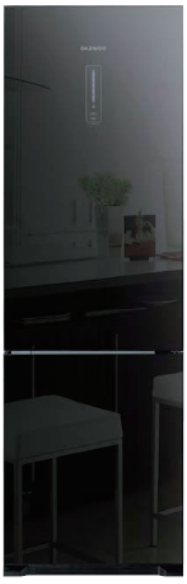
S/M No.: FT32600001

# Service Manual

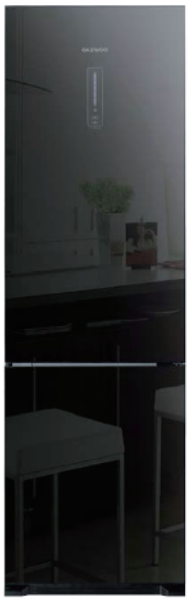
## Refrigerator

*RF-T405N../RN-T405N..*



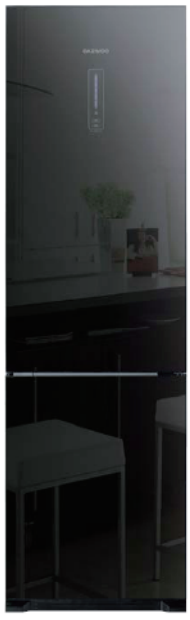
*RFT-326..*

*RF-T425N../RN-T425N..*



*RFT-346..*

*RF-T455N../RN-T455N..*



*RFT-356..*

## ✔ Caution

In this manual, some parts can be changed for improving their performance without notice. So, If you need the latest parts information, please visit and refer to PPL (Parts Price List) ] in Service Infromation Center. ( http://svc.dwe.co.kr )

*Apr. 2011.*

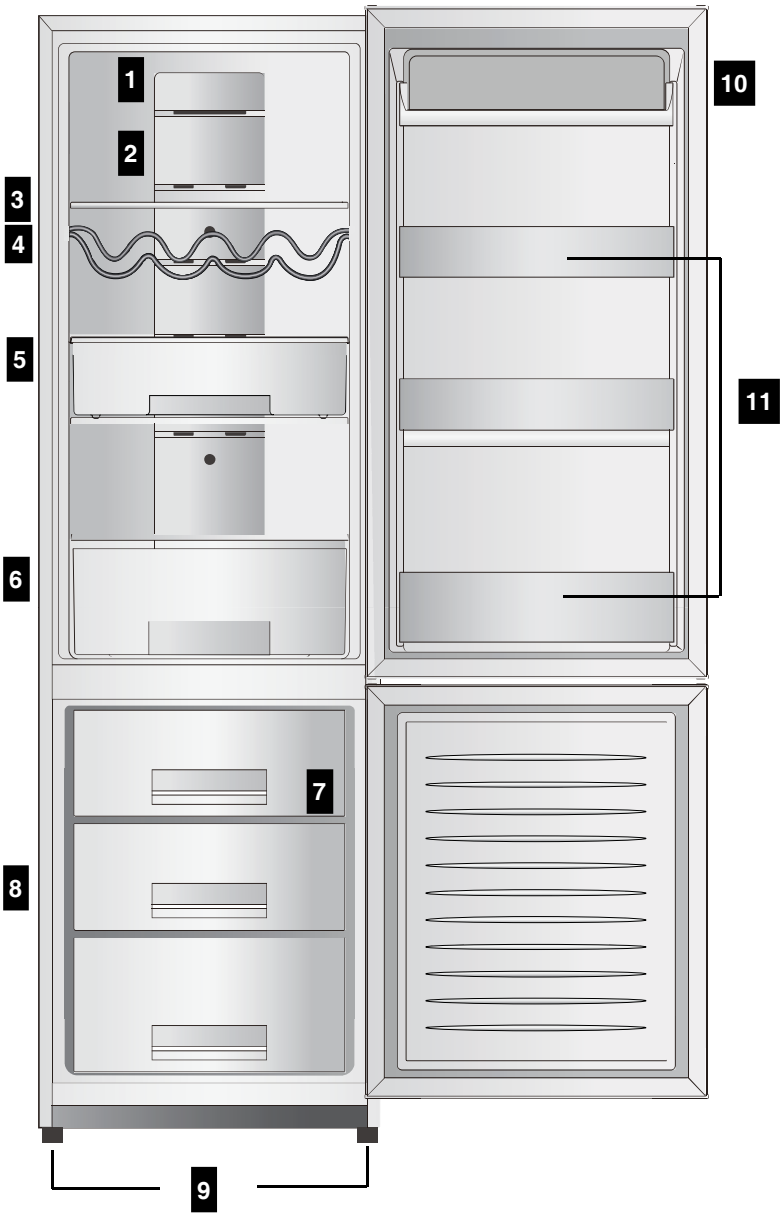
**1. Model Information**

** is option code*

| Refrigerant Type | | R-134a | | | R-600a | | |
|---|---|---|---|---|---|---|---|
| Model No. | | RF-T405N** | RF-T425N** | RF-T455N** | RN-T405N** | RN-T425N** | RN-T455N** |
| Control Type | | FCP Touch control | | | | | |
| Gross Vol. (ISO 15502) | Total | 365 | 375 | 404 | 365 | 375 | 404 |
| | Freezer | 120 | 120 | 120 | 120 | 120 | 120 |
| | Refrigerator | 245 | 255 | 284 | 245 | 255 | 284 |
| Storage Vol. (ISO 15502) | Total | 315 | 332 | 358 | 315 | 332 | 358 |
| | Freezer | 90 | 90 | 90 | 90 | 90 | 90 |
| | Refrigerator | 225 | 242 | 268 | 225 | 242 | 268 |
| Diemension | Width | 595 | 595 | 595 | 595 | 595 | 595 |
| | Depth | 651 | 651 | 651 | 651 | 651 | 651 |
| | Height | 1857 | 1897 | 2000 | 1857 | 1897 | 2000 |
| Cooling Cycle | Refrigerant Charge | 0.095kg | | | 0.040kg | | |
| | Evaporator Type | Fin Type | | | | | |
| | Condenser Type | Fan Cooling System | | | | | |
| | Dryer | Molecular Sieve xH-9 | | | | | |
| | Capillary Tube | ID0.7 x T0.55 x L2320 | | | | | |
| | Defrost Type | Automatic Start & Stop | | | | | |
| Heater | Defrost Heater | AC230V, 180W | | | AC230V, 160W | | |
| | Defrost Shape | Glass Type | | | Sheath Type | | |
| Electric Part | Freezer Fan Motor | AC 230V/50Hz or DC 12V | | | | | |
| | Condenser Fan Motor | AC 230V/50Hz or DC 10V | | | | | |
| | Refrigerator Lamp | LED | | | | | |
| Weight | | 67 | 69 | 73 | 70 | 72 | 76 |
| Blowing Agent | | C-Pentane | | | | | |

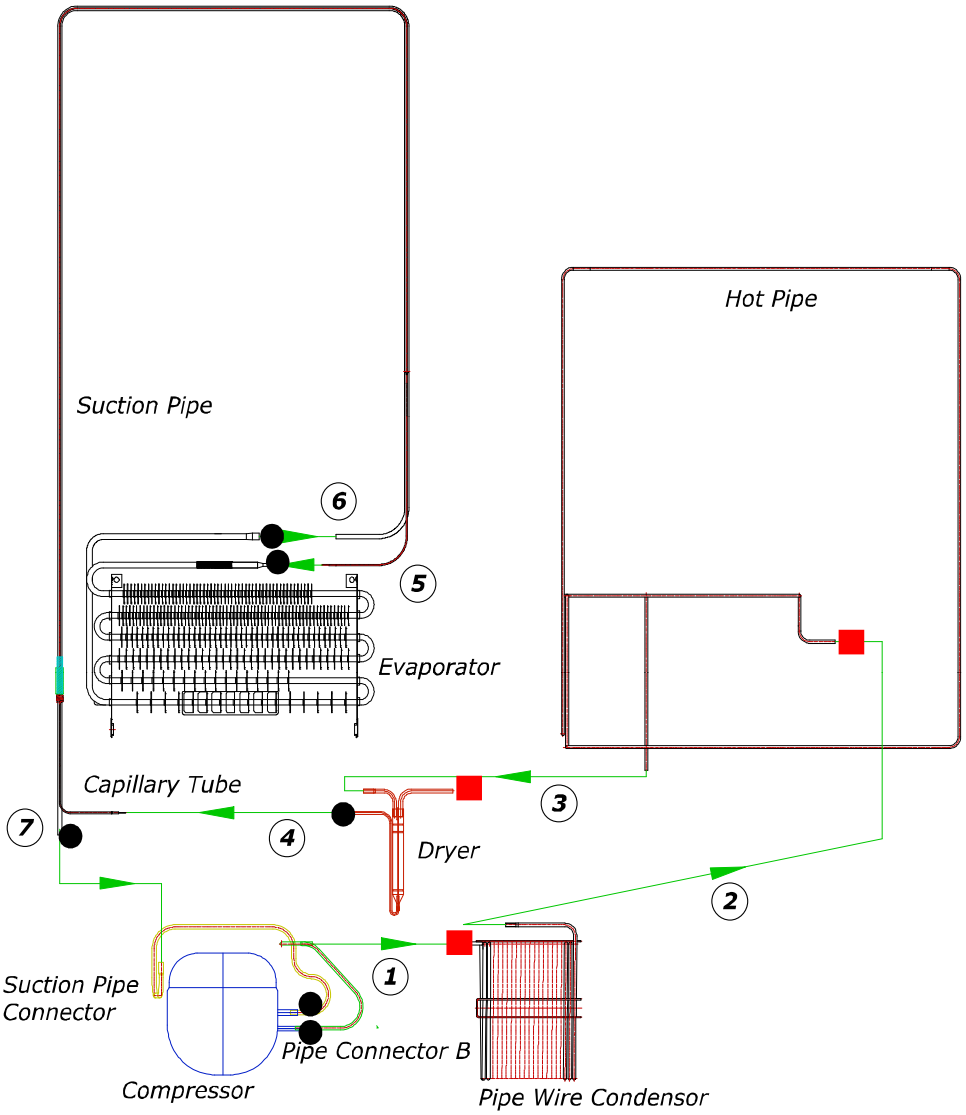
## 2. Interior Parts

※ The real features are model dependent




1. Freshfood compartment LED
2. Multi-Duct
3. Freshfood compartment Shelves
4. Fresh Care Crisper (option )
5. Wine Keeper (option)
6. Vegetable Case
7. Temperautre control Knob
8. Freezer Case (3EA)
9. Adjustable Foot
10. Dairy Pocket
11. Freshfood compartment Pocket

