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SELF-CONTAINED CUBER

**IM-45CNE**  
**IM-45CNS**

# **PARTS LIST**

[KOREA] [HID] [HTH] [HS] [HMY] [HVN] [HPH]

M146,M146-C002,-C003,-C121,-C122,-C162,-C471

P-1 AUG. 2024

M146-5584(0525)

## List of Specifications

IM-45CNE	M146	Standard
IM-45CNS	M146-C002	FOR HID
	M146-C003	FOR HTH
	M146-C121	FOR HS
	M146-C122	FOR HMY
	M146-C162	FOR HPH
	M146-C471	FOR HVN

## Auxiliary Codes

### 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

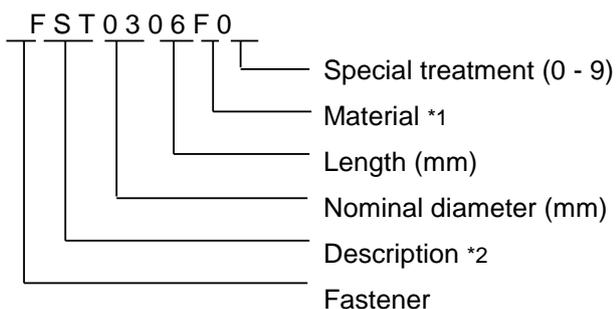
Most assemblies cannot be ordered as complete units; parts in the assemblies generally must be ordered separately.

## MARKS LOCATED UNDER THE AUXILIARY CODE

- = Part deleted.

## FASTENER PART NUMBER

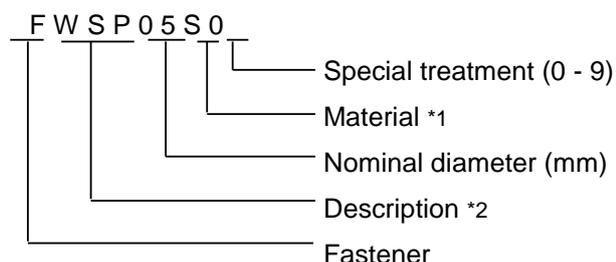
### SCREWS



\*1

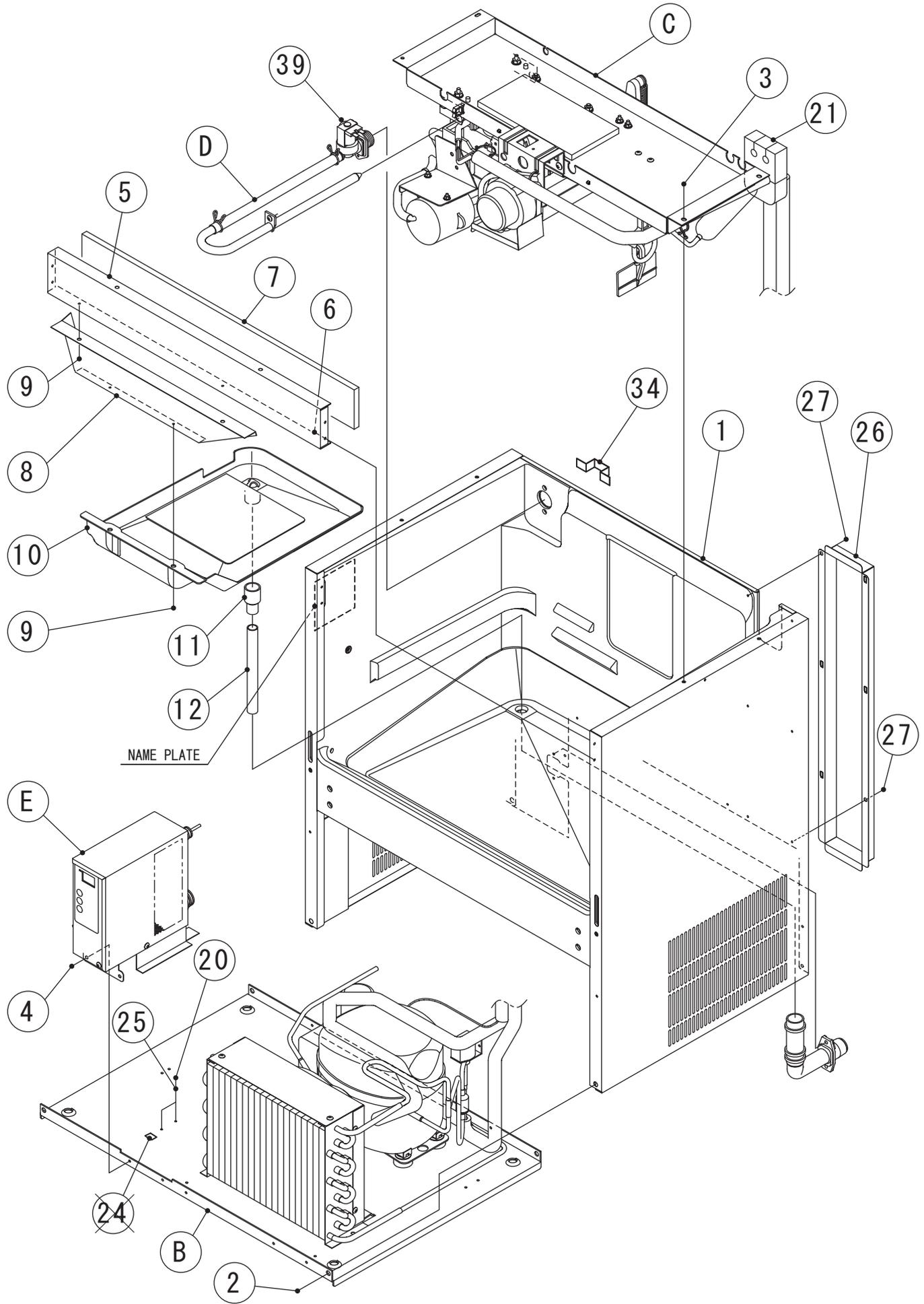
F: Steel  
S: Austenitic stainless steel  
M: Martensitic stainless steel  
B: Copper alloy  
P: Polycarbonate  
N: Polyamide  
V: PVC  
A: ABS  
X: Polyacetal  
L: Aluminum

