

Hoshizaki America, Inc.

Self-Contained Crescent Cuber

Model
KM-25 IBAH



“A Superior Degree
of Reliability”

www.hoshizaki.com

PARTS LIST



Number: 71255
Issued: 9-22-2006

CONTENTS

Auxiliary Codes.....	3
Note About Ordering Parts	3
Material Abbreviations	4
A. Ice Cuber Assembly	5
B. Refrigeration Circuit.....	9
C. Water Circuit.....	12
D. Control Box Assembly	15
E. Electrical Box Assembly	16
F. Door Assembly.....	17
G. Label Location.....	18
H. Accessories and Packaging	20

Auxiliary Codes

KM-251BAH R-0 April 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

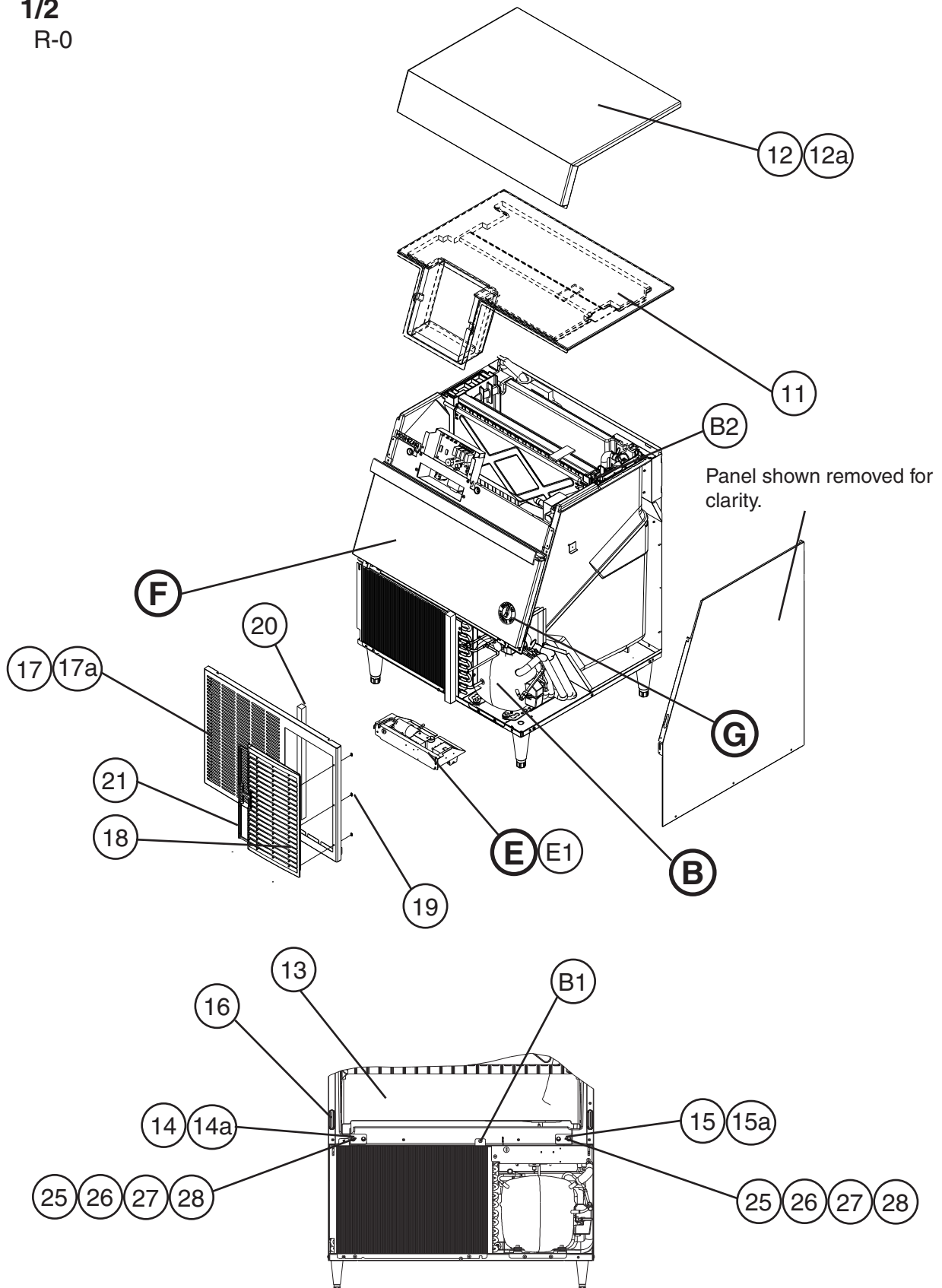
K-0

┌── 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.

