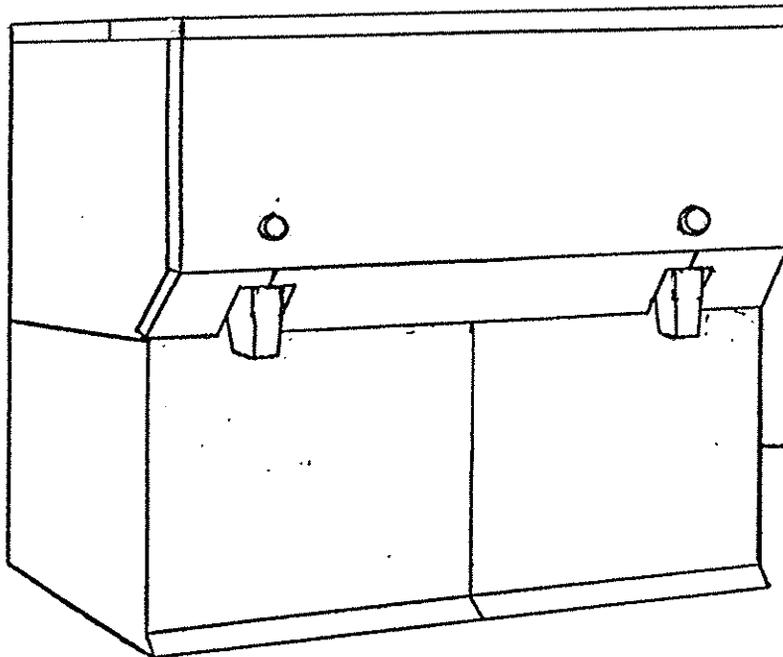


REMCOR[®]

ICE/BEVERAGE DISPENSERS

OWNER'S MANUAL



**MODEL
TJ200T**

**REMCOR PRODUCTS CO.
9145 KING ST.
FRANKLIN PARK, IL 60131
(312) 671-7140**

90747

REV. A

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MFD UNDER PATENT NOS
3,393,839
3,517,860
CANADIAN 912,514
4,346,824 (10/72)

OTHER PATENTS PENDING

SAFETY PRECAUTIONS

Always disconnect power to the dispenser before servicing or cleaning.

Never place hands inside of hopper or gate area without disconnecting power to the dispenser. Agitator rotation occurs automatically when dispenser is energized!

This ice dispenser has been specifically designed to provide protection against personal injury, and eliminates contamination of ice. To insure continued protection and sanitation, observe the following:

ALWAYS be sure the removable lid is properly installed to prevent unauthorized access to the hopper interior and possible contamination of the ice.

ALWAYS be sure the upper and lower front panels are securely fastened.

ALWAYS keep area around the dispenser clean of ice cubes.

CAUTION

1. Dispenser cannot be used with crushed or flaked ice.
2. Use of bagged ice, which has frozed into large chunks can void warranty. The dispenser agitator is not designed to be an ice crusher - use of large chunks of ice which "jam-up" inside the hopper will cause failure of the agitator motor and damage to the hopper. If bagged ice is used it must be carefully and completely broken into small, cube-size pieces before filling into the dispenser hopper.

DESCRIPTION

The Remcor "TJ200" series of ice dispensers solve your ice service needs the sanitary, space saving, economical way. The units are designed to be used with one of several "piped ice" type icemakers or top mounted "ice tuber."

These dispensers will dispense cubes (up to 1-3/8" size), cubelets and hard chipped or cracked ice. Remcor dispensers cannot be used with crushed or flaked ice.

SPECIFICATIONS

| | |
|------------------------|--|
| MODEL: | TJ200-T |
| ICE STORAGE CAPACITY: | 200 lbs. |
| ELECTRICAL: | 115 Volts, single phase, 60 hz |
| ELECTRICAL CONNECTION: | Supplied with 6 ft, 3-wire cord with 3-prong ground type plug. |
| AMPERAGE: | 6.0 amps |
| DRAIN CONNECTION: | 7/8" I.D. hose |
| DIMENSIONS: | 40" wide X 33" high X 26 5/8" deep |
| CABINETY: | All stainless steel |

INSTALLATION INSTRUCTIONS

1. The ice dispenser must be sealed to the counter. The template drawing (page 5) indicates openings which must be cut in the counter. Locate the desired position for the dispenser, then mark the outline dimensions and cut-out locations using the template drawings. Cut openings in the counter.

