

CM650 Parts List

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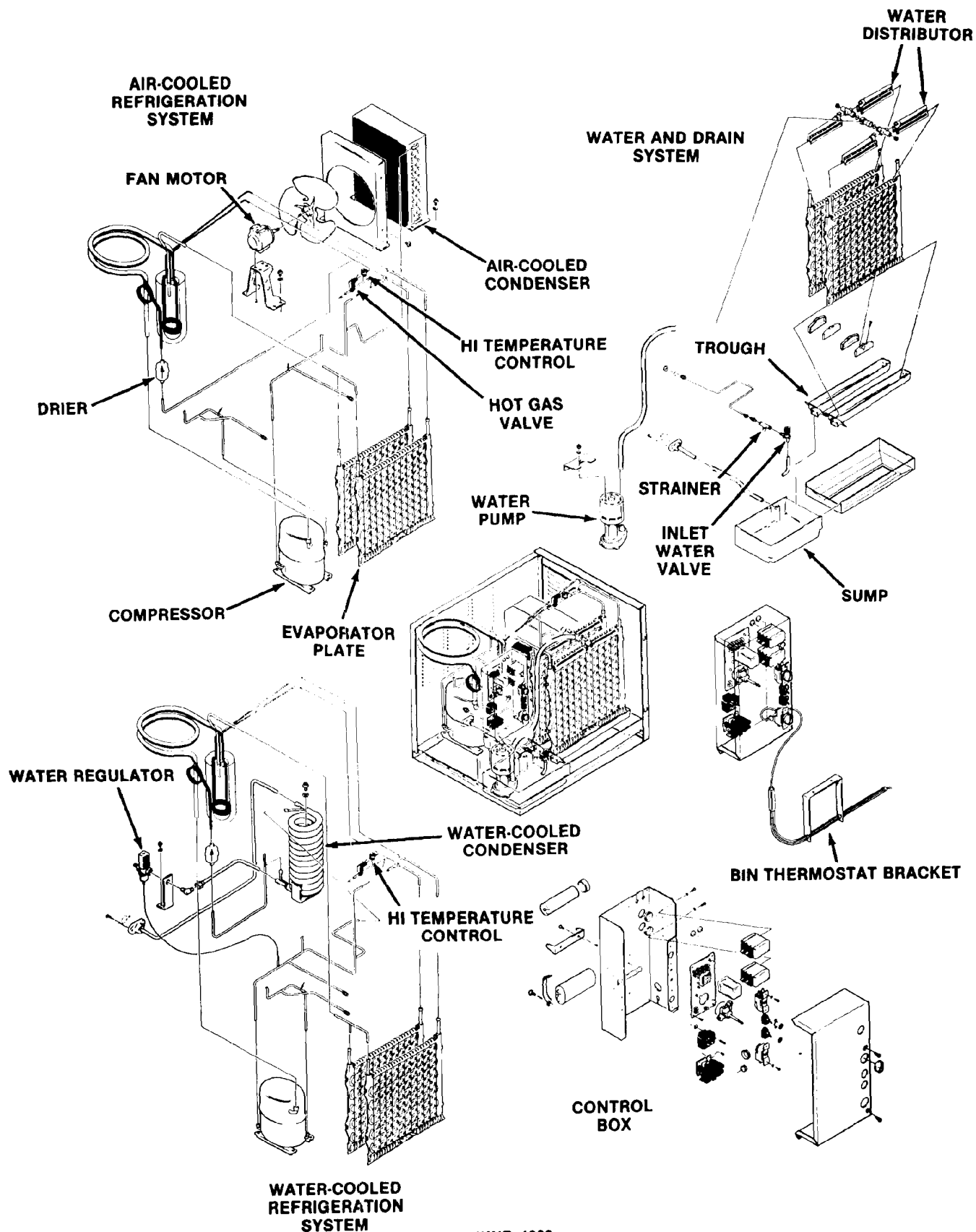
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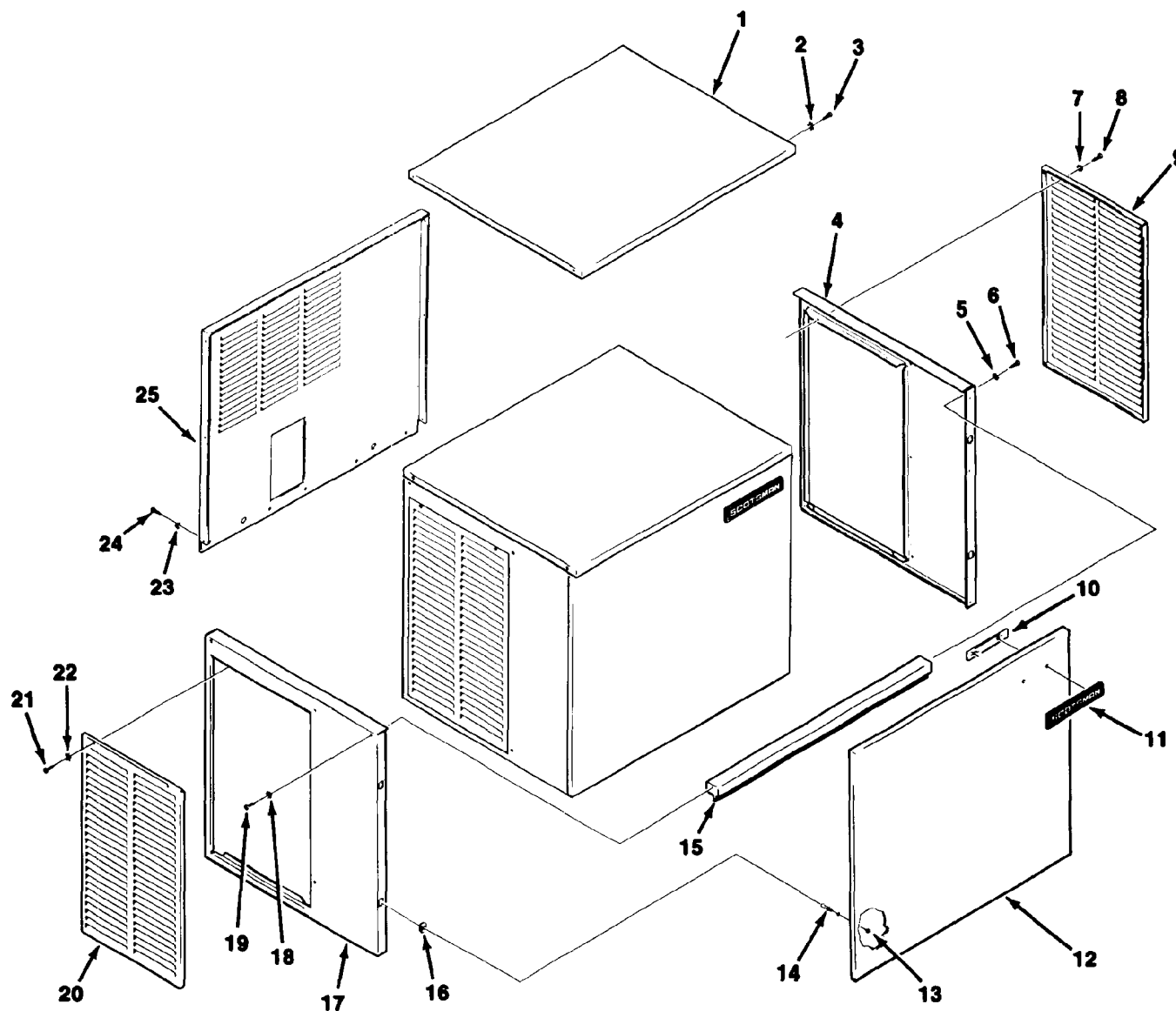
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CM650 THE PARTS ILLUSTRATIONS AND PARTS LISTS



