







ARCH Series

Self-Contained Cold-Wall Bunker with Lids



If the information in these instructions are not followed exactly, a fire or explosion may result, causing property damage, personal injury or death.

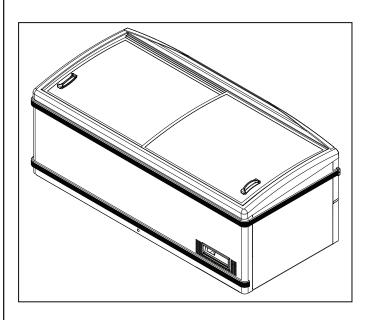
Installation and service must be performed by a qualified installer or service agency.

READ THE ENTIRE MANUAL BEFORE INSTALLING OR USING THIS EQUIPMENT.

The unit uses R-290 gas as the refrigerant. R-290 is flammable and heavier than air. It collects first in low areas but can be circulated by the fans. If propane gas is present or even suspected, do not allow untrained personnel to attempt to find the cause. The propane gas used in the unit has no odor. The lack of smell does not indicate a lack of escaped gas. If a leak is detected, immediately evacuate all persons from the store, and contact the local fire department to advise them that a propane leak has occurred. Do not let any persons back into the store until the qualified service technician has arrived and that technician advises that it is safe to return to the store. No open flames, cigarettes or other possible sources of ignition should be used inside or in the vicinity of the units.

FAILURE TO ABIDE BY THIS WARNING COULD RESULT IN AN EXPLOSION, DEATH, INJURY AND PROPERTY DAMAGE.

IMPORTANT
Keep in store for future reference!



Installation & Operation Manual

P/N 3116321_D May 2023

> French 3122354 Spanish 3165409



BEFORE YOU BEGIN

Read these instructions completely and carefully.



PERSONAL PROTECTION EQUIPMENT (PPE)

Personal Protection Equipment (PPE) is required whenever installing or servicing this equipment. Always wear safety glasses, gloves, protective boots or shoes, long pants, and a long-sleeve shirt as required when installing or servicing this equipment.











This refrigeration system uses hot gas defrost and incorporates a Normal Closed Solenoid. In order to remove all the refrigerant for service, the valve must be held open while the refrigerant is being evacuated. Failure to remove all the refrigerant can cause a fire or explosion.

- 1. If the information in these instructions are not followed exactly, a fire or explosion may result, causing property damage, personal injury or death.
- 2. Installation and service must be performed by a qualified installer or service agency.
- 3. This unit is designed only for use with R-290 gas as the designated refrigerant.

THE REFRIGERANT LOOP IS SEALED. ONLY A QUALIFIED TECHNICIAN SHOULD ATTEMPT TO SERVICE!

- Propane is flammable and heavier than air.
- It collects first in the low areas but can be circulated by the fans.
- If R-290 is present or even suspected, do not allow untrained personnel to attempt to find the cause.
- The propane gas used in the unit has no odor.
- The lack of smell does not indicate a lack of escaped gas.
- If a leak is detected, immediately evacuate all persons from the store, and contact the local fire department to advise them that a propane leak has occurred.
- Do not let any persons back into the store until the qualified service technician has arrived and that technician advises that it is safe to return to the store.
- A hand-held propane leak detector ("sniffer") shall be used before any repair and/or maintenance.
- No open flames, cigarettes or other possible sources of ignition should be used inside the building where the units are located until the qualified service technician and/or local fire department determines that all propane has been cleared from the area and from the refrigeration systems.
- Component parts are designed for propane and non-incendive and non-sparking. Component parts shall only be replaced with identical repair parts.

FAILURE TO ABIDE BY THIS WARNING COULD RESULT IN AN EXPLOSION, DEATH, INJURY AND PROPERTY DAMAGE.

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SAFETY

This manual was written in accordance with originally prescribed equipment that is subject to change. Hussmann reserves the right to change or revise specifications and product design in connection with any feature of our products.

Only qualified personnel should install and service this equipment. Servicing is only to be done by factory authorized personnel. Observe all precautions on tags, stickers, labels and literature attached to this equipment. Component parts shall be replaced with like components. Service is to be performed by factory-authorized service personnel, so as to minimize the risk of possible ignition due to incorrect parts or improper service. Contact your Hussmann representative to arrange servicing.

The safety of our customers and employees is paramount. The precautions and procedures described in this manual are intended as general methods for safe use of this equipment. Please be sure to comply with the precautions described in this manual to protect you and others from possible harm, and follow OSHA standards for safety.

The definitions at right are used to clarify the magnitude and urgency of harm and damage, considering problems arising from misuse. Relative to their potential danger, the definitions are divided into four parts according to ANSI Z535 Series.

ANSI Z535.5 DEFINITIONS



• **DANGER** – Indicate[s] a hazardous situation which, if not avoided, will result in death or serious injury.



• WARNING – Indicate[s] a hazardous situation which, if not avoided, could result in death or serious injury.



• **CAUTION** – Indicate[s] a hazardous situation which, if not avoided, could result in minor or moderate injury.

• **NOTICE** – *Not related to personal injury* – Indicates[s] situations, which if not avoided, could result in damage to equipment.

REVISION HISTORY

REVISION D — Updated Hot Gas Piping Layout, Page 2-5 **REVISION C** — Updated Medium Temp. Mode, Page 3-5

REVISION B — ORIGINAL RELEASE





This warning does not mean that Hussmann products will cause cancer or reproductive harm, or is in violation of any product-safety standards or requirements. As clarified by the California State government, Proposition 65 can be considered more of a 'right to know' law than a pure product safety law. When used as designed, Hussmann believes that our products are not harmful. We provide the Proposition 65 warning to stay in compliance with California State law. It is your responsibility to provide accurate Proposition 65 warning labels to your customers when necessary. For more information on Proposition 65, please visit the California State government website.

INSTALLATION

UL LISTING

These merchandisers are manufactured to meet ANSI/ UL 471 standard requirements for safety. Proper installation is required to maintain the listing.

FEDERAL / STATE REGULATION

These merchandisers at the time they are manufactured, meet all federal and state/provincial regulations. Proper installation is required to ensure these standards are maintained. Near the serial plate, each merchandiser carries a label identifying the environment for which the merchandiser was designed for use. These cases meet Type 1 & Type II conditions.

ANSI/NSF-7 Type I – Display Refrigerator / Freezer Intended for 75 $^{\circ}$ F (24 $^{\circ}$ C) / 55 $^{\circ}$ RH Ambient Application

ANSI/NSF-7 Type II – Display Refrigerator / Freezer Intended for 80°F / 55%RH Ambient Application

ANSI/NSF-7 – Display Refrigerator

Environmental Concerns

If disposing of this equipment at end of useful life-cycle, consult with local authorities for proper disposal of merchandiser parts that are foamed using cyclopentane as the blowing agent.

HUSSMANN PRODUCT CONTROL

The serial number and shipping date of all equipment is recorded in Hussmann's files for warranty and replacement part purposes. All correspondence pertaining to warranty or parts ordering must include the serial number of each piece of equipment involved. This is to ensure the customer is provided with the correct parts.

SHIPPING DAMAGE

All equipment should be thoroughly examined for shipping damage before and during unloading. This equipment has been carefully inspected at our factory. Any claim for loss or damage must be made to the carrier. The carrier will provide any necessary inspection reports and/or claim forms.

Apparent Loss or Damage

If there is an obvious loss or damage, it must be noted on the freight bill or express receipt and signed by the carrier's agent; otherwise, carrier may refuse claim. Do not under any circumstances connect a damaged cabinet to the electric circuit. Otherwise, there is the risk of electric shock or refrigerant leakage!

Concealed Loss or Damage

When loss or damage is not apparent until after equipment is uncrated, retain all packing materials and submit a written response to the carrier for inspection within 15 days.

LOCATION

These merchandisers are designed for displaying products in air conditioned stores where temperature is maintained at or below the ANSI / NSF-7 specified level and relative humidity is maintained at or below 55%.

Recommended operating ambient temperature is between 65°F (18°C) to 80°F (26.7°C). Maximum relative humidity is 55%.

LOCATION (CONTINUED)

Placing refrigerated merchandisers in direct sunlight, near hot tables or near other heat sources could impair their efficiency. Like other merchandisers, these merchandisers are sensitive to air disturbances. Air currents passing around merchandisers will seriously impair their operation.

Do NOT allow air conditioning, electric fans, open doors or windows, etc. to create air currents around the merchandiser. For the equipment's proper installation, check if it is placed on an even surface and not near sources of heat and/or direct solar radiation or near doors, windows, fans, and vents.



Maintain a minimum 150 mm or 5.9 inches at rear of case.





SELF CONTAINED (LOCATION)

Product should always be maintained at proper temperature. This means that from the time the product is received, through storage, preparation and display, the temperature of the product must be controlled to maximize the life of the product. In humid environments with a large concentration of salt, like fish markets, be sure water does not come directly into contact with the compressor area.

BE SURE TO POSITION SELF CONTAINED MERCHANDISERS PROPERLY.

SELF CONTAINED models have vented base panels to allow air circulation through the condensing unit. These panels are located around the condensing unit.

Allow for a minimum 150 mm or 5.9 inches of clearance from walls, merchandisers, and any other large objects near the merchandiser's vented base panels at the rear of the case(s). The equipment must be placed in a well-ventilated area. Blocking or restricting air flow will adversely affect performance and may damage the refrigeration system.

MODEL DESCRIPTION

These models are island, spot display cases. Each self-contained model has its own condensing unit, factory installed beneath the display area of the case ready for operation when electrical service is connected. P/N 3116321_D 1-3

UNLOADING

Unloading from Trailer:

Each merchandiser is shipped within a crate intended to protect it and allow it to be easily moved. Please DO NOT remove the merchandiser from the crate until it is as close as possible to its permanent location.

To remove the crate from the trailer, use a lever bar (also known as a Mule, Johnson Bar, J-bar, Lever Dolly, or Pry Lever), forklift, or dolly.

DO NOT drag the crate. Move the crate near the final merchandiser setup location.

To remove the merchandiser from the crate, remove all braces, the top, and sides. Lift the merchandiser off of the base skid.

DO NOT lay the merchandiser on its side or back to remove it from the crate. Use care to not damage the merchandiser during this process. Once the shipping skid is removed, the merchandiser must be lifted — NOT PUSHED.



Do NOT remove shipping skid until the merchandiser is positioned for installation.

MERCHANDISER LEVELING

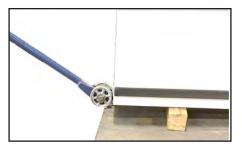
BE SURE TO POSITION MERCHANDISERS PROPERLY. Check floor where cases are to be set to see if it is a level area. Determine the highest part of the floor. Level the merchandiser by all four corners. Merchandiser(s) must be installed level to ensure proper operation of the refrigeration system and to ensure proper drainage of defrost water.

ADJUSTABLE LEG LEVELERS

Leg with levelers are provided with the case. A wood block can be used to raise the case in order to lower the feet.

Installation of mounting legs with levelers:

1. Use a J bar to lift the case and install a block of wood to provide clearance to install the legs.



2. Install the legs, and secure with self tapping screws. Use machine screws on the condensing unit compartment to avoid sharp points.



3. Screw in the leveling legs and adjust to provide a level case.





Island Self Contained R-290

1-4 INSTALLATION

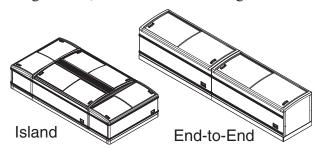
SERIAL PLATE LOCATION

The serial plate is located on the back of the unit near refrigeration system.



CASE LINEUPS

The merchandiser can be setup standalone. in an end-to-end lineup, a back-to-back configuration, or in an island configuration.

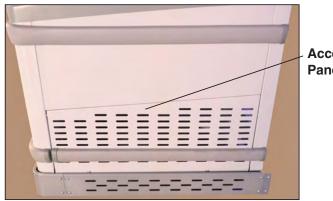


For cases in an end-to-end adjacent lineup, use bracket below to connect and join kickguards.



REFRIGERATION UNIT ACCESS

Remove side panel screws to gain access to the condensing unit. Check inside this panel to make sure all electrical wiring is secured, and that there is no damage to the unit from shipment or placement. Confirm there are no refrigerant leaks during startup of the case(s).

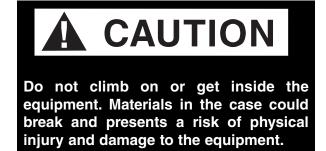


Access Panel

SEALING MERCHANDISER TO FLOOR

If required by local sanitary codes, or if the customer desires, merchandisers may be sealed to the floor. The size needed will depend on how much variation there is in the floor, from one end of the merchandiser to the other. Sealing of the lower front and rear panels on self contained models may hamper their removal for servicing or maintenance of the condensing unit.

NOTE: Do not allow trim to cover any intake or discharge grilles located in the lower front panel.



ELECTRICAL / REFRIGERATION

MERCHANDISER ELECTRICAL DATA

Refer to the technical data sheets and case serial plate for electrical information.

FIELD WIRING

Field wiring must be sized for component amperes stamped on the serial plate. Actual ampere draw may be less than specified.

