

WARRANTY LABOR CLAIM

True Manufacturing 2001 East Terra Lane O'Fallon, MO 63366-4434 Phone#636-240-2400 • 855-878-9277 Fax#636-980-8510 warrantyclaims@truemfg.com

INSTRUCTIONS FOR COMPLETING FORM:

- 1. Model and serial number of the equipment involved must be supplied. (One cabinet serial number per claim form)
- 2. Submit claims directly to True via mail, email, or fax.
- 3. A Copy of the "Bill of Sale" is recommended and may be required to determine warranty status.
- 4. Must be submitted in legal form (print).
- 5. This form may be used as your original invoice.

WARRANTY SERVICE GUIDE

When submitting a bill for warranty work, please refer to the "Warranty Repair Guidelines by Model". The hours submitted must be within the guidelines or authorization is required from TRUE. The time spent on the job should be multiplied by the straight time labor rate to determine the charge. TRUE reserves the right to pay no more than the average commercial hourly rates within the Distributor territory or region of the country. To prevent delays in processing claims, a complete explanation of the diagnosis/failure and the repair are required. TRUE realizes that diagnostic and repair times may vary depending on the problem and model.

MULTIPLE REPAIRS DURING SAME SERVICE CALL

To diagnose and repair or replace more than one item, use up to the highest allowable time for the single repair, then add $\frac{1}{2}$ hour for each additional repair.

REFRIGERANT ALLOWANCES

- No alternative blends are approved without written permission.
- New or reclaimed refrigerant (meets ARI Standard 700.88 Lab test). (for R134a/404a only)
- The recovery and reuse of refrigerant is covered by the \$25.00 reclaim charge. (for R134a/404a only)
- Only the weigh-in charge for the unit will be reimbursed. Otherwise an explanation will be required.

TO SEE WHAT IS COVERED/NOT COVERED UNDER WARRANTY PLEASE REFER TO THE WARRANTY STATEMENT

For warranty questions, please call us at 855-878-9277 or email warrantyinguiries@truemfg.com.

For technical questions, please call us at 800-325-6152 or email service@truemfg.com.

NO CONSEQUENTIAL DAMAGES



O'Fallon, MO 63366-4434

Phone#636-240-2400 • 855-878-9277 Fax#636-980-8510 warrantyclaims@truemfg.com

USA WARRANTY LABOR CLAIM

For Questions Contact: Technical Support: service@truemfg.com Warranty Information: warrantyinquiries@truemfg.com

Servicer's Invoice Number (if attached) _

Important: Please Place Only One Cabinet	Model No.	Serial No.	Date Failed	Date Repaired
Serial Number Per Warranty Claim Form.				

SERVICE COMPANY	END USER
Company Name:	Company Name:
Address:	Address:
City, State, Zip:	City, State, Zip:
Phone #:	Phone #:

Reported Complaint

Service Performed (Symptoms and / or summary of diagnosis made is required. List hours and explanation for each repair made. Give exact location of any leaks.)

SEE WARRANTY REPAIR GUIDELINES BY MODEL FOR TIME ALLOWED. Any refrigeration repair should be in accordance with True's Good Refrigeration Practices. See Warranty Guidelines. PLEASE CALL FOR APPROVAL IF TIME IS GOING TO EXCEED HOURS ALLOWED. ALL WARRANTY CLAIMS MUST BE RECEIVED AT TRUE WITHIN 90 DAYS OF COMPLETION OF THE WORK.

	Micron Level Achieved		Please Circle USD
LABOR	Labor Rate Per Hour	_ Labor Hours	\$
CHARGES	Travel Time	_ Total Hours	\$
	Type Of Refrigerant Used	_ Ounces Of Refrigerant Usedx Price Per Ounce	\$
	Nitrogen Usage Fee (Maximum \$5.00)		\$
	Miscellaneous Material Fee Maximum (Includes soldering supplies, vacuum p	\$25.00 ump, etc.)	\$
	Reclaim Fee Maximum \$25.00 Allowed	(for 134a/404a only)	\$
PART REIMBURSEMENT	Part Description and/or Part Number(s) (Please list separately below)) Used	
	Replacement compressor serial number	er	\$
	Miscellaneous charges (please explain)		\$
		Tax (if applicable)%	\$
Signatures Requ	ired (or attach Service Agents original	invoice with signatures.) Grand Tota	al \$
CUSTOMER SIG	NATURE	SERVICE TECHNICIAN SIGNATURE	ertified per EPA requirements)
Date Signed		Date Signed	

