

OPERATORS MANUAL

This manual provides
Installation & Operating instructions for

40048 SERIES



NOTIFY CARRIER OF DAMAGE AT ONCE.

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

Manufacture Service/Questions 888-994-7636.



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Retain this manual for future reference.

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

Notice:Read the entire manual before installation.

Model Number
Serial Number
Installation Date

**Randell Manufacturing
Service and Parts
Hot Line
1-800-621-8560**

**Unit Specifications
For The
40048 Series**

MODEL	L	D	H	STYLE	STORAGE CUBIC FT.	SHELVES SQ. FT.	HP	VOLT	AMP	NEMA	SHIP WT.
40048AMCF	48"	25"	25"	DBL. SERVE	7	14	1/3	115/60/1	8.1	5-15P	370
40048SSAMCF	48"	25"	25"	SINGLE SERVE	7	14	1/3	115/60/1	8.1	5-15P	370
40048SSAMCF1	48"	25"	25"	SINGLE SERVE	7	14	1/3	115/60/1	8.1	5-15P	370
40048SSAMCF2	48"	25"	25"	SINGLE SERVE	7	14	1/3	115/60/1	8.1	5-15P	370

The serial number tag is located on the inside of the display case by the evaporator fan.

Warranty Policies

Parts Warranty

Randell warrants all component parts of manufactured new equipment to be free of defects in material or workmanship, and that the equipment meets or exceeds reasonable industry standards of performance for a period of one year from the date of shipment from any Randell factory, assembly plant or warehouse facility.

Note: Warranties are effective from date of shipment, with a thirty day window to allow for shipment, installation and set up. In the event equipment was shipped to a site other than the final installation site, Randell will warranty for a period of three months following installation, with proof of starting date, up to a maximum of eighteen months from date of purchase.

Component parts warranty does not cover glass breakage or gasket replacement. Randell covers all shipping cost related to component part warranty sent at regular ground rates (UPS, USPS). Freight or postage incurred for any express or specialty methods of shipping are the responsibility of the customer.

Labor Coverage

In the unlikely event a Randell manufactured unit fails due to defects in materials or workmanship within the first ninety days, Randell agrees to pay reasonable labor incurred. During the first ninety days work authorizations are not required for in warranty repairs. However, repair times are limited to certain flex rate schedules and hours will be deducted from service invoices if they exceed allowed times without prior approval and a work authorization number. Warranties are effective from date of shipment, with a 30 day window to allow for shipment, installation and setup.

Where equipment is shipped to any site other than final installation Randell will honor the labor warranty for a period of ninety days following installation with proof of starting date, up to a maximum of nine months from date of purchase. Travel time is limited to one hour each direction or two hours per invoice. Any travel time exceeding two hours will be the responsibility of the customer.

Note: Temperature adjustments are not covered under warranty, due to the wide range of ambient conditions

Five Year Extended Compressor Warranty

United States installations only:

Randell will pay for the replacement compressor only. Freight, labor, refrigerant, handling and all other miscellaneous charges are the responsibility of the customer. Randell will fulfill its warranty obligation by using one of the four methods provided below, which will be selected by the Randell in house service technician:

1. Provide reimbursement to servicing customer for the cost of the locally obtained replacement compressor in exchange for the return of the defective compressor returned to Randell freight prepaid. Randell does limit the amount of reimbursement allowed and does require a copy of the local supply house bill for replacement compressor.

Customer should not pay servicing agent up front for compressor.

2. Provide repair at the manufacturing facility by requiring that the defective unit be sent back to Randell freight prepaid. Perform repair at the expense of Randell and ship the item back to job location freight Collect.
3. Furnish a replacement compressor freight Collect in exchange for the return of the defective compressor sent back freight prepaid.
4. Furnish complete condensing unit or replacement package freight Collect in exchange for the return of the defective compressor sent back freight prepaid. (decisions based on whether or not to send complete condensing unit will be made by Randell in-house service technician).

