COUNTERTOP ICEMAKER
IMD 50–5 / TC60

Installation Manual

IMPORTANT:

TO THE INSTALLER.

It is the responsibility of the Installer to ensure that the water supply to the dispensing equipment is provided with protection against backflow by an air gap as defined in ANSI/ASME A112.1.2-1979; or an approved vacuum breaker or other such method as proved effective by test.

Water pipe connections and fixtures directly connected to a potable water supply shall be sized, installed, and maintained according to Federal, State, and Local Codes.

CE

Part No. 630460067
July 1998
Revision B

THIS DOCUMENT CONTAINS IMPORTANT INFORMATION
This Manual must be read and understood before installing or operating this equipment

PRINTED IN U.S.A

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SAFETY INFORMATION

Recognize Safety Information

This is the safety-alert symbol. When you see this symbol on our machine or in this manual, be alert to the potentially of personal injury.

Follow recommended precautions and safe operating practices.

Understand Signal Words

A signal word - ***DANGER, WARNING,*** *OR* ***CAUTION*** is used with the safety-alert symbol. ***DANGER*** identifies the most serious hazards.

Safety signs with signal word ***DANGER*** or ***WARNING*** are typically near specific hazards.

General precautions are listed on ***CAUTION*** safety signs. ***CAUTION*** also calls attention to safety messages in this manual.

Follow Safety Instructions

Carefully read all safety messages in this manual and on your machine safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs. Learn how to operate the machine and how to use the controls properly. Do not let anyone operate the machine without instructions. Keep your machine in proper working condition. Unauthorized modifications to the machine may impair function and/or safety and affect the machine life.

CAUTION: Unit requires a separate electrical line. See Manual for proper fuse size.

WARNING: There Must Be Adequate Clearance Around Ice Maker. Allow Minimum 6” Air Intake and 4” For Air Exhaust on all sides and open to the front.

NOTICE Unit must be installed per local plumbing and electrical codes. See Installation Manual for unit requirements. Failure to do so may cause damage to unit, which would void the warranty.

NOTICE Using Any Parts Other Than Genuine Factory Manufactured Parts Relieves the Manufacturer of all Liability.

NOTICE Manufacturer Reserves The Right To Change Specifications At Any Time.

SPECIFICATION CHART

Models	Condensing Unit	VAC	Hz	Ph	Comp RLA	Fan Amps	Grmtr Amps	Refrigerant Oz.	Refrigerant Type	Circuit Fuse
IMD50-5A	Air Cooled	115	60	1	1.10	10.2	1.65	3.5	R134a	15
IMD52–5A	Air Cooled	220/240	50	1	.75	6.8	1.3	3.5	R134a	15

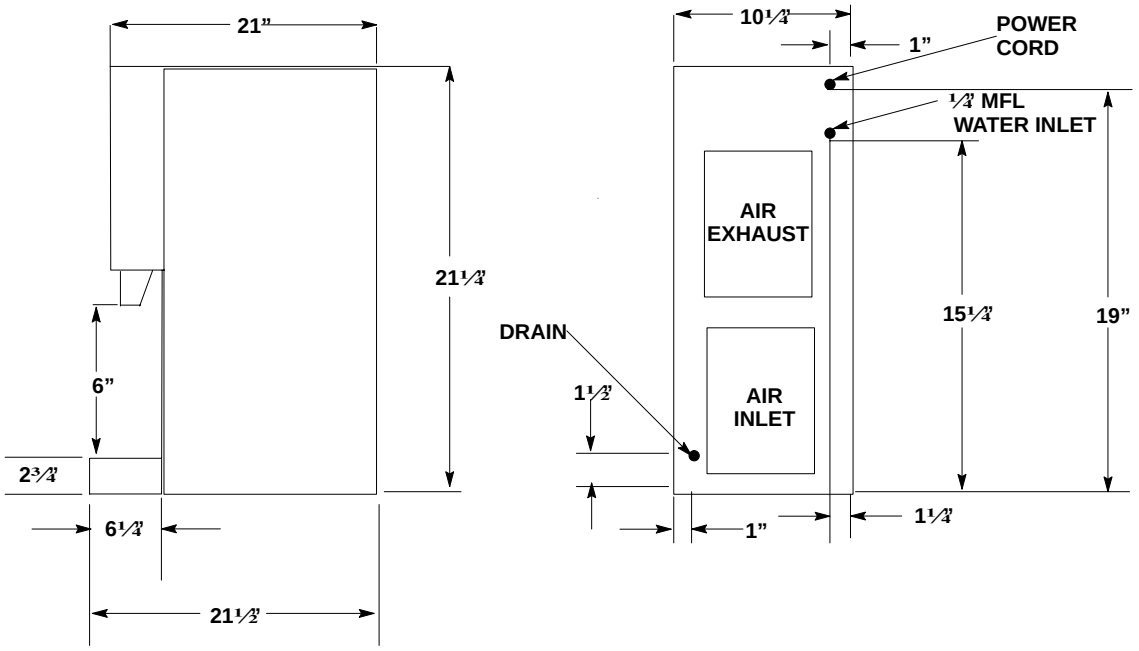


FIGURE 1. DIMENSION DRAWING IMD 50–5

INSTALLATION INSTRUCTIONS

A.. REMOVE ICEMAKER FROM CARTON:

1. Keep unit in the upright position, remove carton and pallet from unit and inspect unit for damage. Upon inspection of unit, if any damage is found, file a claim with carrier immediately.

2. Locate Startup Card either on outside of container or on plastic liner. Fill in proper information and send one copy to factory, and other copy to Distributor. Postage is prepaid.

B.. CABINET REMOVAL

1. Locate and remove the (2) screws from under the front cover. Lift cover forward and up to remove.

2. To remove top cover remove (4) screws from front and rear and lift up.

3. Remove drain pan by sliding it forward.

4. Remove side panels by removing (4) screws from each side.

5. Remove the front splash panel by removing (2) screws then tilt forward and remove.

C.. PREPARATION OF INSTALLATION SITE

1. The refrigeration system on air cooled units requires airflow, so a well ventilated area should be chosen. A minimum of (6) inches must be maintained, free of any obstruction, for air intake. A minimum of (4) inches clearance is required for air exhaust.

D.. WATER INLET HOOK–UP:

1. **Water Inlet** – Fitting is a 1/4” SAE male flare located at the rear of the unit. Connect water supply with a 1/4”or larger copper or flexible tubing.

2. **Water Pressure** – Unless otherwise specified, the unit is designed to operate on water pressures between 10 P.S.I. (.69 Bars) and 90 P.S.I. (6.207 Bars) (NOTE: for pressures above 90 P.S.I. (6.207 Bars) a regulator must be installed).

NOTE: Unit must be installed per local plumbing code.

E.. ELECTRICAL SUPPLY

1. **Fused Line** – Should be a dedicated circuit checked and sized according to electrical rating shown on unit nameplate.

2. **Supply Cord** – If the supply cord is damaged, it must be replaced with a genuine Factory Manufactured cord.

NOTE: Unit must be installed per local electrical code.

F.. DRAIN CONNECTION

1. Drain line is a 3/8” I.D. flexible tube located at the rear of the unit. Extend this to proper drain.

NOTE: Unit must be installed per local plumbing code, BOCA.

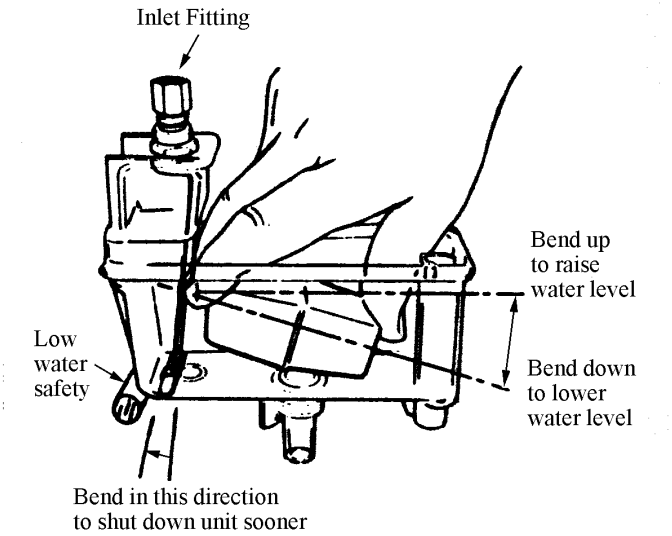


FIGURE 2. FLOAT ASSEMBLY

NOTE: Steps 2 and 3 to be completed only after all start up checks and adjustments are performed.

