CM500 SERVICE PARTS

This section contains the parts illustrations and parts lists for the CM500.

A "no number" designation, when found in the part number column, indicates the part in question is not available from Scotsman as an assemby. This designation is used only for clarity in making the list.

When ordering parts, to avoid costly delays and errors, give the part number, the complete description as shown in the list, and the quantity of each part or assembly required.

CM500's have been manufactured in "C", "D" and "E" series (as in CM500AE-1E).

Check the complete model number to match up with the correct part number in this list.

"E" series production began in June 1992. Major differences between the "D" and the "E" are the compressor and related starting components.

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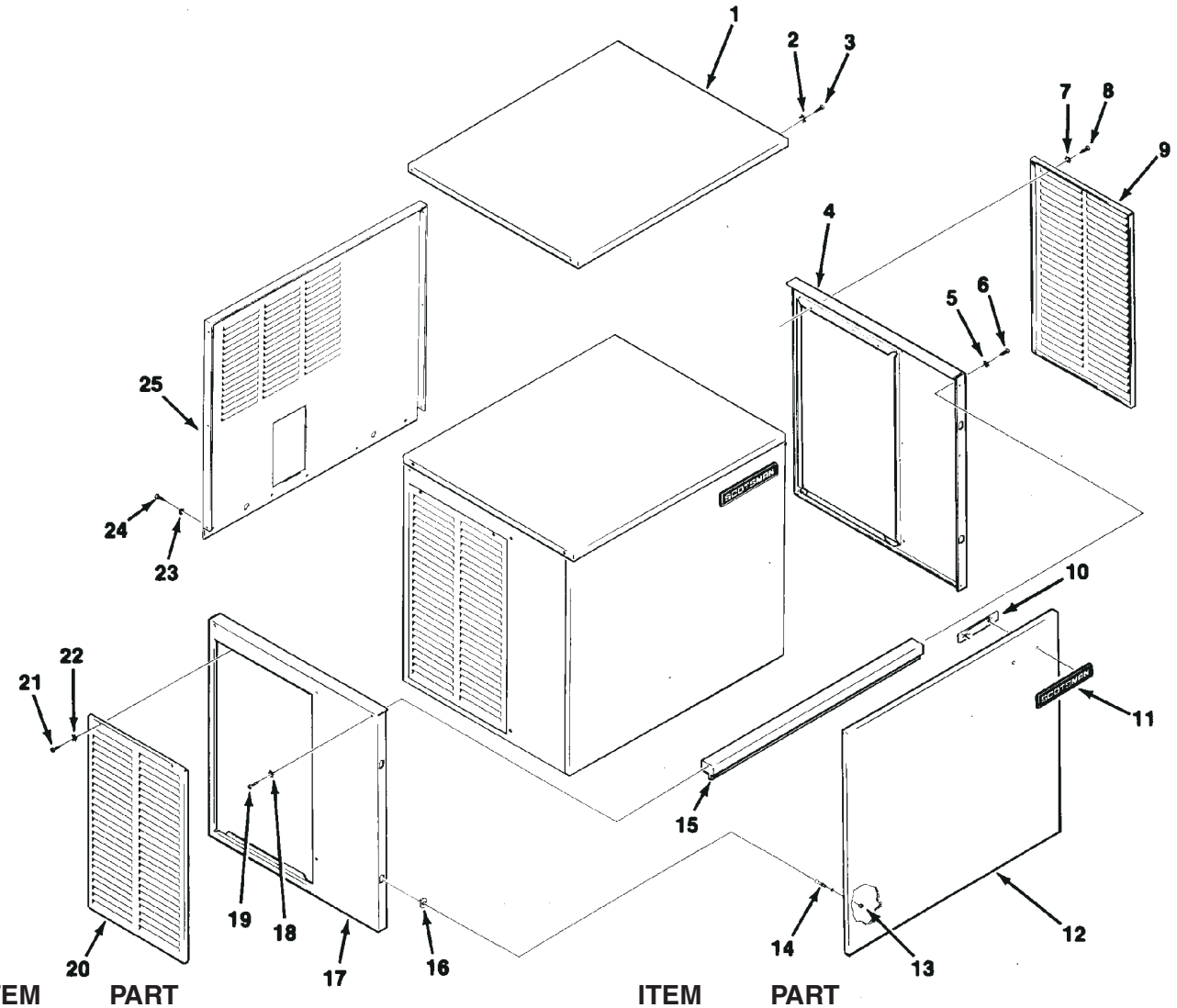
CM500 SERVICE PARTS

CABINET ASSEMBLY: D and E series, C series parts are obsolete.

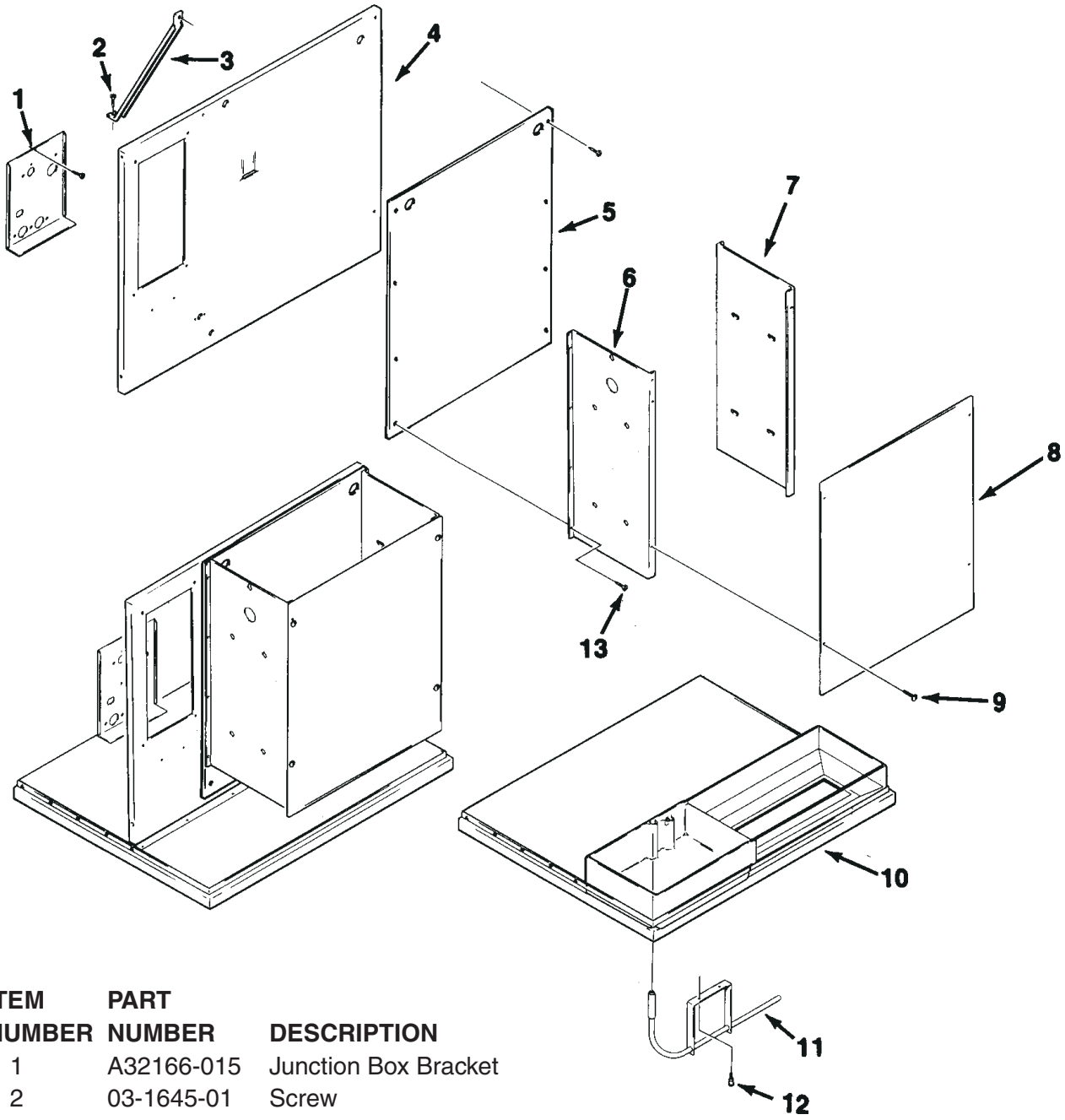


ITEM NUMBER	PART NUMBER	DESCRIPTION
1	A32159-001	Top Panel, Painted
	A32159-002	Top Panel, S. S.
2	03-1417-03	Lockwasher
3	03-1531-01	Screw
4	A32162-001	Right End Panel, Paint
	A32162-002	Right End Panel, S.S.
5.	03-1417-03	Lockwasher
6	03-1531-01	Screw
7	03-1417-03	Lockwasher
8	03-1404-12	Screw
9	A32161-001	Service Panel, Painted
	A32161-002	Service Panel, S.S.
10	03-0271-00	Speed Nut
11	15-0711-01	Emblem
12	A32160-001	Front Panel, Painted
	A32160-002	Front Panel, S.S.

