



Replacement Parts Manual

with Illustrations

**COMPACT SERIES
Soft Serve Freezer
Model FM8**

184979-01 10/05

Replacement Parts Orders

You must have the serial number of your freezer when ordering parts — parts may differ with a particular serial number of the same model.

Name: _____

Address: _____

Phone: _____

Parts are listed using terminology that best fits the function of the part. The illustrations in this section will help you to find the correct part number and description. Use the alphabetized parts list to verify part numbers pertaining to the serial number of your unit.

If you require any further assistance, contact H. C. Duke & Son, Inc., *Electro Freeze* as follows:

Place your parts order through your local authorized Electro Freeze distributor.



Phone: (309) 755-4553
(800) 755-4545

FAX: (309) 755-9858

E-mail: service@hcduke.com

PART II

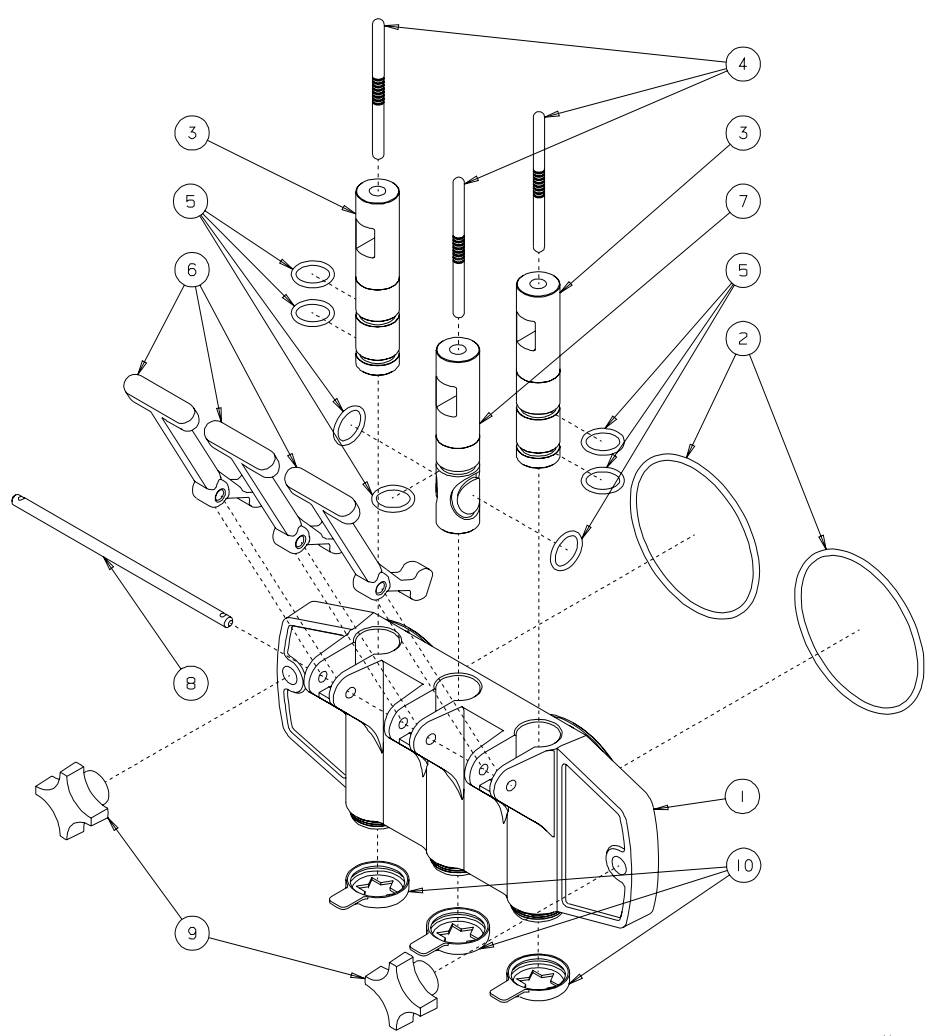
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W01565

Figure 1 Head Assembly

Item	Part No.	Description
*	HC115774	Head-Assy.Dispense Complete
1	HC118672	Head-Assy. Dispense TF (Head Only)
2	HC160649	O-Ring (Head)
3	HC137807	Plunger-Dispense (Side)
4	HC137763	Rod-Actuator (Plunger)
5	HC160624	O-Ring (Plunger)
6	HC196166	Handle-Dispense
7	HC137902	Plunger-Dispense Center
8	HC160266	Pin-Handle
9	HC162625	Knob-Hand
9A	HC114341-06	Stud-Assy. Cylinder 2-1/16" (Not Shown)
10	HC196167	Nozzle-Dispense

* Includes all items above except # 4, 9 and 9A.

116323 Handle-Assy. Dispense (Stainless Steel) (Not Shown)
117783 Head-Assy. Dispense Complete w/Stainless Steel
Handles (Not Shown)

