



# Delfield ColdPro Reach Ins

## Service, Installation and Care Manual

Please read this manual completely before attempting to install or operate this equipment! Notify carrier of damage! Inspect all components immediately. See page 2.



**Refrigerators and Freezers**



**NOTE**

**IMPORTANT INFORMATION  
READ BEFORE USE  
PLEASE SAVE THESE INSTRUCTIONS!**

Effective Date July 2005

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## SERIAL NUMBER INFORMATION

The serial number of all self-contained refrigerators and freezers is located inside the unit on the left hand side near the top on the wall.

Always have the serial number of your unit available when calling for parts or service. Please record your model and serial number on the back cover of this manual for easy reference.

This manual covers standard units only. If you have a custom unit, consult the customer service department at the number listed below.

## RECEIVING AND INSPECTING THE EQUIPMENT

Even though most equipment is shipped crated, care should be taken during unloading so the equipment is not damaged while being moved into the building.

1. Visually inspect the exterior of the package and skid or container. Any damage should be noted and reported to the delivering carrier immediately.
2. If damaged, open and inspect the contents with the carrier.
3. In the event that the exterior is not damaged, yet upon opening, there is concealed damage to the equipment notify the carrier. Notification should be made verbally as well as in written form.
4. Request an inspection by the shipping company of the damaged equipment. This should be done within 10 days from receipt of the equipment.
5. Be certain to check the compressor compartment housing and visually inspect the refrigeration package. Be sure lines are secure and base is still intact.
6. Freight carriers can supply the necessary damage forms upon request.
7. Retain all crating material until an inspection has been made or waived.



# SPECIFICATIONS

COLDPRO SOLID DOOR REFRIGERATORS										
MODEL #	VOLTAGE	AMPS	STORAGE CAPACITY FT <sup>3</sup>	SHELF CAPACITY FT <sup>2</sup>	H.P.	BTU	CHARGE	SHIP WEIGHT	NEMA PLUG	REFRIG. TYPE
R1FR	115/60/1	5	18.7	14.04	1/4	3200	21.2 oz.	332 LBS	5-15P	134A
R1FL	115/60/1	5	18.7	14.04	1/4	3200	21.2 oz.	332 LBS	5-15P	134A
R1HR	115/60/1	5	18.7	14.04	1/4	3200	21.2 oz.	332 LBS	5-15P	134A
R1HL	115/60/1	5	18.7	14.04	1/4	3200	21.2 oz.	332 LBS	5-15P	134A
R2FH	115/60/1	9	40.25	28.08	1/2	5800	30.0 oz.	498 LBS	5-15P	134A
R2HH	115/60/1	9	40.25	28.08	1/2	5800	30.0 oz.	498 LBS	5-15P	134A
R3FH	115/60/1	11	61.8	42.12	1/2+	7625	37.0 oz.	649 LBS	5-15P	134A

COLDPRO SOLID DOOR FREEZERS										
MODEL #	VOLTAGE	AMPS	STORAGE CAPACITY FT <sup>3</sup>	SHELF CAPACITY FT <sup>2</sup>	H.P.	BTU	CHARGE	SHIP WEIGHT	NEMA PLUG	REFRIG. TYPE
F1FR	115/60/1	9	18.7	14.04	1/2	2325	19.4 oz.	334 LBS	5-15P	404A
F1FL	115/60/1	9	18.7	14.04	1/2	2325	19.4 oz.	334 LBS	5-15P	404A
F1HR	115/60/1	9	18.7	14.04	1/2	2325	19.4 oz.	334 LBS	5-15P	404A
F1HL	115/60/1	9	18.7	14.04	1/2	2325	19.4 oz.	334 LBS	5-15P	404A
F2FH	115/60/1	10	40.25	28.08	3/4	3650	20.5 oz.	558 LBS	5-15P	404A
F2HH	115/60/1	10	40.25	28.08	3/4	3650	20.5 oz.	558 LBS	5-15P	404A
F3FH	115/60/1	16	61.8	42.12	1+	4500	28.2 oz.	766 LBS	5-20P	404A

# INSTALLATION

## Location

Units represented in this manual are intended for indoor use only. Be sure the location chosen has a floor strong enough to support the total weight of the cabinet and contents. A fully loaded unit can weigh as much as 4,000 pounds. Reinforce the floor as necessary to provide for maximum loading. For the most efficient refrigeration, be sure to provide good air circulation inside and out.

**Inside cabinet:** Do not pack refrigerator so full that air cannot circulate. The refrigerated air is discharged at the top rear of the unit. It is important to allow for proper air flow from the top rear to the bottom of the unit. Obstructions to this air flow can cause evaporator coil freeze ups, loss of temperature or overflow of water from the evaporator drain pan. However, bags and other items can still be located to the far rear of the cabinet. Air is brought into the evaporator coil with fans mounted to the front of the coil. Prevent obstruction by locating large boxes and tall stacks of product to the bottom of the cabinet.

**Outside cabinet:** Be sure that the unit has access to ample air. Avoid hot corners and locations near stoves and ovens. It is recommended that the unit be installed no closer than 2" from any wall.



## Leveling

A level cabinet will not be subject to undue stress and perform better when the doors line up with the frames properly. Use a level to make sure the unit is level from front to back and side to side. When the unit is supplied with casters, no adjustments are available, but if unit comes with legs, they have adjustable bullet feet. Ensure the floor where the unit is to be located is level.

## Stabilizing

Models are supplied on casters for your convenience, ease of cleaning underneath and for mobility. It is very important, however, that the cabinet be installed in a stable condition with the front wheels locked while in use.



**Unit repairs will not be subject to standard unit warranties due to improper installation procedures.**

## Electrical connection

Refer to the amperage data on page 3, the serial tag, your local code or the National Electrical Code to be sure the unit is connected to the proper power source. A protected circuit of the correct voltage and amperage must be run for connection of the line cord, or permanent connection to the unit.



**The on/off switch must be turned to OFF and the unit disconnected from the power source whenever performing service, maintenance functions or cleaning the refrigerated area.**

# OPERATION



**Do not throw items into the storage area. Failure to follow these recommendations could result in damage to the interior of the cabinet.**

### Temperature control instruction

**Refrigerators:** A thermostat located on the evaporator coil in the interior of the unit, controls the temperature in the box. The unit should maintain 38°F(3°C), with the factory control setting at 5 or 6. Set toward “1” for warmer temperatures and toward “7” for colder temperatures.

