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**CM250 Parts List**  
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**Cabinet Exterior**

**Cabinet Interior**

**Air Cooled Refrigeration**

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**Control Box**

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# CM250 THE PARTS ILLUSTRATIONS AND PARTS LISTS

## GENERAL

This section contains the Parts Illustrations and the Parts List for each of the major assemblies in the CM250 Modular Cuber.

A *No Number* designation, when used in the Part Number Column indicates the unit is not available from SCOTSMAN as an assembly. This designation is used only for the convenience and clarity of division in cataloging.

## HOW TO ORDER PARTS OR ASSEMBLIES

When ordering parts or assemblies, to avoid costly delays and errors in shipment, give the part number, the complete description shown in the list, and the quantities of each part or assembly required. Also include the model name, the serial number of the icemaker for which the part is required and for parts which require color matching, the color of the cabinet.

All part numbers have TEN DIGITS (spaces), required for use in the Computer System. BE SURE to fill in ALL SPACES in the CATALOG NUMBER column, on the parts order form.

Enter the QUANTITY of the parts ordered, in the last digit column under the QUANTITY column heading the one under the small 55 number, for parts from 1 thru 9. For 10 or more parts use two columns.

CM250's were manufactured in "A", "C", "D" and "E" models. This parts list is good for all models. **You must check the units complete model number to be certain of obtaining the correct parts.**

## WIRING DIAGRAMS

This section is provided as an aid in understanding the electrical circuitry of the CM250 Modular Cuber.

### ////////// WARNING //////////

**When conducting a continuity check of the modular cuber:**

1. Disconnect the main power source.
2. DO NOT use an incandescent lamp or jumper wire, conduct all tests with a volt-ohm-meter.

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The wiring diagrams in this Section are:

CM250AE-1C (115/60/1) Air Cooled  
CM250WE-1C (115/60/1) Water Cooled  
CM250AE-1D (115/60/1) Air Cooled  
CM250WE-1D (115/60/1) Water Cooled  
CM250AE-1E (115/60/1) Air Cooled  
CM250WE-1E (115/60/1) Water Cooled