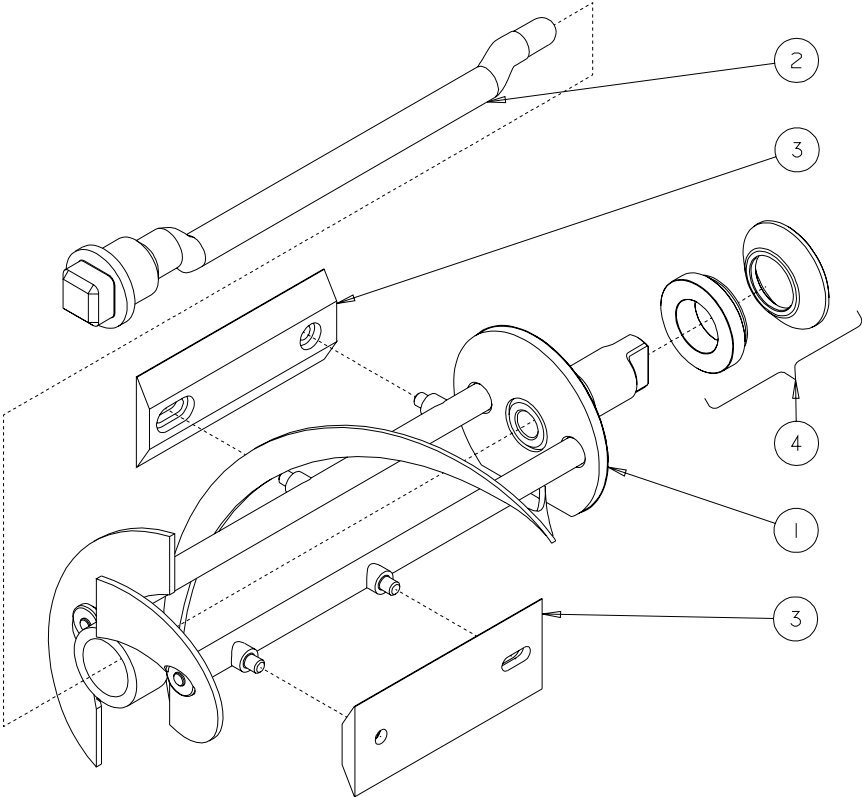


Figure 2 Beater Shaft Assembly

Item	Part No.	Description
1	HC115677	Shaft-Assy. Beater
2	HC138202	Bar-Breaker
3	HC137934	Blade-Scraper
4	HC113824	Seal-Assy. Shaft
	HC160557	Seal-Beater Shaft (Cup)
	HC136025	Washer-Shaft Seal (Plastic Bushing)

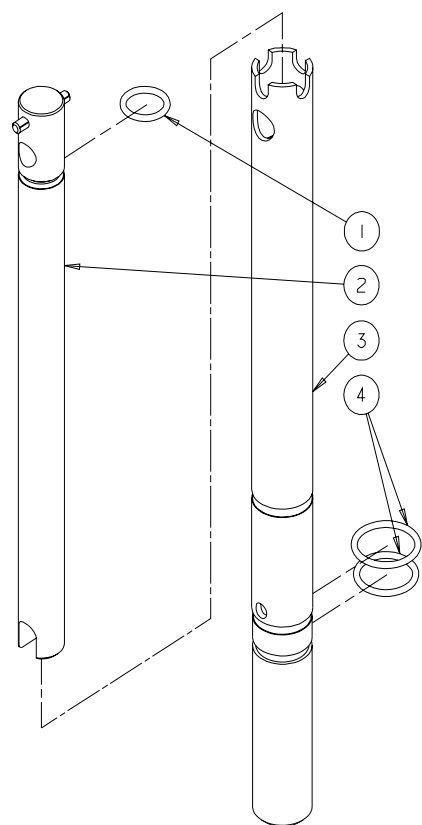


Figure 3 Mix Feed Tube Assembly

Item	Part No.	Description
*	HC116021	Tube-Assy. Mix Feed (Complete)
1	HC160610	O-ring (Insert)
2	HC116005	Insert-Assy. Mix Feed (Regulator)
3	HC138129	Tube-Mix Feed
4	HC160626	O-ring (Mix Feed Tube)

* Includes all items above.

Figure 4 Switch Box (Sheet 1 of 2)

