

# Service Manual Refrigerator



Export No. RFS-26D1.. Factory No. RFS-701D..

## 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 )

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## 1. WARNINGS AND PRECAUTIONS FOR SAFETY

Please observe the following safety precautions in order to use safely and correctly the refrigerator and to prevent accident and danger during repair.

- Be care of an electric shock. Disconnect power cord from wall outlet and wait for more than three minutes before replacing PCB parts.
   Shut off the power whenever replacing and repairing electric components.
- 2. When connecting power cord, please wait for more than five minutes after power cord was disconnected from the wall outlet.
- 3. Please check if the power plug is pressed down by the refrigerator against the wall. If the power plug was damaged, it may cause fire or electric shock.
- 4. If the wall outlet is over loaded, it may cause fire.

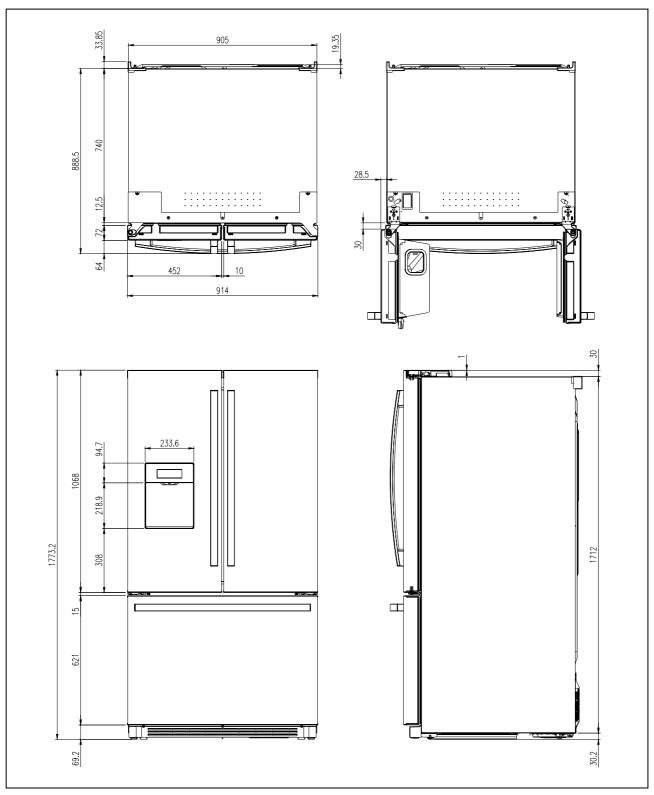
  Please use its own individual electrical outlet for the refrigerator.
- 5. Please make sure the outlet is properly earthed, particularly in wet or damp area.
- 6. Use standard electrical components when replacing them.
- 7. Make sure the hook is correctly engaged.

  Remove dust and foreign materials from the housing and connecting parts.
- 8. Do not fray, damage, machine, heavily bend, pull out or twist the power cord.
- 9. Please check the evidence of moisture intrusion in the electrical components.

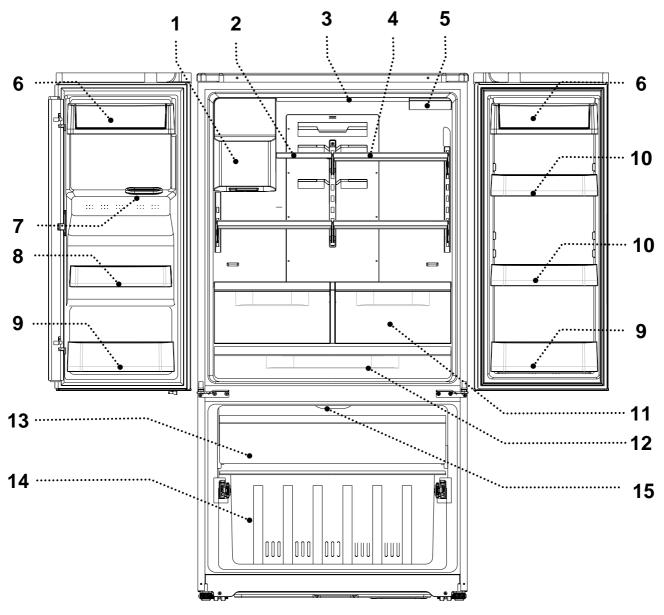
  Replace the parts or mask it with insulation tapes if moisture intrusion was confirmed.
- 10. Do not touch the icemaker with hands or tools to confirm the operation of geared motor.
- 11. Do not let the customers repair, disassemble and reconstruct the refrigerator for themselves.
  - It may cause accident, electric shock, or fire.
- 12. Do not store flammable materials such as ether, benzene, alcohol, chemicals, gas, or medicine in the refrigerator.
- 13. Do not put flower vase, cup, cosmetics, chemicals, etc., or container with full of water on the top of the refrigerator.
- 14. Do not put glass bottles with full of water into the freezer. The contents shall freeze and break the glass bottles.
- 15. When you scrap the refrigerator, please disconnect the door gasket first and scrap it where children are not accessible.

# 2. EXTERNAL VIEWS

## 2-1. External Size

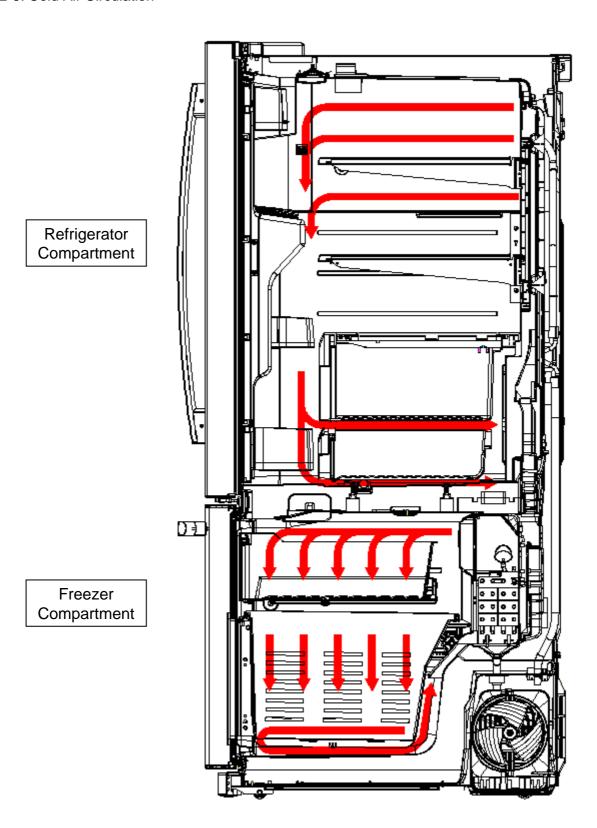


## 2-2. Name of Each Parts



REFRIGERATO	FREEZER COMPARTMENT	
1. ICE CUBES STORAGE CASE	6. POCKET DAIRY	11. CASE VEGETABLE
2. SHELF R SM	7. WATER/ICE DISPENSER	12. CASE WIDE
3. REFRIGERATOR LAMP	8. POCKET SM	13. CASE F
4. SHELF R	9. POCKET GALLON	14. CASE F DRAW
5. WATER FILTER	10. POCKET UTILITY	15. FREEZER LAMP

## 2-3. Cold Air Circulation



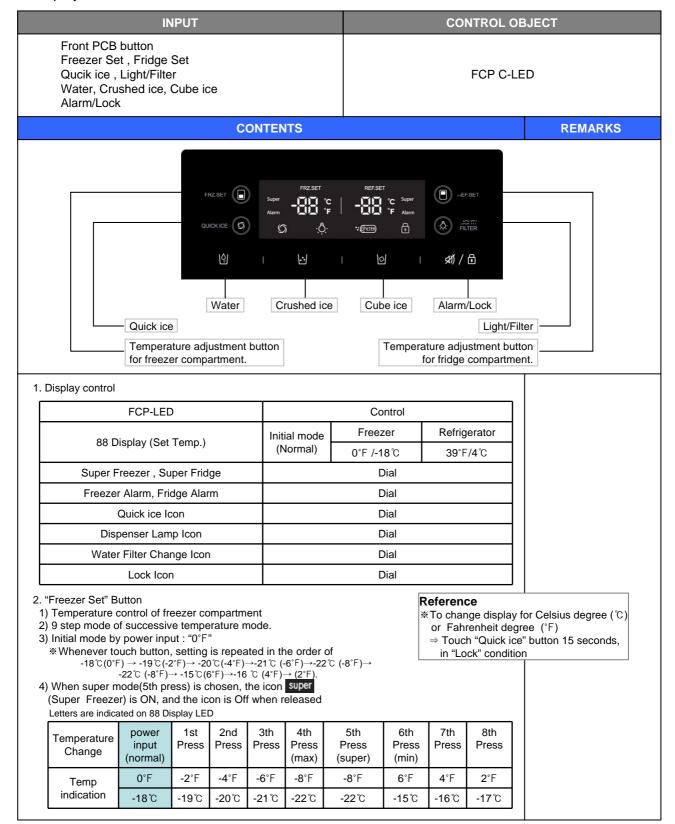
# 3. SPECIFICATION

		Item	Specification		
	Buyer NO.		RFS-26D1		
	Factory NO.		RFS-701D		
	Total		737.4Li (26.04 ft³)		
Vol	oss ume _i)	Freezer	216.7 Li (7.65 ft³)		
(-	,	Refrigerator	520.7Li (18.39ft³)		
	External Dimension (Width * Depth * Height)		914mm * 858.4mm *1773.2mm(w/o Handle)		
	Weight		145kg		
		Refrigerant R-134a			
	Quantity		190g		
С		Evaporator	Fin Type		
0		Condenser Fan Cooling System			
I N		Dryer	Molecular Sieve XH-9		
G		Capillary Tube	ID0.7 * T0.55 * L2200		

	Item	Specification				
	Model Name	RFS-26D1T				
	Defrost	PBN-43B				
S E	Freezer	PT-38				
N S	Refrigerator	PBN-43B				
O R	Ice Maker	PT-38				
	RT	PBN-43B				
	Sheath F AS	200W				
	Sheath R AS	200W				
	R Motor AS(In URT)	10W				
Н	R Motor AS(Behind EVA)	7W				
E A	R Return Duct AS	7W				
T E	W/Tank AS	4W				
R	Hose AS	5W				
	DV AS	8W				
	Dispn AS	3W				
	I/Flap AS	2W				
E L	Fuse Temp (Defrost)	AC250V , 10A , 77℃				
E	Freezer-Fan Motor	D4612AAA29 / DC13V / 1850±150 rpm				
T R	Refrigerator-Fan Motor	100R IMPELLER / DC13V / 2000±200 rpm				
C	Condenser-Fan Motor	D4612AAA28 / DC13V / 1100±150 rpm				
A	Freezer-Lamp	6-LED				
P	Refrigerator-Lamp	24-LED				
A R	Dispenser-Lamp	4-LED				
T S	Door Switch(Freezer / Refrigerator)	SP201R-7DR/SP101B-201(G)				

#### 4. OPERATION AND FUNCTIONS

#### 4-1. Display



#### **CONTENTS REMARKS** 3. "Fridge Set" button. 1) Temperature control of Fridge compartment 2) 8 step mode of successive temperature mode. 3) Initial mode by power input: "39°F" \*Whenever Touch button, setting is repeated in the order of 4°C(39°F) $\rightarrow$ 3°C (37°F) $\rightarrow$ 2°C (35°F) $\rightarrow$ 2°C (35°F) $\rightarrow$ 8°C (47°F) $\rightarrow$ 7°C (45°F) $\rightarrow$ 6°C (43°F) $\rightarrow$ .5°C(41°F) 4) When super mode(3th press) is chosen, the icon Super (Super Fridge) is ON, and the icon is off when released. Letters are indicated on 88 Display LED 2nd 3th 4th 5th 6th 7th power 1st Temperature Press input Press Press Press Press Press Press Change (normal) (max) (super) (min) 39°F **47**°F 41°F 37°F 35°F 35°F 45°F 43°F Temp indication 4℃ 3℃ 2℃ 2℃ 8℃ 7℃ 6℃ 5℃ 4. "Quick ice" button 1) When Quick ice mode is chosen, the icon (Quick ice) is ON Reference: Please wait for 2-3 seconds in order 2) When Pushing the button again, the icon is OFF to take final ice or drops of water when taking out 5. "Light/Filter" button cup from the pressing 1) Controls Dispenser LED Lamp switches after taking ice ① When "Light/Filter" is touched, the icon ② is ON. and Dispenser LED Lamp Lights ② If "Light/Filter" is touched while the icon ③ is ON, the icon is OFF and Dispenser or water. LED Lamp lights out 2) Filter reset if "Light/Filter" is touched and hold for 3 sec. 1) From 6 months after power on, filter icon flickers until the filter is reset. 6. "Water" button 1) When "Water" is touched, Water is supplied 7. "Crushed ice" button 1) When "Crushed ice" is touched, Crushed ice is supplied 8. "Cube ice" button 1) When "Cube ice" is touched, Cubed ice is supplied