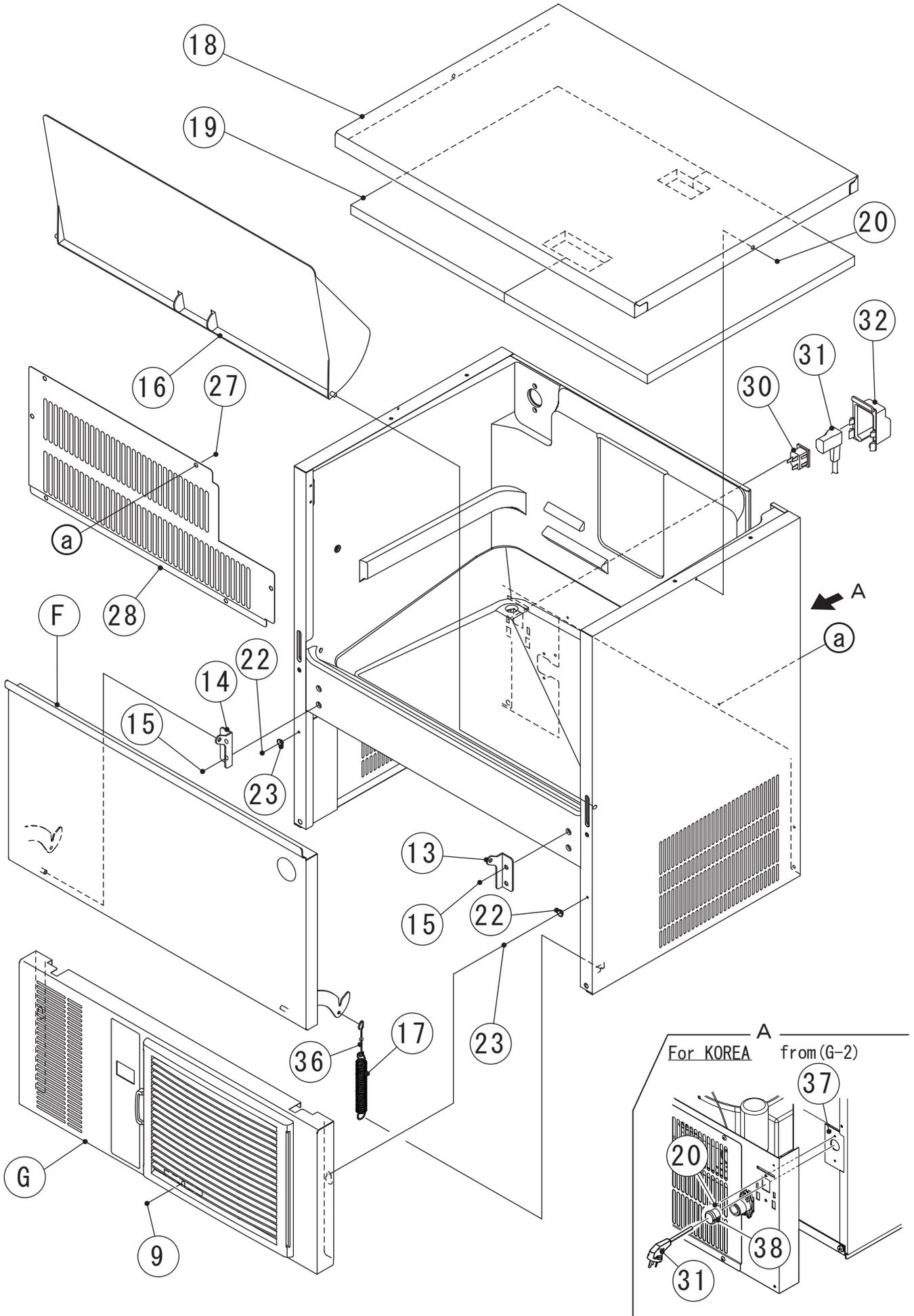
### NUTS & WASHERS



\*2

First letter  
S: Machine screw  
T: Tapping screw  
M: Wood screw  
B: Bolt  
W: Washer  
N: Nut





MODEL: **IM-45CNE**  
**IM-45CNS**

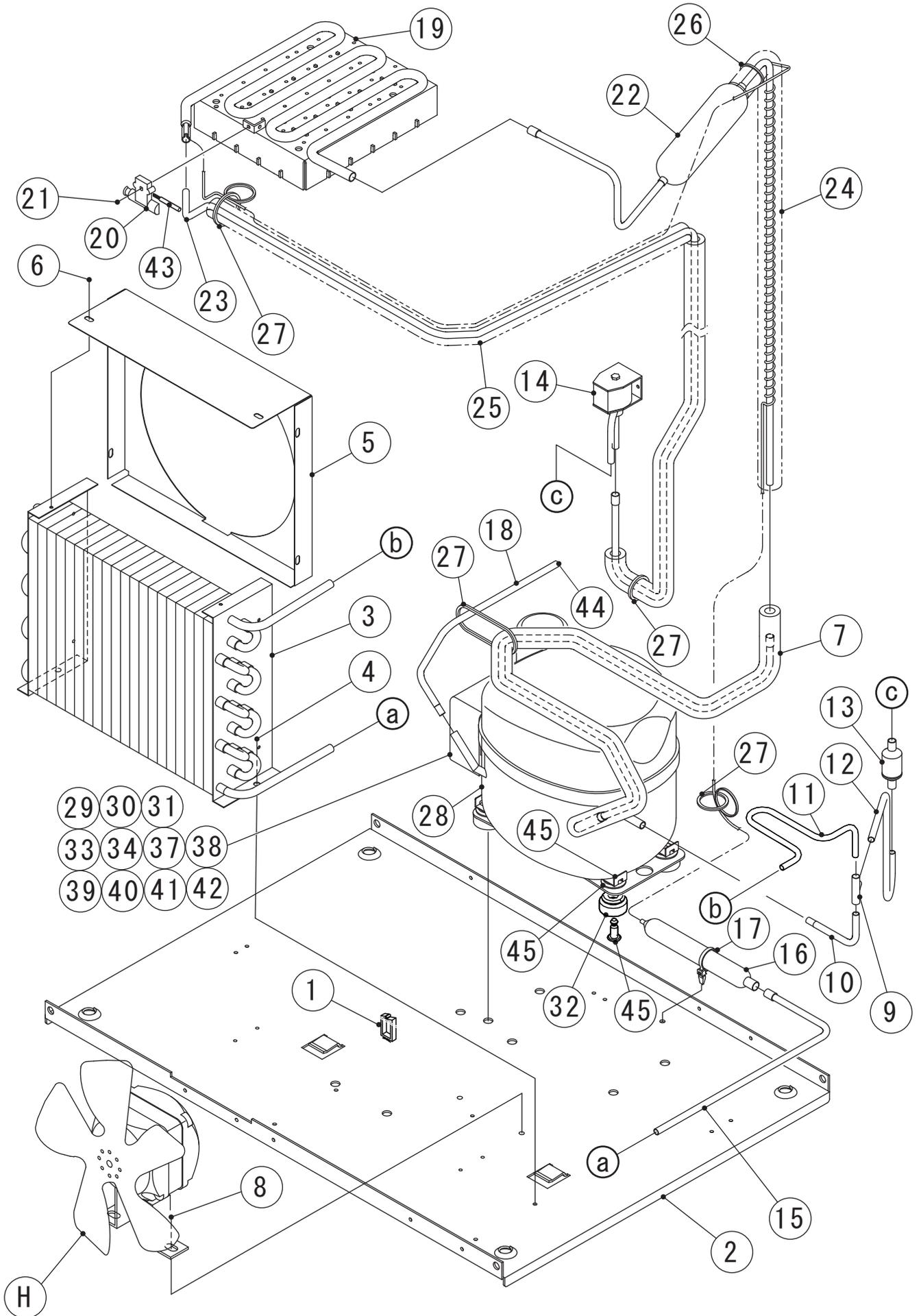
TITLE: **A.ICE CUBER ASSY**

INDEX NO.	DESCRIPTION	MATERIAL OR MODEL NUMBER	PART NUMBER	REQ'D NUMBER				
				P-1				
B	REFRIGERATION ASSY	M146	1H5999008	1				
		M146-C002,M146-C003 M146-C121,M146-C122 M146-C471	1H5999009	1				
		M146-C162	1H5999010	1				
C	ICE MAKING MECHANISM ASSY		1C0971A01	1				
D	WATER CIRCUIT ASSY		3Y5610002	1				
		M146-C121	3Y5610001	1				
E	CONTROL BOX ASSY		2C1000A01	1				
F	DOOR ASSY	M146,M146-C162	3Y5644A01	1				
		M146-C002	3Y5644005	1				
		M146-C003,M146-C121 M146-C122,M146-C471	3Y5644006	1				
G	FRONT PANEL	M146	3Y5645G01	1				
		M146-C002,M146-C003 M146-C121,M146-C122 M146-C162,M146-C471	3C1484G01	1				
M	ACCESSORIES	M146	A04372-01	1				
		M146-C002,M146-C003 M146-C121,M146-C122 M146-C471	A04372005	1				
		M146-C162	A04372002	1				
1	UNIT FRAME	M146	1C0845G01	1				
		M146-C002,M146-C003 M146-C121,M146-C122 M146-C162,M146-C471	1C0845001	1				
2	TAPPING SCREW - HEX	M146	442040-01	4				
	HEX. TAPPING SCREW W - FLANGE	M146-C002,M146-C003 M146-C121,M146-C122 M146-C162,M146-C471	P01572-01	4				
3	TRUSS HEAD MACHINE SCREW		FST0412S0	4				
4	FLANGE BOLT (C-TITE)		FTR0408M0	2				
5	FRONT FRAME		3X6086-02	1				
6	POP RIVET		7170-0006	4				
7	INSULATION - FRONT FRAME		4Y1924-01	1				
8	FRONT FRAME(LO)		2H4624-01	1				
9	TRUSS HEAD TAPPING SCREW (S-TITE)		FTS0408M0	5				
10	DRAIN PAN		2H1440-01	1				
11	DRAIN HOSE		4Z0986R01	1				
12	DRAIN PIPE		4Y7493P04	1				

MODEL: **IM-45CNE**  
**IM-45CNS**

TITLE: **A.ICE CUBER ASSY**

INDEX NO.	DESCRIPTION	MATERIAL OR MODEL NUMBER	PART NUMBER	REQ'D NUMBER				
				P-1				
13	HINGE (RIGHT)		4H2583-01	1				
14	HINGE (LEFT)		4H2584-01	1				
15	HEX HEAD BOLT (SPRING WASHER AND FLAT WASHER)		FBK0620S0	4				
16	SLOPE		2H1349-02	1				
17	SPRING		4Y9336M01	1				
18	TOP PANEL		2X0652M01	1				
19	INSULATION - TOP		3Y5961P02	1				
20	TRUSS HEAD MACHINE SCREW		FST0408S0	4				
21	INSULATION - BIN		4Y7416P01	1				
22	TAPER COLLAR		4H0171-01	2				
23	RIVET		7170-0002	4				
		M146-C121		2				
25	SPRING WASHER		FWSP04S0	2				
26	COVER - PIPE		3Y5868M01	1				
27	TRUSS HEAD TAPPING SCREW T2		FT20408F0	12				
28	REAR COVER		3Y5855M01	1				
30	CONNECTOR	M146-C002,M146-C003 M146-C121,M146-C122 M146-C162,M146-C471	P02656-01	1				
31	POWER SUPPLY CORD	EU-PLUG(10A)M146	P04435-01	1				
		M146-C002	P02794-01	1				
		M146-C003	P03994-01	1				
		M146-C121,M146-C122	P02795-01	1				
		M146-C471	C06074-01	1				
		M146-C162	C06039-01	1				
32	COVER - CONNECTOR		2X0271P01	-				
34	CAUTION - LABEL		452552-01	1				
36	HOOK-SPRING		4Y9337M01	1				
37	BRACKET - POWER CORD	M146	483273M01	1				
38	BUSHING	M146	420472-02	1				
39	COVER-WATER VALVE		3Y6277M01	1				