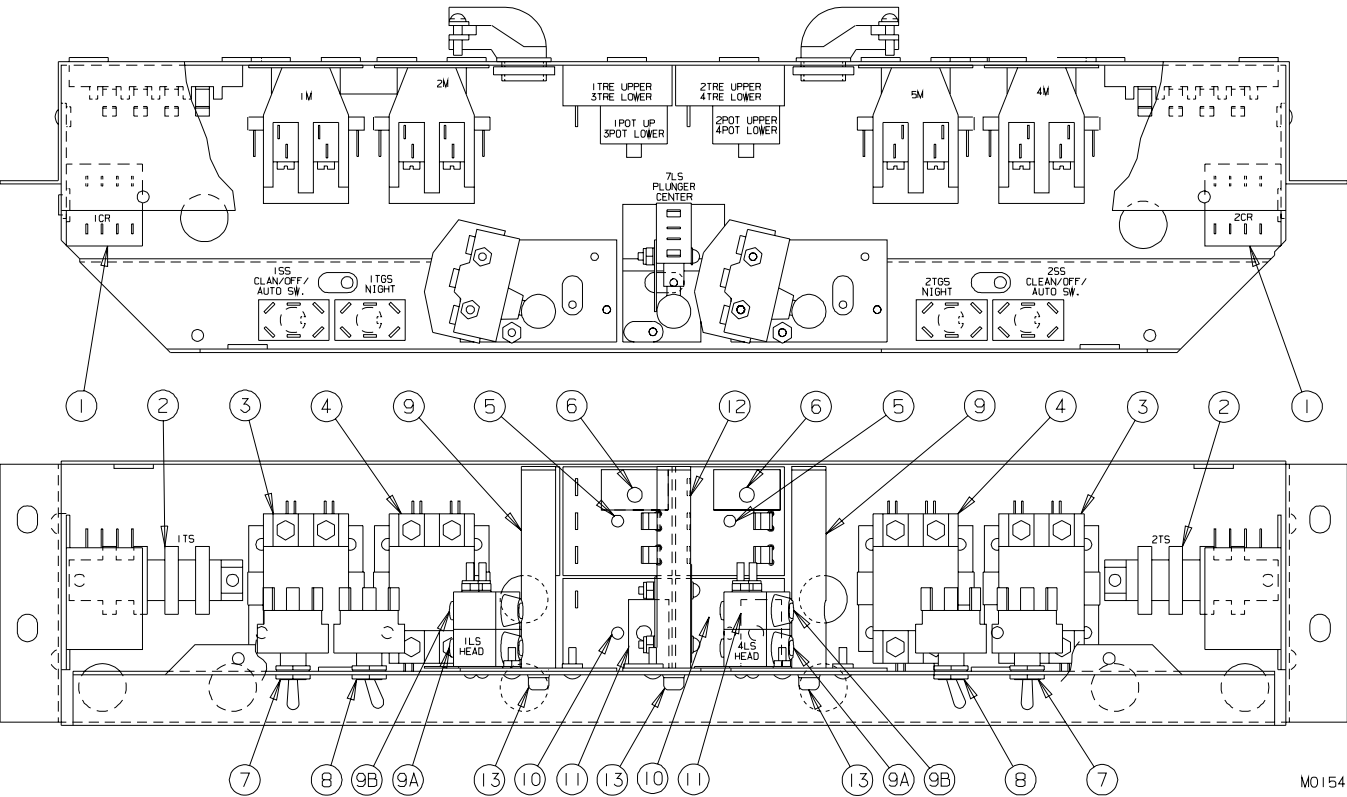
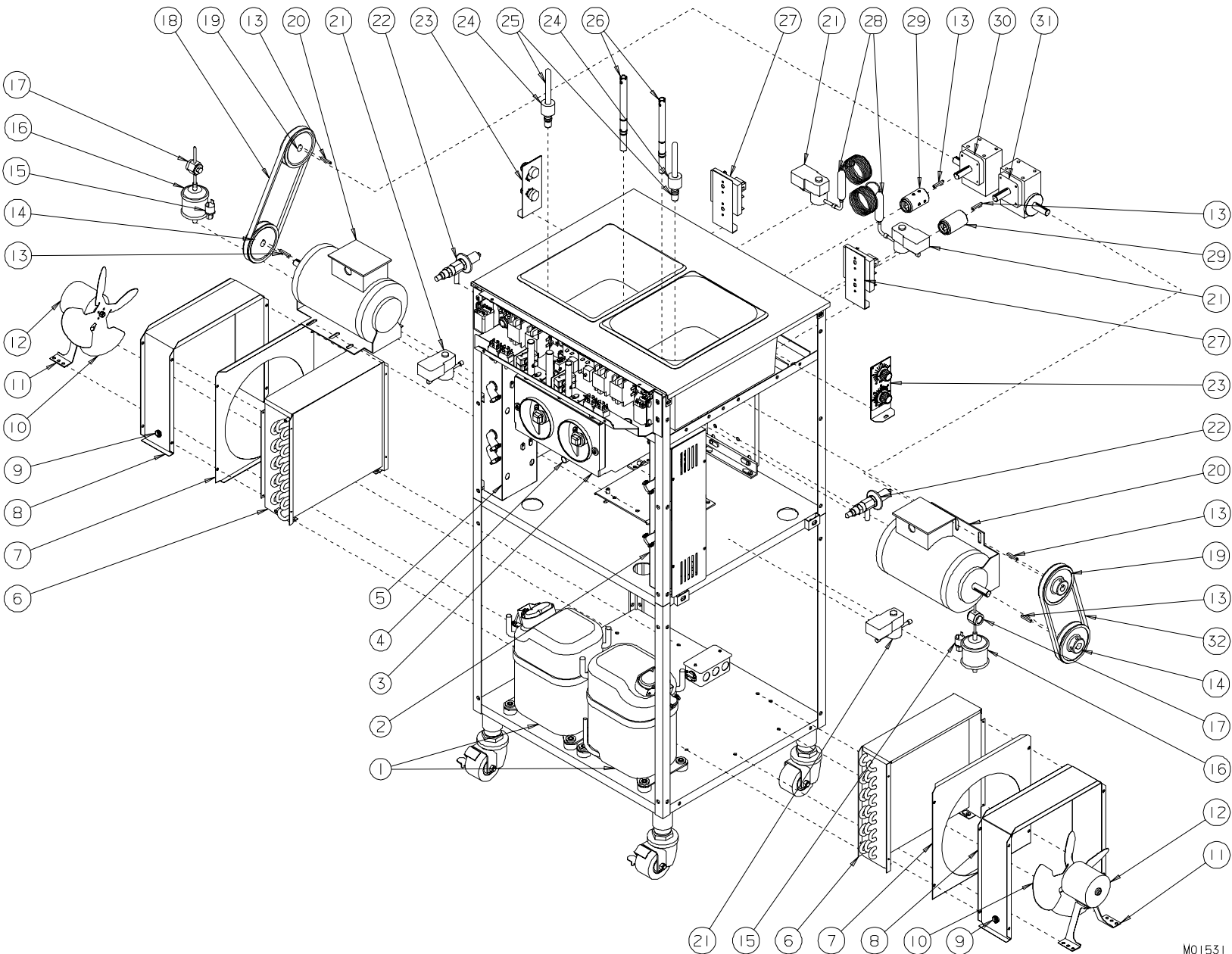


Figure 4 Switch Box (Sheet 2 of 2)

Item	Part No.	Description
1	HC150381	Relay-Flange Base w/Cover
2	HC150795	Strip-Terminal
3	HC150340	Contactor-2 Pole 208-240v (Beater Motor)
4	HC150340	Contactor-2 Pole 208-240v (Compressor)
5	HC150252-01	Timer-.5-60 Sec. Delay on Break 230
6	HC150253	Module-Plug on Vari Time .5-60 Sec.
7	HC150463	Switch-Toggle DPDT (AUTO/OFF/CLEAN-Selector)
8	HC150461	Switch-Toggle SPDT (DAY/NIGHT)
9	HC116613	Switch-Assy. Plunger Sides
9A	HC150456	Switch-Snap Button (Head Switch)
9B	HC150456	Switch-Snap Button (Plunger Switch)
	HC115684	Guide-Assy. Push Rod (not shown)
	HC137893	Insulator-Switch (not shown)
	HC162303	Spring-Plunger Rod (not shown)
10	HC150212	Timer-Delay on Make
11	HC150257	Module-Plug on Vari Time .5-3 Sec.
12	HC115744	Switch-Assy. Plunger Center
	HC115742	Guide-Assy. Push Rod (not shown)
	HC150479	Switch-Push Button DPDT (not shown)
	HC162303	Spring-Plunger Rod (not shown)
13	HC137760	Rod-Plunger Switch (Actuator Button)

Figure 5 Model FM8 – Assembly (Sheet 1 of 2)



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LH = Left hand side of the freezer as you face the front.
RH = Right hand side of the freezer as you face the front.

