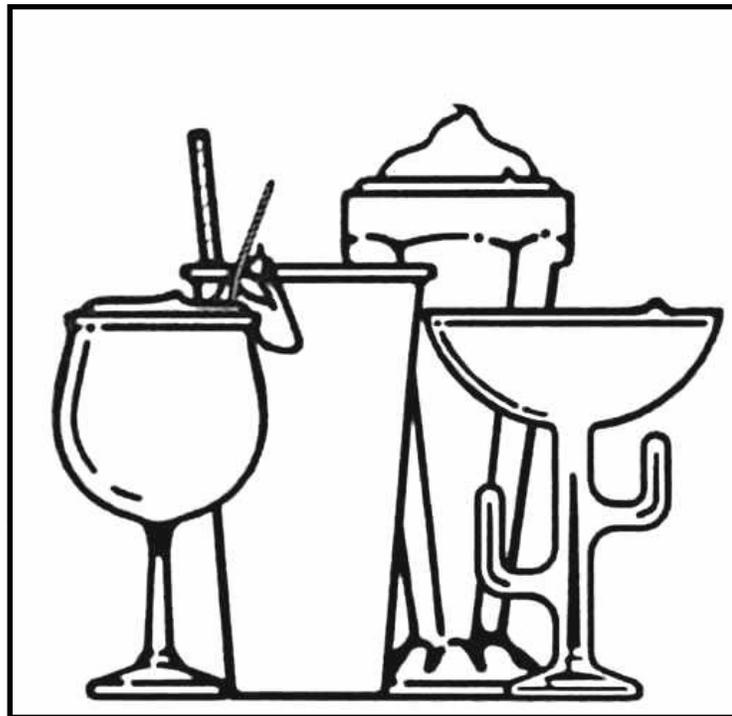


SaniServ®

 An AFFINIS GROUP Company

“Reliability from the team that Serves the Best”



Remote Frozen Beverage Dispensers

Operation Manual

SaniServ P.O. Box 1089 Mooresville, Indiana 46158

Distributor Name: _____

Address: _____

Phone: _____

Date of Installation: _____

Model Number: _____

Serial Number: _____

Installer/Service Technician: _____

SERVICE: Always contact your SaniServ dealer or distributor for service questions or service agency referral. If your SaniServ dealer or distributor cannot satisfy your service requirements, he is authorized to contact the factory for resolution.

Note: It is the Owner's responsibility to maintain the Service Record located on the inside rear cover of this manual. An accurate record of service performed can greatly expedite troubleshooting of problems and significantly reduce repair costs.

PARTS: Always order parts from your SaniServ dealer or distributor. When ordering replacement parts, specify the part numbers, give the description of the part, the model number and the serial number of the machine.

WARRANTY: Remove the Check Test Start (CTS) form and fill it out in its entirety. Return the original (white) copy to SaniServ. The Dealer/Distributor retains the second (yellow) copy and the Owner/Operator retains the third (pink) copy.

The Manufacturer's Limited Warranty is printed on the reverse side of the Owner/Operator copy.

IMPORTANT

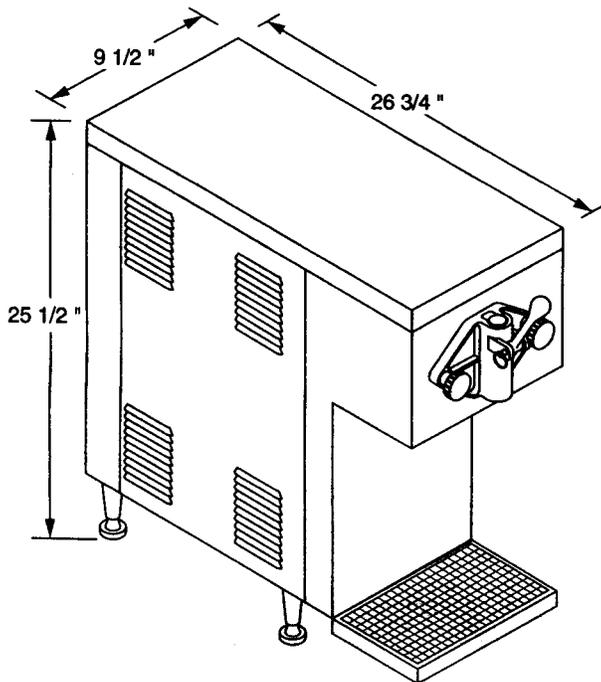
TO VALIDATE THE WARRANTY, THE CTS FORM MUST BE COMPLETED AND RETURNED TO THE FACTORY WITHIN 30 DAYS OF INSTALLATION.

Note: The Check Test Start function must be performed by a qualified technician.

