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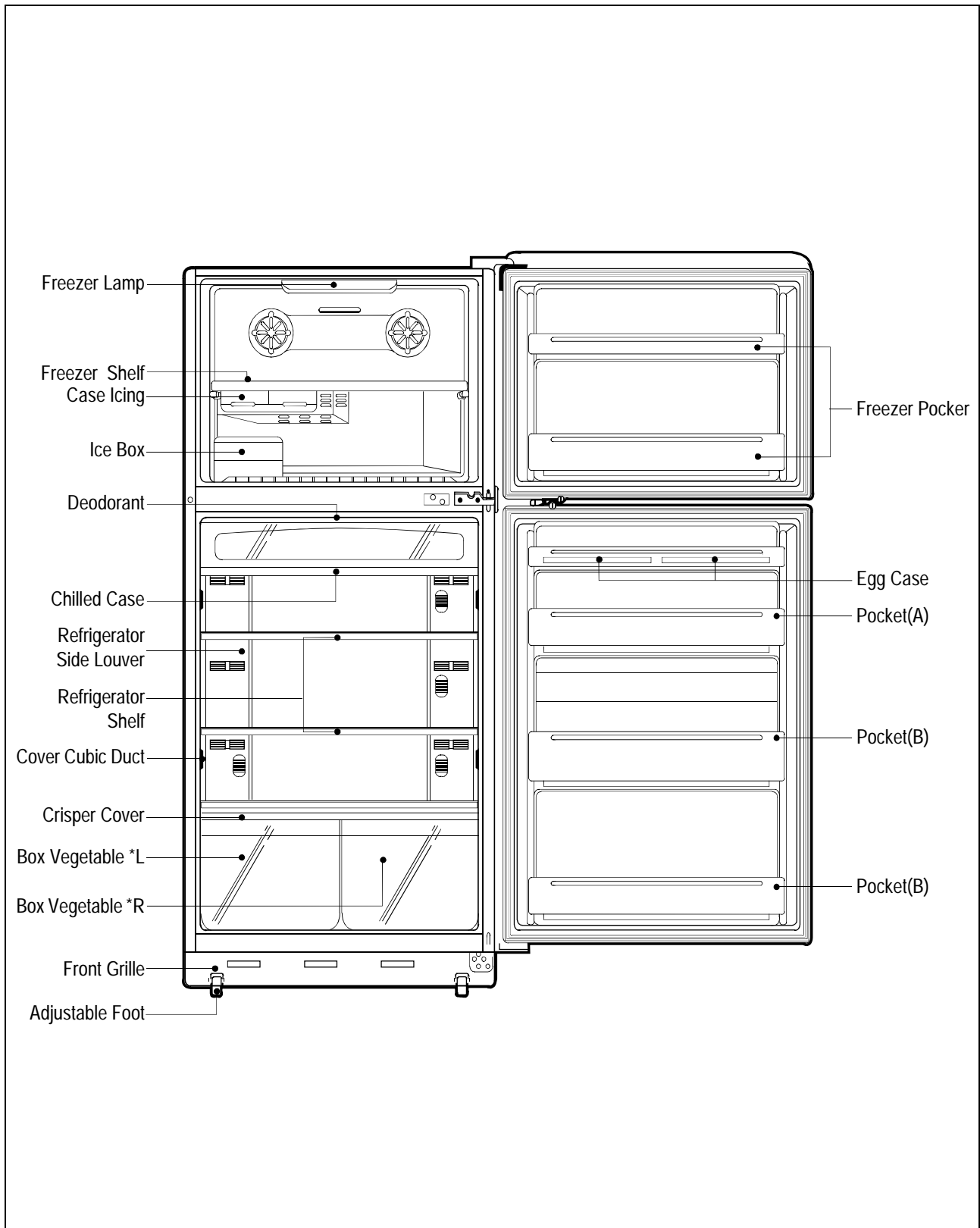
SAFETY AND PRECAUTIONS

- 1) For starters, be sure to check any chances of the leakage of electricity
- 2) You could handle a part in the vicinity of electricity after unplugging
- 3) You should put on rubber gloves to prevent an electric shock on operation test
- 4) Make sure the rated current, voltage, capacity before using an instrument
- 5) Keep your wet hands away from the metal goods in the freezer compartment
not to be frostbitten
- 6) Be careful not to let water to permeate the electric part in the machine room
- 7) with the door open during your working, you might be damaged by that door
- 8) You should give a tilt to the refrigerator for your safe after removing the breakable
goods inside the refrigerator
- 9) You'd better use cotton gloves if you fix it up around the evaporator

1. EXTERNAL VIEWS

1-1. Name of Parts

1) FR-5101NT, 5401NT



2. SPECIFICATIONS

2-1. Out Line

1) FR-5101NT, 5401NT

MODEL NAME		FR-5101NT	FR-5401NT
Refrigerant	R12	200g	
	R134a	170g	
Cooling System		Fan Cooling Convection	
Refrigerant System		Air Forced Convection	
Defrost System		Fin Evaporator Forced	
Defrost Operation		Automatic Start & Stop	
Cold Control		Adjustable Button	
Capacity	Freezer	119 ℓ	119 ℓ
	Refrigerator	314 ℓ	337 ℓ
	Total	433 ℓ	456 ℓ
External Dimension	Height	1761mm	1788mm
	Width	769mm	769mm
	Depth	724mm	724mm
Net Weight		84Kg	85Kg

2-2. Electric Parts

1) Compressor

① FR-5101NT, 5401NT

Refrigerant	R12							
Voltage	100V/50, 60Hz	110V/60Hz	115, 120V/60Hz	127V/60Hz	220V/50Hz	220V/60Hz	230V/50Hz	240V/50Hz
Comp.model	×	BL25YE-3-C	×	×	PL28YE-6-C	×	×	×
Part code	×	3952125C30	×	×	3956128C60	×	×	×
Strating type	×	CSR	×	×	RSCR	×	×	×

Refrigerant	R134a							
Voltage	100V/50, 60Hz	110V/60Hz	115, 120V/60Hz	127V/60Hz	220V/50Hz	220V/60Hz	230V/50Hz	240V/50Hz
Comp.model	×	HBL25YG-3-C	×	×	HSL27YE-5-C	×	HSL27YE-5-C	←
Part code	×	3952125L3A	×	×	3954127L50	×	3954127L50	←
Strating type	×	CSR	×	×	RSIR	×	RSIR	←

2) Relay Assembly

① FR-5101NT, 5401NT

Refrigerant	R12							
Voltage	100V/50, 60Hz	110V/60Hz	115, 120V/60Hz	127V/60Hz	220V/50Hz	220V/60Hz	230V/50Hz	240V/50Hz
Relay model	×	419RHBYY-52	×	×	213THBYY-52	×	×	×
Part code	×	3018105673	×	×	3018105651	×	×	×

Refrigerant	R134a							
Voltage	100V/50, 60Hz	110V/60Hz	115, 120V/60Hz	127V/60Hz	220V/50Hz	220V/60Hz	230V/50Hz	240V/50Hz
Relay model	×	445RHBZZ-52	×	×	276THBYY-52	×	276THBYY-52	←
Part code	×	3018101601	×	×	3018105031	×	301809901	3018105031

3) Running Capacitor

① FR-5101NT, 5401NT

Refrigerant	R12							
Voltage	100V/50, 60Hz	110V/60Hz	115, 120V/60Hz	127V/60Hz	220V/50Hz	220V/60Hz	230V/50Hz	240V/50Hz
Spec.	×	300V/ 7 μ F	×	×	350V/5 μ F	×	×	×
Part code	×	3816800400	×	×	400EL15110	×	×	×

Refrigerant	R134a							
Voltage	100V/50, 60Hz	110V/60Hz	115, 120V/60Hz	127V/60Hz	220V/50Hz	220V/60Hz	230V/50Hz	240V/50Hz
Spec.	×	300V/ 7 μ F	×	×	×	×	×	×
Part code	×	3816800400	×	×	×	×	×	×

4) Starting Capacitor

① FR-5101NT, 5401NT

Refrigerant	R12							
Voltage	100V/50, 60Hz	110V/60Hz	115, 120V/60Hz	127V/60Hz	220V/50Hz	220V/60Hz	230V/50Hz	240V/50Hz
Spec.	×	200V/100 μ F	×	×	×	×	×	×
Part code	×	40IRD35050	×	×	×	×	×	×

Refrigerant	R134a							
Voltage	100V/50, 60Hz	110V/60Hz	115, 120V/60Hz	127V/60Hz	220V/50Hz	220V/60Hz	230V/50Hz	240V/50Hz
Spec.	×	200V/100 μ F	×	×	×	×	×	×
Part code	×	40IRD35050	×	×	×	×	×	×

5) F-fan Motor

① FR-5101NT, 5401NT

Refrigerant	R12, R134a							
Voltage	100V/50, 60Hz	110V/60Hz	115, 120V/60Hz	127V/60Hz	220V/50Hz	220V/60Hz	230V/50Hz	240V/50Hz
Spec.	×	IS3211DWBFN	×	×	IS3211DWBFR	×	IS3211DWBFT	IS3211DWBFT
Part code	×	3011800841	×	×	3011800931	×	3011801021	3011801021

6) R-fan Motor

① FR-5101NT, 5401NT

Refrigerant	R12, R134a							
Voltage	100V/50, 60Hz	110V/60Hz	115, 120V/60Hz	127V/60Hz	220V/50Hz	220V/60Hz	230V/50Hz	240V/50Hz
Spec.	×	IS3211DWBFM	×	×	IS3211DWBFO	×	IS3211DWBFS	IS3211DWBFS
Part code	×	3011800851	×	×	3011800941	×	3011801031	3011801031

