

Hoshizaki America, Inc.

Modular Crescent Cuber

Models

KM-50IMAH

KM-50IMWH

KM-50IMRH



"A Superior Degree
of Reliability"

www.hoshizaki.com

PARTS LIST



Number: 71254
Issued: 5-26-2006

CONTENTS

Auxiliary Codes.....	3
Note About Ordering Parts	3
Material Abbreviations	4
A. Ice Cuber Assembly	5
KM-501MAH	5
KM-501MWH.....	7
KM-501MRH	9
B. Refrigeration Circuit.....	11
KM-501MAH.....	11
KM-501MWH.....	15
KM-501MRH	19
C. Water Circuit.....	23
KM-501MAH, KM-501MWH, KM-501MRH	23
D. Control Box Assembly	26
KM-501MAH, KM-501MWH, KM-501MRH	26
E. Label Location	28
KM-501MAH.....	28
KM-501MWH.....	30
KM-501MRH	32
F. Pump Motor Assembly	34
KM-501MAH, KM-501MWH, KM-501MRH	34
G. Control Assembly	35
KM-501MAH, KM-501MWH, KM-501MRH	35
H. Accessories.....	36
KM-501MAH, KM-501MWH, KM-501MRH	36

Auxiliary Codes

KM-501MAH R-1 January 2006

KM-501MWH R-1 January 2006

KM-501MRH R-1 January 2006

Note About Ordering Parts

Most assemblies cannot be ordered as complete units; parts in the assemblies generally must be ordered separately.

Material Abbreviations

ALUMINUM

AL = Aluminum

COPPER

CU = Copper

PLASTIC

ABS = Acrylonitrile -butadiene - styrene
AC = Polyacetal
EVA = Ethylene vinyl acetate
PA = Polyamide = Nylon
PC = Polycarbonate
PE = Polyethylene
PES = Polyester
PETP = Polyethylene terephthalate = Tetlon
PP = Polypropylene
PS = Polystyrene
PTFE = Polytetrafluoroethylene = Teflon
PUR = Polyurethane
PVC = Polyvinyl chloride

RUBBER

VN = Vinyl Nitrile
EPDM = EP rubber
NBR = Nitrile butadiene rubber
NR = Natural rubber
NP = Neoprene
SI.R = Silicone rubber
SY.R = Synthetic rubber
EPH = Epichlorohydrin

STEEL

GS = Galvanized steel
SS = Stainless steel
PS = Plated steel
PAS = Primed steel

AUXILIARY CODE

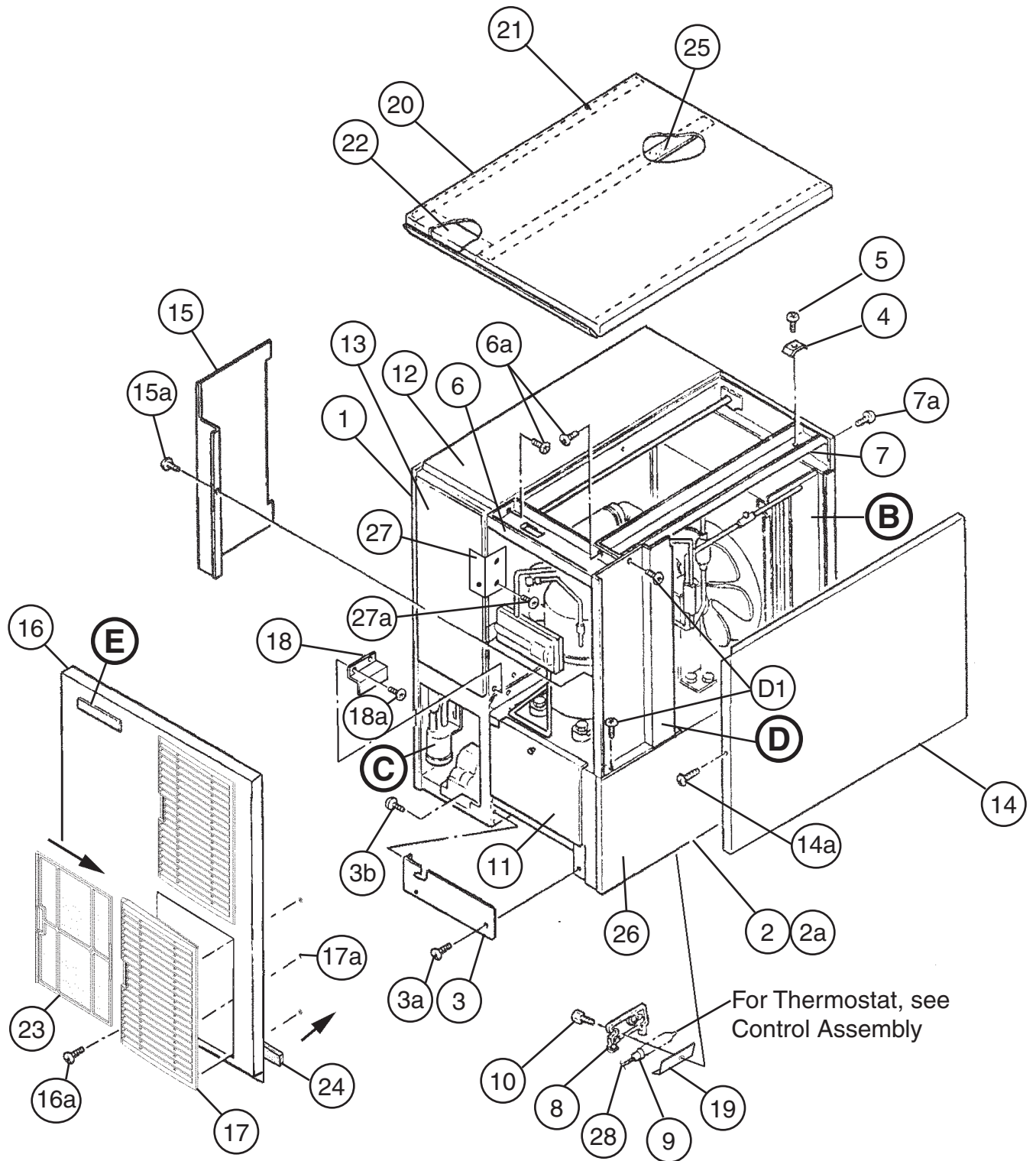
K-0

└─ Designates the year. "K" indicates the year 2000. Years progress or regress in alphabetical order.
 "J" is 1999, "L" is 2001, "M" is 2002, and so on. The letters "I" and "O" were skipped.
└─ Designates significant part changes within the same year for this model. Base is 0 and this number advances for each change.

Example: P-1

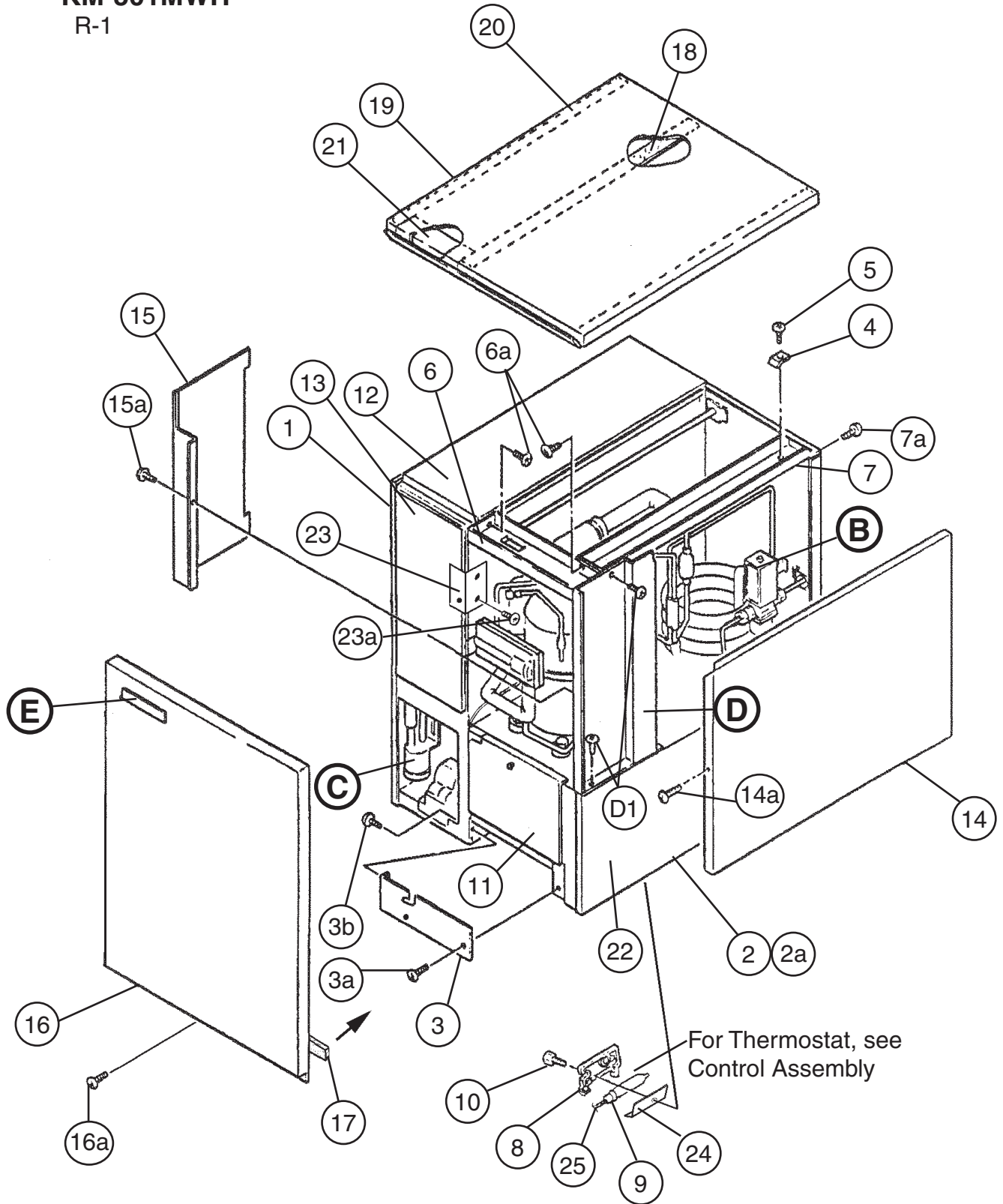
└─ "P" indicates 2004.
 └─ "1" indicates the first significant part change for 2004.