MODEL: **IM-45CNE**  
**IM-45CNS**

TITLE: **B.REFRIGERATION ASSY**

INDEX NO.	DESCRIPTION	MATERIAL OR MODEL NUMBER	PART NUMBER	REQ'D NUMBER				
				P-1				
H	FAN MOTOR ASSY		3E0059A01	1				
1	WIRE SADDLE		428060-02	1				
2	BASE	M146	1C0767M01	1				
		M146-C002,M146-C003	1C1016M01	1				
		M146-C121,M146-C122 M146-C162,M146-C471						
3	CONDENCER		P03372-01	1				
4	FLANGE BOLT (C-TITE)		FTR0408M0	2				
5	SHROUD		3Y5606M01	1				
6	TRUSS HEAD TAPPING SCREW T2		FT20408F0	6				
7	PIPE(A) - LOW SIDE		3Y5607G01	1				
8	HEX HEAD BOLT (SPRING WASHER AND FLAT WASHER)		FBK0612F0	2				
9	TEE		417394-01	1				
10	PIPE(A) - HIGH SIDE		4Y7160M01	1				
11	PIPE(B) - HIGH SIDE		4Y7161M01	1				
12	PIPE(A) - HOT		4Y7162M01	1				
13	STRAINER		P00008-01	1				
14	HOT GAS VALVE		P02539-01	1				
15	PIPE(C) - HIGH SIDE		4Y7163M01	1				
16	DRIER		P03584-01	1				
17	CABLE TIE		P05042-01	2				
18	PROSESS PIPE		4Y7164M01	1				
19	EVAPORATOR		3E0047G01	1				
20	HOLDER - THERMISTOR		315479-01	1				
21	TRUSS HEAD TAPPING SCREW (S-TITE)		FTS0408M0	1				
22	HEAT EXCHANGER		4X5640G01	1				
23	PIPE(B) - HOT		3Y5859G01	1				
		M146-C002,M146-C003	3C1140G01	1				
		M146-C121,M146-C122 M146-C162, M146-C471						
24	INSULATION TUBE - FSA		H71224420	1				
25	INSULATION TUBE (FOOD SANITATION LAW)		H81020650	1				
26	NYLON TIE	CV-100	7920-0002	1				
27	NYLON TIE	CV-100	7920-0002	4				

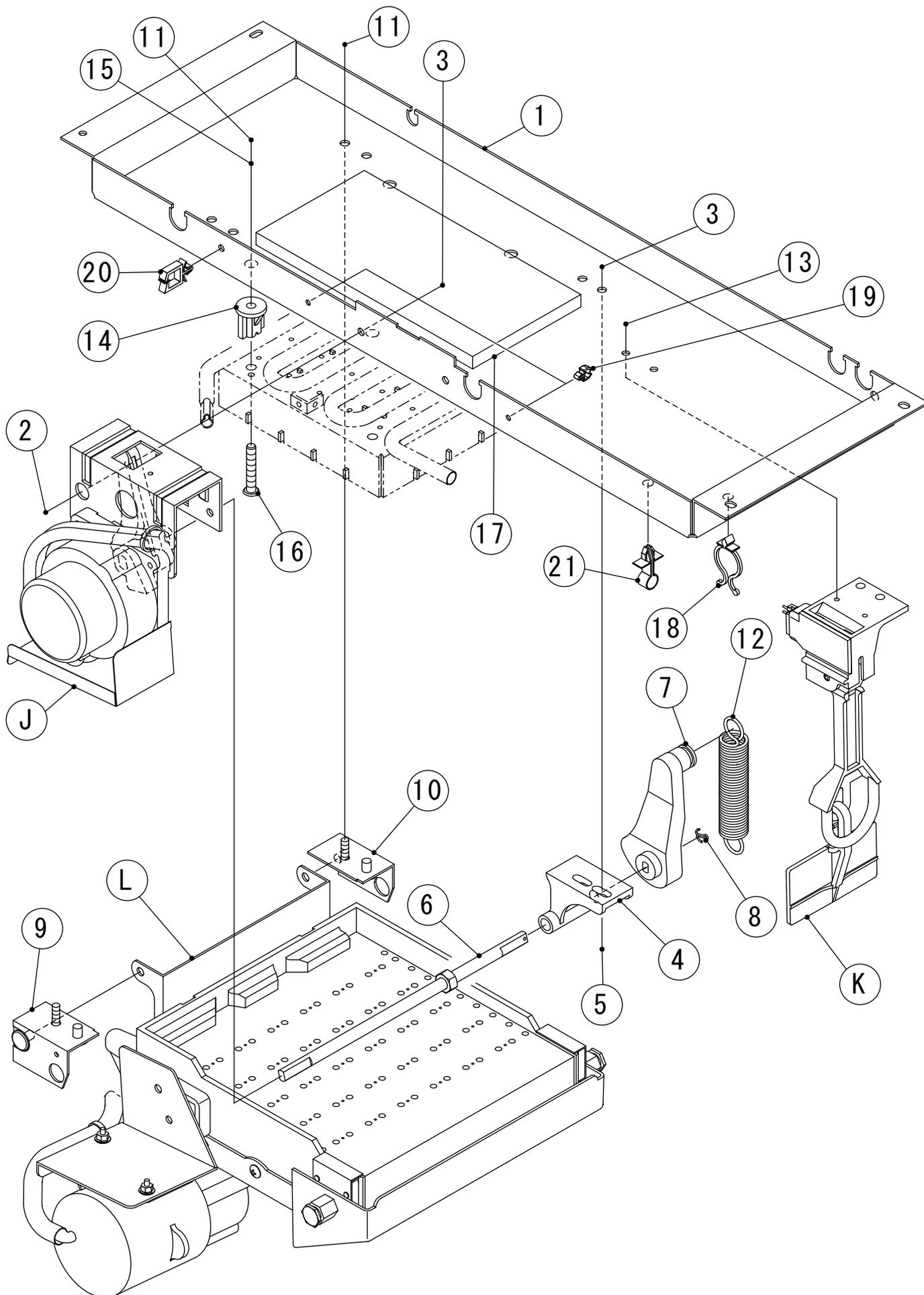
MODEL: **IM-45CNE**  
**IM-45CNS**

TITLE: **B.REFRIGERATION ASSY**

INDEX NO.	DESCRIPTION	MATERIAL OR MODEL NUMBER	PART NUMBER	REQ'D NUMBER				
				P-1				
28	COMPRESSOR	M146,M146-C162	P02617-01	1				
		M146-C002,M146-C003 M146-C121,M146-C122 M146-C471	P02286-01	1				
29	PIN	M146-C002,M146-C003 M146-C121,M146-C122 M146-C162,M146-C471	P02605-01	4				
30	WASHER	M146-C002,M146-C003 M146-C121,M146-C122 M146-C162,M146-C471	P02606-01	4				
31	CLAMP	M146-C002,M146-C003 M146-C121,M146-C122 M146-C162,M146-C471	P02607-01	4				
32	RUBBER GROMMET		P02608-01	4				
33	HERMETIC TERMINAL COVER		P03143-01	1				
34	SCREW		P00840-01	2				
36	START CAPACITOR		P02611-01	1				
		M146-C002,M146-C003 M146-C121,M146-C122 M146-C471	P02620-01	1				
37	TERMINAL BOARD		P02612-01	1				
38	STARTING RELAY		P02619-01	1				
		M146-C002,M146-C003 M146-C121,M146-C122 M146-C471	P02613-01	1				
39	MOTER PROTECTOR		P02614-01	1				
		M146-C002,M146-C003 M146-C121,M146-C122 M146-C471	P02618-01	1				
40	PROTECTOR RETAINER		P02815-01	1				
41	SELF TAPPING SCREW M4-11		P02615-01	1				
42	SELF TAPPING SCR W M4-21		P02616-01	1				
43	THERMISTOR - CUBE CONTROL		P00350-01	-				
44	LOCKRING STOPPER		P01677-01	1				
45	BOLT		C05825-01	4				