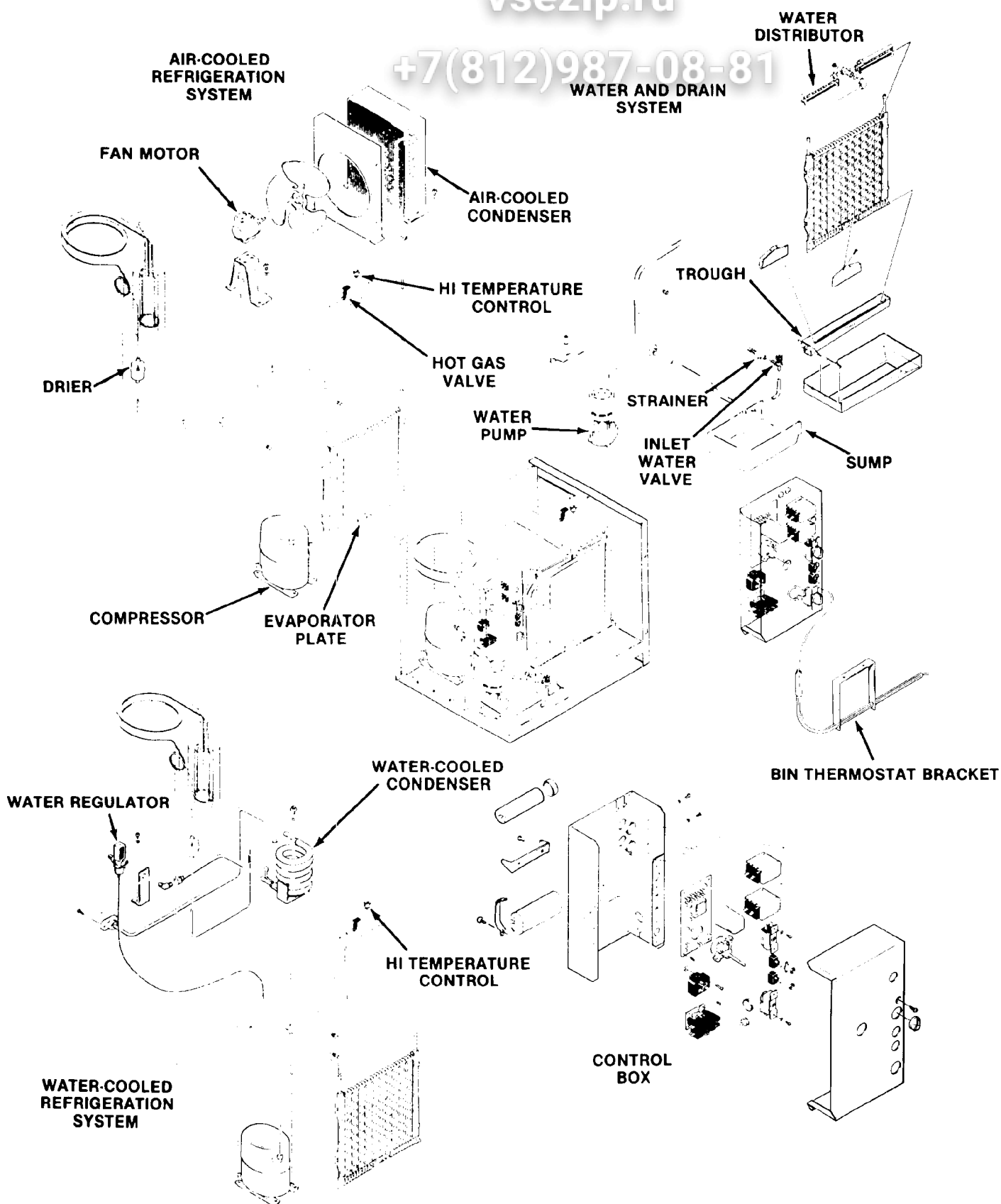
**CM250**

# THE PARTS ILLUSTRATIONS AND PARTS LISTS

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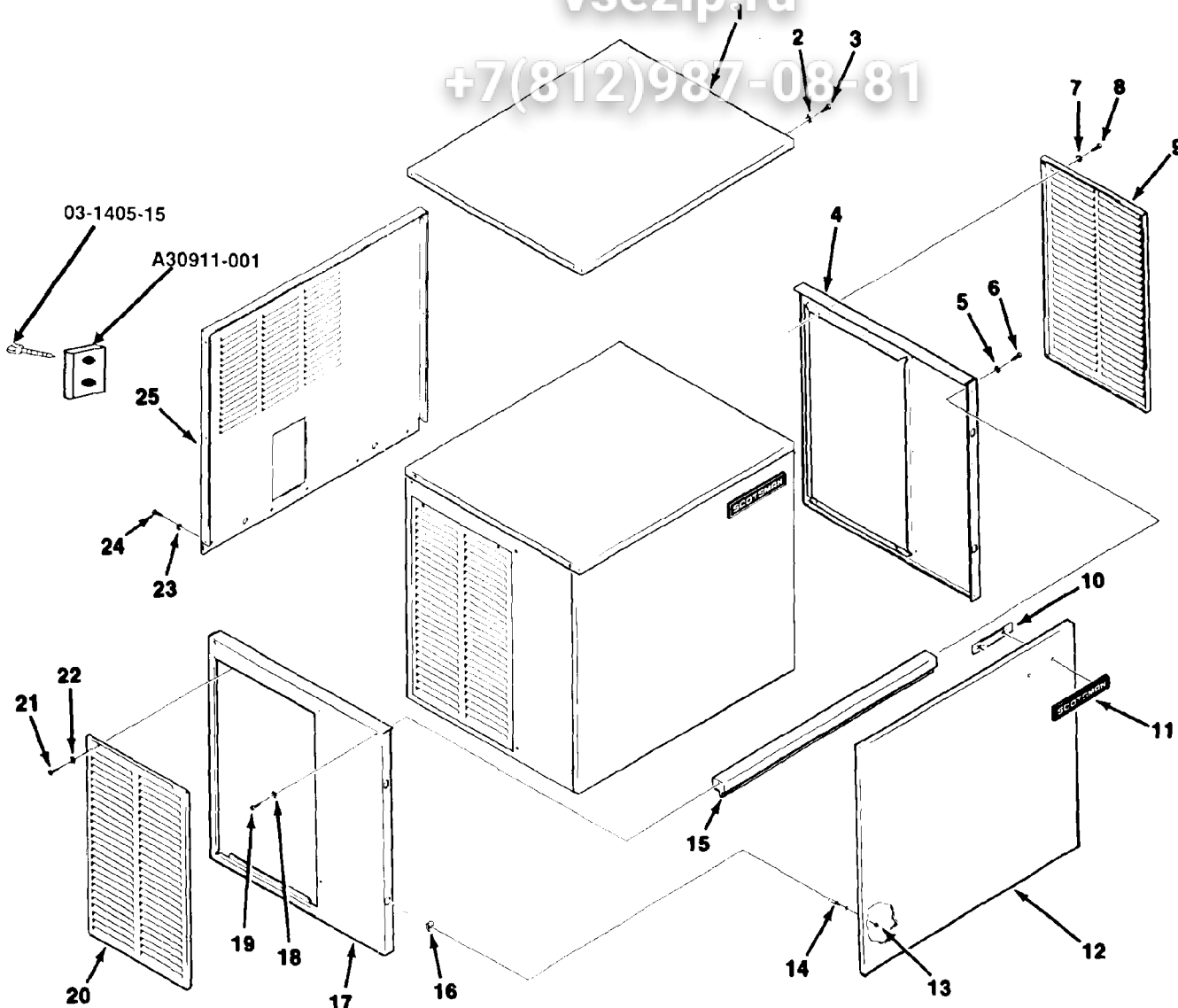
# CM250

# THE PARTS ILLUSTRATIONS AND PARTS LISTS

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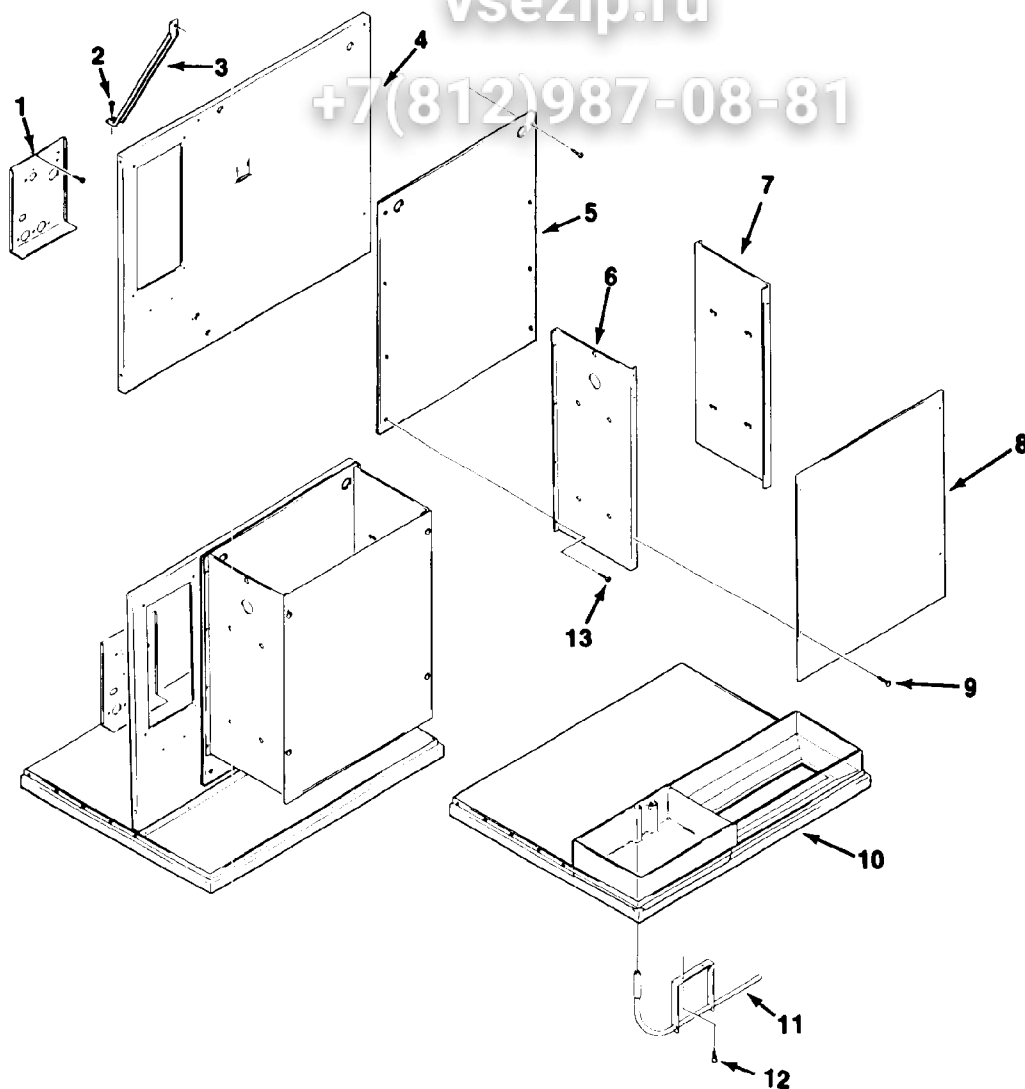
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## CABINET ASSEMBLY (PART I)