A. Ice Cuber Assembly
KM-501MAH
 R-1



Title: A. Ice Cuber Assembly Model: KM-501MAH													
Index No.	Description	Material or Model Number	Part Number	Required Number									
				R-1									
B	Refrigeration Circuit	-	1A0420A06	1									
C	Water Circuit	HS-1204	1A0283A05	1									
D	Control Box Assembly	-	2A2538A01	1									
D1	T2 Screw	4x8	7P31-0408	4									
E	Label Location	-	3A3996A01	1									
1	Evap. Case	HS-1010	1A0579G01	1									
2	Base	-	2A2146G06	1									
2a	FT Screw	4x8	7F31-0408	7									
3	Frame	-	3A2503G01	1									
3a	Truss Head Screw	4x8, SS	7C32-0408	1									
3b	Truss Head Screw	4x25, SS	7C32-0425	2									
4	Square Washer	BRASS	433537-02	1									
5	Screw - Grounding	BRASS	433304-02	1									
6	Top Frame	GS	332443-01	1									
6a	T2 Screw	4x8	7P31-0408	4									
7	Side Frame	GS	3A2782-01	1									
7a	T2 Screw	4x8	7P31-0408	2									
8	Bulb Holder	-	328919-01	1									
9	Spacer	-	443545-01	2									
10	Thumbscrew	SS, ABS	415949G10	2									
11	Base Cover	SS	321525G01	1									
12	Top Insulation	PP	215730G01	1									
13	Front Insulation	PP	215731G01	1									
14	Side Panel (R)	SS	2A2117G01	1									
14a	T2 Screw	4x8, SS	7P32-0408	1									
15	Control Box Cover	GS	3A2476-01	1									
15a	T2 Screw	4x8	7P31-0408	1									
16	Front Panel	SS	2A2244G02	1									
16a	Truss Head Screw	SS, 4x8	7C32-0408	1									
17	Louver (A)	ABS	1A0547-01	2									
17a	Push Retainer	-	4A2414-01	6									
18	Barrier	GS	4A0362-01	1									
18a	T2 Screw	4x8	7P31-0408	2									
19	Deflector	-	4A1951-01	1									
20	Top Panel	SS (3A1890A01)	2A2133-01	1									
21	Gasket	PVC (3A1890A01)	427014-04	2									
22	Insulation	PE FOAM (3A1890A01)	438012-01	1									
23	Air Filter (A)	ABS	2A2062G01	2									
24	Gasket	L=554	4A0808L02	1									
25	Gasket (A)	(3A1890A01)	324859-03	1									
26	Side Panel (R) – Base	SS	2A2147-01	1									
27	Barrier - Insulation	GS	4A1167-01	1									
27a	T2 Screw	4x8	7P31-0408	2									
28	Silicone Hose	L = 390	7730I3812	1									

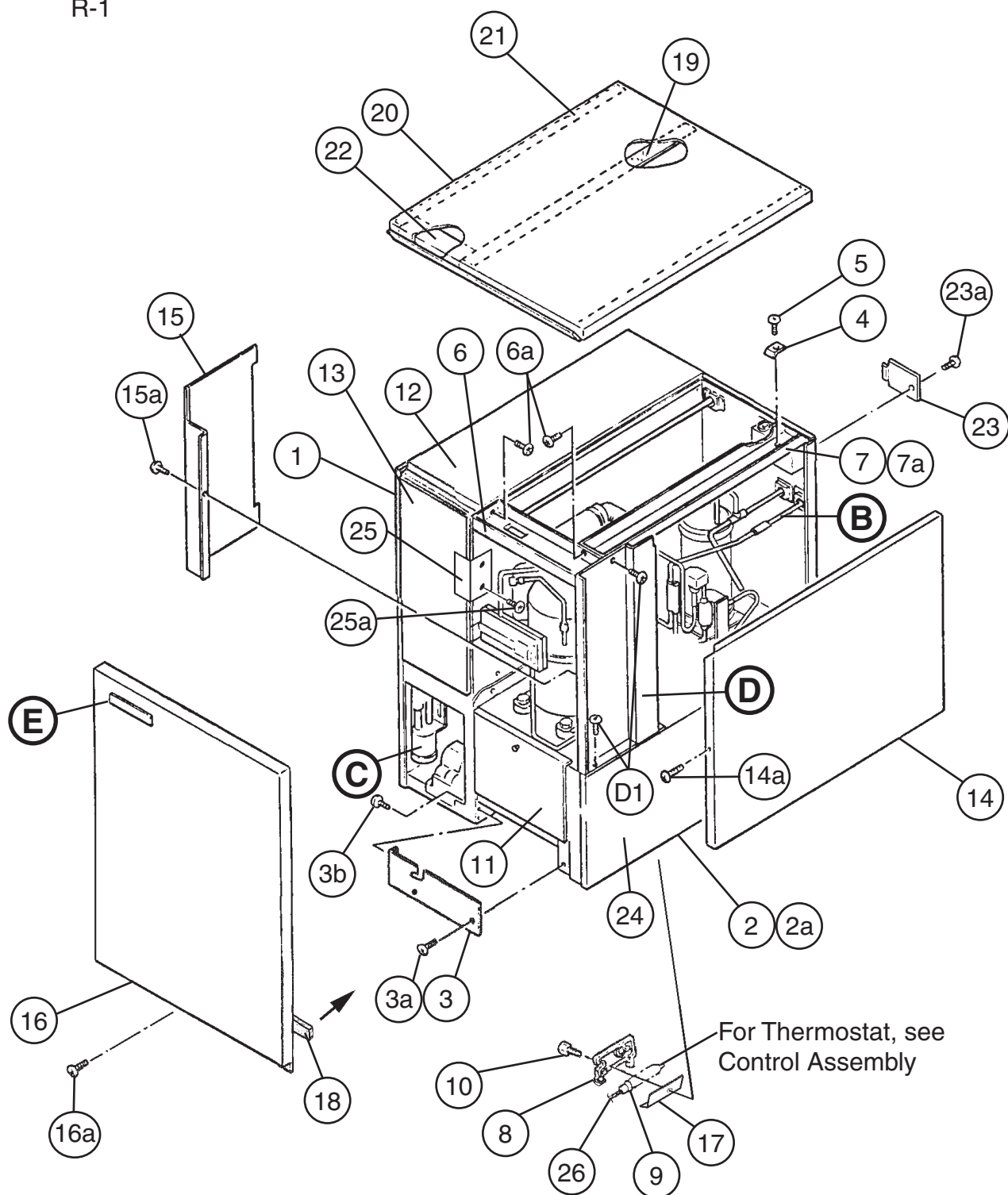
A. Ice Cuber Assembly
KM-501MWH
 R-1



Title: **A. Ice Cuber Assembly** Model: **KM-501MWH**

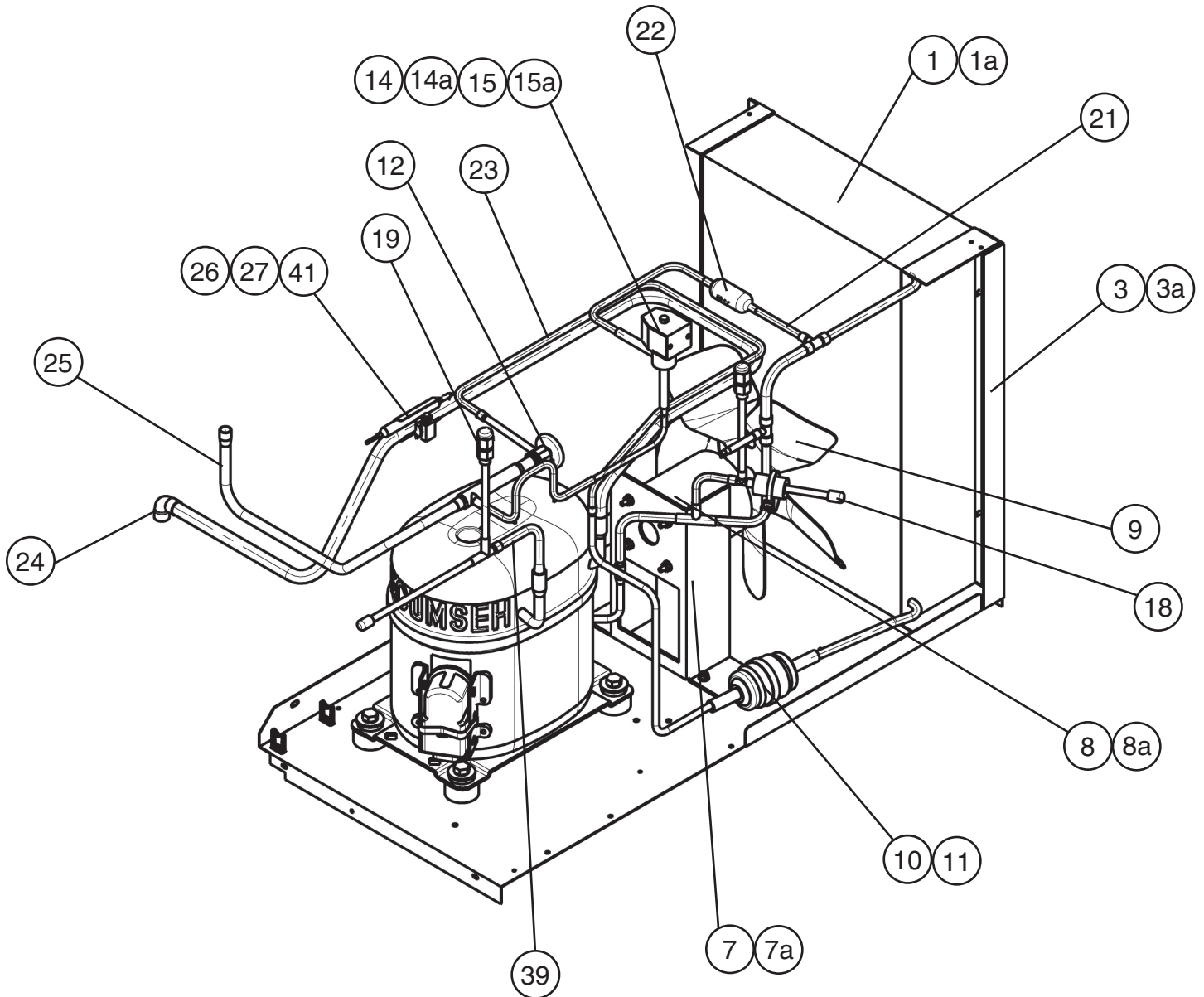
Index No.	Description	Material or Model Number	Part Number	Required Number							
				R-1							
B	Refrigeration Circuit		1A0680A03	1							
C	Water Circuit	HS-1204	1A0283A05	1							
D	Control Box Assembly	-	2A2538A02	1							
D1	T2 Screw	4x8	7P31-0408	4							
E	Label Location	-	3A3997A01	1							
1	Evap. Case	HS-1010	1A0579G01	1							
2	Base	-	2A2146G09	1							
2a	FT Screw	4x8	7F31-0408	7							
3	Frame	-	3A2503G01	1							
3a	Truss Head Screw	4x8, SS	7C32-0408	1							
3b	Truss Head Screw	4x25, SS	7C32-0425	2							
4	Square Washer	BRASS	433537-02	1							
5	Screw - Grounding	BRASS	433304-02	1							
6	Top Frame	GS	332443-01	1							
6a	T2 Screw	4x8	7P31-0408	4							
7	Side Frame	GS	3A2782-01	1							
7a	T2 Screw	4x8	7P31-0408	2							
8	Bulb Holder	-	328919-01	1							
9	Spacer	-	443545-01	2							
10	Thumbscrew	SS, ABS	415949G10	2							
11	Base Cover	SS	321525G01	1							
12	Top Insulation	PP	215730G01	1							
13	Front Insulation	PP	215731G01	1							
14	Side Panel (R)	SS	2A2117G01	1							
14a	T2 Screw	4x8, SS	7P32-0408	1							
15	Control Box Cover	GS	3A2476-01	1							
15a	T2 Screw	4x8	7P31-0408	1							
16	Front Panel	SS	2A2150G01	1							
16a	Truss Head Screw	33, 4x8	7C32-0408	1							
17	Gasket	L=554	4A0808L02	1							
18	Gasket (A)	(3A1890A01)	324859-03	1							
19	Top Panel	SS, (3A1890A01)	2A2133-01	1							
20	Gasket	PVC, (3A1890A01)	427014-04	2							
21	Insulation	PE FOAM, (3A1890A01)	438012-01	1							
22	Side Panel (R) – Base	SS	2A2147-01	1							
23	Barrier – Insulation	GS	4A1167-01	1							
23a	T2 Screw	4x8	7P31-0408	2							
24	Deflector	-	4A1951-01	1							
25	Silicone Hose	L = 390	773013812	1							

