

# CME500R SERVICE PARTS

This section contains the parts illustrations and parts lists for the CME500R.

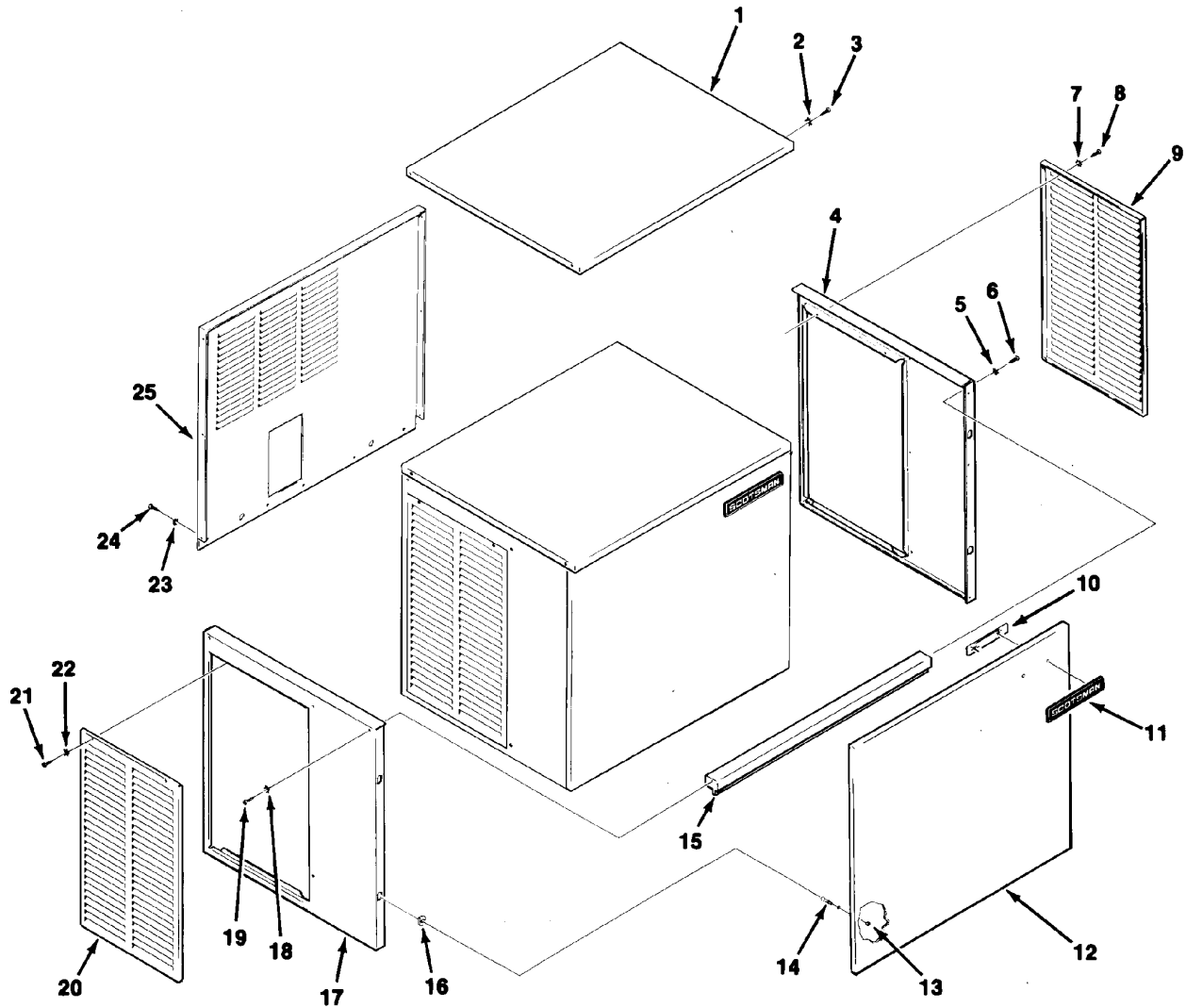
A "no number" designation, when found in the part number column, indicates the part in question is not available from Scotsman as an assembly. This designation is used only for clarity in making the list.

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.