IM-45CNE  
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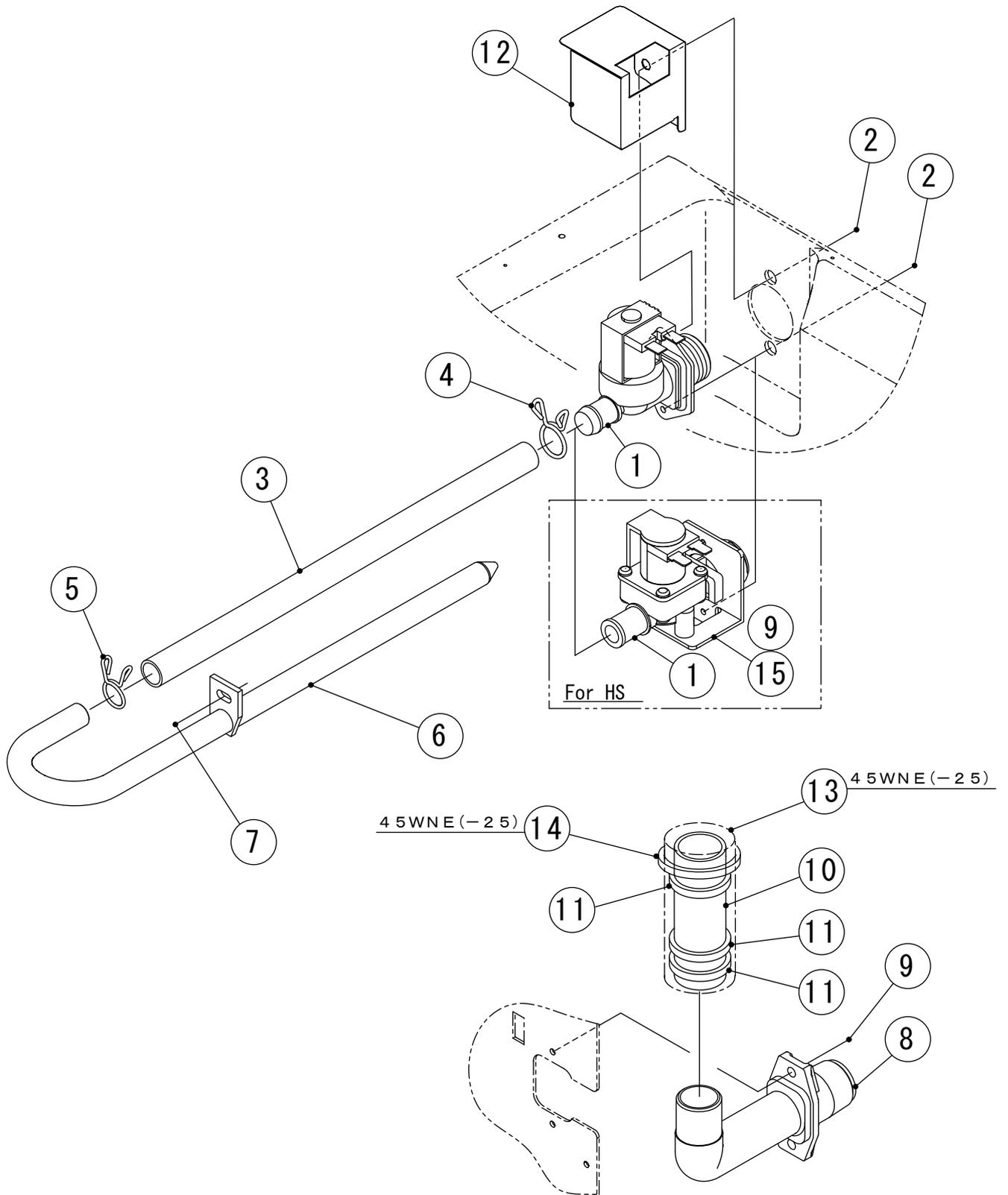
C. ICE MAKING MECHANISM ASSY (P-1) and later



MODEL: **IM-45CNE**  
**IM-45CNS**

TITLE: **C.ICE MAKING MECHANISM ASSY**

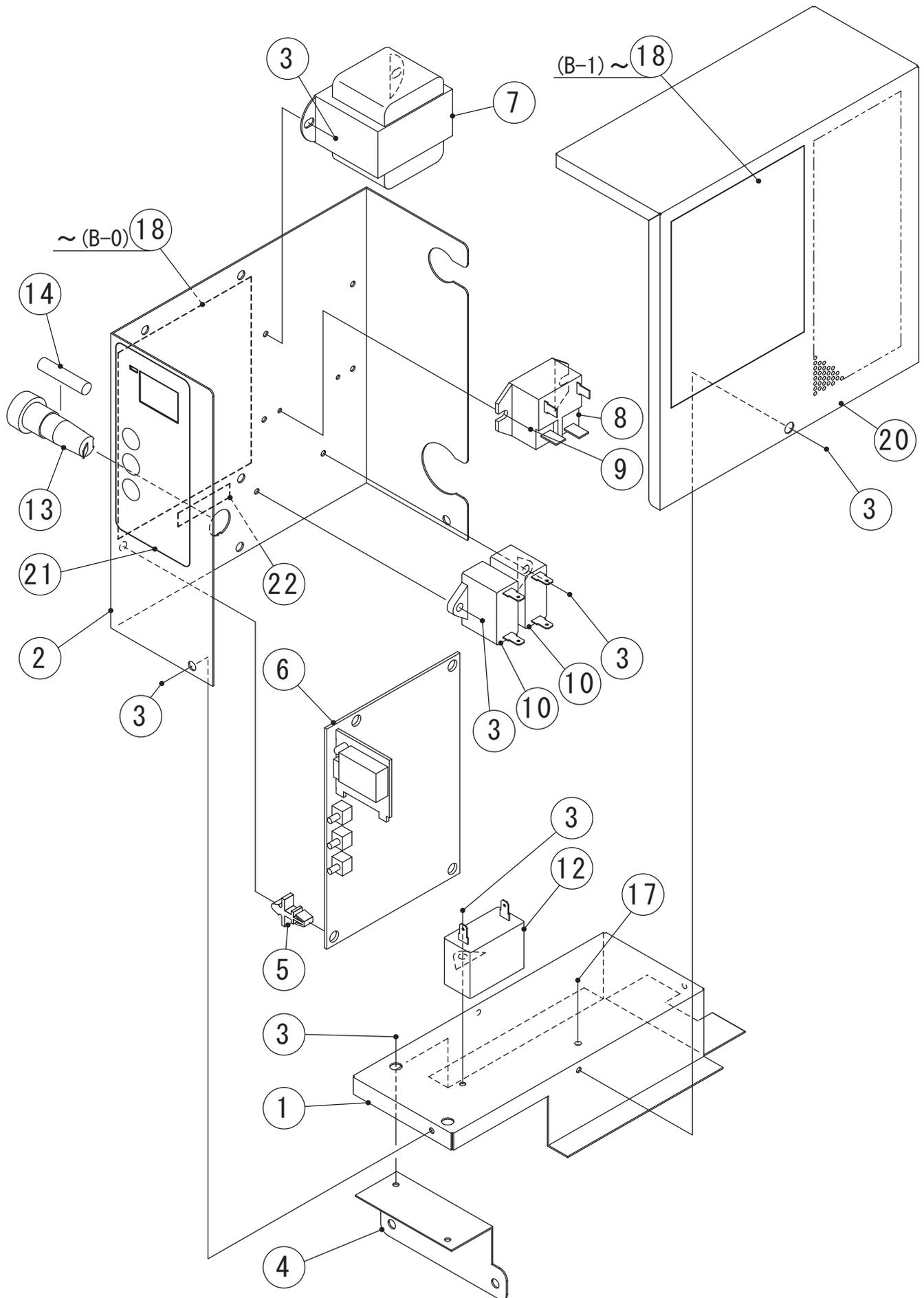
INDEX NO.	DESCRIPTION	MATERIAL OR MODEL NUMBER	PART NUMBER	REQ'D NUMBER				
				P-1				
J	ACTUATOR MOTOR ASSY		3Y8837A01	1				
K	BIN SWITCH ASSY		3H1537A08	1				
L	WATER PAN ASSY		2X0437A02	1				
1	BRACKET - ICE MAKING MECHANISM		2X0468M01	1				
2	TRUSS HEAD MACHINE SCREW		FST0512S0	2				
3	FLANGE NUT		FNHF05S0	4				
4	CAM SHAFT BEARING		307256-02	1				
5	HEX HEAD BOLT (SPRING WASHER AND FLAT WASHER)		FBK0516S0	2				
6	CAM SHAFT		4H2589G01	1				
7	CAM (B)		3H1389-01	1				
8	COTTER PIN		711S-0212	1				
9	BEARING (FRONT) - WATER PAN		4H2591G02	1				
10	BEARING (REAR) - WATER PAN		4H2592G02	1				
11	FLANGE NUT		FNHF06S0	6				
12	SPRING		4H2640-01	1				
13	TRUSS HEAD TAPPING SCREW T2		FT20410M0	2				
14	SPACER		4H0471-01	4				
15	WASHER		4H0777-01	4				
16	SCREW EVAPORATOR		4Y4922M02	4				
17	INSULATION (D)		4Y7347P01	1				
18	CLAMP		P04381-01	1				
19	CLAMP		426197-01	2				
20	WIRE SADDLE		428060-02	1				
21	CLAMP		428644-02	1				