A. Ice Cuber Assembly
KM-501MRH
 R-1

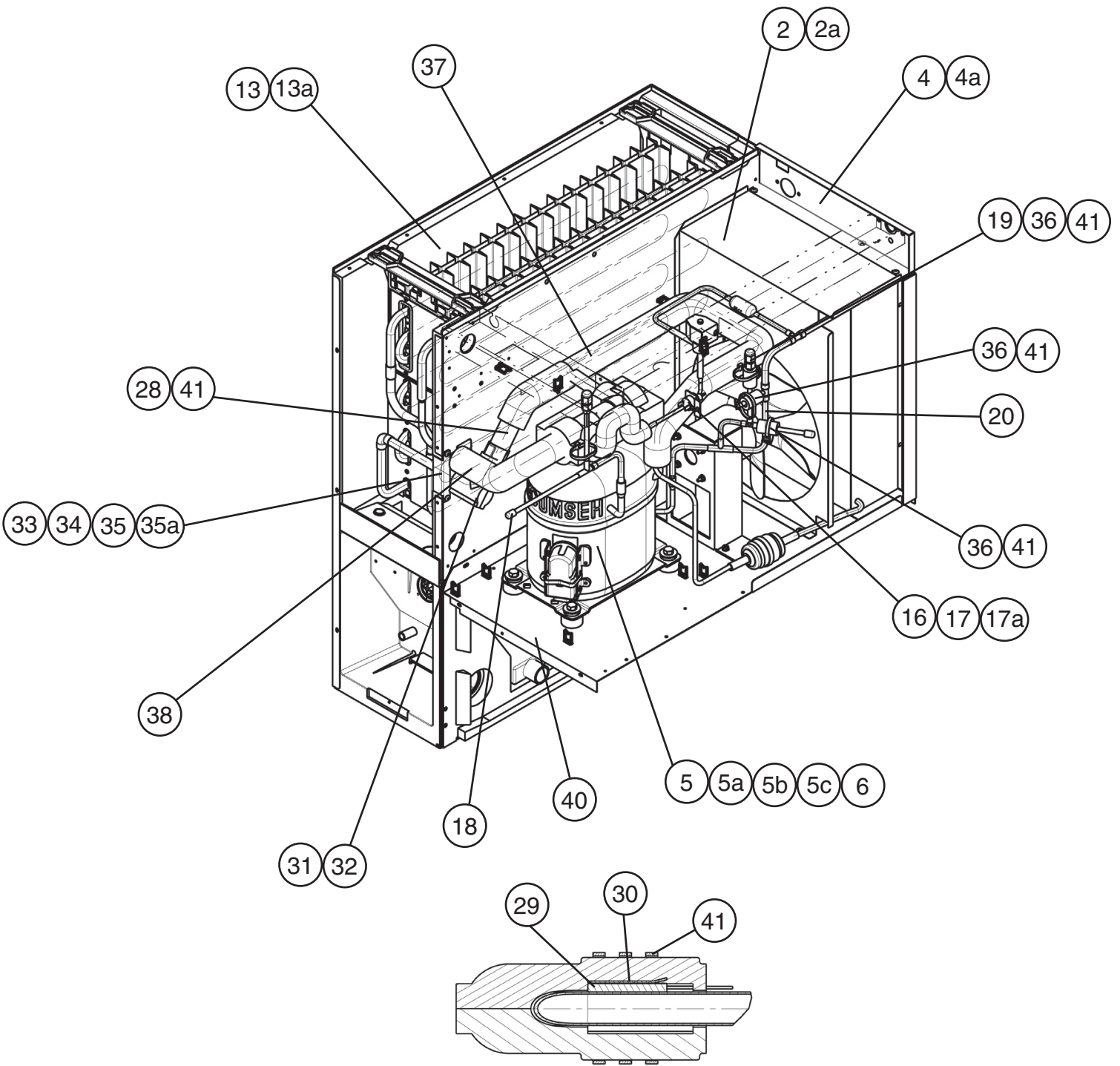


Title: A. Ice Cuber Assembly Model: KM-501MRH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				R-1								
B	Refrigeration Circuit	-	1A0422A03	1								
C	Water Circuit	HS-1204	1A0283A05	1								
D	Control Box Assembly	-	2A2538A02	1								
D1	T2 Screw	4x8	7P31-0408	4								
E	Label Location	-	3A3998A01	1								
1	Evap. Case	HS-1010	1A0579G01	1								
2	Base	-	2A2146G07	1								
2a	FT Screw	4x8	7F31-0408	7								
3	Frame	-	3A2503G01	1								
3a	Truss Head Screw	4x8, SS	7C32-0408	1								
3b	Truss Head Screw	4x25, SS	7C32-0425	2								
4	Square Washer	BRASS	433537-02	1								
5	Screw - Grounding	BRASS	433304-02	1								
6	Top Frame	GS	332443-01	1								
6a	T2 Screw	4x8	7P31-0408	4								
7	Side Frame	GS	3A2782-01	1								
7a	T2 Screw	4x8	7P31-0408	2								
8	Bulb Holder	-	328919-01	1								
9	Spacer	-	443545-01	2								
10	Thumbscrew	SS, ABS	415949G10	2								
11	Base Cover	SS	321525G01	1								
12	Top Insulation	PP	215730G01	1								
13	Front Insulation	PP	215731G01	1								
14	Side Panel (R)	SS	2A2117G01	1								
14a	T2 Screw	4x8, SS	7P32-0408	1								
15	Control Box Cover	-	3A2476-01	1								
15a	T2 Screw	4x8	7P31-0408	1								
16	Front Panel	SS	2A2150G01	1								
16a	Truss Head Screw	SS, 4x8	7C32-0408	1								
17	Deflector	-	4A1951-01	1								
18	Gasket	L=554	4A0808L02	1								
19	Gasket (A)	(3A1890A01)	324859-03	1								
20	Top Panel	SS, (3A1890A01)	2A2133-01	1								
21	Gasket	PVC, (3A1890A01)	427014-04	2								
22	Insulation	PE FOAM, (3A1890A01)	438012-01	1								
23	Junction Box Cover	GS	433410-01	1								
23a	T2 Screw	4x8	7P31-0408	1								
24	Side Panel (R) – Base	SS	2A2147-01	1								
25	Barrier – Insulation	GS	4A1167-01	1								
25a	T2 Screw	4x8	7P31-0408	2								
26	Silicone Hose	L = 390	773013812	1								