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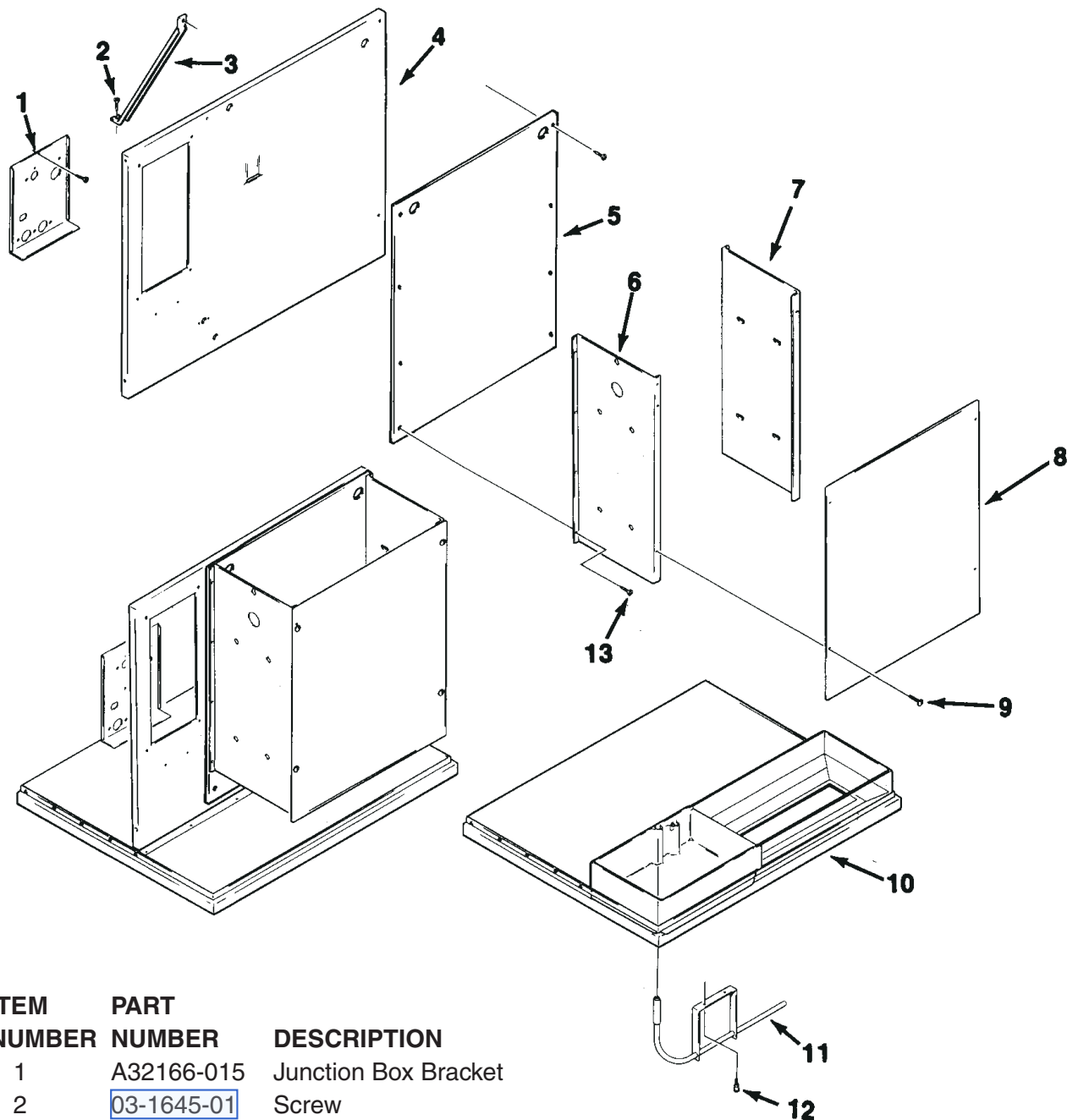
# CME500R SERVICE PARTS CABINET ASSEMBLY



| ITEM<br>NUMBER | PART<br>NUMBER | DESCRIPTION            | ITEM<br>NUMBER | PART<br>NUMBER | DESCRIPTION               |
|----------------|----------------|------------------------|----------------|----------------|---------------------------|
| 1              | A32159-001     | Top Panel, Painted     | 13             | 03-1406-04     | Nut                       |
|                | A32159-002     | Top Panel, S. S.       | 14             | 15-0411-00     | Strike                    |
| 2              | 03-1417-03     | Lockwasher             | 15             | A32169-001     | Front Support             |
| 3              | 03-1531-01     | Screw                  | 16             | 02-0836-00     | Cabinet Catch             |
| 4              | A32162-001     | Right End Panel, Paint | 17             | A32163-001     | Left End Panel, Paint     |
|                | A32162-002     | Right End Panel, S.S.  |                | A32163-002     | Left End Panel, S.S.      |
| 5              | 03-1417-03     | Lockwasher             | 18             | 03-1417-03     | Lockwasher                |
| 6              | 03-1531-01     | Screw                  | 19             | 03-1531-01     | Screw                     |
| 7              | 03-1417-03     | Lockwasher             | 20             | A32161-001     | Service Panel, sandalwood |
| 8              | 03-1404-12     | Screw                  |                | A33946-002     | Service Panel, gray       |
| 9              | A32161-001     | Service Panel, Painted | 21             | 03-1404-12     | Screw                     |
|                | A33946-002     | Service Panel, gray    | 22             | 03-1412-03     | Lockwasher                |
| 10             | 03-0271-00     | Speed Nut              | 23             | 03-1417-03     | Lockwasher                |
| 11             | 15-0711-01     | Emblem                 | 24             | 03-1531-01     | Screw                     |
| 12             | A32160-001     | Front Panel, Painted   | 25             | A32201-001     | Back Panel, painted       |
|                | A32160-002     | Front Panel, S.S.      |                | A32201-002     | Back panel, stainless     |

