

OPERATOR'S MANUAL

This manual provides information on installation, operating, maintenance, trouble shooting & replacement parts for

9200-32-7

SIDE-MOUNT REFRIGERATOR

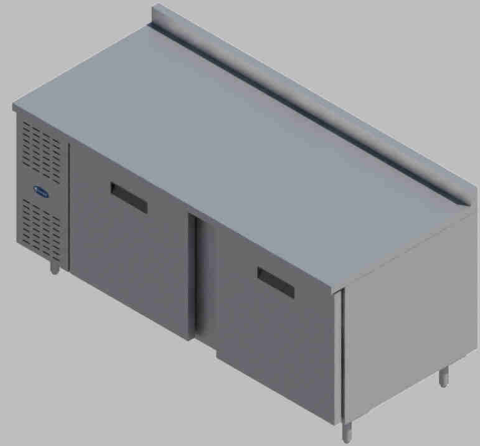


NOTIFY CARRIER OF DAMAGE AT ONCE.

It is the responsibility of the consignee to inspect the container upon receipt of same and to determine the possibility of any damage, including concealed damage. Unified Brands suggests that if you are suspicious of damage to make a notation on the delivery receipt. It will be the responsibility of the consignee to file a claim with the carrier. We recommend that you do so at once.

Manufacture Service/Questions 888-994-7636.

Information contained in this document is known to be current and accurate at the time of printing/creation. Unified Brands recommends referencing our product line websites, unifiedbrands.net, for the most updated product information and specifications.



1055 Mendell Davis Drive
Jackson, MS 39272
888-994-7636, fax 888-864-7636
unifiedbrands.net

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Congratulations on your recent purchase of Unified Brands food service equipment, and welcome to the growing family of satisfied Unified Brands customers.

Our reputation for superior products is the result of consistent quality craftsmanship. From the earliest stages of product design to successive steps in fabrication and assembly, rigid standards of excellence are maintained by out staff of designers, engineers, and skilled employees.

Only the finest heavy-duty materials and parts are used in the production of Unified Brands brand equipment. This means that each unit, given proper maintenance will provide years of trouble free service to its owner.

In addition, all Unified Brands food service equipment is backed by some of the best warranties in the food service industry and by our professional staff of service technicians.

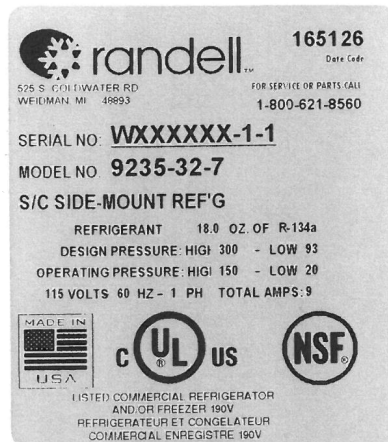
Retain this manual for future reference.

NOTICE: Due to a continuous program of product improvement, Unified Brands reserves the right to make changes in design and specifications without prior notice.

NOTICE: Please read the entire manual carefully before installation. If certain recommended procedures are not followed, warranty claims will be denied.

MODEL NUMBER _____
SERIAL NUMBER _____
INSTALLATION DATE _____

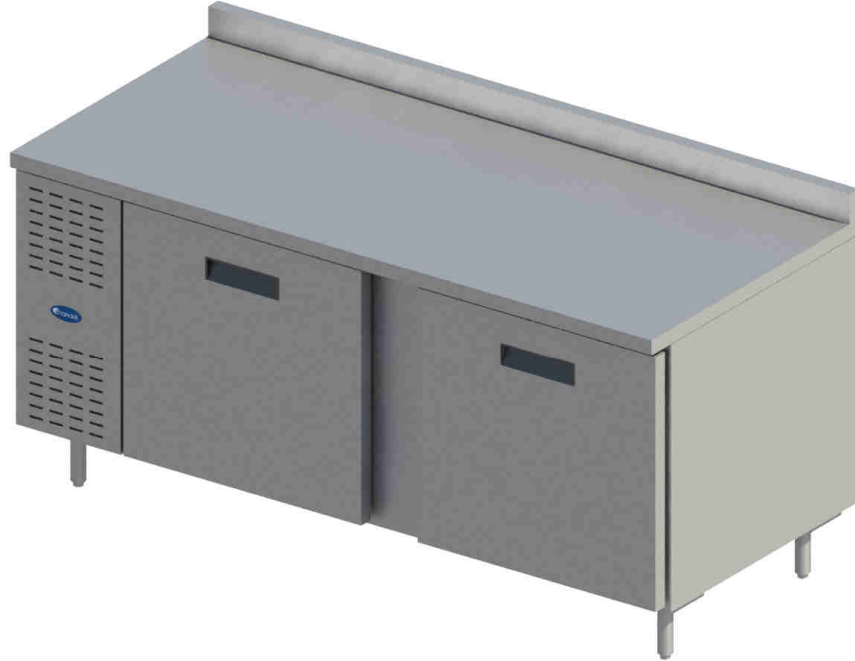
The serial number is located in the cabinet left side or back wall closest to the compressor compartment. An example is shown below.