ITEM NUMBER	PART NUMBER	DESCRIPTION
13	03-1406-04	Nut
14	15-0411-00	Strike
15	A32169-001	Front Support
16	02-0836-00	Cabinet Catch
17	A32163-001	Left End Panel, Paint
	A32163-002	Left End Panel, S.S.
18	03-1417-03	Lockwasher
19	03-1531-01	Screw
20	A32161-001	Service Panel, sandalwood
	A33946-002	Service Panel, gray
Item 20 parts are plastic, fit late D and all E series		
21	03-1404-12	Screw
22	03-1412-03	Lockwasher
23	03-1417-03	Lockwasher
24	03-1531-01	Screw
25	A32202-003	Back Panel

CM500 SERVICE PARTS

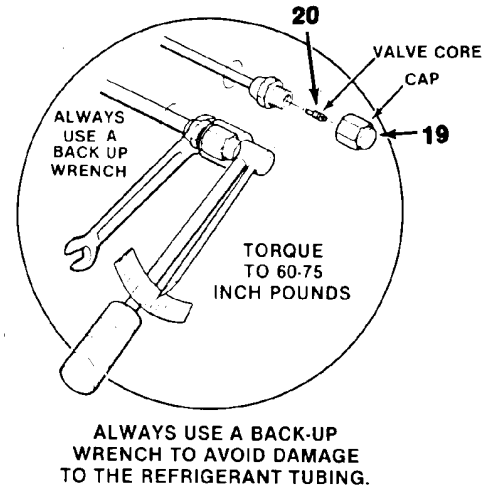
CABINET INTERIOR: D and E series, C series parts are obsolete.



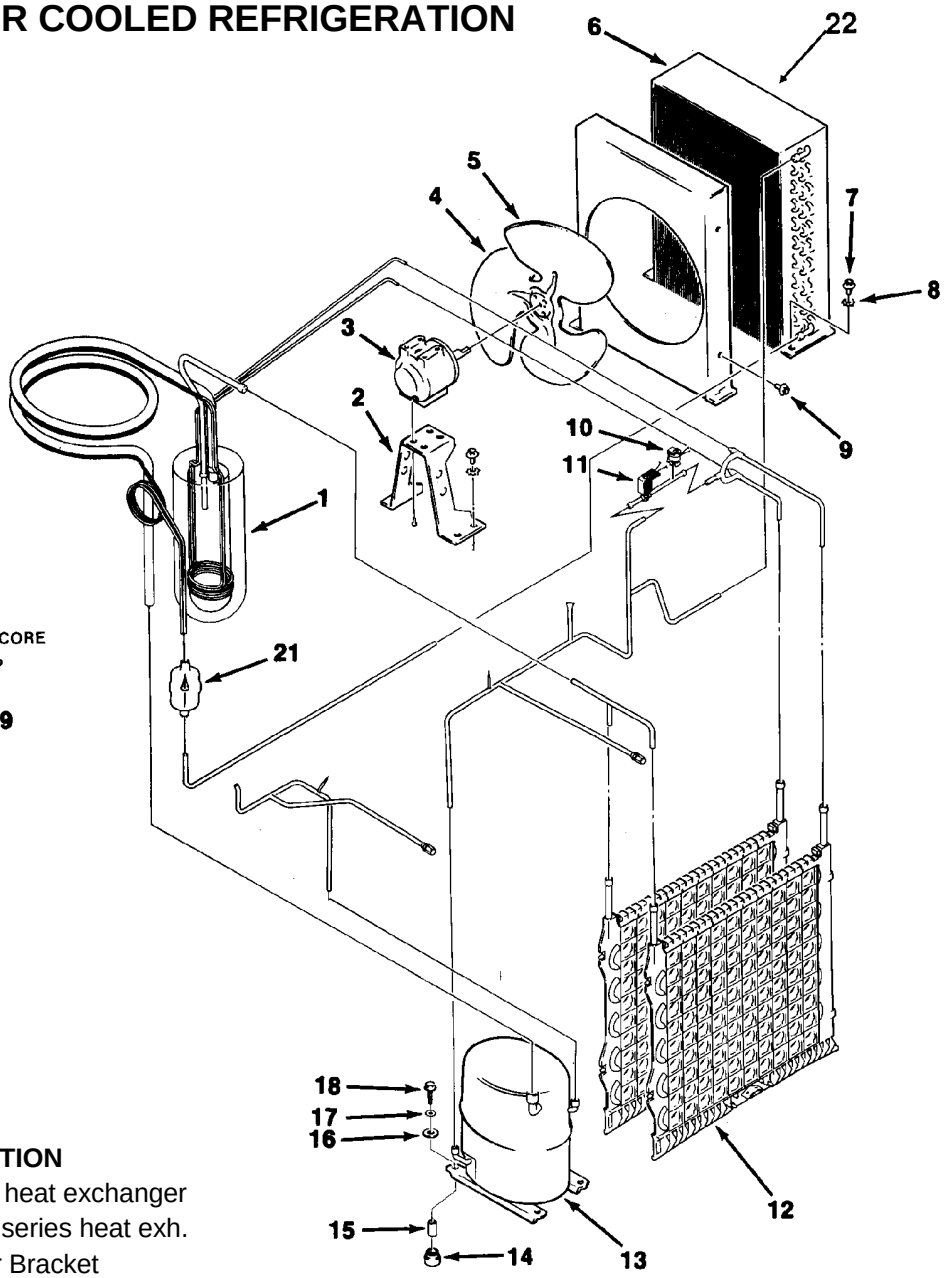
ITEM NUMBER	PART NUMBER	DESCRIPTION
1	A32166-015	Junction Box Bracket
2	03-1645-01	Screw
3	A32210-001	Support Brace
4	A32158-001	Retainer
5	02-2867-01	Splash Panel
6	A32173-001	Evaporator Bracket, left
7	A32172-001	Evaporator Bracket, right
8	02-3246-01	Evaporator Plate Cover
9	03-0727-09	Thumbscrew
10	A32153-001	Base
11	A32262-001	Bin Thermostat Bracket
12	03-0727-09	Thumbscrew
13	03-1531-02	Screw

CM500 SERVICE PARTS
AIR COOLED REFRIGERATION

Not Illustrated:
Hot Gas Valve Filter, use began with "E" model, part number: 02-3231-02



