



# Compact Refrigerators & Freezers

## Service and Installation 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.



### 400 Series

Work-top and undercounter refrigerator or freezer bases



### 4000 Series

Undercounter refrigerator or freezer bases



### 4500 Series

Work-top and undercounter freezer bases



CAUTION

IMPORTANT INFORMATION  
READ BEFORE USE  
PLEASE SAVE THESE INSTRUCTIONS!

Effective August 2008

Enodis®

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## Serial Number Location

The serial number on 400 series compact refrigerators and freezers is printed on the right side of the interior back wall.

The serial number on 4000 and 4500 series compact refrigerators and freezers is printed under the top nosing directly above the door when door is in the closed position. Above the right hand door on two and three door models.

Always have the serial number of your unit available when calling for parts or service. A complete list of authorized Delfield parts depots is on [www.delfield.com](http://www.delfield.com).

This manual covers standard units only. If you have a custom unit, consult the customer service department at 1-800-733-8829

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## 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. Check the lower portion of the unit to be sure legs or casters are not bent.
6. Be sure to check the compressor compartment housing and visually inspect the refrigeration package. Be sure lines are secure and base is still intact.
7. Freight carriers can supply the necessary damage forms upon request.
8. Retain all crating material until an inspection has been made or waived.

# Specifications

## Work top refrigerator or freezer bases with stainless steel top & backsplash

Model	Description	L	D	H	Storage Ft. <sup>3</sup>	Shelves Ft. <sup>2</sup>	H.P.	Refg. Charge	Amp	NEMA Plug	Ship Weight
<b>402</b>	refrigerator	27" (68.6cm)	28.5" (72.4cm)	39.5" (100.3cm)	5.7	7.2	1/5	7.0	4.0	5-15P	176lbs (80kg)
<b>403</b>	freezer	27" (68.6cm)	28.5" (72.4cm)	39.5" (100.3cm)	5.7	7.2	1/5	7.0	5.8	5-15P	184lbs (83kg)
<b>ST4048</b>	refrigerator	48" (121.9cm)	28.5" (72.4cm)	39.5" (100.3cm)	11.4	13	1/5	7.0	4.0	5-15P	234lbs (106kg)
<b>ST4148</b>	freezer	48" (121.9cm)	28.5" (72.4cm)	39.5" (100.3cm)	11.4	13	1/3	8.0	6.0	5-15P	242lbs (110kg)

## Undercounter refrigerator or freezer bases with stainless steel top

Model	Description	L	D	H	Storage Ft. <sup>3</sup>	Shelves Ft. <sup>2</sup>	H.P.	Refg. Charge	Amp	NEMA Plug	Ship Weight
<b>406</b>	refrigerator	27" (68.6cm)	28.5" (72.4cm)	35.5" (90.2cm)	5.7	7.2	1/5	7.0	4.0	5-15P	176lbs (80kg)
<b>407</b>	freezer	27" (68.6cm)	28.5" (72.4cm)	35.5" (90.2cm)	5.7	7.2	1/5	7.0	5.8	5-15P	176lbs (80kg)
<b>UC4048</b>	refrigerator	48" (121.9cm)	28.5" (72.4cm)	35.5" (90.2cm)	11.4	13	1/5	7.0	4.0	5-15P	236lbs (107kg)
<b>UC4148</b>	freezer	48" (121.9cm)	28.5" (72.4cm)	35.5" (90.2cm)	11.4	13	1/3	8.0	6.0	5-15P	236lbs (107kg)

## Undercounter refrigerator or freezer with subtop and 3.75" casters

Model	Description	L	D	H	Storage Ft. <sup>3</sup>	Shelves Ft. <sup>2</sup>	H.P.	Refg. Charge	Amp	NEMA Plug	Ship Weight
<b>406-CA</b>	refrigerator	27" (68.6cm)	27.75" (70.5cm)	33.25" (84.5cm)	5.7	7.2	1/5	7.0	4.0	5-15P	168lbs (76kg)
<b>407-CA</b>	freezer	27" (68.6cm)	27.75" (70.5cm)	33.25" (84.5cm)	5.7	7.2	1/5	7.0	5.8	5-15P	168lbs (76kg)

