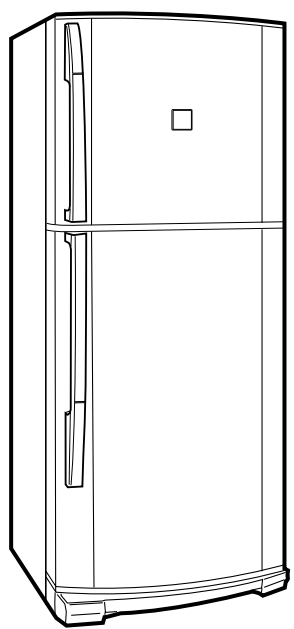


SHARP SERVICE MANUAL

S9334SE68DPU1



REFRIGERATOR-FREEZER

MODELS

SJ-59M-SL1/WH1

SJ-69M-SL1/WH1

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

DESTINATION 1

Refrigerant; HFC-134a
Refer to "HFC-134a COOLING UNIT" Service Manual for handling this refrigerant.

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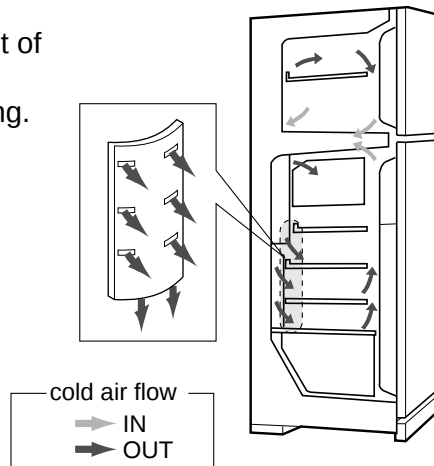
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CAUTIONS AND INFORMATIONS

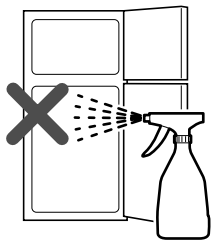
In case of following troubles, the cause is not related with the failure of refrigerator.
Please mention the correct way to the customer for the use of refrigerator when the repairing.

1. Some foods freezed in the refrigerator compartment.

Do not place food directly in front of cold air outlet.
This may lead to the food freezing.



2. Some plastic parts were cracked or splitted.



Some household cleaning chemicals may affect the internal food liner and plastic parts resulting in splitting or cracks occurring.

When cleaning all plastic parts inside this refrigerator, only use diluted dishwashing liquid(soapy water). Make sure that all plastic parts are thoroughly rinsed with water after cleaning.

3. IT IS NORMAL for the refrigerator to produce the following sounds.

Cracking or crunching sound;

Sound produced by expansion and contraction of inner walls and internal parts during cooling.

Squeaking sound;

Sound produced by expansion and contraction of internal parts.

Sound of flowing fluid (gurgling sound, fizzing sound);

Sound of refrigerant flowing in pipes (sound may become louder from time to time).

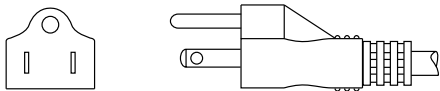
SPECIFICATIONS

Items		SJ-59M	SJ-69M
Type		2-Door	2-Door
Outer dimensions	Height	1620mm(63.8")	1820mm(71.6")
	Width	760mm(29.9")	760mm(29.9")
	Depth	740mm(29.1")	740mm(29.1")
Rated storage volume (Rated volume)		492 liter (17.4 cu.ft) F: 151 liter (5.3 cu.ft) R: 341 liter(12.1 cu.ft)	577 liter (20.4 cu.ft) F: 151 liter (5.3 cu.ft) R: 426 liter(15.1 cu.ft)
Gross volume		526 liter (18.6 cu.ft) F: 177 liter (6.3 cu.ft) R: 349 liter(12.3 cu.ft)	606 liter (21.4 cu.ft) F: 177 liter (6.3 cu.ft) R: 429 liter(15.1 cu.ft)
Defrosting	System	Heater system	
	Start	Automatic	
	Finish	Automatic	
Temperature control		Automatic (Adjustable)	
No-frost freezer		Yes	
Interior lamp		2	
Caster		4	
Evaporating pan		1	
Refrigerator Compartment	R glass shelf ass'y	2	3
	V glass shelf ass'y	1	
	Vegetable case	1	
	V parting plate	1	
	R door pocket	1	2
	Egg tray	2	
	Bottle pocket	2	
	Utility case pocket	1	
	Fresh case	1	
	Tube stand	2	
Freezer Compartment	Freezer shelf ass'y	1	
	Ice cube maker	Twin ice cube maker	
	Ice storage box	1	
	F door pocket	2	
Deodorizing unit		2 (Honeycomb type)	

RATING

Items		SJ-59M	SJ-69M
Rated voltage		110V~	
Rated frequency		50Hz	
Rated current	(A)	2.9	
Rated input of heating systems	(W)	140	
Rated voltage		110-120V~	
Rated frequency		60Hz	
Rated current	(A)	2.9-3.0	
Rated input of heating systems	(W)	140-165	
Climate class		ST	
Refrigerant (Charging quantity)[Non-flammable]		HFC-134a(120g)	HFC-134a(130g)
Insulation blowing gas [Flammable]		Cyclo pentane (HC)	
Net Weight	(kg)	83	90

PLUG TYPE

Plug cord	3 pin
Plug type	A-2(UL type) 
Destination mark	1

COLOR

Items	-SL1	-WH1
Outside color	Silver	White
Inside color	White	

DESIGNATION OF VARIOUS PARTS

The names in parenthesis" []" are the denominations used in the REPLACEMENT PARTS LIST.

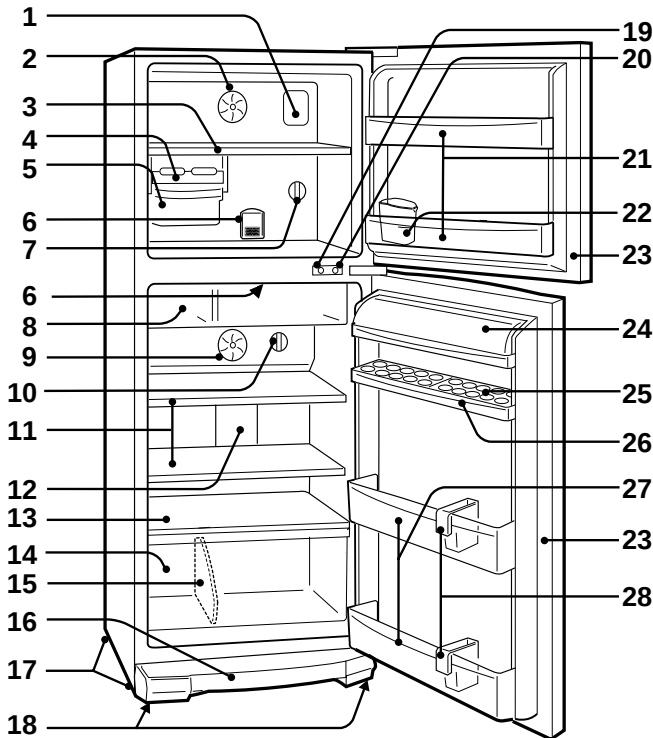
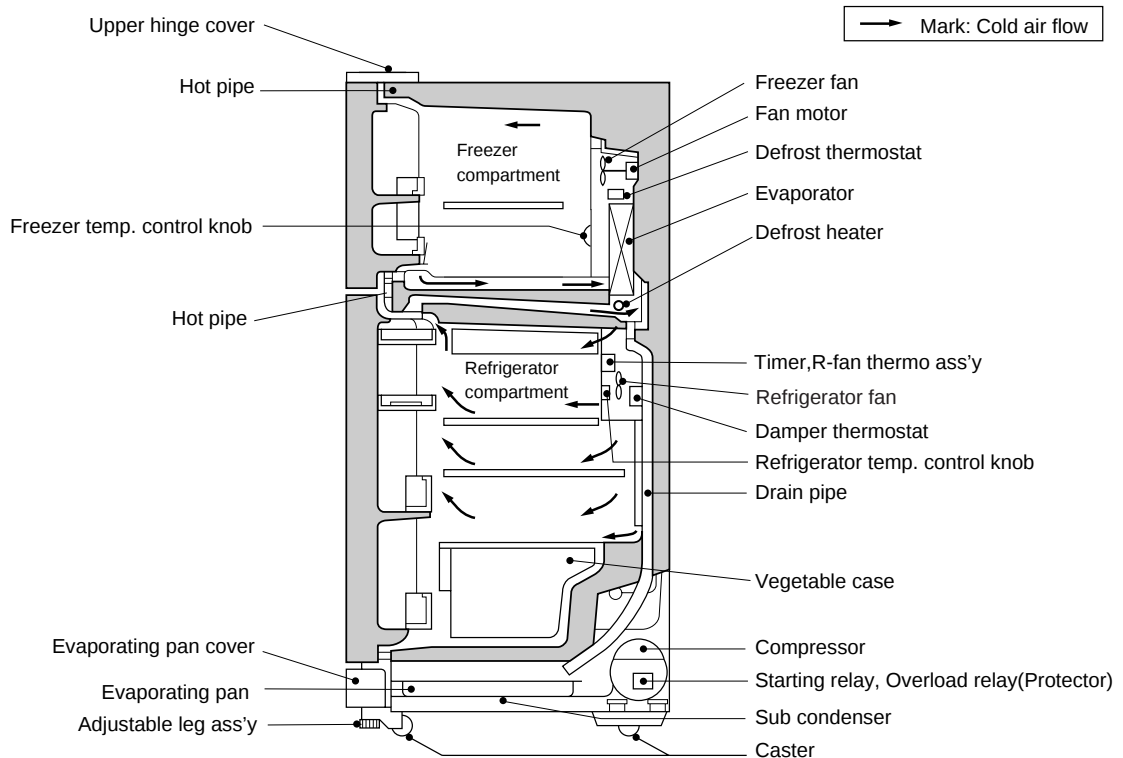


Figure D-1. External Description

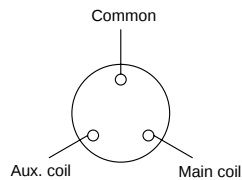
1. Freezer light [Lamp]
2. Freezer fan
3. Freezer shelf [F shelf ass'y]
4. Ice cube maker
5. Ice cube box [Ice storage box]
6. Deodorizing unit
7. Freezer temp. control knob
8. Fresh case [Chilled case]
9. Refrigerator fan
10. Refrigerator temp. control knob
11. Refrigerator shelf [R glass shelf ass'y]
(59 type; 2 shelves, 69 type; 3 shelves)
12. Refrigerator light [Lamp]
13. Shelf [V glass shelf ass'y]
14. Vegetable crisper [Vegetable case]
15. Separator plate [V parting plate]
16. Evaporating pan & cover
17. Casters
18. Adjustable feet [Adjustable leg ass'y]
19. Fan & light switch for freezer
20. Fan & light switch for refrigerator
21. Freezer pocket [F door pocket]
22. Water supply cup [Water cup]
23. Magnetic door seal [Door packing]
24. Utility case [Utility case pocket]
25. Egg holder [Egg tray]
26. Free pocket [R door pocket]
(59 type; 1 pocket, 69 type; 2 pockets)
27. Bottle pocket
28. Bottle guard [Tube stand]



• This figure shows SJ-59M

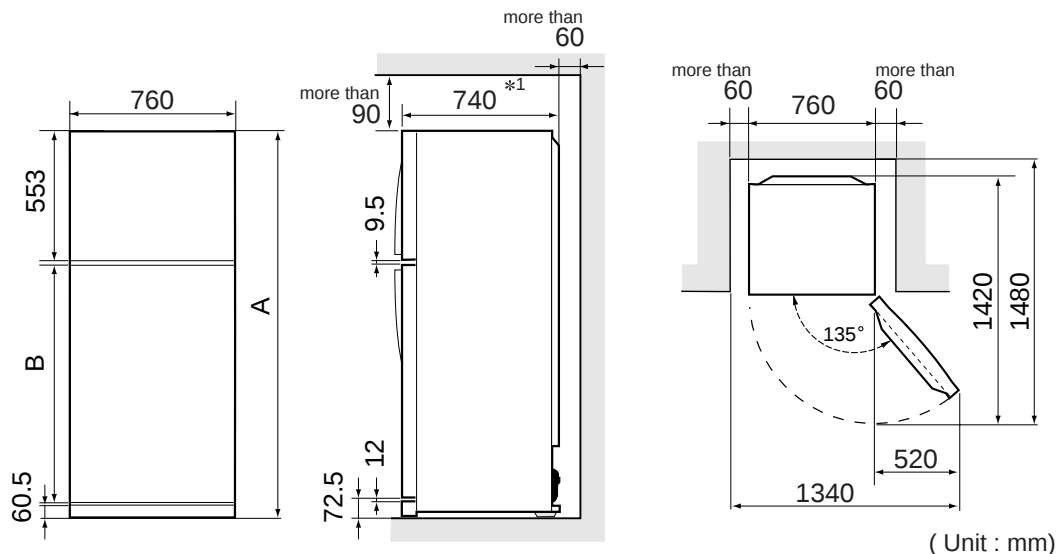
Figure D-2. Constructions

LIST OF ELECTRICAL PARTS

ITEMS	TYPE NAME	RATING	SPECIFICATIONS
Thermostat	MM1-8123	125V 6A 250V 3A	(At normal notch) ON/OFF : -19/-24°C
Defrost thermostat	S101	250V 8A	Open/Close : 10/1°C
Thermo. fuse	SF70E	250V 10A	Working temp. : 70°C
F-fan motor	3R00171	110-120V 60Hz	Working with ø100 fan
R-fan motor	3R00122B	100V 50/60Hz 110V 60Hz	Working with ø80 fan
(R-fan fuse)	123	250V 2A	Cut OFF 130°C
Defrost heater	MM6-4286	110-120V 88.2Ω	150W at 115V
Door switch	DSD-5	250V 0.25A	4 terminals push-button type
Damper thermostat	MM1-6176	—	Open/Close : 2/-3°C
Defrost timer	TMDFX04FB2	110-127V 50/60Hz	Integration type Cycle time : 12h / 10h (50/60Hz) Delay time : 4.8m / 4.0m (50/60Hz)
Lamp socket (F/R)	—	250V 1A	E-12(Hard plastic body type)
F-lamp	—	130V 10W	E-12
R-lamp	—	130V 15W	E-12
R-fan thermo. ass'y	R-fan thermo. S101	250V 8A	Open/ Close : 7/15°C
	R-fan thermo.heater RSS2	350V, 2W, 10kΩ	1.1W at 230V
Compressor	FGI85HAK	115V/60Hz	Cooling capacity : 209kcal/h(60Hz) Main coil : 1.78 Ω Aux. coil : 6.8 Ω (at 25°C) 
Starting relay	PTH7M4R7MC1	—	4.7 Ω ± 20% (at 25°C) 180V
Overload relay(Protector)	4TM771RFBZZ	—	Open/ Close : 130°C / 61°C

