IMPORTANT INFORMATION READ THIS!
IF UNIT HAS LOCKS, KEYS ARE LOCATED ON THE BACK OF THIS MANUAL

MAKING YOUR WORLD COOLER®

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.

TRUE's 63+ years of 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.

CONGRATULATIONS!
You have just purchased the finest commercial freezer, refrigerator, and heated cabinet available.
You can expect many years of trouble-free operation.

*Spanish, French, & Arabic versions included.

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
www.truemfg.com

#945354

NOTICE TO CUSTOMER:

Loss or spoilage of products in your refrigerator/freezer/heated cabinet is NOT covered by warranty.
In addition to following recommended installation procedures you must run the refrigerator/freezer/heated cabinet 24 hours prior to usage.

TABLE OF CONTENTS

TRANSPORTING THIS CABINET WITHOUT THE PROPER DOOR BLOCKS WILL RESULT IN DAMAGE TO DOORS OR IMPROPER DOOR OPERATION.

DO NOT UNBLOCK DOORS UNTIL COOLER IS SPECIFICALLY LOCATED IN ITS FINAL LOCATION.

TO ENSURE PROPER DOOR OPERATION, CASTORS OR LEGS MUST BE INSTALLED AND THE CABINET MUST BE LEVELED FROM FRONT TO BACK AND LEFT TO RIGHT.

How to Maintain Your TRUE Unit 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 unit when properly maintained will give you many years of trouble-free service.

WARNING!

Use this appliance for its intended purpose as described in this Owner Manual.

This cabinet contains fluorinated greenhouse gas covered by the Kyoto Protocol (please refer to cabinet's inner label for type and volume, GWP of 134a= 1,300. R404a= 3,800).

SAFETY PRECAUTIONS

When using electrical appliances, basic safety precautions should be followed, including the following:

- This unit must be properly installed and located in accordance with the Installation Instructions before it is used.
- Do not allow children to climb, stand or hang on the shelves in the unit. They could damage the unit and seriously injure themselves.
- Do not touch the cold surfaces in the freezer compartment when hands are damp or wet. Skin may stick to these extremely cold surfaces.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Keep fingers out of the "pinch point" areas; clearances between the doors and between the doors and cabinet are necessarily small; be careful closing doors when children are in the area.

NOTE

We strongly recommend that any servicing be performed by a qualified individual.

- Unplug the unit before cleaning and making repairs.
- While cleaning condenser coil lift and hold top louvered grill. Any servicing to condensing unit remove top louvered grill. For further instructions please refer to page 18.

DANGER!

RISK OF CHILD ENTRAPMENT

PROPER DISPOSAL OF THE UNIT

Child entrapment and suffocation are not problems of the past. Junked or abandoned unit are still dangerous…even if they will sit for "just a few days." If you are getting rid of your old unit, please follow the instructions below to help prevent accidents.

Before You Throw Away Your Old Unit:

- Take off the doors.
- Leave the shelves in place so that children may not easily climb inside.

Refrigerant Disposal

Your old unit may have a cooling system that uses "Ozone Depleting " chemicals. If you are throwing away your old unit, make sure the refrigerant is removed for proper disposal by a qualified service technician. If you intentionally release any refrigerants you can be subject to fines and imprisonment under provisions of the environmental regulations.

USE OF EXTENSION CORDS

NEVER USE AN EXTENSION CORD! TRUE will not warranty any equipment that has been connected to an extension cord.

USE OF ADAPTER PLUGS

NEVER USE AN ADAPTER PLUG! TRUE will not warranty any equipment that has been connected to an adapter plug.

North America Use Only!

NEMA plugs

TRUE uses these types of plugs. If you do not have the right outlet have a certified electrician install the correct power source.

WARNING!

HOW TO CONNECT ELECTRICITY

Do not, under any circumstances, cut or remove the ground prong from the power cord. For personal safety, this appliance must be properly grounded.

The power cord of this appliance is equipped with a grounding plug which mates with a standard grounding wall outlet to minimize the possibility of electric shock hazard from this appliance. Have the wall outlet and circuit checked by a qualified electrician to make sure the outlet is properly grounded. If the outlet is a standard 2-prong outlet, it is your personal responsibility and obligation to have it replaced with the properly grounded wall outlet. The unit should always be plugged into its own individual electrical circuit, which has a voltage rating that matches the rating plate. This provides the best performance and also prevents overloading building wiring circuits which could cause a fire hazard from overheated wires. Never unplug your unit by pulling on the power cord. Always grip plug firmly and pull straight out from the outlet. Repair or replace immediately all power cords that have become frayed or otherwise damaged. Do not use a cord that shows cracks or abrasion damage along its length or at either end. When removing the unit away from the wall, be careful not to roll over or damage the power cord.

INSTALLATION / OPERATION INSTRUCTIONS

OWNERSHIP

To ensure that your unit works properly from the first day, it must be installed properly. We highly recommend a trained refrigeration mechanic and electrician install your TRUE equipment. The cost of a professional installation is money well spent. Before you start to install your TRUE unit, carefully inspect it for freight damage. If damage is discovered, immediately file a claim with the delivery freight carrier.

***TRUE** is not responsible for damage incurred during shipment.*

REQUIRED TOOLS

- Adjustable Wrench
- 1/2 socket (Castor Bolts)
- 3/4 socket (Skid Bolts)
- Level

RECOMMENDED TOOLS

- Cordless Drill
- 1/2 socket and 3/4 socket adaptor for cordless drill

UNPACKAGING

The following procedure is recommended for unpackaging the unit:

A. Remove the outer packaging, (cardboard and bubbles or styrofoam corners and clear plastic). Inspect for concealed damage. Again, immediately file a claim with the freight carrier if there is damage.

B. Move your unit as close to the final location as possible before removing the wooden skid.

NOTE

Keys for units with door locks are located in warranty packets.

LOCK AND KEYS

The following procedure is for locking and unlock unit:

A. Insert the key and turn.

B. Remove the key.

REMOTE UNITS (This section applies to remotes only!)

- Remote cabinets must be ordered as remote. We do not recommend converting for a standard self contained to remote system.
- All remote cabinets must be hard wired.
- No castors available.
- All remote cabinets come standard using 404A refrigerant.
- All remote units come standard with expansion valve, liquid line solenoid, heated condensate pan, and defrost timer when applicable.
- Contact TRUE Technical Service for BTU requirements.
- No wiring necessary between cabinet and condensing unit.
- All remote condensing units purchased from TRUE are 208/230 volts single phase.

If you have any questions regarding this section, please call TRUE at 1-(800)-325-6152.