## Flat top freezer bases

Model	Description	L	D	H	Storage Ft. <sup>3</sup>	Shelves Ft. <sup>2</sup>	H.P.	Refg. Charge	Amp	NEMA Plug	Ship Weight
<b>4532N</b>	one door	32" (81.3cm)	31.5" (80.0cm)	36" (91.4cm)	6.9	3.88	1/3	9.0	9.5	5-15P	280lbs (127kg)
<b>D4532N</b>	two drawer	32" (81.3cm)	31.5" (80.0cm)	36" (91.4cm)	2.7	—	1/3+	9.5	12.0	5-15P	315lbs (143kg)
<b>4560N</b>	two door	60" (152.4cm)	31.5" (80.0cm)	36" (91.4cm)	15.7	7.19	1/3+	13.0	12.0	5-15P	340lbs (154kg)

## Work top freezer bases with 4" backsplash

Model	Description	L	D	H	Storage Ft. <sup>3</sup>	Shelves Ft. <sup>2</sup>	H.P.	Refg. Charge	Amp	NEMA Plug	Ship Weight
<b>ST4532N</b>	one door	32" (81.3cm)	31.5" (80.0cm)	36" (91.4cm)	6.9	3.88	1/3	9.0	9.5	5-15P	280lbs (127kg)
<b>STD4532N</b>	two drawer	32" (81.3cm)	31.5" (80.0cm)	36" (91.4cm)	2.7	—	1/3+	9.5	12.0	5-15P	315lbs (143kg)
<b>ST4560N</b>	two door	60" (152.4cm)	31.5" (80.0cm)	36" (91.4cm)	15.7	7.19	1/3+	13.0	12.0	5-15P	340lbs (154kg)

## Undercounter freezers

Model	Description	L	D	H	Storage Ft. <sup>3</sup>	Shelves Ft. <sup>2</sup>	H.P.	Refg. Charge	Amp	NEMA Plug	Ship Weight
<b>UC4532N</b>	one door	32" (81.3cm)	31.5" (80.0cm)	34.25" (87.0cm)	6.9	3.88	1/3	9.0	9.5	5-15P	280lbs (127kg)
<b>UCD4532N</b>	two drawer	32" (81.3cm)	31.5" (80.0cm)	34.25" (87.0cm)	2.7	—	1/3+	9.5	12.0	5-15P	315lbs (143kg)
<b>UC4560N</b>	two door	60" (152.4cm)	31.5" (80.0cm)	34.25" (87.0cm)	15.7	7.19	1/3+	13.0	12.0	5-15P	340lbs (154kg)

## 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. 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.

**Outside cabinet:** Be sure that the unit has access to ample air. On all 400 and 4000 Series equipment, (for 4500 Series equipment door and drawer models see below), a minimum space of 3" (7.6cm) at the back of the unit and 1" (2.5cm) at the top and sides is required to conform to Underwriters Laboratories' standards. On undercounter units it is imperative that the proper air flow be maintained. The refrigeration system is designed so air will flow under the unit, over the compressor/condenser area, and out at the top rear of the unit. Avoid hot corners and locations near stoves and ovens.

**4500 Series equipment door and drawer models:** These units have Delfield's "front-breathing" design. They may be installed flush against a wall or built into a counter as required. **The louver at the floor level must be kept completely clear of any obstructions.** Proper operation of these models is dependent on air being able to flow freely through the front louver. The louver at the back of the unit is not necessary for proper operation, but any air flow through is beneficial.



**Any restriction of the proper air flow outlined above, total or partial, will void the warranty on the unit.**

### Leveling

A level cabinet will perform better because the drain pan will drain properly, the drawers or doors will line up with the frames and the cabinet will not be subject to undue strain.

All four legs are adjustable. Adjust each leg until the unit is stable and level left to right. If necessary adjusting the front legs slightly higher than the rear by about 1/8" (0.3cm) will help the door or drawers remain closed.

If the unit is supplied with casters, no adjustments are available. Ensure the floor where the unit is to be located is level.



**Never stand on the unit or its drawers! Doing so may result in bodily injury. They are not designed to hold the weight of an adult and will collapse if misused in this manner.**

### Stabilizing

Some models are supplied on casters for your convenience, for ease of cleaning underneath and mobility.



**The unit must be installed in a stable condition with the front wheels locked. Locking the front casters after installation is the owner's and operator's responsibility.**

### Plumbing

Self-contained models are standard with a condensate evaporator. If, for some reason, a unit does not have a condensate evaporator, or the evaporator fails, the unit's drain must have an outlet to an appropriate drainage area or container.



**Moisture collecting from improper drainage can create a slippery surface on the floor and a hazard to employees. It is the owner's and operator's responsibility to provide a container or outlet for drainage.**

### 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.

A 7' (2.1 m) long grounded supply cord and plug are provided with standard units. Simply plug the unit in to begin operation.



