

DAEWOO
ELECTRONICS



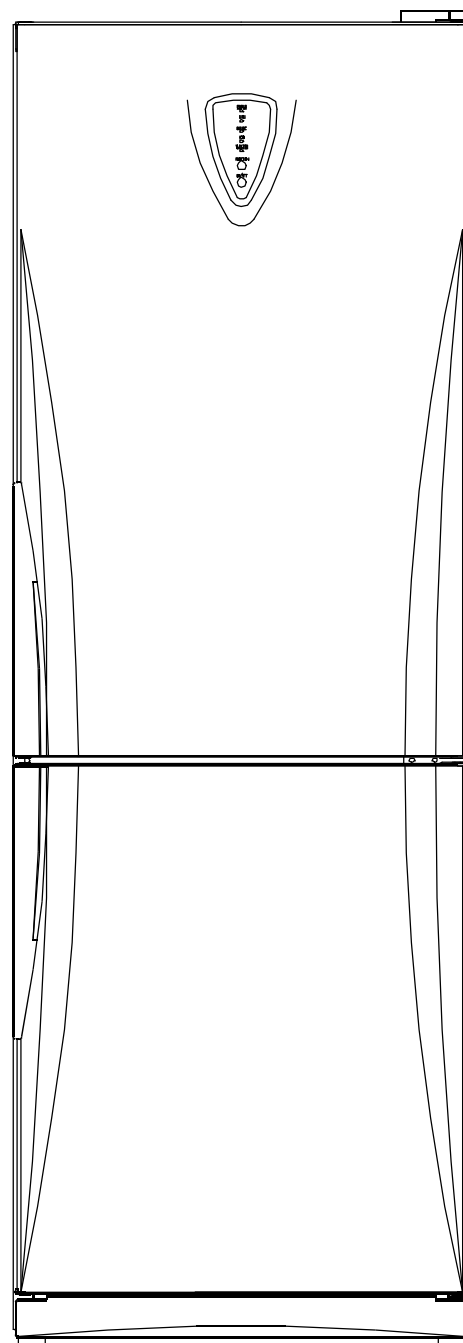
Service Manual

No-Frost

Combi-Refrigerator

Models:

ERF-386A



DAEWOO ELECTRONICS
MANUFACTURING ESPAÑA, S.A.

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1. SPECIFICATIONS

Model name		386A					
Division		Full A					
Refrigerant type		R-134A					
Refrigerant Q'ty		100 grs					
Blowing agent		C-PENTANE					
Cooling system		Fan cooling system					
Defrost system		Automatic start & Automatic stop system					
Compressor		Sanyo CBE-140L5Z					
Rated voltage		AC220~240V / 50Hz					
Rated input (A)		0.42A					
Lamp rated input (W)		15					
Gross capacity (liter)	Freezer	109					
	Refrigerator	218					
	Total	327					
External dimension (mm)	Height	1869					
	Width	600					
	Depth *	642					
Energy class		A					
Freezing capacity(kg/24h)		5					
Star rating		* ***					
Climate class		N					
Net weight (kg)		72					

REMARKS:

* Depth exception handle

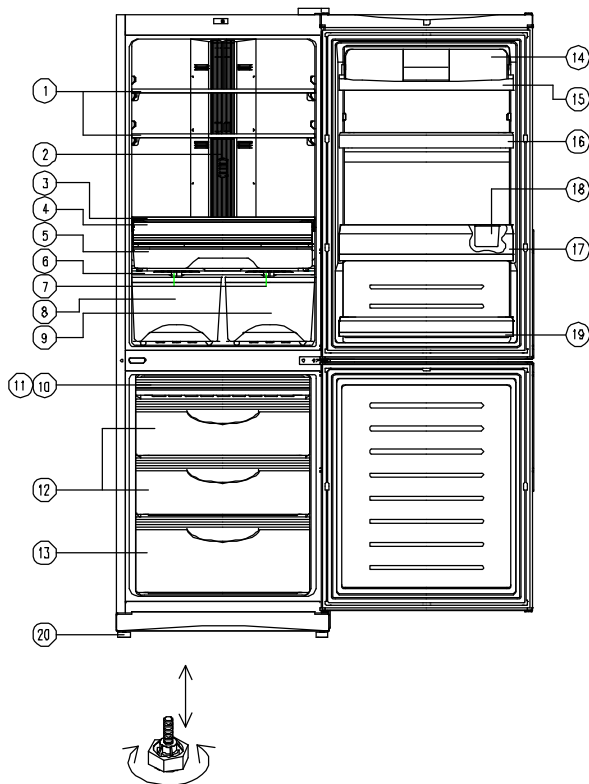
* Division: Full A = Full automatic

1.2. Types of the approved safety standars



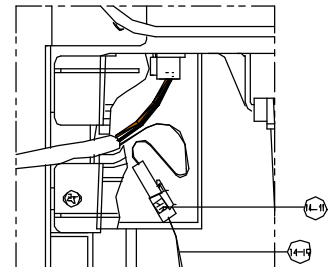
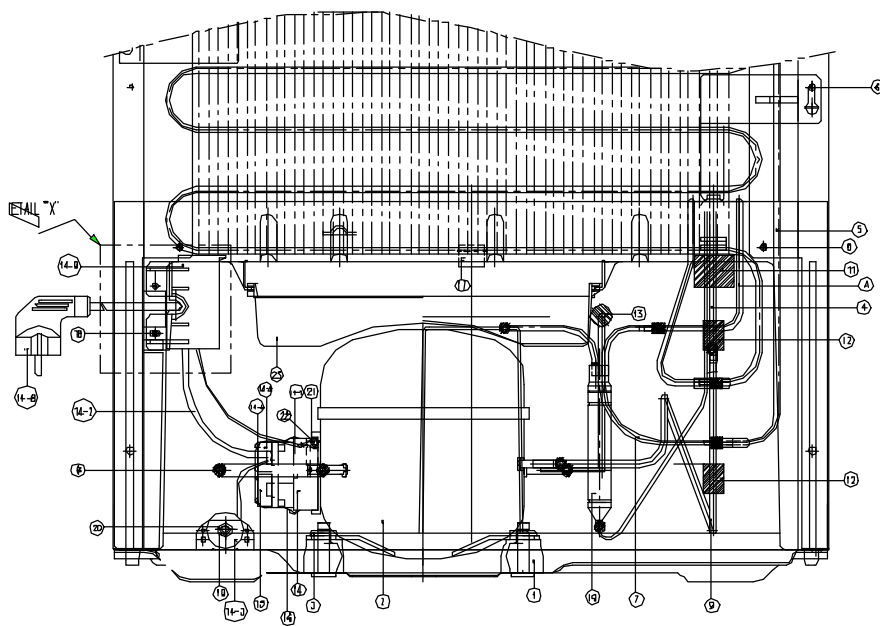
2. EXTERNAL DRAWINGS

2.1. ERF-386A

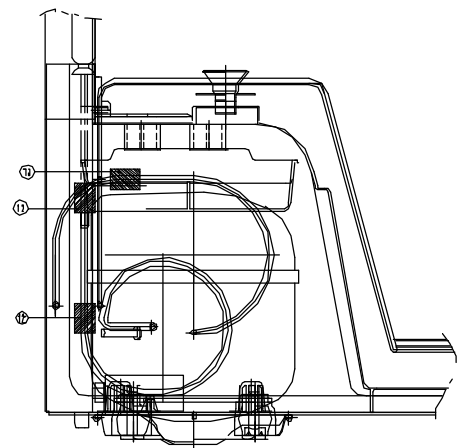


1. Shelves (ERF-386A : 3EA)
2. Multi duct
3. Shelf of low temp compartment
4. Door of low temp compartment
5. Low temp compartment
6. Cover vegetable
7. Knob humidity
8. Vegetable case "L"
9. Vegetable case "R"
10. Case f "D"
11. Case icing (In "case f d")
12. Case f "C" (2EA)
13. Case f "A"
14. Cover dairy
15. Dairy pocket
16. Pocket "R"
17. Bottle pocket
18. Guide bottle pocket
19. Multi pocket
20. Adjustable foot