CONTENTS	REMARKS
9. "Alarm/Lock" button  1) When the alarm sounds, touch "Alarm/Lock" will stop alarming sounds.  2) This button stops operation of different button  ① If you touch "Alarm/Lock" button for 2sec, "Alarm/Lock" icon  is on.  ② Press this button to lock out this case and to keep temperature and function setting.  3) Touch "Alarm/Lock" button again for 2 sec to stop it.  10. Switching temperature display  1) If you touch "Quick ice" icon on the button panel hold for 15 sec on the lock status. temperature in the display switches between "F↔"  2) Temperature is reset to "F when the power off and on.  11. power save function.  All icons in the display lights off when neither button input, nor door open last for 60 sec.	Reference: Please wait for 2-3 seconds in order to take final ice or drops of water when taking out cup from the touch switches after taking ice or water.
<ul> <li>The actual inner temperature varies depending on the food status, as the indicated setting temperature is a target temperature, not actual temperature within refrigerator.</li> <li>Refrigeration function is weak in the initial time.</li> </ul>	

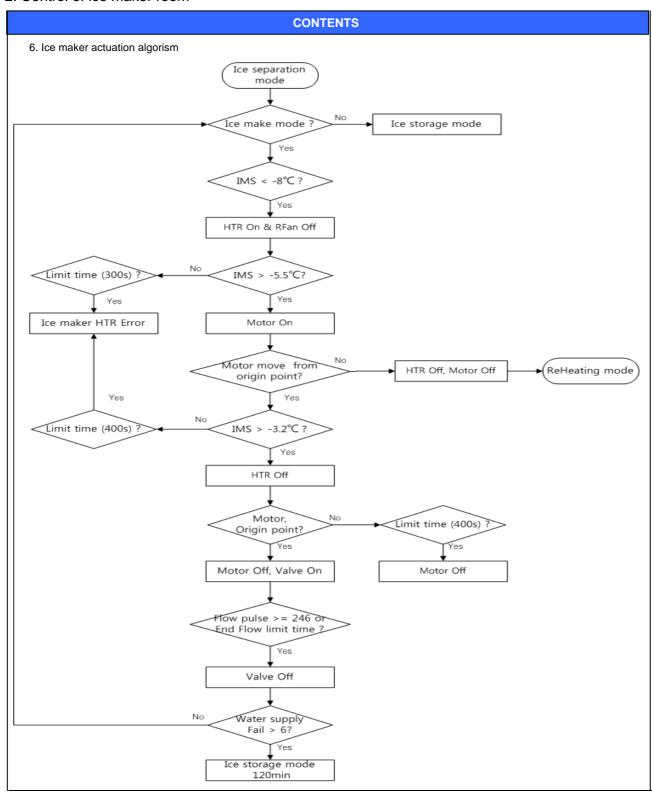
# 4. OPERATION AND FUNCTIONS

## 4-2. Control of ice maker room

		INPUT		CONTROL OBJECT				
!	I DUCT/ F/ R Flow Sensor Freezer Set Compressor	Sensor			R-ice Fan			
			CONTENT	rs				REMARKS
1. lce	e Room Senso	or on/off Setting	y Value of Ice make	r room				
	Ice make mode					Pre	cool	
	Ice storage mode	RT<59°F (15℃)	59°F(15°C) < RT		℃)	RT<59°F (15℃)	59°F (15℃) < RT	
ON	16°F(-9°C)	5°F(-15°C)	0°F(-18℃)	1°F(-17	℃)	12°F(-11°C)	16°F(-9°C)	
OFF	12°F(-11°C)	-2°F(-19°C)	-8°F(-22°C)	-6°F(-21	°C) 5°F(-15°C) 9°F(-13°C)			
3. lca 4. R-	water supple Make mode lice Fan are Cl	ly failure to Ice : Enter it 120 m ose of Deforst	ninutes during Ice st	orage mod	e late			

## 4. OPERATION AND FUNCTIONS

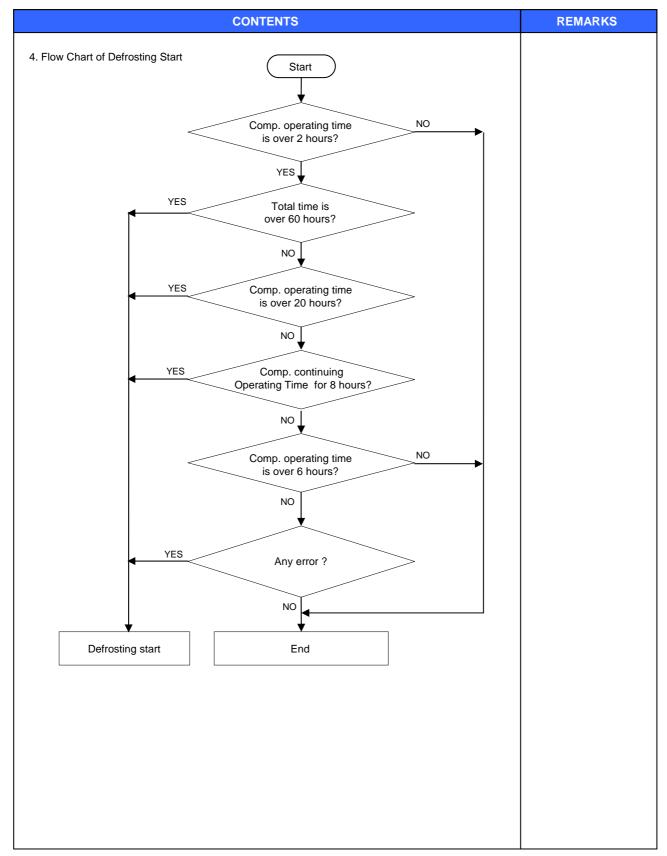
#### 4-2. Control of ice maker room



## 4-3. Defrost Mode

INPUT	CONTROL OBJECT
1. Defrosting Cycle	1. Comp 2. F/R-ICE/C Fan 3. FD/RD Heater

	CONTENTS	REMARKS
1. Defrost Mode  Heater Defrosting	Heater Defrosting 1) Comp, F/R-ICE/C Fan : OFF R Damper : CLOSE FD/RD Heater : ON	
	<ul> <li>2) Time limit 30 seconds: Heater is ON regardless of D-sensor temperature right after defrosting start 30 minutes: in case of FD/rD Error 50 minutes: in normal control state</li> <li>3) If FD-sensor ≥55.4°F, F Heater Defrosting is OFF If RD-sensor ≥ 55.4°F, R Heater Defrosting is OFF</li> </ul>	
Pause	Pause Time: 7 minutes Comp, F/R-ICE/C fan, Damper, Heater etc.: OFF	
Fan-Delay	Fan-Delay  1) Time: 5 minutes  Comp C Fan: ON  F/R-ICE fan, Damper, Heater: OFF	
<ol> <li>Any error mode : R1</li> <li>Defrosting mode starts</li> </ol>	with the following conditions  f comp. becomes: 6,8,10, hours.  I, F1, u1, FD, rD, F3, r3, RT/S, Door-switch etc.)  s unconditionally as long as total comp. work time is bove conditions 1) are not satisfied.	
3) Defrosting mode starts	s unconditionally as long as comp. continuing work time is ove conditions 1) and 2) are not satisfied.	
4) Defrosting mode starts	s immediately as long as total time of [comp. ON + hours, even if the above 1) and 2) and 3) conditions are not	



## 4-4. Forced Defrosting Mode

	INPUT	CONTROL OBJECT				
	1. Defrosting Cycle	1. Comp 2. F/R-ICE/C Fan 3. FD/RD Heater				
	REMARKS					
. A/S Defrosting Mode	(Heater defrost → Pause → Fan Delay)					
Heater Defrosting Pause	Heater Defrosting  1) Comp, F/R-ICE/C Fan : OFF R Damper : CLOSE FD/RD-Heater : ON  2) Time limit 30 seconds : Heater is ON retemperature righ 30 minutes : in case of FD/rD 50 minutes : in normal control 3) If FD-sensor ≥55.4°F, F Heater If RD-sensor ≥ 55.4°F, R Heater  Pause Time : 7 minutes Comp, F/R-ICE/C Fan, Dampe	gardless of FD/RD-sensor t after defrosting start I-Error I state ater Defrosting is OFF eater Defrosting is OFF				
button simultaneous How to proceed 1) same as normal def	rosting less of FD/RD-sensor temp. at first 30 se	g "Freezer Set"				

## 4-5. Fan Voltage of Control Mode

	INPUT		CONTROL OBJECT			
	-Sensor -Sensor		1. F FAN, R-ICE FAN, C FAN			
	СО	NTENTS		REMARKS		
Fan voltage of cont	rol mode					
FAN	Freezer	R ICE	Condenser			

## 4-6. DV Heater, Water Tank Heater, Dispenser Heater and Flap Heater Control

	INPU	Т		CONTROL OB					ОΒ	JECT
1. Comp  2. R-Sensor, RT-Sensor							leater eater			
			CONTE	NTS						REMARKS
1. They are linked wi	th comp by F	ridge set								
Fridge se	t	35°F	37°F	39°F	41°F	43°F	45°F	47°F		
DV Heater		20/20	19/21	18/22	17/23	13/27	10/30	8/32		
Water Tank Heater	Working Rate	17/23	16/24	14/26	12/28	9/31	5/35	0/40		
Dispenser Heater Flap Heater	(on/off)	25(20) /15(20)								
Ex) 25(20)/15(20): Dispenser Heater Conspenser Heater Conspenser Heater Conspenser Tank Heaten Conspense	On/Off Time i r is On when	s 20min/2 RT-S is l	Omin whe	en ice mal 59°F	ker room t	emp is hi				

## 4-7. Water PIPE Heater Control

INPUT	CONTROL OBJECT	
1. RT-Sensor	Water PIPE Heater	
CONTENTS		REMARKS
1. It is linked with comp when RT-S is less than 59 °F		
2. It is On of HTR Defrosting Mode		
3. It is On of Quick ice Mode		

#### 4-8. Buzzer or Alarm Control

INPUT	CONTROL OB	SJECT
<ol> <li>Control Front-PCB buttons</li> <li>Door Switch</li> <li>Initial Power Input</li> </ol>	Buzzer	
CONTENTS		REMARKS
<ol> <li>Buzzer sounds if any button of Front-PCB is pushed.</li> <li>Buzzer sounds 3 seconds after initial power input.</li> <li>Buzzer sounds in case of A/S Forced Defrosting and Short (pull down)         Operation or explanation mode.</li> <li>If door is open, buzzer sounds after every 1 minutes for 5 minutes (Door open alarm)</li> </ol>		

## 4-9. Control of Interior Lights

INPUT	CONTROL OBJECT
<ol> <li>Refrigerator door switch</li> <li>Freezer door switch</li> <li>Water, Crushed ice, Cube ice switch</li> </ol>	Lamp
CONTENTS	REMARKS
Control Refrigerator Compartment Lights.     R-Lights turn ON/OFF by R-door switch ON/OFF	
(※ For 20 minutes after sensing door open, the lights turn of through door close is not sensed.)	off automatically
Control of Freezer Compartment Lights.     F-Light turn ON/OFF by F-door switch ON/OFF	
(※ For 20 minutes after sensing door open, the lights turn o through door close is not sensed.)	ff automatically
Dispenser lamp control     Dispenser lamp turns ON/OFF by Water, Crushed ice, Cul     Dispenser lamp turns ON for 5 seconds after sensing swite	

#### 4-10. Demonstration

INPUT	CONTROL OB	JECT
1. "Fridge Set , Light/Filter" button	Comp F/R-ice Fan FD/RD Heater	
CONTENTS	REMARKS	
<ol> <li>Start         Under "Lock" mode, Push "Light/Filter" button 5 times while tou simultaneously.</li> <li>Control         <ol> <li>All other electrical components are OFF except for Dispensor</li> <li>Fan Control</li></ol></li></ol>	·LED	

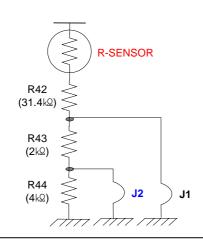
#### 4-11. Compensation of R-sensor ON/OFF Temp.