CONDUCTORS AND CIRCUITS

Wire Gauge for 2% Voltage Drop in Supply Circuits.

115 Volt	Distance In Feet To Center of Load											
Amps	20	30	40	50	60	70	80	90	100	120	140	160
2	14	14	14	14	14	14	14	14	14	14	14	14
3	14	14	14	14	14	14	14	14	14	14	14	12
4	14	14	14	14	14	14	14	14	14	12	12	12
5	14	14	14	14	14	14	14	12	12	12	10	10
6	14	14	14	14	14	14	12	12	12	10	10	10
7	14	14	14	14	14	12	12	12	10	10	10	8
8	14	14	14	14	12	12	12	10	10	10	8	8
9	14	14	14	12	12	12	10	10	10	8	8	8
10	14	14	14	12	12	10	10	10	10	8	8	8
12	14	14	12	12	10	10	10	8	8	8	8	6
14	14	14	12	10	10	10	8	8	8	6	6	6
16	14	12	12	10	10	8	8	8	8	6	6	6
18	14	12	10	10	8	8	8	8	8	8	8	5
20	14	12	10	10	8	8	8	6	6	6	5	5
25	12	10	10	8	8	6	6	6	6	5	4	4
30	12	10	8	8	6	6	6	6	5	4	4	3
35	10	10	8	6	6	6	5	5	4	4	3	2
40	10	8	8	6	6	5	5	4	4	3	2	2
45	10	8	6	6	6	5	4	4	3	3	2	1
50	10	8	6	6	5	4	4	3	3	2	1	1

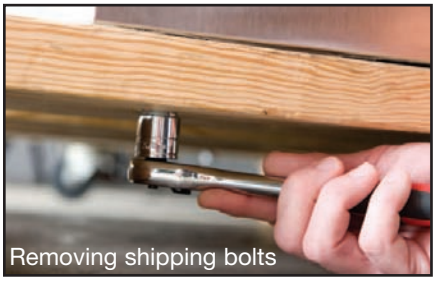
Wire Gauge for 2% Voltage Drop in Supply Circuits.

230 Volt	Distance In Feet To Center of Load											
Amps	20	30	40	50	60	70	80	90	100	120	140	160
5	14	14	14	14	14	14	14	14	14	14	14	14
6	14	14	14	14	14	14	14	14	14	14	14	12
7	14	14	14	14	14	14	14	14	14	14	12	12
8	14	14	14	14	14	14	14	14	14	12	12	12
9	14	14	14	14	14	14	14	14	12	12	12	10
10	14	14	14	14	14	14	14	12	12	12	10	10
12	14	14	14	14	14	14	12	12	12	10	10	10
14	14	14	14	14	14	12	12	12	10	10	10	8
16	14	14	14	14	12	12	12	10	10	10	8	8
18	14	14	14	12	12	12	10	10	10	8	8	8
20	14	14	14	12	10	10	10	10	10	8	8	8
25	14	14	12	12	10	10	10	10	8	8	6	6
30	14	12	12	10	10	10	8	8	8	6	6	6
35	14	12	10	10	10	8	8	8	8	6	6	5
40	14	12	10	10	8	8	8	6	6	6	5	5
50	12	10	10	8	6	6	6	6	6	5	4	4
60	12	10	8	6	6	6	6	6	5	4	4	3
70	10	10	8	6	6	6	5	5	4	4	2	2
80	10	8	8	6	6	5	5	4	4	3	2	2
90	10	8	6	6	5	5	4	4	3	3	1	1
100	10	8	6	6	5	4	4	3	3	2	1	1

REMOVAL FROM WOODEN SKID / INSTALLATION OF LEGS AND CASTORS

Important Safeguard for installation of leg/castor (Images below that demonstrate procedure)

Removal from wooden skid


Removing shipping bolts

1. Make sure unit is as close to the final location as possible.
2. Remove the shipping bolts located at the bottom of the wooden skid.
3. Carefully slide the unit off the wooden skid. Slide packing material underneath the side of the unit hanging off the skid. Then install castors or legs for that side of the unit. (See images below for install)
4. Then carefully slide the other side of the unit off one corner at a time while installing castors or legs for each corner. Use packing material for under each corner of the unit before installing a castor or leg.

Securing Castors and Legs

To obtain maximum strength and stability of the unit, it is important that you make sure each castor is secure. Legs are hand-tightened securely against the base of the cabinet.

Unit Leveling

Shims have been provided for leveling castored units positioned on uneven floors. Shims must be positioned between the bottom of the cabinet and the castor plate.

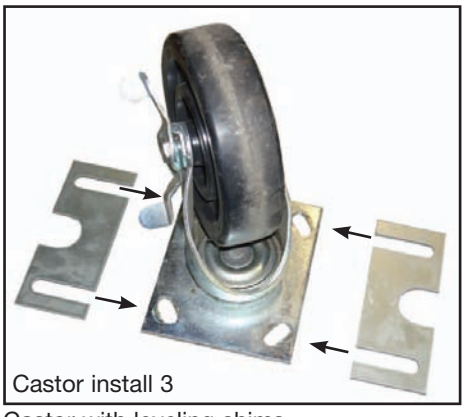
1. Level cabinet front to back and side to side (diagonally). Use the shims provided and slide them between the cabinet bottom and the castor plate. Loosen anchor bolts to slide shims above castor plate.
2. Tighten and secure the castor by tightening the four anchoring bolts with a 3/4 inch open-end wrench, socket.


Castor install 1

Slide packing material under the unit.


Castor install 2

Anchor castor.


Castor install 3

Castor with leveling shims.


Leg install 1

Thread leg into cabinet bottom cabinet.


Leg install 2

The end of the leg is adjustable to easy leveling.

LEVELING

A. Set unit in its final location. Be sure there is adequate ventilation in your room. Under extreme heat conditions, (100°F+, 38°C+), you may want to install an exhaust fan.

WARNING

Warranty is void if ventilation is insufficient.

B. Proper leveling of your TRUE unit is critical to operating success (for non-mobile models). Effective condensate removal and door operation will be effected by leveling.

C. The unit should be leveled front to back and side to side with a level.

D. Ensure that the drain hose or hoses are positioned in the pan.

E. Free plug and cord from the top of the unit (do not plug in).

F. The unit should be placed close enough to the electrical supply so that extension cords are never used.

WARNING

Compressor warranties are void if the unit is more than 7 ft. (2.1m) from plug-in connection.

SEALING CABINET TO FLOOR

Optional

A. It may be necessary to seal the cabinet to the floor for local sanitary codes or if the customer so desires. TRUE recommends either of the following methods:

B. Using a vinyl cove base trim as produced by Armstrong, Johnson, or Kentile (available at floor covering suppliers) or using mastics available at hardware stores.