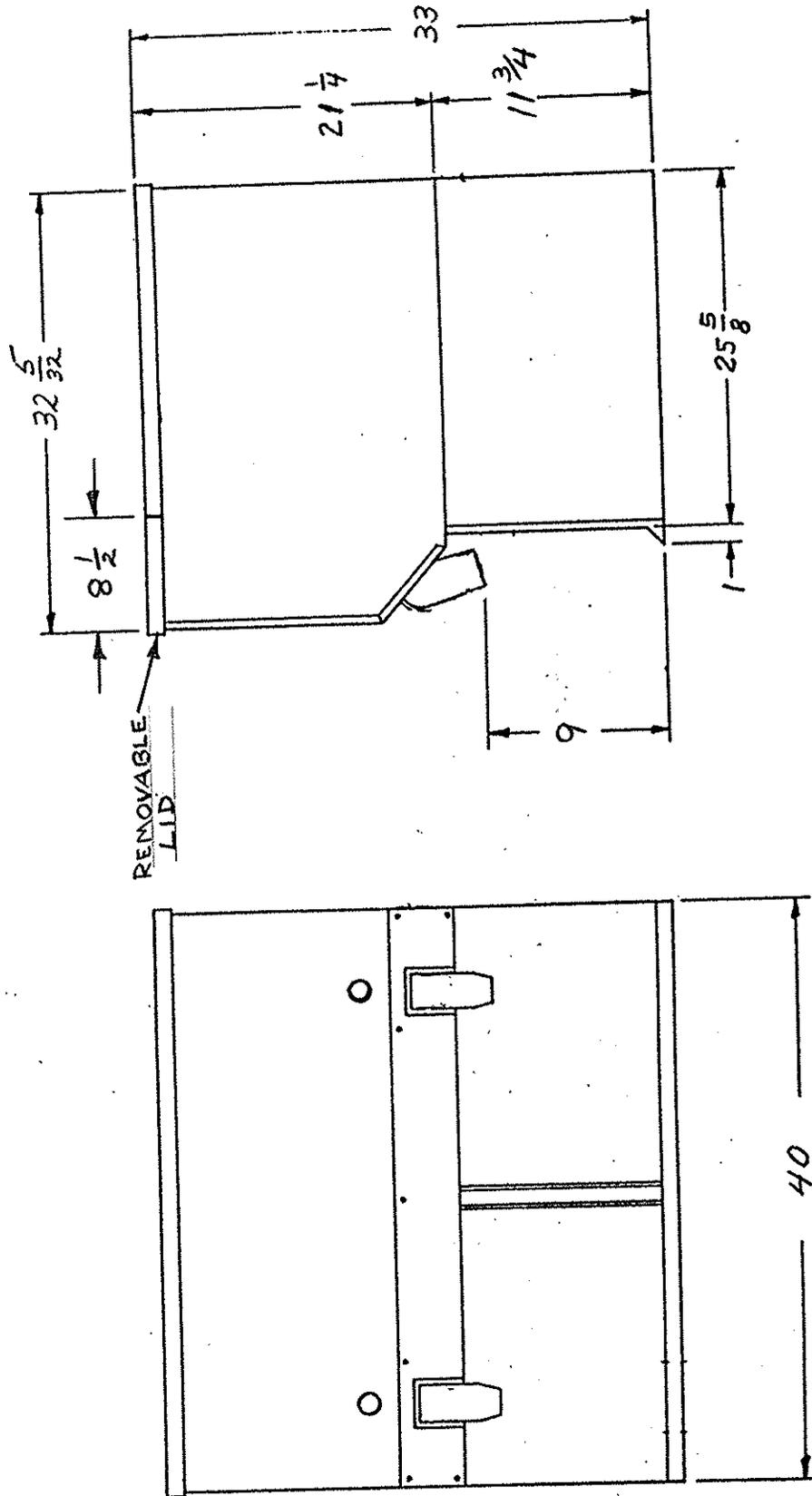
Apply a continuous bead of NSF approved silastic sealant (Dow 732 or equal) approximately 1/4" inside of the unit outline dimensions, and around all openings. Then position the unit on the counter within the outline dimensions. All excess sealant must be wiped away immediately.

2. Route the hopper drain line, and power cord through the opening in the bottom of the unit. See page 5, mounting template, for locating the required clearance holes in the counter for these utility lines.
3. Connect the hopper drain tube to an open drain. If additional piping is required, it must be 3/4" IPS (or equal), and must pitch downward away from the unit for proper drainage.

Clean the ice dispenser interior (see cleaning instructions).

Connect the power cord to a 115 volt, 60 cycle, 3-wire grounded receptacle.