INPUT	CONTROL OBJECT
Main PCB	Resistance of R-sensor ON/OFF Temp. of Refrigerator

CONTENTS REMARKS

Compensation of R-sensor ON/OFF temp. (down)

In case temperature of refrigerator compartment is weak or insufficient, take the following action.



R42:R-SENSOR standard resistance in normal mode (31.4k $\!\Omega\!)$  In case of weak ref.

- 1) Cut J1 to increase the standard resistance by  $2k\Omega \Rightarrow 3^{\circ}F$  down
- 2) Cut J1 & J2 to increase the standard resistance by  $4k\Omega \Rightarrow 6$ °F down

J1	1	cut	-	cut
J2	1	-	cut	cut
Temperature compensation	0°F	-3°F	0°F	-6°F
Resistance	R42	R42+R43	R42	R42+R43+R44
Resistance	31.4kΩ	(31.4+2)kΩ	31.4kΩ	(31.4+2+ <mark>4</mark> )kΩ

#### 4-12. Control flow & Time chart.

INPUT	CONTROL C	BJECT	
Water/Crushed ice/Cube ice	Dispenser Lamp Dispenser S/V Valve Gear Motor Cube S/V Water(Dis) S/V		
CONTENTS		REMARKS	
Control flow & time chart     Crushed Ice			
Crushed ice SW —			
D.P Lamp	C		
D.P S/V (Flap)			
Gear Motor			
② Cube Ice			
Cube ice SW			
D.P Lamp	D		
Cube S/V	B		
D.P S/V (Flap)	C		
Gear Motor			
③ Water			
Water SW	D D		
D.P Lamp			
Water(DIS) S/V	<b></b>		
Delay time : A = 0.5sec , B =0. 5sec , C = 2.0sec , D =	= 5.0sec , E=0.3sec, F=0sec		

#### 4-13. Error Display

INPUT	CONTROL OBJECT	
Temperature Control Buttons	88 Display CLED	

IINF O I	CONTROL OF	SEC I
Temperature Control Buttons	88 Display CLED	
CONTENTS		REMARKS
1. How to start  1) Under "Lock" mode, press "Quick ice" button 5 times while touch "Freezer Set" and "Fridge Set" button at the same time.  2) The front C-LED displays as the right diagram shows ( [Ex.] Time Display of 0003 signifies 3 minutes of power on time.)  3) Press "Freezer Set" button and the following value is displayed successively.		

- 1 Operating Time
- ② F-Sensor temperature
- ③ R-Sensor temperature
- 4 FD-Sensor temperature
- ⑤ RD-Sensor temperature
- 6 IM-Sensor temperature
- ⑦ IR-Sensor temperature
- 8 RT-Sensor temperature
- 9 Filter remaining time until change (First check; 4,320Hr) Refer to Filter Information Reset of C-LED of front control panel.
- 4) Error is displayed only if there is any; it is skipped if no error.
- 2. How to stop
- 1) Touch "Lock" button 1 time.
- 2) It stops automatically in 4 minutes from the start.
- 3. All the error codes are reset if they turn to be normal.
- 4. Error code

ERROR CODE	CONTENTS
F1	F-sensor : disconnection ("Lo"), short ("Hi")
r1	R-sensor : disconnection ("Lo"), short ("Hi")
i5	IM-sensor : disconnection ("Lo"), short ("Hi")
FD	FD-sensor : disconnection ("Lo"), short ("Hi")
rD	RD-sensor : disconnection ("Lo"), short ("Hi")
iD	IR-sensor : disconnection ("Lo"), short ("Hi")
rt	RT-sensor : disconnection ("Lo"), short ("Hi")
dr	R-Door Switch : defective
dF	F-Door Switch : defective
C1	Cycle : abnormal or defective
F3	Return after defrosting : abnormal or defective(FD-S)
r3	Return after defrosting : abnormal or defective(RD-S)
ES	"Water", "Crushed ice", "Cube ice" : error
D2	Display forced defrost mode for A/S

1) "F1" error Cause: F-sensor disconnection or short Check point: Measure the resistance between both terminals after separating CN14 of the Main PCB.  If F-sensor is disconnected or shorted, change the F-sensor in the freezer compartment. How to reset: If F-sensor is normal, the error is terminal temperature.  2) "R1" error Cause: R-sensor disconnection or short Check point: Measure the resistance between both terminals after separating CN15 of the Main PCB.  If R-sensor is disconnected or shorted, change the F-sensor in the fridge compartment. How to reset: If R-sensor is normal, the error is terminal temperature.  3) "i5" error Cause: IM-sensor disconnection or short Check point: Measure the resistance between both terminals after separating CN19 of the Main PCB.  If IM-sensor is disconnected or shorted, change the IM-sensor in the fridge compartment. How to reset: If IM-sensor is normal, the error is terminal temperature.  4) "FD" error Cause: FD-sensor disconnection or short Check point: Measure the resistance between both terminals after separating CN15 of the Main PCB.  If FD-sensor is disconnected or shorted, change the FD-sensor on the evaporator. How to reset: If FD-sensor is normal, the error is terminated automatically.	
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How to reset : If FD-sensor is normal, the error is terminated automatically.	
7/4/20	
5) "rD" error	
Cause: RD-sensor disconnection or short	
Check point: Measure the resistance between both terminals after separating CN15 of the Main PCB.	
If RD-sensor is disconnected or shorted , change the RD-sensor on the evaporator.	
How to reset : If RD-sensor is normal, the error is terminated automatically.	
6) "iD" error	
Cause: IR-sensor disconnection or short Check point: Measure the resistance between both terminals after separating CN15	
of the Main PCB.	
If IR-sensor is disconnected or shorted, change the IR-sensor on the evaporator.	
How to reset : If IR-sensor is normal, the error is terminated automatically.	
7) "rt" error	
Cause: RT-sensor disconnection or short  Check point: Measure the resistance between both terminals after separating CN15  of the Main PCB.	
If RT-sensor is disconnected or shorted, change the RT-sensor on the xxxxx.  How to reset: If RT-sensor is normal, the error is terminated automatically.	

CONTENTS	REMARKS
8) "C1" error	
Cause : in case comp. works for over 3 hours when FD-S or RD-S temp. is over 23 °F	
Check point : Refrigerant leakage.	
9) Door error ("dF" "dR" on display)	
Cause: in case it senses that door is open for more than 1 hour.	
Check point: F/R door is opened or not.	
10) "F3" error	
Cause: in case defrosting return is done by time limit of 50 min  Check point: Measure the resistance between both terminals of the Freezer defrost heater.  (Assembled with evaporator)	
11) "r3" error	
Cause : in case defrosting return is done by time limit of 50 min	
Cause : In case defrosting feturins done by time limit of 30 min  Check point : Measure the resistance between both terminals of the Fridge defrost heater.  (Assembled with evaporator)	
12) "ES" error (Water/Crushed ice/Cube ice) error)	
Cause: When they sense 1min continuously	
Check the buttons("Water/Crushed ice/Cube ice") of the FCP.	
13) "d2" mode (A/S forced defrosting mode)	
Push "Fridge Set" button 5 times while pushing "Freezer Set" button	
simultaneously.	
Control: A/S forced defrosting control	
If FD-sensor or RD-sensor temp is over 55°F, the mode is terminated automatically.	
* When all ERROR CODE is normal, the Refrigerator reset	
5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	

## 4-14. Summary of Function

IN	IPUT	CONTROL	OBJECT	
Each	button			
	CONTENTS		REMARKS	
All the modes are started      Element A/S Function	'Lock" mode (except "Water Filter Ro	eset" mode)		
Temp Display change	"Quick ice" butto	n for 15 seconds		
Forced Defrosting	"Freezer Set" + "F	ridge Set" 5 times		
Reset water filter	"Light/Filter" for 3 seconds			
Demo function	"Quick ice" + "Fridge Se	7		
Pull Down	Pull Down "Freezer Set" + "Fridge Set" + "Light/Filter" 5 times			
Error display	Error display "Freezer Set" + "Fridge Set" + "Quick ice" 5 times		]	
EEPROM clear	"Quick ice" + "Light/Filter" + "Fridge" 5 times		]	
Compensation of F/R- Compartment temperature				

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## 4-15. Filter information & Function to adjust the amount of water

INPUT	CONTROL OF	BJECT
Temperature Control Buttons	88 Display CLED	
CONTENTS		REMARKS
Filter information  1. Filter Exchange Information: Record a real-time from the point - The filter is normal for 6 months after the first installation.  - When the time comes to change or reset, press the Light/Filter for 3 seconds.  2. Function of display of filter change time [step1] Press the Alarm/Lock button for 2sec. [step2] Press Quick ice button 5 times while pressing "Freezer [step3] Press Freezer Set button 8 times successively. [step4] Remaining time is display (ex. 40: 12 means that 4012 minutes remains until the filter e [step5] Reset: Push Lock button or it is automatically reset after the filter is a successively.	er button  r Set" and "Fridge Set" button.	

#### 4-16. Compensation of F/R-Compartment temperature.

INPUT	CONTROL OBJECT
Front PCB button Freezer Set , Refrigerator Set Super Freeze , Super Cool Dispenser , Lock	ON/OFF Temp. of Freezer & Refrigerator Compartment

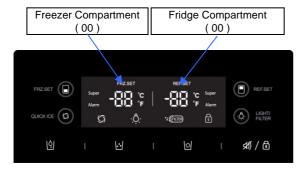
**REMARKS** 

#### 1. How to start

1) Freezer Compartment: Under "Lock" mode, press "Light/Filter" button 5 times while pressing "Quick ice" button at the same time.

**CONTENTS** 

- 2) Fridge Compartment: Under "Lock" mode, press "Light/Filter" button 5 times while pressing "Quick ice" button at the same time.
- 3) Initial setting



#### 2. In case change of "Freezer Compartment" ON/OFF temperature

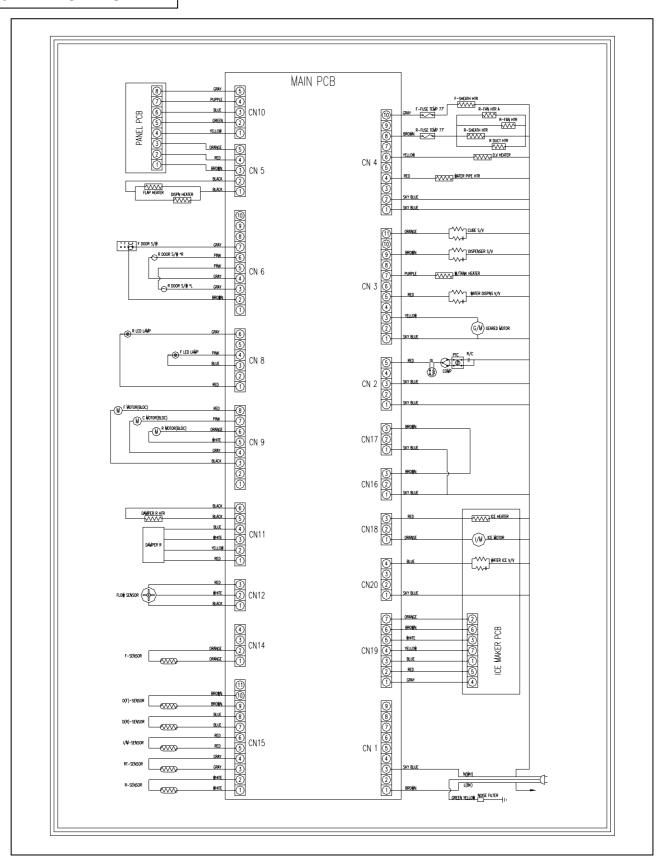
ON/OFF temp.	up(+)	down(-)		
button	Freezer Set	Quick ice		
Range of setting Value	"00" ~ "+30"	"00" ~ "-30"		
Range of Temp. Change	0 ~ +3.9 °F	0 ~ -3.9 °F		
"Temp. Change" = "Setting Value" × "0.13°F"				

#### 3. In case change of "Fridge Compartment" ON/OFF temperature

ON/OFF temp.	up(+)	down(-)		
button	Fridge Set	Light/Filter		
Range of setting Value	"00" ~ "+30"	"00" ~ "-30"		
Range of Temp. Change	0 ~ +5.4 °F	0 ~ -5.4 °F		
"Temp. Change" = "Setting Value" × "0.18°F"				