2. Replace side panels tightening all (8) screws.

3. Replace top panel and front cover and secure with (6) screws.

G.. AUGER ENGAGEMENT

Be certain that auger is fully engaged to lower drive and that extruding head is fully engaged to evaporator.

H.. INITIAL START UP, CHECKS & ADJUSTMENT INSTRUCTIONS

NOTE: Do not start unit before completing Installation steps A–G.

Turn on water supply and connect power to mainline.

NOTE: If unit will not start be sure water reservoir is full. Low water safety control must be properly adjusted to start and shut down unit. If water level drops below bottom of reservoir, unit must shut down. Adjustment is made by moving magnet up or down.

Water Level – If necessary adjust Float by bending float arm up or down as needed, push float assembly down until unit stops running. Release float and unit will restart. Keep water in reservoir at level line while unit is in operation. See Figure 1.

Low Water Safety Control – Adjust magnet by bending magnet arm as shown in figure 1 to shut down unit if the water level drops below the line on the side of the reservoir.

Bin Control – Remove two screws from top of bin cover and lift cover so bin control plate can be manually lifted until unit shuts down. Release plate and unit will restart.

Dispense Switch and Mechanism – By depressing the dispense switch, the dispense mechanism door on the storage bin will open, and agitator will rotate counterclockwise.

GUIDE TO SERVICE

ICEMAKER CLEANING AND SANITIZING PROCEDURES

Do not use any of the ice made during cleaning operations.

Clean and sanitize ice storage area when cleaning icemaker.

1. Disconnect power.
2. Shut off water supply.
3. Remove panels.
4. Remove ice from storage bin.
5. Mix approved cleaner (1/2 gallons as directed). **Recommended cleaner:** Calgon Corp. of Virginia Chemicals, ice machine cleaner. **Mixture:** 3-1/3 ounces per gallon of water. Do not use nickel safe cleaners.
6. Add cleaner solution to water level control (float reservoir).
7. Reinstall panels and run machine for 15 minutes.
8. Repeat steps 1 thru 8 until cleaning solution has been used.
9. Turn on water supply and run machine for 15 minutes.
10. Disconnect machine and discard all ice.
11. Sanitize using household bleach (50 ppm chlorine). Mixture: 1 fluid ounce per gallon room temperature water. 2 minute exposure time.
12. Sanitize pre-cleaned inside areas of storage bin liner, door, as well as exposed surfaces of the evaporator assembly and bin shutoff assembly with sanitizing solution and allow to air dry.

MAINTENANCE

Preventive maintenance can increase the trouble free life of your icemaker. Many authorized service agencies offer service contracts for your icemaker. Contact your local distributor for further information.

MONTHLY

1. Clean the condenser. Use a brush, vacuum cleaner or blow from inside with air or CO_2 gas. If unit is provided with and air filter, clean or replace.
2. Inspect water feed reservoir at lease once a month until a definite pattern for cleaning and sanitizing has been established.

QUARTERLY

This is the maximum period of time between cleaning and sanitizing the icemaker. In addition to recommended monthly procedure, and if a more frequent cleaning and sanitizing pattern has not been established, unit must be cleaned and sanitized.

SEMI–ANNUALLY

Semi-Annually in addition to all previously established service procedures perform the following:

1. Check for water leaks in tube connections, water fittings and lower icemaker water seal.

2. Check drain tubes for clogs and “aged” tubes. Replace if tubes are stained or brittle.
3. Check for signs of condensation. Clean where necessary and replace insulation properly.
4. Check safety circuits for proper operation.
5. Check unit for abnormal noise. Tighten machine and cabinet screws, if necessary.
6. Check white upper bearings on auger assembly. If bearings are less than 1/16” thick, replace. See Figure 3

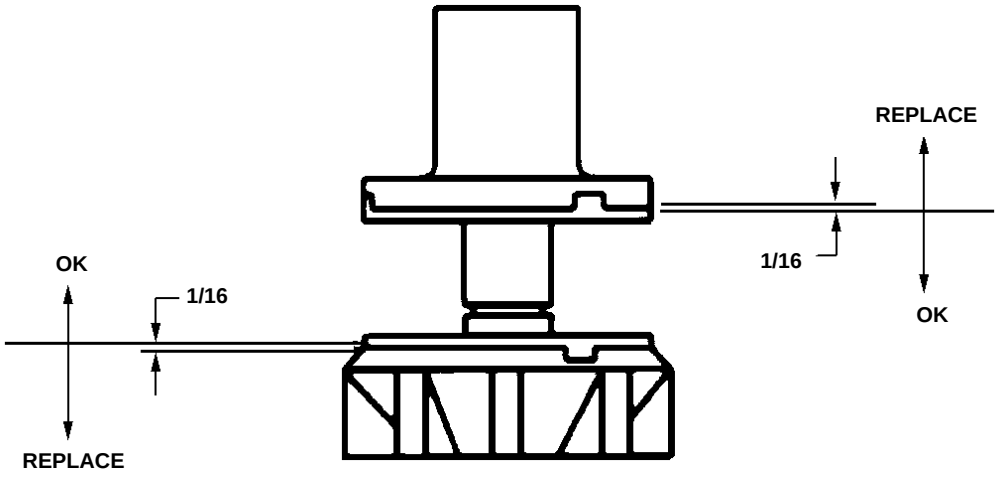


FIGURE 3. UPPER BEARING AND AUGER ASSEMBLY

NOTE: preventive maintenance can increase the trouble–free life of your ice maker. Failure to perform preventive maintenance could void your equipment warranty

WATER LEVEL CONTROL

HOW WATER LEVEL CONTROL WORKS

When water is introduced through the inlet fitting the float rises. the float pushes against a lever which in turn forces the poppet assembly against the inlet fitting valve seat which seals the water off, (See Figure 2). Before the water inlet is sealed the safety switch is operated. In the event of a water failure the float would drop down and operate the safety switch to shut off the machine.

If water level control will not shut off and seal at level as indicated, be sure inlet pressure does not exceed recommended factory operating range.

Under ordinary circumstances adjustment should not be necessary providing it was properly adjusted when unit was installed or relocated. If, however, the control becomes inoperative, repair or replace. See Start-Up Adjustment, page 4 .

PURPOSE OF WATER LEVEL CONTROL

1. To automatically maintain proper water level in the evaporator when unit is running and making ice.
2. A safety switch is operated in the event of an interruption in water supply. The switch shuts off the electrical power to the icemaker and its refrigeration system. Switch will reset as soon as cause of water failure has been corrected and proper water level in icemaker has again been reached.
3. The transparent bowl not only provides a visible check of water level, but also is a good guide to the internal conditions which exist within the icemaker assembly itself. (See Cleaning Procedure.)

TO REPLACE WATER LEVEL CONTROL

1. Shut off the water supply. Shut off the main power switch or unplug the ice dispenser from electrical outlet.
2. Remove the flexible tubing from bottom of water level control and drain water from water level control and evaporator.
3. Remove flexible tubing at bottom of water level bowl connected to the overflow.
4. Hold water inlet fitting with proper tool to prevent it from rotating when disconnecting the water inlet.
5. Remove wing nut holding water control to its mounting bracket. Control can be removed by lifting straight up.

TO REPLACE WATER LEVEL SAFETY SWITCH

1. Shut off main power switch or unplug the ice dispenser from electrical outlet.
2. Unplug molex connector connecting switch to electrical box.
3. Remove the 2 screws anchoring the water level safety switch to the bottom of the water level control mounting bracket.

ICE LEVEL CONTROL

The ice level control assembly is secured to the top of the ice storage container cover. The cover is secured to the storage container with two screws. The level control switch is operated by a plate assembly located beneath the diaphragm. When the plate assembly is down due to lack of ice in storage container, electrical impulse is sent to compressor, starting the ice making cycle. As ice level increases in storage container, the plate assembly is pushed up. When storage container is full, it de–actuates the switch, stopping the compressor and ice making cycle.

The operating positions of the switch are fixed, no adjustments are necessary. If switch replacement becomes necessary, simply disconnect cable at connector, remove wires from switch.

GEAR MOTOR

The gear motor is equipped with a manual reset overload located on the side of the gear motor. The overload is in series with the bin switch. In the event of a mechanical bind of the transmission or an overload condition in the evaporator the gear motor overload will open and shut down the ice maker.

