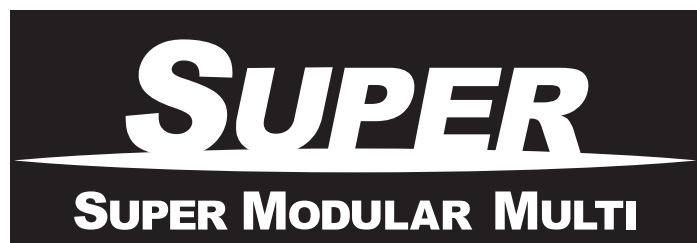


SERVICE MANUAL



- This manual describes about the model which is installed with the passive filter to the fan driving circuit as the measure against the Europe Harmonic Regulation EN61000-3-12.

The indoor units are same as those of the existing models and they are not especially changed.
For the standard servicing method, refer to the FILE NO. A03-009, A04-008 and A05-004-1.

New models compliance with EMC: IEC61000-3-12

< Outdoor Unit >

Heat Pump Model

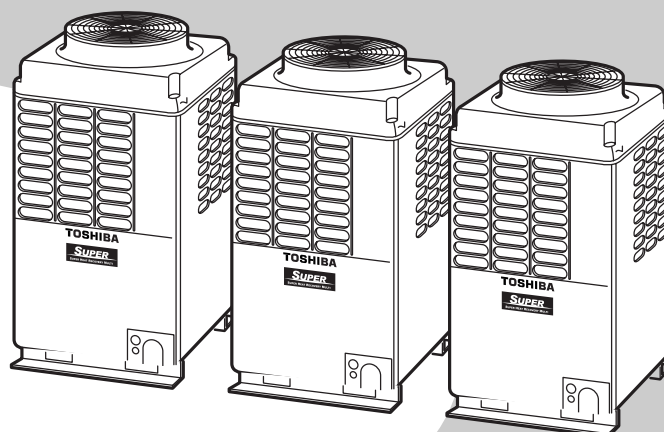
MMY-MAP0501HT8-E, MMY-MAP0601HT8-E, MMY-MAP0801HT8-E,
MMY-MAP1001HT8-E, MMY-MAP1201HT8-E

Cooling Only Model

MMY-MAP0501T8-E, MMY-MAP0601T8-E, MMY-MAP0801T8-E,
MMY-MAP1001T8-E, MMY-MAP1201T8-E

Heat Recovery Model

MMY-MAP0802FT8-E, MMY-MAP1002FT8-E, MMY-MAP1202FT8-E



CONTENTS

1. DIFFERENT POINTS OF THE MAIN PARTS	3
2. WIRING DIAGRAM	4
2-1. Outdoor Unit	4
3. TROUBLESHOOTING (Passive Filter Circuit)	7
4. CONFIGURATION OF CONTROL CIRCUIT	9
4-1. Outdoor Unit	9
5. RUNNING CHANGE	10
5-1. Remote Controller Switch	10
5-2. Parts Layout in Outdoor Unit	11
5-3. Refrigerant Piping Systematic Drawing	13
5-4. Refrigerant Recovery When Replacing the Compressor	15
5-5. Replacing Method of Parts	16
5-6. P.C. Board Exchange Procedures (Outdoor Unit)	20
6. DETACHMENTS (Passive Filter Circuit)	21
7. EXPLODED VIEWS AND PARTS LIST	24
7-1. Outdoor Unit (MMY-MAP***HT8-E)	24
Refrigeration Circuit Diagram	28
7-2. Outdoor Unit (MMY-MAP***T8-E)	31
Refrigeration Circuit Diagram	35
7-3. Outdoor Unit (MMY-MAP***FT8-E)	38
Refrigeration Circuit Diagram	42

1. DIFFERENT POINTS OF THE MAIN PARTS

This model is added with the passive filter to the fan driving circuit of the existing model and then Type name is changed. ("-E" is added to the end of the Type name.)

1. Newly changed contents

Addition of passive filter against the harmonic

	Item	Existing model		Model in this time	
		SMMS	SHRM	SMMS	SHRM
1	Power supply P.C. board for fan IPDU	MCC-1439-05		MCC-1439-06 Addition of connector to connect the passive filter	
2	Passive filter	None		Electrolytic capacitor (MCC-1580), Resistance, Diode, Reactor (CH-68)	

2. Contents change of running

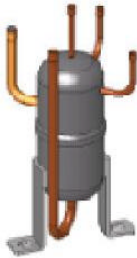
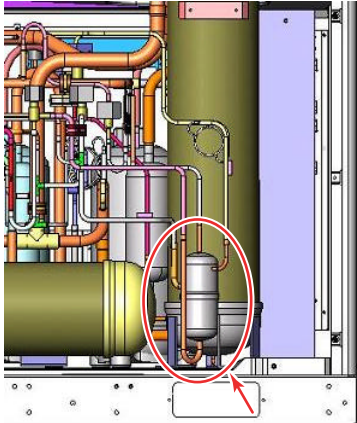
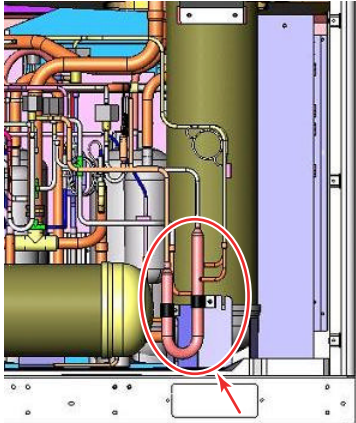
1) Reduction in refrigerant amount

Applied models: MMY-MAP0801HT8 (-E), MAP1001HT8 (-E), MAP1201HT8 (-E)
(Only for SMMS heat pump models) Unit: kg

System HP	Existing model	Model in tis time
	SMMS	SMMS
5	—	—
6	—	—
8	12.5	12.0
10	12.5	12.0
12	12.5	12.0

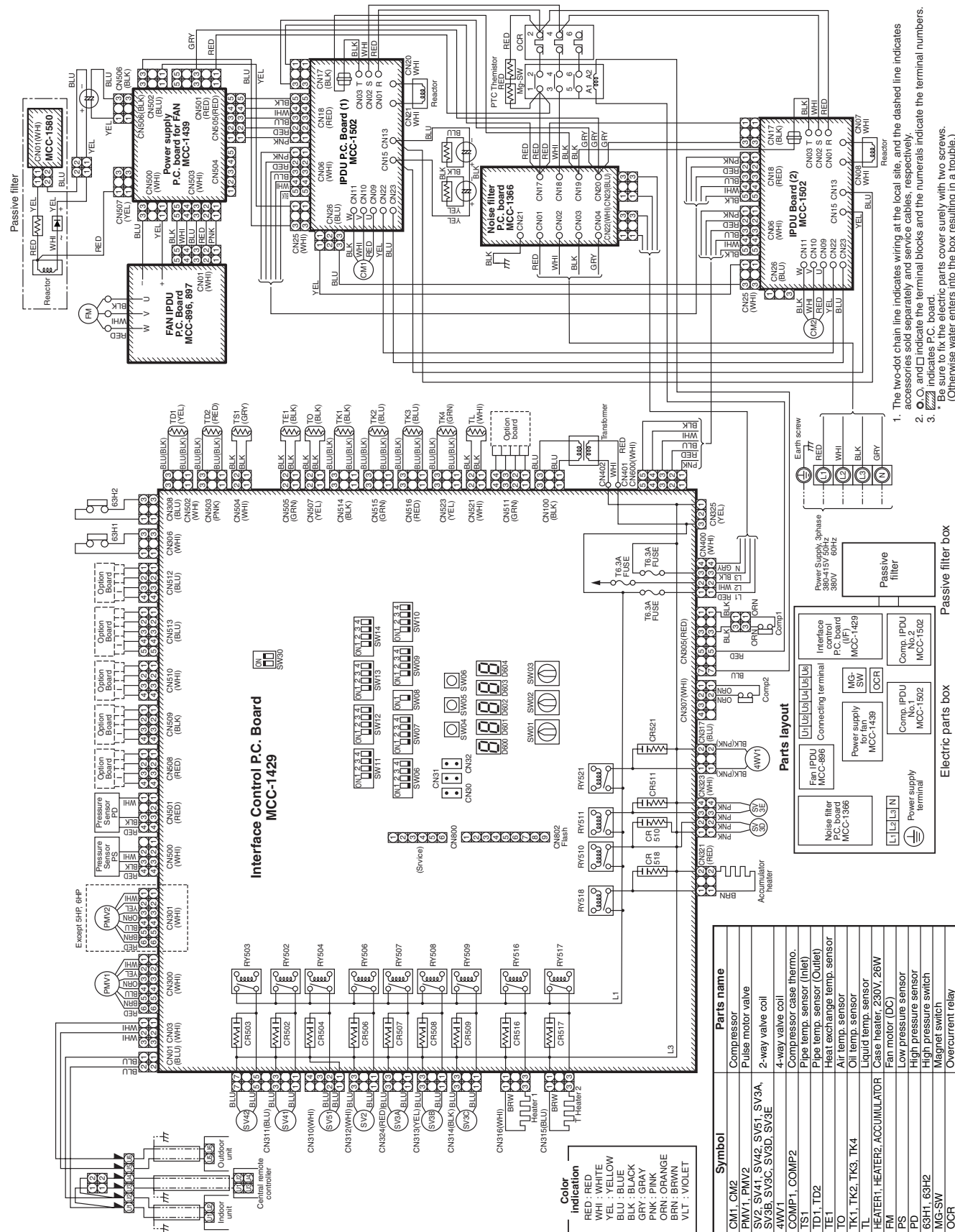
2) Change of oil tank appearance

Applied models: SMMS series, SHRM series

Tank type of Oil tank (past)	Tube type of Oil tank (current)
(Appearance) 	(Appearance) 
(Layout) — Rear view — 	(Layout) — Rear view — 

<Reference: Product Bulletin No.2007-13>

2-1. Outdoor Unit

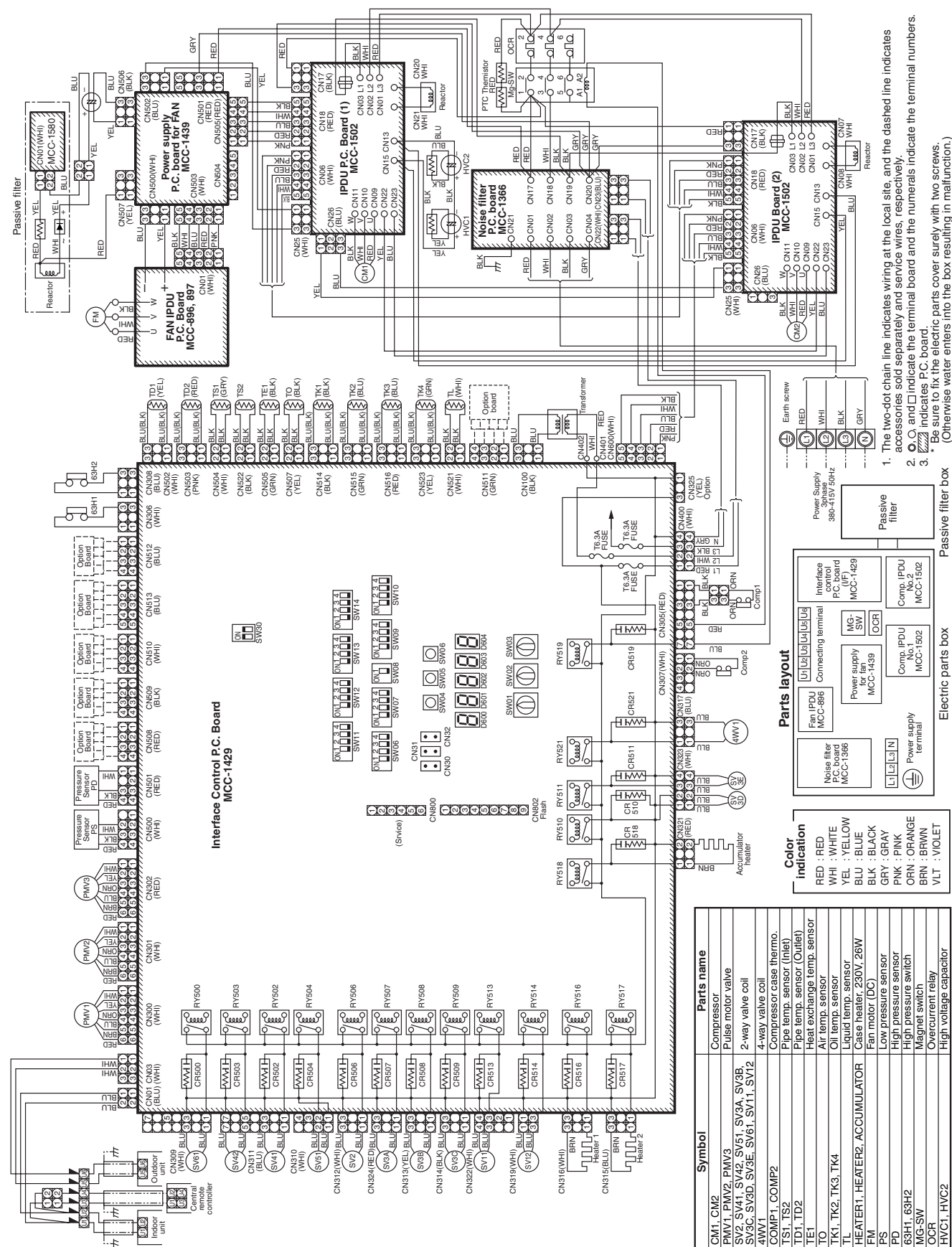


Interface Control P.C. Board
MCC-1429

Parts layout

Parts name	Symbol
Compressor	CM1, CM2
Pulse motor valve	CM1, PMV2
2-way valve coil	SV2, SV41, SV42, SV51, SV3A, SV3B, SV3C, SV3D, SV3E
4-way valve coil	4WV1
Compressor case thermo.	COMP1, COMP2
Pipe temp. sensor (Inlet)	TS1
Pipe temp. sensor (Outlet)	TD1, TD2
Heat exchange temp. sensor	TO
Air temp. sensor	TK1, TK2, TK3, TK4
Oil temp. sensor	TE1
Liquid temp. sensor	TL
Case heater, 230V, 28W	HEATER1, HEATER2, ACCUMULATOR
Fan motor (DC)	FM
Low pressure sensor	PS
High pressure sensor	PD
High pressure switch	63H1, 63H2
Magnet switch	MG-SW
Overcurrent relay	MCR
Noise filter	Interface control P.C. board (MCC-1429)
Fan IPDU	Power supply P.C. board for fan (MCC-1439)
Compressor	Comp. IPDU No. 1 (MCC-1502)
Compressor	Comp. IPDU No. 2 (MCC-1502)
Compressor	Comp. IPDU No. 3 (MCC-1502)
Compressor	Comp. IPDU No. 4 (MCC-1502)
Compressor	Comp. IPDU No. 5 (MCC-1502)
Compressor	Comp. IPDU No. 6 (MCC-1502)
Compressor	Comp. IPDU No. 7 (MCC-1502)
Compressor	Comp. IPDU No. 8 (MCC-1502)
Compressor	Comp. IPDU No. 9 (MCC-1502)
Compressor	Comp. IPDU No. 10 (MCC-1502)
Compressor	Comp. IPDU No. 11 (MCC-1502)
Compressor	Comp. IPDU No. 12 (MCC-1502)
Compressor	Comp. IPDU No. 13 (MCC-1502)
Compressor	Comp. IPDU No. 14 (MCC-1502)
Compressor	Comp. IPDU No. 15 (MCC-1502)
Compressor	Comp. IPDU No. 16 (MCC-1502)
Compressor	Comp. IPDU No. 17 (MCC-1502)
Compressor	Comp. IPDU No. 18 (MCC-1502)
Compressor	Comp. IPDU No. 19 (MCC-1502)
Compressor	Comp. IPDU No. 20 (MCC-1502)
Compressor	Comp. IPDU No. 21 (MCC-1502)
Compressor	Comp. IPDU No. 22 (MCC-1502)
Compressor	Comp. IPDU No. 23 (MCC-1502)
Compressor	Comp. IPDU No. 24 (MCC-1502)
Compressor	Comp. IPDU No. 25 (MCC-1502)
Compressor	Comp. IPDU No. 26 (MCC-1502)
Compressor	Comp. IPDU No. 27 (MCC-1502)
Compressor	Comp. IPDU No. 28 (MCC-1502)
Compressor	Comp. IPDU No. 29 (MCC-1502)
Compressor	Comp. IPDU No. 30 (MCC-1502)
Compressor	Comp. IPDU No. 31 (MCC-1502)
Compressor	Comp. IPDU No. 32 (MCC-1502)
Compressor	Comp. IPDU No. 33 (MCC-1502)
Compressor	Comp. IPDU No. 34 (MCC-1502)
Compressor	Comp. IPDU No. 35 (MCC-1502)
Compressor	Comp. IPDU No. 36 (MCC-1502)
Compressor	Comp. IPDU No. 37 (MCC-1502)
Compressor	Comp. IPDU No. 38 (MCC-1502)
Compressor	Comp. IPDU No. 39 (MCC-1502)
Compressor	Comp. IPDU No. 40 (MCC-1502)
Compressor	Comp. IPDU No. 41 (MCC-1502)
Compressor	Comp. IPDU No. 42 (MCC-1502)
Compressor	Comp. IPDU No. 43 (MCC-1502)
Compressor	Comp. IPDU No. 44 (MCC-1502)
Compressor	Comp. IPDU No. 45 (MCC-1502)
Compressor	Comp. IPDU No. 46 (MCC-1502)
Compressor	Comp. IPDU No. 47 (MCC-1502)
Compressor	Comp. IPDU No. 48 (MCC-1502)
Compressor	Comp. IPDU No. 49 (MCC-1502)
Compressor	Comp. IPDU No. 50 (MCC-1502)
Compressor	Comp. IPDU No. 51 (MCC-1502)
Compressor	Comp. IPDU No. 52 (MCC-1502)
Compressor	Comp. IPDU No. 53 (MCC-1502)
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Compressor	Comp. IPDU No. 60 (MCC-1502)
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Compressor	Comp. IPDU No. 62 (MCC-1502)
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Compressor	Comp. IPDU No. 67 (MCC-1502)
Compressor	Comp. IPDU No. 68 (MCC-1502)
Compressor	Comp. IPDU No. 69 (MCC-1502)
Compressor	Comp. IPDU No. 70 (MCC-1502)
Compressor	Comp. IPDU No. 71 (MCC-1502)
Compressor	Comp. IPDU No. 72 (MCC-1502)
Compressor	Comp. IPDU No. 73 (MCC-1502)
Compressor	Comp. IPDU No. 74 (MCC-1502)
Compressor	Comp. IPDU No. 75 (MCC-1502)
Compressor	Comp. IPDU No. 76 (MCC-1502)
Compressor	Comp. IPDU No. 77 (MCC-1502)
Compressor	Comp. IPDU No. 78 (MCC-1502)
Compressor	Comp. IPDU No. 79 (MCC-1502)
Compressor	Comp. IPDU No. 80 (MCC-1502)
Compressor	Comp. IPDU No. 81 (MCC-1502)
Compressor	Comp. IPDU No. 82 (MCC-1502)
Compressor	Comp. IPDU No. 83 (MCC-1502)
Compressor	Comp. IPDU No. 84 (MCC-1502)
Compressor	Comp. IPDU No. 85 (MCC-1502)
Compressor	Comp. IPDU No. 86 (MCC-1502)
Compressor	Comp. IPDU No. 87 (MCC-1502)
Compressor	Comp. IPDU No. 88 (MCC-1502)
Com	