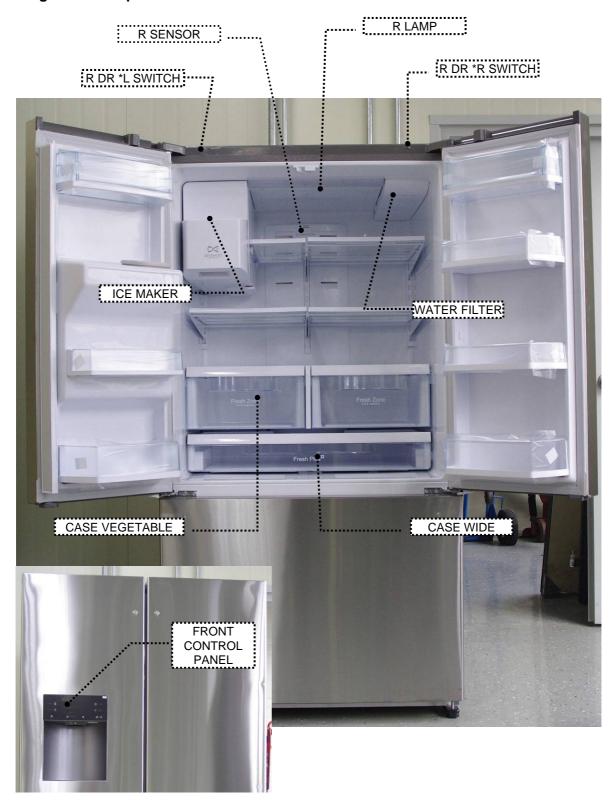
- ※ If 10 days passes from initial power on,
  - the "setting value" is memorized in the EEPROM automatically.
- \* In order to clear this "setting value",
  - it is needs "EEPROM clear" ("Quick ice" + "Light/Filter" + "Fridge" 5 times)

## 5. WIRING DIAGRAM



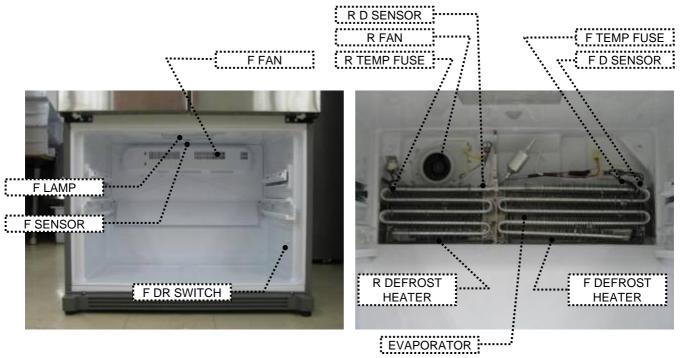
## **6. COMPONENT LOCATE VIEW**

## 6-1. Refrigerator Compartment

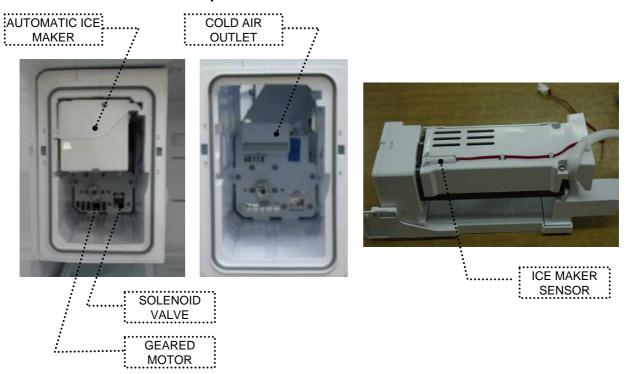


## 6-2. Freezer Compartment

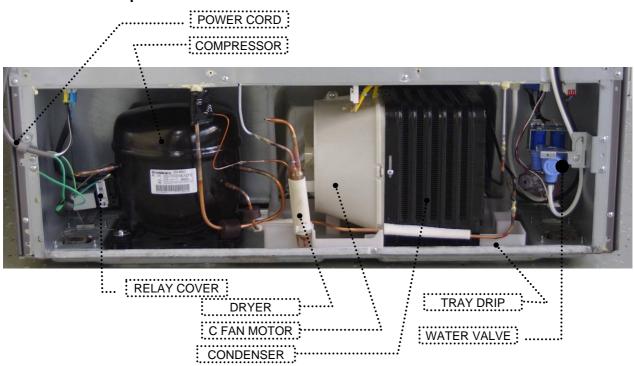




## 6-3. Automatic Ice Maker Compartment



#### 6-4. Machine Compartment



## 7. HOW TO CHECK EACH PARTS

#### 7-1. Hose Ice Maker Tube Assembly

1) Disassembling Procedure

NO	DISASSEMBLING PROCEDURE	NO	DISASSEMBLING PROCEDURE
1	Pull forward Ice Storage Case	5	Remove 2 screws at the Cove Guide Cab W/Tube A.
2	<ul><li>Pull forward Ice Maker</li></ul>	6	Disassemble Cover Guide Cab W/Tube A
3	Disconnect housing on the backside	7	Pull forward Hose Ice Maker Tube As.
4	Disconnect Water Hose Heater's housing.	8	Check Hose Ice Maker Tube As.

#### 2) How to check Hose Ice Maker Tube As.

How to check	CRITERION	
	Measure the resistance of two wire	▷ Good: 2420Ω(±8%) (2226 ~ 2614Ω) ▷ If defective, change

## 7-2. Geared Motor Assembly

#### 1) Disassembling Procedure

NO	DISASSEMBLING PROCEDURE	NO	DISASSEMBLING PROCEDURE
1	Disassemble Ice Maker.	4	
2	Unscrew (2 ea).and pull forward Geared Motor	5	
3	Check Solenoid Valve and Geared Motor.	6	

#### 2) How to Check Geared Motor Assembly

PARTS	SPEC.	HOW TO CHECK	CRITERION
Geared Motor	▷ SPEC. NAME :DAG-6502DESB :S6150XRI01 ▷ VOLTAGE :120V,60Hz	Check resistance value of 2 terminals with a Multi Tester.	▷ GOOD : 2.6Ω(±7%) : 2.3Ω(±7%) ▷ DEFECTIVE ; Change the Geared Motor.
Cube Sol Valve		Check resistance value of 2 terminals with a Multi Tester.	▷ GOOD : 42Ω(±10%) : 38Ω(±10%) ▷ DEFECTIVE ; Change the Cube Sol Valve.

## 7-3. Dispenser Solenoid Valve

## 1) Disassembling Procedure

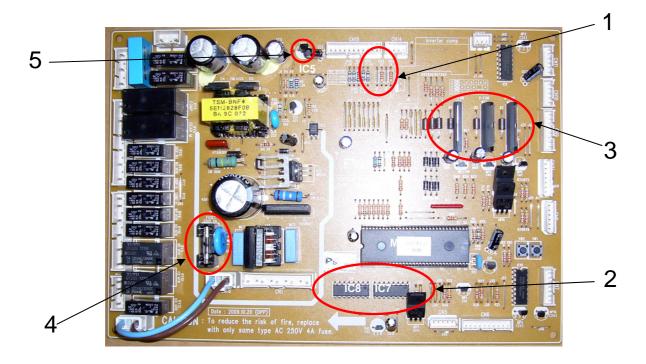
NO	DISASSEMBLING PROCEDURE	NO	DISASSEMBLING PROCEDURE
1	DISASSEMBLING PROCEDURE	4	Separate 2 terminals from Sol Valve and Housings from Cover Ice Flap.
2	<ul> <li>Separate 2 housings from Front PCB.</li> <li>(Do not hold only wires to pull out.)</li> </ul>	5	Dunscrew (2ea) to remove Sol Valve.
3	Unscrew (2ea) to remove Box Dispenser Shut.	6	Dunscrew (1 point) to remove Cover Ice Flap.

#### 2) How to Check Sol Valve & Flap Heater

PARTS	SPEC.	HOW TO CHECK	CRITERION
Dispenser Sol Valve	▷ SPEC. NAME :SOL2003-02D ▷ VOLTAGE :110/115V,60Hz	Check resistance value of both terminals with a tester.	<ul> <li>Good : 49Ω(±10%)         (44.1~53.9Ω)</li> <li>DEFECTIVE : 0         Change Sol Valve.</li> </ul>
Flap Heater Assembly	▷ VOLTAGE :DC 12V, 2W	Check resistance value of both terminals with a tester.	DGOOD: 72Ω(±8%) (66.2 ~ 77.8Ω) DEFECTIVE; Change Flap Heater AS.

## 7-4. Main PCB

■ Model : FRS-701DTU



No	Item	Check Point	Remark
1	Compensation for weak refrigeration →Making R-temp cooler	* Used when making R-temp. down to compensate for weak refrigeration without changing FCP temp. setting.  ※ Cutting of J1 ⇒ down by 1.5 °C  ※ Cutting of J1, J2 ⇒ down by 3°C	
2	Relay Power Controller	* To check normal voltage of each electrical devices to & from MICOM.  ▷ Check input & output voltage of MICOM and IC7, 8.	
3	Fan Power Controller	* To check input & output voltage of Fan    Fan	
4	Electric Current Fuse	* To check when each device does not work (250V,4A)	
5	Regulator IC(5V)	* To check voltage of MICOM and IC Voltage check of IC5 (Input :12V,Output : 5V)	

## 7-5. Ice Maker

#### 1) Disassembling procedure

No	Disassembling procedure	NO	Disassembling procedure
1		6	0
	<ul><li>Remove Window R Lamp and 2 screws on top inner surface of R room.</li></ul>		▷ Disassemble Housing(4ea).
2		7	
	▷ Disassemble Base F Lamp & PCB housing		Unscrew (1 ea) on side inner left surface of Box Ice Maker.
3		8	
			<ul> <li>Pull Forward and Remove Ice Maker AS.</li> <li>Attention on back side wires.</li> </ul>
4	Remove 4 screw on side of Ice Maker & top of Line. And remove Bracket I/BOX *T	9	CABLE TIE  Remove 1 Cable tie on ice sensor.  And remove ice sensor from Ice Maker.
5	Push Lock I/Crusher B and pull forward Case I/Crusher AS and separate Case I/Crusher AS from Box I/Maker AS.		

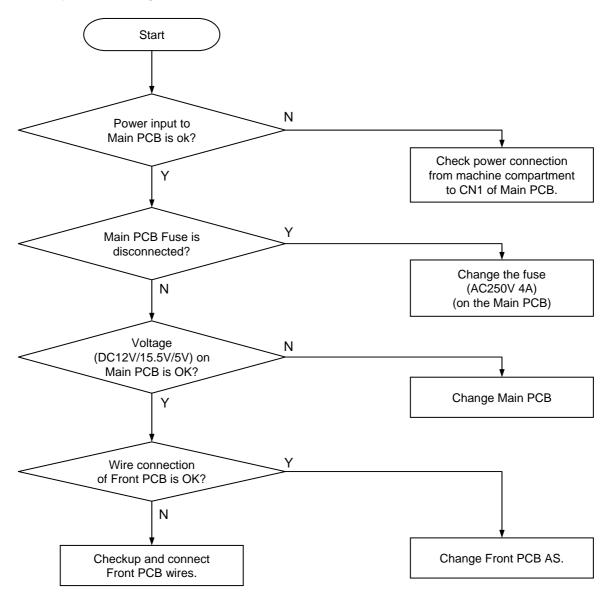
<sup>\*</sup> Follow the reverse order when assembling.

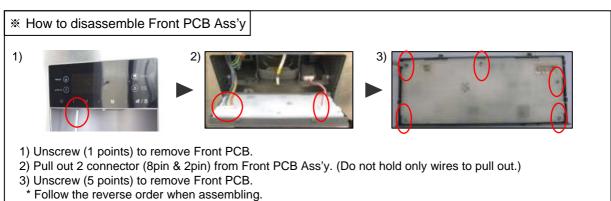
## 2) How to check ice maker

Parts	How to check	Criterion
Ice Maker AS	CAM	
	Ice Maker Switch	DEFECTIVE : all situations except upper
	PLATE LEVER ICE	

# 8. TROUBLE DIAGNOSIS

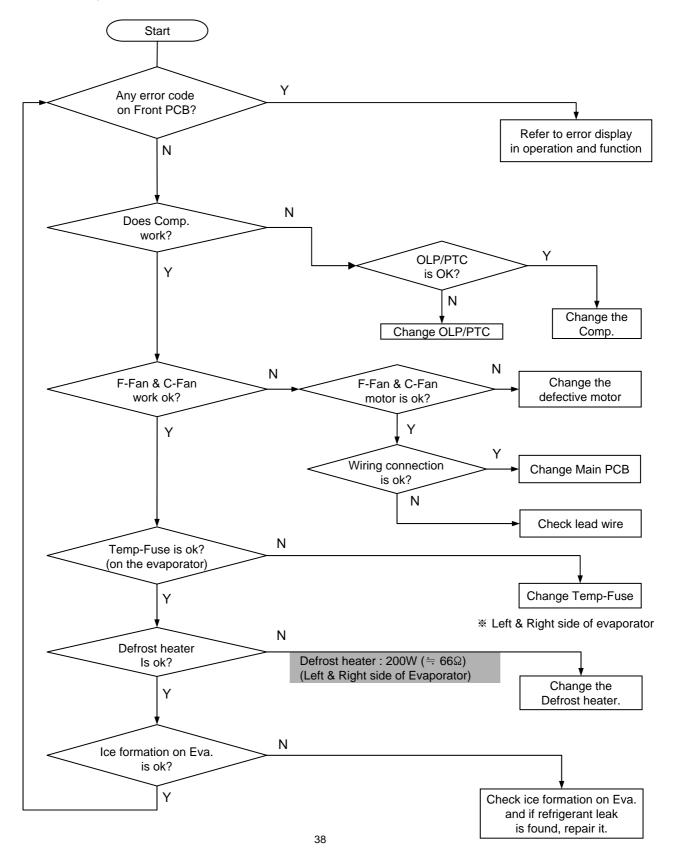
# 8-1. Faulty Start (F/R lights OFF, F-PCB Power OFF)





## 8-2. Freezer Compartment

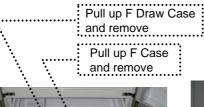
#### 8-2-1. Freezing failure . (Foods are not frozen / cold.)