Export Warranty

Our export warranties will cover all non electrical parts for the period of one year from the date of shipment to be free of defects in material or workmanship. Electrical parts are also covered if ordered and operated on 60 Hz. Electrical components, ordered and operated on 50 Hz, are warranted for the first 90 days from shipment only. Service labor is covered for the first 90 days with authorization from factory prior to service. Warranty is automatically initiated 60 days from ship date. Inbound costs on any factory supplied items would be the responsibility of the customer. Adherence to recommended equipment maintenance procedures, according to the owners manual provided with each unit, is required for this warranty to remain in effect, and can have a substantial effect on extending the service life of your equipment. Equipment abuse voids any warranty. Extended warranties are not available for parts, labor or compressors on units shipped outside the United States.

Freight Damage

Any and all freight damage that occurs to a Randell piece of equipment as a result of carrier handling is not considered warranty, and is not covered under warranty guidelines. Any freight damage incurred during shipping needs to have a freight claim filed by the receiver with the shipping carrier (note all damages on freight bill at time of delivery). Internal or concealed damage may fall under Randell's responsibility dependent upon the circumstances surrounding each specific incident and are at the discretion of the Randell in-house service technician.

Gasket Coverage

Randell does not cover gaskets under warranty. Gaskets are a maintenance type component that are subject to daily wear and tear and are the responsibility of the owner of the equipment. Because of the unlimited number of customer related circumstances that can cause gasket failure all gasket replacement issues are considered non-warranty. Randell recommends thorough cleaning of gaskets on a weekly basis with a mild dish soap and warm water. With proper care Randell gaskets can last up to two years, at which time we recommend replacement of all gaskets on the equipment for the best possible performance.

NOTICE: FOOD LOSS IS NOT COVERED UNDER WARRANTY

Unit Installation

A. Receiving Shipment

Examine the exterior of the shipping crate for signs of abuse. Partially remove the crate and examine the cabinet for any possible concealed damages. If no damages are evident replace the crate. If the unit is damaged note on the delivery slip or bill of lading and signed to that effect. A claim must be filed immediately against the carrier indicating the extent and estimated cost of damage occurred.

B. Locating Your New Unit

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

1. Floor and Countertop load - The area on which the unit will rest must be free of vibration and strong enough to support the weight of the unit plus the maximum product load.
2. Clearance - There must be sufficient clearance on all sides of the unit to allow for efficient airflow.
3. Ventilation - The air cooled self contained unit requires a sufficient amount of cool clean air. Avoid placing the unit near heat generating equipment such as ovens, ranges, heaters, fryers, steam kettles, etc. and out of direct sunlight. Avoid locating the make table in an unheated room or where the room temperature may drop below 13°C or above 32°C.

C. Electrical Supply

A properly wired and grounded outlet is required to assure proper operation. Please consult the data plate on the compressor for correct electrical requirements. Supply voltage and amperage requirements are located on the model and serial number tag.

Unit Operation

This unit operates with an electronic control which is factory set for optimal performance and then locked so no adjustments are necessary. The numerical led display indicates the air temperature in the cabinet. If the control senses an abnormality it will begin to display an error message which in some cases will alternate with the temperature display. the error message "HA" (High Alarm) denotes that the temperature in the refrigerator has been too high for too long. This condition could be caused by an open door, dirty coils, or a refrigeration system problem. As soon as the temperature is back within the limits this alarm will end. The following table lists the possible error codes and the suggested actions:

Preventive Maintenance

Randell suggests a preventive maintenance program which would include the following:

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

Note: Brush coil in direction of fins.

2. Clean fan blades.
3. Lubricate door hinges with lithium grease.
4. Clean and disinfect drain lines and evaporator pan with a solution of warm water and bleach.
5. Clean gaskets on a weekly basis with a solution of warm water and a mild detergent to extend gasket life.

NOTE: DO NOT USE SHARP UTENSILS WHILE CLEANING EQUIPMENT.