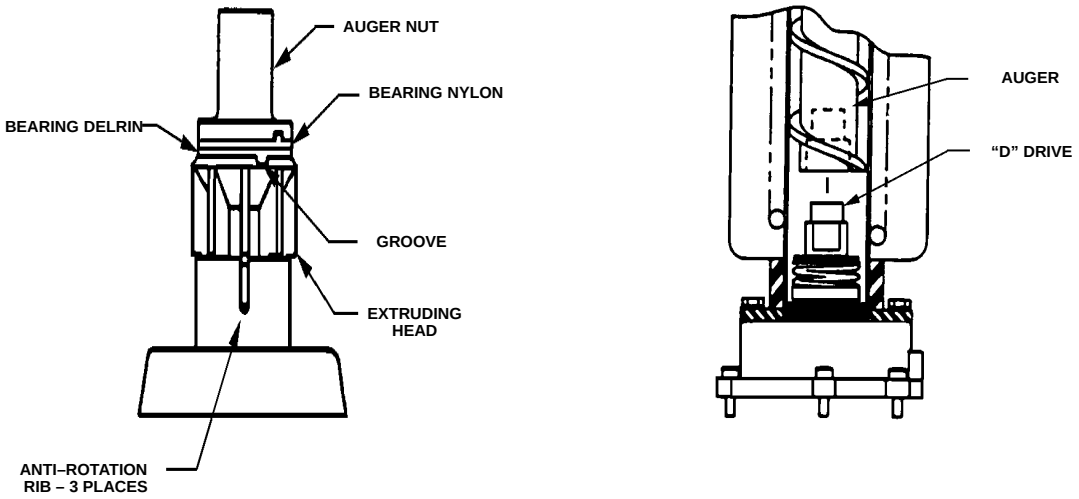


FIGURE 4. AUGER AND EXTRUDING HEAD REMOVAL

SHAFT SEAL INSTALLATION AND REPLACEMENT (see figure 5)

1. Place shaft seal locator seat over gear motor output shaft, embossed side down, and push down until shaft seal seat rests flush on top of gear motor.

2. Place rubber coated ceramic seal (important: ceramic face up) over output shaft and push down until seal rests on top of the shaft seal seat. (Lubricate rubber on ceramic seal with [#06195] rubber lubricant.)

3. Place shaft seal with carbon face down(spring up) over output shaft and push (gently) downward until seal rests on carbon face of the output shaft seal.

4. Push down on the washer compressing the spring on the output shaft seal. While holding the seals (down) in place slide the E–ring into the groove on the output shaft.

AUGER & EXTRUDING HEAD REMOVAL

1. Disconnect unit from power supply.

2. Remove storage container cover and put aside.

3. Turn off water supply to icemaker.

4. After ice has melted from head take hold of the auger nut and lift straight up to disengage from icemaker.

5. When replacing the auger assembly, make certain that both the auger engages the output shaft drive and the extruding head ribs engage the evaporator tube. See Figures 4.

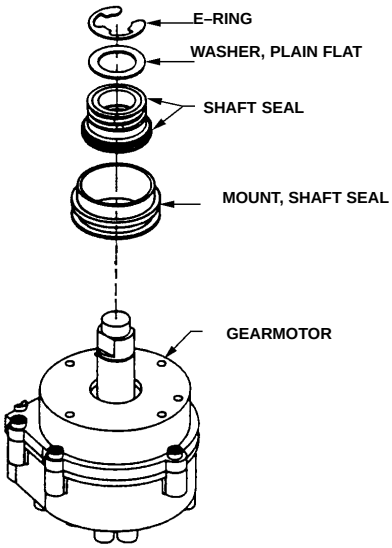


FIGURE 5. SHAFT SEAL

INSTALLATION AND SHAFT SEAL REPLACEMENT (SEE FIGURE 5.)

1. Place shaft seal locator seat over gear motor output shaft, embossed side down, and push down until shaft seal seat rests flush on top of gear motor.
2. Place rubber coated ceramic seal (important: ceramic face up) over output shaft and push down until seal rests on top of the shaft seal seat. (Lubricate rubber on ceramic seal with [#06195] rubber lubricant.)
3. Place shaft seal with carbon face down(spring up) over output shaft and push (gently) downward until seal rests on carbon face of the output shaft seal.
4. Place flat washer over output shaft and let rest on the output shaft seal. Push down on the washer compressing the spring on the output shaft seal. While holding the seals (down) in place slide the E–ring into the groove on the output shaft.

UPPER NUT AND BEARINGS

The upper bearings located on top of the auger is used to absorb the force between the auger and extruding head.

The bearings are 3/32” thick. When they wear below 1/16” they should be replaced. Bearings to be inspected for wear during quarterly maintenance. See Figure 3.

TO REPLACE BEARINGS

1. Dispense all ice from unit.
2. Disconnect unit from electrical power.
3. Remove panels.
4. Unplug Dispense Clutch and Ice Level Switch.
5. Remove two screws holding dispense cover in place.
6. Remove dispense cover assembly.
7. Use a pliers on auger nut connected to bearing and turn and turn counterclockwise to remove assembly.

8. Remove worn bearings. Replace with new bearings and then reinstall assembly.

NOTE: If auger turns with nut, remove cover on top of gear motor stator and hold rotor while loosening nut.

9. Reconnect power to icemaker.

TROUBLESHOOTING COMPRESSOR

Basically the compressor problems can be narrowed down to three areas of checkout–

1. **THE COMPRESSOR WILL NOT RUN**

   No voltage to the compressor terminals – check circuit.

   Low voltage – below 90% of nameplate rated voltage.

   Problems in the compressor electrical circuit. See Electrical Checkout instructions.

2. **THE COMPRESSOR STARTS BUT TRIPS REPEATEDLY ON THE OVERLOAD PROTECTOR**

   Check for proper fan operation and clean condenser.

   Check the compressor suction and discharge pressures.

   Voltage – The voltage should be within 10% of the rated nameplate voltage.

   High compressor amperage draw, it should never exceed 120% of the rated nameplate amperage. See Electrical Checkout Instructions.

ELECTRICAL CHECKOUT

1. Be sure the unit is disconnected from the power source. Remove the compressor electrical box cover. Check for obvious damage and loose wires.
2. Disconnect the fan motor leads. Since capacitors store energy, short the capacitor with a screwdriver. This will prevent shocks.
3. Disconnect the compressor terminal wires.

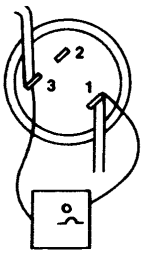


FIGURE 6. OVERLOAD CHECK

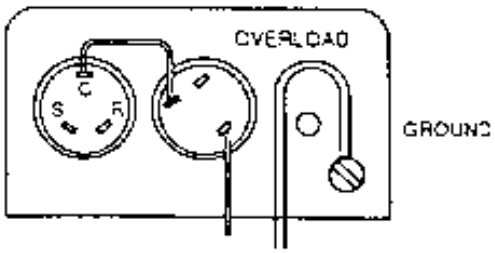


FIGURE 7. COMPRESSOR CHECK

OVERLOAD CHECK – FIGURE 6.

4. Using a volt–ohm meter check the continuity across the overload, contacts #1 & #3. If none, wait for unit to cool down and try again. If still no continuity, the overload protector is defective and should be replaced.

COMPRESSOR CHECK – FIGURE 7.

The resistance readings on the windings will be between 0.25 and 10.00 ohms, a meter capable of these low readings must be used.

5. Check between ”C” & ”R.” Replace compressor if there is no continuity as the run windings are open.

6. Check between ”C” & ”S.” Replace the compressor if there is no continuity as the start windings are open.
7. Check between ”C” & ”R”, or ”S” and shell of the compressor. If there is continuity replace the compressor as the motor is grounded.
8. Check between screw terminal on the overload and ”C” on the compressor. Check and repair the lead or connections if there is no continuity.

CAPACITOR CHECK

9. Check or replace start capacitor, disconnect bleed resistor before checking for shorted capacitor.
10. Check or replace run capacitor (if supplied) check or shorted capacitor or either terminal grounded to case.

TROUBLESHOOTING GEAR MOTORS

Basically, Gear motor problems can be narrowed down to three areas of checkout.

THE GEARMOTOR WILL NOT RUN

1. No voltage to the transmission terminals – check external circuit.
2. Low voltage – check supply.
3. Problems in the gear motor electrical circuit. See Figure 6

THE GEARMOTOR STARTS BUTS TRIPS REPEATEDLY ON THE OVERLOAD PROTECTOR:

1. Voltage – high or low voltage can cause the overload to trip.

THE MOTOR RUNS BUT OUTPUT SHAFT DOES NOT ROTATE:

1. Replace defective gear motor.

CAUTION: Be sure unit is disconnected from the power source
Disconnect the transmission cable.