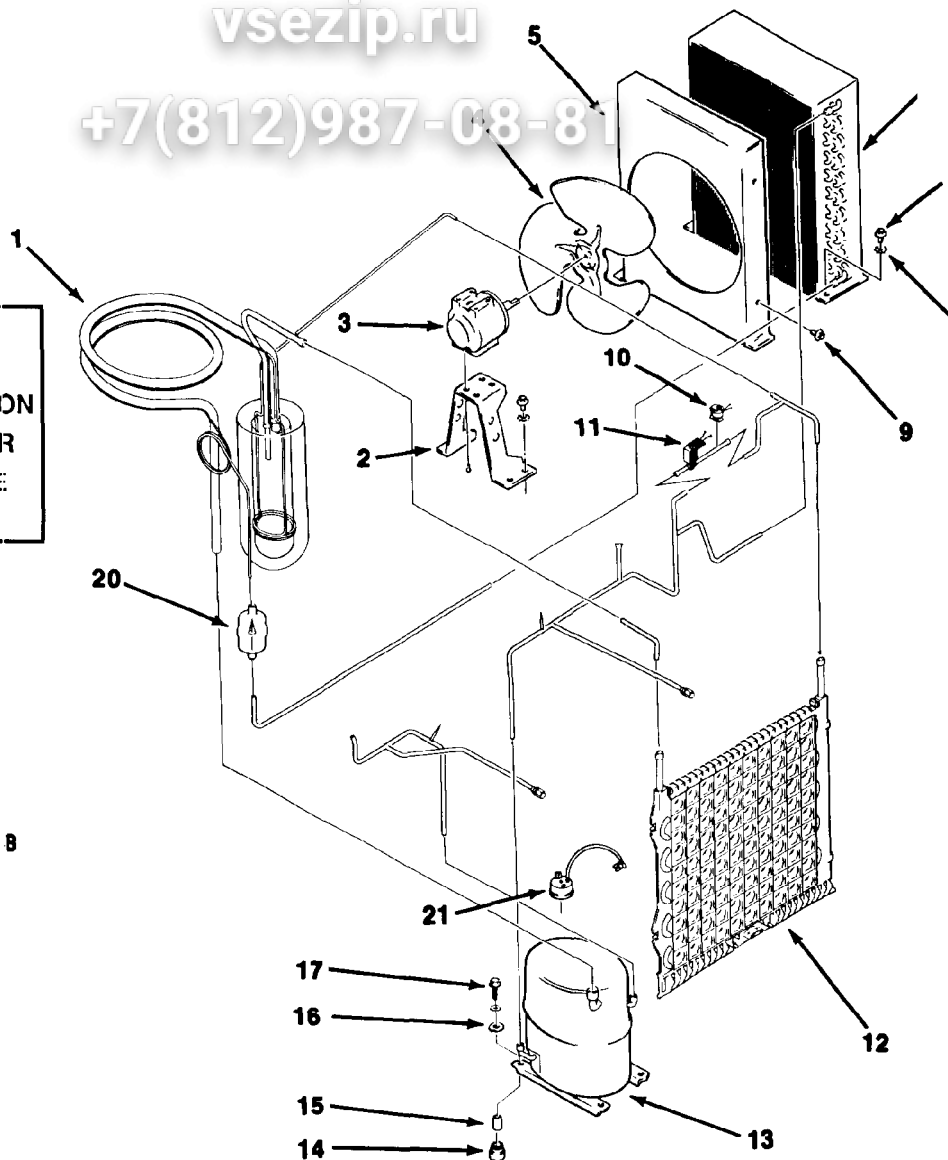
| ITEM<br>NUMBER | PART<br>NUMBER |            | DESCRIPTION                           | ITEM<br>NUMBER | PART<br>NUMBER |            | DESCRIPTION                          |
|----------------|----------------|------------|---------------------------------------|----------------|----------------|------------|--------------------------------------|
|                | "A" & "C"      | "D" & "E"  |                                       |                | "A" & "C"      | "D" & "E"  |                                      |
| 1              | A31045-001     | A32159-001 | Top Panel, Enamel                     | 13             | 03-1406-04     | Same       | Nut, #8-32                           |
|                | A31045-002     | 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              | A31044-001     | A32162-001 | End Panel (Right), Enamel             | 17             | A31043-001     | A32163-001 | End Panel (Left), Enamel             |
|                | A31044-002     | A32162-002 | End Panel (Right),<br>Stainless Steel |                | A31043-002     | A32163-002 | End Panel (Left),<br>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, #8-32                         |
|                | 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             | 15-0711-00     | 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          |                |                |            |                                      |



## CABINET ASSEMBLY (PART II)

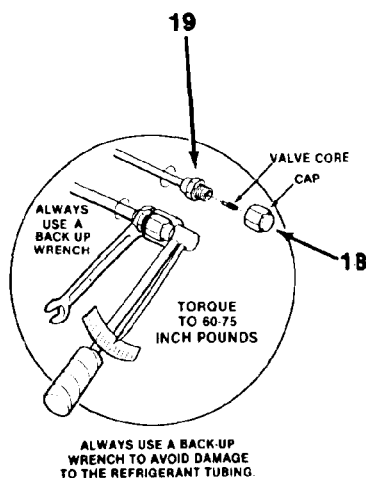
| ITEM<br>NUMBER | PART<br>NUMBER |             | DESCRIPTION                |
|----------------|----------------|-------------|----------------------------|
|                | "A" & "C"      | "D" & "E"   |                            |
| 1              | A30398-001     | A32166-001  | Junction Box Bracket       |
| 2              |                | 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              | A30395-001     | A32172-001  | Evaporator Bracket (Right) |
| 7              | A30396-001     | A32173-001  | Evaporator Bracket (Left)  |
| 8              | A30397-001     | A32165-001  | Evaporator Plate Cover     |
| 9              | 03-0727-09     | Same        | Thumbscrew                 |
| 10             | A30394-001     | A32153-001  | Base                       |
| 11             | A30959-001     | A32262-001  | Bin Thermostat Bracket     |
| 12             | 03-0727-05     | 03-0727-09  | Thumbscrew                 |
| 13             |                | 03-1531-002 | Screw                      |

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**CM250 "E" MODEL**

| ITEM<br>NUMBER | PART<br>NUMBER | DESCRIPTION |
|----------------|----------------|-------------|
| 3.             | 18-7200-01     | FAN MOTOR   |
| 4              | 18-7201-01     | FAN BLADE   |
| 5              | A33215-001     | SHROUD      |



