 5  | TOP HINGE (L)          | 16 | COUNTERTOP         | 27 | UNIT BRACKET (A)    |
| 6  | DOOR (L)-1500          | 17 | EVAP FAN AIR GUIDE | 28 | CASTER              |
| 7  | BOTTOM HINGE (R)       | 18 | CABINET ASSY       | 29 | EVAP FAN MOTOR      |
| 8  | DOOR (R)-1500          | 19 | UNIT BRACKET       | 30 | AIR GUIDE (L/R)     |
| 9  | TOP HINGE (R)          | 20 | UNIT SIDE COVER    | 31 | EVAP ASSY           |
| 10 | EVAP DRAIN GUIDE COVER | 21 | CONDENSER ASSY     | 32 | AIR GUIDE (L/R)     |
| 11 | EVAP DRAIN GUIDE       | 22 | SUCTION PIPE       | 33 | EAVP DUCT           |

# JURF-72-N EXPLODED VIEW

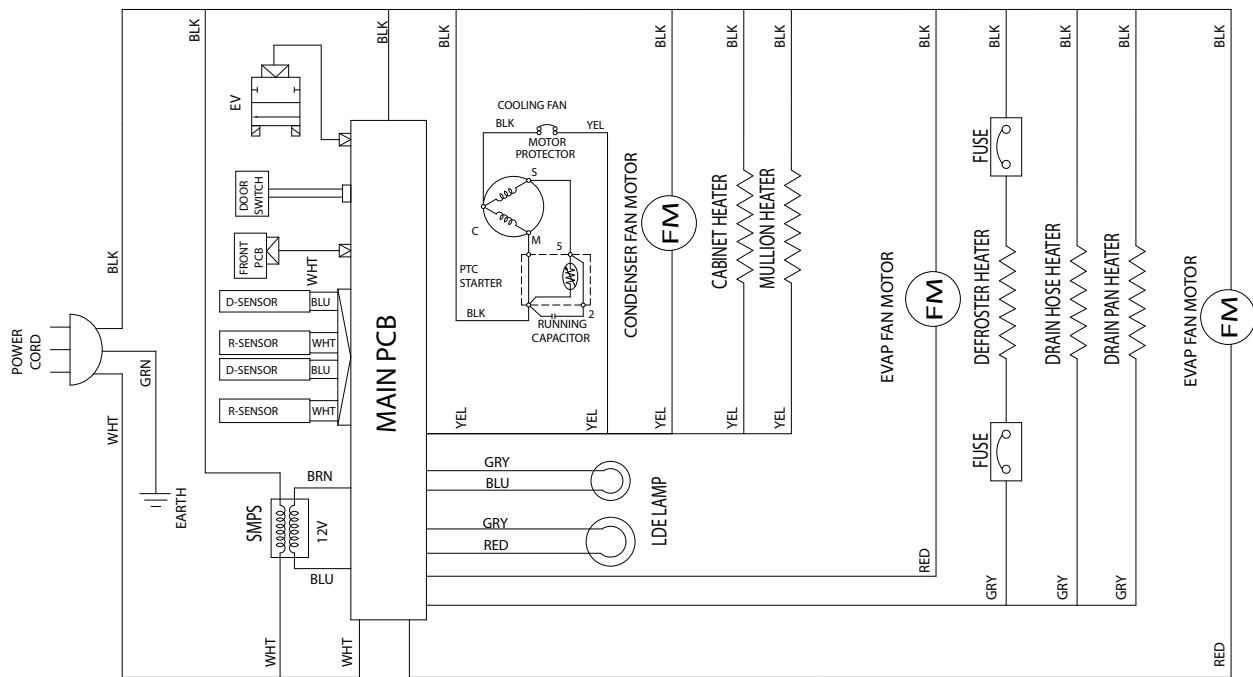


## PART NAME

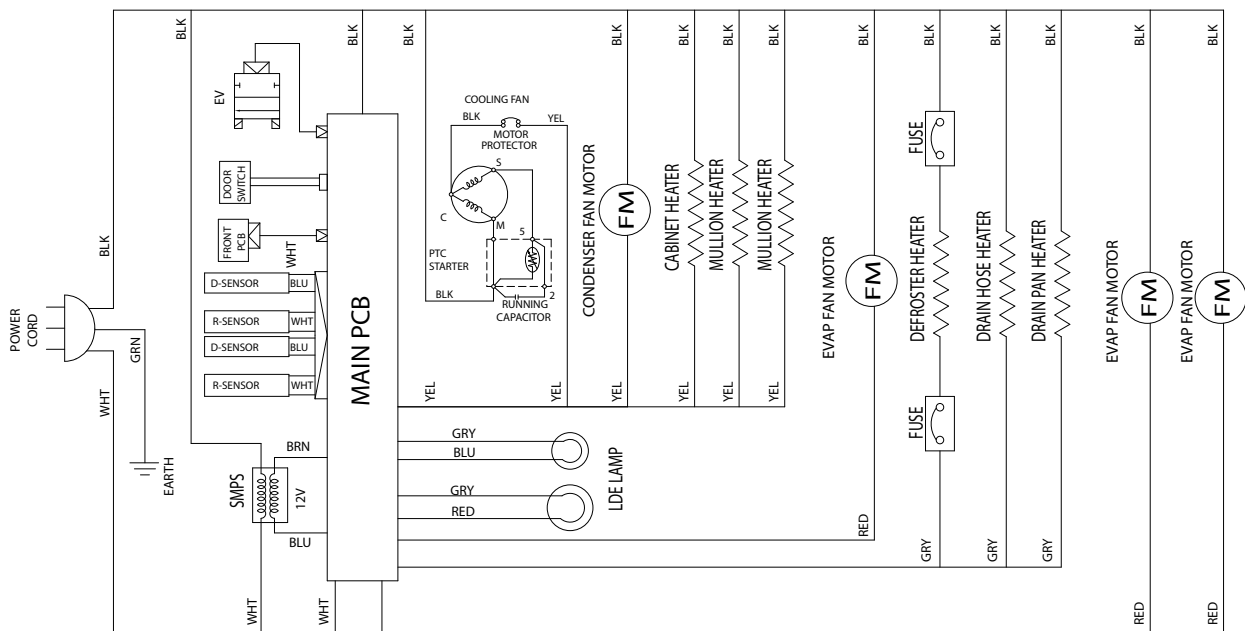
|    |                        |    |                    |    |                     |
|----|------------------------|----|--------------------|----|---------------------|
| 1  | MAIN PCB COVER         | 13 | AIR GUIDE (L/R)    | 25 | DRYER               |