### 3. Refrigerant Cycle

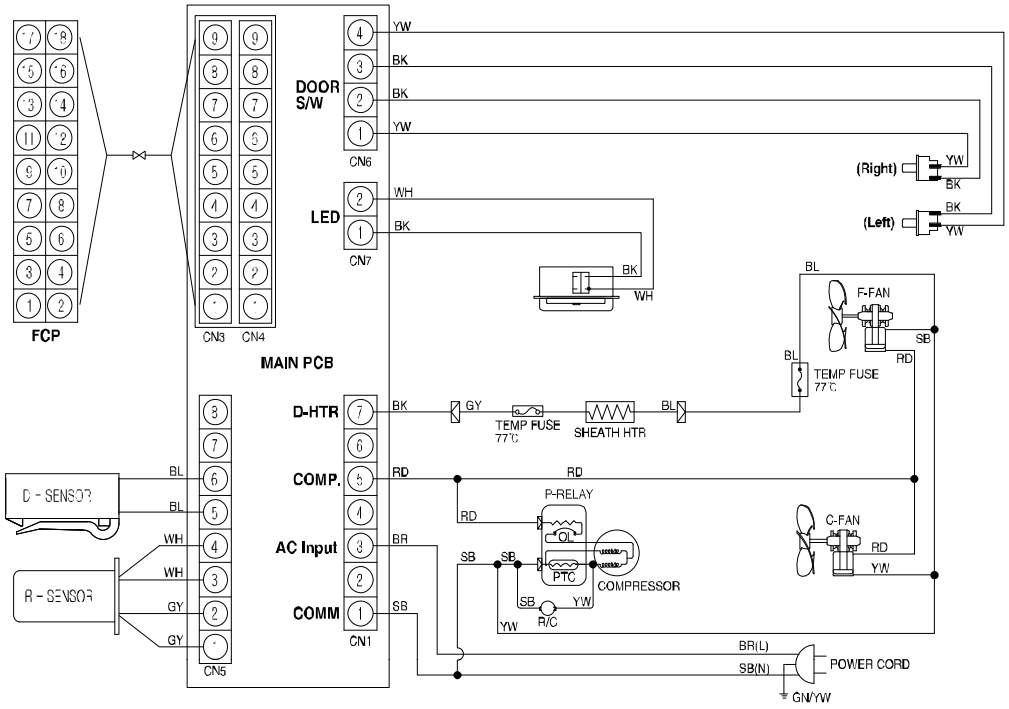



**- Welding Point**

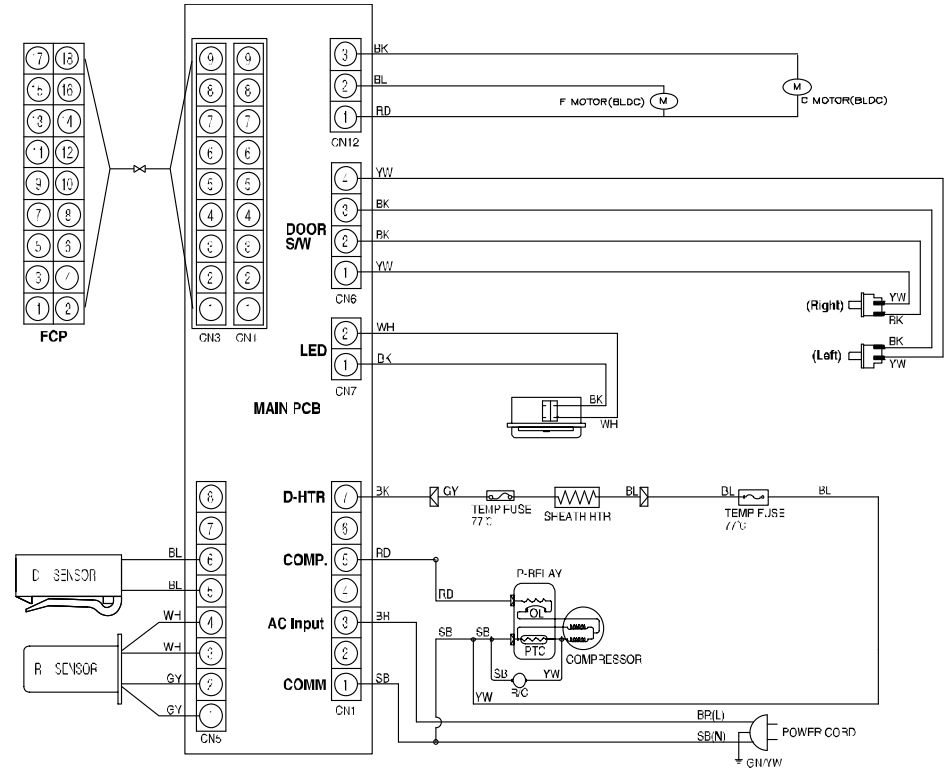
| | | |
|---|---|---|
| ● | Copper Welding ( Ag 5%) | 6 Point |
| ■ | Silver Welding ( Ag 30%) | 3 Point |

## 4. Wiring Diagram

- For AC Motor

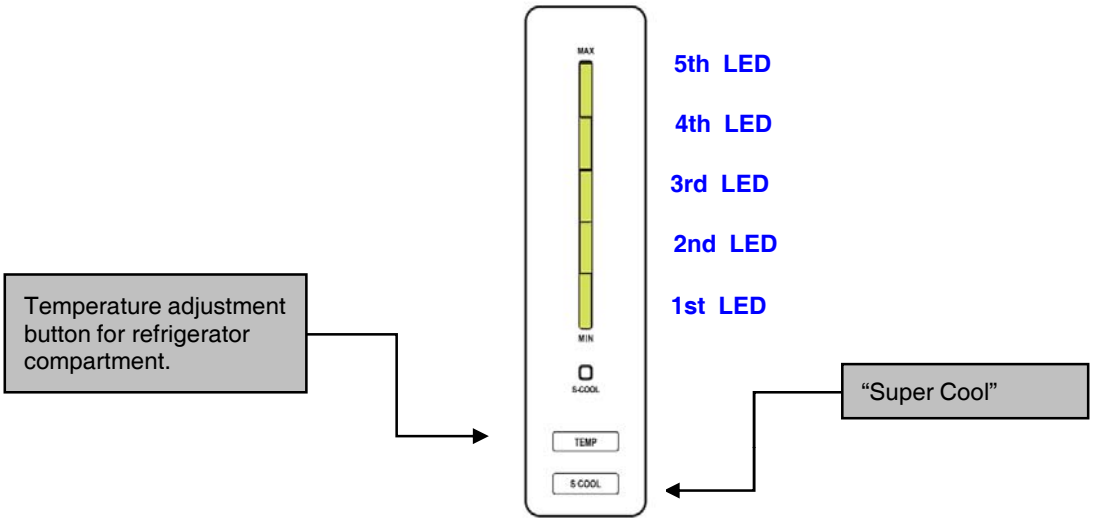



- For DC Motor (Europe)



## 1. DISPLAY

| INPUT | CONTROL OBJECT |
|---|---|
| PCB Control Panel Buttons | PCB Control Panel LED |




| No | LED DISPLAY | FUNCTION | OPERATION |
|---|---|---|---|
| 1 | 3rd LED | TEMP STEP "NOR" | Initially position |
| | 4th LED | TEMP STEP "MAX-NOR" | Push "TEMP" button 1 times. |
| | 5th LED | TEMP STEP "MAX" | Push "TEMP" button 2 times. |
| | 1st LED | TEMP STEP "MIN" | Push "TEMP" button 3 times. |
| | 2nd LED | TEMP STEP "MIN-NOR" | Push "TEMP" button 4 times. |
| | LED "S-COOL" on | TEMP S-COOL | Push "S-COOL" button 1 time. |
| 2 | 3rd LED is on/off | ERROR R SENSOR. | **[Error display]**<br>Push "TEMP" button 5 times while opening<br>Refrigator door .<br>**The Priorities of Error :**<br>R SENSOR> RT SENSOR> DR S/W> CYCLE> DEFROST |
| | 2nd LED is on/off | ERROR RT SENSOR | |
| | 1st LED is on/off | ERROR D SENSOR | |
| | 2nd & 3rd is on/off | ERROR DOOR S/W | |
| | 1st & 3rd is on/off | ERROR "CYCLE" | |
| | 1st & 2nd is on/off | ERROR "DEFROST" | |
| 3 | 3rd LED and "S-COOL" LED is on. | Forced (Quick) Defrost Test | Push "S-COOL" button 5 times while opening the refrigerator door.<br>(not Error ) |
| 4 | 1st LED and "S-COOL" LED is on | Pull Down Test | Push "TEMP" button 30 times.<br>(not Error ) |

