



How to Maintain Your *TRUE* Cooler to Receive the Most Efficient and Successful Operation

You have selected one of the finest commercial refrigeration units made. It is manufactured under strict quality controls with only the best quality materials available. Your TRUE cooler when properly maintained will give you many years of trouble-free service.

Como Mantener Su Refrigerador *TRUE*. Para Obtener Lo Maximo De Eficiencia Y Anos De Servicio

Usted a escogido, *TRUE*, lo mejor en refrigeracion comercial. *TRUE* es fabricado bajo estricto control de calidad con los materiales de la mas alta calidad. Su refrigerador *True* mantenido con un minimo de cuidado le ofrecera muchos años de servicio sin intervencion de un tecnico.



MANUFACTURING COMPANY

St. Charles Industrial Center

P.O. Box 970

O'Fallon, Missouri 63366

Welcome to the World Wide Family of Proud and Happy Owners of *True*. Coolers!!!

TRUE Coolers are manufactured with the finest materials available under rigid quality controls. However, they still need a minimum amount of care from you to achieve years of trouble-free service.

Your TRUE Cooler will give you years of superior performance if you follow these simple suggestions.

CONDENSER

If you keep the Condenser clean you will minimize service and lower your electric costs. The Condenser is accessible by removing the *Louvered Grill* on the front of the cooler. Although your TRUE Cooler uses a minimum amount of electricity due to superior insulation in the cabinet and doors, it is very important to keep the Condenser clean. The cleaner the Condenser, the less the cooler will run. Cleaning of Condensers should be done when needed depending upon regional conditions and the location of your Cooler. Use compressed air to blow the dust and grime from your Condenser. A stiff brush will help. You must be able to see through your Condenser.

VOLTAGE

When your TRUE Cooler was installed the installation person checked your wiring to see that you had plenty of current to properly operate the refrigeration unit. Under no circumstances add additional loads between the source of power and the Cooler. Do not plug other electrical units into the same wall outlet your Cooler is plugged into or plug electrical units on the same circuit. Do not use an extension cord.

TO CLEAN THE CABINET

The exterior may be wiped clean with soap and water. Use a good stainless cleaner on the countertop and the doors.

CAUTION

Do not use any steel wool, abrasive or chlorine based products to clean stainless steel surfaces.

The interior of the Cooler should be cleaned periodically and we recommend a mild solution of baking soda and water which will help reduce any inherent odors. Do not use harsh cleansers on any surface of the interior.

REPLACEMENT PARTS

TRUE maintains indefinitely a record of the cabinet serial number of your Cooler. If, at any time during the life of your Cooler, be it two years or twenty years, a part is needed, you may obtain this part by furnishing the serial number to the company from whom you purchased the Cooler.

Bienvenido al Club Mundial de orgullosos y complacidos dueños de los refrigeradores, *True*, el verdadero.

Los refrigeradores TRUE son fabricados con los mejores materiales disponibles bajo los mas rigidos controles de calidad. Sin embargo, necesitan de un minimo de limpieza y cuidado para asegurarle muchos años de funcionamiento sin intervencion de un tecnico de refrigeracion.

Su refrigerador TRUE le proporcionara muchos años de servicio si usted sigue las sugerencias siguientes.

CONDENSADOR

Para un bajo consumo de electricidad mantenga el condensador de su TRUE siempre limpio. Este condensador esta protegido por una reja que se encuentra en la parte baja al frente de su refrigerador. Saque esta reja aflojando de los tornillos y levantandola de sus enganches. Aunque la alta densidad de la espuma inyectada y la puerta de triple paño de vidrio provee un aislamiento frigorifico maximo, un condensador limpio es imprescindible para que el compresor trabaje lo minimo y descance lo maximo, ahorrando electricidad. La frecuencia de limpieza del condensador varia con las condiciones ambientales. Si utiliza aire comprimido para soplar el polvo y la suciedad fuera del condensador, cubre este con un paño mojado para impedir que el polvo se reparta en la tienda. Se puede sencillamente utilizar un cepillo duro. Es recomendable que se pueda ver a traves del condensador y asegurarse que el aire fluya sin impedimento a traves del condensador. Reponga la reja en su sitio.

VOLTAGE

Cuando su refrigerador TRUE fue instalado, el tecnico que lo hizo se aseguro que los alambres electricos son suficientemente gruesos para cargar con la corriente electrica adecuada. Bajo ninguna circunstancia puede instalarse un equipo adicional entre el enchufe y su refrigerador TRUE. Tampoco se puede utilizar un cordón de extension.

LIMPIEZA DEL MUEBLE

El exterior del mueble se puede limpiar con agua y detergente. Utilize un limpiador de acero inoxidable para el tope y las puertas de metal de su botellero. El interior de los armarios y vitrinas debe ser limpiado de vez en cuando y se recomienda una solucion de bicarbonato de sodio con agua para eliminar el olor de ciertas comidas.

PRECAUCION

No use lana de metal, detergentes toxicos, o detergentes con base de cloro para limpiar las superficies de acero inoxidable.

De especial cuidado debe ser los rieles de acero inoxidable de las puertas corredizas. El polvo, la grasa, o pedazitos de botella o metal puede a lo largo impedir el cierre automatico de las puertas corredizas, por detener el libre movimiento de las ruedillas de acero inoxidable que se encuentran en la parte baja de las puertas.

PIEZAS DE RECAMBIO

TRUE mantiene indefinidamente un record del numero de serie del mueble de su refrigerador. A todo lo largo de la vida de su refrigerador, sea cinco o veinte años, usted puede obtener de su proveedor local o directamente de TRUE, cualquier pieza de recambio que necesite, solamente refiriendose al numero de serie inscrito sobre la placa interior en la parte superior izquierda mirando frente al mueble.

Gracias por haber escogido TRUE, el verdadero.



IMPORTANT SAFEGUARD FOR INSTALLATION OF LEG/CASTOR

Securing Castors and Legs

To obtain maximum strength and stability of the unit, it is important that you make sure each castor is secured with a 3/4" open-end wrench. Legs are hand-tightened securely against the lower rail assembly. The bearing race on the castor or the top edge of the leg must make firm contact with the rail.

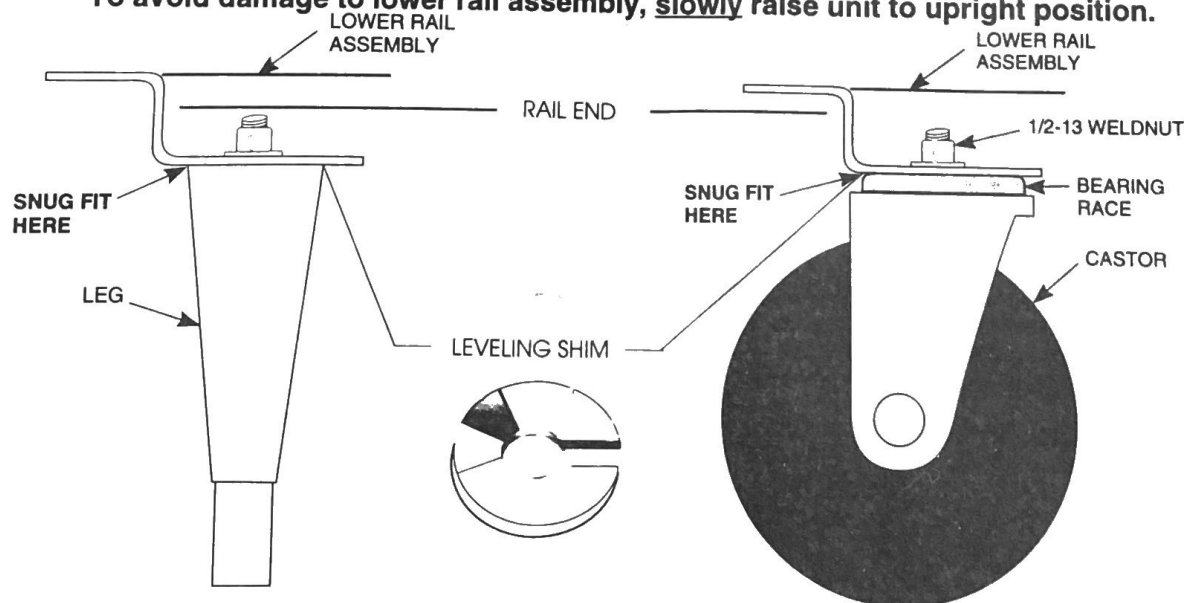
Unit Leveling

Four leveling shims have been provided for leveling castored units positioned on uneven floors. Shims must be positioned between rail end and bearing race.

1. Turn the bearing race counter-clockwise until the cabinet is level. Level front to back and side to side. (diagonally)
2. Install the desired number of shims, making sure the slot of the shim is in contact with the threaded stem of the castor.
3. If more than one shim is used, turn the slot at a 90° angle so they are not in line.
4. Turn the bearing race clockwise to tighten and secure the castor by tightening the anchoring bolt with a 3/4 inch open-end wrench.

CAUTION

To avoid damage to lower rail assembly, slowly raise unit to upright position.





