

Hoshizaki America, Inc.

Modular Crescent Cuber

Model
KM-650MAH-E



“A Superior Degree
of Reliability”

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PARTS LIST



CE 89/336
73/23



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Auxiliary Codes

KM-650MAH-E T-0 April 2008
 U-0 January 2009
 U-1 February 2009

Auxiliary Code Breakdown

The auxiliary code is the first two characters in the serial number. The first character indicates the year. Years progress or regress in alphabetical order. The series runs from "A" through "V" and the letters "I" and "O" are skipped. The second character indicates significant part changes within a year. Base is "0" and this number advances for each change. In cases where there is a letter in parentheses, this designates the month. This is the last character in the serial number. The series runs from "(A)" through "(M)" and the letter "(I)" is skipped. This designation is only included when identifying a parts change within an auxiliary code.

Note About Ordering Parts

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

IMPORTANT

IEC standards require that the clamping means of earthing terminals be adequately secured against accidental loosening and that accessible metal parts of the icemaker which may become live in the event of an insulation fault be permanently and reliably connected to an earthing terminal within the icemaker or to the earthing contact of the icemaker inlet. This is accomplished in this icemaker through the use of stainless steel lock washers.

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

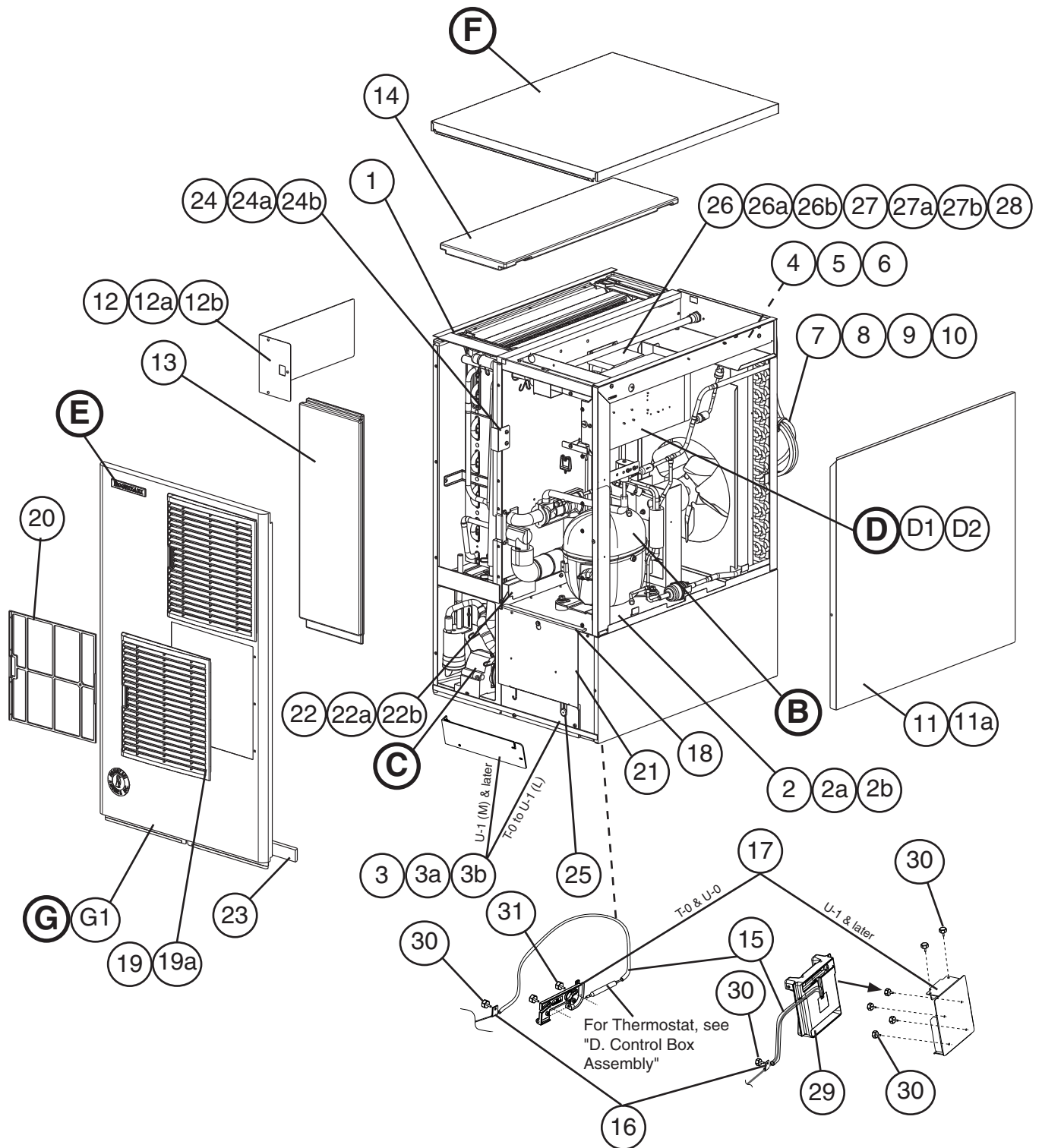
RUBBER

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

A. Ice Cuber Assembly **KM-650MAH-E** T-0 to U-1

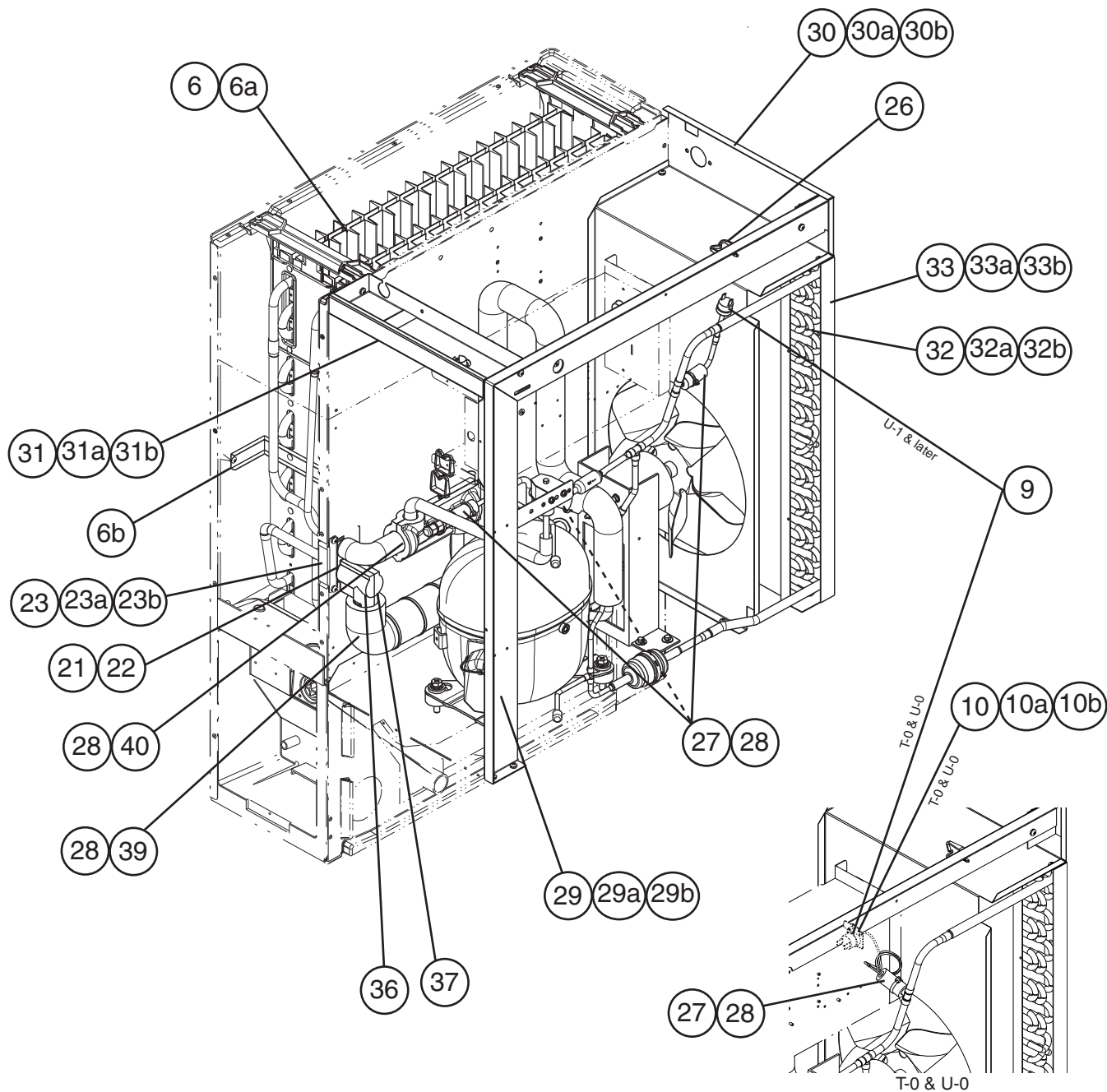


Title: **A. Ice Cuber Assembly** Model: **KM-650MAH-E**

Index No.	Description	Material or Model Number	Part Number	Required Number							
				T-0 U-0	U-1 (B-H)	U-1 (J-L)	U-1 (M)				
B	Refrigeration Circuit	-	1A1527A01	1	-						
			1A1685A01		1	1	1				
C	Water Circuit	-	1A1475A03	1	1	1	1				
D	Control Box Assembly	-	2A4566A01	1	-						
			2A4566A02		1	1	1				
D1	T2 Screw	4x8	7P31-0408	3	3	3	3				
D2	Split Lock Washer	M4, SS	7L22-0400	3	3	3	3				
E	Label Location	-	3A4780A01	1	-						
			3A5123A01		1	-					
			3A5691A01			1	1				
F	Top Panel Assembly	SS	3A3878A01	1	1	1	1				
G	Front Panel Assembly	SS	2A2243G01	1	1	1	1				