ALWAYS CHECK THE SERIAL PLATE FOR COMPONENT AMPERES

ELECTRICAL CONNECTIONS

All wiring must be in compliance with NEC and local codes.

ELECTRICAL OUTLET:

Before the merchandiser is connected to any wall circuit, use a voltmeter to check that the outlet is at 100% of the rated voltage. The wall circuit must be dedicated for the merchandiser. Failure to do so voids the warranty. Do not use an extension cord. Never plug in more than one merchandiser per electrical circuit.

- Always use a dedicated circuit with the amperage stated on the unit.
- Plug into an outlet designed for the plug.
- Do not overload the circuit
- Do not use long or thin extension cords. Never use adapters.
- If in doubt, call an electrician.



NEMA 5-15P Plug

Self-contained models have factory-installed power cords attached at the electrical box. If the power cord is damaged, it must be replaced by personnel qualified for this task to prevent hazardous situations.



Merchandiser must be grounded.

Do not remove the power supply cord ground.



Risk of Electric Shock. If cord or plug becomes damaged, replace only with a cord and plug of the same type.

REFRIGERATION

Each model is equipped with its own condensing unit and control panel located underneath the display area behind the vented panels. The correct type of refrigerant will be stamped on each merchandiser's serial plate. The merchandiser refrigeration piping is leak tested.

Before Beginning Any Service or Repair:

Use a hand-held propane leak detector ("sniffer") to ensure no propane is present in the immediate area, the inside of the display case and the inside of the refrigeration system. R-290 is an odorless refrigerant. Keep the area clear of all customers and non-essential or unauthorized personnel.

Verify that all repair parts are identical models to the ones they are replacing. Do not substitute parts such as motors, switches, relays, heaters, compressors, power supplies or solenoids. Failure to do so can result in an explosion, death, injury and property damage. Parts used on hydrocarbon cases must meet specific UL certification for non-incendive or non-sparking components. Use only Hussmann approved parts approved through the Hussmann Performance Parts Website. https://parts.hussmann.com/ See Appendix for parts list.

Brazing must not begin before all propane has been cleared from the immediate area — the inside of the displays case and the inside of the refrigeration system.

A WARNING

Only Hussmann or factory trained technicians should service or repair this R-290 (propane) equipment.

Failure to follow instructions can result in an explosion, death, injury and property damage.

A WARNING

This refrigeration system uses hot gas defrost and incorporates a Normal Closed Solenoid. In order to remove all the refrigerant for service, the valve must be held open while the refrigerant is being evacuated. Failure to remove all the refrigerant can cause a fire or explosion.

A WARNING

Refrigeration lines are under pressure. Refrigerant must be recovered before attempting any connection or repair.

If a leak is detected, follow store safety procedures. It is the store's responsibility to have a written safety procedure in place. The safety procedure must comply with all applicable codes such as local fire department's codes.

At minimum, the following actions are required:

- Immediately evacuate all persons from the store, and contact the local fire department to advise them that a propane leak has occurred.
- Call Hussmann and/or a qualified service agent and inform them that a propane sensor has detected the presence of propane.
- Do not let any persons back into the store until the qualified service technician has arrived and that technician advises that it is safe to return to the store.

- The propane gas used in the unit has no odor. The lack of smell does not indicate a lack of escaped gas.
- A hand-held propane leak detector ("sniffer") should be used before any repair and/ or maintenance is attempted. All repair parts must be identical models to the ones they are replacing.
- No open flames, cigarettes or other possible sources of ignition should be used inside the building where the units are located until the qualified service technician and/or local fire department determines that all propane has been cleared from the area and from the refrigeration systems.

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REPLACING REFRIGERATION SYSTEM COMPONENTS

A DANGER

Only Hussmann service technicians or technicians qualified to handle R-290 (propane) refrigerant should service or repair this R-290 (propane) equipment Failure to follow instructions can result in an explosion, death, injury and property damage.

STEPS TO RECOVER REFRIGERANT

- 1. Make sure you are in a well ventilated area before making any service or repair to the refrigeration system.
- 2. Disconnect all power sources from the system. Some systems may have more than one plug or power supply.
- 3. Tap system with line tap valves, attaching gauges to the high and low sides of the system.



refrigeration line tapping valve

4. Connect hose to an evacuated recovery tank. Open refrigeration gauges and recovery tank.

A WARNING

This refrigeration system uses hot gas defrost and incorporates a Normal Closed Solenoid. In order to remove all the refrigerant for service, the valve must be held open while the refrigerant is being evacuated. Failure to remove all the refrigerant can cause a fire or explosion.

- 5. With the suction valve in vacuum, the refrigerant will be recovered into the recovery tank.
- 6. Once recovered, close the tank valve and remove the gauge from the tank and connect nitrogen tank to the system to purge it with nitrogen.
- 7. Pull vacuum to a minimum of 200 microns or lower.





CHARGING

A calibrated scale with +/-2 gram accuracy must be used to charge the system. The charge amount is shown on the serial plate. Only R-290 grade refrigerant can be used. Standard propane does not meet the purity/moisture content of R-290, and therefore cannot be used to charge cases.

No gas charge adjustments are allowed. When connecting hoses between the refrigeration system, manifold gauges, and refrigerant cylinder, ensure that the connections are secure and there are no potential sources of ignition nearby. Ensure that contamination of different refrigerants does not occur when using charging equipment. Use dedicated hoses to service R-290 (propane) refrigeration systems. Hoses or lines should be as short as possible to minimize the amount of refrigerant contained in them.

Ensure that the refrigeration system is properly grounded prior to charging the system with refrigerant, to avoid the potential for static build-up.

Extreme care must be taken not to overfill the refrigeration system. After charging, carefully disconnect the hoses, attempting to minimize the quantity of refrigerant released.

Further leak check the service ports, hoses, refrigerant tanks. The service ports shall be checked for leaks using a hydrocarbon leak detector with a sensitivity of 3 grams/year (0.106 Oz/year) leak rate.



Thoroughly leak check the service ports. If no leak is present, use a pinch-off tool to close the ends of the service tubes before brazing them shut. Remove all service ports.

If a Schrader valve is used on the compressor service tube, it must be removed and the previous steps followed in order to braze the service tube shut.

A WARNING

— LOCK OUT / TAG OUT —

To avoid serious injury or death from electrical shock, always disconnect the electrical power at the main disconnect when servicing or replacing any electrical component. This includes, but is not limited to, such items as doors, lights, fans, heaters, and thermostats.

WASTE OUTLET AND WATER SEAL

These merchandisers have one waste outlet located on the right side, front of case. A p-trap or water seal may be installed to prevent air leakage and insect entrance.

Before starting the case, put in a small amount of water as shown below to provide a water seal otherwise frost and ice may form.



Install the drain screen (shown below). Drain screen is included with the kit packout.

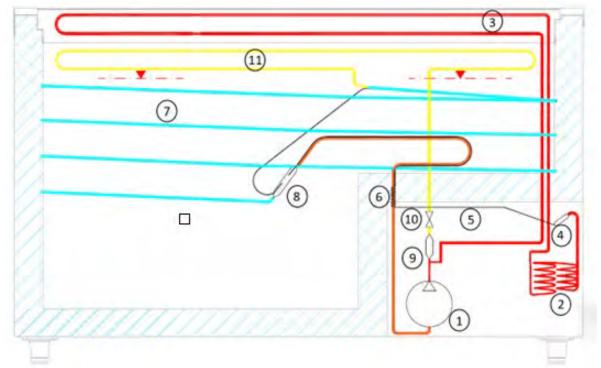


A WARNING

Component parts shall be replaced with like components, and servicing shall be done by factory authorized service personnel only, so as to minimize the risk of possible ignition due to incorrect parts or improper service.

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HOT GAS PIPING LAYOUT





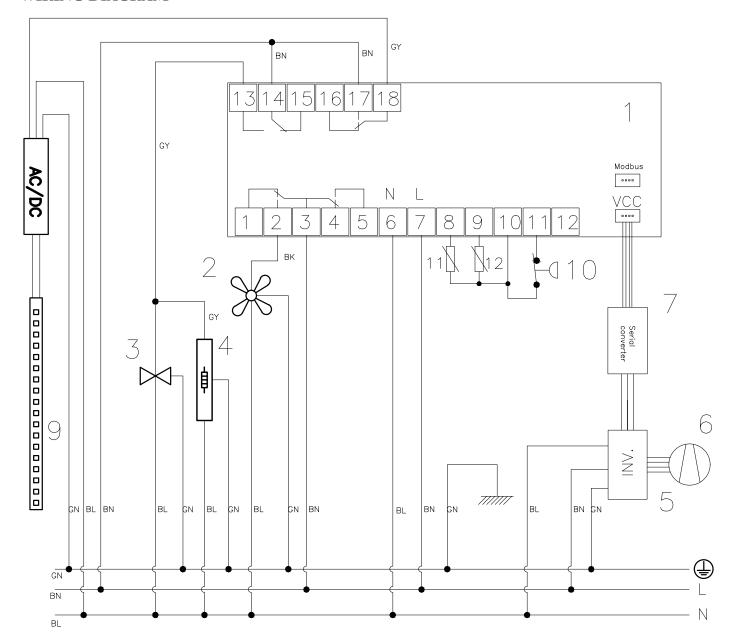
"D" Shaped evaporator

- 1. Compressor
- 2. Condenser
- 3. Skin Condenser
- 4. Filter Dryer
- 5. Capillary
- 6. Heat Exchanger
- 7. Evaporator
- 8. Accumulator
- 9. Filter Strainer
- 10. Defrost Valve
- 11. Defrost Line

A WARNING

This refrigeration system uses hot gas defrost and incorporates a Normal Closed Solenoid. In order to remove all the refrigerant for service, the valve must be held open while the refrigerant is being evacuated. Failure to remove all the refrigerant can cause a fire or explosion.

WIRING DIAGRAM



1 - Controller

2 — Condenser Fan

3 - Defrost valve

4 - Defrost Heater

5 — Inverter do compressor

6 - Compressor

7 — Serial Converter

8 - LED Power Supply

9 - LED bar(s)

10 - Pressure Switch

11 - Ambient Probe

12 - Defrost probe

BL = Blue

BK = Black

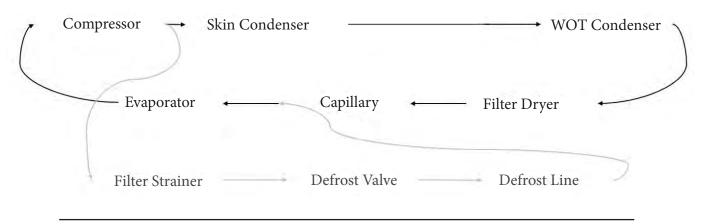
BN = Brown

GN = Green

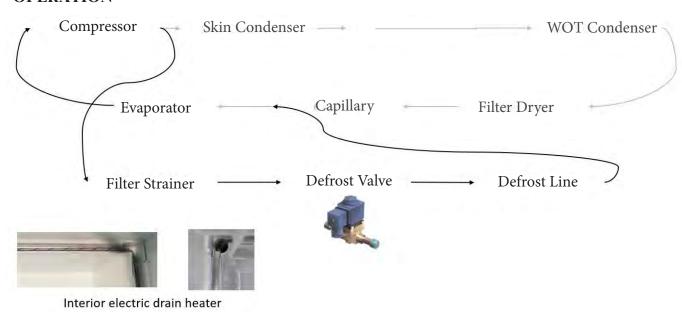
GY = Grey

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REFRIGERATION SEQUENCE OF OPERATION



DEFROST GAS SEQUENCE OF OPERATION



During defrost, the defrost solenoid valve is energized and held open allowing the gas to be redirected through the evaporator. Also the defrost condensate shown in the picture is energized. Defrost is temperture terminated with a failsafe that is 45 minutes. Normally only 1 defrost per day is required.

2-8 INSTALLATION

NOTES:

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START UP / OPERATION

Hussmann Self-Contained Refrigeration Equipment Start Up Check List

Please note that failure to follow this start-up document may void your factory warranty

Step	Startup Activity	Check
1	Locate, read and keep install/operation manual in a safe place for future reference.	
2	Examine unit. Confirm there is NO damage or concealed damage.	
3	Level the unit, side to side and front to rear.	
4	Remove all shipping brackets/compressor straps/bolts etc.	
5	Unit must be run on a dedicated electrical circuit. Do not use adapters.	
6	Ensure that the proper electrical requirements for the equipment are supplied.	
7	Verify all electrical wiring is secured and clear of any sharp edges or hot lines. Connect plug to the outlet.	
8	Some water should be placed in the drain to close the siphon and prevent formation of ice.	
9	Confirm drain trap is secure. Prime drain to prevent air entering case.	
10	Verify all required clearances on the sides and back of unit.	
11	Verify there are no air disturbances external to the unit. Heat and air registers, fans, and doors etc.	
Advise o	owner/operator that merchandiser must operate at temperature for 24 hrs prideduct.	or to loading

LEGAL DISCLAIMER:

Hussmann shall not be liable for any repair or replacements made without the written consent of Hussmann, or when the product is installed or operated in a manner contrary to the printed instructions covering installation and service which accompanied such product.

3-2 STARTUP / OPERATION

CONTROLLER OPERATION

The electronic controller is located at the lower, righthand front of the case. The controller comes factory set, and is ready for use. The cases have predetermined factory temperature settings. Activate manual defrost by pressing and holding feets seconds. The factory setting is -15° F to hold ice cream temperatures.