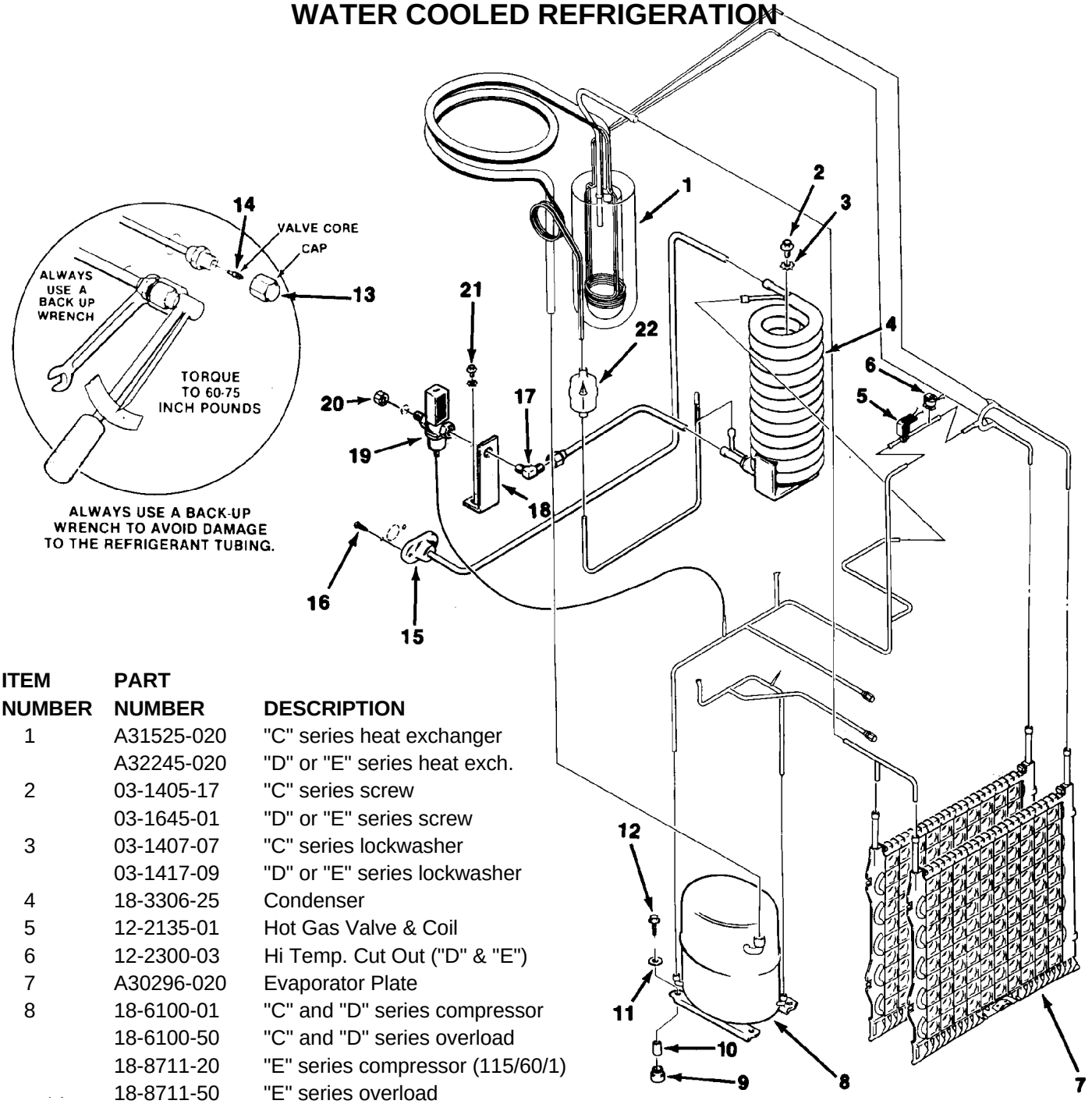
ALWAYS USE A BACK-UP WRENCH TO AVOID DAMAGE TO THE REFRIGERANT TUBING.



ITEM NUMBER	PART NUMBER	DESCRIPTION
1	A31525-020	"C" series heat exchanger
	A32245-020	"D" or "E" series heat exh.
2	18-3739-01	Fan Motor Bracket
3	18-5105-11	Fan Motor
4	18-3732-01	Fan Blade
5	02-2558-01	"C" series fan shroud
	A32171-001	"D" or "E" series fan shroud
6	18-0398-01	Condenser
7	03-1405-03	"C" series screw
	03-1645-01	"D" or "E" series screw
8	03-1410-03	Lockwasher
	03-1407-05	Washer
9	03-1531-01	Screw
10	12-2300-03	Hi Temp Cut Out "D" & "E"
11	12-2135-01	Hot Gas Valve
12	À30296-020	Evaporator

ITEM NUMBER	PART NUMBER	DESCRIPTION
13	18-6100-01	"C" and "D" series compressor
	18-6100-50	"C" and "D" series overload
	18-8711-20	"E" series compressor (115/60/1)
	18-8711-50	"E" series overload)
14	18-6800-01	Grommet
15	18-2300-26	Sleeve
16	03-1407-07	Washer
17	03-1407-07	Washer
18	03-1405-20	Screw
19	16-0563-00	Cap
20	16-0560-00	Core
21	02-3319-02	Drier
22	A32975-001	Foam Filter

CM500 SERVICE PARTS
WATER COOLED REFRIGERATION



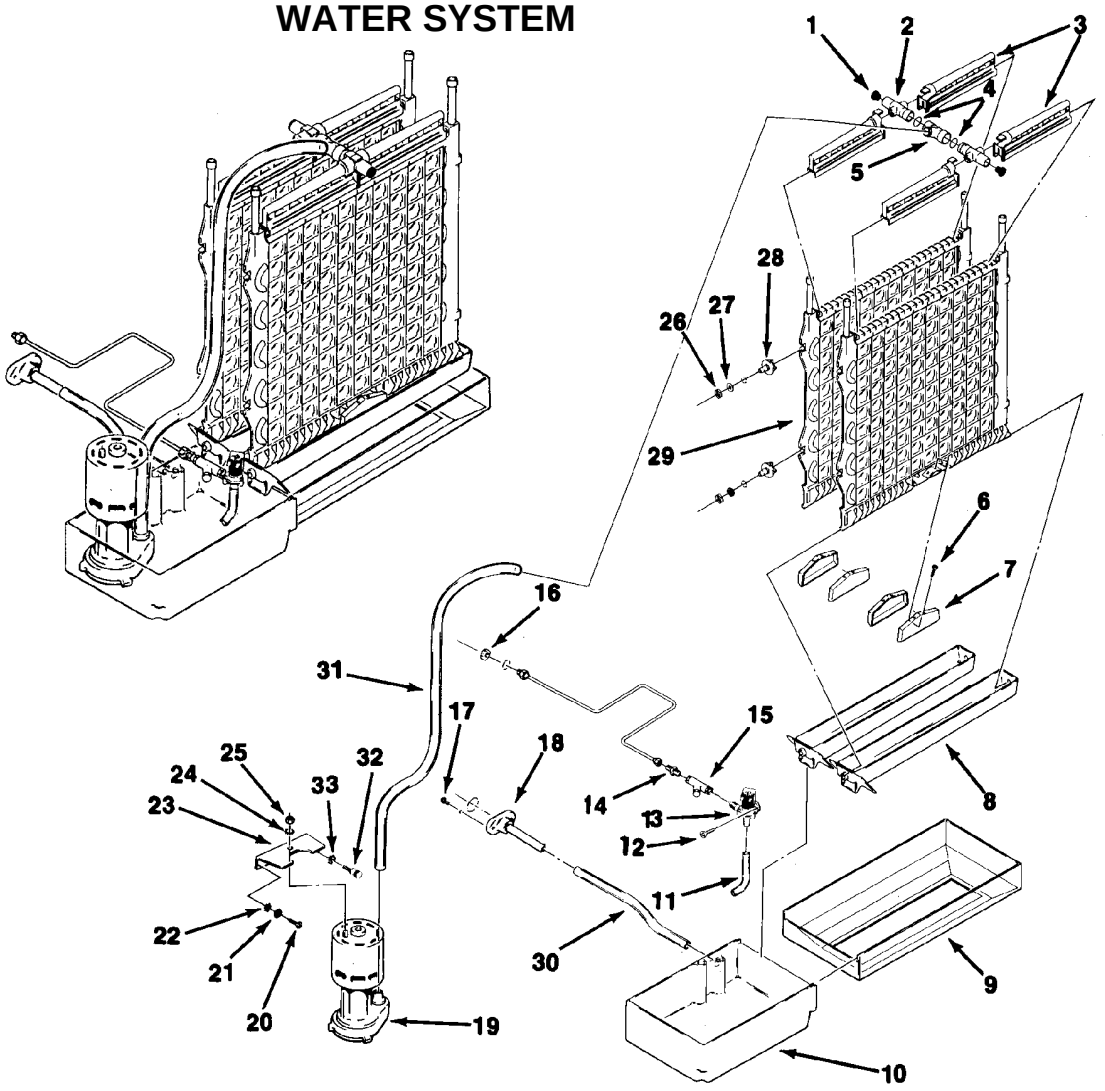
ITEM NUMBER	PART NUMBER	DESCRIPTION
1	A31525-020	"C" series heat exchanger
	A32245-020	"D" or "E" series heat exch.
2	03-1405-17	"C" series screw
	03-1645-01	"D" or "E" series screw
3	03-1407-07	"C" series lockwasher
	03-1417-09	"D" or "E" series lockwasher
4	18-3306-25	Condenser
5	12-2135-01	Hot Gas Valve & Coil
6	12-2300-03	Hi Temp. Cut Out ("D" & "E")
7	A30296-020	Evaporator Plate
8	18-6100-01	"C" and "D" series compressor
	18-6100-50	"C" and "D" series overload
	18-8711-20	"E" series compressor (115/60/1)
	18-8711-50	"E" series overload
9	18-6800-01	Mounting Grommet
10	18-2300-26	Sleeve
11	03-1407-07	Washer
12	03-1405-20	Screw
13	16-0563-00	Valve Cap
14	16-0560-00	Valve Core
15	A33363-001	Drain Fab Assembly

Not Illustrated: Hot Gas Valve Filter, part number 02-3231-02 Use began with "E" series.