#### Removing and replacing Freezer parts

#### 1) Disassembling F Door procedure

- (1) Remove foods.
- (2) Remove F Draw Case & F Case in freezer compartment.

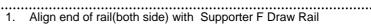


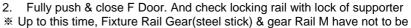
Push lock(both side) and pull forward F Door and remove F Door AS





#### 2) Assembling F Door procedure







- 3. Fully open F door.
- 4. Assemble one Gear Rail M in Supporter F Rail Gear.
- 5. Push and assemble another one Gear Rail M on opposite side of rail.

assembled.

Check both side Gap of Door & Cabinet.





## Removing and replacing Freezer parts

## 3) Disassembling F Louver AS procedure



\* Remove the screw cap (2ea) on the F-Louver A with a flat tip driver.



\* Remove Screws (2ea) of F-Louver A.



\* Pull forward top of F Louver.



\* Disassemble housing



\* Separate F Louver AS.

#### 4) Disassembling F Fan AS procedure



\* Remove the screw (3ea) of Fixture F Motor A.



\* Separate Fixture F Motor A



\* Remove the screw (1ea) of Cover Fan Motor.



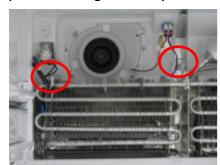
\* Separate Cover Fan Motor.



\* Strongly pull out Fan Blade and remove. And separate Motor.

## Removing and replacing Freezer parts

## 5) Disassembling R Fan AS procedure



\* Remove screws(2ea) of Eva.



\* Remove screws(3ea) of Fixture R Motor B.



\* Remove Housing R Fan AS.



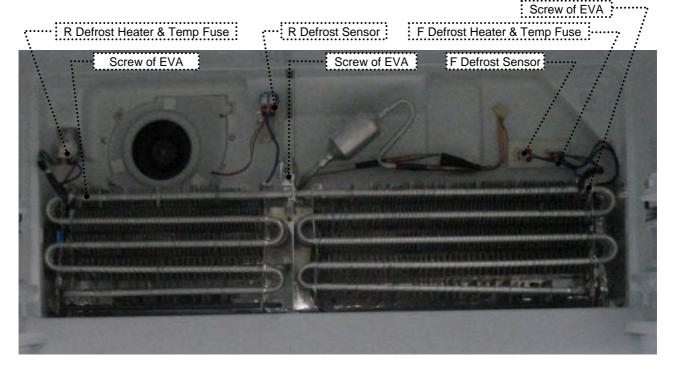
\* Pull forward R Fan AS.



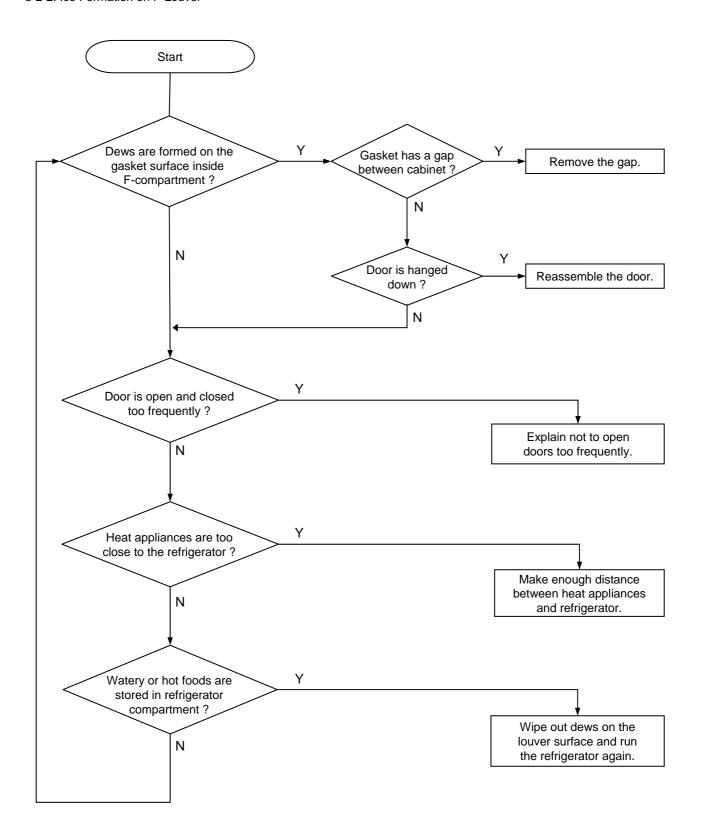
\* Separate R Fan AS.



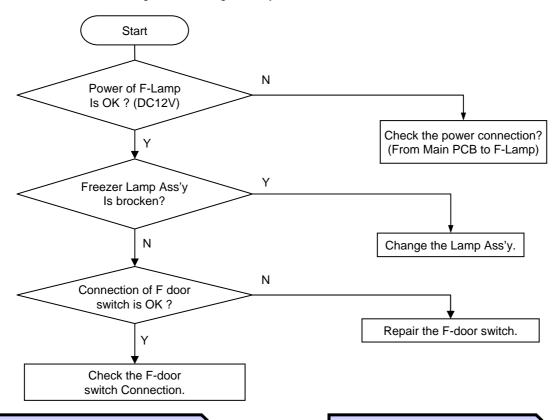
## 6) Disassembling EVA AS & Accessory procedure



#### 8-2-2. Ice Formation on F-Louver



#### 8-2-3. Disconnection / breaking of Freezer Lights Ass'y



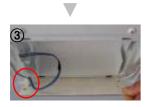
# **Change of F Lights**



\* Remove 2 screws of light cover.



\* Unscrew 2 points.

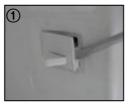


\* Pull out connector from F-Lamp Ass'y.



\* Check the power of F-Lamp connector (DC 12V)

# **Change of F Door Switch**



\* Insert a flat tip screw driver Into a gap of door switch to pull forward.

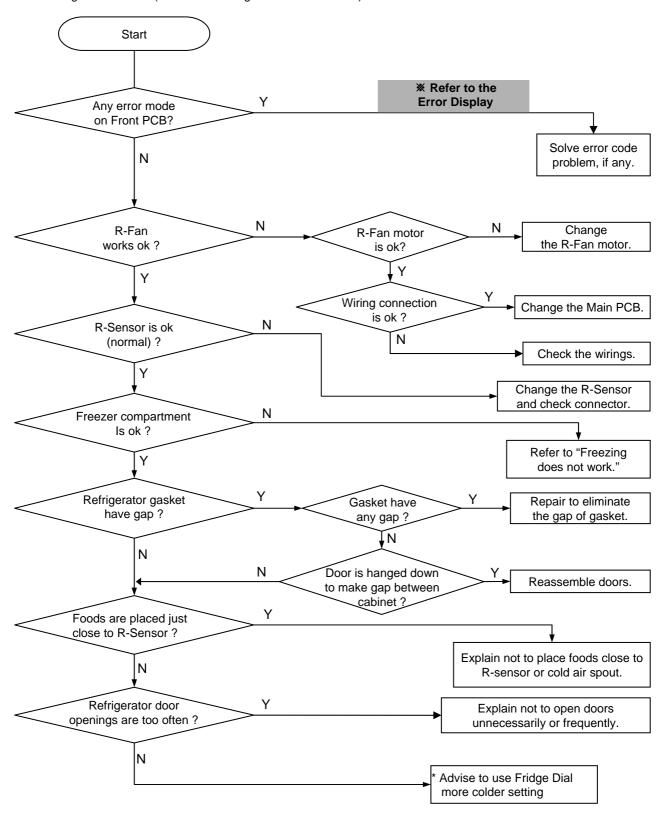


\* Disconnect the housing and change the switch for a new one.

Follow the reverse order of disassembling after changing the switch.

## 8-3. Refrigerator Compartment

#### 8-3-1. Refrigeration failure (Foods does not get cool or cold soon.)



## Removing and replacing Refrigerator parts

## 1) Disassembling R Door procedure





\* Remove Screws (1ea) of clip and remove the clip.



\* Disconnect housing and water hose.



\* Remove Bolt(1ea) of Hinge \*T and remove the Hinge \*T.



\* Pull up the door and remove the

## 2) Disassembling Multi-Duct procedure





\* Remove Cap Screws \*T by '-' driver. \* Remove Cap Screws \*U by '-' driver. \* Remove Screws(2ea).





\* Pull forward top of Multi Duct AS .



\* Disconnect housings .

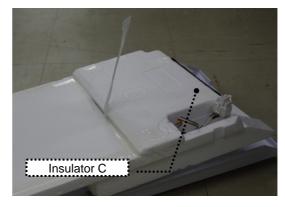


# Removing and replacing Refrigerator parts

## 2) Disassembling Multi-Duct procedure



\* Separate Cover Multi Duct with Insulator.



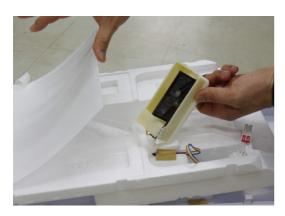
\* Remove tape.



\* Separate Insulator C.



\* Separate Insulator D.

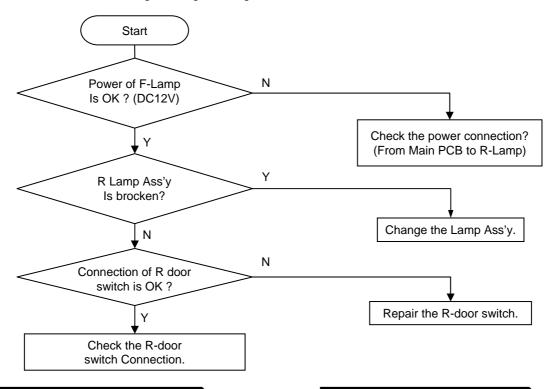


\* Separate Damper



\* Sensor for R Room.

#### 8-3-2. Disconnection / Breaking of Refrigerator Lights Wires



# **Change of R Lights**



\* Remove the Water Filter cover



\* Unscrew 2 points.



\* Pull out connector from R-Lamp Ass'y.

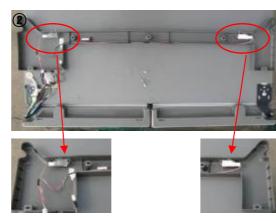


\* Check the power of R-Lamp connector (DC 12V)

# **Change of R Door Switch**



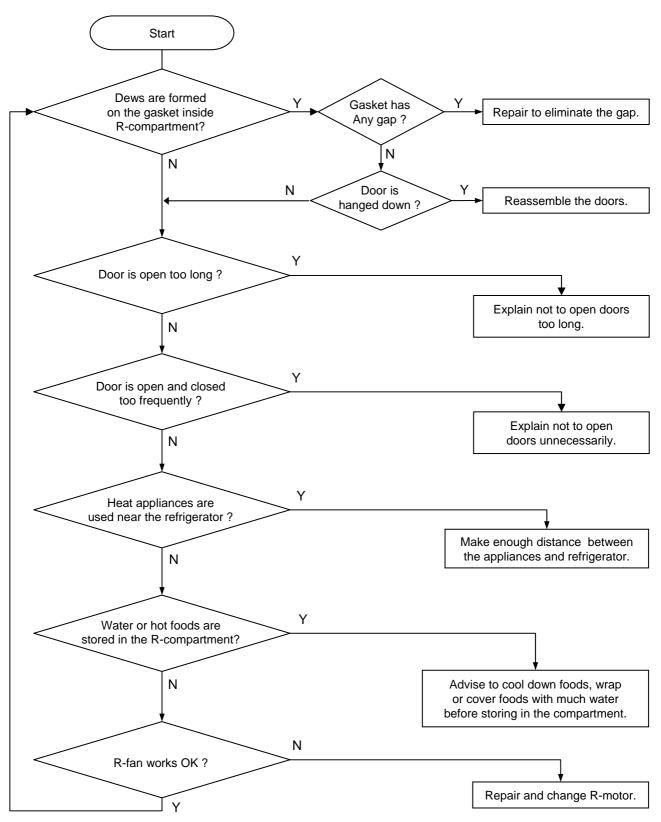
\* Unscrew 5 points.