Figure 6 Panels

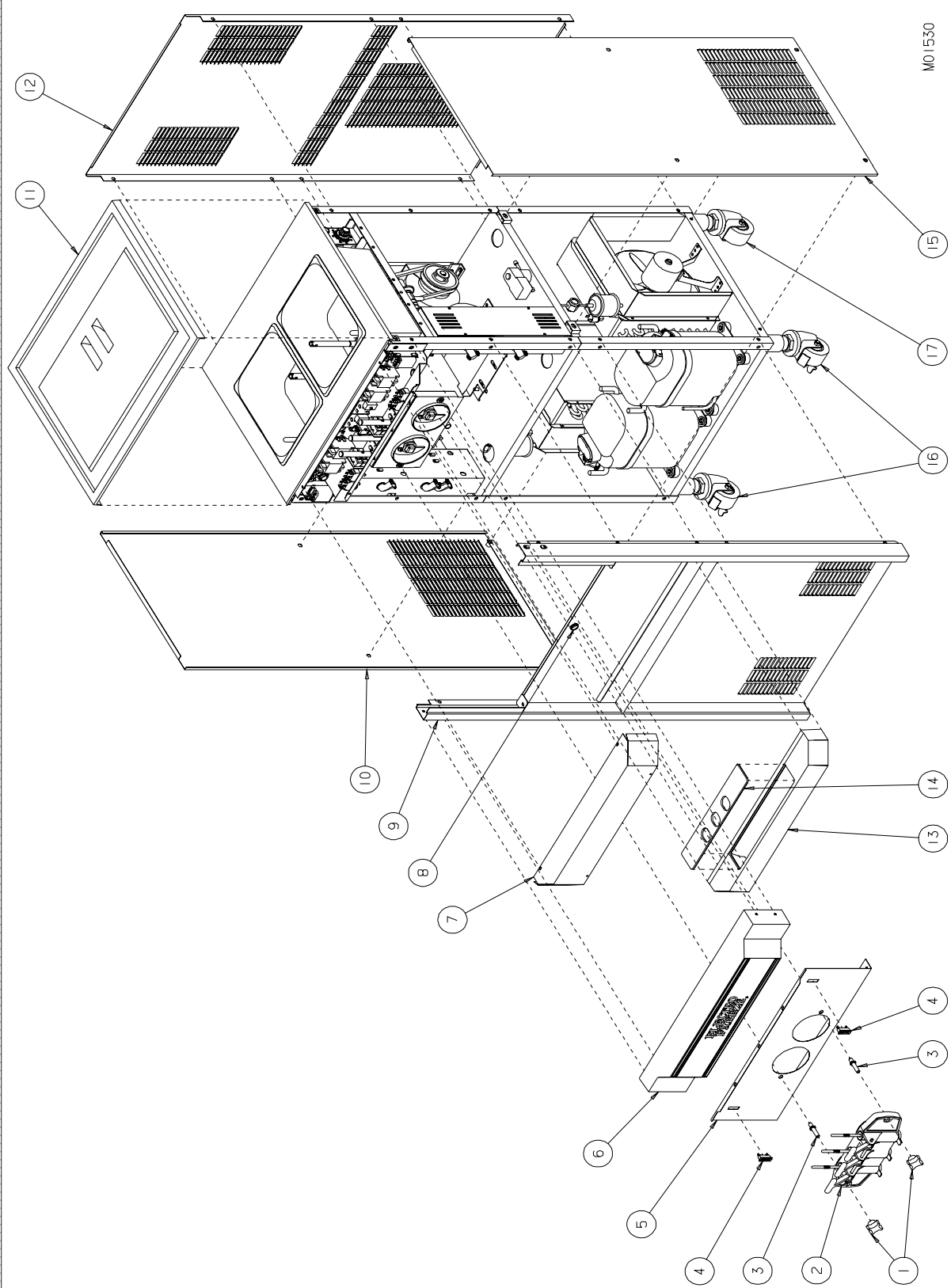


Figure 6 Panels

Item	Part No.	Description
1	HC162625	Knob-Hand
2	HC115774	Head-Assy. Dispense Complete
3	HC114341-06	Stud-Assy. Cylinder 2-1/16
4	HC150541	Light-Indicator 28v "ADD MIX"
4A	HC159401	ClipRetainer Indicator Light
5	HC137876	Panel-Dispense
6	HC196208	Trimstrip (Black)
7	HC137849	Cover-Electrical Box
8	HC159064	Grommet-7/8 OD x 5/8 ID
9	HC119850	Panel-Assy Front
10	HC140399	Panel-Side LH
11	HC196207	Cover-Hopper (Black)
12	HC140401	Panel-Rear
13	HC196209	Tray-Drip (Black)
14	HC196210	Insert-Tray (Black)
15	HC140400	Panel-Side RH
16	HC162133	Caster-Low Profile w/Brake
16A	HC150736	Nut-Lock Conduit 1-1/4
17	HC162134	Caster-Low Profile w/o Brake
17A	HC150736	Nut-Lock Conduit 1-1/4

Hardware for Panels		
Panel	Screw	Nut-Speed on Frame
Dispense	2-HC160076 3-HC160025	2-HC159132
Front	HC160048	HC160117
Rear	HC160048	HC160117
Side	HC159219	n/a
Trimstrip	HC160076	n/a
*N/A - Not Applicable		

Panel Decals & Labels	
Part No.	Description
HC165025	Beater Warning
HC164031	Blade Installation
HC165234	Cleaning Instruction
HC165093	Clear Overlay
HC164004-03	Operating Instructions
HC165126	Panel Removal
HC165145	Trimstrip LH
HC165146	Trimstrip RH
HC169052	Ventilation 3 in.