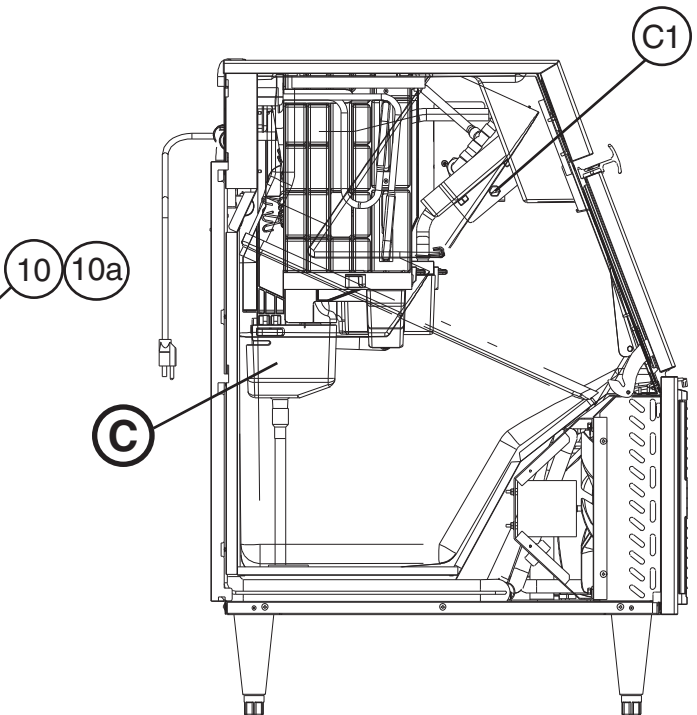
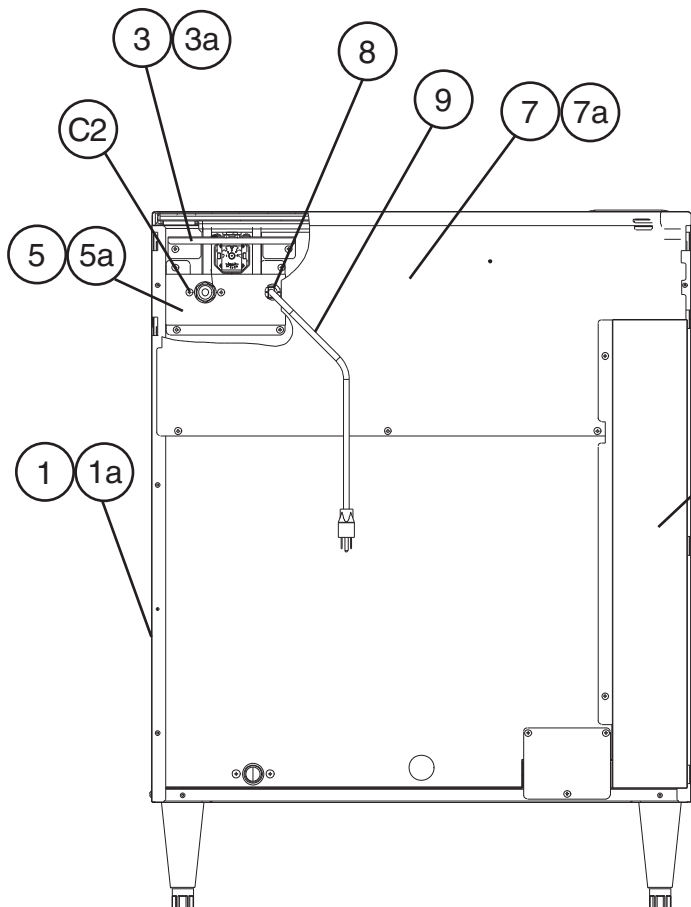
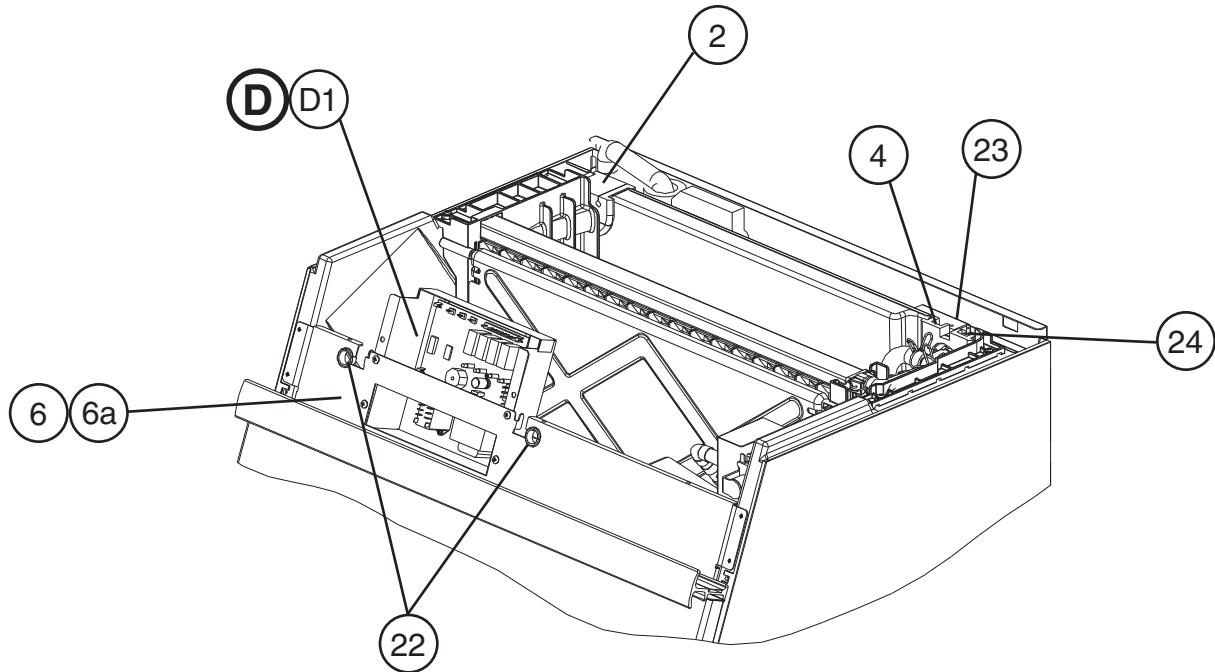
Example: P-1