Model: MMY-MAP0802FT8-E, MMY-MAP1002FT8-E, MMY-MAP1202FT8-E



3. TROUBLESHOOTING (Passive Filter Circuit)

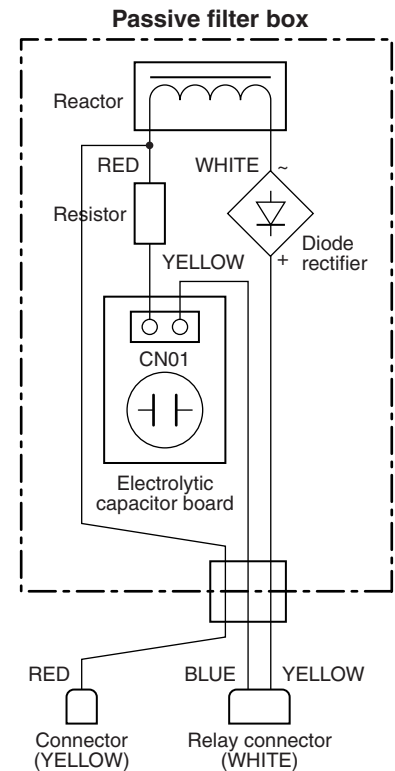
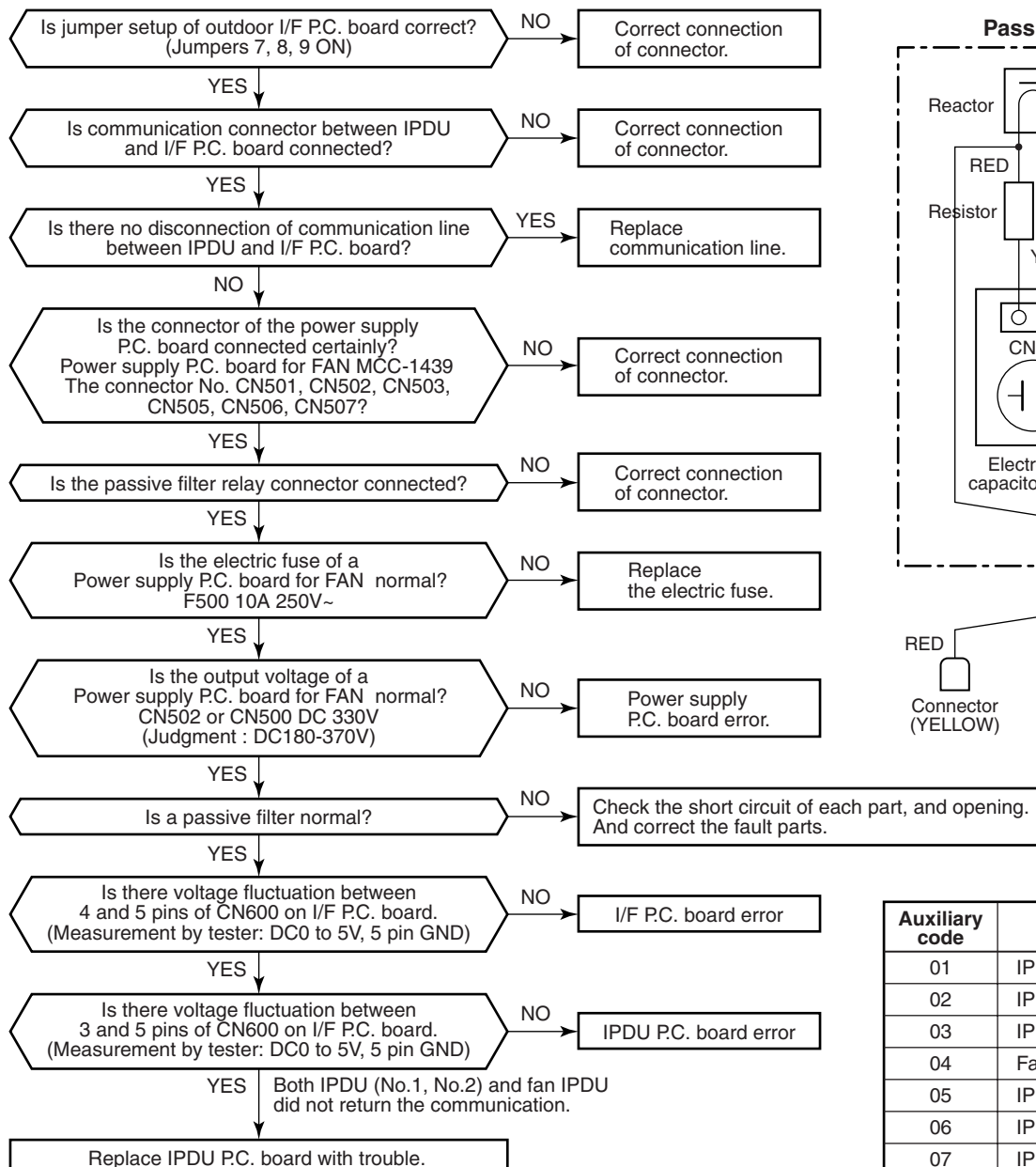
■ Diagnosis procedure for each check code

<SMMS Series (A03-009, A04-008) >

Check code name	Check code name	Cause of operation
[L29] / [CF] (d07 / AI-NET)	IPDU quantity error	1. Incorrect model setup in service for I/F P.C. board 2. Communication error between IPDU, fan IPDU and I/F 3. IPDU, fan IPDU, I/F P.C. board error 4. Passive filter error

Sub-code:

01: IPDU1 error
 02: IPDU2 error
 03: IPDU1, 2 error
 04: Fan IPDU error
 05: IPDU1, fan IPDU error
 06: IPDU2, fan IPDU error
 07: All IPDU error, Disconnection of communication line between IPDU-I/F P.C. board,
 "I/F control P.C. board" error, "Power supply P.C. board for FAN" error, "Passive filter" error



Auxiliary code	P.C. board to be replaced
01	IPDU 1
02	IPDU 2
03	IPDU 1, 2
04	Fan IPDU
05	IPDU 1, fan IPDU
06	IPDU 2, fan IPDU
07	IPDU 1, 2, fan IPDU, I/F

<SHRM Series (A05-004-1) >

Check code name	Check code name	Cause of operation
[L29] / [CF] (d07 / AI-NET)	IPDU quantity error	1. Incorrect model setup in service for I/F P.C. board 2. Communication error between IPDU, fan IPDU and I/F 3. IPDU, fan IPDU, I/F P.C. board error 4. Passive filter error

Sub-code:

01: IPDU1 error

02: IPDU2 error

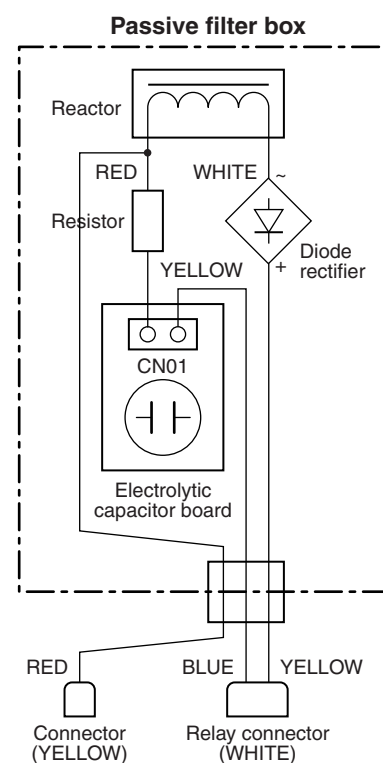
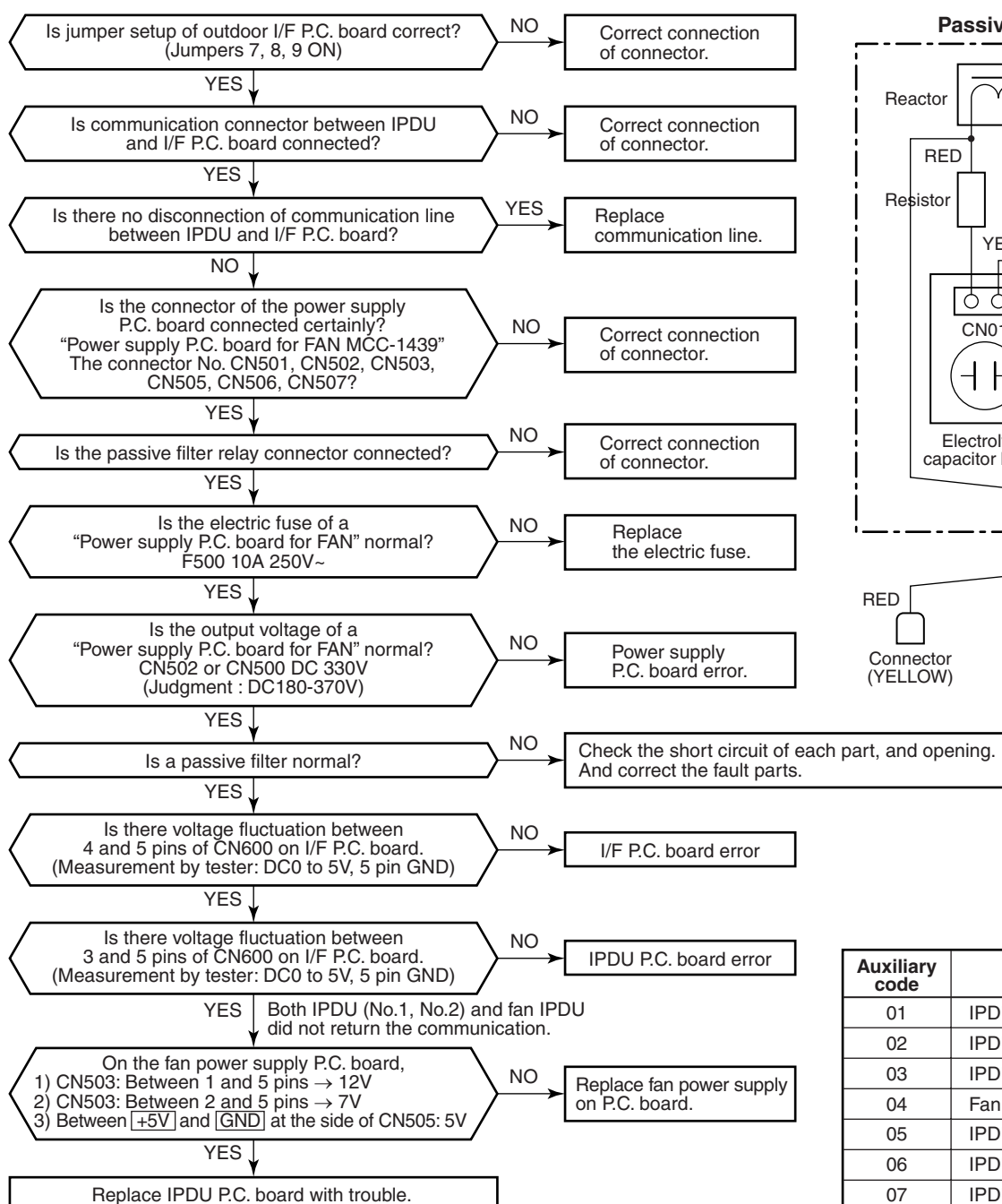
03: IPDU1, 2 error

04: Fan IPDU error

05: IPDU1, fan IPDU error

06: IPDU2, fan IPDU error

07: All IPDU error, Disconnection of communication line between IPDU-I/F P.C. board,
"I/F control P.C. board" error, "Power supply P.C. board for FAN" error, "Passive filter" error

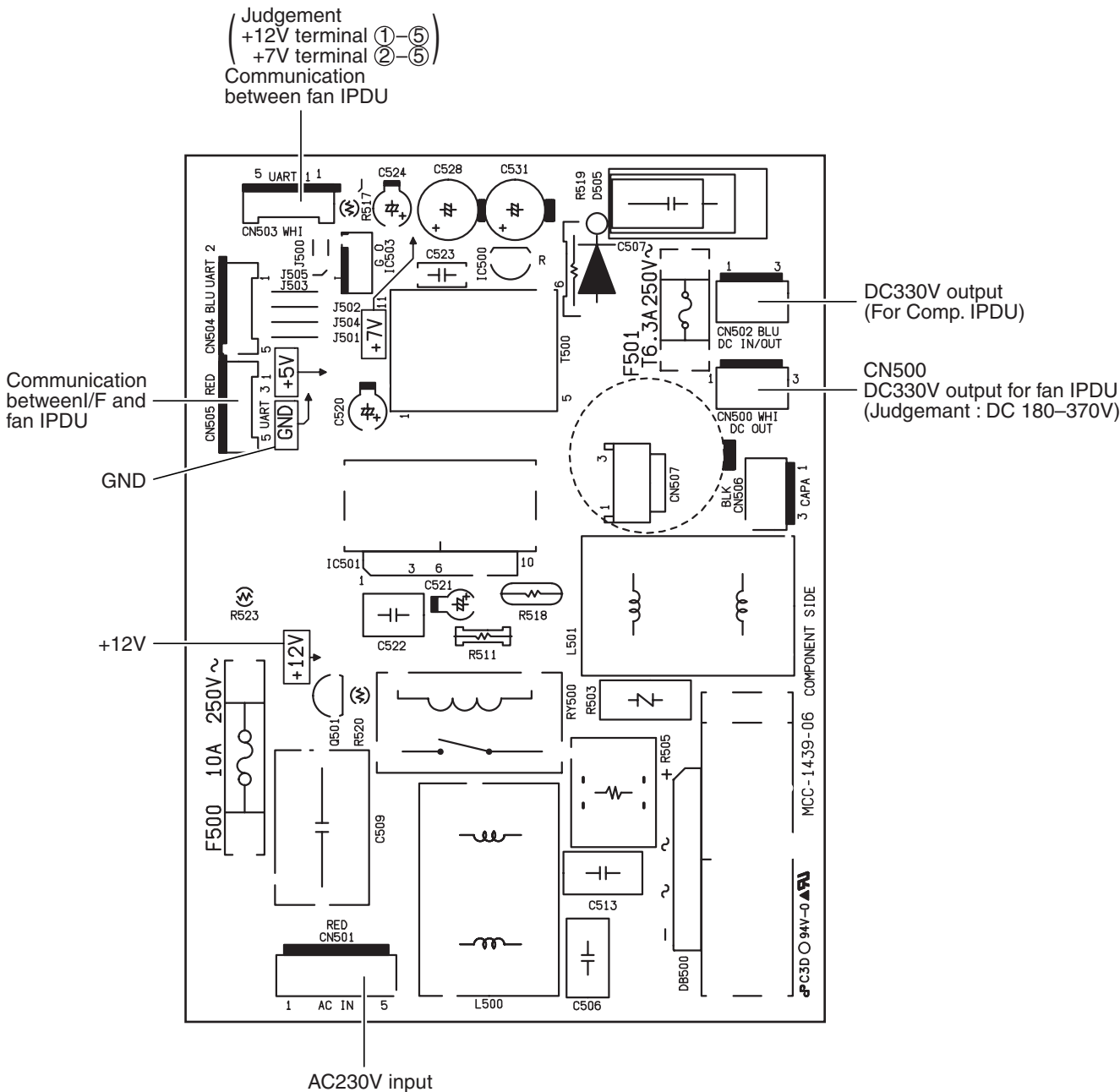


Auxiliary code	P.C. board to be replaced
01	IPDU 1
02	IPDU 2
03	IPDU 1, 2
04	Fan IPDU
05	IPDU 1, fan IPDU
06	IPDU 2, fan IPDU
07	IPDU 1, 2, fan IPDU, I/F

4. CONFIGURATION OF CONTROL CIRCUIT

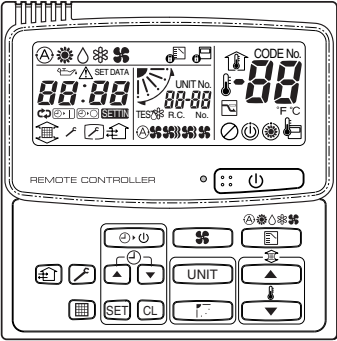
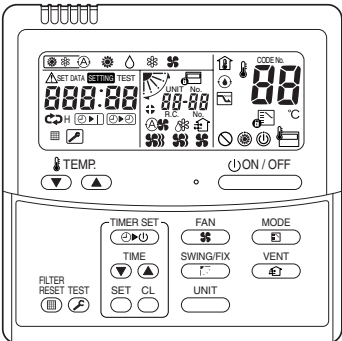
4-1. Outdoor Unit

Power P.C. board for fan (MCC-1439)



5. RUNNING CHANGE

5-1. Remote Controller Switch

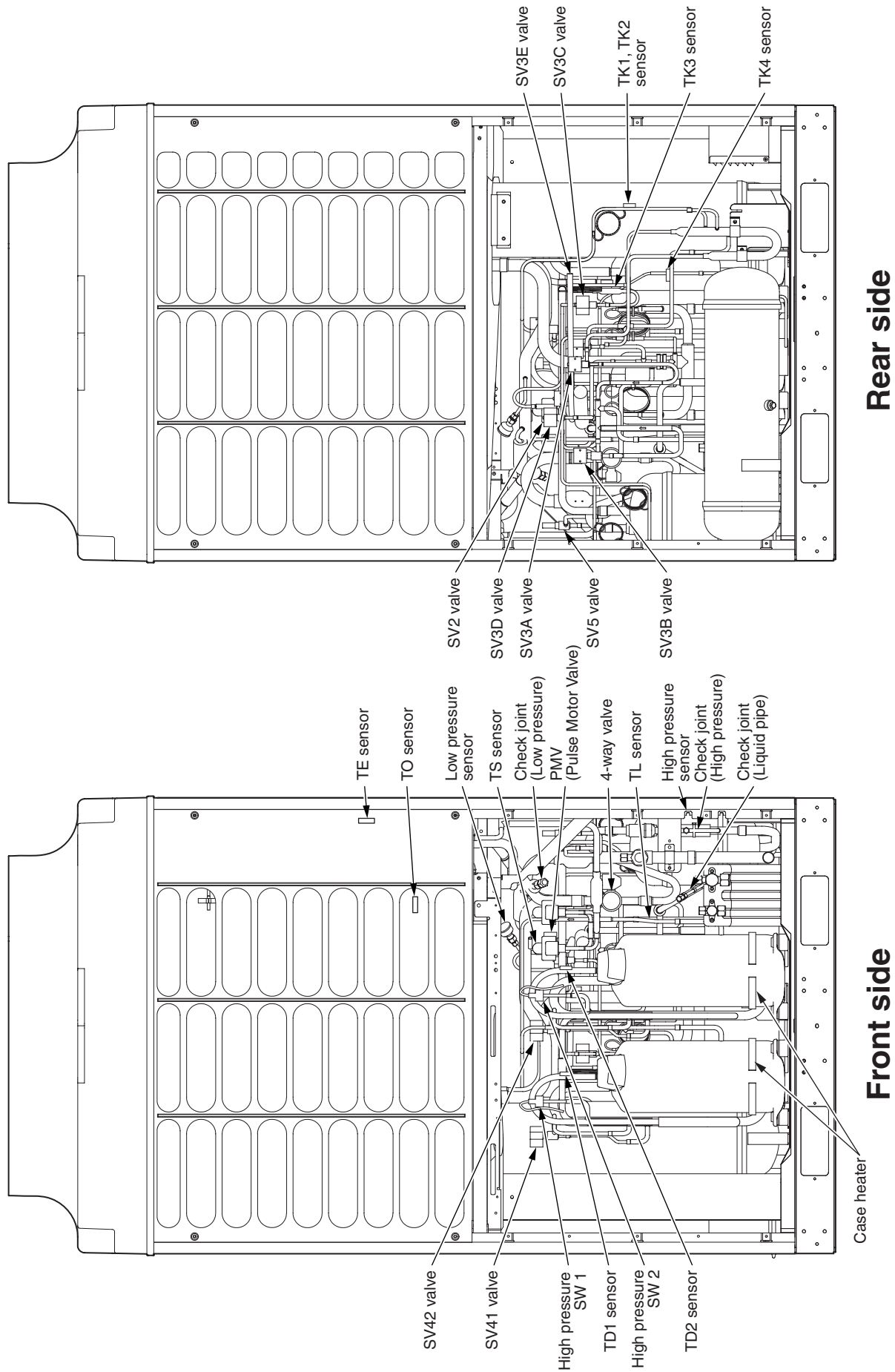
Name	Wired remote controller	Wired remote controller
Appearance		
Model name	RBC-AMT21E	RBC-AMT31E
Type		