**Freezers:** A thermostat located on the evaporator coil in the interior of the unit, controls the temperature in the box. The unit should maintain -3°F(-18°C), with the factory control setting at 6. Set toward “1” for warmer temperatures and toward “7” for colder temperatures.

### Refrigeration cycle

**Refrigerators:** The evaporator fans will run continuously unless a door is open. The door switch will activate the lights when opened and turn power off to the evaporator fan motors.

1. The temperature control allows for the evaporator coil to clear after each off cycle and before the compressor runs again.
2. Anti-sweat heaters around each door opening operate continually.

**Freezers:** The defrost timer supplies power to the temperature control (for power to the condensing unit) and evaporator fan motors. The door switch will activate the lights when opened

and turn power off to the evaporator fan motors.

1. Defrost Cycle, 20 minutes every 4 hours.
2. Anti-sweat heaters around each door opening operate continually.

### On/Off Switch:

An ON/OFF switch is located on the front of the evaporator coil housing. When the unit is on, the switch will illuminate.



# MAINTENANCE



**The power switch must be turned to OFF and the unit disconnected from the power source whenever performing service, maintenance functions or cleaning the refrigerated area.**

### Refrigerators and Freezers

The interior and exterior can be cleaned using soap and warm water. If this isn't sufficient, try ammonia and water or a non-abrasive liquid cleaner. When cleaning the exterior, always rub with the "grain" of the stainless steel to avoid marring the finish.

Do not use an abrasive cleaner because it will scratch the stainless steel and can damage the breaker strips and gaskets.

### Cleaning the Condenser Coil

The condenser coil requires regular cleaning, recommended is every 90 days. In some instances though you may find that there is a large amount of debris and dust or grease accumulated prior to the 90 day time frame. In these cases the condenser coil should be cleaned every 30 days.

If the build up on the coil consists of only light dust and debris the condenser coil can be cleaned with a simple brush, heavier dust build up may require a vacuum or even compressed air to blow through the condenser coil.

If heavy grease is present there are de-greasing agents available for refrigeration use and specifically for the condenser coils. The condenser coil may require a spray with the de-greasing agent and then blown through with compressed air.

Failure to maintain a clean condenser coil can initially cause high temperatures and excessive run times, continuous operation with dirty or clogged condenser coils can result in compressor failures. Neglecting the condenser coil cleaning procedures will void any warranties associated with the compressor or cost to replace the compressor.



**Never use a high pressure water wash for this cleaning procedure as water can damage the electrical components located near or at the condenser coil.**

In order to maintain proper refrigeration performance, the condenser fins must be cleaned of dust, dirt and grease regularly. It is recommended that this be done at least every three months. If conditions are such that the condenser is totally blocked in three months, the frequency of cleaning should be increased. Clean the condenser with a vacuum cleaner or stiff brush. If extremely dirty, a commercially available condenser cleaner may be required.

### Stainless Steel Care and Cleaning

To prevent discoloration of rust on stainless steel several important steps need to be taken. First, we need to understand the properties of stainless steel. Stainless steel contains 70-80% iron which will rust. It also contains 12-30% chromium which forms an invisible passive film over the steels surface which acts as a shield against corrosion. As long as the protective layer is intact, the metal is still stainless. If the film is broken or contaminated, outside elements can begin to breakdown the steel and begin to form rust or discoloration.

Proper cleaning of stainless steel requires soft cloths or plastic scouring pads.



**NEVER USE STEEL PADS, WIRE BRUSHES OR SCRAPERS!**

Cleaning solutions need to be alkaline based or non-chloride cleaners. Any cleaner containing chlorides will damage the protective film of the stainless steel. Chlorides are also commonly found in hard water, salts, and household and industrial cleaners. If cleaners containing chlorides are used be sure to rinse repeatedly and dry thoroughly upon completion.

Routine cleaning of stainless steel can be done with soap and water. Extreme stains or grease should be cleaned with a non-abrasive cleaner and plastic scrub pad. It is always good to rub with the grain of the steel. There are also stainless steel cleaners available which can restore and preserve the finish of the steels protective layer.

Early signs of stainless steel breakdown can consist of small pits and cracks. If this has begun, clean thoroughly and start to apply stainless steel cleaners in attempt to restore the passivity of the steel.



**Never use an acid based cleaning solution! Many food products have an acidic content which can deteriorate the finish. Be sure to clean the stainless steel surfaces of ALL food products. Common items include, tomatoes, peppers and other vegetables.**

## MAINTENANCE CONTINUED



If your freezer seems to vibrate excessively when the compressor is running, loosen (but do not remove) the bolts on the compressor.

### MAINTENANCE

#### Gasket Maintenance

Gaskets require regular cleaning to prevent mold and mildew build up and also to keep the elasticity of the gasket. Gasket cleaning can be done with the use of warm soapy water. Avoid full strength cleaning products on gaskets as this can cause them to become brittle and prevent proper seals. Also, never use sharp tools or knives to scrape or clean the gasket which could possibly tear the gasket and rip the bellows.

Gaskets can easily be replaced and do not require the use of tools or authorized service persons. The gaskets are “Dart” style and can be pulled out of the groove in the door and new gaskets can be “pressed” back into place.