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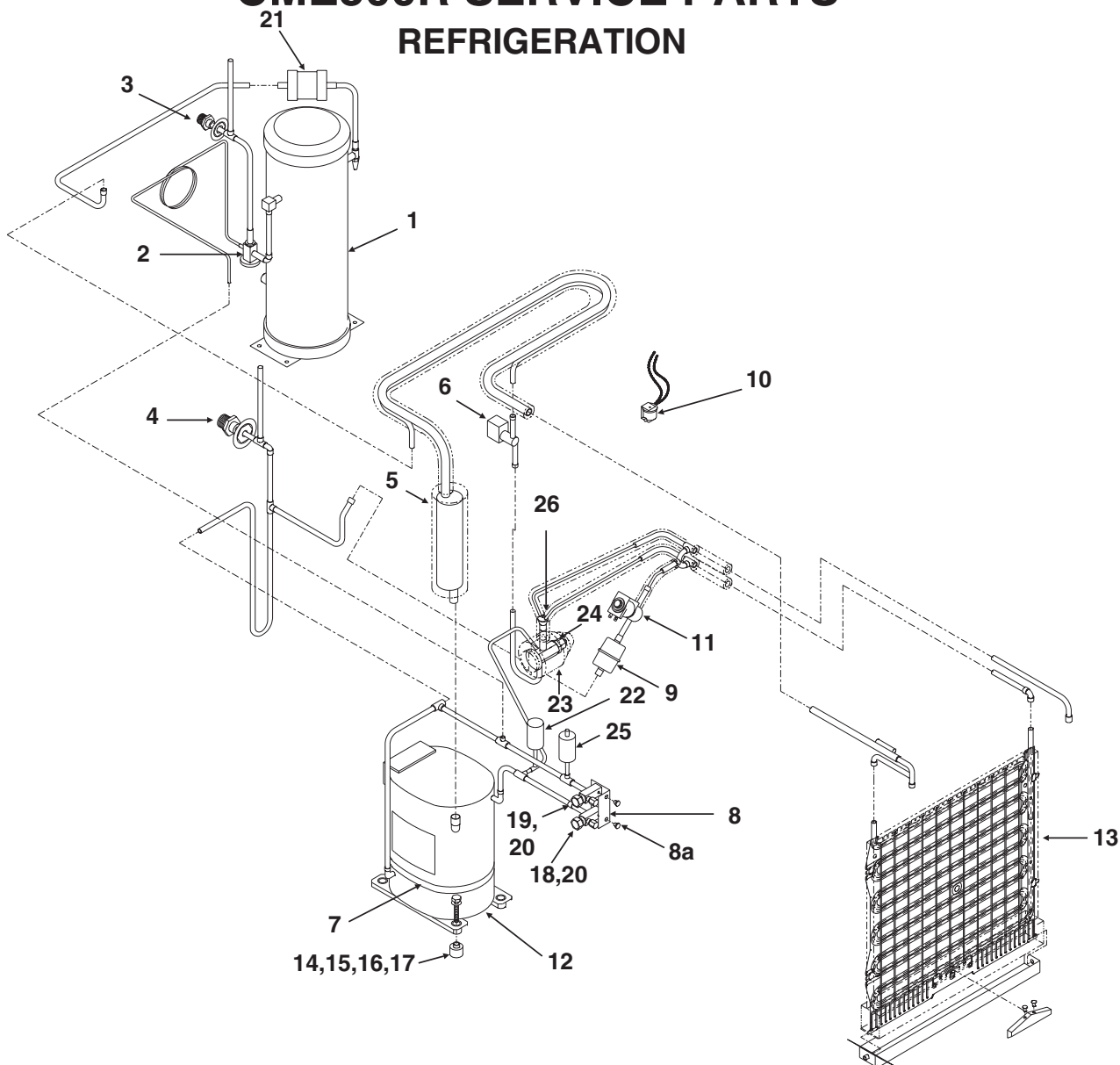
## CABINET INTERIOR



| ITEM<br>NUMBER | PART<br>NUMBER             | DESCRIPTION               |
|----------------|----------------------------|---------------------------|
| 1              | A32166-015                 | Junction Box Bracket      |
| 2              | <a href="#">03-1645-01</a> | Screw                     |
| 3              | A32210-001                 | Support Brace             |
| 4              | A32158-001                 | Retainer                  |
| 5              | <a href="#">02-2867-01</a> | Splash Panel              |
| 6              | A35671-001                 | Evaporator Bracket, Left  |
| 7              | A32172-001                 | Evaporator Bracket, Right |
| 8              | <a href="#">02-3246-01</a> | Evaporator Plate Cover    |
| 9              | <a href="#">03-0727-09</a> | Thumbscrew                |
| 10             | A32153-001                 | Base                      |
| 11             | A32262-001                 | Bin Thermostat Bracket    |
| 12             | <a href="#">03-0727-09</a> | Thumbscrew                |
| 13             | <a href="#">03-1531-02</a> | Screw                     |