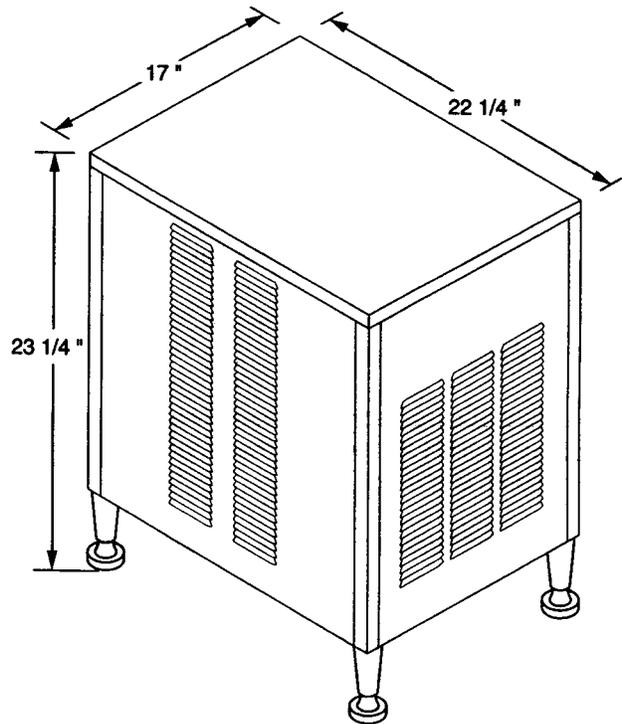
WB700 & CONDENSING UNIT

- 2 HP Compressor/Condensing Unit
- Single or Three Phase (to meet requirements)
- Air or Water-Cooled
- Galvanized Louvered Panels
- Quick Disconnect Refrigeration Installation
- Supplied with 4" Adjustable Legs
- Casters may be ordered as optional equipment

**Remote Dispensing Head
120V-15AMP**



**2 HP Condensing Unit
208/230 V-25 AMP**



Introduction

This manual provides description of the SaniServ WB700 Frozen Beverage Dispenser. It has been prepared to assist in the training of personnel on the proper installation, operation, and maintenance of the dispenser.

The WB700 is functionally a component system having both remote product fill and a remote refrigeration system. a general system.

NOTICE

ALWAYS CHECK THE ELECTRICAL SPECIFICATIONS ON THE DATA PLATE OF THE INDIVIDUAL MACHINE. DATA PLATE SPECIFICATIONS WILL ALWAYS SUPERSEDE THE INFORMATION IN THIS MANUAL.

Specifications

- 2 HP Compressor/Condensing Unit
- Single or three phase (to meet requirements)
- Air or water-cooled
- Galvanized louvered panels
- Quick disconnect refrigeration lines
- Supplied with 4" adjustable legs (dispensing head)
- The condensing unit is supplied with legs. Casters can be ordered at an additional cost.
- Find a location for both the units to achieve ventilation, 6" clearance on 4 sides.
- The condensing unit is designed for indoor installation. Outdoor retrofit kits will be made available if outdoor installation is insisted upon.
- No electrical connections between the dispensing head and the condenser.
- Always clean and sanitize a new unit before operation.
- Periodically inspect the condenser for airflow obstructions. Clean regularly.
- Always start by adjusting the torque adjustment to run the product thin. Then adjust per cycle to achieve the required product consistency.
- Always insulate the refrigeration suction line installed between the units.

Pressure Switch

10 p.s.i. is cut-out when the refrigeration solenoid in the dispensing head closes. A suction pressure of 10 p.s.i. will stop the compressor operation.

30 p.s.i. is cut-on when the refrigeration solenoid in the dispensing opens. A minimum of 30 p.s.i. will resume compressor operation.

The torque switch in the dispensing head opens/closes the refrigeration solenoid per the consistency of the product.

If the autofill probes are not satisfied within a 4-minute period, autofill and compressor operations will cease. The mix fill switch at this time must be turned OFF and then ON to reset the unit and resume operation.

Dimensions

Remote Dispensing Head

Height 25 1/2"
Width 9 1/2"
Depth 26 3/4"
120V-15 Amp Service

2 HP Condensing Unit
Height 23 1/4"
Width 17"
Depth 22 1/4"
208-230V - 25 Amp Service

Installation

1. A 3/8" barbed fitting is available on the bottom frame of the dispensing head for easy autofill installation.
2. Position the dispensing head autofill system and the condensing unit in the appropriate locations.
3. Cord connect as follows:
(a) Dispensing Head -12-3 electrical cord 120V 15 amp service
(b) Condensing Unit -10-3 electrical cord 208-230V 25 amp service.

CAUTION

FAILURE TO PROVIDE FOR PROPER EARTH GROUND ACCORDING TO APPLICABLE ELECTRICAL CODES COULD RESULT IN SERIOUS ELECTRICAL SHOCK.

4. Install refrigeration copper lines from the dispensing head to the condensing unit. The copper tubes are soldered into the supplied quick connect / disconnect fittings, a 3/8" non-insulated copper for the discharge (high side) and 5/8" insulated copper for the low side (suction).
5. A small freon charge is present in both units to assure against moisture contamination. The installed refrigeration lines must be vacuumed.
 - a. Install access valves on each added lines, vacuum, and add a small refrigerant charge before screwing in place.
 - b. Install lines to both units.
6. Install and activate the autofill system to fill and satisfy the probes. The purge button on the faceplate must be depressed to relieve as much air from the system as possible. This is only required during initial filling or after cleaning.
7. Begin adding freon gas to the suction side (low side) of the system. A pressure of 35 psi. must be present before compressor operations can begin. During operation, 10 psi. will shut down the compressor. Adjust cut-in/cut-out pressure switch from pressure lead at the dispense head.
8. When a running pressure is achieved, the system can be fully charged by use of the sightglass. The sight glass is found on the liquid side of the condensing unit. Satisfy the sight glass so that no bubbles are present.
9. Attach refrigeration gauges to the suction access fitting in the dispensing head. **IMPORTANT** - connection to the condensing unit will give you an improper reading. Adjust the expansion valve (found in the dispensing head) to reach a gauge reading of 31 to 33 psi. Again assure that any adjustments to the expansion valve did not form bubbles in the sight glass. Start your pressure at 31 psi. If noise occurs shortly after, the pressure must be adjusted higher. Turn the expansion valve adjustment screw clockwise to increase the pressure and decrease the noise due to ice forming too quickly on the freezing chamber.
10. At this time, any consistency adjustments must be made to produce satisfactory product. The adjustments are made by turning the torque adjustment screw clockwise (thicker) or counterclockwise (thinner). The torque screw is easily located by removing the top cover and looking towards the rear of the dispensing head. A long, straight blade screwdriver is the only required tool to make this adjustment.
11. Cycle the compressor several times to assure that an acceptable product is dispensed each and every time.