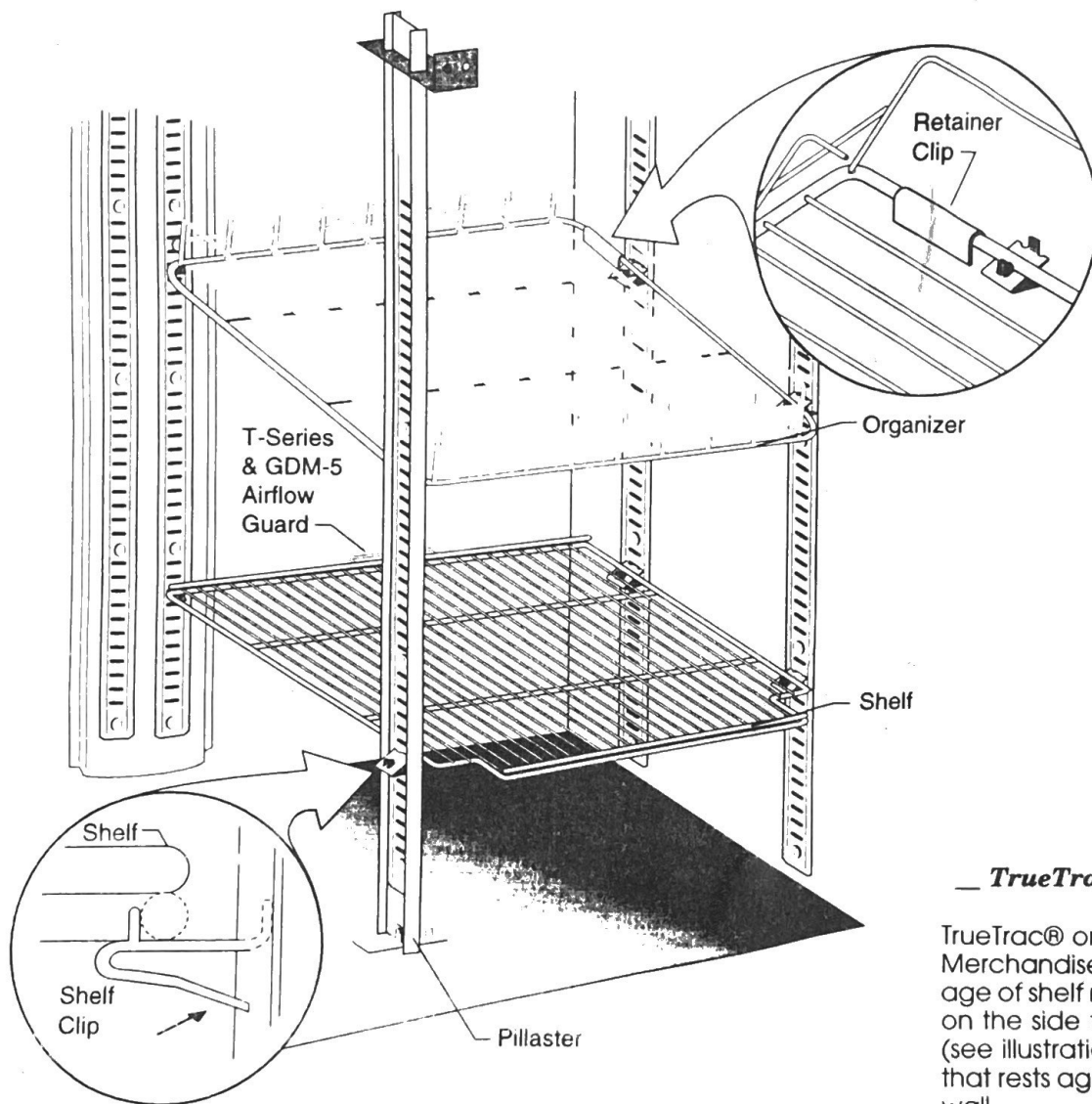
True Manufacturing Company, Inc.
BUILDING THE FINEST COMMERCIAL REFRIGERATION - True, "The Best of the Cold Ones"

Installation Instruction
Shelf / Organizer



INSTALLATION INSTRUCTION

Shelf / Organizer



TrueTrac® ORGANIZERS

TrueTrac® organizers for Glass Door Merchandisers come with a package of shelf retainer clips. Install clip on the side to the rear of organizer (see illustration) to end of organizer that rests against left or right outside wall.

With correct installation, the retainer clip should separate the rear of the organizer from the rear shelf clip (shown in illustration).

NOTE

No retainer clips needed on center organizers of a GDM-69

SHELF & ORGANIZER INSTALLATION

Step 1

- Hook shelf clips onto pillaster strips (see illustration).
- Position all four shelf clips equal in distance from the floor for flat shelves.
- Lower front of gravity feed TrueTrac® organizers to enable proper feed.

WIRE SHELVES

Wire shelves are oriented so that cross support bars are facing down.

NOTE

T-Series and GDM-5 models include an airflow guard on the rear of shelves to maintain an air space at the rear of the cabinet (see illustration)

Step 2

Place shelves or organizers on shelf clips making sure all corners are seated properly.

IMPORTANT INFORMATION: READ THESE INSTRUCTIONS



INSTRUCTION SHEET

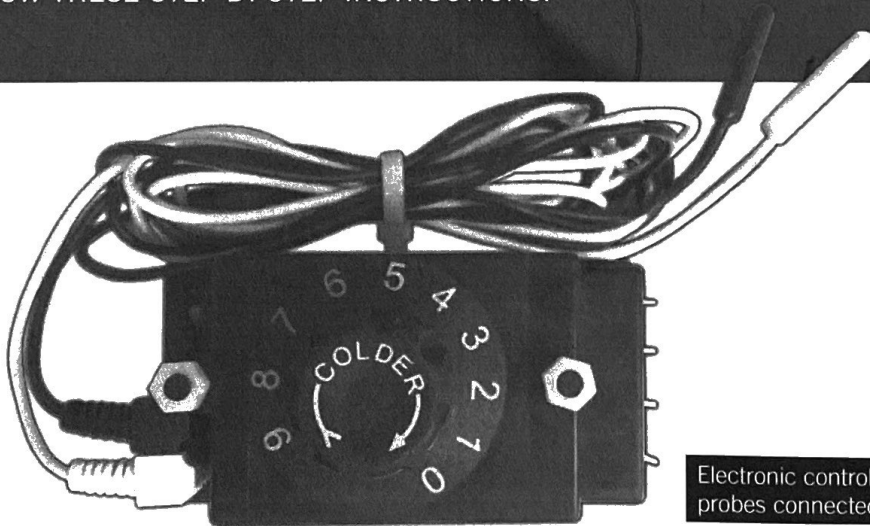
RETROFIT FROM A MECHANICAL CONTROL TO AN ELECTRONIC TEMPERATURE CONTROL

At TRUE, we are continually searching out environmentally friendly components and processes that will reduce our carbon footprint. This process encapsulates both our approach to manufacturing as well as our approach to the performance of our equipment.

For 70 years, TRUE's commercial refrigeration focus has enabled us to become experts on the design and development of our systems. While energy efficiency has always been part of our design process, we have recently put forth an initiative to improve our systems to be the most efficient in the industry, without sacrificing the performance that ultimately provides food safety for our customers throughout the World.

THE **NEW ELECTRONIC CONTROL** WILL MOUNT IN THE SAME LOCATION AS THE MECHANICAL CONTROL. THE NEW ELECTRONIC CONTROL USES TWO PROBES INSTEAD OF A SINGLE COIL SENSING CAPILLARY FROM THE MECHANICAL CONTROL.

PLEASE FOLLOW THESE STEP-BY-STEP INSTRUCTIONS.



Electronic control with probes connected.

Spanish and French versions included.

TRUE FOOD SERVICE EQUIPMENT, INC.
2001 East Terra Lane • O'Fallon, Missouri 63366-4434
(636)-240-2400 • FAX (636)-272-2408 • INT'L FAX (636)272-7546 • (800)-325-6152
Parts Department (800)-424-TRUE • Parts Department FAX# (636)-272-9471
Web: www.truemfg.com



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INSTALLATION INSTRUCTIONS: RETROFIT FROM A MECHANICAL CONTROL TO AN ELECTRONIC TEMPERATURE CONTROL

REASON FOR INSTRUCTION.

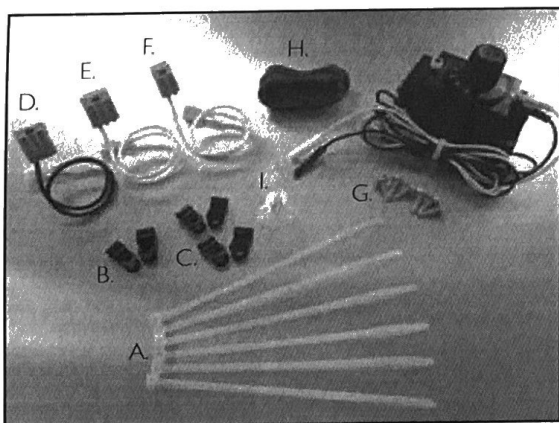
These instructions are for replacing a mechanical control with an Electronic Control. These instructions are not model specific and are meant as a general installation guide.

These instructions are designed to cover a number of different cabinets. We have assembled a parts kit that should contain anything you need. When installing your new control, all parts may not be necessary.

WE REQUIRE THAT ANY PARTS BEING USED FOR THIS REPAIR BE OEM. IF YOU ARE MISSING A PART PLEASE CONTACT US RIGHT AWAY.

THIS KIT NEEDS TO BE INSTALLED BY A QUALIFIED SERVICE TECHNICIAN.

IF YOU HAVE ANY QUESTIONS, PLEASE CALL TRUE SERVICE. SEE LAST PAGE FOR CONTACT INFORMATION.



TOOLS REQUIRED

- 1/4" Nut Driver
- Wire Cutter/Stripper/Crimper
- Volt Meter
- Phillips Screwdriver
- Flat Blade Screw Driver
- Power Drill With 1/4" Bit Driver
- Adjustable Wrench

NOTE: Depending upon model of cabinet and install method, not all tools will be required.