| 2  | FRONT PCB              | 14 | EVAP DUCT          | 26 | DRAIN PAN           |
| 3  | ASSY UNIT FRONT COVER  | 15 | EVAP FAN MOTOR     | 27 | CONDENSER FAN MOTOR |
| 4  | BOTTOM HINGE (L)       | 16 | EVAP ASSY          | 28 | UNIT BRACKET (A)    |
| 5  | TOP HINGE (L)          | 17 | COUNTERTOP         | 29 | CASTER              |
| 6  | DOOR (L)-1800          | 18 | EVAP FAN AIR GUIDE | 30 | EVAP FAN MOTOR      |
| 7  | BOTTOM HINGE (R)       | 19 | CABINET ASSY       | 31 | AIR GUIDE (L/R)     |
| 8  | DOOR (M)-1800          | 20 | UNIT BRACKET       | 32 | EVAP ASSY           |
| 9  | DOOR (R)-1800          | 21 | UNIT SIDE COVER    | 33 | EVAP DRAIN GUIDE    |
| 10 | TOP HINGE (R)          | 22 | CONDENSER ASSY     | 34 | EVAP DUCT           |
| 11 | EVAP DRAIN GUIDE COVER | 23 | SUCTION PIPE       |    |                     |
| 12 | EVAP DRAIN GUIDE       | 24 | COMPRESSOR         |    |                     |

