

CMS1402 SERVICE PARTS

This parts lists shows the service parts for the CMS1402 air cooled and the CMS1402 water cooled.

A “B” model was introduced in early 1992, the major change was the front panels.

Check the model number of the machine to be certain of obtaining the correct part.

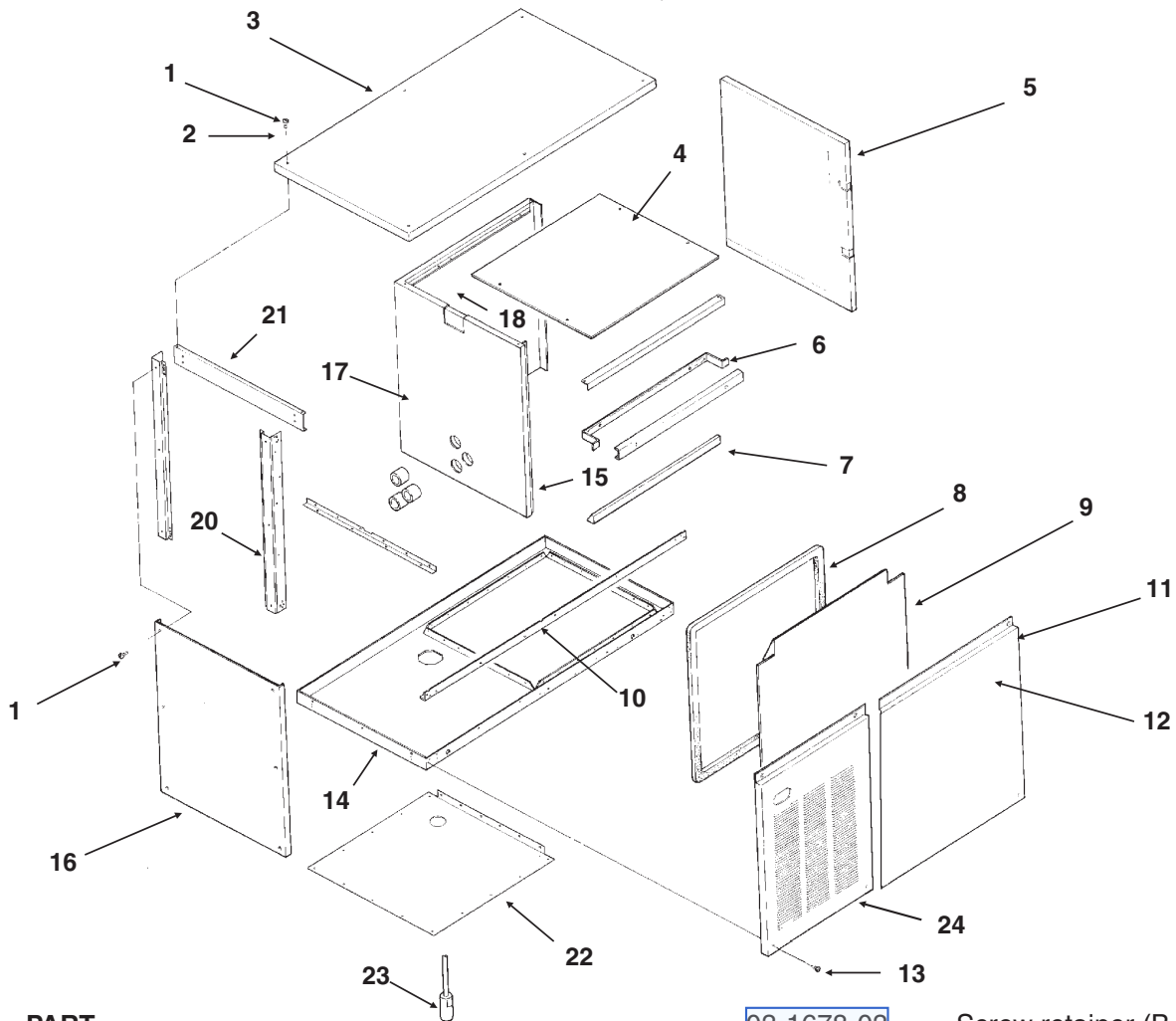
Included at the back of the parts list are the wiring diagrams.

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CMS1402 SERVICE PARTS

CABINET PARTS



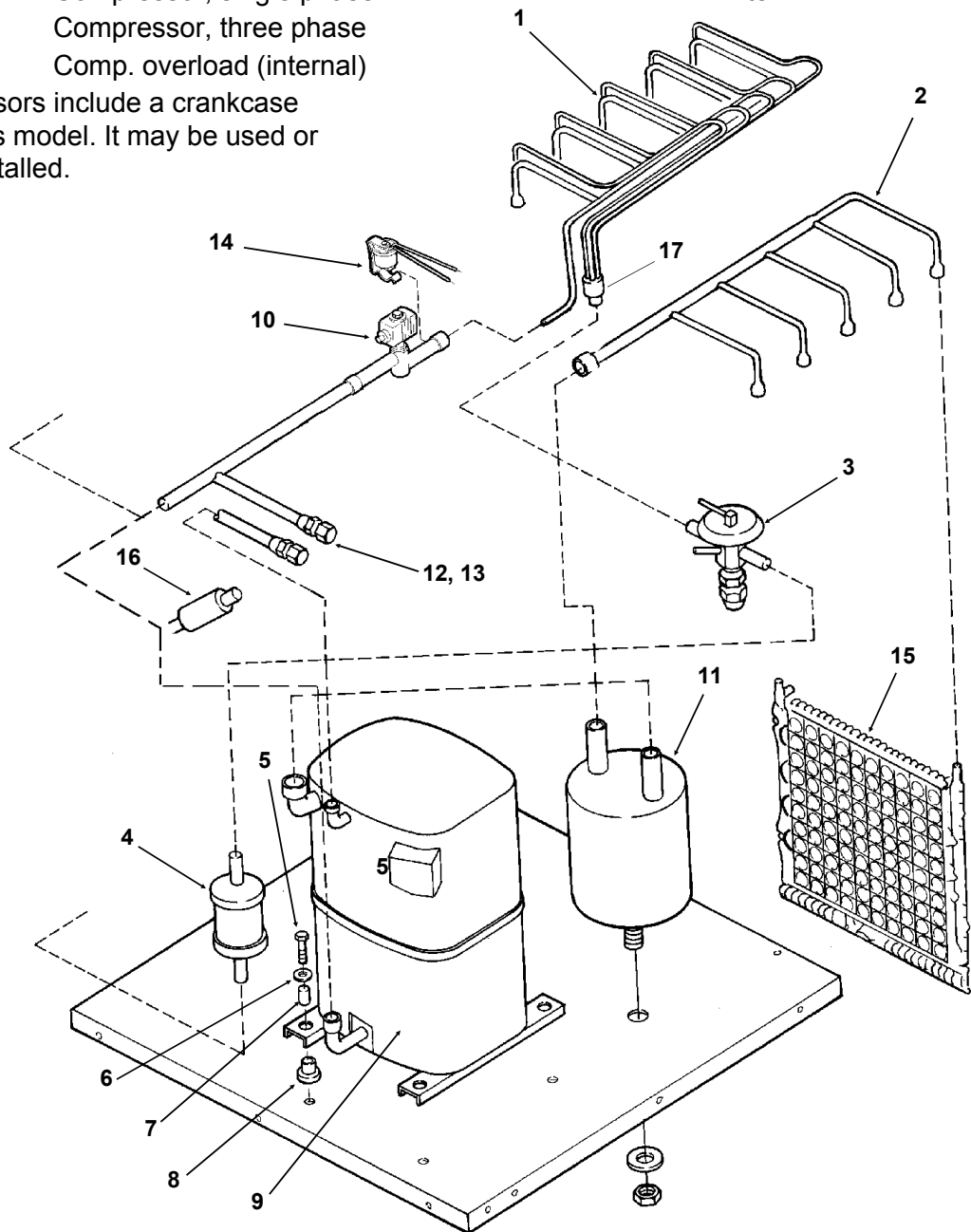
ITEM NUMBER	PART NUMBER	DESCRIPTION			
1	03-1531-01	Screws	12	03-1678-03	Screw retainer (B model)
2	03-1417-27	Washers	13	02-3252-01	Plastic bumper (B model)
3	A35074-001	Panel top (enamel)	14	15-0711-01	Emblem
	A35074-002	Panel top (stainless)	15	03-1404-19	Screws
4	A33364-001	Liner top	16	A35110-001	Base assembly
5	A29164-003	Right panel (enamel)	17	02-2533-01	Liner, left side
	A29164-002	Right panel (stainless)	18	A35075-001	Left side panel, enamel
6	A29204-001	Brace front	19	A35075-002	Left side panel, stainless
7	02-2532-01	Liner cap	20	no number	Retainer
8	13-0595-00	Gasket (order per foot)	21	02-2531-01	Liner back
9	02-2795-01	Liner, front panel	22	02-2534-01	Right side liner
10	03-1678-01	Speed clip (B model)	23	A35069-001	Corner post
11	A35080-021	A model front panel (enamel)	24	A35066-001	Brace
	A35080-022	A model front panel, (stainless)		02-3151-01	Plastic cover
	A35401-022	B model right front panel, stainless		A34908-021	Transducer
	A35401-021	B model right front panel, painted		A35400-001	B model left frnt pnl, painted
	Front panels include insulation and liner.			A35400-002	B model left frnt pnl, stainless
	03-1678-04	Thumb screw (B model)		03-1678-02	Panel screw (B model)
				02-3252-01	Plastic bumper (B model)