Sanitizing

Note: These instructions are presented as an abbreviated guideline. Please consult the SaniServ Frozen Beverage Manual (P/N 106447) for detailed instructions.

DISASSEMBLY AND CLEANING

1. Set the "**FILL**" and "**FREEZE**" switches to the "**OFF**" position (Fig. 1).

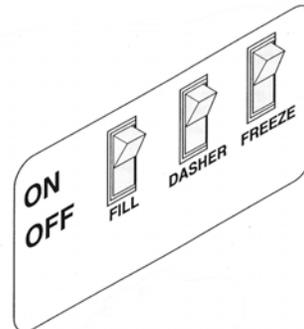


Fig. 1
Control Switch

2. Dispense any remaining product from the front plate, then set the "**DASHER**" switch to the "**OFF**" position.
3. Remove the dispensing head top cover and the mix pan cover (Fig. 2).

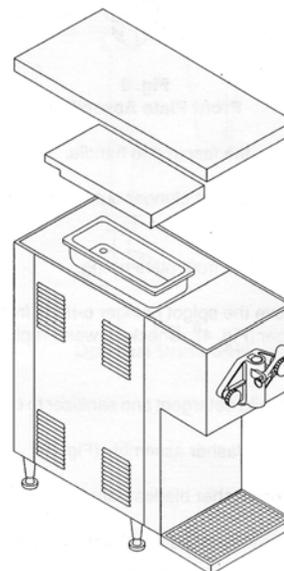


Fig. 2
Mix Pan Removal

4. Fill the mix pan with warm water ensuring the freezing chamber is at least half full.
 - a. Set the "DASHER" switch to the "ON" position.
 - b. Operate in this position for approximately sixty (60) seconds.
 - c. During the sixty (60) second wait, thoroughly clean the mix pan and mix pan lid.
5. Drain the solution by opening the spigot handle, then set the "**DASHER**" switch and all other switches to the "**OFF**" position.

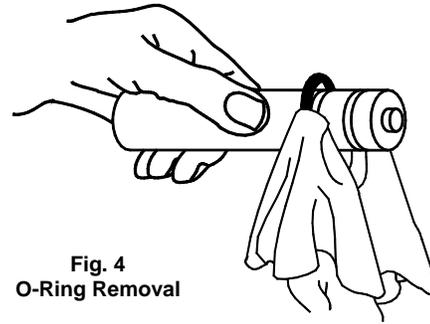


Fig. 4
O-Ring Removal

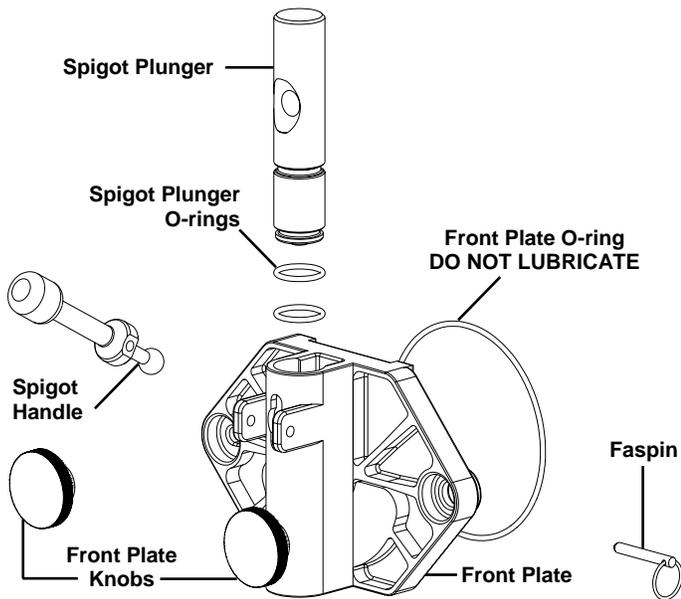


Fig. 3
Front Plate Assembly

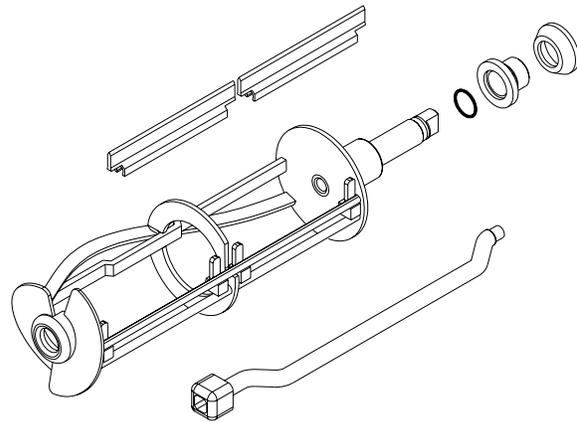


Fig. 5
Dasher Assembly

6. Remove the front plate assembly and disassemble (Fig. 3).
 - a. Remove the faspin and handle.
 - b. Push the spigot plunger out top the top of the front plate.
 - c. Remove the front plate o-ring.
 - d. Remove the spigot plunger o-rings from the spigot plunger (Fig. 4). Check for wear, replace if worn or raked.
 - e. Use a mild detergent and sanitizer to clean all parts.