# WIRING DIAGRAMS

## JURF-48/60-N



## JURF-72-N



# MAIN COMPONENTS

## COMPRESSOR

| MODEL     | PART NAME   | PART NO. | HP  | CAPACITY | TYPE OF | INPUT     | MAKER |
|-----------|-------------|----------|-----|----------|---------|-----------|-------|
| JURF-48-N | C-BHR325L2Z |          | 1/3 | ~        | CSR     | 115V 60HZ |       |
| JURF-60-N | C-BHR350L2Y |          | 1/3 | ~        | CSR     | 115V 60HZ |       |
| JURF-72-N | C-BHR400L2Y |          | 2/5 | ~        | CSR     | 115V 60HZ |       |

## COMPRESSOR CAPACITOR

| MODEL     | STARTING         | PART NO. | RUNNING         | PART NO. | MAKER | NOTE |
|-----------|------------------|----------|-----------------|----------|-------|------|
| JURF-48-N | 100 $\mu$ F 160V | -        | 20 $\mu$ F 450V | -        | -     | -    |
| JURF-60-N | 100 $\mu$ F 160V | -        | 20 $\mu$ F 450V | -        | -     | -    |
| JURF-72-N | 125 $\mu$ F 160V | -        | 30 $\mu$ F 200V | -        | -     | -    |

## CONDENSER FAN MOTOR

| MODEL     | PART NAME  | PART NO. | POLE | INPUT      | TYPE                  | BLADE | MAKER |
|-----------|------------|----------|------|------------|-----------------------|-------|-------|
| JURF-48-N | 4511003050 | -        | 4P   | 115V, 60Hz | SHADED POLE INDUCTION | AL5   |       |
| JURF-60-N |            |          |      |            |                       |       |       |
| JURF-72-N |            |          |      |            |                       |       |       |

## EVAPORATOR FAN MOTOR

| MODEL     | PART NAME  | PART NO. | POLE | INPUT      | TYPE                  | BLADE | MAKER |
|-----------|------------|----------|------|------------|-----------------------|-------|-------|
| JURF-48-N | 4511003050 | -        | 4P   | 115V, 60Hz | SHADED POLE INDUCTION | AL5   |       |
| JURF-60-N |            |          |      |            |                       |       |       |
| JURF-72-N |            |          |      |            |                       |       |       |

| MODEL     | PART NAME    | PART NO. | POLE | INPUT      | TYPE                  | BLADE | MAKER |
|-----------|--------------|----------|------|------------|-----------------------|-------|-------|
| JURF-48-N | ADL-5846TBEA | -        | 2P   | 115V, 60Hz | SHADED POLE INDUCTION | AL5   |       |
| JURF-60-N |              |          |      |            |                       |       |       |
| JURF-72-N |              |          |      |            |                       |       |       |

# PARTS LIST

| PART NAME           | PART CODE  | DESCRIPTION | MODEL     |           |           |
|---------------------|------------|-------------|-----------|-----------|-----------|
|                     |            |             | JURF-48-N | JURF-60-N | JURF-72-N |
| COUNTERTOP ASSY     | KR2RF00100 |             | 1         |           |           |
| COUNTERTOP ASSY     | KR5RF00100 |             |           | 1         |           |
| COUNTERTOP ASSY     | KR9RF00100 |             |           |           | 1         |
| DOOR ASSY (L)-1200  | JUR4805104 |             | 1         |           |           |
| DOOR ASSY (R)-1200  | JUR4805202 |             | 1         |           |           |
| DOOR ASSY (L)-1500  | JUR6005104 |             |           | 1         |           |
| DOOR ASSY (R)-1500  | JUR6005202 |             |           | 1         |           |
| DOOR ASSY (L)-1800  | JUR7205402 |             |           |           | 1         |
| DOOR ASSY (M)-1800  | JURF728503 |             |           |           | 1         |
| DOOR ASSY (R)-1800  | JUR7205602 |             |           |           | 1         |
| DOOR GASKET         | KR23300107 | PVC         | 2         |           |           |
| DOOR GASKET         | KR53300107 | PVC         |           | 2         |           |
| DOOR GASKET         | KR83300107 | PVC         |           |           | 2         |
| DOOR GASKET         | KRF8330102 | PVC         |           |           | 1         |
| DOOR BUSHING        | M720700108 | ABS         | 2         | 2         | 3         |
| DOOR BUSHING        | T8F0500701 |             | 2         | 2         | 3         |
| SPRING BAR          | BR98400105 |             | 2         | 2         | 3         |
| BOTTOM HINGE (U)(L) | K5R1107102 | SUS         | 1         | 1         |           |
| BOTTOM HINGE (U)(R) | K5R1107202 | SUS         | 1         | 1         |           |
| BOTTOM HINGE (R)    | KR89910101 | SUS         |           |           | 1         |
| BOTTOM HINGE (L)    | KR89940101 | SUS         |           |           | 2         |
| TOP HINGE (L)       | KR89910304 | SUS         | 1         | 1         | 1         |
| TOP HINGE (R)       | KR89910404 | SUS         | 1         | 1         | 2         |
| EVA ASSY            | JUR200106  | CU          | 1         | 1         | 1         |
| EVA ASSY            | JUR203103  | CU          | 1         |           |           |
| EVA ASSY            | JUR203404  | CU          |           | 1         |           |
| EVA ASSY            | JUR203504  | CU          |           |           | 1         |
| DRYER               | BR84100101 |             | 1         | 1         | 1         |
| CONDENSER ASSY      | JURF01106  | CU          | 1         |           |           |
| CONDENSER ASSY      | JURF00106  | CU          |           | 1         | 1         |
| CONDENSER FAN MOTOR | 4511003050 |             | 1         | 1         | 1         |