B. Refrigeration Circuit
1/2
KM-501MAH
 R-1



B. Refrigeration Circuit
2/2
KM-501MAH
 R-1

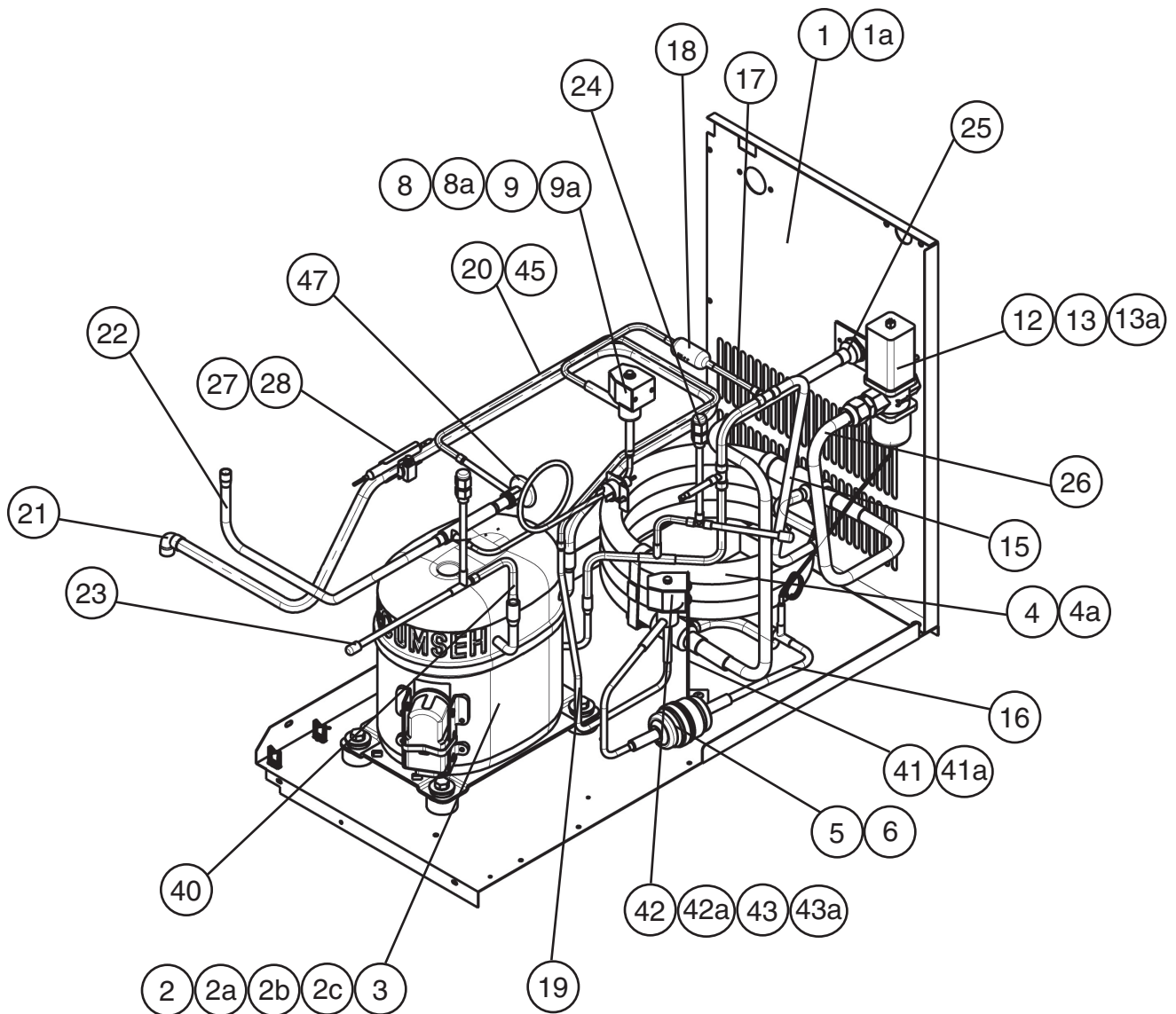


Title: **B. Refrigeration Circuit** Model: **KM-501MAH**

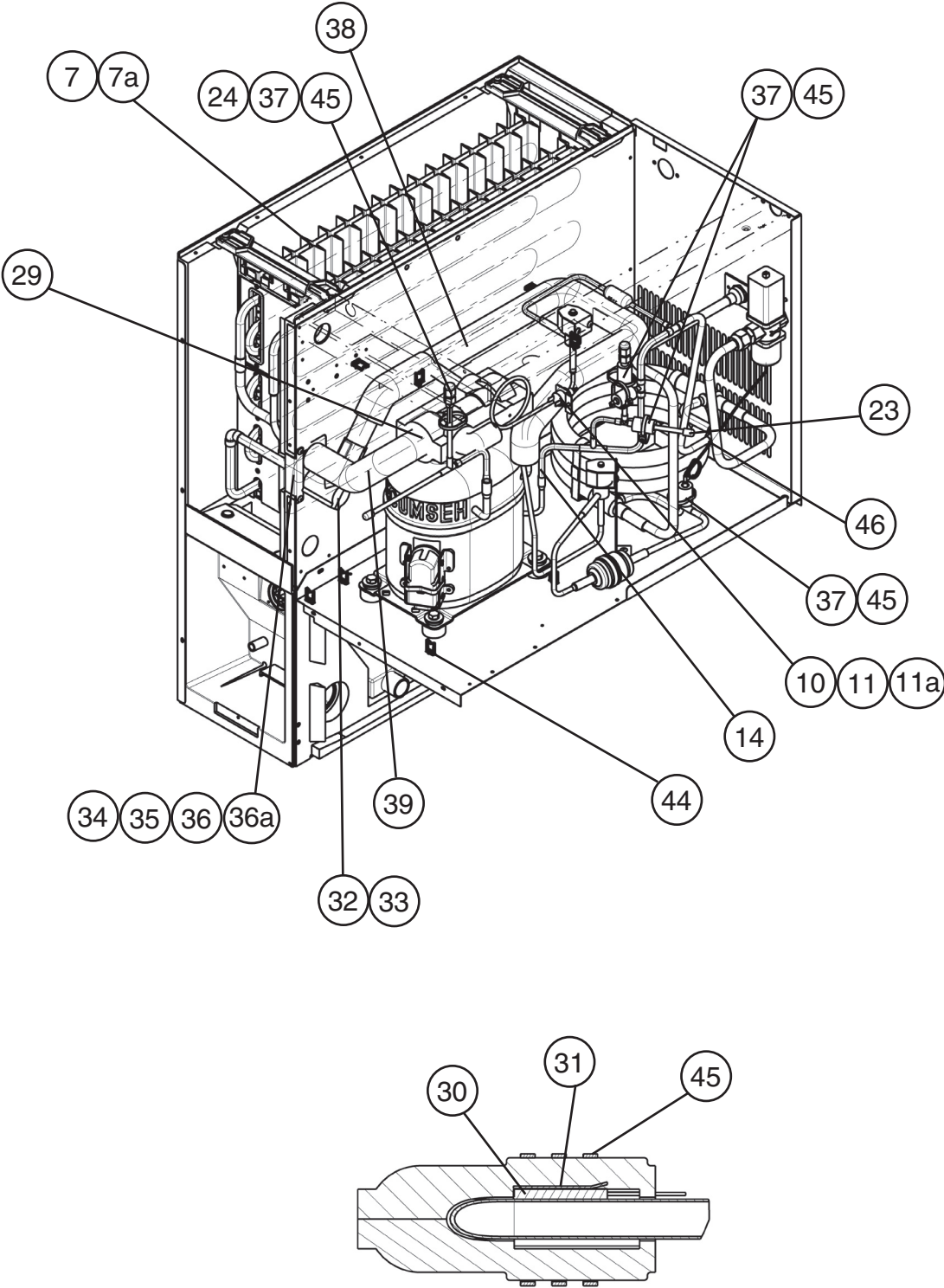
Index No.	Description	Material or Model Number	Part Number	Required Number									
				R-1									
1	Condenser	-	220491-01	1									
1a	T2 Screw	4x8	7P31-0408	2									
2	Shroud	GS	2A0606-01	1									
2a	T2 Screw	4x8	7P31-0408	2									
3	Barrier	GS	433693-04	1									
3a	T2 Screw	4x8	7P31-0408	2									
4	Rear Panel	GS	3A0562-01	1									
4a	T2 Screw	4x8	7P31-0408	3									
5	Compressor	AKA9455ZxA	4A1820-01	1									
5a	Bolt	8x45	437889-01	4									
5b	Spacer	027-0072-02	434404-01	4									
5c	Grommet	527-0039-04	434403-01	4									
6	Motor Protector	8300MRAK30	4A1875-01	1									
7	Fan Motor Bracket	GS	327179-01	1									
7a	Hex Bolt Assembly (LF)	5x12, SS	7B0130512	4									
8	Fan Motor	U90B1, 7190-1031	4A3158-01	1									
8a	Self-locking Nut	NO. 8-32	7N2110832	4									
9	Fan Blade	AD10CW32	444898-01	1									
10	Drier	C-03E117	4A2666-01	1									
11	Nylon Tie	-	8911-0301	1									
12	Expansion Valve	HFE-10NHD-2	4A1414-01	1									
13	Evaporator	-	106492G01	1									
13a	T2 Screw	4x16, SS	7P32-0416	4									
14	Valve Body - Hot Gas	70	4A3978-01	1									
14a	Bolt	4x6	4A3277F01	1									
15	Coil - Valve		4A3277-01	1									
15a	Truss Head Screw	4x8	7C31-0408	2									
16	Pressure Switch	ACB-1UB09	433441-07	1									
17	Pressure Switch Bracket	GS	434938-01	1									
17a	T2 Screw	4x8	7P31-0408	1									
18	Endcap	-	4A2666F01	2									
19	Access Valve	-	457729-01	2									
20	Copper Tube (A) - High Side	COPPER	2A3851G01	1									
21	Copper Tube (D) - High Side	COPPER	3A4006G01	1									
22	Strainer	(included in 3A4006G01)	441569-01	1									
23	Heat Exchanger	-	2A3447G01	1									
24	Elbow	COPPER	417395-03	1									
25	Copper Tube - Hot Gas	COPPER	2A3435G01	1									
26	Holder / Exp. Valve – 3/8	SS	3A0107-01	1									
27	Clamp	SS	443461-02	1									
28	Expansion Valve Cover	PE FOAM	3A0944-01	1									

Title: B. Refrigeration Circuit Model: KM-501MAH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				R-1								
29	Thermistor	-	429006-03	1								
30	Holder - Thermistor	COPPER	427430-01	1								
31	Insulation - Thermistor (A)	PE FOAM	439368-01	1								
32	Insulation - Thermistor (B)	PE FOAM	439368-02	1								
33	Rubber Insulation (A)	EPDM	3A1044-01	1								
34	Rubber Insulation (B)	EPDM	3A1045-01	1								
35	Insulation Holder	-	4A1550-01	1								
35a	T2 Screw	4x8, SS	7P32-0408	2								
36	Insulation Tube	L=40	7762-1020	3								
37	Insulation Tube	L=75	7762-1020	1								
38	Insulation Tube	L=220	7762-2040	1								
39	Copper Tube Access Valve	COPPER	3A3999G01	1								
40	Wire Saddle	VWS4238-C	4A0338-02	10								
41	Cable Tie	CV-200 (PLT-2M)	8911-0200	13								

B. Refrigeration Circuit
 1/2
KM-501MWH
 R-1



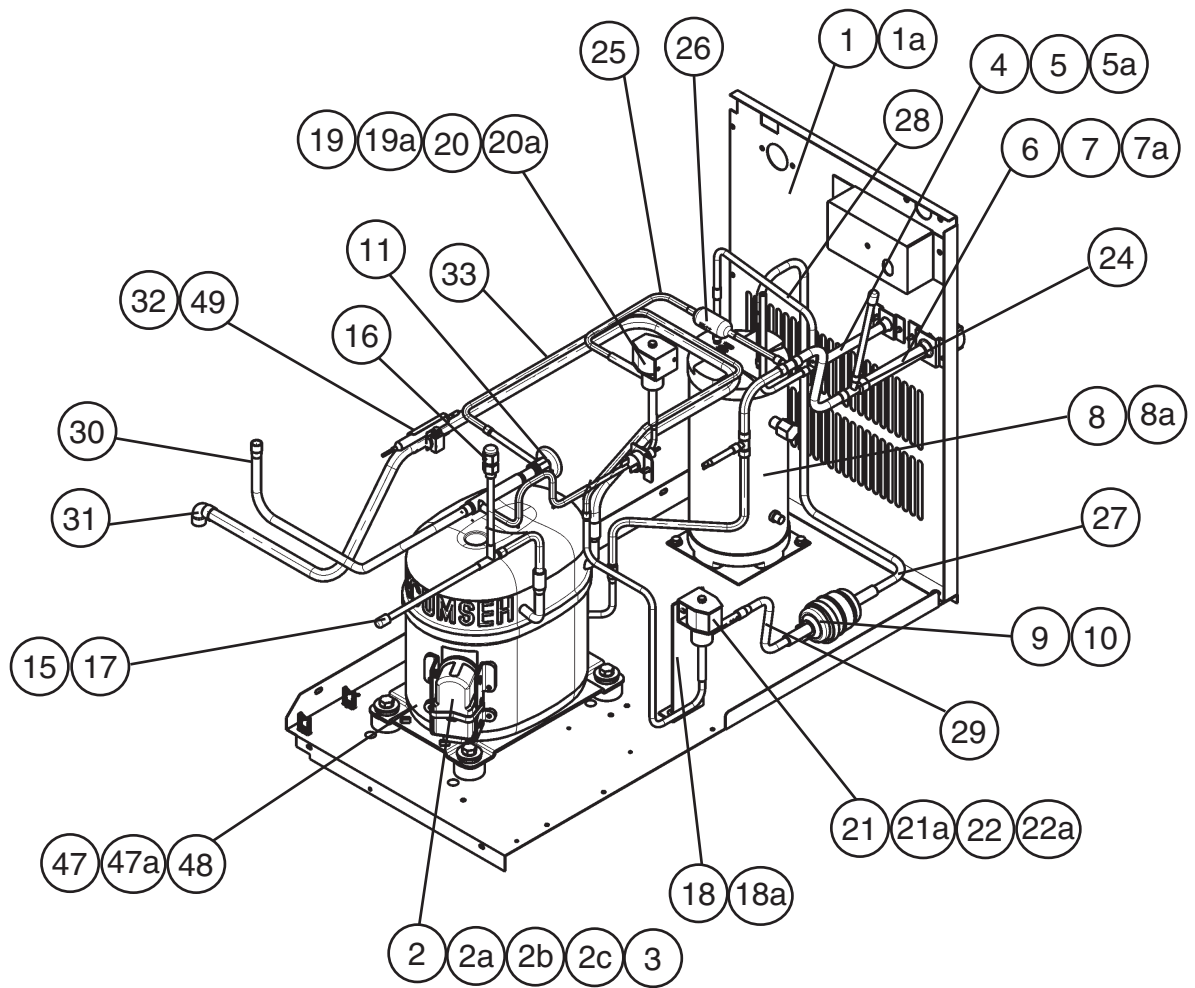
B. Refrigeration Circuit
2/2
KM-501MWH
R-1