7) Defrost Heater

① FR-5101NT, 5401NT

Refrigerant	R12, R134a							
Voltage	100V/50, 60Hz	110V/60Hz	115, 120V/60Hz	127V/60Hz	220V/50Hz	220V/60Hz	230V/50Hz	240V/50Hz
Spec.	×	148W	×	×	148W	×	148W	←
Part code	×	3012801300	×	×	3012801000	×	3012801000	←

8) Lamp Assembly

① FR-5101NT, 5401NT

Refrigerant	R12, R134a							
Voltage	110V/50, 60Hz	110V/60Hz	115, 120V/60Hz	127V/60Hz	220V/50Hz	220V/60Hz	230V/50Hz	240V/50Hz
Spec.	×	120V/15W	×	×	250V/15W	×	250V/15W	←
Part code	×	3013600050	×	×	3013600000	×	3013600000	←

9) PCB Transformer

① FR-5101NT, 5401NT

Refrigerant	R12, R134a							
Voltage	100V/50, 60Hz	110V/60Hz	115, 120V/60Hz	127V/60Hz	220V/50Hz	220V/60Hz	230V/50Hz	240V/50Hz
Part code	×	3018401120	×	×	5EPK041000	×	3018401130	3018401140

10) Main PCB Assembly

① FR-5101NT, 5401NT

Refrigerant	R12, R134a							
Voltage	100V/50, 60Hz	110V/60Hz	115, 120V/60Hz	127V/60Hz	220V/50Hz	220V/60Hz	230V/50Hz	240V/50Hz
Spec.	×	N8061	×	×	N8061	×	N8061	←
Part code	×	3014364022	×	×	3014364012	×	3014364012	←

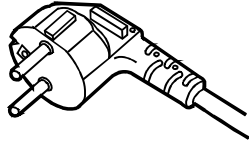
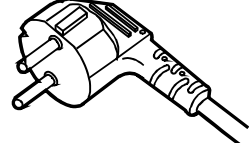
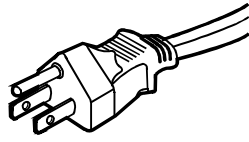
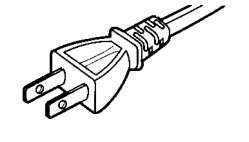
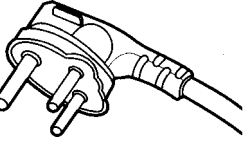
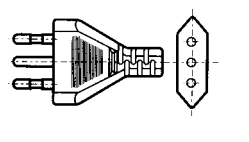
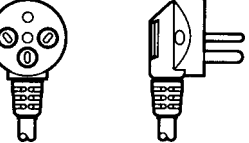
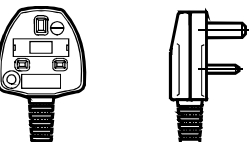
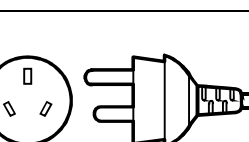
11) Dryer

① FR-5101NT, 5401NT

Refrigerant	R12	R134a
Spec.	10g	15g
Part code	3016800103	3016801100

2-3. Power Cord

1) FR-5101NT, 5401NT

NO	SHAPE OF CODE	PART CODE	DESCRIPTION	REMARK
1		3011315000	CP-2PIN	FOR EUROPEAN COUNTRY
2		401RA17200	CP-2PIN	FOR OTHER COUNTRY
3		4006D17101	KP-30	FOR AMERICA
4		401PD17101	KP-211	FOR JAPAN & TAIWAN
5		3011300801	BP-3PIN	
6		3011303010	#267	FOR CHILE
7		3011315310		FOR ISRAEL
8		3011303050	BS-1363A	FOR U.K, MIDDLE ASIA SINGAPORE & MALAYSIA
9		3011301200	KP551/550	FOR CHINA & AUSTRALIA

Upper power cord's part code is only for lead wire, without any kinds of terminal or housing.

2-4. Door Color

1) Assembly Urethan Freezer Door

① FR-5101NT

Refrigerant	R12				R134a			
	Dull lamina sheet	High glossy lamina sheet	Normal PCM	High glossy bright PCM	Dull lamina sheet	High glossy lamina sheet	Normal PCM	High glossy bright PCM
Part code	×	×	×	PFFT00T030	×	×	×	PFFT00T035

② FR-5401NT

Refrigerant	R12				R134a			
	Dull lamina sheet	High glossy lamina sheet	Normal PCM	High glossy bright PCM	Dull lamina sheet	High glossy lamina sheet	Normal PCM	High glossy bright PCM
Part code	×	×	×	PFFT00T060	×	×	×	PFFT00T065

2) Assembly Urethan Refrigerator Door


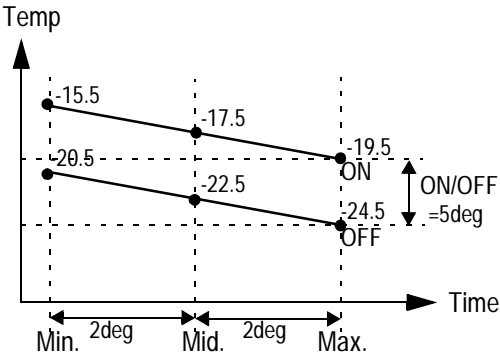
① FR-5101NT

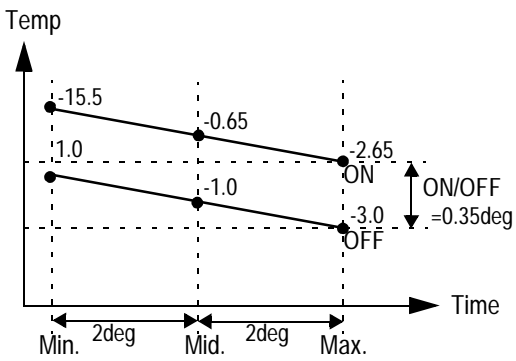
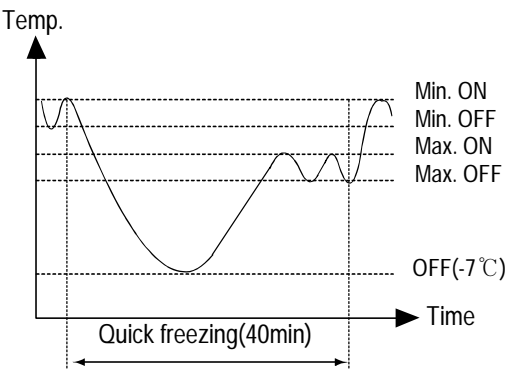
Refrigerant	R12				R134a			
	Dull lamina sheet	High glossy lamina sheet	Normal PCM	High glossy bright PCM	Dull lamina sheet	High glossy lamina sheet	Normal PCM	High glossy bright PCM
Part code	×	×	×	PFRT00T030	×	×	×	PFRT00T035

② FR-5401NT

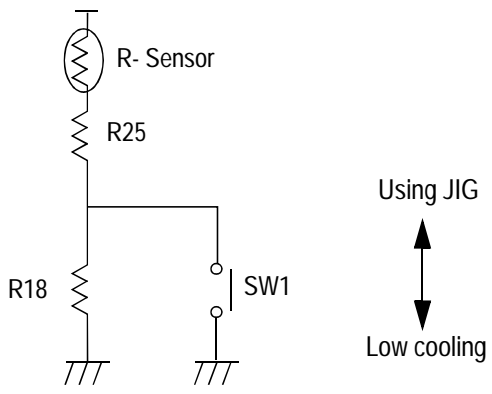
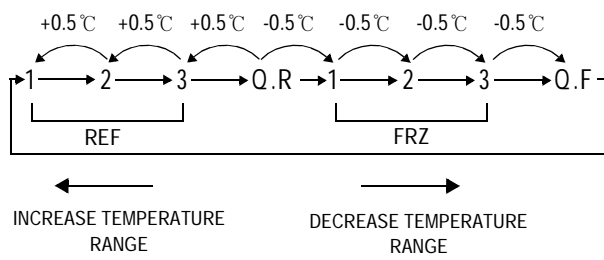
Refrigerant	R12				R134a			
	Dull lamina sheet	High glossy lamina sheet	Normal PCM	High glossy bright PCM	Dull lamina sheet	High glossy lamina sheet	Normal PCM	High glossy bright PCM
Part code	×	×	×	PFRT00T060	×	×	×	PFRT00T065

3. OPERATION AND FUNCTIONS

NO	CONTROL FUNCTION	CONTROL OBJECTS	CONTENTS	REMARK
1	Display	LED	 <ol style="list-style-type: none"> 1) Show the freezer and refrigerator temperature range with lighting a yellow LED. 2) When choose the Quick freezing, green LED is on. When start the Quick freezing, red LED is on. 3) When choose the Quick refrigerating, green LED is on. When start the Quick freezing, red LED is on. 	
2	Freezer Temp. Control & Quick freezing	Comp. F-fan LED	<ol style="list-style-type: none"> 1) In the initial operation, the temperature of FRZ automatically set at "2". 2) The freezer temperature range is changed by pressing FRZ control button. 2 → 3 → Q.F → 1 → 2 3) The LED will twinkle during adjustment. 4) After seven times twinkle without pressing button, set the freezer temperature range and light the LED. without twinkle. 5) Each on/off point is compressor and Freezer fan on/off point. 	