#### Doors/Hinges

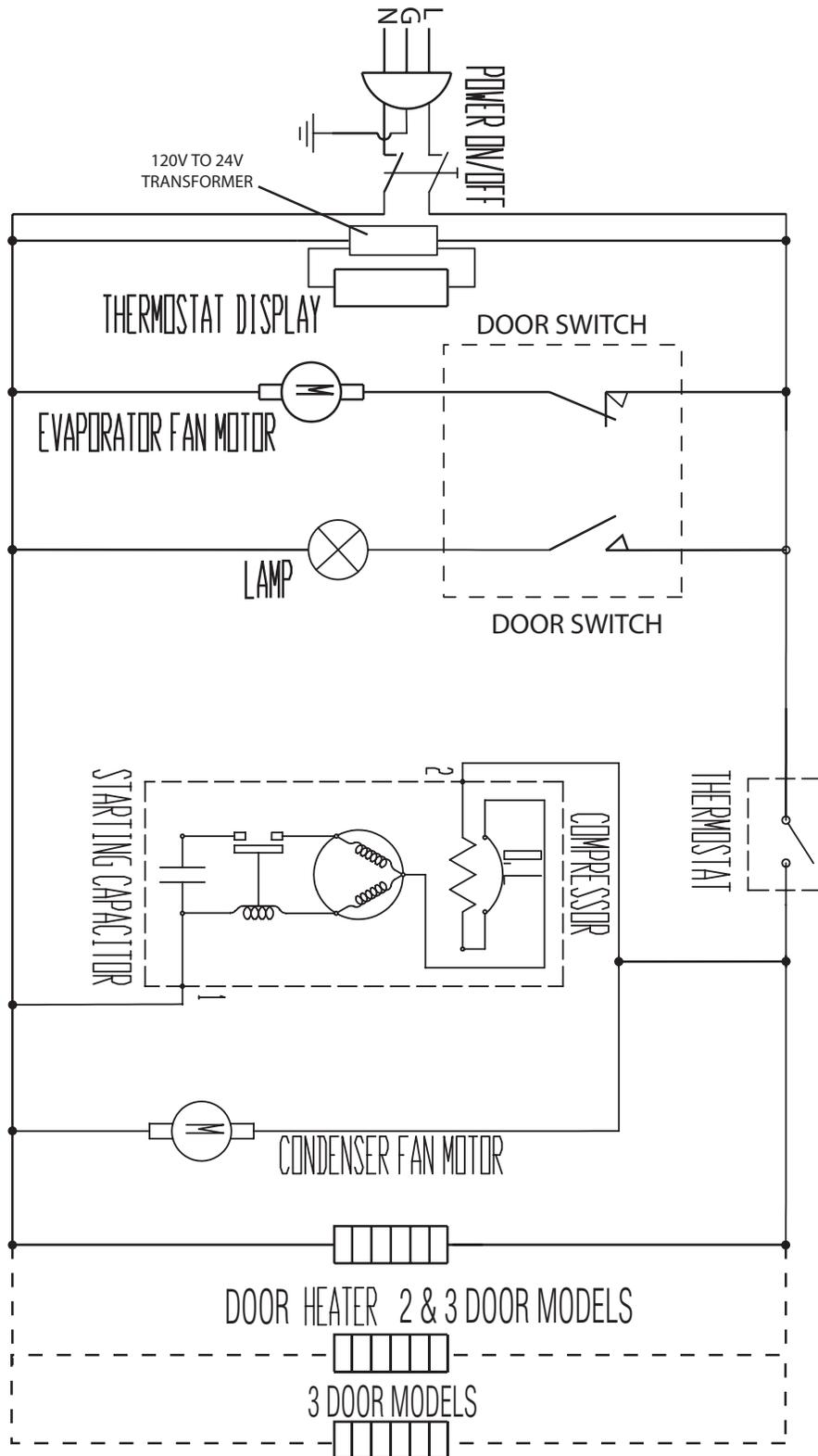
Over time and with heavy use doors the hinges may become loose. If it is noticed that the door is beginning to sag, it may become necessary to tighten the screws that mount the hinge brackets to the frame of the unit. If the doors are loose or sagging this can cause the hinge to pull out of the frame which may damage both the doors and the door hinges. In some cases this can require qualified service agents or maintenance personnel.

#### Drain Maintenance

Each unit has a drain located inside the unit which removes the condensation from the evaporator coil and evaporates it at an external condensate evaporator pan. Each drain can become loose or disconnected from moving or bumping the drain. If you notice excessive water accumulation on the inside of the unit be sure the drain tube is connected from the evaporator housing to the condensate evaporator drain pan. If water is collected underneath the unit you may want to check the condensate evaporator drain tube to be sure it is still located inside the drain pan. The leveling of the unit is important as the units are designed to drain properly when on a level surface, if your floor is not level this can also cause drain problems. Be sure all drain lines are free of obstructions, typically food product is found blocking drain lines causing water to back up and overflow the drain pans.