G1	Truss Head Screw	4x8, SS	7C32-0408	1	1	1	1				
1	Evaporator Case	-	1A0579G04	1	1	1	1				
2	Base	-	2A2146G15	1	-						
			2A4319G09		1	1	-				
			2A5295G06				1				
2a	FT Screw	4x8	7F31-0408	7	7	7	7				
2b	Split Lock Washer	M4, SS	7L22-0400	7	7	7	7				
3	Frame	-	3A2503G01	1	1	1	-				
			3A5600G01				1				
3a	Truss Head Screw	4x8, SS	7C32-0408	1	1	1	1				
3b	Truss Head Screw	4x25, SS	7C32-0425	2	2	2	2				
4	Square Washer	Brass	433537-02	1	1	1	1				
5	Screw-Grounding	Brass	433304-02	1	1	1	1				
6	Split Lock Washer	M5, SS	7L22-0500	1	1	1	1				
7	Power Supply Cord	-	452359-02	1	1	1	1				
8	Bushing	-	450414-01	1	1	1	1				
9	Nylon Tie	-	8911-0200	1	1	1	1				
10	Cable Tie Mount	-	437618-01	1	1	1	1				
11	Side Panel (R)	SS	2A2117G02	1	1	1	1				
11a	T2 Screw	4x8, SS	7P32-0408	1	1	1	1				
12	Control Box Cover	GS	3A2371-01	1	1	1	1				
12a	T2 Screw	4x8	7P31-0408	3	3	3	3				
12b	Split Lock Washer	M4, SS	7L22-0400	3	3	3	3				
13	Front Insulation	PP, PUR	215731G02	1	1	1	1				
14	Top Insulation	PP, PUR	215730G01	1	1	1	1				
15	Silicone Hose	L=390	7730I3812	1	-						
		L=310	7730-1114		1	-					
16	Strap	NBR	435487-01	1	1	1	-				
17	Bulb Holder	PE	3A3903-01	1	-						
	Bin Control Switch Mount	-	3A4463-01		1	1	1				
18	Tape-Foam	L=270	8208-0005	1	1	1	1				
19	Louver	-	1A0547-01	2	2	2	2				
19a	Push Retainer	PS125306PG	4A2414-01	6	6	6	6				
20	Air Filter	-	2A2062G01	2	1	1	1				
21	Base Cover	SS	321525G01	1	1	1	1				

Title: A. Ice Cuber Assembly Model: KM-650MAH-E											
Index No.	Description	Material or Model Number	Part Number	Required Number							
				T-0 U-0	U-1 (B-H)	U-1 (J-L)	U-1 (M)				
22	Barrier	GS	4A0352-01	1	1	1	1				
22a	T2 Screw	4x8	7P31-0408	2	2	2	2				
22b	Split Lock Washer	M4, SS	7L22-0400	2	2	2	2				
23	Gasket	L=550	4A0808L02	1	1	1	1				
24	Barrier-Insulation	GS	4A1167-01	1	1	1	1				
24a	T2 Screw	4x8	7P31-0408	2	2	2	2				
24b	Split Lock Washer	M4, SS	7L22-0400	2	2	2	2				
25	Capillary Ring	-	425307-01	1	1	1	-				
26	Transformer	PY12-19204	446202-01	1	1	1	1				
26a	Pan Head Screw Assembly	4x8, SS	7C1230408	4	4	4	4				
26b	Split Lock Washer	M4, SS	7L22-0400	4	4	4	4				
27	Transformer Cover	GS	446359-01	1	1	1	1				
27a	T2 Screw	4x8	7P31-0408	2	2	2	2				
27b	Split Lock Washer	M4, SS	7L22-0400	2	2	2	2				
28	Bushing	OCB-500	428394-02	1	1	1	1				
29	Bin Control	-	2A4393G01		1	1	1				
30	Thumbscrew	BLACK	415949G10	1	7	7	6				
31	Thumbscrew	BLACK	415949G11	2	-						