3. MACHINE ROOM VIEW

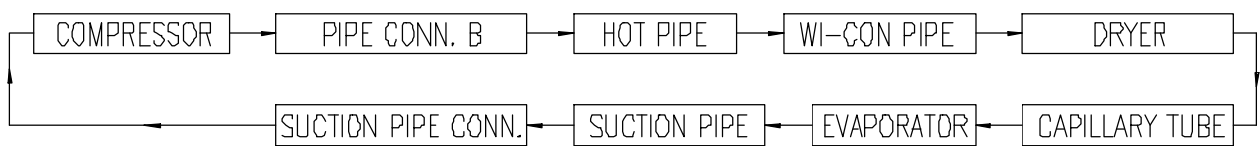
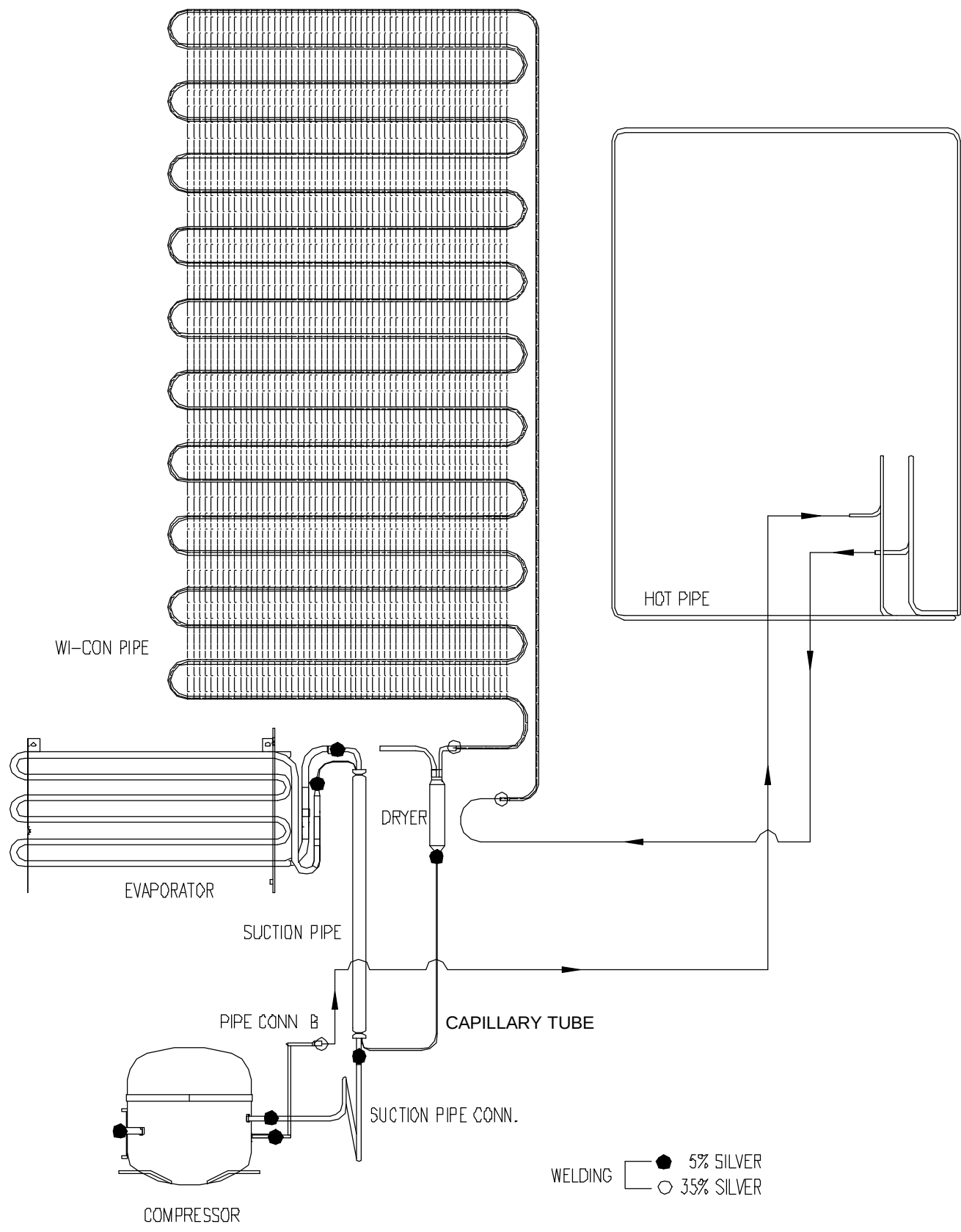


DETAIL "X"



No.	PART NAME	No.	PART NAME	No.	PART NAME
A	PIPE HOT	14	BOX RELAY AS	17	CAP DRAINER
1	ABSORBER COMP	14-1	BOX RELAY	18	SCREW TAPPING
2	COMPRESSOR	14-2	HARNESS RELAY	19	SPECIAL WASHER R/C
3	FIXTURE COMP	14-3	CAPACITOR RUN AS	20	SPECIAL NUT R/C
4	EVAPORATOR AS	14-4	CABLE CLAMP	21	SPECIAL WASHER
5	PIPE W-CONN AS	14-5	SCREW TAPPING	22	SCREW MACHINE
6	SPECIAL SCREW E	14-6	SWITCH P RELAY PTC	23	CASE VAPORI
7	PIPE CONN B	14-7	SWITCH P RELAY OL		
8	PIPE CHARGE	14-8	CODE POWER AS		
9	PIPE SUC. CONN	14-9	COVER ME HOUSING		
10	DRYER AS	14-10	HARNESS EARTH		
11	ABSORBER PIPE B (GUM)	14-11	LABEL EARTH		
12	ABSORBER PIPE C	15	RELAY COVER		
13	ABSORBER PIPE C	16	BAND RELAY		

4. REFRIGERANT CYCLE



5. TEMPERATURES DIAGRAM

Refrigerator

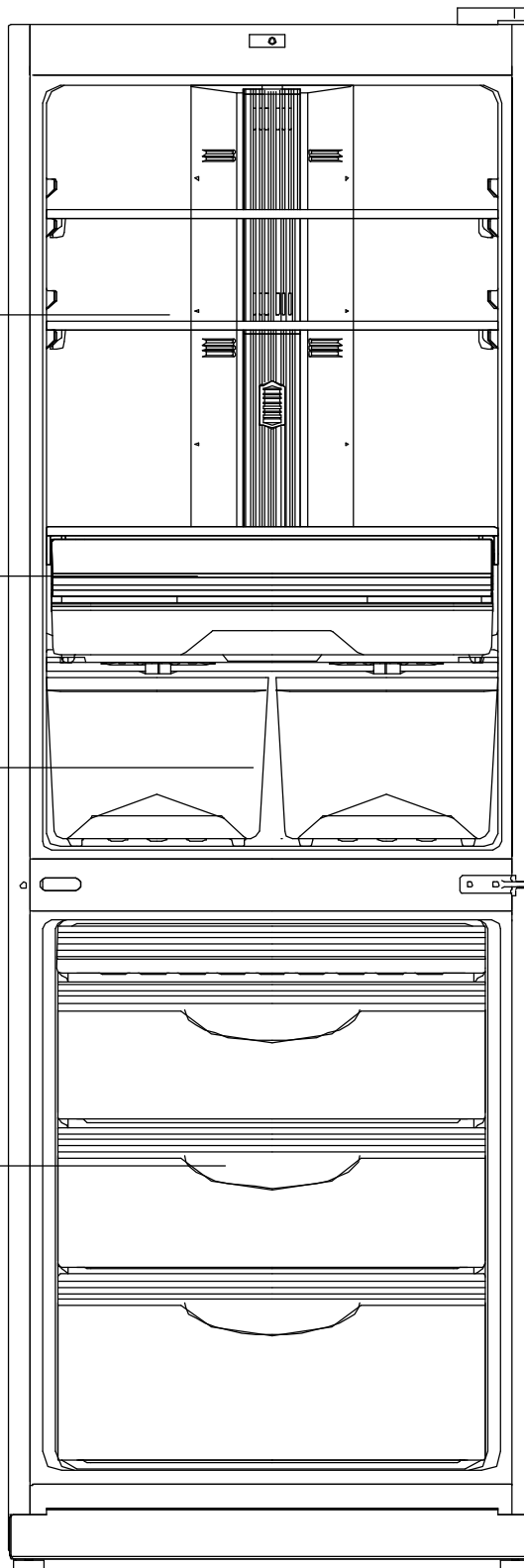
SUPER	: 0 °C
HIGH	: 1 °C
MID	: 3 °C
LOW	: 5 °C
VAC	: 6 °C