## 2. Temperature Control of Refrigerator Compartment

| INPUT | CONTROL OBJECT |
|---|---|
| PCB Control Panel "TEMP" Buttons<br>R-sensor | PCB Control Panel LED<br>COMPRESSOR, FAN |

**A. "TEMP" Button**

1. Temperature control of Refrigerator compartment
2. 5 step mode of successive temperature mode
3. Initial mode by power input: step "NOR"
4. Temperature will be set if the button doesn't get pressed again within 5 sec.
   - Whenever pressing "TEMP" button, setting is repeated in the order of
     "NOR" → "MAX-NOR" → "MAX" → "MIN" → "MIN-NOR" (LED LAMP ON)

B. Temperature of Refrigerator Control

1. COMP and FAN will be controlled by the on/off condition of each mode.1
2. Temperature Difference of Refrigerator each step :

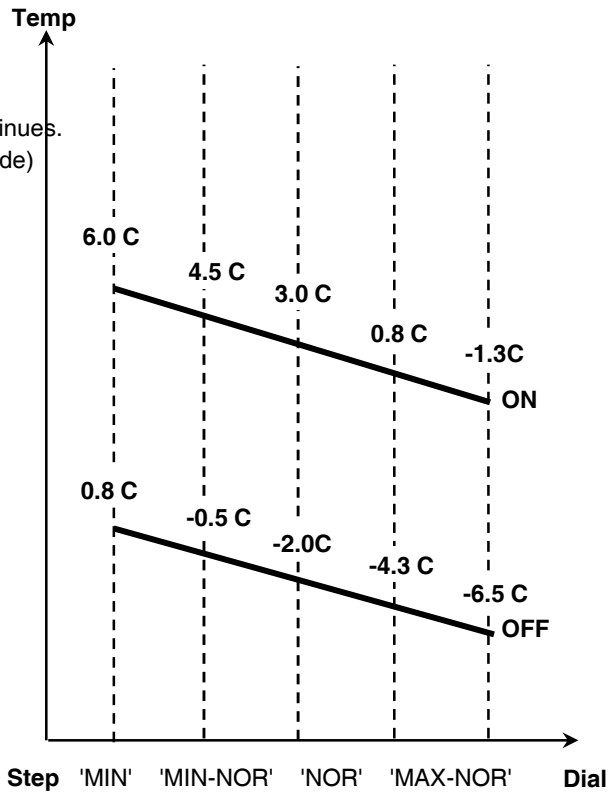
| Temperature Step | "MIN" | "MIN-NOR" | "NOR" | "MAX-NOR" | "MAX" |
|---|---|---|---|---|---|
| Temp. Diff. of Each Step | 1.3C | 1.5C | 2.3C | 2.2C | |

3. Temperature of Refrigerator
   at step "NOR" OFF point: is -1.2C

4. Refrigerator ON/OFF Temp.
   Difference: 3.4C

**C. "S-COOL" MODE**

1. Press S-COOL SWITCH
   and make S-COOL led lamp on.
2. COMP & FAN are on until R-sensor
   reaches to "Over Refrigeration
   OFF Point", -7C
3. After the reach of -7°C , STEP "MAX" mode continues.
4. When "S-COOL" MODE (Quick Refrigeration Mode)
   lasts for about 40 minutes, it returns to general
   operation mode.




**D. Temperature of Freezer Control**

-It will be only controlled by using
**"KNOB F LOUVER"** in Freezer.

| 3. Defrost Mode | |
|---|---|
| INPUT | CONTROL OBJECT |
| Total COMP Work Time / COMP Working Rate<br>Total Door Open Time / RT | Defrost Mode |

## Conditions of Defrost Mode

A. When total operation time of compressor becomes: 6, 8, 10, 12 hours.
- any error mode-R1, D1, F3, C1, RT/S, Door SW error- happens.
- or, running rate of COMP (per 2hrs of total operation time) is more than 80%.
- or, total door open time is over 3 minutes.
- or, ambient temperature (RT) is more than 40C.

B. Even if the above condition “A” is not satisfied,
- Defrost mode starts immediately when total operation time of COMP is 14hrs.
- or, defrost mode starts immediately as long as total time (COMP on time + COMP off time) is 60 hrs.

## Defrost Mode

A. General Defrost Mode
- How to start: By conditions of defrost
- Process :
  General operation-
  “PRE-COOL” - Defrost Heater on- Pause(10 min)-General operation
  ; PRE-COOL: When the defrost heater works, the temp. of freezer increases.
  So the COMP works for 25 min before defrost mode.
- Limited Time of Defrost Heater
  ; 40 minutes: Heater turns off when “D SENSOR” is OPEN or SHORT.
  ; 60 minutes: Heater turns off after maximum 60 minutes.
- Heater Off: When the temperature at “D SENSOR” is over 10C

| | PRE-COOL | Defrost | Pause |
|---|---|---|---|
| **Compressor** | ON | OFF | OFF |
| **Fan** | ON | OFF | OFF |
| **Defrost** | OFF | ON | OFF |

B. Forced(Quick) Defrost Mode
- How to start: push the "S-COOL" button 5 times while opening the refrigerator door.
- Process: same as General Defrost Mode except “PRE-COOL”
  ; Heater is supposed to be on Initial 30 seconds even though the temp. at “D SENSOR” is over 10C. (for TEST)
- How to confirm: Push "TEMP" button 5 times while opening the refrigerator door..
  And then, the mode displays.

- Display : 3rd & "S-COOL" LED is on/off continually

| 3. Defrost Mode | |
|---|---|
| INPUT | CONTROL OBJECT |
| Total COMP Work Time / COMP Working Rate<br>Total Door Open Time / RT | Defrost Mode |

**Initial Defrost**

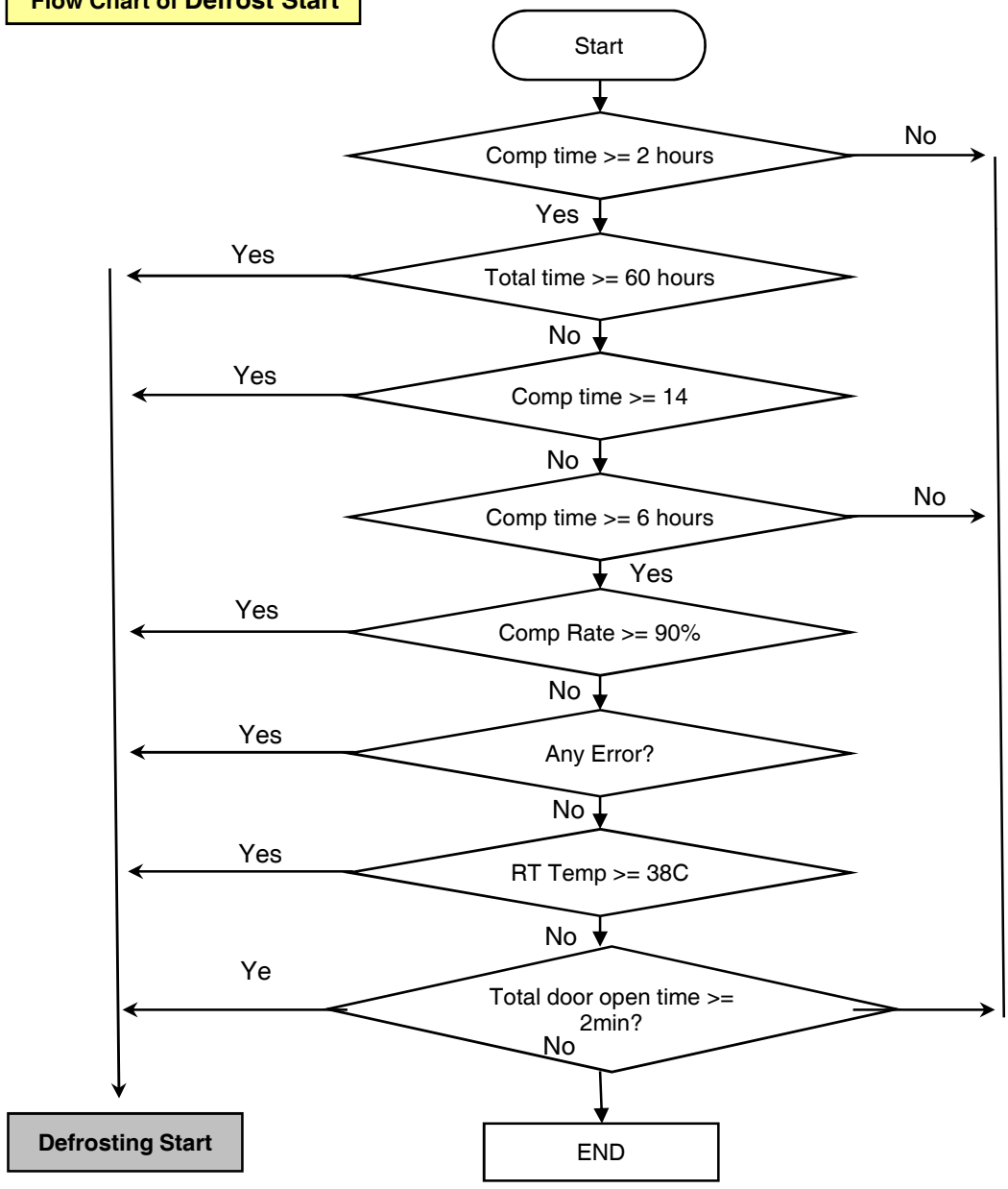
A. When initial power input or returning power failure.

if the temperature at the Defrost Sensor is below 3.5 C, Defrost Mode starts.