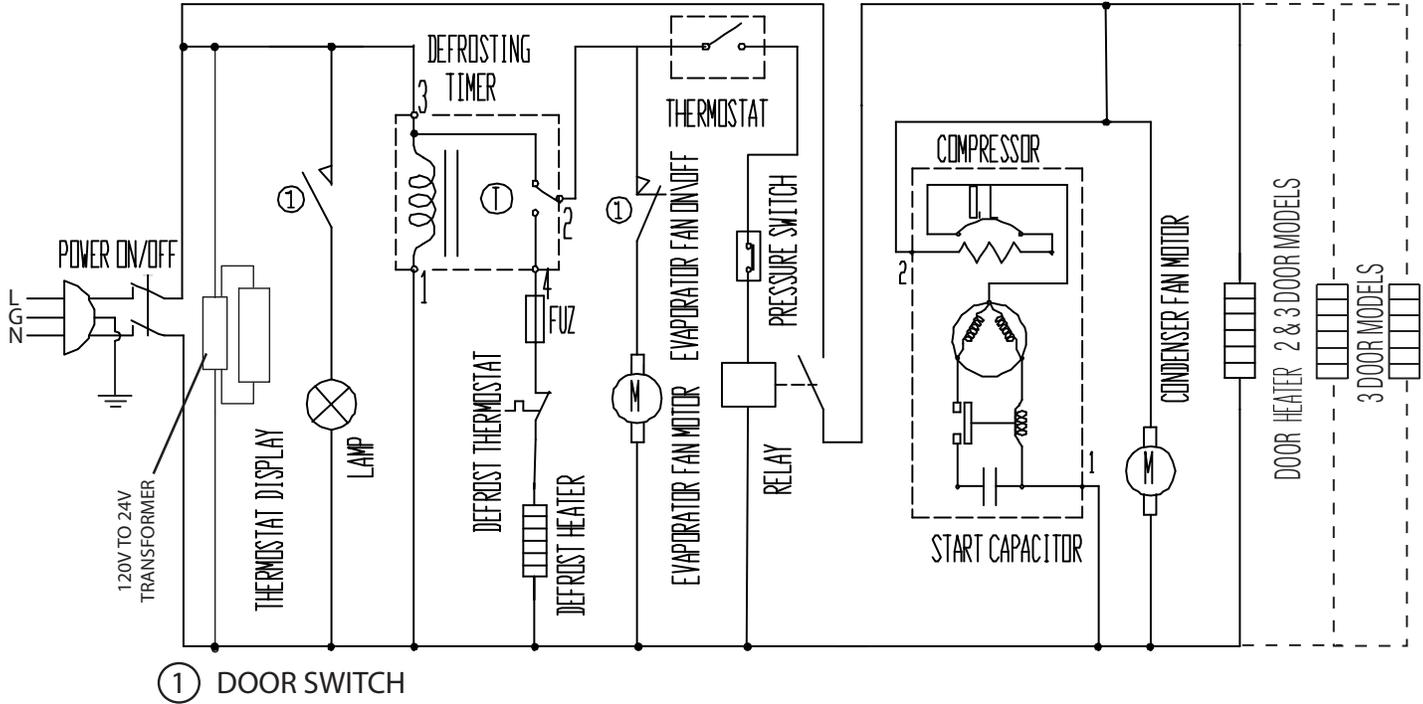
# WIRING DIAGRAMS: REFRIGERATORS

Models: R1FR, R1FL, R1HR, R1HL, R2FH, R2HH, R3FH  
 115 VOLT 60 CYCLE 1 PHASE

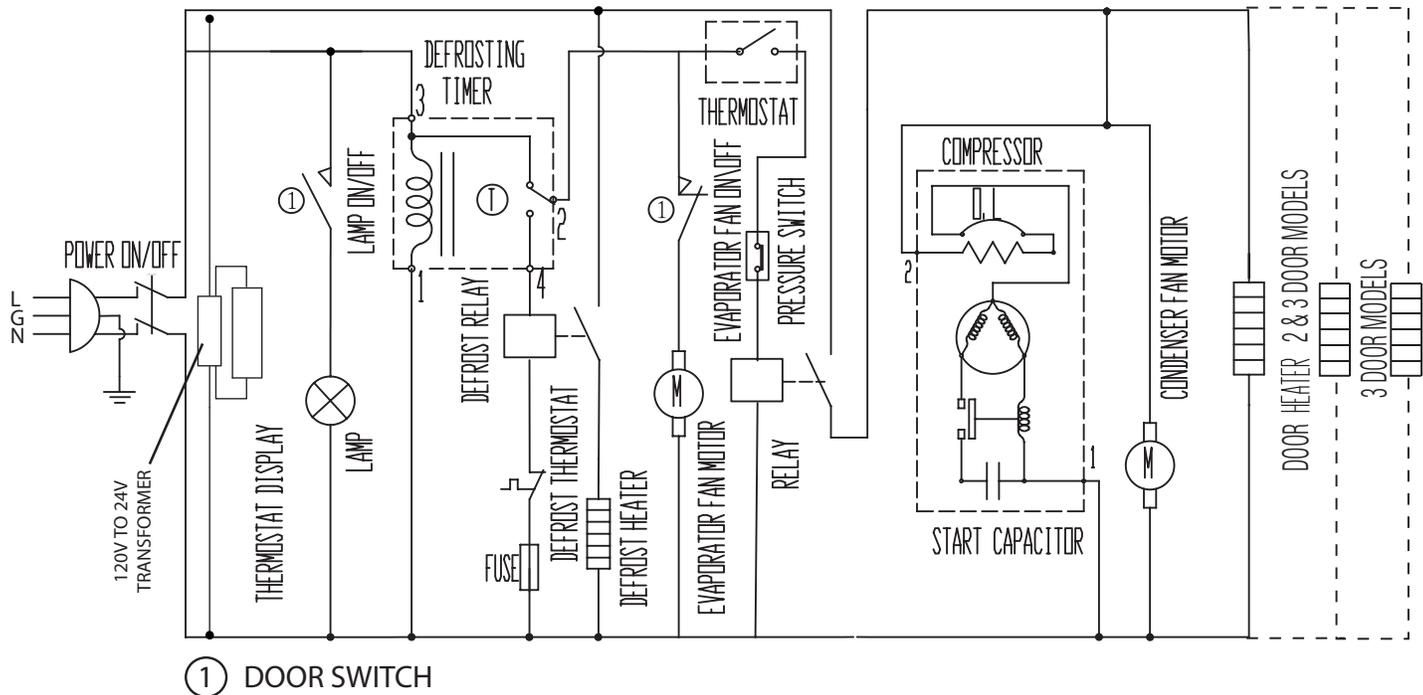


# WIRING DIAGRAMS: FREEZERS

MODELS: F1FR, F1FL, F1HR, F1HL  
115 VOLT 60 CYCLE 1 PHASE



MODELS: F2FH, F2HH, F3FH  
115 VOLT 60 CYCLE 1 PHASE



# REPLACEMENT PARTS

PART NUMBER	DESCRIPTION	UNIT TYPE					
		1 DR REF	2 DR REF	3 DR REF	1 DR FRZ	2 DR FRZ	3 DR FRZ
3547699	CAPILLARY TUBE	X					
3547700	CAPILLARY TUBE		X				
3547701	CAPILLARY TUBE			X			
3547702	CAPILLARY TUBE				X		
3547703	CAPILLARY TUBE					X	
3547704	CAPILLARY TUBE						X
3237524	CASTER, 4" DIAMETER	X	X	X	X	X	X
126-BXW-0030	CASTER/LEG BOTTOM CHANNEL	X			X		
126-BXW-0031	CASTER/LEG BOTTOM CHANNEL		X			X	
126-BXW-0032	CASTER/LEG BOTTOM CHANNEL			X			X
3526970	COMPRESSOR	X					
3526971	COMPRESSOR		X				
3526972	COMPRESSOR			X			
3526973	COMPRESSOR				X		
3526974	COMPRESSOR					X	
3526975	COMPRESSOR						X
000-BXR-0030	CONDENSATE PAN ASSEMBLY (WITH HOT GAS LOOP)	X			X		
000-BXR-0031	CONDENSATE PAN ASSEMBLY (WITH HOT GAS LOOP)		X			X	
000-BXR-0032	CONDENSATE PAN ASSEMBLY (WITH HOT GAS LOOP)			X			X
127-BXV-0080	CONDENSATE PAN SLIDE		X	X		X	X
3516345	CONDENSER COIL	X					
3516346	CONDENSER COIL		X				
3516347	CONDENSER COIL			X			
3516348	CONDENSER COIL				X		
3516349	CONDENSER COIL					X	
3516350	CONDENSER COIL						X
2162708	CONDENSER FAN MOTOR (INCLUDES BLADE & GUARD)	X					
2162709	CONDENSER FAN MOTOR (INCLUDES BLADE & GUARD)		X		X		
2162710	CONDENSER FAN MOTOR (INCLUDES BLADE & GUARD)			X		X	
2162711	CONDENSER FAN MOTOR (INCLUDES BLADE & GUARD)						X
000-BXX-0030	CONDENSING UNIT PLATE & SLIDE ASSY	X			X		
000-BXX-0031	CONDENSING UNIT PLATE & SLIDE ASSY		X			X	
000-BXX-0032	CONDENSING UNIT PLATE & SLIDE ASSY			X			X
127-BXV-0070	CONDENSING UNIT/CONDENSATE SLIDE STOP BRACKET	X	X	X	X	X	X
2194674	DEFROST HEATER				X		
2194675	DEFROST HEATER					X	
2194676	DEFROST HEATER						X
2194712	DEFROST RELAY					X	X
3516337	DEFROST TIMER				X	X	X
127-BXV-0030	DEFROST TIMER BRACKET				X	X	X