C. When applying the cove base trim, thoroughly clean both the cabinet and floor of dirt and grease. Apply a recommended contact cement to the cove base trim. After cove base trim has dried, fill in cracks and joints with a caulking material.

D. When applying a mastic, draw an outline of the cabinet on the floor. Raise and block the front side of the cabinet. Apply a bead of mastic to the floor 1/2" inside the outline drawn. Lower the cabinet. Raise and block the rear side of the cabinet. Apply the bead of mastic, lower the cabinet.

ELECTRICAL INSTRUCTIONS

A. Before your new unit is connected to a power supply, check the incoming voltage with a voltmeter. If anything less than 100% of the rated voltage for operation is noted, correct immediately.

B. All units are equipped with a power cord, and must be powered at proper operating voltage at all times. Refer to cabinet data plate for this voltage.

***TRUE** requires that a sole use circuit be dedicated for the unit. Failure to do so voids warranty.*

WARNING

Compressor warranties are void if compressor burns out due to low voltage.

WARNING

Power supply cord ground should not be removed!

NOTE

To reference wiring diagram - locate the diagram on the junction box cover.

LAE Control Sequence of Operation

1. Cabinet is plugged in.
   a. Display will illuminate.
   b. Interior lights will illuminate on Glass Door models only. (If lights do not come on please see instructions on following pages(s).) Solid Door cabinet lights are controlled by door switch.

2. After the LAE control preprogrammed time delay of 3 minutes (freezers only), the compressor and evaporator fan(s) will start if the control is calling for cooling.

   a. Control may be already preprogrammed from the factory so at the start of every compressor cycle or during a defrost cycle, the condenser fan(s) will reverse for 30 seconds to blow dirt off the condensing coil.

3. The LAE control will cycle the compressor but may also cycle evaporator fan(s) on and off together determined by the Set-Point and Differential temperatures. (If the Set-Point needs to be changed due to conditions please see instructions on the following pages(s).)

   a. The ***Set-Point*** is the preprogrammed temperature which shuts off the compressor.

   b. The ***Differential*** is the preprogrammed temperature that is added to the Set-Point temperature that will start the compressor.

   Example: **If the Set-Point is -9°F/-23°C and the Differential is 10°F/5°C**
   (Set-Point) -9°F + 10 (Differential) = 1°F
   Or
   (Set-Point) -23°C + 5 (Differential) = -18°C
   The compressor and evaporator fan(s) will cycle off -9°F/-23°C and back on at 1°F/-18°C

4. The LAE control may be preprogrammed to initiate defrost by interval or at specific times of day. (If additional Defrost Intervals / Cycles are needed or a manual defrost is required due to conditions please see instructions on next page(s).)

   a. At this time the “dEF” will appear on the display and compressor will turn off until a preprogrammed temperature or duration is reached. During this time for freezers only, evaporator fan(s) will also turn off and the coil heater and drain tube heaters will also be energized.

   b. After the preprogrammed temperature or duration for defrost has been reached there may be a short delay for both the compressor and evaporator fans to restart. At this time “dEF” may still appear on the display for a short time.

True Manufacturing recommends that only the Set-Point and/or Defrost Interval / Cycles may be adjusted due to certain conditions.

This sequence is NOT model specific.

Any questions please contact the Technical Service Department.
800-325-6152 • service@truemfg.com

LAE Electronic Control

LAE Control Icons

- Compressor Running
- Evaporator Fan Running
- Cabinet in Defrost
- Activation of 2nd Parameter Set - NA
- Alarm - NA

Info/Set Point Button

Manual Defrost/ Down Button

Manual Activation/ Up Button

Stand-By Button

LOCKING & UNLOCKING LAE CONTROLLER

WHY:

LOCKING OF CONTROL IS NECESSARY TO PREVENT CHANGES TO PROGRAM THAT MAY AFFECT CABINET OPERATION

HOW:

A. To change lock setting press and release the info button (i). "t1" will appear. See image 1.

Press the up button (▲M) until "Loc" appears. See image 2.

B. While pressing and holding the info button (i) press the up (▲M) or down (▼) button to change the lock settings. If "no" appears, the controller is unlocked. If "yes" appears, the controller is locked. See images 3 and 4.

C. Once the lock setting has been set correctly release the info button (i).

Wait 5 seconds for the display to show temperature. See image 5.

Image 3: If "no" appears on screen, the controller is unlocked.

Image 4: If "yes" appears on screen, the controller is locked.

LAE Electronic Control

LAE Control Icons

- Compressor Running
- Evaporator Fan Running
- Cabinet in Defrost
- Activation of 2nd Parameter Set - NA
- Alarm - NA

Info/Set Point Button

Manual Defrost/ Down Button

Manual Activation/ Up Button

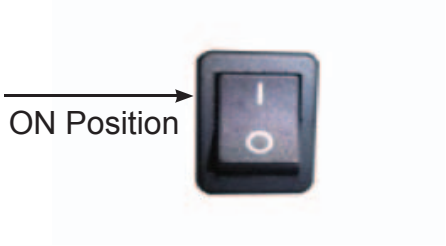
Stand-By Button

HOW TO TURN GLASS DOOR MODEL LIGHTS ON/OFF

May need to unlock control.

WHY:

LIGHT MAY BE CONTROLLED BY LAE CONTROLLER OR INTERIOR LIGHT SWITCH.



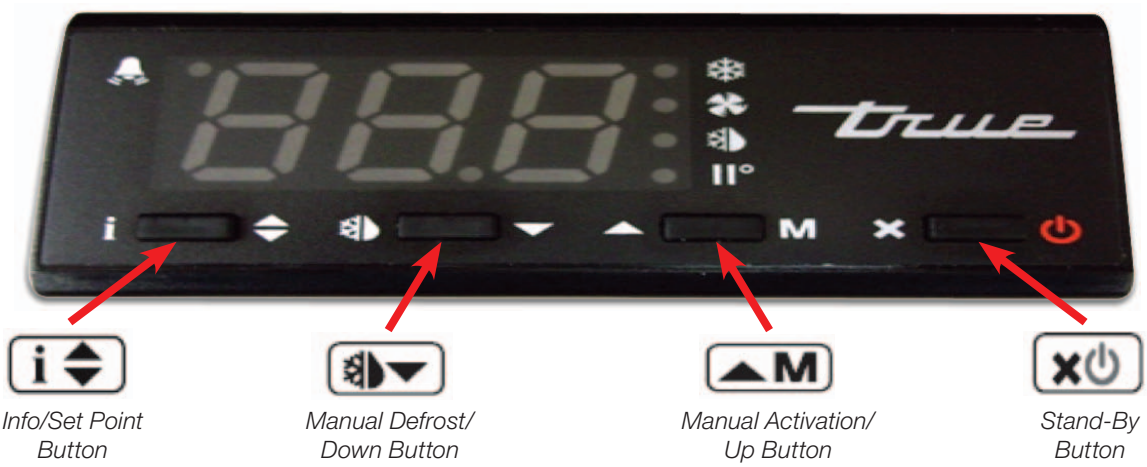
HOW:

A. To control interior/sign lights by the LAE Controller, press and release the "Manual Activation" M button.

B. To control interior/sign lights by the interior door switch, depress the rocker switch to the "ON" position. Light Switch is located on inside top right of the ceiling.