( It prceeds from 'PRE-COOL' ), **[ PRE-COOL - Heater On - Pause (10min) - Normal Operation ]**

B. Initial defrost mode starts after 'Prevention of Compressor Restart'. ( Refer to function No. 5 )

**Flow Chart of Defrost Start**



| 4. Prevention of Compressor Restart | |
|---|---|
| INPUT | CONTROL OBJECT |
| | COMP |
| COMP. doesn't work after COMP turns off even though R-sensor is on condition. (This is to protect comp.)<br>A. General operation (Temp. at the RT sensor is over 20C): The COMP can't be on within 6 min.<br>B. Operation of LOW RT (Temp. at the RT sensor is below 19C):<br>The COMP can't be on within 30 min.<br>(But the COMP can be on after 6min when the doors open more than 20 seconds.) | |

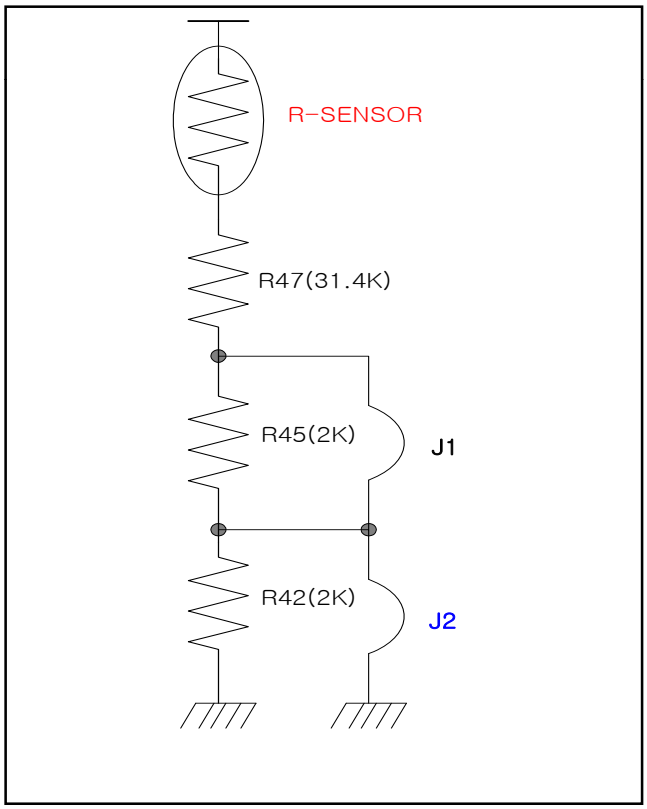
| 5. Buzzer Sound | |
|---|---|
| INPUT | CONTROL OBJECT |
| Control Buttons / Door Switch<br>Initial Power Input | Buzzer |
| A. Whenever "PCB Control Panel" button's pushed, the buzzer rings.<br>B. After 2 minutes power's on, the buzzer rings 3 times.<br>C. Time of Buzzer: Forced Defrost Mode (3 times), Short Circuit Test (1 time)<br>D. When door opens, the buzzer rings every 1 minute for 5 minutes. | |

| 6. Control of R-sensor OFF Point | |
|---|---|
| INPUT | CONTROL OBJECT |
| ”J1” , “J2” On Main PCB | Control Resistance of R sensor OFF Point |

**A. LOW COOLING OPTION ( Weak Cooling )**

- When the refrigeration of refrigerator is poor or weak though Fan and COMP are working continuously, the following actions are recommended for service.
  - Resistance (R47) : Default resistance (31.4Kohms)
  - Resistance (R45) : Cut the “J1” off to reduce basic resistance by 1.5°C. (2Kohms up)
  - Resistance (R42) : Cut the “J2” off additionally to reduce basic resistance by 1.5°C. (total 4Kohms up)

R47 = R-SENSOR OFF point
R47 + R45 = R-SENSOR OFF point - 1.5C
R47 + R45 + R42 = R-SENSOR OFF point - 3C



## 7. Error Display

| INPUT | CONTROL OBJECT |
|---|---|
| PCB Control Panel Buttons / Door | LED Lamp |

- ERROR DISPLAY
  - To check the appliance has error or not, push TEMP button 5 times while opening the refrigerator. door.
  - To stop the Error Display Set, push "TEMP" button 1 times, or wait 4 minutes.

**A. R1 ERROR** (It happens when R-Sensor is OPEN or SHORT)
- DISPLAY : 3rd LED is on & off continually.
- CONTROL :
  ; Controlled by the following condition of RT
  ; When "RT ERROR" happens at the same time, "COMP. ON/OFF Operating Time" is 16min/24min.

(Unit : min)

| RT sensor TEMP | ~13C | ~19C | ~29C | 29C ~ |
|---|---|---|---|---|
| COMP. Operating TIME (ON/OFF) | 6/34 | 10/30 | 16/24 | 20/20 |

- Termination : when R-Sensor is normal.

**B. RT ERROR** (It happens when RT-Sensor is OPEN or SHORT)
- DISPLAY : 2nd LED is on & off continually.
- CONTROL : Delete the conditions of "RT-sensor Control" and operate normally.
- Termination : when R-Sensor is normal.

**C. D1 ERROR** (It happens when D-Sensor is OPEN or SHORT)
- DISPLAY : 1st LED is on & off continually.
- CONTROL : Defrosting is active maximum time (40 min)
- Termination: when D-Sensor is normal.

**D. DR ERROR** (It happens when the system senses door opens more than 1 hour.)
- DISPLAY : 2nd & 3rd LED are on & off continually.
- CONTROL : Deletion of function related door switch sensing
- If door switch (open & close) is sensed, the error is terminated automatically.

**E. C1 ERROR** (When D-Sensor is more than -5C, Comp operates continuosely over 3 hrs)
- DISPLAY : 1st & 3rd LED are on & off continually.
- CONTROL : Normal operation.
- Termination : When Comp is off, D-Sensor is less than -5C.

**F. F3 ERROR** (When defrosting is active for 60 minutes. )
6.1- DISPLAY : 1st & 2nd LED are on/off continually.
6.2- CONTROL : Skip the Pre-cool process.
6.3- Termination: When defrosing ends by the defrost sensor.

**- If the appliance is normal (no error), just 4th and 5th LED is on/off in Error Mode.**

**8. Function Key Summary Table**

| MODE | Action | Button / Remark |
|---|---|---|
| Forced(Quick) Defrost Mode | How to enter the Mode | S-COOL 5 times + Refrigerator door open |
| | How to terminate | After mode end or unplug. |
| | Display | 3rd and S-COOL LED is on. |
| Pull Down Mode | How to enter the Mode | TEMP button 30 times |
| | How to terminate | After mode end or unplug. |
| | Display | 1st and S-COOL LED is on. |
| Error Display | How to enter the Mode | TEMP 5 times + Refrigerator door open |
| | How to terminate | After 4 minutes or unplug. |
| | Display | 4th and 5th LED is ON/Off (When no error ) |

***In Error Mode, you can find the current mode ( What mode is operationg ) and what kinds of Error happen.***

**1. Front PCB ( some parts can vary from the actual appearance. )**

| No | Procedure | No | Procedure |
|---|---|---|---|
| 1 |  <br>*Remove cap cover.* | 3 |  <br>*Pull the FCP FIXTURE UP by using (-)driver.* |
| 2 |  <br>*Separate the F-PCB housing from refrigerator.*<br>*Be careful not to scratch the cabniet surface.* | 4 |  <br>*After separating F-PCB from fixture ,*<br>*change the FCP to new ones* |

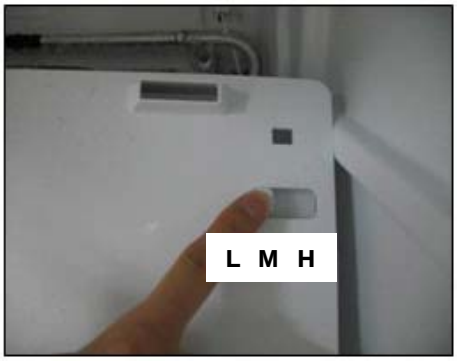
**2. Door Switch**

| No | Procedure | No | Procedure |
|---|---|---|---|
| 1 |  <br>Remove top cover hinge screw with (+) driver. | 3 |  <br>Remove the Door Switch from the cover hinge. |
| 2 |  <br>Separate the Cover hinge by using driver.<br>Be careful not to scratch the cabniet surface. | 4 |  <br>Disconnect door switch connector. |