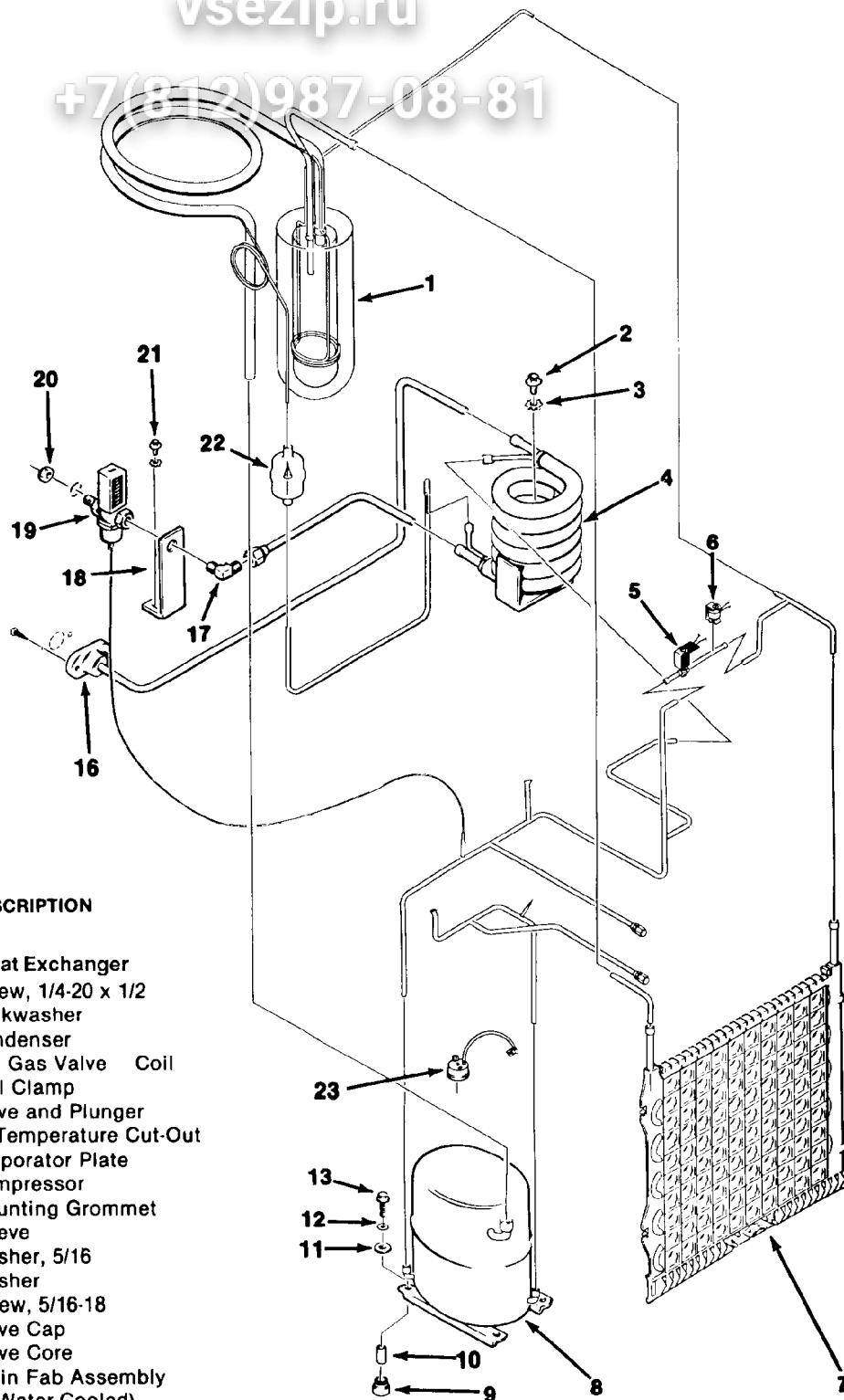
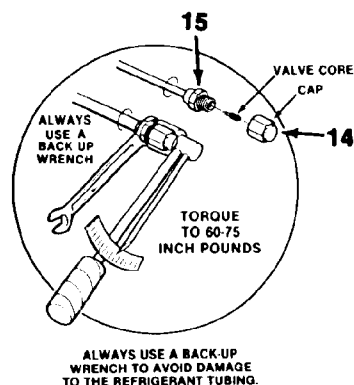
## AIR-COOLED REFRIGERATION SYSTEM

| ITEM<br>NUMBER | PART<br>NUMBER |              | DESCRIPTION            | ITEM<br>NUMBER | PART<br>NUMBER |            | DESCRIPTION         |
|----------------|----------------|--------------|------------------------|----------------|----------------|------------|---------------------|
|                | "A" & "C"      | "D" & "E"    |                        |                | "A" & "C"      | "D" & "E"  |                     |
| 1              | A31179-021     | A32254-021   | Heat Exchanger         | 12             | A30296-020     | Same       | Evaporator Plate    |
| 2              | 18-3739-01     | Same         | Motor Mount            | 13             | 18-5700-01     | Same       | Compressor          |
| 3              | 18-5105-11     | Same, expt E | Fan Motor              | 14             | 18-2200-28     | Same       | Mounting Grommet    |
| 4              | 18-3732-01     | Same, expt E | Fan Blade              | 15             | 18-2200-27     | Same       | Sleeve              |
| 5              | A23929-001     | A32171-001   | Shroud (not for "E")   | 16             | 03-1407-07     | Same       | Washer, 5/16        |
| 6              | 18-0398-01     | 18-0398-01   | Condenser              | 17             | 03-1405-15     | 03-1405-20 | Screw               |
| 7              | 03-1405-03     | 03-1645-01   | Screw, 1/4-20 x 1/2    | 18             | 16-0563-00     | Same       | Valve Cap           |
| 8              | 03-1410-03     | Same         | Lockwasher             | 19             | 16-0560-00     | Same       | Valve Core          |
| 9              | 03-1404-29     | Same         | Screw, #8-32           | 20             | 02-2426-02     | Same       | Drier Filter        |
| 10             | 12-2300-03     | Same         | Hi Temperature Cut-out | 21             | 18-5700-50     | Same       | Overload Compressor |
| 11             | 12-2008-01     | Same         | Hot Gas Solenoid Coil  |                |                |            |                     |

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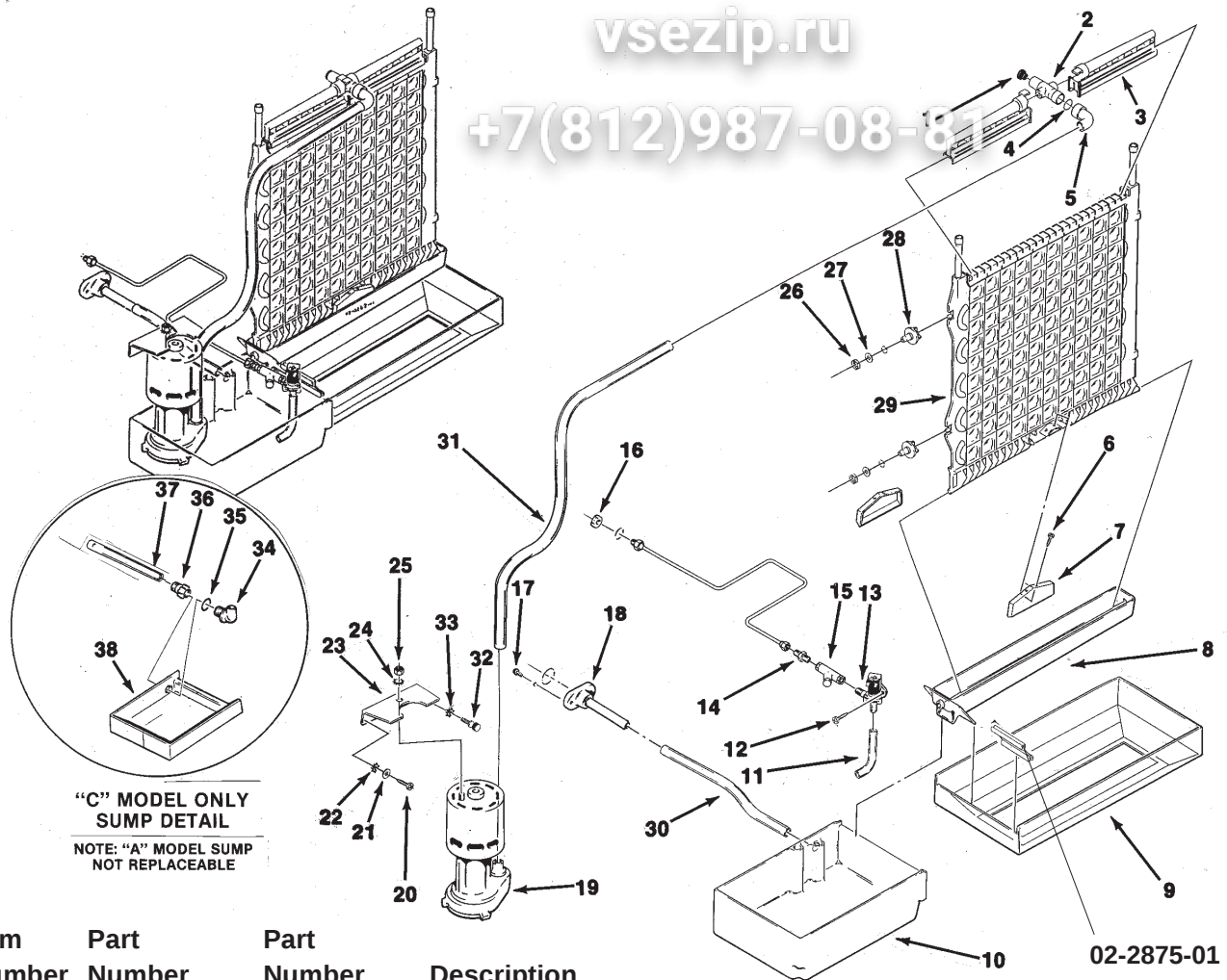
## WATER-COOLED REFRIGERATION SYSTEM