"K" models only - Install icemaker according to instructions supplied with kit, and manufacturers instructions supplied with icemaker.

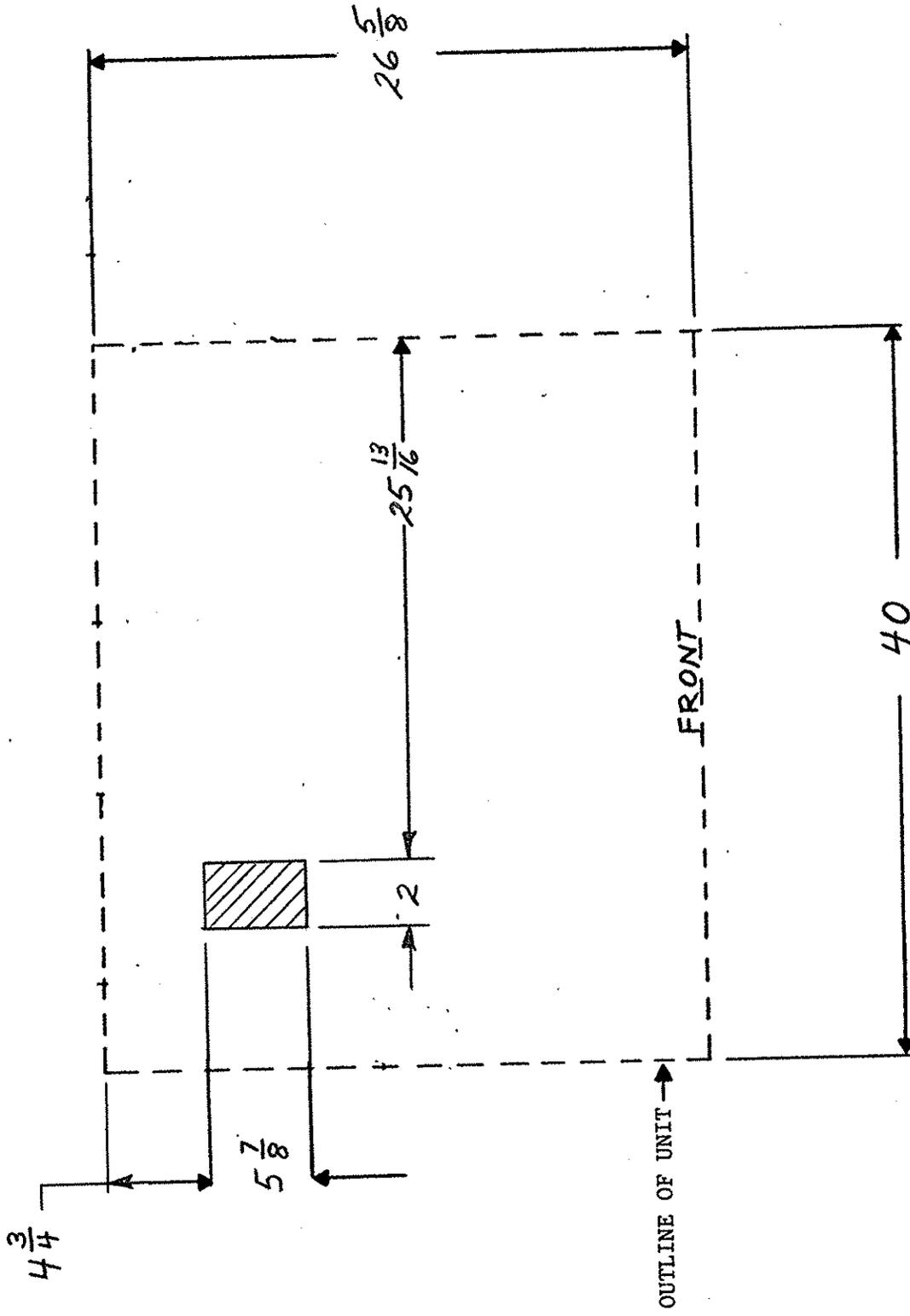


INSTALLATION SPECIFICATIONS

FIG. 1

MOUNTING TEMPLATE

FIG. 2



SHADED AREAS INDICATE OPENINGS IN CABINET BOTTOM NEEDED FOR UTILITIES

OPERATING INSTRUCTIONS

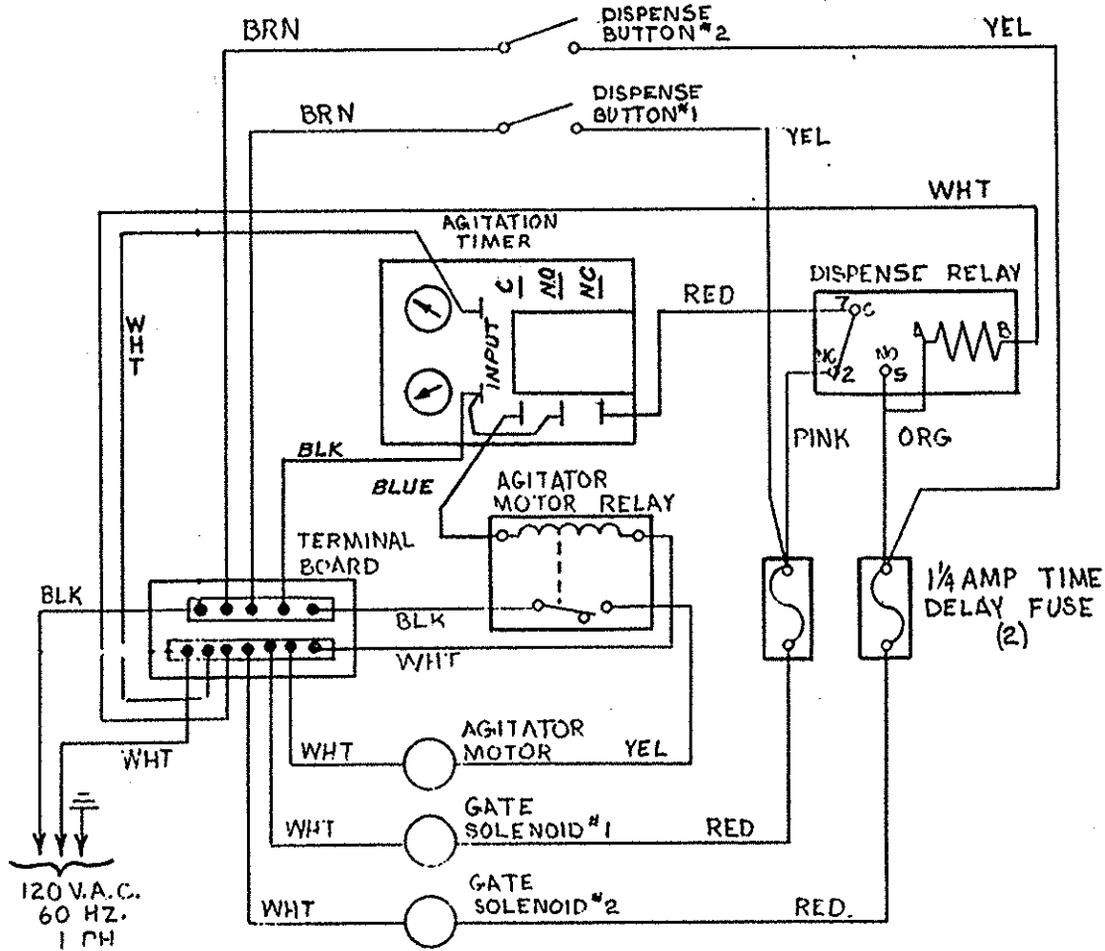
1. Ice Dispensing - Depressing the push button located above each ice chute activates a switch which energizes the agitator motor and gate solenoid. This causes the agitator to rotate and the gate slide to lift, allowing ice to push out the gate opening into the ice chute.
2. Ice Level - STD Models: When the ice level light is on, open the lid and fill the hopper with ice. Close the lid to avoid contamination of ice.

Note: Use caution to avoid spilling ice when filling dispenser. Clean up immediately any spilled ice from filling or operating the unit. To prevent contamination of ice, the lid must be installed on the unit at all times.

- "K" models:

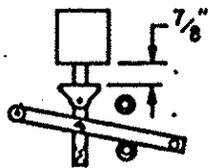
Automatic Ice Filling. As with "A" models, the agitation timer causes the ice to level which allows the entire storage bin to fill before the ice machine shuts off. The icemaker control capillary bulb maintains the ice level in the storage hopper. Consult the instructions provided with the installation kit , and the icemaker manual for location and operation of the icemaker control.

WIRING DIAGRAM TJ200-DK,TK



SERVICE INFORMATION

DANGER: ELECTRIC SHOCK HAZARD. DISCONNECT
POWER BEFORE SERVICING UNIT.



SOLENOID ADJUSTMENT

WHEN REPLACING SOLENOID
ADJUST TO 7/8 AS SHOWN
BEFORE TIGHTENING
MOUNTING SCREWS.