SAFETY CONTROLS

Your Icemaker unit has several safety and control devices incorporated into its design.

WARNING: None of the below described devices should ever be ”bypassed” to allow the unit to function.

The safety and control system shut–off devices are:

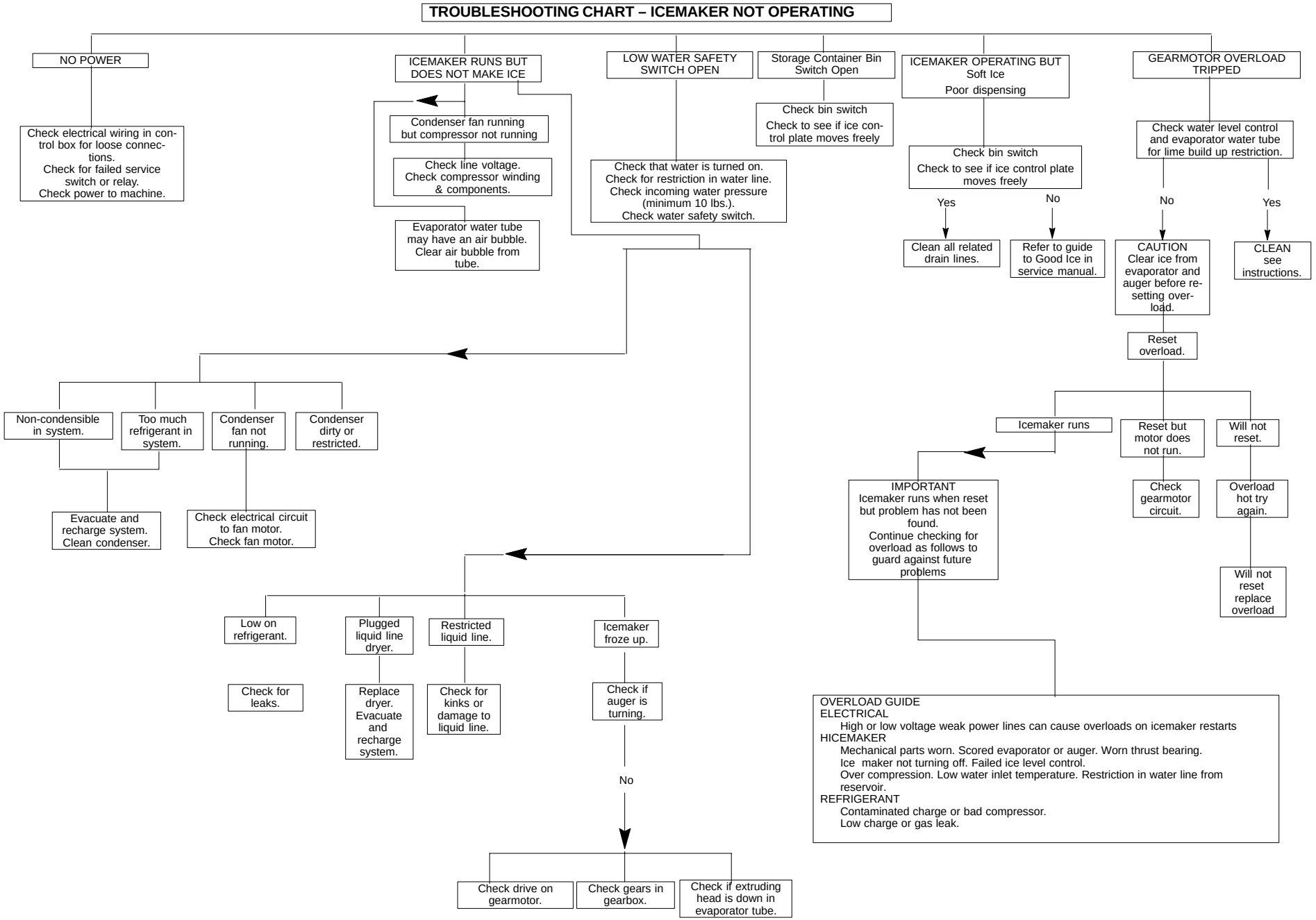
1. Low water shut off reed switch located in icemaker float assembly. (Automatic reset type).
2. Gear motor thermal overload, manual reset type located in electrical box.
3. Compressor thermal overload, automatic reset type.
4. Hopper shut–off.

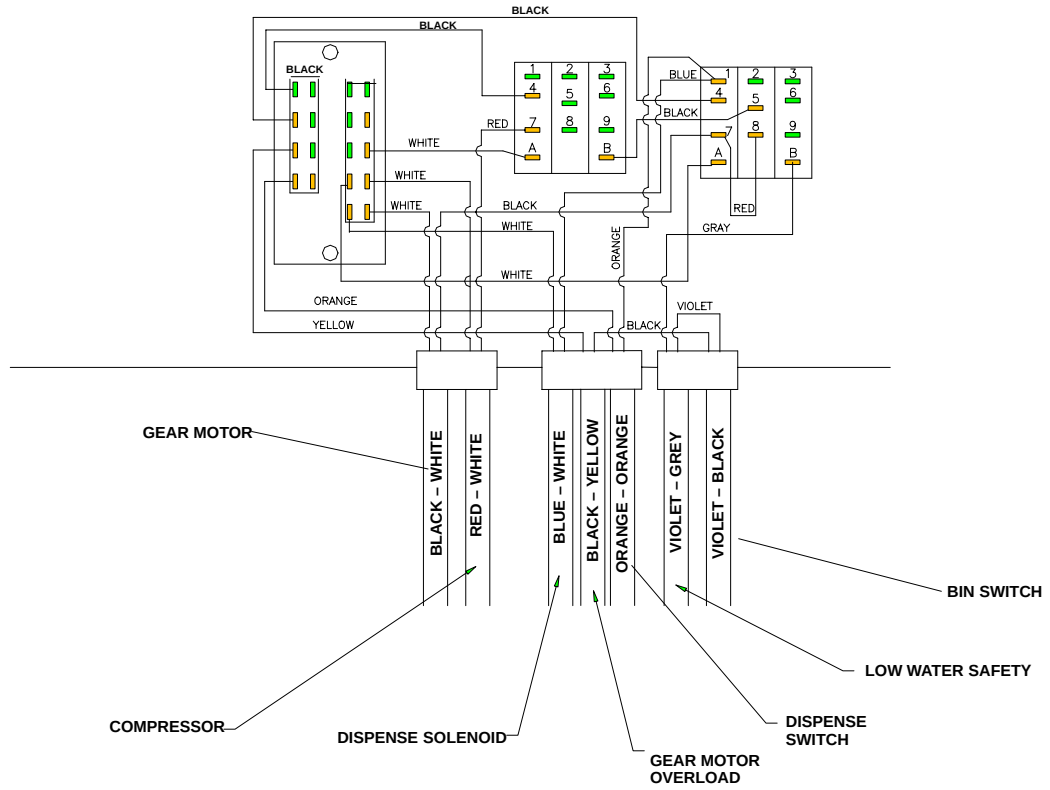
WARNING: Do not reset gear motor overload if ice is present in the evaporator.

GUIDE TO GOOD ICE

CUSTOMER COMMENTS		CHECK ICEMAKER LOCATION CONDITIONS FIRST	CHECK ICE MAKER
"It runs but the ice is too soft." "The icemaker is not producing enough ice." "The ice is too wet."		• Proper air flow for condensing system. • Location too close to high units such as coffee urns, deep fryers, grills, etc. • Supply water conditions Water too warm (above 90 °F). Water artificially softened above 262 ppm sodium chloride. Normal water supply too high in total dissolved solids (above 500 PPM).	• Check water level for proper adjustment and restrictions. See Manual. • Check evaporator assembly for worn parts, bearings, scored evaporator and auger, bad expansion valve. etc.
"It makes too much noise." (With this comment the ice is usually extremely hard and larger than normal.)	Over Compression	• Check to see if noise objection is normal fan and air flow noise. • Supply water conditions. Water too cold (below 50 °F). (Possibly running from pre-cooler.) • Obstructions partially blocking ice exit from top of evaporator. • Check fan and fan shroud.	• Check for loose parts and screws rattling. • Check evaporator assembly for worn parts, bearings, scored evaporator and auger, bad expansion valve, etc.