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

## Caster Installation - 400 & 4000 Series

### 400 & 4000 Series caster installation

1. Carefully place the unit on its back (see illustration at right).
2. Remove legs by unscrewing them in a counter clockwise direction.
3. Located on each end of the compressor channel are 4 hex head screws, for a total of 8 screws. Remove them. 8 additional screws are provided with your casters.
4. Place a locking plate caster over one of the front holes, matching the 4 mounting holes to the pre-drilled holes in the underside of the unit. Insert 4 hex head screws and tighten. Repeat with the other locking front casters.
5. Repeat step 4 with the non-locking casters in the rear of the unit.
6. Carefully lift the unit upright.

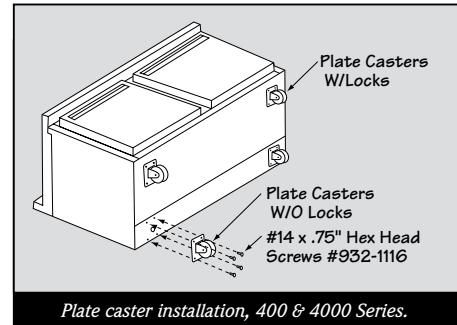


Plate caster installation, 400 &amp; 4000 Series.



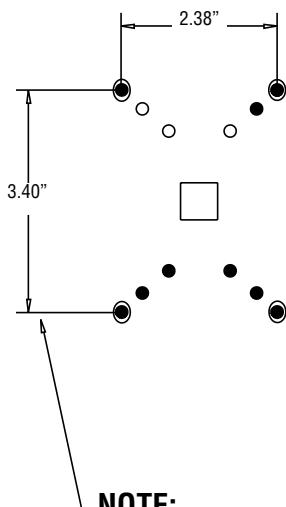
**After installing casters, the unit must stand upright for twenty-four (24) hours before being powered up to assure oil return to the compressor sump.**

**NOTE:** Check parts list for correct caster application.

## Caster/Leg Mounting Detail

### 2", 3" and 5" Caster and Leg Mounting Detail

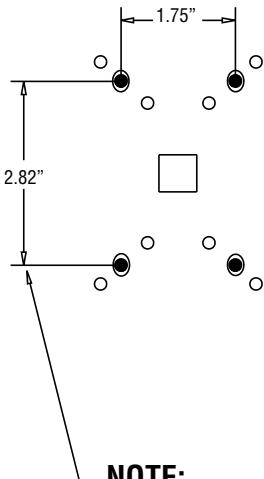
A universal bolt hole pattern is provided on the bottom of the cabinet. It will accommodate any leg or caster. Simply line up the plate holes with the corresponding cabinet holes.



**NOTE:**

If hole pattern on caster/leg matches the one above mount in outer set of holes.

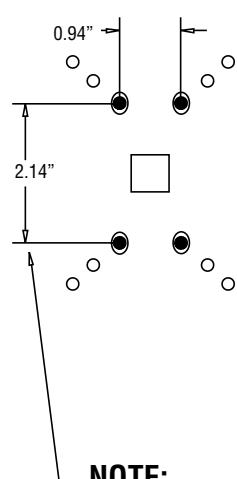
6" Leg - 3234569



**NOTE:**

If hole pattern on caster/leg matches the one above mount in middle set of holes.

3" Caster - 3234024  
5" Caster - 3234161



**NOTE:**

If hole pattern on caster/leg matches the one above mount in inner set of holes.

2" Caster - 3234148

## Operation

After the unit is connected to power it will automatically begin operating. With the doors closed, the temperature of the cabinet should reach 36°F to 40°F (2°C to 4°C) on refrigerators or 0°F (-18°C) on freezers in about one hour.

### Temperature control instruction

**Refrigerators:** A thermostat located in the evaporator housing on interior rear of the unit, controls the temperature in the box. The factory setting for the control is "4" and maintains about 38°F (3°C) in the box. Set toward "1" for higher temperatures

and toward "7" for lower temperatures.

**Freezers:** A thermostat located in the evaporator housing on interior rear of the unit, controls the temperature in the box. The factory setting for the control is "4" and maintains about -3°F (-18°C) in the box. Set toward "1" for higher temperatures and toward "7" for lower temperatures.

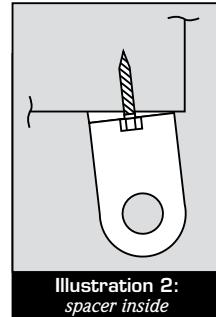
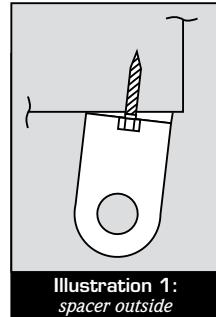
Continuous opening and closing of the doors will hamper the unit's ability to maintain optimum refrigeration temperature.