(Solid Door models lights are controlled by a door switch)

LAE Electronic Control



SETTING TIME OF DAY

May need to unlock control. Does not adjust for daylight savings time.

This is only necessary if the defrost mode parameter (DFM) is set for "RTC".

WHY:

TO MAKE SURE THE CABINET DOES NOT INITIATE DEFROST & GET WARM DURING TIMES OF HIGH USAGE.

Control may be designed to initiate defrost at specific times of the day.

HOW:

A. To change the time of day, press and release the info button [i] "t1" will appear.

   Press the up button [▲M] until "min" appears. See image 1.

B. While pressing and holding the info button [i], press the up [▲M] or down [❄▼] button to change the clock minutes. See image 2.

C. Once the minutes have been set correctly, release the info button [i] and "hrs" will appear on the display. See image 3.

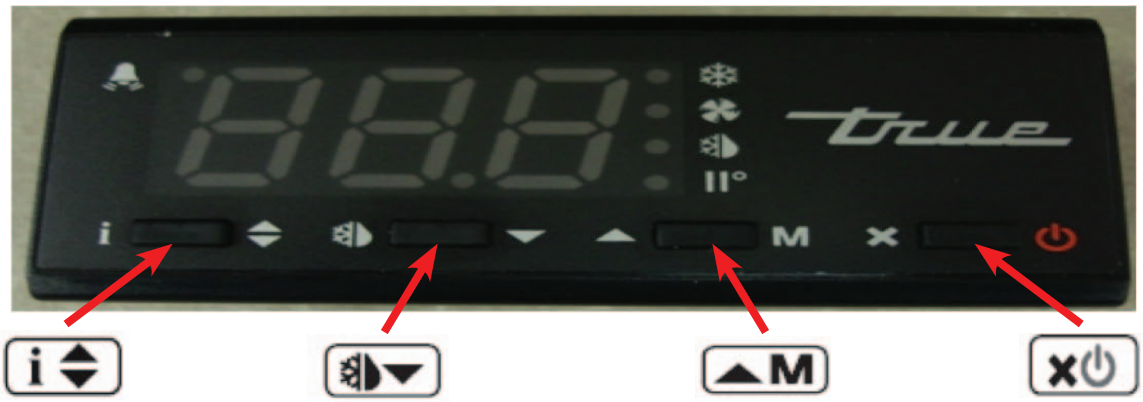
D. While pressing and holding the info button [i], press the up [▲M] or down [❄▼] button to change the clock hours. See image 4.

   Note: When changing the clock hour, the clock will be displayed in 24 hour format ranging from 0-23.

E. Once the hour has been set correctly, release the info button [i].

   Wait 5 seconds for the display to show temperature. See image 5.

LAE Electronic Control



LAE Control Icons

- Compressor Running
- Evaporator Fan Running
- Cabinet in Defrost
- Activation of 2nd Parameter Set - NA
- Alarm - NA

Info/Set Point Button

Manual Defrost/ Down Button

Manual Activation/ Up Button

Stand-By Button

HOW TO CHANGE THE "SET POINT"

May need to unlock control.

WHY:

THE SET POINT IS THE TEMPERATURE AT WHICH THE COMPRESSOR WILL SHUT OFF.

Please note that the "set point" IS NOT the cabinet holding temperature.

HOW:

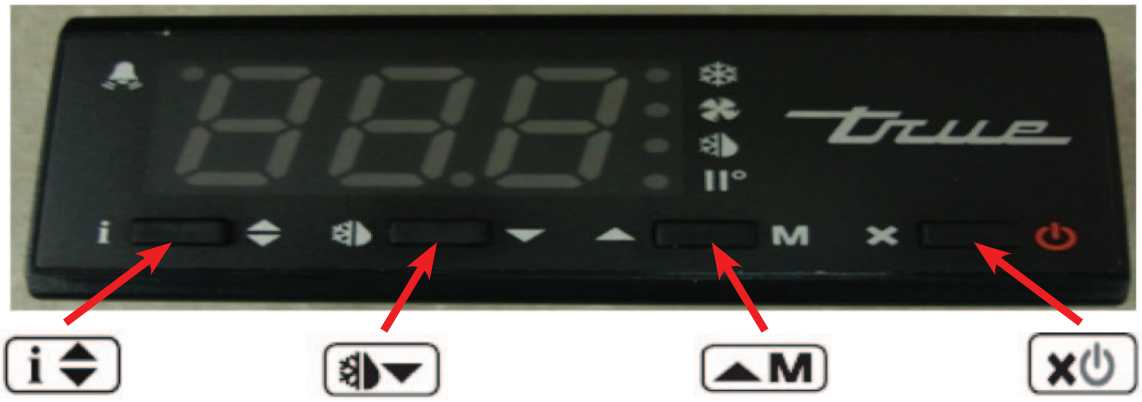
A. To see the set point, press and hold the info button. See image 1.

B. While still holding the info button, press the up or down button to change the "set point".

C. Once the "set point" has been set correctly release the info button.

The display will show temperature. See image 2.

LAE Electronic Control



LAE Control Icons

- Compressor Running
- Evaporator Fan Running
- Cabinet in Defrost
- Activation of 2nd Parameter Set - NA
- Alarm - NA

Info/Set Point Button

Manual Defrost/ Down Button

Manual Activation/ Up Button

Stand-By Button

HOW TO INITIATE A MANUAL DEFROST

May need to unlock control.

WHY:

A ONE TIME ADDITIONAL DEFROST MAY BE NECESSARY TO CLEAR ACCUMULATED FROST/ICE FROM EVAPORATOR COIL.

HOW:

The method to initiate a manual defrost is determined by the Defrost Mode Parameter "DTM" preprogrammed in the controller.

A. REGULAR TIME DEFROST (TIM)

If controller is preprogrammed for "TIM", press and release the Manual Defrost button until "dEF" appears.