NOTE

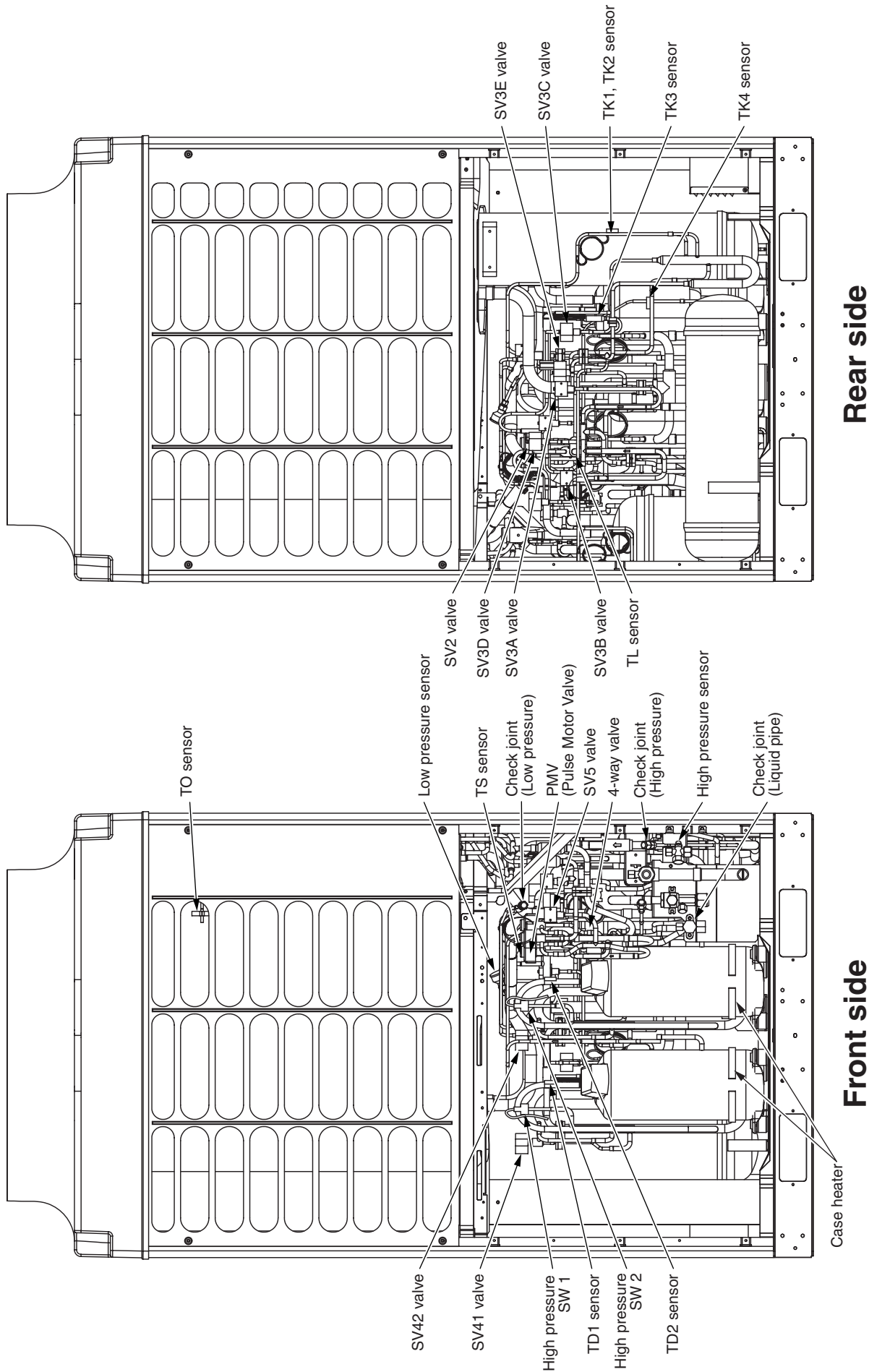
The model name of the Wired remote controller is changed to RBC-AMT31E and some illustrations are changed. The expression method is a little changed but functionally is not changed.
Explanation for detailed operation method, etc. are omitted.

5-2. Parts Layout in Outdoor Unit

<SMMS Series (A03-009, A04-008) >



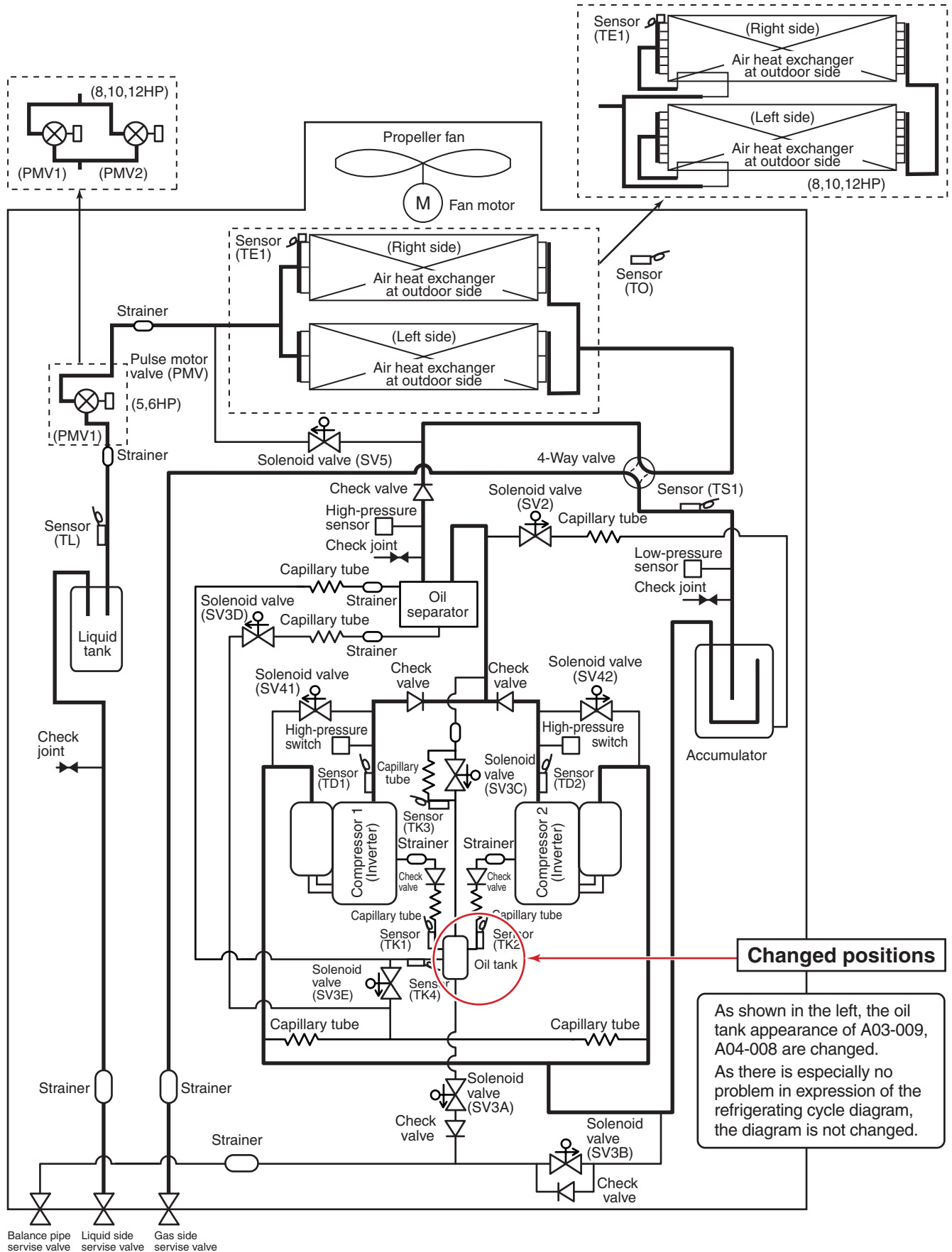
<SHRM Series (A05-004-1) >



5-3. Refrigerant Piping Systematic Drawing

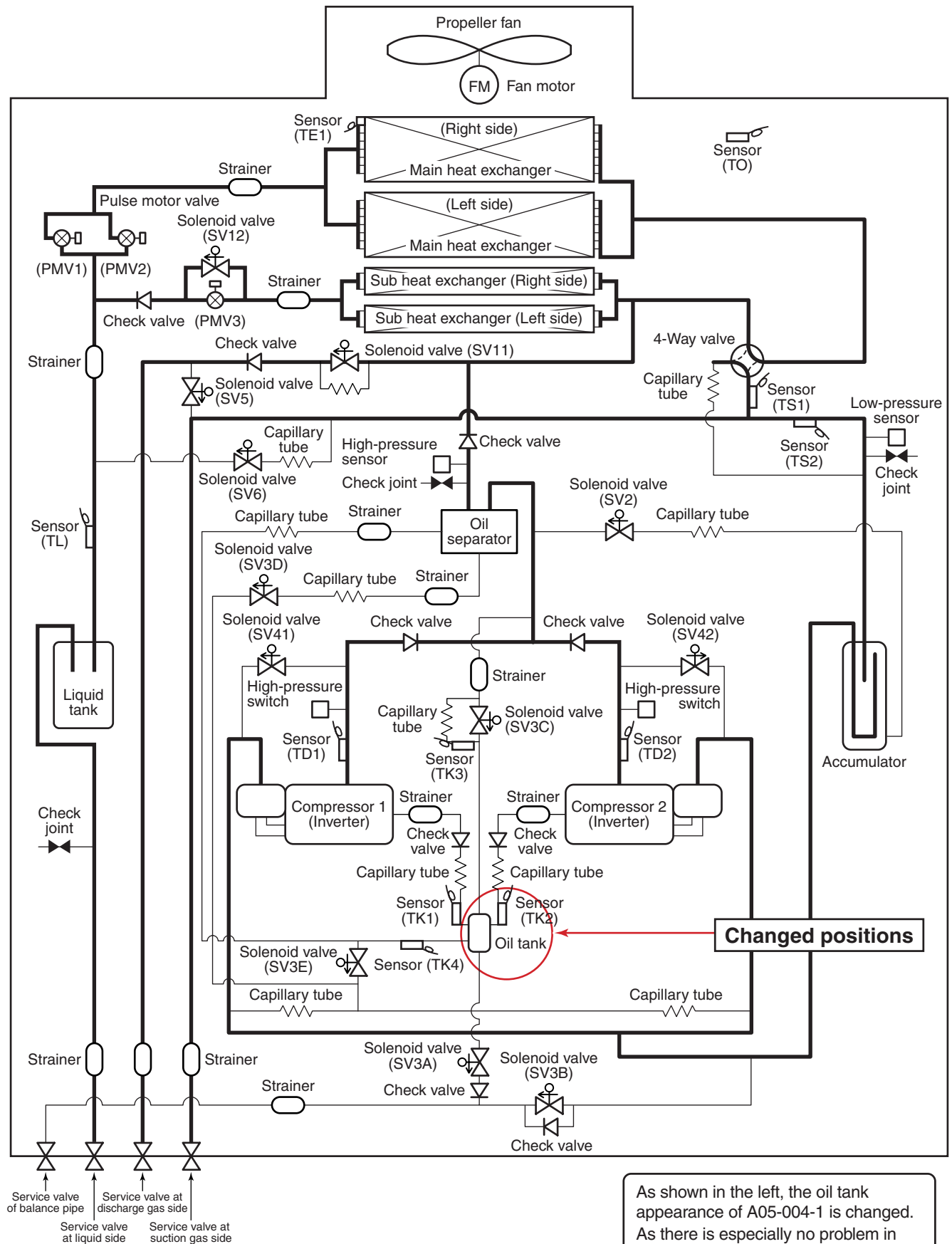
■ Inverter unit (5, 6, 8, 10, 12HP)

Model: MMY-MAP0501HT8-E (T8-E), MMY-MAP0601HT8-E (T8-E), MMY-MAP0801HT8-E (T8-E), MMY-MAP1001HT8-E (T8-E), MMY-MAP1201HT8-E (T8-E)



■ Inverter unit (8, 10, 12HP)

Model: MMY-MAP0802FT8-E, MMY-MAP1002FT8-E, MMY-MAP1202FT8-E



As shown in the left, the oil tank appearance of A05-004-1 is changed. As there is especially no problem in expression of the refrigerating cycle diagram, the diagram is not changed.

5-4. Refrigerant Recovery When Replacing the Compressor

■ How to operate the system during repairing of the defective outdoor unit

MMY-MAP0501HT8(-E), MMY-MAP0601HT8(-E), MMY-MAP0801HT8(-E),
MMY-MAP1001HT8(-E), MMY-MAP1201HT8(-E)

<Work procedure>

1. Follow to the abovementioned “13-1. Refrigerant Recovery in the Troubled Outdoor Unit”.

2. Next, recover the refrigerant in the system by using a recovery device, etc.

The refrigerant amount to be recovered is determined based upon the capacity of the troubled outdoor unit.
(See the following table.)

Example) In a case of backup for 10HP-outdoor unit in 30HP system:

in the original system HP (30HP system) = 36.0kg

Refrigerant amount in system HP (20HP system) after backup = 27.0kg

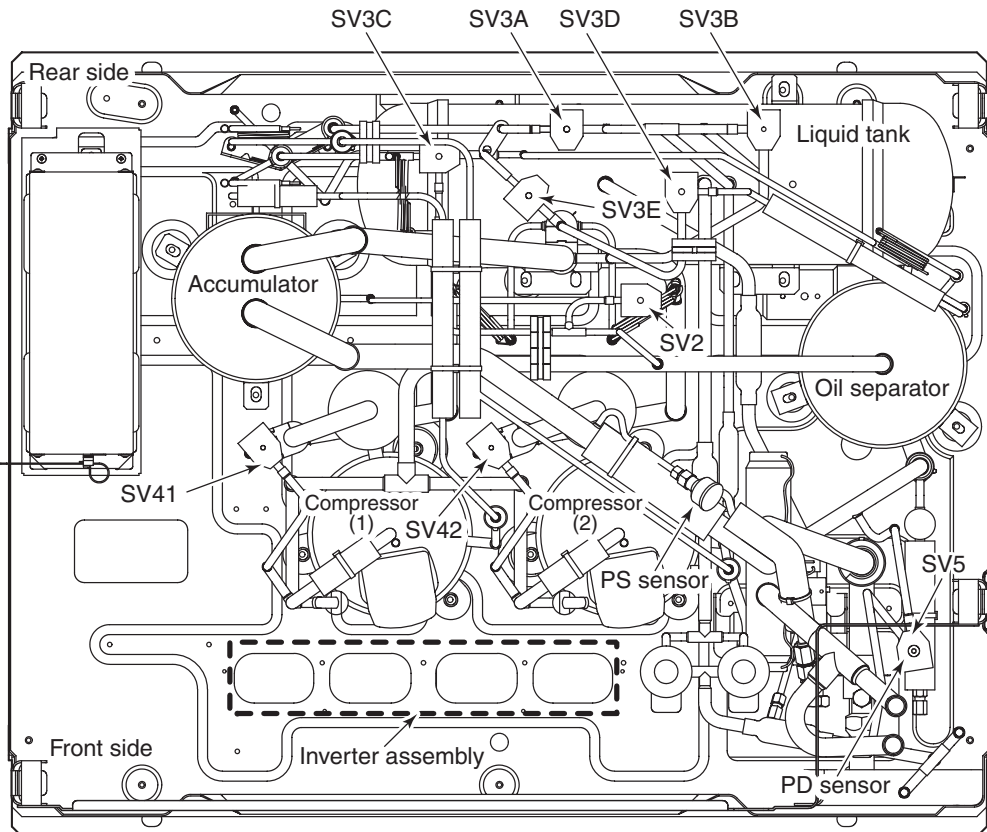
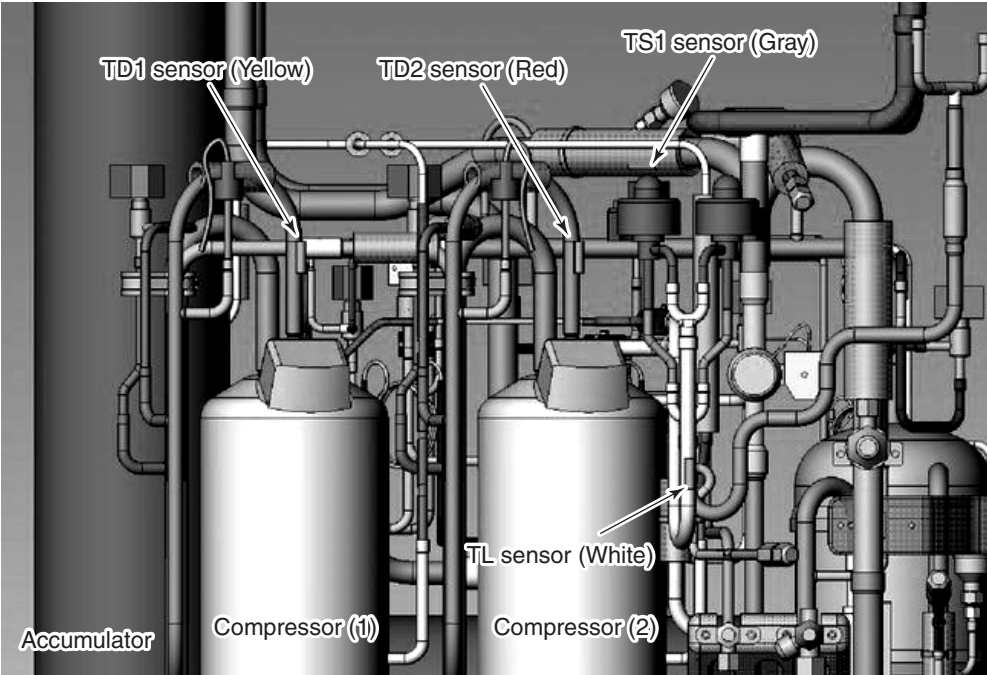
Refrigerant amount to be recovered = 36.0 – 27.0 = 9kg

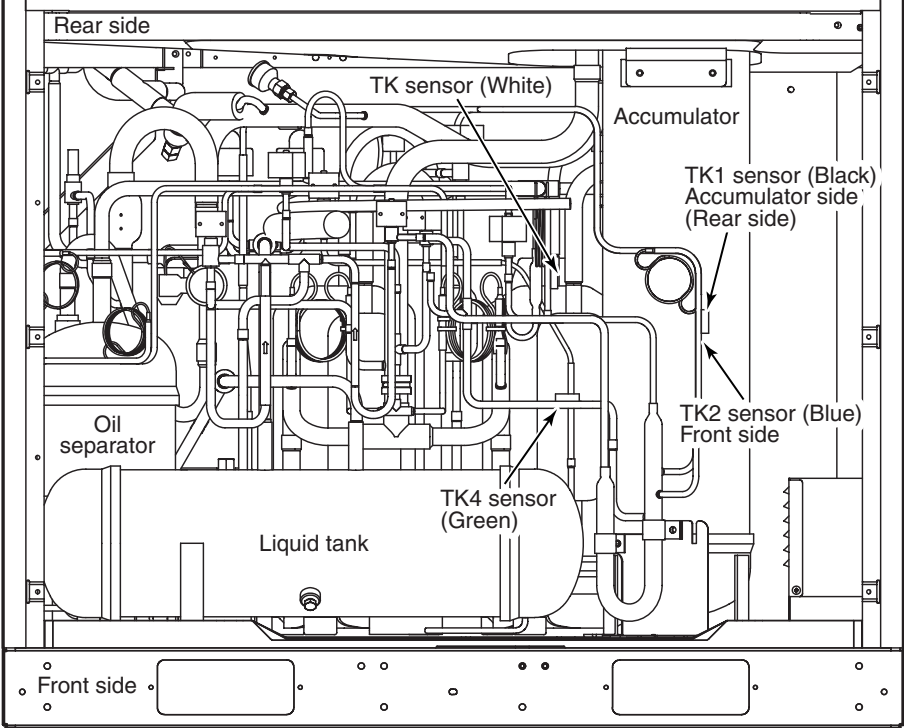
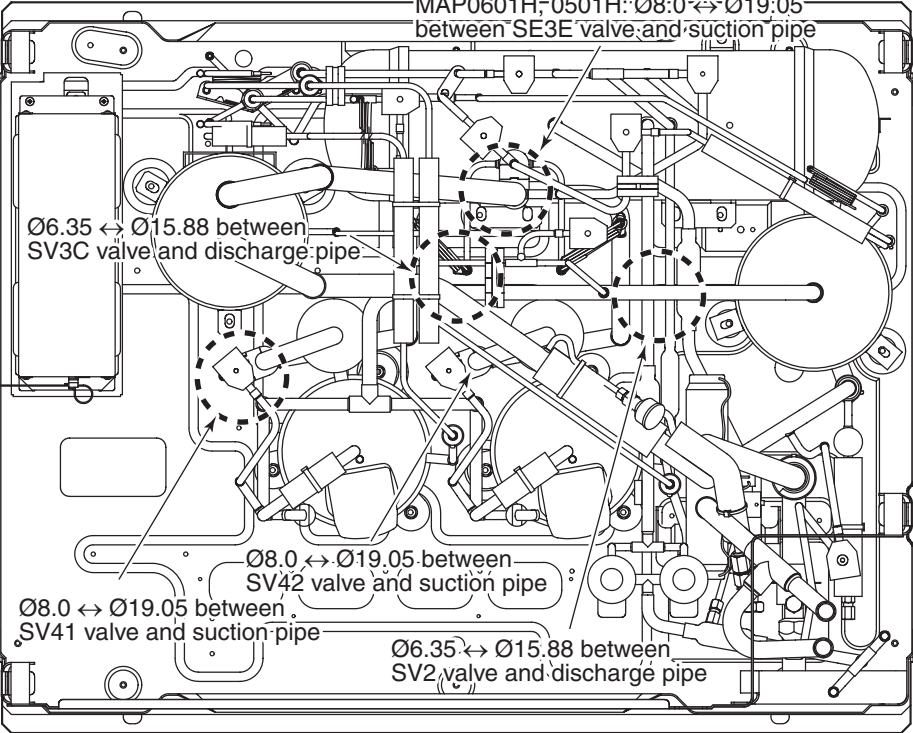
3. For the unit which refrigerant has been recovered, execute “Outdoor Unit Backup Setup” in another section.
All the work has finished.