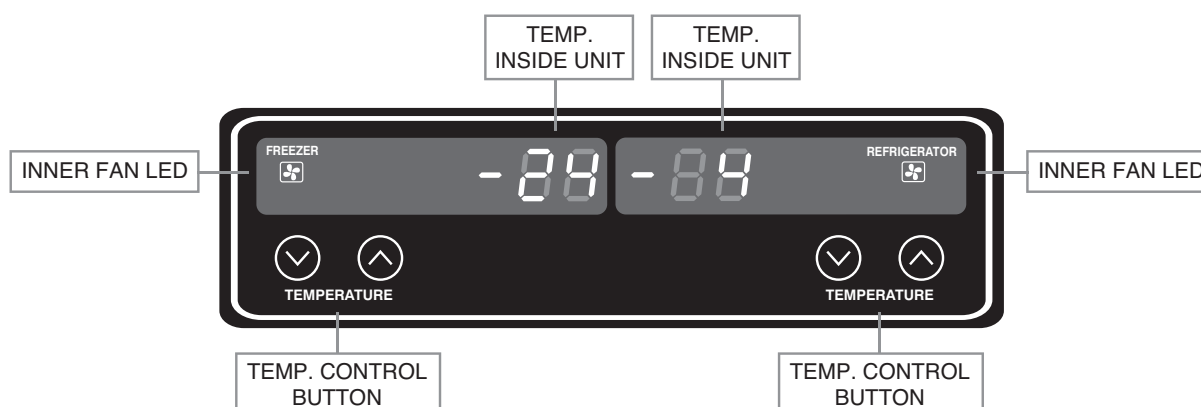
# PARTS LIST

| PART NAME             | PART CODE    | DESCRIPTION        | MODEL     |           |           |
|-----------------------|--------------|--------------------|-----------|-----------|-----------|
|                       |              |                    | JURF-48-N | JURF-60-N | JURF-72-N |
| EVAP FAN MOTOR        | 4511003050   |                    | 1         | 1         | 1         |
| EVAP FAN MOTOR        | ADL-5846TBEA |                    | 1         | 1         | 2         |
| DISPLAY PCB           | JR85400101   |                    | 1         | 1         | 1         |
| MAIN PCB              | BR85400100   |                    | 1         | 1         | 1         |
| POWER CORD            | M721300202   |                    | 1         | 1         | 1         |
| R SENSOR              | K3F5102100   |                    | 1         | 1         | 1         |
| D SENSOR              | K3F5102001   |                    | 1         | 1         | 1         |
| ASSY MULLION (90mm)   | KR22100100   |                    |           |           | 1         |
| ASSY UNIT FRONT COVER | B1R8917102   |                    | 1         | 1         | 1         |
| EVA DRAIN GUIDE       | KR91800205   | SUS                | 1         | 1         | 1         |
| ASSY EVA DRAIN GUIDE  | KRF2900100   |                    | 1         |           |           |
| ASSY EVA DRAIN GUIDE  | BR91900104   |                    |           | 1         |           |
| ASSY EVA DRAIN GUIDE  | KRF8900100   |                    |           |           | 1         |
| EVA DRAIN GUIDE COVER | KR91800302   | SUS                | 1         | 1         | 1         |
| UNIT SIDE COVER       | KRF2730100   | SUS                | 1         | 1         | 1         |
| EVAP DUCT             | KF81700104   | SUS                | 1         | 1         | 1         |
| EVAP DUCT             | KK60102100   | SUS                | 1         |           |           |
| EVAP DUCT             | KK40132100   | SUS                |           | 1         |           |
| EVAP DUCT             | KK6018100    | SUS                |           |           | 1         |
| SHELF STANDARD        | K3F2700500   | SUS                | 4         | 8         | 8         |
| FIXTURE SHELF CLIP    | 30220L0905   | PA-66              | 8         | 8         | 12        |