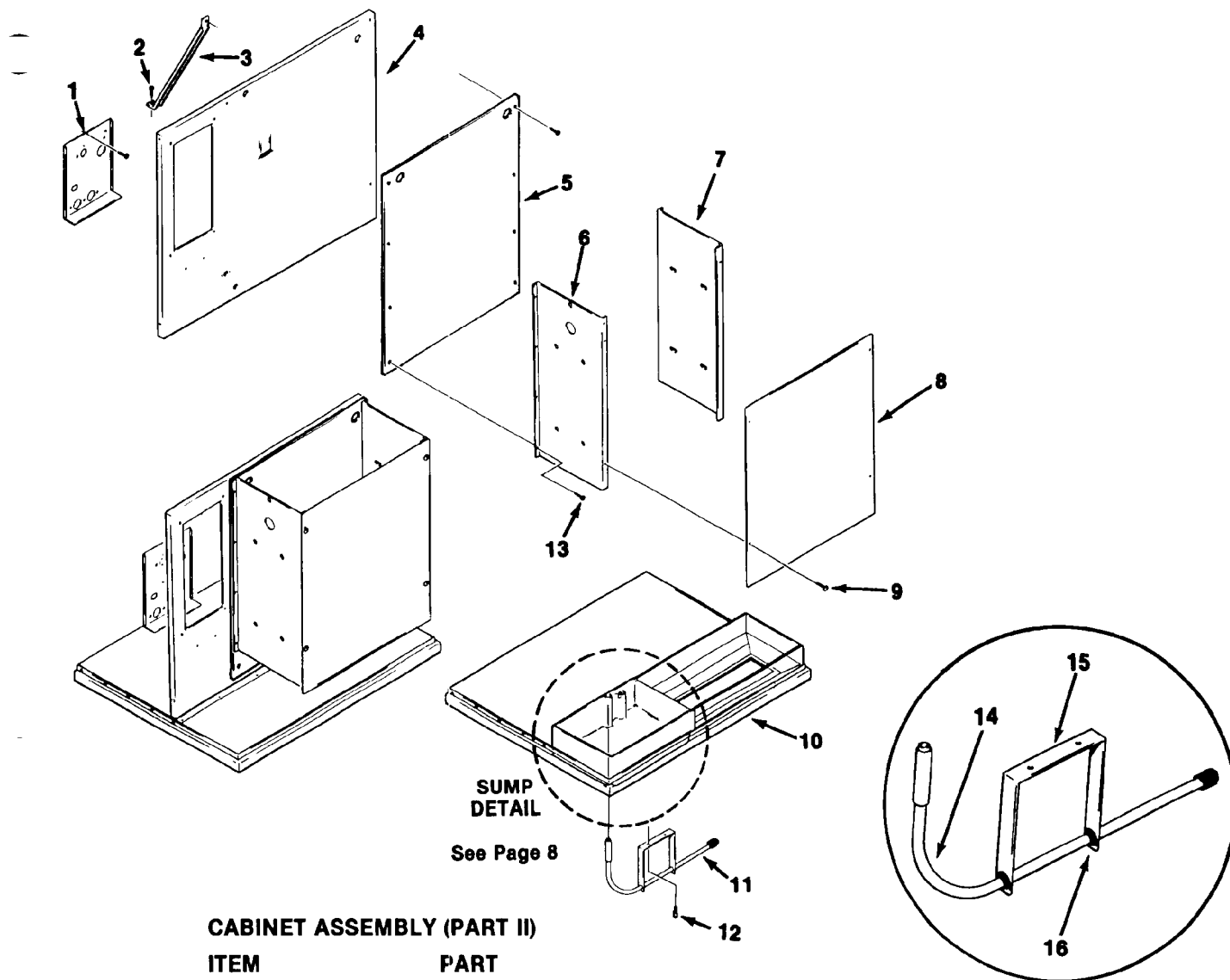
CM650 THE PARTS ILLUSTRATIONS AND PARTS LISTS



CABINET ASSEMBLY (PART I)

ITEM NUMBER	PART NUMBER		DESCRIPTION	ITEM NUMBER	PART NUMBER		DESCRIPTION
	"A" & "C"	"D"			"A" & "C"	"D"	
1	A31084-001	A32159-001	Top Panel, Enamel	13	03-1406-04	Same	Nut
	A31084-002	A32159-002	Top Panel, Stainless Steel	14	15-0411-00	Same	Strike
2	03-1417-03	Same	Lockwasher	15	No Number	A32169-001	Front Support
3	03-1531-01	Same	Screw, #8-32	16	02-0836-00	Same	Cabinet Catch
4	A31086-001	A32162-001	End Panel (Right), Enamel	17	A31085-001	A32163-001	End Panel (Left), Enamel
	A31086-002	A32162-002	End Panel (Right), Stainless Steel		A31085-002	A32163-002	End Panel (Left), Stainless Steel
5	03-1417-03	Same	Lockwasher	18	03-1417-03	Same	Lockwasher
6	03-1531-01	Same	Screw	19	03-1531-01	Same	Screw
7	03-1417-03	Same	Lockwasher	20	A31242-001	A32161-001	Service Panel, Enamel
8	03-1404-12	Same	Screw		A31242-002	A32161-002	Service Panel, Stainless Steel
9	A31242-001	A32161-001	Service Panel, Enamel	21	03-1404-12	Same	Screw
	A31242-002	A32161-002	Service Panel, Stainless Steel	22	03-1412-03	Same	Lockwasher
10	03-0271-00	Same	Speed Nut	23	03-1417-03	Same	Lockwasher
11	15-0711-01	Same	Emblem	24	03-1531-01	Same	Screw
12	A30900-001	A32160-001	Front Panel, Enamel	25	A31048-001	A32202-001	Back Panel, F.A.
	A30900-002	A32160-002	Front Panel, Stainless Steel				

CM650 THE PARTS ILLUSTRATIONS AND PARTS LISTS

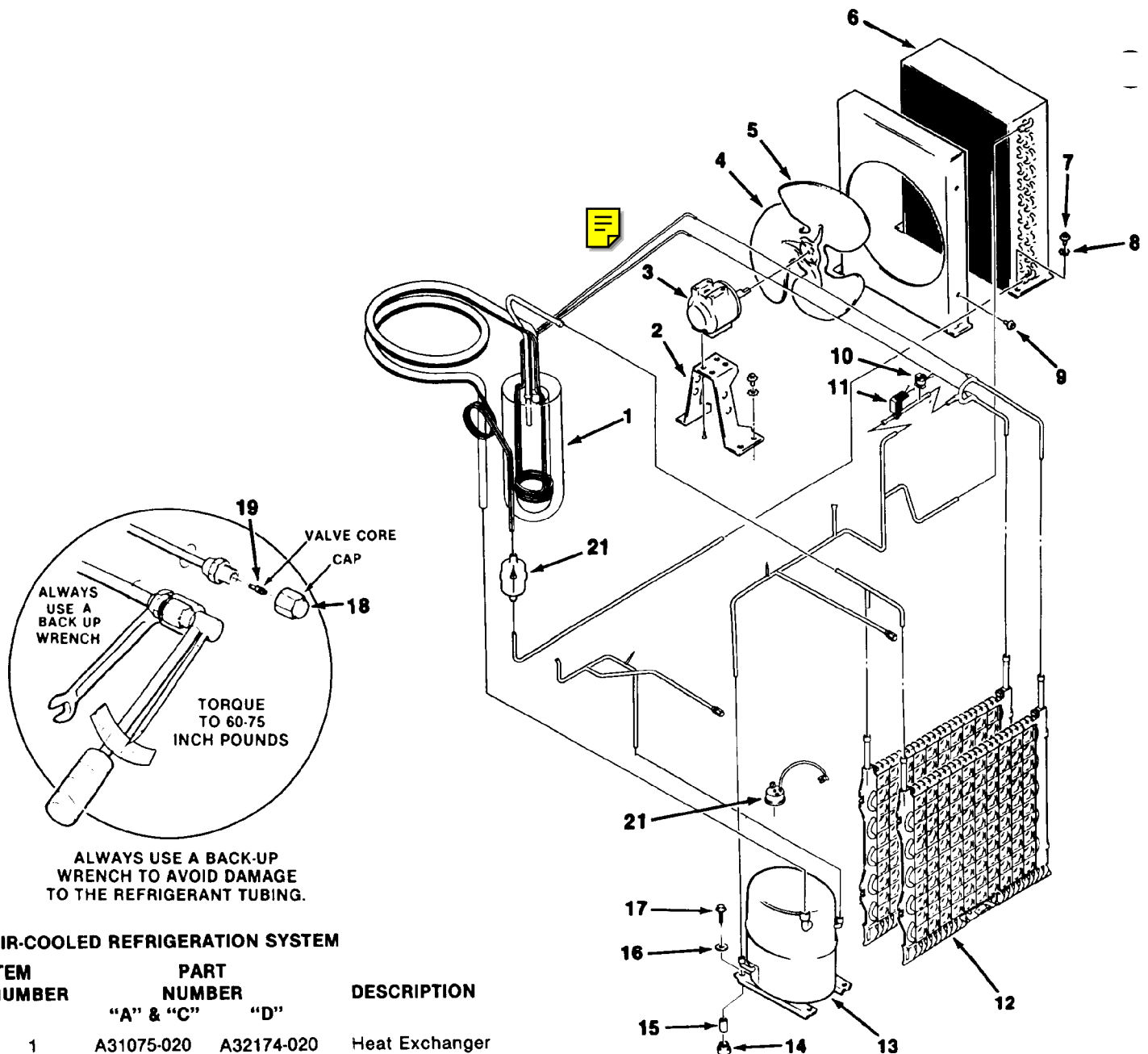


CABINET ASSEMBLY (PART II)