B. Refrigeration Circuit
1/2
KM-650MAH-E
 T-0 to U-1

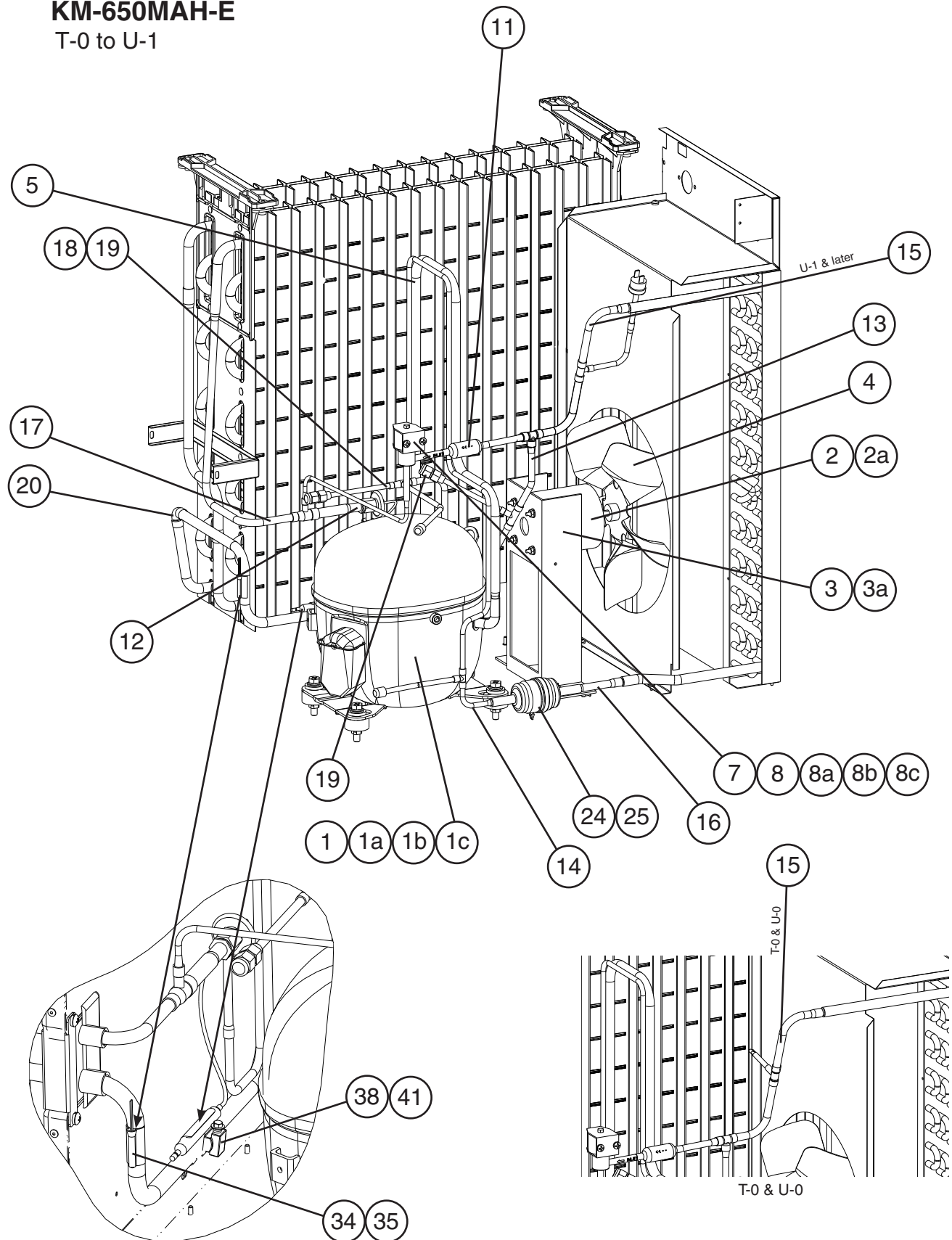


B. Refrigeration Circuit

2/2

KM-650MAH-E

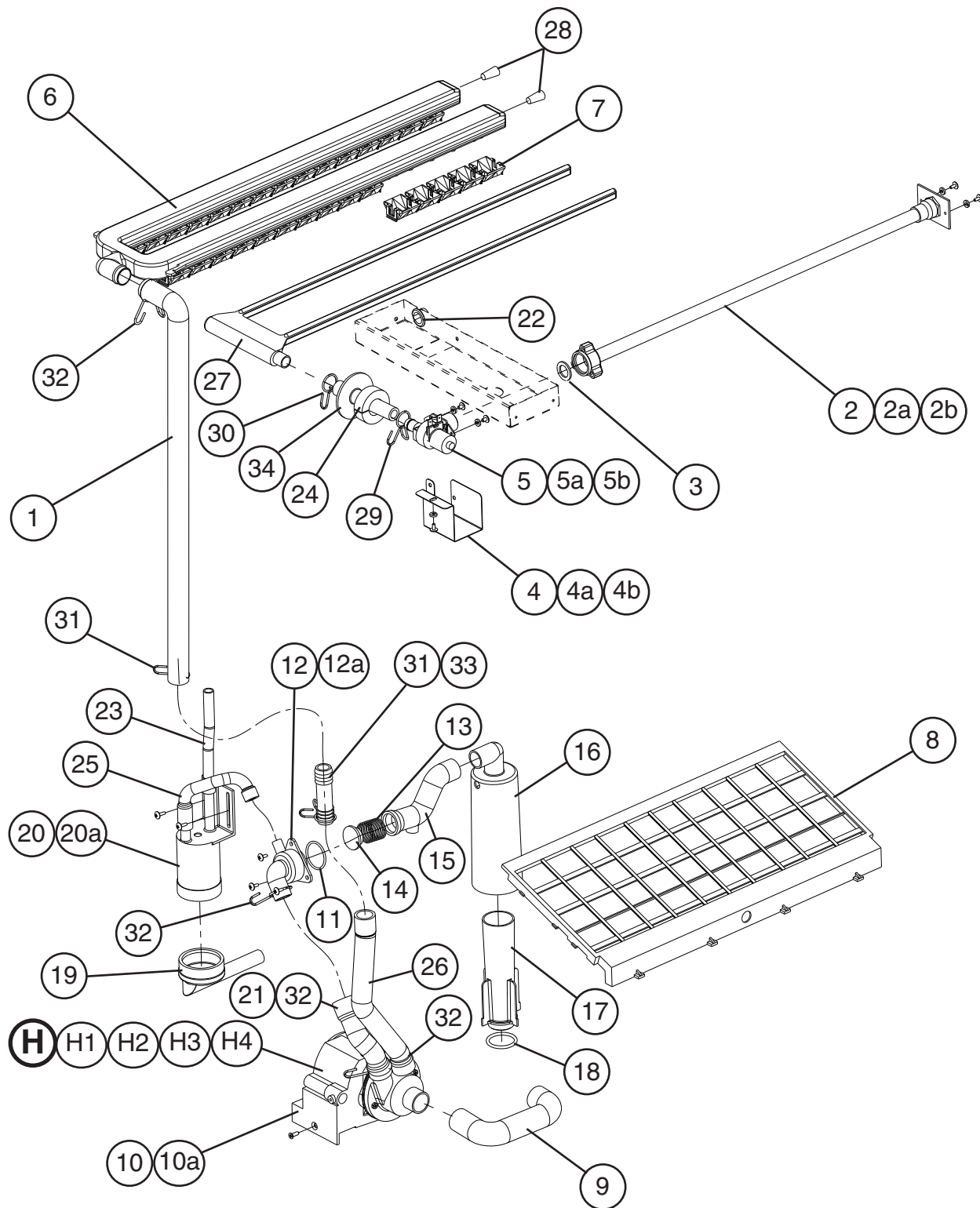
T-0 to U-1



Title: B. Refrigeration Circuit Model: KM-650MAH-E											
Index No.	Description	Material or Model Number	Part Number	Required Number							
				T-0 U-0	U-1 (B-J)	U-1 (K-M)					
1	Compressor	RST64C1E-CAZ-202	4A4462-01	1	1	1					
1a	Spacer	-	4A2595-01	4	1	1					
1b	Grommet	-	4A2593-01	4	1	1					
1c	Bolt	8x45	437889-01	4	1	1					
2	Fan Motor	50 WATT-GEHI	4A3158-01	1	1	1					
2a	Self-Locking Nut	NO. 8-32	7N2110832	4	4	4					
3	Fan Motor Bracket	GS	327180-01	1	1	1					
3a	Hex Bolt w/Washer (LF)	5x12	7B0130512	4	1	1					
4	Fan Blade	-	4A3959-01	1	1	1					
5	Heat Exchanger	-	2A4585G01	1	1	-					
			2A5448G01			1					
6	Evaporator	-	106396G01	1	1	1					
6a	T2 Screw	4x16, SS	7P32-0416	4	4	4					
6b	T2 Screw	4x12, SS	7P32-0412	2	2	2					
7	Valve Body-Hot Gas	-	4A3978-01	1	1	1					
8	Coil-Valve	-	4A3277-01	1	1	1					
8a	Bolt	-	4A3277F01	1	1	1					
8b	Truss Head Screw	4x8	7C31-0408	2	2	2					
8c	Split Lock Washer	M4, SS	7L22-0400	2	2	2					
9	Pressure Switch	-	433441-07	1	-						
			463180-04		1	1					
10	Pressure Switch Bracket	GS	434938-01	1	-						
10a	T2 Screw	4x8	7P31-0408	1	-						
10b	Split Lock Washer	M4, SS	7L22-0400	1	-						
11	Strainer	-	441569-02	1	1	1					
12	Expansion Valve	HFE-15 NHD-2	4A1482-01	1	1	1					
13	Copper Tube (A)-High Side	-	3A4802G01	1	1	1					
14	Copper Tube (B)-High Side	-	3A4803G01	1	1	1					
15	Copper Tube (C)-High Side	-	3A4004G01	1	-						
			3A4475G01		1	1					
16	Copper Tube (F)-High Side	-	4A4084-01	1	1	1					
17	Copper Tube-Hot Gas	-	2A4588G01	1	1	1					
