
HABCO®

***Commercial Froze Space Merchandiser
& Holding Freezer***
SAFETY, INSTALLATION AND INSTRUCTION MANUAL



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HABCO® COMMERCIAL HOLDING FREEZERS SAFETY, INSTALLATION AND INSTRUCTION MANUAL

MODELS: SF28, SF24SX, SF28M SF28SX, SF46SX, SF46M



HABCO Management Systems are Certified to ISO 9001-2008.

LANGUAGE: Translation of this document is completed with the utmost care, utilizing the resources of an ISO 9001 Certified Translation firm. In rare instances where translation is imperfect or imprecise, the parent English document will take precedence.

⚠ WARNING

IMPROPER OR UNSAFE use of this appliance other than intended by the manufacturer, can result in death, serious bodily injury, property damage and/or appliance damage!

This manual contains important information about product safety. Read and understand this manual BEFORE operating the appliance. Please keep this manual available for other users and owners before they use the appliance. Store this manual in a secure location.

INTENDED USE

HABCO® Commercial Freezers are designed for the commercial frozen holding storage, merchandising and display. Not intended for flash freezing of non-frozen products. Not intended for use in outdoor, direct sun, damp, extreme heat and/or cold conditions.

MEANINGS OF SIGNAL WORDS AND SYMBOLS

- ⚠ WARNING** indicates potentially hazardous situations which, if ignored, could result in death or serious injury.
- ⚠ WARNING** indicates potentially hazardous situations which, if not avoided, may result in minor or moderate injury.
- ! NOTICE** emphasizes essential information or that which may cause appliance damage or environmental harm.

Table of Contents

Section	Subject	Page
	INFORMATION AND TABLE OF CONTENTS	2
	SAFETY.....	3
A.	INSPECTION & UNPACKING	4
B.	CASTER KIT INSTALLATION (Optional).....	4
C.	LOCATION	4
D.	ELECTRICAL.....	4
E.	START-UP	5
F.	DIGITAL CONTROLLER.....	5
G.	LIGHTING.....	6
H.	DOORS.....	6
I.	PREVENTATIVE MAINTENANCE	7
J.	CLEANING PROCEDURES	8
K.	TROUBLE-SHOOTING	9

Glossary

Term	Explanation/Alternate Term
Commercial Freezer.....	Appliance
Froze Space Merchandiser™.....	HABCO® Freezer Merchandiser
Compressor.....	Refrigerant Compressing Motor Mounted in Base of Holding Freezer
Condensate.....	Moisture extracted from air, introduced into cabinet at location, and transformed into water by cooling
Condensing Chamber.....	Compressor and Condenser Coil Enclosure at Base of Cabinet
Dedicated Power Supply.....	Wall receptacle is wired directly to breaker, with respective power supply for model, with nothing else being powered by same circuit
Digital Controller.....	Thermostat which controls refrigeration on/off cycle and defrost cycle while monitoring diagnostics and trouble alarms
Evaporator (Coil).....	Cooling Coil to Ceiling of Cabinet Interior
Evaporator Housing.....	Cooling Coil Enclosure Surrounding Evaporator Coil, Mounted to Ceiling of Cabinet Interior
Free&Clear™ Condenser (Coil).....	Circular Formed Heat Exchange Coil Mounted in Base of Cabinet
LED Lighting.....	Light Emitting Diode Lighting system is long-lasting and energy efficient
Lint-Tolerant Condenser (Coil).....	Heat-Exchange Coil Mounted at Front Base of Cabinet
Mechanically Fastened Areas.....	Areas Requiring a Tool to Access
Owner.....	Person or Company Holding Legal Title to Appliance
Product Temperature.....	Temperature of product within the appliance is average of high and low temperatures displayed on digital readout
Return Air Temperature.....	Temperature used by refrigeration system to maintain an average product temperature
Roller Panel Cover.....	Upper Front Metal Panel on Sliding Door
Set-Point.....	Lowest temperature setting at which the refrigeration system shuts-off is displayed by pressing the SET button on Digital Controller
Stabilized Temperatures.....	Temperature of product and/or return air after appliance has either stabilized product to desired temperature, or cabinet return
Trained Professional.....	Trained Refrigeration and/or Electrical Contractor



SAFETY - IMPORTANT! READ AND UNDERSTAND THIS INFORMATION FIRST
SERVICE AND MAINTENANCE MUST BE PERFORMED BY TRAINED PROFESSIONAL



WARNING

RISK OF DEATH, FIRE, EXPLOSION, ELECTRICAL SHOCK AND/OR OTHER PERSONAL INJURY!

- PLUG INTO A DEDICATED THREE-PRONG GROUNDED WALL RECEPTACLE. FREEZERS REQUIRE DEDICATED 15AMP POWER SUPPLY. IF IN DOUBT, EMPLOY A CERTIFIED ELECTRICIAN TO CONFIRM YOUR POWER SUPPLY MEETS CRITERIA.
- INSPECT POWER CORD FOR ANY DAMAGE PRIOR TO POWERING. DO NOT PLUG THIS APPLIANCE INTO WALL RECEPTACLE IF POWER CORD IS DAMAGED.
- DO NOT ALTER, IMPACT OR PLACE PRESSURE ON POWER CORD. ALLOW ADEQUATE SPACE FOR POWER CORD TO FLOAT FREELY BETWEEN CABINET AND WALL AND DO NOT STRAIN AND/OR STRETCH POWER CORD TO REACH ELECTRICAL RECEPTACLE.
- DO NOT USE EXTENSION CORDS, POWER BARS, AND/OR ADAPTERS TO POWER THIS APPLIANCE.
- DO NOT ACCESS MECHANICALLY FASTENED AREAS WITHOUT PERMISSION OF OWNER AND READING AND UNDERSTANDING PRODUCT MANUAL.
- DISCONNECT POWER BEFORE ACCESSING MECHANICALLY FASTENED AREAS.
- MAINTENANCE AND REPLACEMENT OF LED LIGHT STRIPS AND RELATED DRIVER COMPONENTS TO BE PERFORMED BY A QUALIFIED TECHNICIAN.
- DO NOT INSTALL OUTDOORS, IN DIRECT SUN, DAMP, EXTREME HEAT AND/OR COLD CONDITIONS.
- DO NOT INSTALL APPLIANCE WHERE STORAGE, HANDLING AND/OR DISPENSING FLAMMABLE AND/OR EXPLOSIVE MATERIALS OCCUR.
- WHEN STORING APPLIANCE, BLOCK DOOR SLIGHTLY AJAR, BUT SECURE TO AVOID ACCIDENTAL ENTRAPMENT.
- WHEN DISPOSING OF APPLIANCE, REMOVE DOORS TO AVOID ACCIDENTAL ENTRAPMENT AND POTENTIAL OF SUFFOCATION.
- KEEP PLASTIC PACKAGING MATERIAL AWAY FROM CHILDREN AND ANIMALS, AND DISPOSE SAFE AND SECURE.