The case setpoint has been factory set, but the clock will need to be set to the local time. The case is set to defrost at 11:00 pm. The lights are set to come on at 6:00 am and turn off at 10 pm.



Key	Press Key
PRG PRG/MUTE	Press down for more than 3 seconds, access the "F" parameters (frequent) or the menu to define the password or access the "C" (settings) parameters menu; If there is an active alarm, silence the alarm.
ON-OFF/UP	Press down for more than 3 seconds to turn OFF the control panel; Press down for more than 1 second to turn ON the control panel; Upon defining parameters, increase the amount exhibited or switch over to the next parameter.
AUX/DOWN	Press down for more than 1 second to activate/deactivate the auxiliary output (lighting); Upon defining parameters, decrease the amount exhibited or switch over to the previous parameter.
DEF SET/DEF	Press down for more than 1 second to view and/or allow the user to define the set point; Press down for more than 5 seconds to initiate manual defrosting.

CHANGING THE CLOCK

Press the key for 3 seconds.

Introduce the corresponding password: "22".

Confirm by pressing the key.

Navigate through the corresponding parameters by pressing the keys and/or and modify according to the following table.

Parameters for modification	Meaning	Action
Тс-у	Current year	
Tc-m	Current month	
Tc-d	Current day of the month	Validate with DEF key.
Tc-u	Current day of the week	vandate with der key.
Tc-h	Current hour	
Tc-n	Current minute	

NOTES:

After modifying all the parameters, record them by pressing down the key Acontinuously until the temperature appears.

MODIFYING THE LIGHT TIMER

The case(s) are programmed to turn the lights on at 6:00 am and turnoff at 11:00 pm. To change these times follow this procedure:

Navigate through parameters to change:

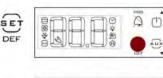
Light ON

- ton-d day to turn ON ("11" means every day)
- \bullet ton-h hour to turn ON
- ton-n minute to turn ON

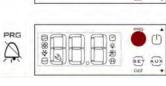
Light OFF

- toF-d day to turn OFF ("11" means every day)
- toF-h hour to turn OFF
- toF-n minute to turn OFF

Validate with button SET (Single Press)



Save with button PRG (Long Press)





3-4 STARTUP / OPERATION

SETPOINT ADJUSTMENT

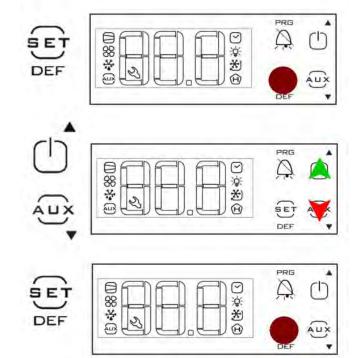
Press the SET button.

Change the Set Point Value.

Confirm with the SET button again to confirm.

NOTE:

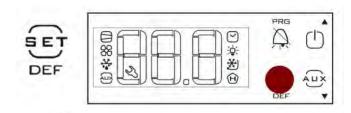
The discharge air tempererature for ice cream/ frozen foods is -14.8° to -10°F and 30° to 34° for Medium Temp.



MANUAL DEFROST

Press the SET button. (5-second long press

The message DEF shows on the display.



HOW TO MODIFY DEFROST

Navigate through parameters and change Parameters to change:

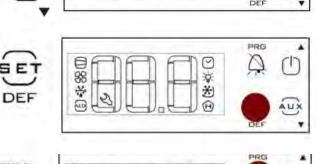
td1-d - 1 defrost per day (11:30)

td1-h - 1st defrost hour

td1-n - 1st defrost minute

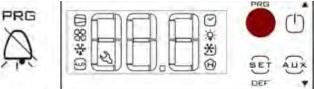
Validate with the SET button

Save with the PRG button (long press)



0

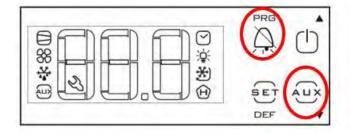
*



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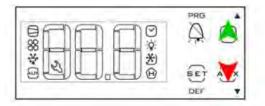
MEDIUM TEMPERATURE MODE - FREEZER MODE CHANGE

1. Press and hold the PRG button + Down Arrow (AUX) button until "bn0" appears in the display. During the process the controller will restart. Always hold the button until "bn0" appears.





- 2. The display shows the value "bn0".
- 3. Use the buttons "up" and "down" to switch between the possible settings:
 - a. bn1 Freezer mode
 - **b.** bn2 Medium Temperature mode

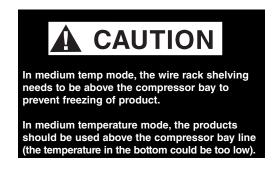


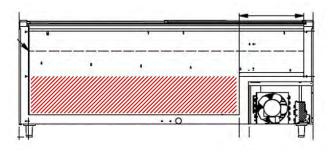


4. Press the "SET" button to select the desired mode. The controller will restart.



5. After restart, press the "SET" button to verify the Setpoint.





LOAD LIMITS

Each merchandiser has a load limit decal around the perimeter of the interior. Make sure product is loaded below limit so that refrigeration performance and storage temperature is not disrupted. Shelf life of perishables will be short if load limit is violated.

AT NO TIME SHOULD MERCHANDISERS BE STOCKED BEYOND THE LOAD LIMITS INDICATED.



STOCKING

Product should NOT be placed inside the case until case is at proper operating temperature.

Allow merchandiser 24 hours to operate before loading product. Verify case pulls down to setpoint temperature.

These cases come with lids. The lids are necessary for the case to operate properly and keep the correct temperature. They should only be opened to place and remove products. They must be closed immediately afterwards.

Use gloves to protect the hands when loading frozen products. Proper rotation of product during stocking is necessary to prevent product loss. Always bring the oldest product to the top and set the newest to the bottom.

The wall and floor racks should always be installed in the case. The racks must be used to prevent products from touching the edges of the case thawing when the case is in defrost mode.



MAINTENANCE

A WARNING

Disconnect electrical power before servicing. Unplug the unit from the socket.

CARE AND CLEANING

Long life and satisfactory performance of any equipment is dependent upon the care it receives. To ensure long life, proper sanitation and minimum maintenance costs, these merchandisers should be completely defrosted semi-annually. Ice accumulation is a normal phenomenon. The quantity and speed in which ice accumulates depend on environmental conditions and the frequency in which the lids are opened.

Exterior Surfaces

The exterior surfaces and the exterior lids must be cleaned with a mild detergent and warm water to protect and maintain their attractive finish. NEVER USE ABRASIVE CLEANSERS,
ABRASIVE MATERIALS OR SCOURING PADS.

Interior Surfaces

The interior surfaces may be cleaned with most domestic detergents, ammonia based cleaners and sanitizing solutions with no harm to the surface. The inner part of the lids can only be cleaned with a soft cloth soaked with a solution of 90% distilled water and 10% isopropyl alcohol. Cleaning products can destroy the covering.

A WARNING

Product will be degraded and may spoil if allowed to sit in a non-refrigerated area. Do NOT allow cleaning agent or cloth to contact food product.

Do NOT USE:

- •Abrasive cleansers and scouring pads, as these will mar the finish.
- Coarse paper towels on coated glass.
- •Ammonia-based cleaners on acrylic parts.
- •Solvent, oil or acidic based cleaners on any interior surfaces.
- •Do not use high pressure water hoses.
- •Remove fixed parts for cleaning.
- •Heaters or sharp objects for defrosting.
- •Do NOT flood merchandiser with water.

NEVER INTRODUCE WATER FASTER THAN THE WASTE OUTLET CAN REMOVE IT.



Do NOT use HOT water on Cold glass Surfaces.
This can cause the glass to shatter and could result in personal injury. Allow glass fronts, to warm before applying hot water.

A WARNING

Do not use mechanical devices or other means to accelerate the defrosting process, other than those recomended by the manufacturer.

Do not use electrical appliances inside the food storage compartments of the case(s), unless they are of the type recommended by the manufacturer.

Do:

- •Remove the product and all loose debris to avoid clogging the waste outlet.
- •Store product in a refrigerated area such as a cooler. Remove only as much product as can be taken to the cooler in a timely manner.
- •Thoroughly clean all surfaces with soap and hot water. **DO NOT USE STEAM OR HIGH WATER PRESSURE HOSES TO WASH THE INTERIOR.**THESE WILL DESTROY THE MERCHANDISERS' SEALING CAUSING LEAKS AND POOR PERFORMANCE.
- •Clean and dry equipment with a soft cloth. Allow merchandisers to dry before resuming operation.
- •After cleaning is completed, turn on power to the merchandiser. Allow case to reach operational temperature before stocking with product.

REMOVING SCRATCHES FROM BUMPER

Most scratches and dings can be removed using the following procedure.

- 1. Use steel wool to smooth out the surface area of the bumper.
- 2. Clean area.
- 3. Apply vinyl or car wax and polish surface for a smooth glossy finish.



CLEANING CONDENSER

The condensing unit area may be cleaned with a vacuum using a wand attachment to suck up dirt and debris. It should be cleaned at minimum of twice a year. While cleaning, be careful not to bend any tube or disconnect electrical wires. A dirty condenser blocks normal airflow through the coils, which increases energy consumption and reduces performance.

NEVER USE SHARP OBJECTS AROUND COILS. Do not puncture coils! Do not bend fins. Contact an authorized service technician if a coil is punctured, cracked, or otherwise damaged. ICE in or on the coil indicates the refrigeration and defrost cycle is not operating properly. Contact an authorized service technician to determine the cause of icing, and to make adjustments as necessary. To maintain product integrity, move all product to a cooler until the unit has returned to normal operating temperatures.



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CLEANING GLASS LIDS

Cleaning with cloth with abrasive microfibers and all types of coarse sponges is prohibited.

Make sure that large quantities of water are not applied on the glass surfaces to be cleaned and that the surfaces are thoroughly dry afterward.

A CAUTION

The inner part of the lids can only be cleaned with a soft cotton cloth soaked with a solution: of 90% distilled water and 10% isopropyl alcohol. Cleaning products can destroy the covering. The outer parts of the lids can be cleaned with normal cleaning products.

CLEANING THE DEFROST CHANNEL

Drench a piece of cloth with a non-reactive cleaning product to cleanse the defrost channel.



A paint brush is recommended to clean the defrost channel corners.



CONDENSATE PAN CLEANING



Top View of Drain Piping

Remove the condensate pan as shown in the photos below.



Condensate Pan Installed



Condensate Pan Removed

After cleaning, reinstall the condensate pan.

Do not use abrasive materials or mops as they will definitively damage the merchandiser's surface. Do not remove fixed parts for cleaning. If necessary, they must be cleaned by qualified personnel. If any component is damaged, it must be replaced by an individual qualified for this task.

4-4 **M**AINTENANCE

Self-Contained Refrigeration Equipment Maintenance Check List

**** Warranty does not cover iss	sues caused by improper installation or lack of basic preventative maintenance. * * * * *
Record starting date	
Store Name and Number	
Store Address	
Unit Model Number	
Unit Serial Number	
Contractor/Technician	

Contractor/ Technician										
	Tech	nician								
	PM	date								
PM activity-For visual inspection items, denote "ok or complete" in the column to right when PM has been performed. For measured data requested, record data requested in the appropriate column to the right)	Quarterly	Semi- Annually	Ql	Q2	Q3	Q4	QI	Q2	Q3	Q4
Check in with store manager, record any complaints or issues they have with unit.	Х									
Look unit over for any damage, vibrations or abnormal noise.	x									
Verify unit is level side to side and front to rear.	X					ĺ				
Confirm refrigerant lines properly are secured and not touching										
or rubbing other lines, wires or frame work.	X									
Verify fan motors and motor mounts are tight.	X									
Confirm fan blade/s are tight and not rubbing or hitting.	Х									
Make sure all electrical connections, factory and field, are tight.	Х									
Verify electricalconnections at lamps are they secure and dry.	X									
Check for and replace any frayed or chaffed wiring.	X									
Check all electrical wiring make sure it is secured and not on	A									
any sharp edges or hot lines.	X									
Check for air disturbances externall to the unit. Heat and air registers, fans, and doors etc.	х									
Check for water leaks.	X									
Clean evaporator coil/s and fan blade/s. Do not use an acid	А									
base cleaner. Rinse off any cleaner residue. Clean discharge air honeycombs or grilles. Do not use an acid		X								
base cleaner. Rinse off any cleaner residue.		X								
Clean condenser coil/s and fan blade/s. Do not use an acid base		X								
Cleaner. Rinse off any cleaner residue. Clean condensate drain pan and drain line.		X								
Verify condensate drain lines are clear and functioning.		-								
		X								
Record voltage reading at unit with unit off?		X				<u> </u>				
Verify condenser and evaporator fans are working.	X									
Record condenser air inlet temperature	X									
Record condenser air outlet temperature	X									
Is condenser air inlet or air exhaust restricted or recirculating?	Х									
Verify there are no visual oil or refrigerant leaks.	X									
Record voltage reading with unit running.		X								
Record compressor amp draw.		X								
Record defrost heater voltage and amp draw.		X								
Record anti-sweat heater voltage and amp draw.		X								
Record case product temperature.	X									
Record unit discharge air temperature.	X									
Record unit return air temperature.	X									
Record ambient conditions around unit (wet Bulb temperature										
and dry bulb temperature).	Х									
Check product loading, do not load beyond the units load limits.	X									
Verify clearances on sides/back of unit.	X									
Check unit controller for proper operation. See controller or 1/0										
Manual for proper controller operation.		X								
Confirm door switches function.	X									
Verify unit doors and lids work and are sealed correctly.	X									
Verify that all the panels, shields and covers are in place.	X									
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Technician Notes:

Form HSCW03 Rev-29 OCTOBER13 P/N 0525210_C

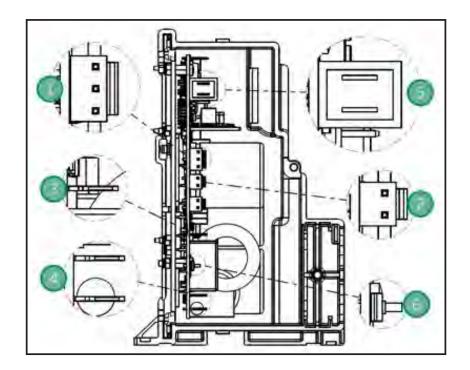
SERVICE

INVERTER

The Inverter has two diagnostics methods, by visual light emission using a LED indication, or by serial communication protocol.