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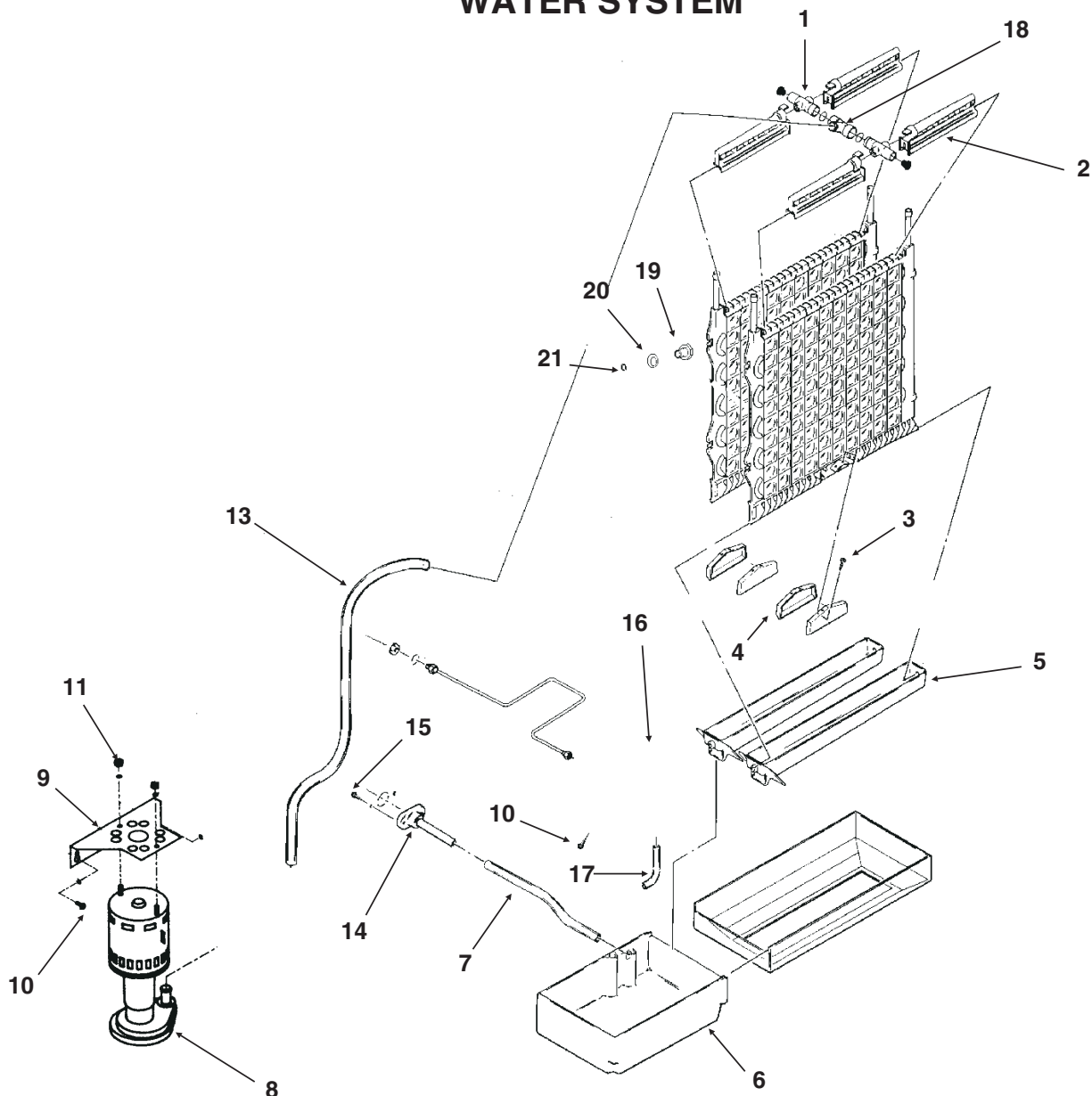
## REFRIGERATION