ITEM NUMBER	PART NUMBER	DESCRIPTION
16	03-1403-14	Screw
17	16-0401-02	Brass Elbow
18	no number	Bracket
19	11-0424-01	Water Reg. Valve
20	03-1394-01	Pal Nut
21	03-1403-14	Screw
22	02-3319-02	Filter Drier

CM500 SERVICE PARTS

WATER SYSTEM

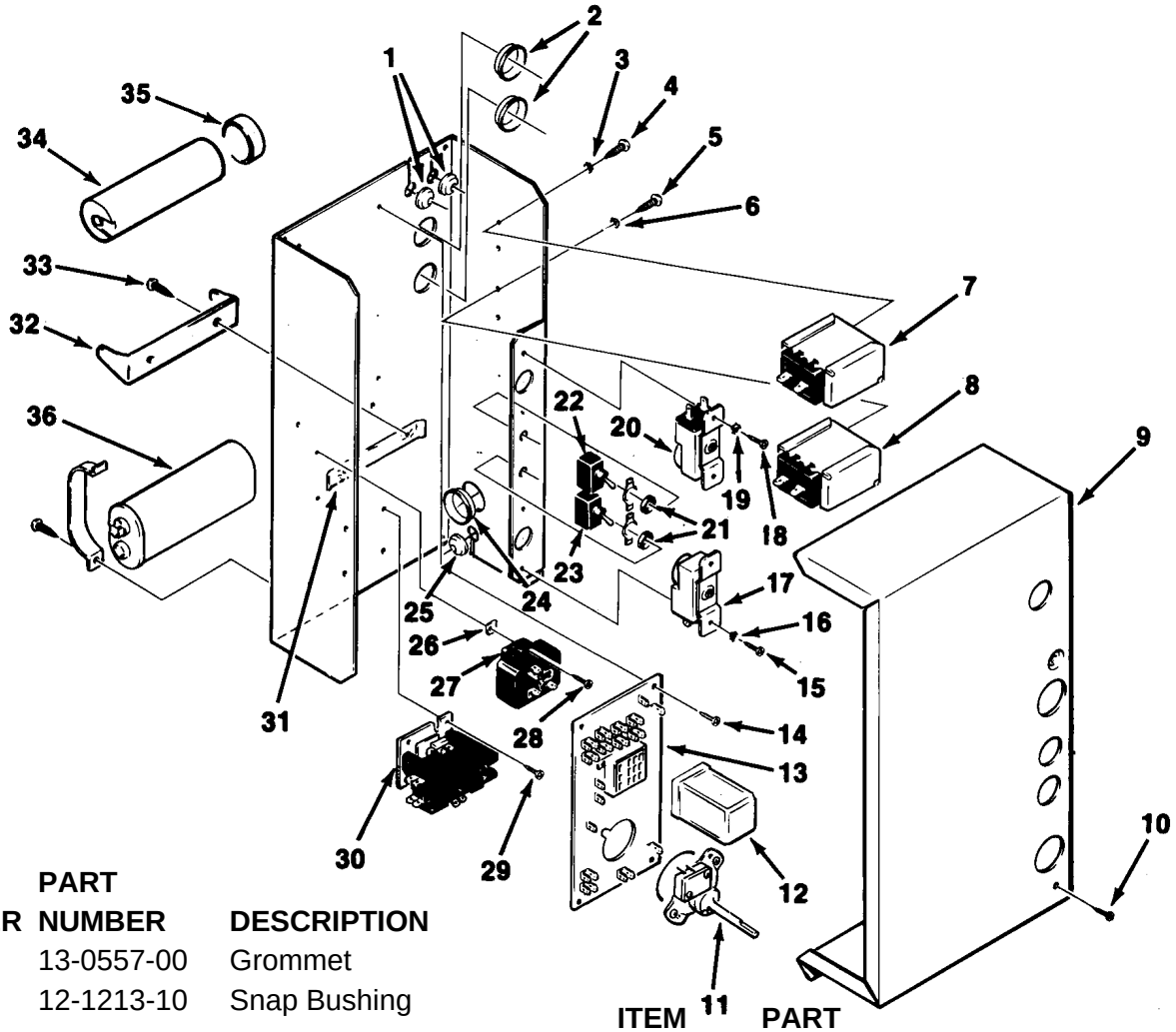


ITEM NUMBER	PART NUMBER	DESCRIPTION
1	13-0840-01	Manifold Plug
2	A29703-001	Manifold Water Tube
3	02-2527-01	Water Distrib. Tube
4	13-0617-48	O-Ring (2)
5	02-2519-01	Plastic Tee
6	03-1404-10	Screw
7	02-2878-01	Sump End Cover
8	02-2868-01	Drain Trough
9	no number	Cube Chute
10	02-2812-02	Sump for "C" series
	02-2869-01	Sump for all others
11	A30918-001	Sump Inlet Tube C thru early E
12	03-1531-01	Screw
13	12-2313-04	Solenoid valve
14	16-0791-01	Half Union
15	16-0162-00	Strainer for D & early E series
16	03-1394-01	Pal Nut

ITEM NUMBER	PART NUMBER	DESCRIPTION
17	03-1645-01	Screw
18	A32282-003	Drain Ass. (Air Cooled)
19	12-2265-21	Water Pump Assembly
20	03-1403-17	Screw
21	03-1407-03	Washer
22	03-1408-31	Washer
23	A30914-002	Pump Mounting Bracket
24	03-1417-05	Lockwasher
25	03-1406-05	Nut
26	03-1394-03	Pal Nut
27	03-1408-34	Special Washer
28	02-2642-01	Plate Mount
29	A30296-020	Evaporator
30	13-0674-07	Drain Hose, 8"
31	13-0674-07	Pump Hose, 33"
32	03-0727-09	Thumbscrew
33	03-1417-03	Lockwasher