2194677	DOOR LIGHT SWITCH	X	X	X	X	X	X

The installation of generic replacement parts will VOID warranty.

# REPLACEMENT PARTS

PART NUMBER	DESCRIPTION	UNIT TYPE					
		1 DR REF	2 DR REF	3 DR REF	1 DR FRZ	2 DR FRZ	3 DR FRZ
3237521	DOOR LOCK	X	X	X	X	X	X
000-BBJ-0031	DOOR, HINGED LEFT, FULL SIZE	X	X	X	X	X	X
000-BBJ-0030	DOOR, HINGED RIGHT, FULL SIZE	X	X	X	X	X	X
000-BBJ-0033	DOOR, HINGED LEFT, HALF SIZE	X	X		X	X	
000-BBJ-0032	DOOR, HINGED RIGHT, HALF SIZE	X	X		X	X	
1702719	DRAIN	X	X	X			
2194713	DRAIN HEATER, 5W FLEX				X	X	X
3516339	EVAPORATOR COIL	X					
3516340	EVAPORATOR COIL		X				
3516341	EVAPORATOR COIL			X			
3516342	EVAPORATOR COIL				X		
3516343	EVAPORATOR COIL					X	
3516344	EVAPORATOR COIL						X
000-BXY-0030	EVAPORATOR COIL ASSY	X					
000-BXY-0031	EVAPORATOR COIL ASSY		X				
000-BXY-0032	EVAPORATOR COIL ASSY			X			
000-BXY-0033	EVAPORATOR COIL ASSY				X		
000-BXY-0034	EVAPORATOR COIL ASSY					X	
000-BXY-0035	EVAPORATOR COIL ASSY						X
133-BXS-0030	EVAPORATOR COIL BOTTOM PANEL	X					
133-BXS-0031	EVAPORATOR COIL BOTTOM PANEL		X				
133-BXS-0032	EVAPORATOR COIL BOTTOM PANEL			X			
133-BXS-0033	EVAPORATOR COIL BOTTOM PANEL				X		
133-BXS-0034	EVAPORATOR COIL BOTTOM PANEL					X	
133-BXS-0035	EVAPORATOR COIL BOTTOM PANEL						X
3516361	EVAPORATOR FAN GUARD	X	X	X	X	X	X
2162707	EVAPORATOR FAN MOTOR (INCLUDES BLADE)	X	X	X	X	X	X
133-BXU-0030	EVAPORATOR FAN MOUNTING PANEL	X			X		
133-BXU-0031	EVAPORATOR FAN MOUNTING PANEL		X				
133-BXU-0033	EVAPORATOR FAN MOUNTING PANEL					X	
133-BXU-0032	EVAPORATOR FAN MOUNTING PANEL			X			X
3516354	EVAPORATOR HOUSING	X					
3516355	EVAPORATOR HOUSING		X				
3516356	EVAPORATOR HOUSING			X			
3516357	EVAPORATOR HOUSING				X		
3516358	EVAPORATOR HOUSING					X	
3516359	EVAPORATOR HOUSING						X
1701338	GASKET, FULL DOOR	X	X	X	X	X	X
1701339	GASKET, HALF DOOR	X	X		X	X	
2194712	HIGH PRESSURE CUTOUT RELAY				X	X	X
2194711	HIGH PRESSURE CUTOUT SWITCH				X	X	X
3237528	HINGE CARTRIDGE, SELF CLOSING	X	X	X	X	X	X

The installation of generic replacement parts will VOID warranty.