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

A. Ice Cuber Assembly
KM-251BAH
1/2
R-0



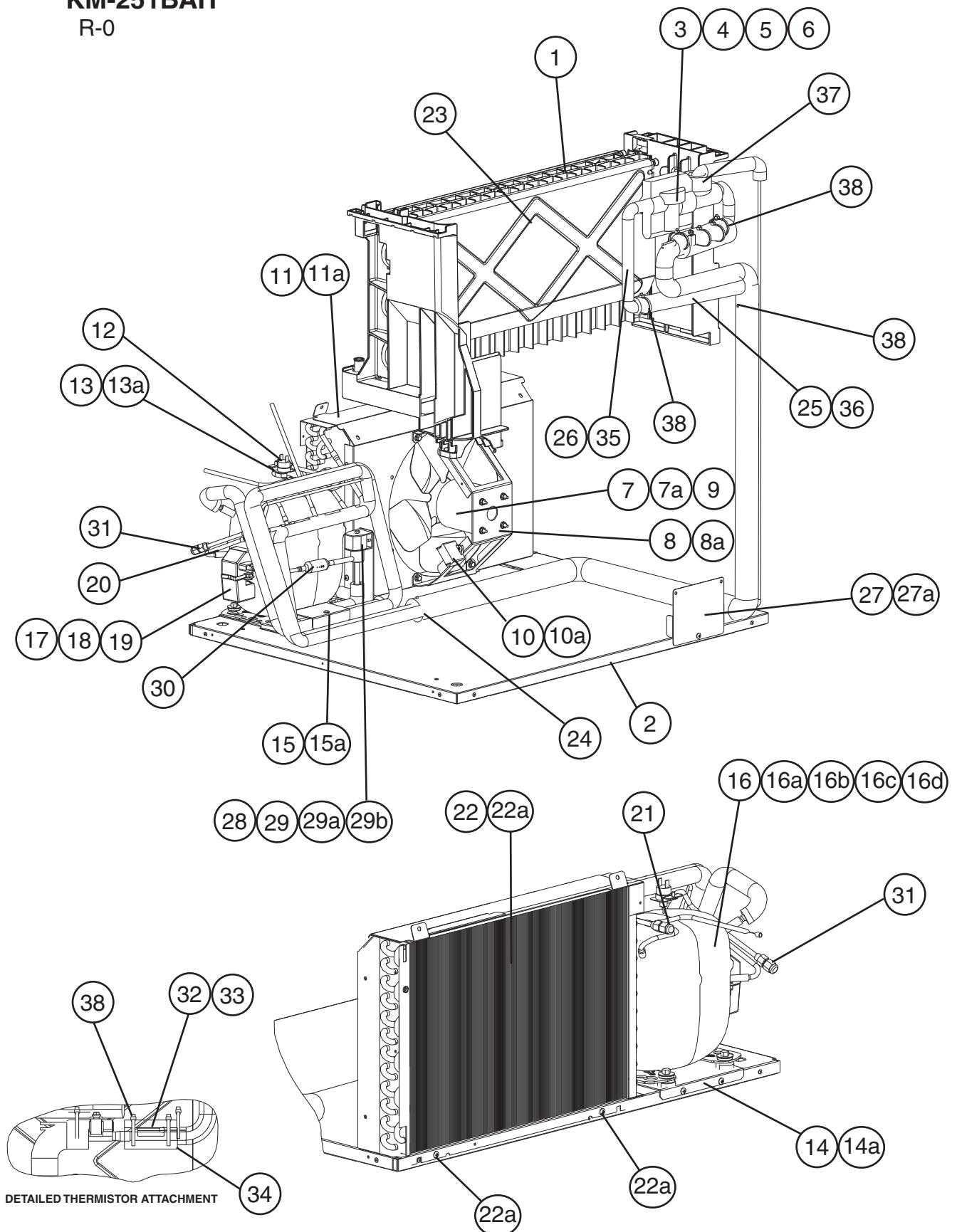
A. Ice Cuber Assembly
KM-251BAH
2/2
R-0



Title: A. Ice Cuber Assembly Model: KM-251BAH												
Index No.	Description	Material or Model Number	Part Number	R-0	Required Number							
B	Refrigeration Circuit	-	1A1035A01	1								
B1	T2 Screw	4x12 SS	7P32-0412	2								
B2	Truss Head Screw	4x16 SS	7C32-0416	4								
C	Water Circuit		1A1034A01	1								
C1	Thumbscrew	-	415949G10	1								
C2	T2 Screw (See C. Water Circuit item 16)	4x8 SS	7P32-0408	2								
D	Control Box Assembly	-	3A3413A01	1								
D1	T2 Screw	4x8 SS	7P32-0408	4								
E	Electrical Box Assembly	-	3A3400A02	1								
E1	T2 Screw	4x8 SS	7P32-0408	2								
F	Door Assembly	-	3A3415A02	1								
G	Label Location	-	3A3429A01	1								
1	Body Assy	-	1A1043G01	1								
1a	T2 Screw	4x8 SS	7P32-0408	9								
2	Grommet/Pipe	-	3A3387-01	1								
3	Bracket/Cleaning Valve	-	4A3703-01	1								
3a	T2 Screw	4x8 SS	7P32-0408	2								
4	Grommet/Cleaning Valve	-	3A3390-01	1								
5	Bracket/Water Inlet	-	4A4120G01	1								
5a	T2 Screw	4x8 SS	7P32-0408	2								
6	Top Frame	-	2A3369-02	1								
6a	Truss Head Screw	4x12 SS	7C32-0412	4								
7	Rear Panel	-	3A3397-02	1								
7a	T2 Screw	4x8 SS	7P32-0408	3								
8	Bushing	SR-7K-2	420472-02	1								
9	Power Supply Cord	15 AMP 125V	4A1773-01	1								
10	Rear Cover	-	3A3399-01	1								
10a	T2 Screw	4x8 SS	7P32-0408	2								
11	Top Insulation Assembly	-	2A3833G02	1								
12	Top Panel	-	1A1026-02	1								
12a	Truss Head Screw	4x12 SS	7C32-0412	2								
13	Slope	-	3A4121-02	1								
14	Hinge (L)	-	4A3690-01	1								
14a	Hex Bolt	5x20 SS (LF)	7B0230520	2								
15	Hinge (R)	-	4A3690-02	1								
15a	Hex Bolt	5x20 SS (LF)	7B0230520	2								
16	Hinge Guide	-	3A4159-01	2								
17	Front Panel	-	2A3376-01	1								
17a	Truss Head Screw	4x12 SS	7C32-0412	1								
18	Louver (A)	-	1A0547-01	1								
19	Push Retainer	PS125306PG	4A2414-01	3								

Title: A. Ice Cuber Assembly Model: KM-251BAH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				R-0								
20	Insulation/Front Panel	-	4A3706-01	1								
21	Air Filter (A) Large	-	2A2062G01	1								
22	Bushing	OCB-875	428394-04	2								
23	Screw - Ground	4×8	7C32-0408	1								
24	Screw - Ground Pump Motor	4×8	7C32-0408	1								
25	Door Spacer (A)	SS (0.5)mm	4A4124-01	As Required								
26	Door Spacer (B)	SS (0.6)mm	4A4124-02									
27	Door Spacer (C)	SS (0.8)mm	4A4124-03									
28	Door Spacer (D)	SS (1.0)mm	4A4124-04									