CM500 SERVICE PARTS

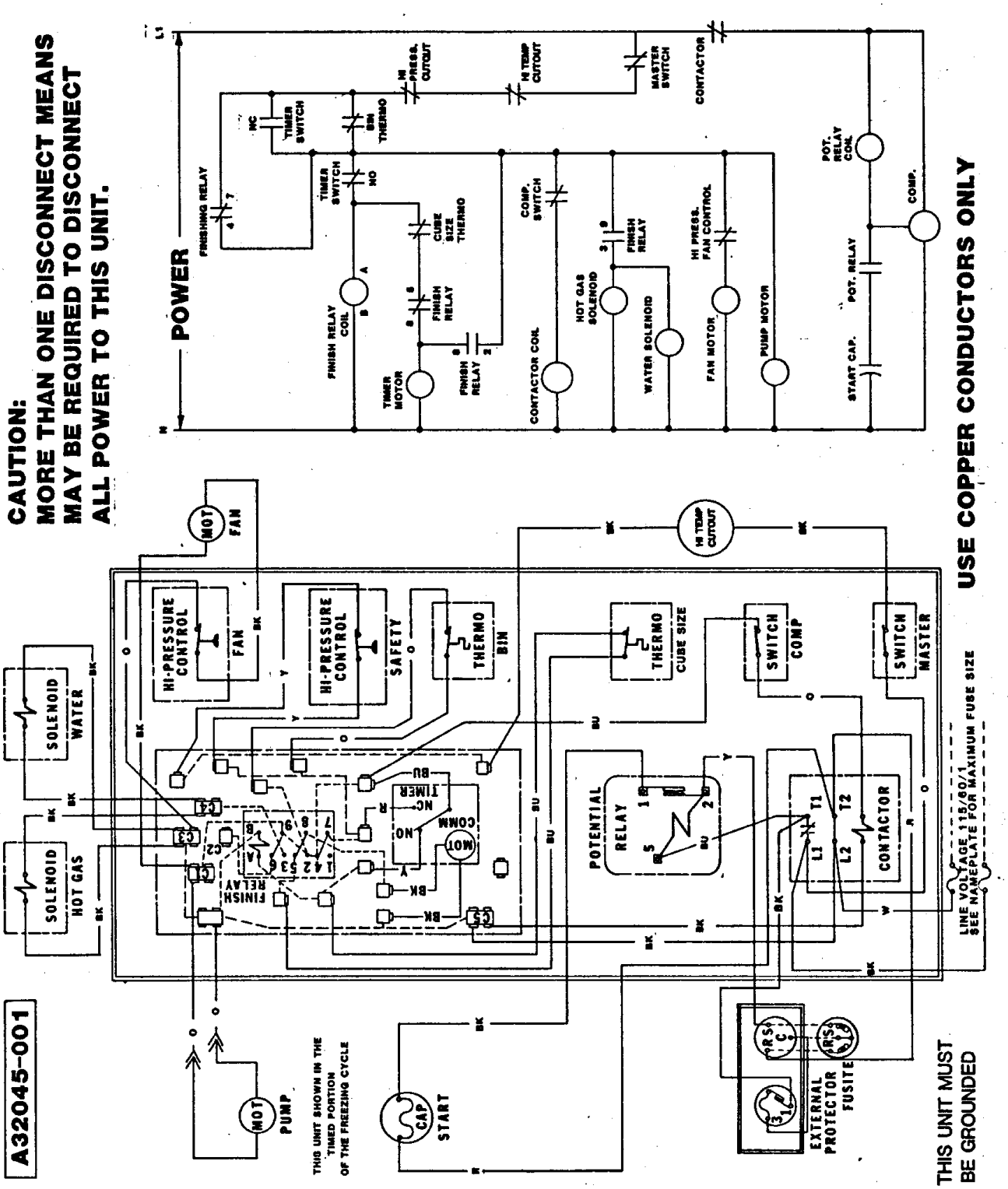
CONTROL BOX



ITEM NUMBER	PART NUMBER	DESCRIPTION
1	13-0557-00	Grommet
2	12-1213-10	Snap Bushing
3	03-1417-18	Lockwasher
4	03-1403-02	Screw
5	03-1403-02	Screw
6	03-1417-18	Lockwasher
7	11-0426-22	Fan Control
8	11-0425-21	High Press. Safety -AC
	11-0410-22	High Press. Safety -WC
9	A32168-001	Control Box Cover
10	03-1531-01	Screw
11	12-1980-01	Timer & Switch
12	12-1879-02	Relay, 115 V
13	12-1912-01	Circuit Board
14	03-1403-02	Screw
15	03-1403-05	Screw
16	03-1417-03	Lockwasher
17	11-0427-22	Bin Thermostat
18	03-1403-05	Screw
19	03-1417-03	Lockwasher
20	11-0435-21	Cube Size Control

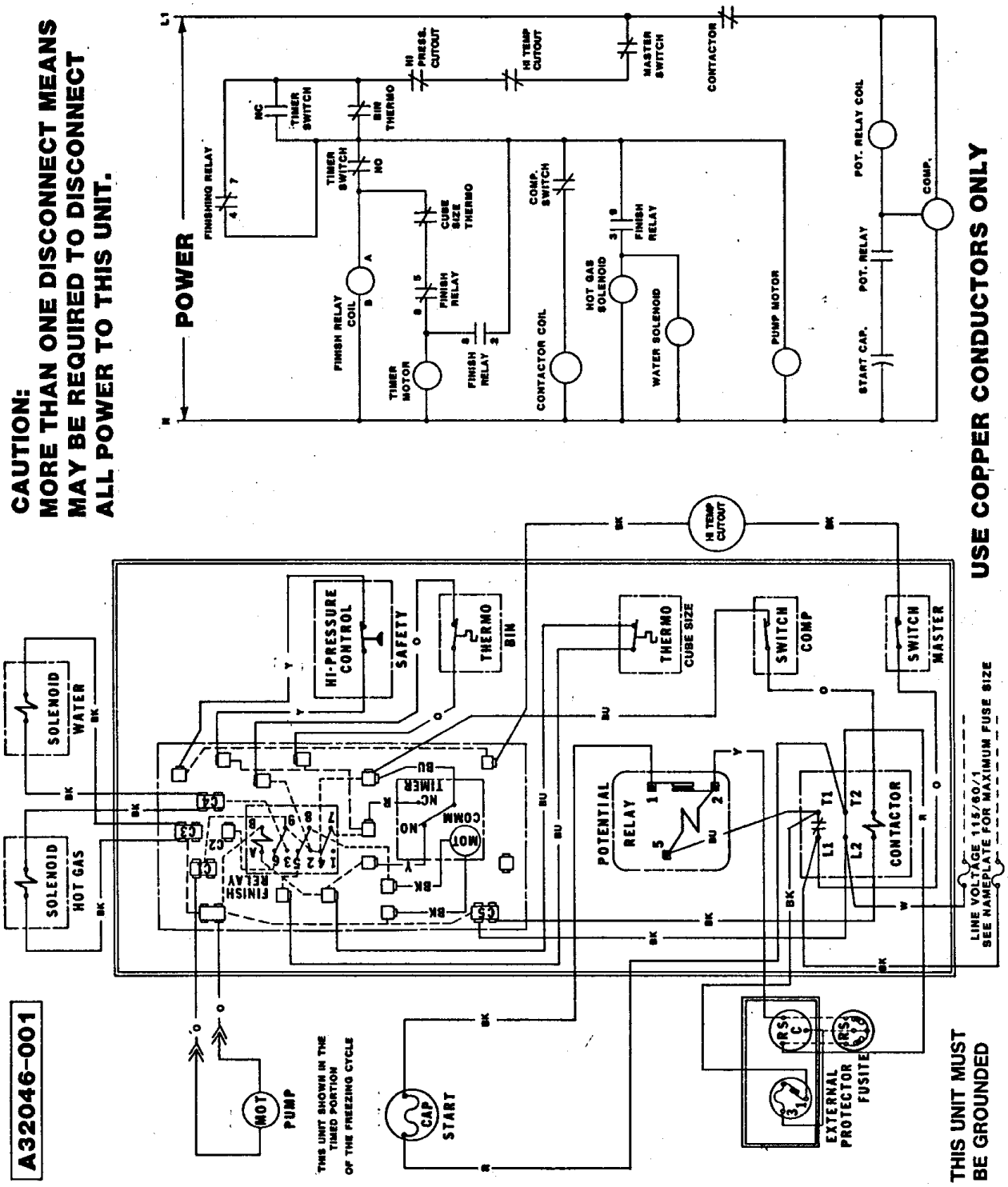
ITEM NUMBER	PART NUMBER	DESCRIPTION
21	03-1417-16	Lockwasher
22	12-0426-01	Switch
23	12-0426-01	Switch
24	12-1213-17	Snap Bushing
25	13-0557-00	Grommet
26	03-1423-01	Speed Nut
27	18-1903-44	Potential Relay "C" & "D’
	18-1903-50	Potential Relay, "E" series
28	03-1403-02	Screw
29	03-1403-15	Screw
30	12-2469-03	Contactor,
31	no number	Twin Speed Nut
32	18-2200-39	Start Capacitor Bracket
33	03-1403-15	Screw
34	18-1901-42	Start Capacitor "C" & "D"
	18-1901-03	Start capacitor, "E" series
35	18-2200-38	Start Capacitor Cap.
36	18-1902-45	Run Capacitor "E" series only