# REPLACEMENT PARTS

PART NUMBER	DESCRIPTION	UNIT TYPE					
		1 DR REF	2 DR REF	3 DR REF	1 DR FRZ	2 DR FRZ	3 DR FRZ
3237529	HINGE PIN SLEEVE	X	X	X	X	X	X
3237519	HINGE, BOTTOM LEFT	X	X	X	X	X	X
3237526	HINGE, BOTTOM RIGHT	X	X	X	X	X	X
3237518	HINGE, TOP LEFT	X	X	X	X	X	X
3237525	HINGE, TOP RIGHT	X	X	X	X	X	X
3237520	HINGE, MIDDLE LEFT (HALF DOOR ONLY)	X	X		X	X	
3237527	HINGE, MIDDLE RIGHT (HALF DOOR ONLY)	X	X		X	X	
3237523	LEG, 6"	X	X	X	X	X	X
2194686	LIGHT BULB	X	X	X	X	X	X
2194682	LIGHT FIXTURE	X	X	X	X	X	X
3237522	LOCK KEY	X	X	X	X	X	X
3234861	LOCK STRIKE	X	X	X	X	X	X
2194683	ON/OFF SWITCH	X	X	X	X	X	
2194691	ON/OFF SWITCH						X
2194684	POWER CORD, 14GA	X	X	X	X	X	
2194685	POWER CORD, 16GA						X
129-BEJ-0030	REAR MACHINE COMPARTMENT COVER	X			X		
129-BEJ-0031	REAR MACHINE COMPARTMENT COVER		X			X	
129-BEJ-0032	REAR MACHINE COMPARTMENT COVER			X			X
3978195	SHELF	X					
3978207	SHELF				X		
3978198	SHELF, LEFT		X	X			
3978209	SHELF, LEFT					X	X
3978206	SHELF, MIDDLE			X			
3978208	SHELF, MIDDLE						X
3978199	SHELF, RIGHT		X	X			
3978210	SHELF, RIGHT					X	X
3234859	SHELF PILASTER STRIP	X	X	X	X	X	X
9321587	THUMB SCREWS FOR PILASTER STRIP	X	X	X	X	X	X
3234860	SHELF CLIP	X	X	X	X	X	X
3234868	SHROUD HINGE	X			X		
3234891	SHROUD HINGE		X	X		X	X
000-BBM-0033	BOTTOM SHROUD HINGED LEFT	X			X		
000-BBM-0030	BOTTOM SHROUD HINGED RIGHT	X			X		
000-BBM-0031	BOTTOM SHROUD		X			X	
000-BBM-0032	BOTTOM SHROUD			X			X
000-BBK-0033	TOP SHROUD HINGED LEFT	X			X		
000-BBK-0030	TOP SHROUD HINGED RIGHT	X			X		
000-BBK-0031	TOP SHROUD		X			X	
000-BBK-0032	TOP SHROUD			X			X
127-BXV-0050	TOP SHROUD CLOSURE BRACKET	X	X	X	X	X	X
127-BXV-0060	TOP SHROUD MOUNTING BRACKET	X	X	X	X	X	X

The installation of generic replacement parts will VOID warranty.

# REPLACEMENT PARTS

PART NUMBER	DESCRIPTION	UNIT TYPE					
		1 DR REF	2 DR REF	3 DR REF	1 DR FRZ	2 DR FRZ	3 DR FRZ
123-BEI-0030	SUCTION LINE COVER	X	X	X			
123-BEI-0031	SUCTION LINE COVER				X	X	X
3516338	THERMOMETER	X	X	X	X	X	X
9321593	THERMOMETER BULB CLIP	X	X	X	X	X	X
127-BXV-0040	THERMOMETER TRANSFORMER BRACKET	X	X	X	X	X	X
2194673	THERMOSTAT	X	X	X			
3516336	THERMOSTAT				X	X	X

MODEL	1 DR REF	2 DR REF	3 DR REF	1 DR FRZ	2 DR FRZ	3 DR FRZ
START RELAY MANUFACTURER AND MODEL (OR EQUIVALENT)	ELECTRICA MTRP 5508 W343	ELECTRICA MTRP H0016 -08W343	KLIXON 9660-3027- 19109 Z3L	KLIXON 9660C-041- 191 21 V2L	GENERAL ELECTRIC 3ARR383F3	GENERAL ELECTRIC 3ARR3B3S3
START CAPACITOR RATING (uF)	145-174	189-227	189-227	145-175	145-174	340-408
START CAPACITOR VOLTAGE RATING (VAC)	165	165	330	250	165	165
RUN CAPACITOR RATING (uF)	NONE USED	NONE USED	NONE USED	NONE USED	25 ± 5%	20 ± 5%

MISC. ITEMS	DESCRIPTION	SPEC.
	TOP SHROUD COVER HOLD DOWN SCREW	M4, 16MM LONG (NICKEL GALVANIZED)
	TOP SHROUD HINGE SCREW & NUTS	M4, 16MM LONG (STAINLESS STEEL), M4 NUT (STAINLESS STEEL) M4, 10MM LONG (ZINC GALVANIZED)
	CABINET HINGE MOUNTING SCREW	M6, 20MM LONG (STAINLESS STEEL)
	LOWER SHROUD MOUNTING SCREW	M4, 10MM LONG (ZINC GALVANIZED)
	REAR MACHINE COMPARTMENT MOUNTING SCREW	M5, 20MM LONG (ZINC GALVANIZED)
	HINGE CARTRIDGE MOUNTING SCREW	M5, 20MM LONG (STAINLESS STEEL)
	HINGE CARTRIDGE PIN SCREW	M5, 10MM LONG (STAINLESS STEEL)
	EVAPORATOR HOUSING MOUNTING SCREW	M4, 16MM LONG (STAINLESS STEEL)
	EVAPORATOR FAN GUARD MOUNTING SCREW	M5, 10MM LONG (STAINLESS STEEL), M5 NUT (STAINLESS STEEL)
	EVAPORATOR FAN MOTOR MOUNTING SCREW	M4, 16MM LONG (STAINLESS STEEL), M4 NUT (STAINLESS STEEL)
	REFRIGERATOR VINYL DRAIN TUBE	0.625 OD, 0.50 ID
	FREEZER VINYL DRAIN TUBE	0.375 OD, 0.25 ID

The installation of generic replacement parts will VOID warranty.

## STANDARD LABOR GUIDELINES TO REPAIR OR REPLACE PARTS ON DELFIELD EQUIPMENT

Advice and recommendations given by Delfield Service Technicians do not constitute or guarantee any special coverage.

- A maximum of 1-hour is allowed to **diagnose a defective component**.
- A maximum of 1-hour is allowed for **retrieval of parts** not in stock.
- A maximum **travel distance** of 100 miles round trip and 2-hours will be reimbursed.
- Overtime, installation/start-up, normal control adjustments, general maintenance, glass breakage, freight damage, and/or correcting and end-user installation error will not be reimbursed under warranty unless pre-approved with a **Service Work Authorization** from Delfield. You must submit the number with the service claim.