WARNING

POTENTIAL RISK OF PERSONAL INJURY!

- EMPLOY BEST HEALTH AND SAFETY LIFTING PRACTICES WHEN REMOVING SHIPPING PLATFORM(S); LEVELING CABINET; REVERSING DOORS; AND MOVING APPLIANCE. IF IN DOUBT, ASK FOR HELP.
- EMPLOY BEST HEALTH AND SAFETY PERSONAL PROTECTION PRACTICES AND ADHERE TO MANUFACTURER'S WARNINGS WHEN USING TOOLS AND CLEANING AGENTS.
- DO NOT CLIMB AND/OR HANG ON CABINET, SHELVING AND/OR DOORS.
- USE CARE WHEN HANDLING OR CLEANING METAL PARTS.



NOTICE

ESSENTIAL INFORMATION, OR THAT WHICH MAY CAUSE APPLIANCE DAMAGE OR ENVIRONMENTAL HARM!

- **HABCO® FREEZERS ARE DESIGNED AND MANUFACTURED AS HOLDING FREEZERS. USE OF THIS FREEZER FOR PURPOSES OTHER THAN MAINTAINING PRE-FROZEN PRODUCT WILL VOID WARRANTY.**
- DO NOT BLOCK EXTERIOR, LOWER FRONT GRILL. FAILURE TO COMPLY MAY RESULT IN RESTRICTED AIR CIRCULATION, SUBSTANTIALLY REDUCED COOLING PERFORMANCE, DAMAGE TO REFRIGERATION COMPONENTS, AND/OR SPOILED PRODUCT.
- DO NOT LOCATE APPLIANCE IN DIRECT SUNLIGHT OR IN CLOSE PROXIMITY TO HIGH HEAT SUCH AS FRYERS, RANGES, AND/OR HEATING DUCTS.
- USE ONLY MILD ANTI-BACTERIAL, NON-ABRASIVE 'DISH SOAP' DETERGENT, AND SOFT CLOTH (OR BRISTLE BRUSHES WHERE SPECIFIED) FOR CLEANING YOUR APPLIANCE. FOR STUBBORN RESIDUE, SUCH AS GREASE BUILD-UP ON CONDENSER (HEAT-EXCHANGE) COIL, EMPLOY THE SERVICES OF A QUALIFIED PROFESSIONAL.
- CABINET MUST BE LEVELED FRONT TO BACK AND SIDE TO SIDE TO ENSURE OPTIMUM PERFORMANCE AND UTILITY.
- MAINTAIN A CLEAN CONDENSER COIL (BOX-SHAPED COMPONENT LOCATED BEHIND THE LOWER GRILL) TO PREVENT DAMAGE TO REFRIGERATION PARTS AND POOR PERFORMANCE NOT COVERED UNDER WARRANTY. QUALIFIED PROFESSIONAL TO DISCONNECT POWER BEFORE ACCESSING MECHANICALLY FASTENED AREAS.
- DO NOT LOAD APPLIANCE ABOVE LOAD LEVEL LINE INDICATOR LOCATED ON LEFT INTERIOR WALL. DO NOT LOAD PRODUCT OUTSIDE PERIMETER OF SHELVES.
- ADJUSTMENTS MADE TO THE DIGITAL CONTROLLER, NOT OUTLINED WITHIN THIS MANUAL, WILL VOID HABCO® LIMITED WARRANTY AND MAY CAUSE PRODUCT LOSS. ALTERATIONS OF FACTORY PRESET POSITION ARE NOT COVERED UNDER WARRANTY.
- ENSURE THAT APPLIANCE, REFRIGERANT AND/OR COMPONENTS ARE DISPOSED OF IN A MANNER IN KEEPING WITH LOCAL AND FEDERAL REGULATIONS.
- APPLIANCE MUST BE RUN FOR A PERIOD OF 24 HOURS PRIOR TO USE.
- AFTER ACCESSING REFRIGERATION OR ANY OTHER MECHANICALLY FASTENED AREAS OF THE APPLIANCE, REFASTEN SECURELY.
- DO NOT STORE OUTDOORS, IN DIRECT SUN, DAMP, EXTREME HEAT AND/OR COLD CONDITIONS.
- DOOR REVERSALS COMPLETED AT FACTORY OR BY HABCO® ARE WARRANTED. ANY ISSUES AND SUBSEQUENT SOLUTIONS ARISING FROM CUSTOMER REVERSED DOORS ARE THE RESPONSIBILITY OF THE END-USER. DOOR ADJUSTMENTS ARE NOT COVERED UNDER WARRANTY. INSPECT DOOR HARDWARE FOR WEAR WHEN REVERSING OR SERVICING.

ECONOMIC AND/OR PRODUCT LOSS OR SPOILAGE IS NOT COVERED BY HABCO® COMMERCIAL LIMITED WARRANTY.