Date Signed _

UPRIGHT REFRIGERATORS AND FREEZERS

REFRIG	ERATION All refrigeration repairs should be done in accordance with True's Good Refrigeration Practices. SEI	E ATTACHED
Α.	Diagnose and replace defective compressor	.4 ½ hrs.
В.	Diagnose and replace defective compressor for GDM-72F/T-72F	.5 ½ hrs.
C.	Diagnose and replace defective condensing unit	.4 hrs.
D.	Diagnose and replace defective condensing unit for GDM-72F/T-72F	.5 hrs.
Ε.	Diagnose and replace defective evaporator coil	.4 ½ hrs.
F.	Diagnose and replace defective evaporator coil with multiple condensing units	.6 hrs.
G.	Locate refrigeration leak (NOTE: The location of the refrigerant leak must be noted on the service invoice)	.4 hrs.
Η.	Diagnose and reroute defective capillary tube and replace the condensing unit	.6 hrs.
I.	Diagnose and reroute defective capillary tube and replace the condensing unit for GDM-72F/T-72F	.6 ½ hrs.
J.	Diagnose and repair or replace defective refrigeration parts, other than list above which require opening	
	the refrigeration system.	.4 hrs.

Multiple Refrigeration Repairs will be paid at the highest rate for the part changed, plus 1 hour for each additional refrigeration component changed.

ELECTRICAL

Diagnose and replace temperature control, module, display	2 hrs.
Diagnose and replace probe(s)	1 ½ hrs.
Diagnose and replace evaporator coil heater	4 hrs.
Diagnose and replace termination/high limit switch	3 hrs.
Diagnose and replace drain line heater	3 ½ hrs.
Diagnose and replace perimeter heater	4 hrs.
Diagnose and replace mullion heater	1 ½ hrs.
Diagnose and replace time clock	1 ½ hrs.
Diagnose and replace, driver, LED module	1 ½ hrs.
Diagnose and replace the IDL door cord	2 hrs.
Diagnose and replace condenser fan motor	2 hrs.
Diagnose and replace evaporator fan motor	1 ½ hrs.
Diagnose and replace compressor starting components	2 hrs.
	Diagnose and replace temperature control, module, display Diagnose and replace probe(s) Diagnose and replace evaporator coil heater Diagnose and replace termination/high limit switch Diagnose and replace drain line heater Diagnose and replace perimeter heater Diagnose and replace mullion heater Diagnose and replace time clock Diagnose and replace, driver, LED module Diagnose and replace the IDL door cord Diagnose and replace condenser fan motor Diagnose and replace evaporator fan motor Diagnose and replace compressor starting components

CABINET

Α.	Diagnose and replace door(s)	1 hr.
	Diagnose and replace door torsion spring /cartridge/door hinges	
	Diagnose and replace door cord/retractor (GDM / TSD Slide Door)	
D.	Diagnose and replace door cams on STA, STG, STM,STR	1 hr.

LABOR ALLOWANCES INCLUDE THE INITIAL DIAGNOSIS AND REPAIR SHOULD YOUR REPAIR OR THE TIME TO PERFORM THE NECESSARY REPAIRS EXCEED THE ALLOWED AMOUNT PLEASE CONTACT THE TECHNICAL SERVICE DEPARTMENT OR THE WARRANTY DEPARTMENT PRIOR TO OR WHILE DOING THE WARRANTY REPAIR FOR APPROVAL.

FOR REPAIRS NOT NOTED, PLEASE CONTACT THE TECHNICAL SERVICE DEPARTMENT OR THE WARRANTY DEPARTMENT FOR APPROVAL.

CUSTOMER RESPONSIBILITIES TO INCLUDE BUT NOT LIMITED TO:

- A. To verify the product's installation date to process warranty.
- B. To pay for normal operational maintenance, adjustments and cleaning.
- C. To pay for repairs caused by modifications made without TRUE'S written approval.
- D. To pay for damage repairs resulting from electrical supply, water or drainage, flood, storm or other acts of God.
- E. To pay for premium labor rates, holidays, overtime, etc., unreasonable travel time, flat rate service call charges, mileage or miscellaneous tools and material charges not listed on payment schedule and additional labor charges resulting from inaccessibility of the cabinet.

