S/M No.:

Service Manual Refrigerator

RF-650NT.. RF-650NW.. RN-650NW..







FACTORY MODEL: FRP-513..

RF-651NT.. RN-651NT..



FACTORY MODEL: FRP-514..

RF-651NW.. RN-651NW..



FACTORY MODEL : FRP-515..

✓ 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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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.

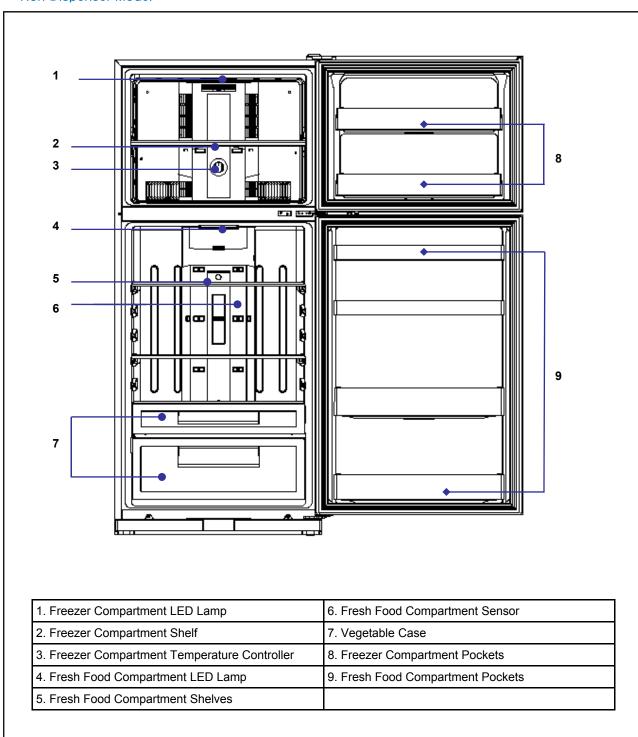
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 - Shut off the power whenever replacing and repairing electric components.
- When connecting power cord, please wait for more than five minutes after power cord was disconnected from the wall outlet.
- 3. Please check if the power plug is pressed 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 let the customers repair, disassemble and reconstruct the refrigerator for themselves. It may cause accident, electric shock, or fire.
- 11. Do not store flammable materials such as ether, benzene, alcohol, chemicals, gas, or medicine in the refrigerator.
- 12. Do not put flower vase, cup, cosmetics, chemicals, etc., or container with full of water on the top of the refrigerator.
- 13. Do not put glass bottles with full of water into the freezer. The contents shall freeze and break the glass bottles.
- 14. When you scrap the refrigerator, please disconnect the door gasket first and scrap it where children are not accessible.

1. SPECIFICATION

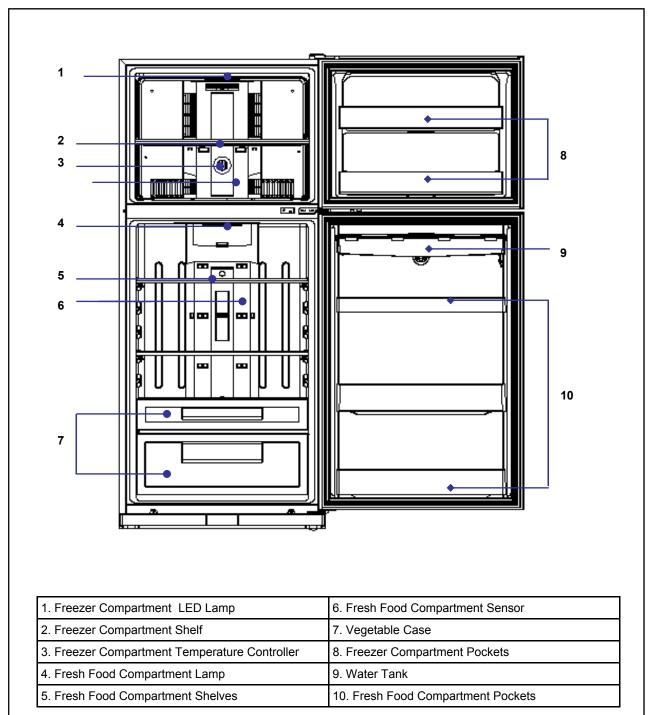
Item		Specification
ISO Cross	Total	525 Li
ISO Gross Volume	Freezer Compartment	163 Li
(Li)	Fresh Food Compartment	362 Li
ICO Characa	Total	492 Li
ISO Storage Volume	Freezer	142 Li
(Li)	Refrigerator	350 Li
Woight	Non dispenser model	84Kg
Weight	Dispenser model	85Kg
External Dimension	Non dispenser model	768 mm X 732 mm X 1770 mm
(Width x Depth x Height)	Dispenser model	768 mm X 744 mm X 1770 mm