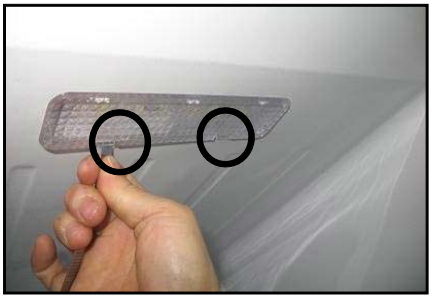
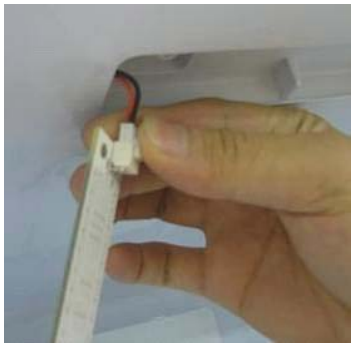
**3. Multi-Duct As ( In Freshfood Compartment )**

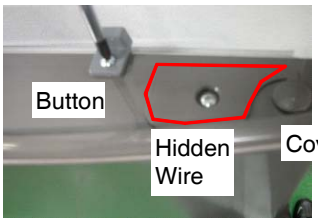
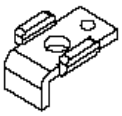
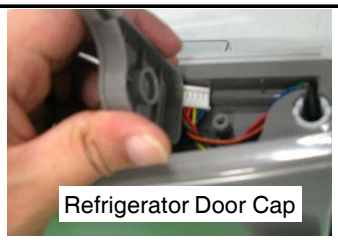
| No | Procedure | No | Procedure |
|---|---|---|---|
| 1 |  <br>Remove screw cap with (-) driver(2 points) | 3 |  <br>Disconnect the Sensor wire housing. |
| 2 |  <br>Unscrew 2 points with (+)driver | | |

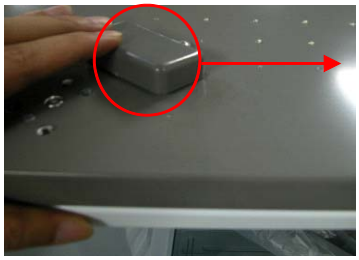
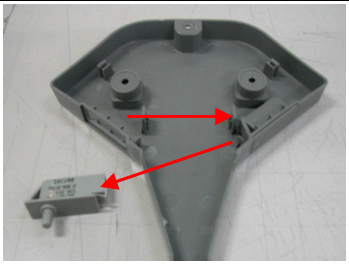
**4. Freezer Louver As**

| No | Procedure | No | Procedure |
|---|---|---|---|
| 1 |  Unscrew the fixing screw to remove the Louver F As | 4 |  Remove 3 screws in order to disassemble Louver F As. |
| 2 |  Remove the Louver F As pulling the top side. | 5 |  When disassembling check the Knob position. |
| 3 |  Disconnect Fan motor wire housing. | 6 |   Default position is 'M' |

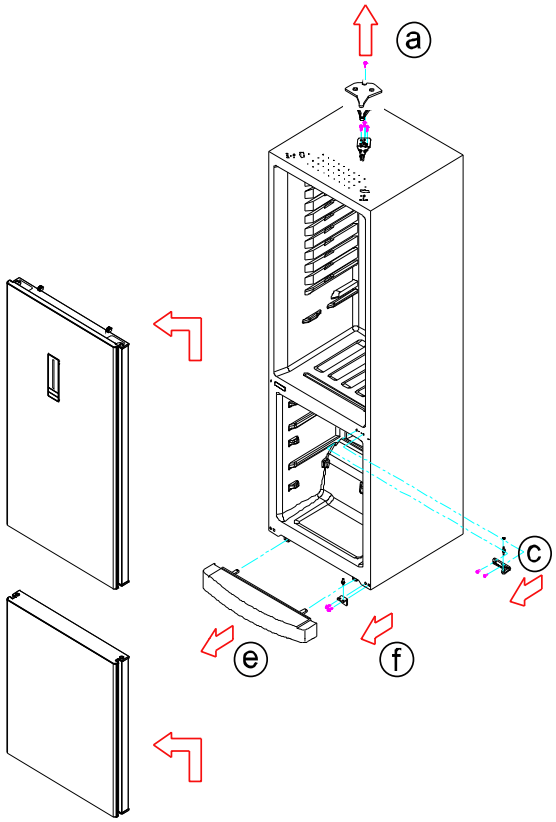
**5. LED Lamp ( In Freshfood Compartment )**

| No | Procedure |
|---|---|
| 1 |  <br>*Using a thin driver, Pull both locker and*<br>*Separate a Window LED from Liner.* |
| 2 |  <br>*Unscrew 2 points with (+) driver* |
| 3 |  <br>*Disconnect LED PCB form  housing.* |

| No | Procedure | No | Procedure |
|---|---|---|---|
| 1 |  <br>Remove top cover hinge screw with (+) driver. | 6 |  <br>After hiding door wire harness, remove the button Door Switch and Cover Bushing. |
| 2 |  <br>Separate the Cover hinge by using driver. | 7 |  <br>After unscrewing the Cover Hinge Harness *T *L, disclose the door wire harness. |
| 3 |  <br>Remove the Door Switch from the cover hinge. | 8 |  <br>Stopper<br>  <br>Reassemble the cover and button door switch.<br>And also assemble the door stopper to opposite side.<br>(Which is located the Door under Cap. ) |
| 4 |  <br>Disconnect all wire connector and hinge. | 9 |  <br>  <br>  <br>Remove the Middle Hinge.<br>Assemble Cover Bushing & Stopper to the opposite. |
| 5 |  <br>Unscrew the Cover Hinge Harness *T *R and hide the door wire harness. | 10 |  <br>a. Change the location (screw & division hinge cap)<br>b. Change the unnder hinge location to the opposite. |

| No | Procedure | No | Procedure |
|---|---|---|---|
| 11 |  <br>Screw the middle hinge to fix the Freezer Door.<br>( Washer should be up. ) | 14 |  <br>Connect the wire harness to door swtich.<br>( Be careful the dircetion. ) |
| 12 |  <br>Also assemble wire cover on the top plate. ( On the right | 15 |  <br>Assemble Door and hing cover. |
| 13 |  <br>Change the plate position and separate door switch. | | |

1-1. Remove the Door As




a. Remove 'Top Cover Hinge' and 'Top Hinge'

b. Separate 'Refrierator Door'.

c. Remove 'Middle Hinge'

d. Separate 'Freezer Door'.

e. Remove 'Cover Bracket'.

f. Remove 'Under Hinge'.

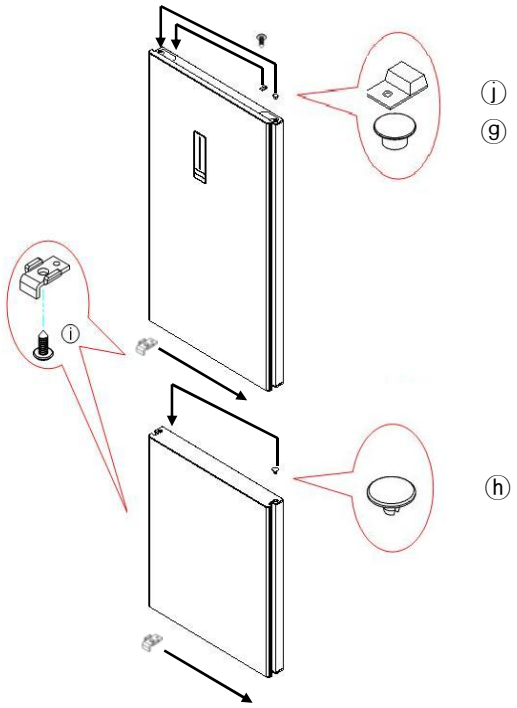
1-2. Reverse the Door Accessories

g. Reverse the position of 'Cover Bushing Refrigeraor Door'
- Unscrew and remove 'Harness Cover'.
- Take out 'Left Door Harness' and assemble 'Harness Cover' on 'Right Door Harness'.

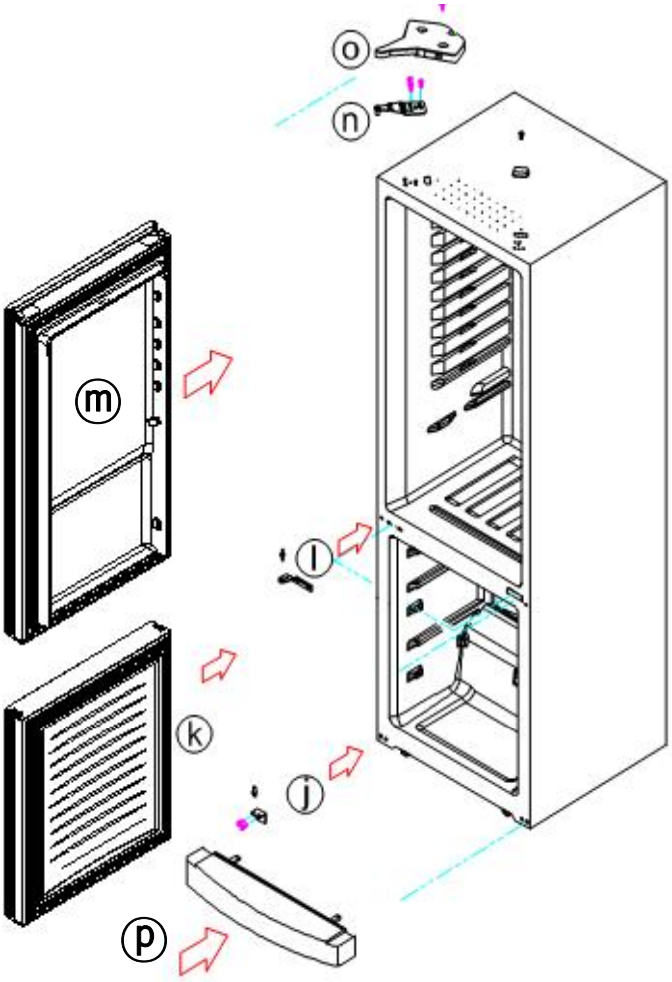
h. Reverse the position of 'Cover Bushing Freezer Door'.

i. Reverse the position of 'Door Stoppers'.