- \* Pull out the connector and change the switch for a new one.
- Follow the reverse order of disassembling after changing the switch.

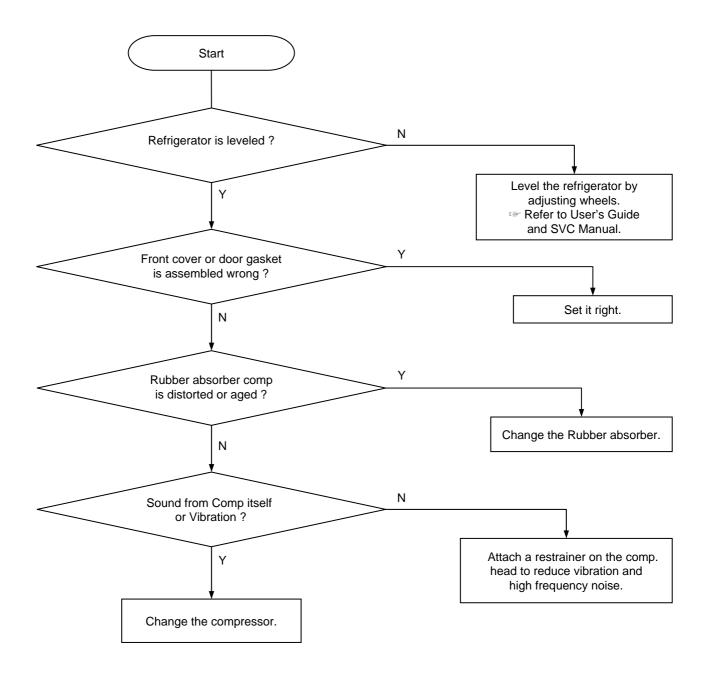
47

#### 8-3-3. Dews on Refrigerator Compartment



## 8-4. Operation Noise of Refrigerator

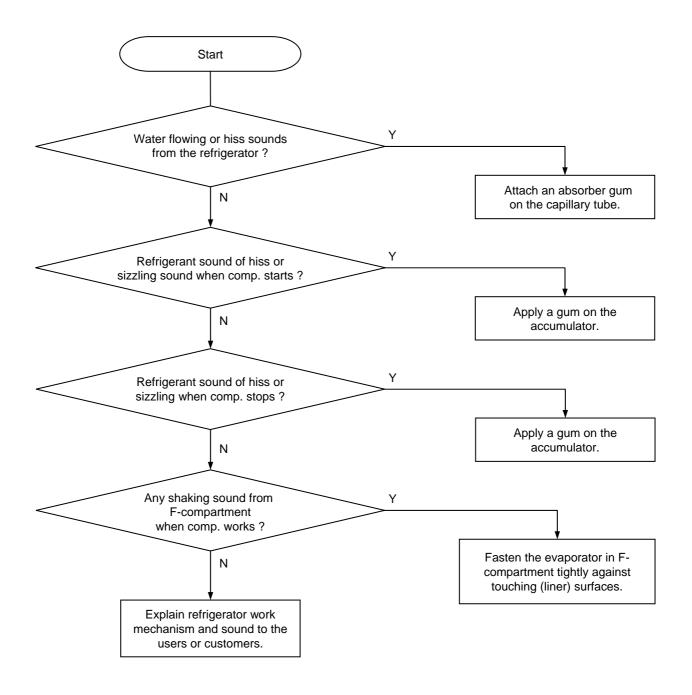
## 8-4-1. Comp. operation Noise



#### Remarks

- Compressor sound is somewhat normal because it works like a heart to circulate the refrigerant in the pipes during the refrigerator operation.
- Rattling or metallic touch sound of motor, piston of comp. can be heard when it starts or stops.

#### 8-4-2. Refrigerant Flow Sound

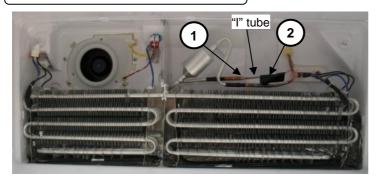


#### Remarks

 Water flowing sound, hiss or sizzling sound can make while refrigerant in the pipes is changing from liquid to gas state when comp. starts or stops.
 It is normal to the refrigerator.

# Troubleshooting of Evaporator Sound

## 1. Hiss Sound from Capillary Tube



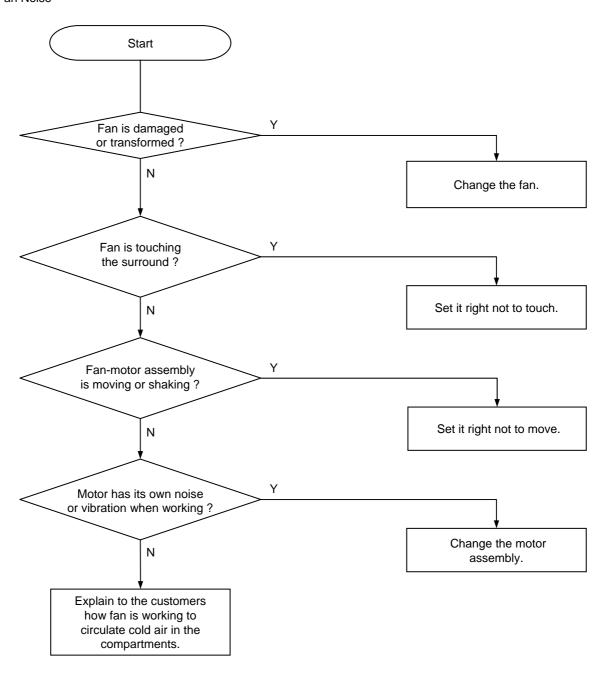
- 1) "I" tube is used to connect the capillary tube and evaporator. (2 welding points : ①, ②)
- 2) When such a sound is made, attach a absorber on the tube including 2 welding points.

## 2. Shaking or trembling Sound of Evaporator



1) Check whether evaporator is fastened tight with the screws of 5 points.

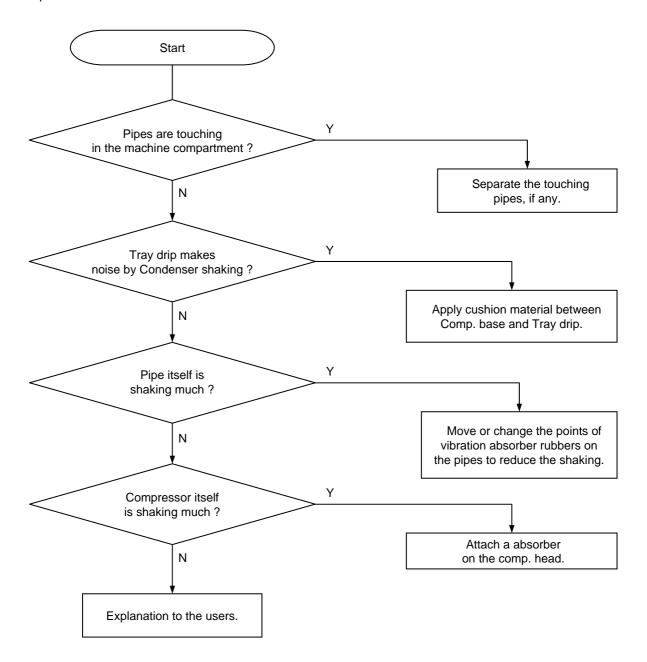
#### 8-4-3. Fan Noise



#### Remarks

The fan is sending out cold air to circulate it through the compartments.
When the air is touching the surface of louver or liner wall, such sound can make.

#### 8-4-4. Pipe Noise

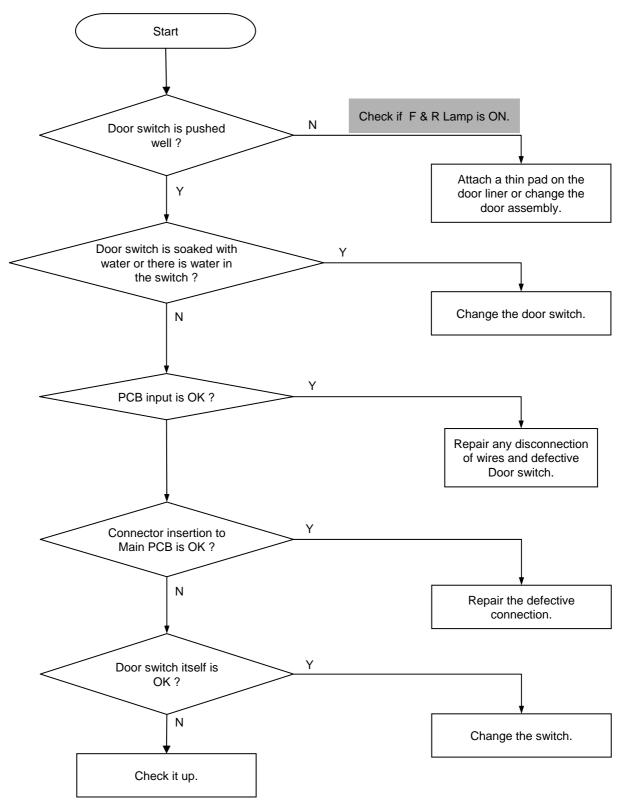


#### Remarks

- Refrigerant is erupting rapidly from the compressor to circulate pipes, so pipe shaking noise can make to some degree.
- In case compressor vibration is sent to a pipe directly, apply vibration absorber rubbers to welding points of the pipe and comp. or to a much bent point on the pipe.

## 8-5. Door

8-5-1. Door Opening Alarm Continues though the door is closed.



# 9. COOLING CYCLE HEAVY REPAIR

## 9-1. Summary of Heavy Repair

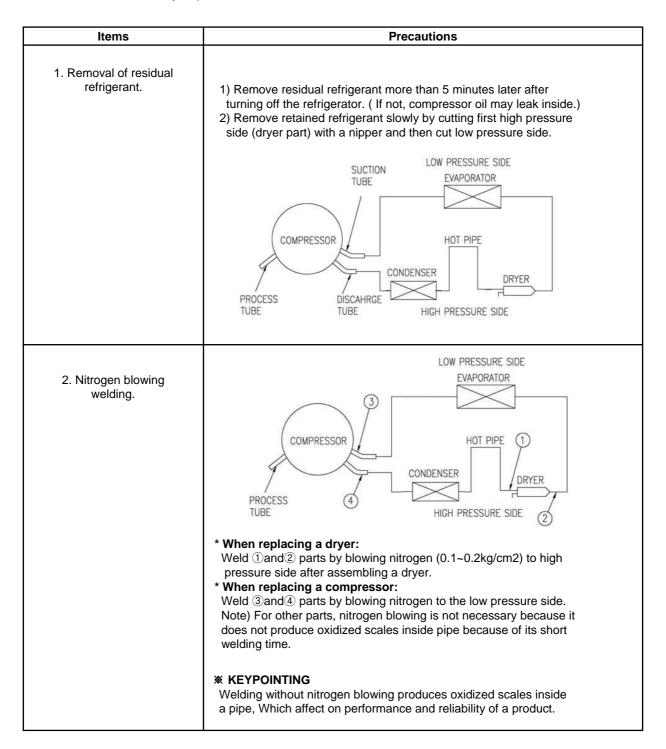
Process	Contents	Tools
Remove refrigerant Residuals	* Cut charging pipe ends (Comp. & Dryer) and discharge refrigerant from dryer and compressor.	* Nipper, side cutters
Parts replacement and welding	* Confirm refrigerant (R-134a or R-600a) and oil for compressor and dryer.  * Confirm N2 sealing and packing conditions before use. Use good one for welding and assembly.  * Weld under nitrogen gas atmosphere.  * Repair in a clean and dry place.	* Pipe Cutter, Gas welder, N2 gas
Vacuum	* Evacuate for more than forty minutes after connecting manifold gauge hose and vacuum pump to high (dryer) and low (compressor) pressure sides.	* Vacuum pump , Manifold gauge.
Refrigerant charging and charging inlet welding	* Weigh and control the bombe in a vacuum conditions with electronic scales and charge through compressor inlet (Process tube).  * Charge while refrigerator operates.  * Weld carefully after inlet pinching.	* Bombe (mass cylinder), refrigerant manifold gauge, electronic scales, punching off flier, gas welding machine
Check refrigerant leak and cooling capacity	* Check leak at weld joints. Note :Do not use soapy water for check. * Check cooling capacity  → Check condenser manually to see if warm.  → Check hot pipe manually to see if warm.  → Check frost formation on the whole surface of the evaporator.	* Electronic Leak Detector, Driver.
Compressor compartment and tools arrangement	* Remove flux from the silver weld joints with soft brusher wet rag. (Flux may be the cause of corrosion and leaks.) *Clean tools and store them in a clean tool box or in their place.	* Copper brush, Rag, Tool box
Transportation and installation	* Installation should be conducted in accordance with the standard installation procedure. (Leave space of more than 5 cm from the wall for compressor compartment cooling fan mounted model.)	