| ITEM<br>NUMBER | PART<br>NUMBER |            | DESCRIPTION                       |
|----------------|----------------|------------|-----------------------------------|
|                | "A" & "C"      | "D" & "E"  |                                   |
| 1              | A31179-021     | A32254-021 | Heat Exchanger                    |
| 2              | 03-1405-03     | 03-1645-01 | Screw, 1/4-20 x 1/2               |
| 3              | 03-1407-07     | 03-1417-09 | Lockwasher                        |
| 4              | 18-3306-02     | Same       | Condenser                         |
| 5              | 12-2008-01     | Same       | Hot Gas Valve                     |
|                | 12-2009-01     | Same       | Coil                              |
|                | 12-2007-01     | Same       | Coil Clamp                        |
| 6              |                | 12-2300-03 | Valve and Plunger                 |
| 7              | A30296-020     | Same       | Hi Temperature Cut-Out            |
| 8              | 18-5700-01     | Same       | Evaporator Plate                  |
| 9              | 18-2200-28     | Same       | Compressor                        |
| 10             | 18-2200-27     | Same       | Mounting Grommet                  |
| 11             | 03-1407-07     | Same       | Sleeve                            |
| 12             |                | 03-1417-12 | Washer, 5/16                      |
| 13             | 03-1405-15     | 03-1405-20 | Washer                            |
| 14             | 16-0563-00     | Same       | Screw, 5/16-18                    |
| 15             | 16-0560-00     | Same       | Valve Cap                         |
| 16             | A31757-004     | A32244-001 | Valve Core                        |
|                |                |            | Drain Fab Assembly (Water-Cooled) |
| 17             | 16-0401-17     | Same       | 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             | 18-5700-50     | Same       | Overload Compressor               |

# CM250 Service Parts Water System

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| Item Number             | Part Number | Part Number     | Description         |
|-------------------------|-------------|-----------------|---------------------|
|                         | <b>A-C</b>  | <b>D series</b> |                     |
| 1                       | 13-0840-01  | same            | Manifold hole plug  |
| 2                       | A29703-001  | same            | Manifold water tube |
| 3                       | 02-2527-01  | same            | Water distrib tube  |
| 4                       | 13-0617-48  | same            | O-ring              |
| 5                       | 16-0671-01  | same            | Plastic tee         |
| 6                       | 03-1404-10  | same            | Screw               |
| 7                       | 02-2878-01  | same            | Sump end cover      |
| 8                       | 02-2801-01  | 02-2868-01      | Drain trough        |
| 9                       | no number   | no number       | Cube chute          |
| 10                      | 02-2852-02  | 02-2869-01      | Sump                |
| 11                      | A30918-001  | same            | Sump inlet tube     |
| 12                      | 03-1531-01  | same            | Screw               |
| 13                      | 12-2261-01  | 12-2313-01      | Inlet water valve   |
| 14                      |             | 16-0791-01      | Half union coupling |
| 15                      |             | 16-0162-00      | Strainer            |
| 16                      | 03-1394-01  | same            | Pal nut             |
| 17                      | 03-1405-03  | 03-1645-01      | Screw               |
| 18                      | A31757-004  | A32282-003      | Drain (AC)          |
| 19                      | 12-2260-21  | same            | Water pump          |
| 20                      |             |                 |                     |
| 21                      |             |                 |                     |
| 22                      |             |                 |                     |
| 23                      | A30914-001  |                 |                     |
| 24                      | 03-1417-03  | 03-1417-05      | Lockwasher          |
| 25                      | 03-1406-03  | 03-1406-05      | Nut                 |
| 26                      |             | 03-1394-03      | Pal nut             |
| 27                      |             | 03-1408-34      | Washer              |
| 28                      | 02-2642-01  | same            | Plate               |
| 29                      | A30296-020  | same            | Evaporator          |
| 30                      | no number   | 13-0674-07      | Drain hose, 8"      |
| 31                      | 13-0674-07  | same            | Water hose, 3.3"    |
| 32                      | 02-0727-09  | same            | Thumbscrew          |
| 33                      | 03-1417-03  | same            | Lockwasher          |
| <b>A &amp; C Detail</b> |             |                 |                     |
|                         | <b>A</b>    | <b>C</b>        |                     |
| 34                      | A30917-001  | A30917-002      | Stand pipe          |
| 35                      | 13-0617-02  | same            | O-ring              |
| 36                      | 02-2606-01  | same            | Tube                |
| 37                      | 13-0674-07  | same            | Tube, 3.5"          |