J. Reverse the position of 'Button Switch'.
- Unscrew 'Button Switch'



1-3. Reassemble the Freezer and Refrigerator Door




j. Assemble the 'Under Hinge' on the left.

k. Attach the 'Freezer Door' to Cabniet.

l. Assemble the 'Middle Hinge' on the left.

m. Attach the 'Refrigerator Door' to Cabinet.
( Be careful not to fall down )

n. Assemble 'Top' hinge and connect the FCP wire.

o. Connect the 'Door Switch' wire housing.
Assemble the 'Door Switch' on the other side.

p. Assemble the 'Cover Bracket'.

**1. Safety Warning ( R-600a Refrigerant Models)**


This appliance contains a certain amount of isobutane refrigerant (R600a) a natural gas with high environmental compatibility that is, however, also combustible.

When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.

Refrigerant squirting out of the pipes could ignite or cause an eye injury. If a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which appliance is standing for several minutes.

- In order to avoid the creation of a flammable gas-air mixture if a leak in the refrigerating circuit occurs, the size of the room in which the appiance may be sited depends on the amount of refrigerant used. The room must be 1m3 in size for every 8g of R600a refrigerant inside the appliance. The amount of refrigerant is shown on the identification plate inside the appliance.
- Never start up an appliance showing any sings of damage. If in doubt, consult your dealer.

**2. Tools**

| 1. R-600a ref. Can | 2. Can adapter | 3. Pinch Plier |
|---|---|---|
|  |  |  |
| **4. Ref. discharging hose** | **5. Vacuum pump** | **6. Welder** |
|  |  |  |
| **7. Coupling Pipe** | **8. Leakage Tester** | **9. Electronic-scale** |
|  |  |  |

### 3. Process Summary

**1st Step.**
R-600a ref.
discharging

- Connect the dis-charging hose to the outdoors.
- Time : 7 min.

**2nd Step.**
Removing
the remaning refrigerant

- For removing of remaning refrigerant., connect the discharging hose to the vacuum pump
-Time : 10min

**3th Step.**
Exchanging comp.
& dryer / pipe welding

- Exchange Comp. and Dryer
- Welding the Pipe
- Copper-Copper : 5% rod
- Copper-Steel : 30% rod

**4th Step.**
Welding
coupling pipe

Coupling cap and gas charging cap should be seperated before welding.

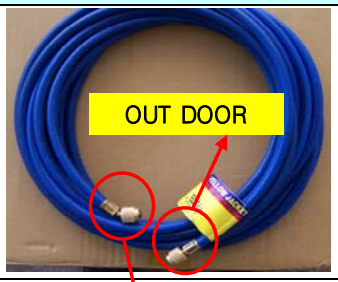
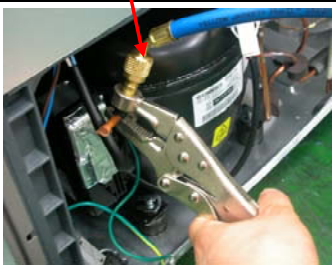
**5th Step.**
Vacuum

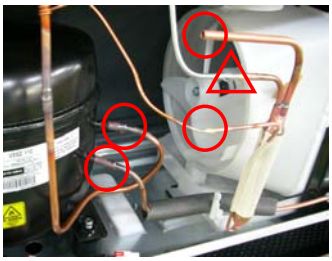
- Check the vacuum with (mani-polder) gauge
- Time : 60~80min

**6th Step.**
Charge R-600a

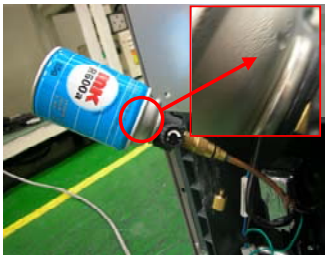
- Charging the ref. on POWER ON
- Time : 10min

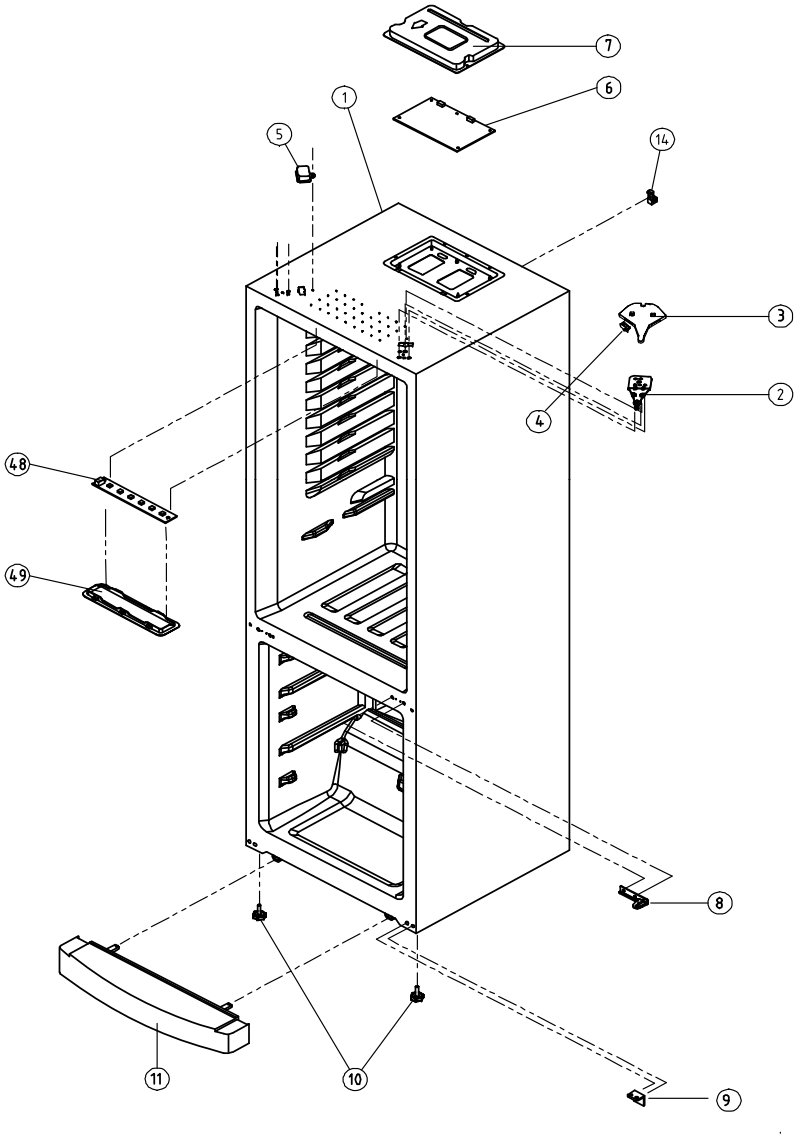
### 4. In Detail Precess

| NO. | SVC process | Image | Details |
|---|---|---|---|
| 1 | Connecting the pinch-plier & discharging hose |  | 1. Connect the discharging hose to the pinch-plier<br>2. The outlet of discharging hose should be placed to the outdoor(window) |
| 2 | Fixing the pinch-plier & charging pipe |  | 1. Fix the pinch-plier to the compressor charging pipe.<br>2. Pinch-plier should not be moving freely.<br>※ If that is moving freely, it would cause fire/explosion as leakage gas in the room. |
| 3 | **Discharging the R-600a ref.** |  | 1. Discharge the R-600a ref. to outdoor.<br>[Befor connecting the vacuum pump]<br>※ It should have enough time more than 7 minutes to discharge. |