Low temp compartment : 3 °C

Vegetables compartment: 0 °C~5 °C

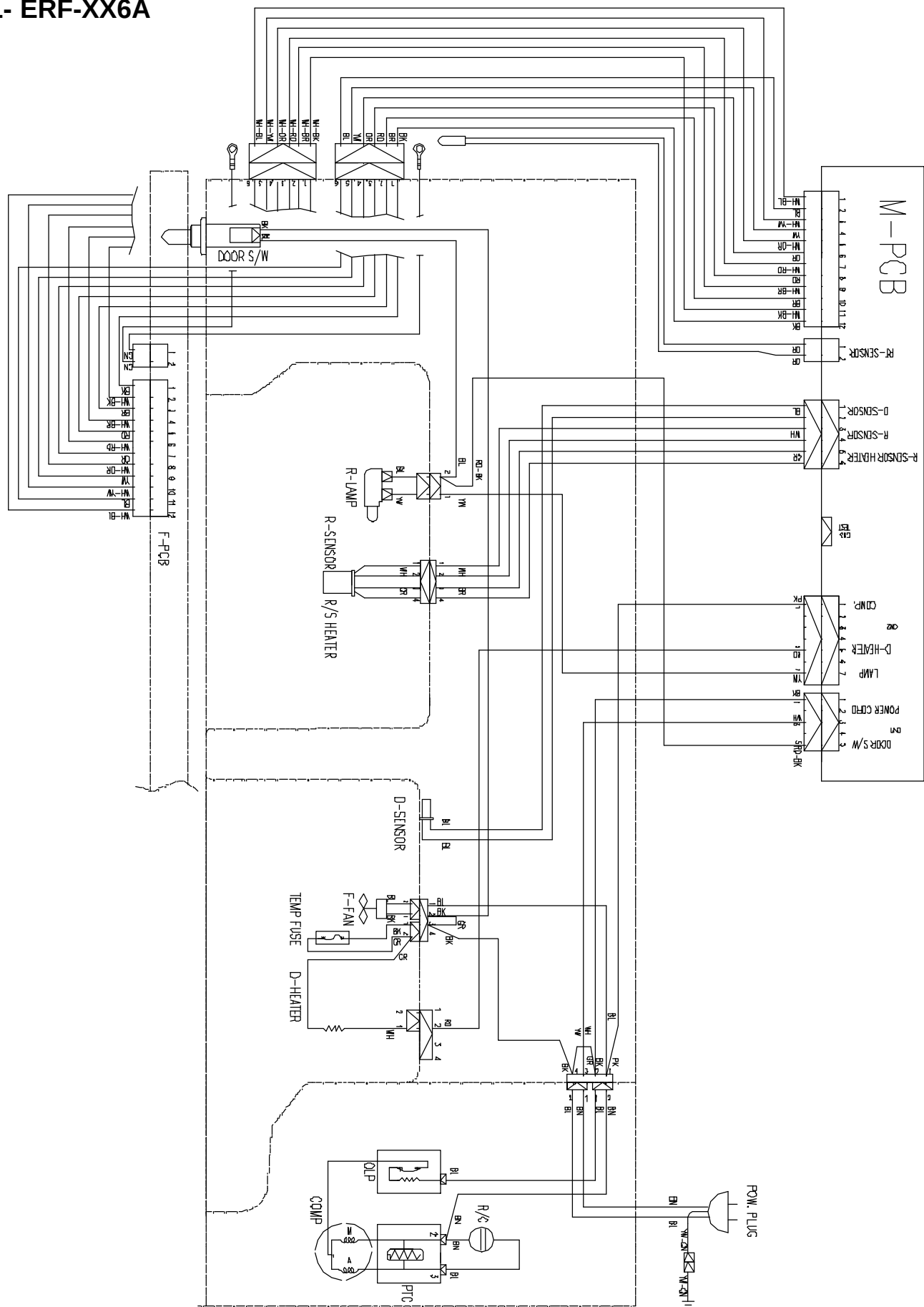
Freezer:

SUPER	: -23 °C
HIGH	: -22 °C
MID	: -20 °C
LOW	: -18 °C
VAC	: -16 °C

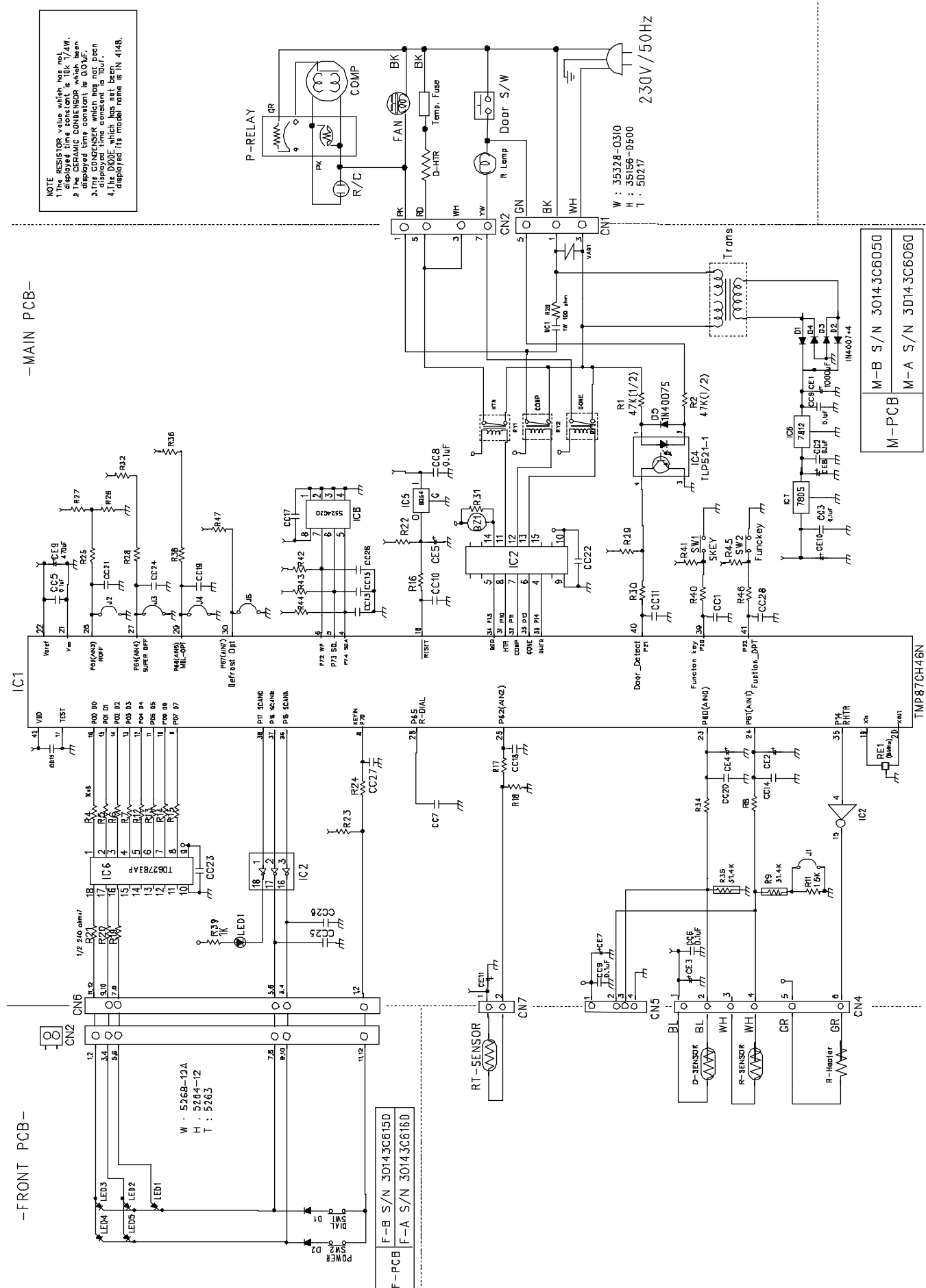


6. WIRING DIAGRAMS

6.1- ERF-XX6A

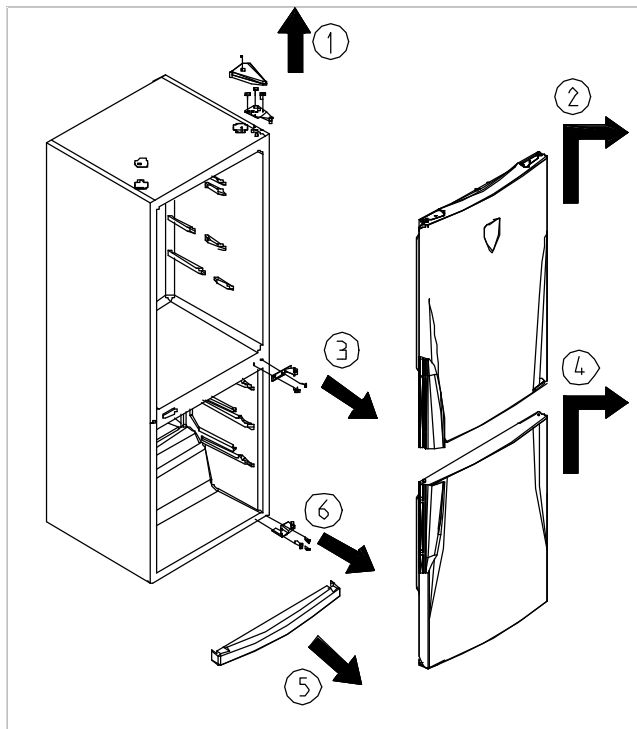


7.1- ERF-XX6A



8. DOOR POSITION CHANGE PROCESS

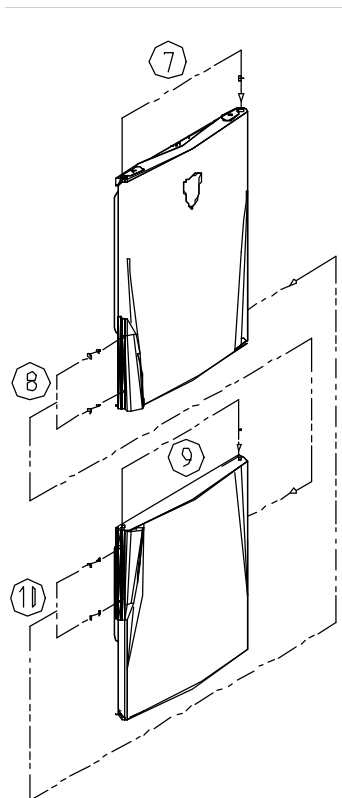
STEP 1 : Remove door



Follow to remove

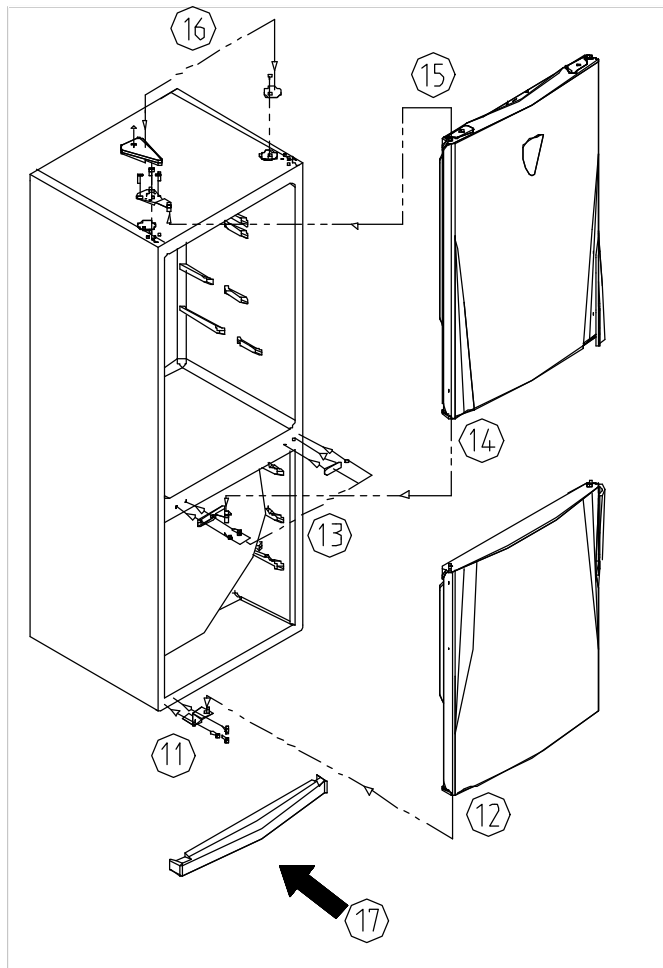
1. Remove “COVER HINGE” and “HINGE T”
2. Remove “R” door.
3. Remove “HINGE M”
4. Remove “F” door
5. Remove “COVER BRACKET”
6. Remove “HINGE U”

STEP 2 : Change door handle



7. Reverse the position of “COVER BUSHING”
8. Move “R DOOR HANDLE” to “F DOOR”
9. Reverse the position of “CAP DR BUSHING”
10. Move “F DOOR HANDLE” to “R DOOR”