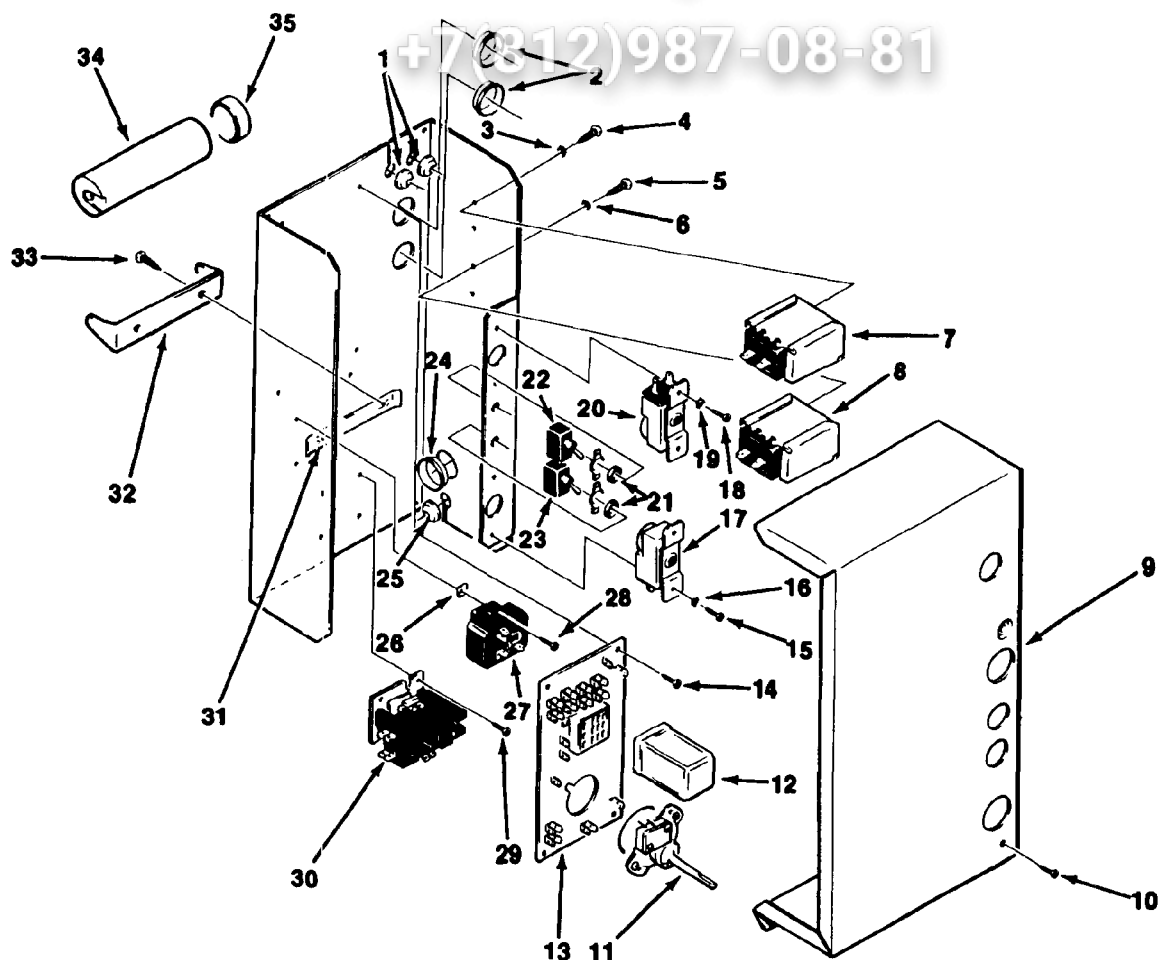
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## CONTROL BOX

| ITEM<br>NUMBER | PART<br>NUMBER |            | DESCRIPTION                               | ITEM<br>NUMBER | PART<br>NUMBER |           | DESCRIPTION             |
|----------------|----------------|------------|-------------------------------------------|----------------|----------------|-----------|-------------------------|
|                | "A" & "C"      | "D" & "E"  |                                           |                | "A" & "C"      | "D" & "E" |                         |
| 1              | 13-0557-00     | Same       | Grommet                                   | 18             | 03-1403-05     | Same      | Screw, #8-32 (2)        |
| 2              | 12-1213-10     | Same       | 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, #6-32 (2)                          | 21             | 03-1417-16     | Same      | Tooth Lockwasher        |
| 5              | 03-1403-02     | Same       | Screw, #6-32 (2)                          | 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<br>(Air-Cooled Only) | 24             | 12-1213-17     | Same      | Snap Bushing            |
| 8              | 11-0425-01     | Same       | High Pressure Control<br>(Air-Cooled)     | 25             | 13-0557-00     | Same      | Grommet                 |
|                | 11-0410-02     | Same       | High Pressure Control<br>(Water-Cooled)   | 26             | 03-1423-01     | Same      | Speed Nut (1)           |
| 9              | A30902-001     | A32168-001 | Control Box Cover                         | 27             | 18-1903-31     | Same      | Potential Relay         |
| 10             | 03-1531-01     | Same       | Screw                                     | 28             | 03-1403-02     | Same      | Screw, #6-32 (2)        |
| 11             | 12-1980-01     | Same       | Timer                                     | 29             | 03-1403-15     | Same      | Screw, #8-32            |
| 12             | 12-1879-02     | Same       | Relay, 3PDT                               | 30             | 12-2048-01     | Same      | Contactor               |
| 13             | 12-1912-01     | Same       | Circuit Board                             | 31             | 03-1103-00     | Same      | Twin Speed Nut (1)      |
| 14             | 03-1403-02     | Same       | Screw, #6-32 (5)                          | 32             | 18-2200-39     | Same      | Start Capacitor Bracket |
| 15             | 03-1403-05     | Same       | Screw, #8-32 (2)                          | 33             | 03-1403-15     | Same      | Screw                   |
| 16             | 03-1417-03     | Same       | Tooth Lockwasher                          | 34             | 18-1901-47     | Same      | Start Capacitor         |
| 17             | 11-0427-02     | Same       | Bln Thermostat                            | 35             | 18-2200-38     | Same      | Start Capacitor Cap     |

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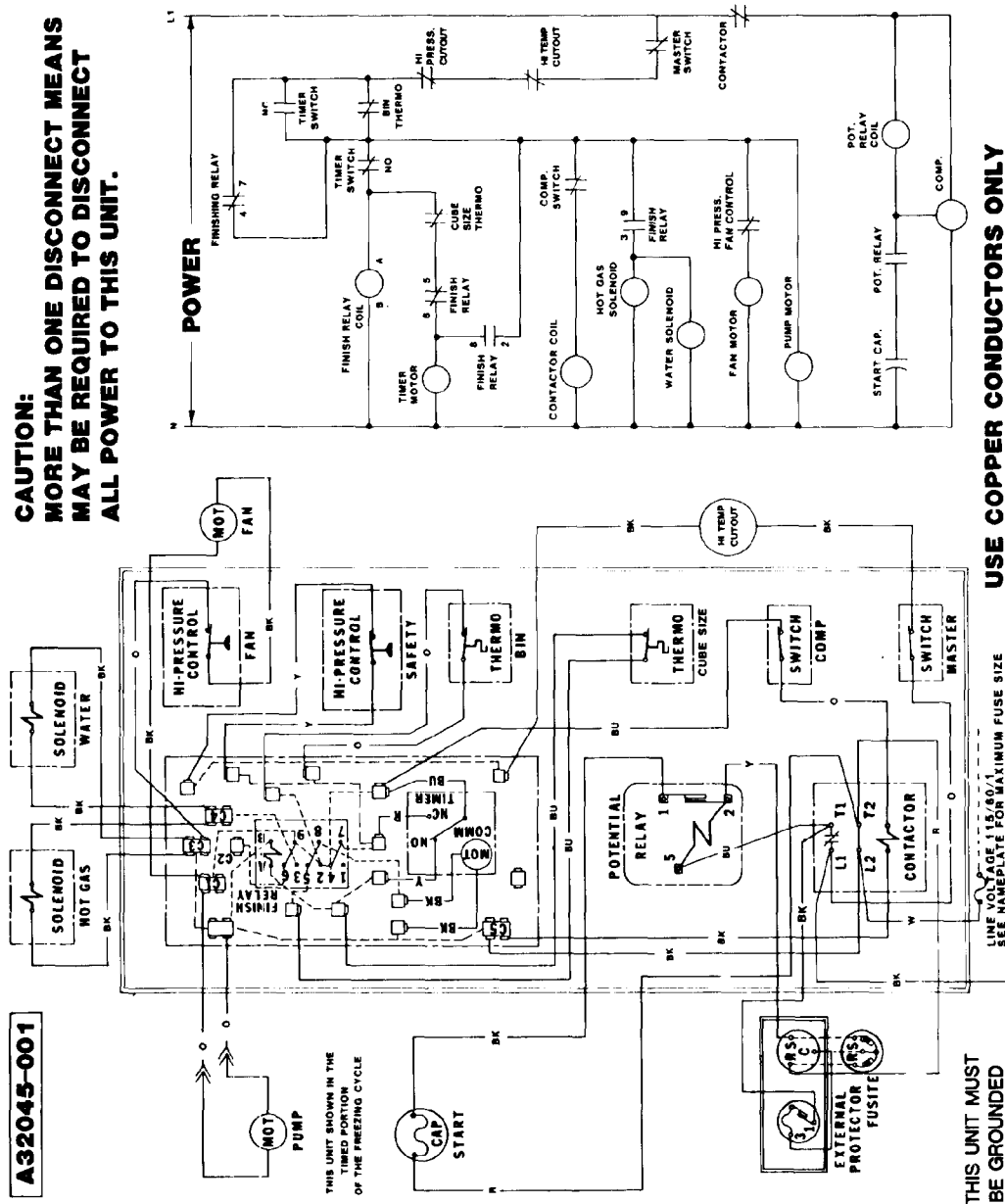
# CM250C WIRING DIAGRAM