DIMENSIONS

OUTER DIMENSIONS AND CLEARANCE

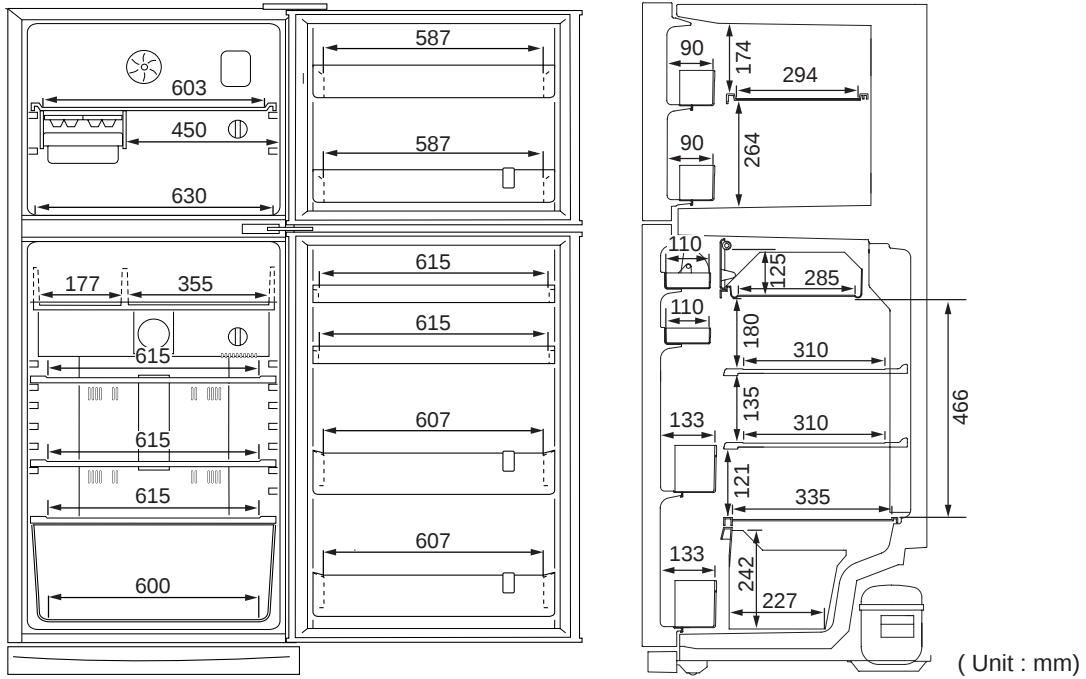


	SJ-59M	SJ-69M
A	1620	1820
B	979	1179

*1 Include the panel/badge. Not include the handle.

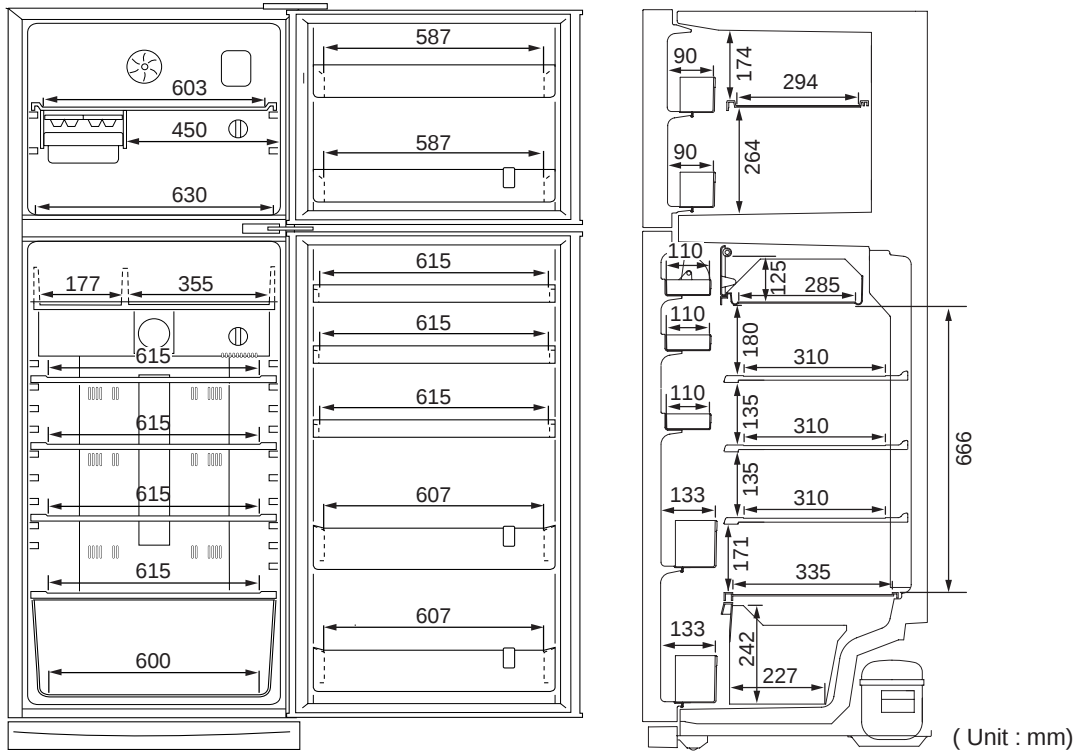
Fig. E-1

INNER DIMENSIONS



The dimensions between shelves can be changed by setting the shelves on the other rails.

Fig. E-2 (SJ-59M)



The dimensions between shelves can be changed by setting the shelves on the other rails.

Fig. E-3 (SJ-69M)

WIRING DIAGRAM

Be sure to replace the electrical parts with specified ones for maintaining the safety and performance of the set.

G : GRAY
BR : BROWN (Live)
OR : ORANGE
Y : YELLOW
R : RED
P : PINK
B : BLUE (Neutral)
BK : BLACK
SB : SKY-BLUE
G-Y : GREEN-YELLOW (Earth)
W : WHITE

● CONNECTED IN TERMINAL BOX

□ CONNECTOR

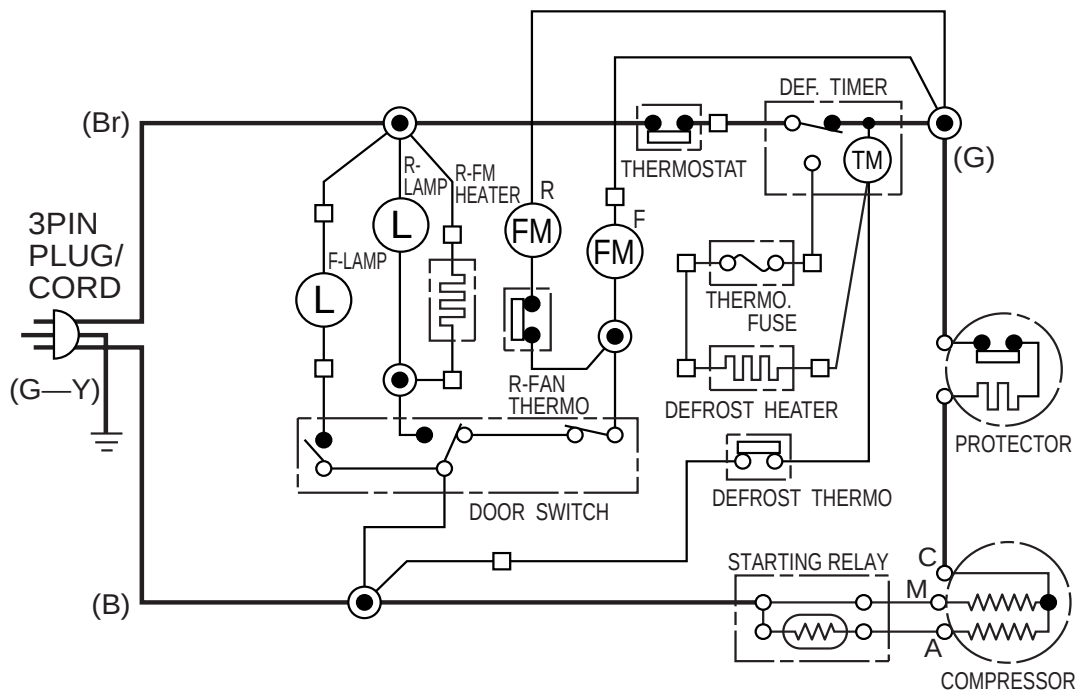


Figure W-1. Wiring Diagram

Figure W-2. Wiring Diagram (SJ-59M,69M)

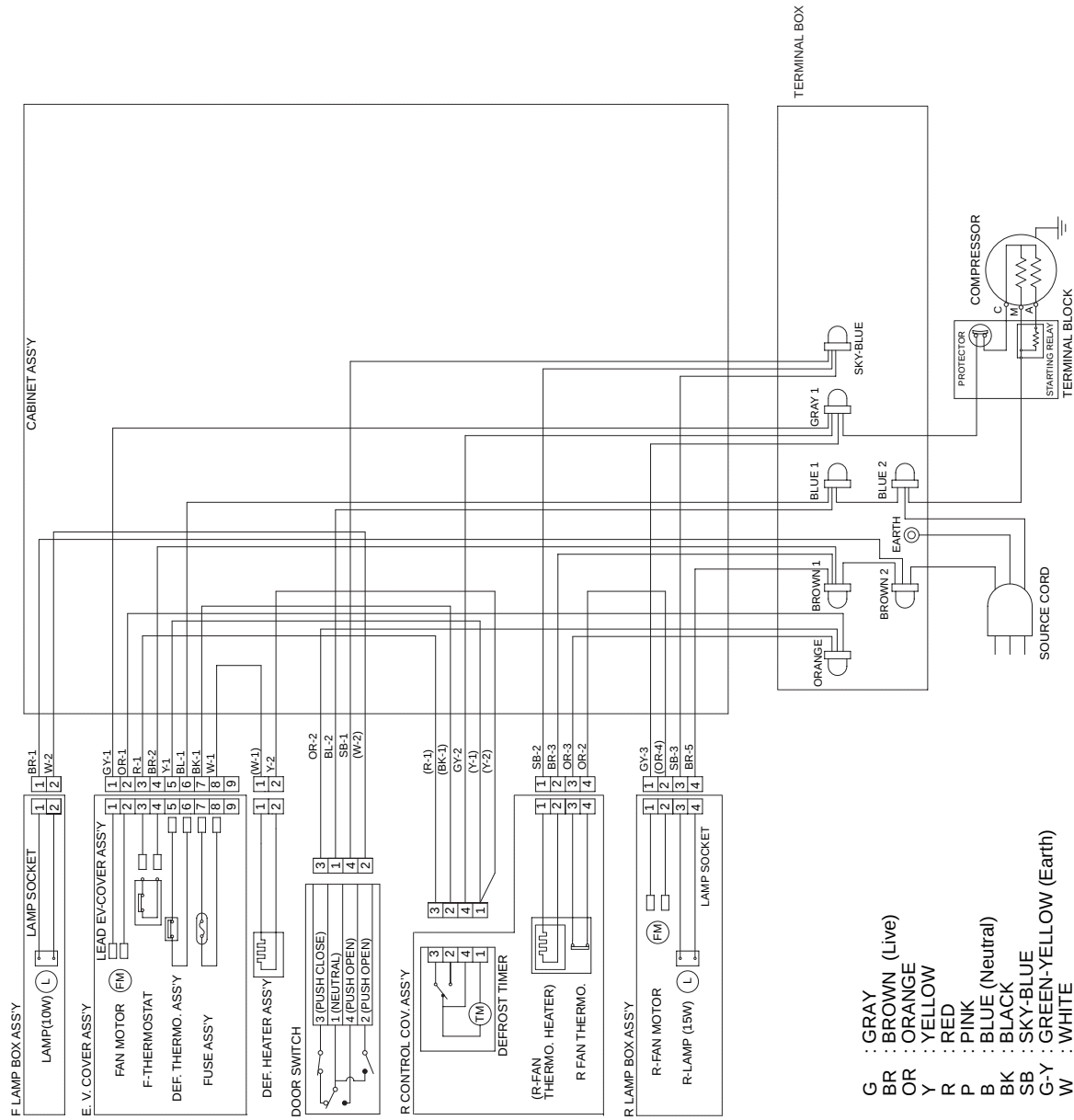


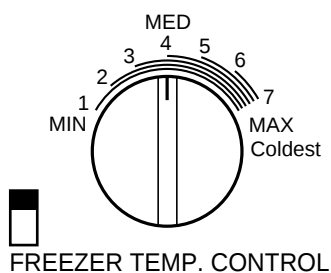
Figure W-2. Electric Accessories Layout

FUNCTIONS

1. ADJUSTABLE TEMPERATURE CONTROL

(1) Temperature control of freezer

- Thermostat (senses freezer temperature) operates on ON/OFF switchover to control the compressor and cool air circulating fan (F-fan motor) , and allows the freezer temperature to keep at a suitable temperature.
- However adjust the freezer temp. control knob as follows depending upon the storing condition of foods.