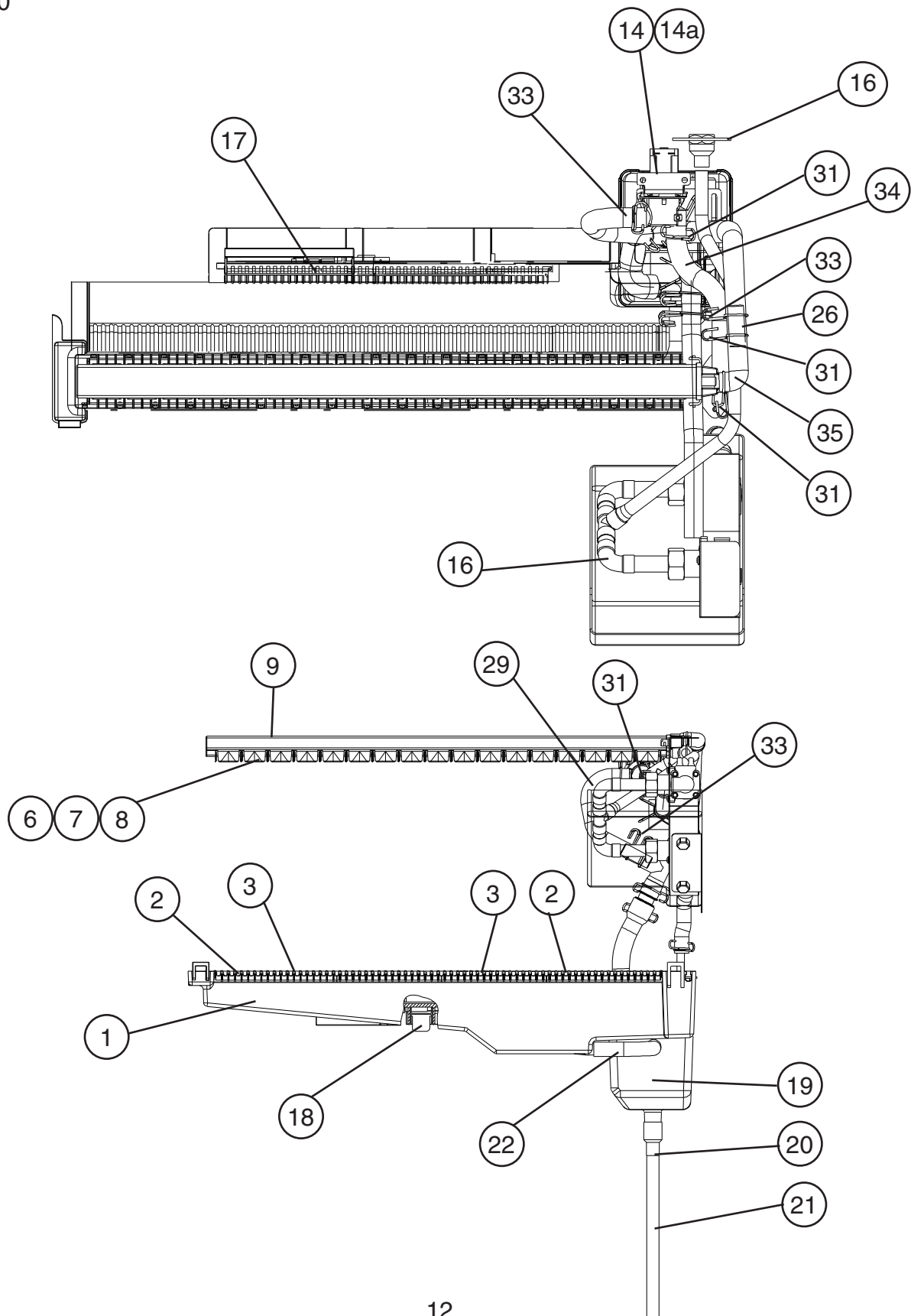
B. Refrigeration Circuit **KM-251BAH** R-0