System HP	Combination of outdoor units				Refrigerant amount (kg)
5	5				8.5
6	6				8.5
8	8				13.5
10	10				14.5
12	12				15.5
14	8	6			20.5
16	8	8			24.0
18	10	8			24.0
20	10	10			27.0
22	8	8	6		32.5
	12	10			29.0
24	8	8	8		32.0
	12	12			31.0
26	10	8	8		32.0
28	10	10	8		34.0
30	10	10	10		36.0
32	8	8	8	8	42.0
	12	10	10		37.0
34	10	8	8	8	42.0
	12	12	10		39.0
36	10	10	8	8	42.0
	12	12	12		40.0
38	10	10	10	8	42.0
40	10	10	10	10	43.0
42	12	10	10	10	44.0
44	12	12	10	10	46.0
46	12	12	12	10	48.0
48	12	12	12	12	50.0

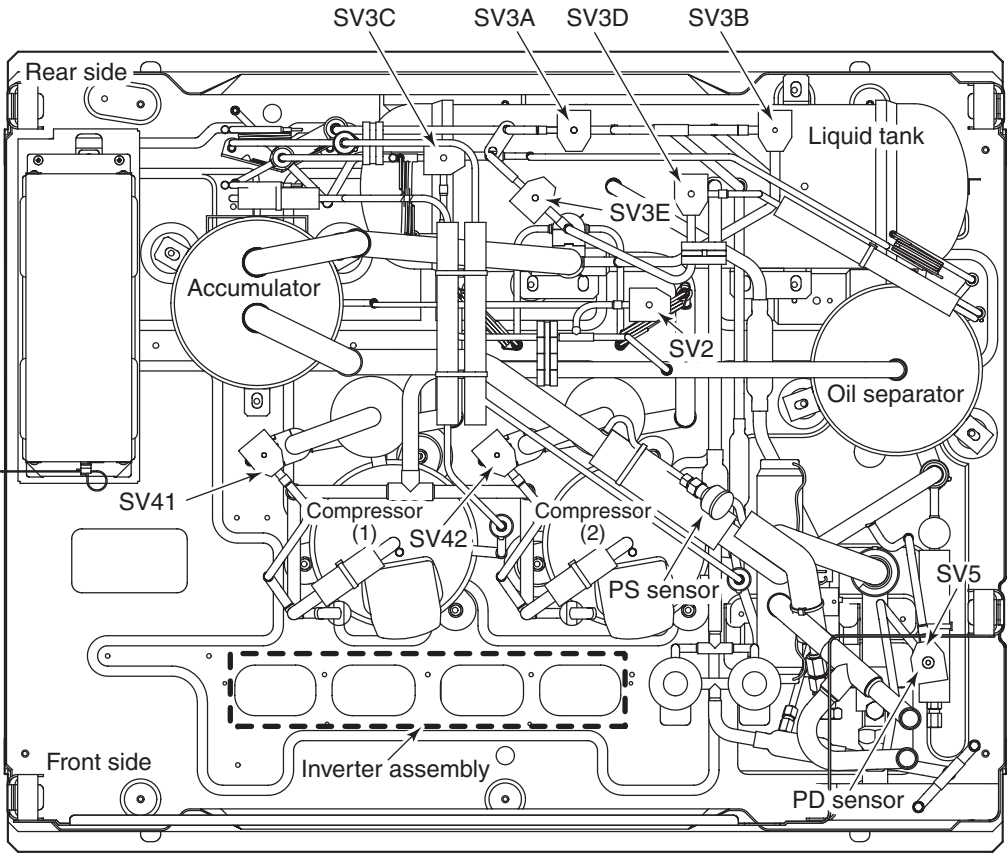
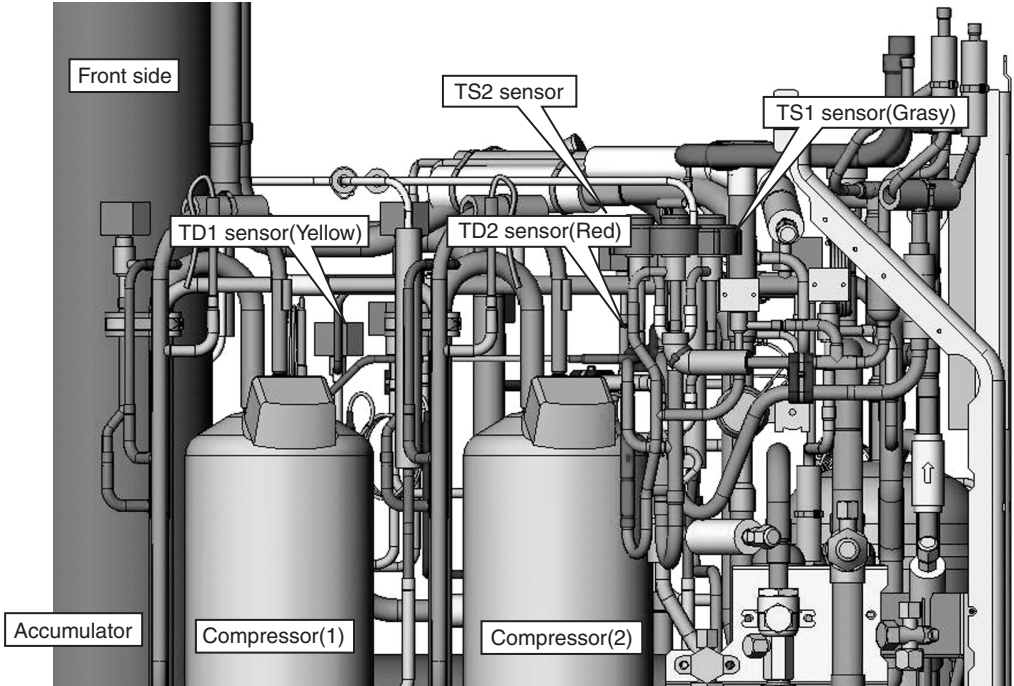
5-5. Replacing Method of Parts

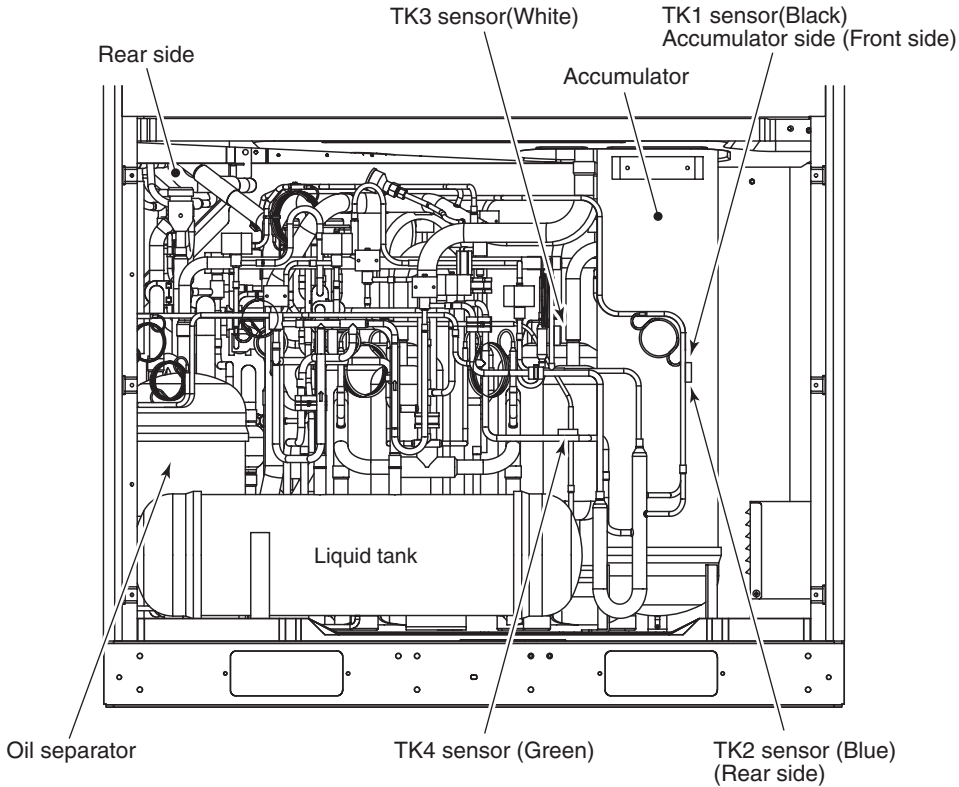
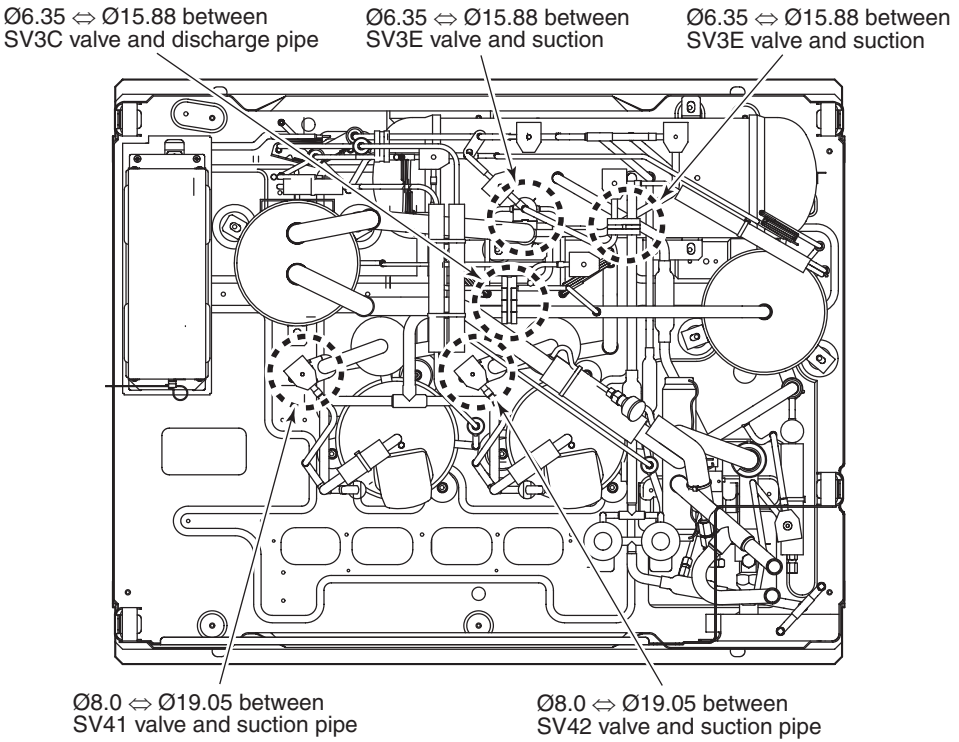
<SMMS Series (A03-009, A04-008) >

No.	Part to be exchanged	Work procedure	Remarks
6	Pressure sensor positions of 2-way valve coil		
7	Temperature sensor positions and identification	<Front side of air conditioner> 	

No.	Part to be exchanged	Work procedure	Remarks
7	Temperature sensor positions and identification	<Rear side of air conditioner> 	
8	Attachment/detachment of pipe fixing rubber	In this air conditioner, (segmentation system) eyeglass rubber and SUS fix band are adopted for fixing the vibration system as one measures to improve the reliability. <Used positions of SUS fixing band: Total 5 positions> 	

<SHRM Series (A05-004-1) >

No.	Part to be exchanged	Work procedure	Remarks
6	Pressure sensor positions of 2-way valve coil		
7	Temperature sensor positions and identification	<Front side of air conditioner> 	

No.	Part to be exchanged	Work procedure	Remarks
7	Temperature sensor positions and identification	<Rear side of air conditioner> 	
8	Attachment/detachment of pipe fixing rubber	This air conditioner has been designed so that vibration has been reduced to a minium by incorporating in the lower section of the unit, the use of eyeglass rubber fixing brackets and SUS bands. Both of which greatly help to reduce vibration and improve unit reliability. Used positions of SUS fixing band:Total 5 positions 	

5-6. P.C. Board Exchange Procedures (Outdoor Unit)

■ How to Check Fan Power Supply P.C. Board and Fan IPDU

The fan power supply P.C. board supplies DC power. It supplies DC280V for the fan IPDU, and DC12V and DC7V for the control power supply respectively. If the control power is not supplied, a communication error (Error code [E31]) is out.

1. How to check fan power supply P.C. board (MCC-1439)

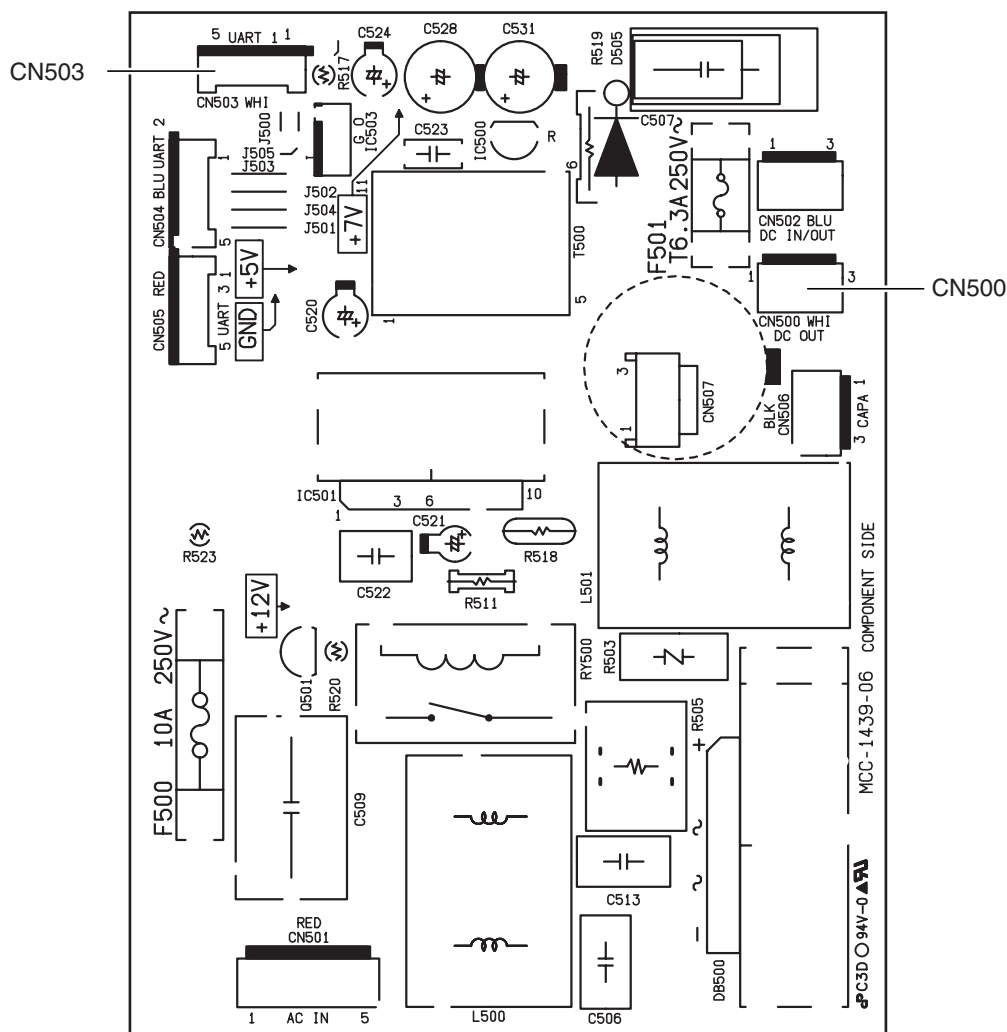
As shown in the following table, measure the voltage of the check positions with a digital tester.

No.	Check item	Check position	Criteria
1	DC280V output	Between CN500 ① and ③	DC260 to DC340V
2	Control power voltage	Between CN500 ① and ⑤	DC12V
3		Between CN500 ② and ⑤	DC7V

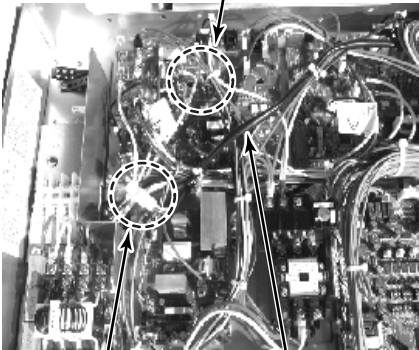
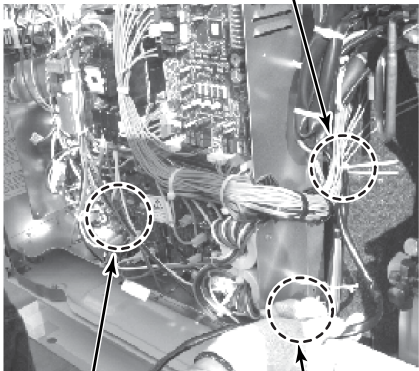
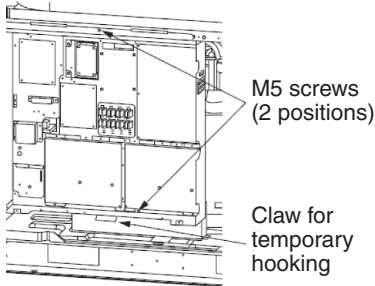
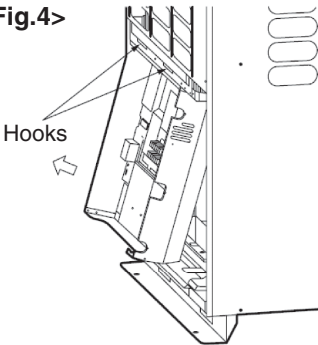
2. How to check fan IPDU

1. Check that the lead wires are correctly inserted into 250 fasten terminal of DC280V input and into the communication connector (CN01).
2. After then replace the fan IPDU if an abnormality is recognized.