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

1. Cleaning condenser coil.

An accumulation of dirt and dust prevents the condenser coil from removing heat, making your unit cool poorly, run constantly, or even stop completely if the compressor overheats. Clean coil using a vacuum cleaner with a wand attachment. If the coil is greasy, wash it with warm soapy water and a bristle brush, taking care not to drip water on other parts of your unit.

2. Cleaning drain and drain pan.

Clean the drain using an oven baster to force a solution of hot water and baking soda or bleach into the opening. To clear a stubborn clog, insert a length of ¼" round plastic tubing into the drain and push it through to the drain pan, then pull it out. Wash the pan regularly with a solution of warm water and baking soda.

**EASY TO FOLLOW
TROUBLE SHOOTING CHART
WITH
ILLUSTRATIONS**

SYMPTOM	POSSIBLE CAUSE	PROCEDURE
UNIT DOESN'T RUN	1. NO POWER TO UNIT.	1. PLUG IN UNIT.
	2. TEMPERATURE CONTROL TURNED OFF.	2. CHECK TEMPERATURE CONTROL.
	3. TEMPERATURE CONTROL FAULTY.	3. TEST TEMPERATURE CONTROL.
	4. COMPRESSOR OVERHEATED.	4. CLEAN CONDENSER COIL.
	5. CONDENSER FAN FAULTY.	5. SERVICE CONDENSER FAN MOTOR.
	6. OVERLOAD PROTECTOR FAULTY.	6. TEST OVERLOAD.
	7. COMPRESSOR RELAY FAULTY.	7. TEST RELAY.
	8. COMPRESSOR FAULTY.	8. CALL FOR SERVICE AT 1-800-621-8560.
UNIT SHORT CYCLES	1. CONDENSER COIL DIRTY.	1. CLEAN COIL.
	2. CONDENSER FAN FAULTY.	2. SERVICE FAN AND MOTOR.
	3. COMPRESSOR FAULTY.	3. CALL FOR SERVICE AT 1-800-621-8560.
	4. OVERLOAD REPEATEDLY TRIPPING.	4. CHECK OUTLET VOLTAGE.
UNIT RUNS CONSTANTLY	1. FROST BUILD UP.	1. DEFROST EVAPORATOR.
	2. DOOR NOT SEALING PROPERLY.	2. CHECK DOOR.
	3. DOOR GASKET DAMAGED.	3. REPLACE GASKET.
	4. CONDENSER COIL DIRTY.	4. CLEAN COIL.
	5. CONDENSER FAN FAULTY.	5. SERVICE CONDENSER MOTOR.
UNIT NOT COLD ENOUGH	1. TEMPERATURE CONTROL SET TOO HIGH.	1. LOWER SETTING.
	2. TEMPERATURE CONTROL FAULTY.	2. TEST CONTROL.
	3. CONDENSER COIL DIRTY.	3. CLEAN COIL.
	4. DOOR NOT SEALING PROPERLY.	4. CHECK DOOR.
	5. DOOR GASKET DAMAGED.	5. REPLACE DOOR GASKET.
	6. EVAPORATOR FAN FAULTY.	6. SERVICE EVAPORATOR FAN.
	7. EVAPORATOR ICED UP.	7. CHECK DOOR.
	8. REFRIGERANT LEAKING OR CONTAMINATED.	8. CALL FOR SERVICE AT 1-800-621-8560.
UNIT TOO COLD	1. TEMPERATURE CONTROL SET TOO LOW.	1. ADJUST CONTROL.
	2. TEMPERATURE CONTROL FAULTY.	2. TEST CONTROL.
MOISTURE AROUND DOOR OR FRAME.	1. BREAKER STRIPS FAULTY.	1. INSPECT STRIPS.
	2. TEMPERATURE SET TOO LOW	2. RAISE SETTING.
ICE IN DRAIN PAN OR WATER IN BOTTOM OF UNIT OR FLOOR	1. DRAIN TUBE CLOGGED.	1. CLEAN DRAIN.
	2. UNIT NOT LEVEL	2. ADJUST LEVELING FEET.
UNIT NOISY	1. UNIT NOT LEVEL	1. ADJUST LEVELING FEET.
	2. COMPRESSOR MOUNTINGS LOOSE OR HARDENED.	2. TIGHTEN OR REPLACE COMPRESSOR MOUNTINGS.
	3. CONDENSER FAN DAMAGED OR FITTING FAN SHROUD.	3. INSPECT CONDENSER FAN.
	4. EVAPORATOR FAN DAMAGED OR HITTING FAN SHROUD.	4. INSPECT EVAPORATOR FAN.
	5. MECHANICAL COMPARTMENT LOUVER RATTLING.	5. BEND OR ALIGN TABS TO REDUCE NOISE. REPLACE IF NECESSARY