MODEL: **IM-45CNE**  
**IM-45CNS**

TITLE: **D.WATER CIRCUIT ASSY**

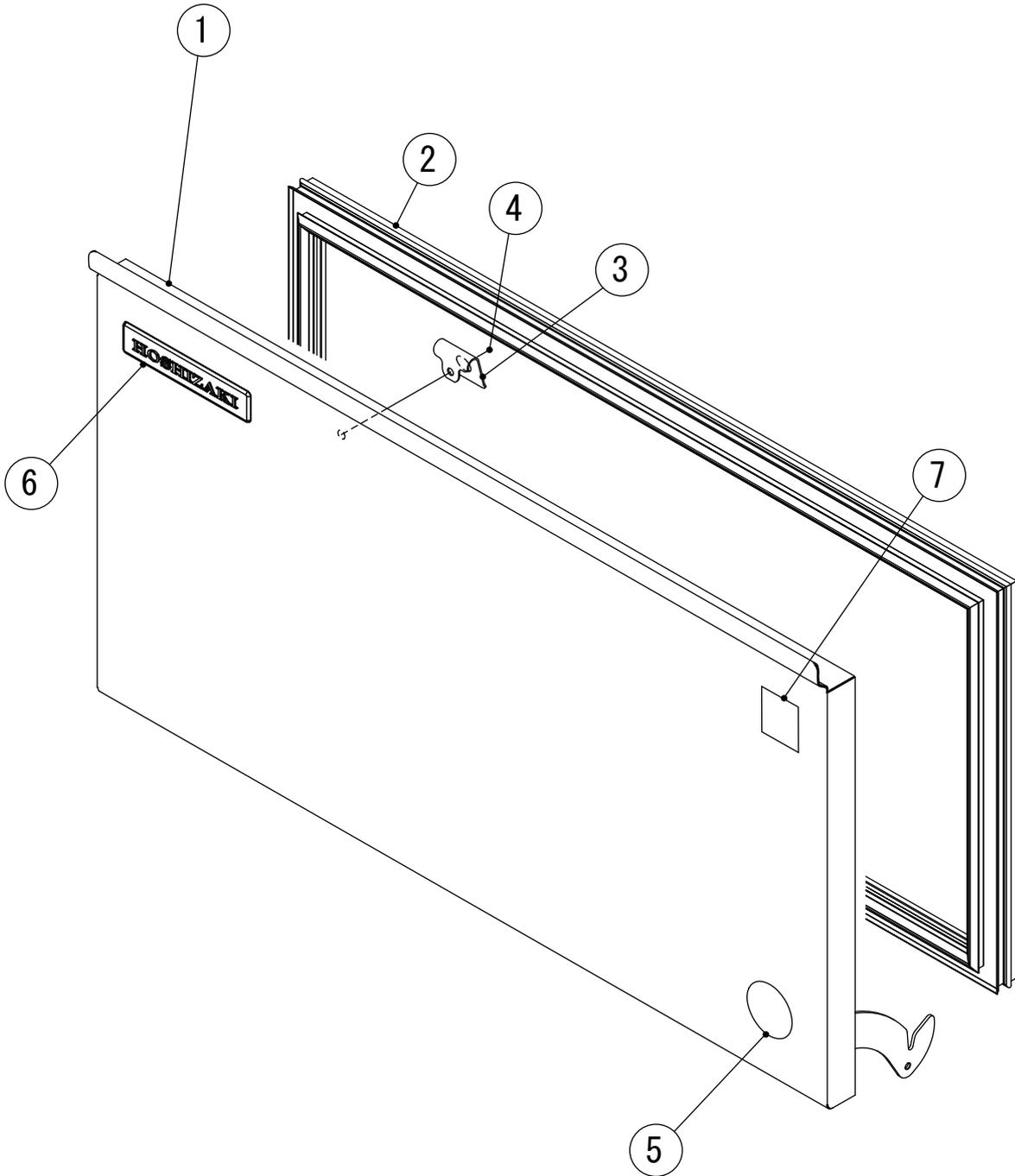
INDEX NO.	DESCRIPTION	MATERIAL OR MODEL NUMBER	PART NUMBER	REQ'D NUMBER				
				P-1				
1	WATER VALVE		P02056-01	1				
		M146-C121	P04823-01	1				
2	HEX HEAD SCREW		FBX0408S0	2				
3	SILICONE HOSE		4Y6912R03	1				
4	HOSE CLAMP		435934-03	1				
5	HOSE CLAMP		435934-02	1				
6	WATER SUPPLY PIPE		3H9530G01	1				
7	TRUSS HEAD MACHINE SCREW		FST0408S0	1				
8	DRAIN PIPE		3H0394-01	1				
9	TRUSS HEAD TAPPING SCREW T2		FT20408S0	4				
10	PVC HOSE		HD2226080	1				
11	TIE	CV-150	7920-0003	1				
12	COVER-WATER VALVE		3Y6277M01	-				
13	INSULATION TUBE		H72949080	1				
14	TIE	CV-200	7920-0010	1				
15	BRACKET (S) - WV		4E0091M01	1				



MODEL: **IM-45CNE**  
**IM-45CNS**

TITLE: **E.CONTROL BOX ASSY**

INDEX NO.	DESCRIPTION	MATERIAL OR MODEL NUMBER	PART NUMBER	REQ'D NUMBER				
				P-1				
1	CONTROL BOX (A)		3Y5611M01	1				
2	CONTROL BOX(B)		2X1216M01	1				
3	TRUSS HEAD TAPPING SCREW T2		FT20410F0	11				
4	PLATE - BOX		4Y7215M01	1				
5	BOARD SUPPORT		P04204-01	4				
6	CONTROLLER BOARD		P01873-02	1				
7	TRANSFORMER		P02714-01	1				
8	POWER RELAY		P02203-02	1				
9	TAPPING SCREW T2		431415-01	2				
10	CAPACITOR		P01870-01	2				
12	CAPACITOR		P02158-01	1				
13	FUSE HOLDER		P02829-01	1				
14	FUSE		P04203-01	1				
17	TRUSS HEAD MACHINE SCREW		FST0408S0	1				
18	WIRING LABEL		3C0857L01	1				
20	CONTROL BOX COVER		3Y5612M01	1				
21	CONTROL LABEL		481284L01	1				
22	LABEL - FUSE		466798-01	1				