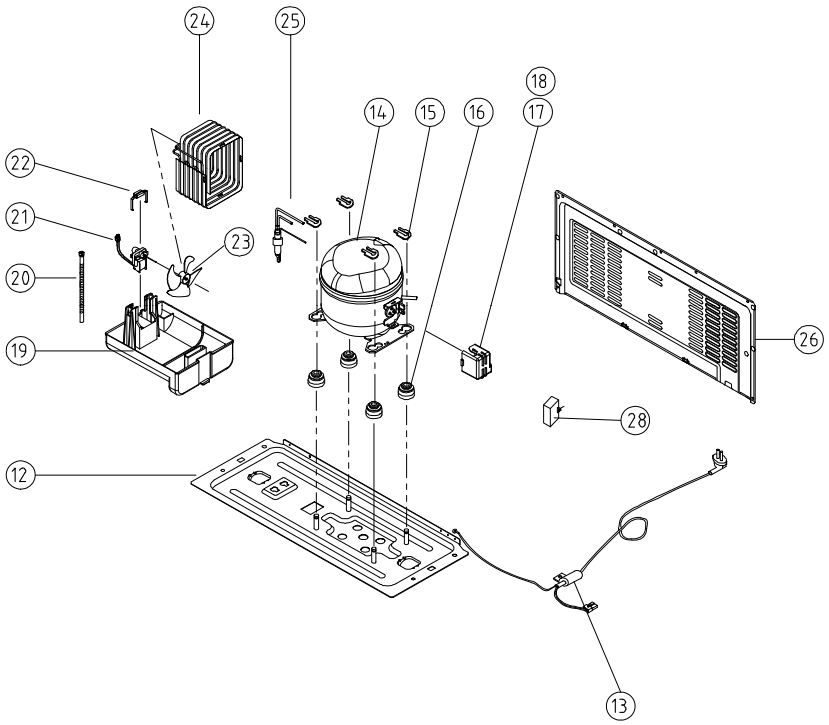
| NO. | SVC process | Image | Details |
|---|---|---|---|
| 4 | Removing the remaining ref. |  | 1. And then, connect the vacuum pump to the outlet of discharging hose<br>※Vacum pump should be placed at the outdoor where is able to clear air easily.<br>※ It should have enough time more than 10 minutes to discharge. |
| 5 | Removing the pinch-plier & pipe |  | 1. Disassembe the each pipe (Del-pipe, Suc-pipe, Capi-pipe, Dryer & Hot-pipe)<br>※ Caution ; A part is easily damaged by flame so that disassemly should be done carefully. |
| 6 | Exchanging comp & dryer |  | 1. Change the comp. & dryer.<br>※ You should check the comp. spec. and assemble correctly. |
| 7 | Welding |  <br>  | 1. Weld the each pipe.<br>※ O Copper-Copper welding - 5% rod<br>△ Copper-Steel welding - 30% rod |
| 8 | Disassembly of charging valve (Coupling pipe) |  | 1. Decap the couplig pipe cap and disassemble the vlave ass'y.<br>※ If you don't disassemble, the coupling rubber would be melted. |

| NO. | SVC process | Image | Details |
|---|---|---|---|
| 9 | Coupling pipe welding |  | 1. Weld after inserting the coupling pipe to the compressor.<br>※ Use the wet cloth for preventing the other part of machinery-room from damage. |
| 10 | Valve reass'y & guage connecting |  | 1. Reassemble the valve ass'y with coupling pipe to clockwise.<br>2. Connect the blue hose of the guage to the coupling pipe and the yellow hose to the vacuum pump.<br>3. Open the blue guage lever and start the vacuum pump |
| 11 | Vacuum |  | 1. Be vacuumed the cycle with pump.<br>※ Time : 60~80min<br>=> If the vacuum time is less than 60min, ref. COP & air coolong would be weak. |
| 12 | Check |  | 1. Check the guage : -76㎝Hg<br>※ If the cycle is not vacuumed, it would be leak. |
| 13 | **Adjusting the amounts of refrigerants (R-600a can)** |  | 1. Check the amounts of R-600a can with scale and discharge the surplus ref.<br>※ Discharging is surely done at the outdoor where is able to clear air.<br>※ Tip of adjusting.<br>- Can total weight :160g(Can 75g+Ref. 85g)<br>- Adapter : 145g<br>=> Total : 305g<br>- The amounts of charging : 79g<br>=> Discharging : 6g => Total : 299g |

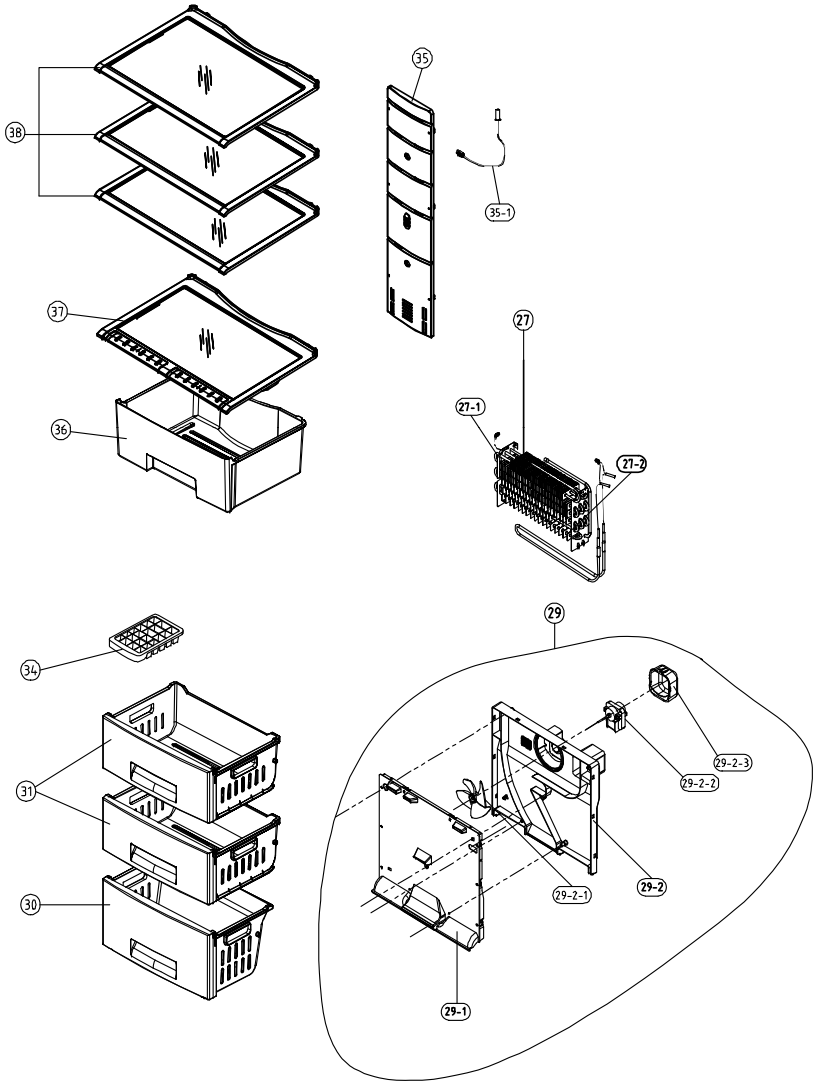
| NO. | SVC process | Image | Details |
|---|---|---|---|
| 14 | Connecting of coupling pipe & adapta |  | 1. Conect can adapter to the coupling pipe.<br>2. Charge the ref. with open lever slowly.<br>※ Refrigerant should never leak in the room. |
| 15 | Charging |  | 1. On the power of refrigerator and then start to charge the ref. (10min)<br>※ Charge the ref. until going out the water vapour condensing on the can outlet. |
| 16 | Leakage Test |  | 1. Check the leakage.<br>※ You must rework from Step.1 when the leakage is detected. |
| 17 | Finish |  | 1. Clean and clear around the machinery room when the service is finished.<br>2. Assemble the machinery room cover. |