ITEM NUMBER	PART NUMBER		DESCRIPTION
	"A" & "C"	"D"	
1	A31874-001	A32166-001	Junction Box Bracket
2	Same	03-1645-01	Screw
3	A30906-001	A32210-001	Support Brace
4	A31151-001	A32157-001	Retainer F.A.
5	02-2810-01	02-2867-01	Splash Panel
6	A31080-001	A32172-001	Evaporator Bracket (Right)
7	A31082-001	A32173-001	Evaporator Bracket (Left)
8	A30897-001	A32165-001	Evaporator Plate Cover
9	03-0727-09	Same	Thumbscrew
10	No Number	A32153-001	Base
11	A31099-001	See Detail "D"	Bin Thermostat Bracket
12	03-0727-05	03-0727-09	Thumbscrew
13	No Number	03-1531-002	Screw
14	No Number	A32261-001	Tube Bin Thermostat
15	No Number	A31104-001	Bracket
16	No Number	13-0116-00	Grommet

DETAIL
"D" MODEL

CM650 THE PARTS ILLUSTRATIONS AND PARTS LISTS

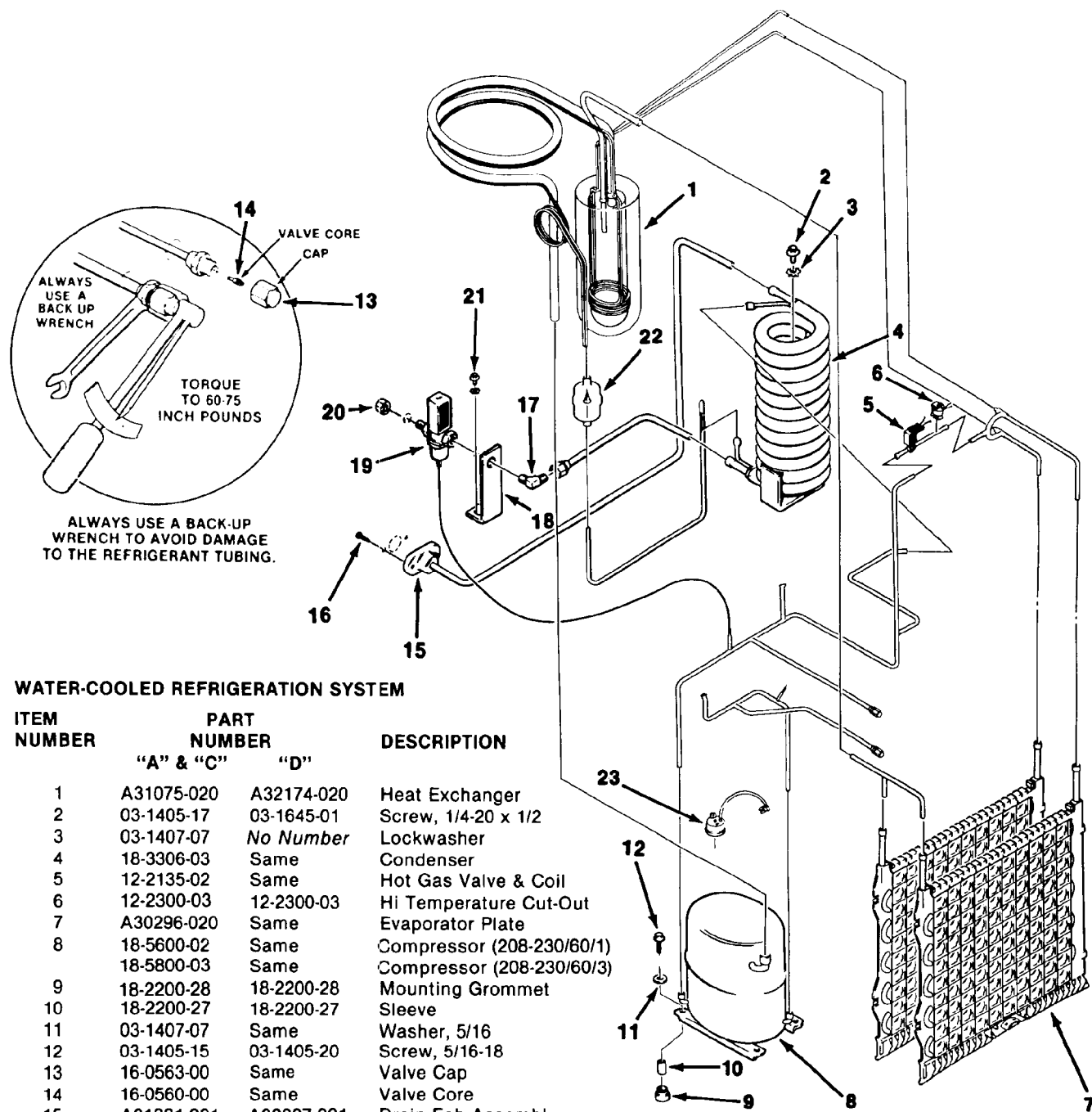


AIR-COOLED REFRIGERATION SYSTEM

ITEM NUMBER	PART NUMBER		DESCRIPTION
	"A" & "C"	"D"	
1	A31075-020	A32174-020	Heat Exchanger
2	18-3739-01	Same	Motor Mount
3	18-5105-02	Same	Fan Motor
4	18-3732-01	Same	Fan Blade
5	A30985-001	A32170-001	Shroud
6	18-3709-01	Same	Condenser
7	03-1405-03	03-1645-01	Screw, 1/4-20 x 1/2
8	03-1410-03	Same	Lockwasher
9	03-1404-29	Same	Screw, #8-32
10	12-2300-03	Same	Hi Temperature Cut-out
11	12-2135-02	Same	Hot Gas Solenoid & Coil
12	A30296-020	Same	Evaporator Plate
13	18-5600-02	Same	Compressor (208-230/60/1)
	18-5800-03	Same	Compressor (208-230/60/3)

ITEM NUMBER	PART NUMBER		DESCRIPTION
	"A" & "C"	"D"	
14	18-2200-28	18-2200-28	Mounting Grommet
15	18-2200-27	18-2200-27	Sleeve
16	03-1407-07	Same	Washer
17	03-1405-15	03-1405-20	Screw
18	16-0563-00	Same	Valve Cap
19	16-0560-00	Same	Valve Core
20	02-2426-02	Same	Drier Filter
21	18-5600-51	Same	Overload for 18-5600-02 Compressor