MAINTENANCE

The following dispenser maintenance should be performed at the intervals indicated:

Daily (or as required)

Remove foreign material from vending area sink, to prevent drain blockage.

Weekly (or as required)

Clean the vending area. Check for proper water drainage from the vending area sink.

Monthly

Clean and sanitize the hopper interior,
(see cleaning instructions).

If the dispenser fails to dispense ice when operated, check that the hopper has ice in it and that power is being supplied to the unit. If the problem persists, check the following:

Determine if the agitator is rotating (check for the sound of ice movement in the hopper).

Observe whether the gates are operating.

After checking the above, refer to the "Troubleshooting Guide" for possible problem causes and corrective action.

CLEANING INSTRUCTIONS

WARNING: DISCONNECT POWER BEFORE CLEANING.

Do not use metal scrapers, sharp objects or abrasives on the surface of the liner, as damage may result. Do not use solvents or other cleaning agents as they may attack the plastic liner.

DISPENSER

1. Clean the ice dispenser interior at least once a month.
2. Remove the agitator bolt and lift off the agitator assembly, taking care not to lose the shaft key. Wash and rinse all parts thoroughly.
3. Carefully remove, wash and rinse all internal hopper components.
4. Wash down the inside of hopper and top cover with mild detergent solution, and rinse thoroughly to remove all traces of detergent.
5. Replace agitator and other components.
6. Sanitize the inside of hopper and agitator with a solution of 1 oz of household bleach in 1 gallon of water.
7. With the brush provided, clean the inside of the ice transfer conduits and ice chutes with a mild detergent solution and rinse thoroughly to remove all traces of detergent. Sanitize as described in step 6.

TROUBLESHOOTING GUIDE

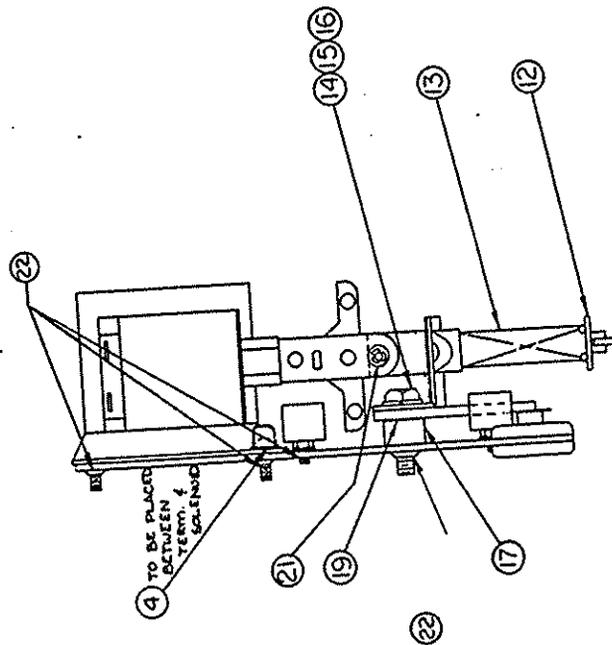
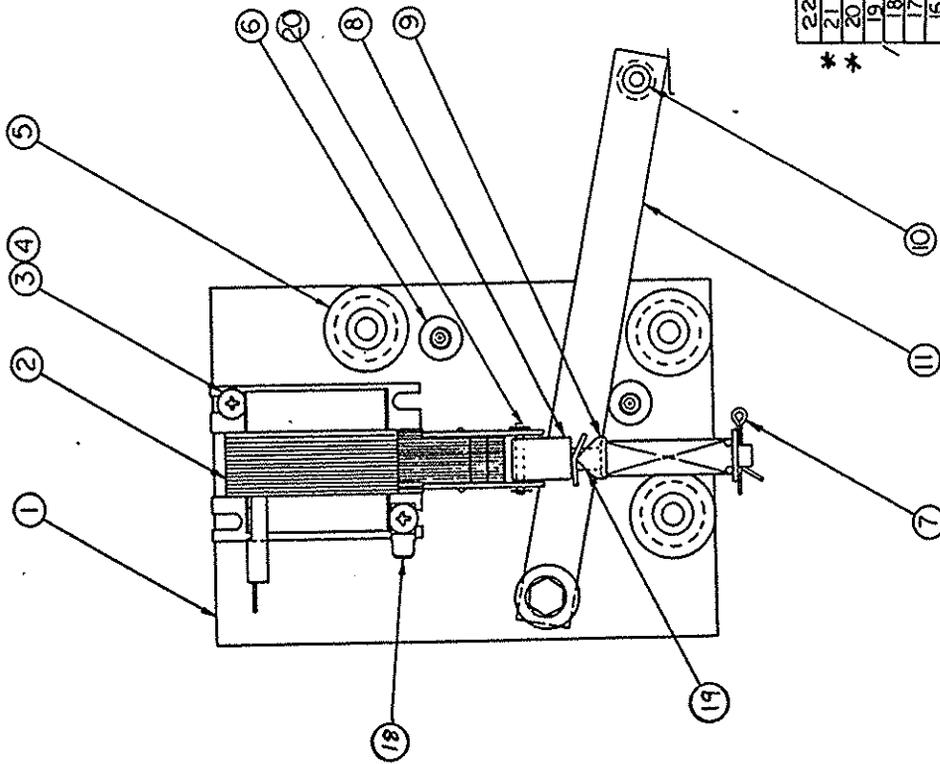
Should your unit fail to operate properly, check that there is power to the unit, and that the hopper contains ice. If the unit still does not dispense, check the following chart under the appropriate symptoms to aid in locating the defect.