NO	CONTROL FUNCTION	CONTROL OBJECTS	CONTENTS	REMARK
3	Refrigerator Temperature Control & Quick Refrigeration	R-fan LED	<p>1) In the initial operation, the temperature of REF. automatically set at '2'.</p> <p>2) The refrigerator temperature range is changed by pressing REF control button. 2 → 3 → Q.R → 1 → 2</p> <p>3) The LED will twinkle during adjustment.</p> <p>4) After seven times twinkle without pressing button, set the refrigerator temperature range and light the LED without twinkle.</p> <p>5) Each on/off point is Refrigerator fan on/off point.</p> 	
4	Quick freezing	Comp. F-Fan LED	<p>1) The quick freezing mode works for 150 minutes.</p> <p>2) When finish the quick freezing, turn to former temperature range.</p>	
5	Quick refrigeration	Comp. R-Fan LED	<p>1) The quick refrigeration mode works for 40 minutes.</p> <p>2) The compressor and Refrigerator fan are on until R-sensor detects over cooling temperature (-7 °C)</p> <p>3) After reach to -7 °C, the refrigerator temperature range is changed '3' until time limit.</p> <p>4) When finish the quick refrigeration, turn to former temperature range.</p> 	

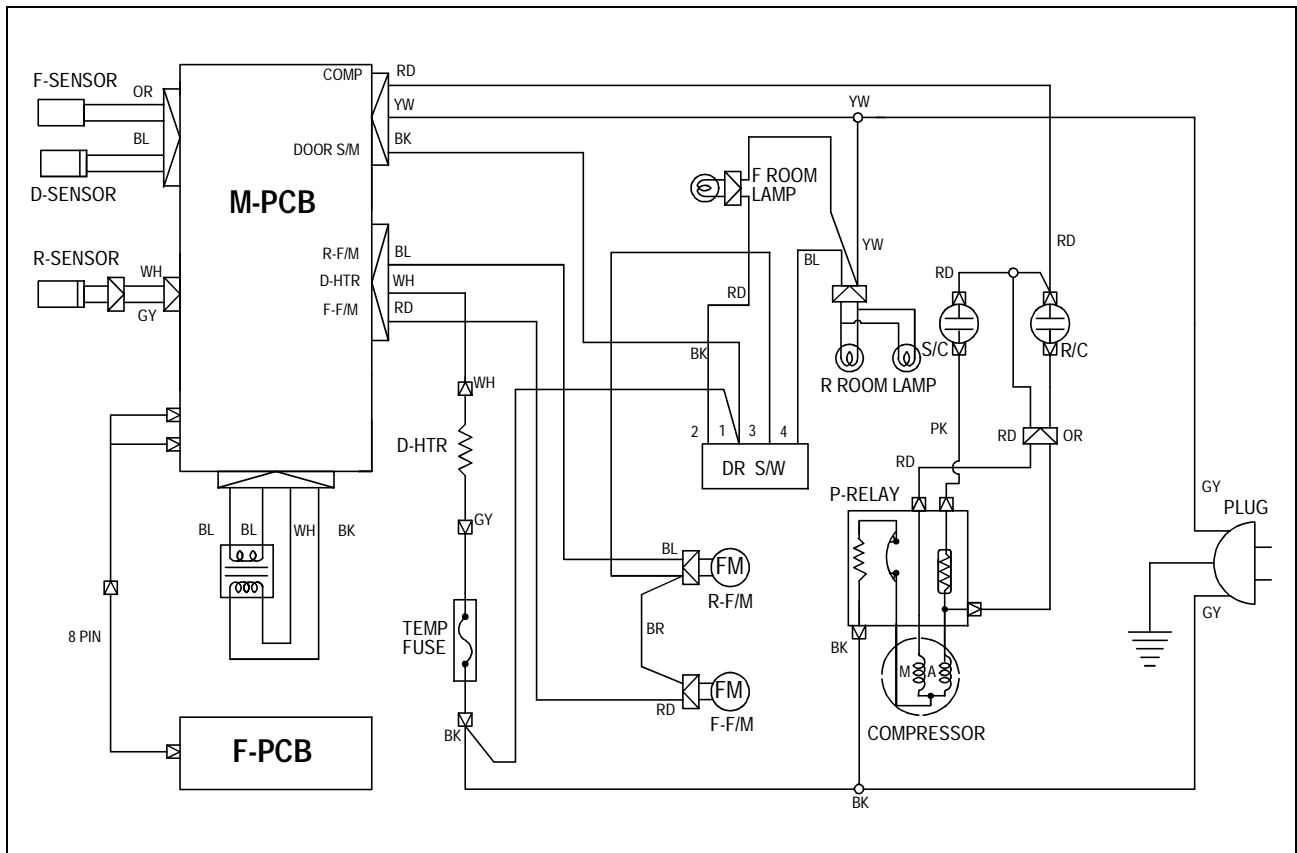
NO	CONTROL FUNCTION	CONTROL OBJECTS	CONTENTS	REMARK
6	Determination Defrost		<p>1) Necessary condition of determination defrost.</p> <ul style="list-style-type: none"> ① Accumulated compressor on time (6.8.10 hours) ② Compressor operation ratio (every 2 hours) ③ Total time (compressor on time + compressor off time) is 60 hours ④ Defrost-sensor e2. Description <p>2) Description</p> <ul style="list-style-type: none"> ① If accumulated compressor on time is more than 6 or 8 hour and compressor operation ratio is more than 80%, then start defrost mode. ② If accumulated compressor on time is more than 10 hours, then start defrost mode. ③ If the total time pass through 60 hours, then start defrost mode. ④ If the defrost-sensor is out of order and accumulated compressor on start defrost mode. 	
7	Forced defrost	D-heater	<p>1) Press the FRZ control button 5 times when press the REF control button. After that can start the forced defrost.</p> <p>2) Forced defrost mode</p> <ul style="list-style-type: none"> ① The pre-cool step is omitted. ② Defrost heater is on until defrost-sensor detects 10 °C. ③ If defrost-sensor out of order then-heater is on form 80 minutes. 	
8	Initial defrost	D-heater Comp. F-fan	<p>1) If the defrost sensor $\leq 3.5^{\circ}\text{C}$ in the initial operation, then enter the defrost mode.</p>	
9	Compressor restart prevent	Comp.	<p>1) After the compressor is off, the compressor is not on even though the freezer-sensor is at on point for 6 minutes.</p>	

NO	CONTROL FUNCTION	CONTROL OBJECTS	CONTENTS	REMARK
10	Adjust Refrigerator-Sensor off point		<p>1) When the temperature in the refrigerator room is high (eventhough R-fan, and compressor are operating properly), following functions are useful for easy after sales service</p> <p>2)</p>  <p>R25 : off point determination in normal operation R18 : Decreases off point (1.5°C) determination. SLIDE SW1 : Slide to weaking cooling position in order to decrease off point.</p> <p>3) Resistance value R25 : 31.4K Ω R18 : 2.15K Ω</p>	
11	Adjust Freezer Compartment Temperature Range		<p>1) Press FRZ control button for more than 10 seconds. 2) Q.R LED will be lit. 3) When you press the REF control button, lighting LED will be changed.</p>  <p>4) The freezer temperature range is changed as above. 5) When finish adjusting, press FRZ button for more than 10 seconds.</p>	