TROUBLESHOOTING CHART – ICEMAKER NOT OPERATING





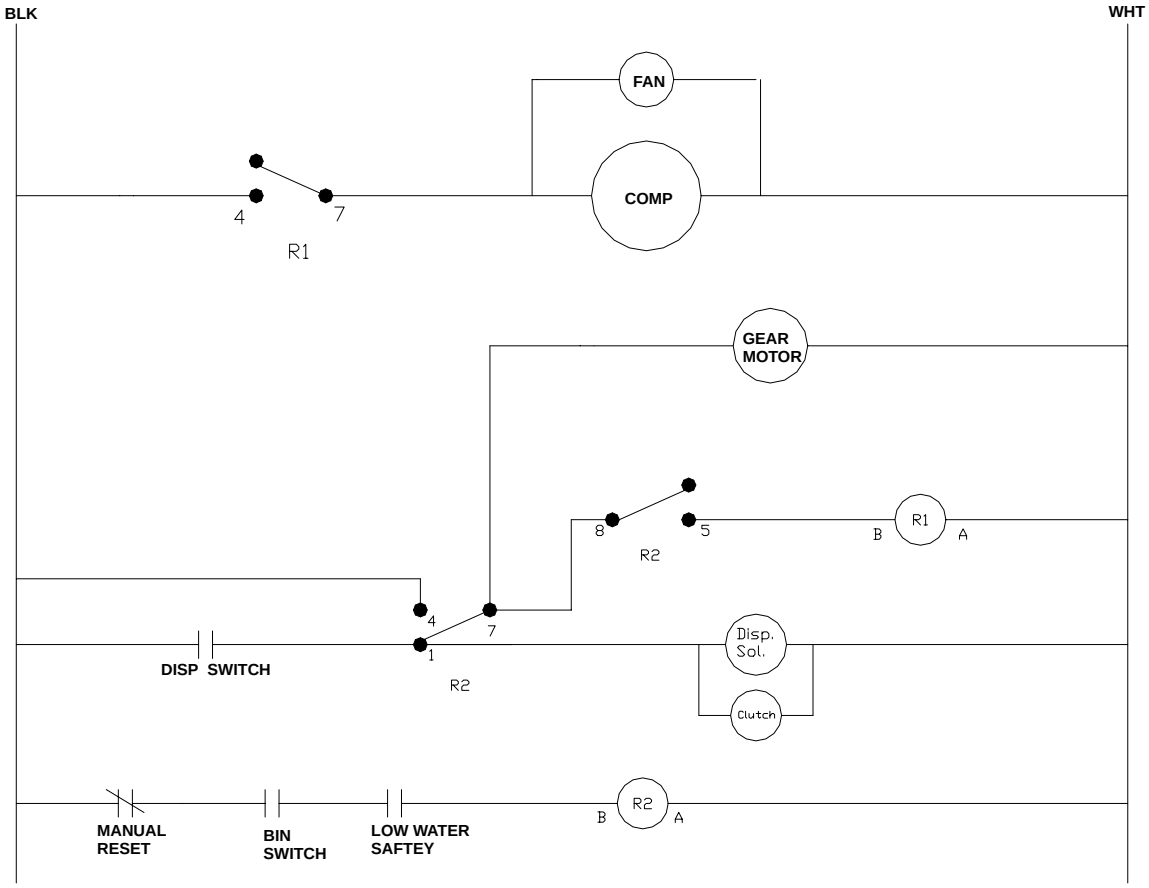


FIGURE 8. WIRING DIAGRAM AND SCHEMATIC

PARTS LIST

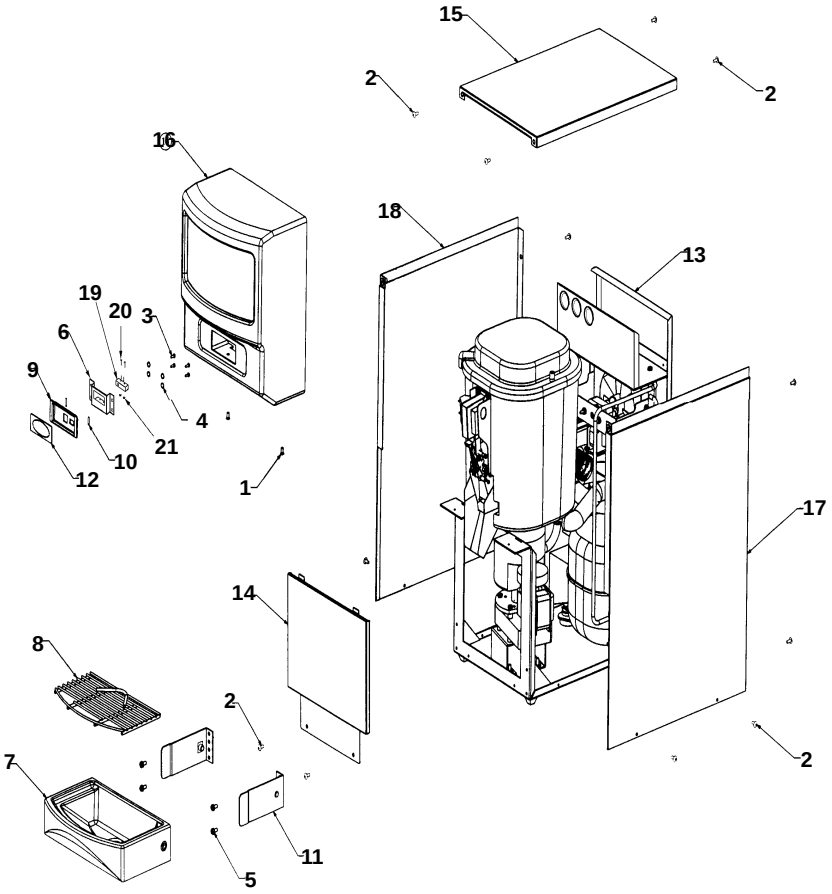


FIGURE 9. FINAL ASSEMBLY P/N 92200 – IMD50-5A, 115VAC
P/N 92200-002–IMD52-5A, 220VAC

ITEM NO.	PART NO.	DESCRIPTION
1	638007029–01	Screw, 8-32 x 3/8” F.H.M.S
2	638007041–01	Screw, 8-32 x 3/8” THM
3	638007129–01	Screw, #4 Type “B” B.H.
4	638007301–029	Nylon Flat Washer, .312 O.D. x .125 I.D.
5	638007972–01	Screw, #10 x 3/8” Type “B” HHWF
6	638092211	Switch Mounting Bracket
7	638045129–002	Drip Pan
8	638045155–002	Grille
9	638045399	Push Button Bezel
10	638045609	Adhesive Tape
11	638046546	Arm Assembly
12	638049230	Push Button Overlay
13	638092210	Refrigeration & Frame Assembly IMD50-5A 115VAC
	638092210–002	Refrigeration & Frame Assembly IMD52-5A 220VAC
14	638092226	Front Splash Panel
15	638092227	Top Panel
16	638092228–001	Front Cover, Plastic
17	638092233	Right Side Panel
18	638092234	Left Side Panel
19	638060068–021	Switch
20	638060067–086	Screw, #2-56 x 7/16”, PH SS
21	638060067–087	Lock Nut, 2-56, SS