KIT COMPONENTS

- I – ELECTRONIC CONTROL
- I – BLACK PROBE (THERMOSTAT)
- I – WHITE PROBE (DEFROST)

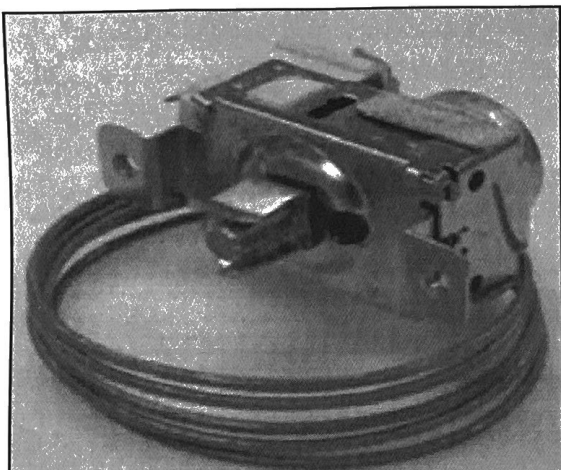
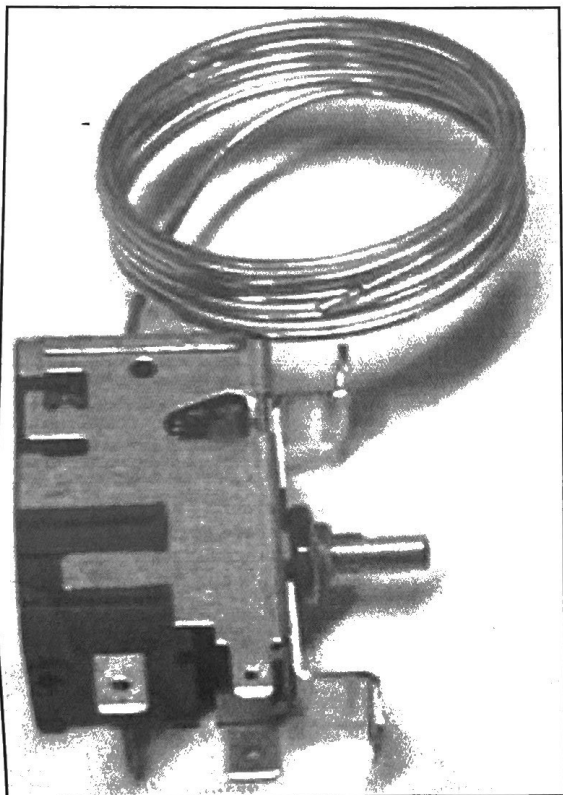
MISCELLANEOUS SPARE COMPONENTS INCLUDES ITEMS LISTED BELOW:

- A. 6 – WIRE ZIPTIES
- B. 2 – 1/4" BLACK P-CLIP
- C. 4 – 3/16" BLACK P-CLIP
- D. 1 – BLACK WIRE WITH TERMINAL AND 3-WAY LEVER CONNECTOR
- E. 1 – WHITE WIRE WITH TERMINAL AND 3-WAY LEVER CONNECTOR
- F. 1 – WHITE WIRE WITH TERMINAL AND 2-WAY LEVER CONNECTOR
- G. 6 – 1/4" HEX HEAD SELF TAPPING SCREWS
- H. 1 – PERMA-GUM
- I. 2 – SMALL STA-KON CRIMP CONNECTORS

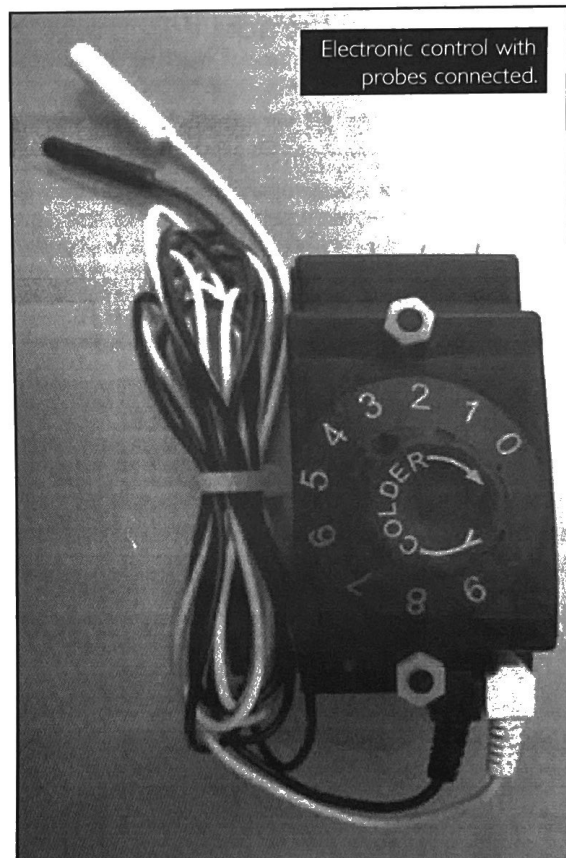
NOTE: TRUE IS ADVISING TO ONLY USE THE SUPPLIED OEM COMPONENTS FOR THE INSTALL OF THE NEW ELECTRONIC CONTROL. IF ANY NON-OEM PARTS ARE TO BE USED, PLEASE CONTACT THE SERVICE DEPARTMENT FOR PRIOR APPROVAL.

RETROFIT FROM A MECHANICAL CONTROL TO AN ELECTRONIC TEMPERATURE CONTROL

MECHANICAL CONTROLS



ELECTRONIC CONTROL

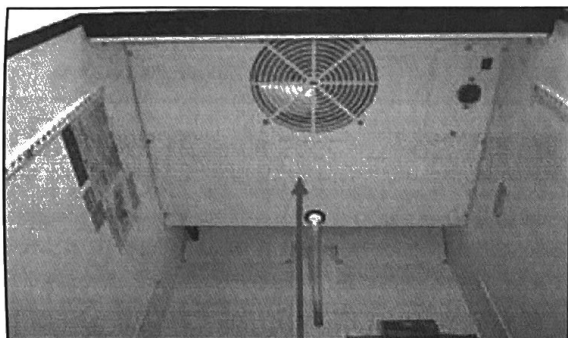


THE NEW ELECTRONIC CONTROL WILL MOUNT IN THE SAME LOCATION AS THE MECHANICAL CONTROL. THE NEW ELECTRONIC CONTROL USES TWO PROBES INSTEAD OF A SINGLE COIL SENSING CAPILLARY FROM THE MECHANICAL CONTROL.

PLEASE FOLLOW THESE STEP-BY-STEP INSTRUCTIONS.

RETROFIT FROM A MECHANICAL CONTROL TO AN ELECTRONIC TEMPERATURE CONTROL

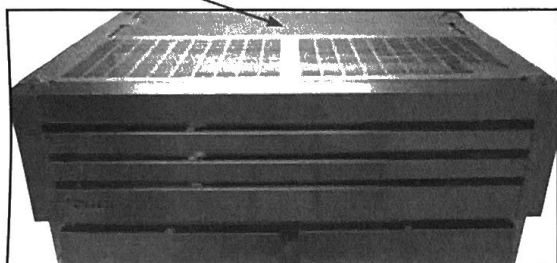
BOTTOM MOUNT CONDENSING UNIT



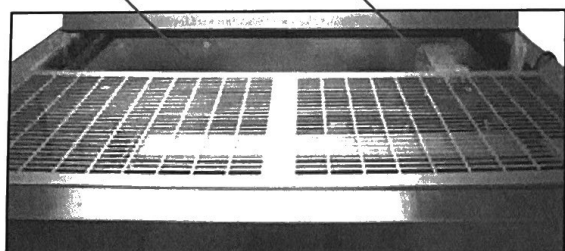
INSIDE EVAPORATOR COVER

TOP-MOUNT CONDENSING UNIT

COVER CLOSED



COVER OPEN. EVAPORATOR IS THE BACK ON THE RIGHT.



INSTRUCTIONS

Unplug cabinet before proceeding.

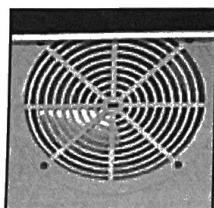
**PLACEMENT OF THE
BLACK THERMOSTAT PROBE**

Thermostat probe cycles the compressor.

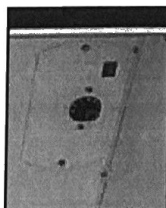
The thermostat probe will be located in the return air area of the evaporator housing. Depending upon the model of cabinet, access may either be from the inside evaporator cover or by the exterior top lid cover (top-mount condensing unit only).

Route the black probe from the temperature control location to the return air area of the evaporator housing. Use any existing access holes with OEM bushing to pass through air baffles.

Any existing perma-gum will need to be reapplied to seal the hole(s). If perma-gum is missing, use perma-gum (item "H" from parts kit).



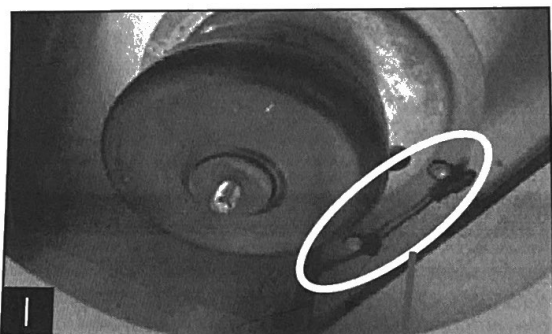
FAN GUARD



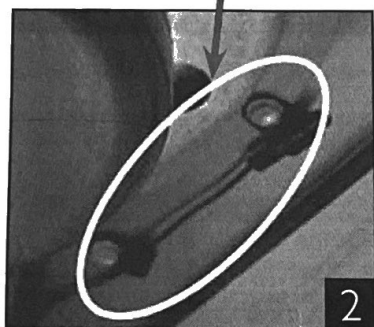
CONTROL PLATE

SOME APPLICATIONS MAY REQUIRE THE REMOVAL OF THE TEMPERATURE CONTROL MOUNTING PLATE AND THE EVAPORATOR FAN GUARD, WHILE OTHER APPLICATIONS WILL REQUIRE THE COMPLETE REMOVAL OF THE ENTIRE EVAPORATOR COVER AND/OR LID COVER.