CM500 SERVICE PARTS

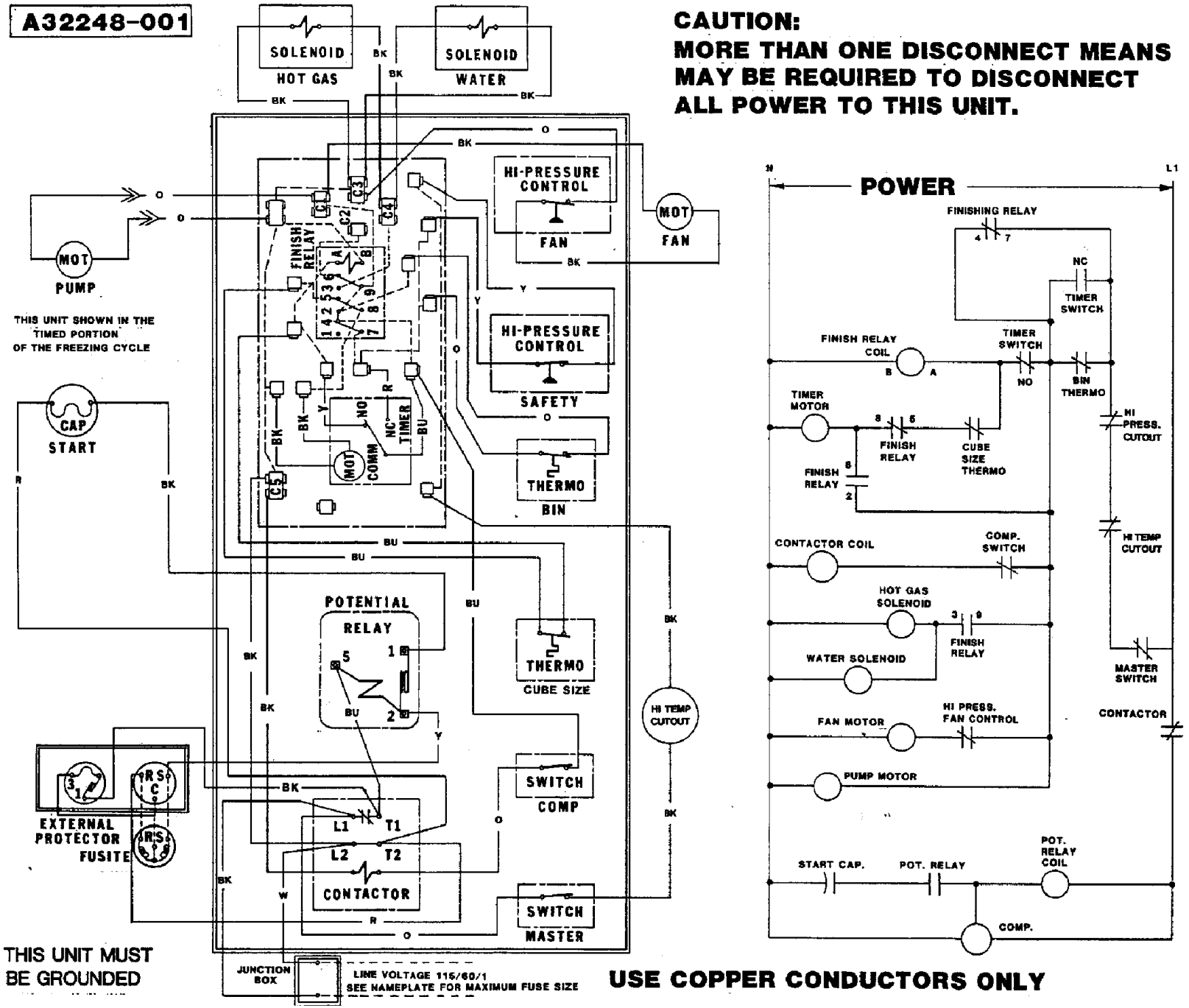


Wiring Diagram CM500AE-1C (115/60/1) Air - Cooled
Use of the High Temperature Cut Out begins with serial number 872530-01G

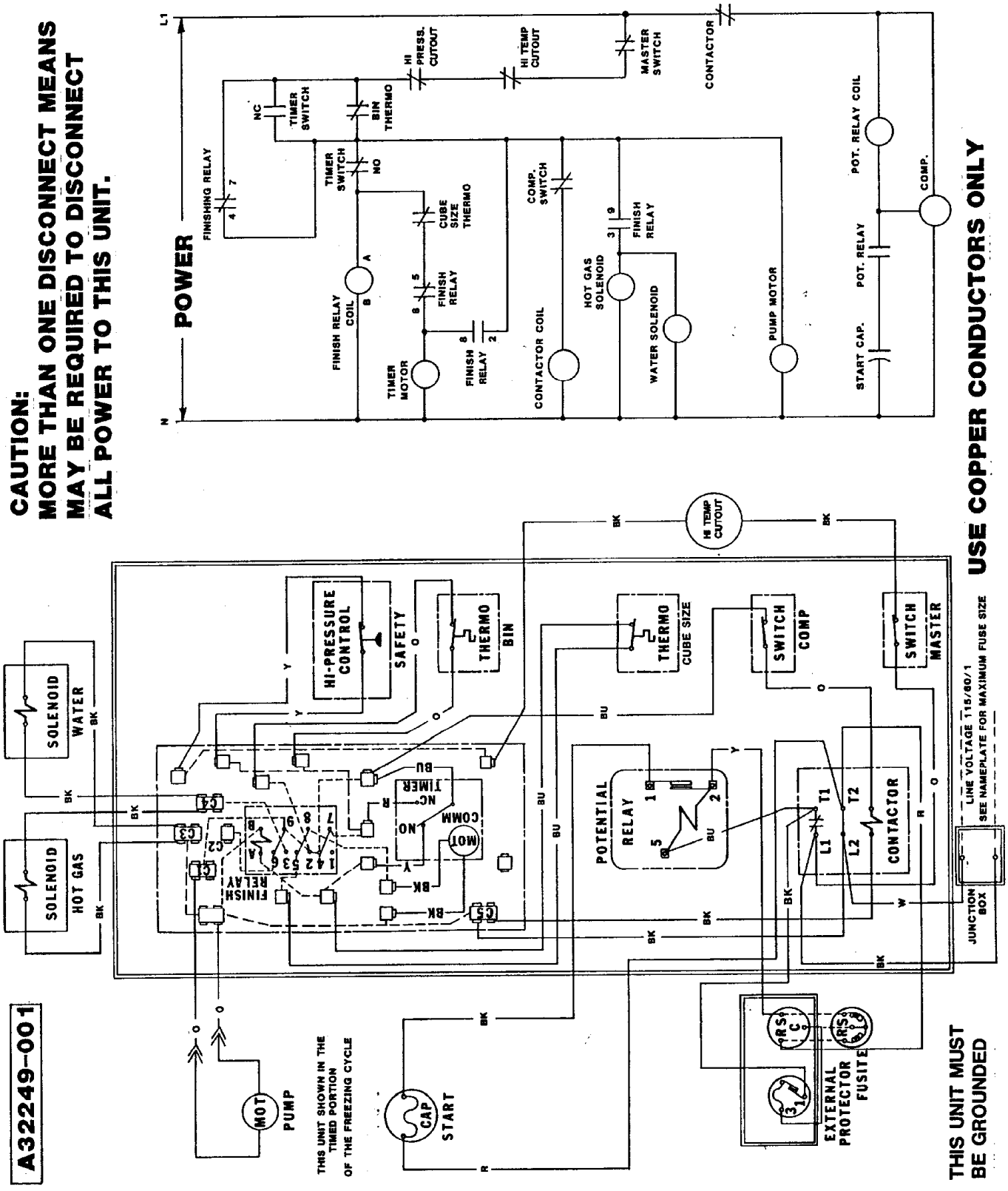
CM500 SERVICE PARTS



Wiring Diagram CM500AW-1C (115/60/1) Water- Cooled
Use of the High Temperature Cut Out begins with serial number 872530-01G