- 1. Serial Communication
- 2. Frequency input
- 3. Drop in
- 4. AC input (L+N)
- 5. AC Fan
- 6. EMI Earth Cable

LED Status	Period	Color	Description
1 Flash	30 seconds	Green 🬘	Normal operation
2 Flashes	5 seconds	Green 🬘	Communication problem
3 Flashes	5 seconds	Red 🧧	Inverter problem
4 Flashes	5 seconds	Orange 🫑	Compressor problem
No Flash	24	12	No input power / Damaged inverter

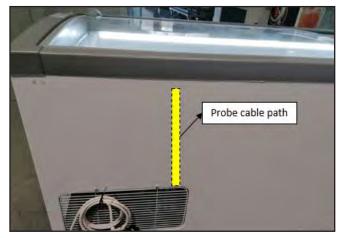


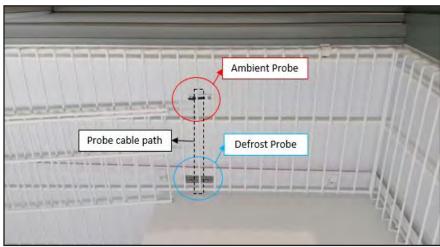


5-2 **SERVICE**

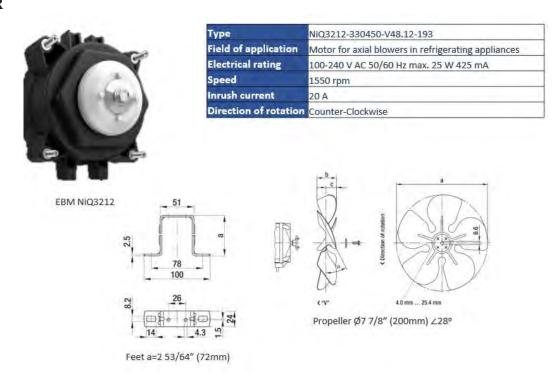
SENSOR REPLACEMENT

- 1. Disconnect the probe on the controller
- 2. Remove from the holder, and pull the cable.
- 3. Pass the new probe.
- 4. Connect to controller



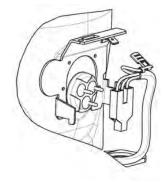


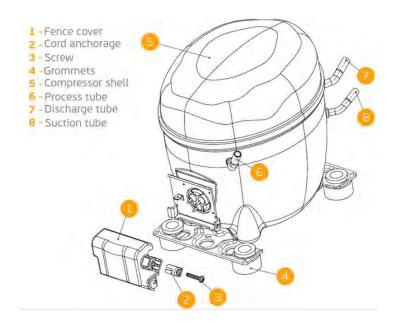
FAN MOTOR



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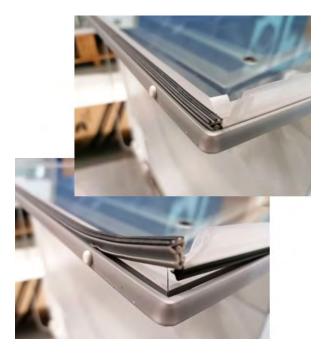
COMPRESSOR





REPLACING GASKETS

The gaskets is held in place with clips. Remove the clips to pull out the gasket. The lower lid middle gasket is glued to the lid.





5-4 SERVICE

REPLACING LED LIGHTING

To remove the front LED bar:

- 1. Disconnect connector (compressor zone).
- 2. Remove cover.
- 3. Remove the LED bar from the metal brackets.
- 4. Remove the Cable.

To replace the front LED bar:

- 1. Insert cable on in the pipe
- 2. Fix the LED bar to the metal brackets
- 3. Fix the diffuser
- 4. Connect cable to power driver

To remove the rear LED bar:

- 1. Disconnect connector (compressor zone).
- 2. Remove LED bar from plastic profile.
- 3. Remove Cable.

To replace the rear LED bar:

- 1. Insert cable on in the pipe.
- 2. Fix LED bar to plastic profile.
- 3. Connect cable to power drive.

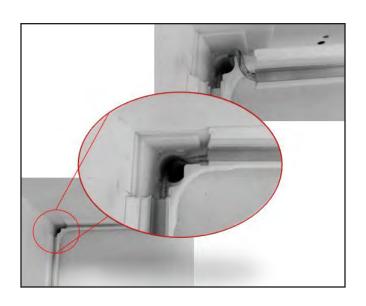
REPLACING DRAIN HEATER

- 1. Remove product and wire shelves.
- 2. Disconnect heater from the connection box.
- 3. Remove the rail, and separate the aluminum from the plastic profile.
- 4. Replace with new heater.





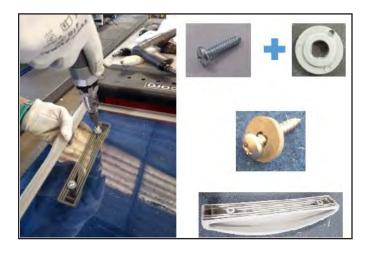




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REPLACING LID HANDLES

Handles are held in place by two screws and plastic rings. Contact your Hussmann representative to obtain replacement parts.



REPLACING BUMPERS

The bumper is attached by a holder screwed to the cabinet. To replace it, pull it out and then place the new one using a rolling movement.

The bumper ends are attached with screws.





5-6 **SERVICE**

CASE PROBLEM / RESOLUTION GUIDE

Use the following as a checklist for discovering and correcting problems with the operation of this case.
☐ Check if there is an electric current.
☐ Check if the plug is properly inserted in the source outlet and if the voltage and frequency are appropriate for operation.
Unsatisfactory case temperature:
☐ Check that the unit has been running long enough to have reached desired temperature.
☐ Check that the appliance is not near an air current or a heat source.
☐ Check that the lids are closing properly.
☐ Check the temperature regulation.
☐ Check that the products stocked in the case do not exceed the indicated load limit.
☐ Check if the room and defrosting probe thermostats are turned on correctly.
☐ Check that the condenser fan and the condenser is operating and are unobstructed.
Very noisy equipment
☐ Check that the appliance is placed on an even surface.
☐ Check that vents are unobstructed.
☐ Check if the screws and nuts are perfectly secure.
☐ Check if the cooling fan has any problems or does not operate properly.
☐ Check if the compressor has any problems or does not operate properly.
☐ Check if any of the condenser's support parts are loose or broken.
LED lighting does not operate:
☐ Check if lighting has power.
□ Check if lighting was turned off by timer (Care Control Panel)

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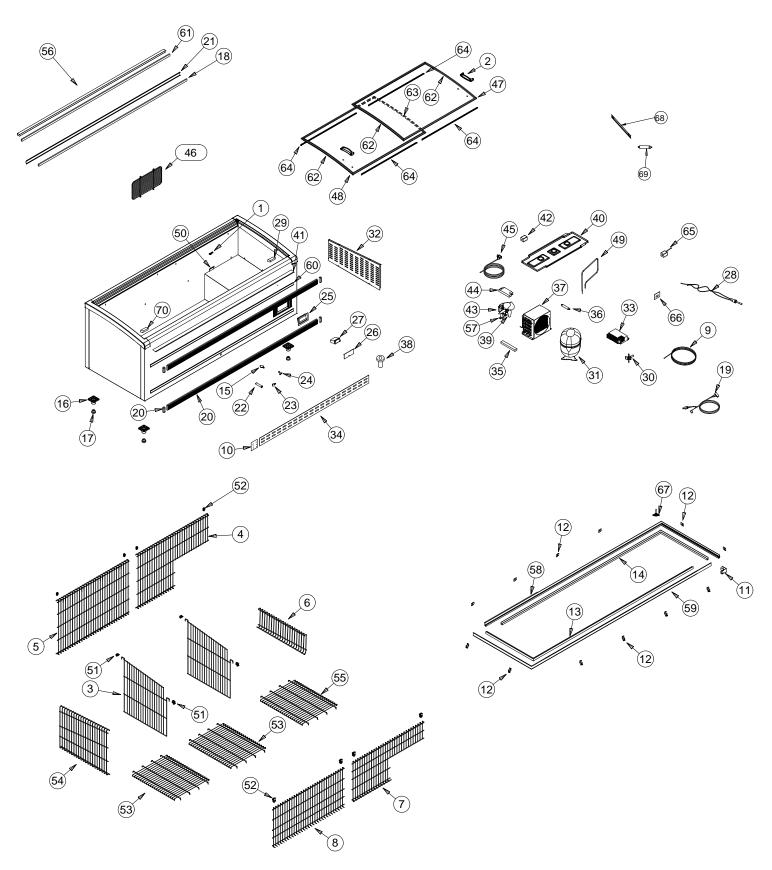
CASE PROBLEM / RESOLUTION GUIDE

Use the following as a checklist for discovering and correcting problems with the operation of this case.

Lots of ice on equipment walls
☐ Check if the AD equipment executes automatic defrosting.
☐ Check if the lids are sealing correctly.
☐ Check if the products are touching the interior walls.
☐ Check if the defrost gutter resistance is damaged.
☐ Check that the products stocked in the case do not exceed the indicated load limit.
☐ Check if the room and defrosting probe thermostats are turned on correctly.
☐ Check that local temperature and relative humidity conditions exceed the equipment's climate classification (found on the characteristics label).
High electric energy consumption
☐ Check if the set point is at maximum.
☐ Check if the condenser is blocked.
☐ Check if the lids are properly closed.
☐ Check if the local conditions exceed the equipment's climate classification (found on the characteristics label).
☐ Check the equipment's ventilation channels (correct distance between objects or if cooling fan motor is operating).
Condensation inside of case cabinet
☐ Check if the set point is at maximum.
☐ Check if products are over the load limit.
☐ Check if the glass is dirty or obstructed with adhesives.
☐ Check if external conditions exceed the limit of the equipment's normal operation.
If none of these situations resolves the issue, please call your Hussmann representative.

5-8 SERVICE

CASE EXPLODED PART VIEWS BNKR1700A



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CASE EXPLODED PARTS BNKR1700A