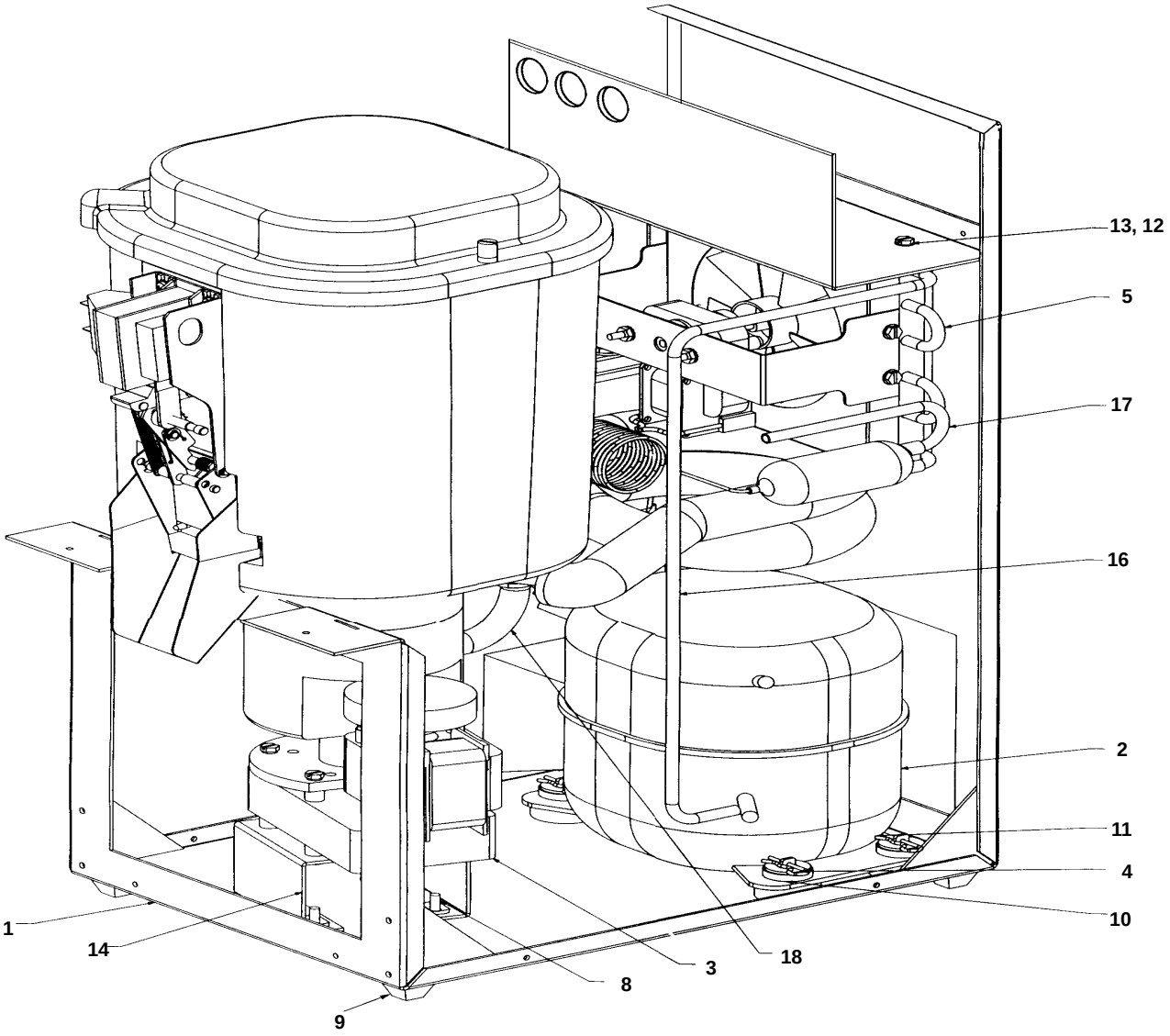


FIGURE 10. REFRIGERATION & FRAME ASSEMBLY

REFRIGERATION & FRAME ASSEMBLY PARTS LIST
P/N 92210–IMD50-5A 115VAC, P/N 92210–002–IMD52-5 220VAC

ITEM NO.	PART NO.	DESCRIPTION
1	638092206	Base Weldment
2	638092004	Compressor, R-134a, 115VAC
	638092004-002	Compressor, R-134a, 220VAC
3	638092253	Front End Assembly, IMD50-5A, 115VAC
	638092253-002	Front End Assembly, IMD52-5A, 220VAC
4	638007301-23	Flat Washer, 7/8” O.D. x 3/8” I.D.
5	638092068	Fan Motor and Condenser Assembly
6	638092005	Water Level Control
7	638007302-02	Washer, #10 Split Lock
8	638007052-04	Screw. #10-32 x 5/8” H.H.M.S
9	638033819-002	Bumper – KWPB, .50
10	638008467	Compressor Mounting Grommet
11	638008474	Spring Clip
12	638007266-03	Tinnerman Nut
13	638007972-01	Screw, #10 x 3/8”, Type “B” HHWF
14	638092207	Bracket, Front End Assembly
15	638007348-09	Pop Rivet
16	638092289	Discharge Line
17	638092088	Dryer/Suction Line Assembly
18	638006070	Clear Vinyl Tubing, 3/8” I.D. x 9/16” O.D.
19	638006071-02	Hose Clamp
*	638007339–01	Bushing
*	638046384–001	Power Cord (220/50)
*	638046384	Power Cord (115 Volt)
*	63807221320	Strain Relief
*	638049273	Terminal Board
*	638007972–02	Screw (terminal board)
*	638007049–001	Ground Screw
*	630300237	Wire Harness, Main
*	638010002	Relay (220/50) VAC 3PDT)
*	638009192	Relay (115 VAC 3PDT)
*	638007972–01	Screw #10 3/8” LG (E–box)

NOTE: * = Not Shown

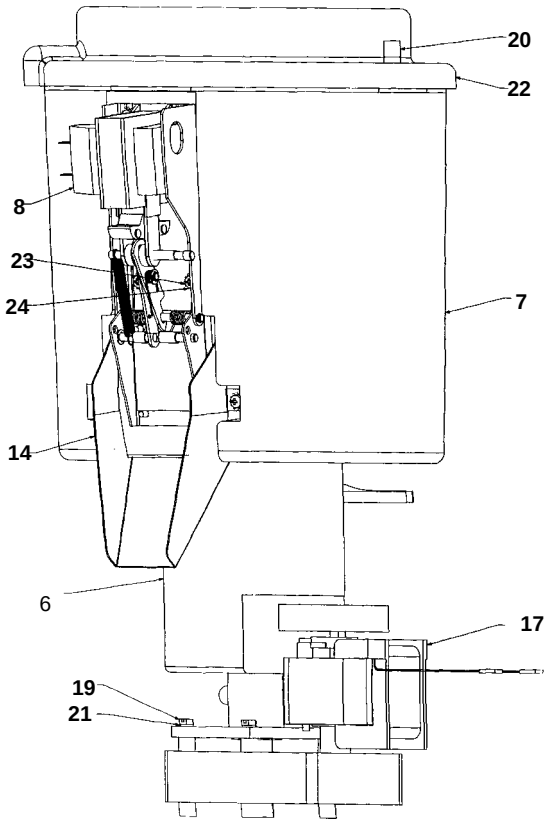


FIGURE 11. FRONT END ASSEMBLY AND PARTS LIST
P/N92253 – IMD50-5A, 115VAC, P/N92253-02 – IMD52-5A, 220VAC

ITEM	PART NO.	DESCRIPTION
1	638092017	Auger
2	638092051	Extruding Head Assembly
3	638092052	Auger Nut
4	638092014	Bearing, Delrin
5	638092015	Bearing, Nylon
6	638092054	Foamed Evaporator Assembly
7	638092094	Hopper Assembly
8	638092112-001	Dispense Mechanism Assembly, 155VAC
	638092112-002	Dispense Mechanism Assembly, 220VAC
9	638092115	Ice Level Control Assembly
10	638092093	Agitator Assembly
11	638092104	Shaft, Agitator Drive
12	638092105	Drive, Agitator
13	638092121	Drive Pin
14	638092296	Ice Chute
15	638092134	Clutch and Wire Assembly, 115VAC
	638092134-002	Clutch and Wire Assembly, 220VAC
16	638092120	1” Evaporator Gasket
17	638092076	Gear Motor Assembly, 115VAC (complete with seals)
	638092076-002	Gear Motor Assembly, 220VAC (complete with seals)
18	638092113	Screw, 1/4-20 Round Slotted Head
19	638007052-04	Screw, #10-32 HHMS, 5/8” long
20	638000959	Thumb Screw
21	638007302-02	Washer, #10 Split Lock
22	638092125	Cover, Hopper
23	638007026-07	Screw, #8-32 BHMS, 3/8” Long
24	638007304-01	Lock Washer, #10 External Tooth