## Door Maintenance

### Adjusting door hinges

Doors have been adjusted at the factory. If it becomes necessary to adjust a door, follow these instructions:

- 1) If the door needs lowering at the handle, use a 5/16" wrench to loosen the hinge screws and install a spacer outside of the hinge (see illustration 1). Tighten the screws.
- 2) If the door needs to be higher at the handle, use a 5/16" wrench to loosen the hinge screws and install a spacer inside of the hinge (see illustration 2). Tighten the screws.



## Defrosting

### Refrigerators

Refrigerators defrost automatically with every cycle of the compressor. The water generated is routed to a pan on the rear of the unit and is evaporated by the heat given off by the compressor.

### Freezers

When defrost control goes into defrost, power to the condensing unit and evaporator fans is interrupted and the defrost heater is energized. The defrost heater warms the evaporator coil thereby melting all frost accumulated during the previous

refrigeration cycle. Once all frost is eliminated, the temperature of the coil continues to rise until it reaches 27 minutes. The defrost control switches to refrigeration mode. Defrost will initiate every six hours.



Turn the screw **ONLY** in a clockwise direction, turning the screw counter-clockwise will break the cam motor.

# Maintenance



**The thermostat 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 nonabrasive 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 plastic 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 or 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. Semi hermetic models should be loosened before operating.

### BASIC 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.

#### Refrigeration cycle

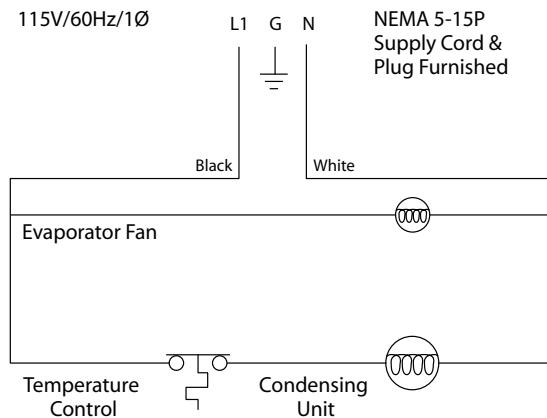
**Refrigerators:** During the refrigeration cycle the evaporator fans will run continuously with the exception of door openings. The door switch will activate the lights when opened and turn power off to the evaporator fan motors.

The temperature control allows for the evaporator coil to clear after each off cycle and before the compressor runs again.

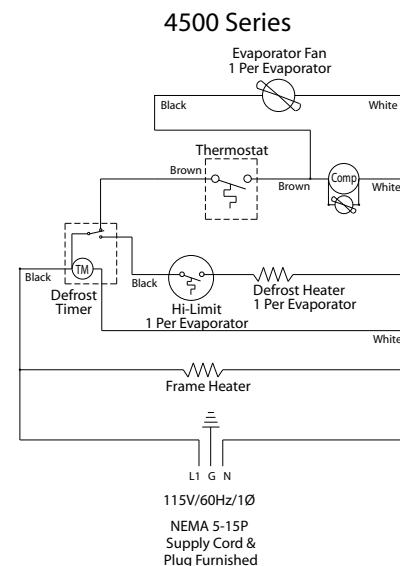
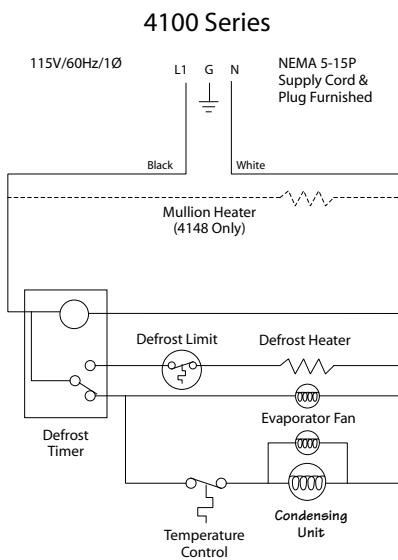
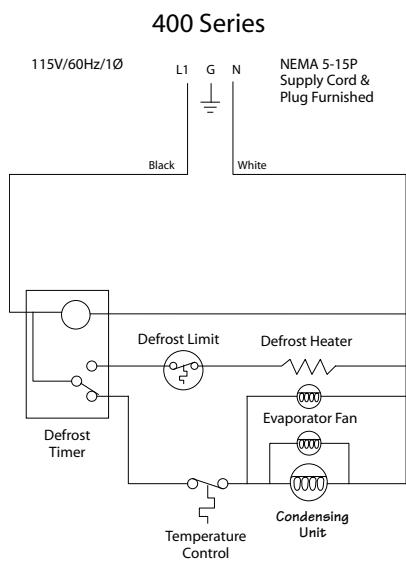
**Freezers:** During the refrigeration cycle the timer supplies power to the temperature control (for power to the condensing unit) and evaporator fan motors. The evaporator fans will run at any time when the compressor is running, they will also cycle off during door openings and during a defrost period. The door switch will activate the lights when opened and turn power off to the evaporator fan motors.