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REFRIGERATION SYSTEM

ITEM NUMBER	PART NUMBER	DESCRIPTION	ITEM NUMBER	PART NUMBER	DESCRIPTION
1	A35122-001	Evap. manifold assy	10	12-2290-22	Hot gas valve
2	A31816-001	Manifold assy		02-3231-03	Hot gas valve filter
3	16-0816-21	Expansion valve	11	16-0817-21	Accumulator
	13-0617-51	O-Ring	12	16-0560-00	Valve core
	02-2920-01	Foam insulation	13	16-0563-00	Valve cap
4	02-3319-02	Drier	14	12-2300-07	Hi temp cut out
5	03-1405-20	Screw	15	A30296-020	Evaporator plate
6	03-1407-07	Washer	16	11-0465-21	Hi press. cut out (A.C.)
7	18-2200-27	Sleeve		11-0463-22	Hi press. cut out (W.C.)
8	18-2200-28	Grommet	17	16-0790-01	Distributor, included in item 1.
9	18-8864-22	Compressor, single phase			
	18-8864-21	Compressor, three phase			
	no number	Comp. overload (internal)			

Replacement compressors include a crankcase heater, not used on this model. It may be used or disconnected when installed.

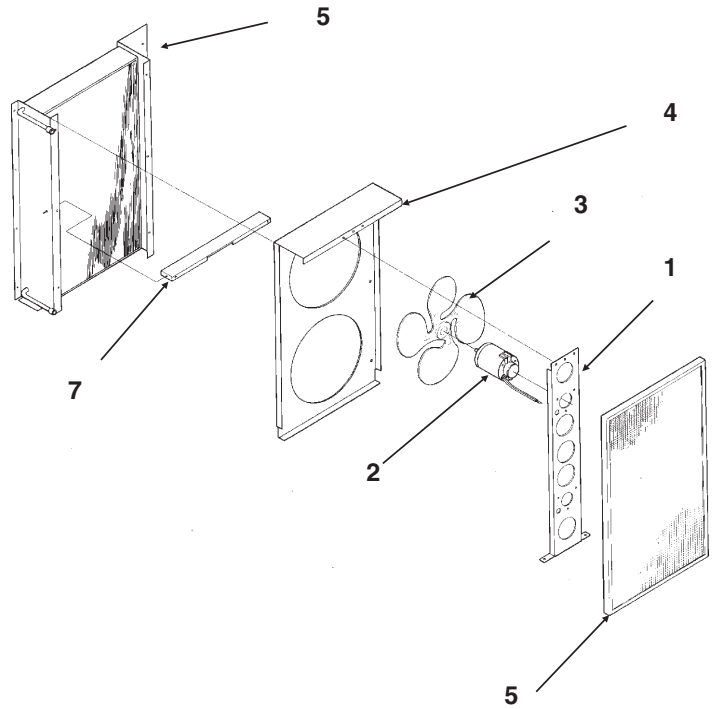


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CONDENSING ASSEMBLIES

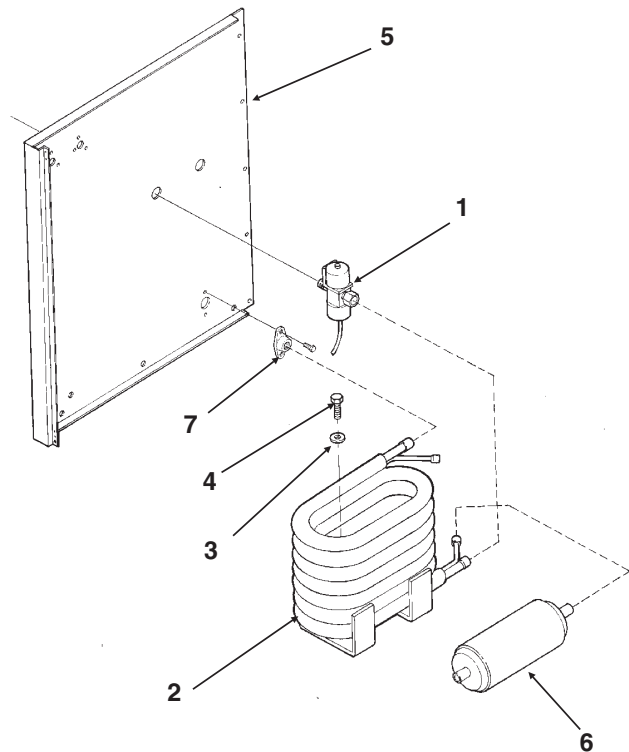
AIR COOLED MODELS

ITEM NUMBER	PART NUMBER	DESCRIPTION
1	A35103-001	Fan Bracket
2	18-5105-02	Fan Motor
3	18-8503-01	Fan Blade
4	A35104-001	Condenser Shroud
5	18-8502-01	Condenser
6	02-3164-01	Filter
7	A35102-001	Condenser divider



WATER COOLED MODELS

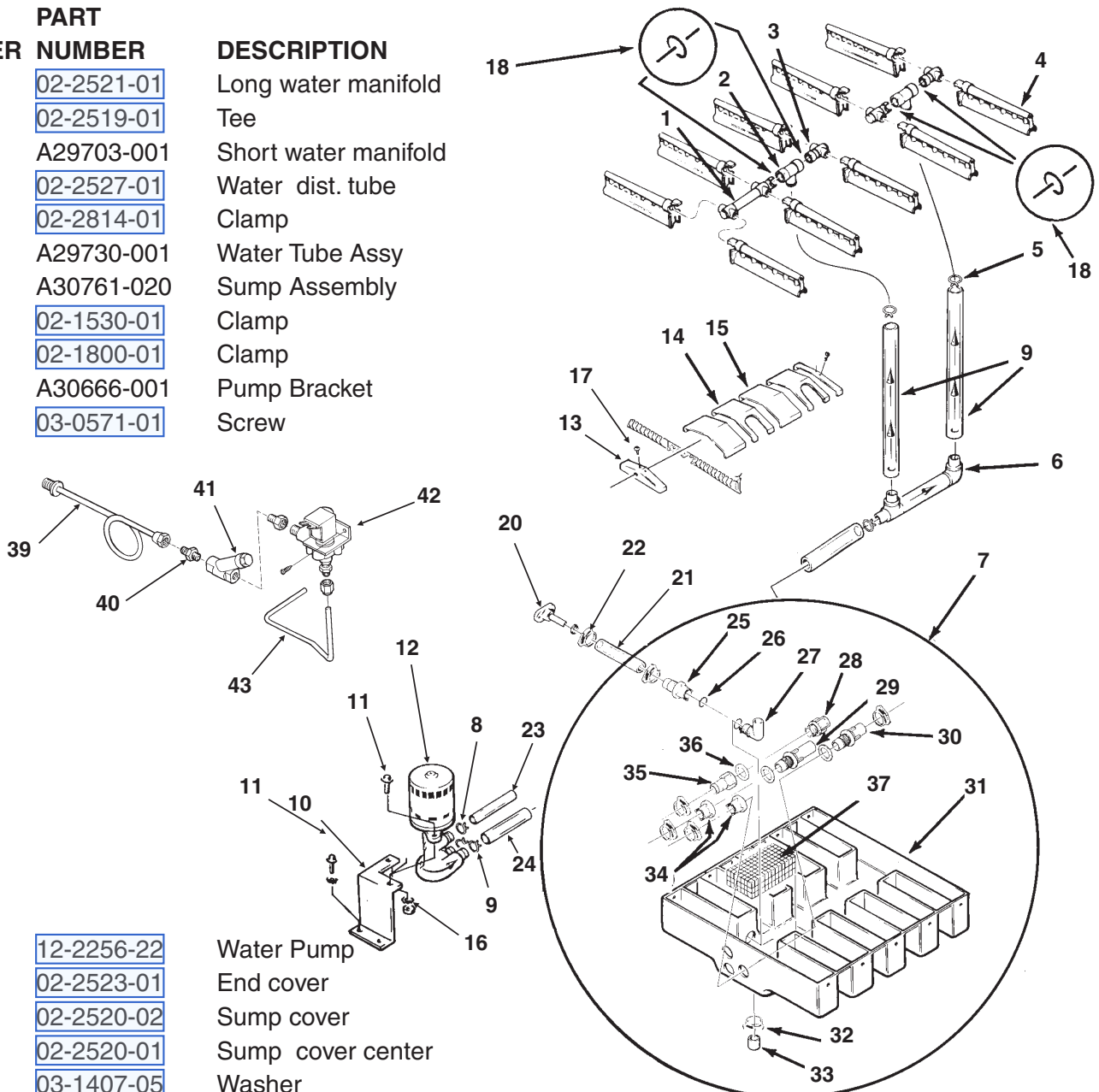
ITEM NUMBER	PART NUMBER	DESCRIPTION
1	11-0424-21	Water Regulator Valve
2	18-6302-01	Condenser, Water Cooled
3	03-1407-05	Washer
4	03-0571-01	Screw
5	A35070-001	Left back panel
6	02-2628-01	Receiver
7	A31828-001	Drain casting