NO CONSEQUENTIAL DAMAGES

REACH-IN REFRIGERATORS AND FREEZERS

REFRIG	ERATION All refrigeration repairs should be done in accordance with True's Good Refrigeration Practices. S	EE ATTACHED
Α.	Diagnose and replace defective compressor	4 ½ hrs.
В.	Diagnose and replace defective condensing unit	4 hrs.
C.	Diagnose and replace defective evaporator coil by removing cabinet top	
D.	Locate refrigeration leak (NOTE: The location of leak must be noted on the service invoice)	4 hrs.
E.	Locate refrigeration leak and repair with top removal for TMC/TPP/TRCB	5 hrs.
F.	Diagnose and replace defective capillary tube	4 ½ hrs.
G.	Diagnose and repair or replace defective refrigeration parts, other than list above which require opening	
	the refrigeration system.	4 hrs.

Multiple Refrigeration Repairs will be paid at the highest rate for the part changed, plus 1 hour for each additional refrigeration component changed.

ELECTRICAL

Α.	Diagnose and replace temperature control, module, display	2 hrs.
В.	Diagnose and replace probe(s)	1 ½ hrs.
C.	Diagnose and replace temperature control for the TRCB	3 hrs.
D.	Diagnose and replace termination/high limit switch	3 hrs.
Ε.	Diagnose and replace drain line heater	3 hrs.
F.	Diagnose and replace perimeter heater	4 hrs.
G.	Diagnose and replace time clock	1 ½ hrs.
Η.	Diagnose and replace, ballast, driver, lamp holder, LED module, IDL door cord	1 ½ hrs.
Ι.	Diagnose and replace condenser fan motor	2 hrs.
J.	Diagnose and replace evaporator motor	1 ½ hrs.
K.	Diagnose and replace evaporator fan motor in a drawer unit	2 hrs.
L.	Diagnose and replace compressor starting components	2 hrs.

CABINET

A.	Diagnose and replace door(s)	1 hr.
	Diagnose and replace door cartridge/door hinges	
	Countertop removal 93" and larger (Added to Repair for 2 Men)	
D.	General cabinet repair	1 ½ hrs.

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- C. To pay for repairs caused by modifications made without TRUE's written approval.
- D. To pay for damage repairs resulting from electrical supply, water or drainage, flood, storm or other acts of God.
- E. To pay for premium labor rates, holidays, overtime, etc., unreasonable travel time, flat rate service call charges, mileage or miscellaneous tools and material charges not listed on payment schedule and additional labor charges resulting from inaccessibility of the cabinet.

NO CONSEQUENTIAL DAMAGES

TCGD/TCGG/TCGR/TDBD/TDM/TSID Series Cabinets

REACH-IN REFRIGERATORS

REFRIGERATION All refrigeration repairs should be done in accordance with True's Good Refrigeration Practices. SEE ATTACHED

В.	Diagnose and replace defective compressor (including starting components) and test Diagnose and replace defective condensing unit, and test Diagnose and replace defective evaporator, change drier, and test	
D.	Diagnose and replace defective evaporator, change drier, and test for TDBD-96 models	5 ½ hrs.
Ε.	Locate refrigeration leak, change drier, and test (NOTE: The location of leak must be	
	noted on the service invoice)	4 hrs.
F.	Diagnose and reroute defective capillary tube	5 hrs.
	Diagnose and repair or replace defective refrigeration parts, other than listed above, which require	
	opening the refrigeration system.	4 hrs.

Multiple Refrigeration Service: Up to the highest rate for the part changed, plus 1 hour for each additional refrigeration part changed.