2. Name Of Each Part

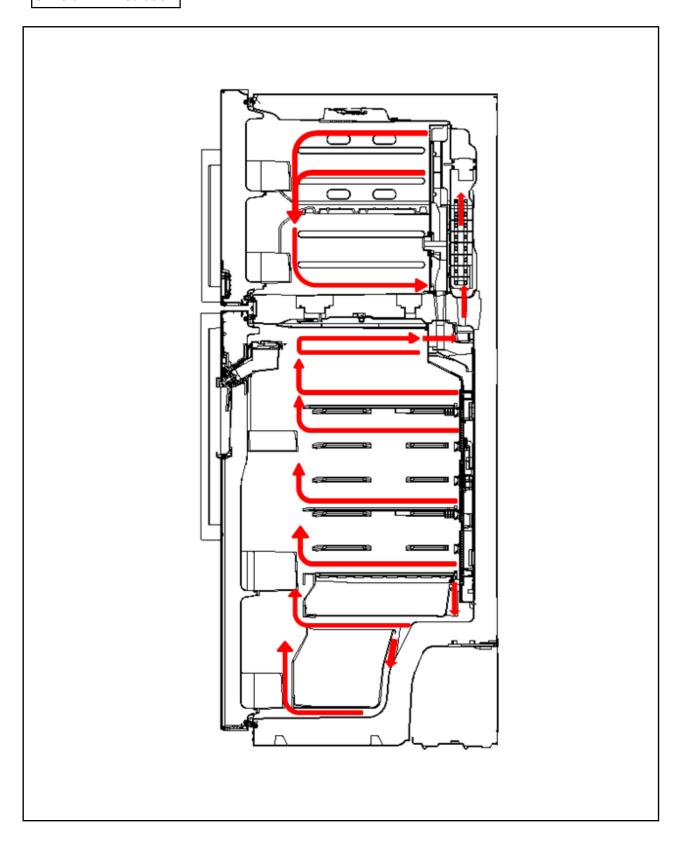
Non Dispenser Model



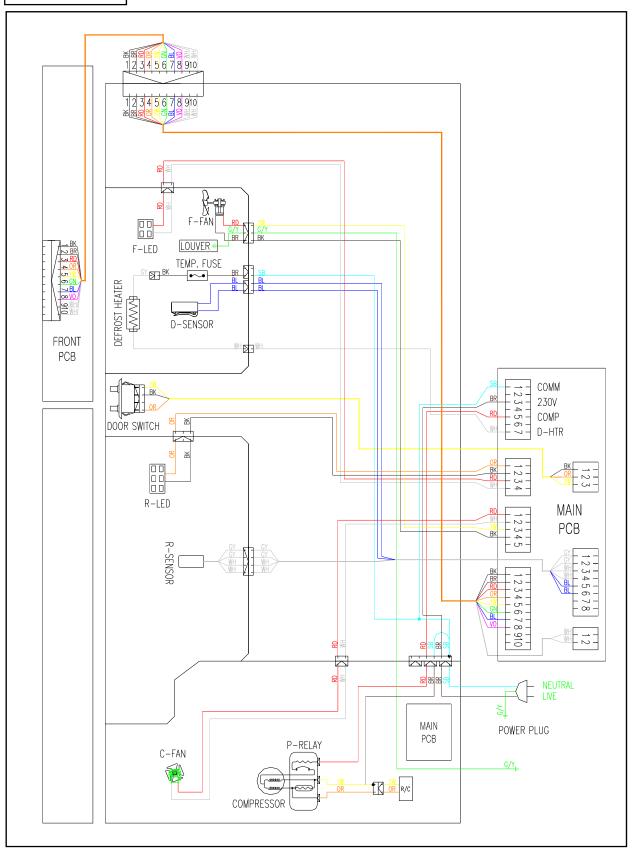
Dispenser Model



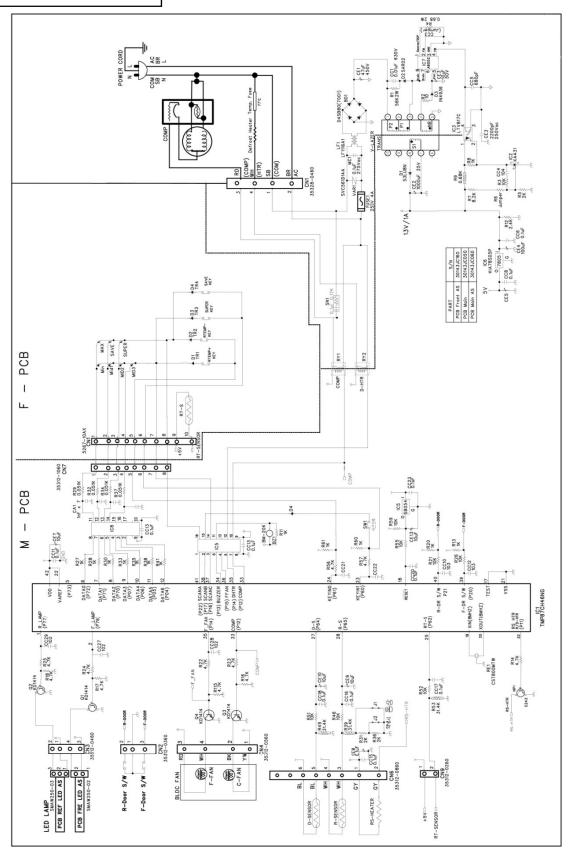
3. Cold Air Circulation



4. Wiring Diagram



5. PCB CIRCUIT DIAGRAMS



6. How To Replace The Parts

6-1. Freezer Louver Part

No	Photos	Description
1		- Remove 'Freezer Shelf' at first.
2		- Remove 4 screws on 'Freezer Louver'.
3		- Pull forward the 'Freezer Louver' Then disconnect 'Freezer Motor'.
4		- Disassemble the 'Cover Fan F AS' Be careful not to damage the hook.