| <u>SYMPTOM</u> | <u>POSSIBLE CAUSE</u> |
|---|--|
| 1. Blown fuse or circuit breaker. | 1. Short circuit in wiring. 2. Defective gate solenoid. 3. Defective agitator motor. |
| 2. Gate does not open. Agitator does not turn. | 1. No power. 2. Defective dispensing switch. |
| 3. Gate does not open or is sluggish. Agitator turns. | 1. Defective gate solenoid. 2. Weak gate spring. |
| 4. Gate opens. Agitator does not turn. | 1. Agitator motor protector tripped. 2. Defective agitator motor. 3. Defective agitator relay. 4. Defective dispense relay. |
| 5. Ice dispenses continuously. | 1. Defective dispensing switch. 2. Improper switch installation. 3. Defective dispense relay. |
| 6. Slushy ice. Water in hopper. | 1. Blocked drain. 2. Unit not level. 3. Icemaker malfunction. |

Refer to manufacturers instructions for troubleshooting icemaker.

PARTS LIST

| <u>DESCRIPTION</u> | <u>PART NO.</u> |
|---------------------------------|-----------------|
| FUSE - 1 $\frac{1}{4}$ AMP | 31406 |
| Dispense Relay | 31206 |
| Dispensing Switch | 30894 |
| Mercury Relay (Agitator Motor) | 31375 |
| Timer - Agitation | 31763 |
| | |
| Terminal Board | 30960 |
| | |
| Agitator Motor | 31197 |
| Agitator Motor Heater | 30794 |
| Insulation (Agitator Motor) | 50967 |
| Motor Shaft Seal | 50891 |
| Bracket, Hopper Seal | 22402 |
| Gate Gasket | 50770 |
| Gate Restrictor | 22081 |
| Gate Slide | 21491 |
| Ice Chute | 50751 |
| Solenoid Assy (See Page 13 +14) | ----- |
| Solenoid | 31551 |
| Rebuilding Kit | 70438 |
| | |
| Agitator | 22676 |