RETROFIT FROM A MECHANICAL CONTROL TO AN ELECTRONIC TEMPERATURE CONTROL

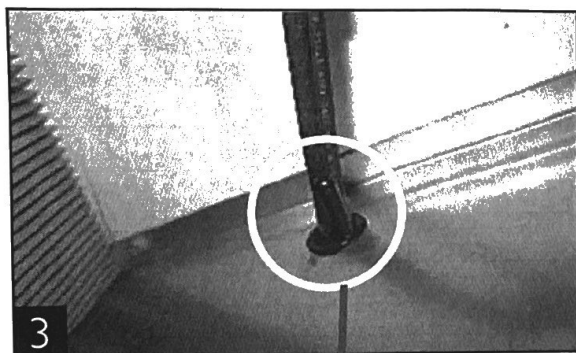


Close-up of 1/4"
P-clip securing black
probe.



PROBE PLACEMENT

Probe may be attached to either an available fan motor bracket mounting screw with the supplied 1/4" P-clip (item "B" from parts kit). See images 1 and 2.

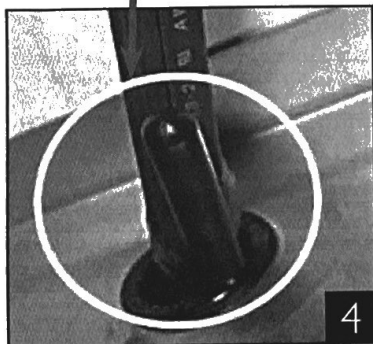


An optional location, or if no fan bracket is available, would be to zip tie the probe to a power wire at the bushing as it enters into the return air area. See images 3 and 4.

Secure thermostat probe wire to ensure any of the sensor wire does not hang or interfere with cabinet operation or mounting parts (for example, the evaporator fan motor/ blade).

Use the supplied 3/16" P-clips (item "C" from parts kit) or wire ties to secure the wire(s).

Close-up of black
probe next to power
wire at bushing.

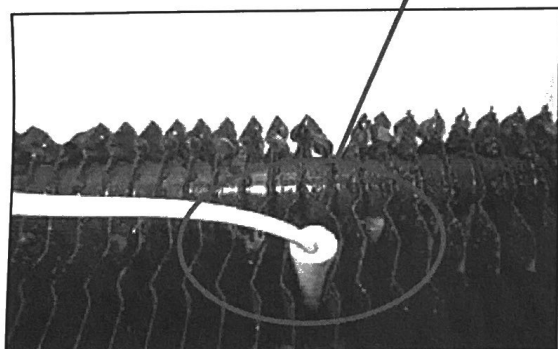
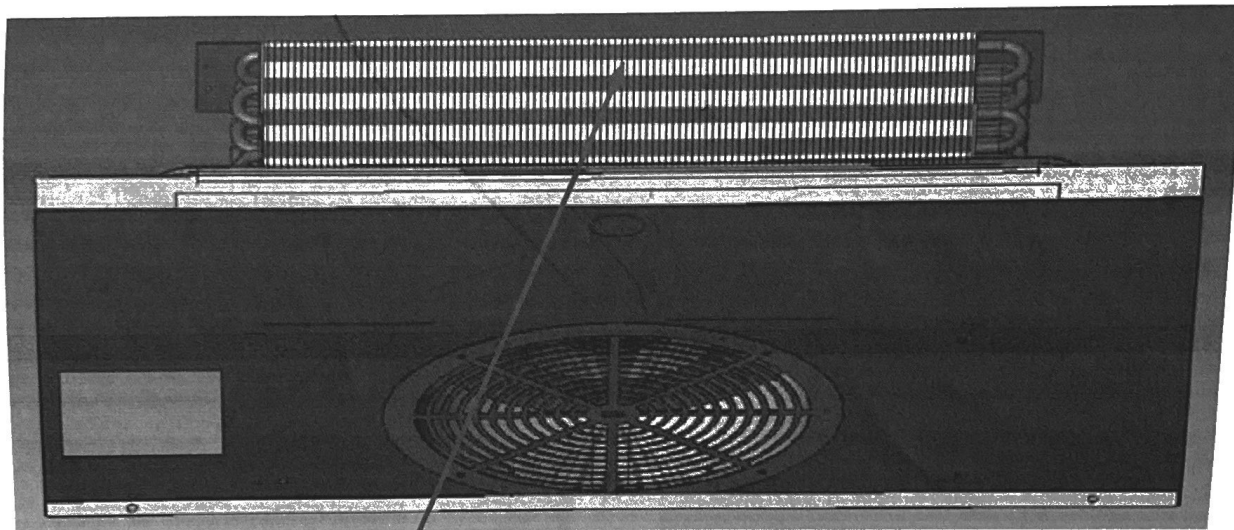


Black = Probe 1
White = Probe 2

990954

RETROFIT FROM A MECHANICAL CONTROL TO AN ELECTRONIC TEMPERATURE CONTROL

PICTURE OF THE BACKSIDE OF THE EVAPORATOR COIL OR DISCHARGE SIDE OF COIL



PICTURE FROM THE BACKSIDE OF THE EVAPORATOR COIL

NOTE: For a dual fan with dual evaporator coil, locate the white probe in coil that is closest to the black thermostat probe.

PLACEMENT OF THE WHITE DEFROST PROBE

The defrost probe will be located in the discharge air side of the evaporator coil.

Route the white probe from the temperature control location to the discharge side of the evaporator coil through any opening. If necessary use any existing access holes with OEM bushing to pass through air baffles.

Any existing perma-gum will need to be reapplied to seal the hole(s).

PROBE PLACEMENT

From left to right, locate the middle of the evaporator coil.

Insert the probe tip below the top most refrigeration line in the middle of the coil. See pictures above.

NOTE: Insert only the tip of the probe in the evaporator coil, approximately one inch.

Secure fins around probe tip to hold it in place.

Secure defrost probe wire to ensure any of the sensor wire does not hang or interfere with cabinet operation or mounting parts (for example, the evaporator fan motor/blade).

Use the supplied 3/16" P-clips (item "C" from parts kit) or wire ties to secure the wire(s).

Commercial Warehouse Co., Inc.

3623 - 6th Avenue South - Seattle, Washington 98134

(206) 622-5533 - Fax 625-1820

STRAIGHT BILL OF LADING - SHORT FORM - NOT NEGOTIABLE

Received, subject to the classification and traffic in effect on the date of the issue of the bill of lading

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier of all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight classification in effect on the date hereof, if this is a rail or a rail-water shipment; or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPERS NUMBER

45103

SHIPPER: TRUE MFG.
ST. CHARLES IND. CENTER
O'FALLON, MO. 63366

DATE: 11/5/99

P.O.#: 19492

REF#: STL-820

SHIP TO: WATSON DISTRIBUTING
WENATCHEE, WA.

If charges are to be prepaid, write or stamp here

ROUTE: WILL CALL

Contr#	H/M	DESCRIPTION	PCS	WEIGHT	TOTAL WEIGHT	
1		T-49 STAINLESS COOLER SN #2309293	0	410	410	<p>Received</p> <p>\$ _____ to apply in prepayment of the charges on the property described hereon.</p> <p>Agent or Casheir _____</p> <p>Per _____ (The signature here Acknowledges only the amount prepaid.)</p> <p>Charges Advanced: _____</p> <p>\$ _____ The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certification thereon, on all other requirements of Rule 41 of the Consolidated Freight Classification.</p> <p>Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.</p> <p>(Signature of Consignor)</p>
1		Total	0			

This is to certify that the above named articles are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation, according to the applicable regulations of the Department of Transportation

Total
Weight

410 LBS

Note - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

COMMERCIAL WAREHOUSE CO., INC.

"If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is 'carrier or shipper's weight'"

Agent _____

Per _____

Per _____

Watson

410 S. Columbia Street • Wenatchee, WA 98801
(509) 663-0706
FAX (509) 663-1142

True

IP TO Customer Will Call
Friday 11-5-99

11-1-99	Will Call	Cust. Truck			19492
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15A True T-49 2 Door Ref. 110 V

TAX NUMBER

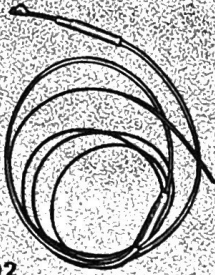
ORIGINAL


AUTHORIZED SIGNATURE

ROTALOCK VALVES, CRANKCASE HEATERS & VIBRATION ABSORBERS

A/C & REFRIGERATION

New



No. 4MC02

SELF-REGULATING CRANKCASE HEATER

- Fits any unit up to 5 HP and 40" circumference
 - Reliable self-regulating performance
 - No thermostat required
- FreezGard® self-regulating crankcase heater prolongs refrigeration compressor life and increases efficiency. This one size fits all, moisture-proof heater 4-ft. heater

provides reliable peak heating during critical cold periods and reduces its heating once the compressor starts or the air temperature rises. It will not overheat and can be overlapped without damage. Includes flexible lockstrap and prestripped 28" wire-leads for easy connection and hard-wiring. Use only with refrigeration compressors in nonhazardous areas. UL Recognized.