See Defrost Cycle

## Wiring Diagram Refrigerators - 400 and 4000 Series



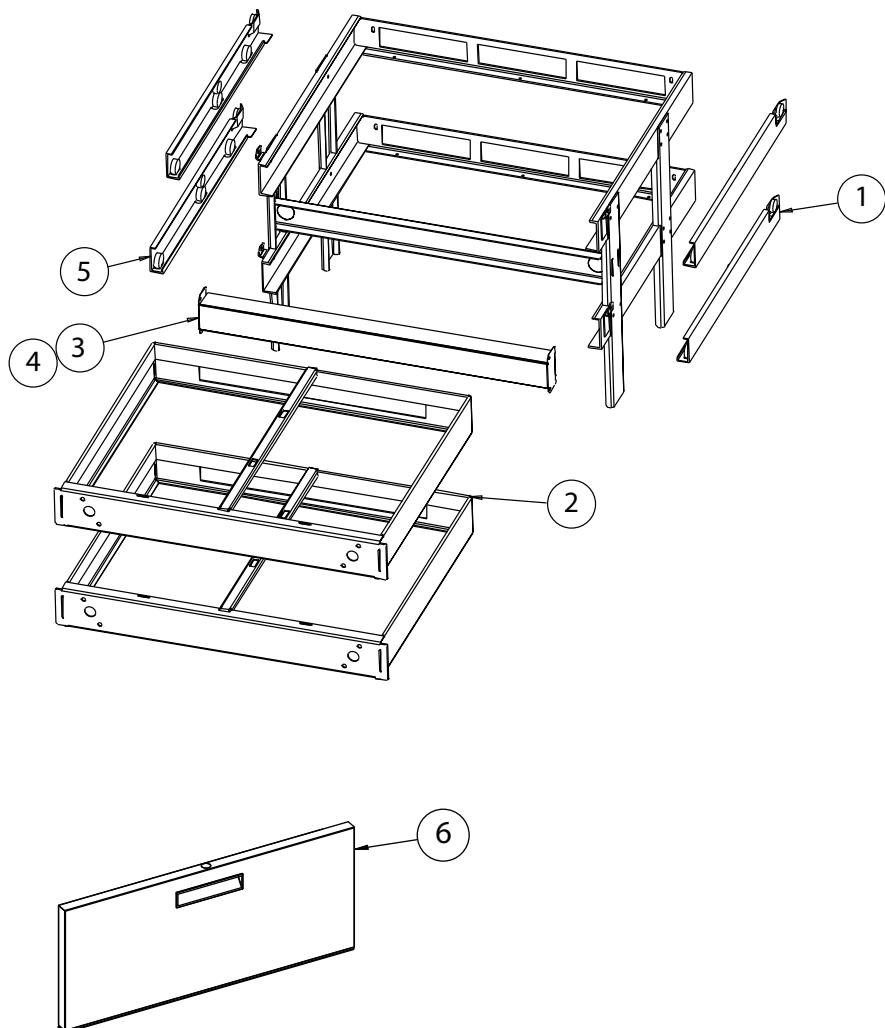
## Wiring Diagram Freezers - 400, 4100 and 4500 Series



## Two Drawer Assembly

D4532N/STD4532N/UCD4532N

Key	Part Description	Part #
	Drawer assembly kit	000-B4Y-0033
1	Interm prof, RH, drawer slide	3234578
2	Drawer box cart system assy.	000-333-003J
3	Drawer mullion assembly	0302174-FRZ
4	Heater, mullion, frz. drawer	2184034
5	Interm prof, RH, drawer slide	3234579
6	Drawer front	000-C16-0033