FAILURE TO COMPLY WITH THE INFORMATION OUTLINED ON THIS AND THE FOLLOWING SHEETS WILL VOID
HABCO® COMMERCIAL LIMITED WARRANTY.

HABCO® Commercial Freezers are designed and engineered to the highest standards using only quality components for years of reliable service. Any use of the product for purposes other than which it was designed, will void any and all manufacturer's warranty, stated or implied.

A. INSPECTION & UNPACKING

1. A thorough inspection of the appliance should be made prior to formally receiving the goods from the carrier. If there are any markings (ie. scuffs, dents, scratches) of the packaging, please note this on the carrier's delivery slip. Common practice will have the carrier report your concerns before leaving the premises.
2. Once the appliance has been received, remove stretch-wrap, corners protectors and bag.

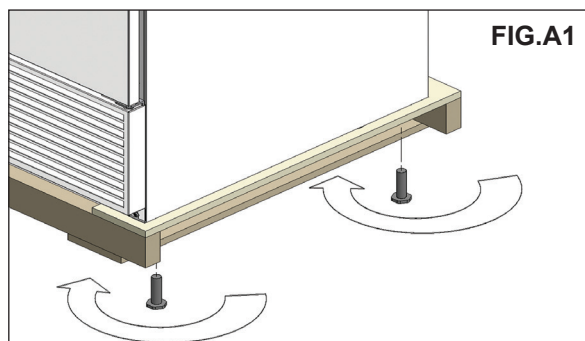
⚠ WARNING: RISK OF SUFFOCATION! KEEP PLASTIC PACKAGING MATERIAL AWAY FROM CHILDREN AND ANIMALS, AND DISPOSE SAFE AND SECURE.

3. Shipping Platform Removal:

⚠ WARNING: RISK OF PERSONAL INJURY! EMPLOY BEST HEALTH AND SAFETY LIFTING PRACTICES WHEN REMOVING SHIPPING PLATFORM(S); LEVELING CABINET; REVERSING DOORS; AND MOVING APPLIANCE. IF IN DOUBT, ASK FOR HELP.

Shipping Pallet - Commercial Refrigeration

4. HABCO® Commercial Freezers are shipped on pallets. Pallets are fastened with the freezers leg levelers. Insets on each side of skid are provided to allow easy access for 1-3/8" wrench or socket to remove the levelers and skid respectively (FIG.A1). Once pallet is removed, do not reinstall leveller legs and follow caster kit installation below.



B. CASTER KIT INSTALLATION - OPTIONAL

HABCO® Commercial Freezers may be equipped with a caster kit. To install caster kit, follow these procedures:

1. Install non-braking casters at rear of the freezer by threading into existing leg leveler hole.
2. Install braking casters at front of the freezer by threading into existing leg leveler hole. WHEN ROLLING FREEZER INTO POSITION, ENSURE THE FRONT CASTERS EXTEND OUTWARD FROM THE CABINET FACE.

C. LOCATION

1. Position Freezer on level floor. Freezer MUST be level, otherwise door(s) may not close and condensate may not drain property.

2. Allow 5cm (2") clearance at rear of Freezer for adequate air circulation.

⚠ WARNING: RISK OF FIRE, AND ELECTROCUTION!

DO NOT ALTER, IMPACT OR PLACE PRESSURE ON POWER CORD. ALLOW ADEQUATE SPACE FOR POWER CORD TO FLOAT FREELY BETWEEN CABINET AND WALL AND DO NOT STRAIN AND/OR STRETCH POWER CORD TO REACH ELECTRICAL RECEPTACLE.

DO NOT INSTALL OUTDOORS AND/OR IN DAMP CONDITIONS.

DO NOT INSTALL APPLIANCE WHERE STORAGE, HANDLING AND/OR DISPENSING FLAMMABLE AND/OR EXPLOSIVE MATERIALS OCCUR.

3. Freezer must be positioned with front grill unobstructed. Failure to provide adequate air circulation to the grill will harm the refrigeration system and potentially void warranty.
4. Ensure that heating ducts, radiators, electrical elements and the like are not positioned near the refrigeration located in the bottom of cabinet. Position away from high heat areas (such as fryers and ranges). Do not locate in direct sun.

! NOTICE: RISK OF APPLIANCE DAMAGE!

DO NOT OBSTRUCT AIR-RETURN GRILLS LOCATED INSIDE CABINET NEAR THE LOWER LEFT AND RIGHT OF THE REAR AIR DISTRIBUTION PANEL. DO NOT BLOCK EXTERIOR, LOWER FRONT GRILL. FAILURE TO COMPLY MAY RESULT IN RESTRICTED AIR CIRCULATION, SUBSTANTIALLY REDUCED COOLING PERFORMANCE AND DAMAGE TO REFRIGERATION COMPONENTS AND VOID WARRANTY.

DO NOT LOCATE APPLIANCE IN CLOSE PROXIMITY TO HIGH HEAT SUCH AS FRYERS, RANGES, AND/OR HEATING DUCTS.

DO NOT INSTALL OUTDOORS, IN DIRECT SUN, DAMP, EXTREME HEAT AND/OR COLD CONDITIONS.

D. ELECTRICAL

⚠ WARNING: RISK OF DEATH, FIRE, EXPLOSION, ELECTRICAL SHOCK AND/OR OTHER PERSONAL INJURY!

PLUG INTO A DEDICATED THREE-PRONG GROUNDED WALL RECEPTACLE. SINGLE DOOR FREEZERS REQUIRE DEDICATED 15AMP POWER SUPPLY, AND DOUBLE DOOR FREEZERS REQUIRE DEDICATED 20AMP DEDICATED POWER SUPPLY. IF IN DOUBT, EMPLOY A CERTIFIED ELECTRICIAN TO CONFIRM YOUR POWER SUPPLY MEETS CRITERIA .

DO NOT USE EXTENSION CORDS, POWER BARS, AND/OR ADAPTERS TO POWER THIS APPLIANCE.