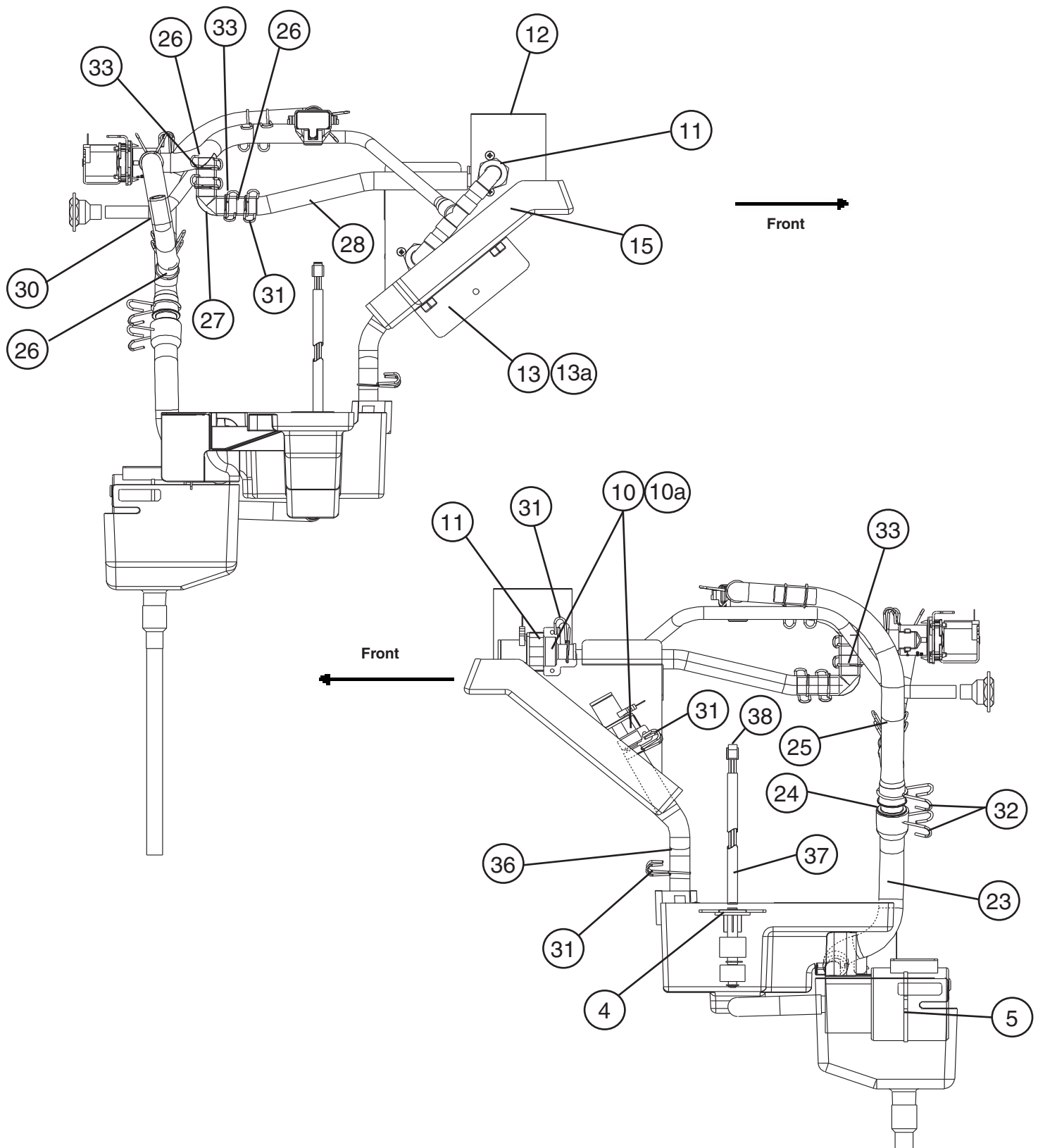
Title: B. Refrigeration Circuit Model: KM-251BAH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				R-0								
1	Evaporator Assembly	-	1A1033G01	1								
2	Base	-	3A3447G02	1								
3	Expansion Valve	-	4A1838-02	1								
4	Expansion Valve Cover	-	4A1168-01	1								
5	Holder Exp. Valve - 3/8	-	3A0107-01	1								
6	Clamp	-	443461-02	1								
7	Fan Motor	-	4A3158-01	1								
7a	Self-Locking Nut	NO.8-32	7N2110832	4								
8	Fan Motor Bracket	-	3A3436-01	1								
8a	Hex Bolt	5x12 SS	7B0230512	4								
9	Fan Blade	-	444898-01	1								
10	Fan Capacitor	5.0MFD, 250V	443192-02	1								
10a	T2 Screw	4x8 SS	7P32-0408	1								
11	Shroud	-	3A3435G02	1								
11a	T2 Screw	4x8 SS	7P32-0408	4								
12	Pressure Switch	-	433441-07	1								
13	Pressure Switch Bracket	GS	434938-01	1								
13a	T2 Screw	4x8 SS	7P32-0408	1								
14	Base/Compressor	-	3A3412G01	1								
14a	T2 Screw	4x8 SS	7P32-0408	2								
15	Clamp/Copper Tube	-	4A3708-01	1								
15a	T2 Screw	4x8 SS	7P32-0408	1								
16	Compressor	SC12MLX	4A3677-01	1								
16a	Rubber Grommet	-	4A1452-01	4								
16b	Sleeve	-	4A1451-01	4								
16c	Washer	-	4A1450-01	4								
16d	Bolt	-	4A1459-01	4								
17	Protector	-	4A3679-01	1								
18	Protector Holder	-	4A3680-01	1								
19	Cover - Compressor	117U1021	4A2141-01	1								
20	Copper Tube-High Side	(includes items: 28, 29, 29a, 30, 31)	2A3381G01	1								
21	Copper Tube-Access Valve	-	3A3403G01	1								
22	Condenser	-	2A3404-01	1								
22a	T2 Screw	4x8 SS	7P32-0408	2								
23	Separator	-	2A3356-02	2								
24	Heat Exchanger	-	2A3388G01	1								
25	Drier	DY-15QHD-5	458776-01	1								
26	Copper Tube (J)-High Side	-	4A3697-01	1								
27	Plate/Inlet Fitting	-	4A3701-01	1								
27a	T2 Screw	4x8 SS	7P32-0408	1								
28	Valve Body (hot gas)	(included in item 20: 2A3381G01)	4A3978-01	1								

Title: B. Refrigeration Circuit Model: KM-251BAH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				R-0								
29	Coil-Valve	(included in item 20: 2A3381G01)	4A3277-01	1								
29a	Bolt	(included in item 20: 2A3381G01)	4A3277F01	1								
29b	Truss Head Screw	4x8 SS	7C32-0408	2								
30	Strainer	(included in item 20: 2A3381G01)	441569-02	1								
31	Access Valve (high side)	(included in item 20: 2A3381G01)	457729-01	1								
32	Thermistor	-	429006-03	1								
33	Holder-Thermistor	COP	436455-01	1								
34	Insulation-Thermistor	-	427441-01	1								
35	Insulation Tubing	L=255	7762-1020	1								
36	Insulation Tubing	L=285	7762-2030	1								
37	Connection Tee Cover	-	4A1379-01	1								
38	Nylon Tie	PLT2S-M	8911-0200	6								