PARTS LIST
FOR
40048A SERIES

40048A & 40048SSA

ITEM	DESCRIPTION	PART NUMBER	ITEM	DESCRIPTION	PART NUMBER
			26	COVER, COIL	RP-CVR0133
1	GLASS RETAINER FRAME	HD TRK3563	27	BLADE, FAN 5.562" DIA	RF FAN005
2	GLASS PANEL, SOLID	HD GLS134	28	MOTOR, UPPOD 57 120V CCW FAN	EL MTR057
3	TRACK,JAMBS 19.5"/HD TRK3563	HD TRK3563-2	29	BRACKET, MOTOR COMMON	RP-BRK1050
4	FAN PL GUARD, 6.75 DIA	RF FAN010	30	COIL, 4X6X13.75"	RF COI120A
5	FAN SHROUD, VENTED 10.5X10.5	RP-GRD002	31	REFRIGERATION PACKAGE	RP-4047002
6	CORD16-3 PWR 10'	EL WIR461-90	32	BOX, JUNCTION REF	RP-BOX0101
7	SIDE,COMP END S/S	RP-SID0102	33	CONTROL, REFRIGATION	HD CNT200
8	LOUVER,22.5X8.5	RP-LVR649	34	DRYER, DBUNLET 0505 R134	RF FLT9902
9	COVER, BALLAST 9X2.75X1.5	RP-CVR0139	35	TUBING, .050X.125 CAP 132"	RP-CAP007
10	BALLAST,120V60H	EL BLS100	36	COMPRESSER,1/3	RF CMP020-134
11	SHELVES, WHT	HD SHL011	37	MOTOR, MORRIL SPB 951	EL MTR302R22
12	GASKET,WIPER GRWV 16.75 HIGHXREDOOR	N GSK800	38	BLADE, 8" FAN	RF FAN008
13	GASKET, BUMPER RH GRAY VINYL	N GSK801	39	COIL, 2X7X10"	RF COI006
13A	GASKET, BUMPER LH GRAY VINYL	N GSK802	40	ACCUMULATOR	RF ACM005
14	DOOR ONLY LEFT 18.25X17.125	RP-6720062			
15	DOOR ONLY RIGHT 18.25X17.125	RP-6720061			
16	FRAME,19.5X34.5 GLS DOOR (1) 4	HD FRM010			
17	SPRING, DOOR CLOSURE, 13"	HD SPR036			
18	BEARINGS,DOOR	HD BRC50P			
19	TOP, S/S 24.5X48X2	RP-TOP4048			
20	LAMP, FLUOR. #187BCWK30	EL TVB018			
21	SHEILD, 36" PLASTIC LIGHT	EL SHD018			
22	LIGHT FIXTURE	RP-LGT0001			
23	THERMOMETER, HANGING	HD THR100			
24	SOCKET, BULB 660W	EL LGT414			
25	SIDE, END OPP COMPRESSER	RP-SID0101			

Associated Files:

Miscellaneous Add-ons

FILE NUMBER
T35-2000A
T35-2000B

FILE NUMBER



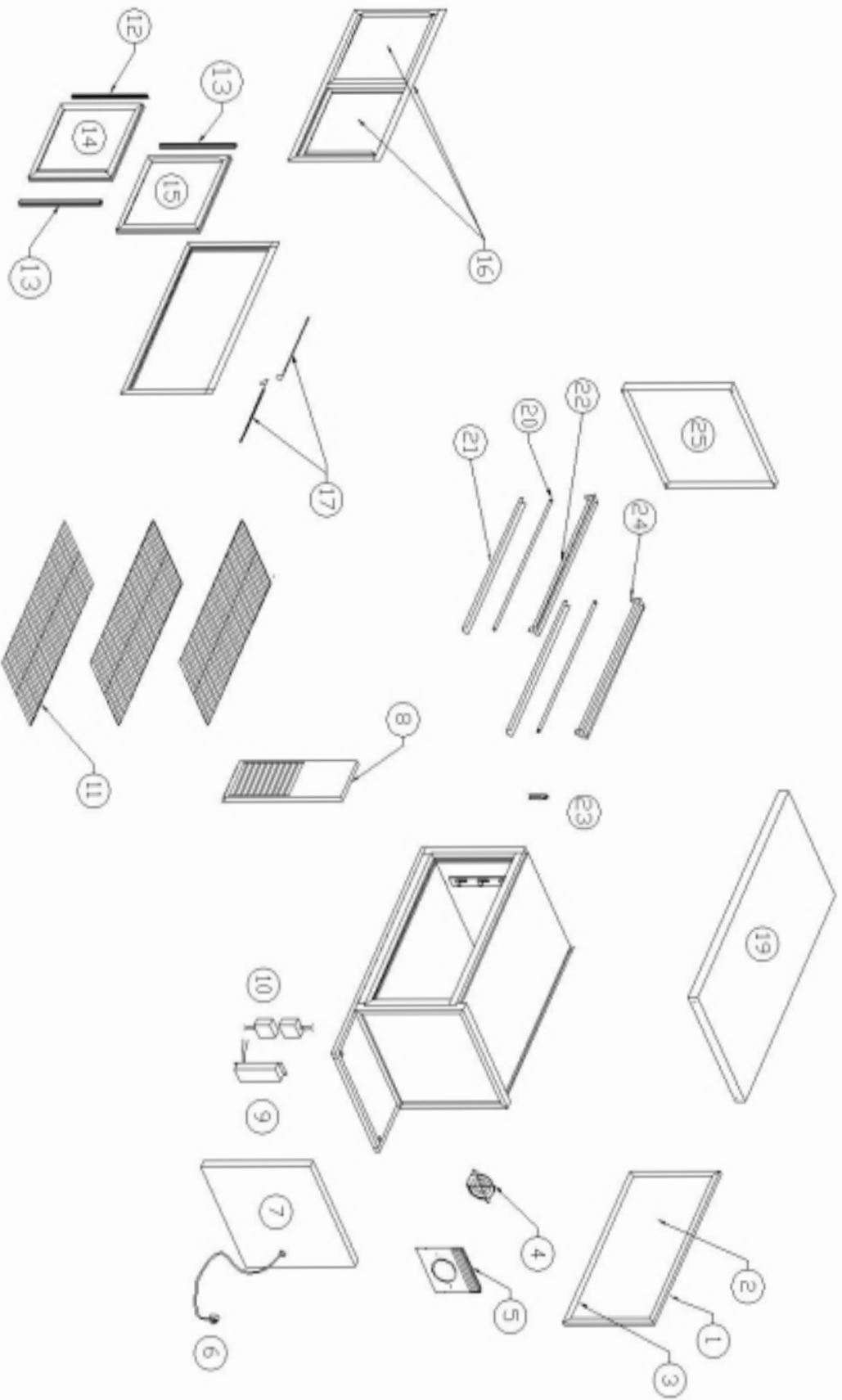
Date:
03/28/01


Revision
A

Date - XX:
03/28/01 - CC

T35-2000

40048A
40048SSA



Associated Files:		Miscellaneous Add-ons			Date:	Revision	Date - XXI
FILE NUMBER T35-2000B		FILE NUMBER			04/02/01	A	04/02/01
					T35-2000A		