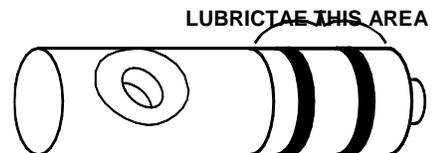
7. Remove the dasher assembly (Fig. 5).
 - a. Remove dasher blades from the dasher.
 - b. Remove the rear seal and stator rod from the dasher.
 - c. Check parts for wear due to lack of lubrication.

8. Remove the drip tray insert and grill.
 - a. Wash with mild detergent and warm water
 - b. Rinse thoroughly and air dry.
9. Check to see that the sensing probes in the mix pan are totally clean.

ASSEMBLY AND LUBRICATION

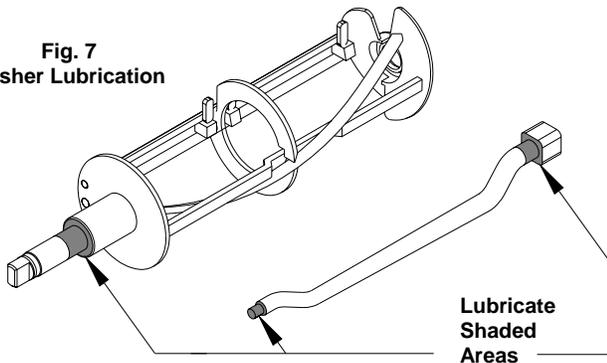
1. Install both o-rings on the spigot plunger.
2. Lubricate the plunger with SaniGel (Fig. 6).

Fig. 6
Spigot Plunger Lubrication



3. Assemble the front plate assembly. **DO NOT LUBRICATE THE LARGE FRONT PLATE O-RING** (Fig. 3).
4. Lubricate the dasher assembly as shown (Fig. 7). **DO NOT LUBRICATE THE REAR OF THE SEAL (RED RUBBER PORTION)**.

Fig. 7
Dasher Lubrication



5. Install the rear seal with the **RED RUBBER** portion toward **the REAR** of the dasher (Fig. 5).
6. Install the scraper blades on the dasher assembly. **ROTATE THE BLADES** at each cleaning.
7. Lubricate the stator rod (Fig. 7) and slide it into the dasher with the end into the hole at the rear.
8. Insert the dasher assembly into the freezing cylinder as far as possible. Blades must be facing in a **COUNTERCLOCKWISE** direction. Rotate the dasher until it engages in the groove at the rear of the freezing cylinder.
9. Install the assembled front plate by tightening the knobs evenly.
10. Install the drip tray and grill.

SANITIZING THE AUTOFILL SYSTEM

1. Pour two to three (2-3) gallons of sanitizing solution into the mix pan. Mix according to sanitizing instructions.
2. Use a sanitary brush to apply solution to the sides of the mix pan and float tube.
3. Set the "**DASHER**" switch to "**ON**". Let the machine agitate for approximately two (2) minutes.
4. Set the "**DASHER**" switch to "**OFF**" and drain the solution. **DO NOT RINSE OUT THE MACHINE.**

5. Chase the remaining sanitizing solution from the unit by adding one (1) gallon of mix into the mix pan, then dispense approximately one (1) pint to purge the system of any remaining sanitizer.
6. Fill the mix pan with the balance of the mix. Hold in the vent button on the front plate until product begins to flow from the valve then release. Note: Air must be purged from the system.
7. Set all three switches to the "**ON**" position to

DRINK SPINNER CLEANING

1. Fill a paper cup or stainless shake cup with warm soapy water and submerge the spinner in the solution.
2. With High/Low Speed Switch in the "LOW" position (Fig. 8), set the On/Off switch to "ON"
3. Stop the spinner and use a sanitary brush to clean any small areas around the agitator parts.
4. Rinse with clean water.
5. Sanitize with a suitable sanitizing solution.