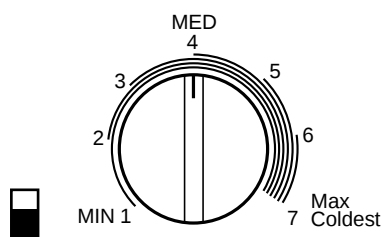
FREEZER TEMP. CONTROL

Figure F-1.

KNOB SETTING	PURPOSE
MAX(Coldest)	• For making ice rapidly or fast freezing.
▲	• When restocking with fresh food.
MED	• For normal freezing.
▼	• For storing frozen food for a short period (up to one month).
MIN	• When frozen food or ice cream is not stored.

(2) Temperature control of refrigerator

- Damper-thermostat senses temperature of the refrigerator and changes the opening angle of the damper automatically.
However, as the Damper-thermostat has no function to switch on or off the compressor and F-fan motor, the freezer temperature control causes temperature in the refrigerator to vary to some extent.
- However, adjust the refrigerator temp. control knob as follows depending upon the cooling condition.



REFRIGERATOR TEMP. CONTROL

Figure F-2.

KNOB SETTING	PURPOSE
MAX (Coldest)	• For keeping freshness of food longer.
▲	• When the refrigerator does not provide sufficient cooling.
MED	• For normal operation.
▼	• When the refrigerator provides excessive cooling.
MIN	

- When the temperature of the refrigerator is higher, R-fan thermo. senses the temperature and the refrigerator is cooled efficiently by running of R-fan motor.
R-fan thermo. heater energizes when the door is opened intend to promote to running of R-fan motor.

- NOTE:
- The refrigerator temperature is affected also by the freezer temperature. If the freezer temp. control knob is set at the position "MAX", the temperature tends to be lower than the following values, and if set at near the position "MIN", temperature tends to be higher.
 - If the refrigerator is operated for a long time with the freezer temperature control sets the "MAX" position, foods stored in the refrigerator compartment may also freeze.
 - When refrigerator temperature control sets to the "MAX", some foods stored may freeze.
In this case adjust control set back to the "MED" position.
 - When refrigerator temperature control sets to the "MAX", some foods stored in fresh case may also become frozen.

(3) Reference value of temperature

SETTING OF FREEZER TEMP. CONTROL KNOB	MAX (Coldest)	MED	MIN
Freezer temperature	Approx. -21°C	Approx. -18°C	Approx. -15°C

SETTING OF REFRIGERATOR TEMP. CONTROL KNOB	MAX (Coldest)	MED	MIN
Refrigerator temperature	Approx. 0°C	Approx. 3°C	Approx. 6°C
Fresh case temperature	Approx. -3°C	Approx. 1°C	Approx. 4°C

The values shown above refer to the case where the freezer temp. control knob is set at "MED".

The values shown above refer to the measurement carried out center area and 1/3 of overall height from the bottom at each of the refrigerator and the freezer after machine has been operated at an ambient temperature of 30°C with no food stored and the door closed until the temperature is stabilized.

The values vary depending upon frequency of opening and closing the door, ambient temperature, amount of stored foods and manner of storing foods.

2. DEFROSTING

(1) No defrosting operation is necessary

No defrosting operation is necessary.

As this machine is so designed that a built-in evaporator cools air and a fan circulates cooled air, neither the freezer nor the refrigerator is frosted, though the evaporator is frosted.

The frosted evaporator is defrosted automatically due to the function of defrosting timer and heater, requiring no defrosting operation.

(2) Where is melted frost brought

1. Melted frost is brought into the evaporating pan at the bottom of the set and is evaporated here by the heat of sub condenser.
2. Be sure that the evaporating pan is inserted correctly and is level.

(3) The following circuit diagrams in the table show automatic defrosting function of the refrigerator with timer and defrost thermostat.

Operation	Electric diagram	Description
1. Cooling (Normal)	● Defrost thermostat ON ● Compressor running ● Timer motor running Figure F-3.	The integration timer integrates running time of the compressor. When it reaches cycle time of defrost timer, the timer contact is changed to start defrosting.
2. Defrosting (Time 20 to 30 min.)	● Defrost thermostat ON ● Compressor stops ● Timer motor stops Figure F-4 .	● The timer contact is changed to start defrosting, the timer motor stops, and power is supplied to the defrost heater. ● It takes about 20 to 30 min. to defrost. When little frosted, the defrosting takes little time. When much frosted, the defrosting takes much time.
3. Drain (Time approx. 5 min.)	● Defrost thermostat OFF ● Compressor stops ● Timer motor running Figure F-5.	When the defrost thermostat becomes OFF, the timer motor starts running. During the operation time (delay time of defrost time) defrosted water is drained outside the refrigerator.
4. Restart (Time approx. 5 min.)	● Defrost thermostat OFF ● Compressor running ● Timer motor stops Figure F-6.	● Timer contact is changed to cooling operation and the compressor starts running and the timer motor stops. ● Defrost thermostat contact becomes ON when it's cooled. And the timer motor starts running. (Figure F-3.)

(4) As a reference to determine the causes of trouble, malfunction and phenomena are described below. Refer to the following when repairing.

1. Disconnection of defrost heater

As off-cycle defrosting is performed, the defrosting time is extremely prolonged. Each time defrosting is started, the freezer temperature rises and a portion of ice and stored foods are melted.

2. Melted thermo. fuse or opened-circuit due to the defect of defrost thermostat.

When the above mentioned trouble occurs in cooling operation, the timer motor does not run, defrosting will not take place, and consequently freezing is caused. In the above mentioned condition, when the timer shaft is turned by hand to defrost, the timer motor runs during the operation time. However, the motor stops from the time when the contact is changed, and freezing causes.

NOTE:

- As the thermo. fuse assembly is intended to prevent dangers, do not use it under shorted condition even for a short period.

3. DEW PREVENTION

The hot pipe, namely D.P.-condenser, is arranged around the flange part of cabinet and the C-partition plate, preventing dew from being generated on the cabinet.

NOTE:

- D.P.-condenser pipe may be felt hot if touched by hand while the compressor is in operation.
- If you are asked about this, please explain that the hot pipe serve to prevent the dew generation.

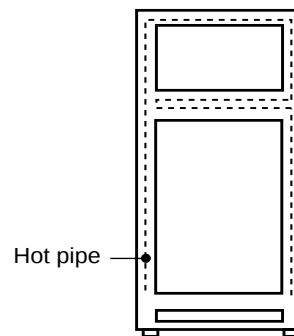


Figure F-7

4. INSPECTION OF INITIAL STARTING

(1) Inspection of cooling unit

1. Set the temperature control knob to "MAX" and check that the compressor starts to operate.
2. Depress the door switch to run the fan and check that cool air is blown out of the cold air outlet of the freezer and the refrigerator.
3. When the compressor does not work, check that the timer is not set to "defrost" position.
- 4 It takes about an hour and a half or two hours to put food in the refrigerator after starting operation.

NOTE:

- After return the temperature control knob to "MED" position.
- When the refrigerator is operated initially after installed, the compressor may vibrate excessively for 1 to 2 min. However, vibration becomes normal if it is continuously operated.

(2) Inspection of defrost device

Operate the refrigerator for 20 to 30 min. and then check the defrost device in the following procedures : Allow 5 min. to restart the compressor since immediate starting after stopping will cause unsmooth operation.

1. Turn the timer shaft clockwise with a screw driver.
At this time, make certain the timer clicks and the compressor stops.
2. After more than 5 min., turn the shaft further to operate.
Make certain cooling operation is started again.

ASSEMBLING PROCEDURES OF MAIN PARTS AND CAUTIONS

CAUTION: DISCONNECT THE UNIT FROM THE POWER SUPPLY BEFORE ANY REPAIRING.

1. R-CONTROL COV. ASSEMBLY

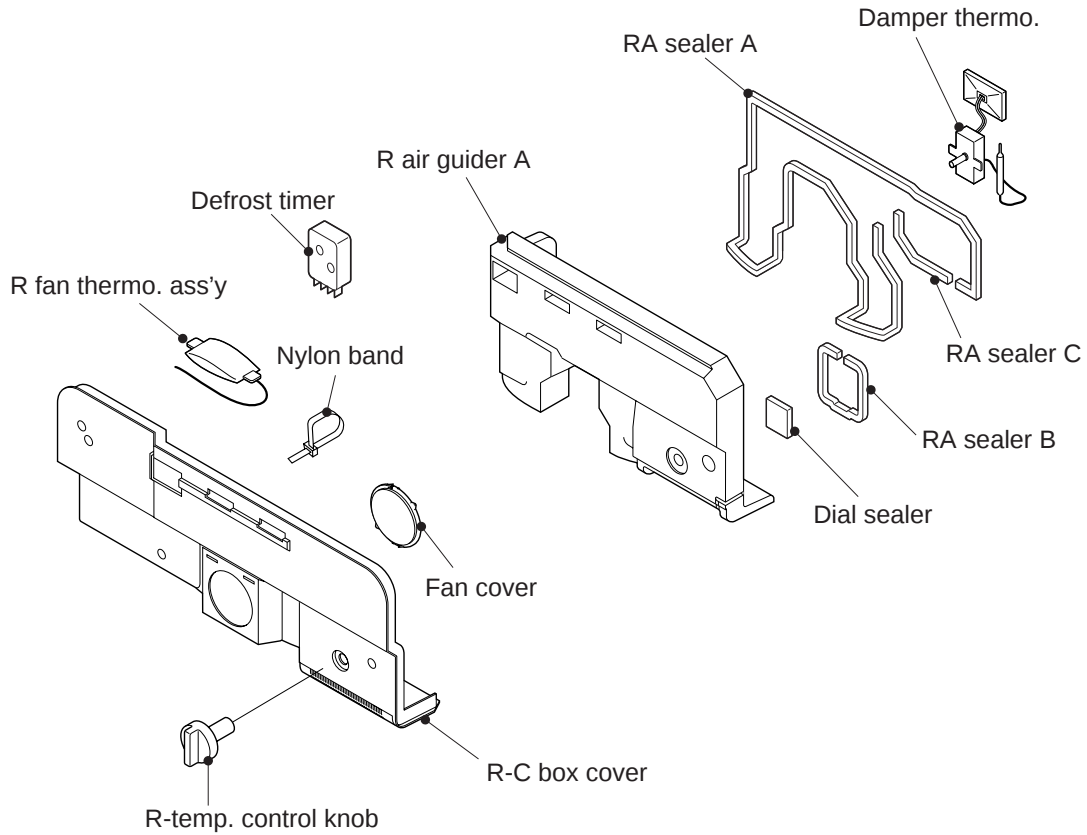


Figure A-1

(1) Forming sensor of Damper thermo.

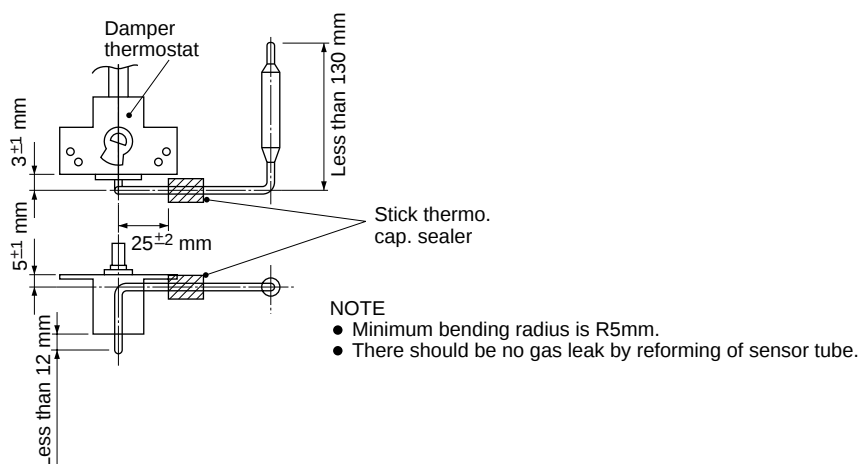


Figure A-2

After forming, fix it to the refrigerator.

(2) Sticking of sealers to R air guider A.