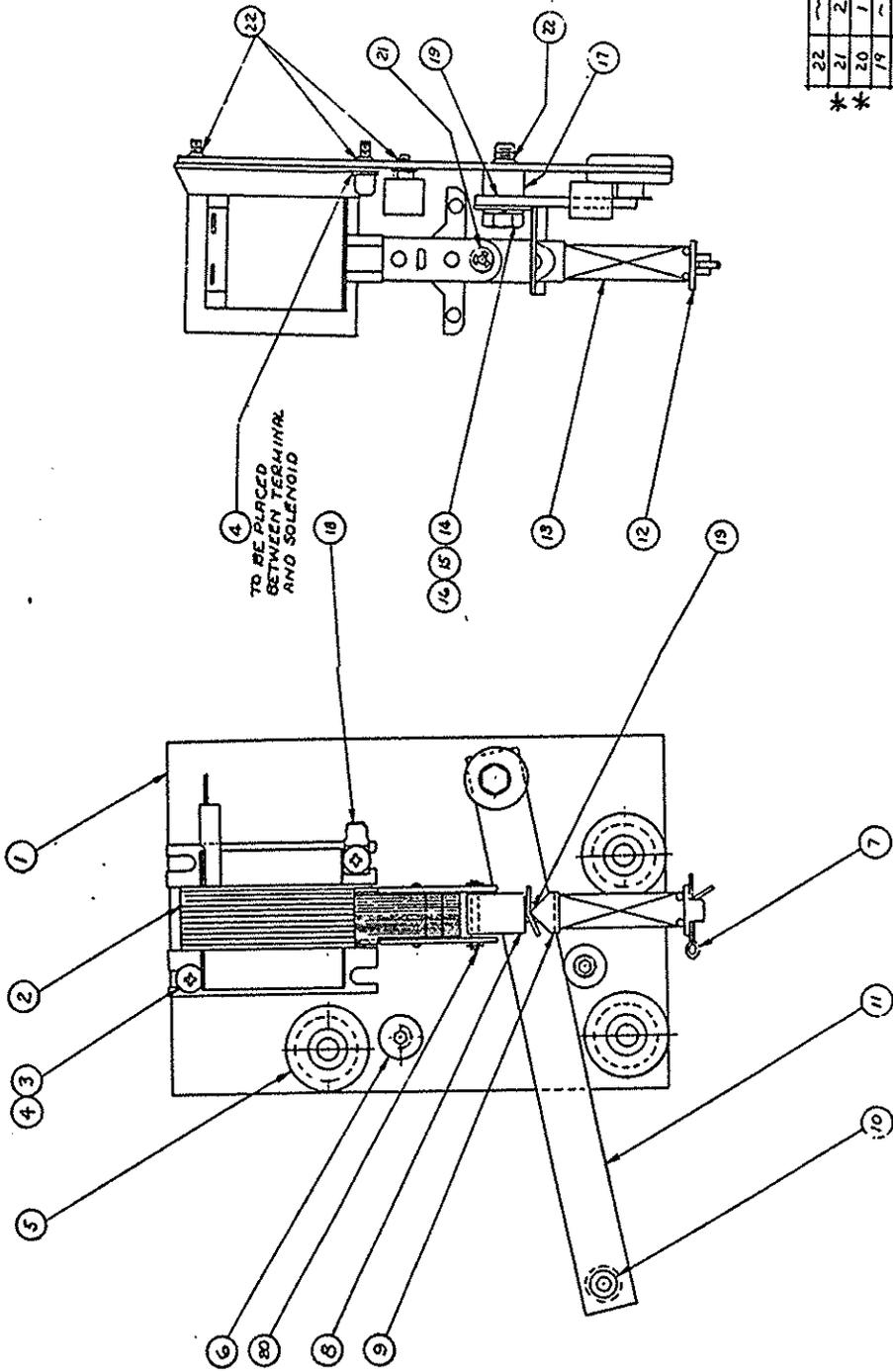


| ITEM | PT. NO. | QTY. | DESCRIPTION |
|------|---------|-------|--------------------------------|
| 22 | 50188 | 1 | LOCTITE |
| * | 21 | 70433 | 2 RETAINER RING |
| * | 20 | 21592 | 1 SOLENOID LINKAGE PIN |
| | 19 | 50305 | LUBRICANT |
| | 18 | 30227 | 1 1/4 QUICK CONNECT TAB |
| | 17 | 10077 | 1 PIVOT BEARING |
| | 16 | 70066 | 1 1/4 FLATWASHER |
| | 15 | 70048 | 1 1/4 LOCKWASHER |
| | 14 | 70263 | 1 1/4-20*3/4 HEX HD. SCREW |
| * | 13 | 70422 | 1 SPRING |
| | 12 | 70043 | 1 FLATWASHER |
| | 11 | 21492 | 1 GATE LIFT ARM |
| | 10 | 50754 | 1 GATE ARM BEARING |
| | 9 | 10081 | 1 GATE LIFT ROD BUSHING |
| * | 8 | 10080 | 1 GATE LIFT ROD |
| * | 7 | 70423 | 1 COTTER PIN |
| * | 6 | 50789 | 2 BUMPER ASSY. |
| | 5 | 50762 | 3 ISOLATOR |
| | 4 | 70121 | 2 NO. 8 LOCKWASHER |
| | 3 | 70171 | 2 8-32*3/4 PHIL. TR. HD. SCREW |
| # | 2 | 31557 | 1 SOLENOID |
| | 1 | 21493 | 1 SOLENOID MTG. PLATE |

* PARTS SUPPLIED WITH REBUILDING KIT.