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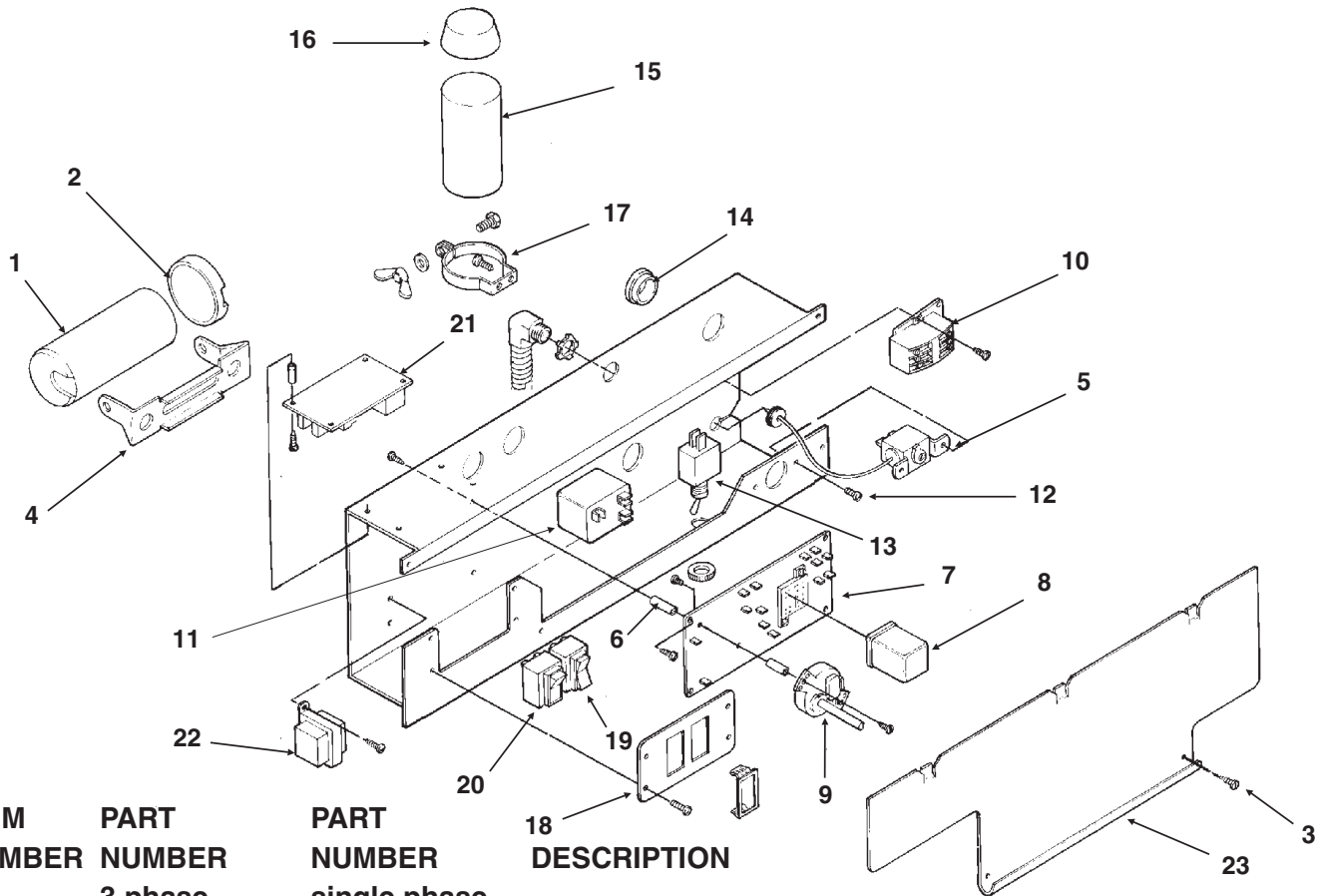
WATER SYSTEM

ITEM NUMBER	PART NUMBER	DESCRIPTION
1	02-2521-01	Long water manifold
2	02-2519-01	Tee
3	A29703-001	Short water manifold
4	02-2527-01	Water dist. tube
5	02-2814-01	Clamp
6	A29730-001	Water Tube Assy
7	A30761-020	Sump Assembly
8	02-1530-01	Clamp
9	02-1800-01	Clamp
10	A30666-001	Pump Bracket
11	03-0571-01	Screw



12	12-2256-22	Water Pump	30	02-2793-01	Inlet tube
13	02-2523-01	End cover	31	no number	sump pan
14	02-2520-02	Sump cover	32	02-1530-01	Clamp
15	02-2520-01	Sump cover center	33	13-0796-01	Rubber cap
16	03-1407-05	Washer	34	02-2791-01	Water inlet nut
17	03-1531-01	Screw	35	02-2606-01	Female tube
18	13-0617-48	O-ring	36	13-0617-02	O-ring
19	13-0674-07	Hose (18.5")	37	A30760-001	Screen
20	A31757-002	Drain	39	A35119-001	Water inlet assy.
21	13-0674-07	Tube, drain (7")	40	16-0791-01	Half unio
22	02-2814-12	Hose clamp	41	16-0162-00	Strainer
23	13-0674-07	Tube, need 6.25"	42	12-1646-04	Inlet water valve
24	13-0674-08	Tube, need 6.6"	43	A35117-001	Tube
25	02-2606-01	Female tube			
26	13-0617-02	O-ring			
27	02-2125-01	Elbow			
28	A29342-001	Overflow			
29	02-2792-01	Pick Up tube			

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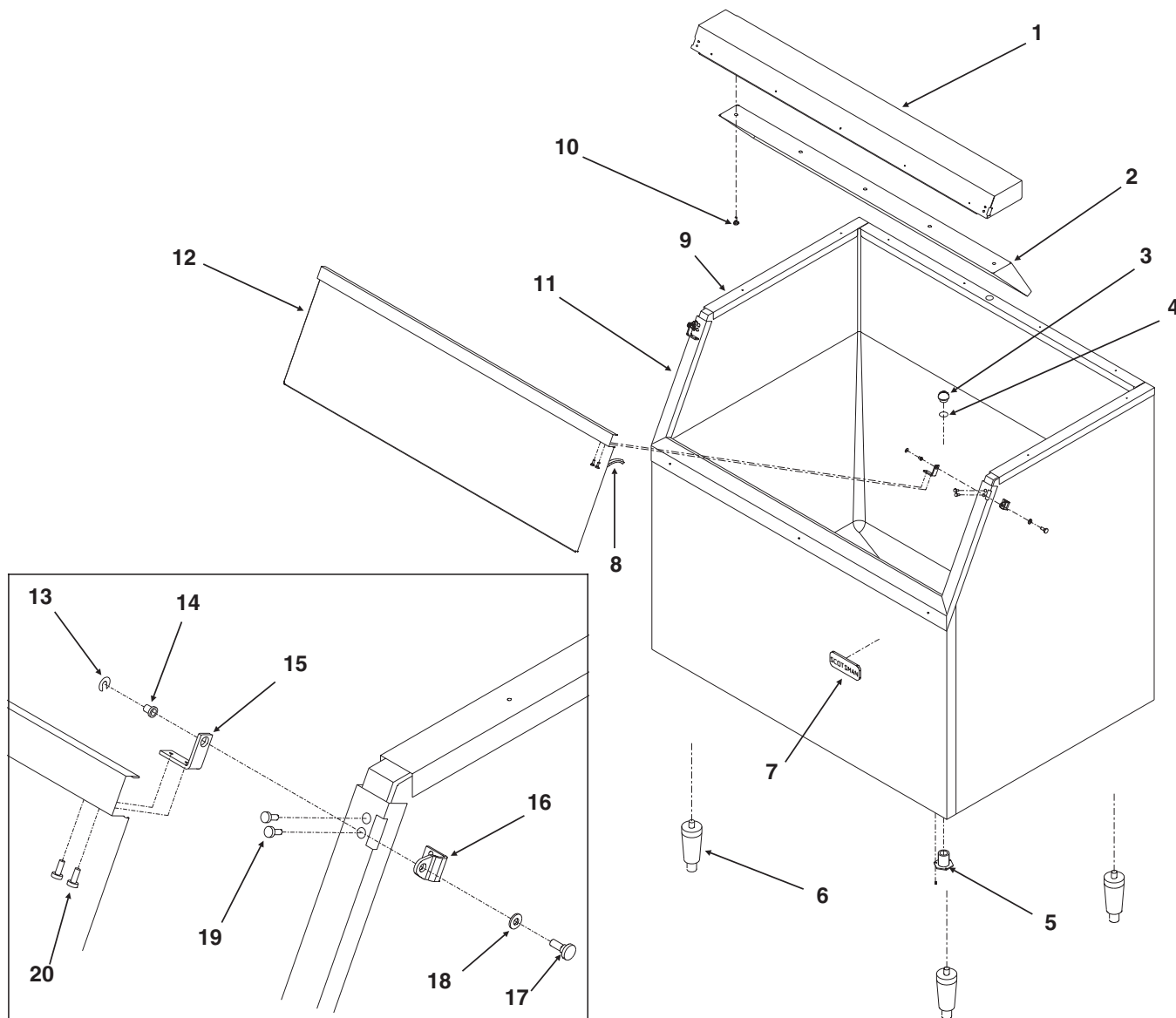