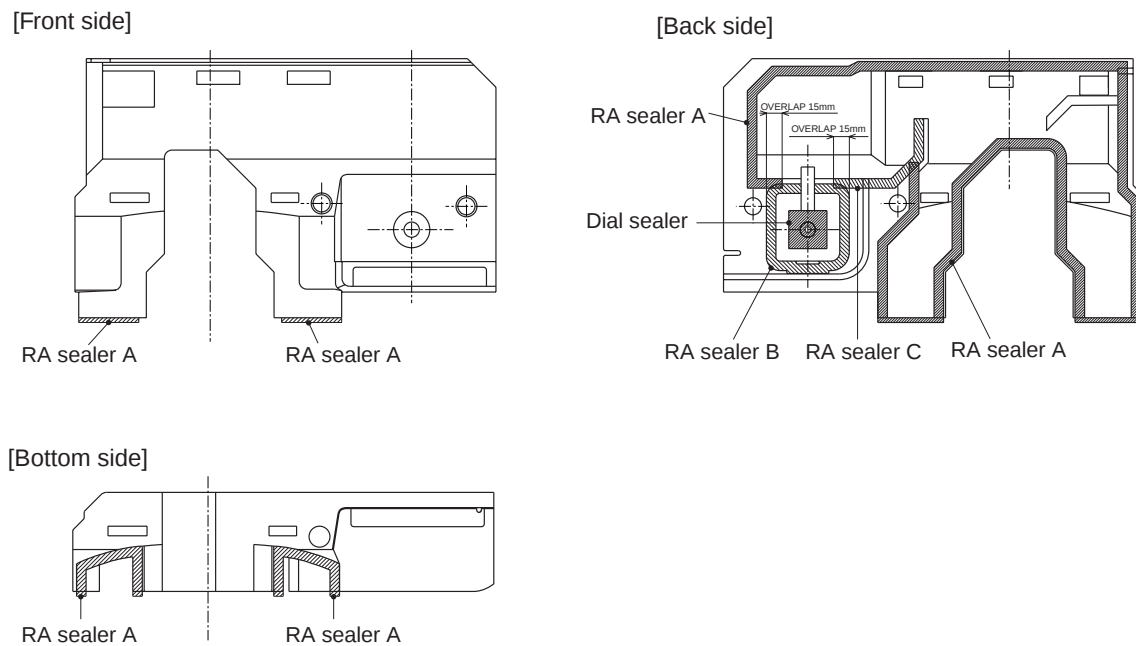


Figure A-3

(3) Fixing of Defrost timer, R fan thermo. ass'y cover to R-C box cover.

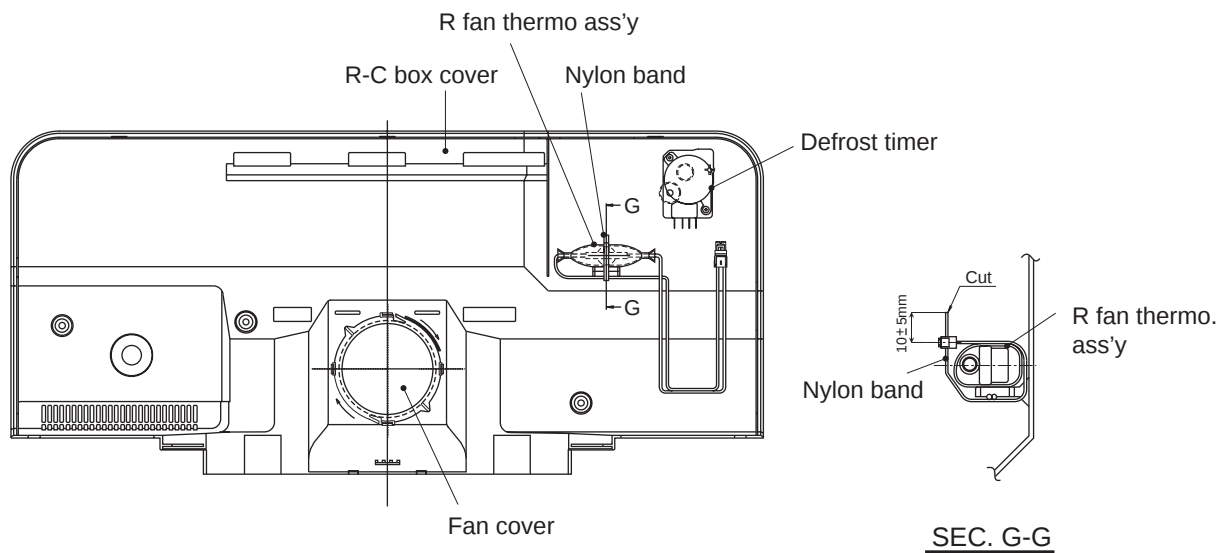


Figure A-5

Figure A-4

2. R LAMP BOX ASSEMBLY

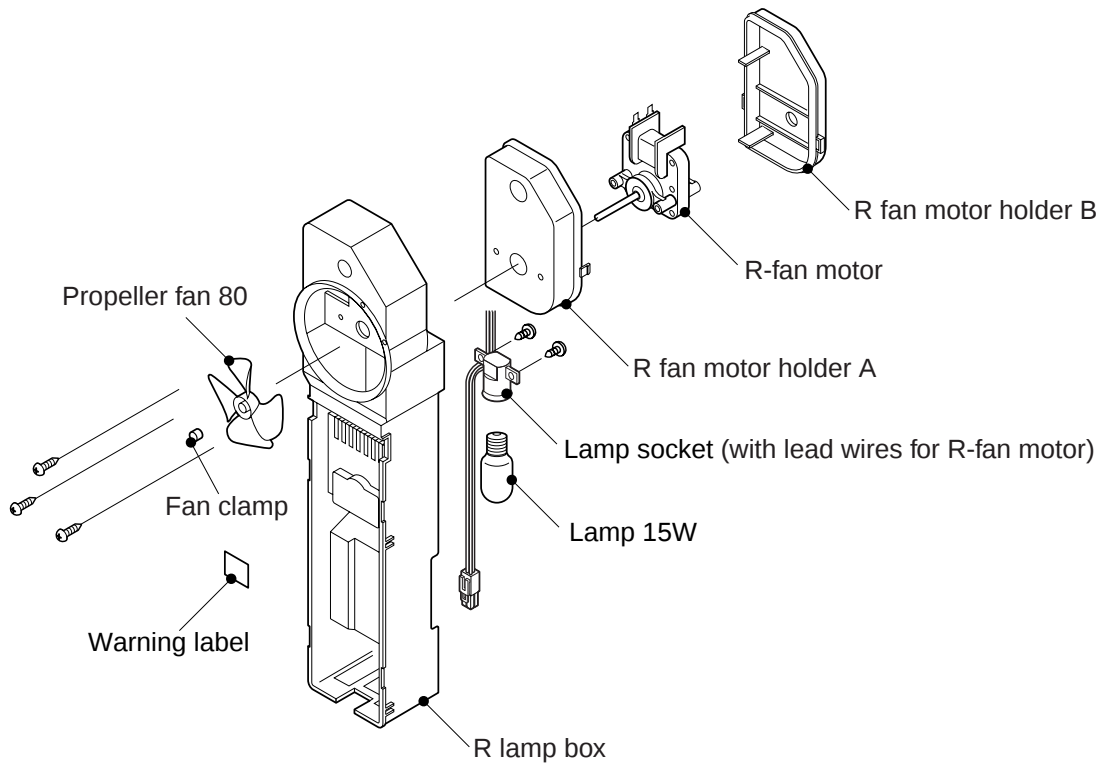


Figure A-6

(1) Fixing of Lamp and Lamp socket.

- (1)-1 Screw Lamp 15W into Lamp socket.
(1)-2 Fix Lamp socket on R lamp box by tapping screws.

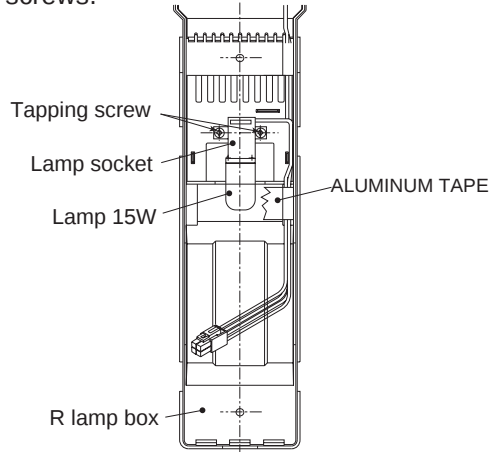


Figure A-7

- (1)-3 Insert the terminal of Lamp socket to R-fan motor.

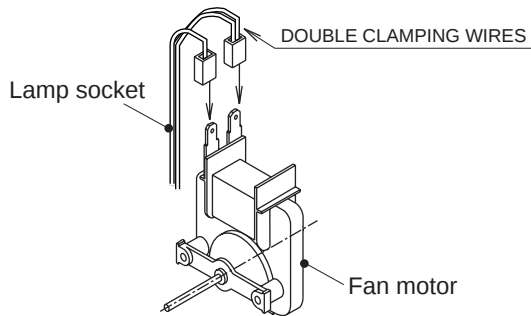


Figure A-8

(2) Fixing of R-fan motor and Fan

- (2)-1 Set R-fan motor holder A to R lamp box by tapping screw.
(2)-2 Set R-fan motor to R fan motor holder A by machine screw.
(2)-3 Set R fan motor holder B to A.

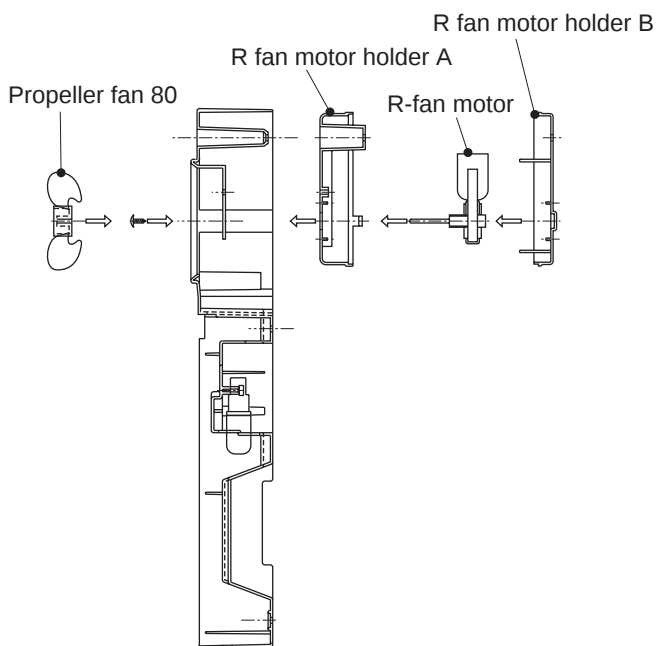
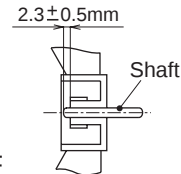
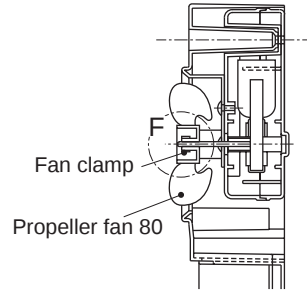


Figure A-9

- (2)-4 Set Fan clamp to Propeller fan 80 and insert it to the shaft of R-fan motor.



Detail of F

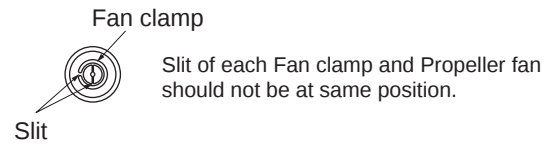


Figure A-10

- (3) Sticking Warning label.