STEP 3 : Change door open side



11. Attach the “HINGE U” on the left.

12. Attach the “F DOOR”

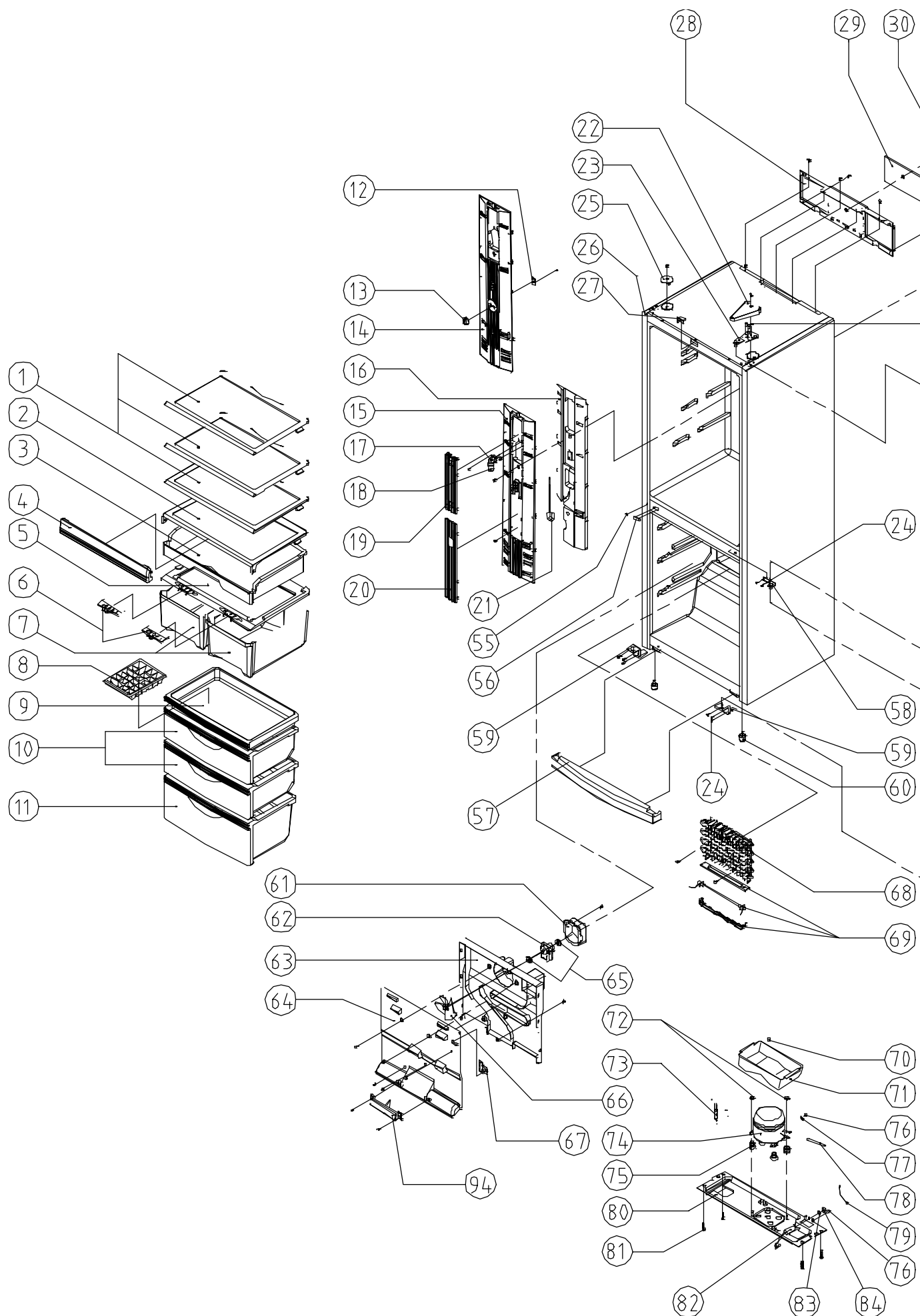
13. Reverse the position of “HINGE M” and
“CAP SCREW HOLE”

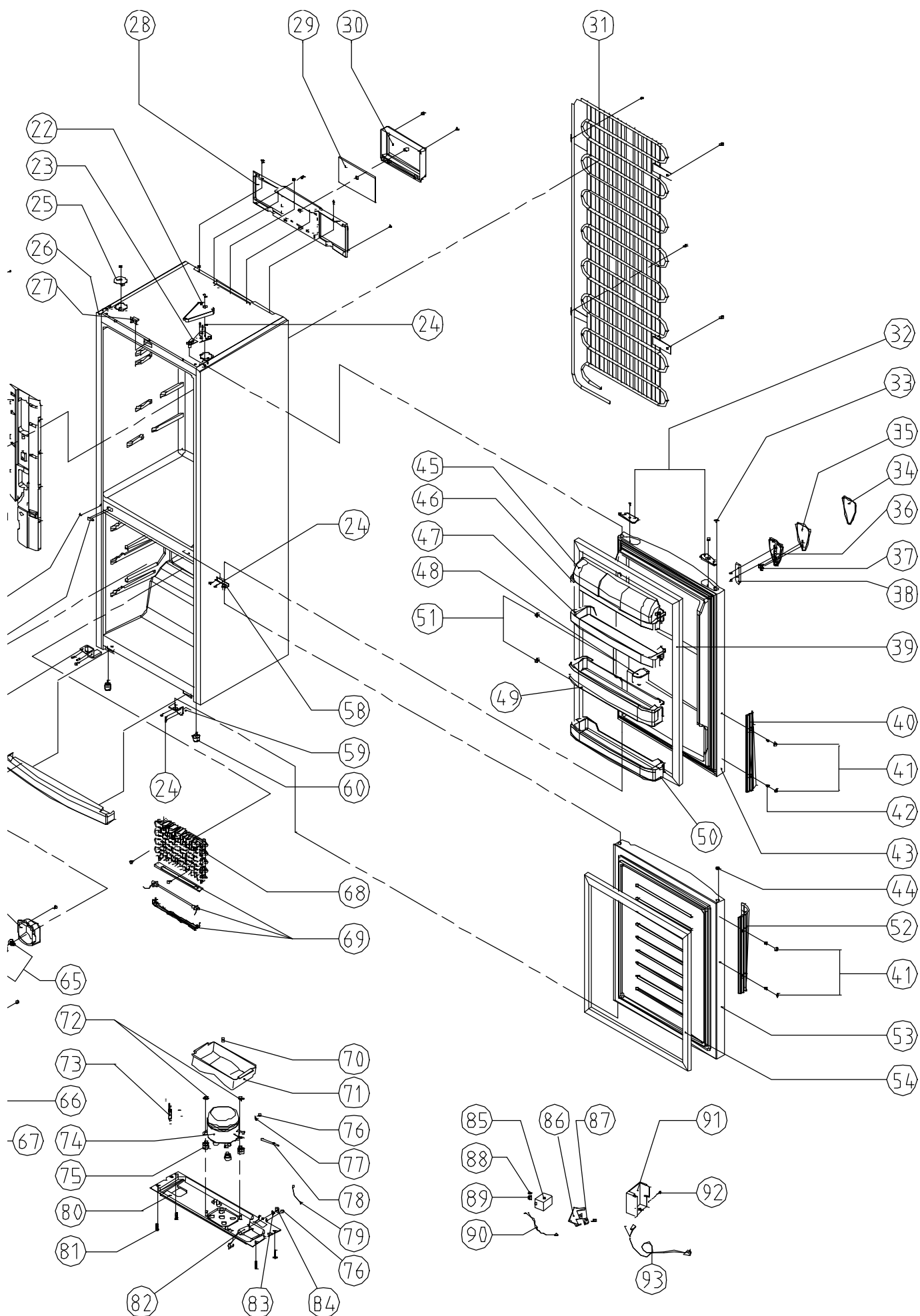
1. Attach the “R DOOR”