ITEM NUMBER	PART NUMBER 3 phase	PART NUMBER single phase	DESCRIPTION
1	-	18-1901-27	Start Capacitor
2	-	18-8702-01	Start Cap. Cap
3	-	03-1638-03	Screw
4	-	18-2200-39	Start cap. bracket
5	11-0351-22	same	Cube Size Control
6	02-2242-02	same	Stand off
7	12-1912-01	same	Circuit board
8	12-1879-03	same	Relay
9	12-2628-22	same	Timer & Switch
10	12-0739-02	12-2469-02	Contactor
11	-	18-1903-28	Potential Relay (not illustrated)
12	03-1403-17	same	Screw
13	12-0426-01	same	Comp. Switch
14	-	12-1213-12	Snap busing
15	-	18-1902-27	Run capacitor
16	-	13-0666-00	Terminal cover
17	-	A34314-001	Run Cap Bracket
18	02-3173-01	same	Switch plate
19	12-2414-01	same	Wash- Off - Ice switch
20	12-2411-01	same	Bin ice level switch
	12-2402-01	same	Wire harness, bin level switch to board
21	12-2376-21	same	Ice level control circuit board
22	12-2285-22	same	Transformer
23	A35082-001	same	Control box cover

The Fan Control is located behind control box.
[11-0426-22](#) is the part number

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BH900 ICE STORAGE BIN



ITEM NUMBER	PART NUMBER	DESCRIPTION
1	A35322-020	Canopy Assembly
2	A35152-001	Ice Baffle
3	02-2809-01	Drain Top
4	13-0617-11	O-ring
5	02-3201-01	Drain casting
6	KLP2E	Leg Kit, Black
	KLP2S	Leg Kit, Nickel Plated
7	15-0711-01	Emblem
8	13-0595-00	Door gasket(6.25' reg.)
9	19-0503-04	Bin gasket
10	03-0727-11	Baffle screw
11	A35275-020	Door frame assy.
12	A35323-001	Door with gasket
13	03-1539-09	"E" ring

ITEM NUMBER	PART NUMBER	DESCRIPTION
14	02-2380-01	Hinge bushing
15	02-3195-01	Door hinge
16	02-3196-01	Bin hinge
17	02-2806-01	Shoulder screw
18	02-2380-02	Spacer
19	03-1403-29	Screw 10-24
20	03-1403-24	Screw 10-24
21	02-0540-00	Scoop