18	Copper Tube-Access Valve	-	3A4783G01	1	1	1					
19	Access Valve	-	457729-01	2	2	2					
20	Elbow	-	417395-03	1	1	-					
21	Rubber Insulation (A)	-	3A1044-01	1	1	1					
22	Rubber Insulation (B)	-	3A1045-01	1	1	1					
23	Insulation Holder	SS	4A1550-01	1	1	1					
23a	T2 Screw	4x8, SS	7P32-0408	2	2	2					
23b	Split Lock Washer	M4, SS	7L22-0400	2	2	2					
24	Drier	-	4A2666-01	1	1	1					
25	Nylon Tie	PLWP3H-TL	8911-0301	1	1	1					
26	Clamp	-	4A2338-01	1	1	1					
27	Insulation Tube	L=40	7762-1020	3	3	3					

Title: B. Refrigeration Circuit Model: KM-650MAH-E												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				T-0 U-0	U-1 (B-J)	U-1 (K-M)						
28	Cable Tie	-	8911-0200	12	12	12						
29	Side Frame	GS	2A1301G03	1	1	1						
29a	T2 Screw	4x8	7P31-0408	6	6	6						
29b	Split Lock Washer	M4, SS	7L22-0400	6	6	6						
30	Shroud Assembly	-	2A4596G01	1	1	1						
30a	T2 Screw	4x8	7P31-0408	5	5	5						
30b	Split Lock Washer	M4, SS	7L22-0400	5	5	5						
31	Top Frame	GS	3A1893-01	1	1	1						
31a	T2 Screw	4x8	7P31-0408	2	2	2						
31b	Split Lock Washer	M4, SS	7L22-0400	2	2	2						
32	Condenser	-	2A3853-01	1	1	1						
32a	T2 Screw	4x8	7P31-0408	4	4	4						
32b	Split Lock Washer	M4, SS	7L22-0400	4	4	4						
33	Barrier	GS	433693-02	1	1	1						
33a	T2 Screw	4x8	7P31-0408	2	2	2						
33b	Split Lock Washer	M4, SS	7L22-0400	2	2	2						
34	Thermistor	L=1050	429006-03	1	1	1						
35	Holder-Thermistor	-	427430-01	1	1	1						
36	Insulation-Thermistor (A)	-	439368-01	1	1	1						
37	Insulation-Thermistor (B)	-	439368-02	1	1	1						
38	Holder-Expansion Valve	-	3A0107-01	1	1	1						
39	Insulation Tube	L=200	7762-3555	1	1	1						
40	Expansion Valve Cover	-	3A0944-01	1	1	1						
41	Clamp	-	443461-02	1	1	1						