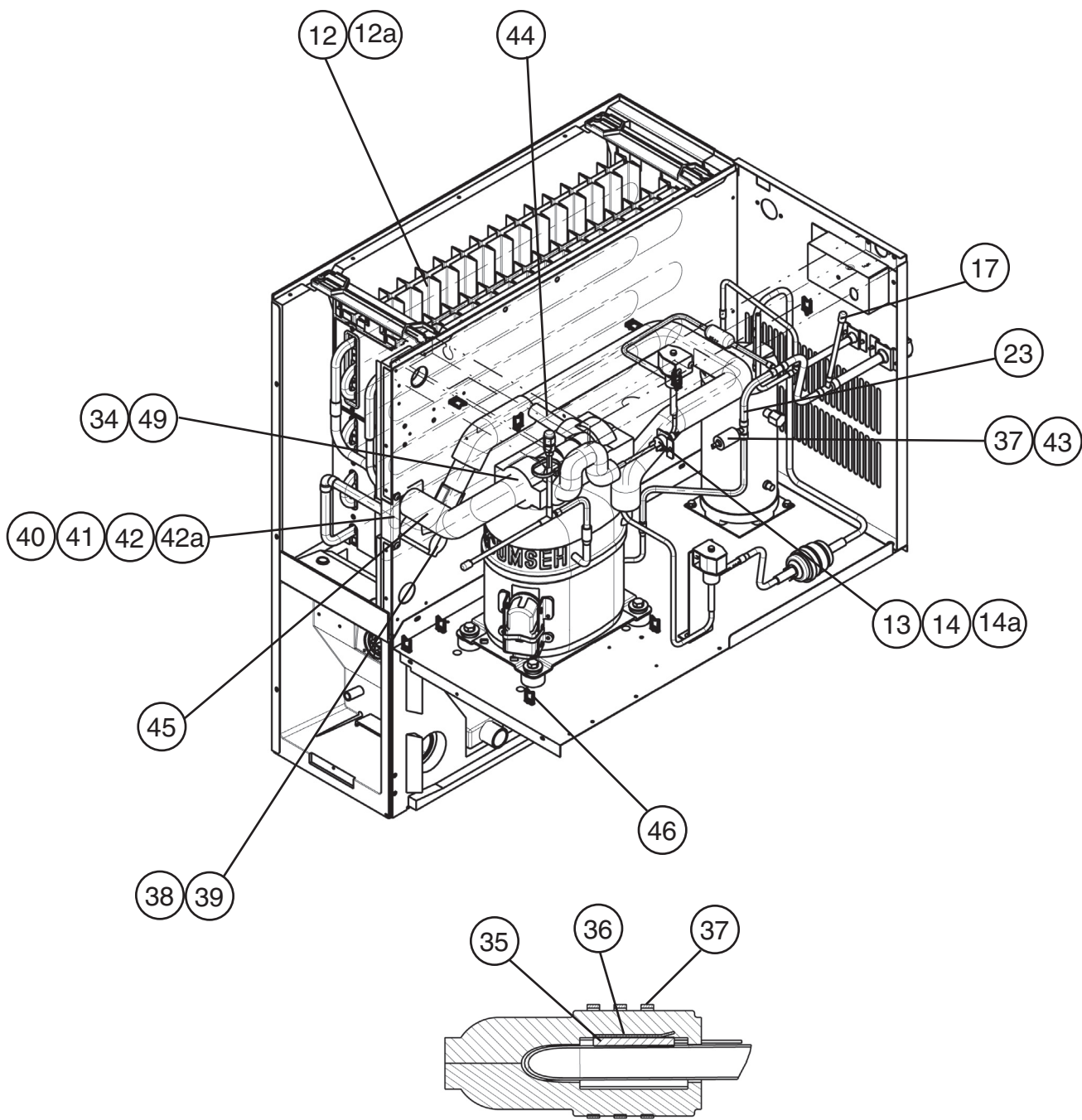
Title: B. Refrigeration Circuit Model: KM-501MWH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				R-1								
1	Rear Panel	GS	2A1426-01	1								
1a	T2 Screw	4x8	7P31-0408	5								
2	Compressor	AKA9455ZXA	4A1820-01	1								
2a	Bolt	8x45	437889-01	4								
2b	Spacer	027-0072-02	434404-01	4								
2c	Grommet	527-0039-04	434403-01	4								
3	Motor Protector	8300MRAK30	4A1875-01	1								
4	Condenser - Water-Cooled	HS-0160	2A2359G01	1								
4a	Hex Bolt Assembly (LF)	5x10, SS	7B0130510	2								
5	Drier	C-03E 117	4A2666-01	1								
6	Nylon Tie	NYLON	8911-0301	1								
7	Evaporator	-	106492G01	1								
7a	T2 Screw	4x16, SS	7P32-0416	4								
8	Valve Body - Hot Gas	70	4A3978-01	1								
8a	Bolt	-	4A3277F01	1								
9	Coil - Valve	ABS-25-1-HD-2	4A3277-01	1								
9a	Truss Head Screw	4x8	7C31-0408	2								
10	Pressure Switch	ACB-2UB04	433441-05	1								
11	Pressure Switch Bracket	GS	434938-01	1								
11a	T2 Screw	4x8	7P31-0408	1								
12	Male Connector	-	4A1087-01	1								
13	Water Regulator	V46DA-5	4A0911-06	1								
13a	Truss Head Screw	4x6	7C31-0406	2								
14	Copper Tube (A) - High Side	COPPER	2A3851G01	1								
15	Copper Tube (B) - High Side	COPPER	3A2219-01	1								
16	Copper Tube (C) - High Side	COPPER	4A2682G01	1								
17	Copper Tube (D) - High Side	COPPER	3A4006G01	1								
18	Strainer	(Included in 3A4006G01)	441569-01									
19	Copper Tube (E)-High Side	COPPER	3A3541-01	1								
20	Heat Exchanger	-	2A3447G02	1								
21	Elbow	COPPER	417395-03	1								
22	Copper Tube - Hot Gas	COPPER	2A3430G01	1								
23	Endcap		4A2666F01	2								
24	Access Valve	TCJ-2F20NH DU-1	457729-01	2								
25	Copper Tube (A) - Water Circuit	COPPER	3A1251G01	1								
26	Copper Tube (B) - Water Circuit	COPPER	4A2681G01	1								
27	Holder/Expansion Valve - 3/8	-	3A0107-01	1								
28	Clamp	SS	443461-02	1								
29	Expansion Valve Cover	PE FOAM	3A0944-01	1								
30	Thermistor	-	429006-03	1								
31	Holder - Thermistor	-	427430-01	1								
32	Insulation - Thermistor (A)	PE FOAM	439368-01	1								
33	Insulation - Thermistor (B)	PE FOAM	439368-02	1								

Title: B. Refrigeration Circuit Model: KM-501MWH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				R-1								
34	Rubber Insulation (A)	EPDM	3A1044-01	1								
35	Rubber Insulation (B)	EPDM	3A1045-01	1								
36	Insulation Holder	-	4A1550-01	1								
36a	T2 Screw	4x8, SS	7P32-0408	2								
37	Insulation Tube	L=40	7762-1020	4								
38	Insulation Tube	L=75	7762-1020	1								
39	Insulation Tube	L=220	7762-2040	1								
40	Copper Tube – Access Valve	-	3A3999G01	1								
41	Valve - Bracket	-	436893-01	1								
41a	T2 Screw	4x8	7P31-0408	2								
42	Valve Body - Hot Gas	-	4A3276-01	1								
42a	Bolt	-	4A3277F01	1								
43	Coil - Valve	-	4A3277-01	1								
43a	Truss Head Screw	4x6	7C32-0406	2								
44	Wire Saddle	-	4A0338-02	9								
45	Cable Tie	CV-200	8911-0200	15								
46	Elbow	COPPER	417395-03	1								
47	Expansion Valve	HFE-10NHD-2	4A1414-01	1								

B. Refrigeration Circuit
(1/2)
KM-501MRH
 R-1



B. Refrigeration Circuit
(2/2)
KM-501MRH
R-1



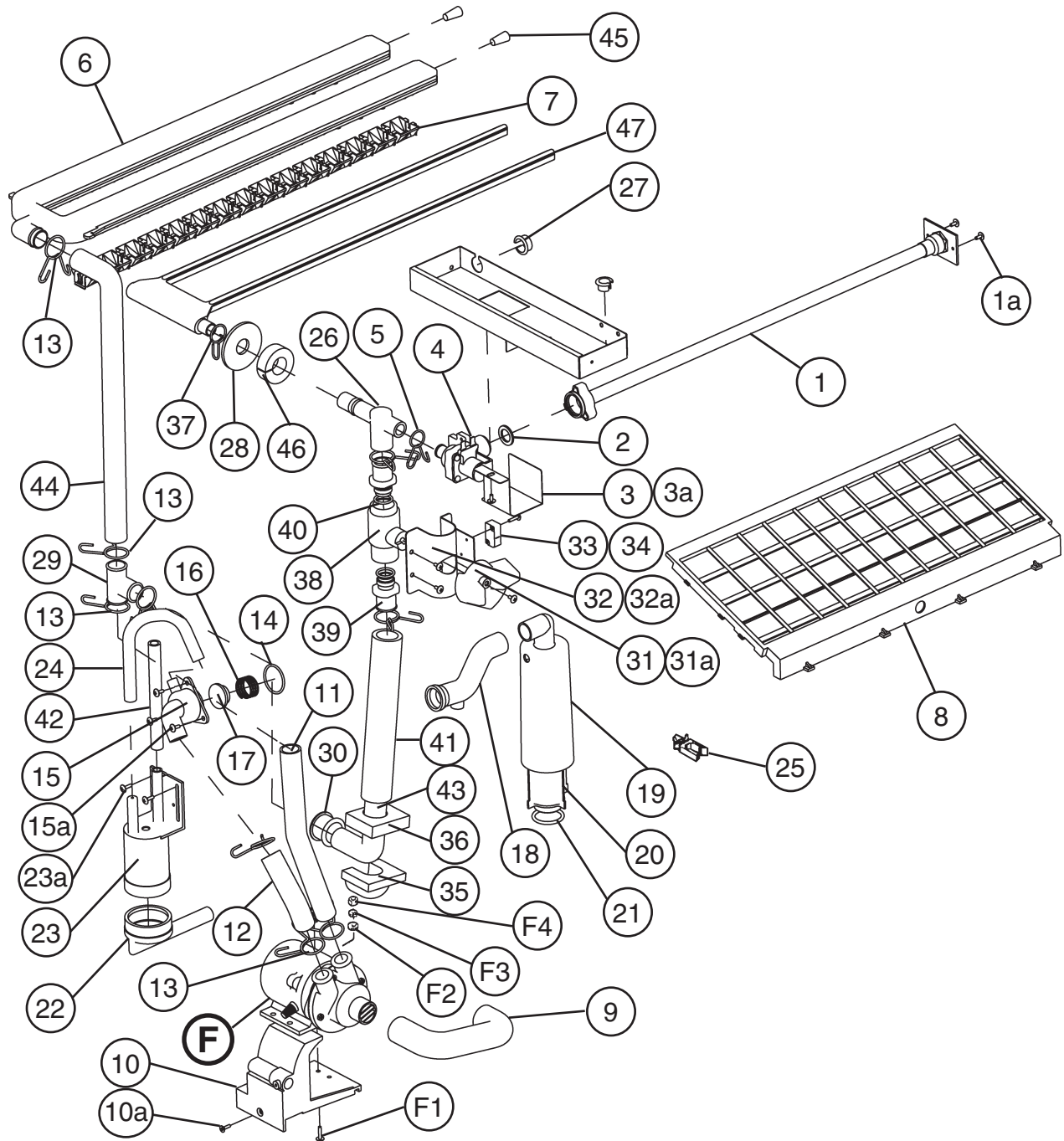
Title: **B. Refrigeration Circuit** Model: **KM-501MRH**