B. REAL TIME CLOCK (RTC)

If controller is preprogrammed for "RTC" press the and hold the Manual Defrost button for 5 seconds until "dh1" appears. Release the Manual Defrost button and then press and hold for an additional 5 seconds until "dEF" appears.

DEFROST WILL ONLY TERMINATE ONCE A SPECIFIC PRESET TEMPERATURE OR A PRESET TIME DURATION IS REACHED.

LAE Electronic Control

LAE Control Icons

- Compressor Running
- Evaporator Fan Running
- Cabinet in Defrost
- Activation of 2nd Parameter Set - NA
- Alarm - NA

Info/Set Point Button — *Manual Defrost/ Down Button* — *Manual Activation/ Up Button* — *Stand-By Button*

HOW TO CHANGE "DEFROST INTERVALS"

May need to unlock control.

This can only be changed if defrost mode parameter "DFM" is set for "TIM".

WHY:

THE DEFROST INTERVAL IS THE TIME DURATION BETWEEN DEFROST CYCLES.

The Defrost Interval time starts when the cabinet is supplied power or after a manual defrost.

HOW:

A. To see the set point, press and hold the info button [i] and the stand-by button [x⏻] at the same time. "ScL" will appear. See image 1.

B. Push the up button [▲M] until "dFt" appears. See image 2.

C. Press and hold the info button [i] to see the "defrost interval time". See image 3.

D. While pressing and holding the info button [i], press the up or down button to change the "defrost interval times" (higher the number the less frequent the cabinet will defrost).

E. Once the "defrost interval time" has been changed, release the info button [i].

   Wait 30 seconds for the display to show temperature. See image 4.

LAE Electronic Control

LAE Control Icons

- Compressor Running
- Evaporator Fan Running
- Cabinet in Defrost
- Activation of 2nd Parameter Set - NA
- Alarm - NA

Info/Set Point Button | *Manual Defrost/ Down Button* | *Manual Activation/ Up Button* | *Stand-By Button*

HOW TO CHANGE A "DEFROST CYCLE"

May need to unlock control.

This can only be changed if defrost mode parameter (DFM) is set for "RTC".

WHY:

THE DEFROST TIME IS THE TIME OF DAY DEFROST CYCLES ARE INITIATED.

Time of Day must be set ensure that factory set defrost times are occur at the correct times. By adding a cycle you will be adding an extra specific defrost start time.

HOW:

A. To see the defrost times press and hold the info button [i] and the stand-by button [x] at the same time.. "ScL" will appear. See image 1.

B. Push the "up" button [▲M] until "dh1" appears. See image 2.

C. Press and hold the info button [i] to see the "defrost time". See image 3.
Note: Clock times are displayed in 24 hour format ranging from 0-23.5.

D. Release and push the info button [i] to scroll "dh1" - "dh6" which show the factory pre-set defrost times. See image 4. Additional time of day may be added when the time for defrost shows "---".

E. While pressing and holding the info button [i] press the up or down button to change "defrost time". See image 5.

F. Once the "defrost time" has been added release the info [i] button. Wait 30 seconds for the display to show temperature. See image 6.

ALL OTHER SETTINGS ARE FACTORY PRE-SET AND SHOULD NOT BE CHANGED.
If you have any questions, please call TRUE technical service.
Phone: 800-325-6152 • Email: service@truemfg.com

NOTE:

The package containing the pilasters will have the same serial number as cooler. Please check to make sure these serial numbers are the same.

PILASTER INSTALLATION & OPERATION

TRUE STR, STA, and STG cabinets are available with four different shelving / tray slide options.

Type Kit #1. Angle Type Tray Slide

Type Kit #2. Rod Style Tray Slide

Type Kit #3. Universal Tray Slide

Type Kit #4. Shelf Standards (shelf clips)

Required Tools:

- Standard Screwdriver (Flathead)
- Rubber / Plastic Mallet
- Tape Measure

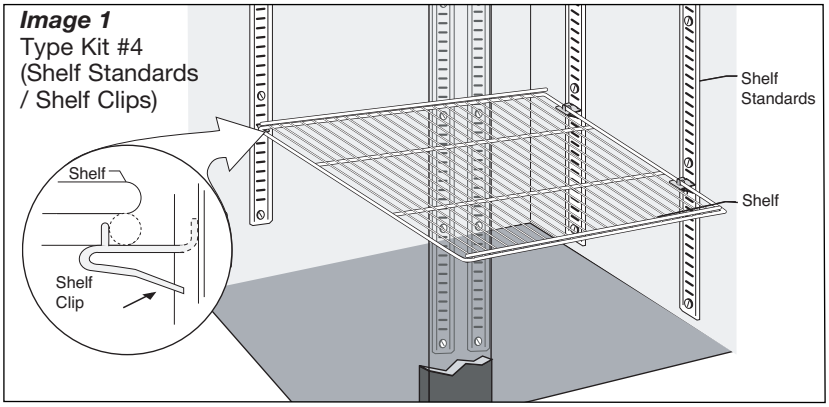
Installation Procedures (Wire Shelves):

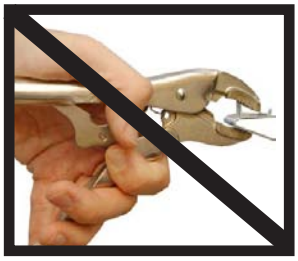
Wire shelves come with shelf clips (image 1).

Properly insert the shelf clips in the desired height (remember all shelf clips will need to be installed at the same height to keep the shelf level.

Once the shelves are installed the remaining threaded holes will have thumb screws inserted. These thumb screws are provided in the unit.

Image 1
Type Kit #4
(Shelf Standards / Shelf Clips)





WARNING

Do not use pliers or any crimping tools when installing shelf clips. Altering shelf clips in any way can lead to shelving instability.

Install the top tab of the shelf clip into the proper hole. Push up on the bottom of the clip. Bottom tab of the shelf clip will fit tightly. You may need to squeeze or twist the bottom of the shelf clip to install.

Type Kit #1 (Angle Type Tray Slide)


Image 2


Image 3

Type Kit #2 (Rod Style Tray Slide)


Image 4


Image 5

Type Kit #3 (Universal Tray Slide)


Image 6


Image 7

PILASTER CONFIGURATION & INSTALLATION

Configuration (Pilasters):

Each TRUE Specification Series (STR, STA, and STG) is available with two pilaster configurations. Each configuration depends on the end user preference. Multiple door units can have two configurations for each section.

See Image 13.

Installation Procedures (Pilasters):

Install slotted thumb screws into threaded holes along the inside wall of the cabinet.