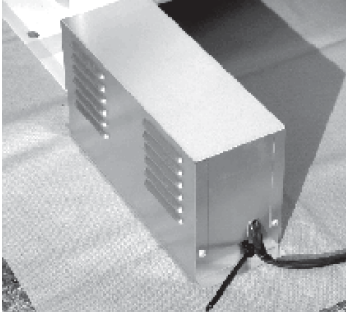
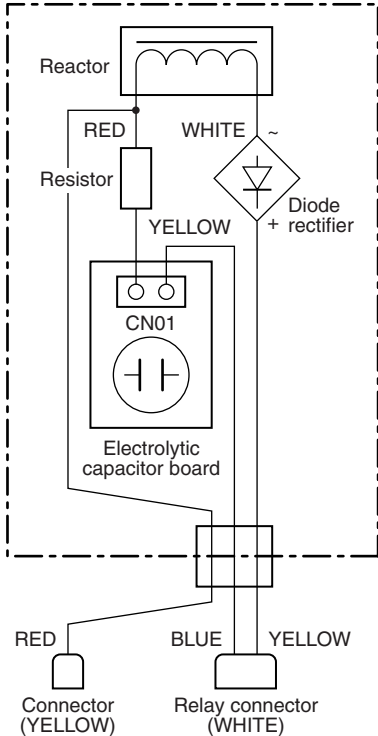
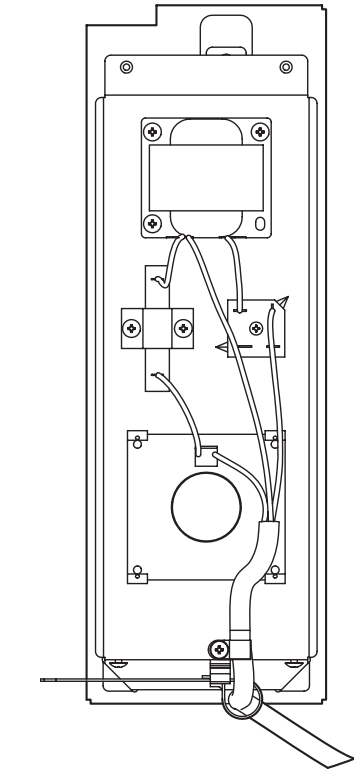
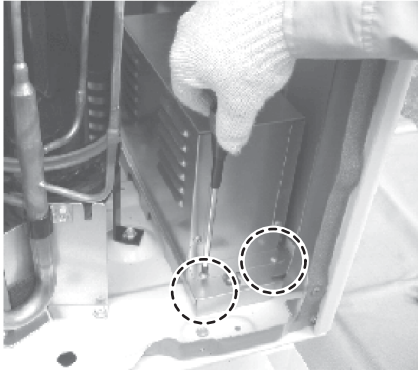
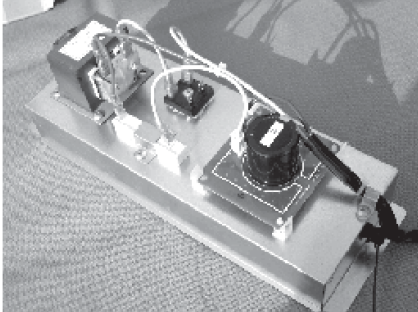
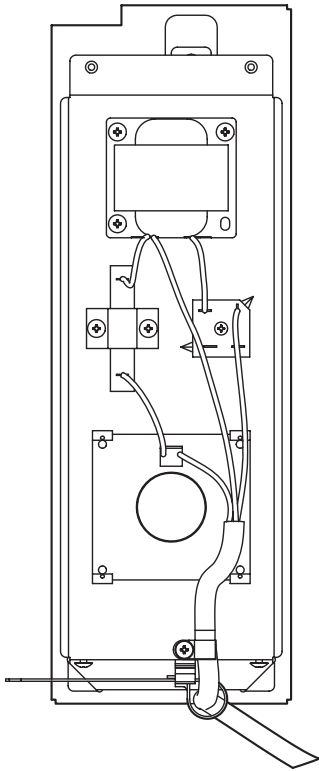
<MCC-1439 Front View>

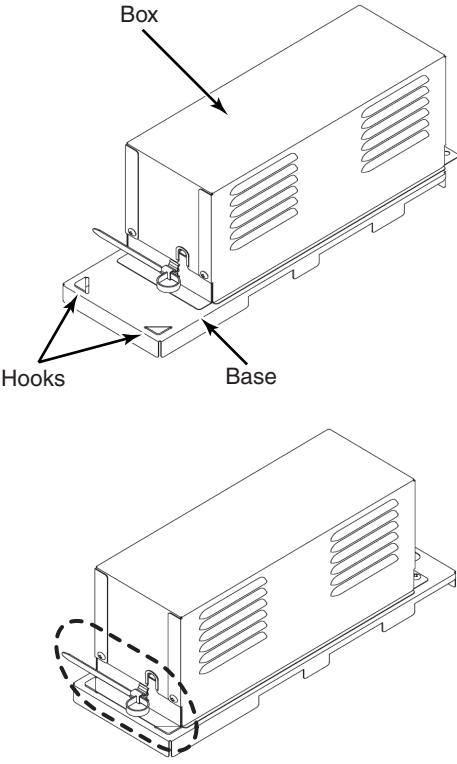


6. DETACHMENTS (Passive Filter Circuit)

No.	Part name	Work procedure	Remarks
10	Passive filter	⚠ CAUTION Wear protective clothing on your hands as other components may cause injury etc. ⚠ WARNING Never open the cabinet while 5 minutes after turn off the power supply. <Disassembling> 1) Stop unit operation and turn off power supply to unit. 2) Remove Front panel. (Screw M5 × 10 , 7pcs) 3) Remove cover of the electric parts box. (Screw M4 × 10 , 2 pcs) 4) Open connector(CN507,yellow) of "Power supply P.C. board for FAN", and open relay connector (white). <Fig.1> 5) Passive filter wiring is fixed at 3 places. Remove the fixation shown in the "Fig.2". (Binding band, 2 pcs. Wire clamp, 1pc) <Fig.2> 6) Remove screws fixing the electric parts box. (1 pc. each at upper and lower sides.) 7) Push down lightly the fixing claw at lower side to take off the claw. (Lower part of the box is out forward.) <Fig.3> 8) Take off hooking claw at upper side while holding the ceiling board with both hands. <Fig.4>	<Fig.1> CN507 of "Power supply P.C. board for FAN"  Relay connector Passive filter wiring <Fig.2> Binding band (B)  Binding band (A) Wire clamp <Fig.3>  M5 screws (2 positions) Claw for temporary hooking <Fig.4>  Hooks



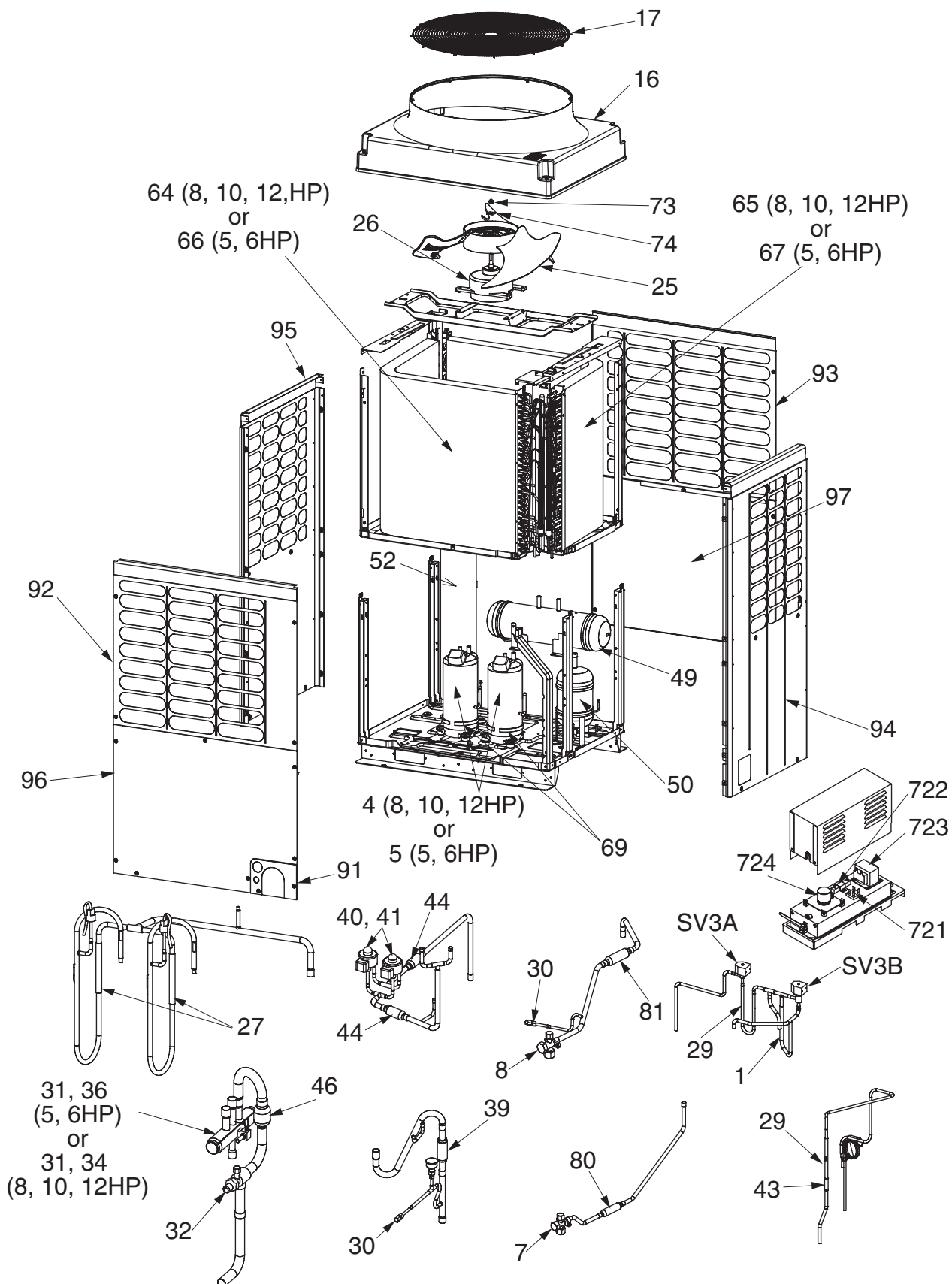
No.	Part name	Work procedure	Remarks
10	Passive filter (Continued)	9) Remove rear panel. (Screw M5 × 10 , 7pcs) 10) Remove the screw which is fixing the passive filter box. (Screw M4 × 10 , 2 pcs) <Fig.6> 11) Take out the passive filter box outside. <Fig.7> 12) Remove The lid of the passive filter box. (Screw M4 × 10 , 4pcs) <Fig.8> <Fig.9>  13) Check the short circuit of each part, and opening. And correct the fault parts. <Fig.9>  <Fig.10> 	<Fig.6>  <Fig.8>  <Fig.10> 

No.	Part name	Work procedure	Remarks
10	Passive filter (Continued)	<Assembly> Assembling by contrary procedure of above 10) → 12). Is connector of the power supply P.C. board for fan connected? Connector No.: CN501, CN502, CN503, CN505, CN506, CN507 Power supply P.C. board A'SSY for Fan: MCC-1439 Is the passive filter connector connected? <Fig. 9> (DC260 to DC340V) <u>Notice</u> When a box fixed, it hooks on the hook of base. <Fig.11>	<Fig.11> 

7. EXPLODED VIEWS AND PARTS LIST

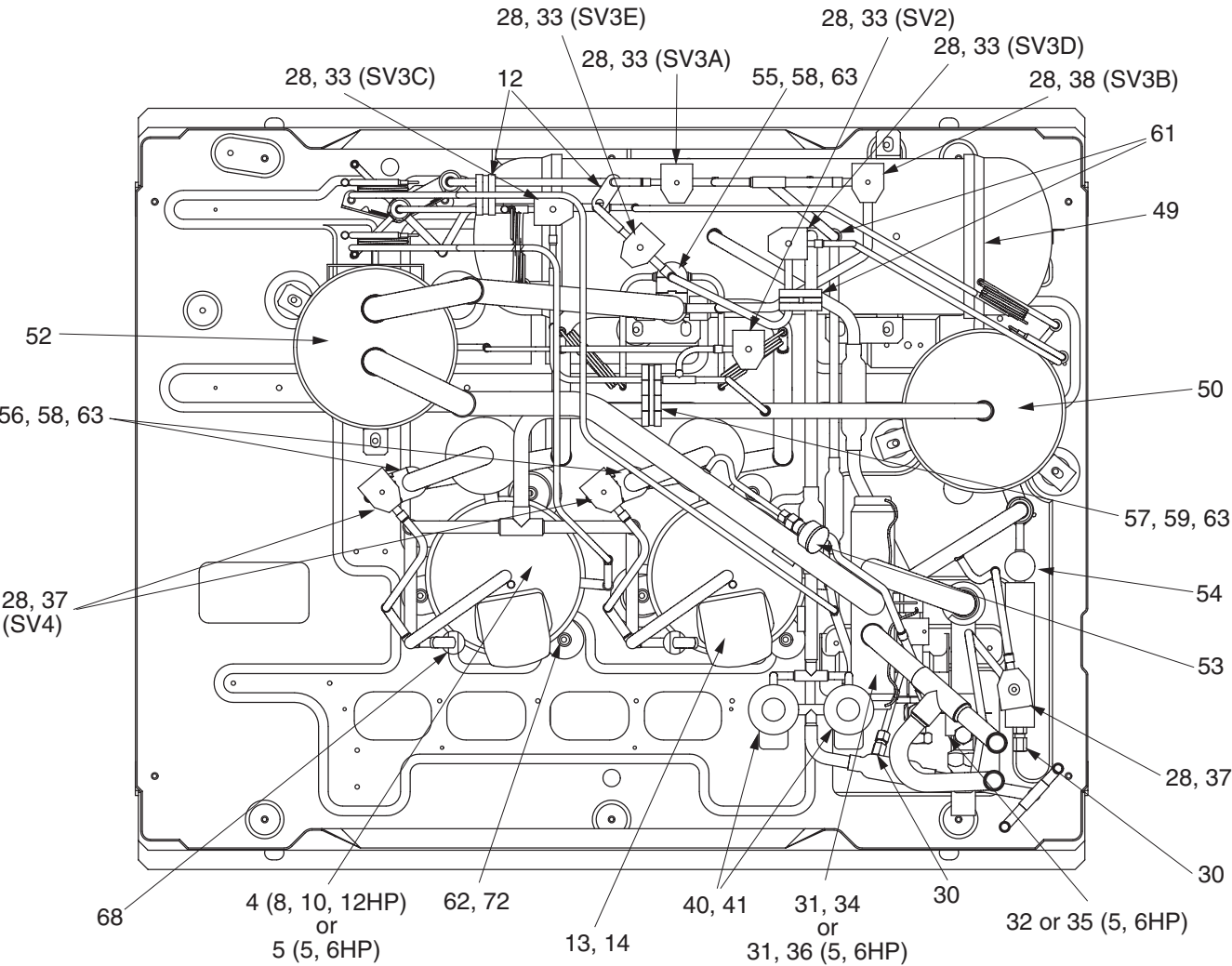
7-1. Outdoor Unit

**MMY-MAP0501HT8-E (5HP), MMY-MAP0601HT8-E (6HP), MMY-MAP0801HT8-E (8HP),
MMY-MAP1001HT8-E (10HP), MMY-MAP1201HT8-E (12HP)**



Location No.	Part No.	Description	Model Name MMY- MAP				
			1201HT8-E	1001HT8-E	0801HT8-E	0601HT8-E	0501HT8-E
1	43146737	Valve, Checked, YCV5P-33GME-1	1	1	1	1	1
4	43041781	Compressor, DA421A3FB-23M	2	2	2		
5	43041782	Compressor, DA351A3FB-23M				2	2
7	43046442	Valve, Packed, 9.52 DIA	1	1	1	2	2
8	43146680	Valve, Packed, 12.7	1	1	1		
16	43100265	Cabinet, Up	1	1	1	1	1
17	43119466	Guard, Fan	1	1	1	1	1
25	43120219	Fan, Propeller, DIA 710, ASG	1	1	1	1	1
26	4312C004	Motor, Fan, DC280V, MF-230-600-1R	1	1	1	1	1
27	43146715	Valve, Checked, BCV-804DY	2	2	2	2	2
29	43146736	Valve, Checked, YCV3-22GME-1	3	3	3	3	3
30	43146676	Joint, Check	3	3	3	3	3
31	43146722	Coil, Solenoid, STF-01AJ502E1	1	1	1	1	1
32	43146727	Valve, Gas, DIA 25	1	1	1		
34	43146698	Valve, 4-Way, STF-0731G	1	1	1		
36	43146687	Valve, 4-Way, STF-0401G				1	1
39	43146734	Valve, Check, ZGV-S55B-A	1	1	1	1	1
40	43146709	Valve, PMV, HAM-BD24TF-1	2	2	2	1	1
41	43146708	Coil, PMV, HAM-MD12TF-3	2	2	2	1	1
43	4314Q060	Strainer, DIA 12.7, C1220T-H	2	2	2	2	2
44	4314Q056	Strainer, DIA 25.4, C1220T-H	2	2	2		
46	4314Q052	Strainer, DIA 45, C1220T-H	1	1	1		
49	43148202	Tank, Liquid	1	1	1	1	1
50	43148192	Separator	1	1	1	1	1
63	43149325	Band, Fix, SUS304	4	4	4	4	4
64	4314G264	Condenser Assembly, Three Row	1	1	1		
65	4314G265	Condenser Assembly, Three Row	1	1	1		
66	4314G249	Condenser Assembly, One Row				1	1
67	4314G250	Condenser Assembly, One Row				1	1
69	43157276	Heater, Case, 29W, AC240V	3	3	3	3	3
73	43197175	Nut, Flange, M10, SWCH12R	1	1	1	1	1
74	43197176	Washer, SPHC	1	1	1	1	1
80	4314Q055	Strainer, DIA 19.05, C1220T-H	1	1	1	1	1
81	4314Q057	Strainer, DIA 25.4, C1220T-H	1	1	1		
91	43100396	Panel, CGCD2-Z08-C77	1	1	1	1	1
92	43100406	Cabinet Assembly, Front, Up	1	1	1	1	1
93	43100407	Cabinet Assembly, Back, Up	1	1	1	1	1
94	43100408	Cabinet Assembly, Side, Right	1	1	1	1	1
95	43100409	Cabinet Assembly, Side, Left	1	1	1	1	1
96	43100410	Cabinet Assembly, Front, Down	1	1	1	1	1
97	43100411	Cabinet Assembly, Back, Down	1	1	1	1	1
721	43031110	Diode, 25A, 600V, *GBPC-2506	1	1	1	1	1
722	43155214	Resistor, 1Ω, 20W	1	1	1	1	1
723	43158207	Reactor, CH-68	1	1	1	1	1
724	4316V362	P.C. Board Assembly, Passive, MCC-1580	1	1	1	1	1

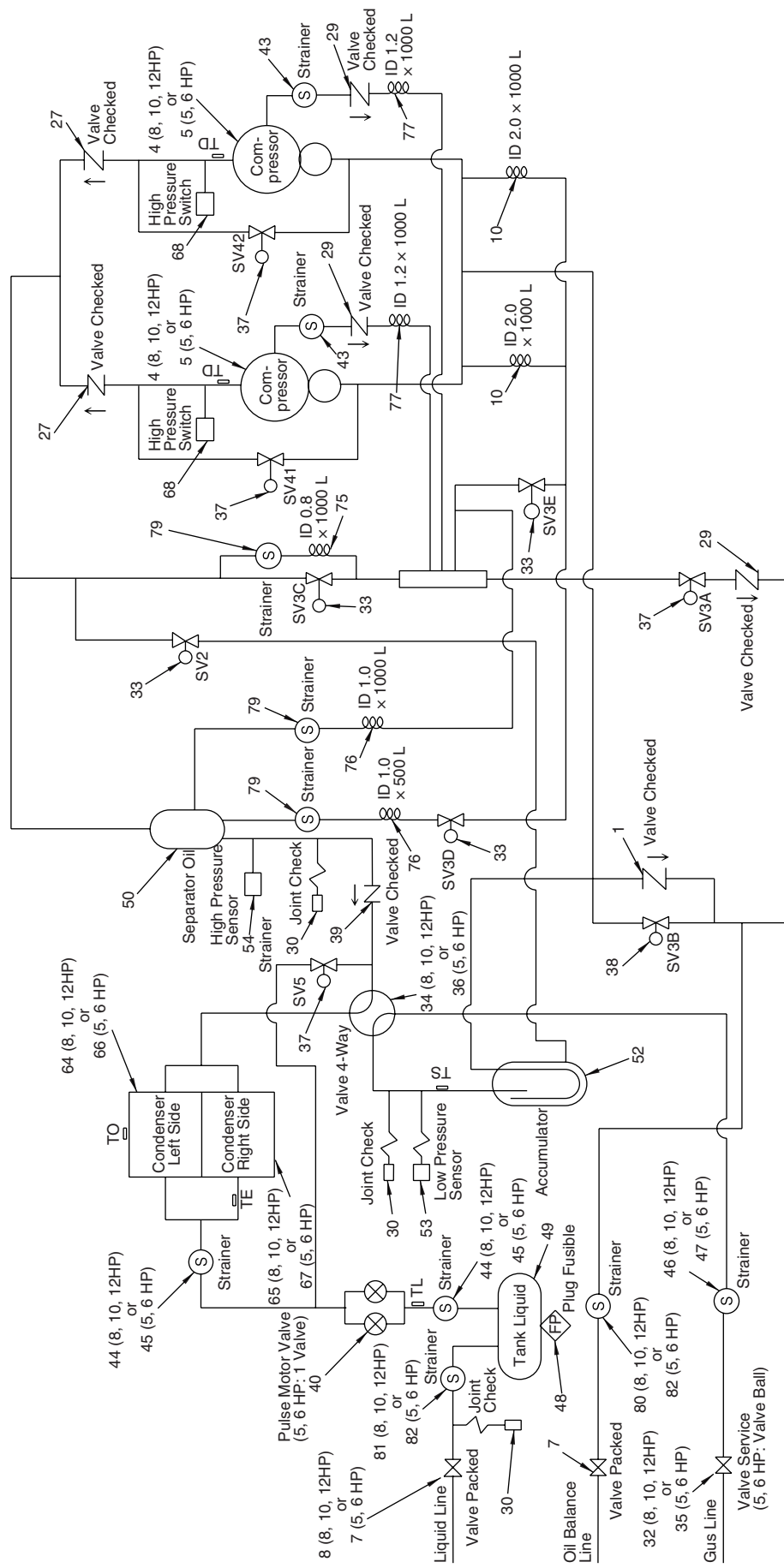
**MMY-MAP0501HT8-E (5HP), MMY-MAP0601HT8-E (6HP), MMY-MAP0801HT8-E (8HP),
MMY-MAP1001HT8-E (10HP), MMY-MAP1201HT8-E (12HP)**