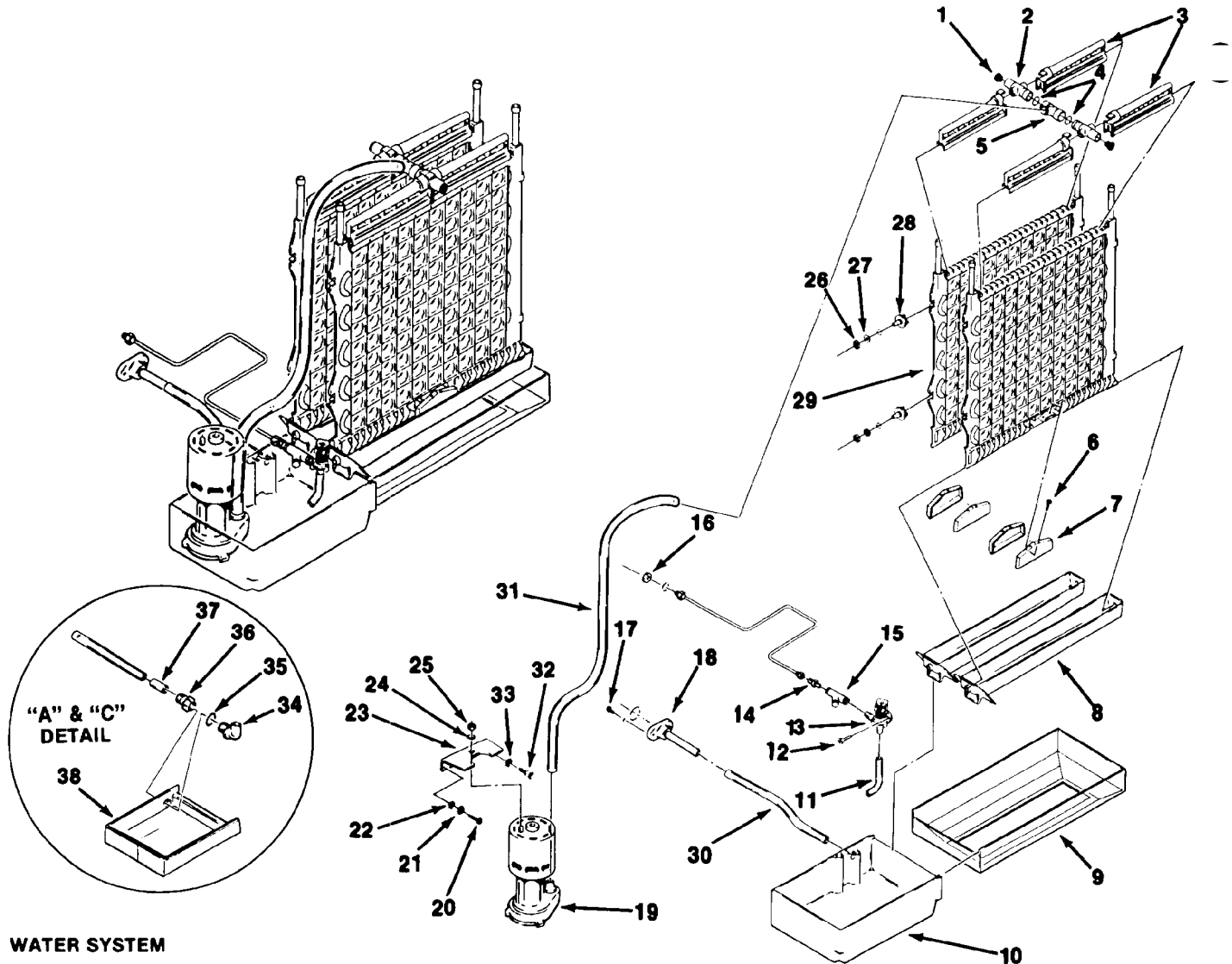
CM650 THE PARTS ILLUSTRATIONS AND PARTS LISTS



WATER-COOLED REFRIGERATION SYSTEM

ITEM NUMBER	PART NUMBER		DESCRIPTION
	"A" & "C"	"D"	
1	A31075-020	A32174-020	Heat Exchanger
2	03-1405-17	03-1645-01	Screw, 1/4-20 x 1/2
3	03-1407-07	No Number	Lockwasher
4	18-3306-03	Same	Condenser
5	12-2135-02	Same	Hot Gas Valve & Coil
6	12-2300-03	12-2300-03	Hi Temperature Cut-Out
7	A30296-020	Same	Evaporator Plate
8	18-5600-02	Same	Compressor (208-230/60/1)
	18-5800-03	Same	Compressor (208-230/60/3)
9	18-2200-28	18-2200-28	Mounting Grommet
10	18-2200-27	18-2200-27	Sleeve
11	03-1407-07	Same	Washer, 5/16
12	03-1405-15	03-1405-20	Screw, 5/16-18
13	16-0563-00	Same	Valve Cap
14	16-0560-00	Same	Valve Core
15	A31881-001	A32227-001	Drain Fab Assembly (Water-Cooled)
16	03-1645-01	03-1403-14	Screw
17	No Number	16-0401-02	Brass Elbow
18	No Number	Same	Bracket
19	11-0424-01	Same	Water Regulator Valve
20	03-1394-01	Same	Pal Nut
21	03-1403-14	Same	Screw, #8 x 3/16
22	02-2426-02	Same	Drier Filter
23	18-5600-51	Same	Overload for 18-5600-02 Compressor

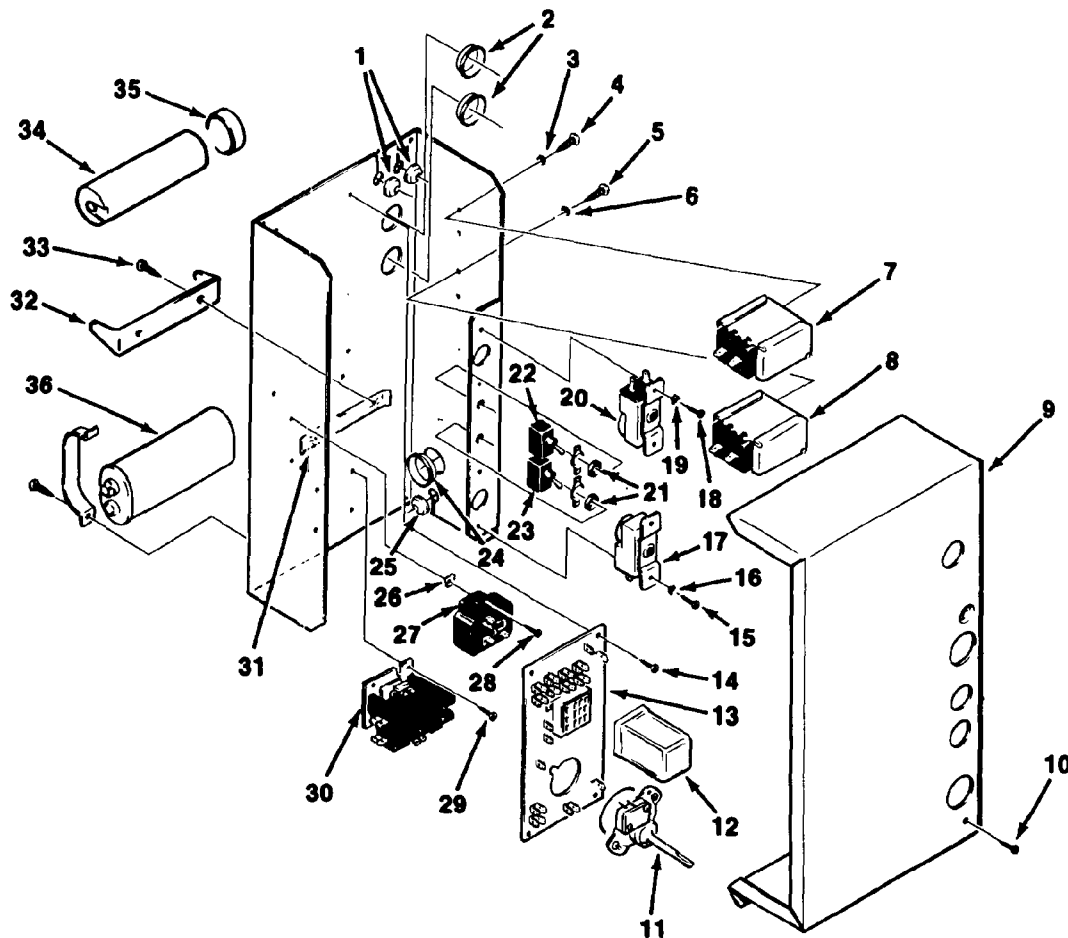
CM650 THE PARTS ILLUSTRATIONS AND PARTS LISTS



WATER SYSTEM

ITEM NUMBER	PART NUMBER		DESCRIPTION				
	"A" & "C"	"D"					
1	13-0840-01	Same	Manifold Hole Plug	19	12-2265-22	Same	Water Pump Assembly
2	A29703-001	Same	Manifold Water Tube	20	Same	03-1403-17	Screw, #8-32 x 3/8"
3	02-2527-01	Same	Water Distributor Tube	21	Same	03-1407-03	Washer
4	13-0617-48	Same	O-Ring (2)	22	Same	03-1408-31	Washer
5	02-2519-01	Same	Plastic Tee	23	A30914-001	A30914-002	Pump Mounting Bracket
6	03-1404-10	Same	Screw	24	03-1417-03	03-1417-05	Lockwasher, #10
7	02-2878-01	Same	Sump End Cover	25	03-1406-03	03-1406-05	Nut, #10-32
8	02-2801-01	02-2868-01	Drain Trough	26	Same	03-1394-03	Pal Nut
9	No Number	No Number	Cube Chute	27	Same	03-1408-34	Special Washer
10	See Detail	02-2869-01	Sump	28	02-2642-01	Same	Plate Mount
11	A30918-001	Same	Sump Inlet Tube	29	A30296-020	Same	Evaporator Plate
12	03-1531-01	Same	Screw, #8-32	30	No Number	13-0674-07	Drain Hose, 8"
13	12-2261-03	12-2313-03	Solenoid Valve Assembly	31	13-0674-07	13-0674-07	Water Hose, 33"
14	No Number	16-0791-01	Half Union Coupling	32	03-0727-05	03-0727-09	Thumbscrew
15	No Number	16-0162-00	Strainer	33	03-1417-03	Same	Lockwasher
16	03-1394-01	Same	Pal Nut	"A" & "C" DETAIL			
17	03-1405-03	03-1645-01	Screw			"A"	"C"
18	A31757-004	A32282-003	Drain Fab Assembly (Air-Cooled)	34	A30917-001	A30917-002	Stand Pipe
				35	13-0617-02	Same	O-Ring
				36	02-2606-01	Same	Tube - Female
				37	13-0674-11	Same	Drain Tube, 8"
				38	02-2812-01	02-2812-02	Reservoir