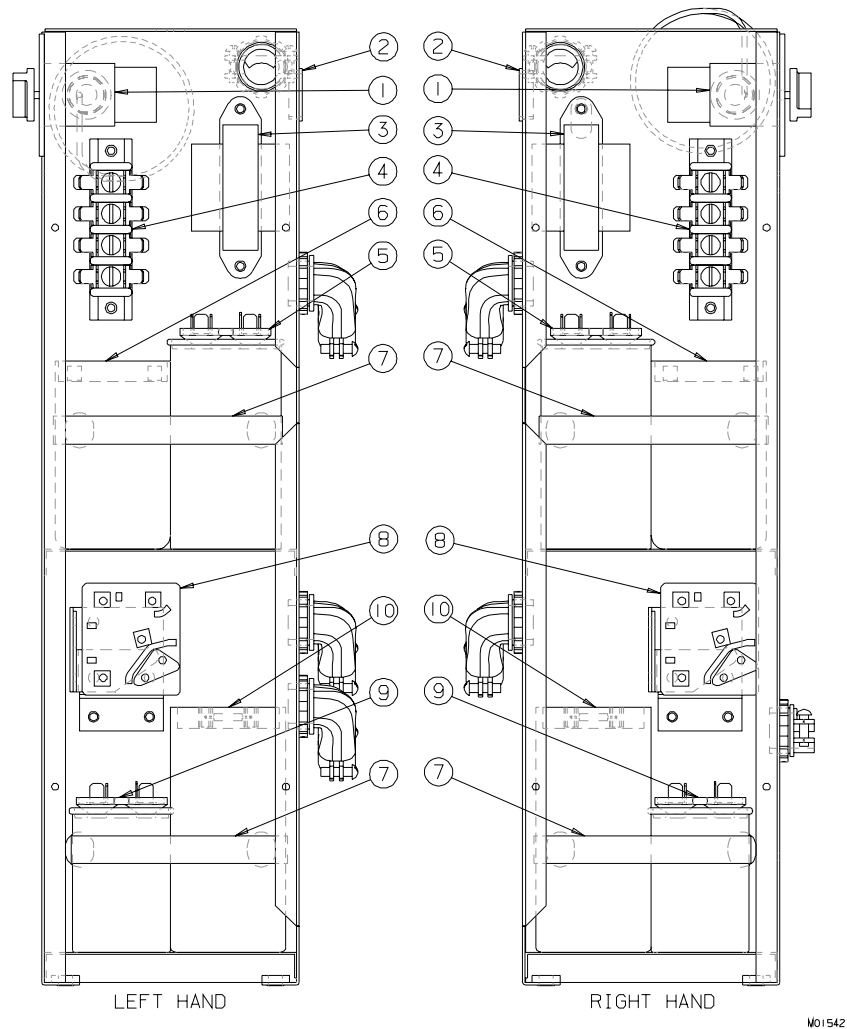


Figure 7 Capacitor/Relay Box

Item	Part No.	Description
1	HC161202	Thermostat-5° Fixed Diff. (Hopper)
2	HC150778	Bushing-Insulator
3	HC150290	Transformer-CL2 240PRI/24SEC
4	HC150795	Strip-Terminal
5	HC150293	Capacitor-Run (Beater Motor)
6	HC150294	Capacitor-Start (Beater Motor)
7	HC160743	Clamp-Hose 3-1/6 to 4 (Capacitor)
8	HC151417-01	Relay-Start/Run(Compressor)
9	HC151421	Capacitor-Run (Compressor)
10	HC151436	Capacitor-Start (Compressor)

LH = Left hand side is determined as you face the front of the freezer.
RH = Right hand side is determined as you face the front of the freezer.

Accessories

PART No.	DESCRIPTION
HC158003	Brush-7/16 x 1-1/8 Double End
HC158004	Brush-4 inch w/ 36 inch Handle
HC158009	Brush-4 inch w/o Handle
HC158026	Brush-1 inch Dia. 12 in. Long
HC158037	Brush-1/4 inch Dia.18-1/2 OAL
HC184232	Chart-O-ring CS2, CS8, FM8
HC150605	Cord-Molded Plug
HC158051	Cup-Overrun Measuring 1 Pint (use with P/N HC158049 scale)
HC119402	Kit-O-ring
HC158000A	Lubricant-Petrol Gel (per tube)
HC158014	Sanitizer-Stera-Sheen (per case - 4 x 4 lb. jars)
HC158014A	Sanitizer-Stera-Sheen (per 4 lb. jar)
HC158049	Scale-Overrun
HC184837	Sheet-Clean & Sanitize CS
HC169374	Tool-O-Ring Removal

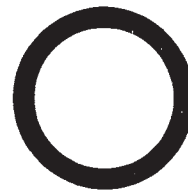
HC184232

REV E

MODEL CS2, CS8, FM8



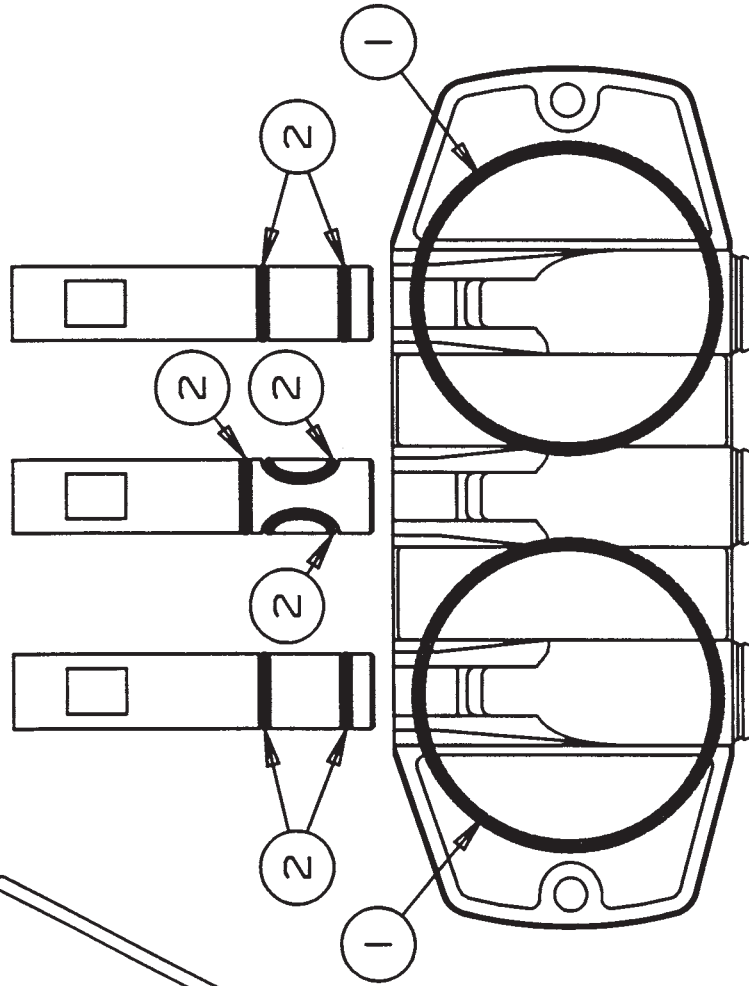
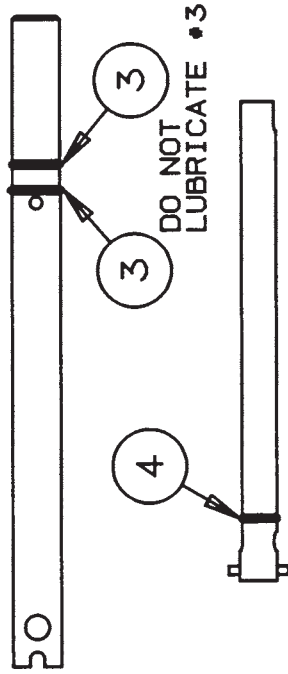
PART NO.
HC160649 ①