SPECIFICATIONS AND ORDERING DATA

Power At	Minimum Watts	Volts (AC)	Raychem Model	New! Stock No.	List	Each	Shpg. Wt.
0°F	60	120	CCH-1C	4MC02*	\$38.61	\$35.15	0.9
50°F	32	208-277	CCH-2C	4MC05*	38.61	35.15	0.9

(*) Power at these temperatures will equal the minimum watts.

COMPRESSOR CRANKCASE HEATERS

- Reduce common compressor damage
- Keep compressor oil up to 30°F warmer than system temperature
- UL Recognized; CSA Certified

Moisture-proof units have stainless steel outer jacket with high-temp silicone rubber element and 30" insulated leads for electrical connection. Easy to install with screw toggle clamp included. UL Recognized, CSA Certified. Instructions included. Tutco brand.

SPECIFICATIONS AND ORDERING DATA

Girth Dimensions (In.) Min.	Girth Dimensions (In.) Max.	Volts (AC)	Watts	Tutco Model	Stock No.	List	Each	Shpg. Wt.
24 3/4	31 1/16	240	45	CH-103-40	2E532	\$21.95	\$14.79	0.5
27 7/16	34 1/4	240	54	CH-101-40	2E533	21.95	14.79	0.5
25 3/4	32 1/16	240	60	CH-102-40	2E534	21.95	14.79	0.5



No. 2E532

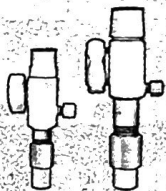
ROTALOCK VALVES

Compressors 3Z817, 3Z818, 3Z819 and 5Z076, are furnished with connections for use with screw-type Rotalock valves. Steel valves can be closed to allow changes

without evacuating or recharging the system. 1/4" SAE fitting for use at high or low pressure controls, service manifolds, etc.

SPECIFICATIONS AND ORDERING DATA

Valve Usage	Outside Diam. (In.)	Inside Diam. (In.)	Threads Per Inch	Approx. Size (In.)	Stock No.	List	Each	Shpg. Wt.
Discharge	1 1/4	7/8	12	6 x 3 x 2	3X730	\$63.53	\$43.30	1.3
Suction	1 1/4	1 1/4	12	8 x 3 1/2 x 2 1/2	3X731	147.58	101.40	2.3



No. 3X730

VIBRATION ABSORBERS

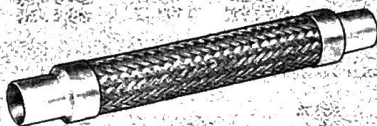
Flexible Metal Connectors for Refrigeration and Air Conditioning Tubing

- Help prevent refrigerant leaking
- Resist fatigue under constant flexing
- Resist vibration
- Flexible, bronze tubing

traction, and help prevent refrigerant leakage due to tubing failure.

Fabricated from flexible continuous helically corrugated bronze tubing; covered by bronze braid for additional strength. Copper fittings are brazed in place for high pressure usage. Highly resistant to fatigue under constant flexing and vibration. UL Recognized (SA2575) and CSA Certified (LR46775). Packless brand.

Designed to reduce transmission of vibration and gas pulsation from the compressor or condensing unit to other parts of the system. Connectors also help compensate for tubing misalignment, intermittent pipe travel due to thermal expansion and con



No. 1A888



SA2575



LR46775

VIBRATION ABSORBER SPECIFICATIONS AND ORDERING DATA

VIBRATION ABSORBER SPECIFICATIONS										
To Fit Copper Tubing Having				Max. Work Pressure PSIG	Burst Pressure PSIG	Packless Model	Stock No.	List	Each	Shpg Wt.
Actual O.D. (In.)	Nominal I.D. (In.)	Flexible Hose I.D. (In.)	Overall Length (In.)							
3/8	1/4	3/8	8 1/4	500	2500	VAF-3	1A888	\$21.01	\$9.53	0.4
1/2	3/8	3/8	9	500	2500	VAF-4	1A889	23.11	10.51	0.5
5/8	1/2	1/2	9 1/4	500	2500	VAF-5	1A890	27.93	12.77	1.0
7/8	3/4	3/4	11 1/4	500	2500	VAF-8	1A891	38.24	17.41	1.0
1 1/4	1	1	13	500	2500	VAF-9	1A892	48.74	22.20	2.0
1 1/2	1 1/4	1 1/4	14 1/4	500	2500	VAF-10	1A893	67.60	30.80	0.3
1 3/4	1 1/2	1 1/2	17	500	2500	VAF-11	1A894	95.39	43.50	4.0

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Attn: _____

From: Lance Lowman

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Message: Chuck - This is a copy of P.O. you
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Note to fax operator: Please deliver this facsimile transmission to the above addressee. If you did not receive all of the pages in good condition, Please advise us at your earliest convenience.

THANK YOU

Lance Lowman
Please reply to

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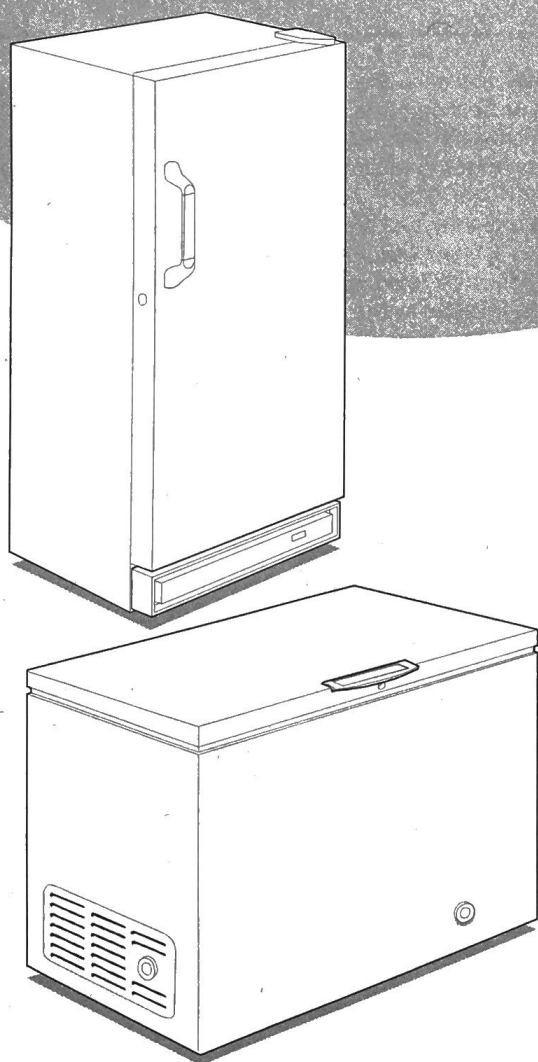
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Use & Care Manual

Freezer



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Important Safety Instructions continued

⚠ WARNING Avoid fire hazard or electric shock. Do not use an extension cord or an adapter plug. Do not remove any prong from power cord.

Grounding type wall receptacle



Do not under any circumstances cut, remove, or bypass the grounding prong from this plug.

Power supply cord with 3-prong grounding plug

⚠ WARNING Electrical Information

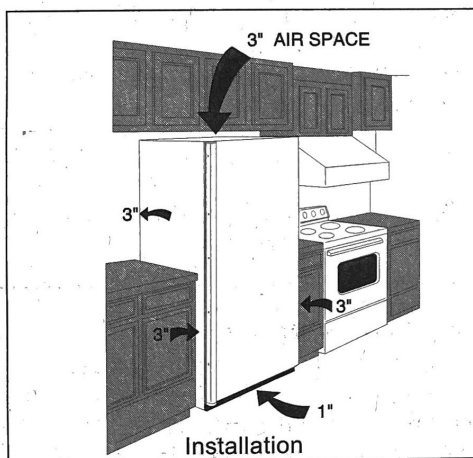
These guidelines must be followed to ensure that safety mechanisms in the design of this freezer will operate properly.

- **Refer to the serial plate for correct electrical rating.** The power cord of the appliance is equipped with a three-prong grounding plug for protection against shock hazards. It must be plugged directly into its own properly grounded three-prong receptacle, protected with a 15 amp time delay fuse or circuit breaker. The receptacle must be installed in accordance with the local codes and ordinances. Consult a qualified electrician. Receptacles protected by Ground Fault Circuit Interrupters (GFCI) are NOT RECOMMENDED. **DO NOT use an extension cord or adapter plug.**
- If voltage varies by 10 percent or more, freezer performance may be affected. Operating the freezer with insufficient power can damage the motor. Such damage is not covered under the warranty. If you suspect your household voltage is high or low, consult your power company for testing.
- To prevent the freezer from being turned off accidentally, do not plug unit into an outlet controlled by a wall switch or pull cord.
- Do not pinch, knot, or bend power cord in any manner.

⚠ WARNING Other Precautions

- To defrost freezer, always unplug unit first.
- Never unplug the freezer by pulling on the power cord. Always grip the plug firmly and pull straight out from the receptacle.
- Turning the control to OFF turns off the compressor, but does not disconnect power to other electrical components.

First Steps



Before starting the freezer, follow these important first steps:

Installation

- Choose a place that is near a grounded electrical outlet.
- The freezer should be located where surrounding temperatures will not exceed 110°F (43°C). Temperatures of 32°F (0°C) and below will NOT affect freezer operation. Additional compressor heaters are not recommended.
- *Allow space around the unit for good air circulation.* Leave a 3 inch (75 mm) space on all sides of the freezer for adequate circulation.

Leveling

The freezer must have all bottom corners resting firmly on a solid floor. The floor must be strong enough to support a fully loaded freezer. **NOTE:** It is VERY IMPORTANT for your freezer to be level in order to function properly. If the freezer is not leveled during installation, the door may be misaligned and not close or seal properly, causing cooling, frost, or moisture problems.