6-2. Cover Fan F As

No	Photos	Description
1	Cover Fan B	- Remove 'Cover Fan B'.
2		- Replace 'Knob F Control'.

6-3. Freezer Motor As

No	Photos	Description
1		 Remove 2 screws. Remove Clamp Fan with pliers and then disassemble 'Fan' with (-) driver. Unscrew the earth wire bolt.
2	C	- Remove the screws holding the bracket.
3		- Now disassemble the 'Freezer Motor'.

6-4. Evaporator

No	Photos	Description
1		- Remove the screw which fixes evaporator.
2		- Pull forward the evaporator and pipes Be careful not to bend the pipes.
3	Defrost Heater	> Defrost Heater > - Disconnect 'Defrost Heater' lead wire on the right Disconnect 'Temperature Fuse' lead wire and 'Defrost Sensor' lead wire on the left Disassemble the 'Defrost Heater'.

6-5. M/Flow-Duct

No	Photos	Description
1		- Remove 'Deco M/F Duct' with (-) driver Remove 'Cover sensor' with (-) driver.
2		- Disconnect 'R Senosr ' lead wire.
3		- Remove the screws on the 'Cover M/F Duct'.
4		- Separate Cover M/F Duct with Insulator.
5		- Disassemble the R 'Sensor '

6-6. LED Lamps

Freezer compartment LED lamp

No	Photos	Description
1		- Remove 'Freezer Lamp Window' Be careful not to damage the hook.
2		- Unlock the hook on the side of 'Fixture lamp' and disassemble the LED lamp Disconnect 'LED Lamp' lead wire.

Fresh Food compartment LED lamp

No	Photos	Description
1	HÖRLOW	- Remove 'Refrigerator Lamp Window' Remove the screw on the LED lamp.
2	FRESH (CONTRACTOR OF THE SHOP)	- Unlock the hook on the side of 'Fixture lamp' and disassemble the LED lamp Disconnect 'LED Lamp' lead wire.

6-7. Handle Installation

No	Photos	Description
1	Fixture	- Attach the 'Fixture' on the cabinet and Screw the bolt.
2	Top	- Align door handle with fixture and pull the handle down (Be careful the direction)
3		- Fasten the screw in the hold of handle.

6-8. Front PCB

No	Photos	Description
1	DAEWOO TOPPLANING RAPIS COOL 1695 Sept.	- Unlock the hook on the botton of the 'Front PCB ' with (-) driver.
2	DAEVOO Same Same	- Disassemble the 'Front PCB'.
3	See de section de l'action de	- Disconnect 'Front PCB' lead wire.

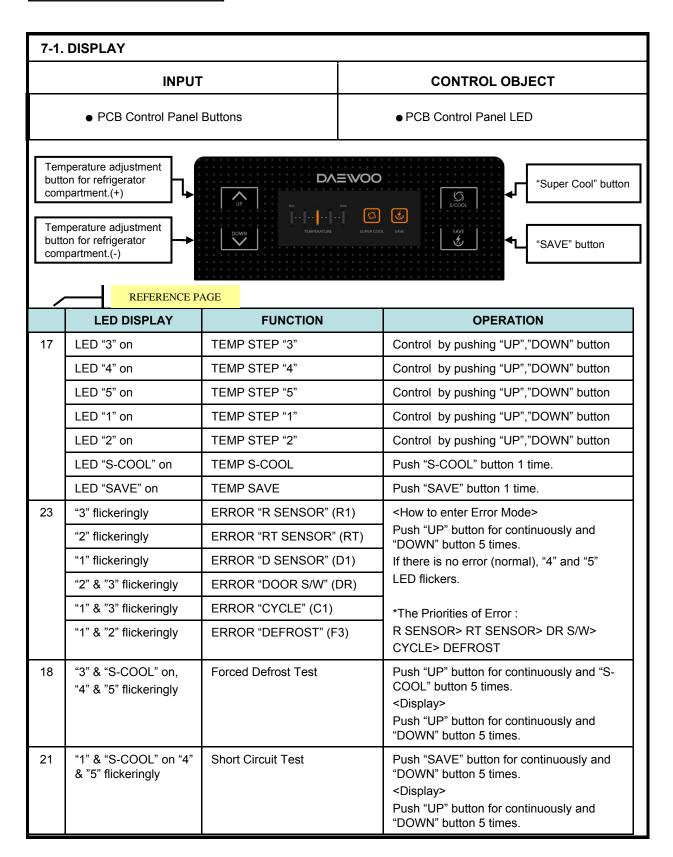
6-9. MAIN PCB

No	Photos	Description
1		-Remove the screws and disassemble the 'Grille As'.
2		- Remove the screws and disassemble the 'Box Main PCB As'.
3		- Disconnect Hosings on the 'Main PCB'.