* PLEASE CONTACT THE TECHNICAL SERVICE DEPARTMENT FOR RECOMMENDATIONS

ELECTRICAL

A.	Diagnose and replace temperature control	2 ½ hrs.
В.	Diagnose and replace probe(s)	1 ½ hrs.
C.	Diagnose and replace time clock	1 ½ hrs.
	Diagnose and replace, ballast, driver, lamp holder, LED module, IDL door cord	
E.	Diagnose and replace condenser fan motor	2 hrs.
F.	Diagnose and replace evaporator fan motor	2 hrs.
G.	Diagnose and replace the front glass motor on a TDM	2 hrs.
	Diagnose and replace compressor starting components	

CABINET

Α.	Diagnose and replace door(s)	.1 hr.
В.	Diagnose and replace main glass	. Call for Pre-Approval.
C.	Diagnose and replace v-rollers	.1 hr.
	Diagnose and replace v-track	
	Diagnose and replace the door cord	
	Diagnose and replace the air deflector on TDM	
	General cabinet repair	

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FOR REPAIRS NOT NOTED, PLEASE CONTACT THE TECHNICAL SERVICE DEPARTMENT OR THE WARRANTY DEPARTMENT FOR APPROVAL.

CUSTOMER RESPONSIBILITIES TO INCLUDE BUT NOT LIMITED TO:

- A. To verify the product's installation date for warranty process.
- B. To pay for normal operational maintenance, adjustments and cleaning.
- C. To pay for repairs caused by modifications made without TRUE's written approval.
- D. To pay for damage repairs resulting from electrical supply, water or drainage, flood, storm or other acts of God.
- E. To pay for premium labor rates, holidays, overtime, etc., unreasonable travel time, flat rate service call charges, mileage or miscellaneous tools and material charges not listed on payment schedule and additional labor charges resulting from inaccessibility of the cabinet.

NO CONSEQUENTIAL DAMAGES

TDC /THDC /TFM Series Cabinets

FREEZERS - CHEST TYPE REFRIGERATION All refrigeration repairs

FRIGERATION All refrigeration repairs should be done in accordance with True's Good Refrigeration Practices. SEE ATTACHED				
	Diagnose and replace defective compressor (including starting components)			
В.	Diagnose and replace defective condensing unit, and test	4 hrs.		
C.	Locate refrigeration leak, change drier, and test (NOTE: The location of leak must be			
	noted on the service invoice)	4 hrs.		
D.	Diagnose and replace defective capillary tube, change drier, and test.	4 hrs.		
Ε.	Diagnose and repair or replace defective refrigeration parts, other than listed above, which require			
	opening the refrigeration system.	4 hrs.		

Multiple Refrigeration Service: Up to the highest rate for the part changed, plus 1½ hour for each additional refrigeration part changed.

* PLEASE CONTACT THE TECHNICAL SERVICE DEPARTMENT FOR RECOMMENDATIONS

ELECTRICAL

Α.	Diagnose and replace temperature control	2 ½ hrs.
	Diagnose and replace time clock	
	Diagnose and replace condenser fan motor	
	Diagnose and replace temp control relay, ballast, lamp holder	
E.	Diagnose and replace compressor starting components	2 hrs.

CABINET

3INET						
Α.	General cabinet repair		1	1/2 hrs.		
Β.	Diagnose and replace	door(s)	1	hr.		

LABOR ALLOWANCES INCLUDE THE INITIAL DIAGNOSIS AND REPAIR

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- C. To pay for repairs caused by modifications made without TRUE'S written approval.
- D. To pay for damage repairs resulting from electrical supply, water or drainage, flood, storm or other acts of God.
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NO CONSEQUENTIAL DAMAGES

STA/STG/STM/STR/T Heated Series Cabinets

UPRIGHT EQUIPMENT

ELECTRICAL

Α.	Diagnose and replace temperature control module, display	2 hrs.
В	Diagnose and replace probe(s)	
C.	Diagnose and replace condenser fan motor	
D.	Diagnose and replace termination/high limit switch	
E.	Diagnose and replace heating element	2 hrs.
F.	Diagnose and replace ballast, driver, lamp holder, LED module	2 hrs.
CABIN	ET	
Α.	Diagnose and replace door(s)	1 hr.
В.	Diagnose and replace door torsion spring/cartridge	2 hrs.
C.	Diagnose and replace the door cams on STA/STG/STM/STR	
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NO CONSEQUENTIAL DAMAGES



BUILDING THE FINEST COMMERCIAL REFRIGERATION-TRUE, "The Best of the Cold Ones"

GOOD REFRIGERATION PRACTICES

Good refrigeration practices will always start with good detective work to find out what caused the failure so we can eliminate the possibility of a repeat failure. Below is a step by step set of procedures we would recommend is followed when repairing a refrigeration system.