To Level Upright Unit:

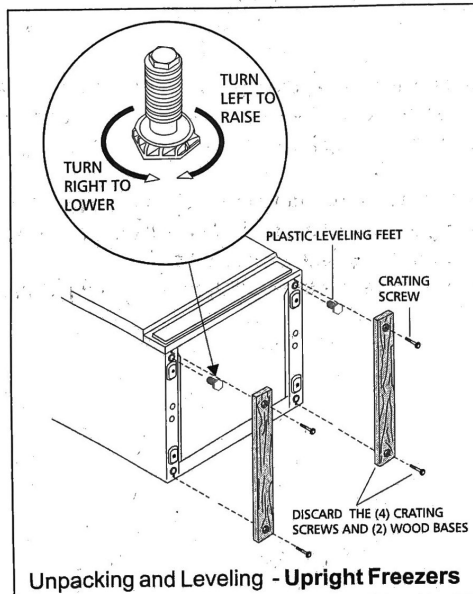
After discarding crating screws and wood base, use a carpenter's level to level the freezer from front-to-back. Adjust the plastic leveling feet in front, ½ bubble higher, so that the door closes easily when left halfway open.

To Level Chest Unit:

If needed, add metal or wood shims between feet pads and floor.

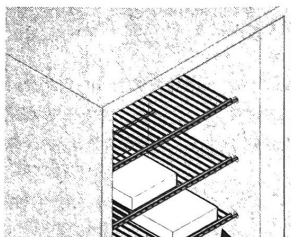
Cleaning

- Wash any removable parts, the freezer interior, and exterior with mild detergent and warm water. Wipe dry. **DO NOT USE HARSH CLEANERS ON THESE SURFACES.**
- Do not use razor blades or other sharp instruments, which can scratch the appliance surface when removing adhesive labels. Any glue left from the tape can be removed with a mixture of warm water and mild detergent, or touch the residue with the sticky side of tape already removed. **DO NOT REMOVE THE SERIAL PLATE.**



First Steps continued

CAUTION To allow door to close and seal properly, DO NOT let food packages extend past the front of shelves.



Shelf Front

DOOR REMOVAL (UPRIGHT MODELS)

If door must be removed, (UNPLUG THE UNIT.)

1. Gently lay freezer on its back, on a rug or blanket.
2. Remove two base screws and base panel. Remove wire from clips on bottom of cabinet. (Figure 1)
3. Unplug connector, if required, by holding the cabinet connector in place, and pulling door connector out. (Figure 1)
4. Remove bottom hinge screws. (Figure 1)
5. Remove plastic top hinge cover.
6. Remove screws from top hinge.
7. Remove top hinge from cabinet.
8. Remove door and bottom hinge from cabinet.
9. To replace door, reverse the above order and securely tighten all screws to prevent hinge slippage.

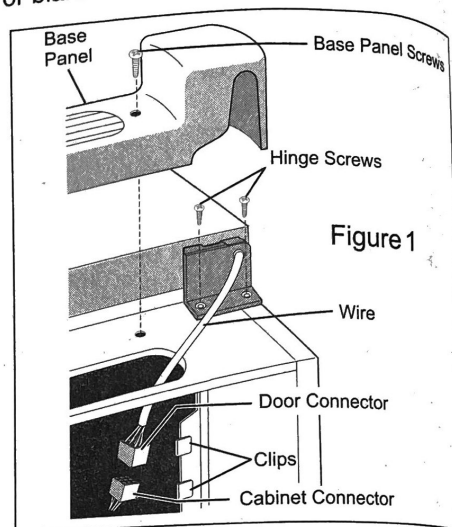
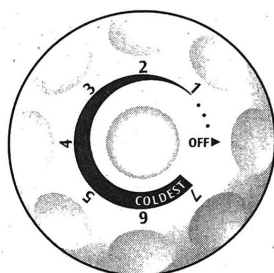


Figure 1

LID REMOVAL (CHEST MODELS)

See Instructions on Hinge label. (UNPLUG THE UNIT.)

Setting the Temperature Control



Cold Control

Cool Down Period

- For safe food storage, allow 4 hours for freezer to cool down completely. The freezer will run continuously for the first several hours. Foods that are already frozen may be placed in freezer after the first few hours of operation. Unfrozen foods should NOT be loaded into freezer until freezer has operated for 4 hours.
- When loading freezer, freeze only 3 pounds of fresh food per cubic foot of freezer space at one time. Distribute packages to be frozen evenly throughout the freezer. It is not necessary to turn control knob to a colder setting while freezing food.

Temperature Control

The temperature control is located inside the freezer on upright models, and on the left outside wall on chest models. The temperature is factory preset to provide satisfactory food storage temperatures. However, the temperature control is adjustable to provide a range of temperatures for your personal satisfaction. If a colder temperature is desired, turn the temperature control knob toward COLDEST and allow several hours for temperatures to stabilize between adjustments.

Freezer Optional Features

NOTE

Your freezer may have some, or all of the features listed below. Become familiar with these features, and their use and care.

Power On Light

The Power On Light indicates that the freezer is properly connected to electrical power. The light glows even when the temperature control is turned to OFF. If the light goes out, refer to "Freezer does not run" in the Avoid Service Checklist.

Temp Alarm (audible only or audible with warning light - see Figure 1)

This feature is designed to provide a warning of a possible malfunction. If the temperature of the food rises to a level unsafe for long-term storage, the buzzer will sound. The red light, if equipped, will also glow. The Temp Alarm feature operates on household electricity. If power fails, the alarm will not function. An ON/OFF switch allows you to deactivate the Temp Alarm when not wanted. The freezer is shipped with the Temp Alarm in the OFF position. After freezer has run approximately 4 hours, the red light, if equipped, will go off. Then you may activate the Temp Alarm without the alarm sounding.

Press the ON switch to activate the Temp Alarm. To deactivate, press the OFF switch.

If the alarm sounds, be sure freezer is properly leveled, and the door closes freely, and seals properly. If you suspect a technical malfunction, call an authorized servicer immediately.

TEMP ALARM (ELECTRONIC MODELS)

This feature is designed to provide a warning if the inside temperatures reach an unsafe level. The Temp. Alarm Feature operates on household electricity. It will not function if household electricity is interrupted.

When the freezer is initially plugged in, the red Temp. Alarm Indicator Light blinks. The indicator light will continue to blink until the freezer has reached a safe freezing temperature. If a malfunction causes an unsafe temperature inside the freezer, the red light will blink and the buzzer will sound. To silence the buzzer, press the ALARM OFF button. The Indicator Light will continue to blink until a safe freezing temperature is again reached. If the problem is not resolved within 12 hours, the buzzer will turn on again. If the ALARM OFF button is not pressed, the buzzer will turn itself off automatically after 48 hours, but the red Temp Alarm Light will continue to blink.

Blue Defrost button (Some Chest Models)

IMPORTANT: It is time to defrost and clean the freezer when the blue defrost button is completely covered with frost.

Power Cord Clamp

The clamp prevents the power cord from being accidentally unplugged. Remember when removing or replacing the electrical cord, to remove or replace the power cord clamp.

Slide-Out Basket (upright models)

The Slide-Out Basket, located at the bottom of the freezer provides separate storage space for items that are difficult to store on freezer shelves. To remove the basket, pull out, and lift up.

Security Lock with Pop-Out Key

This security lock fastens the door snugly, ensuring that stored food is secure. To lock or unlock the freezer, push the key into the lock and turn. The key pops out of the lock after it has been turned.

Interior Light

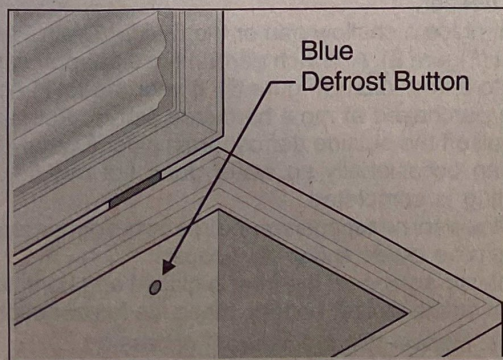
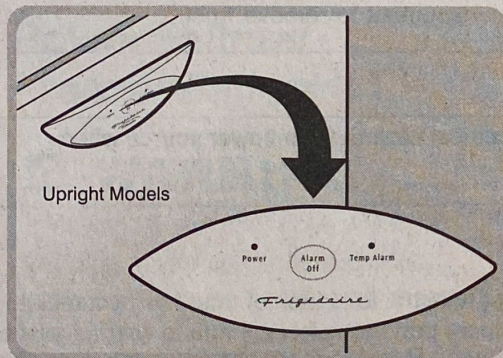
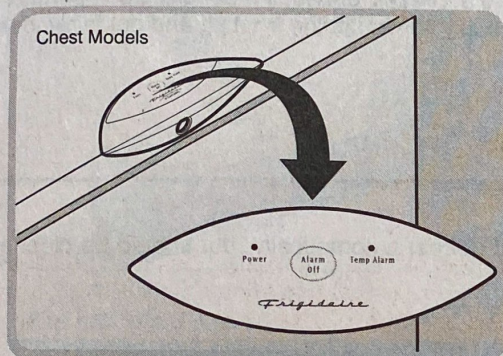
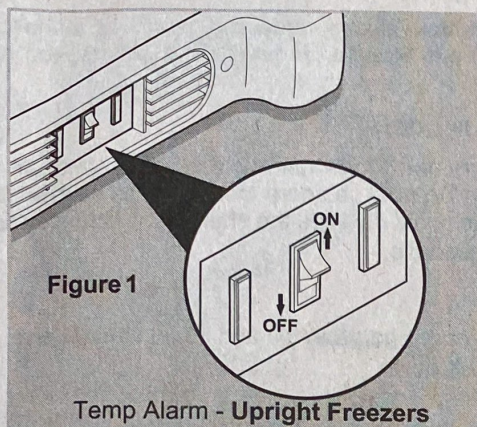
The light comes on automatically when the door is opened. To replace the light bulb, turn the temperature control to OFF and unplug the electrical cord. Replace the old bulb with a bulb of the same wattage.