## 9-2. Precautions During Heavy Repair

Items	Precautions
Use of tools.	1) Use special parts and tools for R-134a or R-600a
Removal of retained refrigerant.	1) Remove retained refrigerant more than 5 minutes after turning off a refrigerator. (If not, oil will leak inside.) 2) Remove retained refrigerant by cutting first high pressure side (dryer part) with a nipper and then cut low pressure side.  (If the order is not observed, oil leak will happen.)
	SUCTION LOW PRESSURE SIDE TUBE EVAPORATOR
	COMPRESSOR  HOT PIPE  CONDENSER  DRYER  PROCESS  TUBE  HIGH PRESSURE SIDE
Replacement of dryer.	Be sure to replace dryer when repairing pipes and injecting refrigerant.
Nitrogen blowing welding.	Weld under nitrogen atmosphere in order to prevent oxidation inside a pipe. (Nitrogen pressure : 0.1~0.2 kg/cm2.)
Others.	1) Nitrogen only should be used when cleaning inside of cycle pipes inside and sealing. 2) Check leakage with an electronic leakage tester. 3) Be sure to use a pipe cutter when cutting pipes. 4) Be careful not the water let intrude into the inside of the cycle.

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#### 9-3. Practical Work for Heavy Repair



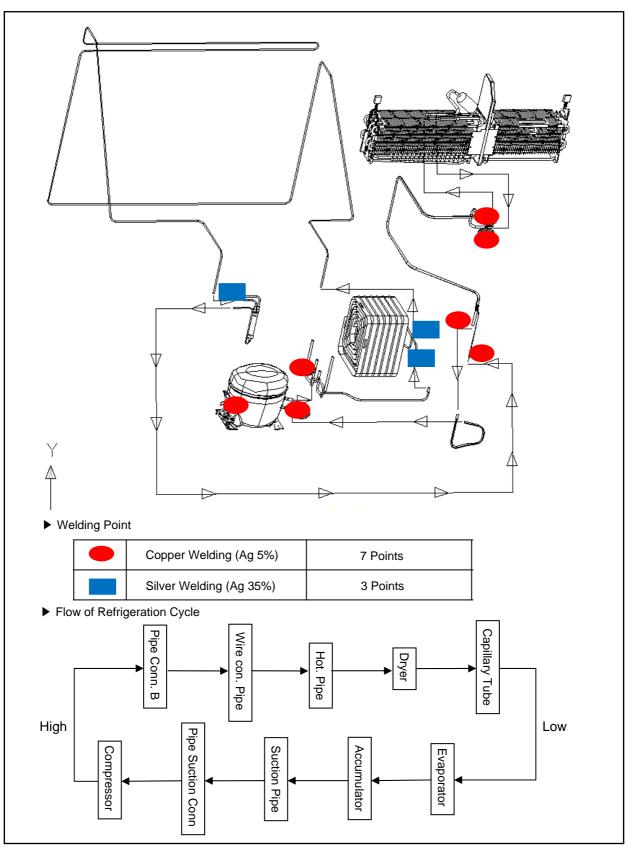
Items	Precautions
3.Vacuum degassing.	* Pipe Connection Connect a red hose to the high pressure side and a blue hose to the low pressure side.  * Vacuum Sequence Open ①,② valves and evacuate for 40 minutes. Close valve ①.
	COMPRESSOR HOT PIPE  CONDENSER  PROCESS TUBE
	LOW PRESSURE VACCUM PUMP PRESSURE  BLUE YELLOW RED
	<ul> <li>** KEYPOINTING</li> <li>1) If power is applied during vacuum degassing, vacuum degassing shall be more effective.</li> <li>2) Operate compressor while charging refrigerant. (It is easier and more certain to do like this.)</li> </ul>
4.Refrigerant charging.	* Charging sequence  1) Check the amount of refrigerant supplied to each model after completing vacuum degassing.  2) Evacuate bombe with a vacuum pump.  3) Measure the amount of refrigerant charged.  - Measure the weight of an evacuated bombe with an electronic scale.  - Charge refrigerant into a bombe and measure the weight. Calculate the weight of refrigerant charged into the bombe by subtracting the weight of an evacuated bombe.
	Indicate the weight of an evacuated bombe
	* KEYPOINTING  1) Be sure to charge the refrigerant at around 25°C.
	Calculation of amount of refrigerant charged  the amount of refrigerant charged  = a weight after charging  - a weight before charging  (a weight of an evacuated cylinder)

Items	Precautions
4.Refrigerant charging.	4) Refrigerant Charging Charge refrigerant while operating a compressor as shown above. 5) Pinch a charging pipe with a pinch-off plier after completion of charging. 6) Braze the end of a pinched charging pipe with copper brazer and take a gas leakage test on the welded parts.
	LOW PRESSURE SIDE
	BOMBE COMPRESSOR HOT PIPE PROCESS TUBE HIGH PRESSURE SIDE
5. Gas-leakage test	* Take a leakage test on the welded or suspicious area with an electronic leakage tester.
6. Pipe arrangement in each cycle	* Check each pipe is placed in its original place before closing a cover back-M/C after completion of work.

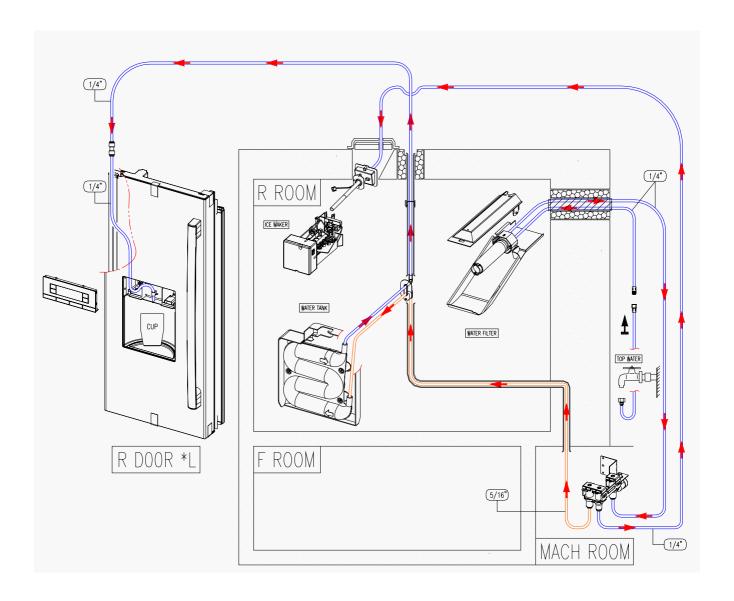
#### 9-4. Standard Regulations for Heavy Repair

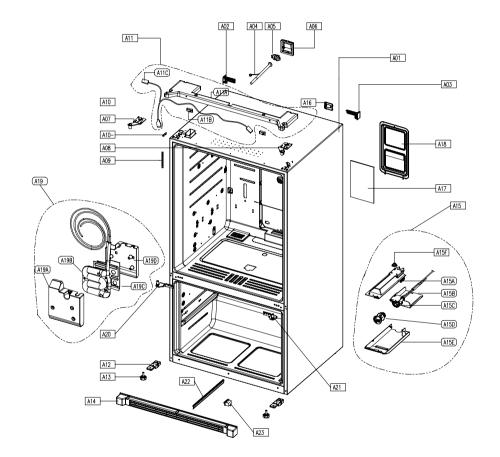
- 1) Observe the safety precautions for gas handling.
- 2) Use JIG (or wet towel) in order to prevent electric wires from burning during welding. (In order to prevent insulation break and accident.)
- 3) The inner case shall be melted and insulation material (polyurethane) shall be burnt if not cared during welding inner case parts.
- 4) The copper pipe shall be oxidized by overheating if not cared during welding.
- 5) Not allow the aluminum pipes to contact to copper pipes. (In order to prevent corrosion.)
- 6) Make sure that the inner diameter should not be distorted while cutting a capillary tube.
- 7) Be sure that a suction pipe and a filling tube should not be substituted each other during welding. (High efficiency pump.)

## 9-5. Brazing Reference Drawings.



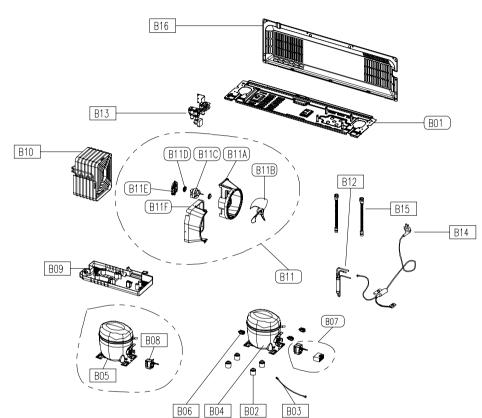
# 9-6. Dispenser Water Flow





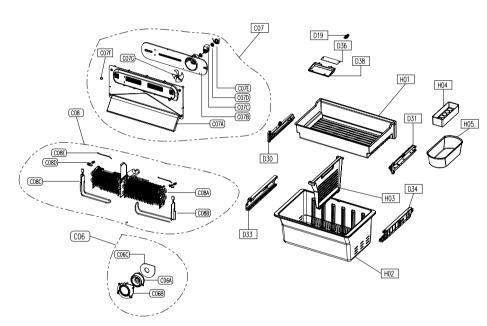
NO		PART-CODE	PART NAME	SPEC.	Q'ty
A01		-	ASSY CAB PRE	RFS-701DTU	1
A02		3012601201	HANDLE CAB COVER*L	PP	1
A03		3012601301	HANDLE CAB COVER*R	PP	1
A04		3013226500	HOSE I/MAKER TUBE AS	RFS-702ETU	1
A05		3012537400	GUIDE CAB W/TUBE A AS	L1700(ORANGE)	1
A06		3001428610	COVER GUIDE CAB W/TUBE AS	RFS-702ETU	1
A07		3012931500	HINGE *T *L AS	RFS-702ETU	1
A08		3012931600	HINGE *T *R AS	RFS-702ETU	1
A09		3015103100	SPRING GUIDE W/TUBE	SUS304 OD8XL100	1
A10		3013064220	HOLDER TUBE A	1/4-1/4 FITTING	1
A11		3011499C00	COVER HI *T AS	RFS-702ETU	1
A11	Α	3001423200	COVER HI *T	PP	1
A11	В	3018125601	SWITCH H/BAR DR AS	SP101B-2D1(G) GRAY	2
A11	С	3012770300	HARNESS R DR S/W AS	RFS-702ETU	1
A12		3010670610	BRACKET ADJ FOOT SAS	RFS-702ETU	2
A13		3012105700	FOOT ADJ	PP+BOLT INSERT	2
A14		3001431200	COVER CAB BRKT AS	COVER + VINYL	1
A15		3012232500	FRAME W/FILT AS	RFS-701DTU	1
A15	Α	3012226000	FRAME FILT WATER	HIPS	1
A15	В	3013068600	HOLDER FILT WATER	HIPS	1
A15	С	3011902300	FILTER HEAD MICRO	RFS-701DTU	1
A15	D	3010984900	CAP W/FILT	PP	1
A15	Ε	3001424400	COVER FILT WATER	HIPS	1
A16		3001424100	COVER GUIDE CAB W/FILT	PP	1
A17		30143HG060	PCB MAIN AS	FR-1 252X173-1.6T	1
A18		3001439100	COVER M/PCB BOX AS	RFS-702ETU	1
A19		3018201500	TANK WATER AS	AC110~127V	1
A19		3018201510	TANK WATER AS	AC220~240V	
A19	Α	3001437700	COVER W/TANK *F	PP	1
410	В	3018201600	TANK WATER SAS	RFS-701DTU	1
A19	D	3018201110	TAIN WATER SAS	RFS-702ETU	
410	С	3012825200	HEATER WITANIX AS	AC110~127V,4W	1
A19	C	3012825210	HEATER W/TANK AS	AC220~240V,4W	
A19	D	3001437800	COVER W/TANK *B	PP	1
A20		3012931700	HINGE *M*L AS	RFS-702ETU	1
A21		3012931800	HINGE *M*R AS	RFS-702ETU	1
A22		3012325800	GASKET CAB BASE	PVC(S+H/2)	1
A23		3018124000	SWITCH LAMP *R	SP201R-7DR	1