4. DIAGRAM

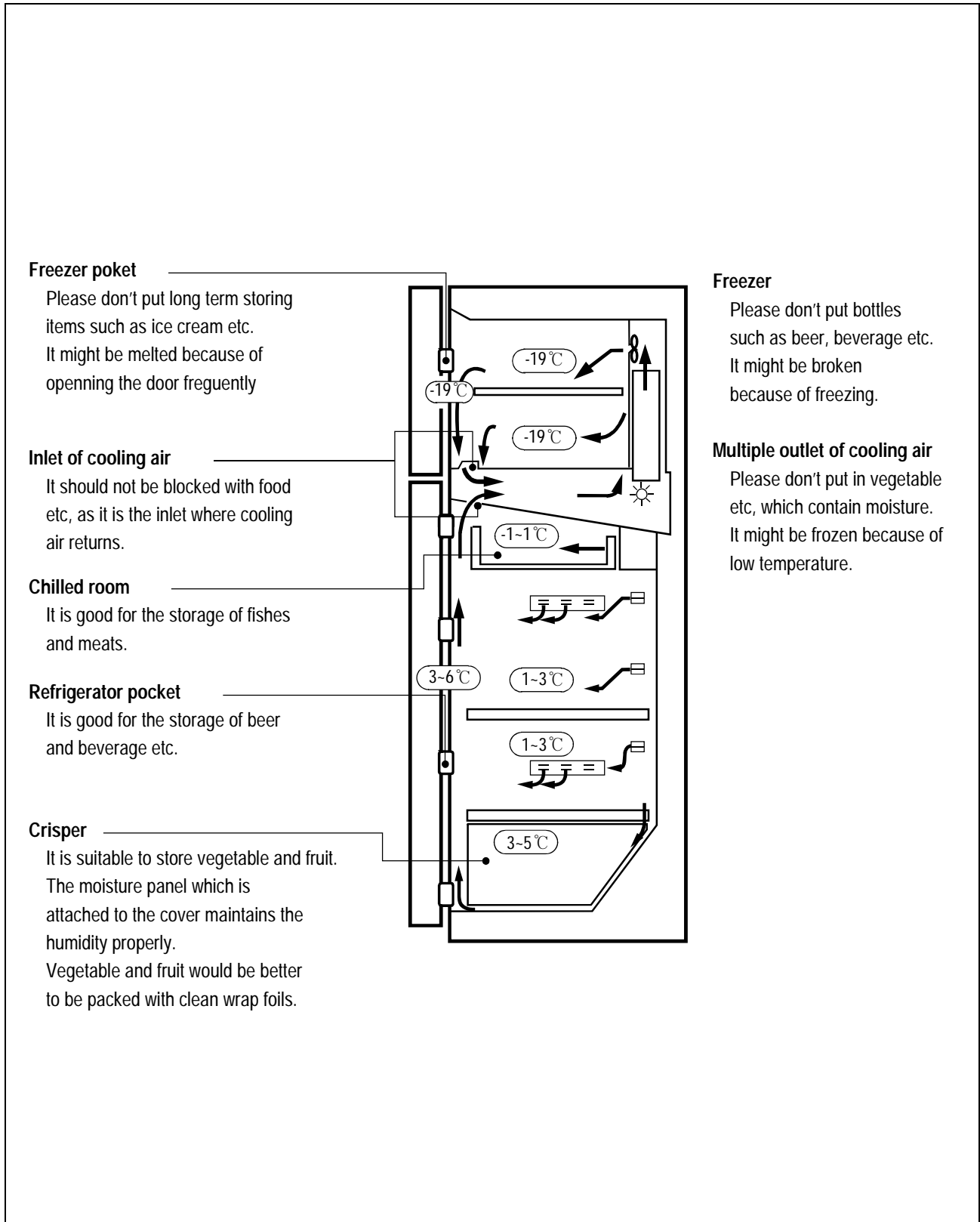
4-1. Wire Diagram

1) FR-5101NT, 5401NT



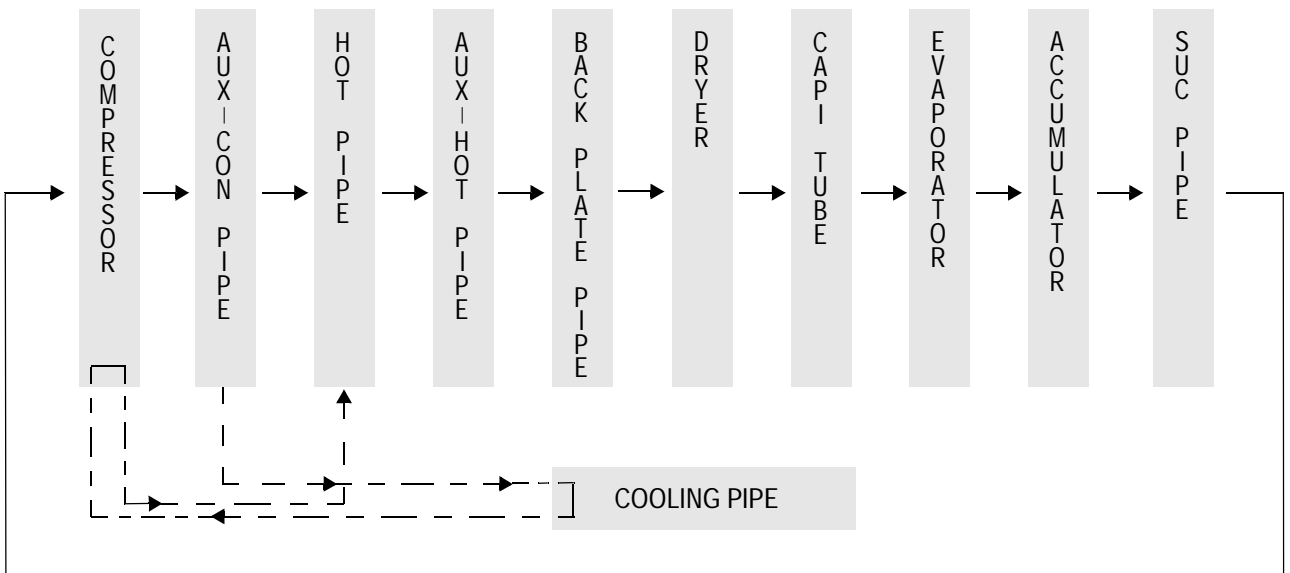
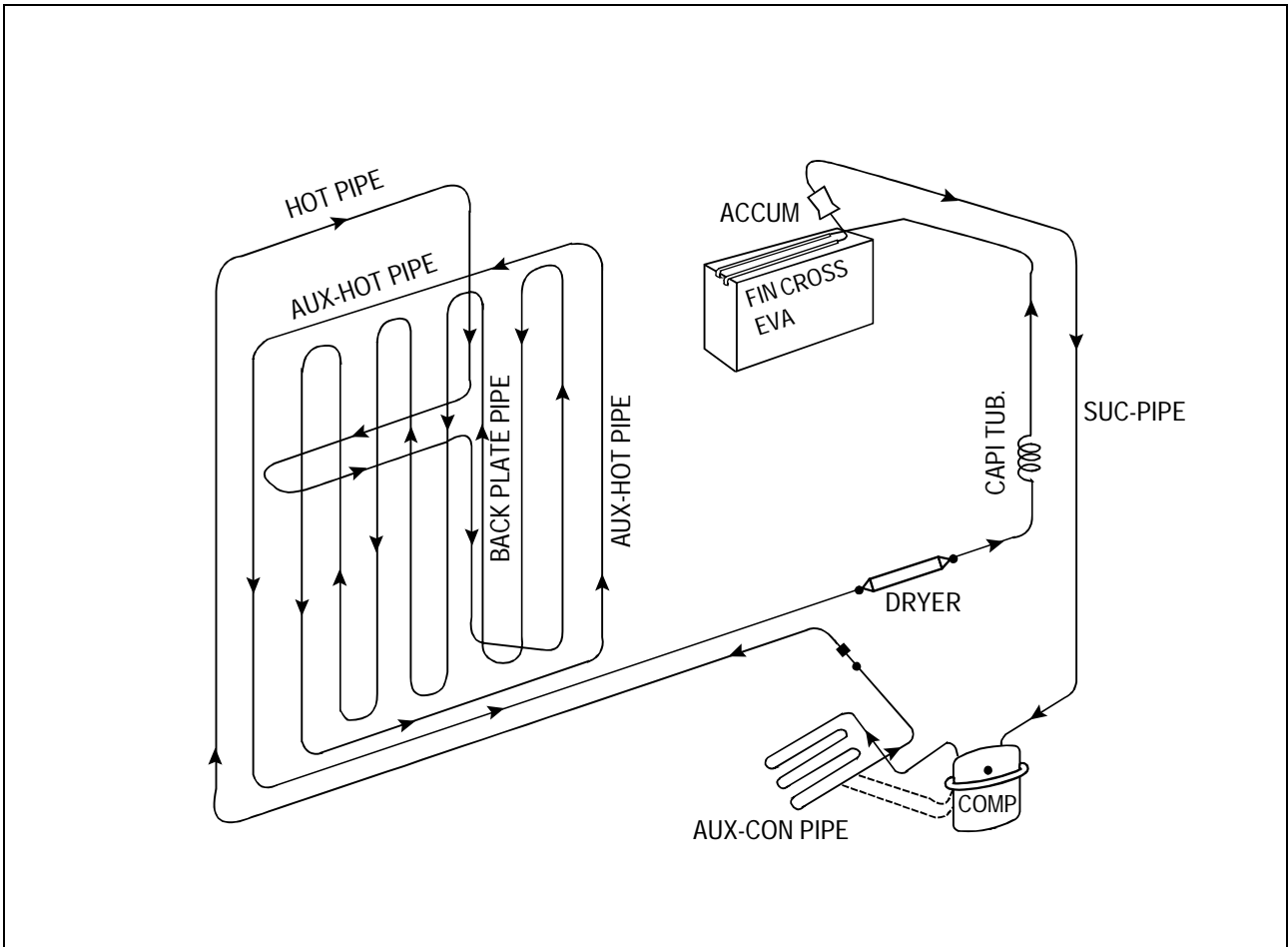
4-2. Air Flow Diagram

1) FR-5101NT, 5401NT



4-3. Refrigerant Cycle Diagram

1) FR-5101NT, 5401NT



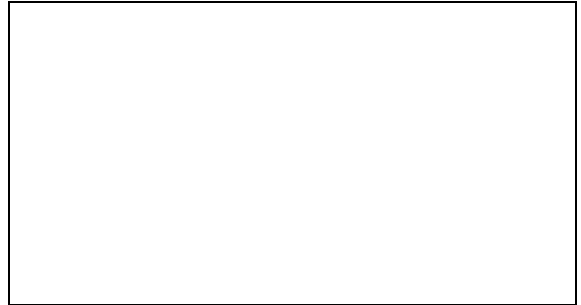
5. DISASSEMBLY AND ASSEMBLY

5-1. Freezer Lamp

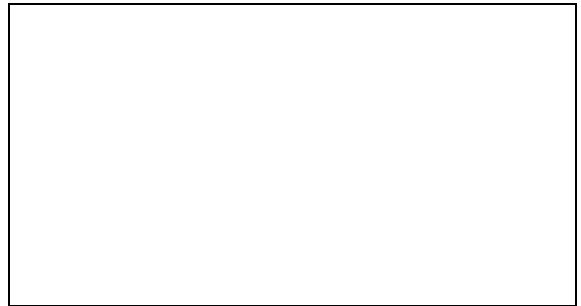
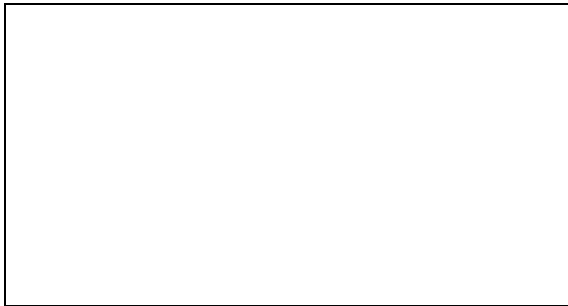
1) FR-5101NT, 5401NT

① After pressing the rear side of freezer window, pull forward and remove.