A32248-001
CAUTION:
MORE THAN ONE DISCONNECT MEANS MAY BE REQUIRED TO DISCONNECT ALL POWER TO THIS UNIT.
SOLENOID
HOT GAS
SOLENOID
WATER
HI-PRESSURE CONTROL
FAN
MOT
FAN
MOT
PUMP
THIS UNIT SHOWN IN THE TIMED PORTION OF THE FREEZING CYCLE
FINISH RELAY
HI-PRESSURE CONTROL
SAFETY
CAP
START
THERMO
BIN
POTENTIAL
RELAY
THERMO
CUBE SIZE
HI TEMP CUTOUT
EXTERNAL PROTECTOR
FUSITE
SWITCH
COMP
CONTACTOR
SWITCH
MASTER
THIS UNIT MUST BE GROUNDED
JUNCTION BOX
LINE VOLTAGE 115/60/1
SEE NAMEPLATE FOR MAXIMUM FUSE SIZE
USE COPPER CONDUCTORS ONLY
POWER
FINISHING RELAY
NC
TIMER SWITCH
FINISH RELAY COIL
TIMER SWITCH
NO
BIN THERMO
TIMER MOTOR
HI PRESS. CUTOUT
FINISH RELAY
CUBE SIZE THERMO
FINISH RELAY
HI TEMP CUTOUT
CONTACTOR COIL
COMP. SWITCH
HOT GAS SOLENOID
FINISH RELAY
WATER SOLENOID
MASTER SWITCH
FAN MOTOR
HI PRESS. FAN CONTROL
CONTACTOR
PUMP MOTOR
START CAP.
POT. RELAY
POT. RELAY COIL
COMP.