CM650 THE PARTS ILLUSTRATIONS AND PARTS LISTS

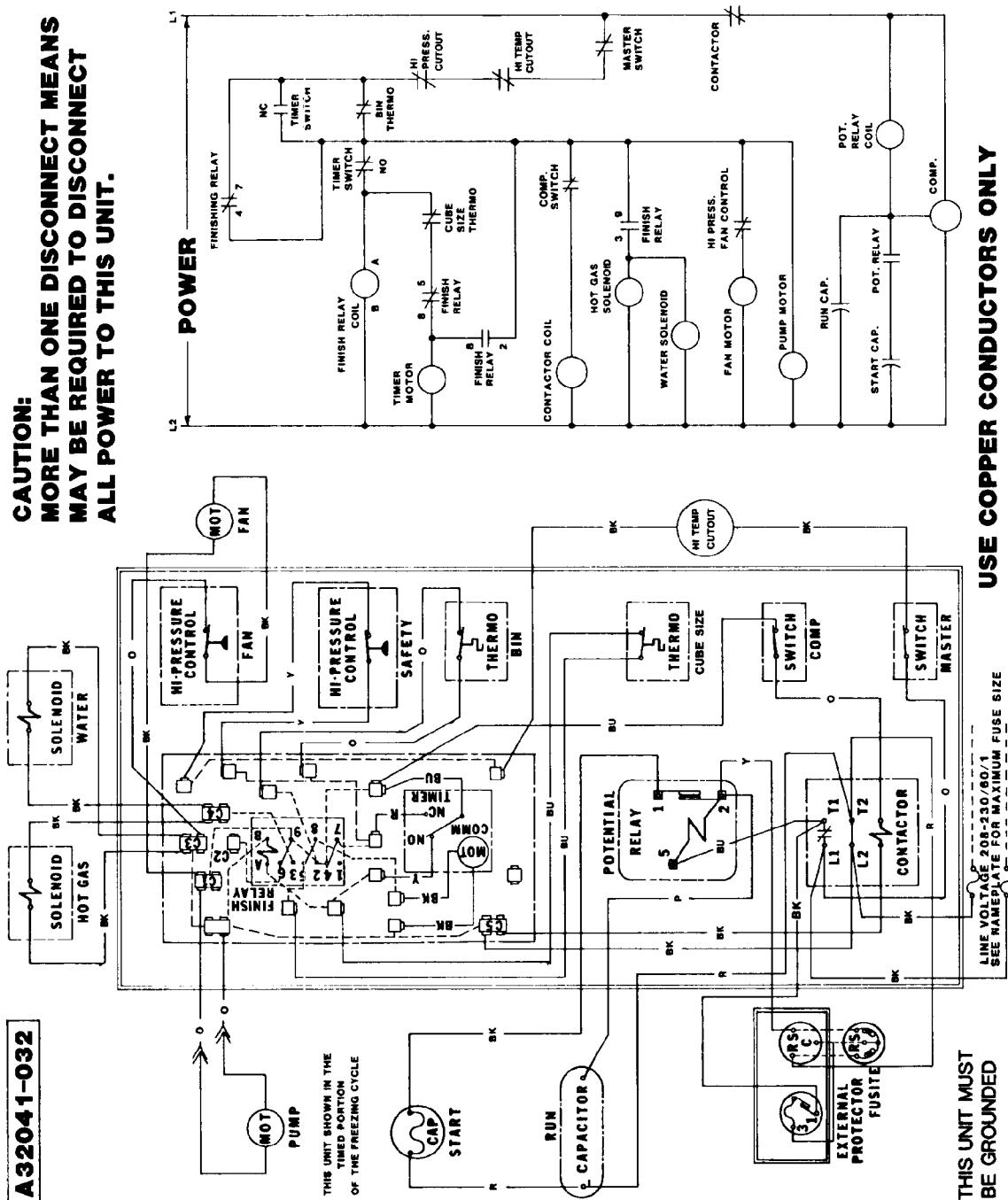


CONTROL BOX

ITEM NUMBER	PART NUMBER		DESCRIPTION	ITEM NUMBER	PART NUMBER		DESCRIPTION
	"A" & "C"	"D"			"A" & "C"	"D"	
1	13-0557-00	Same	Grommet	18	03-1403-05	03-1403-17	Screw, #8-32 (2)
2	12-1213-10	12-1213-07	Snap Bushing	19	03-1417-03	Same	Tooth Lockwasher
3	03-1417-18	Same	Tooth Lockwasher (2)	20	11-0428-01	Same	Cube Size Control
4	03-1403-02	Same	Screw	21	03-1417-16	Same	Tooth Lockwasher
5	03-1403-02	Same	Screw	22	12-0426-01	Same	Switch SPST
6	03-1417-18	Same	Tooth Lockwasher (2)	23	12-0426-01	Same	Switch SPST
7	11-0426-01	Same	Fan Pressure Control (Air-Cooled Only)	24	12-1213-17	12-1213-12	Snap Bushing
8	11-0425-01	Same	High Pressure Control (Air-Cooled)	25	13-0557-00	Same	Grommet
	11-0410-02	Same	High Pressure Control (Water-Cooled)	26	03-1423-01	Same	Speed Nut (1)
9	A30902-001	A32168-001	Control Box Cover	27	18-1903-33	Same	Potential Relay (208-230)
10	03-1531-01	Same	Screw	28	03-1403-02	Same	Screw
11	12-1980-02	Same	Timer	29	03-1403-15	03-1638-03	Screw
12	12-1879-03	Same	Relay, 3PDT (208-230)	30	12-2048-02	Same	Contactor (208-230/60/1)
13	12-1912-01	Same	Circuit Board		12-0739-02	Same	Contactor (208-230/60/3)
14	03-1403-02	Same	Screw	31	03-1103-00	Same	Twin Speed Nut (1)
15	03-1403-05	03-1403-17	Screw	32	18-2200-39	Same	Start Capacitor Bracket
16	03-1417-03	Same	Tooth Lockwasher	33	03-1403-15	Same	Screw, #8-32 (2)
17	11-0427-02	Same	Bin Thermostat	34	18-1901-45	Same	Start Capacitor
				35	18-2200-38	Same	Start Capacitor Cap
				36	18-1902-45	Same	Run Capacitor

CM650C WIRING DIAGRAM

CAUTION:
MORE THAN ONE DISCONNECT MEANS
MAY BE REQUIRED TO DISCONNECT
ALL POWER TO THIS UNIT.