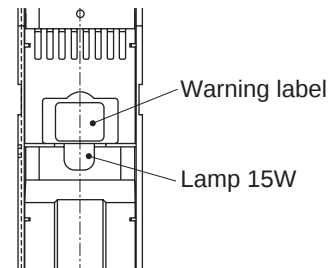


Figure A-11

3. E.V COVER ASSEMBLY

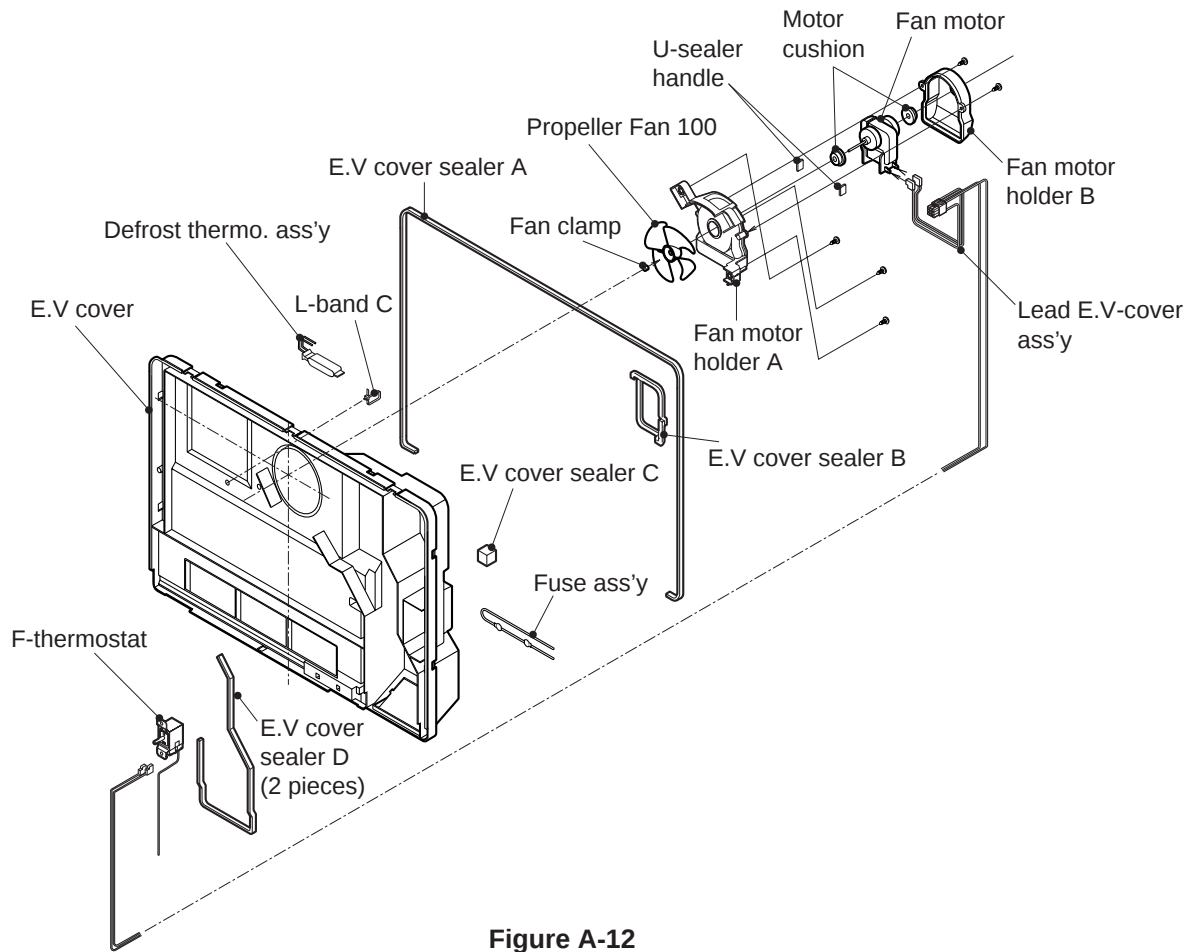


Figure A-12

(1) Sticking of Sealers to E.V cover

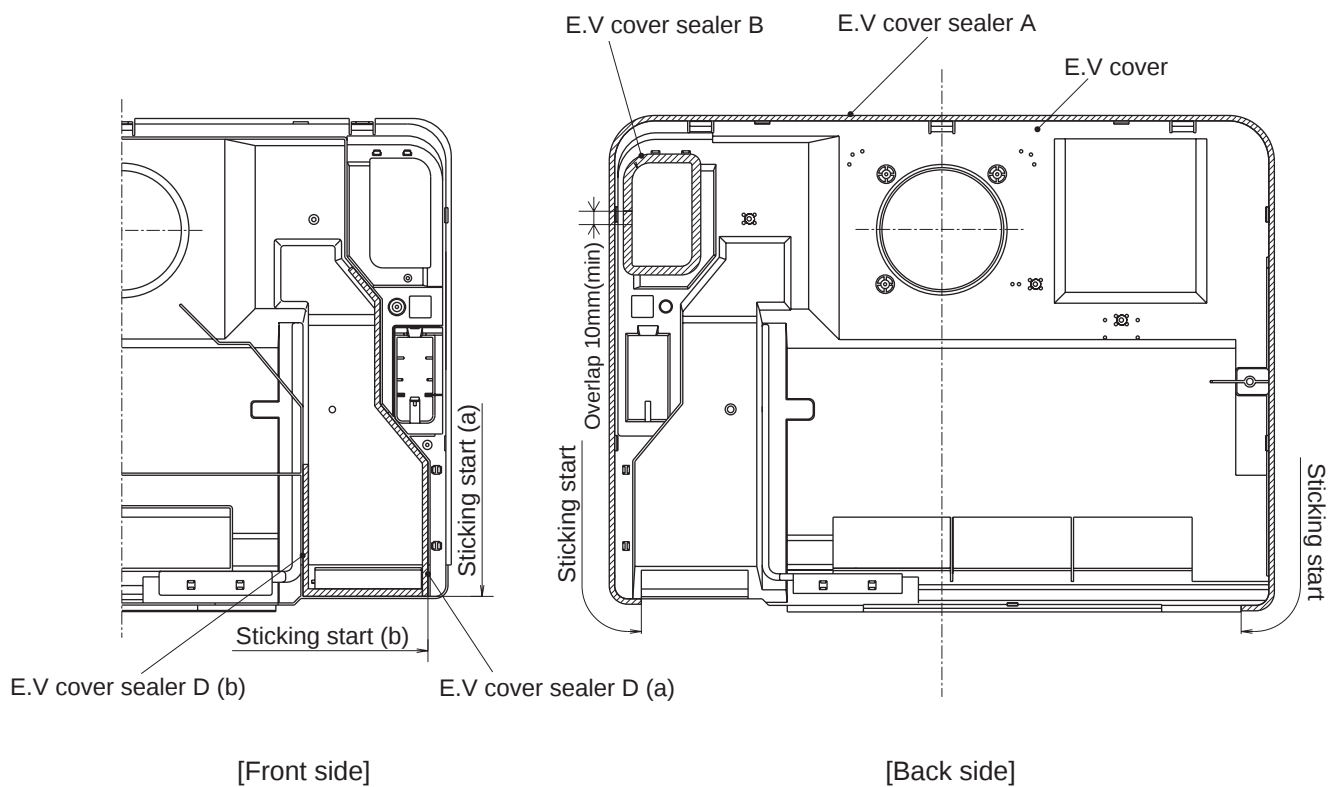


Figure A-13

(2) Fixing of Fan motor and Fan

(2)-1 Stick U-sealer handle to Fan motor holder A.

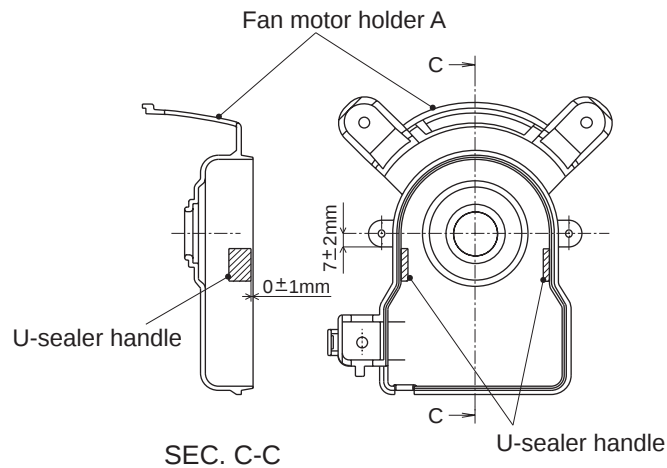


Figure A-14

- (2)-2 Insert the terminals of Lead EV-cover ass'y to R-fan motor.
- (2)-3 Fix two Motor cushions to R-fan motor, and set it at Fan motor holder A and B. Then fix with Tapping screw.

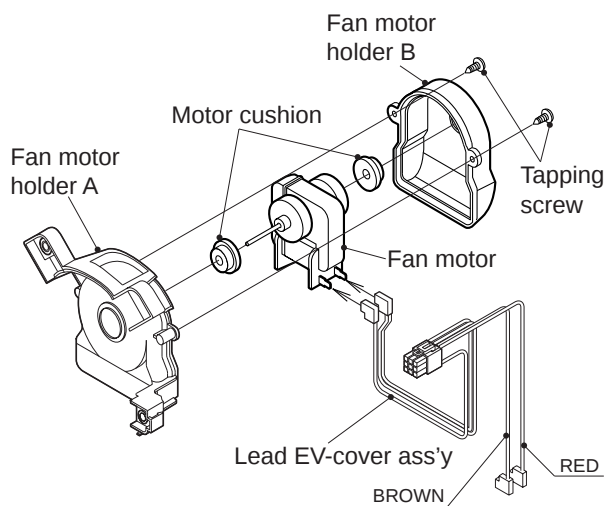


Figure A-15

- (2)-4 Set Fan clamp to Propeller fan 100 and insert it to the shaft of Fan motor.

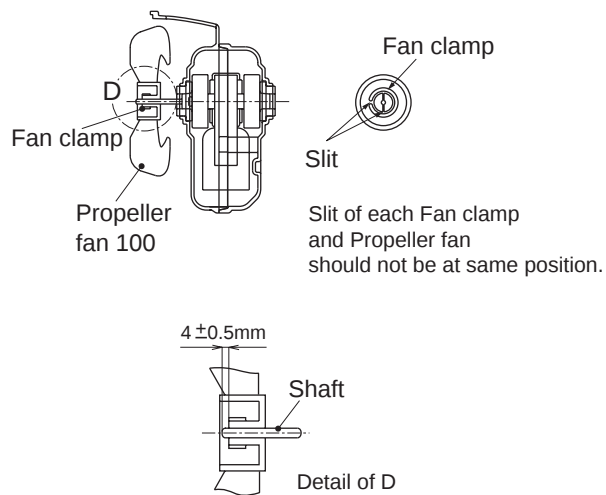


Figure A-16

(3) Setting of Fan motor ass'y , Defrost thermo. ass'y and Fuse ass'y

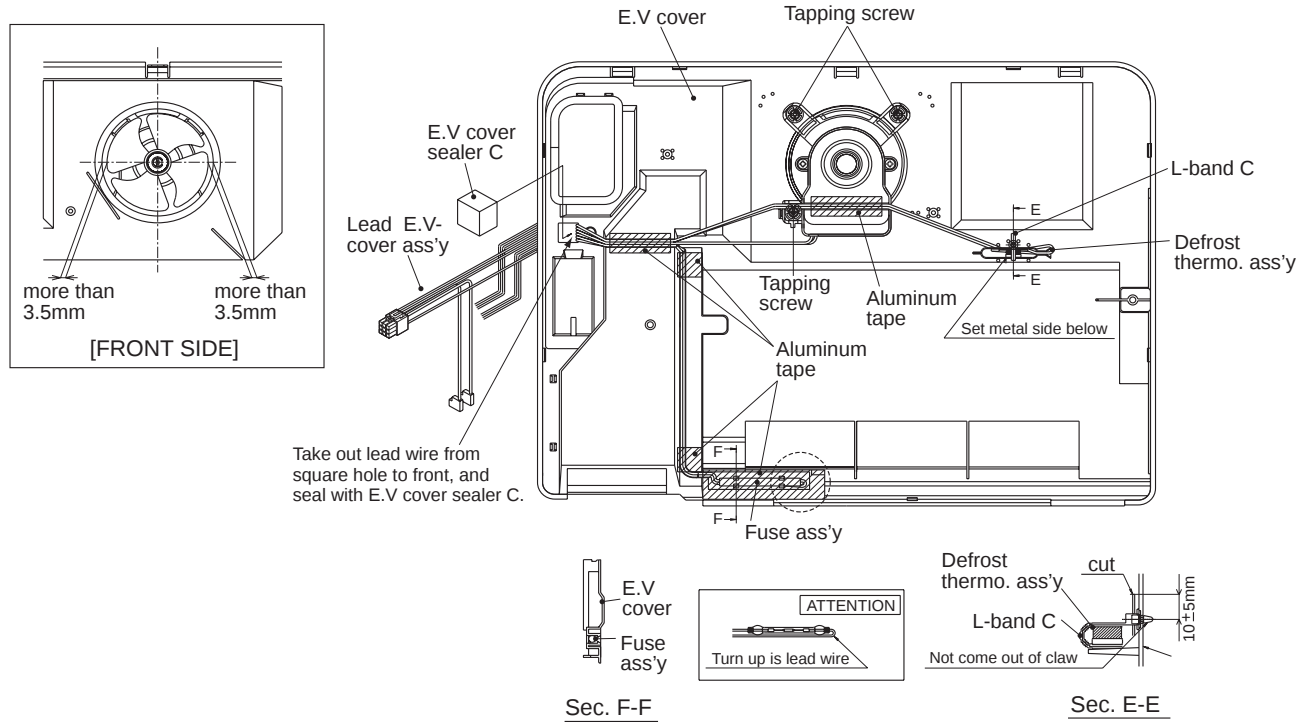
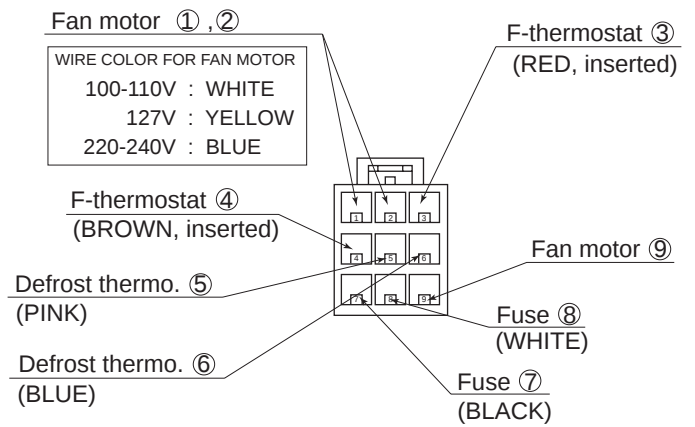


Figure A-17

(4) Inserting of pins



Note • Pins should be inserted surely,
and check by pulling it.