15. Attach the “HINGE T” on the left
of cabinet
after assembling to R DOOR”

16. Reverse the position of “COVER
HINGE”
and “COVER CAB HARNESS”

9. EXPLODE DRAWING





10. PARTS LIST

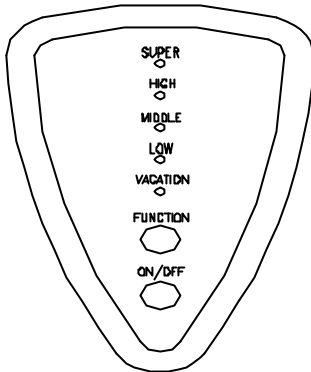
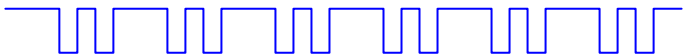
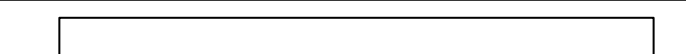
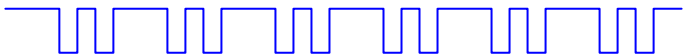
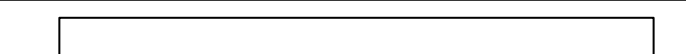
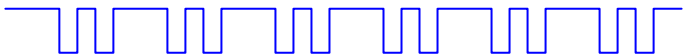
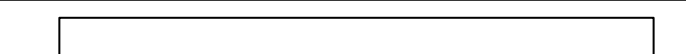
NO	PART NAME	PART CODE	ERF-386A							
1	SHELF GLAS AS		3017839400							
2	COVER GLAS C/C AS		3011497900							
3	CASE CHILD		3011181400							
4	DOOR CHILLED CASE		3011760500							
5	COVER VEGTB CASE		3011497700							
6	KNOB HUMIDITY		3013410800							
7	CASE VEGETABLE *L		3011181900							
	CASE VEGETABLE *R		3011182000							
8	CASE ICING		3011163200							
9	CASE F D		3011181800							
10										
	CASE F C AS		3011185000							
11	CASE F A AS		3011184800							
12	V-PCB AS		30143C6260							
15	COVER MULTI DUCT		3011495600							
16	INSU MULTI DUCT		3013353800							
17	SOCKET LAMP AS		3017903900							
18	LAMP		3013600700							
19	WINDOW R		3015510100							
20	DECO M/DUCT COVER		3011633200	-						
21	SENSOR R AS		3012731800	1	1	1	1	1	1	
22	COVER *T HINGE	DMS1494310		1	1	1	1	1	1	SNOW WHITE
		DMS1494320		1	1	1	1	1	1	03 SILVER
23	HINGE *T AS		3012922600							
24	SPECIAL BOLT C		3016004900							
25	COVER CAB HARNESS	DMS1477510		1	1	1	1	1	1	SNOW WHITE
		DMS1477520		1	1	1	1	1	1	03 SILVER
27	SWITCH DOOR	3011755200		1	1	1	1	1	1	WHITE
		3011762900		1	1	1	1	1	1	03 SILVER
28	BOX PCB	3010545300		1	1	1	1	1	1	03 SILVER
		DMS0545310		1	1	1	1	1	1	SNOW WHITE
29	M-PCB AS	30143C6060								
30	COVER PCB BOX	3011477600		1	1	1	1	1	1	03 SILVER
		DMS1477610		1	1	1	1	1	1	SNOW WHITE
31	PIPE WI-CON AS		3014434500							
32	COVER HRNS*R	3011477100		1	1	1	1	1	1	03 SILVER
		DMS1477110		1	1	1	1	1	1	SNOW WHITE
	COVER HRNS*L	3011477200		1	1	1	1	1	1	03 SILVER
		DMS1477210		1	1	1	1	1	1	SNOW WHITE
33	COVER BUSH	3011498200		1	1	1	1	1	1	03 SILVER
		DMS1498210		1	1	1	1	1	1	SNOW WHITE
35	WINDOW FCP A		3015509900							
36	PANEL *F CONTROL	3014234000		-	1	-	1	-	1	03 SILVER
		DMS4234010		-	1	-	1	-	1	SNOW WHITE

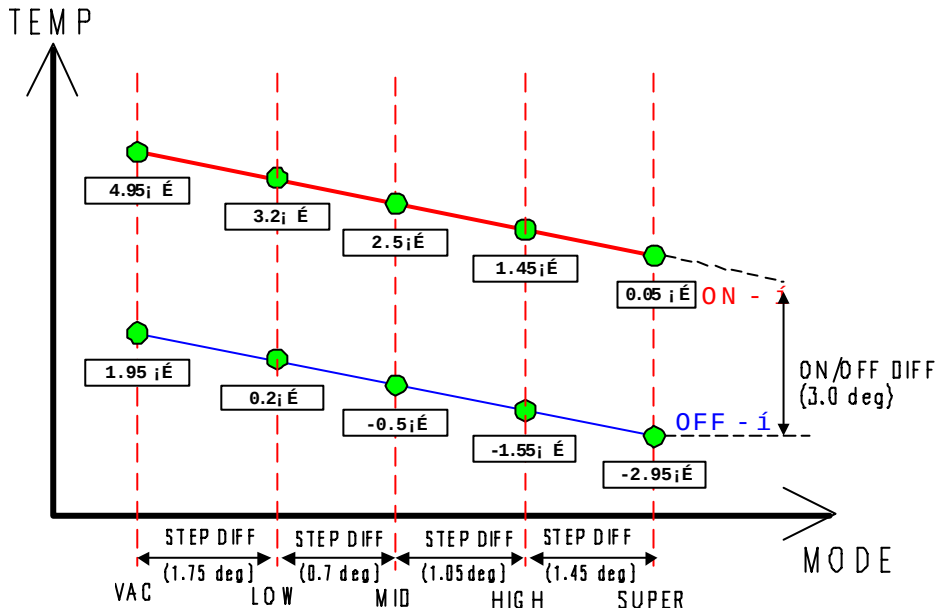
NO	PART NAME	PART CODE	ERF-386A							REMARK
37	BUTTON F-CP	3016304300								
38	F-PCB AS	30143C6160								
39	GASKET R DOOR AS	3012306600								
40	HANDLE R	3012640000	1	1	1	1	1	1	1	03 SILVER
		DMS2640010	1	1	1	1	1	1	1	SNOW WHITE
41	COVER HNDL SCREW	3011495200	4	4	4	4	4	4	4	03 SILVER
		DMS1495210	4	4	4	4	4	4	4	SNOW WHITE
42	SPECIAL SCREW	3016033600								
43	ASSY R DR A/S 386A SW	DMS0060000	-		-	-	-	-	-	GRIP S-WHITE
	ASSY R DR A/S 386A SV	DMS0060010	-		-	-	-	-	-	GRIP SILVER
	ASSY R DR AS 386A	DMS0060020								INOX
44	CAP DR BUSHING	3010967400	1	1	1	1	1	1	1	SNOW WHITE. S
		DMS0967420	1	1	1	1	1	1	1	03 SILVER
45	COVER DAIRY POCKET	3011495000	1	1	1	1	1	1	1	BLUE MILKY
46	POCKET DAIRY	3019025000								
47	POCKET R	3019025200								
48	GUIDE BOTTLE POCKET	3012523800	1	1	1	1	1	1	1	BLUE MILKY
49	POCKET BOTL AS	3019026100	1	1	1	1	1	1	1	BLUE MILKY
50	POCKET MULTI AS	3019026200	1	1	1	1	1	1	1	BLUE MILKY
51	CAP HANDLE	3010910000	4	4	4	4	4	4	4	SNOW WHITE
		DMS0910030	4	4	4	4	4	4	4	03 SILVER
52	HANDLE F	3012639800	1	1	1	1	1	1	1	03 SILVER
		DMS2639810	1	1	1	1	1	1	1	SNOW WHITE
53	ASSY F DR AS	DMS0062140								INOX
	ASSY F DR A/S 386 SW	DMS0062120	-	-	-	-	1	1	1	GRIP S-WHITE
	ASSY F DR A/S 386 SV	DMS0062130	-	-	-	-	1	1	1	GRIP SILVER
54	GASKET F DOOR AS	3012306700								
57	COVER CAB BR.	DMS1494920								INOX
55	CAP SCREW	3010920200	1	1	1	1	1	1	1	SNOW WHITE
57	COVER CAB BR	DMS0920220	1	1	1	1	1	1	1	03 SILVER
56	CAP SCREW HOLE	3010920300								
57	COVER CAB BRACKET	3011494900	1	1	1	1	1	1	1	SNOW WHITE
		DMS1494910	1	1	1	1	1	1	1	03 SILVER
58	HINGE *M	3012908002								
59	HINGE *U	DMS2908201								
60	FOOT ADJUSTING AS	3012101800								
61	BRACKET FAN MOTOR	3010615600								
62	MOTOR FAN AS	3011804710								
63	LOUVER F B	3018919000								
64	LOUVER F A	3018918800								
65	BUSHING FAN MOTOR	3010701800								
66	FAN	3011801410								
67	KNOB F LOUVER	3013410700								
68	EVAPORATOR AS	3017045600								
69	HEATER D AS	3012807651								
70	CAP DRAIN HOSE	3010919700								