## Replacement Parts List

4532N/ST4532N/UC4532N		1702562	Door gasket	2162691	Evaporator fan motor
Part #	Description	3516299	Evaporator Coil	3516321	Filter Drier
3234795	2" Caster (UC4532N Only)	3516178	Evaporator fan guard	3978055	Heater guard, 18"
3234148	2" Caster, Brake	2162691	Evaporator fan motor	0420067	Hinge kit (left or right hinged)
3234147	2" Caster, No Brake	0330629	Evaporator pan assy	3978030	Shelf
000-B4X-0036	32" Door, Hinged Right	3516172	Evaporator fan blade	5189779	Shelf clip
000-B4X-0037	32" Door, Hinged Left	3516271	Expansion Valve	3516043	Temperature control
3526938	Compressor	3516321	Filter Drier		
0074143	Condensate evap heater only	RF000066	Hinge kit (left or right hinged)		
0330515	Cond evap pan assy with heater	122-B96-0037	Louvered panel (front)		
3516296	Condenser Coil	3978162	Shelf		
2162681	Condenser Fan Blade	2194532	Temperature Control		
2162667	Condenser Motor				
2194687	Defrost Heater				
3516156	Defrost Timer				
1702475	Door Gasket	3234025	3" Caster, brake	000-B3I-0035	24" Door, left hand
0330629	Evaporator Pan Assembly	3234024	3" Caster, no brake	000-B3I-0034	24" Door, right hand
3516299	Evaporator Coil	3234160	5" Caster, no brake	0074057	Capillary tube (.044 id x 144")
3516172	Evaporator Fan Blade	3234161	5" Caster, brake	3526997	Compressor
3516178	Evaporator Fan Guard	3234791	6" Leg	3516446	Compressor relay
2162691	Evaporator Fan Motor	000-B3I-0031	27" Door, left hand	2194787	Compressor start capacitor
3516271	Expansion Valve	000-B3I-0030	27" Door, right hand	0053452	Condensate evap heater only
3516321	Filter Dryer	0074057	Capillary tube (.044 id x 144")	0330154	Cond evap pan assy with heater
RF000066	Hinge Kit (Left or Right Hinged)	3526997	Compressor	3516275	Condenser coil
0077308	Louvered Panel (Front)	3516446	Compressor relay	3516172	Condenser fan blade
3978163	Shelf	2194787	Compressor start capacitor	3516173	Condenser fan guard
2194532	Temperature Control	0053452	Condensate evap heater only	2162691	Condenser fan motor
		0330154	Cond evap pan assy with heater	1702622	Door gasket
		3516275	Condenser coil	3516116	Evaporator coil
		3516172	Condenser fan blade	3516172	Evaporator fan blade
		2162691	Condenser fan motor	3516173	Evaporator fan guard
		1702623	Door gasket	2162691	Evaporator fan motor
		3516116	Evaporator coil	3516321	Filter drier
		3516172	Evaporator fan blade	0420067	Hinge kit (left or right hinged)
		2162691	Evaporator fan motor	3978033	Shelf
		3516321	Filter drier	2194759KT	Temperature control
		000-B3I-0031	Hinge kit (left or right hinged)		(Includes control, knob and dial plate)
		000-B3I-0030	27" Door, left hand	2194761	Temperature control knob
		0074058	27" Door, right hand		
		3526998	Capillary tube (.036 id x 168")		
		3516276	Compressor		
		3516172	Compressor relay		
		2162691	Compressor start capacitor		
		3516156	Condensate evap heater only		
		1702622	Cond evap pan assy with heater		
		3516153	Condenser coil		
		2162691	Condenser fan blade		
		3516172	Condenser fan motor		
		2194644	Door gasket		
		3517356	Defrost heater		
		3516173	Defrost timer		
		3516173	Evaporator coil		
		3516173	Evaporator fan guard		
		2162691	Evaporator fan motor		
		3516321	Filter drier		
		3978055	Heater guard, 18"		
		0420067	Hinge kit (left or right hinged)		
		3978033	Shelf		
		3516043	Temperature control		
4532N/ST4532N/UC4532N		402/406/406CA		ST4048/UC4048	
Part #	Description	Part #	Description	Part #	Description
000-C16-0033	32" Drawer front	3234025	3" Caster, brake	3234025	3" Caster, brake
3234795	2" Caster (UC4532N Only)	3234024	3" Caster, no brake	3234024	3" Caster, no brake
3234148	2" Caster, Brake	3234160	5" Caster, no brake	3234160	5" Caster, no brake