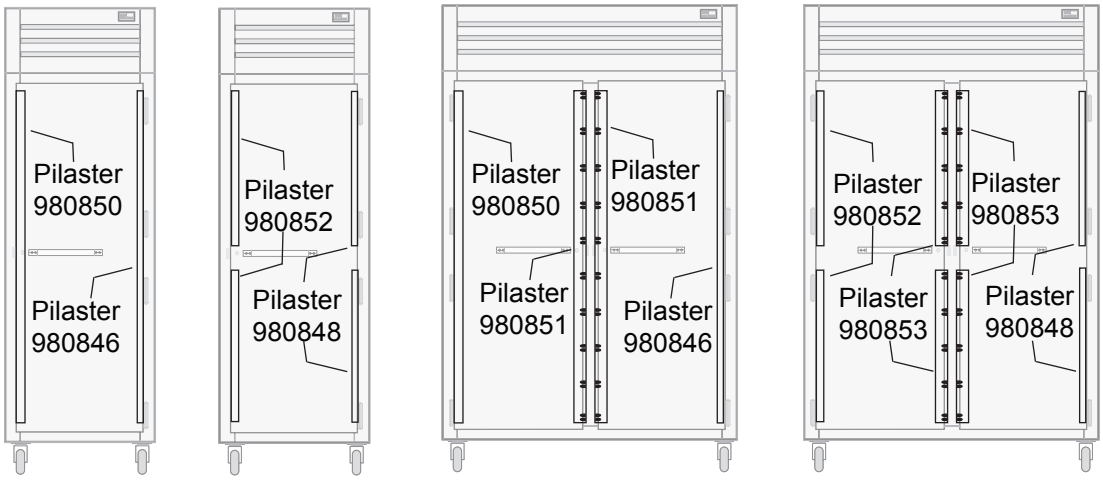
Slide pilasters into position behind the slotted screws. Leave all of the thumb screws loose for adjustments when installing tray slides.

It is critical to measure from the center of the square hole on the front pilaster to the center hole of the rear pilaster. This measurement should be 24 5/8" (see image 14). Do the same on the opposite side of cabinet for single door. Make sure the measurement (24 5/8") is the same in the center pilasters in 2 and 3 door units. Tap the tray slides into the Pilasters with a rubber Mallet.

Angle & Rod Type shelving uses a 18 1/8" distance between Pilasters. Universal Tray slides have a 21 1/4" distance between Pilasters (see image 15).

After the pilasters are installed the Universal Tray, Angle Type Tray, and Rod Style Tray Slides will slide into the pilasters (see images 2-7). When disassembling or changing tray slides a rubber mallet may be used to take out the different tray slides. Gently tap on the under side of the tray slide to loosen it from the pilaster.

Image 13



(Critical Measurement Front to Rear Pilasters)

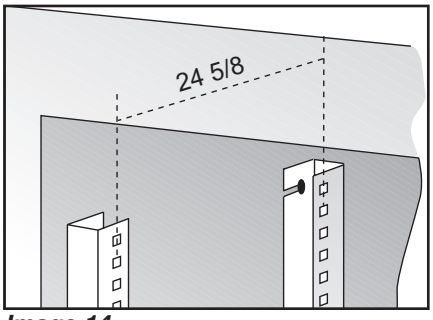


Image 14

Top view (Critical Measurement side to side)

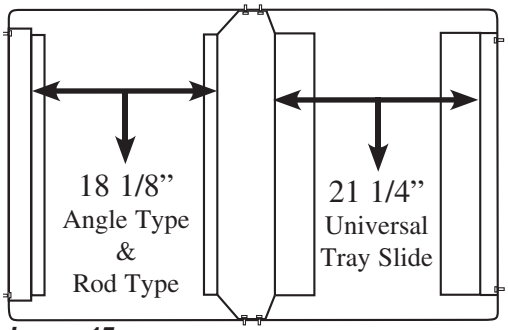


Image 15

Image 16

Pilaster Installation (Side Wall of Cabinet)

Image 17

Pilaster Installation Two and Three Door Models (Middle of Wall in Rear of Cabinet)

Image 18

Pilaster Installation (Back Wall of Cabinet / Two & Three Door Models)

DOOR OPERATION

Door Configuration:

After installing, cabinet doors can be adjusted for alignment. The hinge on the door and hinge on the cabinet can be adjusted accordingly.

Step 1

To remove door open at a 90˚ angle from the cabinet and lift door up and out from the cabinet hinges carefully avoiding rainshield. Rest the door in a safe area.

Step 2

Remove gray plastic cover from hinge located on the cabinet. (See image 1). Use a standard screw driver and pry out the gray cover. This exposes the three Phillips screw anchoring the hinge to the cabinet. (See image 2). Loosen these three screws but don't remove them. Adjustment can be made slightly up/down and side to side.

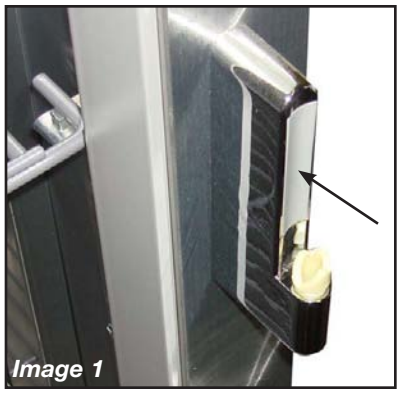


Image 1

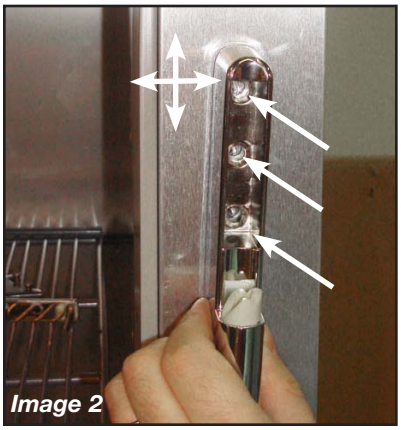


Image 2

Step 3

The hinge on the cabinet door can also be adjusted. Remove cover from hinge located on the door. Pull on the cover directly out from the door. (See image 3). This exposes the three Phillips screws anchoring the hinge to the door. Loosen these three screws but don't remove them. The hinge can be moved side to side, up and down. (See image 4).

NOTE:

When tightening the hinges to the cabinet and door do not apply pressure to the Phillips screws. Carefully anchor them without applying extreme amounts of pressure.


Image 3


Image 4

Step 4

To adjust the lock latch remove two Phillips screws and the latch can be put to the side for later reinstallation. (See image 5). The lock base that anchors the latch can be adjusted simply by loosening the two Phillips screws, but not removing them. Then the lock base can be moved side to side for adjustment. (See image 6). After adjustment is complete tighten the lock base and install the latch back into place.