NO	PART NAME	PART CODE	ERF-386A	MODEL						REMARK
71	CASE VAPORY		3011162700							
72	FIXTURE COMP		3012005300							
73	DRYER ASSY		3016802203							
74	COMPRESSOR		DMS0A00100							
75	ABSORBER COMP		3010103400							
76	SCREW MACHINE		DMS1B00100							
77	SPECIAL WASHER		DMS1B00200							
78	PIPE CHARGE		3014418211							
79	HARNESS EARTH		3012735220							
81	SPECIAL SCREW A		3016004300							
82	CAPACITOR RUN		DMS6402129							
83	SPECIAL WASHER R/C		DMS6006510							
84	SPECIAL NUT R/C		DMS6006410							
85	RELAY BOX		DMS0527900							
86	CLAMP CORD A		DMS1200100							
87	CLAMP CORD B		DMS1200200							
88	SWITCH P RELAY OL		DMS1A00100							
89	SWITCH P RELAY PTC		DMS1C00100							
90	HARNESS RELAY		3012731901							
91	COVER MECH HOUSING		3011454100							
92	SCREW TAPPING		7112401011							
93	CORD POWER AS		3011343340							
94	LOUVER F C		3018920700							

11. PCB CONTROL FUNCTION

11.1. ERF-XXXA

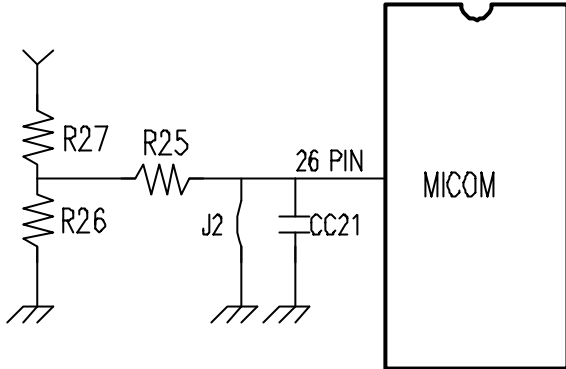
NO	FUNCTION	CONTENTS														
1.		 1) VAC STEP LED ON: WHEN TEMP CONTROL S/W IS PRESSED 1 TIME. 2) LOW STEP LED ON: WHEN TEMP CONTROL S/W IS PRESSED 2 TIMES. 3) MID STEP LED ON: WHEN TEMP CONTROL S/W IS PRESSED 3 TIMES. 4) HIGH STEP LED ON: WHEN TEMP CONTROL S/W IS PRESSED 4 TIMES. 5) SUPER STEP LED ON: WHEN TEMP CONTROL S/W IS PRESSED 5 TIMES. 6) ERROR LED DISPLAY (ON MAIN PCB) <table><thead><tr><th>DISPLAY</th><th>Led Output Wave Form</th></tr></thead><tbody><tr><td>D1 ERROR</td><td></td></tr><tr><td>D2 ERROR</td><td></td></tr><tr><td>R1 ERROR</td><td></td></tr><tr><td>RT ERROR</td><td></td></tr><tr><td>EP ERROR</td><td></td></tr><tr><td>DR ERROR</td><td></td></tr></tbody></table> ? FUNCTION DISPLAY - D1 ERROR : LED is off & on one time. - D2 ERROR : LED is off & on two times. - R1 ERROR : LED is on & off one time. - RT ERROR : LED is on & off two times. - EP ERROR : LED is on & off continually - DR ERROR : LED is on continually - FORCED DEFROST OF CONDITION:HIGH, LOW led Lamps are on - SHORT CIRCUIT OF CONDITION: SUPER, MIDDLE, VAC led Lamps are on	DISPLAY	Led Output Wave Form	D1 ERROR		D2 ERROR		R1 ERROR		RT ERROR		EP ERROR		DR ERROR	
DISPLAY	Led Output Wave Form															
D1 ERROR																
D2 ERROR																
R1 ERROR																
RT ERROR																
EP ERROR																
DR ERROR																

2.	TEMPERATURE ADJUSTMENT & CONTROL	1) TEMP. CONTROL SWITCH 1.1- TEMP. CONTROL When TEMP CONTROL button is pressed, the led lamps MIDLE - HIGH - SUPER - VAC -LOW - MIDDLE will be on in sequence. TEMPERATURE will be set if the button doesn't get pressed again within 5 sec 1.2- FORCED DEFROST: will be start when this button pushed for over 5 seconds continuously. 1.3- SHORT CIRCUIT OPERATION: will be started and stopped when this button pushed over 30 tmes. 2) TEMPERATURE CONTROL 2.1- COMP will be controlled by the on/off condition of each mode. 2.2- STEP DIFF of ROOM R : Vac/Low - 1.75 deg, Low/Middle - 0.7deg, Mid/High - 1.05deg, High/Super - 1.4 deg 2.3- OFF point of ROOM R in MID position: -0.5°C 2.4- ON/OFF DIFF of ROOM R: 3°C  3) FORCED DEFROST 3.1- Defrost mode will be Started independent of the cycle. 3.2- The flow is same as the general defrost mode flow. 4) SHORT CIRCUIT OPERATION 4.1- COMP & FAN will be on independent of the operation condition. 4.2- The time limit of SHORT CIRCUIT OPERATION: 60 hrs
3.	VACATION	- Press TEMP. CONTROL SWITCH and make VAC led lamp on. ON POINT: 4.95°C OFF POINT: 1.95°C

4.	SUPER	- Press TEMP. CONTROL button and make SUPER led lamp on. ON POINT: 0.05°C OFF POINT: -2.95°C																													
5.	Determination of DEFROST	1) Starting condition of Defrost Mode 1.1- When accumulated running time of comp. Is 8, 10, 12, 18, 30hrs. 1.2- After Checking the condition '1.1' if total time (COMP on time + COMP off time) is more than 24, 36, 48, 72hrs, then defrost mode starts immediately. <table><tr><th rowspan="2">RT-SENSOR</th><th colspan="2">Accumulated running time of COMP</th><th colspan="2">Total running time of COMP</th></tr><tr><th>Door Open</th><th>Door Close</th><th>Door Open</th><th>Door Close</th></tr><tr><td>RT 29°C Up</td><td>8HR</td><td>18HR</td><td>24HR</td><td>36HR</td></tr><tr><td>20<RT< 28°C</td><td>12HR</td><td>30HR</td><td>48HR</td><td>72HR</td></tr><tr><td>15<RT< 19°C</td><td>8HR</td><td>12HR</td><td>24HR</td><td>36HR</td></tr><tr><td>RT 14°C Down</td><td>8HR</td><td>10HR</td><td>24HR</td><td>36HR</td></tr></table>	RT-SENSOR	Accumulated running time of COMP		Total running time of COMP		Door Open	Door Close	Door Open	Door Close	RT 29°C Up	8HR	18HR	24HR	36HR	20<RT< 28°C	12HR	30HR	48HR	72HR	15<RT< 19°C	8HR	12HR	24HR	36HR	RT 14°C Down	8HR	10HR	24HR	36HR
RT-SENSOR	Accumulated running time of COMP			Total running time of COMP																											
	Door Open	Door Close	Door Open	Door Close																											
RT 29°C Up	8HR	18HR	24HR	36HR																											
20<RT< 28°C	12HR	30HR	48HR	72HR																											
15<RT< 19°C	8HR	12HR	24HR	36HR																											
RT 14°C Down	8HR	10HR	24HR	36HR																											
6.	DEFROST MODE	1) General Defrost Mode 1.1- Start: By determination of defrost 1.2- Process: General operation- Heater on – Pause (6min) - General operation -Heater defrosts: When the temperature at D-sensor is over 10°C, heater turns off. -Limit time: 80 min (30 min on D SENSOR ERROR) 2) Forced Defrost Mode 2.1- Start: by press TEMP. CONTROL button for 5 seconds continuously. 2.2- Process: same as General Defrost Mode -Heater is supposed to be on Initial 30 seconds. (for TEST) 2.3- Display : led lamps 'LOW' 'HIGH' is on.																													
7.	INITIAL DEFROST	1) When power is on, if the temperature at the D-sensor is under 3.5°C, then General Defrost Mode starts. 2) When initial defrost mode starts, heater will be on directly and defrost mode will be started.																													
8.	PREVENTION OF COMP. RESTART	COMP. doesn't work after COMP. turns off even though Rsensor is on condition. (This is to protect comp.) 1) General operation : The COMP can't be on within 6 min. 2) Operation of LOW RT : The COMP can't be on within 40 min.																													