DO NOT ALTER, IMPACT OR PLACE PRESSURE ON POWER CORD. ALLOW ADEQUATE SPACE FOR POWER CORD TO FLOAT FREELY BETWEEN CABINET AND WALL AND DO NOT STRAIN AND/OR STRETCH POWER CORD TO REACH ELECTRICAL RECEPTACLE.

INSPECT POWER CORD FOR ANY DAMAGE PRIOR TO POWERING. DO NOT PLUG THIS APPLIANCE INTO WALL RECEPTACLE IF POWER CORD IS DAMAGED.

DO NOT ACCESS MECHANICALLY FASTENED AREAS WITHOUT PERMISSION OF OWNER AND READING AND UNDERSTANDING PRODUCT MANUAL.

DISCONNECT POWER BEFORE ACCESSING MECHANICALLY FASTENED AREAS.

1. Check that the power supply conforms to the data plate located on the upper left interior wall of the cabinet.

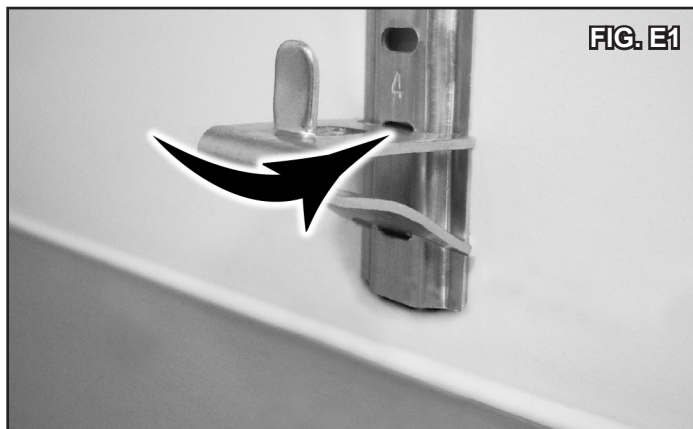
E. START-UP

! NOTICE: NO PACKAGING MATERIAL IS LOCATED IN CONDENSING CHAMBER! DO NOT REMOVE LOWER AIR FLOW GRILL WITHOUT READING AND UNDERSTANDING THIS MANUAL.

DO NOT LOAD APPLIANCE ABOVE LOAD LEVEL LINE INDICATED ON LEFT INTERIOR WALL. DO NOT LOAD PRODUCT OUTSIDE PERIMETER OF SHELVES.

DO NOT BLOCK EXTERIOR, LOWER FRONT GRILL. FAILURE TO COMPLY MAY RESULT IN RESTRICTED AIR CIRCULATION, SUBSTANTIALLY REDUCED COOLING PERFORMANCE, DAMAGE TO REFRIGERATION COMPONENTS, AND/OR SPOILED PRODUCT.

1. Ensure that you have received pieces supplied within freezer.
 - Corresponding number of shelves standard with your freezer
 - Corresponding number of shelf clips (four per shelf)
 - Safety, Installation and Instruction Manual
 - Door Handle with mounting screws (where applicable)
2. Install Door Handle (where applicable). Remove screws from handle supplied. Locate interior door frame mounting holes beneath the rubber gasket flap, and insert the screws outward so that the screw-ends protrude on the outside of the door frame. Insert handle positioning pins in upper and lower holes, and fasten screws to handle.
3. Install shelving in the desired location. Shelf clips adjustable in 1/2" increments.
4. Install shelving in the desired location (Fig E1), top tab first, then snapping bottom tab securely into shelf pilaster. Shelf clips adjustable in 1/2" increments.



5. POWER UP FREEZER by plugging into wall receptacle.
 - i. **Double Door Freezer** models are equipped with a refrigeration-compressor motor-only interrupt switch. It is set to off position from factory. Turn compressor ON.
6. Allow Freezer to run empty for a 24 hour period to ensure proper operation.

NOTE: OBSERVE LOAD LIMIT NOTED ON LEFT HAND INTERIOR WALL FOR OPTIMUM EFFICIENCY. LOADING ABOVE THE LOAD LEVEL LINE IS NOT RECOMMENDED. A WIRE BACK-STOP IS INSTALLED ON INTERIOR REAR WALL OF FREEZER TO ENSURE ADEQUATE AIR CIRCULATION. DO NOT BLOCK AIR FLOW BEHIND WIRE BACK-STOP. FAILURE TO COMPLY WILL RESULT IN RESTRICTED AIR CIRCULATION, SUBSTANTIALLY REDUCED COOLING PERFORMANCE AND VOID WARRANTY.

F. DIGITAL CONTROLLER ADJUSTMENT

! NOTICE: RISK OF APPLIANCE DAMAGE AND SPOilage! ADJUSTMENTS MADE TO THE DIGITAL CONTROLLER, NOT OUTLINED WITHIN THIS USER GUIDE, WILL VOID HABCO® LIMITED WARRANTY.

All HABCO® Commercial Freezers are preset at the factory to maintain -23°C (-10°F) to -17.5°C (0°F). HABCO® Commercial Freezers are equipped with an advanced digital controller allowing precision cooling and outstanding energy efficiency.