No	DATE	NOTE	REMARK



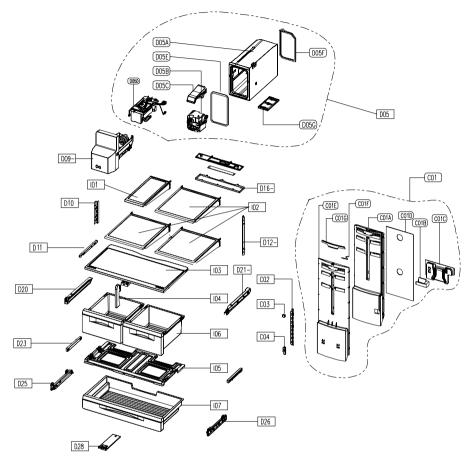
NO		PART-CODE	PART NAME	SPEC.	Q'ty
B01	İ	3010360500	BASE COMP AS	RFS-701DTU	1
B02	İ	3010101600	ABSORBER COMP	NBR	4
B03		3012759900	HARNESS EARTH COMP	FRU-745	1
B04		3956180910		EGX80HLC 115~127V/60Hz	
B05		3956186980	COMPPRESSOR	LQ86LAEM 220~240V/50Hz	1
B05	i	3956169M40		LQ69LADM 220V 60Hz	
B06		3016002500	COMP WASHER	SK-5 T0.8	3
B07		3018132600	SWITCH P TSD AS	EGX80HLC ONLY	1
B00		3018133400	CIMITON B BELAY AC	LQ86LAEM ONLY	
B08		3018134100	SWITCH P RELAY AS	LQ69LAEM ONLY	1
B09		3011198800	CASE VAPORI AS	RFS-702ETU	1
B10		3014474000	PIPE WICON AS	RFS-701DTU	1
B11	İ	3018500600	M/BELL AS	RFS-702ETU	1
B11	Α	3018500200	M/BELL	PP	1
B11	В	3011836300	FAN	ABS(OD150)	1
B11	С	3015920000	MOTOR C FAN	D4612AAA28	1
B11	D	3010107100	ABSORBER F MOTR	NBR	2
B11	Ε	3012021700	FIXTURE MOTR	PP	1
B11	G	3018500300	M/BELL B	PP	1
B12		3016808100	DRYER AS	C1220T-M OD19.05XL135	1
012	!	3015406000	WALLE WATER AC	110~127V	
B13	 !	3015406010	VALVE WATER AS	220~240V	1
B14	İ	OPTION	CORD POWER AS	COUNTRY DEPENDENT	1
B15	İ	3013201700	HOSE DRN B	PE FRB-5350NT	2
B16		3001419000	COVER MACH RM BSH AS	RFS-702ETU	1

No	DATE	NOTE	REMARK



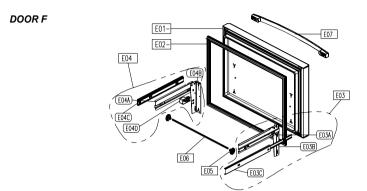
NO		PART-CODE	PART NAME	SPEC.	Q'ty
C06	!	3012032600	FIXTURE R MOTR AS	RFS-702ETU	1
C06	Α	3015920200	MOTOR R AS	11 OR IMPELLER	1
C06	В	3012029700	FIXTURE MOTR R B	PP	1
cac		3012824100	UEATER RAIGHT RAIG	AC110~127V,7W	1
C06	С	3012824110	HEATER R MOTR B AS	AC220~240V,7W	
C07	l	3018928100	LOUVER F AS	RFS-702ETU	1
C07	Α	3018927500	LOUVER F	HIPS	1
C07	В	3012029400	FIXTURE F MOTR A	PP	1
C07	С	3015920100	MOTOR F AS	D4612AAA29	1
C07	D	3010107100	ABSORBER F MOTR	NBR	2
C07	Ε	3012023700	FIXTURE MTR S3	PP	1
C07	F	3010924600	CAP F LOUVER	HIPS T2.3	2
C07	G	3011835900	FAN	OD100,SHAFT OD3.17	1
600		3017068600	AC110~127V,7N	AC110~127V,7W	
C08	i	3017068620	EVA AS	AC220~240V,7W	1
C08	Α	3017068610	EVA SAS	RFS-702ETU	1
600		3012823200	LIEATED CLIEATURE AC	AC110~127V,200W	
C08	В	3012823210	HEATER SHEATH F AS	AC110~127V,200W	1
COO		3012823300	LIEATER CUEATUR AC	AC115, 200W	,
C08	C	3012823310	HEATER SHEATH R AS	AC230V,200W	1
C08	D	3014808900	SENSOR D AS	PBN-43B	2
C08	Ε	4856813100	CABLE TIE	DA-140	2
D19	i	3011442610	COVER F SENSOR	ABS	1
D30		3015318400	SUPPORTER CASE F*L AS	RFS-702ETU	1
D31		3015318500	SUPPORTER CASE F*R AS	RFS-702ETU	1
D33	l	3015314900	SUPPORTER F DRAW RAIL*L	ABS	1
D34	i I	3015315000	SUPPORTER F DRAW RAIL*R	ABS	1
D36	i	30143H7560	PCB PRE LED AS	6-LED FR-4 165X60-106T	1
D38		3015514900	WINDOW F LAMP	ABS	1
H01		3011199200	CASE F AS	RFS-702ETU	1
H02		3011199300	CASE F DRAW AS	RFS-702ETU	1
H03		3014582500	PLATE F DRAW DV	HIPS	1
H04		3010571400	BOX EGG AS	RFS-702ETU	1
H05		3011199800	CASE F SM AS	RFS-702ETU	1

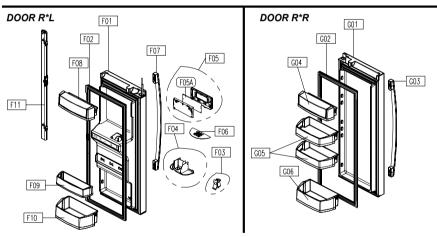
No	DATE	NOTE	REMARK



NO		PART-CODE	PART NAME	SPEC.	Q'ty
C01	1	3001439200	COVER MULTI DUCT AS	RFS-701DTU	1
C01	Α	3013379900	INSU MULTI DUCT A	F-PS	1
C01	В	3016767200	DAMPER AS	DU24-113	1
C01	С	3013380000	INSU MULTI DUCT B	F-PS	1
C01	D	3013377300	INSU MULTI DUCT D	F-PS, T2.5XW273XL640	1
C01	Ε	3001437300	COVER MULTI DUCT	HIPS	1
C01	F	3014808400	SENSOR R AS	PBN-34B	1
C01	G	3011654400	DECO MULTI DUCT SAS	RFS-701DTU	1
C02	i	3015316400	SUPPORTER SHELF *M AS	RFS-702ETU	1
C03		3010983800	CAP SHELF SUPORT *T	HIPS	1
C04	İ	3010985000	CAP SHELF SUPORT *U	HIPS	1
	Ì	3010574800		110~127V	
D05	i	3010574810	BOX I/MAKER AS	220~240V/50Hz	1
	ļ	3010574820		220V/60Hz	
D05	Α	3010568000	BOX I/MAKER URT AS	RFS-702ETU	1
D05	В	3012030700		115V/60Hz	
	!	3012030710	FIXTURE GEARED MOTR AS	220~240V/50Hz	1
	!	3012030720		220V/60Hz	
D05	С	3012536500	GUIDE ICE AIR AS	GUIDE B+C	1
	<u> </u>	3011199500		DIM-AL8A. FOR 120VAC	
D05	D	3011199510	CASE I/MAKER AS	DIM-AL8A. FOR 230VAC	2
D05	Ε	3012324100	GASKET I/CRUSHER	SILICON	1
D05	F	3007705900	SEAL I/MAKER BOX	EPDM T10XW10XL790	1
D05	G	3012032200	FIXTURE R SHELF SM	ABS	1
D09	1	3011124800	CASE I/CRUSHER AS	RFS-701DTU	1
D10		3015316300	SUPPORTER SHELF *L AS	RFS-702ETU	1
D11	i	3012533000	GUIDE I/BOX*U	HIPS	1
D12	i	3015316500	SUPPORTER SHELF *R AS	RFS-702ETU	1
D20		3012540600	GUIDE V/CASE*L AS	RFS-701DTU	1
D21	Ì	3012540700	GUIDE V/CASE*R AS		1
D23	1	3015320600	SUPPORTER WIDE CASE COVER	HIPS	2
D25		3015318600	SUPPORTER MEAT RAIL*L AS	RFS-702ETU	1
D26	i	3015318700	SUPPORTER MEAT RAIL*R AS	RFS-703ETU	3
D28	i	3012537000	GUIDE MEAT KEEPER AS	RFS-702ETU	1
I01		3012228710	FRAME R SHELF SM AS	RFS-702ETU	1
I02	Ì	3012228700	FRAME R SHELF AS	RFS-702ETU	1
I03	i	3001439300	COVER V/CASE AS	RFS-702ETU	1
I04		3001437900	COVER VEGETB GUIDE	HIPS	1
<i>I05</i>	i	3001441100	COVER WIDE CASE AS	RFS-702ETU	1
I06	1	3011124500	CASE VEGETB AS	RFS-702ETU	2
107	1	3011124600	CASE WIDE AS	RFS-702ETU	2

No	DATE	NOTE	REMARK





NO		PART-CODE	PART NAME	SPEC.	Q'ty
E01	T	3011799C10	DOOR F PRE AS	RFS-702ETU	1
E02	i	3012324700	GASKET F DR AS	PVC-S	1
E03	1	3012228800	FRAME F DRAW RAIL *L AS	RFS-702ETU	1
E03	Α	3012201400	FRAME F DRAW RAIL*L SAS	RFS-702ETU	1
E03	В	3012225100	FRAME F DRAW DR RAIL*L	SECC+PAINT(WH)	1
E03	С	3010402100	BODY F DRAW RAIL*L AS	H53 L508	1
E04	i	3012228900	FRAME F DRAW RAIL *R AS	RFS-702ETU	1
E04	Α	3012201700	FRAME F DRAW RAIL*R SAS	RFS-702ETU	1
E04	В	3012225200	FRAME F DRAW DR RAIL*R	SECC+PAINT(WH)	1
E04	С	3010402500	BODY F DRAW RAIL*R AS	H53 L508	1
E04	D	3016307500	BUTTON F DR SW	HIPS	1
E05	1	3017300700	GEAR F RAIL*M	POM	2
E06		3012032700	FIXTURE F RAIL GEAR	SWCH10A	1
E07	i	3016046500	HANDLE AS	RFS-701DTU	1
F01		3011799D10	DOOR R*L PRE AS	RFS-701DTU	1
F02	Ī	3012324800	GASKET R DR*L AS	PVC-S	1
F03	Ì	3015403210		110~127V	
	i	3015404100	VALVE SOL DISPS.	220~240V/50Hz	1
	!	3015402110		220V/60Hz	
F04	1	3010571500	BOX DISPNS /I SHUT AS	RFS-702ETU	1
F05		3012232600	FRAME F PCB AS	RFS-701DTU	1
F05	Α	30143HG160	PCB FRONT AS	RFS-701DTU	1
F06	1	3012407710	GRILLE DISPNS	SUS304	1
F07	Ţ	3012654100	HANDLE AS	RFS-701DTU	1
F08	Ī	3019059300	POCKET DAIRY AS	RFS-701DTU	1
F09	i i	3019059500	POCKET SM AS	RFS-701DTU	1
F10	1	3019059600	POCKET GALLON AS	RFS-701DTU	1
F11		3014599B00	PLATE R DV AS	RFS-702ETU	1
G01		3011799E10	DOOR R*R PRE AS	RFS-701DTU	1
G02	1	3012327500	GASKET R DR*R AS	PVC-S	1
G03		3012654100	HANDLE AS	RFS-701DTU	1
G04		3019059300	POCKET DAIRY AS	RFS-701DTU	1
G05	Ĺ	3019059400	POCKET UTILITY AS	RFS-701DTU	1
G06	i	3019059600	POCKET GALLON AS	RFS-701DTU	2

No	DATE	NOTE	REMARK