A32041-032

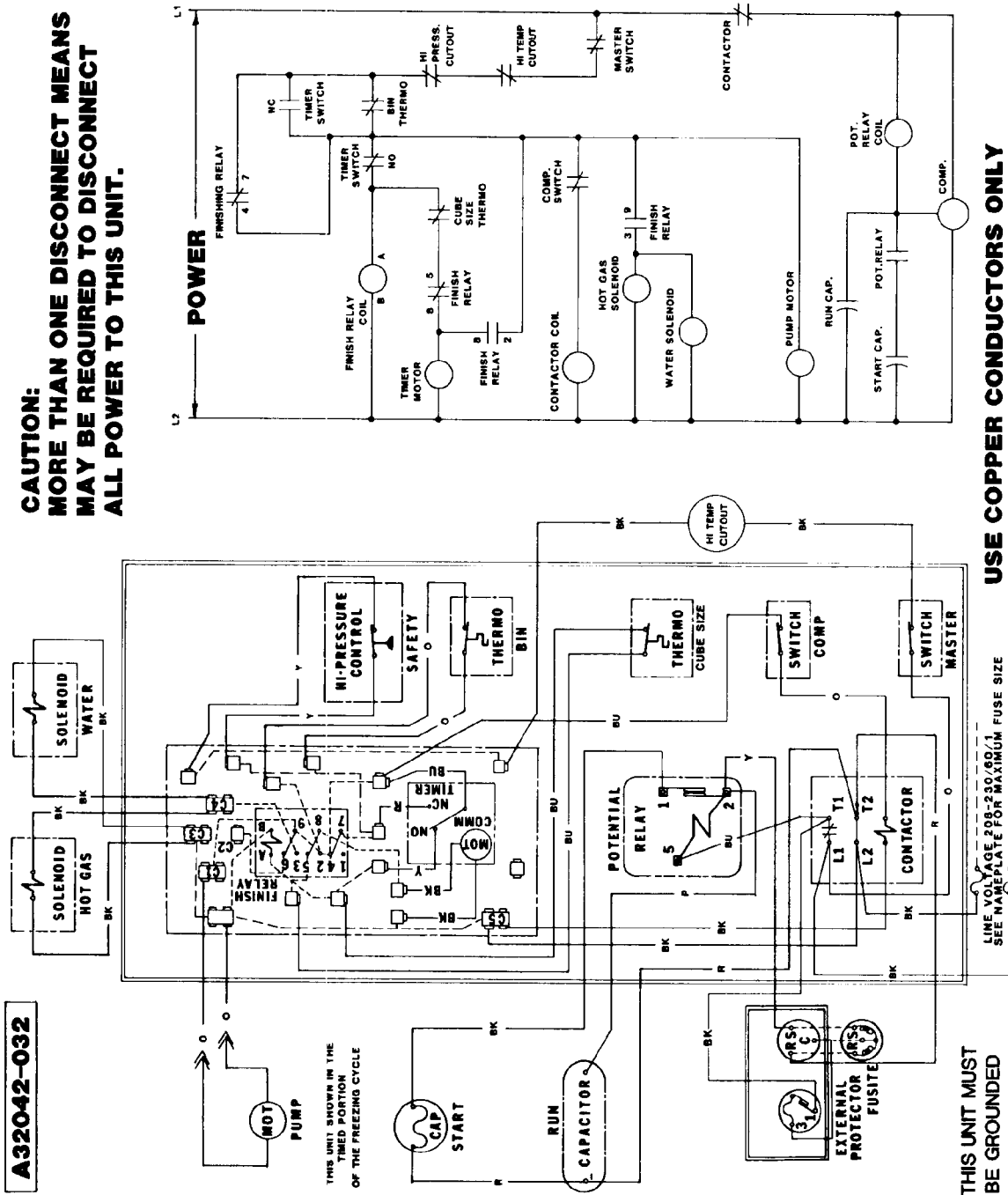
THIS UNIT SHOWN IN THE
TIMED PORTION
OF THE FREEZING CYCLE

Use of the High Temperature cut-out begins with Serial Number 877131-02G

Wiring Diagram — CM650AE-32C (208-230/60/1) - Air-Cooled

CM650C WIRING DIAGRAM

CAUTION:
MORE THAN ONE DISCONNECT MEANS
MAY BE REQUIRED TO DISCONNECT
ALL POWER TO THIS UNIT.



Use of the High Temperature cut-out begins with Serial Number 877131-02G

Wiring Diagram — CM650WE-32C (208-230/60/1) - Water-Cooled

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A32041-003

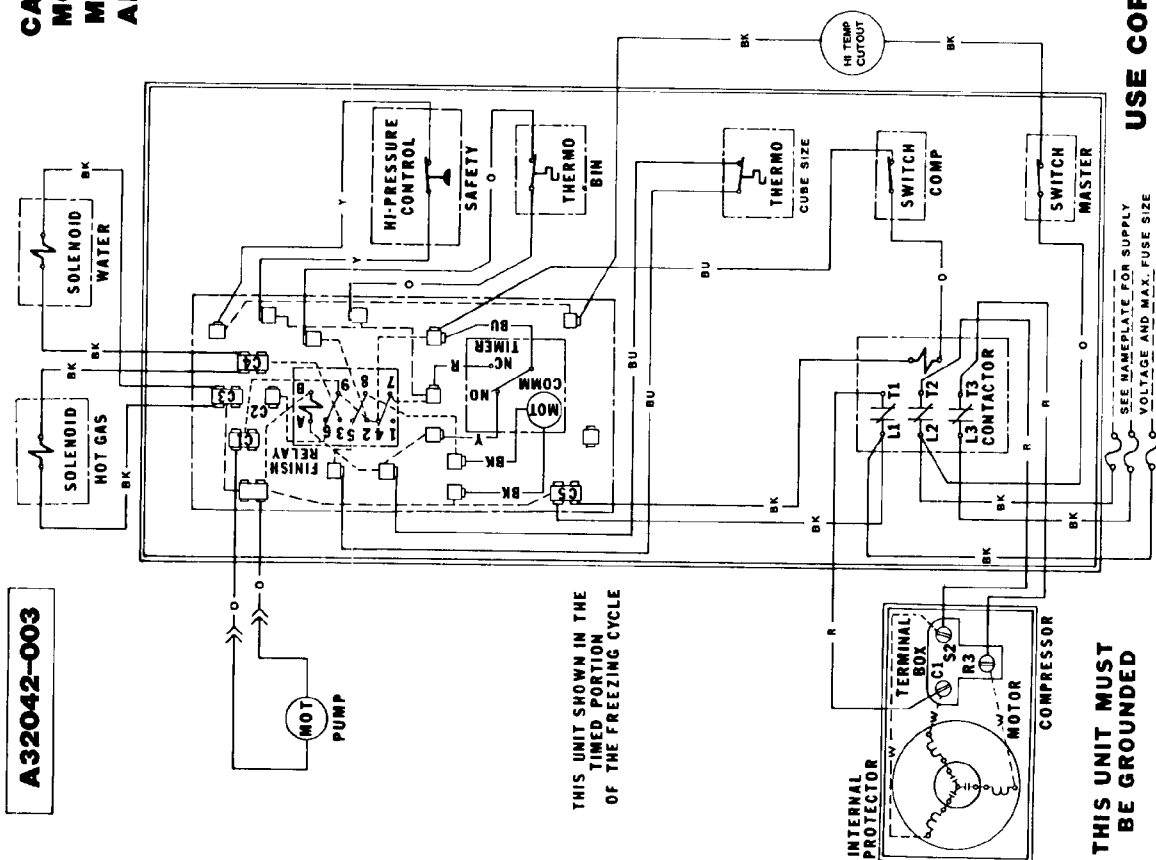


**THIS UNIT MUST
BE GROUNDED**

Wiring Diagram — CM650AE-3C (208-230/60/3) - Air-Cooled

CM650C WIRING DIAGRAM

CAUTION:
MORE THAN ONE DISCONNECT MEANS
MAY BE REQUIRED TO DISCONNECT
ALL POWER TO THIS UNIT.