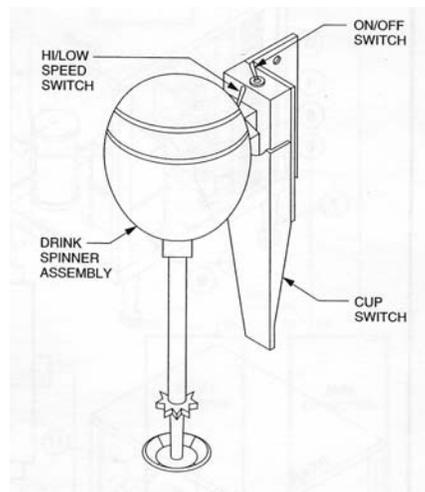
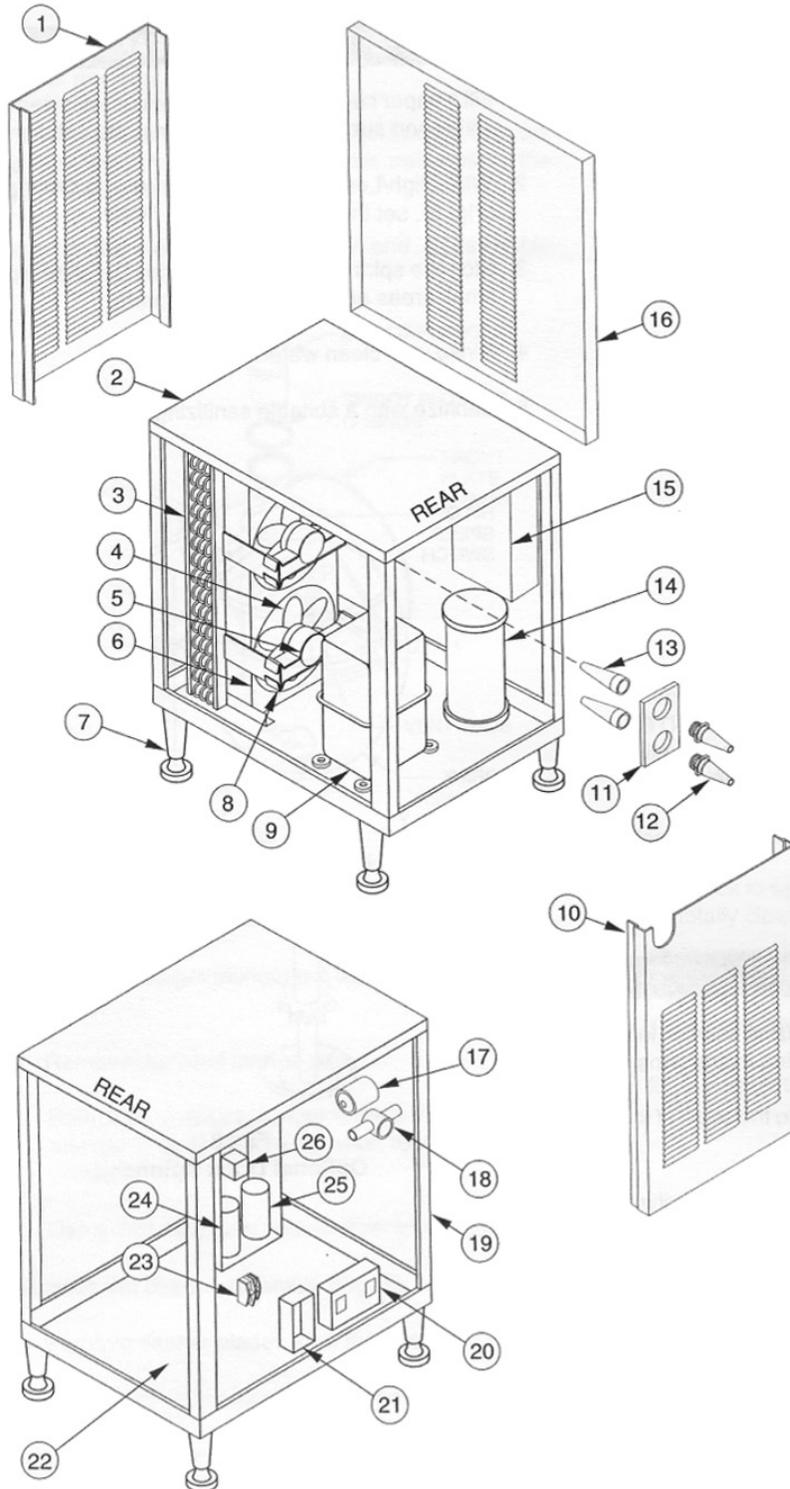