888-994-7636

**Unified Brands Service and
Parts Hotline**

Unit Specifications



9205-32-7M UNIT SHOWN

MODEL	L	W	H	DOORS	STORAGE CU FT	SHELVES CU FT	HP	VOLT	AMPS	NEMA	SHIP WT
9215-32-7	48"	33"	36"	(2) 18"	11.58	9.5	1/4	115/60/1	6.5	5-15P	325
9205-32-7	60"	33"	36"	(2) 24"	16.21	13.5	1/4	115/60/1	6.5	5-15P	370
9235-32-7	72"	33"	36"	(2) 27"	20.01	20	1/4	115/60/1	6.5	5-15P	370
9225-32-7	84"	33"	36"	(2) 24", (1) 18"	23.16	20	1/4	115/60/1	6.5	5-15P	420

Unit Installation

SELECTING A LOCATION FOR YOUR NEW UNIT

The following conditions should be considered when selecting a location for your unit:

1. **Floor and Countertop Load:** The area on which the unit will rest must be level, free of vibration, and suitably strong enough to support the combined weights of the unit plus the maximum product load weight
2. **Clearance:** Clearance must be a combined total of at least 3" on all sides and back of unit. Do not place any object that can block the ventilation exhaust from the machine compartment register.
3. **Ventilation:** The air cooled self contained unit requires a sufficient amount of cool clean air. Avoid surrounding your equipment stand around other heat generating equipment and out of direct sunlight. Also, avoid locating in an unheated room or where the room temperature may drop below 55° F or above 86° F.

INSTALLATION CHECKLIST

After the final location has been determined, refer to the following checklist prior to start-up:

1. Check all exposed refrigeration lines to ensure that they are not kinked, dented, or rubbing together.
2. Check that the condenser and evaporator fans rotate freely without striking any stationary members.
3. Unit must be properly leveled; check all legs or casters to ensure they all are in contact with the floor while maintaining a level work surface. Adjusting bullet feet heights or shimmying casters may be necessary if the floor is not level. **NOTE: Damage to equipment may result if not followed. Unified Brands is not responsible for damage to equipment if improperly installed.**
4. Allow unit time to cool down to temperature. If temperature adjustments are required, the control is located on the evaporator housing shroud (refer to page 13). Confirm that the unit is holding the desired temperature.
5. Refer to the front of this manual for serial number location. Please record this information in your manual on page 3 now. It will be necessary when ordering replacement parts or requesting warranty service.
6. Before putting in food, allow your unit to operate for approximately two (2) hours so that interior of the unit is cooled down to storage temperature.
7. Check doors to ensure there is proper sealing and alignment.
8. For units with self-closing doors: Check doors to ensure they open and shut freely.

NOTE: All motors are oiled and sealed.

Unit Installation (cont.)

NOTE: All self-contained models are shipped from the factory with the service valves open and ready for operation.

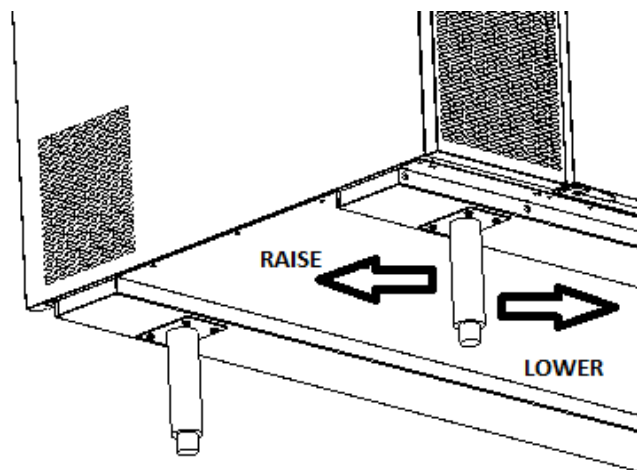
NOTE: FAILURE TO FOLLOW INSTALLATION GUIDELINES AND RECOMMENDATIONS MAY VOID THE WARRANTY ON YOUR UNIT.

ELECTRICAL SUPPLY: Any wiring should be done by a qualified electrician in accordance with local electrical codes. A properly wired and grounded outlet will assure proper operation. Please consult the data tag attached to the compressor to ascertain the correct electrical requirements. Supply voltage and amperage requirements are located on the serial number tag (see page 3 for location).

NOTE: It is important that a voltage reading be made at the compressor motor electrical connections, while the unit is in operation to verify the correct voltage required by the compressor is being supplied. Low or high voltage can detrimentally affect operation and thereby void its warranty.

NOTE: it is important that your unit has its own dedicated line. Condensing units are designed to operate with a voltage fluctuation of plus or minus 10% of the voltage indicated on the unit data tag. Burn out of a condensing unit due to exceeding voltage limits will void the warrant

BULLET-FEET ADJUSTMENT: The legs are equipped with bullet-type leveling bolts. Turn bolts clockwise or counterclockwise until the unit is level (both right to left and front to back). This can be done by hand or with an open end wrench.