9.	ERROR DISPLAY & CONTROL	- ERROR DISPLAY - When error happens, it is displayed on led lamp.(Main PCB LED 1) 1) R1 ERROR (It happens when R-SENSOR is OPEN or SHORT) 1.1- DISPLAY : On & off one time while LED is on. 1.2- CONTROL : Controlled by the condition of RT (Unit : min) <table><tr><td>RT-S TEMP</td><td>RT-S ERROR</td><td>19°C Down</td><td>20°C Up</td></tr><tr><td>COMP. Operating TIME (ON / OFF)</td><td>20 / 30</td><td>15 / 35</td><td>22 / 28</td></tr></table> 1.3- CANCEL : when R-SENSOR is working normally. 2) D1 ERROR (It happens when D-SENSOR is OPEN or SHORT) 2.1- DISPLAY : On & off one time while LED is off. 2.2- CONTROL : Return to the limit defrost time of Defrost (30 min) 3) D2 ERROR (It happenswhen heater is off by time - 80 min). 3.1- DISPLAY : On & off two times while LED is off. 3.2- CONTROL : Return to next limit defrost time (80 min) 4) RT ERROR (It happens when RTSENSOR is OPEN or SHORT) 4.1- DISPLAY : On & off two times while LED is on. 4.2- CONTROL: The system is normally operating but the controlling by RT- SENSOR doesn't work. 4.3- CANCEL : when RT-SENSOR is working normally. 5) DR ERROR 5.1- Display : LED is on continuously 5.2- Control : Deletion of function related door switch sensing 5.3- If door switch (open & close) is sensed, the error is terminated automatically	RT-S TEMP	RT-S ERROR	19°C Down	20°C Up	COMP. Operating TIME (ON / OFF)	20 / 30	15 / 35	22 / 28
RT-S TEMP	RT-S ERROR	19°C Down	20°C Up							
COMP. Operating TIME (ON / OFF)	20 / 30	15 / 35	22 / 28							
10.	SHORT CIRCUIT TEST	1) START : by pressing REF.TEMP. CONTROL button 30 times continuously. 2) CANCEL : by pressing TEMP CONTROL button 30 times continuously. Cf. the system generally operates after the limit t ime 60 hrs. passes. 3) DISPLAY : LED lamps are SUPER, MIDDLE, VAC on 4) CONTROL : COMP & FAN will be on independent of the operating condition. (There is no defrost mode on this test.)								
11.	FUNCTION OF TIME REDUCTION	1) HOW TO REDUCE: (There is no FASTKEY on PCB for MP.) 1 min : Click FAST KEY one time 30 min : If you press FAST KEY continuously, you can reduce 30 minutes on each second. 2) Practical Use : Can be applied to reduce needless time on test. EX) function of stop for 6 min								

12.	POWER ON / OFF	1) START : Press POWER button 2) CANCELATION : Press POWER button again 3) DISPLAY - START : All LED lamps are off and power is off.(COMP, Heater, Lamp of Room) - CANCEL : Return to the last condition(dial)
13.	MEMORY SAVING ON POWER FAILURE	-After power failure or momentary power failure happens, if power is back on, the mode will be returned on last condition.
14.	EEPROM CLEAR	-Make EEPROM clear right before shipping(set the initial mode) -How to clear : press REF.TEMP. button 5 time with pressing POWER button.
15.	FUNCTION OF LOW ROOM TEMPERATURE	1) Condition of LOW RT TEMP : 1.1- LOW RT A : RT SENSOR < 14°C 1.2- LOW RT B : 15°C > RT-S < 19°C 2) Control 2.1- When Comp. is on, R-SENSOR HTR is off. When it passes 6 min after COMP. is off, R-SENSOR HTR is on until COMP is on. 2.2- COMP. Can't be on within 40 min. after COMP. is off. 2.3- When it is not the Mode of LOW ROOM TEMP. or RT-SENSOR is on ERROR(open or short), R-SENSOR HTR is off. - LOW RT TEMP A Condition - R-SENSOR Operating Temperature 1°C up - LOW RT TEMP B Condition R-SENSOR Operating Temperature

16.	R-SENSOR OFF POINT ADJUSTING OPTION	1) R-SENSOR OFF POINT can be adjusted by changing the input voltage of MICOM 26 pin. 2) The default of input voltage is 0V. 3) The changed OFF POINT isbase OFF POINT + OFF POINT of input voltage.  4) The change of RSENSOR OFF POINT depend on the input voltage of MICOM <table><tr><th>MICOM Input (V)</th><th>0</th><th>1.0</th><th>1.5</th><th>2.0</th><th>2.5</th><th>3.7</th><th>5.0</th></tr><tr><th>OFF POINT Variation (°C)</th><td>-0.5°C (DEF)</td><td>1.0°C down</td><td>2.0°C down</td><td>3.0°C down</td><td>1.0°C up</td><td>2.0°C up</td><td>3.0°C up</td></tr><tr><th>R26, R27 Resistan ce (kOhms)</th><td>Jumper adoption</td><td>R27 : 40 R26 : 10</td><td>R27:23.3 R26:10</td><td>R27:15 R26:10</td><td>R27:10 R26:10</td><td>R27:3.5 R26:10</td><td>R27:10 R26:DEL</td></tr></table>	MICOM Input (V)	0	1.0	1.5	2.0	2.5	3.7	5.0	OFF POINT Variation (°C)	-0.5°C (DEF)	1.0°C down	2.0°C down	3.0°C down	1.0°C up	2.0°C up	3.0°C up	R26, R27 Resistan ce (kOhms)	Jumper adoption	R27 : 40 R26 : 10	R27:23.3 R26:10	R27:15 R26:10	R27:10 R26:10	R27:3.5 R26:10	R27:10 R26:DEL	5) APPLICATION (MAIN PCB) 5.1- GENERAL: MICOM 26 port - 0V 5.2- DELETE J2 (CHANGING R OFF POINT 1DEG UP) : MICOM 26 port– 2.5V
	MICOM Input (V)	0	1.0	1.5	2.0	2.5	3.7	5.0																			
OFF POINT Variation (°C)	-0.5°C (DEF)	1.0°C down	2.0°C down	3.0°C down	1.0°C up	2.0°C up	3.0°C up																				
R26, R27 Resistan ce (kOhms)	Jumper adoption	R27 : 40 R26 : 10	R27:23.3 R26:10	R27:15 R26:10	R27:10 R26:10	R27:3.5 R26:10	R27:10 R26:DEL																				
LOW COOLING OPTION	- R-SENSOR OFF POINT ADJUSTMENT (1 DEG. DOWN) - J1 DELETION onLOW COOLING OPTION Default resistance (31.4 Kohms) + 1.5 kohms = 32.9 Kohms Operating on condition that R-SENSOR OFF point goes down 1°C.																										