| ITEM<br>NUMBER | PART<br>NUMBER             | DESCRIPTION                         | ITEM<br>NUMBER | PART<br>NUMBER             | DESCRIPTION                   |
|----------------|----------------------------|-------------------------------------|----------------|----------------------------|-------------------------------|
| 1              | <a href="#">16-0761-01</a> | Receiver                            | 13             | <a href="#">A30296-020</a> | Evaporator                    |
| 2              | <a href="#">11-0422-24</a> | Discharge press. control valve      | 14             | <a href="#">18-2200-28</a> | Grommet                       |
| 3              | <a href="#">16-0850-03</a> | Quick connect fitting, 3/8"         | 15             | <a href="#">18-2200-27</a> | Sleeve                        |
| 4              | <a href="#">16-0850-01</a> | Quick connect fitting, 1/2"         | 16             | <a href="#">03-1407-07</a> | Washer                        |
| 5              | <a href="#">A35812-001</a> | Heat exchanger                      | 17             | <a href="#">03-1405-20</a> | Screw                         |
| 6              | <a href="#">12-2135-21</a> | Liquid line solenoid valve          | 18             | <a href="#">16-0832-20</a> | Lo side access valve (w/caps) |
| 7              | <a href="#">12-1868-01</a> | Crankcase heater                    | 19             | <a href="#">16-0832-21</a> | Hi side access valve (w/caps) |
| 8              | <a href="#">A35588-001</a> | Bracket for valves                  | 20             | <a href="#">16-0832-02</a> | Stem cap                      |
| 8a             | <a href="#">03-0571-02</a> | Screw for valves                    |                | <a href="#">16-0832-03</a> | Core cap                      |
| 9              | <a href="#">02-3231-01</a> | Hot gas valve filter                | 21             | <a href="#">02-3319-02</a> | Drier                         |
|                |                            | (only used on -12L date code units) | 22             | <a href="#">11-0484-21</a> | Pump down pressure switch     |
| 10             | <a href="#">12-2300-03</a> | Hi Temp Cut Out                     | 23             | <a href="#">A36067-001</a> | TXV insulation                |
| 11             | <a href="#">12-2417-21</a> | 115v Hot Gas Valve with coil        | 24             | <a href="#">16-0867-21</a> | TXV                           |
| 12             | <a href="#">18-8721-21</a> | 115v Compressor, includes drier     | 25             | <a href="#">11-0485-21</a> | Hi Pressure Cut Out Switch    |
|                | <a href="#">18-8711-50</a> | Overload                            | 26             | <a href="#">16-0843-01</a> | Distributor                   |

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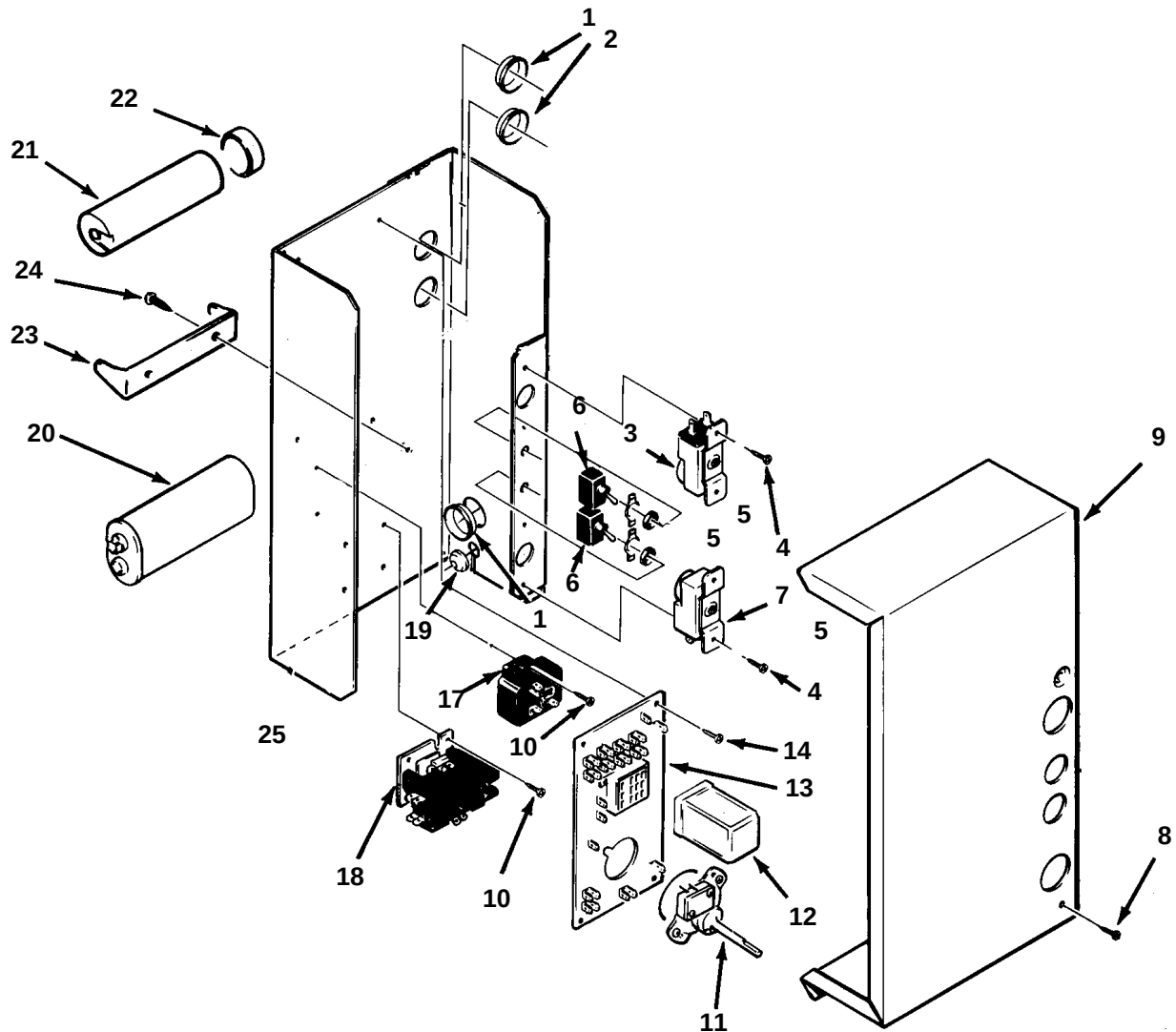
## WATER SYSTEM