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**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 885250-03G

CM250AE-1C Wiring Diagram (115/60/1) Air-Cooled

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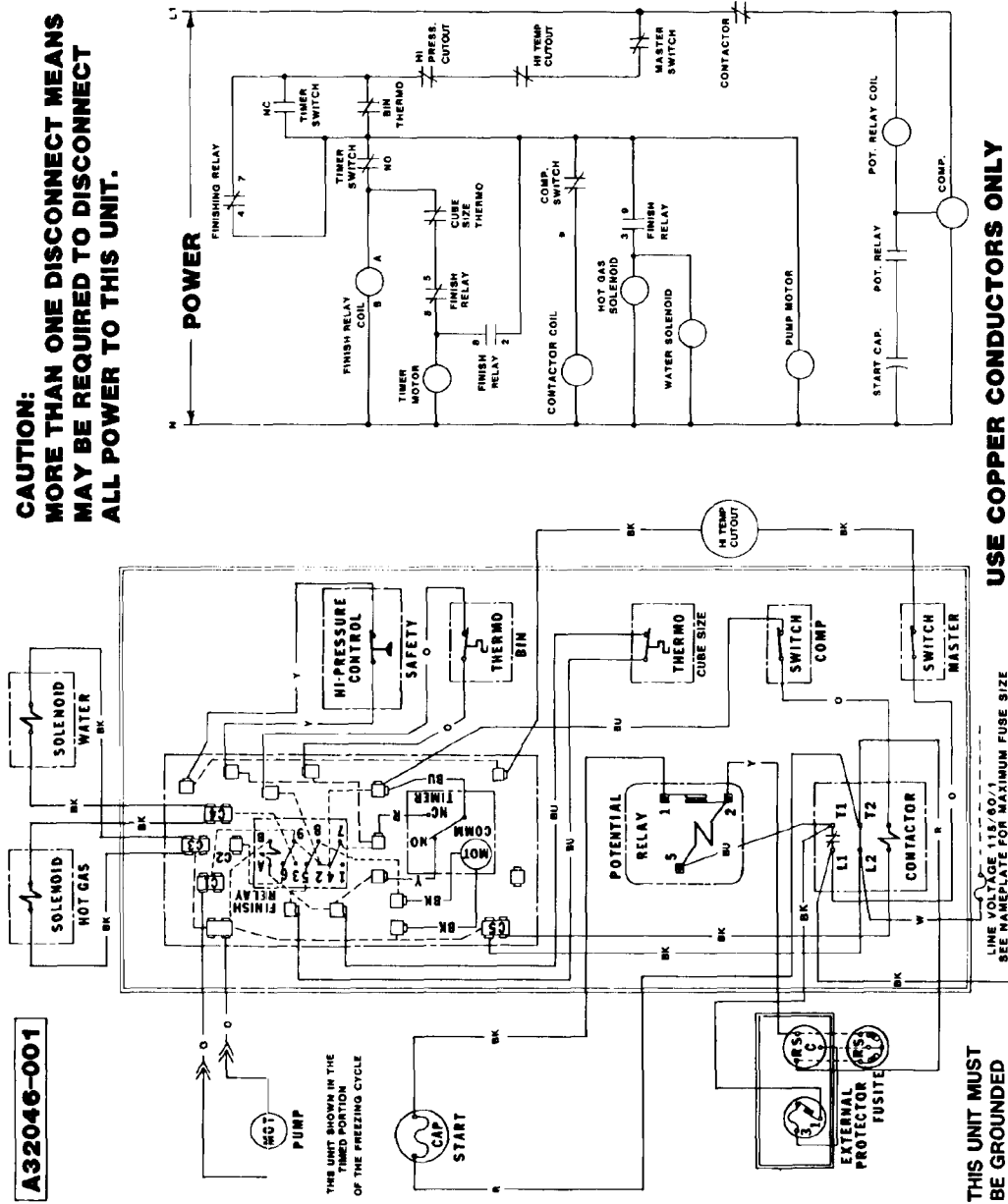
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## CM250C WIRING DIAGRAM

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**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 885250-03G

CM250WE-1C Wiring Diagram (115/60/1) Water-Cooled

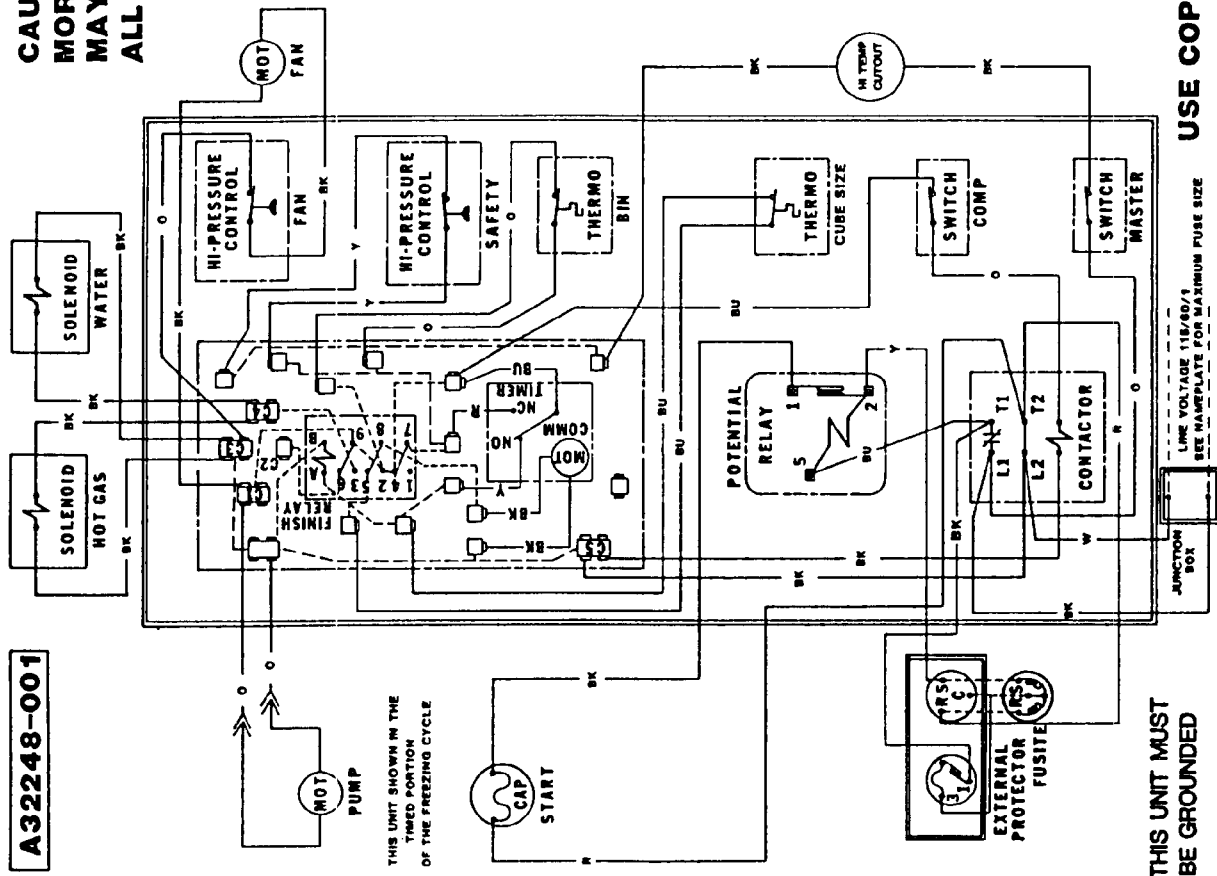
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# CM250 D AND E WIRING DIAGRAM