PART NO.
HC160624 ②



PART NO.
HC160626 ③



O-RING CHART

PH.NO. 309-755-4553

H.C. DUKE & SON, INC

Cleaning & Sanitizing Electro Freeze® Compact Series Soft Serve Freezers

The cleaning and sanitizing instructions explained in this instruction sheet are required to maintain a clean, sanitary freezer. The freezer should be disassembled, cleaned, reassembled, lubricated, and sanitized daily to ensure the best possible product and freezer operation.

This instruction sheet is not intended to be used in place of the Operator's Manual. Use the following information to assist you only after you have read, understood, and are accomplished in the procedures for cleaning and sanitizing detailed in the Electro Freeze Freezer Operator's Manual.



CAUTION

To avoid electrical shock or contact with moving parts, make sure all switches are in the "OFF" position and that the main power supply is disconnected.

CLEANING

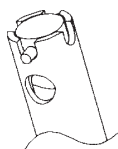
1. Disassemble the freezer components in accordance with the Operator's Manual instructions.
2. Prepare a three-compartment sink for cleaning, rinsing, and sanitizing parts removed from the freezer per applicable health codes. The sanitizer should be mixed according to the manufacturer's instructions to yield 100 parts per million (PPM) available chlorine solution. (example: Stera-Sheen Green Label).
3. Wash, rinse, sanitize, and air dry all parts removed from the freezer. For proper sanitizing, the parts must remain in the sanitizer for 5 minutes.
4. The following parts should be cleaned with the appropriate brush supplied with freezer.
 - a. The mix feed tube, regulator main bore, and cross holes.
 - b. The head plunger openings, center plunger ports, breaker bar cavities, O-ring grooves, dispense nozzle mounting rings, and mix ports.
 - c. The shaft seal, bushing, plunger O-ring grooves, nozzle, and float.
 - d. The beater shaft inside the front collar and the hole on the rear flange.
5. Clean the freezer with the approved cleaning solutions and brush out the inside of the hopper and around the mix level sensor tube.
6. Thoroughly brush the hopper and mix feed port to the cylinder.
7. Brush the inside of the cylinder, making certain to clean the back wall of the cylinder.
8. Brush the inside of the drain tube.

SANITIZING

1. Assemble and lubricate freezer components in accordance with the Operator's Manual instructions.
2. Wash and sanitize your hands and forearms.
3. Prepare 2 gallons (7.6 liters) of sanitizing solution in a container. The sanitizing solution must be mixed according to manufacturer's instructions to yield 100 PPM (parts per million) available chlorine solution (i.e., Stera-Sheen or equivalent).
4. Make sure that the mix feed tube assembly and mix float are in the bottom of the hopper pan.
5. Pour sanitizing solution into the hopper pan. Using a clean brush, scrub the hopper walls, mix level sensor, the mix feed port from the hopper to the cylinder, the inside of the mix feed tube, and the mix float.
6. Install mix float on mix level sensor and wash down the inside of the hopper cover.
7. When the cylinder has filled with sanitizing solution, reconnect power, turn the selector switch to the "CLEAN" position and allow the beater to run for 5 minutes. During this time period, check for leaks around the head, plunger, and drain tube.
8. Place an empty container under the dispensing head and drain the solution by opening the plunger to allow the cylinder and hopper to empty. Open and close the plunger at least 10 times during draining to sanitize the port area of the dispense head.
9. When the sanitizing solution has drained from the freezer, turn the selector switch to the "OFF" position.

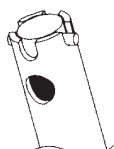
Problem? Contact your local authorized distributor or the freezer manufacturer, Electro Freeze Service Department, 2116 Eighth Avenue, East Moline, IL 61244, (309) 755-4553 or FAX (309) 755-9858.

PRIMING THE FREEZER



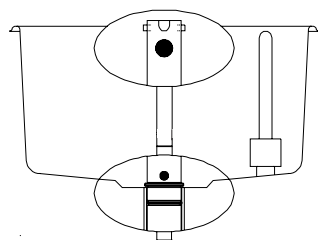
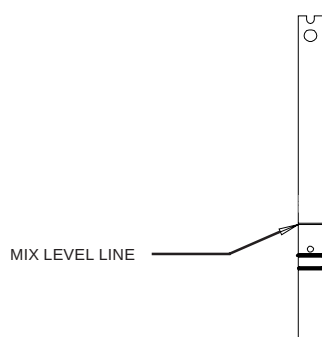
OPEN

Look through top hole in tube — you should see clear through.

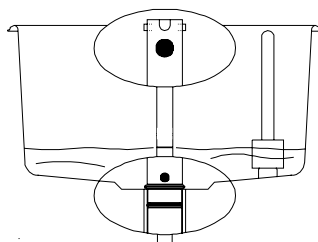


CLOSED

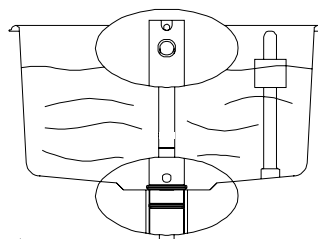
Look through top hole in tube — you should see the inner white plastic tube (regulator) blocking the opening.