Adjustable Shelf (upright models)

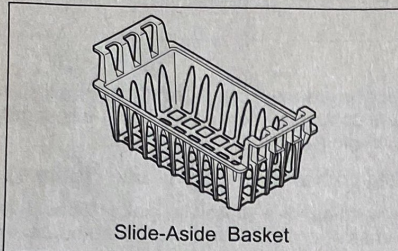
This shelf can be moved to one of two positions. Lift the shelf up and out to move to the desired position.

Defrost Drain

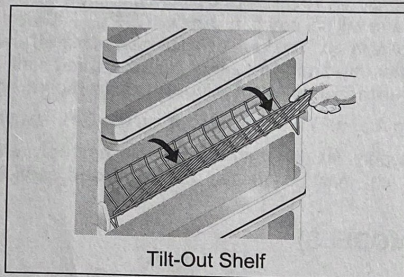
The defrost drain provides a method of draining the water during defrosting and cleaning. See "Defrosting" in Care and Cleaning Section.



Freezer Optional Features (continued)



Slide-Aside Basket



Tilt-Out Shelf

Slide-Aside Basket (chest models)

This basket helps organize odd-shaped items. To reach other packages in the freezer, slide the basket aside or lift out.

Divider/Drain Pan (chest models)

The Divider/Drain Pan doubles as a convenient storage area and serves as a shallow drain pan when defrosting. To remove, lift pan straight up out of the supports, and out of the chest.

Fast Freezing Shelves (upright models)

These shelves contain cooling coils to freeze foods quickly and allow cold air to constantly circulate throughout the freezer. Do not use sharp metal objects such as ice picks or scrapers to clean the shelves. This could damage the shelves and reduce their cooling ability. These shelves are not adjustable.

Tilt-Out Shelf

This shelf is located inside on the freezer door and provides additional storage space. To access an item, tilt top of "basket" shelf down.

Drop Front (upright models)

The Drop Front, located at the bottom of the freezer, provides a separate compartment for small irregular shaped items or large, bulky items. Lift the front up and out to remove.

Care and Cleaning

Damp objects stick to cold metal surfaces. Do not touch interior metal surfaces with wet or damp hands.

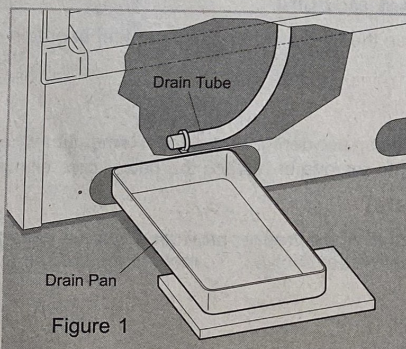


Figure 1

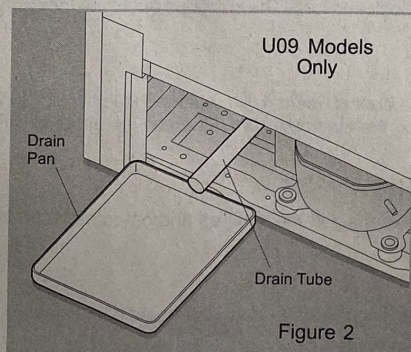


Figure 2

Some upright freezers are frost-free and defrost automatically, but should be cleaned occasionally.

Between Defrostings

To avoid frequent defrosting, occasionally use a plastic scraper to remove frost. Scrape with a pulling motion. Never use a metal instrument to remove frost.

CAUTION

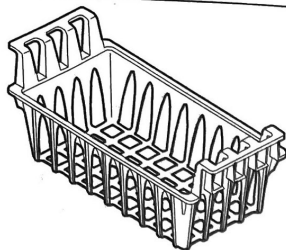
Freezer must be unplugged (to avoid electrical hazard) from power source when defrosting unit.

Defrosting

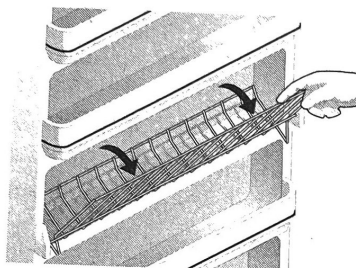
It is important to defrost and clean freezer when $\frac{1}{4}$ to $\frac{1}{2}$ inch of frost has accumulated. Frost may tend to accumulate faster on upper part of the freezer due to warm, moist air entering the freezer when the door is opened. Remove food and leave the door open when defrosting the freezer.

- **On upright models** with a defrost drain (Figure 1), remove drain plug on the inside floor of the freezer by pulling straight out. To access external drain tube on models with a base panel, first remove the two screws from the base panel. Locate the drain tube near the left center under the freezer. Place a shallow pan under the drain tube. Defrost water will drain out. Check pan occasionally so water does not overflow. A $\frac{1}{2}$ inch garden hose adapter can be used to drain the freezer directly into a floor drain. If your model is not equipped with an adapter, one can be purchased at most hardware stores. Replace the drain plug when defrosting and cleaning are completed. If the drain is left open, warm air may enter freezer.
- **On chest models** with a defrost drain, place a shallow pan or the Divider/Drain Pan (some models) beneath the drain outlet (Figure 2). A $\frac{1}{2}$ inch garden hose adapter can be used to drain the freezer directly into a floor drain (Figure 3). If your model is not equipped with an adapter, one can be purchased at most hardware stores. Pull out the drain plug inside the freezer, and pull off the outside defrost drain plug (Figure 4). Defrost water will drain out. Check pan occasionally so water does not overflow. Replace the drain plugs when defrosting is completed.
- **On models without a defrost drain**, place towels or newspapers on the freezer bottom to catch the frost. The frost will loosen and fall. Remove towels and/or newspapers.
- If the frost is soft, remove it by using a plastic scraper. If the frost is glazed and hard, fill deep pans with hot water and place them on the freezer bottom. Close the freezer door. Frost should soften in about 15 minutes. Repeat this procedure if necessary.

Freezer Optional Features (continued)



Slide-Aside Basket



Tilt-Out Shelf

Slide-Aside Basket (chest models)

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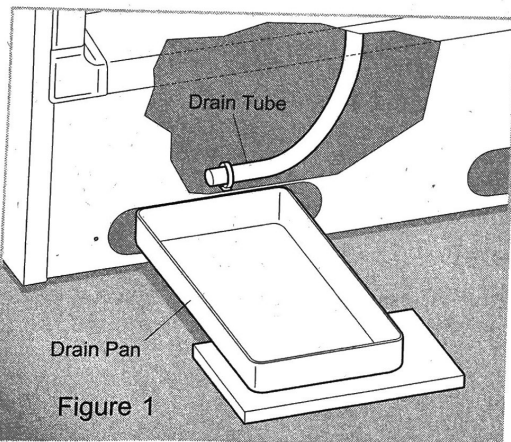


Figure 1

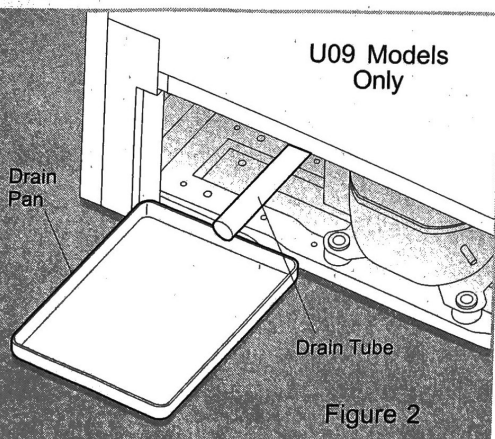


Figure 2

Care and Cleaning continued

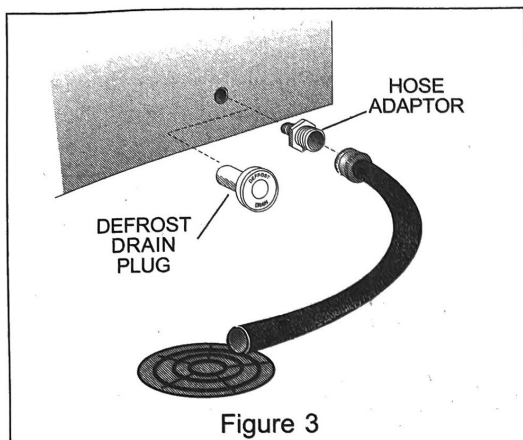
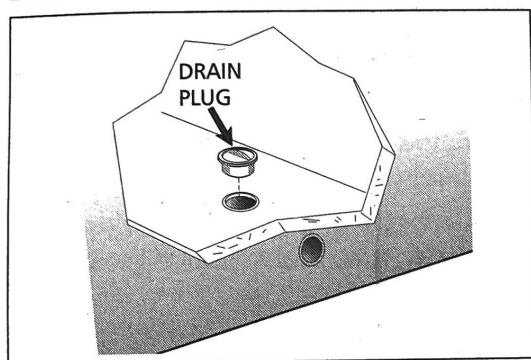


Figure 3



Power Failure/ Freezer Failure

WARNING

If leaving freezer door open while on vacation, make certain that children cannot get into the freezer and become entrapped.

NOTE

Do not open freezer door unnecessarily if freezer is off for several hours.

Cleaning the Inside

After defrosting, wash inside surfaces of the freezer with a solution of two tablespoons of baking soda in one quart (1.136 litres) warm water. Rinse and dry. Wring excess water out of the sponge or cloth when cleaning in the area of the controls, or any electrical parts.