※ Replace the lamp after removing freezer window.



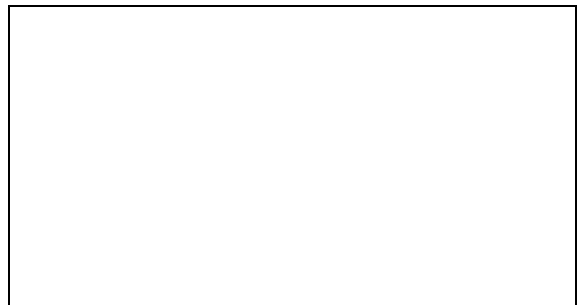
② Remove two screws with "+" driver. Pull forward and separate freezer-multi-duct cover (A).



③ Disconnect the lamp-socket assembly.



④ The detail part list of freezer-multi-duct cover (A) assembly.

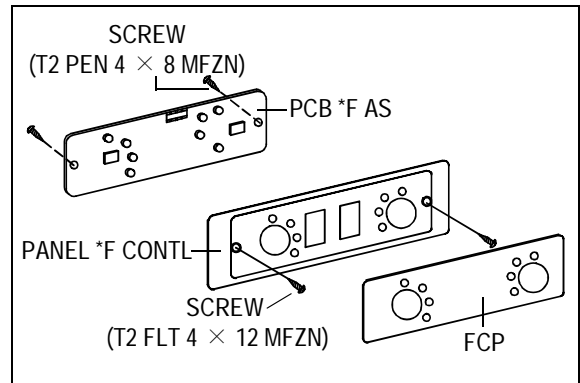


5-2. Front PCB

1) FR-5101NT, 5401NT

◆ Check after repair ◆

1. In assembling F-PCB, use only specified screws.
2. Check if button operation after reassembling.
3. There should be no gap between F-Control panel and Freezer door.
4. Use small size screw M5 x L15, when the screw is over-spinned.
5. If the adhesive of F-Control panel name plate is weak, change the plate for a new one.



5-3. Freezer Louver

1) FR-5101NT, 5401NT

- ① The louver hook which has been backside of the louver will be disassembled, if inset a screw driver into the chilly draft blowing outlet and pull the louver.

◆ Check after repair ◆

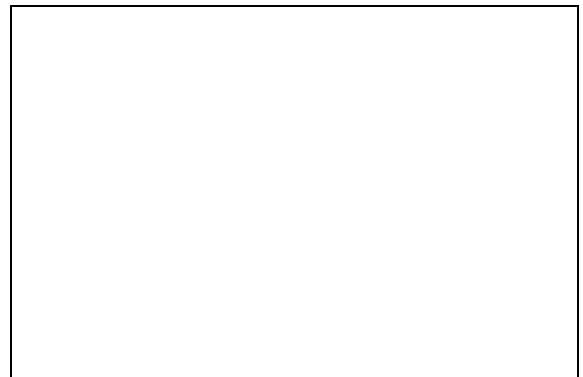
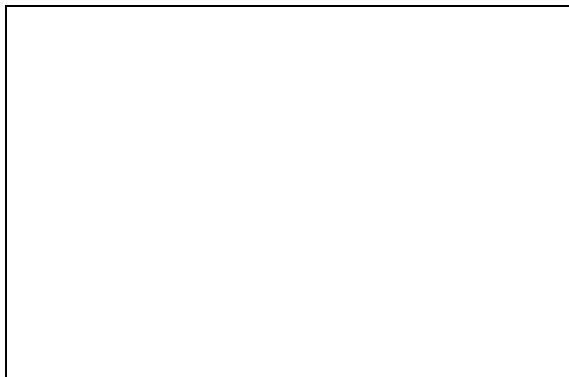
1. Insert the bottom part of louver into the groove which is located at rear bottom part of freezing room.
2. Assemble louver completely but there should not be damaged the hook.



5-4. Freezer Sensor

1) FR-5101NT, 5401NT

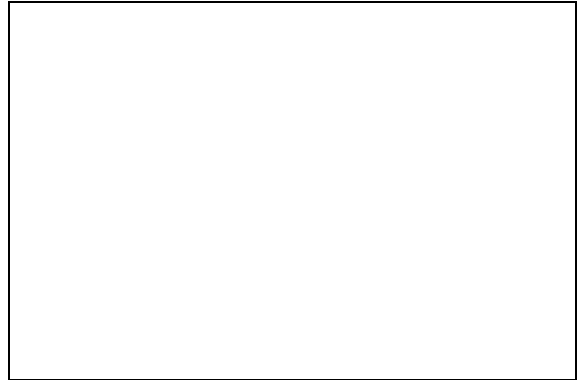
- ① Remove the aluminum tape from louver insulator.
Take off the freezer sensor.



-
- ② Replacement procedure of the freezer sensor.
- a. Cut off the lead wire of old sensor and insert the heat tube into a new sensor's lead wire. Solder after connecting the new sensor.
 - ※ The sensor's resistance maybe changed, if you do not join with soldering.

 - b. Shrink the heat tube by a cigarette lighter after placing the heat tube connected location.

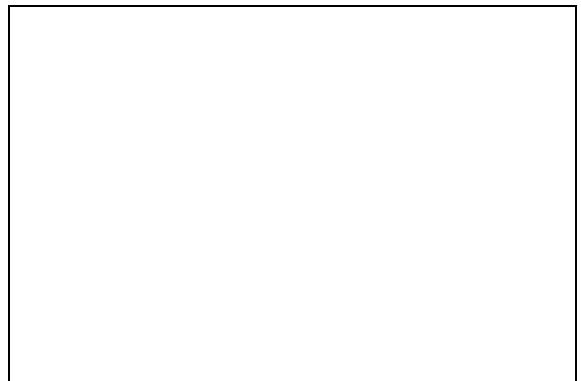
 - c. Fix the freezer sensor to the fixture with aluminum tape (width of 50mm)
 - ※ Inset the assembly into the louver insulator and fix it with aluminum tape.



5-5. Temperature Fuse

1) FR-5101NT, 5401NT

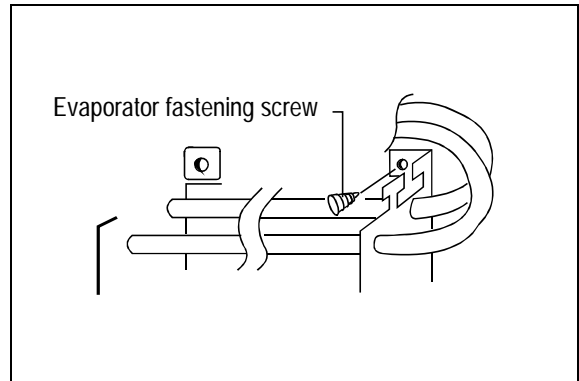
- ① Remove the temperature fuse out of the evaporator pipe by screw driver.



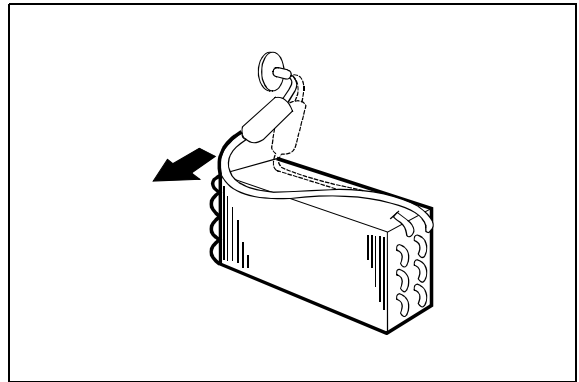
5-6. Defrost Heater

1) FR-5101NT, 5401NT

- ① Unscrew the 2 screws which is securing the evaporator.



- ② Pull the evaporator pipe slightly to the arrow direction.

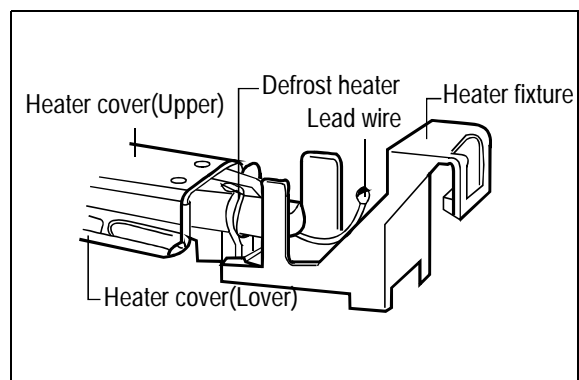


- ③ Move evaporator forward as the figure and make working space to remove defrost heater which situates under the bottom of evaporator.

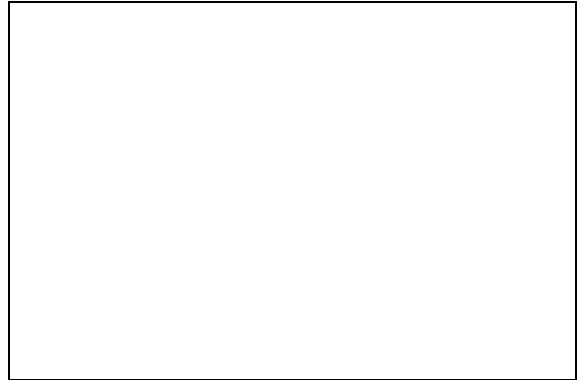
- ※ This is the same removing procedure as evaporator's. However, do not remove the welded points.
- ※ Take care not to bend the pipe connected to accumulator.