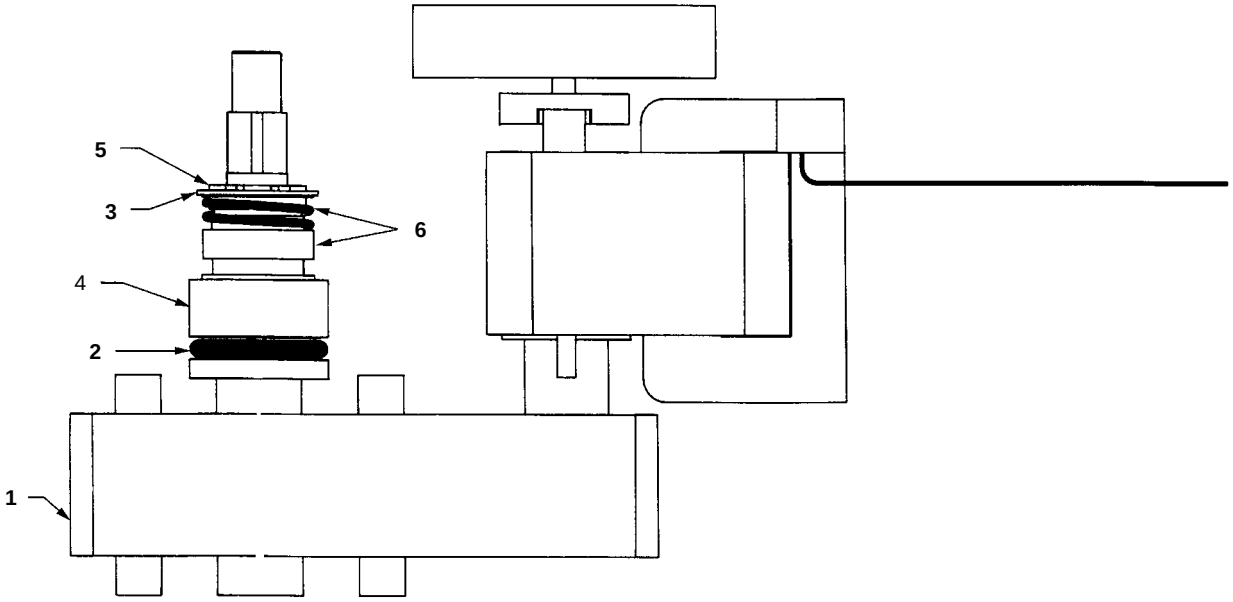


FIGURE 12. GEAR MOTOR ASSEMBLY AND PART LIST
P/N 92076 – IMD50-5, 115VAC, P/N 92076-002 – IMD52-5, 220VAC

ITEM	PART NO.	DESCRIPTION
1	638092021	Gear Motor, 115 VAC
	638092021-002	Gear Motor 220 VAC
2	638034023	O-Ring
3	638007301-032	Flat Washer, Plain
4	638092020	Shaft Seal Mount
5	638092019	E-Ring
6	638092018	Two Piece Shaft Seal

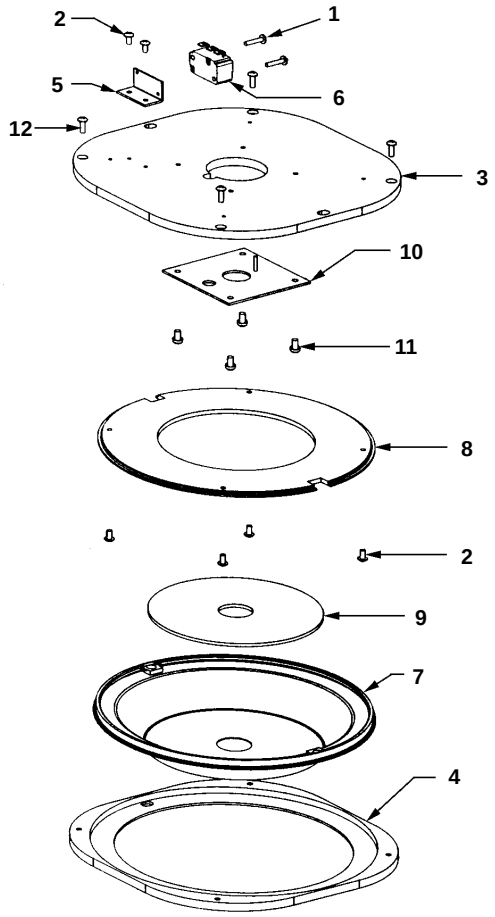


FIGURE 13. ICE LEVEL CONTROL ASSEMBLY
P/N 92115 – IMD50-5, 115VAC / IMD52-5, 220VAC

ITEM	PART NO.	DESCRIPTION
1	638007128-03	Screw, 4-40 BHMS, 5/8” Long
2	638007009-03	Screw, #6 Type “B” BH, 1/4” Long
3	638092107	Hopper Cover Top
4	638092108	Hopper Cover Bottom
5	638092114	Switch Bracket
6	638092116	Switch SPDT
7	638092117	Diaphragm Ice Control
8	638092118	Ice Control, Bottom
9	638092119	Disc, Ice Control
10	638092133	Clutch Plate Assembly
11	638007026—05	Screw, #8-32 BHMS, 1/4” Long
12	638007009-02	Screw, #6 Type “B” BH, 3/8” Long

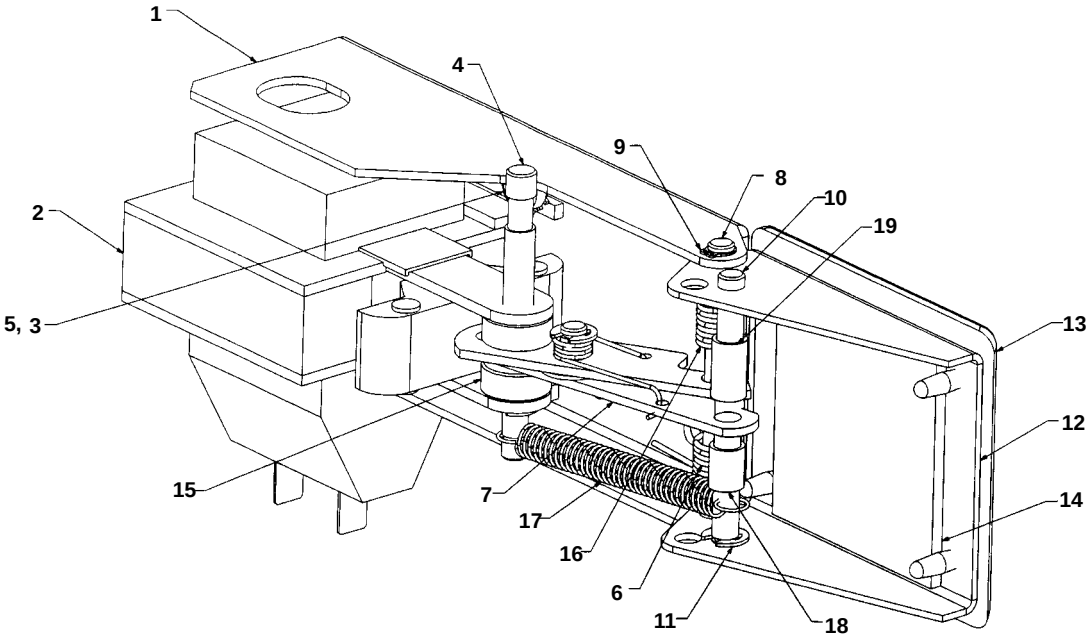


FIGURE 14. DISPENSE MECHANISM ASSEMBLY AND PARTS LIST
P/N 92112-001 IMD 50-5, 115VAC, P/N 92112-002 IMD 52-5, 220VAC

ITEM	PART NO.	DESCRIPTION
1	638092111-001	Solenoid Mounting Bracket
2	638010081	Solenoid, 115 VAC
	638010019	Solenoid, 220 VAC
3	638007051-02	Screw, #10-32 BHMS, 3/8" Long
4	638004390	Clevis Pin
5	638007304-01	#10 Lock Washer, External Tooth
6	638004443	Torsion Spring, Lower
7	638040071	Drive Bar and Link Assembly
8	638004416	Pivot Pin
9	638007338-01	Basic Retaining Ring
10	638004417	Drive Pin
11	638007337-02	"E" Ring
12	638031036-001	Door
13	638031002	Door Gasket
14	638031096	Door Insulation
15	638000981	Spacer (Solenoid Tee Bar)
16	638004418	Torsion Spring, Upper
17	638004026	Plunger Spring
18	638004441	Lower Spacer
19	638004442	Upper Spacer