6-10. Water Dispenser

No	Photos	Description
1		- Push the 'Stopper Water Tank', then pull and remove the 'Water Tank As'.
2	*COOL & WICH L	- Remove the screws on the bottom of 'Panel Dispns As'.
3	COL 6 WC	- Disassemble the 'Panel Dispns As'.

7. PCB CONTROL FUNCTION



7-2. Temperature Control of Refrigerator Compartment			
INPUT CONTROL OBJECT			
PCB Control Panel "TEMP" ButtonsR-sensor	PCB Control Panel LEDCOMPRESSOR, FAN		

A. "TEMP UP, DOWN" Button

- ⓐ Temperature control of Refrigerator compartment
- **b** 5 step mode of successive temperature mode
- © Initial mode by power input: step "3"
- ① Temperature will be set if the button doesn't get pressed again within 5 sec.
 - ***** Whenever pressing "UP" button, setting is repeated in the order of "1" \rightarrow "2" \rightarrow "3" \rightarrow "4" \rightarrow "5" (LED LAMP ON)
 - ***** Whenever pressing "DOWN" button, setting is repeated in the order of "5" \rightarrow "4" \rightarrow "3" \rightarrow "2" \rightarrow "1" (LED LAMP ON)

B. Temperature of Refrigerator Control

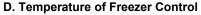
- ⓐ COMP and FAN will be controlled by the on/off condition of each mode.
- **(b)** Temperature Difference of Refrigerator each step:

Temperature Step	",	"1"		2"	"3	"	"4"	ı	"5"	
Temp. Diff. of Each Step 1.		1.0)°C	1.	0°C	1.	0°C	1	.0°C	-

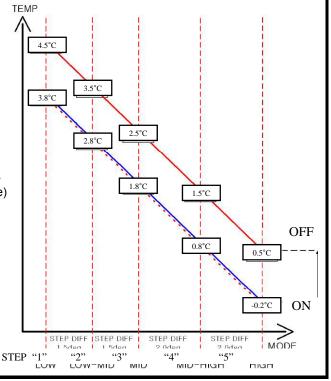
- © Temperature of Refrigerator at step "3" OFF point: 1.8°C
- d Refrigerator ON/OFF Temp. Difference: 0.7°C

C. "S-COOL" MODE

- ② Press S-COOL SWITCH and make S-COOL led lamp on.
- © COMP & FAN are on until R-sensor reaches to "Over Refrigeration OFF Point", -7°C
- ① After the reach of **-7°C**, STEP "5" mode continues.
- (b) When "S-COOL" MODE (Quick Refrigeration Mode) lasts for about 40 minutes, it returns to general operation mode.



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



7-3. Defrost Mode		
INPUT	CONTROL OBJECT	
■ Total COMP Work Time ■ COMP Working Rate ■ 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.
- (b) or, running rate of COMP (per 2hrs of total operation time) is more than 90%.
- © or, total door open time is over 3 minutes.
- @ or, ambient temperature (RT) is more than 40°C.
- **B.** Even if the above condition "A" is not satisfied,
- ⓐ Defrost mode starts immediately when total operation time of COMP is 14hrs.
- b 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

- a How to start: By conditions of defrost
- (b) Process :

General operation→

"PRE-COOL" \rightarrow Defrost Heater on \rightarrow Pause(10 min) \rightarrow 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.
- 50 minutes: Heater turns off after 50 minutes.
- d Heater Off: When the temperature at "D SENSOR" is over 10°C

	PRE-COOL	Defrost Mode	Pause
Compressor	ON	OFF	OFF
Fan	ON	OFF	OFF
Defrost Heater	OFF	ON	OFF

B. Forced Defrost Mode

- ⓐ How to start: by press "UP" button for continuously and "S-COOL" button 5 times.
- (b) Process: same as General Defrost Mode except "PRE-COOL"
 - ** Heater is on Initial 30 seconds even though the temp. at "D SENSOR" is over 10°C. (for TEST)
- © How to confirm: by press "UP" button for continuously and "DOWN" button 5 times. And then, the mode displays.
- @ Display : led lamps "3" & "S-COOL" on, "4" & "5" on/off continually

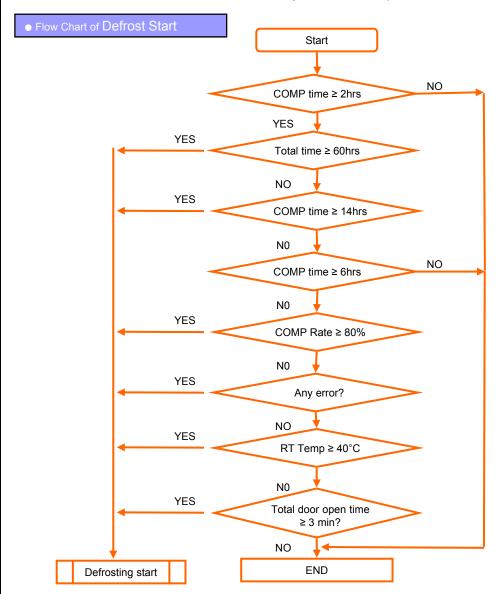
7-3. Defrost Mode INPUT CONTROL OBJECT Total COMP Work Time COMP Working Rate Total Door Open Time RT Defrost Mode

Initial Defrost

A. In providing initial power or returning power failure,

if the temperature at the D-sensor is under 3.5°C, Defrost Mode starts. (It proceeds from "PRE-COOL".) ["PRE-COOL" \rightarrow Heater on \rightarrow Pause(10 min) \rightarrow General operation]

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



7-4. Function of Low Ambient Temperature (RT)		
INPUT	CONTROL OBJECT	
●RT		

A. Condition of LOW RT

- ⓐ LOW RT Period : RT sensor ≤ 19°C
- (b) When the temperature of RT sensor is over 20°C, the system comes to be "General Operation Mode".
- © When the temp. of RT sensor is between 19°C to 20°C, the system keeps the previous mode.