- Before opening the refrigeration system remember that POE oil is very hydroscopic and absorbs moisture very quickly. You should not leave the system open to the atmosphere for more than 15 minutes. Any vacuum that exists before any repair should be broken with nitrogen to avoid moisture being pulled into the system.
- For your manifold gauges, use as short of refrigeration hoses as possible. We recommend maximum of 12" (304.8 mm) hoses.
- Always replace the drier with the exact OEM size when opening the refrigeration system.
- Recover the refrigerant from the system. NOTE: R-290 can be vented in a well ventilated area with no source of ignition.
- The introduction to the refrigeration system of anything other than a flushing agent, nitrogen, refrigerant, or oil is prohibited.
- Remove the faulty refrigeration component and filter drier by cutting them out with a tubing cutter.
- If you are changing a component keep the system closed up with plugs or caps to reduce moisture contamination.
- Take a look at the filter drier and the components that have been removed for signs of oil breakdown, foreign objects like desiccant from drier, metal pieces from valves, etc.
- When replacing a compressor make sure to also remove all old oil from the system.
- While purging nitrogen through the system drill (approximately 1/8") (3.18 mm) hole in the bottom of the accumulator (IF EQUIPPED) so we do not leave contaminated oil in the system. After blowing this out with nitrogen, be sure to braze the hole closed.
- Be sure and test the oil from the refrigeration system for contamination using the proper test kit for the type of oil.

- If the oil shows signs of contamination or there was a restriction in the system, all of the oil must be removed and replaced. This can be accomplished by removing the compressor and flushing the entire system with nitrogen. Remove all the oil in the compressor, and in the accumulator. Measure all the old oil in a measuring cup and replace the exact amount you removed with the new oil. If necessary, a flushing agent can be used for cleanup.
- When brazing an R-290 system always purge nitrogen through the system 2 minutes before brazing and during the entire brazing process.
- Place a nitrogen charge in the system to check for any leaks. Use maximum 200 PSI (13.8 Bar).
- Release the nitrogen charge down to about 2 pounds of positive pressure (.1379 bar).
- Start pulling a vacuum as soon as possible to help remove any moisture from the system. Remember that any moisture that is absorbed by the POE oil cannot be removed and we must start the process over.
- Change vacuum pump oil regularly to ensure the deepest vacuum your pump is capable of.
- Using a micron gauge, pull the system down to hold a minimum of 500 microns (0.5 Torr).
- See if the system will hold this micron with the gauges closed and the pump switched off to test for leaks or moisture.
- Once the system is evacuated, weigh in the listed refrigerant charge located on the serial tag inside the cabinet. R-290 can be added as a liquid or vapor. Refrigerant 134a/404A charge as a liquid only. Refrigerant should be charged through the high side.
- Test run the unit and check for proper operation.

AFTER REPAIR IS COMPLETE ALL ACCESS FITTINGS MUST BE REMOVED.

PLEASE CALL TRUE TECHNICAL SERVICE WITH ANY QUESTIONS REGARDING THE ABOVE PRACTICES.

1 855 372 1368 WORLD HEADQUARTERS: O'FALLON, MISSOURI, USA SERVICE DEPARTMENT HOURS OF OPERATION:

service@truemfg.com

UK - Field's End Road, Goldthorpe, Nr. Rotherham South Yorkshire, S63 9EU +44 1709 888 080 8:30AM - 5:00PM M-F **GERMANY** - Hauptstr. 269 • 79650 Schopfheim +49 (0)7622 68830 8:00AM - 5:00PM M-F AUSTRALIA - 6B Phiney Place • Ingleburn, NSW 2565 +61 2 9618 9999 8:30AM - 5:00PM M-F MEXICO CITY - Eje 5 Sur "B" • Colonia Paseos de Churubusco C.P. 09040 • México, Distrito Federal +52 555 804 6343/6344 9:00AM - 5:30PM M-F

7:00-7:00 CST MONDAY-THURSDAY, 7:00-6:00 FRIDAY, 8:00-12:00 SATURDAYS

CHILE - Avenida Las Condes #7009 • Las Condes • Santiago, Chile C.P. 7560764 +**56 232 13 3600** 9:00AM – 5:30PM M-F