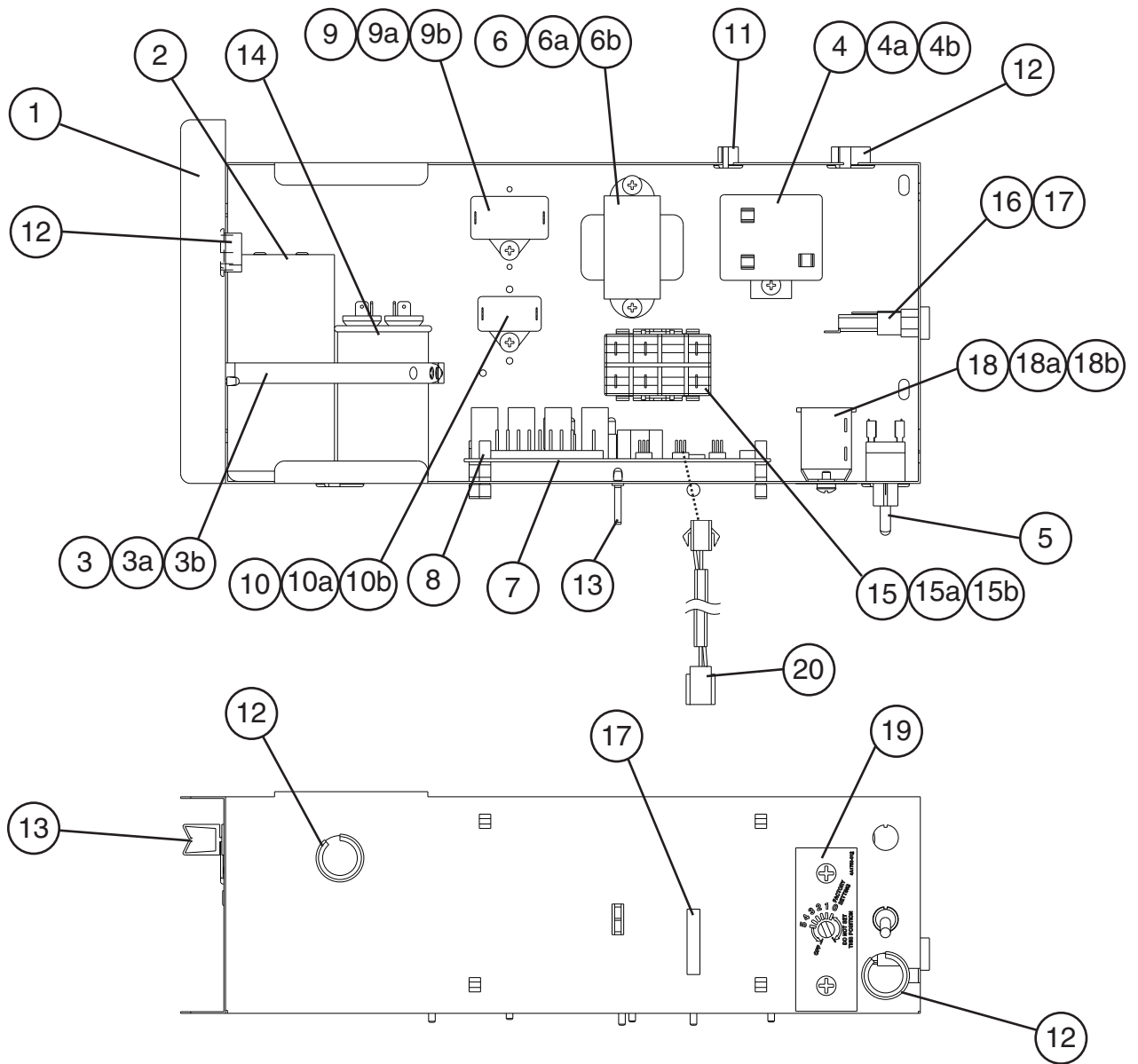
C. Water Circuit
KM-650MAH-E
 T-0 to U-1



Title: C. Water Circuit Model: KM-650MAH-E												
Index No.	Description	Material or Model Number	Part Number	T-0 to U-1	Required Number							
H	Pump Motor Assembly	HS-0177	3A2638A02	1								
H1	Truss Head Screw	4x16, SS	7C32-0416	1								
H2	Flat Washer	M4, SS	7W22-0400	1								
H3	Split Lock Washer	M4, SS	7L22-0400	1								
H4	Hex Nut	M4, SS	7N12-0400	1								
1	Rubber Hose	EPDM	4A1551-01	1								
2	Water Supply Pipe	Copper	4A0768G04	1								
2a	T2 Screw	4x8	7P31-0408	2								
2b	Split Lock Washer	M4, SS	7L22-0400	2								
3	Rubber Gasket	SI.R	413854-03	1								
4	Water Valve Bracket	GS	3A0736-01	1								
4a	T2 Screw	4x8	7P31-0408	1								
4b	Split Lock Washer	M4, SS	7L22-0400	1								
5	Water Valve	1261840-00	4A1176-06	1								
5a	Truss Head Screw	4x6, SS	7C32-0406	2								
5b	Split Lock Washer	M4, SS	7L22-0400	2								
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	ABS	211408-01	1								
10a	Flat Head T2 Screw	4x12, SS	7P22-0412	1								
11	"O" Ring	1AG35	7611-G035	1								
12	Valve Housing-Drain	ABS	321001-01	1								
12a	T2 Screw	4x10, SS	7P32-0410	3								
13	Spring	SS	3A0875-01	1								
14	Valve Seat	EPDM	433705-01	1								
15	Drain Hose	Santoprene	433468-01	1								
16	Overflow Cap	PE	321002-01	1								
17	Overflow Pipe	ABS	430722-03	1								
18	"O" Ring	EPDM, AS568-218	4A1234-01	1								
19	Connector-Float Switch	-	426799-01	1								
20	Float Switch	213095	4A3624-01	1								
20a	T2 Screw	4x12, SS	7P32-0412	2								
21	Vinyl Hose	L=110	7716-2025	1								
22	Bushing	OCB-750	428394-01	1								
23	Silicone Hose	L=140	773013812	1								
24	Insulation (E)	-	4A0392-01	1								
25	Silicone Hose	L=140	773013896	1								
26	Vinyl Hose	L=250	7716-2025	1								
27	Water Supply Tube	PE	2A0079-01	1								
28	Plug	Santoprene	4A0176-01	2								
29	Hose Clamp	16.5 mm, SS	427443-04	1								
30	Hose Clamp	18 mm, SS	427443-05	1								
31	Hose Clamp	23 mm, SS	427443-10	2								