B. Control

- (a) When Comp. is on, R-HTR is off.
- (b) When it passes 6 min after COMP is off, R- HTR is on.
- © COMP can't be on within 30 min after COMP is off.
 - ** COMP doesn't work at the steps "Heater On" and "Pause" of "Defrost Mode".
 If COMP comes to be off for "Low Room Temp" in the steps, it seems to take over 30 minutes.
- d Change of "Prevention Time of COMP Restart":

If satisfy the following conditions simultaneously, the time changes 6 minutes.

- Accumulated running time of COMP passes 20 seconds after COMP is off.
- R-Sensor is more than 'ON' Point TEMP.
- When it is not the mode of LOW ROOM TEMP
 or RT-Sensor is on ERROR (open or short), R-Sensor HTR is off.
- f Function of R-Heater Inspection:

After initial power is on, R-HTR is on/off 5times for 10 seconds.

9 When D-HTR is on, R-HTR is on.

7-5. 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.)

- **A.** General operation (Temp. at the RT sensor $\geq 20^{\circ}$ C): The COMP can't be on within 6 min.
- **B.** Operation of LOW RT (Temp. at the RT sensor $\leq 19^{\circ}$ C):

The COMP can't be on within 30 min.

(But the COMP can be on after 6min when the doors open more than 20 seconds.)

7-6. Buzzer Sound		
INPUT	CONTROL OBJECT	
	Buzzer	

- A. Whenever "PCB Control Panel" button's pushed, the buzzer rings.
- **B.** After 2 minutes power's on, the buzzer rings 3 times.
- C. Time of Buzzer: Forced Defrost Mode (3 times), Short Circuit Test (1 time)
- D. When door opens, the buzzer rings every 1 minute for 5 minutes.

7-7. Short Circuit Test INPUT CONTROL OBJECT • "SAVE, DOWN" Button • COMP & FAN

- A. How to start: by pressing "SAVE" button for continuously and "DOWN" button 5times continuously.
- **B.** How to confirm: by pressing "UP" button for continuously and "DOWN" button 5 times. And then, the mode displays.
- C. How to control:
 - (a) COMP & FAN will be on independent of the operating condition. (There is no defrost mode on this test.)
 - (b) It is available to restart the test and it'll be take 30 hours.
- **D.** CANCEL: after the limit test time 30 hours passes.
- E. DISPLAY: LED lamp "1" and "S-COOL" are on and "4" & "5" are flickeringly.

7-8. Time Reduction		
INPUT	CONTROL OBJECT	
• "FAST KEY"	Buzzer	

A. HOW TO REDUCE

- (a) 1 min : Click FAST KEY one time on MAIN PCB.
- ⓑ 30 min: If you press FAST KEY continuously, you can reduce 30 minutes on each 2.5 seconds with buzzer.
- **B.** Practice Use: Can be applied to reduce needless time on test.
 - EX) function of stop for 6 min

7-9. Demonstration Function			
INPUT	CONTROL OBJECT		
● "S-COOL" +"SAVE" Buttons	Display Panel		

- A. START: by pressing "S-COOL" and "SAVE" buttons for 5 seconds.
- B. CONTROL:
 - ⓐ All electronic compartments are off except "Display Panel".
 - ⓑ When "DEMO" mode works, led lamps will be on as next steps.

["1"
$$\rightarrow$$
 "2" \rightarrow "3" \rightarrow "4" \rightarrow "5" \rightarrow "1"]

D. CANCEL:

Push again "TEMP" and "S-COOL" buttons for 5 seconds at "DEMO", or turn off power and restart.

7-10. Control of R-sensor OFF Point		
INPUT	CONTROL OBJECT	
• "J1" On Main PCB	● Control Resistance of R sensor OFF Point	

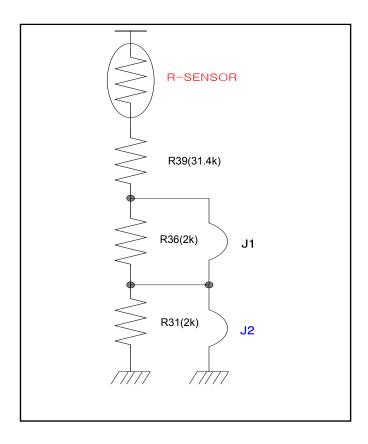
A. LOW COOLING OPTION

- When the refrigeration of refrigerator is poor or weak though Fan and COMP are working continuously, the following actions are recommended for service.
 - Resistance (R39): Default resistance (31.4Kohms)
 - Resistance (R36): Cut the "J1" off to reduce basic resistance by 1.5°C. (2KΩ up)
 - Resistance (R31): Cut the "J2" off additionally to reduce basic resistance by 1.5°C. (total 4KΩ up)

R39 = R-SENSOR OFF point

R36 + R39 = R-SENSOR OFF point - 1.5°C

R31 + R36 + R39 = R-SENSOR OFF point - 3°C



7-11. Error Display		
INPUT	CONTROL OBJECT	
● PCB Control Panel Buttons ● Door	● LED Lamp	

- ERROR DISPLAY

- To confirm error happens or not, push "UP" button for continuously and "DOWN" button 5 times.
- To stop the Error Display Set, push "SAVE" button 1 times, or wait 4 minutes.
- After operations back to normal, the displays come to be reset.