Index No.	Description	Material or Model Number	Part Number	Required Number									
				R-1									
1	Rear Panel	GS	220468G03	1									
1a	T2 Screw	4x8	7P31-0408	5									
2	Compressor	AKA9455ZXA	4A1820-01	1									
2a	Bolt	8x45	437889-01	4									
2b	Spacer	027-0072-02	434404-01	4									
2c	Grommet	527-0039-04	434403-01	4									
3	Motor Protector	8300MRAK30	4A1875-01	1									
4	Coupling	-	4A3972G01	1									
5	Tube Holder-S	-	438246-01	1									
5a	T2 Screw	4x8	7P31-0408	2									
6	Coupling	-	434136G01	1									
7	Tube Holder-L	-	438245-01	1									
7a	T2 Screw	4x8	7P31-0408	2									
8	Receiver Tank	RR KN WP450	437596-01	1									
8a	Hex Bolt Assembly (LF)	5x10, SS	7B0130510	3									
9	Drier	-	4A2666-01	1									
10	Nylon Tie	-	8911-0301	1									
11	Expansion Valve	HFE-10NHD-2	4A1414-01	1									
12	Evaporator	-	106492G01	1									
12a	T2 Screw	4x16, SS	7P32-0416	4									
13	Pressure Switch	ACB-1UB09	433441-07	1									
14	Pressure Switch Bracket	GS	434938-01	1									
14a	T2 Screw	4x8	7P31-0408	1									
15	Copper Tube Access Valve	COPPER	3A3999G01	1									
16	Access Valve	-	457729-01	1									
17	Endcap	-	4A2666F01	2									
18	Valve Bracket	-	436893-01	1									
18a	T2 Screw	4x8	7P31-0408	2									
19	Valve Body - Hot Gas	70	4A3978-01	1									
19a	Bolt	4x6	4A3277F01	1									
20	Coil - Valve	ABS-25-1-HD-2	4A3277-01	1									
20a	Truss Head Screw	4x8	7C31-0408	2									
21	Valve Body - Liquid Line	-	4A3276-01	1									
21a	Bolt	4x6	4A3277F01	1									
22	Coil - Valve	ABS-25-1-HD-2	4A3277-01	1									
22a	Truss Head Screw	4x8	7C31-0408	2									
23	Copper Tube (A) - High Side	COPPER	2A3909G01	1									
24	Copper Tube (B) - High Side	COPPER	3A4095G01	1									
25	Copper Tube (D) - High Side	COPPER	3A4006G01	1									
26	Strainer	(Included in 3A4006G01)	441569-01	1									
27	Copper Tube (E) - High Side	COPPER	332445-01	1									
28	Copper Tube (F) - High Side	COPPER	4A2768-01	1									

Title: **B. Refrigeration Circuit** Model: **KM-501MRH**

Index No.	Description	Material or Model Number	Part Number	Required Number								
				R-1								
29	Copper Tube (G) - High Side	COPPER	3A4097G01	1								
30	Copper Tube - Hot Gas	COPPER	2A3435G01	1								
31	Elbow	COPPER	417395-03	1								
32	Holder / Exp. Valve – 3/8	SS	3A0107-01	1								
33	Heat Exchanger	-	2A3447G03	1								
34	Expansion Valve Cover	PE FOAM	3A0944-01	1								
35	Thermistor	-	429006-03	1								
36	Holder - Thermistor	COPPER	427430-01	1								
37	Cable Tie	-	8911-0200	11								
38	Insulation - Thermistor (A)	PE FOAM	439368-01	1								
39	Insulation - Thermistor (B)	PE FOAM	439368-02	1								
40	Rubber Insulation (A)	EPDM	3A1044-01	1								
41	Rubber Insulation (B)	EPDM	3A1045-01	1								
42	Insulation Holder	-	4A1550-01	1								
42a	T2 Screw	4x8, SS	7P32-0408	2								
43	Insulation Tube	L=40	7762-1020	1								
44	Insulation Tube	L=75	7762-1020	1								
45	Insulation Tube	L=220	7762-2040	1								
46	Wire Saddle	VWS4238-C	4A0338-02	10								
47	Crankcase Heater	-	4A1869-01	1								
47a	T2 Screw	4x8	7P31-0408	1								
48	Silicone Hose	-	7730-0912	1								
49	Clamp	SS	443461-02	1								

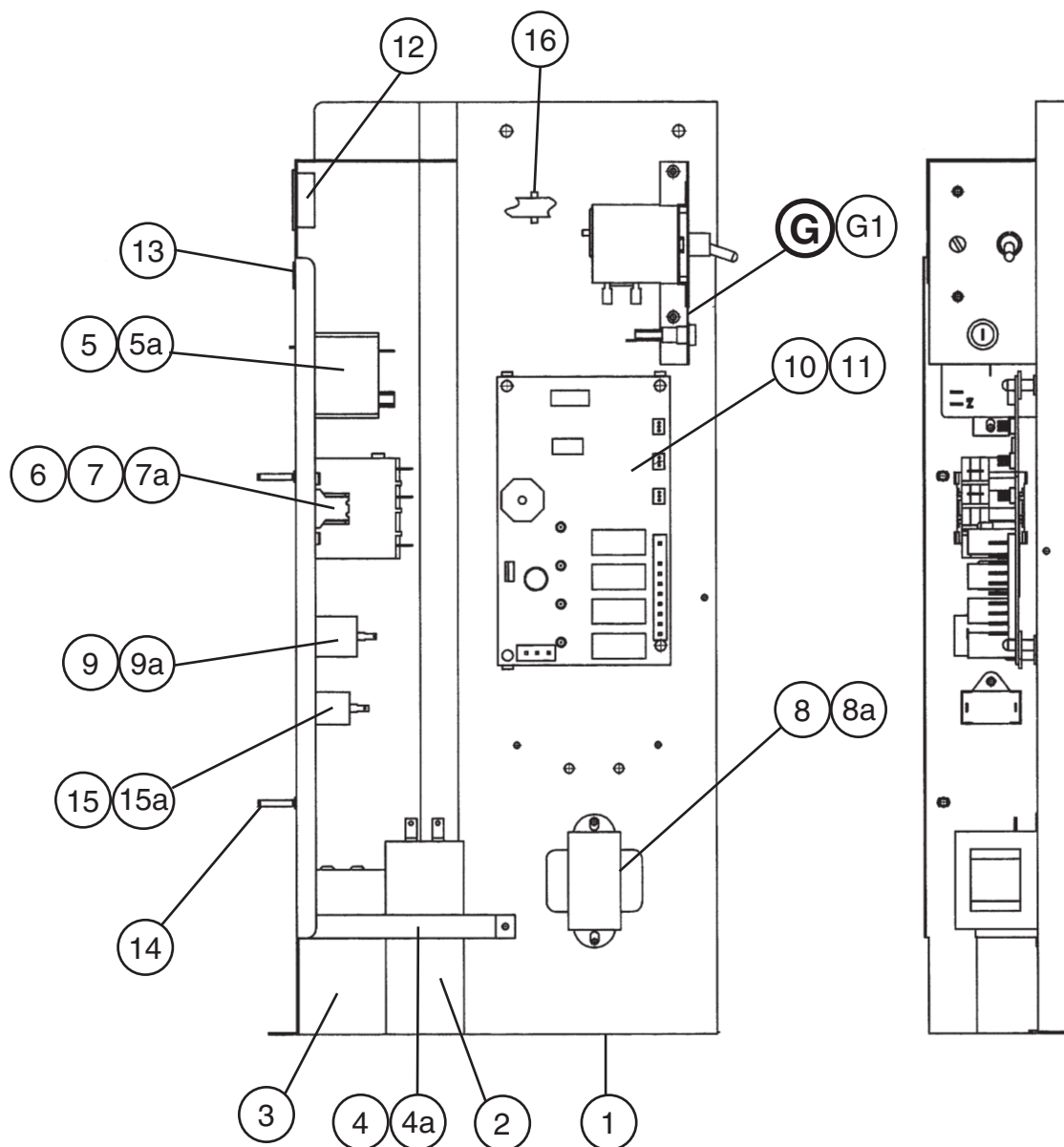
C. Water Circuit
KM-501MAH, KM-501MWH, KM-501MRH
R-1



Title: C. Water Circuit Model: KM-501MAH, KM-501MWH, KM-501MRH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				R-1								
F	Pump Motor Assembly	HS-0176	3A2638A03	1								
F1	Truss Head Screw	4x16, SS	7C32-0416	1								
F2	Flat Washer	M4, SS	7W22-0400	1								
F3	Split Lock Washer	M4, SS	7L22-0400	1								
F4	Hex Nut	M4, SS	7N12-0400	1								
1	Water Supply Pipe	COPPER	4A0768G04	1								
1a	T2 Screw	4x8	7P31-0408	2								
2	Rubber Gasket	NR	413854-03	1								
3	Water Valve Bracket	GS	321443-01	1								
3a	T2 Screw	4x8	7P31-0408	1								
4	Water Valve	J248-072	3U0111-04	1								
5	Hose Clamp	SS, 18MM	427443-05	1								
6	Spray Tube	PE	1A0260-02	1								
7	Spray Guide (A)	PE	208586-01	6								
8	Cube Guide	ABS	212088-01	1								
9	Suction Hose	EPDM	433466-01	1								
10	Pump Motor Bracket	PC	211408-01	1								
10a	Flat Head Screw	4x12, SS	7F32-0412	1								
11	Vinyl Hose	L=250+10/-0	7716-2025	1								
12	Vinyl Hose	L=110	7716-2025	1								
13	Hose Clamp	SS, 25MM	427443-03	9								
14	"O" Ring	1AG35	7611-G035	1								
15	Valve Housing - Drain	ABS	321001-01	1								
15a	T2 Screw	4x10, SS	7P32-0410	3								
16	Spring	SS	322110-01	1								
17	Valve Seat	EPDM	433705-01	1								
18	Drain Hose	SANTO-PRENE	433468-01	1								
19	Overflow Cap	PE	321002-01	1								
20	Overflow Pipe	ABS	430722-03	1								
21	"O" Ring	EPDM	4A1234-01	1								
22	Connector – Float Switch	EPDM	426799-01	1								
23	Float Switch	163795	4A3624-01	1								
23a	T2 Screw	4x12, SS	7P32-0412	2								
24	Silicone Hose	L=140	773013896	1								
25	Wire Saddle	VWS4238-C	4A0338-02	4								
26	Tee	SANTO-PRENE	4A0177-01	1								
27	Bushing	OCB-750	428394-01	1								
28	Flange	EPDM	439267-01	1								
29	Distributor	EPDM	432426-01	1								
30	Rubber Ring	EPDM	439236-01	1								