Figure A-18

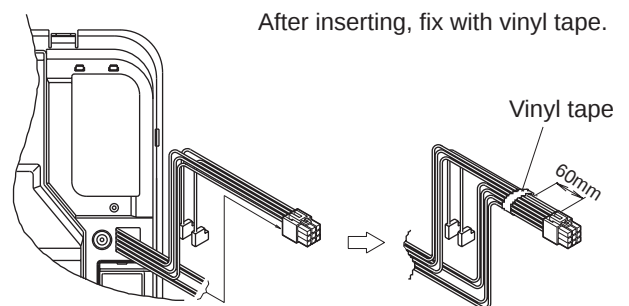
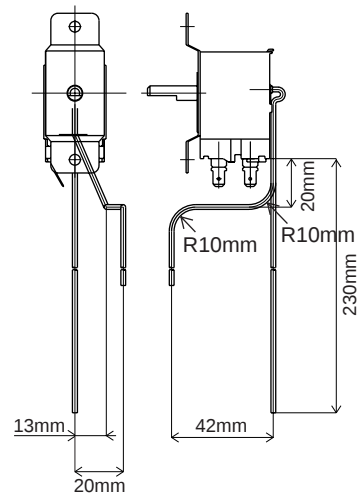


Figure A-19

(5) Setting of F-thermostat

(5)-1 Form capillary tube of F-thermostat.



Note

- Bending radius of capillary tube should be from R5mm to R10mm.

Figure A-20

(5)-2 Insert terminal of Lead EV-cover ass'y.

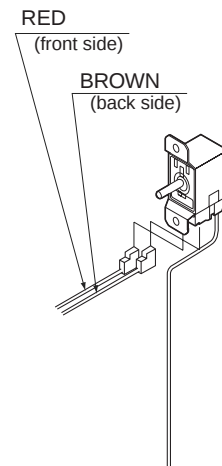


Figure A-21

(5)-3 Set to E.V cover.

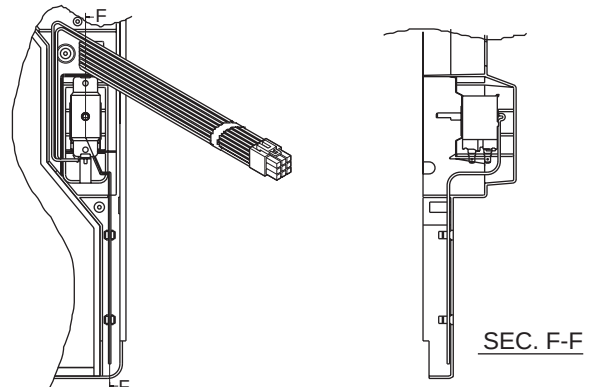


Figure A-22

COOLING UNIT

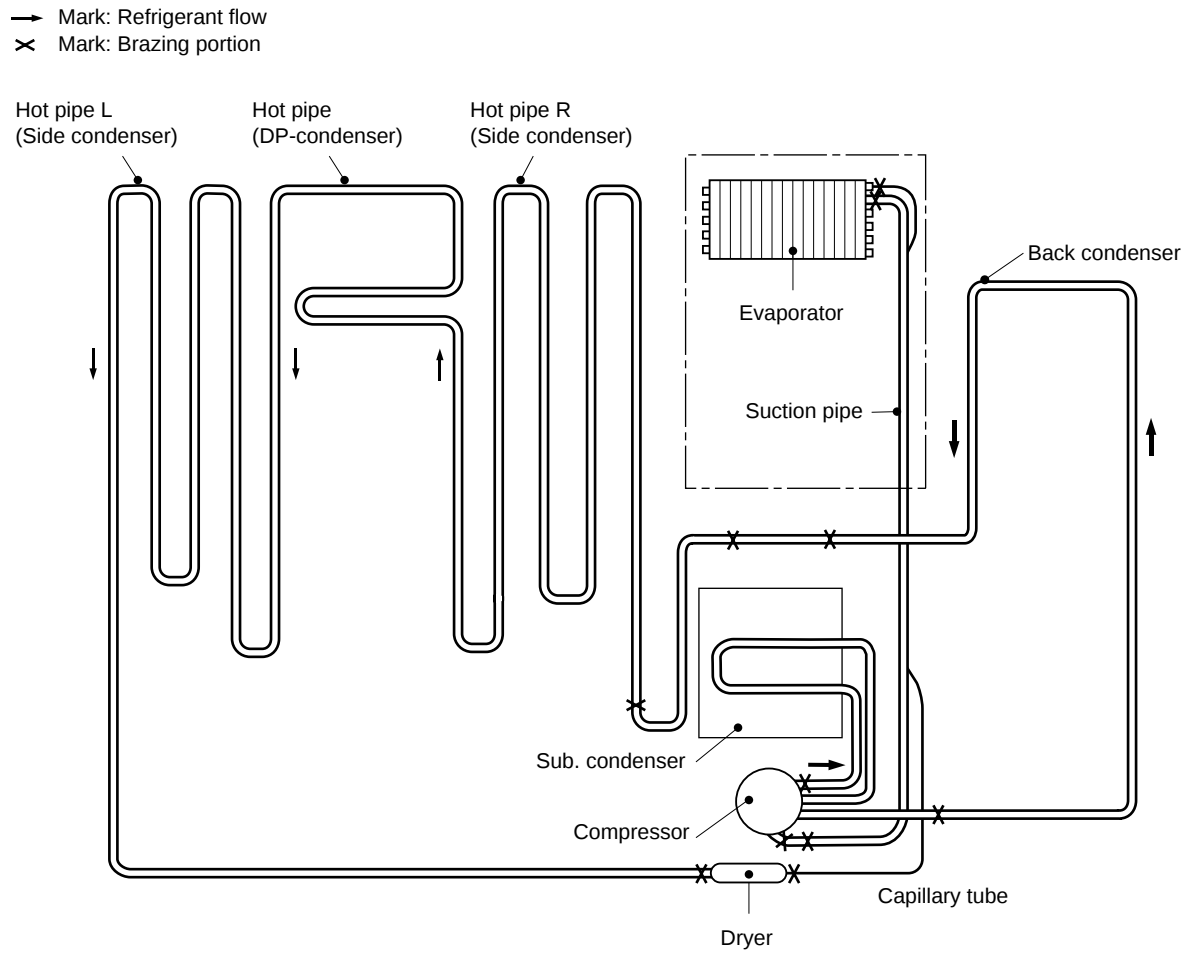


Figure C-1. Cooling unit

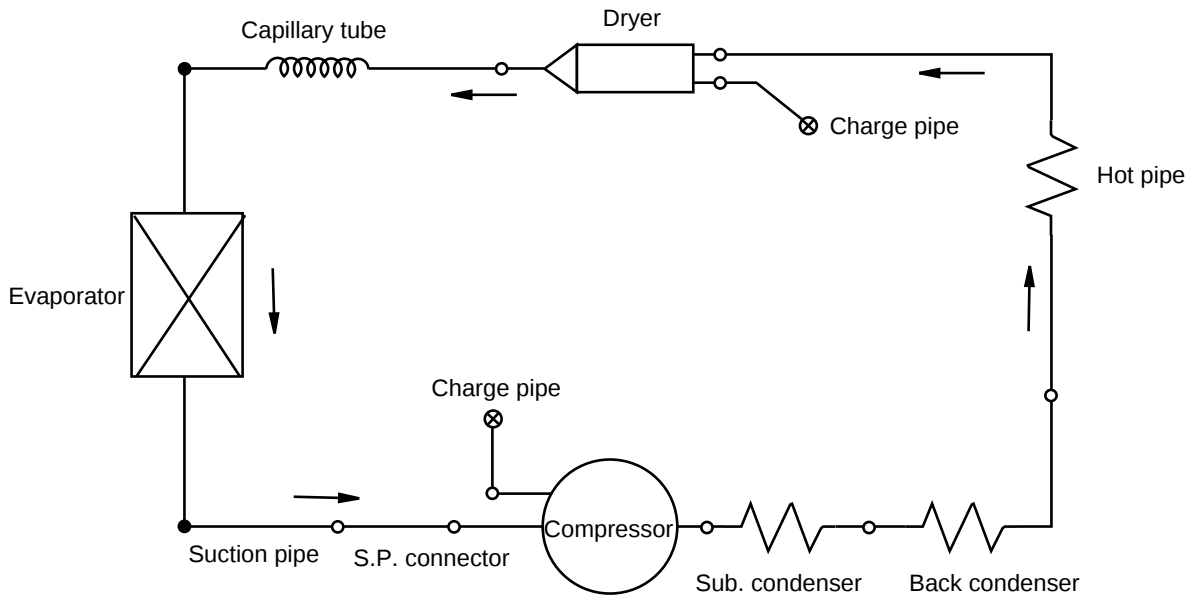


Figure C-2. Location

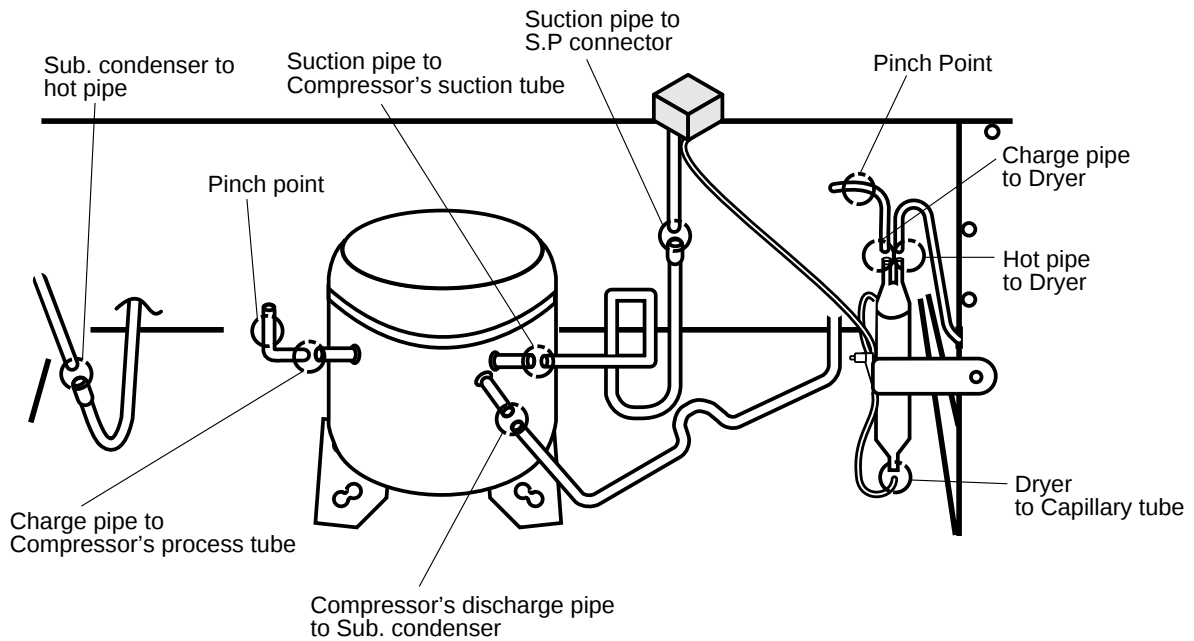


Figure C-3. Location

REPLACEMENT PARTS LIST(SJ-59M/69M-SL1/WH1)

REF. NO.	PART NO.	DESCRIPTION	Q'TY				CODE
			SJ-59M -SL1	SJ-59M -WH1	SJ-69M -SL1	SJ-69M -WH1	

ELECTRIC PARTS

1-1	RTHM-A097CBEZ	F-thermostat	1	1	1	1	AX
1-2	RSTT-A137CBE0	Starting relay	1	1	1	1	AL
1-3	QSWTDA025CBE0	Defrost timer	1	1	1	1	AW
1-4	PDMP-A052CBEZ	Damper thermo	1	1	1	1	AW
1-5	FTHM-A038CBKZ	Defrost thermo.ass'y	1	1	1	1	AM
1-6	RMOTRA071CBZZ	Fan motor	1	1	1	1	AY
1-7	QSOCAA094CBZZ	Lamp socket	1	1	1	1	AP
1-8	RLMP-A020CBE0	Lamp	1	1	1	1	AL
1-9	QACC-A134CBE0	Source cord	1	1	1	1	AP
1-10	QSW-PA090CBZA	Door switch	1	1	1	1	AS
1-11	RHOG-A150CBEZ	Protector	1	1	1	1	AN
1-17	FFS-TA055CBKZ	Fuse ass'y	1	1	1	1	AL
1-20	FW-VZA152CBZZ	Lead ev-cover ass'y	1	1	1	1	AK
1-21	FHETBA171CBEZ	Def.heater ass'y	1	1	1	1	AY
1-22	FCNW-A744CBKZ	Relay cord s ass'y	1	1	1	1	AH
1-25	LHLD-A465CBE0	Cord clip	1	1	1	1	AG
1-27	RMOTRA060CBEZ	Fan motor	1	1	1	1	AV
1-28	RLMP-A030CBEZ	Lamp15w	1	1	1	1	AH
1-29	QSOCAA072CBEZ	Lamp socket	1	1	1	1	AN
1-30	FTHM-A030CBKZ	R fan thermo ass'y	1	1	1	1	AP
1-34	QCNW-A968CBZZ	Earth wire	1	1	1	1	AC