C. Water Circuit
KM-251BAH
1/2
R-0



C. Water Circuit
KM-251BAH
2/2
R-0

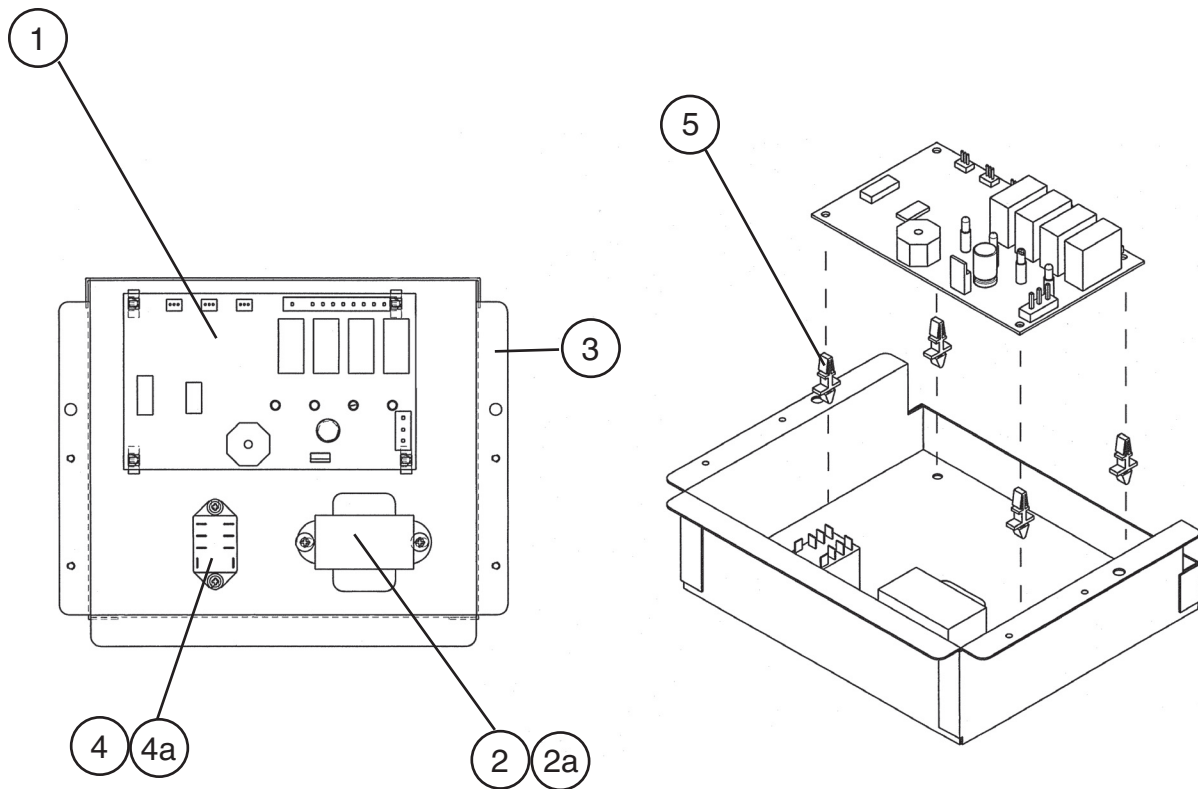


Title: C. Water Circuit Model: KM-251BAH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				R-0								
1	Water Tank	-	1A1023-01	1								
2	Cube Guide (A)	-	2A3362-01	2								
3	Cube Guide (B)	-	2A3363-01	2								
4	Float Switch	-	435490-02	1								
5	Pump Motor	-	463998-01	1								
6	Spray Guide (A)	5 cups	208586-01	2								
7	Spray Guide (C)	4 cups	208586-03	1								
8	Spray Guide (D)	3 cups	208586-04	1								
9	Spray Tube	-	4A3715G01	1								
10	Water Valve		3U0152-01	2								
10a	Truss Head Screw	4x8 SS	7C32-0408	4								
11	Rubber Gasket	-	413854-03	2								
12	Bracket/Water Valve	-	3A3409-01	1								
13	Bracket/Water Pan	-	4A3710-01	1								
13a	Thumbscrew	-	415949G10	2								
14	Solenoid Valve	Wash	4A3722-01	1								
14a	Truss Head Screw	4x12	7P32-0412	2								
15	Water Pan	-	3A3396-01	1								
16	Water Supply Pipe	Mounting screws found in A. Ice Cuber Assembly Item C2	2A3370G01	1								
17	Detector Assembly (bin control)	-	3A3993G01	1								
18	Switch Housing	-	4A3755-01	1								
19	Drain Pan	-	3A3388-01	1								
20	Drain Tube	-	4H2585-01	1								
21	Frame - Pipe	-	4X8068-01	1								
22	Suction Hose	-	4A3685-01	1								
23	Discharge Hose (A)	-	3A3393-01	1								
24	Joint Pipe	ABS White	4A3686-02	1								
25	Discharge Hose (B)	-	3A3394-01	1								
26	Joint Pipe	13 MM ID	439329-01	4								
27	Elbow	EPDM/(Black)	433467-01	1								
28	Vinyl Hose	L=250	7716-1519	1								
29	Vinyl Hose	L=250	7716-1519	2								
30	Vinyl Hose	L=190	7725-0912	1								
31	Hose Clamp	18 MM SS	427443-05	8								
32	Hose Clamp	25 MM SS	427443-03	2								
33	Hose Clamp	20 MM SS	427443-06	6								
34	Water Supply Hose	-	3A3395-01	1								
35	Elbow	-	4A3687-01	1								
36	Vinyl Hose	L=130	7716-1519	1								
37	Silicone Hose	L=750	7730-0810	1								
38	Connector - JST Connector	Black	4A2518-03	1								