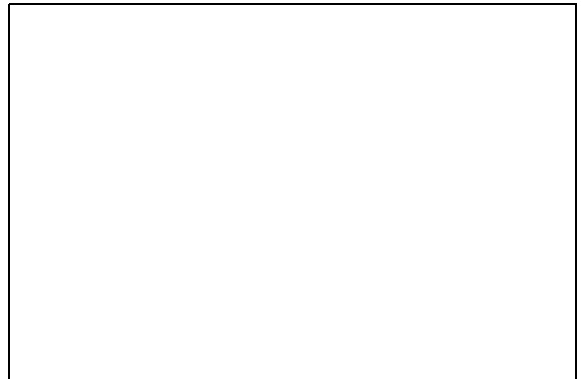
- ④ Take out the defrost heater from the heater fixture without removing the heater cover (upper, Lower) (Do not apply too much force on the heater fixture)



⑤ Strip the aluminum tape fixing the defrost heater and cut both ends of lead wire.



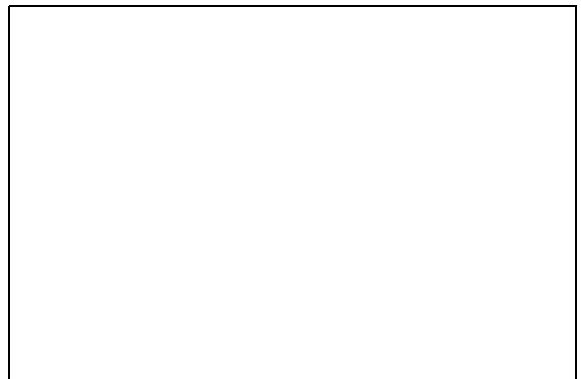
⑥ Remove two (white and gray) defrost heater terminals among the lead wires mounted on left wall.



⑦ Detach the upper and lower part of heater cover from defrost heater assembly by knife.



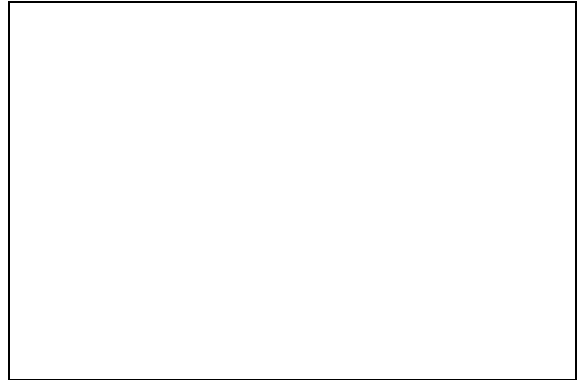
⑧ Assembly procedure after replacing defrost heater.
a. Assembly the upper and lower part of heater cover.
b. Lead wire is arranged as shown in figure.
c. Attach aluminum tape after removing water.
d. When put evaporator, take care not to strip lead wire.



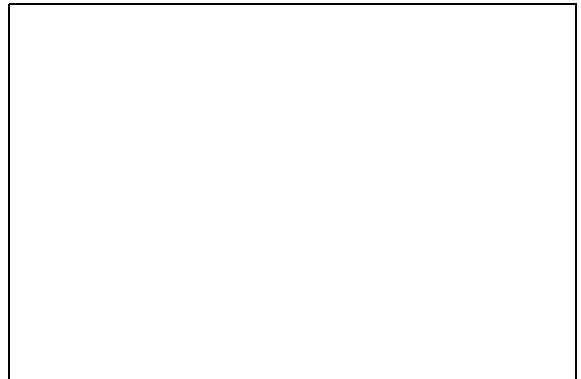
5-7. Evaporator

1) FR-5101NT, 5401NT

- ① Remove evaporator after removing temperature fuse.
- ② Remove two evaporator fixing screws.



- ③ Remove two evaporator fixing screws.



- ④ Extract evaporator forward with minimizing the pipe deformation after grasping the both sides of evaporator and pulling accumulator or pipe slightly forward.

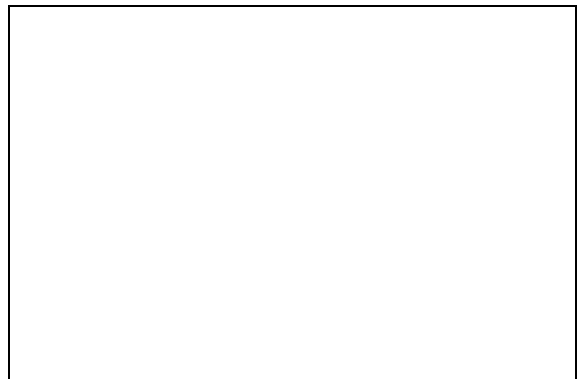
※ This work without fan motor will be easier than with it.

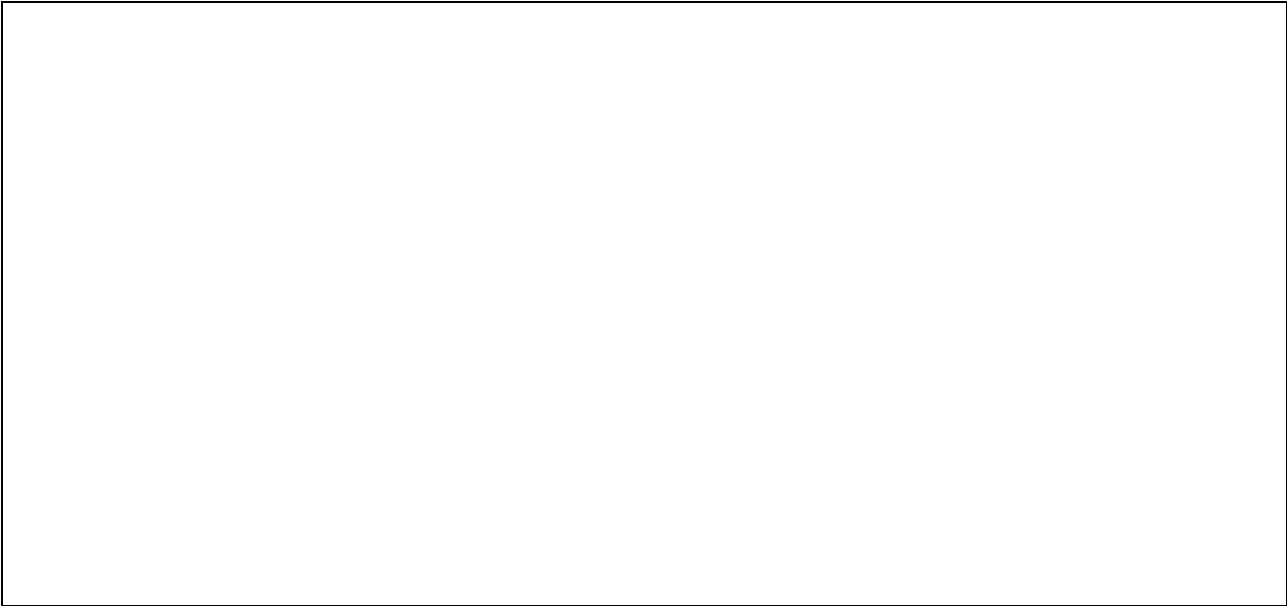


5-8. Fan Motor

1) FR-5101NT, 5401NT

- ① Dismantle fan motor by removing two screws.



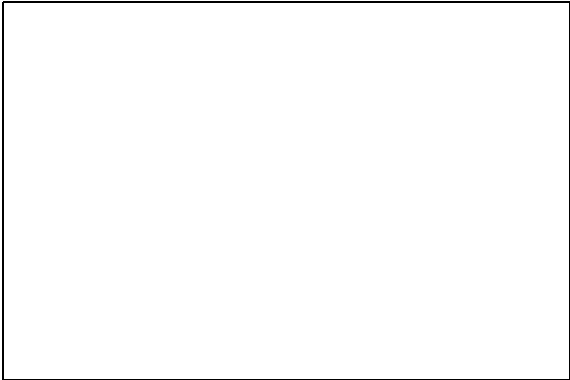


5-9. Door Switch

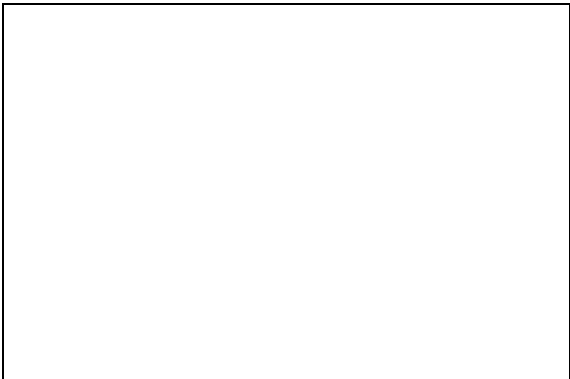
1) FR-5101NT, 5401NT

- ① Remove the door switch out of cabinet by inserting " - " screw driver to the inside of rubber packing.

※ Take care not to damage the rubber packing.



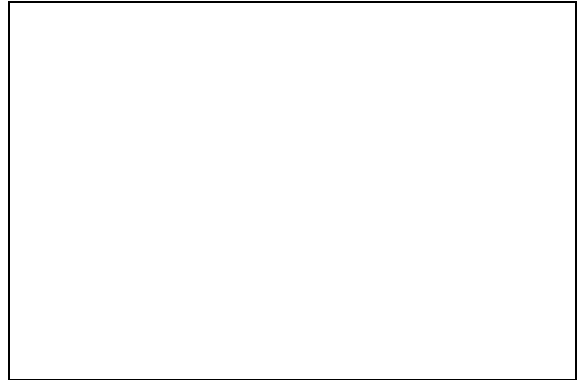
- ② Remove the housing.