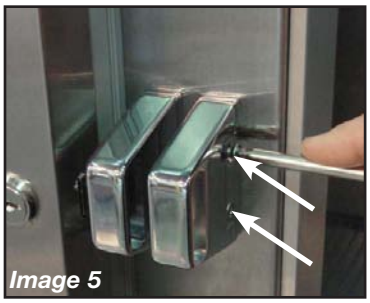


Image 5

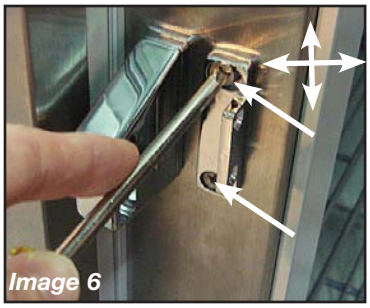


Image 6

MAINTENANCE, CARE & CLEANING

CLEANING THE CONDENSER COIL

When using electrical appliances, basic safety precautions should be followed, including the following:

- Disconnect power supply.

CAUTION: Before performing service or maintenance make sure louver grill is secured in open position. Use instructions and photos below to secure louver grill.

1. Remove thumbscrews on the top of each cabinet end.
2. Lift louver grill (careful not to pull on any wires)
3. Reinstall thumbscrews

   A. The thumbscrews should be put through louver grill holes and fastened into previous position in cabinet end.

CAUTION: Make sure top louver grill is correctly seated in the open position when servicing or cleaning.

Thumbscrew Location


Louver grill in upright position

B. When servicing is complete remove thumbscrews and close louver grill. Then reinstall thumbscrews into original location.

- While cleaning condenser coil lift and hold top louvered grill. Clean off accumulated dirt from the condenser coil with a stiff bristle brush. Vacuum all dirt residue from the coil and surrounding areas while holding the top louvered grill. Any servicing to condensing unit remove top louvered grill. On top of the cabinet are two screws are located on either side of the louver grill. Remove these screws from the hinges and keep them in a safe place while servicing the unit. These screws are needed for later re-install of the louver grill.


Condenser Cleaning

IMPORTANT WARRANTY INFORMATION

Condensers accumulate dirt and require cleaning every 30 days. Dirty condensers result in compressor failure, product loss, and lost sales... which are not covered by warranty.

If you keep the Condenser clean you will minimize your service expense and lower your electrical costs. The Condenser requires scheduled cleaning every thirty days or as needed.

Air is pulled through the Condenser continuously, along with dust, lint, grease, etc.

A dirty Condenser can result in NON-WARRANTEED part & Compressor Failures, Product Loss, and Lost Sales.

Proper cleaning involves removing dust from the Condenser. By using a soft brush, or vacuuming the Condenser with a shop vac, or using CO2, nitrogen, or pressurized air.

If you cannot remove the dirt adequately, please call your refrigeration service company.

On the Spec Series units the condenser is accessible on the top of the unit. You must lift open the cabinet rainshield to expose the Condenser. (Spec Series models)

The Condenser looks like a group of vertical fins. You need to be able to see through the condenser for the unit to function at maximum capacity. Do not place filter material in front of condensing coil. This material blocks air-flow to the coil similar to having a dirty coil.

THE CLEANING OF THE CONDENSER IS NOT COVERED BY THE WARRANTY!

HOW TO CLEAN THE CONDENSER:

1. Disconnect the electrical power to the unit.
2. Open the rainshield.
3. Vacuum or brush the dirt, lint, or debris from the finned condenser coil.
4. If you have a significant dirt build up you can blow out the condenser with compressed air.
   (CAUTION MUST BE USED to avoid eye injury. Eye protection is recommended.)
5. When finished be sure to close the rainshield.
6. Reconnect the electrical power to the unit.

If you have any questions, please call TRUE Manufacturing at 636-240-2400 or 800-325-6152 and ask for the Service Department. Service Department Availability Monday-Friday 7:30 a.m. to 5:30p.m. and Saturday 8:00 a.m. to 12:00 a.m. CST.

STAINLESS STEEL EQUIPMENT CARE AND CLEANING

CAUTION:

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

Stainless Steel Opponents

There are three basic things which can break down your stainless steel's passivity layer and allow corrosion to rear its ugly head.

1) Scratches from wire brushes, scrapers, and steel pads are just a few examples of items that can be abrasive to stainless steel's surface.
2) Deposits left on your stainless steel can leave spots. You may have hard or soft water depending on what part of the country you live in. Hard water can leave spots. Hard water that is heated can leave deposits if left to sit too long. These deposits can cause the passive layer to break down and rust your stainless steel. All deposits left from food prep or service should be removed as soon as possible.
3) Chlorides are present in table salt, food, and water. Household and industrial cleaners are the worst type of chlorides to use.

8 steps that can help prevent rust on stainless steel:

1. ***Using the correct cleaning tools***

   Use non-abrasive tools when cleaning your stainless steel products. The stainless steel's passive layer will not be harmed by soft cloths and plastic scouring pads. Step 2 tells you how to find the polishing marks.

2. ***Cleaning along the polish lines***

   Polishing lines or "grain" are visible on some stainless steels. Always scrub parallel to visible lines on some stainless steels. Use a plastic scouring pad or soft cloth when you cannot see the grain.

3. ***Use alkaline, alkaline chlorinated or non-chloride containing cleaners***

   While many traditional cleaners are loaded with chlorides, the industry is providing an ever increasing choice of non-chloride cleaners. If you are not sure of your cleaner's chloride content contact your cleaner supplier. If they tell you that your present cleaner contains chlorides, ask if they have an alternative. Avoid cleaners containing quaternary salts as they can attack stainless steel, causing pitting and rusting.

4. ***Water Treatment***

   To reduce deposits, soften the hard water when possible. Installation of certain filters can remove corrosive and distasteful elements. Salts in a properly maintained water softener can be to your advantage. Contact a treatment specialist if you are not sure of the proper water treatment.

5. ***Maintaining the cleanliness of your food equipment***

   Use cleaners at recommended strength (alkaline, alkaline chlorinated or non-chloride). Avoid build-up of hard stains by cleaning frequently. When boiling water with your stainless steel equipment, the single most likely cause of damage is chlorides in the water. Heating any cleaners containing chlorides will have the same damaging effects.

6. ***Rinse***

   When using chlorinated cleaners you must rinse and wipe dry immediately. It is better to wipe standing cleaning agents and water as soon as possible. Allow the stainless steel equipment to air dry. Oxygen helps maintain the passivity film on stainless steel.