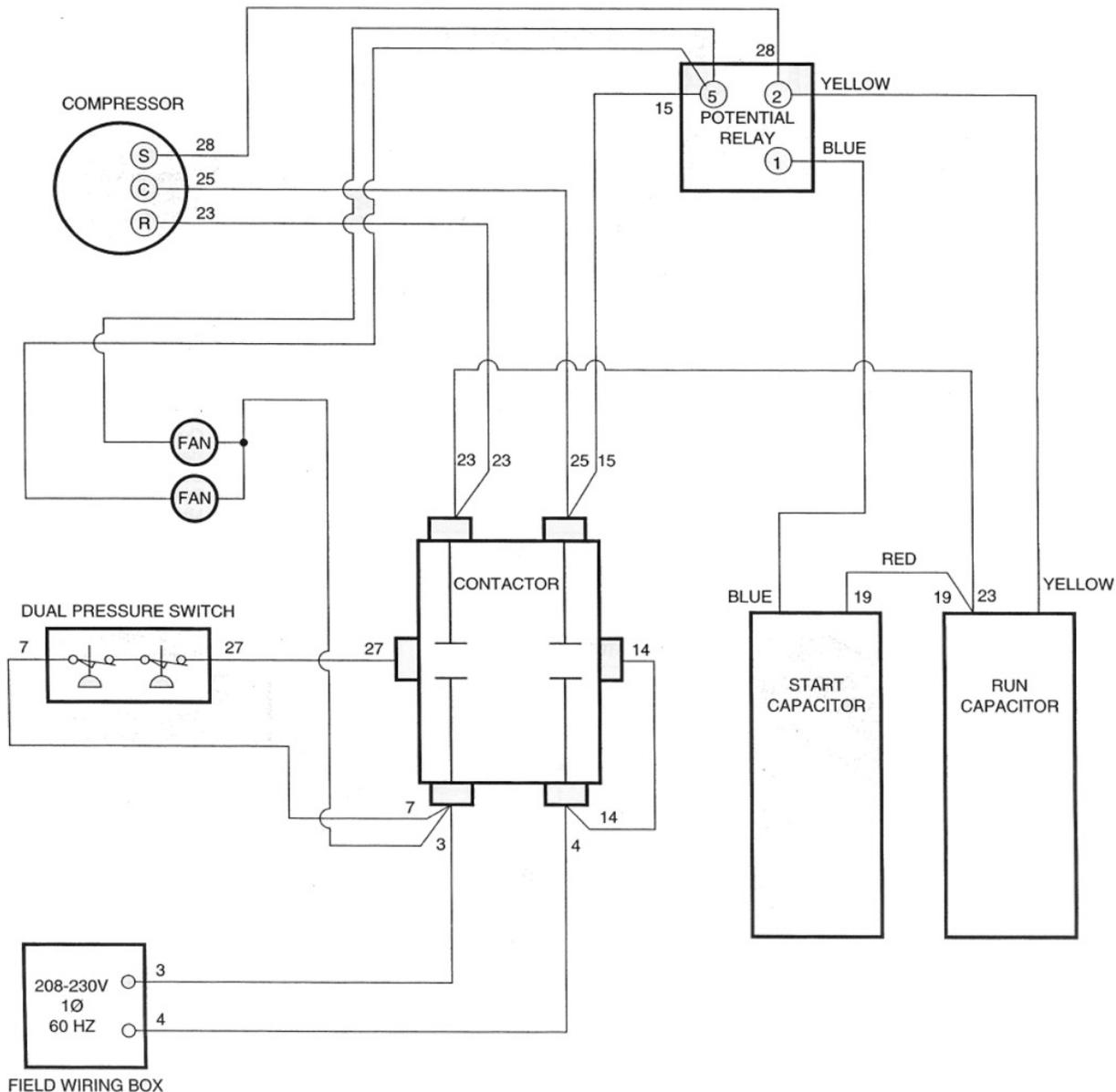
Fig. 8
Optional Drink Spinner

Remote Condenser Exploded View

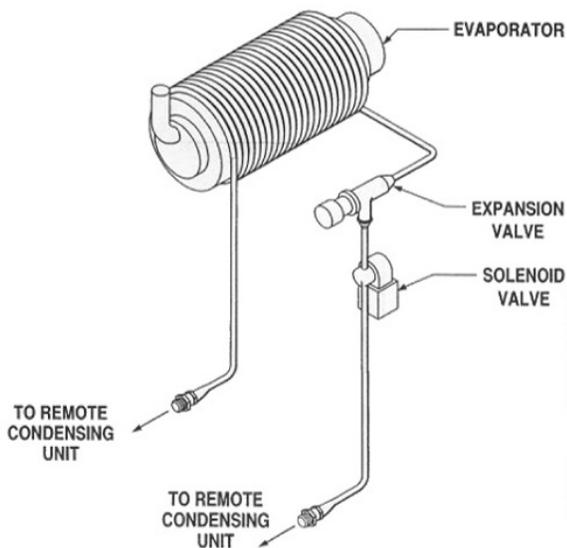
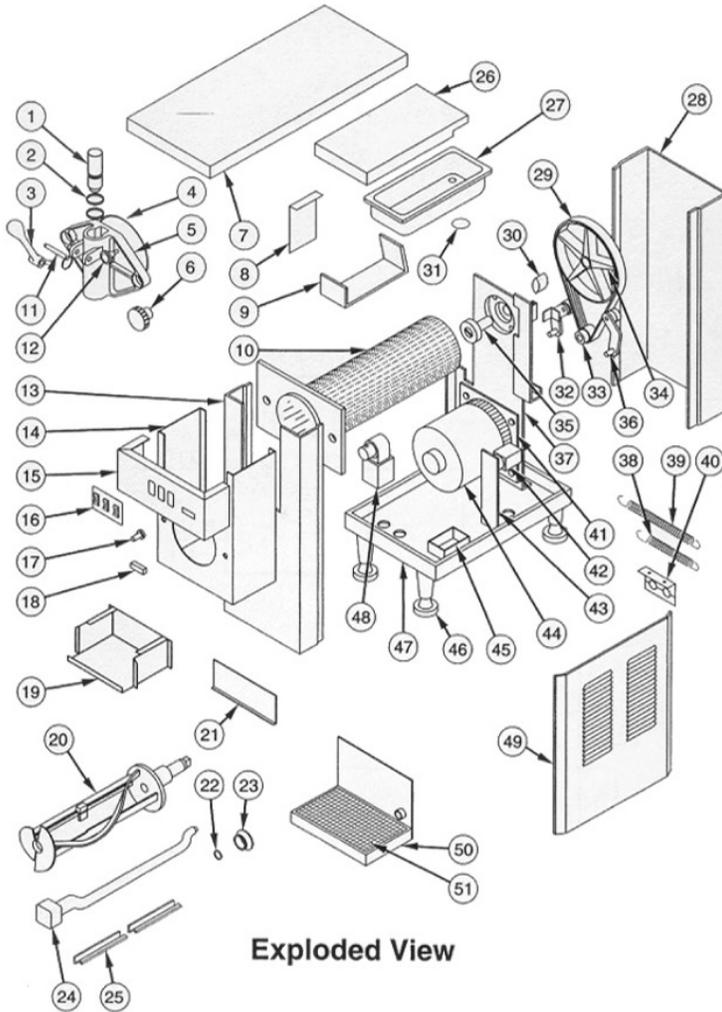