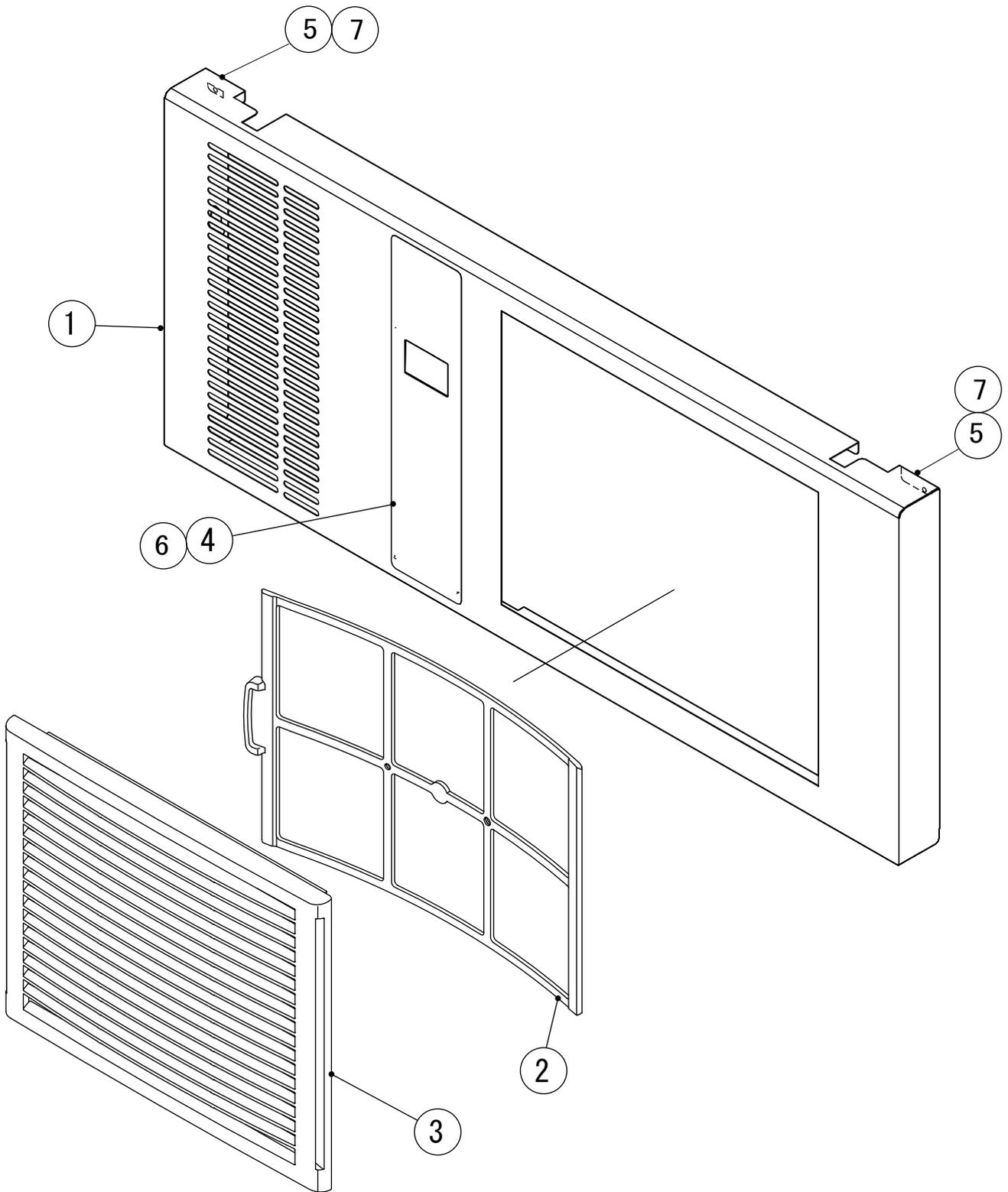
MODEL: **IM-45CNE**  
**IM-45CNS**

TITLE: **F.DOOR ASSY**

INDEX NO.	DESCRIPTION	MATERIAL OR MODEL NUMBER	PART NUMBER	REQ'D NUMBER				
				P-1				
1	DOOR - INSULATION	M146,M146-C162	2X0466G01	1				
		M146-C002	2X0466003	1				
		M146-C003,M146-C121 M142-C122,M146-C471	2X0466004	1				
2	DOOR GASKET		3Y8291P03	1				
3	CATCH - SLOPE		4X7644-01	1				
4	TRUSS HEAD TAPPING SCREW T2		FT20408S0	1				
5	LABEL - PENGUIN		468184-01	-				
6	EMBLEM		340842-01	-				
7	LABEL - HACCP		476519L01	-				

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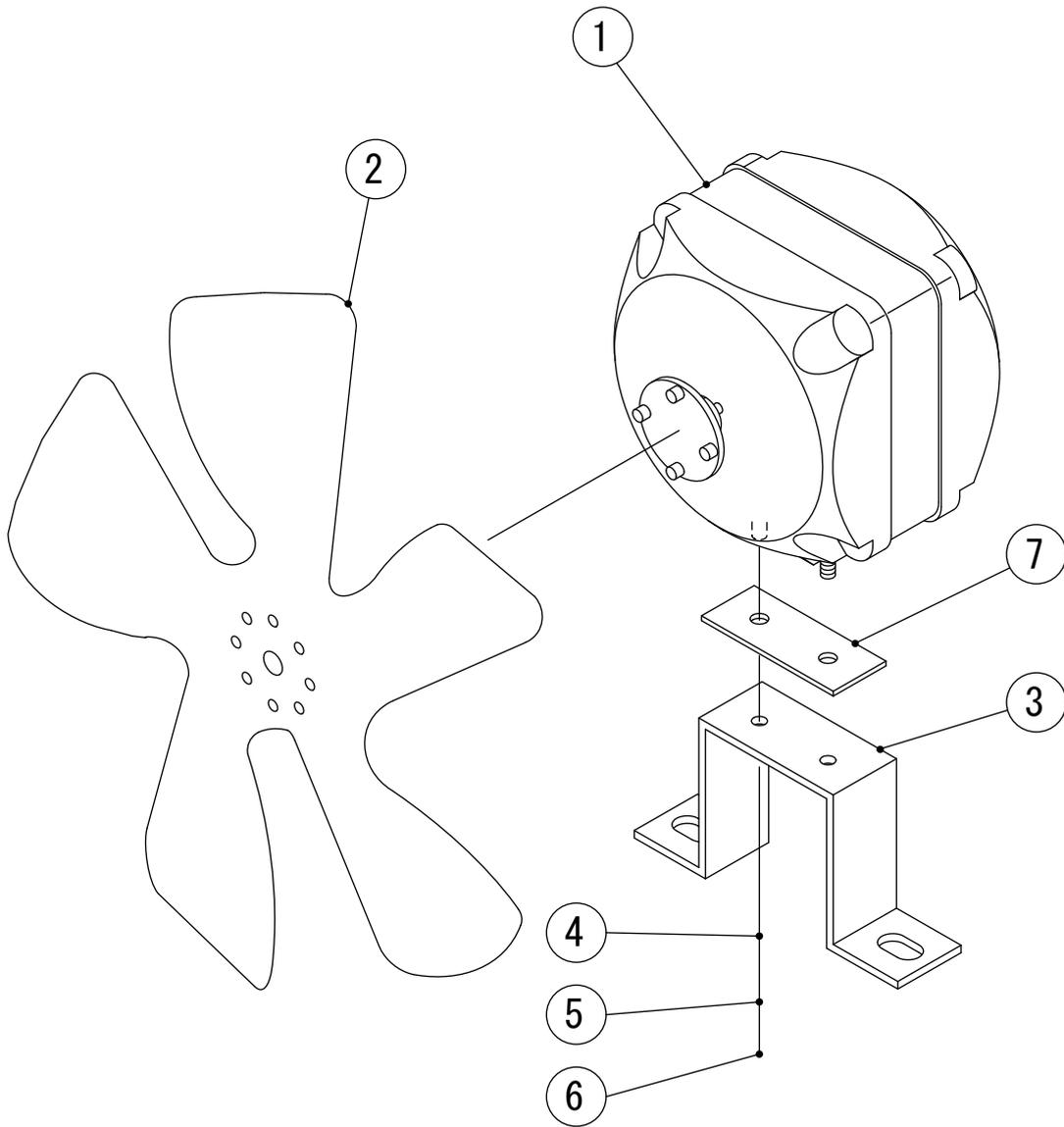
G. FRONT PANEL LOWER ASSY (P-1) and later



MODEL: **IM-45CNE**  
**IM-45CNS**

TITLE: **G.FRONT PANEL LOWER ASSY**

INDEX NO.	DESCRIPTION	MATERIAL OR MODEL NUMBER	PART NUMBER	REQ'D NUMBER				
				P-1				
1	FRONT PANEL	M146	2X0467M01	1				
		M146-C002,M146-C003 M146-C121,M142-C122 M146-C162,M146-C471	2C1760M01	1				
2	AIR FILTER		2X0416G01	1				
3	LOUVER		1H4811P01	1				
4	OPERATION LABEL		375116L03	1				
5	POP RIVET		7170-0006	2				
6	SPONGE TAPE		3Y5555Z01	1				
7	PUSH RETAINER	M146-C002,M146-C003 M146-C121,M142-C122 M146-C162,M146-C471	4A2414-01	2				