MECHANICAL PARTS

2-2	JKNB-A036CBFC	F-temp. control knob	1	1	1	1	AC
2-7	FLEGPA077CBKZ	Leg holder l ass'y	1	1	1	1	AQ
2-7-1	FAJS-A013CBK0	Adjustable leg ass'y	2	2	2	2	AE
2-7-2	LHLD-A533CBPZ	Leg holder l	1	1	1	1	AL
2-8	FLEGPA078CBKZ	Leg holder r ass'y	1	1	1	1	AQ
2-8-2	LHLD-A534CBPZ	Leg holder r	1	1	1	1	AP
2-10	PSPAVA083CBEA	Upper hinge spacer	1	1	1	1	AD
2-11	PSPAVA085CBEA	Bottom hinge spacer	1	1	1	1	AC
2-12	PSPAVA075CBEA	Center hinge spacer	1	1	1	1	AD
2-13	DHNG-A437CBMZ	Upper hinge ass'y	1	1	1	1	AE
2-14	DHNG-A442CBMZ	Bottom hinge	1	1	1	1	AE
2-15	DHNG-A438CBMZ	Center hinge r ass'y	1	1	1	1	AE
2-16	GCOV-A191CBFZ	E.v cover	1	1	1	1	AS
2-17	LCRA-A010CBE0	Fan clamp	2	2	2	2	AD
2-19	LHLD-A389CBF0	Motor cushion	2	2	2	2	AF
2-20	NFANPA020CBFA	Propeller fan 100	1	1	1	1	AE
2-21	PSEL-B845CBEZ	E.v cover sealer a	1	1	1	1	AC
2-22	PSEL-B846CBEZ	E.v cover sealer b	1	1	1	1	AC
2-23	PSEL-A415CBE0	E.v cover sealer c	1	1	1	1	AC
2-24	LPLTMA653CBPZ	Terminal cover	1	1	1	1	AE
2-25	PCOV-A253CBFB	F lamp cover	1	1	1	1	AD
2-26	PCOV-A254CBFB	R lamp cover	1	1	1	1	AF
2-27	GCOVPA130CBRB	R-cbox cover	1	1	1	1	AS
2-28	HGRL-A184CBRB	Fan louver	1	1	1	1	AT
2-29	GCOV-A228CBFA	Upper hinge cover	1	-	1	-	AE
2-29	GCOV-A228CBFF	Upper hinge cover	-	1	-	1	AF
2-30	PCOV-A255CBFC	Fan cover	2	2	2	2	AE
2-31	JKNB-A033CBFC	R-temp.control knob	1	1	1	1	AC
2-32	HGRL-A215CBFA	R deod.louver	1	1	1	1	AC
2-33	HGRL-A216CBRA	F deod.louver	1	1	1	1	AE
2-34	PFIL-A047CBEZ	Deodorizer	2	2	2	2	AC
2-35	PSEL-C081CBEZ	A-sealer ag4	2	2	2	2	AA
2-36	PCAP-A006CBFW	Screw cover	-	2	-	2	AB
2-36	PCAP-A077CBFA	Screw cover	2	-	2	-	AA
2-38	PGID-A156CBFZ	R air guider a	1	1	1	1	AG
2-41	PSEL-B848CBEZ	A-sealer thermo.cap	1	1	1	1	AC
2-49	LSTPPA108CBFA	Chilled stopper	2	2	2	2	AC
2-50	NFANPA019CBFA	Propeller fan 80	1	1	1	1	AM
2-51	PBOX-A121CBFA	F lamp box	1	1	1	1	AF
2-52	PBOX-A122CBFA	R lamp box	1	1	1	1	AM
2-53	LHLD-A536CBFA	R fan motor holder a	1	1	1	1	AF
2-54	LHLD-A537CBFA	R fan motor holder b	1	1	1	1	AE
2-55	HGRL-A181CBFA	Multi louver l	-	-	1	1	AN
2-55	HGRL-A188CBFA	Multi louver s	1	1	-	-	AG
2-56	PFPFPB233CBFZ	R-louver insu. l	-	-	1	1	AG
2-56	PFPFPB248CBFZ	R-louver insu. s	1	1	-	-	AE
2-57	PSEL-B843CBEZ	A-sealer r-louver	-	-	2	2	AC
2-57	PSEL-B861CBEZ	A-sealer r-louver	2	2	-	-	AC
2-59	PCOV-A264CBEZ	F lamp box cover	1	1	1	1	AC
2-63	LHLD-A484CBFA	Fan motor holder b	1	1	1	1	AH

REF. NO.	PART NO.	DESCRIPTION	Q'TY				CODE
			SJ-59M -SL1	SJ-59M -WH1	SJ-69M -SL1	SJ-69M -WH1	
2-64	LHLD-A485CBFA	Fan motor holder a	1	1	1	1	AH
2-65	PSEL-B209CBE0	U-sealer handle	2	2	2	2	AB
2-66	PSHEMA132CBP0	Heater cover al	1	1	1	1	AD
2-67	LPLTMA570CBWZ	Drain support al	1	1	1	1	AE
2-69	PSEL-B847CBEZ	E.v cover sealer d	1	1	1	1	AC
2-71	PSEL-A552CBE0	Dial sealer	1	1	1	1	AC
2-72	PSEL-B841CBEZ	Ra sealer a	2	2	2	2	AC
2-73	PSEL-B842CBEZ	Ra sealer b	1	1	1	1	AC
2-77	LHLD-A359CBFA	T-box holder	1	1	1	1	AE
2-78	LPLTMA399CBP0	Dryer support	1	1	1	1	AD
2-79	LBND-A019CBE0	Nylon band	1	1	1	1	AB
2-80	PBOX-A138CBFA	Terminal box	1	1	1	1	AG
2-81	PPIPPA097CBEZ	Drain pipe s	1	1	1	1	AE
2-83	PSEL-B849CBEZ	Ra sealer c	1	1	1	1	AC
2-87	LBND-A018CBE0	Fastening band a	3	3	3	3	AP
2-90	HGRL-A179CBFA	F shower duct	1	1	1	1	AM
2-93	PCAP-A068CBFA	C sliding cap a	2	2	2	2	AC
2-95	NR0L-A027CBEZ	V roller	2	2	2	2	AC
2-96	LHLD-A535CBFA	Shaft holder	2	2	2	2	AC
2-97	LPIN-A178CB1Z	Shaft	2	2	2	2	AC
2-105	PSEL-B896CBEZ	A-sealer fs-a	1	1	1	1	AC
2-106	PSEL-B897CBEZ	A-sealer fs-b	2	2	2	2	AC

DOOR PARTS

3-5	FDORFB589CBKZ	F-door ass'y	1	-	1	-	BP
3-5	FDORFB605CBKZ	F-door ass'y	-	1	-	1	BP
3-5-1	LSTPMA008CBM0	F-door stopper r	1	1	1	1	AD
3-5-2	LSTPPA125CBFA	Fd stopper spring	1	1	1	1	AC
3-5-3	NBRGPA033CBFA	Nylon bearing 3f	1	1	1	1	AC
3-6	FPACGA309CBKZ	F-door packing	1	1	1	1	AX
3-7	HDECQA425CBMA	Hd cover ft	1	1	1	1	AL
3-8	JHNDPA170CBTA	F door handle	1	1	1	1	AZ
3-9	LPLTPA312CBPZ	Hd support ft	1	1	1	1	AC
3-10	LPLTPA313CBPZ	Hd support fb	1	1	1	1	AC
3-11	LPLTPA314CBFA	Hd base ft	1	-	1	-	AE
3-11	LPLTPA314CBFF	Hd base ft	-	1	-	1	AE
3-12	LPLTPA315CBFA	Hd base fb	1	-	1	-	AE
3-12	LPLTPA315CBFF	Hd base fb	-	1	-	1	AE
3-15	FDORRB376CBKZ	R-door ass'y	-	-	1	-	BT
3-15	FDORRB382CBKZ	R-door ass'y	-	-	-	1	BU
3-15	FDORRB389CBKZ	R-door ass'y	1	-	-	-	BT
3-15	FDORRB404CBKZ	R-door ass'y	-	1	-	-	BT
3-15-1	LSTP-A058CBM0	R-door stopper r	1	1	1	1	AF
3-15-2	LSTPPA084CBFA	Rd-stopper spring r	1	1	1	1	AD
3-15-3	NBRGPA022CBFA	Nylon bearing 3s	1	1	1	1	AC
3-17	FPACGA310CBKZ	R-door packing	-	-	1	1	AY
3-17	FPACGA315CBKZ	R-door packing	1	1	-	-	AY
3-18	HDECQA426CBMA	Hd cover rb	1	1	1	1	AQ
3-19	JHNDPA171CBTA	R door handle	1	1	1	1	BB
3-20	LPLTPA316CBPZ	Hd support rt	1	1	1	1	AC
3-21	LPLTPA317CBPZ	Hd support rb	1	1	1	1	AC
3-22	LPLTPA318CBFA	Hd base rt	1	-	1	-	AE
3-22	LPLTPA318CBFF	Hd base rt	-	1	-	1	AE
3-23	LPLTPA319CBFA	Hd base rb	1	-	1	-	AF
3-23	LPLTPA319CBFF	Hd base rb	-	1	-	1	AF
3-25	HBDGDA946CBEA	Badge	1	-	1	-	AN
3-25	HBDGDA946CBEC	Badge	-	1	-	1	AN
3-26	GDAI-A071CBMZ	Badge base	1	1	1	1	AK

OTHER PARTS

4-1	LBND-A023CBE0	L-band c	4	4	4	4	AC
4-3	LX-VZA003CBE0	Special screw	2	2	2	2	AB
4-10	QTAN-A013CBE0	Solderless term. a	4	4	4	4	AH
4-15	LX-BZA018CBE0	Special screw	3	3	3	3	AA
4-17	LX-WZA003CBE0	Washer	4	4	4	4	AA

ATTACHMENT PARTS

5-1	UPOK-A186CBRA	Bottle pocket	2	2	2	2	AR
5-3	UPOK-A184CBRA	F door pocket	2	2	2	2	AN
5-4	UPOK-A185CBRA	R door pocket	1	1	2	2	AN
5-5	UTNA-A282CBFA	Egg tray	2	2	2	2	AH
5-6	FSRA-A193CBYZ	Ice cube maker	1	1	1	1	AS
5-9	FSRA-A213CBKZ	F shelf ass'y	1	1	1	1	AY
5-14	USRA-A252CBFA	Drain pan	1	1	1	1	AN
5-15	GGAD-A034CBFA	V parting plate	1	1	1	1	AG
5-16	UYOK-A331CBFB	Vegetable case	1	1	1	1	AY

REF. NO.	PART NO.	DESCRIPTION	Q'TY				CODE
			SJ-59M -SL1	SJ-59M -WH1	SJ-69M -SL1	SJ-69M -WH1	
5-17	UYOK-A328CBFB	Ice storage box	1	1	1	1	AL
5-18	UYOK-A329CBFB	Chilled case	1	1	1	1	AW
5-19	GDORPA074CBRA	Chilled door	1	1	1	1	AN
5-24	FTNA-A366CBKZ	R glass shelf ass'y	2	2	3	3	BD
5-24-1	FWAKPA019CBKZ	G guard r ass'y	2	2	3	3	AR
5-24-2	UTNA-A299CBEZ	Glass shelf	2	2	3	3	AX
5-24-3	UWAKPA008CBFA	G guard r cover f	2	2	3	3	AM
5-24-4	UWAKPA009CBFA	G guard r cover b	2	2	3	3	AM
5-25	FTNA-A367CBKZ	V glass shelf ass'y	1	1	1	1	BD
5-25-1	FWAKPA020CBKZ	G guard v ass'y	1	1	1	1	AR
5-25-2	UTNA-A300CBEZ	Glass shelf	1	1	1	1	AX
5-25-3	UWAKPA011CBFA	G guard v cover	1	1	1	1	AM
5-26	HGRL-A218CBFA	Ventilating grille	1	-	1	-	AN
5-26	HGRL-A218CBFF	Ventilating grille	-	1	-	1	AN
5-28	PCAP-A069CBFA	V sliding cap l	1	1	1	1	AC
5-29	PCAP-A070CBFA	V sliding cap r	1	1	1	1	AC
5-31	LRALPA132CBFB	Ice tray holder l	1	1	1	1	AG
5-32	LRALPA133CBFB	Ice tray holder r	1	1	1	1	AG
5-33	LRALPA134CBFA	Ice tray holder b	1	1	1	1	AF
5-34	PCUP-A009CBFB	Water cup	1	1	1	1	AF
5-35	UPOKPA251CBFB	Tube stand	2	2	2	2	AF
5-36	PCOV-A259CBFB	Case cover	1	1	1	1	AK
5-37	UPOK-A187CBRA	Utility case pocket	1	1	1	1	AN