5-10. Gasket

1) FR-5101NT, 5401NT

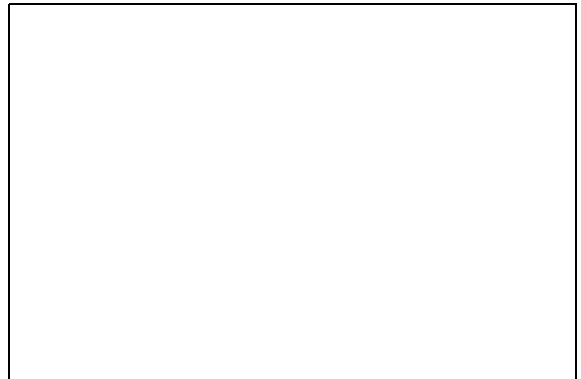
- ① Detach the gasket .



5-11. Deodorizer

1) FR-5101NT, 5401NT

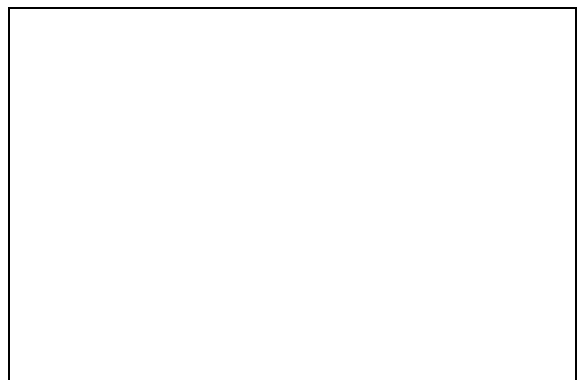
- ① Deodorizer is located upper part of refrigerator compartment. Remove the deodorizer out of liner by inserting " - " screw driver.



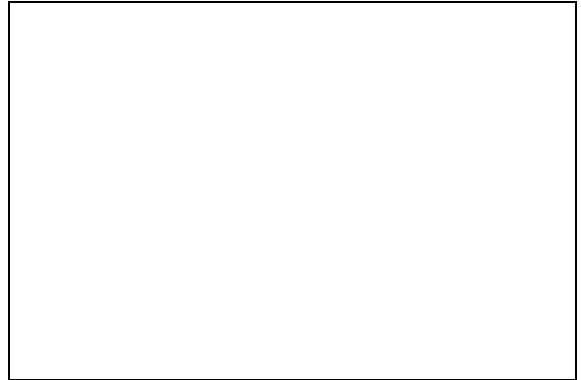
5-12. Surround Multi-Duct

1) FR-5101NT, 5401NT

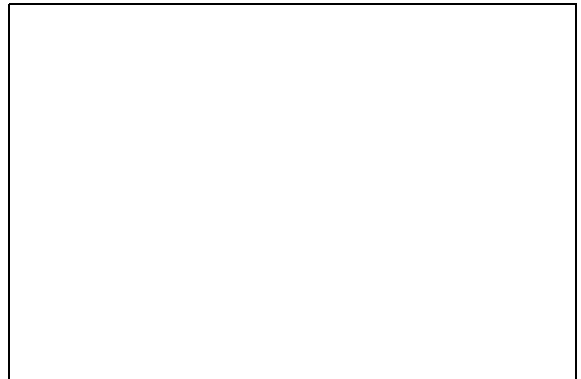
- ① Remove chilled room, chilled door and shelves.
- ② Remove the R Window by pressing the hooks at bottom of the R window.



③ Disassemble the 3 screw.



④ Disassemble the chilled duct assembly pulling forward after disconnecting the R lamp housing.



⑤ Disconnect the R sensor housing.



⑥ Separate the hooks by pulling the upper side of the side duct assembly with one hand, and inserting flat tip screw driver into the indicated part (marking of ◀)

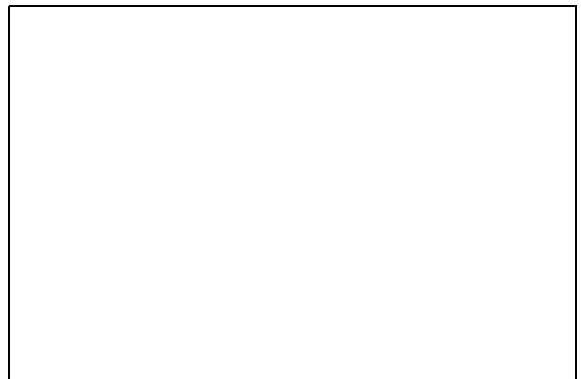


⑦ Cubic duct cover

- a. Pull the assembly by pushing the indicated part with " - " screw driver.



- b. Reassemble by pushing to front side

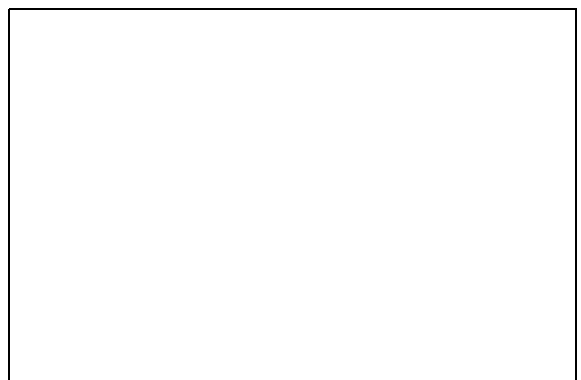


⑧ Valve assembly

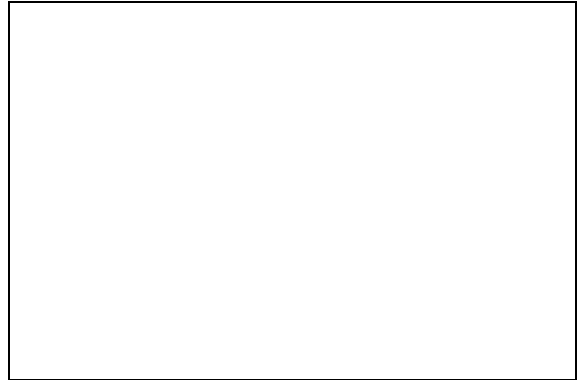
- a. Disassemble the chilled room duct.
- b. Cut off the down part of the cotton tape with a knife.



- c. Raise it upward by inserting a " - " driver into the down part of the assembly.



d. Disassemble it completely with a hand.



5-13. Main PCB

1) FR-5101NT, 5401NT

- ① Remove the screw located at the rear of the cabinet (2point), separate the main PCB box cover from the cabinet.
 - ② First, separate the connectors, and remove the main PCB assembly.
- ◆ **Check after repair** ◆
1. Set the connection correctly.
 2. Special attention is required at the time of fixing so that the board is not damaged.
 3. Pay special attention so that other components are not damaged while removing and setting the connectors.



5-14. Top Hinge Cover

1) FR-5101NT, 5401NT

- ① Take off the hinge cover.