Wash the removable parts with the baking soda solution mentioned above, or mild detergent and warm water. Rinse and dry. **Never** use metallic scouring pads, brushes, abrasive cleaners, or alkaline solutions on any surface. Do not wash removable parts in a dishwasher.

Cleaning the Outside

Wash the cabinet with warm water and mild liquid detergent. Rinse well and wipe dry with a clean soft cloth. Replace parts and food.

Vacation and Moving Tips

Short Vacations: Leave the freezer operating during vacations of less than three weeks.

Long Vacations: If the freezer will not be used for several months, remove all food and unplug the power cord. Clean and dry the interior thoroughly. To prevent odor and mold growth, leave the freezer door open slightly, blocking it open if necessary.

Moving: Disconnect the power cord plug from the wall outlet. Remove foods, the defrost, and clean the freezer. Secure all loose items such as base panel, baskets, and shelves by taping them securely in place to prevent damage. In the moving vehicle, secure freezer in an upright position, and secure to prevent movement. Also protect outside of freezer with a blanket, or similar item.

If a power failure occurs, frozen foods will stay frozen for at least 24 hours if the freezer is kept closed. If the power failure continues, pack seven or eight pounds of dry ice in the freezer every 24 hours. Look in the Yellow Pages under "Dry Ice," "Dairies," or "Ice Cream Manufacturers" for local dry ice suppliers. Always wear gloves and use caution when handling dry ice.

If the freezer has stopped operating, see "Freezer does not run" in the Avoid Service Checklist Section of this manual. If you cannot solve the problem, call an authorized servicer immediately.

If the freezer remains off for several hours, follow the directions above for the use of dry ice during a power failure. If necessary, take the food to a local locker plant until the freezer is ready to operate. Look in the Yellow Pages under "Frozen Food Locker Plants."

Avoid Service Checklist

Before calling for service, review this list. It may save you both time and expense. This list includes common occurrences that are not the result of defective workmanship or materials in this appliance.

OCCURRENCE

SOLUTION

Freezer does not run

- Check to ensure that freezer is not plugged into a circuit that has ground fault interrupt. If you are unsure about the outlet, have it checked by a certified technician.
- Temperature control is in the OFF position. See *Setting the Temperature Control* section.
- Freezer may not be plugged in or plug may be loose. Be sure plug is tightly pushed into electrical outlet.
- House fuse has blown or circuit breaker has tripped. Check / reset circuit breaker or replace fuse with 15 amp time delay fuse.
- Power outage. Check house lights. Call local electric company.

Freezer runs too much or too long

- Room or outside weather is too hot. It is normal for the freezer to work harder under these conditions.
- Freezer has recently been disconnected for a period of time. Freezer requires 4 hours to cool down completely.
- Large amounts of warm water or hot food have been stored recently. Warm food will cause the freezer to run more until the desired temperature is reached.
- Door is kept open too long or too frequently. Warm air enters the freezer every time the door is opened. Open the door less often.
- Freezer door may be slightly open. See OCCURRENCE "Door Problems"
- Temperature control is set too cold. Turn the control knob to a warmer setting. Allow several hours for the temperature to stabilize.
- Freezer gasket is dirty, worn, cracked, or poorly fitted. Clean or change gasket. Leaks in the door seal will cause freezer to run longer in order to maintain desired temperature.

Temperature inside freezer are too cold

- Temperature control is set too cold. Turn the control to a warmer setting. Allow several hours for the temperature to stabilize.

Temperature inside freezer are too warm

- Temperature control is set too warm. Turn the control to a colder setting. Allow several hours for the temperature to stabilize.
- Door is kept open too long or too frequently. Warm air enters the freezer every time the door is opened. Open the door less often.
- Freezer door may be slightly open. See OCCURRENCE "Door Problems"
- Large amounts of warm water or hot food have been stored recently. Wait until the freezer has had a chance to reach its selected temperature.
- Freezer has recently been disconnected for a period of time. Freezer requires 4 hours to cool down completely.

Temperature of external freezer surface is warm

- The exterior freezer walls can be as much as 30°F warmer than room temperature. This is normal while the compressor works to transfer heat from inside the freezer cabinet.

OCCURRENCE	SOLUTION
Louder sound levels whenever freezer is ON	<ul style="list-style-type: none"> Modern freezers have increased storage capabilities and more even temperatures. They require a high efficiency compressor. When the surrounding noise level is low, you might hear the compressor running while it cools the interior.
Louder sound levels when compressor comes ON	<ul style="list-style-type: none"> Freezer operates at higher pressures during the start of the ON cycle. This is normal. Sound will level off or disappear as freezer continues to run.
Popping or cracking sound when compressor comes ON	<ul style="list-style-type: none"> Metal parts undergo expansion and contraction, as in hot water pipes. This is normal. Sound will level off or disappear as freezer continues to run.
Bubbling or gurgling sound, like water boiling	<ul style="list-style-type: none"> Refrigerant (used to cool freezer) is circulating throughout the system. This is normal.
Vibrating or rattling noise	<ul style="list-style-type: none"> Freezer is not level. It rocks on the floor when it is moved slightly. Level the unit. Refer to "Leveling" in the First Steps section. Floor is uneven or weak. Freezer rocks on the floor when it is moved slightly. Be sure floor can adequately support freezer. Level the freezer by putting wood or metal shims under part of the freezer. Freezer is touching the wall. Level the freezer or move freezer slightly. Refer to "Leveling" in the First Steps section.
Moisture forms on inside freezer walls	<ul style="list-style-type: none"> Weather is hot and humid, which increases internal rate of frost build-up. This is normal. Door is slightly open. See OCCURRENCE "Door Problems". Door is kept open too long, or is opened too frequently. Open the door less often.
Moisture forms on outside of freezer	<ul style="list-style-type: none"> Door is slightly open, causing the cold air from inside the freezer to meet warm moist air from outside. See OCCURRENCE "Door Problems".
Odor in freezer	<ul style="list-style-type: none"> Interior needs to be cleaned. Clean interior with sponge, warm water and baking soda. Foods with strong odors are in the freezer. Cover the food tightly.
Door will not close	<ul style="list-style-type: none"> Freezer is not level. It rocks on the floor when it is moved slightly. This condition can force the cabinet out of square and misalign the door. Refer to "Leveling" in the First Steps section. Floor is uneven or weak. Freezer rocks on the floor when it is moved slightly. Be sure floor can adequately support freezer. Level the freezer by putting wood or metal shims under the freezer or brace the floor supporting the freezer.
Light bulb is not on	<ul style="list-style-type: none"> Light bulb is burned out. Follow directions under "Interior Light" in the "Freezer Features" section. No electric current is reaching the freezer. See OCCURRENCE "Freezer does not run".

Major Appliance Warranty Information

Your appliance is covered by a one year limited warranty. For one year from your original date of purchase, Electrolux will pay all costs for repairing or replacing any parts of this appliance that prove to be defective in materials or workmanship when such appliance is installed, used and maintained in accordance with the provided instructions.

Exclusions

This warranty does not cover the following:

1. Products with original serial numbers that have been removed, altered or cannot be readily determined.
2. Product that has been transferred from its original owner to another party or removed outside the USA or Canada.
3. Rust on the interior or exterior of the unit.
4. Products purchased "as-is" are not covered by this warranty.
5. Food loss due to any refrigerator or freezer failures.
6. Products used in a commercial setting.
7. Service calls which do not involve malfunction or defects in materials or workmanship, or for appliances not in ordinary household use or used other than in accordance with the provided instructions.
8. Service calls to correct the installation of your appliance or to instruct you how to use your appliance.
9. Expenses for making the appliance accessible for servicing, such as removal of trim, cupboards, shelves, etc., which are not a part of the appliance when it is shipped from the factory.
10. Service calls to repair or replace appliance light bulbs, air filters, water filters, other consumables, or knobs, handles, or other cosmetic parts.
11. Surcharges including, but not limited to, any after hour, weekend, or holiday service calls, tolls, ferry trip charges, or mileage expense for service calls to remote areas, including the state of Alaska.
12. Damages to the finish of appliance or home incurred during installation, including but not limited to floors, cabinets, walls, etc.
13. Damages caused by: services performed by unauthorized service companies; use of parts other than genuine Electrolux parts or parts obtained from persons other than authorized service companies; or external causes such as abuse, misuse, inadequate power supply, accidents, fires, or acts of God.

DISCLAIMER OF IMPLIED WARRANTIES; LIMITATION OF REMEDIES

CUSTOMER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR OR REPLACEMENT AS PROVIDED HEREIN. CLAIMS BASED ON IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR OR THE SHORTEST PERIOD ALLOWED BY LAW, BUT NOT LESS THAN ONE YEAR. ELECTROLUX SHALL NOT BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES SUCH AS PROPERTY DAMAGE AND INCIDENTAL EXPENSES RESULTING FROM ANY BREACH OF THIS WRITTEN LIMITED WARRANTY OR ANY IMPLIED WARRANTY. SOME STATES AND PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATIONS ON THE DURATION OF IMPLIED WARRANTIES, SO THESE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WRITTEN WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

If You Need Service

Keep your receipt, delivery slip, or some other appropriate payment record to establish the warranty period should service be required. If service is performed, it is in your best interest to obtain and keep all receipts. Service under this warranty must be obtained by contacting Electrolux at the addresses or phone numbers below.

This warranty only applies in the USA and Canada. In the USA, your appliance is warranted by Electrolux Major Appliances North America, a division of Electrolux Home Products, Inc. In Canada, your appliance is warranted by Electrolux Canada Corp. Electrolux authorizes no person to change or add to any obligations under this warranty. Obligations for service and parts under this warranty must be performed by Electrolux or an authorized service company. Product features or specifications as described or illustrated are subject to change without notice.

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