| ITEM<br>NUMBER | PART<br>NUMBER             | DESCRIPTION            |
|----------------|----------------------------|------------------------|
| 1              | A29703-001                 | Manifold               |
| 2              | <a href="#">02-2527-01</a> | Water distributor tube |
| 3              | <a href="#">03-1404-10</a> | Screw                  |
| 4              | <a href="#">02-2878-01</a> | End cover              |
| 5              | <a href="#">02-2868-01</a> | Drain trough           |
| 6              | <a href="#">02-2869-01</a> | Reservoir              |
| 7              | <a href="#">13-0674-07</a> | Drain hose, 8"         |
| 8              | <a href="#">12-2265-21</a> | 115v Water pump        |
| 9              | A35554-015                 | Pump bracket           |
| 10             | <a href="#">03-1531-01</a> | Screw                  |
| 11             | <a href="#">03-1406-05</a> | Nut                    |
| 12             | <a href="#">03-1417-06</a> | Lockwasher             |

| ITEM<br>NUMBER | PART<br>NUMBER             | DESCRIPTION            |
|----------------|----------------------------|------------------------|
| 13             | <a href="#">13-0674-07</a> | Pump hose, 33"         |
| 14             | A32282-003                 | Drain assembly         |
| 15             | <a href="#">03-1645-01</a> | Screw                  |
| 16             | <a href="#">12-2446-23</a> | 115v Inlet water valve |
| 17             | A30918-001                 | Water inlet tube       |
| 18             | <a href="#">02-2519-01</a> | Tee                    |
| 19             | <a href="#">02-2642-01</a> | Plate mount            |
| 20             | <a href="#">03-1408-34</a> | Washer                 |
| 21             | <a href="#">03-1394-03</a> | Pal nut                |