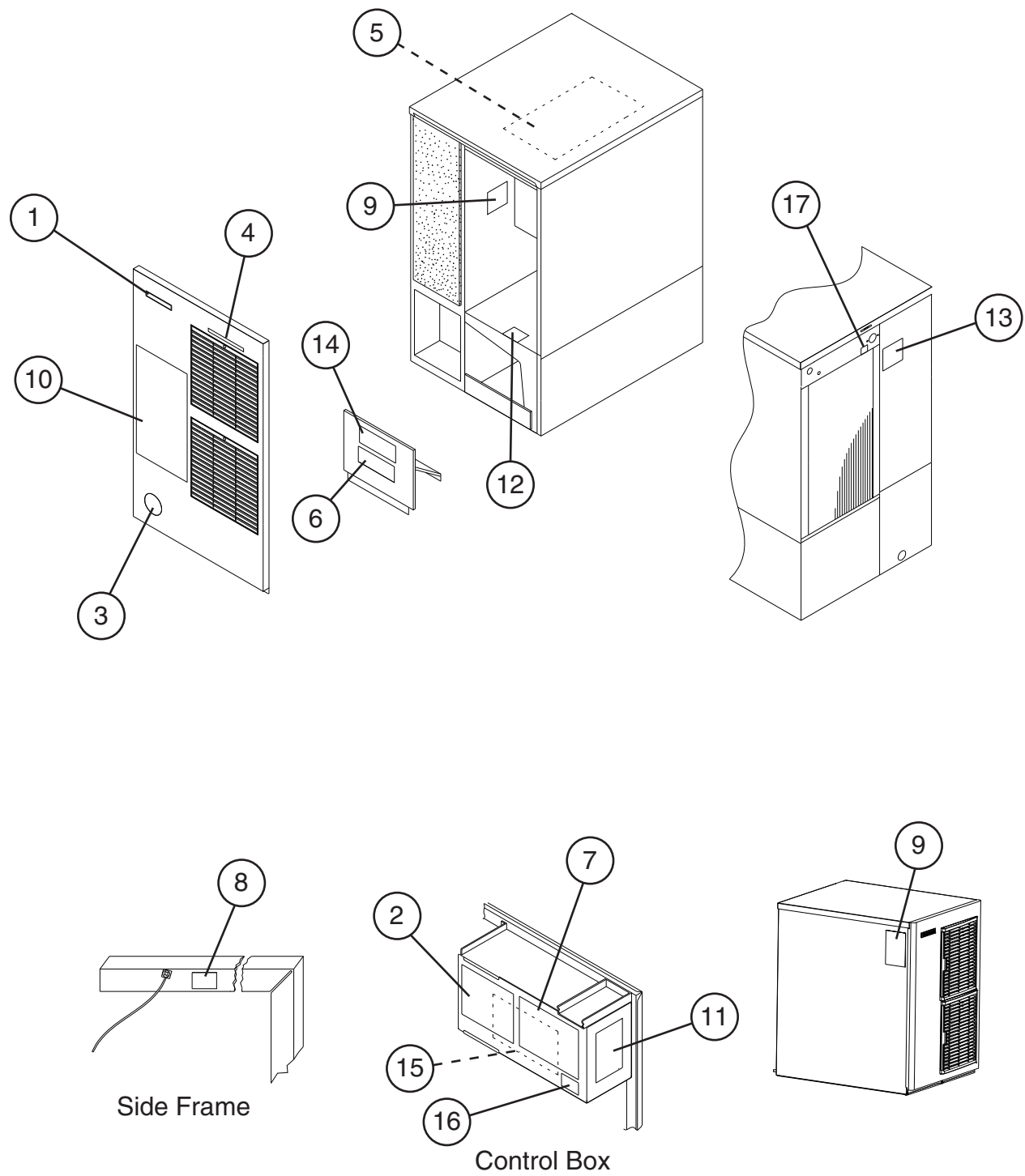
Title: C. Water Circuit Model: KM-650MAH-E												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				T-0 to U-1								
32	Hose Clamp	25 mm, SS	427443-03	4								
33	Insert Coupling	-	4A0632-01	1								
34	Connecting Pipe	-	4A1142-01	1								