A. R1 ERROR

(It happens when R-Sensor is OPEN or SHORT)

- a DISPLAY : STEP "3" LED is on & off continually.
- **b** CONTROL:
 - Controlled by the following condition of RT
 - When "RT ERROR" happens at the same time, "COMP. ON/OFF Operating Time" is 16min/24min.

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

© CANCEL: when R-Sensor is working normally.

B. RT ERROR

(It happens when RT-Sensor is OPEN or SHORT)

- (a) DISPLAY: STEP "2" LED is on & off continually.
- (b) CONTROL: Delete the conditions of "RT-sensor Control" and operate normally.
- © CANCEL: when RT-Sensor is working normally.

C. D1 ERROR

(It happens when D-Sensor is OPEN or SHORT)

- (a) DISPLAY: STEP "1" LED is on & off continually.
- **(b)** CONTROL: Return to next limit defrost time (40 min)
- © CANCEL: when D-Sensor is working normally.

D. DR ERROR

(It happens when the system senses door opens more than 1 hour.)

- ⓐ DISPLAY: STEP "2", "3" LED Lamps are on & off continually.
- **(b)** 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 -5°C, Comp operates over 3 hrs)

- ⓐ DISPLAY: STEP "1" & "3" LED Lamps are on & off continually.
- **(b)** CONTROL: The system is normally operating
- © CANCEL : When Comp is off, D-Sensor is less than -5°C.

F. F3 ERROR

(Return to next limit defrost time (50 min))

- 6.1- DISPLAY: STEP "1" & "2" LED Lamps are on & off continually.
- 6.2- CONTROL: At Defrost Mode, Deletion of "PRE-COOL" Mode.
- 6.3- CANCEL: Completion of defrost returned by D-Sensor.

CODE	LED	ERROR
R1	"3"	R sensor
RT	"2"	RT sensor

flickeringly

Depreor

(Unit: min)

Π1

וט	'	D 3011301
DR	"2", "3"	DR Switch
C1	"1". "3"	Cvcle

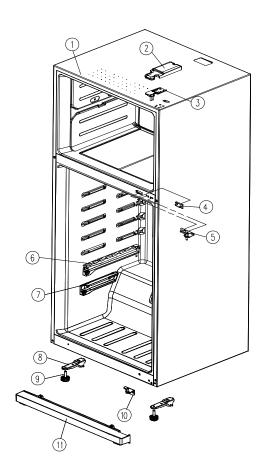
F3	"1", "2"	Defrost

***** To Confirm Errors:

Push "UP" for continuously and "DOWN" button 5 times.

** The Priorities of Error : $R1 \rightarrow RT \rightarrow D1 \rightarrow DR \rightarrow C1 \rightarrow F3$

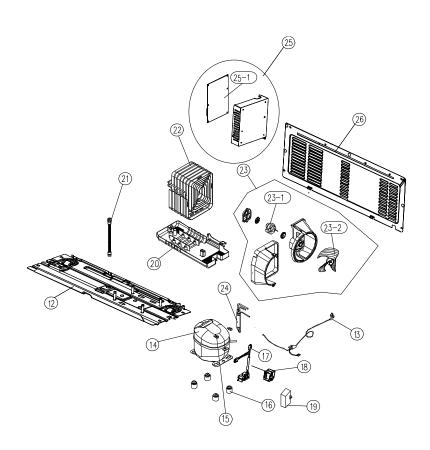
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NO	PART-CODE	PART NAME	SPEC.	Q'ty
1	3000066310	ASSY CAB URT	FRP-510,DIGITAL	1
2	3001445400	COVER *T HI	PP J-370A, FRP-512	1
3	3012935400	HINGE *T AS	SHP1 2.6T, FPR-512	1
4	3018100010	SWITCH DR	2 BUTTON/4P,DSD-5	1
5	3012935500	HINGE *M AS	SHP1 4T MFZN FRP-512	1
	3012543200	GUIDE C/C *L AS	FRP-512, GUIDE+ROLLER	1
6	3012543300	GUIDE C/C *R AS	FRP-512, GUIDE+ROLLER	1
7	3012543400	GUIDE V/CASE *L AS	FRP-512, GUIDE+ROLLER	1
/	3012543500	GUIDE V/CASE *R AS	FRP-512, GUIDE+ROLLER	1
8	3016502800	CASTER *F AS	FRP-512, T2.6	2
9	3012105101	FOOT ADJ AS	PP(BLACK)	2
10	3012935600	HINGE *U AS	SHP1 5T, FRP-512	1
11	301149A500	COVER CAB BRKT *F	FRP-512, PP J-370A	1

- Some parts can be chaged for improving their perfomance without notice.