CMS1402 SERVICE PARTS

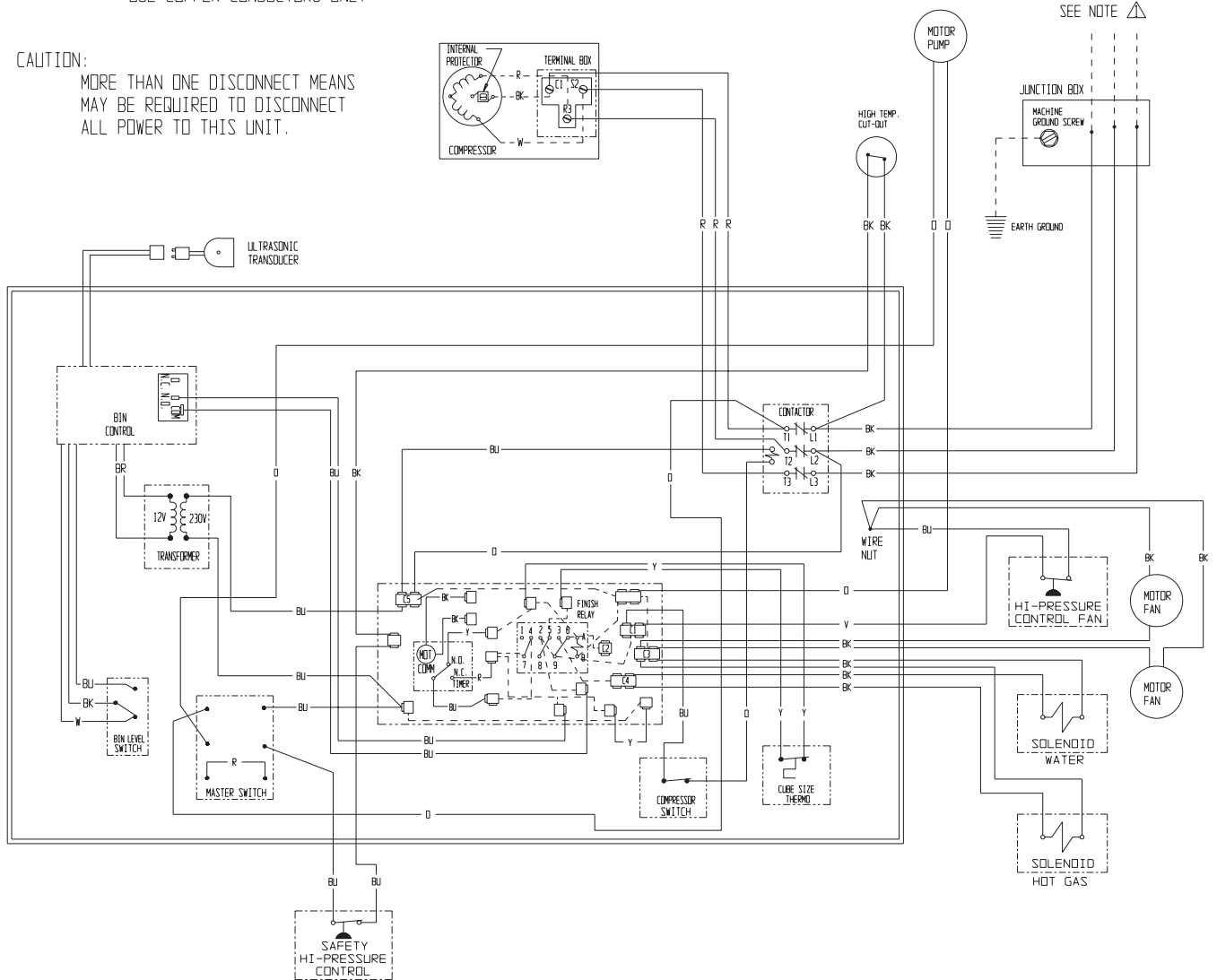
208-230/60/3 Air Cooled

A35439-003

THIS UNIT MUST BE GROUNDED
USE COPPER CONDUCTORS ONLY

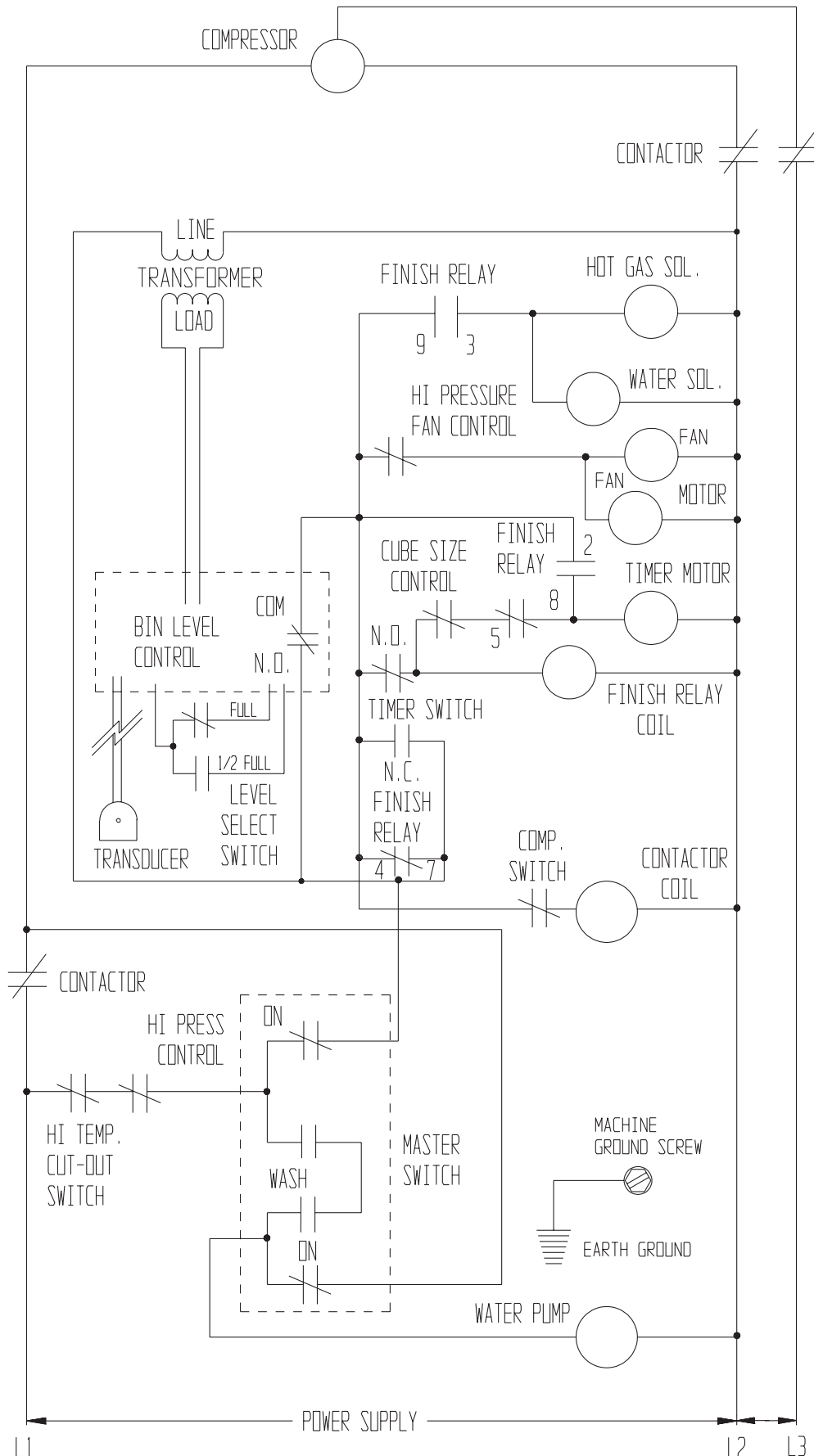
CAUTION:

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



CMS1402 SERVICE PARTS

208-230/60/3 Air Cooled



CMS1402 SERVICE PARTS

208-230/60/1 Air Cooled

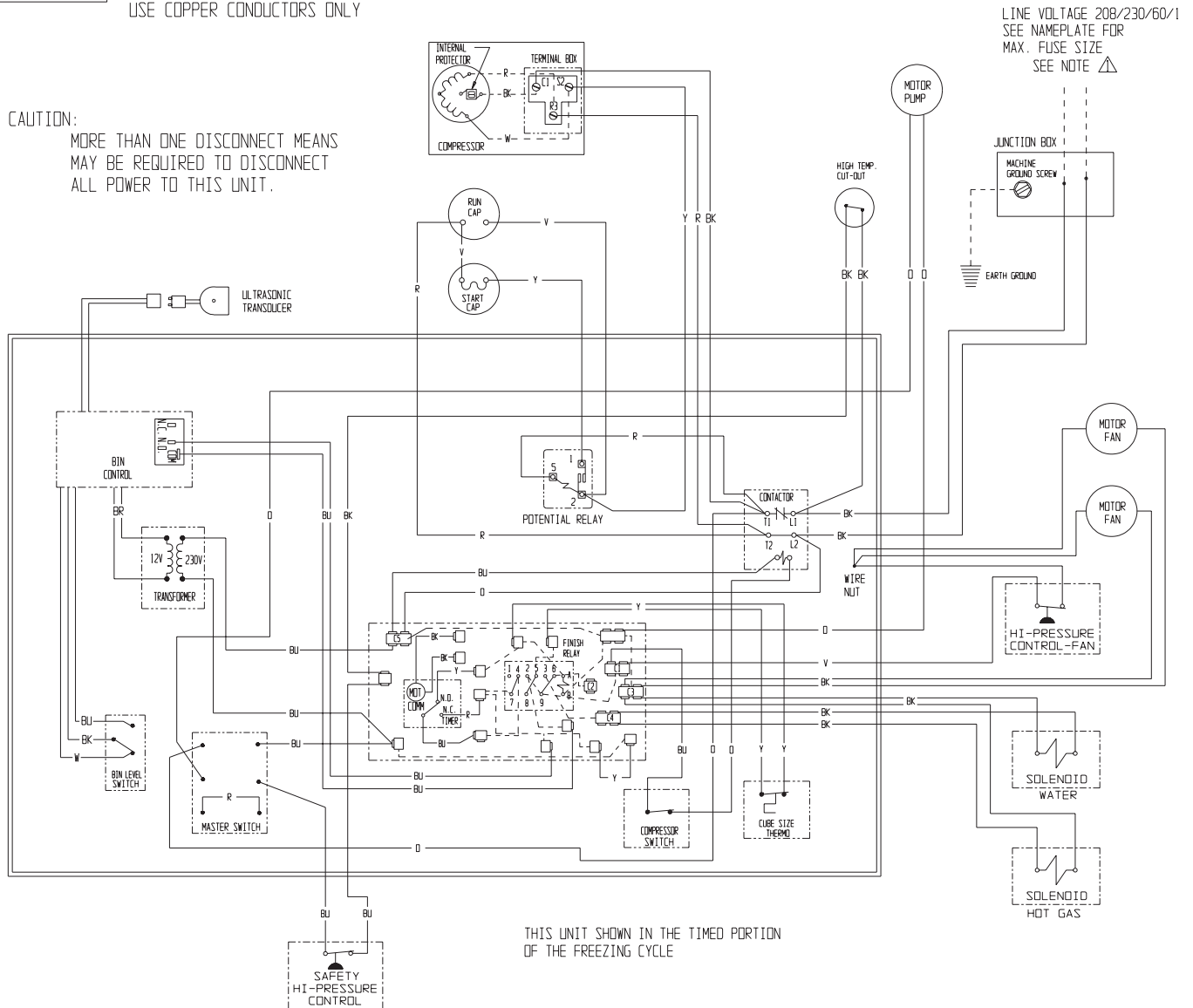
A35303-032

THIS UNIT MUST BE GROUNDED
USE COPPER CONDUCTORS ONLY

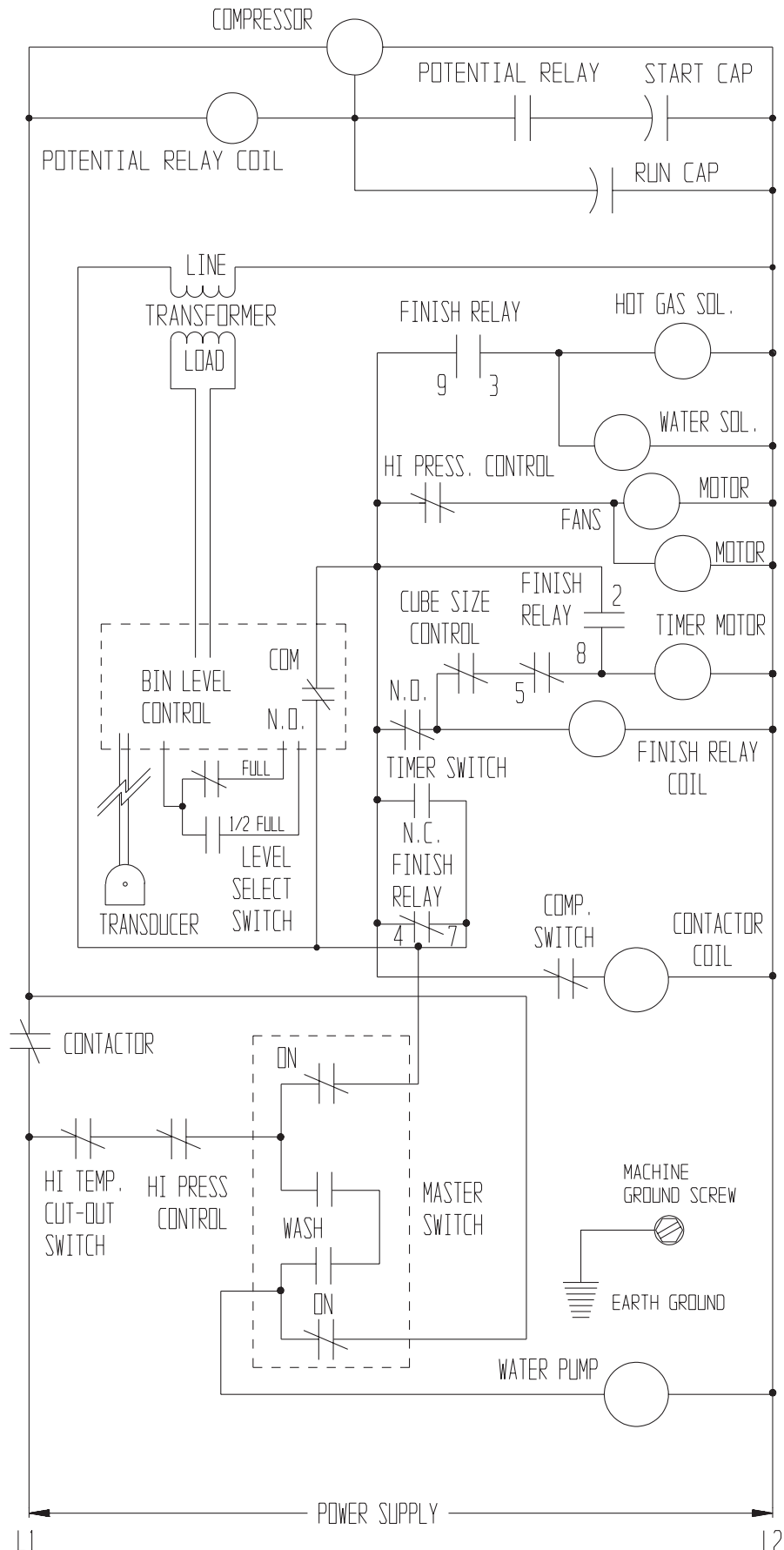
NOTE:
△ DASHED LINES INDICATE FIELD WIRING WHICH MUST BE
INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL
CODE AND ALL STATE AND LOCAL CODES.

CAUTION:

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



208-230/60/1 Air Cooled



CMS1402 SERVICE PARTS

208-230/60/3 Water Cooled

A35440-003

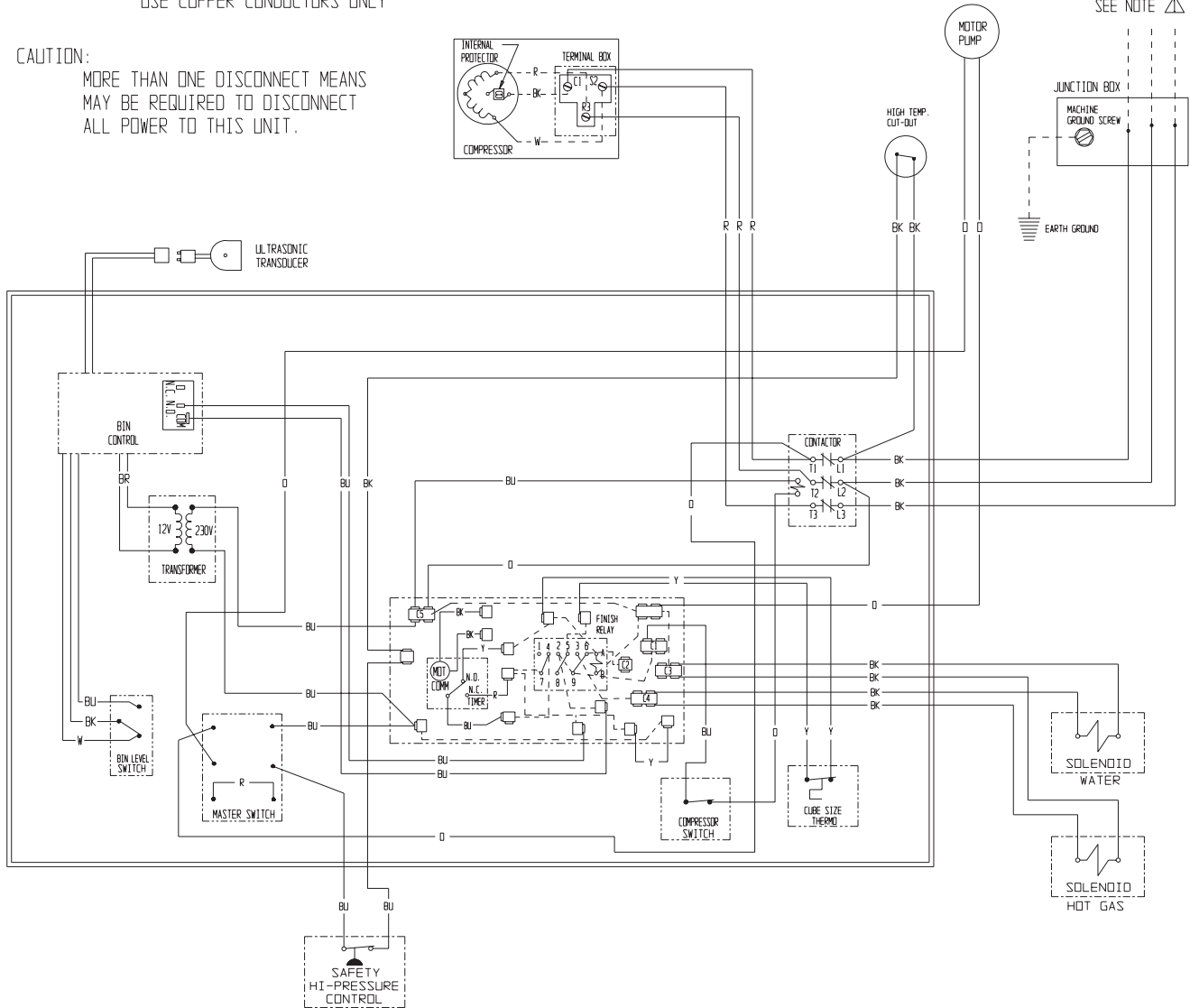
THIS UNIT MUST BE GROUNDED
USE COPPER CONDUCTORS ONLY

CAUTION:

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

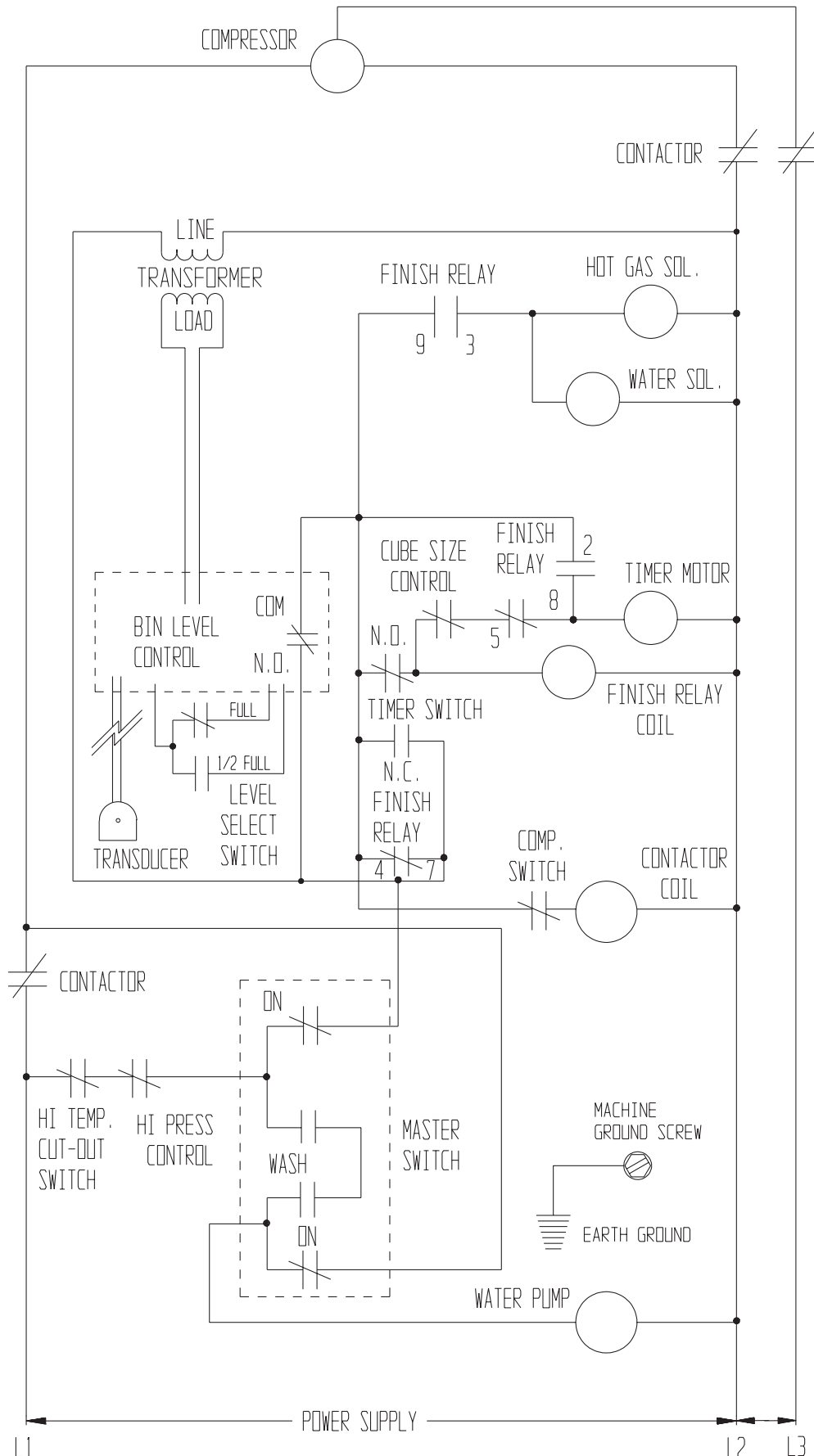
SEE NAMEPLATE FOR
POWER SUPPLY VOLTAGE
AND MAX. FUSE SIZE