Unit Operation

Allow unit to operate for approximately two (2) hours before placing in food.

AMBIENT CONDITIONS

1. This unit is designed for operation in a room ambient of maximum 86°F and 55% relative humidity or less. It should never be used outside or located in direct sunlight.

Unified Brands has attempted to preset the temperature control to ensure that your unit runs at an optimum temperature, but due to varying ambient conditions, including elevation, food type and your type of operation, you may need to alter this temperature using control adjustment until desired temperature is reached..

Before making temperature adjustments:

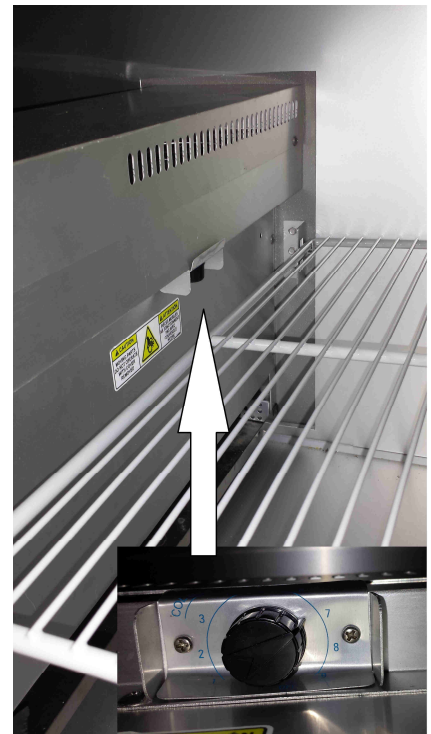
- A. Make sure that you are allowing adequate time for the cabinet temperature to equalize. When initially started or when first loaded, it can take a long time for temperatures in the display area to stabilize.
- B. Make sure that unit operation is not being effected by room ambient conditions. (See Ambient Conditions section above). If there are any significant ambient issues, adjusting the temperature setting may not help.

To raise temperature:

- A. Turn knob counterclockwise, keeping the arrow on the knob pointed within the arc.
- B. Turning counterclockwise beyond the arc can result in shutting off of the compressor.

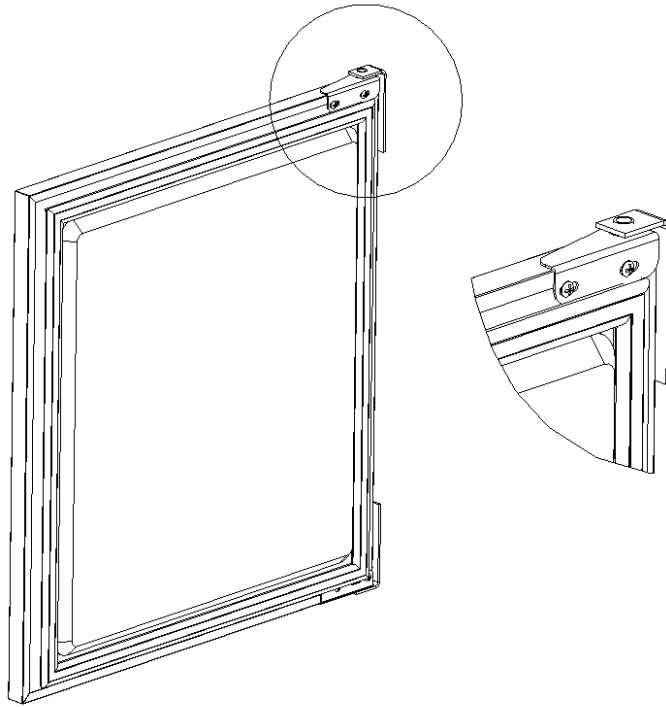
To lower temperature:

- A. Turn knob clockwise, keeping the arrow on the knob pointed within the arc.
- B. Turning clockwise beyond the arc can result in freeze-up.



DOOR ADJUSTMENT

The doors are mounted to the cabinet with two screws on the upper hinge, and a hinge pin on the bottom. To adjust the door, first open it to 90° and loosen the two screws enough to reposition the door. Once repositioned, retighten all screws.



Preventive Maintenance

Unified Brands strongly suggests a preventive maintenance program which would include the following **Monthly** procedures:

1. Cleaning of all condenser coils. Condenser coils are a critical component in the life of the compressor and must remain clean to assure proper air flow and heat transfer. Failure to maintain this heat transfer will affect unit performance and eventually destroy the compressor. Clean the condenser coils with coil cleaner and/or a vacuum cleaner and brush.

NOTE: Brush coil in direction of fins, normally vertically as to not damage or restrict air from passing through condenser.

2. Clean fan blades on the condensing unit and evaporator assembly.

3. Clean and disinfect drain lines and evaporator pan with a solution of warm water and mild detergent.

4. Clean all gaskets on a weekly if not daily basis with a solution of warm water and a mild detergent to extend gasket life.

5. Lubricate door hinges with lithium grease.

NOTE: DO NOT USE SHARP UTENSILS AND/OR OBJECTS.