### LABOR OF 1-HOUR IS ALLOWED TO REPLACE:

- Thermostat
- Door Jamb Switch
- Hi-limit/Thermal Protector Switch
- Fan Delay/Defrost Termination Switch
- Compressor Start Components and Overload Protector
- Thermometer
- Contactor/Relay
- Evaporator/Condenser Fan Motor and Blade
- Door Hinges, Locks, and Gaskets
- Condensate Element
- Defrost Timer

### LABOR OF 2 HOURS TO REPLACE:

- Defrost Element
- Pressure Switch
- Locate/Repair Leak

### LABOR OF 3 HOURS TO REPLACE:

- Capillary Tube
- Condenser or Evaporator Coil

### LABOR OF 4 HOURS TO REPLACE

- Compressor

This includes recovery of refrigerant and leak check.

\$35.00 maximum reimbursement for refrigerant recovery (includes recovery machine, pump, torch, oil, flux, minor fittings, solder, brazing rod, nitrogen, or similar fees.)

### REFRIGERANTS

- R134A A maximum of \$5.00/lb. or 31¢/oz. will be reimbursed.
- R404A A maximum of \$12.00/lb. or 75¢/oz. will be reimbursed.

## STANDARD ONE YEAR WARRANTY (ONE YEAR PARTS AND LABOR.)

The Delfield Company ("Delfield") warrants to the Original Purchaser of the Delfield product (herein called the "Unit") that such Unit, and all parts thereof, will be free from defects in material and workmanship under normal use and service for a period of one (1) year from the date of shipment of the Unit to the Original Purchaser **or, if the Original Purchaser returns the warranty card completely filled out including the date of installation within thirty (30) days of receipt of the Unit, one (1) year from the date of installation.** During this one year warranty period, Delfield will repair or replace any defective part or portion thereof returned to Delfield by the Original Purchaser which Delfield determines was defective due to faulty material or workmanship. The Original purchaser will pay all labor, crating, freight and related costs incurred in the removal of the Unit of defective component and shipment to Delfield, except that during a period of either ninety (90) days from the date of shipment of the Unit to the Original Purchaser or, if the Original Purchaser returns the warranty card completely filled out including the date of installation within thirty (30) days of receipt of the Unit, ninety (90) days from the date of installation Delfield will pay all related labor costs. Delfield will pay the return costs if the Unit or part thereof was defective.

The term "Original Purchaser" as used herein means that person, firm, association, or corporation for whom the Unit was originally installed.

This warranty does not apply to any Unit or part thereof that has been subjected to misuse, neglect, alteration, or accident, such as accidental damage to the exterior finish, operated contrary to the recommendations specified by Delfield; or repaired or altered by anyone other than Delfield in any way so as to, in Delfield's sole judgement, affect its quality or efficiency. This warranty does not apply to any Unit that has been moved from the location where it was originally installed. This warranty also does not cover the refrigerator drier or the light bulbs used in the Unit. **The warranty is subject to the user's normal maintenance and care responsibility as set forth in the Service and Installation Manual, such as cleaning the condenser coil, and is in lieu of all other obligations of Delfield. Delfield neither assumes, nor authorizes any other person to assume for Delfield, any other liability in connection with Delfield's products.**

Removal or defacement of the original Serial Number or Model Number from any Unit shall be deemed to release Delfield from all obligations hereunder or any other obligations, express or implied.

Parts furnished by suppliers to Delfield are guaranteed by Delfield only to the extent of the original manufacturer's express warranty to Delfield. Failure of the Original Purchaser to receive such manufacturer's express warranty to Delfield. Failure of the Original Purchaser to receive such manufacturer's warranty shall in no way create any warranty, expressed or implied, or any other obligation or liability on Delfield's part in respect thereof.

**IF THE CUSTOMER IS USING A PART THAT RESULTS IN A VOIDED WARRANTY AND A DELFIELD AUTHORIZED REPRESENTATIVE TRAVELS TO THE INSTALLATION ADDRESS TO PERFORM WARRANTY SERVICE, THE SERVICE REPRESENTATIVE WILL ADVISE CUSTOMER THE WARRANTY IS VOID. SUCH SERVICE CALLS WILL BE BILLED TO CUSTOMER AT THE AUTHORIZED SERVICE CENTER'S THEN APPLICABLE TIME AND MATERIALS RATES. CONSIDER: CUSTOMER MAY INITIATE A SERVICE AGREEMENT WITHOUT PARTS COVERAGE.**

If shipment of a replacement part is requested prior to the arrival in the Delfield factory of the part claimed to be defective, the Original Purchaser must accept delivery of the replacement part of a C.O.D.

basis, with credit being issued after the part has been received and inspected at Delfield's plant and determined by Delfield to be within this warranty.

Under no condition does this warranty give the Original Purchaser the right to replace the defective Unit with a complete Unit of the same manufacturer or of another make. Unless authorized by Delfield in writing, this warranty does not permit the replacement of any part, including the motor-compressor, to be made with the part of another make or manufacturer.

No claims can be made under this warranty for spoilage of any products for any reason, including system failure.

The installation contractor shall be responsible for building access, entrance and field conditions to insure sufficient clearance to allow any hood(s), vent(s), or Unit(s) if necessary, to be brought into the building. Delfield will not be responsible for structural changes or damages incurred during installation of the Unit or any exhaust system.

Delfield shall not be liable in any manner for any default or delay in performance hereunder caused by or resulting from any contingency beyond Delfield's control, including, but not limited to, war, governmental restrictions or restraints, strike, lockouts, injunctions, fire, flood, acts of nature, short or reduced supply of raw materials, or discontinuance of the parts by the original part manufacturer.

**Except as provided in any Additional Service Labor Contract, if applicable, the foregoing is exclusive and in lieu of all other warranties, whether written or oral, express or implied. This warranty supersedes and excludes any prior oral or written representations or warranties. Delfield expressly disclaims any implied warranties of merchantability, fitness for a particular purpose of compliance with any law, treaty, rule or regulation relating to the discharge of substances into the environment. The sole and exclusive remedies of any person relating to the Unit, and the full liability of Delfield for any breach of this warranty, will be as provided in this warranty.**

Other than this Delfield Standard One Year Limited Warranty, any applicable Delfield Additional Four Year Protection Plan or applicable Delfield Service Labor Contract, the Original Purchaser agrees and acknowledges that no other warranties are offered or provided in connection with or for the unit or any other part thereof.