SEE NOTE 



CMS1402 SERVICE PARTS

208-230/60/3 Water Cooled



CMS1402 SERVICE PARTS

208-230/60/1 Water Cooled

NOTE:
 ▲ DASHED LINES INDICATE FIELD WIRING WHICH MUST BE
 INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL
 CODE AND ALL STATE AND LOCAL CODES.

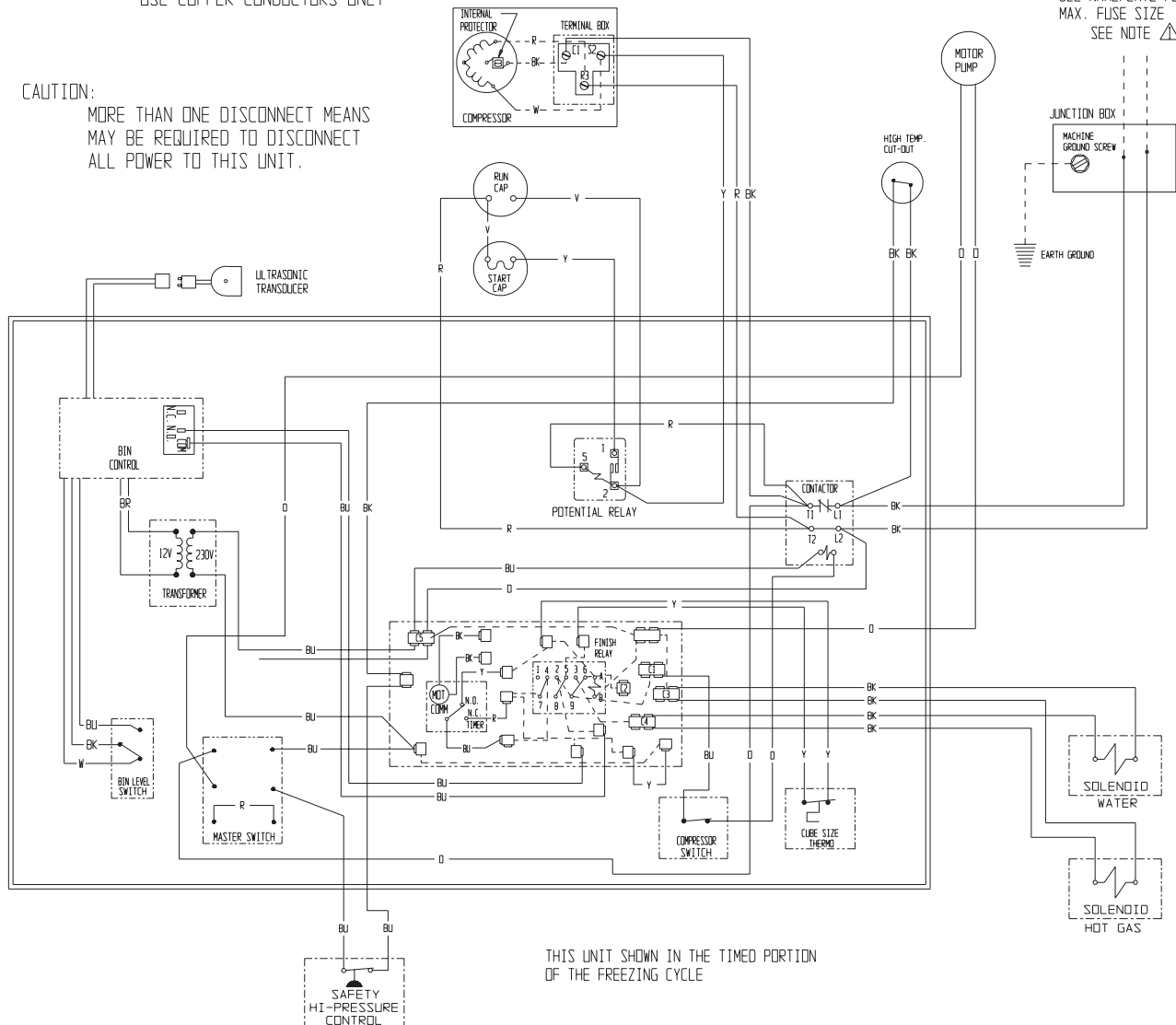
A35304-032

THIS UNIT MUST BE GROUNDED
 USE COPPER CONDUCTORS ONLY

CAUTION:

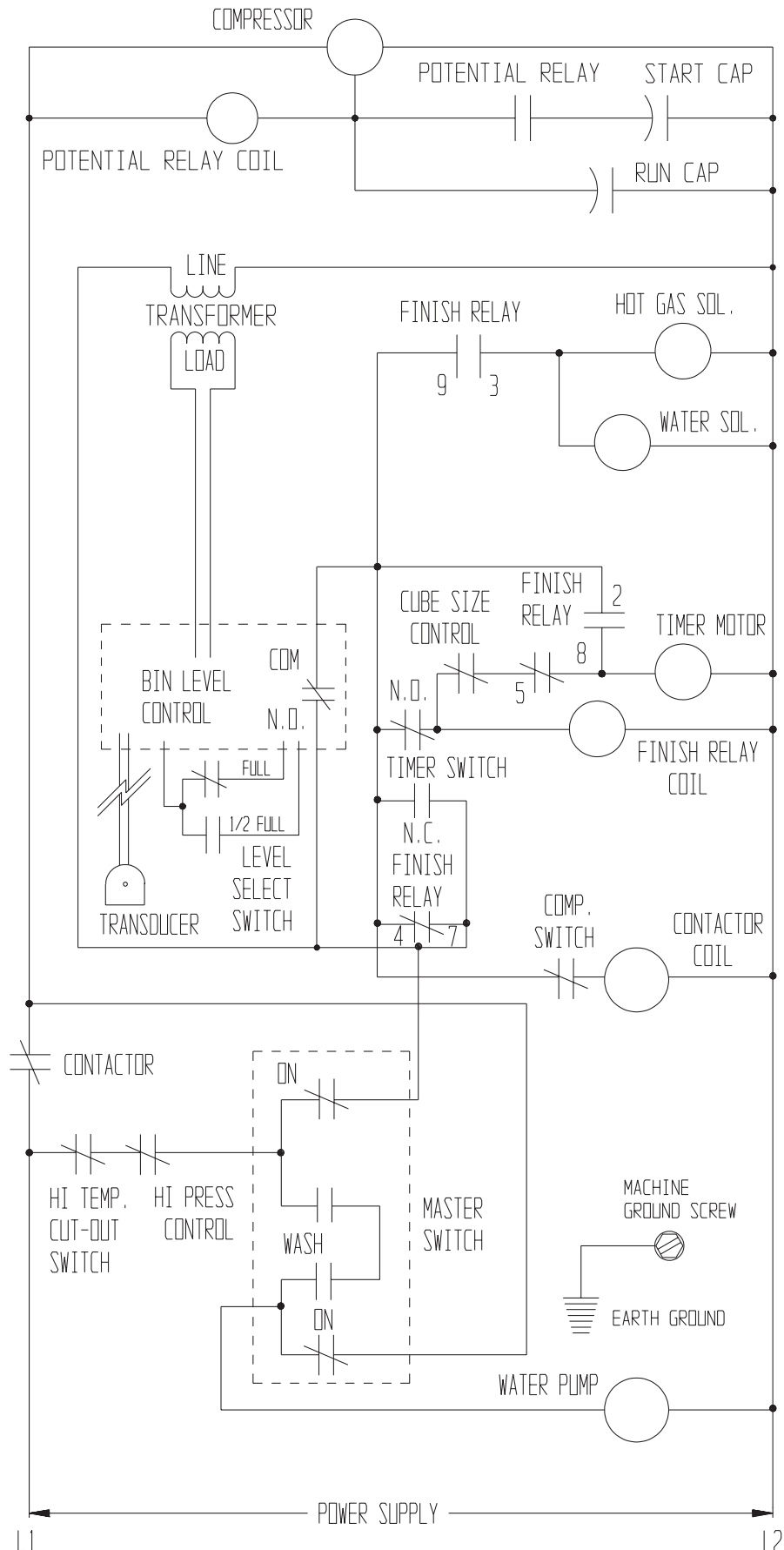
MORE THAN ONE DISCONNECT MEANS
 MAY BE REQUIRED TO DISCONNECT
 ALL POWER TO THIS UNIT.