D. Control Box Assembly

KM-251BAH

R-0

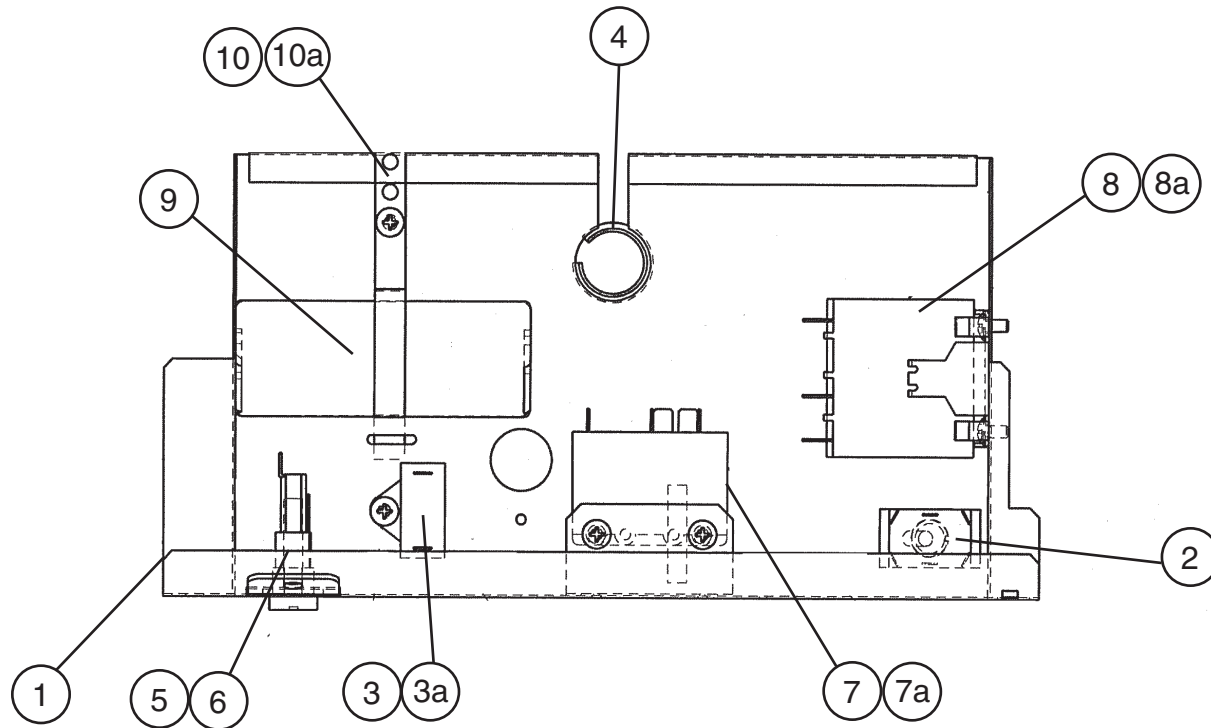


Title: D. Control Box Assembly Model: KM-251BAH												
Index No.	Description	Material or Model Number	Part Number	R-0	Required Number							
1	Control Board	-	2A3792-01	1								
2	Transformer	26D285H	3A0172-01	1								
2a	T2 Screw	4x8 Zinc	7P31-0408	2								
3	Control Board Box	GS	3A3411-01	1								
4	Relay (Fan)	LY2F AC 120V	406132-07	1								
4a	Tapping Screw	-	431415-01	2								
5	Board Support	CBLS37-M	4A0336-03	4								