3234147	2" Caster, No Brake	3234161	5" Caster, brake	3234161	5" Caster, brake
3526896	Compressor	3234791	6" Leg	3234791	6" Leg
0074143	Condensate evap heater only	000-B3I-0031	27" Door, left hand	000-B3I-0035	24" Door, left hand
0330515	Cond evap pan assy with heater	0420067	Hinge kit (left or right hinged)	000-B3I-0034	24" Door, right hand
3516297	Condenser Coil	3978030	Shelf	3234791	6" Leg
2162681	Condenser Fan Blade	5189779	Shelf clip	0074057	Capillary tube (.044 id x 144")
2162667	Condenser Motor	2194759KT	Temperature control	3526998	Compressor
2164687	Defrost Heater		(Includes control, knob and dial plate)	158-B4Z-0034	Condensate evap heater only
3516156	Defrost Timer	2194761	Temperature control knob	0330154T	Cond evap pan assy with heater
1702522	Drawer Gasket			3516276	Condenser coil
3516299	Evaporator Coil			3516172	Condenser fan blade
3516172	Evaporator Fan Blade			2162691	Condenser fan motor
3516178	Evaporator Fan Guard	3234025	3" Caster, brake	2194644	Door gasket
2162691	Evaporator Fan Motor	3234024	3" Caster, no brake	3516156	Defrost heater
0330629	Evaporator Pan Assembly	3234160	5" Caster, no brake	1702622	Defrost timer
3516271	Expansion valve	3234161	5" Caster, brake	3516153	Evaporator coil
3516321	Filter Dryer	3234791	6" Leg	3517356	Evaporator fan blade
0077308	Louvered Panel (Front)	000-B3I-0031	27" Door, left hand	3516173	Evaporator fan guard
2194532	Temperature Control	000-B3I-0030	27" Door, right hand	2162691	Evaporator fan motor
		0074058	Capillary tube (.036 id x 168")	3516321	Filter drier
		3526998	Compressor	3978055	Heater guard, 18"
		3516276	Compressor relay	0420067	Hinge kit (left or right hinged)
		3516172	Compressor start capacitor	3978033	Shelf
		2162691	Condensate evap heater only	3516043	Temperature control
4560N/ST4560N/UC4560N		403/407/407CA		ST4148/UC4148	
Part #	Description	Part #	Description	Part #	Description
3234795	2" Caster (UC4560N Only)	3234025	3" Caster, brake	3234025	3" Caster, brake
3234147	2" Caster, No Brake	3234024	3" Caster, no brake	3234024	3" Caster, no brake
3234148	2" Caster, Brake	3234160	5" Caster, no brake	3234160	5" Caster, no brake
000-B4X-0035	30" Door, hinged left	3234161	5" Caster, brake	3234161	5" Caster, brake
000-B4X-0034	30" Door, hinged right	3234791	6" Leg	3234791	6" Leg
3526896	Compressor	000-B3I-0031	27" Door, left hand	000-B3I-0035	24" Door, left hand
3516297	Condensor coil	000-B3I-0030	27" Door, right hand	000-B3I-0034	24" Door, right hand
2162681	Condensor fan blade	0074058	Capillary tube (.036 id x 168")	3234791	6" Leg
2162667	Condensor fan motor	3526996	Compressor	0074058	Capillary tube (.036 id x 168")
0074149	Condensate evap heater only	3516446	Compressor relay	3526998	Compressor
0330580	Cond evap pan assy with heater	2194787	Compressor start capacitor	158-B4Z-0034	Condensate evap heater only
2194687	Defrost Heater	158-B4Z-0034	Condensate evap heater only	0330154T	Cond evap pan assy with heater
3516156	Defrost Timer	0330154T	Cond evap pan assy with heater	3516276	Condenser coil
		2162675	Condenser coil	3516172	Condenser fan blade
		2194744	Condenser fan blade	2162691	Condenser fan motor
		3516156	Door gasket	2194644	Door gasket
		1702623	Door gasket	3516156	Defrost heater
		3516418	Evaporator Coil	3516153	Defrost timer
		3516418	Evaporator fan blade	3517356	Evaporator fan blade
		3517356	Evaporator fan blade	3516173	Evaporator fan guard
		3516173	Evaporator fan guard	2162691	Evaporator fan motor
		3516173	Evaporator fan guard	3516321	Filter drier
		3516173	Evaporator fan guard	3978055	Heater guard, 18"
		3516043	Temperature control	0420067	Hinge kit (left or right hinged)
		3516043	Temperature control	3978033	Shelf
		3516043	Temperature control	3516043	Temperature control