CYCLE PARTS

6-1	PCMPLA201CBEZ	Compressor	1	1	1	1	BX
6-2	PSPAGA054CBEZ	Rubber grommet	4	4	4	4	AH
6-3	FCONSA076CBKZ	Sub. condenser ass'y	1	1	1	1	AP
6-3-1	PCOV-A256CBFA	Pipe protector l	1	1	1	1	AF
6-3-2	PCOV-A257CBFA	Pipe protector r	1	1	1	1	AF
6-4	FFRM-A113CBKZ	Base frame ass'y	1	1	1	1	AW
6-5	FDRY-A006CBK0	Dryer ass'y	1	1	1	1	AX
6-9	PSPAFA047CBEZ	Sleeve	4	4	4	4	AE
6-11	PPIPCA356CBEZ	S.p connector	1	1	1	1	AG
6-14	PGUM-A004CBF0	Absorbent rubber a	1	1	1	1	AH
6-15	PGUM-A002CBF0	Absorbent rubber b	1	1	1	1	AH
6-16	PGUM-A003CBF0	Absorbent rubber b	2	2	2	2	AH
6-18	PPIPCA252CBE0	Charge pipe	2	2	2	2	AD
6-19	PPIPCA424CBZZ	Oil cooler pipe a	1	1	1	1	AF
6-20	PPIPCA427CBEZ	Backcon connector	1	1	1	1	AF
6-21	PCOVPA271CBEZ	Terminal cover	1	1	1	1	AH
6-27	PSEL-B899CBEZ	S-sealer	2	2	2	2	AC
6-30	PKYU-A098CBE0	Compressor butyl	1	1	1	1	AG
6-31	PKYU-A035CBE0	Sp-butyl h	1	1	1	1	AG

MISCELLANEOUS

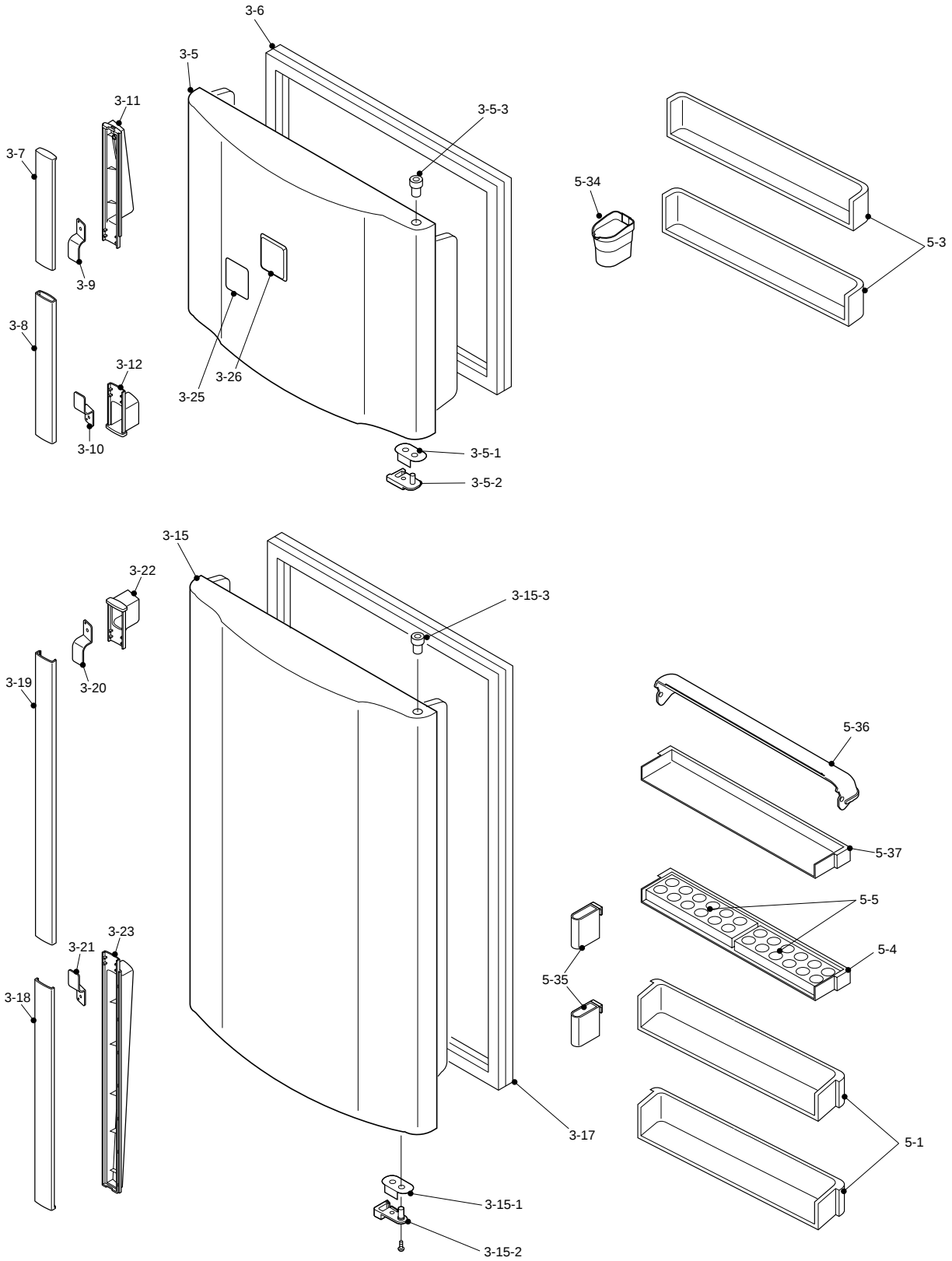
90-1	TINS-A598CBRZ	Operation manual	1	1	1	1	AE
90-2	TLAB-A733CBR0	Warning label	1	1	1	1	AC
90-3	SPAKCJ301YDZZ	Packing case 68m	-	-	1	1	BB
90-3	SPAKCJ313YDZZ	Packing case 58m	1	1	-	-	BB
90-6	CPADBA765YDKZ	Bottom pad ass'y	1	1	1	1	AY
90-7	CPADBA822YDKZ	Top pad ass'y	1	1	1	1	AP
90-8	TLAB-A894CBRZ	Warning label	1	1	1	1	AC
90-21	TLAB-A939CBRZ	Caution label rof	1	1	1	1	AD

HOW TO ORDER REPLACEMENT PARTS

To have your order filled promptly and correctly, please furnish the following information.

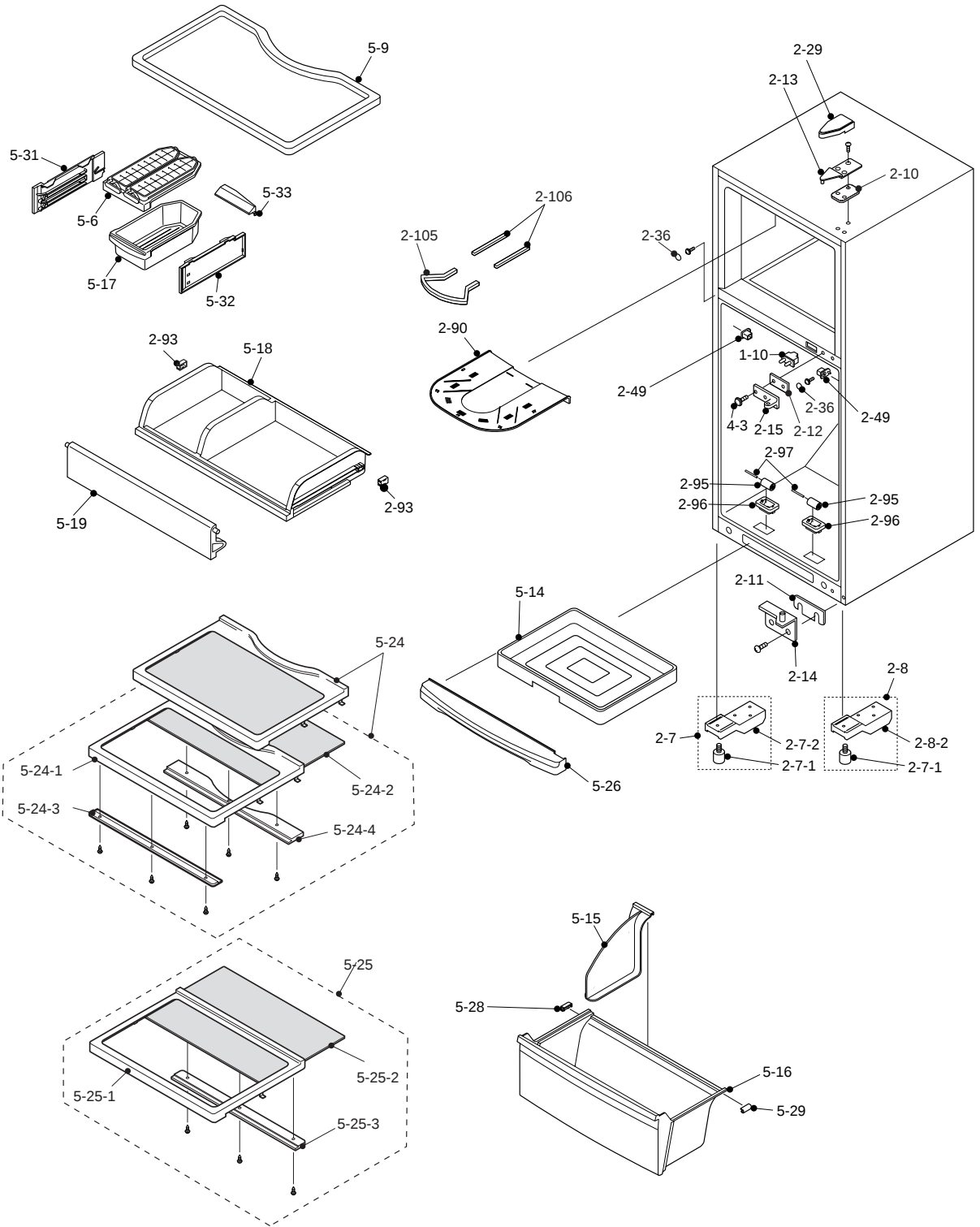
- | | |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. NO. |
| 3. PART NO. | 4. DESCRIPTION |

DOOR PARTS



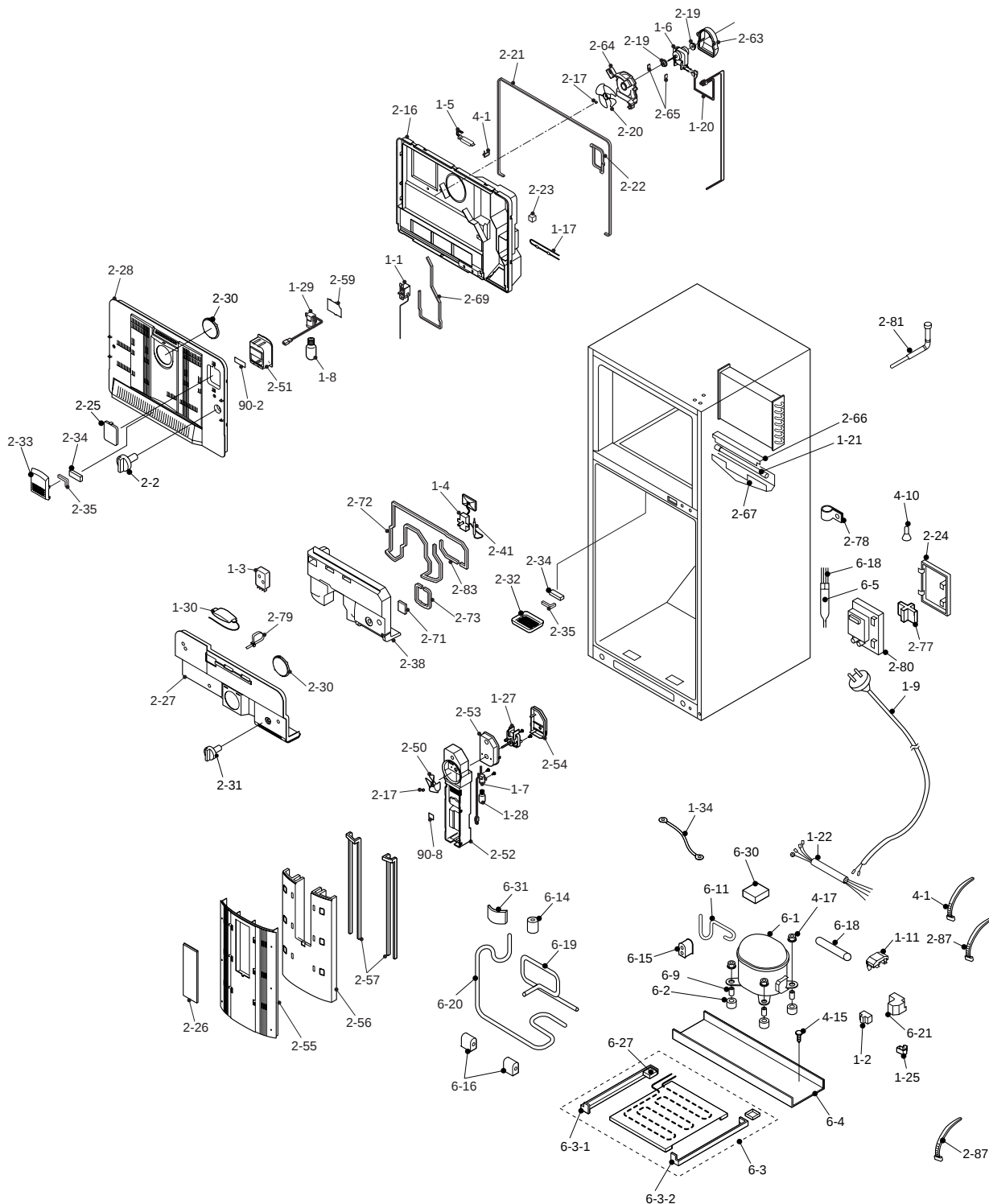
SJ-59M
SJ-69M

CABINET PARTS



SJ-59M
SJ-69M

CABINET PARTS



SJ-59M
SJ-69M