E. Electrical Box Assembly

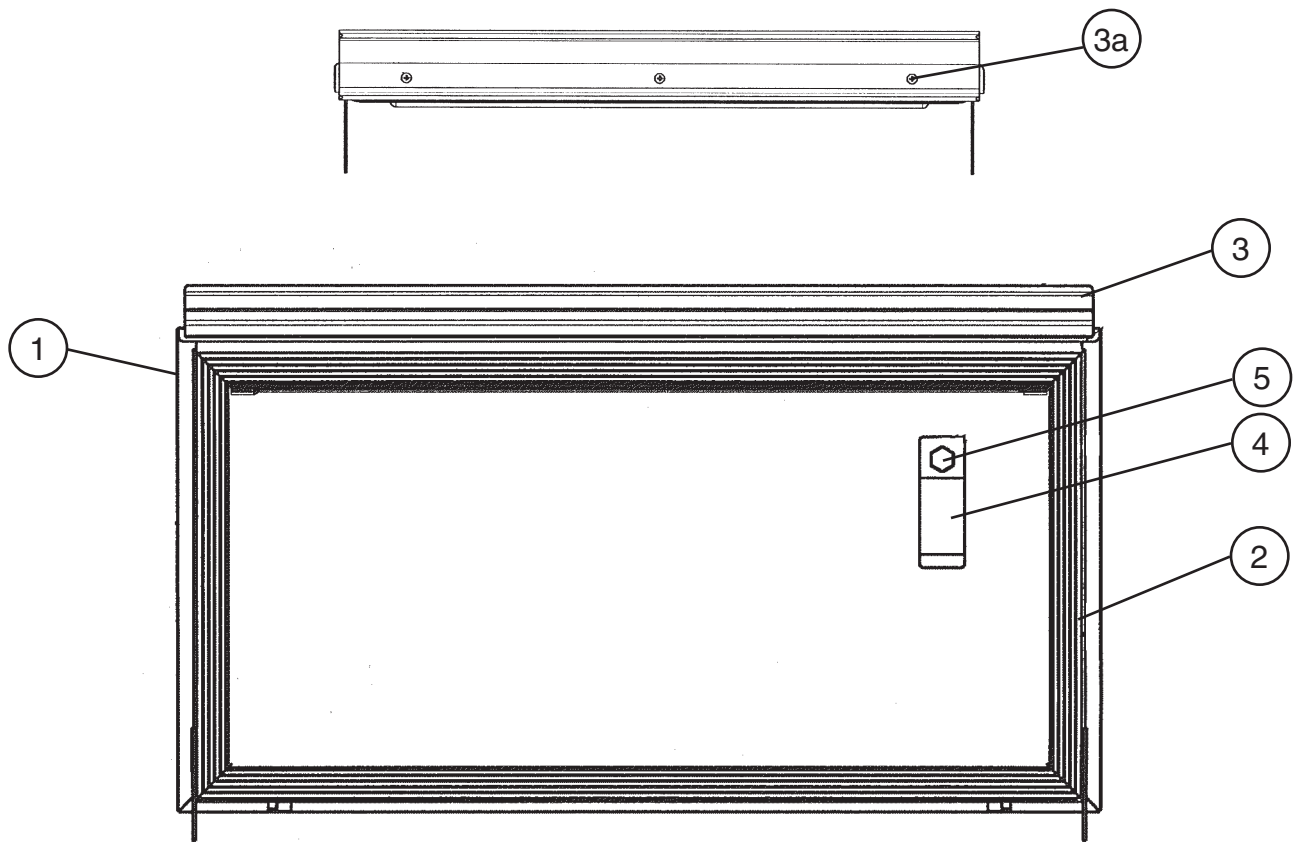
KM-251BAH

R-0



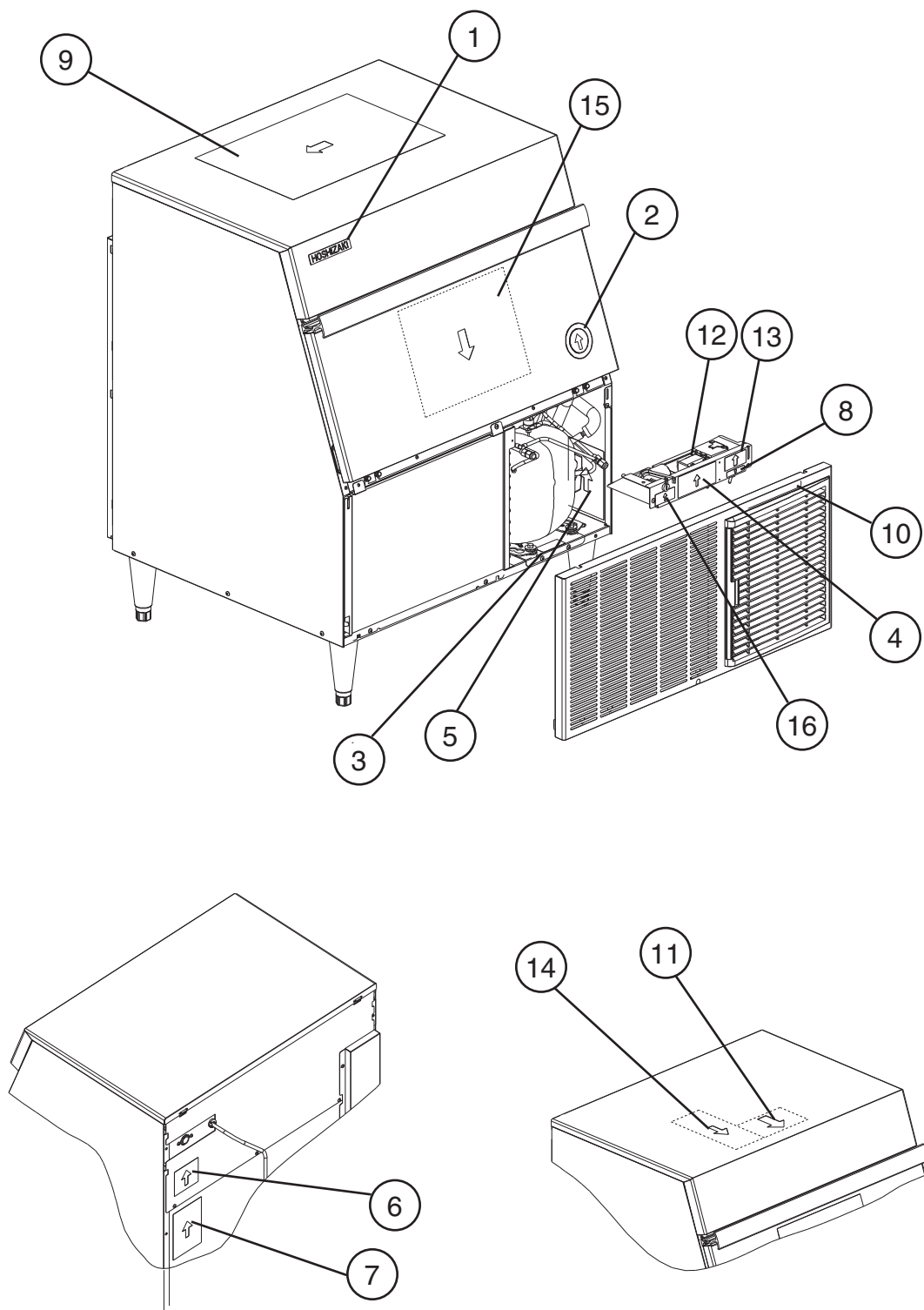
Title: E. Electrical Box Assembly Model: KM-251BAH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				R-0								
1	Electrical Box	GS	4A3705G01	1								
2	Toggle Switch	(Eaton 8966k84)	443119-01	1								
3	Capacitor (Pump)	-	463047-01	1								
3a	T2 Screw	4x10 ZN	7P31-0410	1								
4	Bushing	OCB-1000	428394-05	1								
5	Fuse Holder	HTB92I 1/4x1-1/4	4A0892-01	1								
6	Fuse	AGC 10	4A0893-07	2								
7	Starting Relay	117-7441	4A3683-01	1								
7a	T2 Screw	4x8 ZN	7P31-0408	2								
8	Magnetic Contactor		428393-01	1								
8a	T2 Screw	4x8 ZN	7P31-0408	2								
9	Starting Capacitor	117U5042	4A3977-01	1								
10	Strap	GS	4A2262-01	1								
10a	T2 Screw	4x8 ZN	7P31-0408	1								

F. Door Assembly
KM-251BAH
R-0



Title: F. Door Assembly Model: KM-251BAH												
Index No.	Description	Material or Model Number	Part Number	R-0	Required Number							
1	Door	-	2A3366G02	1								
2	Gasket	-	3A3391-02	1								
3	Handle	-	2A3361-02	1								
3a	T2 Screw	4x8 SS	7P32-0408	3								
4	Hook/Slope	-	4A3700-01	1								
5	Thumbscrew	-	415949G10	1								

G. Label Location
KM-251BAH
R-0



Title: G. Label Location Model: KM-251BAH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				R-0								
1	Label - Emblem	-	4A0560-01	1								
2	Label-Penguin-HA (L)	-	4A0526-02	1								
3	Label - R404A	-	4A0960-01	1								
4	Caution Label (F)	-	439146-01	1								
5	Rating Label	-	2A3383-01	1								
6	Instruction Label	-	444575-01	1								
7	Nameplate	-	2A3382-01	1								
8	Control Label	-	463253-01	1								
9	Instruction Sheet	-	2A3386-01	1								
10	Label - Air Filter	-	426177-01	1								
11	Wiring Label	-	3A3443-01	1								
12	Caution Label (G)	-	439147-01	1								
13	Label-Caution	-	456247-01	1								
14	Label-Control Board	-	3A3444-01	1								
15	Maintenance Label	-	2A3387-01	1								
16	Label-Fuse	-	4A2817-01	1								

H. Accessories and Packaging

KM-251BAH

R-0

Title: H. Accessories and Packaging Model: KM-251BAH												
Index No.	Description	Material or Model Number	Part Number	Required Number								
				R-0								
1	Instruction Manual	-	91A1AR10B	1								
2	Ice Scoop	-	443495-01	1								
3	Leg	-	4A2525-01	4								
Packaging:												
			2A3375A01									
1	Tray Assembly - Top	-	1A1222G03	1								
2	Tray Assembly - Bottom	-	1A1223G03	1								
3	Pallet	-	2A3684-03	1								
4	Carton	-	2A3862-28	1								
5	Plastic Support	-	2A3865-09	4								
6	Top Pad	-	3A4033-02	1								
7	Corner Post	-	3A4040-05	4								
8	Label Stock	-	4A2999-01	4								