RECOMMENDED CLEANERS FOR YOUR STAINLESS STEEL INCLUDE THE FOLLOWING:

JOB	CLEANING AGENT	COMMENTS
Routine cleaning	Soap, ammonia, detergent Medallion	Apply with a sponge or cloth
Fingerprints and smears	Arcal 20, Lac-O-Nu, Ecoshine	Provides a barrier film
Stubborn stains and discoloration	Cameo, Talc, Zud, First Impression	Rub in the direction of the polish lines
Greasy and fatty acids, blood, burnt-on foods	Easy-Off, Degrease It, Oven Aid	Excellent removal on all finishes
Grease and Oil	Any good commercial detergent	Apply with a sponge or cloth
Restoration/Preservation	Benefit, Super Sheen	Good idea monthly

Reference: Nickel Development Institute, Diversey Lever, Savin, Ecolab, NAFEM.

NOTE: Do not use steel pads, wire brushes, scrapers, or chloride cleaners to clean your stainless steel. CAUTION: DO NOT USE ABRASIVE CLEANING SOLVENTS, AND NEVER USE HYDROCHLORIC ACID (MURIATIC ACID) ON STAINLESS STEEL.

Preventive Maintenance (cont.)

NOTE: Do not pressure wash equipment as damage to electrical components may result.

Proper maintenance of equipment is the ultimate necessity in preventing costly repairs. By evaluating each unit on a regular schedule, you can often catch and repair minor problems before they completely disable the unit and become burdensome on your entire operation.

For more information on preventive maintenance, consult your local service company or CFESA member. Most repair companies offer this service at very reasonable rates to allow you the time you need to run your business along with the peace of mind that all your equipment will last throughout its expected life. These services often offer guarantees as well as the flexibility in scheduling or maintenance for your convenience.

For a complete listing of current Unified Brands ASA please visit www.unifiedbrands.net

Unified Brands believes strongly in the products it manufactures and backs those products with one of the best warranties in the industry. We believe with the proper maintenance and use, you will realize a profitable return on your investment and years of satisfied service.

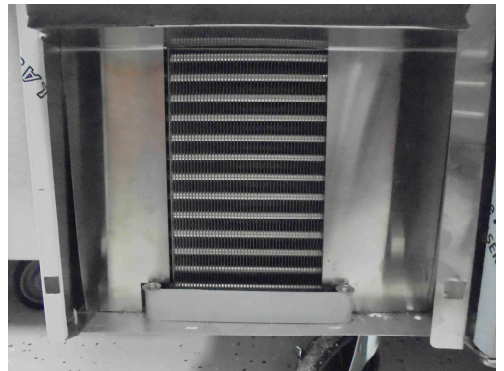
Trouble Shooting Guide

SYMPTOM	POSSIBLE CAUSE	PROCEDURE
Unit does not run	<ol style="list-style-type: none"> 1. No power to unit 2. Power switch in OFF position 3. Temperature control turned off 4. Temperature control faulty 5. Compressor overheated 6. Condenser fan faulty 7. Overload protector faulty 8. Compressor relay faulty 9. Compressor faulty 	<ol style="list-style-type: none"> 1. Plug in unit 2. Switch power switch to ON 3. Check temperature control 4. Test temperature control 5. Clean condenser coil 6. Service condenser fan 7. Test overload 8. Test relay 9. Call for service at 888-994-7636
Unit short cycles	<ol style="list-style-type: none"> 1. Condenser coil dirty 2. Condenser fan faulty 3. Compressor faulty 4. Overload repeatedly tripping 	<ol style="list-style-type: none"> 1. Clean coil 2. Service fan and motor 3. Call for service at 888-994-7636 4. Check outlet voltage
Unit runs constantly	<ol style="list-style-type: none"> 1. Condenser coil dirty 2. Condenser fan faulty 3. Room ambient too high 4. Room humidity too high 5. Frost buildup 6. Door gasket damaged 7. Poor door seal 	<ol style="list-style-type: none"> 1. Clean coil 2. Service condenser motor 3. Reduce room temperature 4. Set room lower 5. Defrost evaporator 6. Replace door gasket 7. Check door seal
Unit not cold enough	<ol style="list-style-type: none"> 1. Temperature control set too high 2. Temperature control faulty 3. Condenser coil dirty 4. Refrigerant leaking or contaminated 5. Room ambient too high 6. Room humidity too high 7. Door gasket damaged 8. Poor door seal 9. Evaporator fan faulty 10. Evaporator iced up 	<ol style="list-style-type: none"> 1. Adjust control to lower setting 2. Test control 3. Clean coil 4. Call for service at 888-944-7636 5. Reduce room temperature 6. Set room lower 7. Replace door gasket 8. Check door seal 9. Service evaporator fan 10. Defrost evaporator Test defrost timer Test Therm-O-Disc Test defrost timer
Unit too cold	<ol style="list-style-type: none"> 1. Temperature control set too low 2. Temperature control faulty 	<ol style="list-style-type: none"> 1. Adjust control to raise setting 2. Test control
Unit noisy	<ol style="list-style-type: none"> 1. Compressor mountings loose or hardened 2. Condenser fan damaged or hitting fan shroud 3. Unit not level 4. Evaporator fan damaged or hitting fan shroud 	<ol style="list-style-type: none"> 1. Tighten or replace compressor mountings 2. Inspect condenser fan 3. Adjust leveling feet 4. Inspect evaporator fan
Unit does not defrost	<ol style="list-style-type: none"> 1. Defrost heater faulty 2. Defrost Therm-O-Disc faulty 3. Defrost timer faulty 	<ol style="list-style-type: none"> 1. Test heater 2. Test Therm-O-Disc 3. Test timer

Trouble Shooting Guide (cont.)