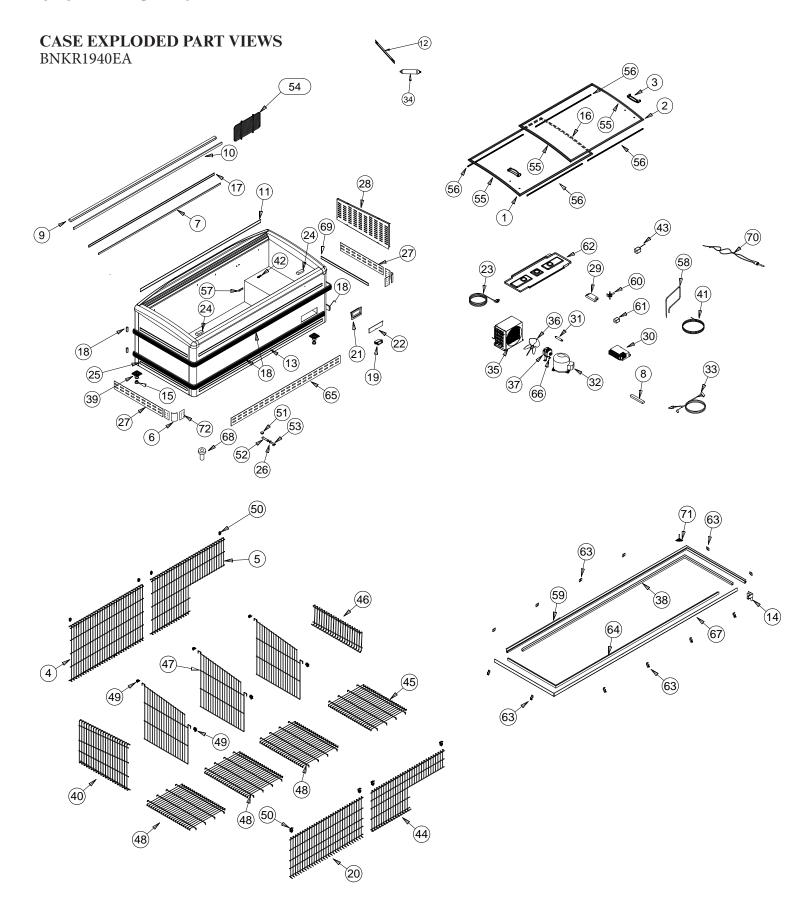
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Part		CROSS REF PN	C09.3005		6018:600	000	03.1096	515.0008	511.0854	511.0450	511.0851	511.0444	513.0004	513.0312	513.0324	513.0475	513.0003	513.0313	01.1243	01.1668	09:0988	01.1595	01.1684	01.1599	01.1659	01.1458	03.1161	01.1227	01.1163	030572	515.0015	511.0283	511.0452	9000.70	02.0643	511.0937	511.0457			
1947 1947	PARTS LIST	TITLE	GLASS-LID			C09.3109	HEALER-DEFRUST RESISTANCE 03:1096	PLATE-SUPPORT DEFROST PROBE 515.0008	DIVIDER-PLASTIC SUPPORT 511.0854	DIVIDER-PLASTIC SUPPORT BLK 511.0450		SUPPORT-SHELF PLASTIC WALL	SHELF-WIRE 500MM 513.0004	3 SHELF-WIRE 500MM BLK 513.0312	SUPPORT-SIDE SHELF 513.0324	SUPPORT-SIDE SHELF BLK 513.0475	SHELF-WIRE 450MM 513.0003	SHELF-WIRE 450MM BLK 513.0313	7 SUPPORT-PVC LED GRAY 1556MM 01.1243	SUPPORT-PVC LED BLACK 1556MM 01.1668	SUPPORT-FAN MOTOR 72MM 09.0988	CHANNEL-DRAIN SUPERIOR 1553X688MM 01:1595	CHANNEL-DRAIN SUPERIOR BLK 1553X688MM 01.1684	CHANNEL-DRAIN INFERIOR 1520X718MM 01.1599	CHANNEL-DRAIN INFERIOR BLK 1520X718MM 01.1659	SUPPORT-BUMPER 1640MM 01.1458	3 LED BAR-DIFFUSED 1500MM 5000K ECO ASQC2 03.1161	LID-SEAL PROFILE IO X 760MM 01.1227	LID-SEAL PROFILE 9MM 01.1163	MODULE - COMINICATION IROP748500 030572	SUPPORT_JOINERS 515.0015	FILTER-DRAIN CHANNEL 511.0283	FILTER-DRAIN CHANNEL BLK 511.0452	LABEL-CHARGE LEVEL 07.0006	3 FILTER-DEFROSTING 02:0643	S STOP-LID LH GRAY 511.0937	STOP-LID LH BLACK 511.0457			
1947 1947		PART	3123273		3151623		3123446	3113494	3113486	3154680	3113487	3154679	3113539	3154688	3123225	3154700	3113482	3154689	3123447	3151603	3113506	3123303	3154672	3123307	3154669	3123312	3123448	3113543	3123320	3113517	3113530	3123302	3154682	3123328	3123228	3123245	3151608			
PARTS PART		ITEM	48a		48b	Ç	49	20	5Ia	91b	52a	52b	53a	53b	54a	54b	55a	25b	56a	26b	22	58a	28b	59a	29b	09	19	62	20 0	5 G	99	67a	929	89	69	70a	70b			
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PART		CROSS REF	511.0825	511.0166	511.0228	511.0107	5120116	5120202	012030	01.1040	03.0950	02.0638	511.0936	511.0456	02.0323	02.0599		514.1592	514.1593	514.2160	514.2161	02.0604	519.0033	03.1168		02.0564	0205/7	02:0079	512.0295	511.0703	02.0607	00000	02.0002	03.0034	03.0221	313.0046	513.0208	6120063	5020203	009,3006
PARTS LIST NUMBER 3113477 SUPPORT-PROBE PLASTIC BLK 5110343 31154678 SUPPORT-PROBE PLASTIC BLK 5110343 31151629 HANDLE-200AM SLIDING LD BLACK W SCREWS 5110343 11 511629 HANDLE-200AM SLIDING LD BLACK W SCREWS 5110340 SUPPORT-PROBE PLASTIC BLK 513034 31151629 HANDLE-200AM SLIDING LD BLACK W SCREWS 51103620 BIVIDER-BIG W SUPPORT EDE KC 5130071 51151629 HANDLE-200AM SLIDING LD BLACK W SCREWS 51103620 BIVIDER-BIG W SUPPORT EDE KC 5130071 5113520 BIVIDER-BIG W SUPPORT SELF EDE KC 5130073 51154689 SUPPORT-SELF EDEK STEP SIDE SIA 5130023 51154689 SUPPORT-SELF EDEK STEP SIDE SIA 5130013 51154689 SUPPORT-SELF FRONT STEP SIDE BLK 5130474 5115520 SUPPORT-SELF FRONT STEP SIDE SIA 5130013 51154689 SUPPORT-SELF FRONT STEP SIDE SIA 5130013 5116469 SUPPORT-SELF SIDE SIA 5130013 5116469 SUPPORT-SELF SIDE SIA 5130013 5116	PARTS LIST	PART NUMBER	3113457	3151604	3151605	3113490	3123327	2151510	Ulaicie	3123324	3113449	3129878	3123246	3151609	3113497	3113465		3123322	3151614	3151616	3151617	3113463		3113379		3113464	3113468	3113469	3123329	3123445	3113498	0107	_	3113462	0110404	0110491	3151611	2151512	2101015	17g 3123277 GLASS-LID SLIDING GRAY 1700 SLIPERIOR W HANDLE
PARTI TITLE CROSS REF PART TITLE CROSS REF MUMBER TITLE CROSS REF 31/347 SUPPORT-PROBE PLASTIC 61I,1259 51I,1259 31/347 SUPPORT-PROBE PLASTIC BLK 51I,0343 51I,0343 31/3374 HANDLE-ZOOMA SLIDING LD BLACK W SCREWS C51I,0549 31/361629 HANDLE-ZOOMA SLIDING LD BLACK W SCREWS C51I,0387 31/3629 CHOPORT-SHELF BACK STEP SIDE BLK 513.0310 513.0301 31/36469 SUPPORT-SHELF BACK STEP SIDE BLK 513.0310 513.0323 31/36469 SUPPORT-SHELF FRONT STEP SIDE BLK 513.0310 513.03013 31/36469 SUPPORT-SHELF FRONT STEP SIDE BLK 513.0310 513.0433 31/3649 SUPPORT-SHELF FRONT STEP SIDE BLK 513.0310 513.0433 31/3649 SUPPORT-SHELF FRONT STEP SIDE BLK 513.0310		E	2	12	12	~	C	1 6	¥ °	7	~	10	15	N N	m	167		33	ίờ.	έń	έń	m	m	m		m	m m	m	4	Ľ	4	`	1 2	1 2	1 2	1	4		1	
PART TITLE			-	-	+	\dashv	_				-	_	-	-	-	-	-	_	- -	-		- 9	-	-			_	-	-	-		+	-	-	-	-	- -	+	- -	-
		CROSS RE PN	511.1259	511.0343	C511.054		C511.088		C513.007	C513.030	513.0014	513.0310	513.0023	513.0434	513.032	513.047	513.0013	513.0311	513.0017	513.0433	03.0499	C519.003	511.0020	511.0864	511.0971		C515.082	C515.082	511.0105	511.0204	C511.022	511.0017	03.1160	03.1183	C01.150§	C01.105z	511.0566	5110348	5110349	
	PARTS LIST				113374 HANDLE-200MM SLIDING LID RAL7042 W SCREWS			C5II.0887	113519 DIVIDER-BIG W SUPPORT C513.0071	154703 DIVIDER-BIG W SUPPORT BLK C513.0307	113520 SUPPORT-SHELF BACK STEP SIDE 513.0014	154686 SUPPORT-SHELF BACK STEP SIDE BLK 513.0310	123441 SUPPORT-BACK SHELF 513.0023	154698 SUPPORT-BACK SHELF BLK 513.0434	123226 SUPPORT-STEP SIDE SHELF 513.0325	154699 SUPPORT-STEP SIDE SHELF BLK 513.0474	113524 SUPPORT-SHELF FRONT STEP SIDE 513.0013	154687 SUPPORT-SHELF FRONT STEP SIDE BLK 513.0311	123442 SUPPORT-FRONT SHELF 513.0017		II3476 PROBE-NTC015HP00 I,5M 03.0499	114521 KICK PLATE-JOIN W SCREWS C519.0036	114524 CORNER-DEFROST W HOLE 511.0020	154683 CORNER-DEFROST W HOLE BLK 511.0864	113500 SUPPORT-DRAIN CHANNEL-EVAPORATOR 511.0971	154681 SUPPORT-DRAIN CHANNEL-EVAPORATOR BLK 511.0451			113488 PLUG-INTERIOR DRAIN 511,0105		113473 LEG-85MM WITH LEVELER C511.0220	II3445 LEVELER-MI2 X 50MM 511.0017	123443 LED BAR-1500MM 5000K EC0 ASQC2 03.1160	I28218 CABLE-FMFT INVERTER 03.1183	123247 BUMPER KIT RAL7016 I PER CASE C01.1509	128219 BUMPER KIT BLACK I PER CASE COLIO54	123317 DIFFUSER-LIGHT 1552MM 511.0566	ISTROR PIPE-RIACK DRAIN STITUS 48	ISTOOD TILL ENDEACH DRAIN STILO349	
			+	-	+	_		_	_						_	_			_	8b 3			_	-	_	-			-	+		\rightarrow	-		\rightarrow	_	_			_