5-15. Total Parts List

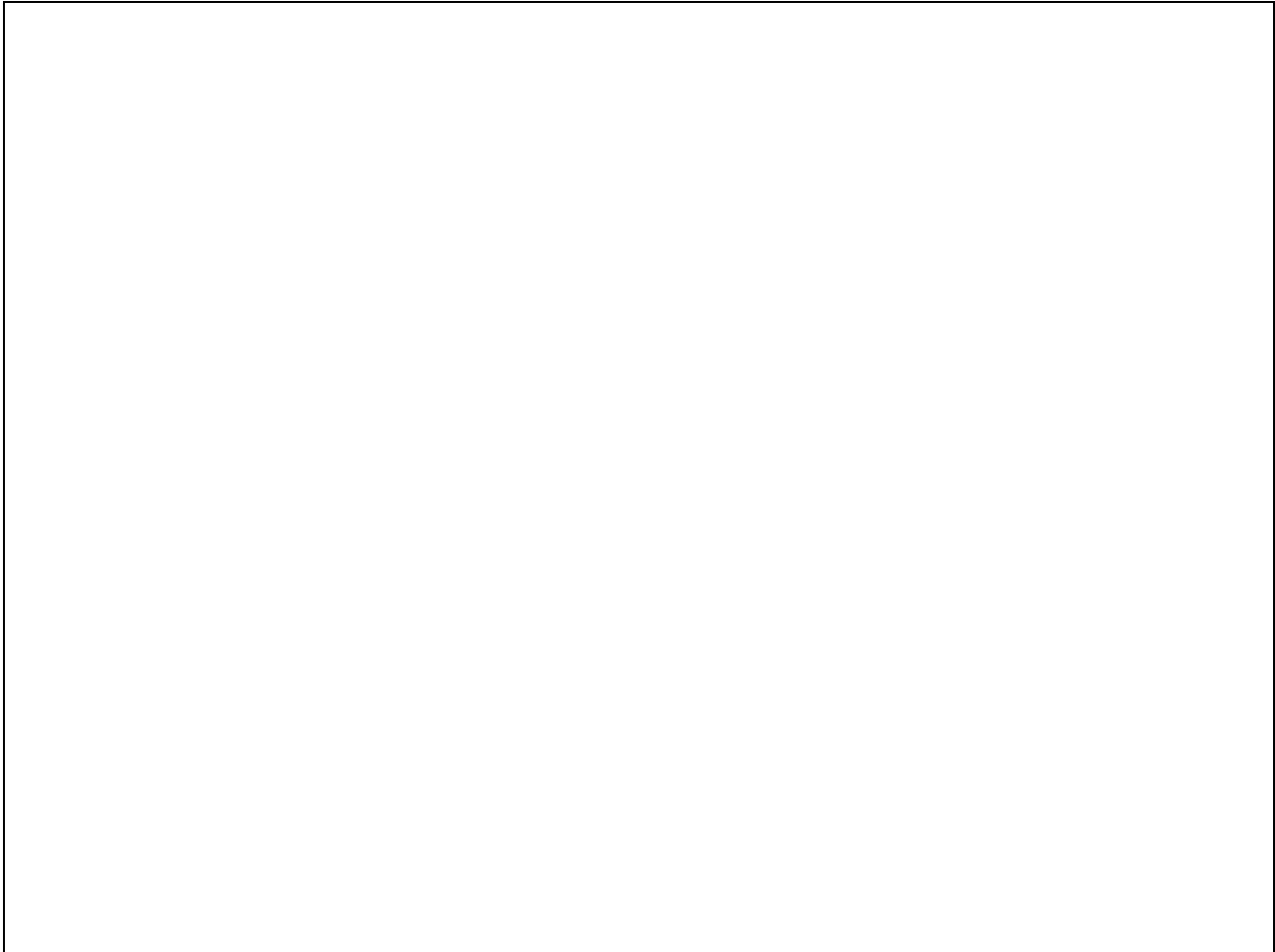
NO	PART NAME	PART CODE	SPECIFICATION	Q'TY	REMARK
1	ASS'Y CABINET		ASS'Y	1	
2	DRN HOSE (B) AS	4019C44200	ASS'Y	1	
2-1	HOSE DRN (B)	4004Q44264	PE	1	
2-2	CAP DRN (B)	41019G03940	NR	1	
3	BASE COMP SAS	3010302512	ASS'Y	1	
3-1	BASE COMP	3010303910	SGCC1	1	
3-2	CASTER	3016500210	PP	2	
3-3	PIN CASTER	3014900300	SWRM10	2	
4	PLT AUX-CON AS	3114502304	ASS'Y	1	
5	BOLT HEX	7650601611	6B-1 6x 16 MFZN	4	
6	BRKT ADJ-FT ASS'Y	4017Z40622	ASS'Y	2	
7	DEO AS	3011101800	CASE+DEO+SEAL	1	
8	BOLT HEX	7650601611	6B-1 6x16 MFZN	4	
9	ASS'Y R*S M/F*L	3010037202	ASS'Y	1	
10	ASS'Y R*S M/F*R	3010037300	ASS'Y	1	
10-1	SENSOR R AS	3014801002	PBN-43	1	
11	ASS'Y CHILD DUCT	3010029791	ASS'Y	1	
12	SOCKET LAMP ASS'Y	3017901321	PS103	1	
12-1	SCREW TAPPING	7112401211	T1 TRS 4x 12 MFZN	3	
13	LAMP ASS'Y			2	REFER TO #4
14	WINDOW R	3015501200	SAN	1	
15	SWITCH DR AS	3018100010	2-BUTTON 4-PIN	1	
16	FIXTURE SHELF	3012000303	HIPS	2	
17	COVER CUBIC DUCT	3011418102	PP	4	
18	COVER F M/F DUCT (A)	3011406600	ABS	1	
18-1	SOCKET F LAMP ASS'Y	3017900802	PS103	1	
18-2	LAMP ASS'Y			1	REFER TO #4
19	SCREW TAPPING	7112401211	T1 TRS 4x12 MFZN	4	
20	WINDOW F	3015500400	PC	1	
21	MOTOR F ASS'Y		ASS'Y	1	
21-1	MOTOR F			1	REFER TO #4
21-2	BUSH*Q	4017Z08430	EPR-B3	2	
21-3	MOUTH BELL	3018500100	HIPS	1	
21-4	COVER FAN MOTOR (B)	4017Z32244	HIPS	1	
21-5	COVER FAN MOTOR (C)	4017Z32233	HIPS	1	
21-6	FAN	3011800400	ABS	1	
22	MOTOR R ASS'Y		ASS'Y	1	
22-1	MOTOR R			1	REFER TO #4
23	SCREW TAPPING	7112402011	T1 TRS 4x20 MFZN	4	
24	HINGE * U ASS'Y	3012906100	ASS'Y	1	
25	SPECIAL SCREW	3016000600	M6x20 MFZN	4	
26	SPECIAL WASHER	7400108511	T1.5	1	

NO	PART NAME	PART CODE	SPECIFICATION	Q'TY	REMARK
27	ABSORBER COMP	3010100201	NR	4	
28	COMPRESSOR			1	REFER TO #3
29	WASHER SPECIAL	4019H090630	SWRH	4	
30	SWITCH P-RELAY ASS'Y			1	REFER TO #3
31	RELAY BAND	3816100100	SK-5.T0.7	1	
32	DRYER ASS'Y			1	REFER TO #5
34	CORD POWER ASS'Y				REFER TO #6
35	SCREW MACHINE	7002401065	TRS 4x10 BSNI	1	
36	SCREW TAPPING	7112401211	T1 TRS 4x12 MFZN	1	
37	DOOR *R URT ASS'Y			1	REFER TO #7
38	GASKET R DR ASS'Y	3012305802	PVC-S	1	5101NT
		3012305902	PVC-S	1	5401NT
39	DOOR *F URT ASS'Y			1	REFER TO #7
40	GASKET F DR ASS'Y	3012305700	PVC-S	1	
41	PANEL *F CONTL ASS'Y	3014204600	ASS'Y	1	
41-1	SCREW TAPPING	7121300811	T2 PAN 3x8 MIFZ	2	
41-2	PCB *F ASS'Y	3014364120	ASS'Y	1	
41-3	PANEL *F CONTL	3014204000	ABS	1	
41-4	SCREW TAPPING	7125401211	T2TRS FLT 4x12 MFZP	2	
42	PLT FCP NAME	3014518100	PC FILM	1	
43	PLT TANK EBLM ASS'Y	3014524600	ASS'Y	1	
44	HINGE *M ASS'Y	3012906300	ASS'Y	1	
45	SPECIAL SCREW	3016000220	M6x16 SWCH22A	2	
46	HINGE *T ASS'Y	3012908600	ASS'Y	1	
47	SPECIAL BOLT	3016001800	M6x16 MFZN	4	
48	COVOR *T HINGE	3011429500	PP	1	
49	TRANS POWER			1	REFER TO #5
50	SCREW TAPPING	7112401211	T1 TRS 4x12 MFZN	2	
52	PCB MAIN ASS'Y		N8061	1	REFER TO #5
53	COVER MAIN PCB	3011410000	PP	1	
54	SCREW TAPPING	7112401211	T1 TRS 4x12 MFZN	2	
55	INSUL F LOUVER ASS'Y	3013312910	ASS'Y	1	
56	BRACKET F SENSOR	4017229010	SCP1	1	
57	LOUVER F ASS'Y	3018904001	ASS'Y	1	
58	GRILL	3012400502	PP	1	
59	SCREW TAPPING	7112401211	T1 TRS 4x12 MFZN	5	
60	POCKET F*T	3079002130	GPPS	1	
61	POCKET F*U	3019002210	GPPS	1	
62	POCKET MULTI	3019002030	GPPS	2	
63	CASE EGG	3011103900	GPPS	2	
64	POCKET BOTL *A	3019010200	GPPS	1	
65	POCKET BOTL *B	3019002630	GPPS	1	
66	SHELF F	3017806700	SAN	1	

NO	PART NAME	PART CODE	SPECIFICATION	Q'TY	REMARK
67	GUIDE ICING	3012503500	HIPS	1	
68	CASE ICING	3011106000	PP	1	
69	CASE ICE	3010504301	SAN	1	
70	COVER ICE CASE	3011409100	SAN	1	
71	DOOR CHILD	3011705620	GPPS	1	
72	CHILD BASKET	3011102300	GPPS	1	
73	SHELF R	3017806800	SAN	2	
74	COVER VEGTB ASS'Y	3011420010	ASS'Y	1	
74-1	CASE VEGTB COVER	3011418400	GPPS	1	
74-2	KNOB VEGTB COVER *A	3013400400	ABS	2	
74-3	KNOB VEGTB COVER *B	3013400500	ABS	2	
75	PLT VEGTB BOX DV	3014504600	GPPS	1	
76	CRISPER *L	3010507400	GPPS	1	
77	CRISPER *R	3010507410	GPPS	1	
78	BOILD	4010G30661	PP	1	
79	COVER CAB BRACKET	3011429600	PP	1	
80	FOOT ADJ ASS'Y	4017Z40192	ASS'Y	2	
81	HANDLE F	3012605700	ABS+CR	1	
82	SCREW TAPPING	7112401211	T1 TRS 4x12 MFZN	6	
83	DECORATOR F HANDLE	3011602500	ABS+CURFIT	1	
84	HANDLE R	3012605800	ABS+CR	2	
85	DECORATOR R HANDLE	3011602600	ABS+CURFIT	1	

5-16. Machine Room Exploded View And Parts List

1) FR-5101NT, 5401NT



NO	PART NAME	NO	PART NAME	NO	PART NAME
1	BASE COMPRESSOR	9	DRYER	17	BIND WIRE
2	COMPRESSOR	10	PIPE CON(SUC)	18	PLUG POWER AS
3	ABSORBER COMPRESSOR	11	VIBRATIONPROOF GUM	19	SCREW MACHINE
4	WASHER COMP. *T	12	PIPE CON (AUX)	20	PIPE CON(HOT)
5	SWITCH P-RELAY AS	13	HOSE DRAIN(B)	21	TAPE OPP
6	BAND RELAY	14	VIBRATIONPROOF MASS	22	PIPE CON(P.A)
7	TAPE COTTON	15	SCREW TAPPING		
8	PIPE SERVICE	16	COVER CONNECTOR		