LINE VOLTAGE 208/230/60/1
 SEE NAMEPLATE FOR
 MAX. FUSE SIZE
 SEE NOTE ▲



CMS1402 SERVICE PARTS

208-230/60/1 Water Cooled



SERVICE BULLETIN

Subject: CME1202 and CME1402 control circuit enhancement.

Beginning with May 1997 production (-11N), a thermostat and relay will have been added to all versions of the above two models. The benefit of this enhancement is that it greatly reduces the impact of ambient temperature changes - machines with this circuit will automatically adjust the harvest cycle length as needed to release all ice.

The thermostat and relay form the working components of a new circuit that, under certain low temperature conditions, by-passes the timer during the harvest cycle. The timer still operates as it has, except when the low temperature conditions are present.

There is a kit available to add this part to any prior CME1202, CME1402, CMS1202 or CMS1402. The part number is: **A37281-020**.

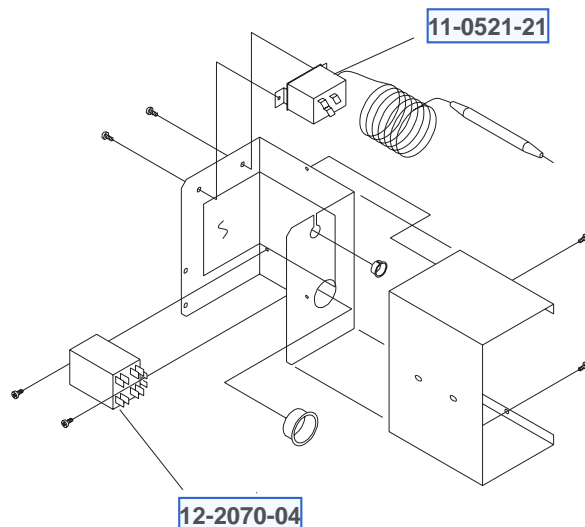
How it works (refer to schematic diagram on the back):

When the unit is harvesting under low temperatures, the thermostat, sensing the inlet tube of the accumulator, will be closed. This connects power to the relay coil, which then closes contacts 7-4, which parallel and by-pass the plug-in finish relay contacts 9-3. When this happens the timer motor will stop at the end of its normal harvest time but the machine continues to harvest until the suction line temperature warms up and the thermostat opens, cutting power to the relay coil and breaking the by-pass circuit. In effect, this means that the timer always determines the MINIMUM harvest time, and, when conditions are cold, the new control circuit determines the MAXIMUM harvest time, which will vary as needed.

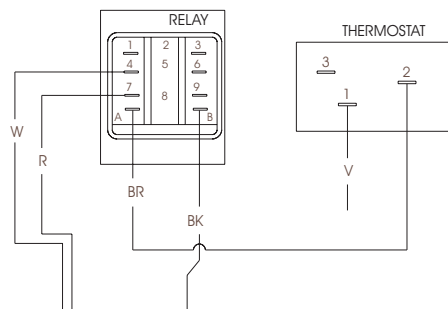
Under normal conditions the new circuit does not affect the machine at all.

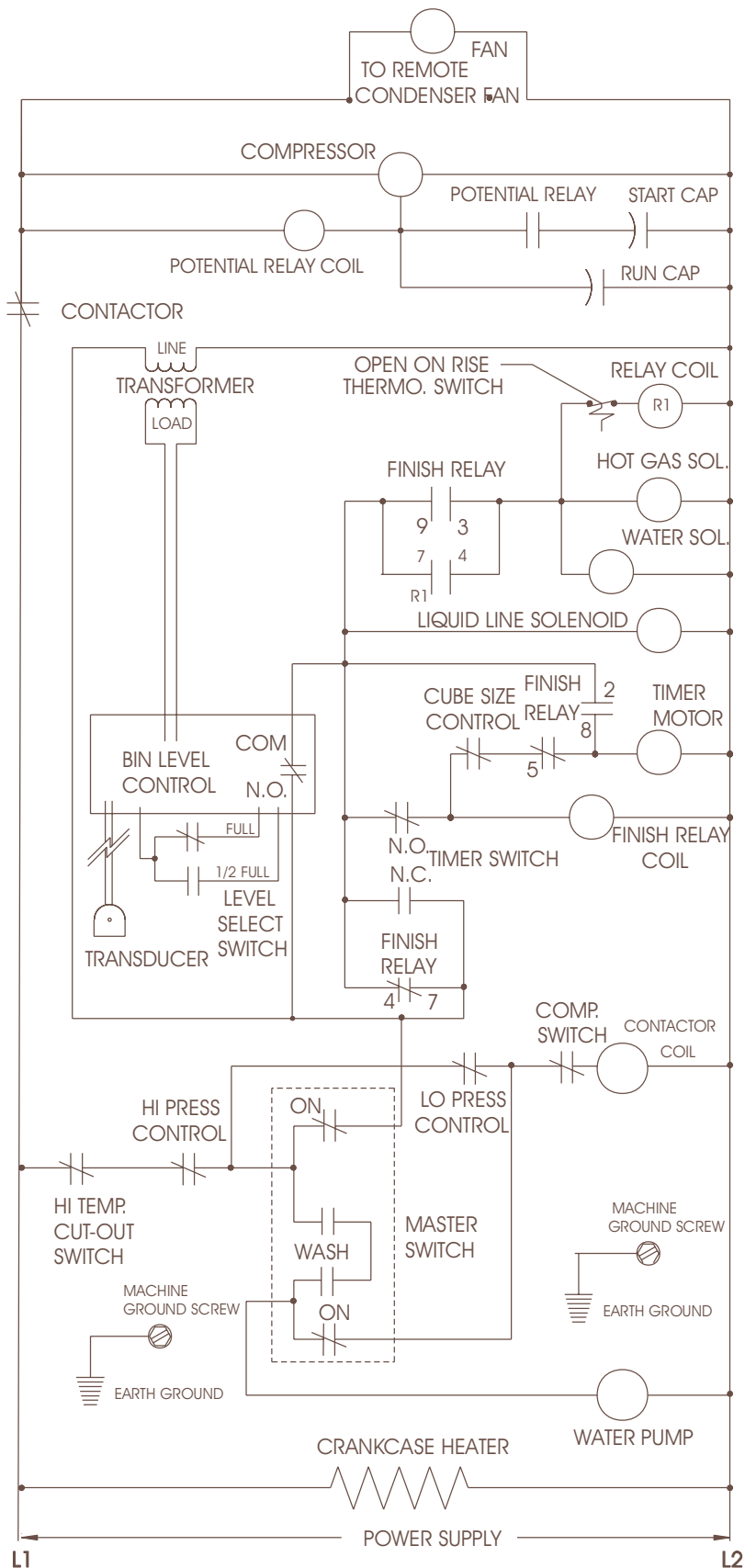
Two service parts are available: The thermostat, its part number is: 11-0521-21 and it includes the clamps and screws needed to attach it to the suction line. The relay part number is 12-2070-04.

A schematic diagram of a single phase remote is on the back of this bulletin. Three phase will be similar.



Kit Wiring Detail





THIS UNIT SHOWN IN THE TIMED PORTION
OF THE FREEZING CYCLE