Moisture around door or frame	<ol style="list-style-type: none"> 1. Breaker strip faulty 2. Frame heater faulty 3. Temperature control set too low 	<ol style="list-style-type: none"> 1. Inspect strips 2. Call for service at 888-944-7636 3. Adjust control to raise setting
Ice in drain pan or water in bottom of unit or floor	<ol style="list-style-type: none"> 1. Drain tube clogged 2. Unit not level 	<ol style="list-style-type: none"> 1. Clean drain 2. Adjust leveling feet

CLEANING CONDENSOR COIL: An accumulation of dirt and dust prevents the condenser coil from removing, making your unit cool poorly, run constantly, or even stop completely if the compressor overheats. Clean coil using a vacuum cleaner with wand attachment. If the coil is greasy, wash it with a solution of warm water the mild detergent using a bristle brush. Take care not to drip water onto other parts of the condensing unit.



CLEANING DRAIN AND DRAIN PAN: Clean the drain using an oven baster to force a solution of hot water and baking soda or bleach into the drain opening. To clear a stubborn clog, insert a length of 1/4" round plastic tubing into the drain and push it gently through to the drain pan; pull back out. Wash the drain pan regularly with a solution of warm water and baking soda.



Trouble Shooting Guide (cont.)

CHECKING THE DOOR SEAL: Open the door and examine all four sides of the door gasket for any tears. Feel the gasket for brittleness and/or cracks. If the gasket shows damage, then it must be replaced. If no damage is observed, close the door and check the seal between the gasket and the cabinet for obvious gaps. Next open the door and close it on a dollar bill. Slowly pull the dollar bill out from the door. If the gasket seals properly, you will feel tension as it grips the bill. Repeat this test all around the door. If the gasket does not seal tightly, replace the gasket after first checking the door for any sagging or warping.



SERVICING THE CONDENSER FAN:

Inspect the condenser fan motor by removing the mechanical housing cover to gain access. Unplug the unit. Clean the fan blade, and turn it to see if the blade rotates freely. If the motor binds, replace it. If any damage to the blade is observed, unscrew the retaining nut that holds the blade to the motor shaft and pull the blade off the shaft. Install a new fan blade, replacing any washers, and tighten the retaining nut. To test the condenser fan motor, disconnect the wires to the fan motor. Using a multimeter set at RX10, touch one probe to each terminal. The multimeter needle should show approximately 45 to 50 ohms resistance. A lower reading indicates the motor is faulty and needs to be replaced.



Next, set the multimeter at RX1000 and touch one probe to the motor terminals and the other probe to any unpainted metal part of the unit. If the multimeter needle moves, the motor is grounded and needs to be replaced. To remove the motor, unscrew the bracket that holds the fan motor to its housing. Slide the motor out of the housing. Remove the fan blade from the old motor and attach to the new motor, replacing any washers. Install the new motor in its housing by screwing the bracket into place. Reattach the wires to the motor terminals and reconnect the ground wire.

Trouble Shooting Guide (cont.)

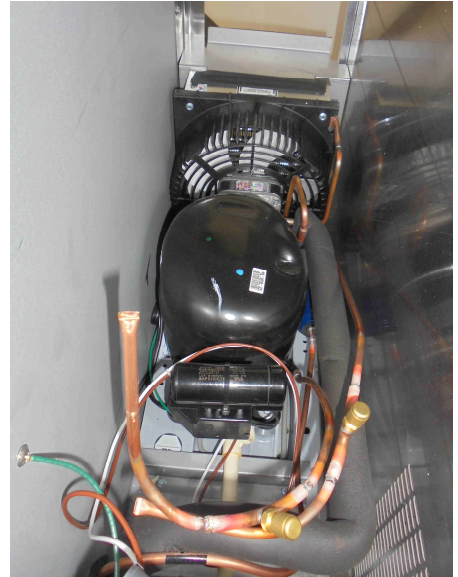
SERVICING THE COMPRESSOR: The compressor is part of the sealed refrigeration system and should be replaced by a professional service technician. You can, however, test the compressor and certain components. Prior to testing, unplug the unit and remove the access cover to the mechanical housing. A small box mounted on the side of the compressor protects the relay, overload protector, and capacitor. Release the wire retaining clip that holds the cover in place and slip off the cover and the clip.