- 1. Front Panel 24109
- 2. Top Panel 24110
- 3. Condenser 23240
- 4. Fan Blade (2) 23239
- 5. Fan Motor (2) 23237
- 6. Shroud Assembly 23254
- 7. Legs (4) 23207
- 8. Bracket, Fan Motors (2) . 23236
- 9. 2 HP Compressor
(R-404A) 23999
- 10. Back Panel 24111
- 11. Mounting Bracket 23271
- 12. 3/8" Female Connector .. 23215
5/8" Female Connector .. 23216
Plug, Refrigeration
Connectors (2) 23219
- 13. 3/8" Male Connector 23213
5/8" Male Connector 23214
Mounting Flange (2) 23217
Cap, Refrigeration
Connectors (2) 23218
- 14. Receiver 24005
- 15. Wiring Box Assembly 23192
Cover, Wiring Box 23294
- 16. Side Panel (2) 24112
- 17. Filter/Drier 23228
- 18. Sightglass 24003
- 19. Frame Assembly 23256
- 20. Dual Pressure Switch 23292
- 21. Cover, Field Wiring Box . 23200
- 22. Base Plate 24113
- 23. Contactor 24114
- 24. Run Capacitor
(R-404A) 24002
- 25. Start Capacitor
(R-404A) 24001
- 26. Start Relay
(R-404A) 24000

Remote Condenser Wiring Diagram



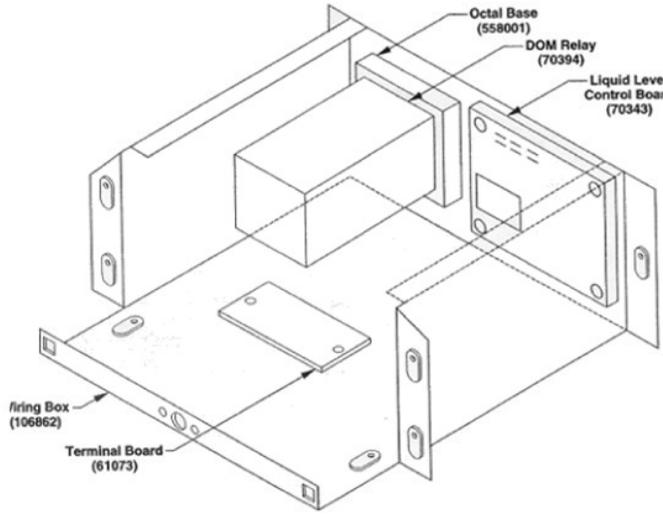
MODEL WB700



REFRIGERATION PARTS

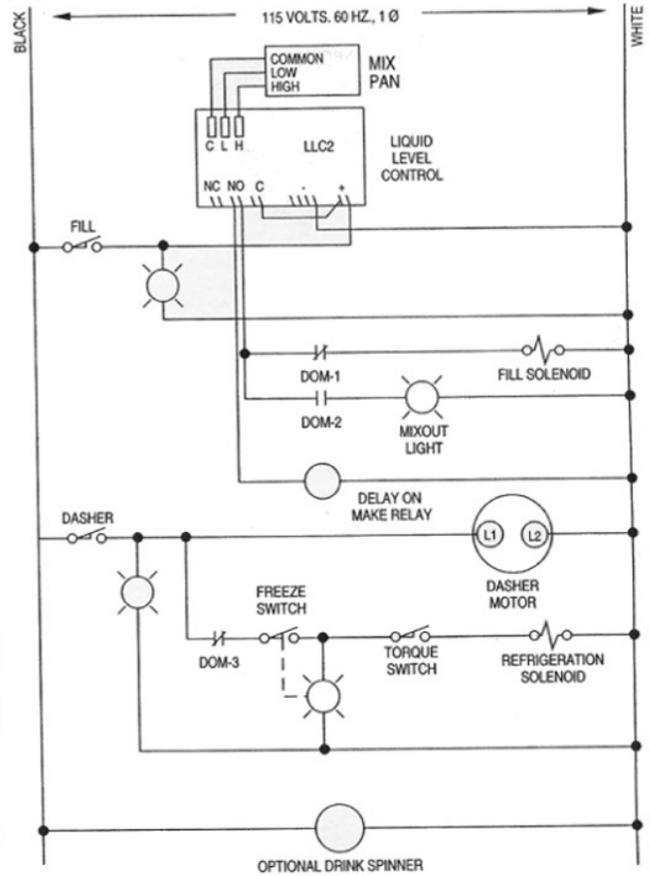
Expansion Valve	71042
Quick Connect 3/8 M	65637
Quick Connect 5/8 M	65638
Quick Connect 3/8 F	65639
Quick Connect 5/8 F	65640
Mounting Flange	65641
Caps (2)	65642
Plugs (2)	65643
Sight Glass	71037
Solenoid Coil	71034
Solenoid Valve	71041