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3151624 GLASS-LID SLIDING BLACK 1700 SUPERIOR W HANDLE C093110

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5-10 SERVICE

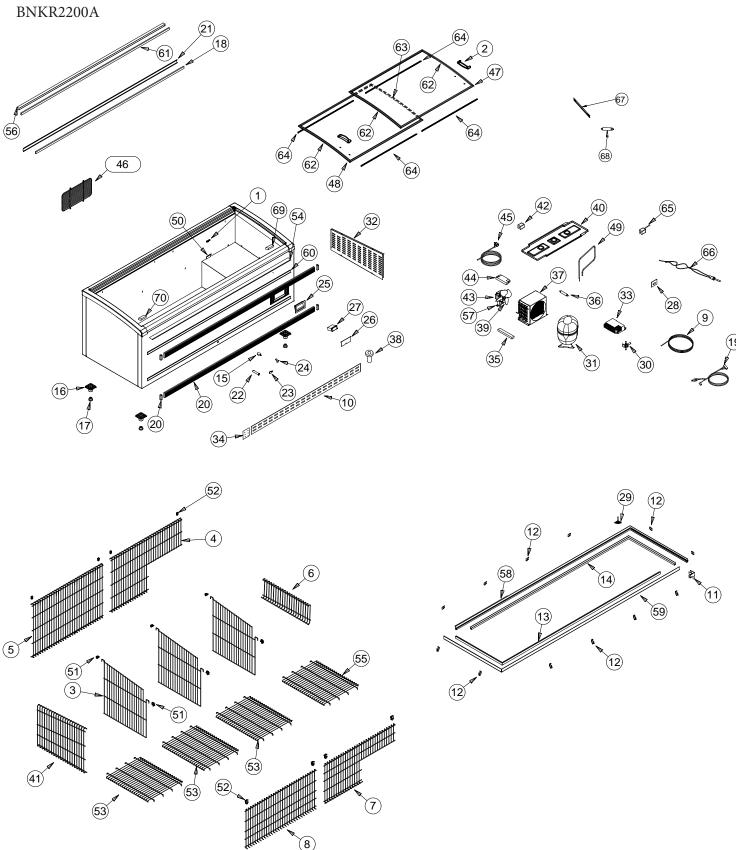


CASE EXPLODED PARTS BNKR1940EA

NAME	1		PARTS LIST			L		PARTS LIST		Γ			PARTS LIST			_
1972 1972	TEM			CROSS REF PN	ΔT	ITEM	PART		CROSS REF PN	ΥTO		PART	TITLE	CROSS REF PN	ΔTΥ	_
10 10 10 10 10 10 10 10	₽	3123280		C09.3007	-	25	3123315	SUPPORT-BUMPER 766MM 01.1510	01.1510	ю	-	3154680	DIVIDER-PLASTIC SUPPORT BLK 511.0450	511.0450	9	
2002-001-001-001-001-001-001-001-001-001						26a	3113457		511.0825	-	50a	3113487	SUPPORT-SHELF PLASTIC WALL 511.0851	511.0851	∞	
20,000 2	٩	3151625		C09.3111	_	26b	3151604	PLUG-BLACK EXTERIOR DRAIN 511.0166	511.0166	-		3154679	SUPPORT-SHELF PLASTIC WALL BLK 511.0444	511.0444	∞	
	20	3123286		0093008	-	26c	3151605		511.0228	-		3113488	PLUG-INTERIOR DRAIN 511.0105	5010.016	-	
10,000,000,000,000,000,000,000,000,000,					-	27	3114520	KICK PLATE-SIDE 519.0032	519.0032	2		3154677	PLUG-INTERIOR DRAIN BLK 511.0204	511.0204	-	
13.35 Habble 2.70 was 2.00	2b	3151626		C09.3112	-	28a	3123320	PLATE-EXT WHT GRID 1940 514.1594	514.1594	-	52a	3113489	PIPE-WHITE DRAIN 511.0347	511.0347	-	
1915/04 1916/05 1916						28b	3151615	PLATE-EXT BLK GRID 1940 514.2098	514.2098	-	52b	3151606	PIPE-BLACK DRAIN 511.0348	511.0348	-	-
13.052 13.0	8	3113374		C5III.0549		28c	3151618	PLATE-EXT LIGHT GRAY GRID 1940 514.21	514.2162	-	52c	3151607	PIPE-GRAY DRAIN 511.0349	511.0349	-	
CALINOSE CALINOSE	36	3151629		C511.0887	2	28d	3151615	PLATE-EXT DARK GRAY GRID 1940 5142163	514.2163	-	53	3113490	DRAIN-PURGE 511.0107	\rightarrow	-	
13 13 15 15 15 15 15 15			C5II.0887			5 3	3113462	BOX-CONNECTOR 03.0834	03.0834		54a	3113491	GRID-WIRE RECTANGULAR WHITE EXTERIOR 430X220MM 513.0046	513.0046	-	
	4	3113375	SHELF-BACK SUPPORT 1940 513.0025	513.0025	-	30	3113400	INVERTIEK-FMFT COMPRESSOR FREQUENCY UZU604	02.0604	-	4	3151611	CBID WIDE BECTANCI II AB BI ACK EXTERIOR 430X2200M4	5130208	-	_
13.237 SHEAK, KISP NEE REPORT 19.0 2 313.045 SAME AND	4b		SHELF-BACK SUPPORT 1940 BLK 513.0419	513.0419	-	<u>e</u>	3113464		02.0564	-	5	5	GND-WINE RECTAINGULAR BEACH EXTENUE 450/22/0/MIN		-	
13.00.000 13.0	29	3113376	SHELF-BACK STEP SIDE SUPPORT 1940 513.0022	513.0022	-	32	311346		020599	_		3151612	GRID-WIRE RECTANGULAR GRAY EXTERIOR 430X220MM	513.0253	-	
13.223 A.T.EACK ROADO DOR &ACK R	2b	3154695	SHELF-BACK STEP SIDE SUPPORT 1940 BLK 513.0418	513.0418	-	C	0100010		0	-			513.0253			_
13.7379 13.740 12.054 13.740	9	3123231	PLATE-KICK ROUND COR ZINC PLATED 519.0073	519.0073	2	9	3120216		03.1103	- -	55	3113512	SEAL-LID PROFILE 13X760MM 01.1225	01.1225	3	
13.257 PANASTONNER, LID BAR GONZ SCOROM ASCAZ STILLES 13.4588 CANASTONNER, LID BAR CONTROL BALACY TROONNER, LID BALACY TROONNER, LID BAR CONTROL BALACY TROONNER, LID BAR CONTROL BALACY TROONNER, LID BAL	_	3113378	LED BAR-1700MM 5000K EC0 ASQC2 03.1162	03.1162	_	4 0	3123220		02.0043	- -	99	3113513	EXTRUSION-LID PROFILE 910MM C01.0834	C01.0834	4	
313466 Superity CLED GRAY 1790AM 011229 1 3 311446 MRTADLA-ASPHANT 1 UBL HELV NADOMM 201650 2 311446 MRTADLA-ASPHANT 1 UBL HELV NADOMM 201650 3 311446 MRTADLA-ASPHANT 1 UBL HELV NADOMM 201650 3 3 3 3 3 3 3 3 4 4	ω	3113379		03.1168	-	25	3113462	CUNDENSER-WIRE ON LUBE UZ:US//	02:05//	-	22	3113494	PLATE-SUPPORT DEFROST PROBE 515.0008	515.0008	-	
13 13 13 13 13 13 13 13	90	3113516	SUPPORT-PVC LED GRAY 1790MM 01.1229	01.1229	-	36	3 346	FAN BLADE-ASPIRANT TUBE HELIX DIAZOUMM 28DEG	020079		28	3113495	HEATER-DEFROST RESISTANCE 03.1097	03.1097	-	
133616 ED BR-DFFLEED TOOM SOON ECO ASOC 203163 GAIRG3 1 1 1 1 1 1 1 1 1	q6	3151602		01.1551	-	37	3113470	MOTOR-FAN HIGH EFFICIENCY NIO 02:0602	02.0602	<u> </u>		3123304	CHANNEL-DRAIN SUPERIOR 1758X672MM 01.1596	01.1596	-	
133238 RICE TACHOLDER ISDOMN 1940 5 10.037 1 2 2 2 2 2 2 2 2 2	9	3113515		03.1163	-	88	3123233	CHANNEL-AL SUPERIOR 1545X687MM END CASE	C515.0824	-		3154674	CHANNEL-DRAIN SUPERIOR BLK 1785X672MM 01.1695	01.1695	_	
132346 SHEPCHYLER, LEVEL OTODOG 4 3 3 3 3 3 3 3 3 3	=	3113383		511.0317	-			C515.0824			09	3113497	VALVE-0.25 DEFROST SANHUA 02.0323	020323	-	
13.2343 SUPPORT_BUMPER 2049AM 01.045 1	2	3123328	LABEL-CHARGE LEVEL 07.0006	9000.70	4	39	3113473	LEG-85MM WITH LEVELER C511.0220	C5II.0220	4	19	3113498	VALVE-12W 115V SOLENOIDE DEFROST SANHUA 02.0607	020607	-	
13 13 13 13 13 13 13 13	8	3123314	SUPPORT-BUMPER 2045MM 01.1045	01.1045	2	40a	312322	SUPPORT-SIDE SHELF 513.0322	513.0322	_	-	3123329	TRAY-WATER 512.0295	512.0295	-	
1313445 CANNER-DEFROST W HOLE BLK 5110864 1 41 3113476 PROBE-NITCOISHPOOL IJAM 0304999 2 636 3154678 PROPER LASTIC 5111269 1 22342 CANNER-LAL INFERIOR IZ-SZAVOAM EILOGY A 22 3113475 SIDAPORT-PROBE PLASTIC BLK 5110343 1 22342 CANNEL-AL INFERIOR IZ-SZAVOAM EILOGY 22342 CANNEL-AR INFERIOR IZ-SZAVOAM EILOGY 22342 CANNEL-AR INFERIOR IZ-SZAVOAM EILOGY 22342 CANNEL-DANIN EILOGY 223442 CANNEL-CONTROL WOUNT 223442 CANNEL-CONTR	40		CORNER-DEFROST W HOLE 511.0020	511.0020	-	40b	3154702	SUPPORT-SIDE SHELF 1940 BLK 513.0491	513.0491	_	63a	3113500	SUPPORT-DRAIN CHANNEL-EVAPORATOR 511.0971	511.0971	20	
13.332 LD-SEAL PROFILE SAMM OLILIGS 1	14p	_		511.0864	_	4	3113476	PROBE-NTC015HP00 1.5M 03.0499	03.0499	2	93b	3154681	SUPPORT-DRAIN CHANNEL-EVAPORATOR BLK 511.0451	511.0451	20	
12336 Libezel, PROFILE 9MM OILIGE 1 24 31154 24 31154 31154 31154 31154 31155 31154 31155 31154 31155	2	3113445	LEVELER-M12 X 50MM 511.0017	511.00.112	4	42a	3113477	SUPPORT-PROBE PLASTIC 511.1259	511.1259	-		3123242	CHANNEL-AL INFERIOR 1525X707MM END CASE	C515.0823	- 8	
13.23.4 DIFFUSEN_LIGHT 785MM 5 10756 1 2 3 3 3 3 3 3 3 4 4 3 3	9	3123326	LID-SEAL PROFILE 9MM 01.1163	01.1163	-	42b	3154678	SUPPORT-PROBE PLASTIC BLK 511.0343	511.0343	-	Ĺ	1	C515.0823	000	-	_
3123247 BUMPER KIT RALZOIG PER CASE COLIGOS 1 440 313486 240PORT-SHELF FRONT SIFP SIDE 5130016 51330	<u> </u>	3123318		511.0755	-	43	3113517	MODULE-COMUNICATION IROPZ48500 03.0572	03.0572	-	ç	311451/	KICK PLAIE-FRONI 1940 519:0031	519:003		
3128219 BAMPER KIT BLACK 1 PER CAZE COLIOSA 1 426 315469 426 314690 426 3112308 420 426 3112308 420 426 3112469 426 3112469 426 3112469 426 3112469 426 3122424 426 3122424 426 3122424 426 312324 426	88			C01.1509	-	440	3113481	SUPPORT-SHELF FRONT STEP SIDE 513.0016	513.0016	_		3113506	SUPPORT-FAN MOTOR 72MM 09.0988	09:0988	-	_
1313449 CONTROLLER-CAREL R33 VCC 03.0950 1 450 31.3482 SHELF-WIRE 450MM 513.0003 1 50 51.30019 1 52 51.30019 1 52 51.30019 1 52 51.30019 1 52 51.30019 1 52 51.30019 1 52 52 52 52 52 52 52	88			C01.1054	-	44b	3154693	SUPPORT-SHELF FRONT STEP SIDE 1940 BLK 513.0416	513.0416	-		3123308	CHANNEL-DRAIN INFERIOR 1751X707MM 01.1600	0091110	-	
13466 Single 1 1 1 1 1 1 1 1 1	6	-		03:0950	-	45a	3113482	SHELF-WIRE 450MM 513.0003	513.0003	_		3154673	CHANNEL-DRAIN INFERIOR BLK 1751X707MM 01.1694	01.1694	\dashv	
15484 SUPPORT-FRONT SHELF 1940 BLK 513.0417 1 46 312.3224 SUPPORT-STEP SIDE SHELF 513.0323 1 70 312346 SUPPORT-STEP SIDE SHELF 513.0323 1 70 312346 SUPPORT-STEP SIDE SHELF 513.0490 1 70 312346 SUPPORT-STEP SIDE SHELF 1940 BLK 513.0490 1 70 312.0408 SUTCH-HIGH PRESSURE 02.0638 70 3123424 SUPPORT-STEP SIDE SHELF 1940 BLK 513.0490 1 70 312.0490 1 70 312.0490 70 312	20a		SUPPORT-FRONT SHELF 513.0019	513.0019	-	45b	3154689	SHELF-WIRE 450MM BLK 513.0313	513.0313	_	-	3114522	SCREW-KICK PLATE 05.0316	05.0316	50	_
312327 PAREL-CONTROL WO SWITCH R7042 5120116 1 470 3113484 DIVIGER-BIG W SUPPORTI-STEP SIDE SHELF 1940 BLK 5130490 1 70 3129478 SWITCH-HIGH PRESSURE 02.0638 SWITCH-	20p			513,0417	-	46a		SUPPORT-STEP SIDE SHELF 513.0323	513.0323	-		3123316	SUPPORT-BUMPER 720MM 01.1370	01.1370	-	ı
LACK 5 2030 1 27 3113484 DIVIDER-BIG W SUPPORTS C5 30007 3 710 312302 FILTER-DRAIN CHANNEL 5 10283 710 312302 FILTER-DRAIN CHANNEL 5 10283 710 312302 FILTER-DRAIN CHANNEL 5 10283 710 312302 710 312302 710 312302 710 7	2la			512.0116	-	46b	-	SUPPORT-STEP SIDE SHELF 1940 BLK 513.0490	513.0490	-	-	3129878	SWITCH-HIGH PRESSURE 02:0638	020638	-	_
EL 135 X 57 MM 01.1040 1	2lb			512.0301	-	47g	3113484	DIVIDER-BIG W SUPPORTS C513.0007	C513.0007	ю	_	3123302	FILTER-DRAIN CHANNEL 511.0283	511.0283	-	-
ABM 5-15P 03.0221 48a 311.3486 SHELF-WIRE 410MM 513.0002 513.0486 518.04692 511.0466 2 48b 311.3486 DIVIDER-PLASTIC SUPPORT 511.0854 511.0468	2			011040	-	47b	3154704	DIVIDER-BIG W SUPPORTS 1940 BLK C513.0414	C513.0414	т	-	3154682	FILTER-DRAIN CHANNEL BLK 511.0452	511.0452	-	
51.0936 2 48b 3154692 SHELF-WIRE 410MM 1940 BLK 513.0413 513.0413 51.0456 2 49a 3113486 DIVIDER-PLASTIC SUPPORT 51.0854 51.0854	23	_		03022	-	48a	3113485	SHELF-WIRE 410MM 513.0002	513.0002	т	72	3114521		C519.0036	9	_
511,0456 2 3113486 DIVIDER-PLASTIC SUPPORT 511,0854 511,0854	240	3123246	STOP-LID RH GRAY 511.0936	511.0936		48b	3154692	SHELF-WIRE 410MM 1940 BLK 513.0413	513.0413	ю						
	24b	3151609	STOP-LID RH BLACK 511.0456	511.0456		49a	3113486	DIVIDER-PLASTIC SUPPORT 511.0854	511.0854	9						