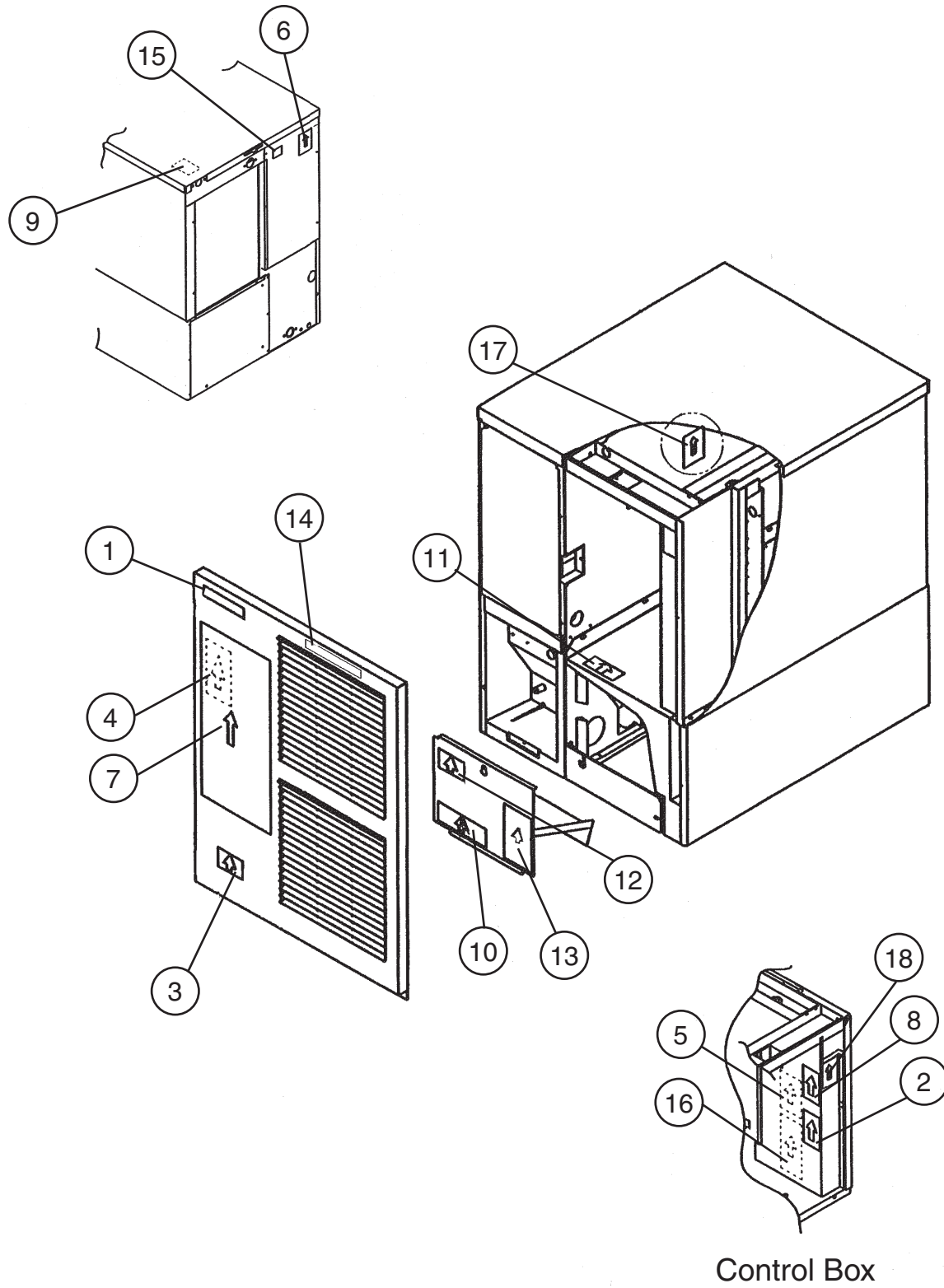
Title: C. Water Circuit Model: KM-501MAH, KM-501MWH, KM-501MRH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				R-1								
31	Handle	JH1352	215383-01	1								
31a	T2 Screw	4x8	7P31-0408	1								
32	Valve Holder	GS	3A1178-01	1								
32a	FT Screw	4x8	7F31-0408	3								
33	Microswitch	V3L-111-D8	4A2546-01	1								
34	Tapping Screw	3x14	431415-02	2								
35	Corner Insulation (A)	PE FOAM	439376-01	1								
36	Corner Insulation (B)	PE FOAM	439392-01	1								
37	Hose Clamp	SS, 20 MM	427443-06	1								
38	Ball Valve	(S-0761), PVC	439293-01	1								
39	Male Adaptor (Included in S-0761)	ABS	325826-01	2								
40	"O" Ring (Included in S-0761)	1AP18	7611-P018	2								
41	Insulation Tube	L=190	7762-2636	1								
42	Silicone Hose	L=140	773013812	1								
43	Rubber Hose (D)	EPDM	4A1551-04	1								
44	Rubber Hose (C)	SANTO-PRENE	4A1551-03	1								
45	Plug	EPDM	4A0176-01	2								
46	Insulation (E)	PE FOAM	4A0392-01	1								
47	Water Supply Tube	PE	2A0079-01	1								

D. Control Box Assembly
KM-501MAH, KM-501MWH, KM-501MRH
R-1



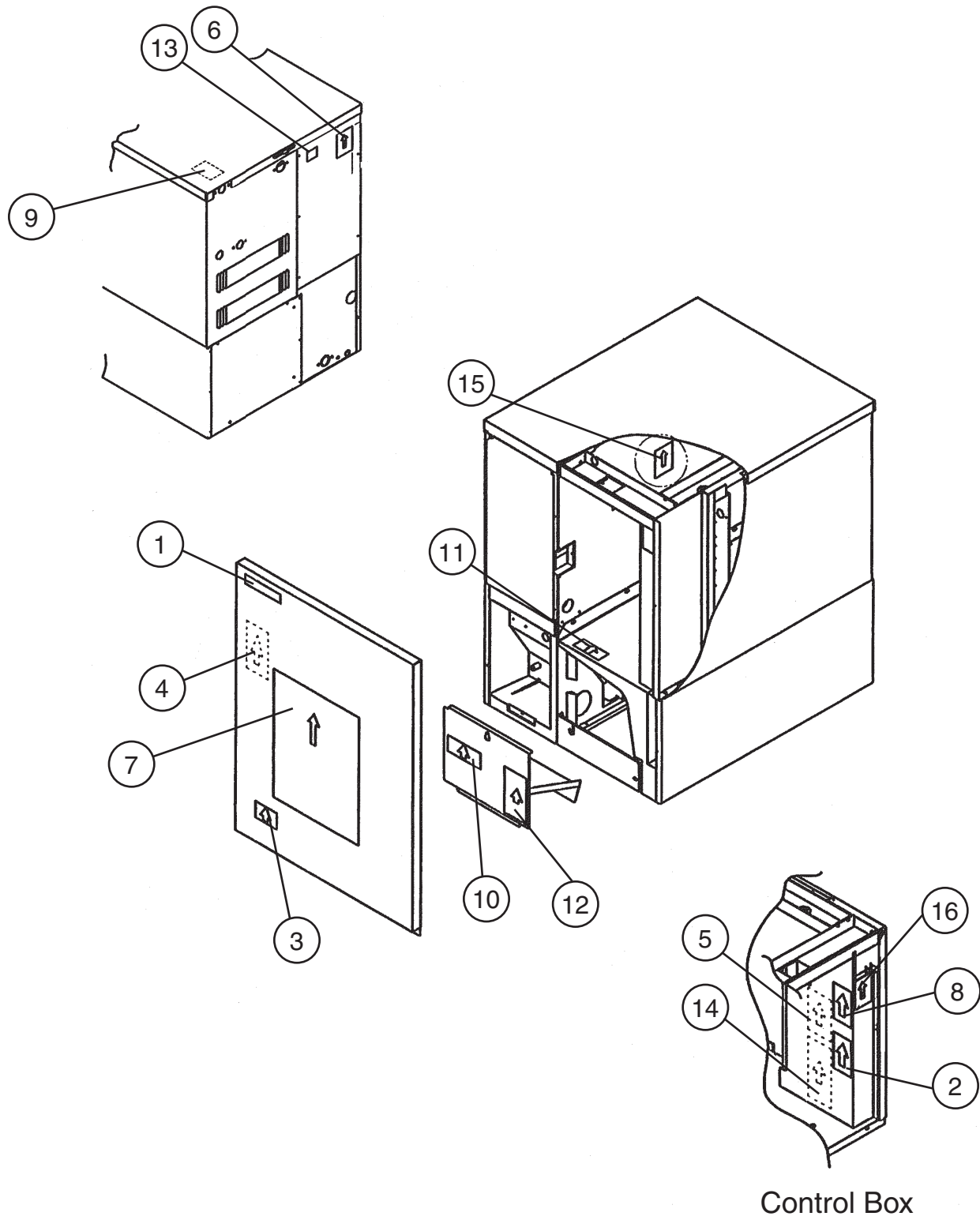
Title: D. Control Box Assembly Model: KM-501MAH, KM-501MWH, KM-501MRH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				R-1								
G	Control Assembly	-	4A2911A01	1								
G1	T2 Screw	4x8	7P31-0408	2								
1	Control Box	-	2A1851-01	1								
2	Capacitor – Run	25MFD, 370 VAC	3A2005-06	1								
3	Capacitor – Starting	72-86 MFD, 250 VAC,	3A0076-15	1								
4	Strap	GS	4A2262-02	1								
4a	T2 Screw	4x8	7P31-0408	1								
5	Starter	GE3ARR3CT3TP5	4A1107-04	1								
5a	T2 Screw	4x8	7P31-0408	1								
6	Magnetic Contactor	VC-20	428393-01	1								
7	Bracket		428393F01	1								
7a	T2 Screw	4x8	7P31-0408	2								
8	Transformer	26D285H	3A0172-01	1								
8a	T2 Screw	4x8	7P31-0408	2								
9	Capacitor - Pump Motor	250 VAC, 5.5 MFD	443192-03	1								
9a	T2 Screw	4x10	7P31-0410	1								
10	Controller Board	HOS-001A	2A1410-01	1								
11	Board Support	CBLS37-M	4A0336-03	4								
12	Bushing	SB-1093-15	420470-03	1								
13	Bushing	OCB-500	428394-02	1								
14	Clamp	-	4A2338-01	2								
15	Capacitor (KM-501MAH Only)	250 VAC, 5.5 MFD	443192-02	1								
15a	T2 Screw (KM-501MAH Only)	4x10	7P31-0410	1								
16	Fuse (Spare)	-	4A0893-07	1								

E. Label Location
KM-501MAH
 R-1



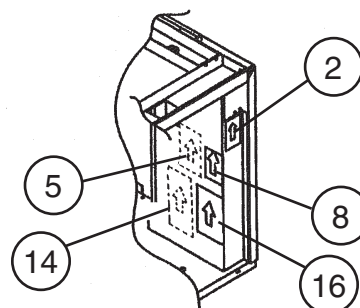
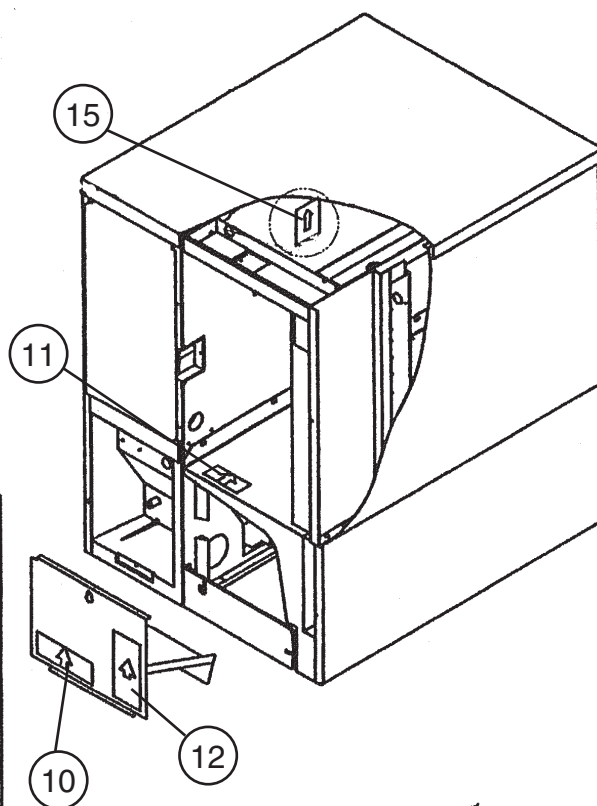
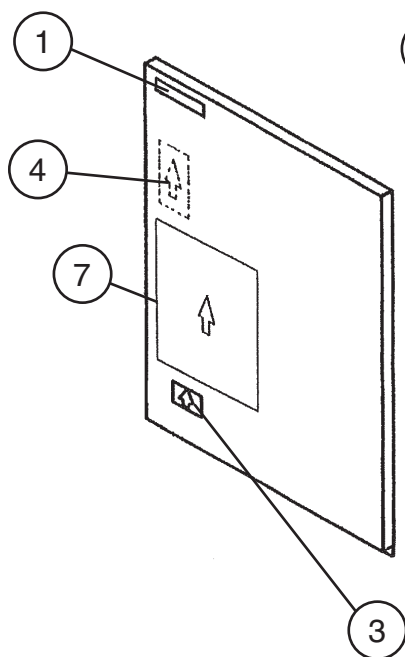
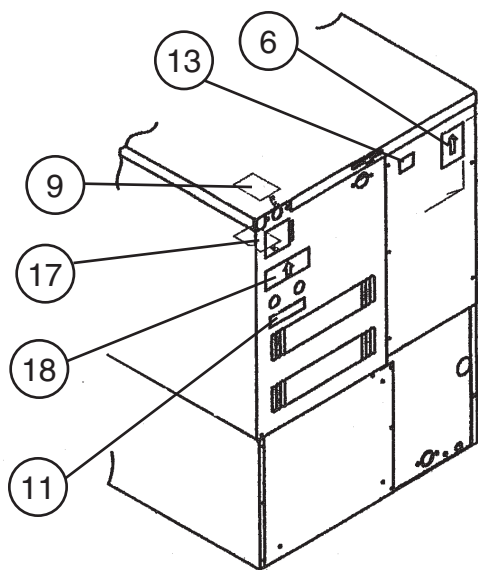
Title: E. Label Location Model: KM-501MAH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				R-1								
1	Emblem	PETP FILM	4A0560-01	1								
2	Label - Alarm	-	4A3517-01	1								
3	Label – Penguin – HA (R)	PETP FILM	4A0526-01	1								
4	Maintenance Label	PVC FILM	326218-01	1								
5	Wiring Label	PVC FILM	3A2415-01	1								
6	Nameplate	PES FILM	2A3847-01	1								
7	Instruction Sheet	PAPER	2A3807-01	1								
8	Manual Label	PVC FILM	446564-01	1								
9	Tag – Warning: Electrical Connection	PAPER	435005-01	1								
10	Operation Label – Valve	PVC FILM	439541-01	1								
11	Label – R404A	PES FILM	4A0960-01	1								
12	Caution Label (F)	PVC FILM	439146-01	1								
13	Caution Label (H)	PVC FILM	439148-01	1								
14	Label – Air Filter	PETP FILM	426177-01	1								
15	Instruction Label	PVC FILM	444575-01	1								
16	Label – Control Board	PVC FILM	3A2220-01	1								
17	Rating Label	-	2A3848-01	1								
18	Label – Fuse	-	4A2817-01	1								