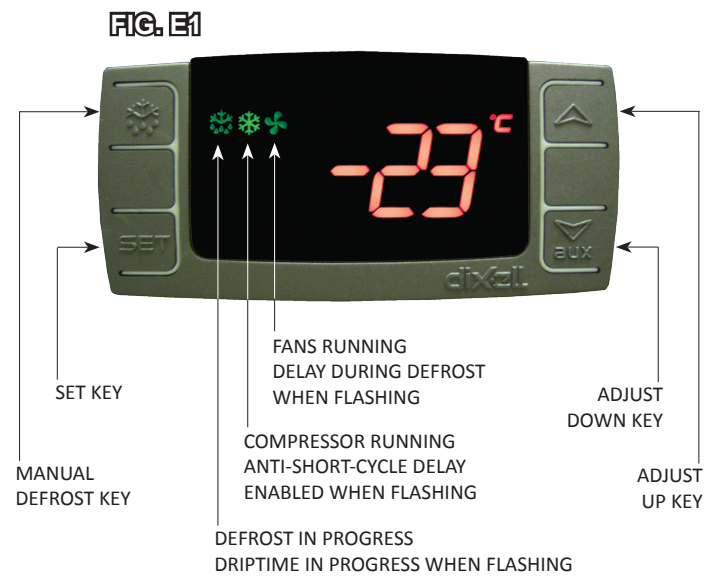


FIG.E2 - CHART - DETAIL DIGITAL CONTROLLER	
1. READING THE CONTROLLER TEMPERATURE	The temperature of the return air temperature is displayed on the controller in degrees Celsius. Product temperature will be average between the lowest and highest temperature displayed when unit is stabilized.
2. HOW TO CHANGE HOLDING TEMPERATURE OF YOUR CABINET	<ol style="list-style-type: none"> a. Press and hold the SET key for more than two seconds - CURRENT TEMPERATURE SETTING WILL APPEAR AND °C WILL FLASH; b. Press the UP or DOWN arrow keys to change the temperature setting within 10 seconds; c. Press the SET key to enable new setting.
3. WHAT TO DO IF THE ALARM SOUNDS	<ol style="list-style-type: none"> a. Leave Door(s) Closed; b. Press any key on controller face to disable the alarm; c. Check temperature to prevent spoilage; d. Contact HABCO® and advise Serial Number (located on upper left interior wall); Alarm Code displayed on Controller face (FIG.E3); and, full contact information with phone number.

FIG. E3 Back-up Operation During Alarm Condition		
Message	Cause	/ What to Do?
P1	Cabinet Probe Failure	Compressor Operates on Timer Instead of Using Room Temperature Reading / See Chart "FIG.E2.3"
P2	Evaporator Probe Failure	Defrost Period is Timed Instead of Using Evaporator Temperature / See Chart "FIG. E2.3"
HA	Maximum Temperature Alarm	Controller Operates as Normal Until Alarm Condition is Resolved / See Chart "FIG. E2.3"
LA	Minimum Temperature Alarm	Controller Operates as Normal Until Alarm Condition is Resolved / See Chart "FIG. E2.3"

G. LIGHTING

WARNING: RISK OF DEATH, FIRE, EXPLOSION, ELECTRICAL SHOCK AND/OR OTHER PERSONAL INJURY!

DO NOT ACCESS MECHANICALLY FASTENED AREAS WITHOUT PERMISSION OF OWNER AND READING AND UNDERSTANDING PRODUCT MANUAL.

DISCONNECT POWER BEFORE ACCESSING MECHANICALLY FASTENED AREAS.

MAINTENANCE AND REPLACEMENT OF LED LIGHT STRIPS AND RELATED DRIVER COMPONENTS TO BE PERFORMED BY A QUALIFIED TECHNICIAN ONLY.

1. Light switch position is described, "as you face the appliance". SF28 models' Light Switch is located on the right front face of the horizontal lighting assembly; and SF46M is located on the upper left side centre lighting array.

HABCO® Commercial Freezer solid door lights are actuated automatically when door(s) are opened.

2. Incandescent Lamp Replacement: Incandescent lamps are screw in lamp type similar to home incandescent lighting. These are designed for use in commercial appliances and should be replaced with similar, safety-coated incandescent lamps.

H. DOORS

WARNING: RISK OF DEATH, FIRE, EXPLOSION, ELECTRICAL SHOCK AND/OR OTHER PERSONAL INJURY!

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DISCONNECT POWER BEFORE ACCESSING MECHANICALLY FASTENED AREAS.

WARNING: RISK OF PERSONAL INJURY! EMPLOY BEST HEALTH AND SAFETY LIFTING PRACTICES WHEN REMOVING SHIPPING PLATFORM(S); LEVELING CABINET; REVERSING DOORS; AND MOVING APPLIANCE. IF IN DOUBT, ASK FOR HELP.

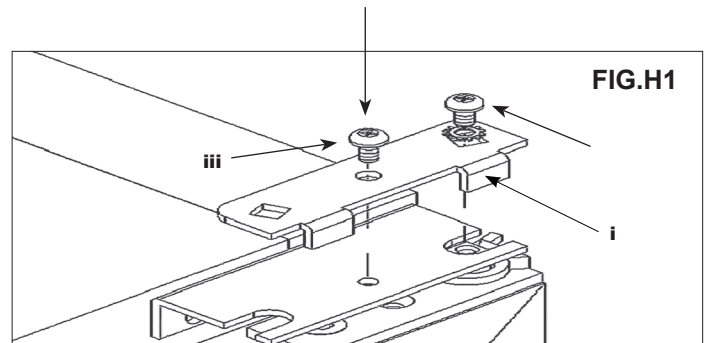
NOTICE: HABCO® WARRANTS FACTORY DOOR REVERSAL ONLY. ANY ISSUES AND SUBSEQUENT SOLUTIONS ARISING FROM FIELD REVERSED DOORS ARE THE RESPONSIBILITY OF THE CUSTOMER. DOOR ADJUSTMENTS ARE NOT COVERED UNDER WARRANTY. INSPECT DOOR HARDWARE FOR WEAR WHEN REVERSING OR SERVICING.

Easy Mount Swing Door Reversal - Single Solid Door Models

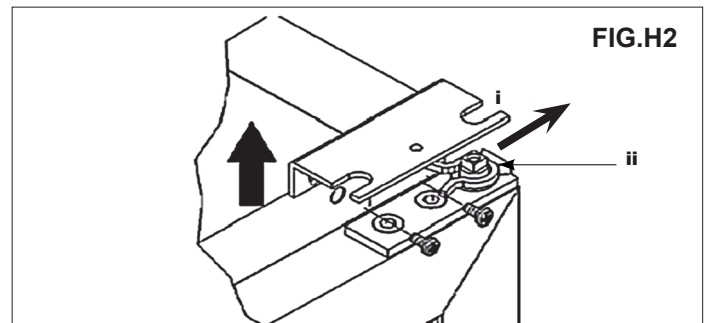
Solid Single Door models can be reversed on location. All single doors are installed at factory with handle on left hand side and hinge on right side.