Closed — empty hopper



Closed — mix at level line



Open — full hopper

1. Make sure that your hands and forearms and all freezer assemblies are sanitized.
2. Install the mix feed tube assembly in the hopper. Push all the way down and make sure the regulator is in the **“CLOSED”** position.
3. Fill the hopper with mix to the mix level line on the mix tube assembly.
4. Place an empty container under the dispense head. While holding the plunger open, place the regulator in the **“OPEN”** position, and allow the mix to *force out all remaining sanitizer*. When pure mix appears, close the plunger.
5. Remove the mix feed tube and allow the remaining mix in the hopper to flow into the cylinder.
6. Reinstall mix feed tube assembly in the hopper and push all the way down. Make sure the regulator is in the **“CLOSED”** position.

Important:

Failure to completely remove sanitizer or water from the freezing cylinder before placing in “AUTO” will damage the freezer.

7. Turn selector switch to “AUTO” to begin the freezing process. Fill the hopper with mix AND install hopper cover.
8. Keep the regulator in the **“CLOSED”** position until you are ready to dispense the first serving. When ready, approximately 15-20 minutes, move regulator to the **“OPEN”** position.
9. During long idle periods, the regulator should be closed — **but remember — when dispensing product, make sure that the mix feed regulator is open at all times.** If not open, the flow of mix will be restricted causing the product to freeze up. This condition could cause damage to the freezer. Do not allow lubricant or frozen product to block the hole in the tube, as this will have the same result.

ELECTRO FREEZE®

Limpieza e higienización de los congeladores Soft Serve Serie Compacta de Electro Freeze®

Las instrucciones de limpieza e higienización explicadas en esta hoja de instrucciones son necesarias para mantener el congelador limpio e higienizado. El congelador debe desmontarse, limpiarse, montarse, lubricarse e higienizarse todos los días para asegurar un funcionamiento óptimo del congelador y el mejor producto.

Esta hoja de instrucciones no está destinada a utilizarse en lugar del Manual del operador. Use la información siguiente como ayuda sólo después de haber leído detalladamente el manual del operador del congelador Electro Freeze y haber realizado los procedimientos de limpieza e higienización descritos en el mismo.



PRECAUCIÓN

Para evitar choques eléctricos o el contacto con piezas en movimiento, compruebe que todos los interruptores estén en la posición "OFF" (apagada) y que esté desconectado el principal suministro de alimentación.

LIMPIEZA

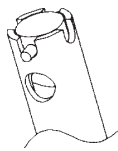
1. Desmunte los componentes del congelador según las instrucciones del manual del operador.
2. Prepare un fregadero de tres compartimentos para limpiar, enjuagar e higienizar componentes que retire del congelador según los códigos sanitarios correspondientes. Debe mezclarse el higienizador según las instrucciones del fabricante para que rinda una solución de cloro disponible de 100 partes por millón (PPM). (por ejemplo: Stera-Sheen Green Label).
3. Lave, enjuague, higienice y seque al aire todas las piezas retiradas del congelador. Para higienizar correctamente, deben dejarse las piezas en el higienizador durante 5 minutos.
4. Deben limpiarse las piezas siguientes con el cepillo adecuado que se suministra con el congelador.
 - a. El tubo alimentador de mezcla, la perforación principal del regulador y los agujeros cruzados.
 - b. Las aberturas del émbolo de la cabeza, los orificios del émbolo central, las cavidades de la barra de asiento, los surcos de las juntas tóricas, los aros de montaje de las boquillas surtidoras y los orificios de mezcla.
 - c. El sello del eje, el buje, los surcos de las juntas tóricas de los émbolos, la boquilla y el flotador.
 - d. El eje del batidor dentro del collarín frontal y el agujero en la brida posterior.
5. Limpie el congelador con las soluciones de limpieza aprobadas y cepille el interior de la tolva y alrededor del tubo sensor de nivel de la mezcla.
6. Cepille totalmente la tolva y el orificio alimentador de mezcla al cilindro.
7. Cepille el interior del cilindro, comprobando que quede limpia la pared posterior del cilindro.
8. Cepille el interior del tubo de drenaje.

HIGIENIZACIÓN

1. Monte y lubrique los componentes del congelador según las instrucciones del manual del operador.
2. Lávese e higienice las manos y antebrazos.
3. Prepare 7,6 litros (2 galones) de solución higienizadora en un recipiente. Debe mezclarse la solución higienizadora según las instrucciones del fabricante para que rinda una solución de cloro disponible de 100 PPM (partes por millón) (p. ej.: Stera-Sheen u otra equivalente).
4. Compruebe que el conjunto del tubo alimentador de mezcla y el flotador de mezcla estén en el fondo del receptáculo de la tolva.
5. Vierta la solución higienizadora dentro del receptáculo de la tolva. Con un cepillo limpio, friegue las paredes de la tolva, el sensor de nivel de mezcla, el orificio de alimentación de mezcla desde la tolva al cilindro, el interior del tubo alimentador de mezcla y el flotador de mezcla.
6. Instale el flotador de mezcla en el sensor de nivel de mezcla y lave el interior de la tapa de la tolva.
7. Cuando el cilindro se haya llenado de solución higienizadora, reconecte la alimentación, gire el interruptor selector a la posición "CLEAN" (limpiar) y deje que funcione el batidor durante 5 minutos. Durante este período, revise si hay fugas alrededor de la cabeza, el émbolo y el tubo de drenaje.
8. Coloque un recipiente vacío bajo la cabeza surtidora y drene la solución abriendo el émbolo para dejar que se vierta el contenido del cilindro y la tolva. Abra y cierre el émbolo por lo menos 10 veces durante el drenaje para higienizar el área del orificio de la cabeza surtidora.
9. Cuando la solución higienizadora se haya drenado del congelador, gire el interruptor selector a la posición "OFF" (apagada).

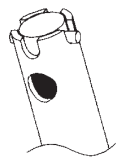
¿Tiene algún problema? Diríjase a su distribuidor local autorizado o al depto. de servicio del fabricante del congelador, Electro Freeze Service Department, 2116 Eighth Avenue, East Moline, IL 61244, (303) 755-453 o FAX (309) 755-9858

CEBADO DEL CONGELADOR



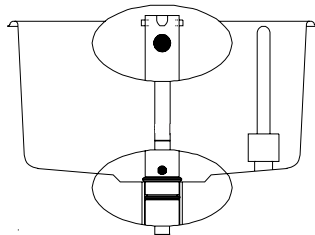
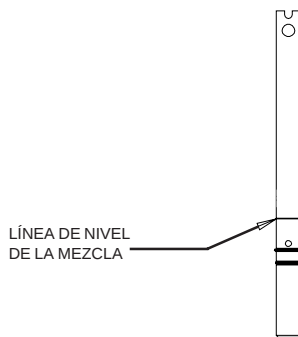
ABRIR

Mire por el agujero superior del tubo – debe poder ver totalmente a través de él.