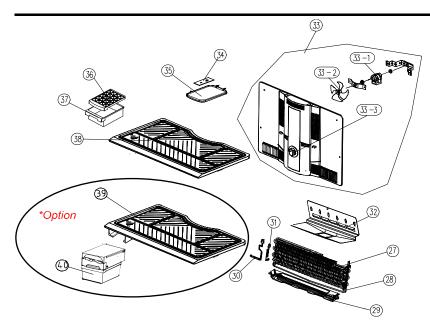
Date	A mendment Note

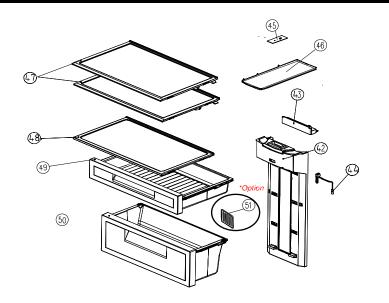


NO	PART-CODE	PART NAME	SPEC.	Q'ty
12	3010345201	BASE COMP AS	FR-B512FH	1
13	OPTION	CORD POWER AS	-	1
	3956126S51		HPL26YH-5-K, 220-240V/50HZ	2
	3956112250	COMPRESSOR	DG125E11RAW5 220-240V/50HZ	1
4.4	3956183Q5B		MK183Q-L2UB/DW2 220-240V/50HZ	1
14	3953158K20		YX58LHE2 127V/60HZ	1
	3953158K30		YF58LHE3 110V/60HZ	1
	3956162D4A		MK162B-LIUA 220V/60HZ	1
15	3016007000	SPECIAL WASHER	SBHG T0.6	4
1/	3010101600	ABSORBER COMP	R-134a	4
16	3010101480	ABSORBER COMP AS	R-600a	4
	3018134300		DW HPL26YH	1
	3018129650		Panasonic(R600a)	1
17	3018130620	SWITCH P RELAY AS	S/S MK183Q	1
	3018130640	1	DW YX58LHE2/3	1
	3018130650		S/S MK162B	1
	3811400503		DW HPL26YH / DW YX58LHE2/3	1
18	3811402100	COVER RELAY	S/S MK183Q / MK162B	1
	3001410000		Panasonic DG125E11RAW5	1
	3016406100		400V 5UF /HPL26YH, MK183Q	1
	3016405800		350V 4UF/Panasonic(R600a)	1
19	3016405900	CAPACITOR RUN	350V 5UF S/S MK162B	1
	3016405020		250V 12UF DW YX58LHE2/3	1
20	3011190910	CASE VAPORI AS	FRP-512	1
21	3012513950	HOSE DRN B	PVC	1
22	3014467230	PIPE WICON AS	FRP-512	1
23	3018410140	MOUTHBELL AS	FR-B512FH(DC12V)	1
23-1	3015914110	MOTOR C FAN	D4612AAA27 12V 1000RPM	1
23-2	3011836300	FAN	ABS(OD150)	1
24	3016808100	DRYER AS	SBS 12G	1
25	3010576900	BOX M/PCB AS	FRP-512 BOX+M-PCB	1
25-1	30143JC060	PCB MAIN AS	FR-1, 197X122-1.6T	1
26	3012407000	GRILLE AS	GRILL+SEAL	1

- Some parts can be chaged for improving their perfomance without notice.