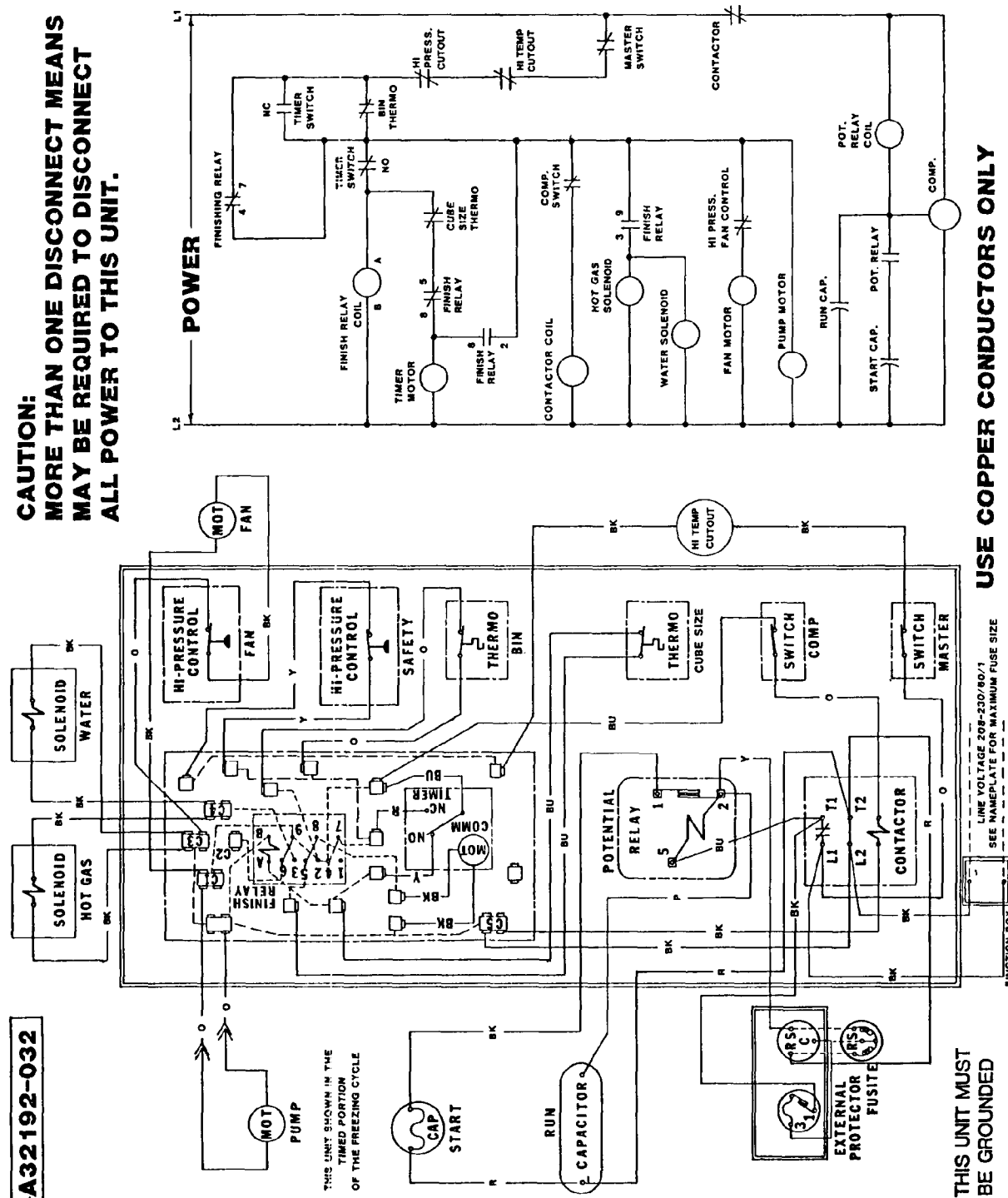


Use of the High Temperature cut-out begins with Serial Number 877131-02G

Wiring Diagram — CM650WE-3C (208-230/60/3) - Water-Cooled

CM650D WIRING DIAGRAM

**CAUTION:
MORE THAN ONE DISCONNECT MEANS
MAY BE REQUIRED TO DISCONNECT
ALL POWER TO THIS UNIT.**



USE COPPER CONDUCTORS ONLY

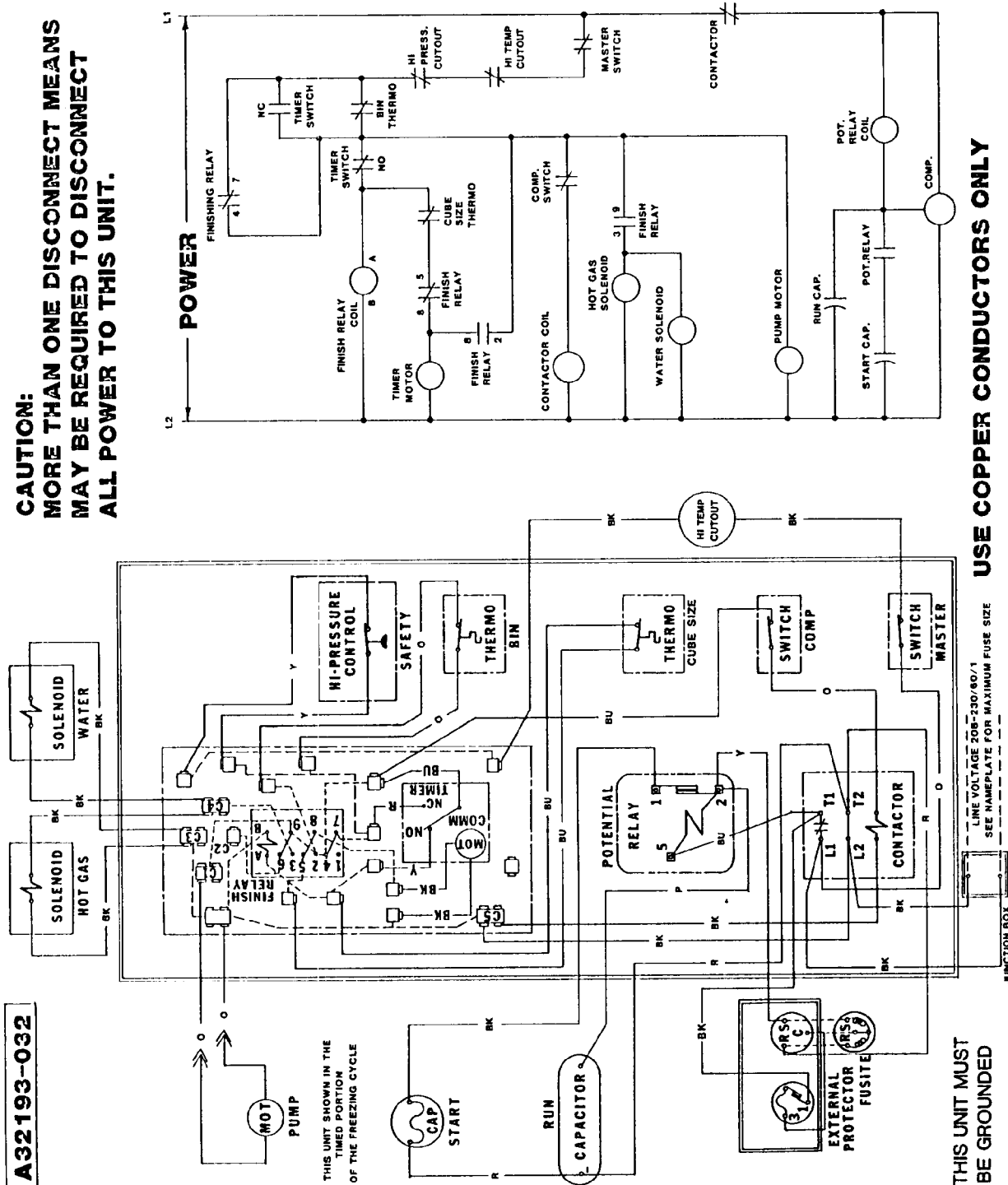
LINE VOLTAGE 208-230/60/1
SEE NAMEPLATE FOR MAXIMUM FUSE SIZE

**THIS UNIT MUST
BE GROUNDED**

Wiring Diagram CM650AE-32D (208-230/60/1)

CM650D WIRING DIAGRAM

CAUTION:
MORE THAN ONE DISCONNECT MEANS
MAY BE REQUIRED TO DISCONNECT
ALL POWER TO THIS UNIT.