Location No.	Part No.	Description	Model Name MMY- MAP				
			1201HT8-E	1001HT8-E	0801HT8-E	0601HT8-E	0501HT8-E
4	43041781	Compressor, DA421A3FB-23M	2	2	2		
5	43041782	Compressor, DA351A3FB-23M				2	2
12	43049683	Band, DIA 8, EPDM	2	2	2	2	2
13	43050407	Thermostat, Bimetal	2	2	2	2	2
14	43063317	Holder, Thermostat	2	2	2	2	2
28	43146660	Coil, Solenoid, AC220-240V, 50Hz, VPV-MOAJ510B0	9	9	9	9	9
30	43146676	Joint, Check	3	3	3	3	3
31	43146722	Coil, Solenoid, STF-01AJ502E1	1	1	1	1	1
32	43146727	Valve, Gas, DIA 25	1	1	1		
33	43146711	Valve, 2-Way, VPV-122DQ1	5	5	5	5	5
34	43146698	Valve, 4-Way, STF-0731G	1	1	1		
35	43146699	Valve, Ball, B5/8F, Rohs				1	1
36	43146687	Valve, 4-Way, STF-0401G				1	1
37	43146712	Valve, 2-Way, VPV-303DQ1	3	3	3	3	3
38	43146730	Valve, 2-Way, VPV-603DQ2	1	1	1	1	1
40	43146709	Valve, PMV, HAM-BD24TF-1	2	2	2	1	1
41	43146708	Coil, PMV, HAM-MD12TF-3	2	2	2	1	1
49	43148202	Tank, Liquid	1	1	1	1	1
50	43148192	Separator	1	1	1	1	1
52	43148200	Accumulator, 20L	1	1	1	1	1
53	43149377	Sensor Assembly, Low Pressure, 150XA4-L1	1	1	1	1	1
54	43149378	Sensor Assembly, High Pressure, 150XA4-H3	1	1	1	1	1
55	43149317	Rubber, Supporter, Pipe, DIA 25.4	1	1	1		
56	43149318	Rubber, Supporter, Pipe, DIA 19.0	2	2	2	3	3
57	43149319	Rubber, Supporter, Pipe, DIA 15.9	1	1	1	1	1
58	43149320	Rubber, Supporter, Pipe, DIA 8.0	3	3	3	3	3
59	43149321	Rubber, Supporter, Pipe, DIA 6.4	1	1	1	1	1
61	43149323	Rubber, Supporter, Pipe, DIA 9.52-12.7	2	2	2	2	2
62	43149324	Rubber, Cushion, EPDM	6	6	6	6	6
63	43149325	Band, Fix, SUS304	4	4	4	4	4
68	43151283	Switch, Pressure, ACB-4UB32W	2	2	2	2	2
72	43197184	Bolt, Compressor, M6, SWCH18A	6	6	6	6	6

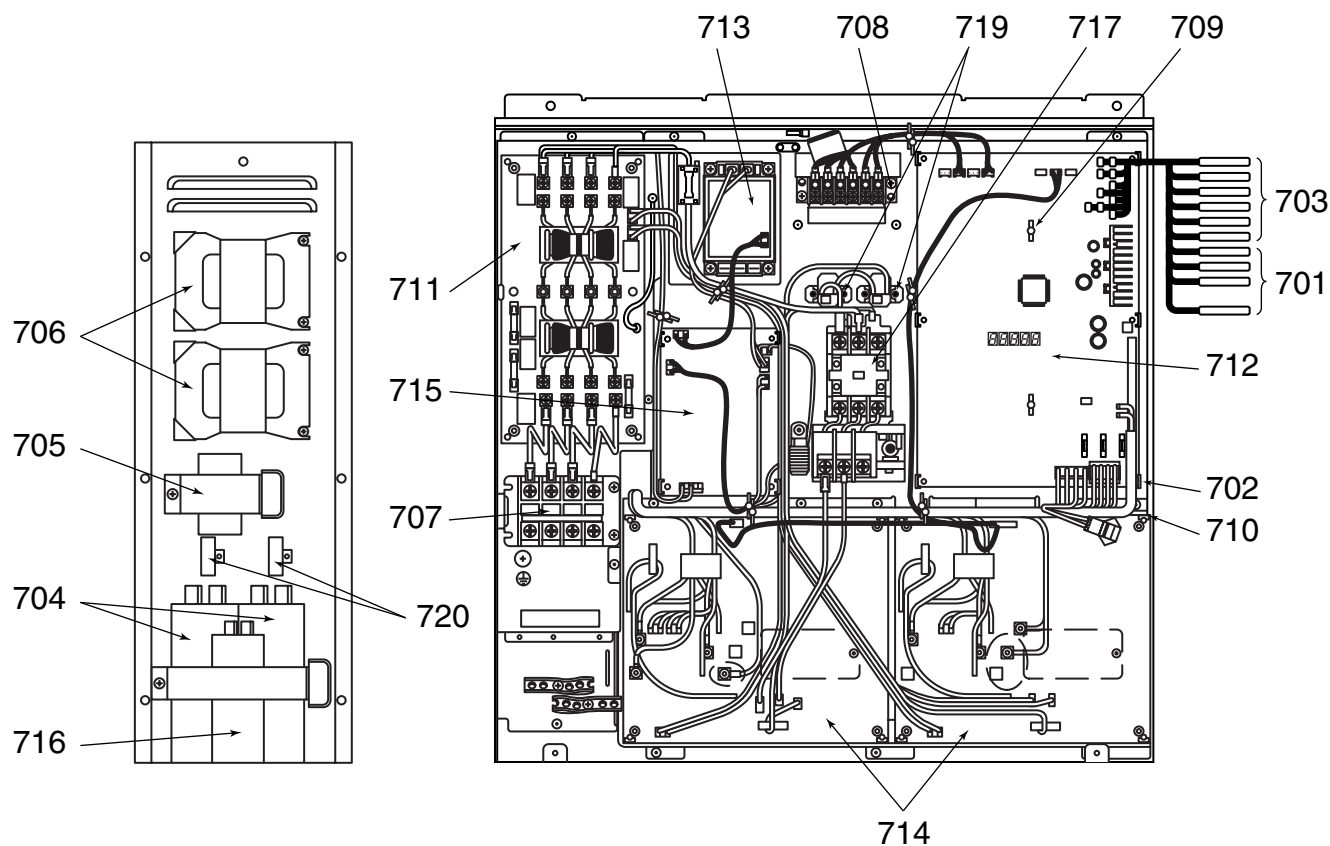
Refrigeration Circuit Diagram

MMY-MAP0501HT8-E (5HP), MMY-MAP0601HT8-E (6HP), MMY-MAP0801HT8-E (8HP),
MMY-MAP1001HT8-E (10HP), MMY-MAP1201HT8-E (12HP)



Location No.	Part No.	Description	Model Name MMY- MAP				
			1201HT8-E	1001HT8-E	0801HT8-E	0601HT8-E	0501HT8-E
1	43146737	Valve, Checked, YCV5P-33GME-1	1	1	1	1	1
4	43041781	Compressor, DA421A3FB-23M	2	2	2		
5	43041782	Compressor, DA351A3FB-23M				2	2
7	43046442	Valve, Packed, 9.52 DIA	1	1	1	2	2
8	43146680	Valve, Packed, 12.7	1	1	1		
10	43047527	Tube, Capillary, ID 2.0 x 2000L	1	1	1	1	1
27	43146715	Valve, Checked, BCV-804DY	2	2	2	2	2
29	43146736	Valve, Checked, YCV3-22GME-1	3	3	3	3	3
30	43146676	Joint, Check	3	3	3	3	3
32	43146727	Valve, Gas, DIA 25	1	1	1		
33	43146711	Valve, 2-Way, VPV-122DQ1	5	5	5	5	5
34	43146698	Valve, 4-Way, STF-0731G	1	1	1		
35	43146699	Valve, Ball, B5/8F, Rohs				1	1
36	43146687	Valve, 4-Way, STF-0401G				1	1
37	43146712	Valve, 2-Way, VPV-303DQ1	3	3	3	3	3
38	43146730	Valve, 2-Way, VPV-603DQ2	1	1	1	1	1
39	43146734	Valve, Checked, ZGV-S55B-A	1	1	1	1	1
40	43146709	Valve, PMV, HAM-BD24TF-1	2	2	2	1	1
43	4314Q060	Strainer, DIA 12.7, C1220T-H	2	2	2	2	2
44	4314Q056	Strainer, DIA 25.4, C1220T-H	2	2	2		
45	4314Q058	Strainer, DIA 25.4				2	2
46	4314Q052	Strainer, DIA 45, C1220T-H	1	1	1		
47	4314Q053	Strainer, DIA 21, C1220T-H				1	1
48	43148220	Plug, Fusible, 73 C	1	1	1	1	1
49	43148202	Tank, Liquid	1	1	1	1	1
50	43148192	Separator	1	1	1	1	1
52	43148200	Accumulator, 20L	1	1	1	1	1
53	43149377	Sensor Assembly, Low Pressure, 150XA4-L1	1	1	1	1	1
54	43149378	Sensor Assembly, High Pressure, 150XA4-H3	1	1	1	1	1
64	4314G264	Condenser Assembly, Three Row	1	1	1		
65	4314G265	Condenser Assembly, Three Row	1	1	1		
66	4314G249	Condenser Assembly, One Row				1	1
67	4314G250	Condenser Assembly, One Row				1	1
68	43151283	Switch, Pressure, ACB-4UB32W	2	2	2	2	2
75	44246235	Tube, Capillary, Bypass, 0.8 DIA	1	1	1	1	1
76	44246236	Tube, Capillary, Bypass, 1.0 DIA	1	1	1	1	1
77	44246239	Tube, Capillary, 1.2 DIA	1	1	1	1	1
79	4314Q054	Strainer, DIA 12.7, C1220T-H	3	3	3	3	3
80	4314Q055	Strainer, DIA 19.05, C1220T-H	1	1	1	1	1
81	4314Q057	Strainer, DIA 25.4, C1220T-H	1	1	1		
82	4314Q059	Strainer, DIA 25.4				1	1

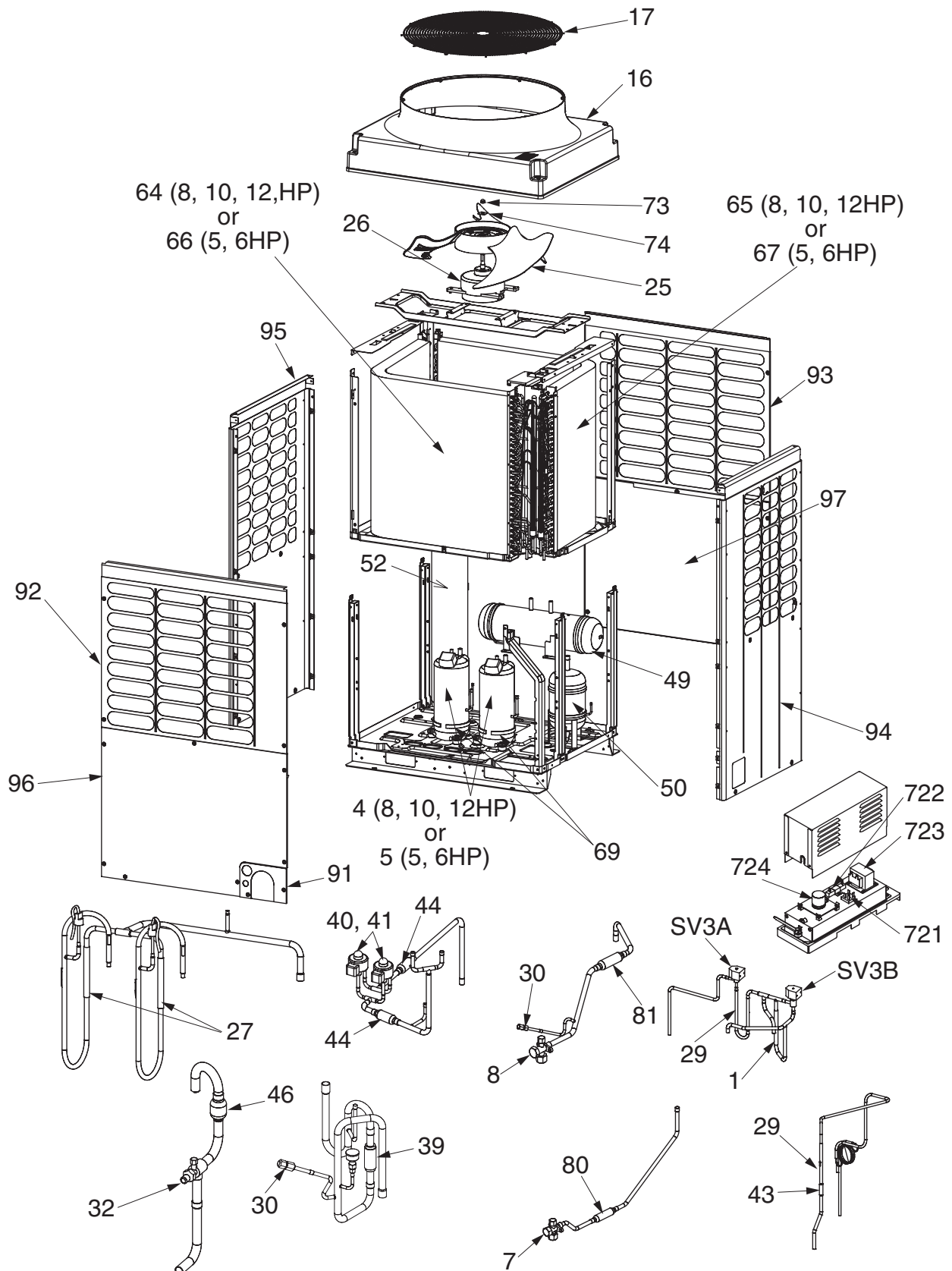
**MMY-MAP0501HT8-E (5HP), MMY-MAP0601HT8-E (6HP), MMY-MAP0801HT8-E (8HP),
MMY-MAP1001HT8-E (10HP), MMY-MAP1201HT8-E (12HP)**



Location No.	Part No.	Description	Model Name MMY- MAP				
			1201HT8-E	1001HT8-E	0801HT8-E	0601HT8-E	0501HT8-E
701	43050382	Sensor, TC (F6)	4	4	4	4	4
702	43063248	Supporter Assembly	3	3	3	3	3
703	43150315	Sensor, TD (F6)	6	6	6	6	6
704	43155176	Capacitor, 400V DC, 1500μF	2	2	2	2	2
705	43158186	Transformer, TT-01-03	1	1	1	1	1
706	43158183	Reactor, CH-44	2	2	2	2	2
707	43160559	Terminal Block, 4P, AC600V, 30A	1	1	1	1	1
708	43160548	Terminal, 6P, AC30V, 1A	1	1	1	1	1
709	43163017	Supporter	2	2	2	2	2
710	43163048	Supporter Assembly	1	1	1	1	1
711	4316V366	P.C. Board Assembly, Noise-Filter, MCC-1366	1	1	1	1	1
712	4316V263	P.C. Board Assembly, Interface, MCC-1429	1	1	1	1	1
713	4316V237	P.C. Board Assembly, Fan-IPDU, IPDU-2D16DA1	1	1	1	1	1
714	4316V245	P.C. Board Assembly, A3-IPDU, MCC-1502	2	2	2	2	2
715	4316V360	P.C. Board Assembly, Power, MCC-1439	1	1	1	1	1
716	43155194	Capacitor, 400V DC, 1000μF	1	1	1	1	1
717	43152506	Electro Magnetic Switch, FW-2S	1	1	1	1	1
719	43153006	PTC-Thermistor, ZPROYCE101A500	2	2	2	2	2
720	43155197	Resistor, 56kΩ, 15W	2	2	2	2	2

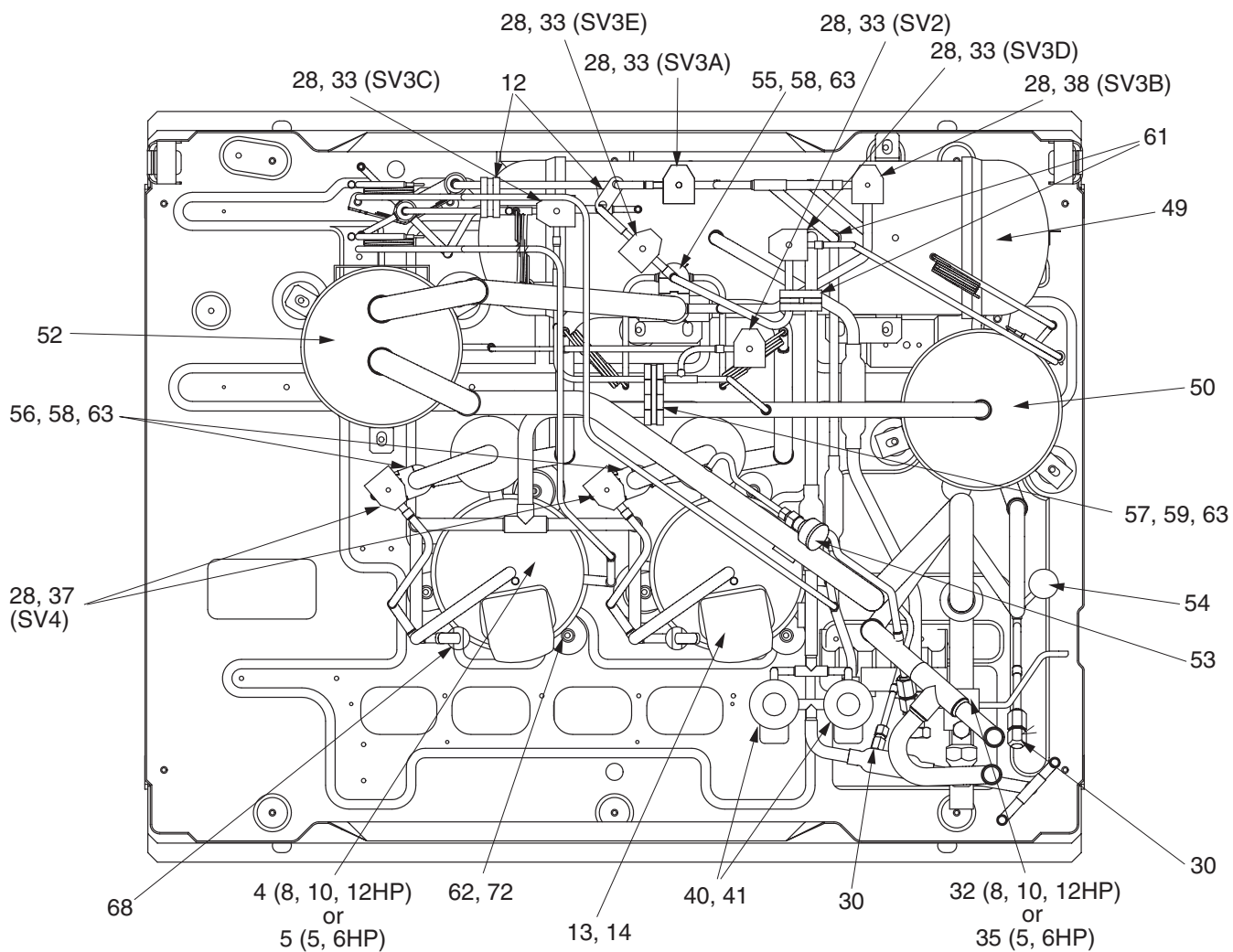
7-2. Outdoor Unit

MMY-MAP0501T8-E (5HP), MMY-MAP0601T8-E (6HP), MMY-MAP0801T8-E (8HP),
MMY-MAP1001T8-E (10HP), MMY-MAP1201T8-E (12HP)