Date	A mendment Note

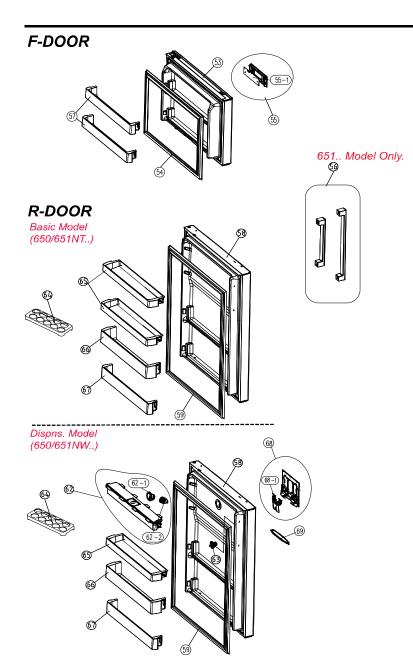




NO	PART-CODE	PART NAME	SPEC.	Q'ty
27	3017065500	FIVA AC	FRP-510	1
27	3017068300	EVA AS	FRP-510(R600a)	1
28	3012823100	HEATER SHEATH AS	230V 200W R-600a	1
29	301281010	HEATER D AS	230V 250W R-134A	1
30	3017202700	FUCE TEMP AC	FR-B512FH	1
30	3017203220	FUSE TEMP AS	FR-510C(R600A)	1
24	3012767700	LIADAIECE D CENC	NBC-K43-D24(PBN-43) R-134a	1
31	3012767710	HARNESS D SENS	GERNERAL (OD8) TPYE R-600a	1
32	3012530800	GUIDE DRN	GL T0.4X550X240	1
0.0	3018927610	1011150 5 40	DC 12V	1
33	3018927630	LOUVER F AS	DC 12V +DECO	1
33-1	3015919500	MOTOR F FAN AS	DC12V	4
33-2	3011802700	FAN AS	FAN(OD110)+CLAMP	4
33-3	3013415000	KNOB F CONTL	HIPS, HI450	1
34	30143JC210	PCB FRE LED AS	4-LED FR-4 51X40-1.6T	1
35	3015519900	WINDOW F LAMP	FRP-512, PS MF-1-301	1
36	4010G56012	CASE ICING	Option	1
37	4017Z99112	CASE ICE	Option	1
38	3017853400	SHELF F	FRP-512, PS MF-1-301	1
39	3017859400	SHELF F AS	SHELF+FRAME I/CASE	1
40	3010518900	BOX ICE	GPPS	1
	3001443900		FRP-512	1
42	3011660700	COVER M/F DUCT AS	GPPS+DECO	1
43	3012542500	GUIDE DRN *O	FRP-512 HIPS HI450	1
44	3014810300	SENSOR R AS	HARNESS+SENSOR FRP-512	1
45	30143JC220	PCB REF LED AS	6-LED FR-4 172X20-1.6T	1
46	3015520000	WINDOW R LAMP	FRP-512, PS MF-1-301	1
47	3017853600	CUELE D AC	PP+GLASS INJECTION	2
47	3017853600 SHELF R AS	PP+GLASS INJECTION+DECO	2	
48	3017853300	SHELF C/C AS	PP+GLASS INJECTION FRP-512	1
49	301119A800	CASE CHILD AS	FRP-512	1
50	301119AG00	CASE VEGETB AS	FRP-512	1
51	301119AC00	CASE DECO	FRP-512 / J370A	1

- Some parts can be chaged for improving their perfomance without notice.

Date	A mendment Note



NO	DART CODE	PART NAME	CDEC		Q	ty		
NO	PART-CODE	PART NAME	SPEC.	650NT	650NW	651NT	651NW	
	300009C700		TITANIUM PCM	1	1	Χ	Χ	
	300009C710		TITANIUM ELLIO	1	1	Χ	X	
	300009C720		M/WHITE EMBO	1	1	Χ	Χ	
53	300009C730	ASSY F DR	TITANIUM VCM	1	1	Χ	Χ	
53	30100B5300	ASST F DR	TITANIUM PCM	Х	Χ	1	1	
	30100B5310		TITANIUM ELLIO	Χ	X	1	1	
	30100B5320		M/WHITE EMBO	Χ	X	1	1	
	30100B5330		TITANIUM VCM	Х	Χ	1	1	
54	3012320200	GASKET F DR AS	PVC, GRAY	1	1	1	1	
55	3014249700	PANEL *F CONTL AS	FRP-512	1	1	1	1	
55-1	30143JC160	PCB FRONT AS	2010 510 PCB FRONT	1	1	1	1	
56	3012655900	HANDLE PAKG AS	NO PAINT	Х	Χ	1	1	
57	3019064300	POCKET F	PC MF-1-301 FRP-512	2	2	2	2	
	300009C850		TITANIUM ELLIO	1	Χ	Χ	Χ	
İ	300009C860		M/WHITE EMBO	1	Χ	Χ	Χ	
İ	300009C870	ASSY R DR	TIANIUM VCM	1	Х	Х	Х	
	300009C880		TITANIUM ELLIO	Х	1	Χ	Χ	
Ī	300009C890		M/WHITE EMBO	Х	1	Χ	Χ	
50	300009C8A0		TIANIUM VCM	Х	1	Χ	Χ	
58	300009C840		TITANIUM ELLIO	Х	Χ	1	Χ	
	300009C8B0		M/WHITE EMBO	Х	Х	1	Χ	
	300009C8C0		TIANIUM VCM	Х	Х	1	Χ	
	300009C8D0		TITANIUM ELLIO	Х	Х	Х	1	
	300009C8E0		M/WHITE EMBO	Х	Х	Х	1	
	300009C8F0		TIANIUM VCM	Х	Χ	Χ	1	
59	3012320300	GASKET R DR AS	PVC, GRAY	1	1	1	1	
62	3018202100	TANK WATER AS	FRP-513	Х	1	Х	1	
62-1	3014008800	PACKING DISPNS HOLDER	SILICON KCC0160 FRP-516	Х	1	Χ	1	
62-2	3015407000	VALVE WATER	FRP-513	Х	1	Х	1	
63	3015206400	STOPPER W/TANK *R	ABS SG0760, FRP-513	Х	1	Χ	1	
64	3011190800	CASE EGG TRAY	GPPS	1	1	1	1	
65	3019064700	POCKET EGG	FRP-512 PS MF-1-301	2	1	1	2	
67	3019064900	POCKET JUMBO	PC MF-1-301 FRP-512	1	1	1	1	
68	3014250500	PANEL DISPNS AS	PANEL+LEVER FRP-512	Х	1	Х	1	
68-1	3013703300	LEVER DISPNS	PC FRP-513	Х	1	Х	1	
69	301119AD00	CASE DISPNS DRN	ABS SG0760, FRP-513	1	1	1	1	