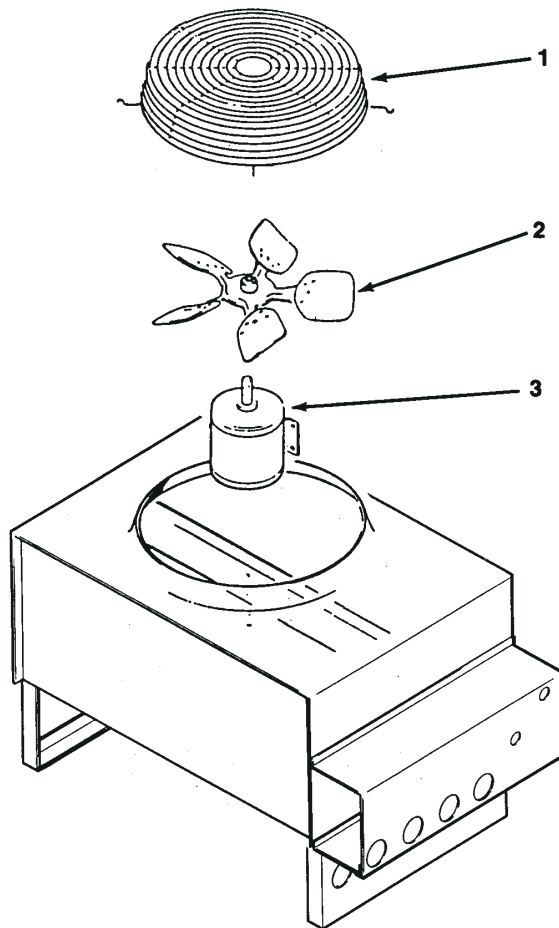
# CME500R SERVICE PARTS CONTROL BOX



| ITEM<br>NUMBER | PART<br>NUMBER             | DESCRIPTION          | ITEM<br>NUMBER | PART<br>NUMBER             | DESCRIPTION                 |
|----------------|----------------------------|----------------------|----------------|----------------------------|-----------------------------|
| 1              | <a href="#">12-1213-17</a> | Snap bushing         | 16             | <a href="#">03-1417-03</a> | Lockwasher                  |
| 2              | <a href="#">12-1213-10</a> | Snap bushing         | 17             | <a href="#">18-1903-50</a> | 115v Potential relay        |
| 3              | <a href="#">11-0437-21</a> | Cube size thermostat | 18             | <a href="#">12-2048-01</a> | 115v Contactor              |
| 4              | <a href="#">03-1403-17</a> | Screw                | 19             | <a href="#">12-1213-04</a> | Snap bushing                |
| 5              | <a href="#">03-1417-27</a> | Lockwasher           | 20             | <a href="#">18-1902-45</a> | 115v Run capacitor          |
| 6              | <a href="#">12-0426-01</a> | Toggle switch        |                | <a href="#">13-0666-00</a> | Cap for run capacitor       |
| 7              | <a href="#">11-0427-22</a> | Bin thermostat       |                | <a href="#">A32872-001</a> | Clamp for run capacitor     |
| 8              | <a href="#">03-1531-01</a> | Screw                | 21             | <a href="#">18-1901-03</a> | 115v Start capacitor        |
| 9              | <a href="#">A32168-001</a> | Control Box Cover    | 22             | <a href="#">18-2200-38</a> | Cap for start capacitor     |
| 10             | <a href="#">03-1638-03</a> | Screw                | 23             | <a href="#">18-2200-39</a> | Bracket for start capacitor |
| 11             | <a href="#">12-2317-21</a> | 115v Timer & Switch  | 24             | <a href="#">03-1418-06</a> | Screw                       |
| 12             | <a href="#">12-1879-02</a> | Relay, 115 V         | 25             | <a href="#">03-1406-06</a> | #10 Hex nut                 |
| 13             | <a href="#">12-1912-01</a> | Circuit Board        |                |                            |                             |
| 14             | <a href="#">03-1403-02</a> | Screw                |                |                            |                             |
| 15             | <a href="#">03-1403-05</a> | Screw                |                |                            |                             |

# CME500R SERVICE PARTS

## REMOTE CONDENSER



### RCE501-1

| ITEM<br>NUMBER | PART<br>NUMBER             | DESCRIPTION |
|----------------|----------------------------|-------------|
| 1              | <a href="#">02-2618-01</a> | Fan Guard   |
| 2              | <a href="#">18-6304-01</a> | Fan Blade   |
| 3              | <a href="#">18-6305-01</a> | Fan Motor   |

### For Pre Charged Line Set

|   |                            |                        |
|---|----------------------------|------------------------|
| 4 | <a href="#">16-1057-01</a> | Female coupling (3/8") |
| 5 | <a href="#">16-1057-02</a> | Female coupling (1/2") |

### ERC101 - production began Jan. 1996

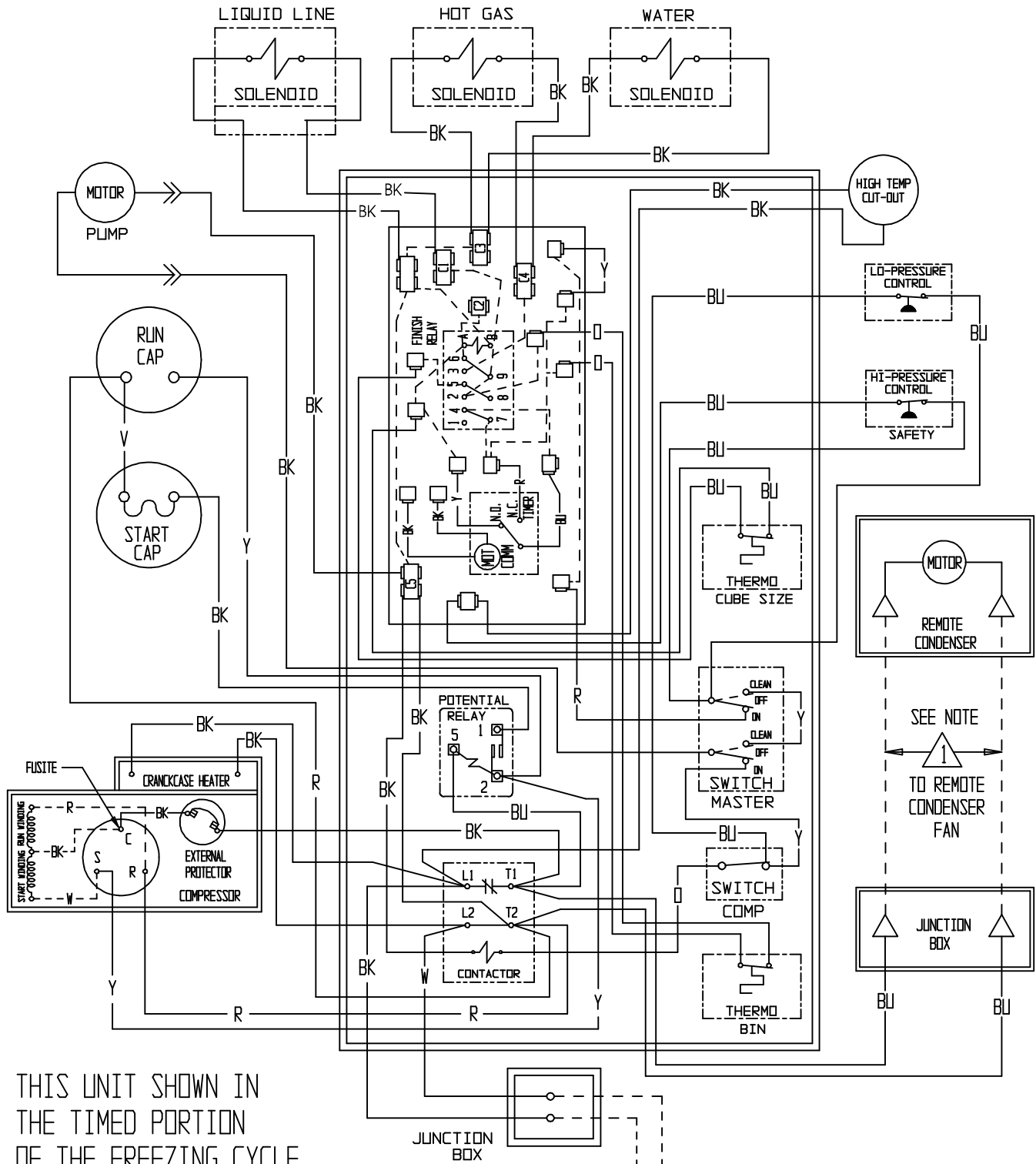
|   |                            |           |
|---|----------------------------|-----------|
| 1 | <a href="#">02-3575-01</a> | Fan guard |
| 2 | <a href="#">18-8800-01</a> | Fan blade |
| 3 | <a href="#">18-8796-01</a> | Fan motor |