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CASE EXPLODED PART VIEWS



CASE EXPLODED PARTS BNKR2200A

		PARTS LIST		
ITEM	PART NUMBER	TITLE	CROSS REF PN	ΩTY
49	3113538	HEATER-DEFROST RESISTANCE 03.1098	03.1098	-
90	3113494	PLATE-SUPPORT DEFROST PROBE 515.0008	515.0008	-
5la	3113486	DIVIDER-PLASTIC SUPPORT 511.0854	511.0854	9
2lb	3154680	DIVIDER-PLASTIC SUPPORT BLK 511.0450	511.0450	9
52a	3113487	SUPPORT-SHELF PLASTIC WALL 511.0851	511.0851	ω
52b	3154679	SUPPORT-SHELF PLASTIC WALL BLK 511.0444	511.0444	8
53a	3113539	SHELF-WIRE 500MM 513.0004	513.0004	3
53b	3154688	SHELF-WIRE 500MM BLK 513.0312	513.0312	ю
54	3113540	PRICE TAG-HOLDER 2045MM 511.0701	511.0701	-
55a	3113482	SHELF-WIRE 450MM 513.0003	513.0003	-
25b	3154689	SHELF-WIRE 450MM BLK 513.0313	513.0313	-
56a	3113548	SUPPORT-PVC LED GRAY 2056MM 01.1230	01.1230	-
26b	3151600	SUPPORT-PVC LED BLACK 2056MM 01.1396	01.1396	-
25	3113506	SUPPORT-FAN MOTOR 72MM 09.0988	09.0988	-
58a	3123305	CHANNEL-DRAIN SUPERIOR 2053X688MM 01.1597	01.1597	-
28b	3154671	CHANNEL-DRAIN SUPERIOR BLK 2053X688MM 01.1664	01.1664	-
59a	3123309	CHANNEL-DRAIN INFERIOR 2020X718MM 01.1601	01.1601	_
29b	3154670	CHANNEL-DRAIN INFERIOR BLK 2020X718MM 01.1663	01.1663	-
09	3123311	SUPPORT-BUMPER 2140MM 01.1457	01.1457	2
19	3113547	LED BAR-DIFFUSED 1950MM 5000K ECO ASQC2 03.1165	03.1165	-
62	3113543	LID-SEAL PROFILE 10 X 760MM 01.1227	01.1227	3
63	3123326	LID-SEAL PROFILE 9MM 01.1163	01.1163	-
64	3113544	LID-SLIDING PROFILE 1040MM C01.0831	C0I.083I	4
65	3113517	MODULE-COMUNICATION IROPZ48500 03.0572	03.0572	-
99	3129878	SWITCH-HIGH PRESSURE 02.0638	02.0638	-
29	3123328	LABEL-CHARGE LEVEL 07.0006	9000.70	4
89	3123228	FILTER-DEFROSTING 02.0643	02.0643	_
69a	3123246	STOP-LID RH GRAY 511.0936	511.0936	-
q69	3151609	STOP-LID RH BLACK 511.0456	511.0456	-
70a	3123245	STOP-LID LH GRAY 511.0937	511.0937	-
70b	3151608	STOP-LID LH BLACK 511.0457	511.0457	-

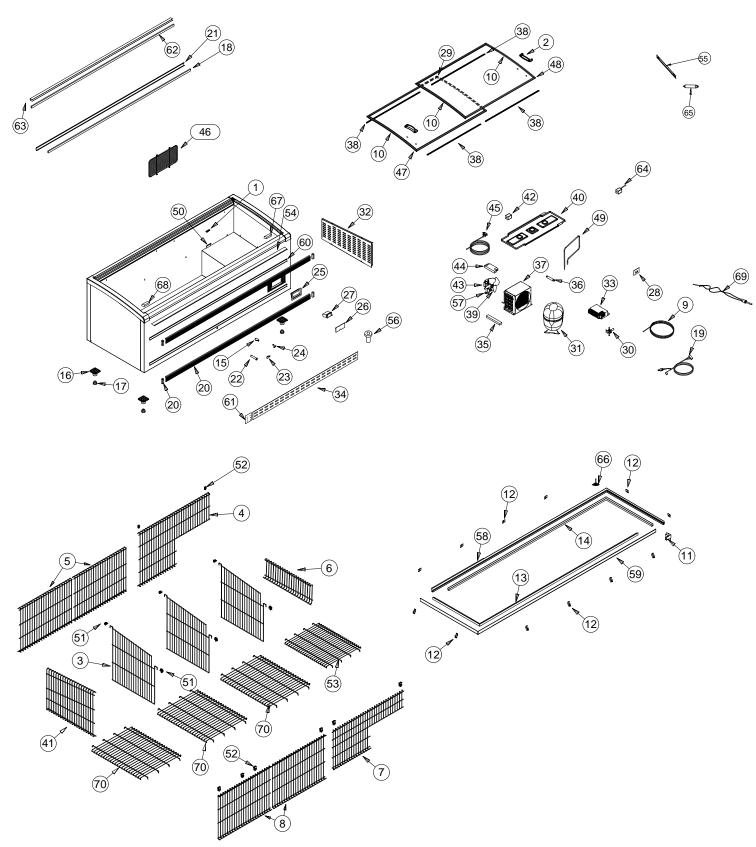
PART NUMBER 3113457 3113497 3113497 3113497 3113497 3113465 3113466		PARTS LIST		
3113457 3151604 31351605 313324 3133327 313332 313332 313465 313332 313463 313464 313329 313325 313464 313329 313464 313329 313464 313329 313464 313329 313462 313466		TITLE	CROSS REF PN	ΔIλ
3151604 3151605 3131605 3131709	3113457	PLUG-WHITE EXTERIOR DRAIN 511.0825	511.0825	_
3113490 3113490 3113490 3113327 3113490 3113332 3113490 3113490 3113491 3113491 3113491 3113491 3113491 3113491 3113491 3113491 3113491 3113491 3113491 3113491 3113491 3113491 3113491	3151604	PLUG-BLACK EXTERIOR DRAIN 511.0166	511.0166	_
3113490 3123327 3123327 313324 313324 3133232 3133465 313465 313465 313465 313465 313465 313465 313465 313465 313465 313465 313466	3151605	PLUG-GRAY EXTERIOR DRAIN 511.0228	511.0228	_
3123327 3153327 313449 3133322 3133322 313465 313322 315661 313469 313462 313462 313463 313663 31663 31	3113490	IN-PURGE 511.0107	2010:115	-
3151610 3123324 3113449 311345302 31123302 3113465 3113465 3113463	3123327	PANEL-CONTROL WO SWITCH R7042 512.0116	512.0116	_
3123324 3113449 3113449 3113450 3113450 3113450 3113463	3151610	PANEL-CONTROL WO SWITCH BLACK 512.0301	512.0301	-
3113499 31135302 3113497 3113465 3113465 3113461 3113461 3113461 3113461 3113461 3113461 3113461 3113461 3113461 3113461 3113461 3113461 3113461 3113461 3113461 3113461 3113461 3113461	3123324	LID-ACRLIC FOR CONTROL PANEL 135 X 57 MM 01.1040	01.1040	_
3113530 3113497 3113497 3113465 31151616 3151616 3151616 31314622 3113463 3113463 3113463 3113463 3113463 3113463 3113463 3113463 3113463 3113463 3113463 3113463 3113463 3113463 3113463 3113463 3113463 3113463 3113463	3113449	NTROLLER-CAREL IR33 VCC 03.0950	03:0950	-
3123302 3113497 3113465 3151617 3151617 313463 3113463 3113469 3113469 3113469 3113469 3113469 3113461 3113461 3113462 3113469 3113469 3113469 3113461 3113461 3113461 3113461 3113461	3113530	PPORT-JOINERS 515.0015	515.0015	4
3113497 3113465 3123322 3151614 3151616 3151617 3113463	3123302	TER-DRAIN CHANNEL 511.0283	511.0283	_
3113465 3123325 3161614 3151616 3131617 3113463 3113464 3113463 3113469 3113489 3113482	3113497	VE-0.25 DEFROST SANHUA 02.0323	02:0323	_
3123322 3151614 3151616 31351617 3113463	3113465	COMPRESSOR-EMBRACO FMFT413U 115-230V-50-60HZ R290 02.0599	6650:20	ı
315,1614 315,1616 313,1617 3113,463 3113,613 3113 31	3123322	PLATE-EXT SIDE WHT GRID 514.1592	514.1592	_
315/616 315/616 313/617 313/617 313/617 313/618 313/62 310/62 310/62 310/62 310/62 310/62 310/62 310/62 310/62 310/62 310/62 310/62 310/62 310/62 310	3151614	TE-EXT SIDE BLK GRID 514.1593	514.1593	-
313463 313463 311452 3113464 3113468 3113462 3113462 3113462 3113462 3113462 3113462 3113462 3113462 3113462 3113462 3113462 3113462 3113461 3113612 3113612	3151616	PLATE-EXT SIDE LIGHT GRAY GRID 514.2160	514.2160	-
3113463 3113379 3113379 3113464 3113462 3113462 3113462 3113462 3113462 3113462 3113462 3113462 3113462 3113462 3113461 31136161 3151612	3151617	PLATE-EXT SIDE DARK GRAY GRID 514.2161	514.2161	-
3114521 3113379 3113464 3113468 3113469 3113489 3113489 3113486 3113496 3113461 31136161 31516161 3151628	3113463	INVERTER-FMFT COMPRESSOR FREQUENCY 02.0604	02.0604	-
3113464 3113468 3113468 3113429 3123226 313322 313420 3151612 3151612 3151628 3153226 313461 3151612	3114521	KICK PLATE-JOIN W SCREWS C519.0036	C519.0036	_
3113464 3113468 3113422 3123225 313322 313322 313342 313462 313462 313461 3151612 3151612 3151612	3113379	TRANSFORMER-LED BAR 60W 2X800MM ASQC2 03.1168	8911160	_
3113468 3114522 3113469 3123225 3113428 3113420 3113462 3113462 3113461 3113461 3151612 3151612 3151628	3113464	FILTER-7.5G IN-6-0UT-3 02.0564	02.0564	-
3114522 3113469 3123225 3113420 3113467 3113467 3113467 311316112 3151612 3151612 3151628	3113468	CONDENSER-WIRE ON TUBE 02:0577	220020	
3113469 3123325 3133225 3113498 3113467 3113467 3113491 3151612 3151628 3153288 3153288	3114522	REW-KICK PLATE 05.0316	05.0316	4
3123328 313325 313488 313487 313462 313454 313522 3151612 3151628 3153288	3113469	FAN BLADE-ASPIRANT TUBE HELIX DIA200MM 28DEG 02.0079	02.0079	-
3123225 3113498 3113462 3113454 3113491 3151612 3151612 3151628 3123292 3123292	3123329	4Y-WATER 512.0295	512.0295	
3113498 3113452 3113454 3113454 3151611 3151612 3151628 3123292 3123288	3123225	PPORT-SIDE SHELF 513.0324	513.0324	_
3113470 3113462 3113454 3113491 3151611 3151612 3151628 3123292 3123298	3113498	VE-I2W II5V SOLENOIDE DEFROST SANHUA 02.0607	2090:20	-
3113462 3113491 3151611 3151612 3151628 3123288 3123288	3113470	MOTOR-FAN HIGH EFFICIENCY NIQ 02.0602	02:0602	-
3113454 3113491 3151612 3123292 3151628 3153288	3113462	(-CONNECTOR 03.0834	03.0834	-
313491 3151612 3123292 3123288 3123288	3113454	CABLE-POWER 3G14AWG TYPE-B NEMA 5-15P 03.0221	03.0221	-
3151612 3123292 3123288 3123288	3113491	D-WIRE RECTANGULAR WHITE EXTERIOR 430X220NM .0046	513.0046	-
3123292 3123292 3151628 3123288	3151611	GRID-WIRE RECTANGULAR BLACK EXTERIOR 430X220MM 513.0208	513.0208	-
3123292 GLASS-LD C093010 3151628 GLASS-LD C093114 3123288 GLASS-LD C093009	3151612	GRID-WIRE RECTANGULAR GRAY EXTERIOR 430X220MM 513.0253	513.0253	-
3151628 GLASS-LID C09.3114 3123288 GLASS-LID C09.3009	3123292		0108:3010	-
3123288 GLASS-LID C09.3009	3151628	SLIDING	C09.3114	ı
0 - 004 10 2001310	3123288	SS-LID SLIDING GRAY 2200 INFERIOR W HANDLE 3,3009	6008:600	-
C09.3113	3151627	SS-LID SLIDING BLACK 2200 INFERIOR W HANDLE 3.3113	EHE:600	_