To test the compressor relay, pull the relay straight off the compressor without twisting or damaging it. If the relay has an external wire coil, hold the relay so that the word TOP is up. Using a multimeter set at RX1, place the probes on terminals S and M. The multimeter needle should not move. Remove the probe from terminal M and place it on the side terminal marked L. The multimeter needle should not move. Remove the probe from terminal S and place it on terminal M. The multimeter needle should sweep across the scale, indicating full continuity.

Turn the relay upside down. Using a multimeter set at RX1, place the probes on terminals S and M. The multimeter needle should sweep across the scale, indicating full continuity. Remove the probe from terminal M and place it on the side terminal marked L. The multimeter needle should sweep across the scale, indicating full continuity. Remove the probe from terminal S and place it on terminal M. The multimeter needle should not move.

If the relay fails any of the tests listed above, the relay is faulty and needs to be replaced. Push a new relay onto the compressor terminals and replace the terminal cover. If the relay passes all the tests listed above, proceed to testing of the overload protector.

To remove the overload protector, use a screwdriver to gently pry open the circular spring clip that secures the overload protector to the compressor and snap out the overload protector. Pull the two wire connectors off the terminals. Using a multimeter set at RX1, touch a probe to each overload protector terminal. The multimeter needle should sweep across the scale, indicating full continuity. If the overload protector passes this test, proceed to testing of the compressor. If the overload protector fails this test, the overload protector is faulty and needs to be replaced. Reattach the push-on connectors to the new overload protector, clip it in place on the compressor, and replace the terminal cover.



Trouble Shooting Guide (cont.)

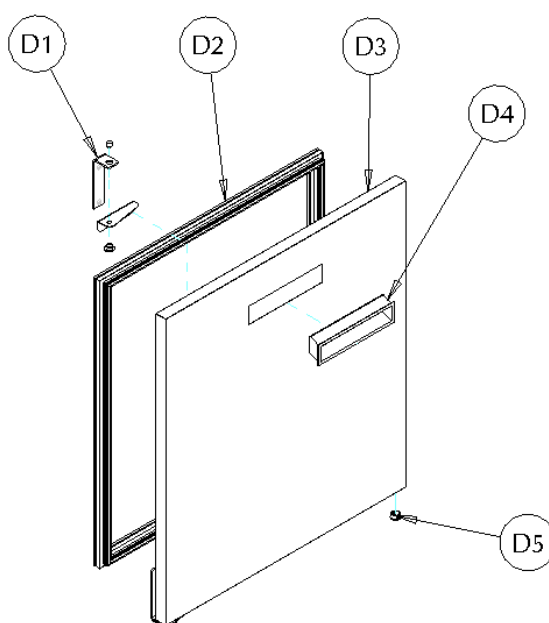
For testing the compressor, use a multimeter set at RX1 to test each of the three terminal pins against each of the other two terminal pins. Each pair should show continuity. Then, with the multimeter set at RX1000, place one probe against the metal housing of the compressor (if necessary, scrape off a small amount of paint to ensure contact with bare metal). Place the other probe on each of the three terminals in turn. If any of the three terminals shows continuity with the housing, the compressor is grounded. If the compressor fails either test, call for service at 888-944-7636. If the compressor passes the tests, reinstall the overload protector, relay, terminal cover, and mechanical housing cover.

Replacement Parts

Call factory for replacement parts.