## 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
- Infinite Switch
- Door Jam Switch
- Solenoid Coil
- Hi-limit/Thermal Protector Switch
- Fan Delay/Defrost Termination Switch
- Compressor Start Components and Overload Protector
- Defrost Timer
- Thermometer
- Gear Box
- Contractor/Relay
- Transformer
- Evaporator/Condenser Fan Motor and Blade
- Circulating Fan Motor and Blade
- Microprocessor Control
- Water Level Sensor/Probe
- Door Hinges, Locks, and Gaskets
- Condensate Element
- Springs/Lowerator

### Labor Of 2 Hours To Replace:

- Drawer Tracks/Cartridges
- Pressure Control
- Solenoid Valve
- Defrost Element
- Heating Element
- Locate/Repair Leak

### Labor Of 3 Hours To Replace:

- EPR or CPR Valve
- Expansion Valve
- Condenser or Evaporator Coil

### Labor Of 4 Hours To Replace:

- Compressor

This includes recovery of refrigerant and leak check.

\$55.00 maximum reimbursement for refrigerant recovery (includes recovery machine, pump, torch, oil, flux, minor fittings, solder, brazing rod, nitrogen, or similar fees.)

### Refrigerants:

- R22 A maximum of \$4.00/lb. or 25¢/oz. will be reimbursed.
- R134A A maximum of \$5.00/lb. or 31¢/oz. will be reimbursed.
- R404A A maximum of \$15.00/lb. or \$1.00/oz. will be reimbursed.

## Manufacturers Limited Lifetime Warranty

Delfield warrants to the original purchaser-user, subject to the limitations and exclusions set forth below, that the ABS interior of the Delfield models identified above will be free of manufactured defects for as long as the equipment is owned by the original purchaser-user and is in operation.

### What is covered.

The interior liner of the Vantage 6000 Series™ Reach In or 400/4000/4400/4500 Series prep tables, is covered against manufactured defects under normal use. For purposes of this Warranty, interior liner is defined as the portion of the interior liner which is made of ABS material. This warranty applies only to products sold and installed after March 1, 2000 in the United States, Canada, Puerto Rico, and Mexico. For purposes of this warranty, lifetime is defined as the expected usable life for the equipment of 12 years.

### Delfield's Obligation

Limited strictly to shipping OEM replacement parts or repair kits for any covered ABS interior. A Delfield authorized service dealer and Delfield's Service Department must confirm the liner defect has occurred under normal conditions and is not due to misuse as defined below. All decisions regarding the ABS interior shall be made by Delfield's Service Department and shall be binding upon the parties. No labor or service charges or allowances are covered by this warranty. Warranty service must be performed by a Delfield approved authorized service agent.

### User Responsibility

The product must be installed, cleaned and maintained as described in the Service and Installation manual which is furnished with the product. Only approved replacement parts may be used. Failure to adhere to the requirements of this paragraph may void warranty coverage.

### Procedures

All claims for replacement parts or repair kits must be made through a Delfield Parts Depot or an authorized Delfield dealer. The defective part invoice must be returned to Delfield within 15 days after the date of service to be eligible for warranty coverage. All claims must include the model number, serial number, an original date of installation and customer identification. Use of parts other than original Delfield replacement parts will not be covered.

### Exclusions

This warranty does not cover labor, service, charges for travel time, mileage, or premium charges. This warranty also does not include defects resulting from:

- Operation of the product beyond the specification set forth in the Service and Installation Manual.
- Failure to clean and maintain the product as described in the Service and Installation Manual.

Installation of the product in a manner other than as set forth in the Service and Installation.

- Use of installation of replacement parts not approved by Delfield; or
- The introduction hot items directly onto the ABS liner.

**This warranty is in lieu of all other warranties or guarantees of any kind, express or implied, except Delfield's One Year Parts and 90-Day Labor Warranty 400/4000/4400/4500 Series. ANY IMPLIED WARRANTIES OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED AND EXCLUDED. IN NO EVENT SHALL DELFIELD BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND OR NATURE, OR FOR ANY DEFECT RESULTING IN WHOLE OR IN PART FROM MISUSE, ALTERATION, IMPROPER INSTALLATION OR INADEQUATE MAINTENANCE OF THE PRODUCT OR ANY PART THEREOF.**

No part or assembly which has been subject to accident, alteration or misuse, or which has not been installed or serviced in accordance with the Operation Manual furnished with the product, or which is from equipment on which the serial number has been altered or removed, shall be covered by this warranty.

## Standard One Year Warranty (One year parts, 90 days 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 manufacturers 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 Four Year Protection Plan, if applicable, and the 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 or 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).

## 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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