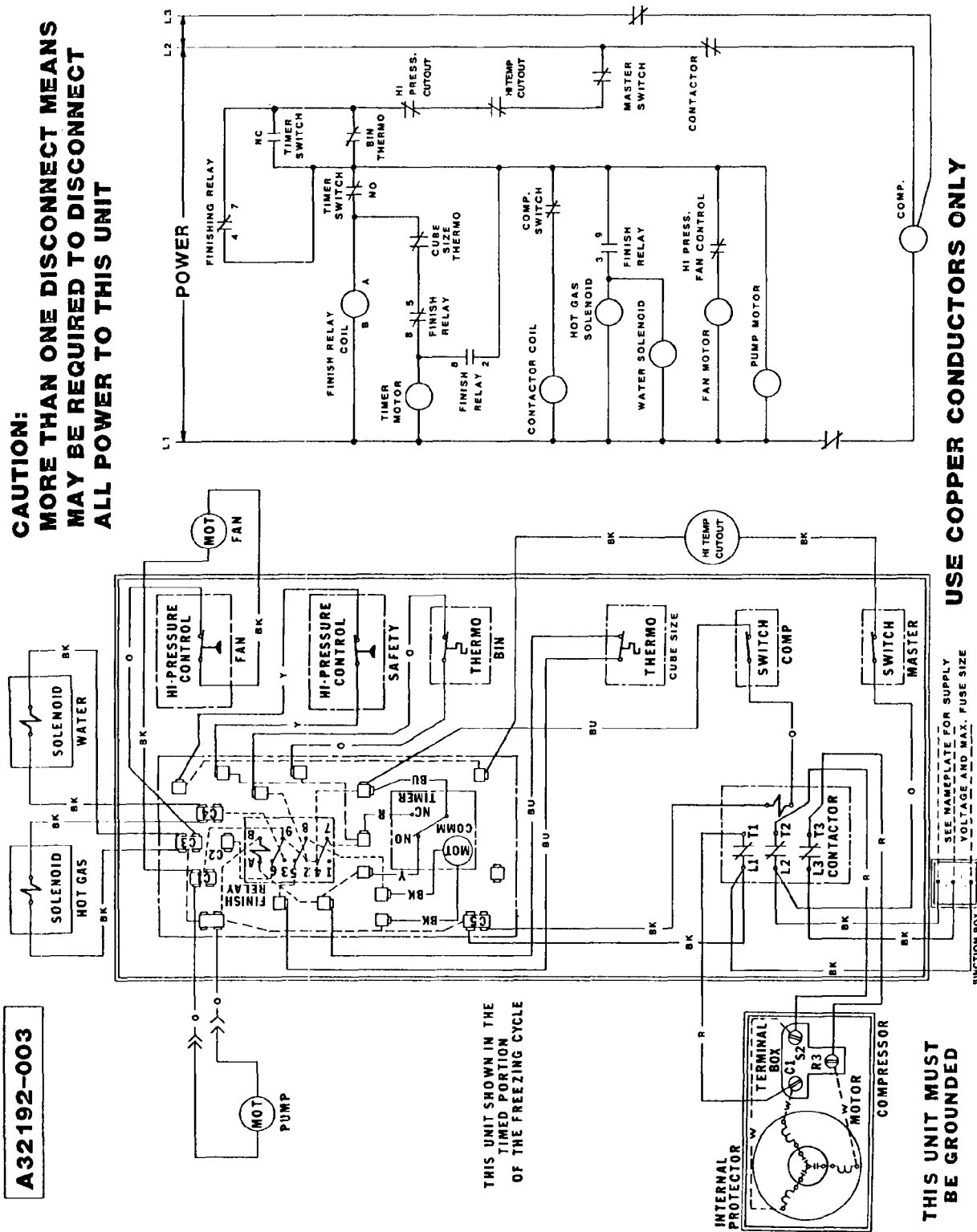
USE COPPER CONDUCTORS ONLY

THIS UNIT MUST BE GROUNDED

Wiring Diagram CM650WE-32D (208-230/60/1)

CM650D WIRING DIAGRAM

CAUTION:
MORE THAN ONE DISCONNECT MEANS
MAY BE REQUIRED TO DISCONNECT
ALL POWER TO THIS UNIT



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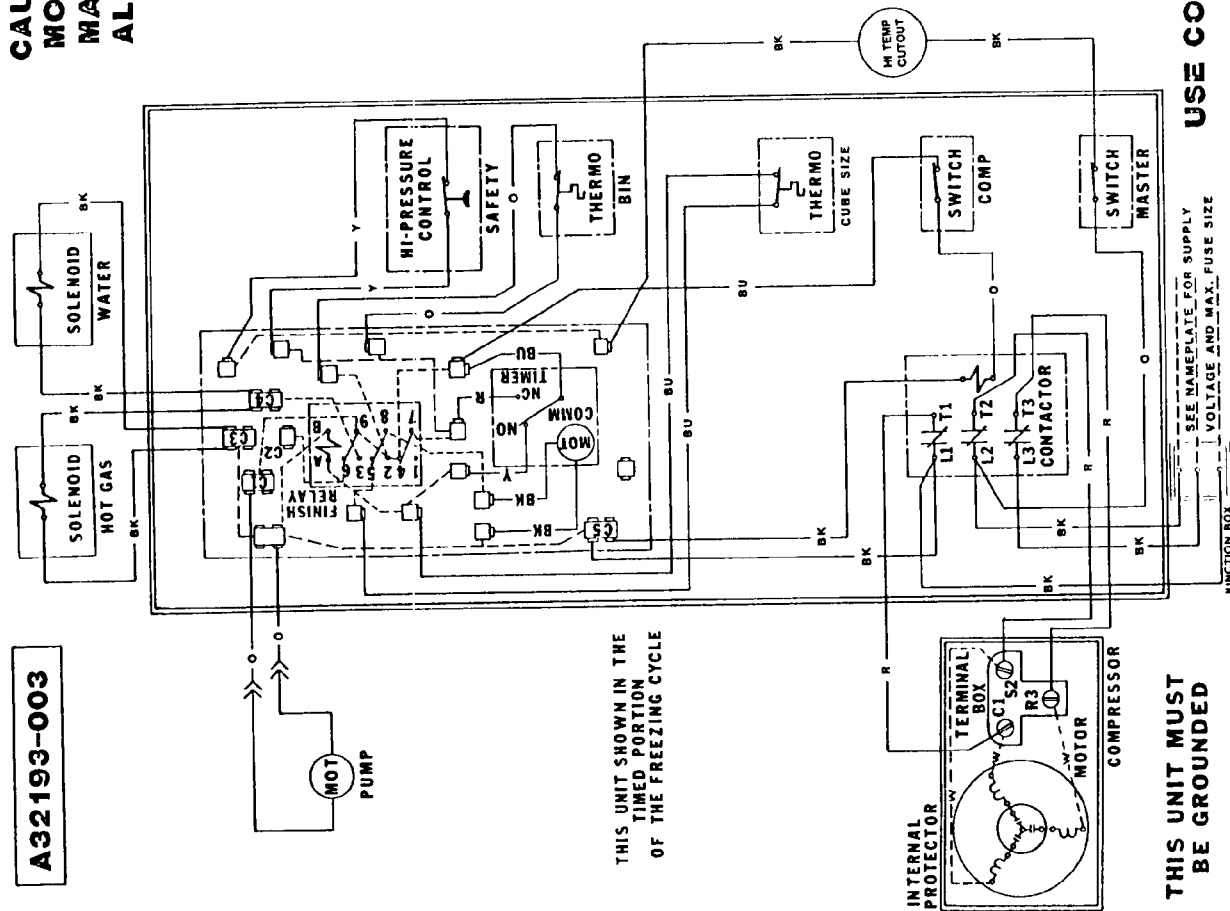
SEE NAMEPLATE FOR SUPPLY
VOLTAGE AND MAX. FUSE SIZE

**THIS UNIT MUST
BE GROUNDED**

Wiring Diagram CM650AE-3D (208-220/60/3)

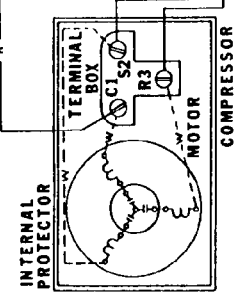
CM650D WIRING DIAGRAM

CAUTION:
MORE THAN ONE DISCONNECT MEANS
MAY BE REQUIRED TO DISCONNECT
ALL POWER TO THIS UNIT.



A32193-003

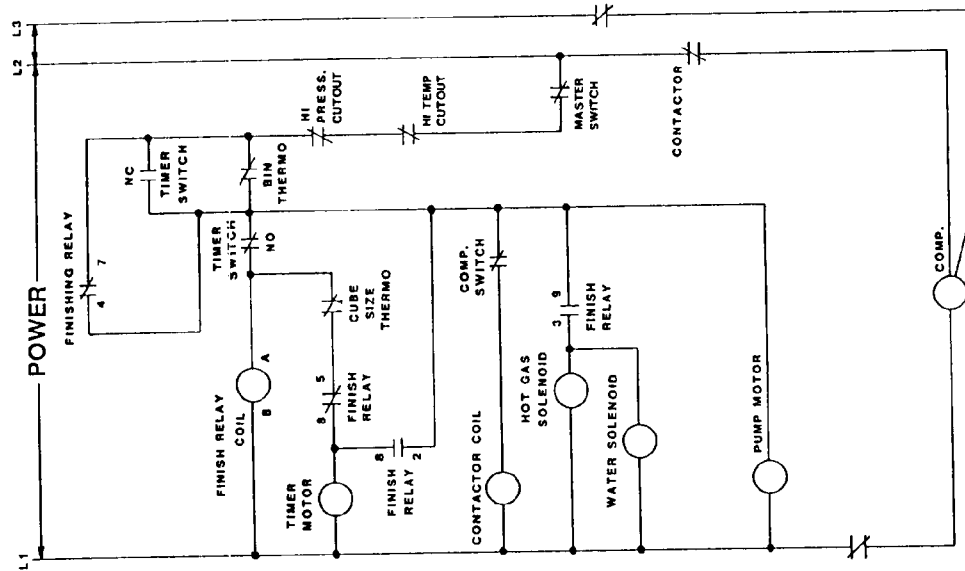
THIS UNIT SHOWN IN THE
TIMED PORTION
OF THE FREEZING CYCLE



**THIS UNIT MUST
BE GROUNDED**

USE COPPER CONDUCTORS ONLY

SEE NAMEPLATE FOR SUPPLY
VOLTAGE AND MAX. FUSE SIZE



Wiring Diagram CM650WE-3D (208-220/60/3)