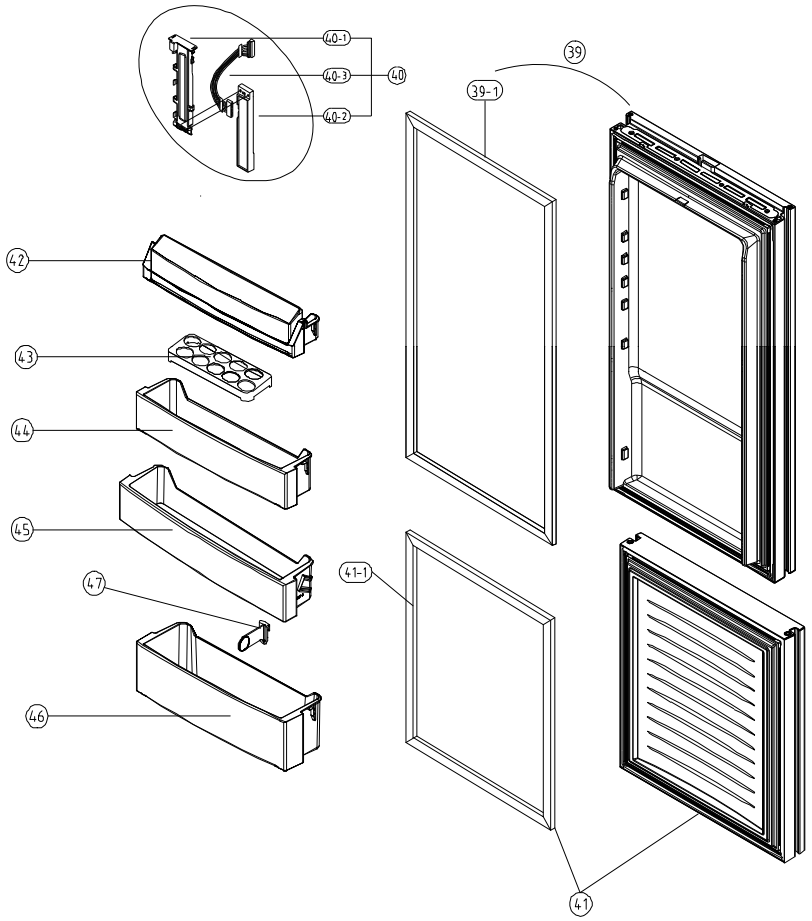

| NO | PART-CODE | PART NAME | SPEC. | Q'ty | | |
|---|---|---|---|---|---|---|
| | | | | T405.. | T425.. | T455.. |
| 1 | - | ASSY CAB URT | BLACK / WHITE | 1 | 1 | 1 |
| 2 | **3012929000** | HINGE *T AS | RFP-340 | 1 | 1 | 1 |
| 3 | **3001427700** | COVER *T AS | PP (WHITE) | 1 | 1 | 1 |
| 4 | **3018125601** | SWITCH H/BAR DR AS | SP101B-2D1 | 1 | 1 | 1 |
| 5 | **3001412200** | COVER CAB HRNS | PP(WHITE) | 1 | 1 | 1 |
| | **3001412220** | | PP(T/SILVER) | | | |
| 6 | **30143HN060** | PCB MAIN AS | V3 COMBI(AC FAN) | 1 | 1 | 1 |
| | **30143HN090** | | V3 COMBI(DC FAN) | 1 | 1 | 1 |
| 7 | **3001416600** | COVER M/PCB BOX AS | SPCC(WHITE) | 1 | 1 | 1 |
| | **3001416630** | | SPCC(BLACK) | | | |
| 8 | **3012928600** | HINGE *M | PO, T3.2 | 1 | 1 | 1 |
| 9 | **3012928800** | HINGE *U | PO, T3.2 | 1 | 1 | 1 |
| 10 | **3012104600** | FOOT ADJ AS | PP+INSERT | 2 | 2 | 2 |
| 11 | **3001442200** | COVER CAB BRKT AS | PP (WHITE) | 1 | 1 | 1 |
| 48 | **30143HJ210** | PCB FRE LED AS | 6-LED FR-4 120X20-1.6T | 1 | 1 | 1 |
| 49 | **3015517200** | WINDOW F LED *T | ABS | 1 | 1 | 1 |




| NO | PART-CODE | PART NAME | SPEC. | Q'ty | | |
|---|---|---|---|---|---|---|
| | | | | T405.. | T425.. | T455.. |
| 12 | **3010349300** | BASE COMP AS | RFP-340 | 1 | 1 | 1 |
| 13 | **OPTION** | CORD POWER AS | RFP-340 | 1 | 1 | 1 |
| 14 | **3956188C50** | COMPRESSOR | LZ88CY (A+,EUROPE) | 1 | 1 | 1 |
| | **3956158K50** | | YX58LHP5 2 | | | |
| | **3956141250** | | MD4A1Q-L1U | | | |
| 15 | **3016002500** | SPECIAL WASHER | SK-5 T0.8 | 4 | 4 | 4 |
| 16 | **3010101480** | ABSORBER COMP AS | SPRING (R-600a) | 4 | 4 | 4 |
| | **3010101600** | ABSORBER COMP | NBR (R-134a) | | | |
| 17 | **3018133020** | SWITCH P RELAY AS | B60-120(LZ88CY) | 1 | 1 | 1 |
| | **3018131810** | | YX58LHP5 | | | |
| | **3018132900** | | MD4A1Q-L1U | | | |
| 18 | **3811402600** | COVER RELAY | LZ88CY (A+,EUROPE) | 1 | 1 | 1 |
| | **381140050** | | YX58LHP5 | | | |
| | **3811400503** | | MD4A1Q-L1U | | | |
| 19 | **3011122800** | CASE VAPORI AS | PP + TAPE ALUMINUM | 1 | 1 | 1 |
| 20 | **3013202700** | HOSE DRN B | PE | 1 | 1 | 1 |
| 21 | **3015918110** | MOTOR C AS | AC 230V/50HZ | 1 | 1 | 1 |
| | **3015906850** | | DC 10V | | | |
| 22 | **3010102100** | ABSORBER C MOTOR | NR FRB -5350NT | 1 | 1 | 1 |
| 23 | **3011802200** | FAN | ABS OD3.17XD110 | 1 | 1 | 1 |
| 24 | **3014469600** | PIPE WICON AS | | 1 | 1 | 1 |
| 25 | **3016808100** | DRYER AS | SBS 12G | 1 | 1 | 1 |
| 26 | **3001414000** | COVER MACH RM AS | RFP-340 | 1 | 1 | 1 |
| 28 | **301640600** | CAPACITOR RUN | 400VAC /4uF(LZ88CY) | 1 | 1 | 1 |
| | **3016405800** | | 350VAC/4uF(YX58LHP5) | | | |
| | **3016406100** | | 400VAC /5uF(MD4A1Q-L1U) | | | |




| NO | PART-CODE | PART NAME | SPEC. | Q'ty | | |
|---|---|---|---|---|---|---|
| | | | | T405.. | T425.. | T455.. |
| 27 | **3017065200** | EVA AS | R-134a | 1 | 1 | 1 |
| | **3017068200** | | R-600a | | | |
| 27-1 | **30127694100** | HARNESS D SENS | R-134a | 1 | 1 | 1 |
| | **3012769400** | | R-600a | | | |
| 27-2 | **3012822000** | HEATER D AS | R-134a (GLASS) | 1 | 1 | 1 |
| | **3012823000** | HEATER SHEATH AS | R-600a | | | |
| 29 | **3018927900** | LOUVER F AS | RFP-341, AC FAN | 1 | 1 | 1 |
| | **3018927950** | LOUVER F AS | RFP-341, DC FAN | 1 | 1 | 1 |
| 29-1 | **3018923700** | LOUVER F A AS | LOUVER F A+SEAL | 1 | 1 | 1 |
| 29-2 | **3018923800** | LOUVER F B AS | | 1 | 1 | 1 |
| 29-2-1 | **3011836000** | FAN AS | FAN+CLAMP | 1 | 1 | 1 |
| 29-2-2 | **3015918210** | MOTOR F AS | AC 230V/50HZ | 1 | 1 | 1 |
| | **3015905350** | | DC 12V | 1 | 1 | 1 |
| 29-2-3 | **3010664700** | BRACKET FAN MOTOR | PP, T2.0 | 1 | 1 | 1 |
| 30 | **3011198000** | CASE F C AS | CASE+WINDOW | 1 | 1 | 1 |
| 31 | **3011197900** | CASE F B AS | CASE+WINDOW | 2 | 2 | 2 |
| 34 | **3010564910** | CASE ICING AS | CRYSTAL | 1 | 1 | 1 |
| 35 | **3001439500** | COVER MULTI DUCT | ABS, RFP-326 | 1 | X | X |
| | **3001439600** | | ABS, RFP-346 | X | 1 | X |
| | **3001439700** | | ABS, RFP-356 | X | X | 1 |
| 35-1 | **3012764600** | HARNESS R SENS | NBC-K43-D21 | 1 | 1 | 1 |
| 36 | **3011197500** | CASE VEGETB | GPPS | 1 | 1 | 1 |
| 37 | **3001438700** | COVER V/CASE AS | COVER+KNOB | 1 | 1 | 1 |
| 38 | **3017851900** | SHELF R INSERT AS | PP | 3 | 3 | 3 |




| NO | PART-CODE | PART NAME | SPEC. | Q'ty | | |
|---|---|---|---|---|---|---|
| | | | | T405.. | T425.. | T455.. |
| 39 | 30100A6210 | ASSY R DR | BLACK | 1 | x | x |
| | 30100A6310 | | | x | 1 | x |
| | 30100A6410 | | | x | x | 1 |
| | 30100A6200 | | WHITE | 1 | x | x |
| | 30100A6300 | | | x | 1 | x |
| | 30100A6400 | | | x | x | 1 |
| 39-1 | 3012327700 | GASKET R DR AS | RFP-326 | 1 | x | x |
| | 3012321200 | | RFP-346 | x | 1 | x |
| | 3012327800 | | RFP-356 | x | x | 1 |
| 40 | 3012037300 | FIXTURE F PCB AS | WHITE | 1 | 1 | 1 |
| | 3012037310 | | BLACK | | | |
| 40-1 | 3012035800 | FIXTURE F PCB | WHITE | 1 | 1 | 1 |
| | 3012035810 | | BLACK | | | |
| 40-2 | 30143HN170 | PCB INTR FRONT AS | RFT-346 | 1 | 1 | 1 |
| 40-3 | 3012779300 | HAARNESS INTR FCP AS | RFT-326,346,356 | 1 | 1 | 1 |
| 41 | 30100A6300 | ASSY F DR | WHITE | 1 | 1 | 1 |
| | 30100A6310 | | BLACK | | | |
| 41-1 | 3012321100 | GASKET F DR AS | RFP-340 | 1 | 1 | 1 |
| 42 | 3019056100 | POCKET DAIRY AS | RFP-341 | 1 | 1 | 1 |
| 43 | 3011190800 | CASE EGG TRAY | GPPS | 1 | 1 | 1 |
| 44 | 3019055900 | POCKET BOTL | GPPS | 1 | 1 | 1 |
| 45 | 3019059700 | POCKET R *M | GPPS | 1 | 1 | 1 |
| 46 | 3019055800 | POCKET JUMBO | GPPS | 1 | 1 | 1 |
| 47 | 3012532100 | GUIDE BOTL POKT | HIPS | 1 | 1 | 1 |