# CME500R SERVICE PARTS

## 115v, 60 Hz WIRING DIAGRAM

A35985-001

THIS UNIT MUST BE GROUNDED



THIS UNIT SHOWN IN  
THE TIMED PORTION  
OF THE FREEZING CYCLE

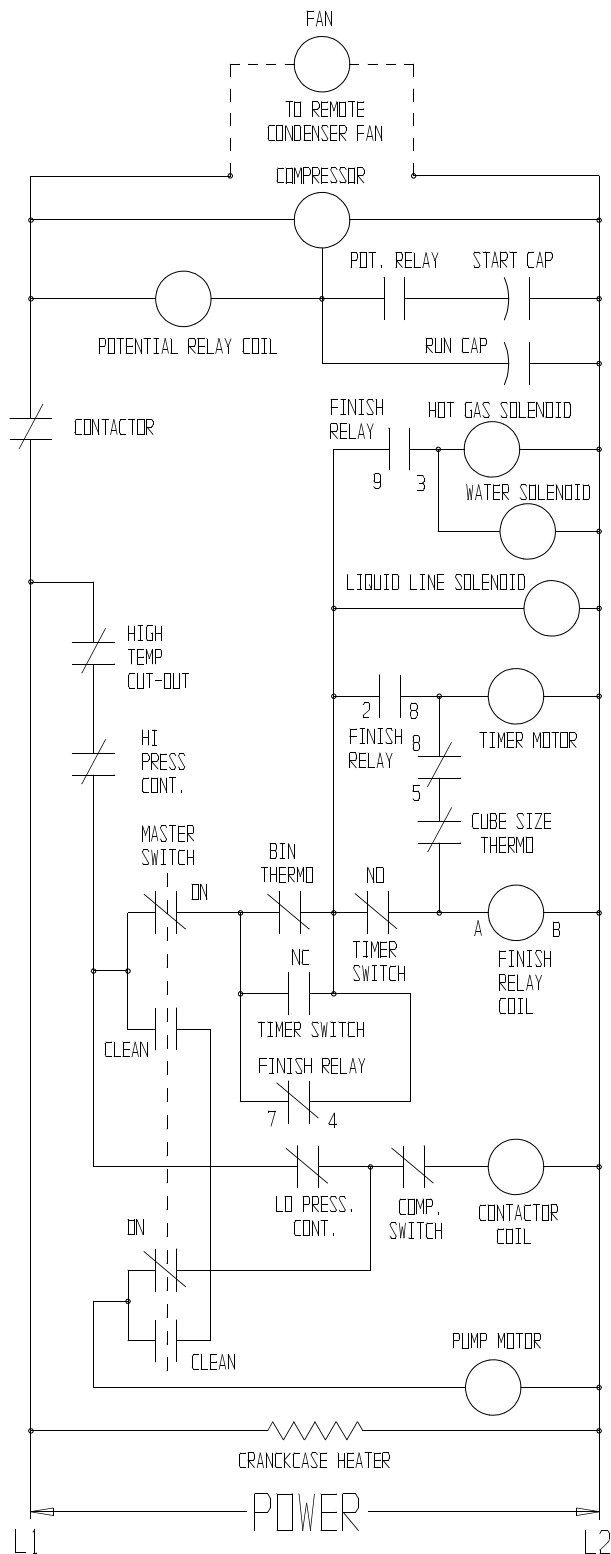
USE COPPER CONDUCTORS ONLY

POWER SUPPLY:  
SEE NAMEPLATE FOR PROPER VOLTAGE  
REQUIREMENTS AND MAXIMUM FUSE SIZE



# CME500R SERVICE PARTS 115v, 60 Hz SCHEMATIC DIAGRAM

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



# **CME500R SERVICE PARTS**