D. Control Box Assembly **KM-650MAH-E** T-0 to U-1



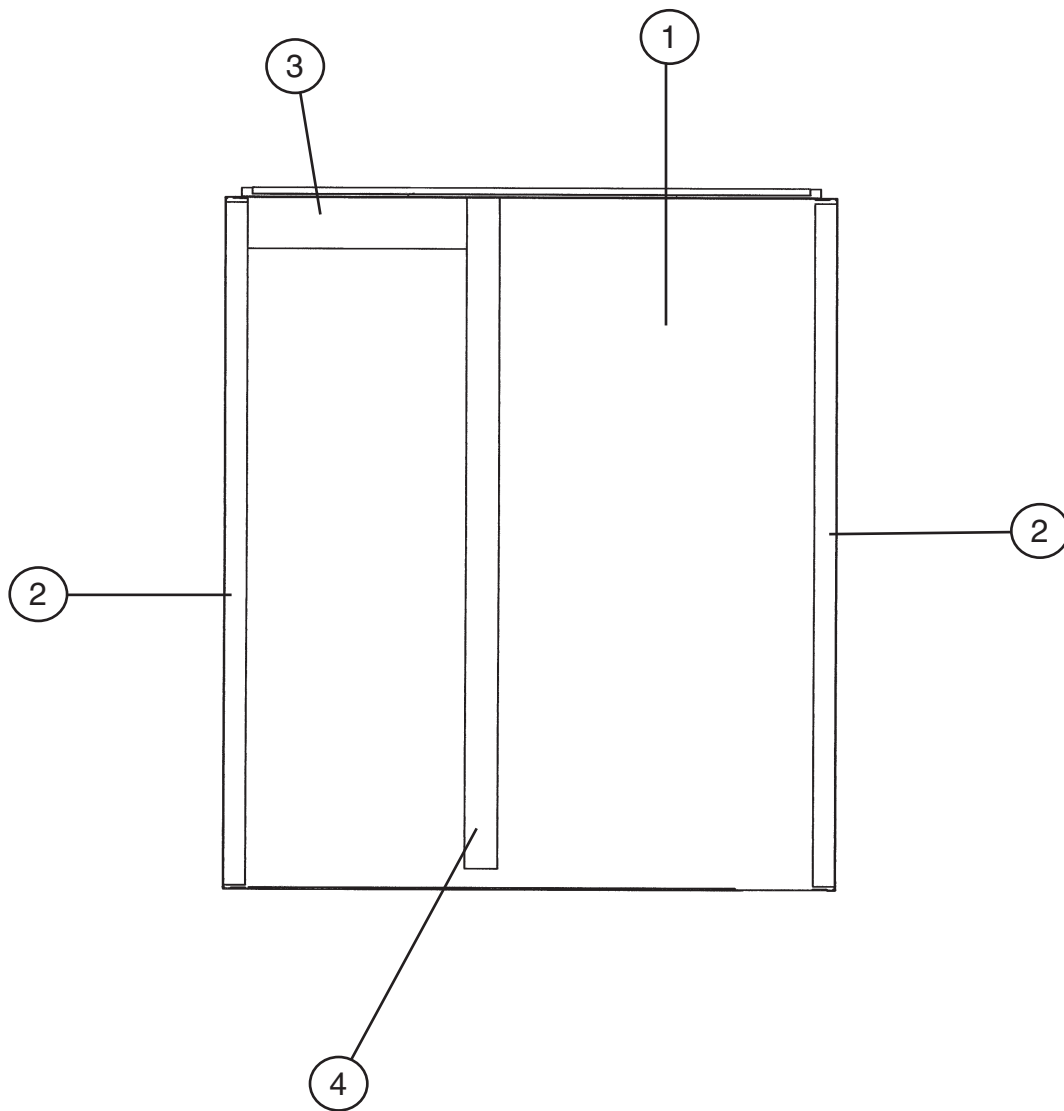
Title: D. Control Box Assembly Model: KM-650MAH-E												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				T-0 U-0	U-1							
1	Control Box	GS	3A2372G02	1	-							
			3A2372G04		1							
2	Capacitor-Start	130-156MFD, 250VAC	3A4788-01	1	1							
3	Strap	GS	4A2262-02	1	1							
3a	T2 Screw	4x8	7P31-0408	1	1							
3b	Split Lock Washer	M4, SS	7L22-0400	1	1							
4	Starter	3ARR3T6AC5	4A1107-15	1	1							
4a	T2 Screw	4x8	7P31-0408	1	1							
4b	Split Lock Washer	M4, SS	7L22-0400	1	1							
5	Toggle Switch	2GM91-68	4A2436-01	1	1							
6	Transformer	26D285H	3A0172-01	1	1							
6a	T2 Screw	4x8	7P31-0408	2	2							
6b	Split Lock Washer	M4, SS	7L22-0400	2	2							
7	Control Board	"E" Board	2A1410-01	1	-							
		"G" Board	2A3792-01		1							
8	Board Support	CBLS37-M	4A0336-03	4	4							
9	Capacitor-Pump Motor	5.5MFD, 250VAC	4A2128-03	1	1							
9a	T2 Screw	4x10	7P31-0410	1	1							
9b	Split Lock Washer	M4, SS	7L22-0400	1	1							
10	Capacitor-Fan	2.5MFD, 250VAC	4A2128-05	1	1							
10a	T2 Screw	4x10	7P31-0410	1	1							
10b	Split Lock Washer	M4, SS	7L22-0400	1	1							
11	Bushing	OCB-500	428394-02	1	1							
12	Bushing	OCB-875	428394-04	4	4							
13	Wire Saddle	-	4A0338-02	2	2							
14	Capacitor-Run	20MFD, 440VAC	3A2005-01	1	1							
15	Magnetic Contactor	VC20	428393-01	1	1							
15a	T2 Screw	4x8	7P31-0408	2	2							
15b	Split Lock Washer	M4, SS	7L22-0400	2	2							
16	Fuse Holder	HTB92I	4A0892-01	1	1							
17	Fuse	AGC-10 250V 10A	4A0893-07	2	2							
18	Bin Control Thermostat	YTB-3U112	4A2879-01	1	-							
18a	Truss Head Screw	4x8	7C31-0408	2	-							
18b	Split Lock Washer	M4, SS	7L22-0400	2	-							
19	Control Label	-	4A1758-01	1	-							
20	Wire Harness	L=90	4A2200G04		1							

E. Label Location **KM-650MAH-E** T-0 to U-1



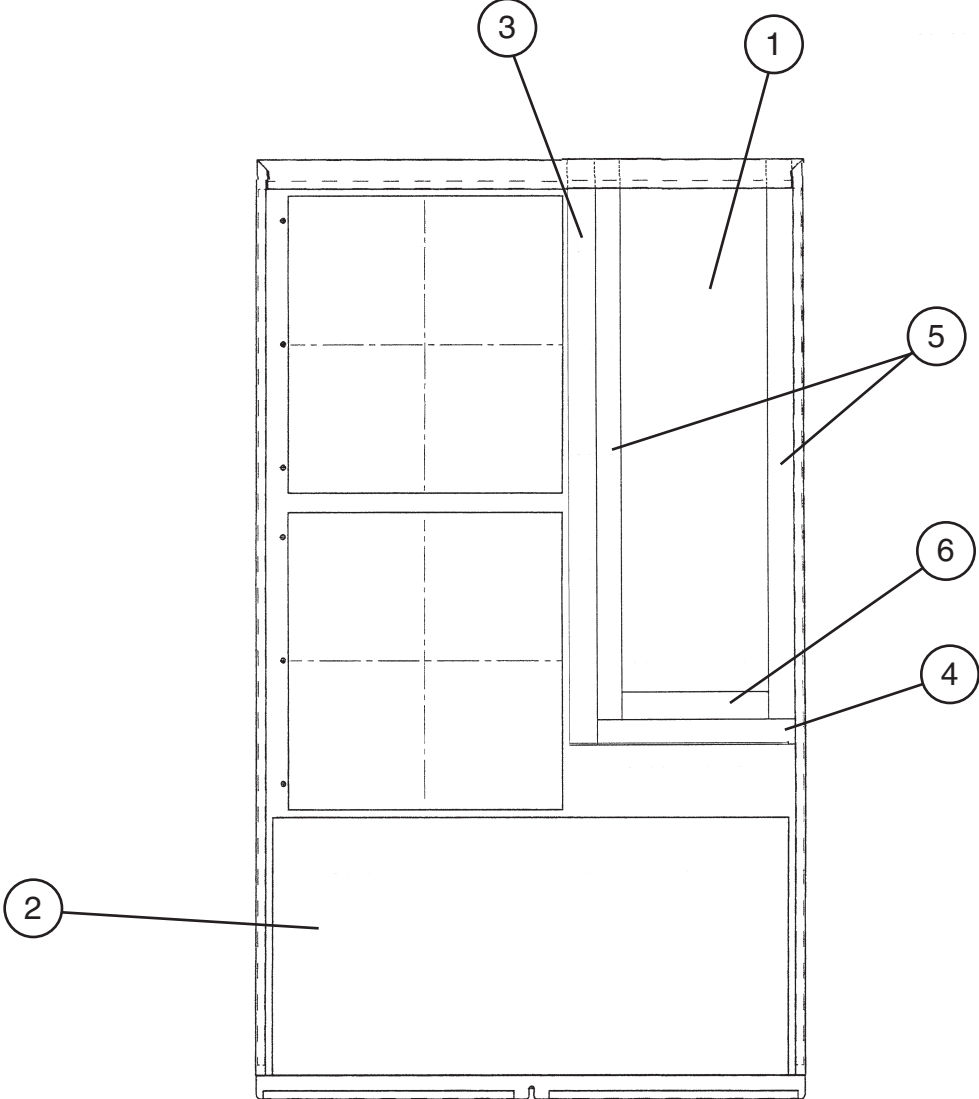
Title: E. Label Location Model: KM-650MAH-E											
Index No.	Description	Material or Model Number	Part Number	Required Number							
				T-0 U-0	U-1 (B-H)	U-1 (J-M)					
1	Emblem	-	4A0560-01	1	1	1					
2	Label-Alarm	-	4A3517-01	1	1	-					
			4A4737-01			1					
3	Label-Penguin (R)	-	4A0526-01	1	1	1					
4	Label-Air Filter	-	426177-01	1	1	1					
5	Maintenance Label	-	3A0725-01	1	-						
			3A5290-01		1	1					
6	Caution Label (H)	-	439148-01	1	1	-					
	Warning Label (H)		4A4795-01			1					
7	Wiring Label	-	3A4782-01	1	-						
			3A5153-01		1	1					
8	Label-Ground (B)	-	450452-02	1	1	1					
9	Nameplate	-	2A3858-04	2	2	2					
10	Instruction Sheet	-	2A4371-01	1	-						
11	Manual Label	-	4A2864-01	1	1	-					
			4A4839-01			1					
12	Label-R404A	-	4A0960-01	1	1	1					
13	Instruction Label	-	444575-01	1	1	1					
14	Caution Label (F)	-	439146-01	1	1	-					
	Warning Label (F)		4A4767-01			1					
15	Label-Control Board	-	3A2220-01	1	-						
			3A4799-01		1	1					
16	Label-Fuse	-	4A2817-01	1	1	-					
			4A4829-01			1					
17	Water Supply Label	-	4A1158-01	1	1	1					