MODEL: **IM-45CNE**  
**IM-45CNS**

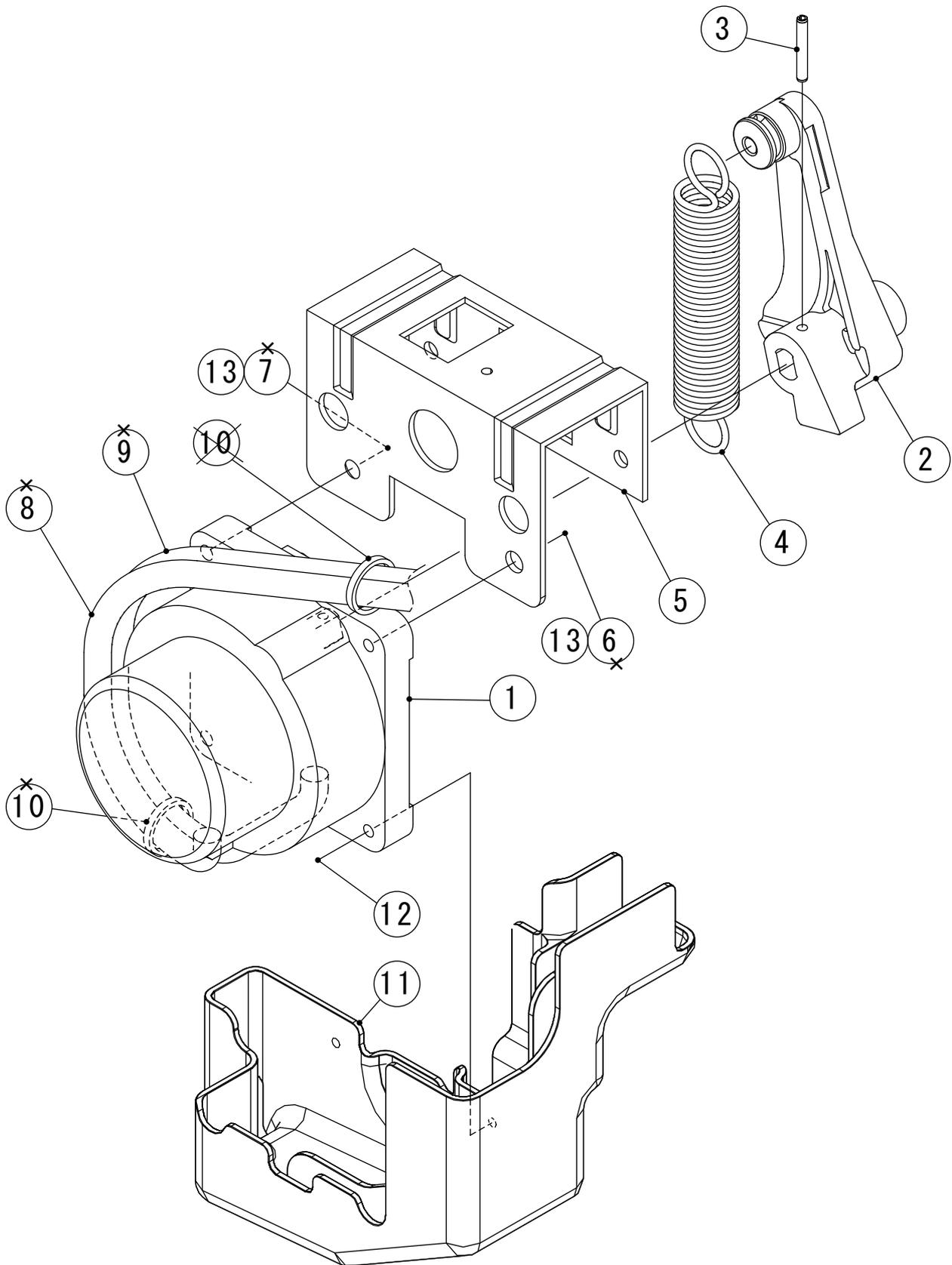
TITLE: **H.FAN MOTOR ASSY**

INDEX NO.	DESCRIPTION	MATERIAL OR MODEL NUMBER	PART NUMBER	REQ'D NUMBER				
				P-1				
1	FAN MOTOR	REGAL	P05835-02	1				
2	FAN		P05865-01	1				
3	BRACKET - FM		P05871-01	1				
4	FLAT WASHER		FWPL04S0	2				
5	SPRING WASHER		FWSP04S0	2				
6	NUT		FNH104S0	2				
7	SPACER		4X3927-01	1				

IM-45CNE  
IM-45CNS

J. ACTUATOR MOTOR ASSY

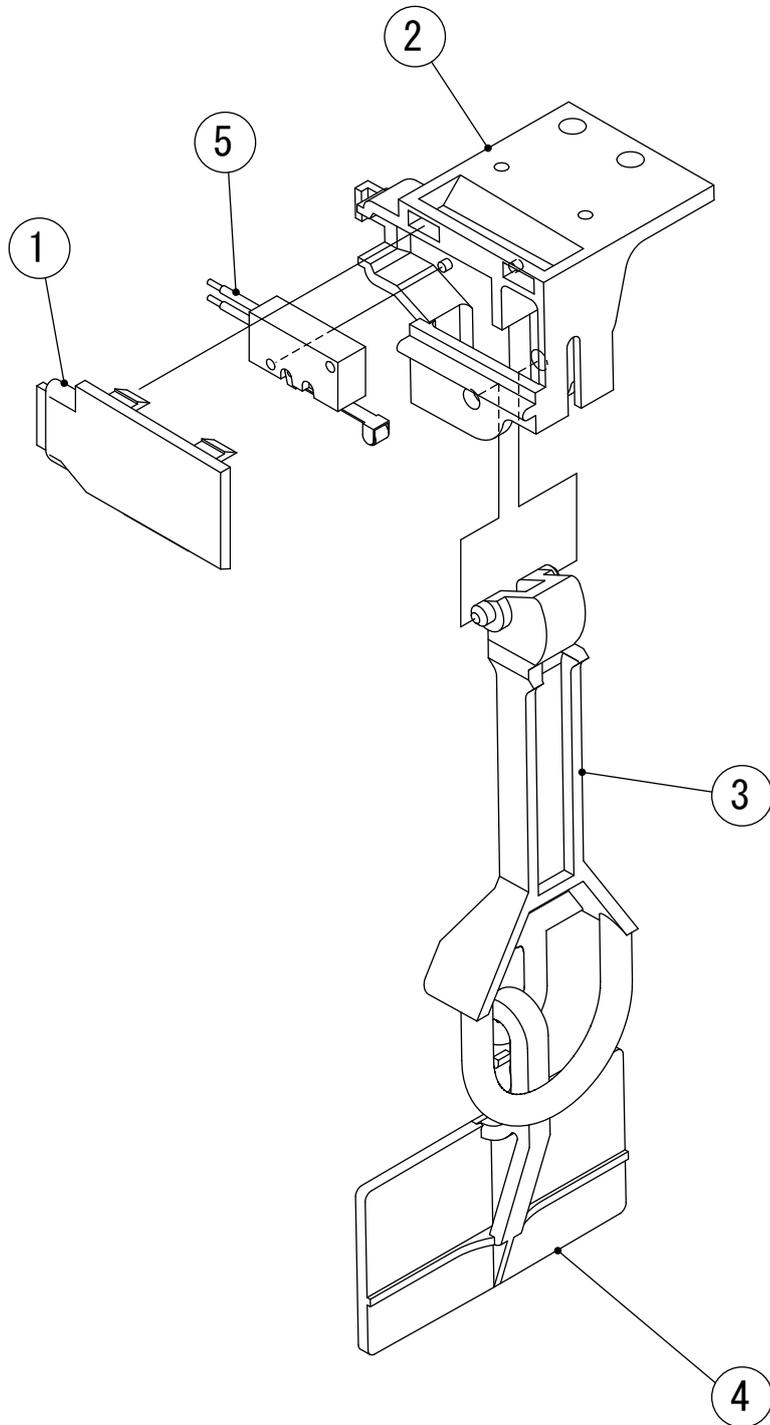
(P-1) and later



MODEL: **IM-45CNE**  
**IM-45CNS**

TITLE: **J.ACTUATOR MOTOR ASSY**

INDEX NO.	DESCRIPTION	MATERIAL OR MODEL NUMBER	PART NUMBER	REQ'D NUMBER				
				P-1				
1	ACTUATOR MOTOR	(50Hz)	4Y8998G01	1				
2	CAM (A)		3Y2277P01	1				
3	SPRING PIN		712S-0322	1				
4	SPRING		4H2640-01	1				
5	BRACKET - ACTUATOR MOTOR		3Y8832M01	1				
11	COVER - ACTUATOR MOTOR		1H4881P01	1				
12	T2 TRUSS HEAD SCREW		FT20416S0	2				
13	HEX HEAD BOLT (SPRING WASHER AND FLAT WASHER)		FBK0620S0	2				