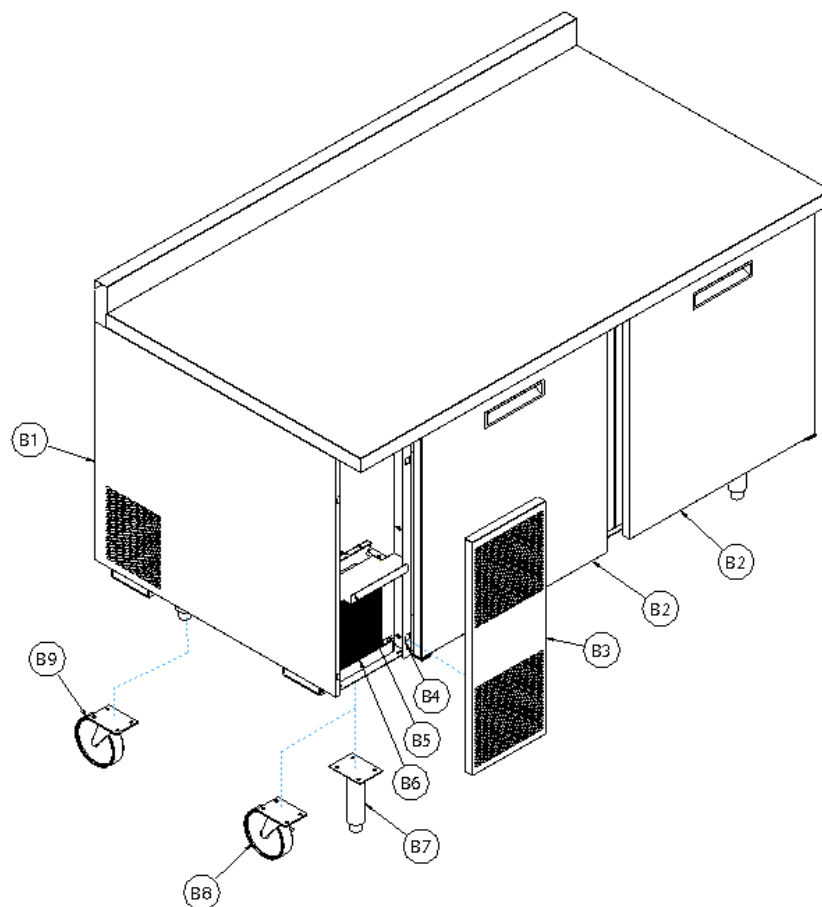
888-944-7636

**Unified Brands Service and
Parts Hotline**



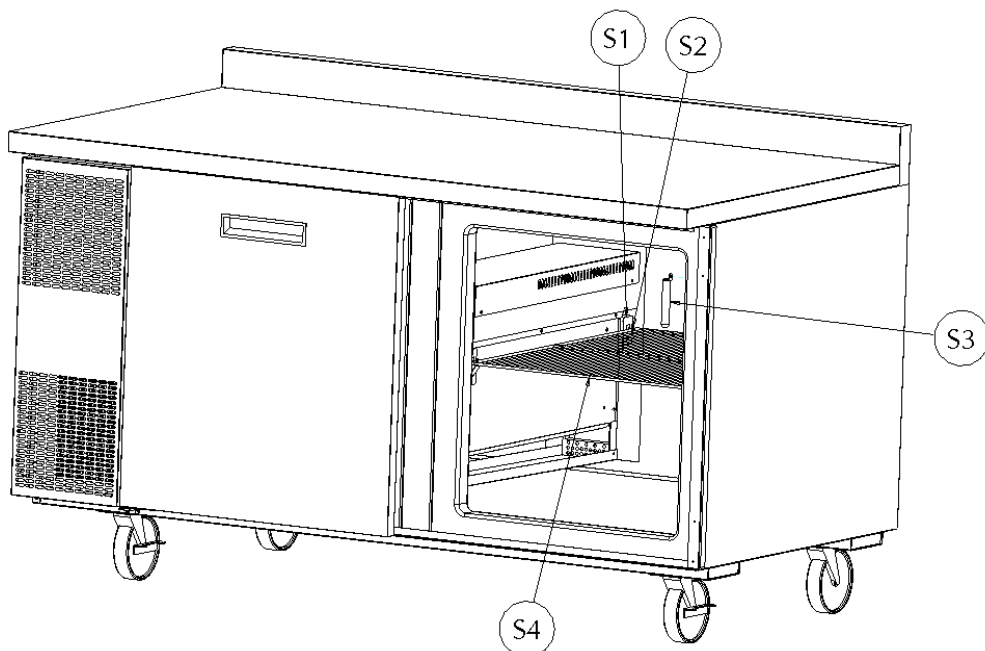
ITEM	DESC	9205-32-7	9215-32-7	9225-32-7	9235-32-7
D1	DOOR HINGE - LEFT	RP HNG9902	RP HNG9902	RP HNG9902	RP HNG9902
	DOOR HINGE - RIGHT	RP HNG9901	RP HNG9901	RP HNG9901	RP HNG9901
D2	GASKET	IN GSK1025	IN GSK1020	IN GSK1025	IN GSK1030
	GASKET	N/A	N/A	IN GSK1020	N/A
D3	REF DOOR ASSEMBLY - LEFT	RP DOR104	RP DOR102	RP DOR104	RP DOR104
	REF DOOR ASSEMBLY - RIGHT	RP DOR103	RP DOR101	RP DOR103	RP DOR103
	REF DOOR ASSEMBLY - CENTER	N/A	N/A	RP DOR101	N/A
D4	HANDLE, BLACK PLASTIC	HD HDL0103	HD HDL0103	HD HDL0103	HD HDL0103
D5	PLUG, FOAM, WHITE	EL PLG062W	EL PLG062W	EL PLG062W	EL PLG062W

Replacement Parts (cont.)