Location No.	Part No.	Description	Model Name MMY- MAP				
			1201T8-E	1001T8-E	0801T8-E	0601T8-E	0501T8-E
1	43146737	Valve, Checked, YCV5P-33GME-1	1	1	1	1	1
4	43041781	Compressor, DA421A3FB-23M	2	2	2		
5	43041782	Compressor, DA351A3FB-23M				2	2
7	43046442	Valve, Packed, 9.52 DIA	1	1	1	2	2
8	43146680	Valve, Packed, 12.7	1	1	1		
16	43100265	Cabinet, Up	1	1	1	1	1
17	43119466	Guard, Fan	1	1	1	1	1
25	43120219	Fan, Propeller, DIA 710, ASG	1	1	1	1	1
26	4312C004	Motor, Fan, DC280V, MF-230-600-1R	1	1	1	1	1
27	43146715	Valve, Checked, BCV-804DY	2	2	2	2	2
29	43146736	Valve, Checked, YCV3-22GME-1	3	3	3	3	3
30	43146676	Joint, Check	3	3	3	3	3
32	43146727	Valve, Gas, DIA 25	1	1	1		
39	43146734	Valve, Check, ZGV-S55B-A	1	1	1	1	1
40	43146709	Valve, PMV, HAM-BD24TF-1	2	2	2	1	1
41	43146708	Coil, PMV, HAM-MD12TF-3	2	2	2	1	1
43	4314Q060	Strainer, DIA 12.7, C1220T-H	2	2	2	2	2
44	4314Q056	Strainer, DIA 25.4, C1220T-H	2	2	2		
46	4314Q052	Strainer, DIA 45, C1220T-H	1	1	1		
49	43148202	Tank, Liquid	1	1	1	1	1
50	43148192	Separator	1	1	1	1	1
63	43149325	Band, Fix, SUS304	4	4	4	4	4
64	4314G264	Condenser Assembly, Three Row	1	1	1		
65	4314G265	Condenser Assembly, Three Row	1	1	1		
66	4314G249	Condenser Assembly, One Row				1	1
67	4314G250	Condenser Assembly, One Row				1	1
69	43157276	Heater, Case, 29W, AC240V	3	3	3	3	3
73	43197175	Nut, Flange, M10, SWCH12R	1	1	1	1	1
74	43197176	Washer, SPHC	1	1	1	1	1
80	4314Q055	Strainer, DIA 19.05, C1220T-H	1	1	1	1	1
81	4314Q057	Strainer, DIA 25.4, C1220T-H	1	1	1		
91	43100396	Panel, CGCD2-Z08-C77	1	1	1	1	1
92	43100406	Cabinet Assembly, Front, Up	1	1	1	1	1
93	43100407	Cabinet Assembly, Back, Up	1	1	1	1	1
94	43100408	Cabinet Assembly, Side, Left	1	1	1	1	1
95	43100409	Cabinet Assembly, Side, Right	1	1	1	1	1
96	43100410	Cabinet Assembly, Front, Down	1	1	1	1	1
97	43100411	Cabinet Assembly, Back, Down	1	1	1	1	1
721	43031110	Diode, 25A, 600V, *GBPC-2506	1	1	1	1	1
722	43155214	Resistor, 1Ω, 20W	1	1	1	1	1
723	43158207	Reactor, CH-68	1	1	1	1	1
724	4316V362	P.C. Board Assembly, Passive, MCC-1580	1	1	1	1	1

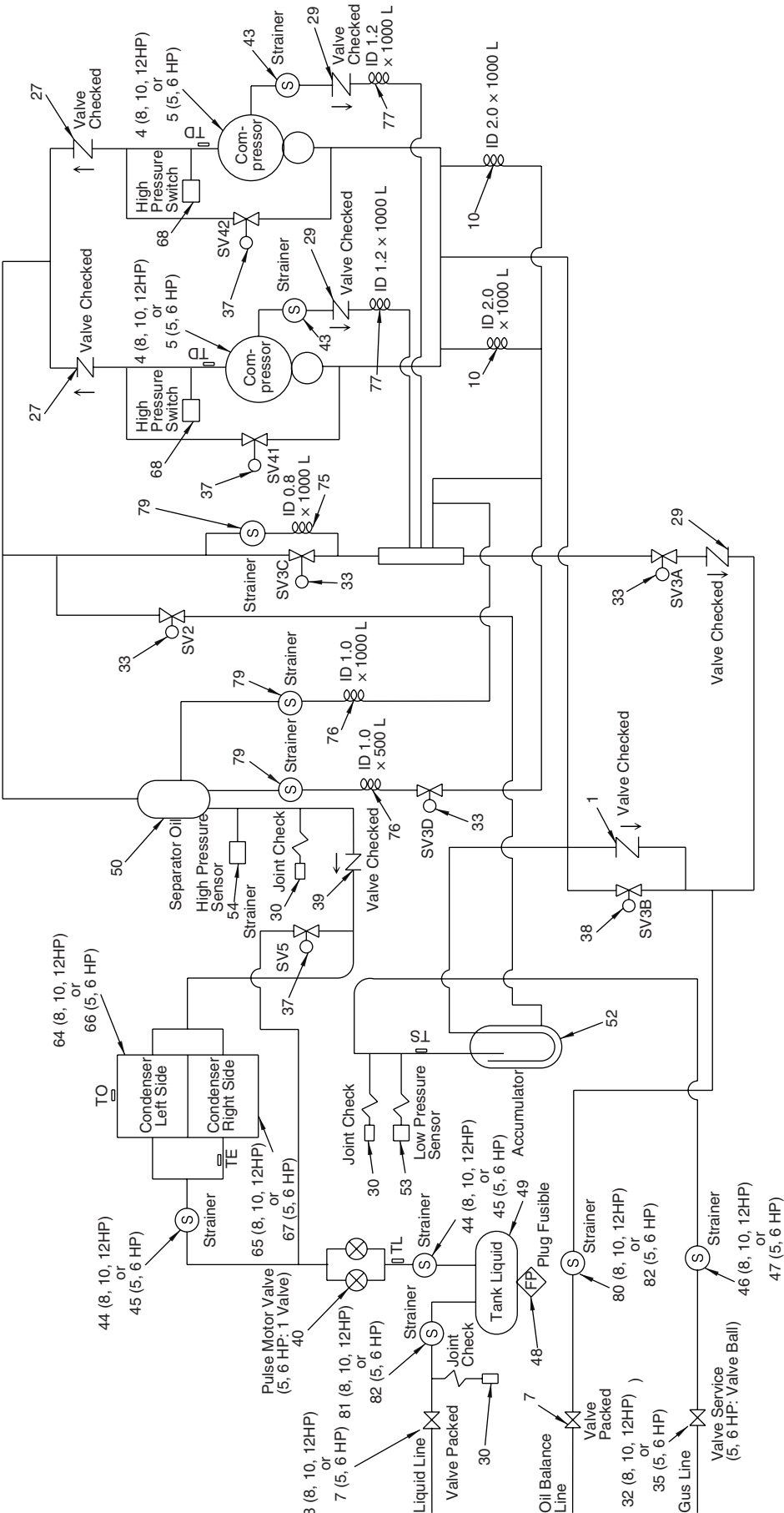
**MMY-MAP0501T8-E (5HP), MMY-MAP0601T8-E (6HP), MMY-MAP0801T8-E (8HP),
MMY-MAP1001T8-E (10HP), MMY-MAP1201T8-E (12HP)**



Location No.	Part No.	Description	Model Name MMY- MAP				
			1201T8-E	1001T8-E	0801T8-E	0601T8-E	0501T8-E
4	43041781	Compressor, DA421A3FB-23M	2	2	2		
5	43041782	Compressor, DA351A3FB-23M				2	2
12	43049683	Band, DIA 8, EPDM	2	2	2	1	1
13	43050407	Thermostat, Bimetal	2	2	2	2	2
14	43063317	Holder, Thermostat	2	2	2	2	2
28	43146660	Coil, Solenoid, AC220-240V, 50Hz, VPV-MOAJ510B0	7	7	7	7	7
30	43146676	Joint, Check	3	3	3	3	3
32	43146727	Valve, Gas, DIA 25	1	1	1		
33	43146711	Valve, 2-Way, VPV-122DQ1	4	4	4	4	4
35	43146699	Valve, Ball, B5/8F, Rohs				1	1
37	43146712	Valve, 2-Way, VPV-303DQ1	2	2	2	2	2
38	43146730	Valve, 2-Way, VPV-603DQ2	1	1	1	1	1
40	43146709	Valve, PMV, HAM-BD24TF-1	2	2	2	1	1
41	43146708	Coil, PMV, HAM-MD12TF-3	2	2	2	1	1
49	43148202	Tank, Liquid	1	1	1	1	1
50	43148192	Separator	1	1	1	1	1
52	43148200	Accumulator, 20L	1	1	1	1	1
53	43149377	Sensor Assembly, Low Pressure, 150XA4-L1	1	1	1	1	1
54	43149378	Sensor Assembly, High Pressure, 150XA4-H3	1	1	1	1	1
55	43149317	Rubber, Supporter, Pipe, DIA 25.4	1	1	1		
56	43149318	Rubber, Supporter, Pipe, DIA 19.0	2	2	2	3	3
57	43149319	Rubber, Supporter, Pipe, DIA 15.9	1	1	1	1	1
58	43149320	Rubber, Supporter, Pipe, DIA 8.0	3	3	3	3	3
59	43149321	Rubber, Supporter, Pipe, DIA 6.4	1	1	1	1	1
61	43149323	Rubber, Supporter, Pipe, DIA 9.52-12.7	2	2	2	2	2
62	43149324	Rubber, Cushion, EPDM	6	6	6	6	6
63	43149325	Band, Fix, SUS304	4	4	4	4	4
68	43151283	Switch, Pressure, ACB-4UB32W	2	2	2	2	2
72	43197184	Bolt, Compressor, M6, SWCH18A	6	6	6	6	6

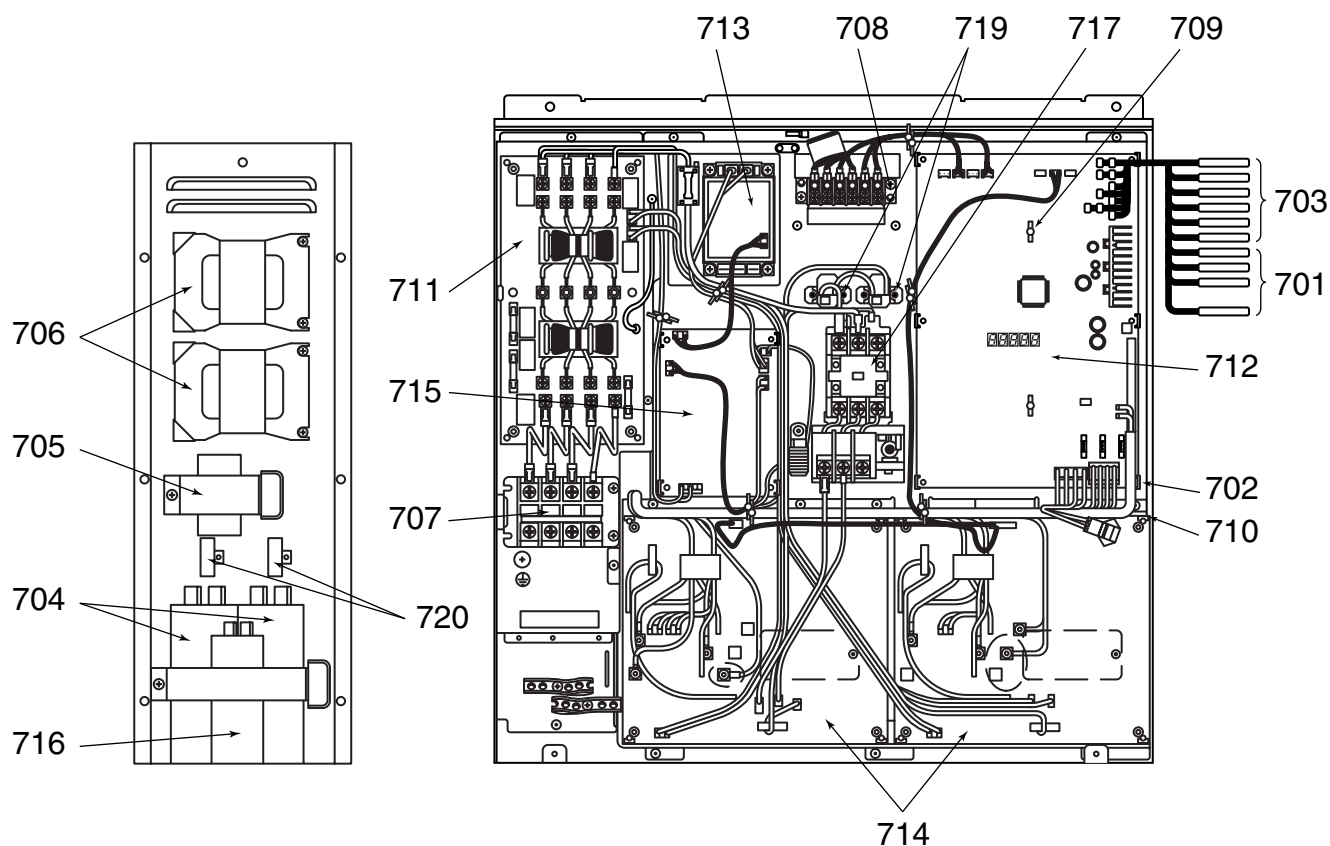
Refrigeration Circuit Diagram

MMY-MAP0501T8-E (5HP), MMY-MAP0601T8-E (6HP), MMY-MAP0801T8-E (8HP),
MMY-MAP1001T8-E (10HP), MMY-MAP1201T8-E (12HP)



Location No.	Part No.	Description	Model Name MMY- MAP				
			1201T8-E	1001T8-E	0801T8-E	0601T8-E	0501T8-E
1	43146737	Valve, Checked, YCV5P-33GME-1	1	1	1	1	1
4	43041781	Compressor, DA421A3FB-23M	2	2	2		
5	43041782	Compressor, DA351A3FB-23M				2	2
7	43046442	Valve, Packed, 9.52 DIA	1	1	1	2	2
8	43146680	Valve, Packed, 12.7	1	1	1		
10	43047527	Tube, Capillary, ID 2.0 x 2000L	1	1	1	1	1
27	43146715	Valve, Checked, BCV-804DY	2	2	2	2	2
29	43146736	Valve, Checked, YCV3-22GME-1	3	3	3	3	3
30	43146676	Joint, Check	3	3	3	3	3
32	43146727	Valve, Gas, DIA 25	1	1	1		
33	43146711	Valve, 2-Way, VPV-122DQ1	4	4	4	4	4
35	43146699	Valve, Ball, B5/8F, Rohs				1	1
37	43146712	Valve, 2-Way, VPV-303DQ1	2	2	2	2	2
38	43146730	Valve, 2-Way, VPV-603DQ2	1	1	1	1	1
39	43146734	Valve, Checked, ZGV-S55B-A	1	1	1	1	1
40	43146709	Valve, PMV, HAM-BD24TF-1	2	2	2	1	1
43	4314Q060	Strainer, DIA 12.7, C1220T-H	2	2	2	2	2
44	4314Q056	Strainer, DIA 25.4, C1220T-H	2	2	2		
45	4314Q058	Strainer, DIA 25.4				2	2
46	4314Q052	Strainer, DIA 45, C1220T-H	1	1	1		
47	4314Q053	Strainer, DIA 21, C1220T-H				1	1
48	43148220	Plug, Fusible, 73°C	1	1	1	1	1
49	43148202	Tank, Liquid	1	1	1	1	1
50	43148192	Separator	1	1	1	1	1
52	43148200	Accumulator, 20L	1	1	1	1	1
53	43149377	Sensor Assembly, Low Pressure, 150XA4-L1	1	1	1	1	1
54	43149378	Sensor Assembly, High Pressure, 150XA4-H3	1	1	1	1	1
64	4314G264	Condenser Assembly, Three Row	1	1	1		
65	4314G265	Condenser Assembly, Three Row	1	1	1		
66	4314G249	Condenser Assembly, One Row				1	1
67	4314G250	Condenser Assembly, One Row				1	1
68	43151283	Switch, Pressure, ACB-4UB32W	2	2	2	2	2
75	44246235	Tube, Capillary, Bypass, 0.8 DIA	1	1	1	1	1
76	44246236	Tube, Capillary, Bypass, 1.0 DIA	1	1	1	1	1
77	44246239	Tube, Capillary, 1.2 DIA	1	1	1	1	1
79	4314Q054	Strainer, DIA 12.7, C1220T-H	3	3	3	3	3
80	4314Q055	Strainer, DIA 19.05, C1220T-H	1	1	1	1	1
81	4314Q057	Strainer, DIA 25.4, C1220T-H	1	1	1		
82	4314Q059	Strainer, DIA 25.4				1	1

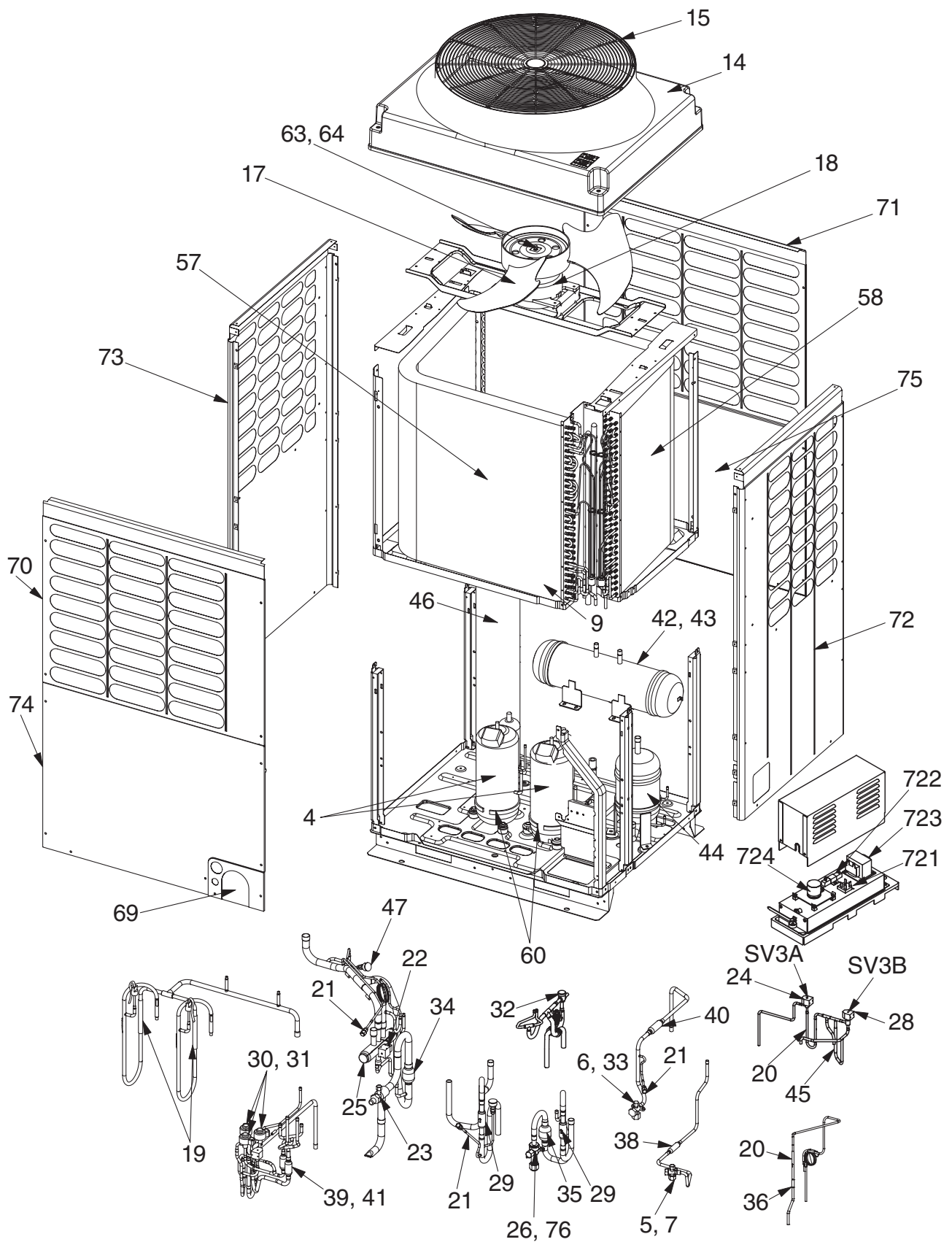
**MMY-MAP0501T8-E (5HP), MMY-MAP0601T8-E (6HP), MMY-MAP0801T8-E (8HP),
MMY-MAP1001T8-E (10HP), MMY-MAP1201T8-E (12HP)**