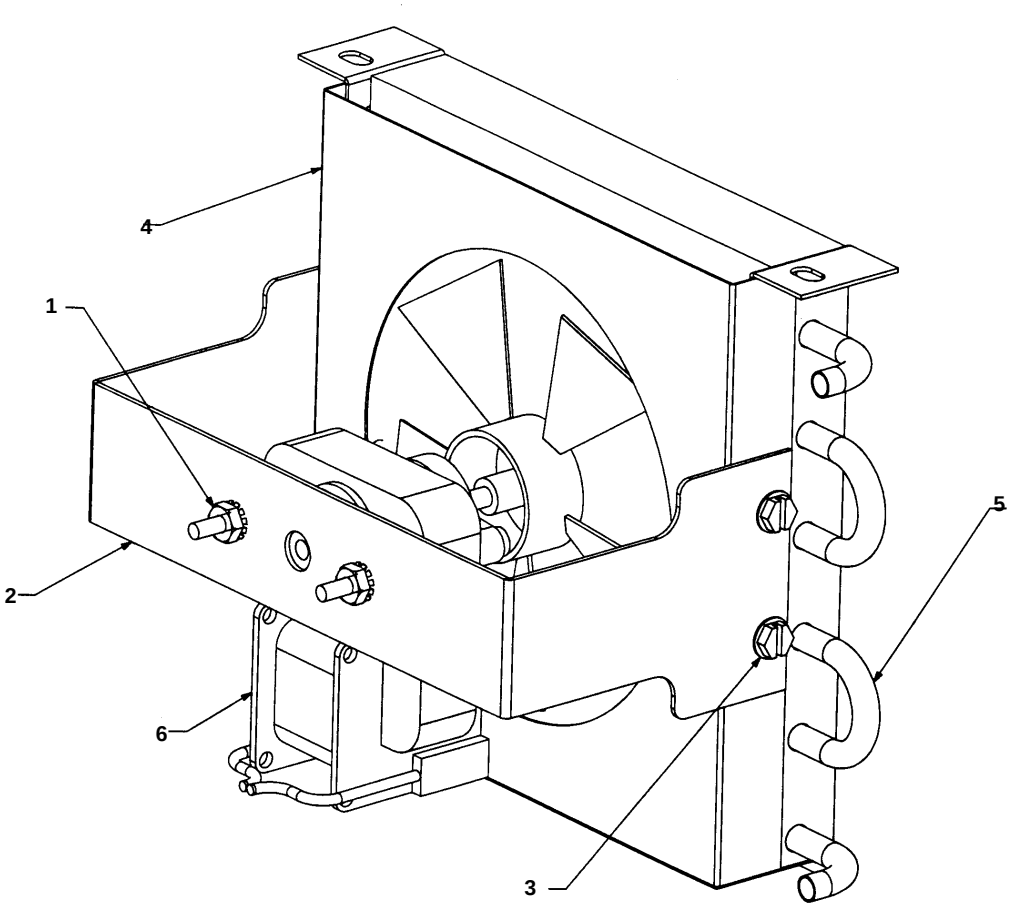


FIGURE 15. FAN MOTOR AND CONDENSER ASSEMBLY AND PARTS LIST
P/N 92068 IMD 50-5, 115VAC, P/N 92068-002 IMD 52-5, 220VAC

ITEM	PART NO.	DESCRIPTION
1	638007204-03	Nut, #8-32 Keps
2	638092070	Fan Bracket
3	638007061-001	Screw, #10 Type “F” HHWF, 3/8” Long
4	638092069	Shroud
5	638092064	Condenser
6	638092135	Fan Motor, Fan Blade & Cable Assembly, 115VAC
	638092135-002	Fan Motor, Fan Blade & Cable Assembly, 220VAC
	638048705-002	Fan Blade (Sold with above assemblies)

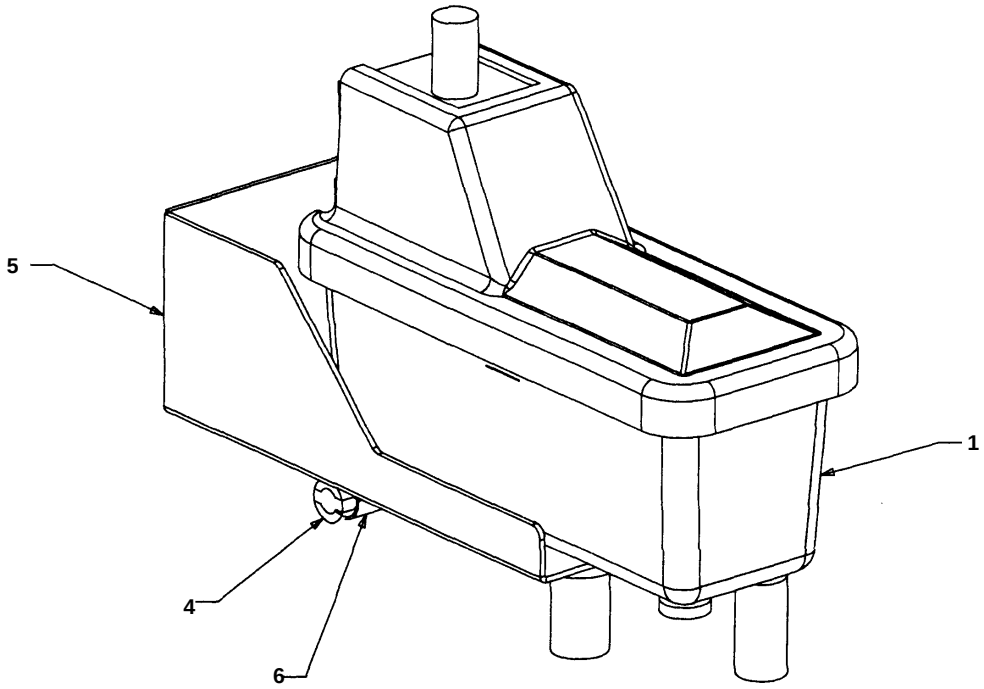


FIGURE 16. WATER LEVEL CONTROL ASSEMBLY AND PARTS LIST
P/N 92005 IMD50-5, 115VAC AND IMD52-5, 220VAC

ITEM	PART NO.	DESCRIPTION
1	638030822	Cover, Reservoir, O-Ring and Wing Nut
2	638030823	Valve Body and Hardware
3	638030819	Float and Magnet Bracket Assembly
4	638036069-001	Reed Switch Assembly
5	638092007	Reservoir Mounting Bracket
6	638008097	Reed Switch Mounting Clamp
7	638007002-01	Screw, #6-32 BHMS, 1/4” Long

WARRANTY

IMI Cornelius Inc. warrants that all equipment and parts are free from defects in material and workmanship under normal use and service. For a copy of the warranty applicable to your Cornelius, Remcor or Wilshire product, in your country, please write, fax or telephone the IMI Cornelius office nearest you. Please provide the equipment model number, serial number and the date of purchase.

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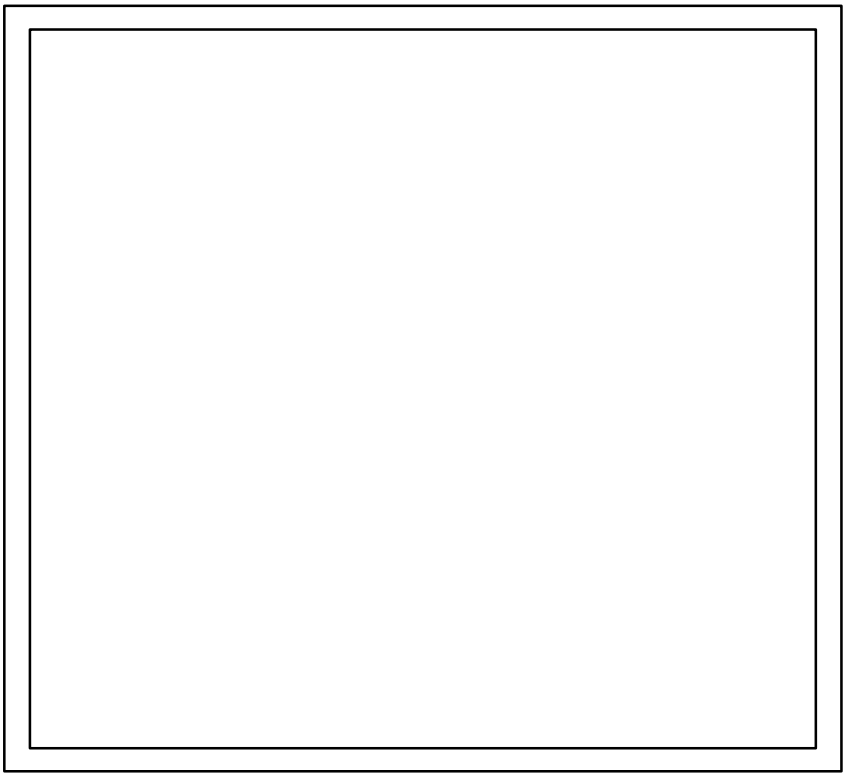

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