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



Wiring Diagram CM250AE-1D and CM250AE-1E (115/60/1)

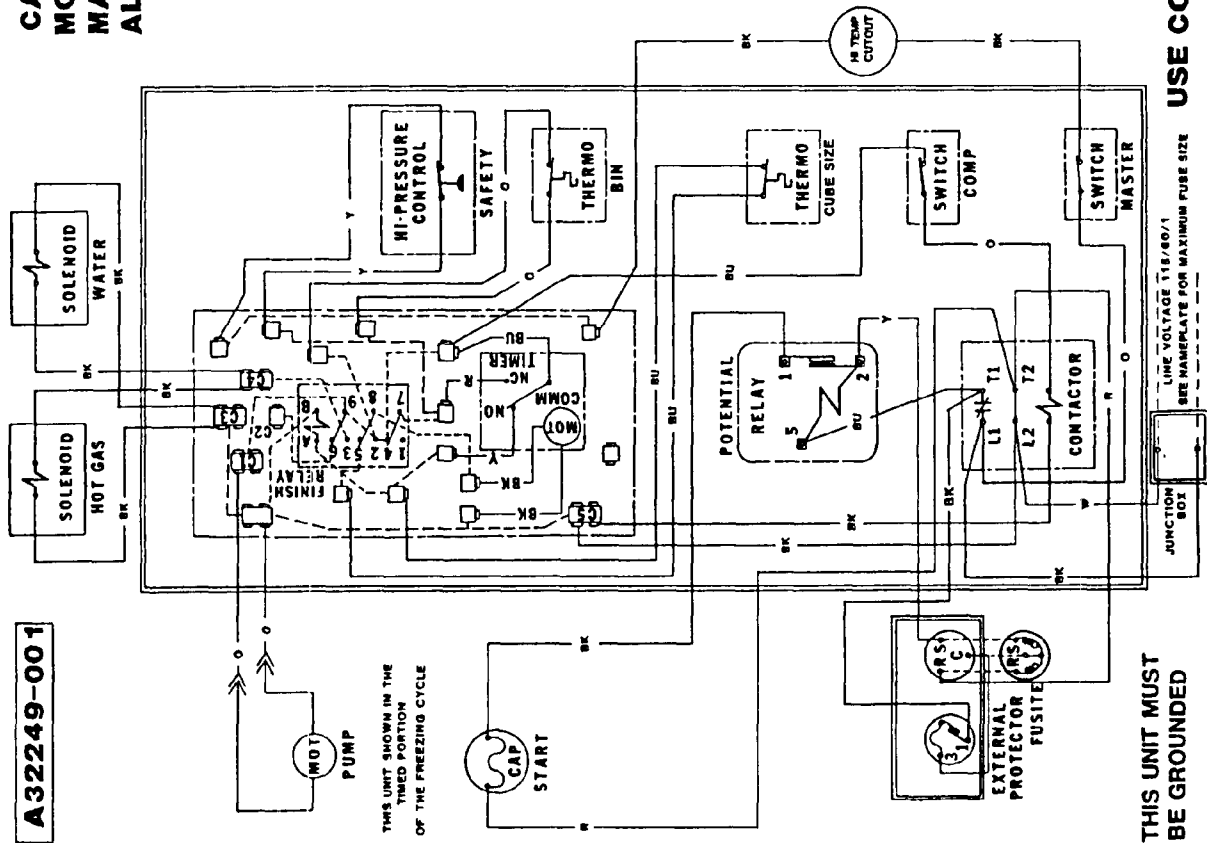
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## CM250 D AND E WIRING DIAGRAM

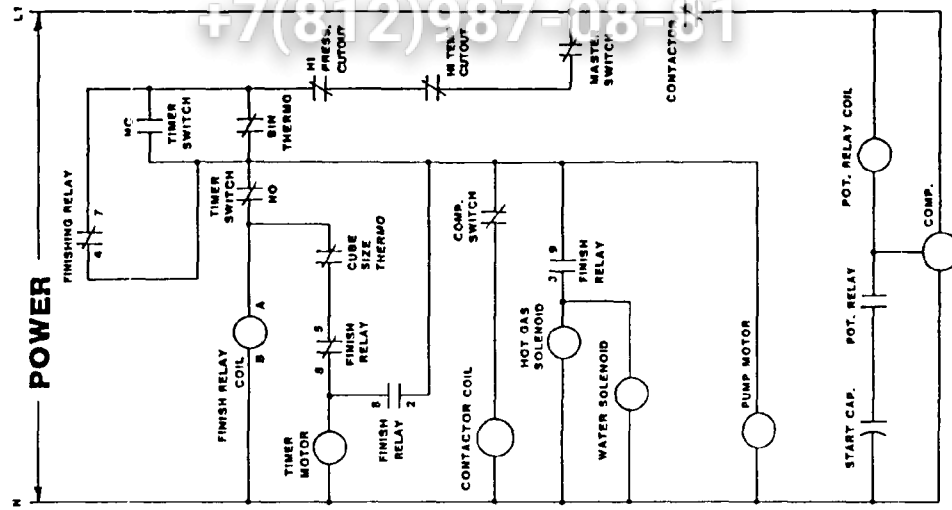
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**CAUTION:**  
MORE THAN ONE DISCONNECT MEANS  
MAY BE REQUIRED TO DISCONNECT  
ALL POWER TO THIS UNIT.



**USE COPPER CONDUCTORS ONLY**



Wiring Diagram CM250WE-1D and CM250WE-1E (115/60/1)