Location No.	Part No.	Description	Model Name MMY- MAP				
			1201T8-E	1001T8-E	0801T8-E	0601T8-E	0501T8-E
701	43050382	Sensor, TC (F6)	4	4	4	4	4
702	43063248	Supporter Assembly	3	3	3	3	3
703	43150315	Sensor, TD (F6)	6	6	6	6	6
704	43155176	Capacitor, 400V DC, 1500μF	2	2	2	2	2
705	43158186	Transformer, TT-01-03	1	1	1	1	1
706	43158183	Reactor, CH-44	2	2	2	2	2
707	43160559	Terminal Block, 4P, AC600V, 30A	1	1	1	1	1
708	43160548	Terminal, 6P, AC30V, 1A	1	1	1	1	1
709	43163017	Supporter	2	2	2	2	2
710	43163048	Supporter Assembly	1	1	1	1	1
711	4316V366	P.C. Board Assembly, Noise-Filter, MCC-1366	1	1	1	1	1
712	4316V263	P.C. Board Assembly, Interface, MCC-1429	1	1	1	1	1
713	4316V237	P.C. Board Assembly, Fan-IPDU, IPDU-2D16DA1	1	1	1	1	1
714	4316V245	P.C. Board Assembly, A3-IPDU, MCC-1502	2	2	2	2	2
715	4316V360	P.C. Board Assembly, Power, MCC-1439	1	1	1	1	1
716	43155194	Capacitor, 400V DC, 1000μF	1	1	1	1	1
717	43152506	Electro Magnetic Switch, FW-2S	1	1	1	1	1
719	43153006	PTC-Thermistor, ZPROYCE101A500	2	2	2	2	2
720	43155197	Resistor, 56kΩ, 15W	2	2	2	2	2

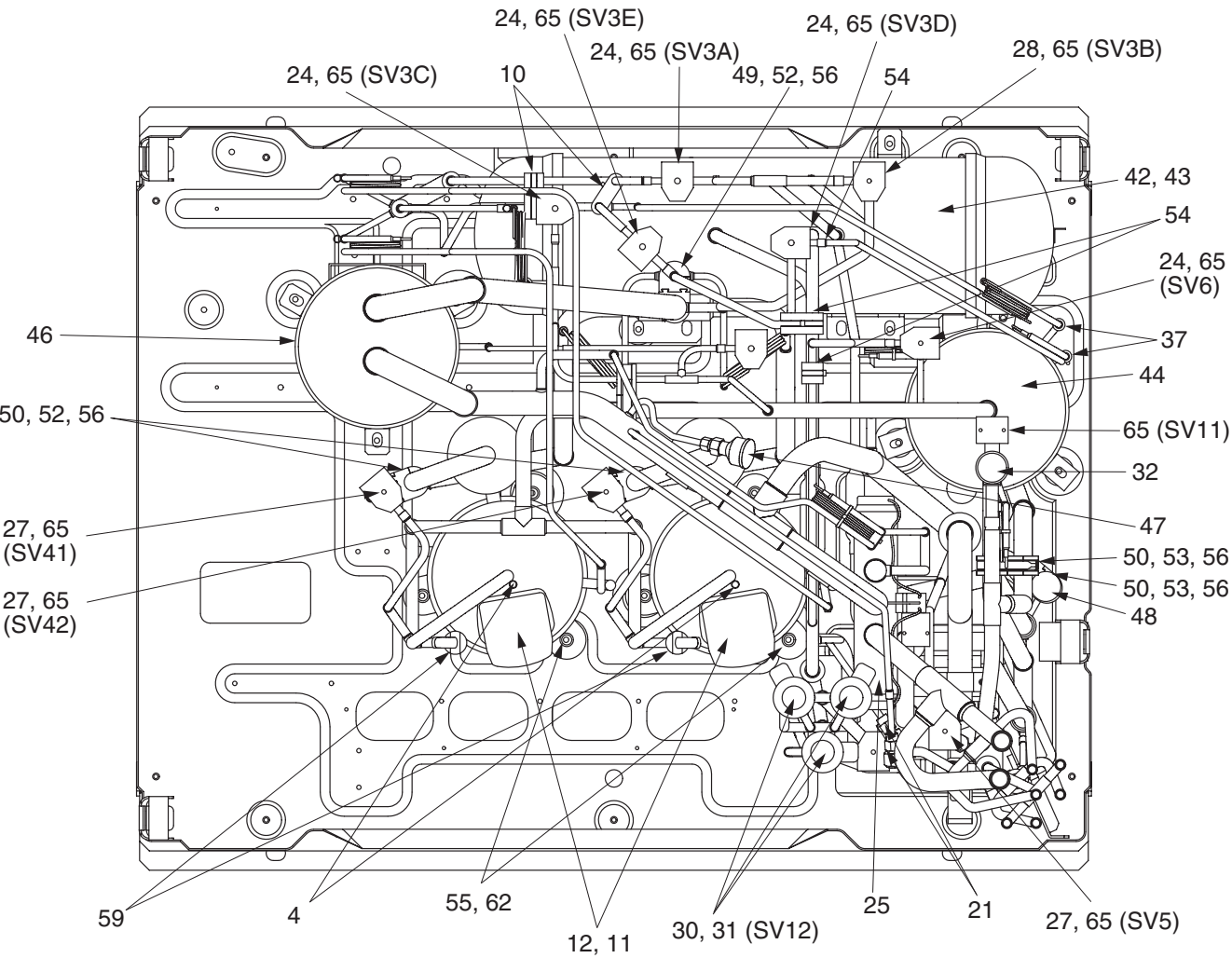
7-3. Outdoor Unit

MMY-MAP0802FT8-E, MMY-MAP1002FT8-E, MMY-MAP1202FT8-E



Location No.	Part No.	Description	Model Name MMY-MAP		
			1202FT8-E	1002FT8-E	0802FT8-E
4	43041781	Compressor, DA421A3FB-23M	2	2	2
5	43046442	Valve, Packed, 9.52 DIA	1	1	1
6	43146680	Valve, Packed, 12.7	1	1	1
7	43047401	Bonnet, 3/8, IN	1	1	1
9	43063332	Holder, Sensor	1	1	1
14	43100265	Cabinet, Up	1	1	1
15	43119466	Guard, Fan	1	1	1
17	43120219	Fan, Propeller, DIA 710, ASG	1	1	1
18	4312C004	Motor, Fan, DC 280V, MF-230-600-1R	1	1	1
19	43146715	Valve, Checked, BCV-804DY	2	2	2
20	43146736	Valve, Checked, YCV3-22GME-1	3	3	3
21	43146676	Joint, Check	3	3	3
22	43146722	Coil, Solenoid, STF-01AJ502E1	1	1	1
23	43146727	Valve, Gas, DIA 25	1	1	1
24	43146711	Valve, 2-Way, VPV-122DQ1	7	7	7
25	43146698	Valve, 4-Way, STF-0731G	1	1	1
26	43146699	Valve, Ball, B5/8F, Rohs	1	1	1
28	43146730	Valve, 2-Way, VPV-603DQ2	1	1	1
29	43146734	Valve, Check, ZGV-S55B-A	2	2	2
30	43146709	Valve, PMV, HAM-BD24TF-1	3	3	3
31	43146708	Coil, PMV, HAM-MD12TF-3	3	3	3
32	43146731	Valve, 2-Way, VPV-1204DQ50	1	1	1
33	43147195	Bonnet, 1/2, IN	1	1	1
34	4314Q052	Strainer, DIA 45, C1220T-H	1	1	1
35	4314Q053	Strainer, DIA 21, C1220T-H	1	1	1
36	4314Q060	Strainer, DIA 12.7, C1220T-H	2	2	2
38	4314Q055	Strainer, DIA 19.05, C1220T-H	1	1	1
39	4314Q056	Strainer, DIA 25.4, C1220T-H	2	2	2
40	4314Q057	Strainer, DIA 25.4, C1220T-H	1	1	1
41	4314Q058	Strainer, DIA 25.4	1	1	1
42	43148220	Plug, Fusible, 73°C	1	1	1
43	43148202	Tank, Liquid	1	1	1
44	43148192	Separator	1	1	1
45	43146737	Valve, Checked, YCV5P-33GME-1	1	1	1
46	43148200	Accumulator, 20L	1	1	1
47	43149377	Sensor Assembly, Low Pressure, 150XA4-L1	1	1	1
57	4314G272	Condenser Assembly, Three Row	1	1	1
58	4314G273	Condenser Assembly, Three Row	1	1	1
60	43157276	Heater, Case, 29W, AC 240V	3	3	3
61	431S8087	Owner's Manual, MMY-MAP1202FT8-E	1	1	1
63	43197175	Nut, Flange, M10, SWCH12R	1	1	1
64	43197176	Washer, SPHC	1	1	1
69	43100396	Panel, CGCD2-Z08-C77	1	1	1
70	43100406	Cabinet Assembly, Front, Up	1	1	1
71	43100407	Cabinet Assembly, Back, Up	1	1	1
72	43100408	Cabinet Assembly, Side, Left	1	1	1
73	43100409	Cabinet Assembly, Side, Right	1	1	1
74	43100410	Cabinet Assembly, Front, Down	1	1	1
75	43100411	Cabinet Assembly, Back, Down	1	1	1
76	43194029	Bonnet	1	1	1
721	43031110	Diode, 25A, 600V, *GBPC-2506	1	1	1
722	43155214	Resistor, 1Ω, 20W	1	1	1
723	43158207	Reactor, CH-68	1	1	1
724	4316V362	P.C. Board Assembly, Passive, MCC-1580	1	1	1

MMY-MAP0802FT8-E, MMY-MAP1002FT8-E, MMY-MAP1202FT8-E



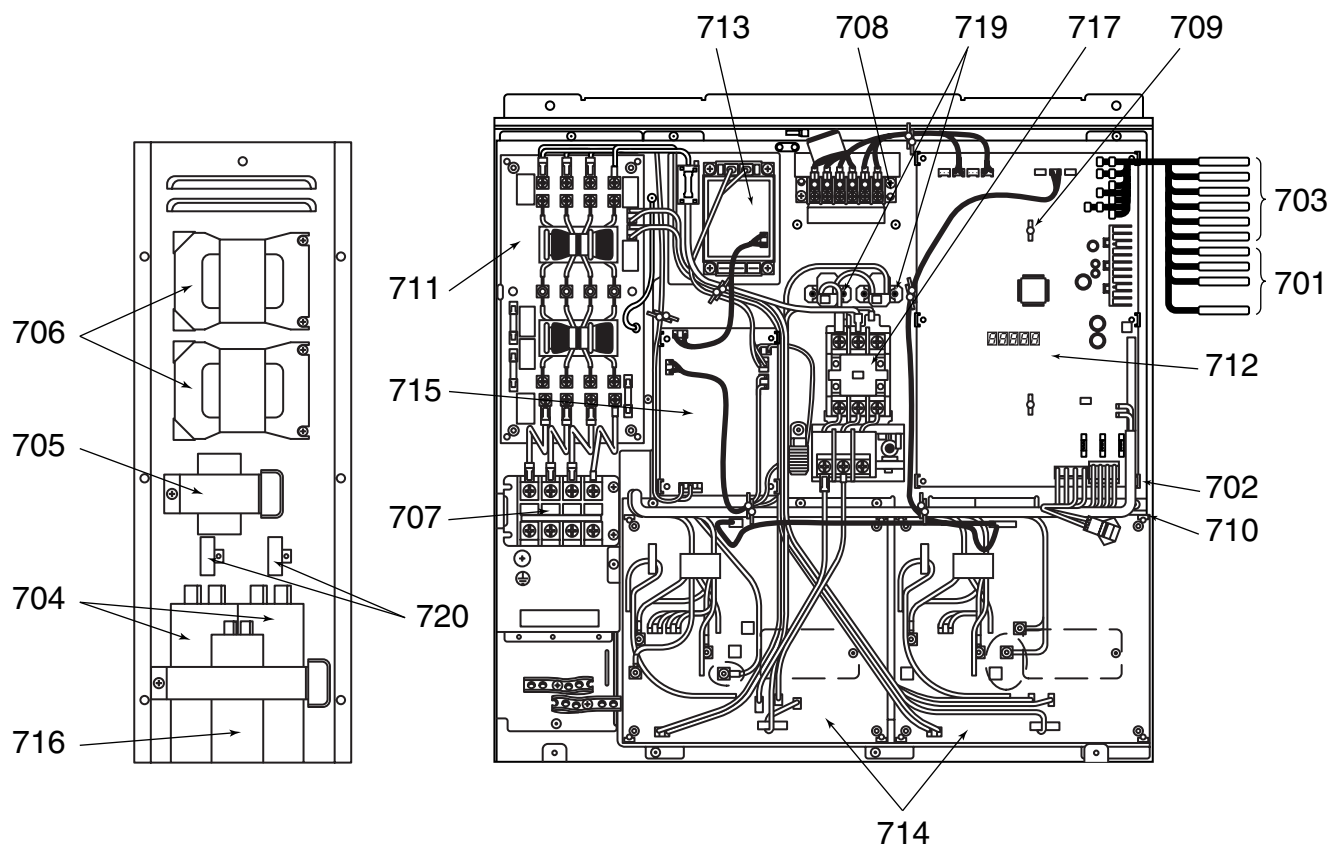
Location No.	Part No.	Description	Model Name MMY-MAP		
			1202FT8-E	1002FT8-E	0802FT8-E
4	43041781	Compressor, DA421A3FB-23M	2	2	2
10	43049683	Band, DIA 8, EPDM	2	2	2
11	43050407	Thermostat, Bimetal	2	2	2
12	43063317	Holder, Thermostat	2	2	2
21	43146676	Joint, Check	3	3	3
24	43146711	Valve, 2-Way, VPV-122DQ1	7	7	7
25	43146698	Valve, 4-Way, STF-0731G	1	1	1
27	43146712	Valve, 2-Way, VPV-303DQ1	3	3	3
28	43146730	Valve, 2-Way, VPV-603DQ2	1	1	1
30	43146709	Valve, PMV, HAM-BD24TF-1	3	3	3
31	43146708	Coil, PMV, HAM-MD12TF-3	3	3	3
32	43146731	Valve, 2-Way, VPV-1204DQ50	1	1	1
37	4314Q054	Strainer, DIA 12.7, C1220T-H	3	3	3
42	43148220	Plug, Fusible, 73°C	1	1	1
43	43148202	Tank, Liquid	1	1	1
44	43148192	Separator	1	1	1
46	43148200	Accumulator, 20L	1	1	1
47	43149377	Sensor Assembly, Low Pressure, 150XA4-L1	1	1	1
48	43149378	Sensor Assembly, High Pressure, 150XA4-H3	1	1	1
49	43149317	Rubber, Supporter, Pipe, DIA 25.4	1	1	1
50	43149318	Rubber, Supporter, Pipe, DIA 19.0	5	5	5
52	43149320	Rubber, Supporter, Pipe, DIA 8.0	3	3	3
53	43149321	Rubber, Supporter, Pipe, DIA 6.4	2	2	2
54	43149323	Rubber, Supporter, Pipe, DIA 9.52–12.7	4	4	4
55	43149324	Rubber, Cushion, EPDM	6	6	6
56	43149325	Band, Fix, SUS304	6	6	6
59	43151283	Switch, Pressure, ACB-4UB32W	2	2	2
62	43197184	Bolt, Compressor, M6, SWCH 18A	6	6	6
65	43146660	Coil, Solenoid, AV 220 – 240V, 50Hz	12	12	12

MMY-MAP0802FT8-E, MMY-MAP1002FT8-E, MMY-MAP1202FT8-E



Location No.	Part No.	Description	Model Name MMY-MAP		
			1202FT8-E	1002FT8-E	0802FT8-E
1	43146721	Valve, Checked, BCV-603DY	1	1	1
4	43041781	Compressor, DA421A3FB-23M	2	2	2
5	43046442	Valve, Packed, 9.52 DIA	1	1	1
6	43146680	Valve, Packed, 12.7	1	1	1
8	43047527	Tube, Capillary, ID 2.0 x 2000L	1	1	1
17	43120219	Fan, Propeller, DIA 710, ASG	1	1	1
19	43146715	Valve, Checked, BCV-804DY	2	2	2
20	43146736	Valve, Checked, YCV3-22GME-1	3	3	3
21	43146676	Joint, Check	3	3	3
23	43146727	Valve, Gas, DIA 25	1	1	1
24	43146711	Valve, 2-Way, VPV-122DQ1	7	7	7
25	43146698	Valve, 4-Way, STF-0731G	1	1	1
26	43146699	Valve, Ball, B5/8F, Rohs	1	1	1
27	43146712	Valve, 2-Way, VPV-303DQ1	3	3	3
28	43146730	Valve, 2-Way, VPV-603DQ2	1	1	1
29	43146734	Valve, Check, ZGV-S55B-A	2	2	2
30	43146709	Valve, PMV, HAM-BD24TF-1	3	3	3
32	43146731	Valve, 2-Way, VPV-1204DQ50	1	1	1
34	4314Q052	Strainer, DIA 45, C1220T-H	1	1	1
35	4314Q053	Strainer, DIA 21, C1220T-H	1	1	1
37	4314Q054	Strainer, DIA 12.7, C1220T-H	3	3	3
38	4314Q055	Strainer, DIA 19.05, C1220T-H	1	1	1
39	4314Q056	Strainer, DIA 25.4, C1220T-H	2	2	2
40	4314Q057	Strainer, DIA 25.4, C1220T-H	1	1	1
41	4314Q058	Strainer, DIA 25.4	1	1	1
42	43148220	Plug, Fusible, 73°C	1	1	1
43	43148202	Tank, Liquid	1	1	1
44	43148192	Separator	1	1	1
45	43146737	Valve, Check, YCV5P-33GME-1	1	1	1
46	43148200	Accumulator, 20L	1	1	1
47	43149377	Sensor Assembly, Low Pressure, 150XA4-L1	1	1	1
48	43149378	Sensor Assembly, High Pressure, 150XA4-H3	1	1	1
57	4314G272	Condenser Assembly, Three Row	1	1	1
58	4314G273	Condenser Assembly, Three Row	1	1	1
59	43151283	Switch, Pressure, ACB-4UB32W	2	2	2
66	44246235	Tube, Capillary, Bypass, 0.8 DIA	1	1	1
67	44246236	Tube, Capillary, Bypass, 1.0 DIA	1	1	1
68	44246239	Tube, Capillary, Bypass, 1.2 DIA	1	1	1

MMY-MAP0802FT8-E, MMY-MAP1002FT8-E, MMY-MAP1202FT8-E



Location No.	Part No.	Description	Model Name MMY-MAP		
			1202FT8-E	1002FT8-E	0802FT8-E
701	43050382	Sensor, TC (F6)	5	5	5
702	43063248	Supporter Assembly	3	3	3
703	43150315	Sensor, TD (F6)	6	6	6
704	43155176	Capacitor, 400V DC, 1500 μ F	2	2	2
705	43158186	Transformer, TT-01-03	1	1	1
706	43158183	Reactor, CH-44	2	2	2
707	43160559	Terminal Block, 4P, AC 600V, 30A	1	1	1
708	43160548	Terminal, 6P, AC 30V, 1A	1	1	1
709	43163017	Supporter	2	2	2
710	43163048	Supporter Assembly	1	1	1
711	4316V366	P.C. Board Assembly, Noise-Filter, MCC-1366	1	1	1
712	4316V263	P.C. Board Assembly, Interface, MCC-1429	1	1	1
713	4316V237	P.C. Board Assembly, Fan-IPDU, IPDU-2D16DA1	1	1	1
714	4316V245	P.C. Board Assembly, A3-IPDU, MCC-1502	2	2	2
715	4316V360	P.C. Board Assembly, Power, MCC-1439	1	1	1
716	43155194	Capacitor, 400V DC, 1000 μ F	1	1	1
717	43152506	Electro Magnetic Switch, FW-2S	1	1	1
719	43153006	PTC-Thermistor, ZPROYCE101A500	2	2	2
720	43155197	Resistor, 56k Ω , 15W	2	2	2

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