E. Label Location
KM-501MWH
R-1



Title: E. Label Location Model: KM-501MWH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				R-1								
1	Emblem	PETP FILM	4A0560-01	1								
2	Label - Alarm	PETP FILM	4A3517-01	1								
3	Label – Penguin – HA (R)	PETP FILM	4A0526-01	1								
4	Maintenance Label	PVC FILM	326218-01	1								
5	Wiring Label	PVC FILM	3A2415-01	1								
6	Nameplate	PES FILM	2A3847-02	1								
7	Instruction Sheet	PAPER	2A3807-01	1								
8	Manual Label	PVC FILM	446564-01	1								
9	Tag – Warning: Electrical Connection	PAPER	435005-01	1								
10	Operation Label – Valve	PVC FILM	439541-01	1								
11	Label – R404A	PES FILM	4A0960-01	1								
12	Caution Label (H)	PVC FILM	439148-01	1								
13	Instruction Label	PVC FILM	444575-01	1								
14	Label – Control Board	PVC FILM	3A2220-01	1								
15	Rating Label		2A3848-02	1								
16	Label – Fuse	-	4A2817-01	1								

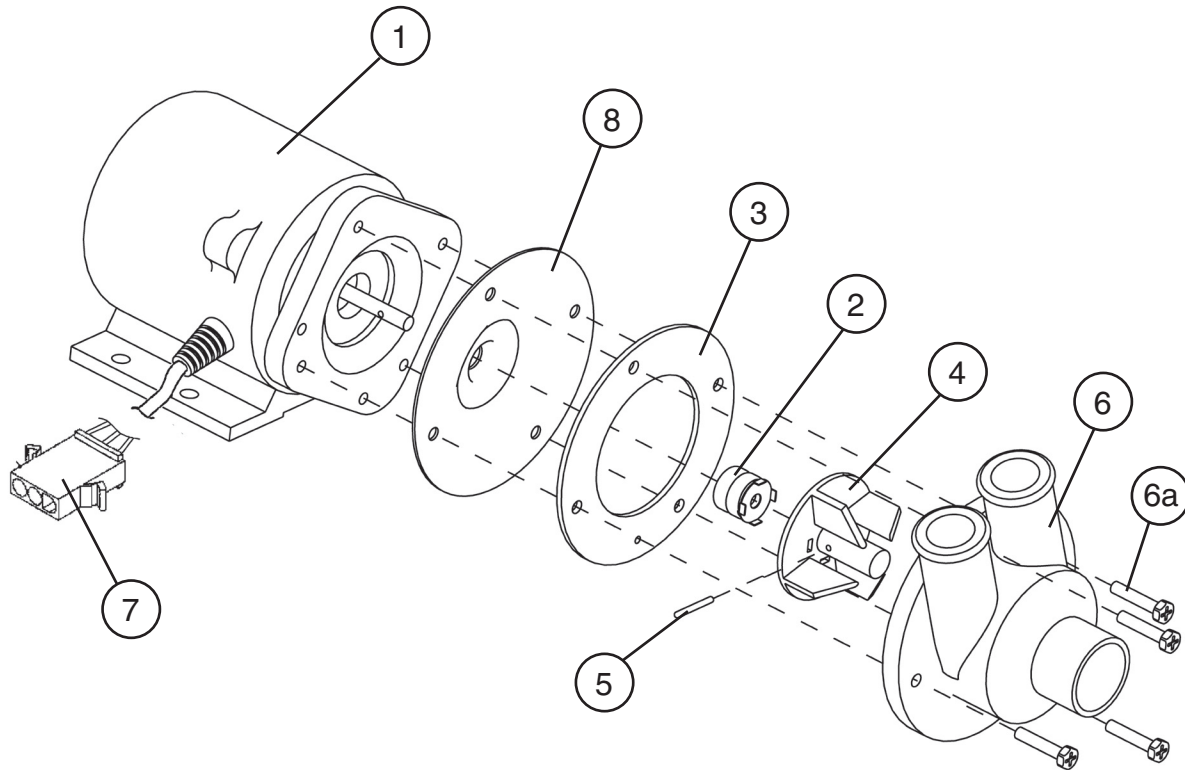
E. Label Location
KM-501MRH
 R-1



Control Box

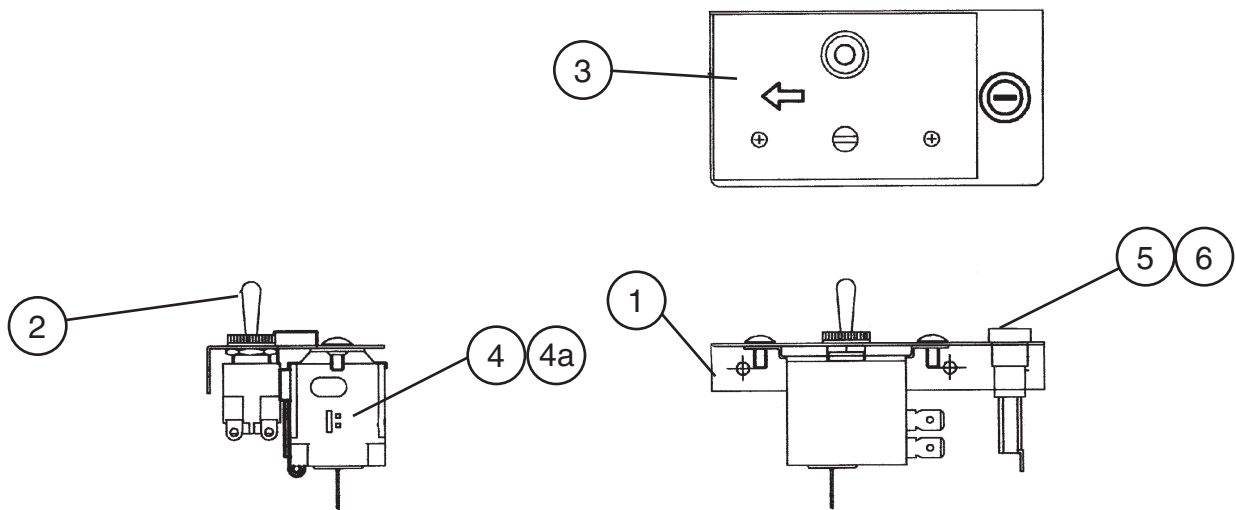
Title: E. Label Location Model: KM-501MRH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				R-1								
1	Emblem	PETP FILM	4A0560-01	1								
2	Label - Fuse	PETP FILM	4A2817-01	1								
3	Label – Penguin – HA (R)	PETP FILM	4A0526-01	1								
4	Maintenance Label	PVC FILM	326218-01	1								
5	Wiring Label	PVC FILM	3A2416-01	1								
6	Nameplate	PES FILM	2A3847-03	1								
7	Instruction Sheet	PAPER	2A3807-01	1								
8	Manual Label	PVC FILM	446564-01	1								
9	Tag – Warning: Electrical Connection	PAPER	435005-01	1								
10	Operation Label – Valve	PVC FILM	439541-01	1								
11	Label – R404A	PES FILM	4A0960-01	2								
12	Caution Label (H)	PVC FILM	439148-01	1								
13	Instruction Label	PVC FILM	444575-01	1								
14	Label – Control Board	PVC FILM	3A2220-01	1								
15	Rating Label	PES FILM	2A3848-03	1								
16	Label – Alarm	-	4A3517-01	1								
17	Tag – Fan Motor Leads	-	4A1494-01	1								
18	Caution – Remote Label	-	4A1491-01	1								

F. Pump Motor Assembly
KM-501MAH, KM-501MWH, KM-501MRH
R-1



Title: F. Pump Motor Assembly Model: KM-501MAH, KM-501MWH, KM-501MRH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				R-1								
1	Pump Motor	APTA9210WD1 120V	2A2758-01	1								
2	Mechanical Seal / R	HKU90-J9001	465627-01	1								
3	Pump Gasket	EPDM	4A2974-01	1								
4	Impeller	ABS	433522-01	1								
5	Pin	SS	4A0648-01	1								
6	Pump Housing	ABS	211409-01	1								
6a	Screw	4x20, Geomet 321coated SS	4A3871-01	4								
7	Plug Housing	-	412832-06	1								
8	Pump Flange	-	3A2988-01	1								

G. Control Assembly
KM-501MAH, KM-501MWH, KM-501MRH
R-1



Title: G. Control Assembly Model: KM-501MAH, KM-501MWH, KM-501MRH											
Index No.	Description	Material or Model Number	Part Number	R-1	Required Number						
1	Control Box (C)	-	4A2816-01	1							
2	Toggle Switch	7K63K6	443119-01	1							
3	Control Label	-	4A2909-01	1							
4	Thermostat	-	4A2879-01	1							
4a	Truss Head Screw	-	7C31-0408	2							
5	Fuse Holder	-	4A0892-01	1							
6	Fuse	-	4A0893-07	1							

H. Accessories

KM-501MAH, KM-501MWH, KM-501MRH

R-1

Title: H. Accessories Model: KM-501MAH, KM-501MWH, KM-501MRH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				R-1								
1	Instruction Manual	PAPER	91A1MN10A	1								
2	Universal Brace	GS	4A0363-01	2								
3	Hex Head Bolt	5x12, SS	7B0230512	4								
Packaging (On Models Currently In Production)												
			2A3865A01									
1	Tray Assembly - Top	-	1A1222G01	1								
2	Tray Assembly - Bottom	-	1A1223G01	1								
3	Pallet	-	2A3684-01	1								
4	Carton	-	2A3862-29	1								
5	Plastic Support	-	2A3865-09	1								
6	Corner Post	-	3A4040-03	1								
7	Bar Code Label	-	4A2999-01	4								