1. Unplug the freezer. Remove lower grill and sign/header assemblies.
2. Door closed, remove hinge tensioning bracket (FIG.H1i) first by unfastening (centre) set-screw (FIG.H1iii). **Note: bracket is under tension - hold securely in place until set-screw is removed then gently release bracket tension.** Save set-screw.

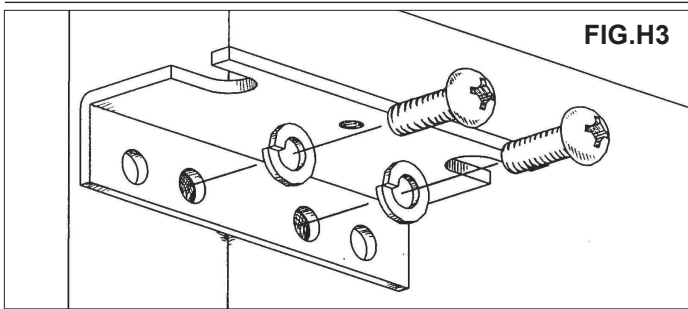
WARNING! HOLD DOOR AGAINST CABINET WHILE REMOVING BRACKET AND FASTENERS. MAGNETIC DOOR GASKET WILL ASSIST. REMOVAL OF THE SET-SCREW (FIG.H1iii) WILL LEAVE DOOR UNSECURED.



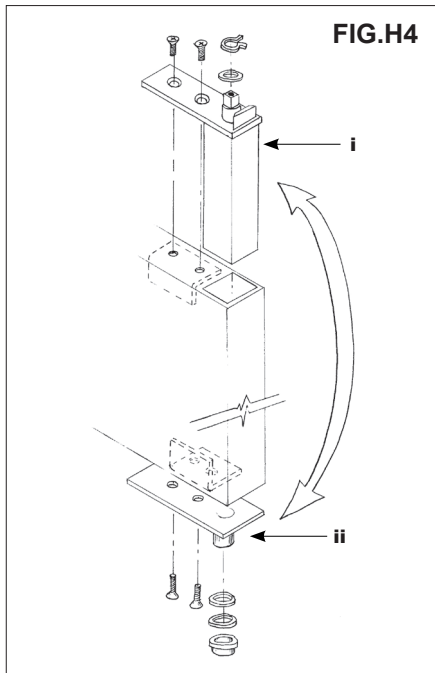
3. Remove and save hinge pin fastener and one star washer (See Fig H1ii).
4. To Remove Door: Tilt sideways out of the upper mounting bracket notch (FIG.H2i) and lift to remove bottom pivot pin from lower mounting bracket. Save nylon washers, upper bushing and stop spring from hinge shaft as shown in (FIG.H2ii) and any nylon washers from bottom door pivot pin.



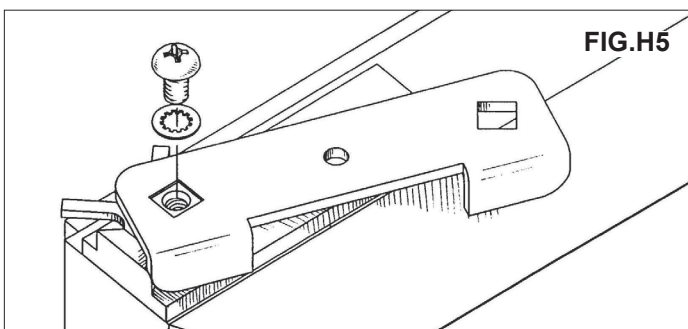
5. Remove upper cabinet mounting bracket and refasten screws to the opposing side of the freezer (FIG.H3). Remove lower cabinet mounting bracket & fasten to opposing side of the cabinet. Ensure nylon bushing remains in place in lower mounting bracket hole.



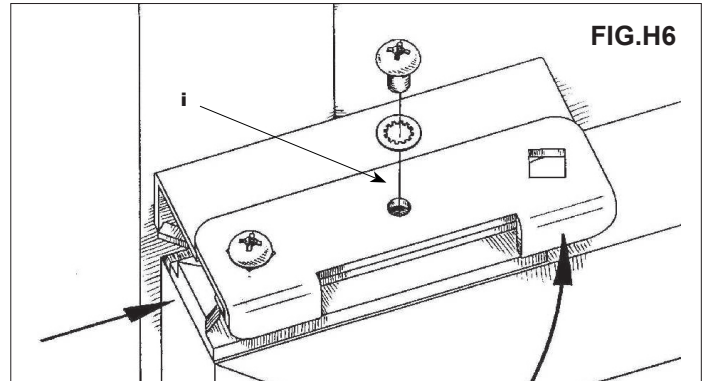
6. On the door, reverse door hinge (FIG.H4i) and bottom pivot plate (FIG.H4ii). Refasten both pivot plate and hinge.



7. Rotate door 180° to opposing hinge position. Door hinge will now be at top left with handle on right side.
8. Place nylon washer on lower door pivot pin. Position the lower door pivot pin with washer into the lower mounting bracket bushing.
9. Place nylon washer and stop spring onto hinge post. Position door hinge post in the upper cabinet mounting bracket, sliding the hinge post into outer notch located on the cabinet mounted bracket.
10. Door in position, reinstall hinge tensing bracket onto the square portion of the hinge post at 45° angle from face of cabinet (FIG. H5).



11. Push hinge tensing bracket into tensioned position (flush to face of cabinet mounting bracket - FIG.H6) and fasten securely with set-screw (centre hole of the hinge tensing bracket (FIG.H6i).