| SHELF                 | KRF2700100   | Pe-Co (White)      | 1         |           |           |
| SHELF                 | KRF2700200   | Pe-Co (White)      | 1         |           |           |
| SHELF                 | KR99000101   | Pe-Co (White)      |           | 1         |           |
| SHELF                 | KRF5700100   | Pe-Co (White)      |           | 1         |           |
| SHELF                 | KR29000101   | Pe-Co (White)      |           |           | 1         |
| SHELF                 | KRF8700100   | Pe-Co (White)      |           |           | 2         |
| CASTER                | G8F65D0100   | 4 inch (non-brake) | 2         | 2         | 3         |
| CASTER                | G8F65D0200   | 4 inch (w/brake)   | 2         | 2         | 3         |
| DRAIN PAN             | M729300105   | P.P                | 1         | 1         | 1         |
| FRONT PCB CASE        | KR99880102   | ABS                | 1         | 1         | 1         |
| DRAIN HOUSE           | KR91105101   | PVC                | 1         | 1         | 1         |
| DRAIN HOUSE HEATER    | T8F5300302   |                    | 1         | 1         | 1         |
| DRAIN PAN HEATER      | BR87910104   |                    | 1         | 1         | 1         |
| DEFROST HEATER        | JF95300206   |                    | 1         |           |           |
| CABINET HEATER        | JR25300104   |                    | 1         |           |           |
| CABINET HEATER        | JR55300104   |                    |           | 1         |           |
| CABINET HEATER        | JR85300104   |                    |           |           | 1         |
| MULLIOM HEATER        | JR85300208   |                    | 1         | 1         | 2         |

# 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 higher level numbers.



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

LO

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

HI

# REPLACEMENT OF MAIN COMPONENTS

## REPLACING DOOR

A. Unscrew the top hinge



B. Lift the door

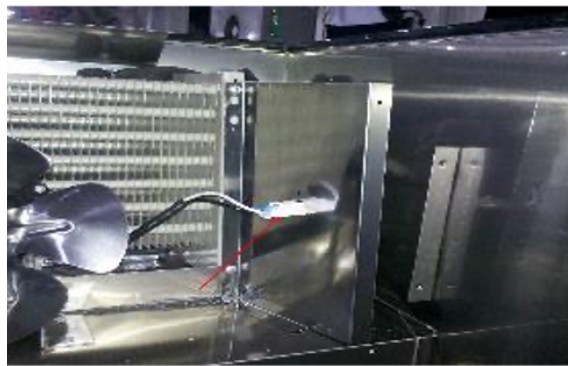


## REFRIGERATION COMPARTMENT PARTS

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

4184 E. Conant St., Long Beach, CA 90808  
Toll Free: 1-800-381-7770  
Fax: 310-900-1033  
Email: [warranty@turboairinc.com](mailto:warranty@turboairinc.com)

**[www.turboairinc.com](http://www.turboairinc.com)**