F. Top Panel Assembly
KM-650MAH-E
T-0 to U-1



Title: F. Top Panel Assembly Model: KM-650MAH-E												
Index No.	Description	Material or Model Number	Part Number	T-0 to U-1	Required Number							
1	Top Panel	-	2A2133-01	1								
2	Gasket	-	427014-04	2								
3	Insulation	-	438012-01	1								
4	Foam Seal	L=658	4A1163L01	1								

G. Front Panel Assembly
KM-650MAH-E
T-0 to U-1

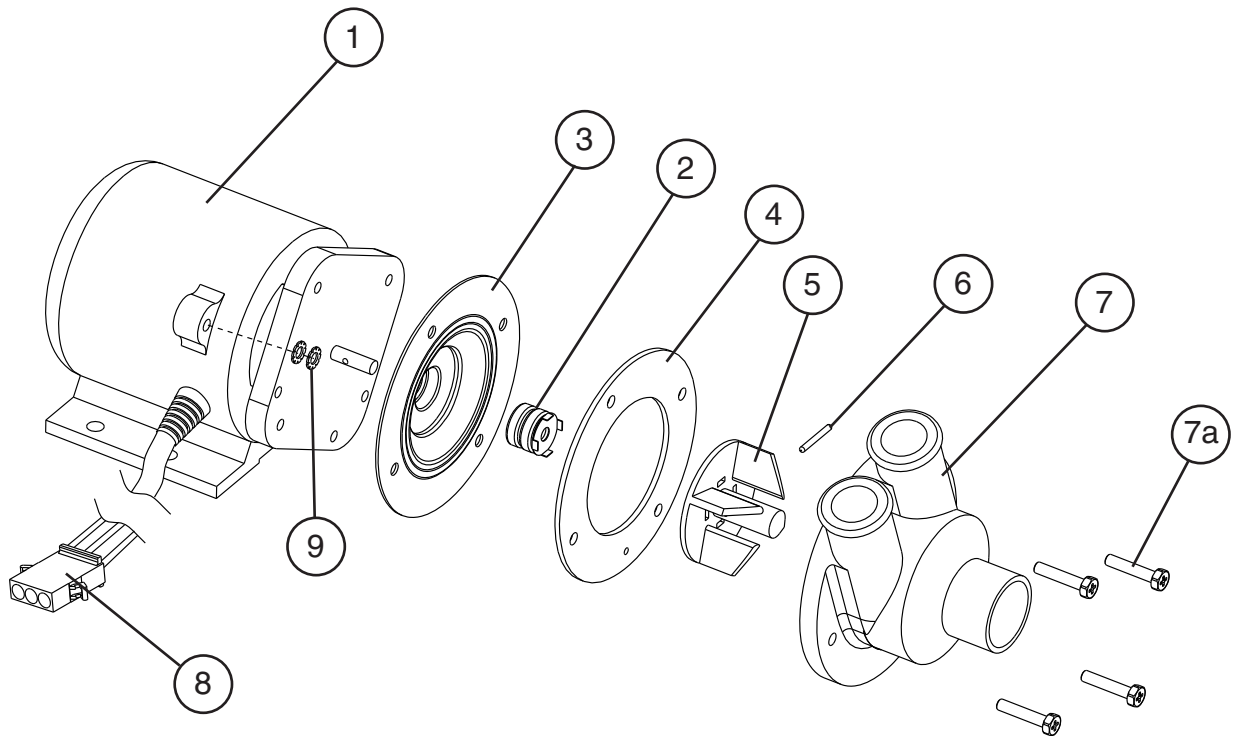


Title: G. Front Panel Assembly Model: KM-650MAH-E												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				T-0 to U-1								
1	Front Panel (A)	-	2A2130-03	1								
2	Insulation (A)	-	4A2507-01	1								
3	Foam Seal	L=640	4A0661L01	1								
4	Foam Seal	L=220	4A0661L01	1								
5	Foam Seal	L=610	4A1163L01	2								
6	Foam Seal	L=160	4A1163L01	1								

H. Pump Motor Assembly

KM-650MAH-E

T-0 to U-1



Title: H. Pump Motor Assembly Model: KM-650MAH-E										
Index No.	Description	Material or Model Number	Part Number	T-0 to U-1	Required Number					
1	Pump Motor	APT92P1OWD1	2A2758-01	1						
2	Mechanical Seal	HKU90-J9001	465627-01	1						
3	Pump Flange	SS	3A2988-01	1						
4	Pump Gasket	NR	4A2974-01	1						
5	Impeller	ABS	417082-01	1						
6	Pin	SS	4A0648-01	1						
7	Pump Housing	ABS	211409-02	1						
7a	Screw	4x20, GEOMET	4A3871-01	4						
8	Plug Housing	PA	412832-06	1						
9	Tooth Washer (GND)	4, SS	7R22-0400	2						

J. Accessories & Packaging

KM-650MAH-E

T-0 to U-1

Title: J. Accessories & Packaging Model: KM-650MAH-E												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				T-0 to U-0	U-1							
1	Instruction Manual	Paper	91A1NK10B	1	1							
2	Installation Manual	Paper	91A1NK11B	1	1							
2	Universal Brace	GS	4A0363-01	2	2							
2a	Hex Head Bolt	5×12, SS	7B02-0512	4	4							
	Packaging		2A3865A04	1	1							