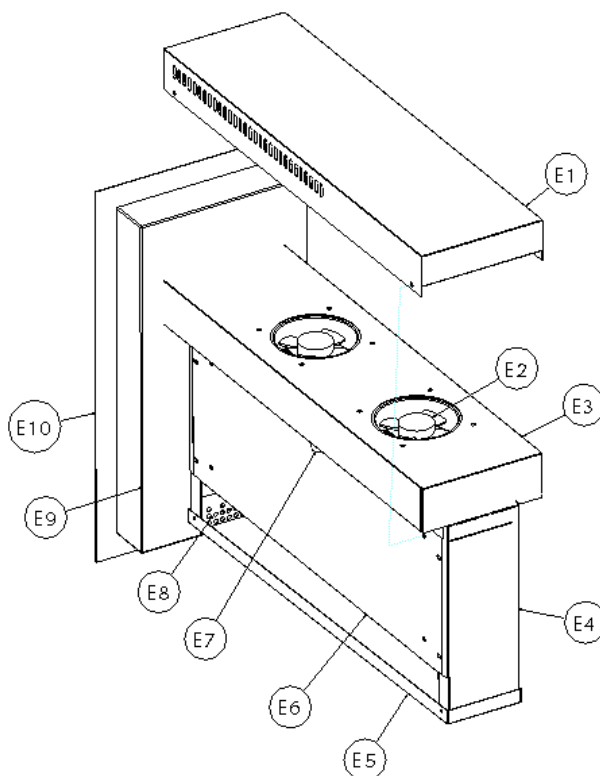
ITEM	DESC	9205-32-7	9215-32-7	9225-32-7	9235-32-7
B1	EXTERIOR SIDE BASE	T07-1006	T07-1006	T07-1006	T07-1006
B2	REFRIGERATOR DOOR	REFER TO PG 25	REFER TO PG 25	REFER TO PAGE 25	REFER TO PG 25
B3	LOUVER PANEL	T07-1025A-D17	T07-1025A-D17	T07-1025C-D17	T07-1025B-D17
B4	LOUVER CLIP	T07-1026-D17	T07-1026-D17	T07-1026-D17	T07-1026-D17
B5	CONDENSER SHROUD	T07-1028C-D17	T07-1028C-D17	T07-1028E-D17	T07-1028D-D17
B6	CONDENSING UNIT	RF CON1406	RF CON1406	RF CON1406	RF CON1406
	CONDENSING UNIT CLIPS	T07-0500	T07-0500	T07-0500	T07-0500
	REFRIGERATION PACKAGE	--	--	--	--
B7	BULLET LEG (STANDARD)	HD LEG9902	HD LEG9902	HD LEG9902	HD LEG9902
	BULLET LEG ASSEMBLY	RQ LEG	RQ LEG	RQ LEG	RQ LEG
B8	LOCKING CASTER (OPTION)	HD CST060	HD CST060	HD CST060	HD CST060
B9	NON-LOCKING CASTER (OPTION)	HD CST061	HD CST061	HD CST061	HD CST061
NOT SHOWN	DRYER	RF FLT251	RF FLT251	RF FLT251	RF FLT251
OPTION	SS BACK PANEL	RP BCK1203	--	--	RP BCK1200

Replacement Parts (cont.)



ITEM	DESC	9205-32-7	9215-32-7	9225-32-7	9235-32-7
S1	SHELF CLIP	HD CLP100	HD CLP100	HD CLP100	HD CLP100
S2	SHELF SUPPORT BRACKET	T07-1501A	T07-1501A	T07-1501A	T07-1501A
S3	THERMOMETER	HD THR100	HD THR100	HR THR100	HD THR100
S4	WIRE SHELF	HD SHL060	HD SHL015	HD SHL060	HD SHL105
	WIRE SHELF	N/A	N/A	HD SHL015	N/A
	WIRE SHELF ASSEMBLY	RQ SHLSM24	RQ SHLSM18	RQ SHLSM24	RQ SHLSM27
	WIRE SHELF ASSEMBLY	N/A	N/A	RQ SHLSM18	N/A

Replacement Parts (cont.)



ITEM	DESC	9205-32-7	9215-32-7	9225-32-7	9235-32-7
E1	EVAP SHROUD GUARD	T07-1504C	T07-1504C	T07-1504C	T07-1504C
E2	FAN	RF FAN1401	RF FAN1401	RF FAN1401	RF FAN1401
E3	EVAP FAN SHROUD	T07-0528-D17	T07-0535-D17	T07-0528-D17	T07-0528-D17
E4	EVAP HOUSING	RP HSG0801	RP HSG0801	RP HSG0801	RP HSG0801
E5	EVAP HOUSING DRAIN PAN	RP DRP011	RP DRP011	RP DRP011	RP DRP011
E6	EVAP HOUSING COVER	RP SHD0103 RP SHD0104	RP SHD0103 RP SHD0104	RP SHD0103 RP SHD0104	RP SHD0103 RP SHD0104
E6	EVAP COIL	RF COI125	RF COI125	RF COI125	RF COI125
E7	CONTROL	HD CNT1401	HD CNT1401	HD CNT1401	HD CNT1401
E7	CONTROL KNOB GUARD	T07-1507	T07-1507	T07-1507	T07-1507
E8	DRAIN COVER	RP DSN0101	RP DSN0101	RP DSN0101	RP DSN0101
E8	EVAP HOUSING DRAIN TUBE	T07-0533	T07-0549	T07-0549	T07-0549
E9	PKG OPENING SUPPORT BRACKET	T07-0539	T07-0539	T07-0539	T07-0539
E9	PKG OPENING BOX	T07-0536	T07-0536	T07-0536	T07-0536
E10	EVAP HOUSING BACKING	T07-1500	T07-1500	T07-1500	T07-1500
**	EVAPORATOR ASSEMBLY	--	--	--	--
NOT SHOWN	VALVE	RF VLV200	RF VLV200	RF VLV200	RF VLV200

NOTES