1. Spigot Plunger	105503
2. O-Rings (2)	58923
3. Spigot Handle	65632-01
4. Front Plate O-Ring	58911
5. Front Plate	105610
6. Knobs (2)	64065
7. Top Cover	106870
8. A.F. Wire Barrier	107068
9. Pan Support Brkt.	108207
10. Evaporator Assy.	105600
Drain Tube Assy.	105470
Drip Pan Inlet Tube	104950
Drain Tube Hanger	105369
11. Faspin	64255
12. Vent Knob	64420
Vent Knob Spring	64508
Plunger Valve	105612
Valve Screw	60335
Vent Plunger O-Ring	58952
13. Front Panel	106865
14. Upper Front Panel	106866
Bottom Upper	
Front Panel	106867
Logo	16027-01
15. Wiring Box Cover	106875
16. Switch (3)	70276
Switch Decal	9584
17. Front Plate Studs (2)	7107
18. Mixout Light	61395
19. Wiring Box Assy.	15671
Wiring Box Lid	106873
20. Dasher	3113-01
21. Bottom	
Wiring Box Cover	106871
22. Dasher O-Ring	58917
23. Rear Seal	104916
24. Stator Rod	65633
25. Scraper Blades (2)	104984
26. Mix Pan Cover	108208
27. Mix Pan Assy.	108210
Autofill Probe (2)	107364
Inner Insulator (2)	107365
Outer Insulator (2)	107366
28. Back Panel	106868
29. Belt	58885
30. Torque Idler Cushion ..	104648
31. Mix Pan O-Ring (2)	58947
32. Torque Idler	104973
Torque Switch	70008
Torque Switch Cover	70068
Torque Switch Barrier ..	107066
33. Drive Pulley	10208
34. Driven Pulley	10614
35. Bearing & Shaft	2858
36. Belt Idler	103249
37. Evaporator Support	105596
Torque Adj. Assy.	105598
Torque Adj. Pulley	105613
38. Torque Spring	64515
Torque Cable Assy.	105609
39. Idler Spring	64515
40. Connector Mounting	
Bracket	107065
41. Motor Mounting Gasket	102427
Motor Support Saddle ..	104267
42. Product Solenoid Valve .	65682
43. Solenoid Mounting	
Bracket	105865-01
44. Dasher Motor	75272
45. Field Wiring Box	70037
Wiring Box Cover	61041
46. Legs (4)	64135
47. LK700 Base	105615-01
48. Ref. Solenoid Coil	71078
Ref. Solenoid Valve	71079
49. Side Panels (2)	106869
50. Drip Tray	106230
Drip Tray Support	105622
51. Drip Tray Insert	105623

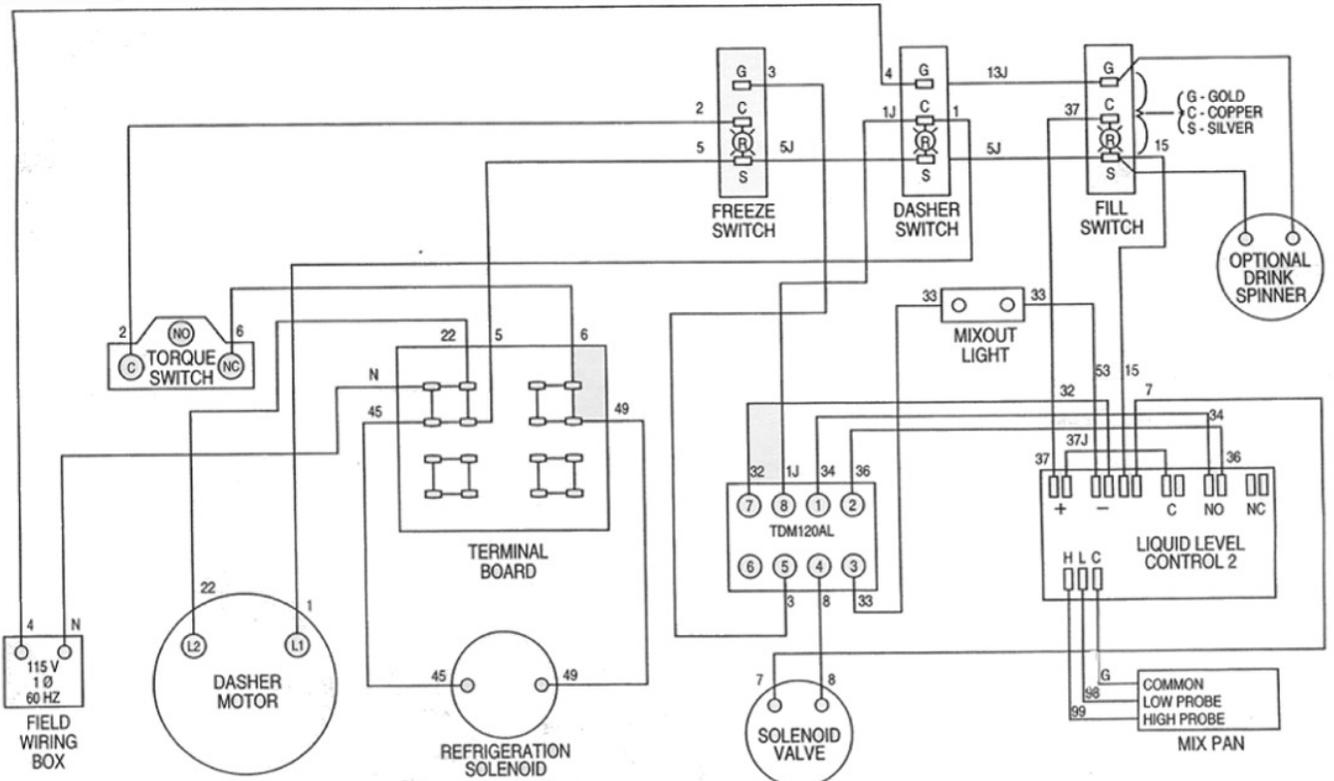


- WIRING BOX PARTS**
- Auto/Cleanout Switch (3) 70298
 - DOM Relay 70394
 - Liquid Level Control 70343
 - Relay Base 558001
 - Terminal Board 61073

Wiring Box Assembly



Ladder Diagram



Wiring Diagram

“Reliability from the team that Serves the Best”

Technical Publications

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Mooresville Indiana

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