		PARTS LIST		
ПЕМ	PART NUMBER	TITLE	CROSS REF PN	QTY
Ia	3113477	SUPPORT-PROBE PLASTIC 511.1259	511.1259	_
q	3154678	SUPPORT-PROBE PLASTIC BLK 511.0343	511.0343	-
2a	3113374	HANDLE-200MM SLIDING LID RAL7042 W SCREWS C5II.0549	C5III.0549	2
2b	3151629	HANDLE-200MM SLIDING LID BLACK W SCREWS C5II.0887	C5II.0887	2
3a	3113519	DIVIDER-BIG W SUPPORT C513.0071	C513.0071	3
3b	3154703	DIVIDER-BIG W SUPPORT BLK C513.0307	C513.0307	3
4a	3113520	SUPPORT-SHELF BACK STEP SIDE 513.0014	513.0014	-
4b	3154686	SUPPORT-SHELF BACK STEP SIDE BLK 513.0310	513.0310	-
5a	3113521	SUPPORT-BACK SHELF 513.0026	513.0026	-
2b	3154684	SUPPORT-BACK SHELF 2200 BLK 513.0308	513.0308	-
<u></u>	3123226	SUPPORT-STEP SIDE SHELF 513.0325	513.0325	-
q9	3154699	SUPPORT-STEP SIDE SHELF BLK 513.0474	513.0474	-
У.	3113524	SUPPORT-SHELF FRONT STEP SIDE 513.0013	513.0013	ı
42	3154687	SUPPORT-SHELF FRONT STEP SIDE BLK 513.0311	513.0311	1
80	3113525	SUPPORT-FRONT SHELF 513.0020	513.0020	-
98	3154685	SUPPORT-FRONT SHELF 2200 BLK 513.0309	513.0309	-
6	3113476	PROBE-NTC015HP00 1.5M 03.0499	03.0499	2
0	3114518	KICK PLATE-FRONT 2200 519.0034	519.0034	-
Π	3114524	CORNER-DEFROST W HOLE 511.0020	511.0020	1
q	3154683	CORNER-DEFROST W HOLE BLK 511.0864	511.0864	_
12a	3113500	SUPPORT-DRAIN CHANNEL-EVAPORATOR 511.0971	511.0971	22
12b	3154681	SUPPORT-DRAIN CHANNEL-EVAPORATOR BLK 511.0451	511.0451	22
<u>8</u>	3123243	CHANNEL-ALUMINIUM INFERIOR 2025X707MM C515.0826	C515.0826	_
4	3123229	CHANNEL-ALUMINIUM SUPERIOR 2045X687MM C515.0827	C515.0827	-
15a	3113488	PLUG-INTERIOR DRAIN 511.0105	511.0105	-
15b	3154677	PLUG-INTERIOR DRAIN BLK 511.0204	511.0204	-
9	3113473	LEG-85MM WITH LEVELER C511.0220	C511.0220	4
71	3113445	LEVELER-M12 X 50MM 511.0017	511.0017	4
8	3113527	LED BAR-1950MM 5000K ECO ASQC2 03.1164	03.1164	-
6	3128218	CABLE-FMFT INVERTER 03.1183	03.1183	-
20a	3123247	BUMPER KIT RAL7016 I PER CASE C01.1509	C01.1509	-
20b	3128219	BUMPER KIT BLACK I PER CASE COI.1054	C01.1054	-
2	3123319	DIFFUSER-LIGHT 2052MM 511.0569	511.0569	-
22a	3113489	PIPE-WHITE DRAIN 511.0347	511.0347	-
22b	3151606	PIPE-BLACK DRAIN 511.0348	511.0348	-
22c	3151607	PIPE-GRAY DRAIN 511.0349	511.0349	-

5-14 SERVICE

CASE EXPLODED PART VIEWS

BNKR2500A



P/N 3116321_D 5-15

09.0988

9000.70 05.0316 01.1598 01.1697 01.1696

511.1001

C519.0036

03.1167

01.1459

01.1602

511.0452

511.0456 511.0937 511.0457 02.0638

03.0572

01.1244 01.1415 02.0643 511.0283 511.0936 513.0435

CASE EXPLODED PARTS BNKR2500A

P

CROSS REF

C09.3014

511.0854

511.0450

511.0444 513,0003 513.0313

GLASS-LID SLIDING BLACK 2500 SUPERIOR W HANDLE CHANNEL-DRAIN SUPERIOR BLK 2353X688MM 01.1697 3154675 CHANNEL-DRAIN INFERIOR BLK 2320X718MM 01.1696 3123306 CHANNEL-DRAIN SUPERIOR 2353X688MM 01.1598 3113563 LED BAR-DIFFUSED 2250MM 5000K ECO ASQC2 03.1167 CHANNEL-DRAIN INFERIOR 2320X718MM 01.1602 3154679 SUPPORT-SHELF PLASTIC WALL BLK 511.0444 MODULE-COMUNICATION IROPZ48500 03.0572 SUPPORT-PVC LED BLACK 2356MM 01.1415 SUPPORT-PVC LED GRAY 2356MM 01.1244 3154680 DIVIDER-PLASTIC SUPPORT BLK 511.0450 SUPPORT-SHELF PLASTIC WALL 511.0851 3113559 HEATER-DEFROST RESISTANCE 03.1099 KICK PLATE-JOIN W SCREWS C519.0036 3154682 FILTER-DRAIN CHANNEL BLK 511.0452 SUPPORT-FAN MOTOR 72MM 09.0988 3113486 DIVIDER-PLASTIC SUPPORT 511.0854 PRICE TAG-HOLDER 2345MM 511.1001 SUPPORT-BUMPER 2440MM 01.1459 SHELF-WIRE 590MM BLK 513.0492 SHELF-WIRE 450MM BLK 513.0313 3123302 FILTER-DRAIN CHANNEL 511,0283 3129878 SWITCH-HIGH PRESSURE 02.0638 3123328 LABEL-CHARGE LEVEL 07.0006 3113482 SHELF-WIRE 450MM 513,0003 3151609 STOP-LID RH BLACK 511.0456 3151613 SHELF-WIRE 590MM 513.0435 3123228 FILTER-DEFROSTING 02.0643 STOP-LID LH BLACK 511.0457 STOP-LID RH GRAY 511.0936 SCREW-KICK PLATE 05.0316 STOP-LID LH GRAY 511.0937 3154689 3113560 3123313 3113564 3113487 3114522 3113506 3154676 3114521 3123246 3123245 3151622 3123310 3151601 3113517 TEM 5lb 52b 53a 58a 59a 29b 63a 63b 66a 48b 49 5<u>la</u> 52a 53b 22 28b 62 64 99g 98g 69 20 54 56 99 9 9 CROSS REF C01.0833 512.0295 513.0253 511.0825 511.0228 511.0107 5120116 512.0301 03:0950 515.0015 02.0323 514.1592 514.1593 514.2160 02.0604 519,0035 03.1168 02.0564 513.0324 513.0475 02.0602 03.0834 03.0221 513.0046 209.3013 209.3012 02.0599 514.2161 02.0079 02.0607 C09.30 III 01.1040 01.1163 020577 LID-ACRLIC FOR CONTROL PANEL 135 X 57 MM 01.1040 TRANSFORMER-LED BAR 60W 2X800MM ASQC2 03.1168 GRID-WIRE RECTANGULAR GRAY EXTERIOR 430X220MM CABLE-POWER 3G14AWG TYPE-B NEMA 5-15P 03.0221 GLASS-LID SLIDING GRAY 2500 SUPERIOR W HANDLE C09:3012 3113463 INVERTER-FMFT COMPRESSOR FREQUENCY 02.0604 FAN BLADE-ASPIRANT TUBE HELIX DIA200MM 28DEG 02:0079 GLASS-LID SLIDING BLACK 2500 INFERIOR W HANDLE GLASS-LID SLIDING GRAY 2500 INFERIOR W HANDLE C09.3011 VALVE-12W 115V SOLENOIDE DEFROST SANHUA PANEL-CONTROL WO SWITCH R7042 5120116 3151610 PANEL-CONTROL WO SWITCH BLACK 512.0301 PLATE-EXT SIDE LIGHT GRAY GRID 514.2160 GRID-WIRE RECTANGULAR BLACK EXTERIOR 430X220MM 513.0208 GRID-WIRE RECTANGULAR WHITE EXTERIOR PLATE-EXT SIDE DARK GRAY GRID 514.216 MOTOR-FAN HIGH EFFICIENCY NIQ 02.0602 CONTROLLER-CAREL IR33 VCC 03.0950 SUPPORT-JOINERS 515.0015 VALVE-0.25 DEFROST SANHUA 02.0323 PLUG-WHITE EXTERIOR DRAIN 511.0825 PLUG-BLACK EXTERIOR DRAIN 511.0166 LID-SLIDING PROFILE 1195MM C01.0833 PLUG-GRAY EXTERIOR DRAIN 511.0228 SUPPORT-SIDE SHELF BLK 513.0475 CONDENSER-WIRE ON TUBE 02:0577 3151614 PLATE-EXT SIDE BLK GRID 514.1593 COMPRESSOR-EMBRACO FMFT413U 115-230V-50-60HZ R290 02.0599 PLATE-EXT SIDE WHT GRID 514.1592 KICK PLATE-FRONT 2500 519:0035 PARTS LIST 3113464 FILTER-7.5G IN-6-0UT-3 02.0564 3123225 SUPPORT-SIDE SHELF 513.0324 LID-SEAL PROFILE 9MM 01.1163 3113462 BOX-CONNECTOR 03.0834 TRAY-WATER 512.0295 DRAIN-PURGE 511.0107 3114519 3154700 3113457 3151605 3123324 3113530 3123326 3151616 3113468 3113469 3113454 3113490 3123327 3123322 3113379 3123329 3113498 3113470 3151611 3123296 3151604 3151617 3113491 3151621 3123301 25b 410 47b 32a 32b 33 47a 23c 25a 44 48a 24 26 28 29 32c 32d 34 35 36 33 40 41b 42 43 45 46a 46b 46c 30 38

		PARTS LIST		
ITEM	PART NUMBER	JULE	CROSS REF PN	QTY
D	3113477	SUPPORT-PROBE PLASTIC 511,1259	511.1259	-
qI	3154678	SUPPORT-PROBE PLASTIC BLK 511.0343	511.0343	-
2a	3113374	HANDLE-200MM SLIDING LID RAL7042 W SCREWS C511.0549	C511.0549	2
2b	3151629	HANDLE-200MM SLIDING LID BLACK W SCREWS C511.0887	C5II.0887	2
3a	3113519	DIVIDER-BIG W SUPPORT C513.0071	C513.0071	9
35	3154703	DIVIDER-BIG W SUPPORT BLK C513.0307	C513.0307	ю
4a	3113520	SUPPORT-SHELF BACK STEP SIDE 513.0014	513.0014	-
4b	3154686	SUPPORT-SHELF BACK STEP SIDE BLK 513.0310	513.0310	-
5a	3113549	SUPPORT-BACK SHELF 600MM 513.0231	513.0231	2
2b	3154691	SUPPORT-BACK SHELF 600MM BLK 513.0316	513.0316	2
6а	3123226	SUPPORT-STEP SIDE SHELF 513.0325	513.0325	-
6b	3154699	SUPPORT-STEP SIDE SHELF BLK 513.0474	513.0474	-
7a	3113524	SUPPORT-SHELF FRONT STEP SIDE 513.0013	513.0013	-
7b	3154687	SUPPORT-SHELF FRONT STEP SIDE BLK 513.0311	513.0311	-
8a	3113550	SUPPORT-FRONT SHELF 600MM 513.0230	513.0230	2
98	3154690	SUPPORT-FRONT SHELF 600MM BLK 513.0315	513.0315	2
6	3113476	PROBE-NTC015HP00 1.5M 03.0499	03.0499	2
01	3113543	LID-SEAL PROFILE 10 X 760MM 01.1227	01.1227	Э
Пa	3114524	CORNER-DEFROST W HOLE 511.0020	511.0020	-
9	3154683	CORNER-DEFROST W HOLE BLK 511.0864	511.0864	-
I2a	3113500	SUPPORT-DRAIN CHANNEL-EVAPORATOR 511.0971	11.0971	24
12b	3154681	SUPPORT-DRAIN CHANNEL-EVAPORATOR BLK 511.0451	511.0451	24
<u>e</u>	3123244	CHANNEL-ALUMINIUM INFERIOR 2325X707MM C515.0825	C515.0825	_
4	3123230	CHANNEL-ALUMINIUM SUPERIOR 2345X687MM C515.0828	C515.0828	-
15a	3113488	PLUG-INTERIOR DRAIN 511.0105	511.0105	-
15b	3154677	PLUG-INTERIOR DRAIN BLK 511.0204	511.0204	-
91	3113473	LEG-85MM WITH LEVELER C511.0220	C511.0220	4
17	3113445	LEVELER-MI2 X 50MM 511.0017	511,0017	4
8	3113551	LED BAR-2250MM 5000K ECO ASQC2 03.1166	03.1166	-
61	3128218	CABLE-FMFT INVERTER 03.1183	03.1183	-
20a	3123247	BUMPER KIT RAL7016 I PER CASE CO1.1509	CO1.1509	-
20b	3128219	BUMPER KIT BLACK I PER CASE COI.1054	C01.1054	-
2	3123320	DIFFUSER-LIGHT 2352MM 511.0570	511.0570	-
22a	3113489	PIPE-WHITE DRAIN 511.0347	511.0347	-
22b	3151606	PIPE-BLACK DRAIN 511.0348	511.0348	-
22c	3151607	PIPE-GRAY DRAIN 511.0349	511.0349	_

NOTES:

HUSSMANN

To obtain warranty information or other support, contact your Hussmann representative. Please include the model and serial number of the product.

Hussmann Corporation, Corporate Headquarters: Bridgeton, Missouri, U.S.A. 63044-2483 01 October 2012