7. ***Hydrochloric acid (muriatic acid) should never be used on stainless steel***
8. ***Regularly restore/passivate stainless steel***

STAINLESS STEEL EQUIPMENT CARE AND CLEANING

Recommended cleaners for certain situations / environments of stainless steel

A) Soap, ammonia and detergent medallion applied with a cloth or sponge can be used for routine cleaning.

B) Arcal 20, Lac-O-Nu Ecoshine applied provides barrier film for fingerprints and smears.

C) Cameo, Talc, Zud First Impression is applied by rubbing in the direction of the polished lines for stubborn stains and discoloring.

D) Easy-off and De-Grease It oven aid are excellent for removals on all finishes for grease-fatty acids, blood and burnt-on foods.

E) Any good commercial detergent can be applied with a sponge or cloth to remove grease and oil.

F) Benefit, Super Sheen, Sheila Shine are good for restoration / passivation.

NOTE:

The use of stainless steel cleaners or other such solvents is not recommended on plastic parts. Warm soap and water will suffice.

WARRANTY INFORMATION (U.S.A & CANADA ONLY!)

ONE YEAR PARTS & LABOR WARRANTY

TRUE warrants to the original purchaser of every new TRUE refrigerated unit, the cabinet and all parts thereof, to be free from defects in material or workmanship, under normal and proper use and maintenance service as specified by TRUE and upon proper installation and start-up in accordance with the instruction packet supplied with each TRUE unit. TRUE's obligation under this warranty is limited to a period of one (1) year from the date of original installation or 15 months after shipment date from TRUE, whichever occurs first.

Any part covered under this warranty that are determined by TRUE to have been defective within one (1) year of original installation or fifteen (15) months after shipment date from manufacturer, whichever occurs first, is limited to the repair or replacement, including labor charges, of defective parts or assemblies. The labor warranty shall include standard straight time labor charges only and reasonable travel time, as determined by TRUE.

ADDITIONAL FOUR YEAR COMPRESSOR WARRANTY

In addition to the one (1) year warranty stated above, TRUE warrants its hermetically and semi-hermetically sealed compressor to be free from defects in both material and workmanship under normal and proper use and maintenance service for a period of four (4) additional years from the date of original installation but not to exceed five (5) years and three (3) months after shipment from the manufacturer.

Compressors determined by TRUE to have been defective within this extended time period will, at TRUE's option, be either repaired or replaced with a compressor or compressor parts of similar design and capacity.

The four (4) year extended compressor warranty applies only to hermetically and semi-hermetically sealed parts of the compressor and does not apply to any other parts or components, including, but not limited to, cabinet, paint finish, temperature control, refrigerant, metering device, driers, motor starting equipment, fan assembly or any other electrical component, etcetera.

404A/134A COMPRESSOR WARRANTY

The four year compressor warranty detailed above will be voided if the following procedure is not carefully adhered to:

1. This system contains R404A or R134A refrigerant and polyol ester lubricant. The polyol ester lubricant has rapid moisture absorbing qualities. If long exposure to the ambient conditions occur, the lubricant must be removed and replaced with new. For oil amounts and specifications please call TRUE technical service department (800-325-6152). Failure to comply with recommended lubricant specification will void the compressor warranty.
2. Drier replacement is very important and must be changed when a system is opened for servicing. A drier using XH-7 desiccant or an exact replacement solid core drier must be used. The new drier must also be the same capacity as the drier being replaced.
3. Micron level vacuums must be achieved to insure low moisture levels in the system. 500 microns or lower must be obtained.

WARRANTY CLAIMS

All claims for labor or parts must be made directly through TRUE. All claims should include: model number of the unit, the serial number of the cabinet, proof of purchase, date of installation, and all pertinent information supporting the existence of the alleged defect.

In case of warranty compressor, the compressor model tag must be returned to TRUE along with above listed information.
Any action or breach of these warranty provisions must be commenced within one (1) year after that cause of action has occurred.

WHAT IS NOT COVERED BY THIS WARRANTY

TRUE's sole obligation under this warranty is limited to either repair or replacement of parts, subject to the additional limitations below. This warranty neither assumes nor authorizes any person to assume obligations other than those expressly covered by this warranty.

NO CONSEQUENTIAL DAMAGES. TRUE IS NOT RESPONSIBLE FOR ECONOMIC LOSS; PROFIT LOSS; OR SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION, LOSSES OR DAMAGES ARISING FROM FOOD OR PRODUCT SPOILAGE CLAIMS WHETHER OR NOT ON ACCOUNT OF REFRIGERATION FAILURE.

WARRANTY IS NOT TRANSFERABLE. This warranty is not assignable and applies only in favor of the original purchaser/user to whom delivered. ANY SUCH ASSIGNMENT OR TRANSFER SHALL VOID THE WARRANTIES HEREIN MADE AND SHALL VOID ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IMPROPER USAGE. TRUE ASSUMES NO LIABILITY FOR PARTS OR LABOR COVERAGE FOR COMPONENT FAILURE OR OTHER DAMAGES RESULTING FROM IMPROPER USAGE OR INSTALLATION OR FAILURE TO CLEAN AND/OR MAINTAIN PRODUCT AS SET FORTH IN THE WARRANTY PACKET PROVIDED WITH THE UNIT.

RESIDENTIAL APPLICATIONS: TRUE assumes no liability for parts or labor coverage for component failure or other damages resulting from installation in non-commercial or residential applications.

ALTERATION, NEGLECT, ABUSE, MISUSE, ACCIDENT, DAMAGE DURING TRANSIT OR INSTALLATION, FIRE, FLOOD, ACTS OF GOD. TRUE is not responsible for the repair or replacement of any parts that TRUE determines have been subjected after the date of manufacture to alteration, neglect, abuse, misuse, accident, damage during transit or installation, fire, flood, or act of God.

IMPROPER ELECTRICAL CONNECTIONS. TRUE IS NOT RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF FAILED OR DAMAGED COMPONENTS RESULTING FROM ELECTRICAL POWER FAILURE, THE USE OF EXTENSION CORDS, LOW VOLTAGE, OR VOLTAGE DROPS TO THE UNIT.

NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE: THERE ARE NO OTHER WARRANTIES, EXPRESSED, IMPLIED OR STATUTORY, EXCEPT THE ONE (1) YEAR PARTS & LABOR WARRANTY AND THE ADDITIONAL FOUR (4) YEAR COMPRESSOR WARRANTY AS DESCRIBED ABOVE. THESE WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, INCLUDING IMPLIED WARRANTY AND MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

OUTSIDE U.S./Canada: This warranty does not apply to, and TRUE is not responsible for, any warranty claims made on products sold or used outside the United States or Canada.