31551 SOLENOID SUPPLIED WITH ITEMS 20 & 21

SOLENOID ASSY - RIGHT



| ITEM | QTY | PT. NO. | DESCRIPTION |
|------|-----|---------|-------------------------------|
| 22 | ~ | SD188 | LOCKTITE |
| 21 | 2 | 70433 | RETAINER RING |
| 20 | 1 | 21592 | SOLENOID UNWRAP PIN |
| 19 | ~ | 30305 | LUBRICANT |
| 18 | 1 | 30227 | 1/4 QUICK CONNECT TAB |
| 17 | 1 | 10077 | PIVOT BEARING |
| 16 | 1 | 70066 | 1/4 FLAT WASHER |
| 15 | 1 | 70048 | 1/4 LOCK WASHER |
| 14 | 1 | 70263 | 1/4-20 x 3/4 HEX. HD SCR. |
| 13 | 1 | 70422 | SPRING |
| 12 | 1 | 70043 | FLAT WASHER |
| 11 | 1 | 22674 | GATE LIFT ARM |
| 10 | 1 | 50754 | GATE ARM BEARING |
| 9 | 1 | 10081 | GATE LIFT ROD BUSHING |
| 8 | 1 | 10080 | GATE LIFT ROD |
| 7 | 1 | 70423 | COTTER PIN |
| 6 | 2 | 50789 | BUMPER ASSY. |
| 5 | 3 | 50732 | ISOLATOR |
| 4 | 2 | 70121 | NO. 8 LOCKWASHER |
| 3 | 2 | 70171 | 6-32 x 3/8 PHIL. TR. HD. SCR. |
| 2 | 1 | 31551 | SOLENOID |
| 1 | 1 | 22675 | SOLENOID MFG. PLATE |
| ITEM | QTY | PT. NO. | DESCRIPTION |

* PARTS SUPPLIED WITH REBUILDING KIT.

31551 SOLENOID SUPPLIED WITH ITEMS 20 & 21

SOLENOID ASSY- LEFT

REMCOR® PRODUCTS CO.

2-YEAR ICE DISPENSER WARRANTY

REMCOR Products Company warrants to the original purchaser of each new REMCOR sanitary ICE DISPENSER, for a period of 24 months from date of shipment, that all parts shall be free from defects in material and workmanship under normal use and service.

Under this warranty, a defective part (or parts) is to be returned to REMCOR Products Company, 9145 King Street, Franklin Park, Illinois 60131 (Phone 312/671-7140) and shall be limited exclusively to repairing or replacing F.O.B. Factory, such part or parts which it concludes upon examination to be defective under the terms of this warranty. Return of any part disassembled will void warranty on any part. The decision of our Service Department regarding the warranty of parts will be final.

The warranties defined herein shall not apply to any damage or defects created or arising from accident, misapplication, abuse, misuse, neglect, alteration, acts of vandalism, flood, fire, acts of God or any other occurrences beyond the control of REMCOR. Warranty validity also requires that all instructions have been followed and adhered to as provided in the Owner's Manual included with each unit.

REMCOR's warranty responsibility ceases if shipment is not received by you in good order and in accordance with quantity shown on Invoice or Packing Sheet; if you accept shipment from the Transportation Company in damaged condition without having a proper notation made by the Station Agent you do so at your own risk. If cartons are in apparant good order, but upon opening, contents are found to be damaged; call agent or adjuster to view same and have him mark the freight bill relative to such concealed damage. This procedure must be executed within fifteen days after delivery.

Prior to returning any material, (part or unit), a Return of Material Authorization (RMA) must be obtained. To obtain this authorization provide the reason for return, model number, serial number and part number. Either call or write REMCOR's Parts Service Department and an Authorization number and tag will then be issued - this tag must accompany the material returned. No representative, dealer, distributor or any person is authorized to make any other decisions regarding the warranty or liability in accordance with REMCOR's Warranty. Any material that do not have a pre-issued Return Material Authorization number when received will be refused by REMCOR, and returned to the sender (freight collect).

REMCOR Products Company will not honor, or assume any responsibility for any expenses (including labor), incurred in the field for the repair of equipment covered in our Warranty unless authorization has been granted from REMCOR's Service Department prior to work being performed. The request for repair Warranty work will only apply to units shipped from REMCOR within a thirty day time period of request. It will further be at the discretion of REMCOR to decide if said labor will be reimbursed in full, or partial payment. REMCOR Products Company will also control the right to decline payment - all decisions will be based on circumstances prevailing. Charges for a repeat service call on the same unit to rectify the same problem previously corrected shall not be honored. REMCOR Products shall retain the right to select, or recommend another company to complete the necessary repair work.

CAUTION

The inherent nature of ice may cause spillage onto counter or floor areas. The Owner or Operator is cautioned to Maintain these areas in a clean, ice-free condition.