In no event will Delfield be liable for special, incidental or consequential damages, or for damages in the nature of penalties.

**IF DURING THE WARRANTY PERIOD, CUSTOMER USES A PART FOR THIS DELFIELD EQUIPMENT OTHER THAN AN UNMODIFIED NEW OR RECYCLED PART PURCHASED DIRECTLY FROM DELFIELD OR ANY OF ITS AUTHORIZED SERVICE CENTERS AND/OR THE PART BEING USED IS MODIFIED FROM ITS ORIGINAL CONFIGURATION, THIS WARRANTY WILL BE VOID. FURTHER, DELFIELD AND ITS AFFILIATES WILL NOT BE LIABLE FOR ANY CLAIMS DAMAGES OR EXPENSES INCURRED BY THE CUSTOMER WHICH ARISE DIRECTLY OR INDIRECTLY, IN WHOLE OR IN PART, DUE TO THE INSTALLATION OF ANY MODIFIED PART AND/OR PART RECEIVED FROM AN UNAUTHORIZED SERVICE CENTER. If the warranty becomes void, Customer may purchase from Delfield, if available, a Service Agreement or service at the then current time and materials rate.**

For more information on Delfield warranty's log on and check out the service section of our web site at [www.delfield.com](http://www.delfield.com).

## ADDITIONAL FOUR YEAR PROTECTION PLAN (FOR MOTOR-COMPRESSORS ONLY)

In addition to the Standard One Year Warranty on the Motor-Compressor contained in the above listed Delfield product (the "Unit"), The Delfield Company ("Delfield") also agrees to repair, or exchange with similar or interchangeable parts in design and capacity at Delfield's option, the defective Motor-Compressor contained in the Unit (the "Motor-Compressor"), or any part thereof, for the Original Purchaser only, at any time during the four (4) years following the initial one (1) year period commencing on the date of installation for the Original Purchaser. **Failure of the Original Purchaser to register the registration card containing the Original Purchasers name, address, date of installation, model number and serial number of the Unit containing the Motor-Compressor within 30 days from the date of installation shall void this warranty.** This additional warranty is only available if the Motor-Compressor is inoperative due to defects in material or factory workmanship, as determined by Delfield in its sole judgement and discretion. The Original Purchaser shall be responsible for returning the defective Motor-Compressor to Delfield prepaid, F.O.B. at the address shown on the back cover of this manual.

The term "Original Purchaser" as used herein means that person, firm, association, or corporation for whom the Unit was originally installed.

The term "Motor-Compressor" as used herein does not include unit base, air or water cooled condenser, receiver, electrical accessories such as relay, capacitors, refrigerant controls, or condenser fan/motor assembly. This warranty does not cover labor charges incidental to the replacement of parts. This warranty further does not include any equipment to which said condensing unit is connected, such as cooling coils, temperature controls or refrigerant metering devices. This warranty shall be void if the Motor-Compressor, in Delfield's sole judgement, has been subjected to misuse, neglect, alteration or accident, operated contrary to the recommendations specified by the Unit manufacturer, repaired or altered by anyone other than Delfield in any way so as, in Delfield's sole judgment, to affect its quality or efficiency or if the serial number has been altered, defaced or removed. This Warranty does not apply to a Motor-Compressor in any Unit that has been moved from the location where it was originally installed. The addition of methyl chloride to the condensing unit or refrigeration system shall void this warranty.

### General Conditions

Delfield shall not be liable in any manner for any default or delay in performance hereunder caused by or resulting from any contingency beyond Delfield's control, including, but not limited to, war, governmental restrictions or restraints, strike, lockouts, injunctions, fire, flood, acts of nature, short or reduced supply of raw materials, or discontinuance of any part or the Motor-Compressor by the unit manufacturer.

Replacement of a defective Motor-Compressor is limited to one (1) Motor-Compressor by us during the four (4) year period. Delfield shall replace the Motor-Compressor at no charge.

This warranty does not give the Original Purchaser of the Motor-Compressor the right to purchase a complete replacement Motor-Compressor of the same make or of another make. It further does not permit the replacement to be made with a Motor-Compressor of another kind unless authorized by Delfield. In the event Delfield authorizes the Original Purchaser to purchase a replacement Motor-Compressor locally, only the wholesale cost of the Motor-Compressor is refundable.

Expressly excluded from this warranty are damages resulting from spoilage of goods.

**Except as provided in any applicable Standard One Year Limited Warranty or applicable Service Labor Contract, the foregoing is exclusive and in lieu of all other warranties, whether written or oral, express or implied. This Warranty supersedes and excludes any prior oral or written representations or warranties. Delfield expressly disclaims any implied warranties of merchantability, fitness for a particular purpose or compliance with any law, treaty, rule or regulation relating to the Motor-Compressor, and the full liability of Delfield for any breach of this warranty, will be as provided in this warranty.**

Other than any applicable Delfield Standard One year Limited Warranty, this Delfield Additional Four Year Protection Plan and any applicable Delfield Service Labor Contract, the Original Purchaser agrees and acknowledges that no other warranties are offered or provided in connection with or for the Motor-compressor or any part thereof.

In no event will Delfield be liable for special, incidental or consequential damages, or for damages in the nature of penalties.

**NOTES:**

**NOTES:**

**NOTES:**



***Mt. Pleasant, MI***



***Covington, TN***

***Thank you for choosing Delfield!***

Help is a phone call away. Help our team of professional, courteous customer service reps by having your model number and serial number available at the time of your call (800) 733-8829

Model: \_\_\_\_\_ S/N: \_\_\_\_\_

Installation Date: \_\_\_\_\_



**For a list of Delfield's authorized parts depots,  
visit our website at  
[www.delfield.com](http://www.delfield.com)**



980 S. Isabella Rd., Mt. Pleasant, MI 48858, U.S.A. • (989) 773-7981 or (800) 733-8829 • Fax (989) 773-3210 • [www.delfield.com](http://www.delfield.com)  
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