- To ensure door is installed correctly, open door 10° and it should close by itself.
- Reinstall lower grill and sign/header assemblies.
- Restore power.

I. PREVENTATIVE MAINTENANCE

HABCO® Commercial Freezers require very little maintenance. The freezer, installed according to this User Guide, will only require regular cleaning.

⚠ WARNING: RISK OF DEATH, FIRE, EXPLOSION, ELECTRICAL SHOCK AND/OR OTHER PERSONAL INJURY!

DO NOT ACCESS MECHANICALLY FASTENED AREAS WITHOUT PERMISSION OF OWNER AND READING AND UNDERSTANDING PRODUCT MANUAL.

DISCONNECT POWER BEFORE ACCESSING MECHANICALLY FASTENED AREAS.

⚠ WARNING: RISK OF PERSONAL INJURY!

EMPLOY BEST HEALTH AND SAFETY LIFTING PRACTICES WHEN REMOVING SHIPPING PLATFORM(S); LEVELING CABINET; REVERSING DOORS; AND MOVING APPLIANCE. IF IN DOUBT, ASK FOR HELP.

EMPLOY BEST HEALTH AND SAFETY PERSONAL PROTECTION PRACTICES AND ADHERE TO MANUFACTURER'S WARNINGS WHEN USING TOOLS AND CLEANING AGENTS.

USE CARE WHEN HANDLING OR CLEANING METAL PARTS.

! NOTICE: RISK OF APPLIANCE DAMAGE!

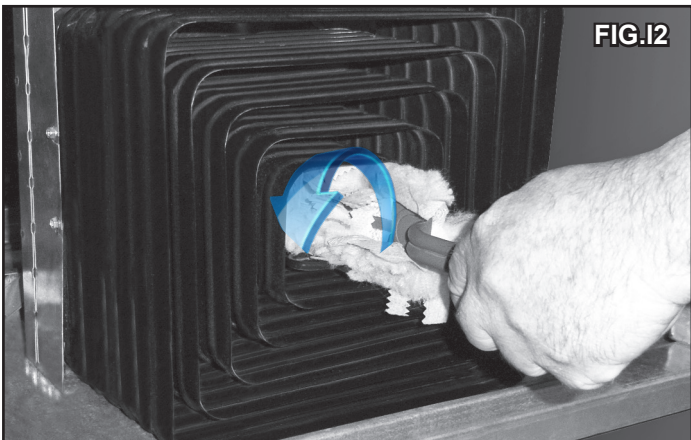
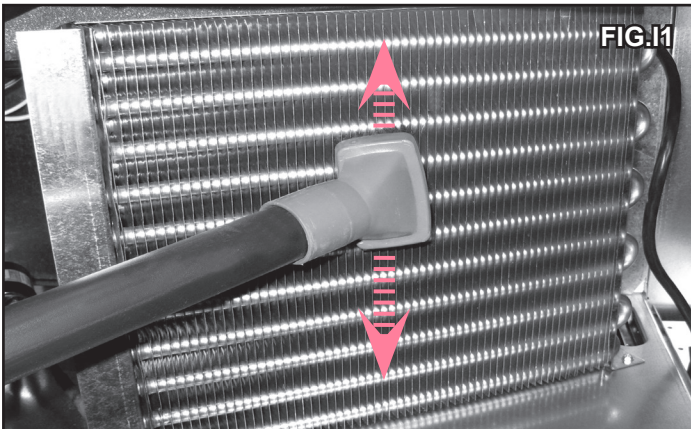
MAINTAIN A CLEAN CONDENSER COIL (BOX-SHAPED COMPONENT LOCATED BEHIND THE LOWER GRILL) TO PREVENT DAMAGE TO REFRIGERATION PARTS AND POOR PERFORMANCE NOT COVERED UNDER WARRANTY. QUALIFIED PROFESSIONAL TO DISCONNECT APPLIANCE FROM ELECTRICAL RECEPTACLE PRIOR TO REMOVING AIR FLOW GRILL FOR MAINTENANCE OR SERVICE.

USE ONLY MILD ANTI-BACTERIAL, NON-ABRASIVE 'DISH SOAP' DETERGENT AND SOFT CLOTH OR BRISTLE BRUSHES FOR CLEANING YOUR APPLIANCE. FOR STUBBORN RESIDUE, SUCH AS GREASE BUILD-UP ON CONDENSER (HEAT-EXCHANGE) COIL, EMPLOY THE SERVICES OF A QUALIFIED PROFESSIONAL.

All refrigeration devices require thorough cleaning of the condenser coil (Heat-Exchange Coil located at front base of cabinet behind the grill on HABCO® Commercial Freezers). Visually inspect the condenser coil for build-up of grease, floor wax, dust and lint regularly. At minimum, cleaning should be completed on a monthly basis. Use either a dusting wand for models equipped with Free&Clear™ condenser coil (FIG.I2) or, a vacuum with soft bristle nozzle for models equipped with Lint-Tolerant Condenser Coil (FIG.I1) to remove dust from between condenser fins-or condenser comb to remove heavier build-up.

Lint-Tolerant Condenser Coil (SF28/SF46 Series'):

1. Disconnect power to appliance.
2. Remove lower front airflow grill.
3. Cleaning:
 - i. Lint-Tolerant Condenser Coil (SF28/SF46 Series') use a common soft bristle brush attachment with vacuum, vac-brush dirt, dust and debris off coil in a vertical manner as shown (FIG.I1).
 - ii. Free&Clear™ Finless Condenser Coil (SF24 Series) use a combination of dusting wand and vacuum for thorough cleaning (FIG.I2).
3. Reinstall lower front airflow grill.
4. Reconnect power to appliance.



If the build-up proves to be too difficult to manage, please contact a qualified service technician.

Combatting Odors:

- An open box of baking soda placed on a shelf at the rear of the cabinet will help prevent odours. The box should be replaced every three months.
- Maintain clean freezer, inside and out, at all times.