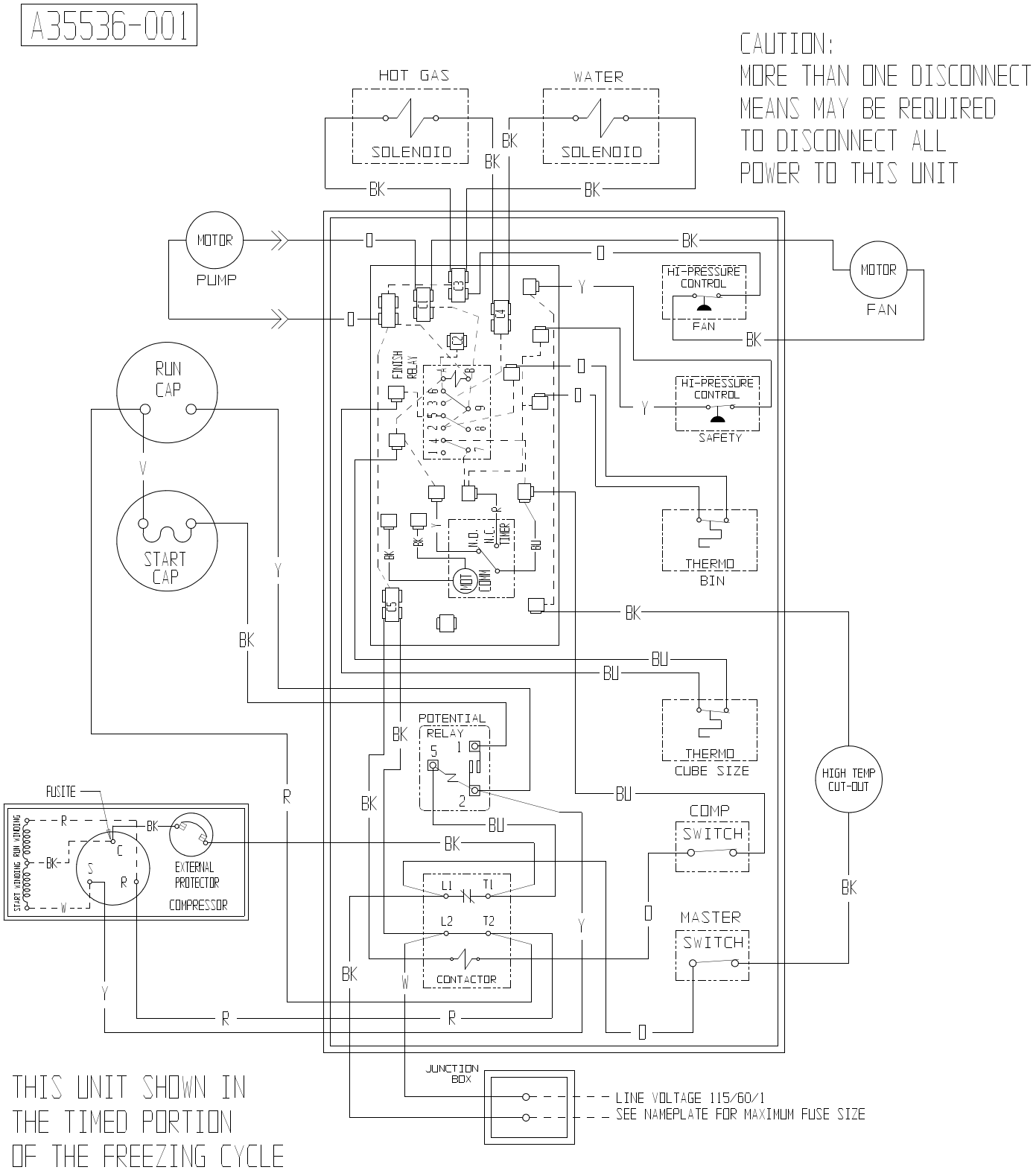
CM500 SERVICE PARTS



Wiring Diagram CM500WE-1D Water Cooled

CM500 SERVICE PARTS

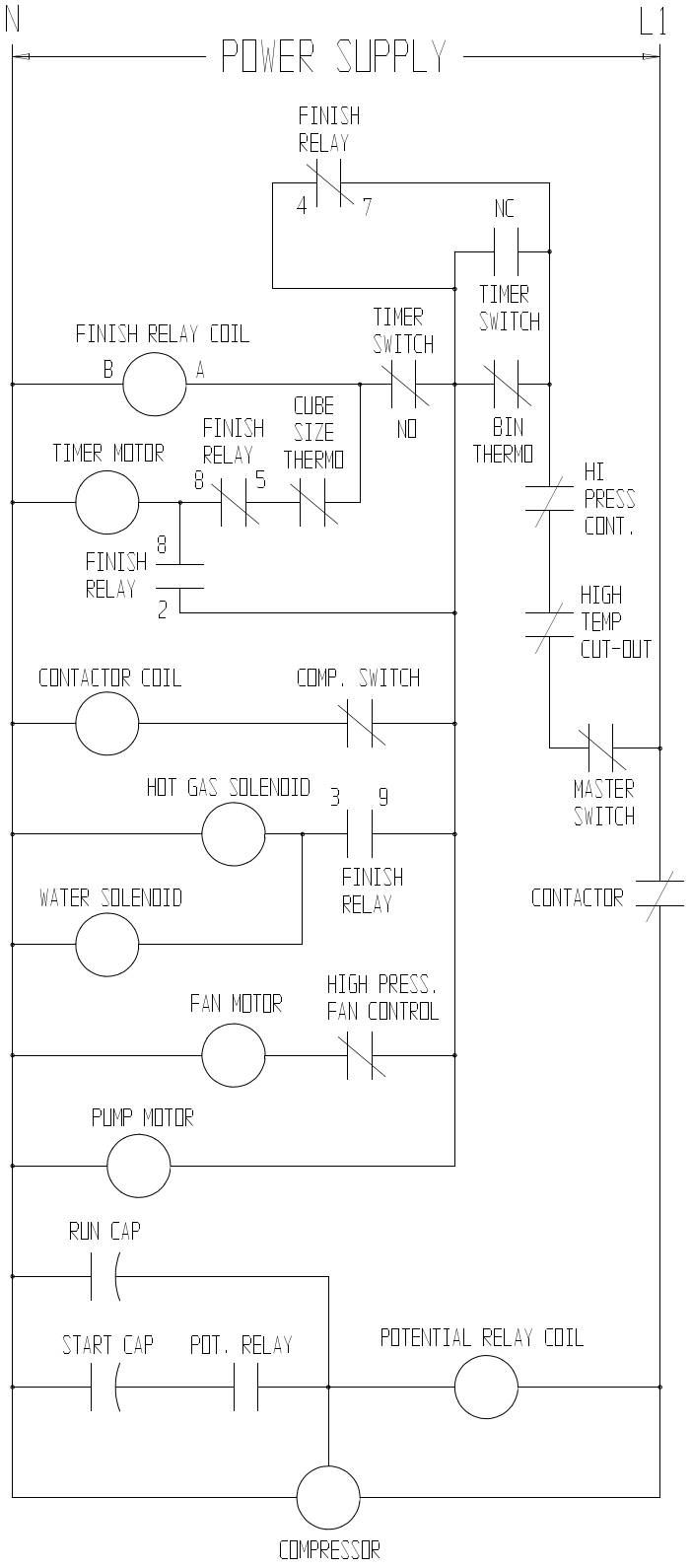
"E" Series Air Cooled Wiring Diagram



CM500 SERVICE PARTS

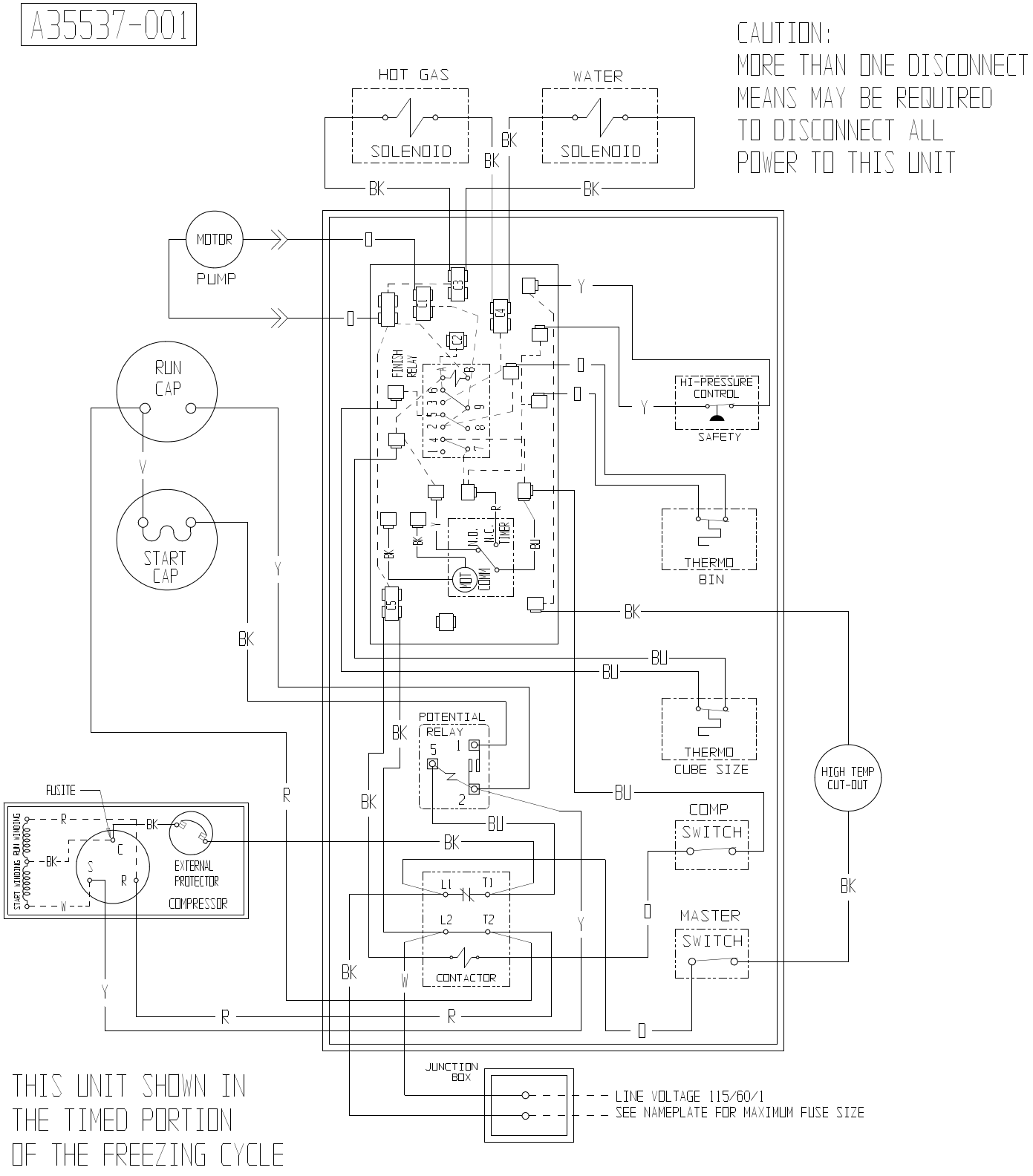
"E" Series Air Cooled Wiring Diagram

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

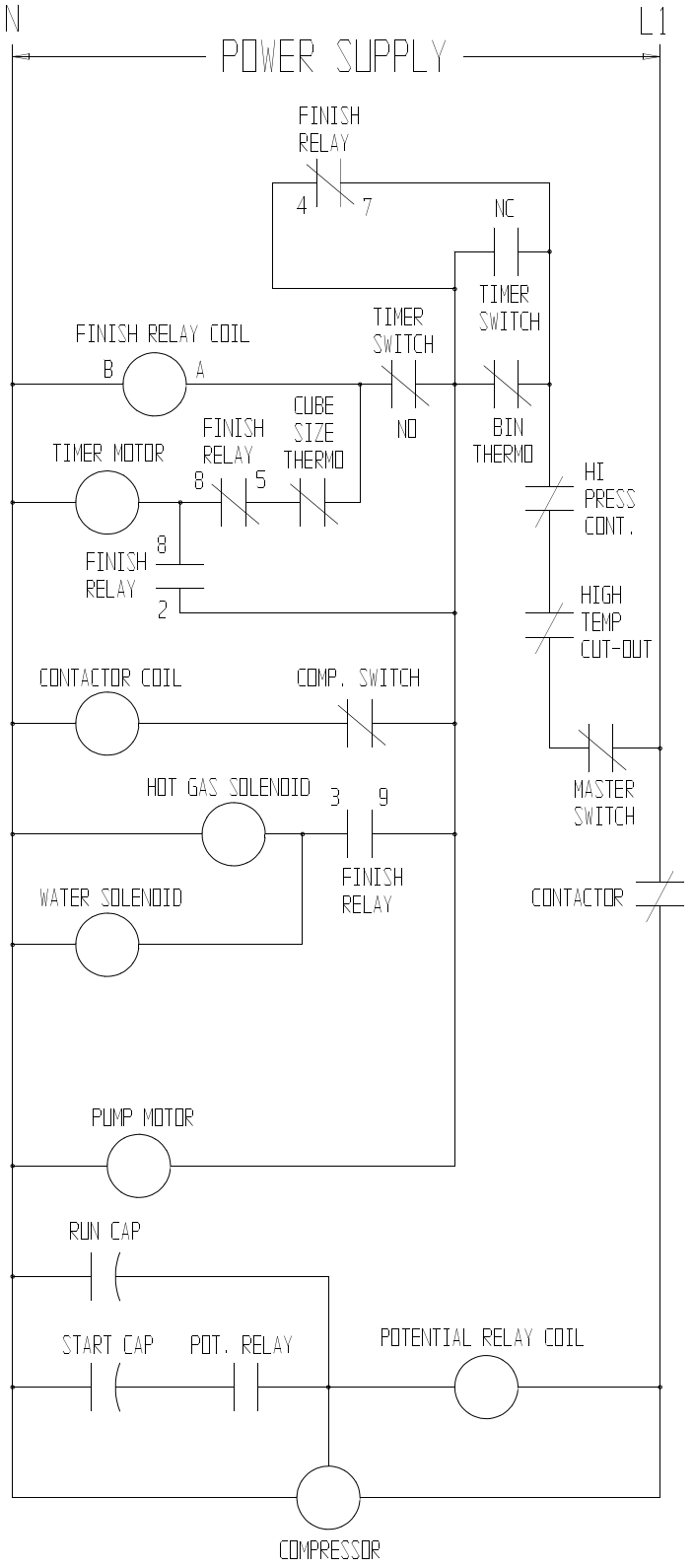


CM500 SERVICE PARTS

"E" Series Water Cooled Wiring Diagram



CM500 SERVICE PARTS

"E" Series Water Cooled Wiring Diagram

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