MODEL: **IM-45CNE**  
**IM-45CNS**

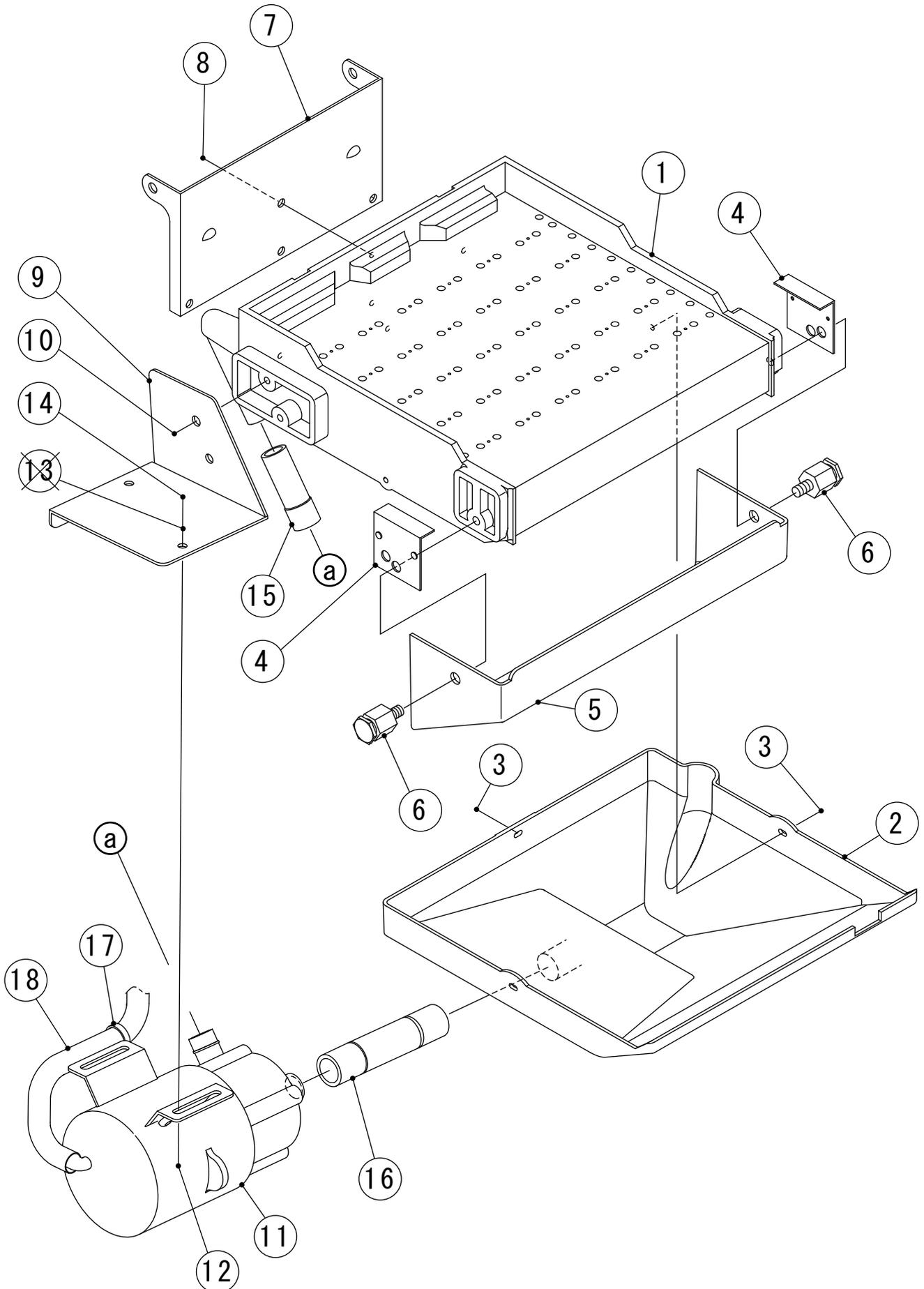
TITLE: **K.BIN SWITCH ASSY**

INDEX NO.	DESCRIPTION	MATERIAL OR MODEL NUMBER	PART NUMBER	REQ'D NUMBER				
				P-1				
1	SWITCH BOX COVER		4H8785-01	1				
2	SWICH BOX		2H2043-01	1				
3	SWITCH ACTUATOR		3H1369-01	1				
4	DETECTOR		3H9308-01	1				
5	MICRO SWITCH		456432-02	1				

IM-45CNE  
IM-45CNS

L. WATER PAN ASSY

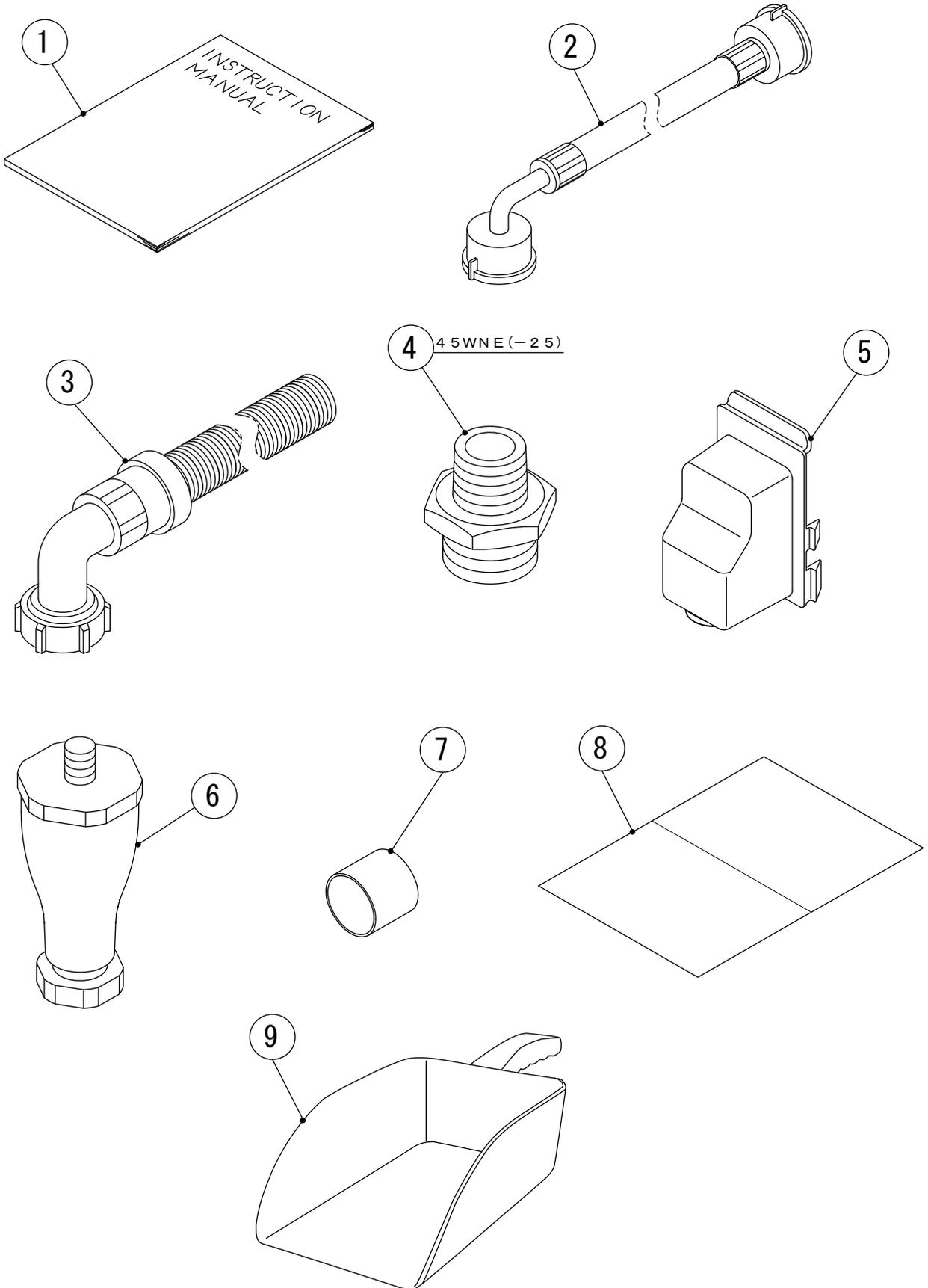
(P-1) and later



MODEL: **IM-45CNE**  
**IM-45CNS**

TITLE: **L.WATER PAN ASSY**

INDEX NO.	DESCRIPTION	MATERIAL OR MODEL NUMBER	PART NUMBER	REQ'D NUMBER				
				P-1				
1	WATER PLATE		2H0402G02	1				
2	WATER TANK(AD)		4X4159-02	1				
3	TRUSS HEAD TAPPING SCREW T2		FT20408S0	3				
4	PLATE - LUBRICATION		4H0448-01	2				
5	DRAIN GUIDE		3H5521-01	1				
6	SCREW SPRING HOOK		4H2582G01	2				
7	BRACKET - WATER PAN		4H2643-02	1				
8	TRUSS HEAD TAPPING SCREW T2		FT20412M0	4				
9	BRACKET - PUMP MOTOR		4Y7294M01	1				
10	TRUSS HEAD TAPPING SCREW T2		FT20512M0	2				
11	PUMP MOTOR		P04155-02	1				
12	HEX HEAD BOLT (SPRING WASHER AND FLAT WASHER)		FBK0412S0	2				
13	FLAT WASHER		FWPL04S0	-				
14	FLANGE NUT		FNHF04S0	2				
15	DISCHARGE TUBING		4H1982-01	1				
16	SUCTION TUBING		4H1922-02	1				
17	NYLON TIE	CV-100	7920-0002	1				
18	TUBE - SILICONE		4Y6751Z03	1				



MODEL: **IM-45CNE**  
**IM-45CNS**

TITLE: **M.ACCESSORIES**

INDEX NO.	DESCRIPTION	MATERIAL OR MODEL NUMBER	PART NUMBER	REQ'D NUMBER				
				P-1				
1	INSTRUCTION MANUAL		L1M141***	1				
2	INLET HOSE	TC138-AF-HY	P03534-01	1				
3	OUTLET HOSE		452365-01	1				
5	COVER - CONNECTOR		2X0271P01	-				
6	LEG		462576-02	4				
7	CAP		417323-01	1				
8	INSTRUCTION SHEET		121594L01	1				
9	SCOOP		1H4123P01	1				