J. CLEANING PROCEDURES

⚠ WARNING: RISK OF DEATH, FIRE, EXPLOSION, ELECTRICAL SHOCK AND/OR OTHER PERSONAL INJURY!

DO NOT ACCESS MECHANICALLY FASTENED AREAS WITHOUT PERMISSION OF OWNER AND READING AND UNDERSTANDING PRODUCT MANUAL.

DISCONNECT POWER BEFORE ACCESSING MECHANICALLY FASTENED AREAS.

⚠ WARNING: RISK OF PERSONAL INJURY!

USE ONLY MILD ANTI-BACTERIAL, NON-ABRASIVE 'DISH SOAP' DETERGENT, AND SOFT CLOTH (OR BRISTLE BRUSHES WHERE SPECIFIED) FOR CLEANING YOUR APPLIANCE. FOR STUBBORN RESIDUE, SUCH AS GREASE BUILD-UP ON CONDENSER (HEAT-EXCHANGE) COIL, EMPLOY THE SERVICES OF A QUALIFIED PROFESSIONAL.

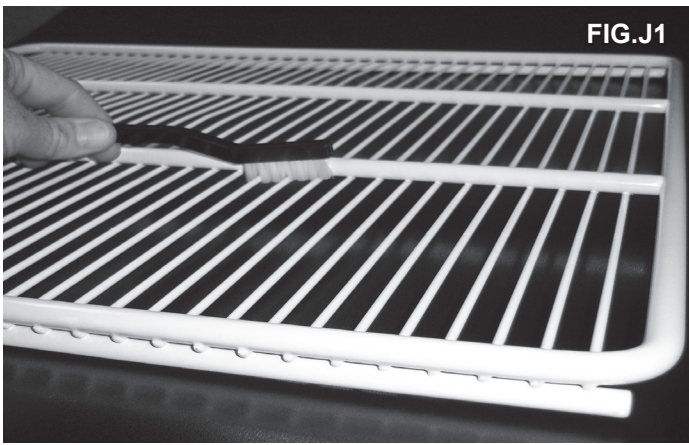
USE CARE WHEN HANDLING OR CLEANING METAL PARTS.

! NOTICE: RISK OF APPLIANCE DAMAGE! AFTER ACCESSING REFRIGERATION OR ANY OTHER MECHANICALLY FASTENED AREAS OF THE APPLIANCE, RE-FASTEN SECURELY.

- i. Interior Cabinet Cleaning: A solution of one (1) tablespoon baking soda to one (1) litre (one quart) warm water, or a mild mixture of anti-bacterial dish soap and warm water with a soft cloth may be used. Rinse and dry thoroughly.
- ii. Interior Stainless Steel Cleaning: For general cleaning of the stainless steel floor please follow Notices in section (I) noted previous. A wide variety of oil based stainless steel cleaning agents are available from the hardware store.
- iii. Shelf Cleaning: Remove shelf from cabinet. Using soft cloth with mild solution of antibacterial detergent and warm water, wash shelf by hand.

! NOTICE: RISK OF APPLIANCE DAMAGE! DO NOT SOAK SHELF IN ANY LIQUIDS OTHER THAN WATER AND DETERGENT.

For areas of shelf where cloth cannot fully reach, use brush (HABCO® P/N C097589) with soap solution to remove any remaining contaminants (see FIG.J1 and J2). Once all contaminants are removed, rinse and dry thoroughly with soft cloth. Allow shelf to air dry completely before returning it to cabinet.



K. TROUBLE-SHOOTING

Prior to calling for service, check the following:

- Is the appliance plugged-into dedicated 15 Amp serviced, grounded 3 prong wall receptacle?
- Is the circuit breaker thrown or fuse blown?
- Is there adequate power?
- Is the circuit prone to power fluctuations?
- Are there other appliances on the same circuit drawing power?
- Has an extension cord, power bar or adapter, been improperly used to connect power?
- Is the appliance overloaded with product?
- Is there adequate ventilation?
- Is the condenser plugged with grease and/or dirt?
- Are the doors closing properly?
- Do the gaskets seal snugly?
- Is the lower guide track free from debris and spillage?
- Is the shipping pallet removed and is the appliance level?

Information to Provide to Qualified Service Professional:

- Serial Number of appliance (upper left interior wall);
- Appliance Installation Address and Contact Information;
- Installation Location Hours of Operation;
- Nature of Problem;
- Any reports of power interruptions;
- Recent service or maintenance completed on appliance;
- Has the appliance been relocated from original installation;
- Clear access to the appliance;
- Safety, Installation and Instruction Manual.

- iv. **Glass Cleaning:** For everyday glass cleaning, a 50:50 Vinegar & Water mixture is recommended.
- v. **Cleaning the Magnetic Positive-Seal Gasket:** A mild solution of antibacterial dish soap and warm water with a damp cloth or sponge should be used to clean all HABCO® Commercial Freezer door gaskets. Do Not Pull, Remove, Place Undo Stress on, or Submerge Any Door Gaskets While Cleaning.
- vi. **Pilaster Removal for Cleaning:** Remove product and shelving. Loosen pilaster fasteners located at the top of each pilaster strip. Lift up and off the wall and clean beneath. Replace pilasters and ensure the fasteners are secured.
- vii. **Preparing the Appliance for Extended Shutdown & Storage:**

⚠ WARNING: RISK OF ENTRAPMENT! WHEN STORING, ENSURE THAT DOOR IS BLOCKED SLIGHTLY AJAR, BUT SECURED NOT TO OPEN.

! NOTICE: RISK OF APPLIANCE DAMAGE! DO NOT STORE OUTDOORS, IN DIRECT SUN, DAMP, EXTREME HEAT AND/OR COLD CONDITIONS.

Disconnect power to appliance. Clean thoroughly following section J instructions. Remove shelving and clean according to instructions. Leave an open box of baking soda inside with door blocked slightly ajar, but secured not to open. Cover entire appliance with appropriate, breathable cover.