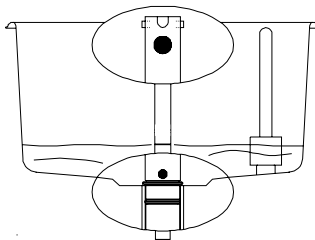


CERRADO

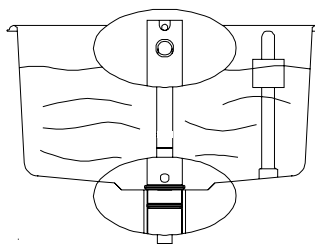
Mire por el agujero superior del tubo – debe ver el tubo plástico blanco interior (regulador) que bloquea la abertura.



Cerrado – tolva vacía



Cerrado – mezcla en la línea de nivel



Abierto – tolva llena

1. Compruebe que tenga las manos y antebrazos, así como todos los componentes del congelador debidamente higienizados.
2. Instale el conjunto del tubo alimentador en la tolva. Empuje totalmente hacia abajo y asegúrese de que el regulador esté en la posición **"CERRADA"**.
3. Llene la tolva con la mezcla hasta la línea de nivel de la misma del conjunto del tubo de mezcla.
4. Coloque un recipiente vacío bajo la cabeza surtidora. Sosteniendo el émbolo abierto, coloque el regulador en la posición **"ABIERTA"** y deje que la mezcla fuerce hacia afuera todo el higienizador restante. Cuando aparezca mezcla pura, cierre el émbolo.
5. Retire el tubo alimentador de mezcla y deje que la mezcla restante en la tolva fluya dentro del cilindro.
6. Vuelva a instalar el conjunto del tubo alimentador en la tolva y empuje totalmente hacia abajo. Compruebe que el regulador esté en la posición **"CERRADA"**.

Importante:

Si no se elimina totalmente el higienizador o el agua del cilindro congelador antes de colocar la unidad en "AUTO" (automático) se dañará el congelador.

7. Gire el interruptor selector a **"AUTO"** para comenzar el proceso de congelación. Llene la tolva con mezcla **E** instale la tapa de la tolva.
8. Mantenga el regulador en la posición **"CERRADA"** hasta que esté listo para surtir la primera porción. Cuando esté listo, aproximadamente 15-20 minutos, mueva el regulador a la posición **"ABIERTA"**.
9. Durante largos períodos inactivos, debe cerrarse el regulador – **pero recuerde que al surtir el producto hay que asegurarse de que esté abierto el regulador alimentador de mezcla en todo momento.** Si no está abierto, el flujo de mezcla estará restringido y hará que se congele el producto. Esta condición podría ocasionar daños al congelador. No deje que el lubricante o el producto congelado bloquee el agujero del tubo, porque esto tendrá el mismo resultado.

Electro Freeze® Gravity Soft Serve Freezers 的清洁与消毒

用户不能将本指导页当作《操作手册》使用。用户必须阅读、理解并熟练掌握《Electro Freeze 冷饮机操作手册》中的清洁和消毒的详细程序，以下信息只起到辅助作用。

排放饮品

1. 取下混合进液阀组件。
2. 将机器的两个控制开关都放在 **“CLEAN”**（清洁）位置。让搅拌器运行 5 分钟以软化产品。
3. 将冷却的饮品配发出去，越多越好。
4. 在每个混合漏斗中注入 2 加仑冷水。
5. 打开活塞，排放混合液和水。
6. 使用温暖的消毒溶液重复上述过程，直到水完全排干净。
7. 将所有开关放在 **“OFF”**（关闭）位置。

拆开冷饮机



警告：要避免电击或接触运转零件的危险，请确保所有开关都处于 **“OFF”**（关闭）位置，同时切断主电源。某些冷饮机的断电开关不止一个。

请根据《操作手册》说明拆开冷饮机部件。

清洁方法

1. 按照适用的卫生标准，准备一个有三个隔室的水槽，将冷饮机上拆下的零件进行清洁、漂洗和消毒。按照厂商说明配制 100 (PPM)（百万分之一百）的氯溶液作为消毒剂（例如：Stera-Sheen Green Label）。
2. 拆下所有部件并取下所有 O 型环。请使用购置冷饮机时所附带的适当的毛刷清洁每一个部件。
3. 洗涤、漂洗、消毒并风干从冷饮机上拆下的所有部件。为保证良好的消毒效果，请将部件在消毒剂中浸泡 5 分钟。
4. 将所有部件放在清洁干燥的地方风干。
5. 现在清洁冷饮机，请使用消毒溶液彻底刷洗漏斗内部以及圆筒的混合进液孔。
6. 用毛刷清洁圆筒内部，一定要清洁圆筒的后壁。
7. 用毛刷清洁排放管的内部。

组装冷饮机

1. 请根据《操作手册》说明组装冷饮机部件并加润滑油。

消毒方法

1. 请用户将双手和前臂清洗干净并消毒。

注：对冷饮机的每一侧执行操作步骤 2 到 8。

2. 请在一个容器中为冷饮机的每一侧准备 2 加仑（7.6 升）消毒溶液。按照厂商说明配制 100 (PPM)（百万分之一百）的可用氯溶液作为消毒溶液。
3. 确保混合进液管组件处于漏斗盘的底部。
4. 将消毒溶液注入漏斗盘中。使用清洁毛刷刷洗漏斗壁、从漏斗到圆筒的混合进液体孔以及混合进液管的内部。
5. 为漏斗盖的内部消毒。
6. 当圆筒充满消毒溶液时，请重新连接冷饮机的主电源。
7. 将选择器开关放到 **“CLEAN”**（清洁）位置，让搅拌器运转 5 分钟。
8. 在此过程中，检查分配头、活塞和排放管周围是否有泄露的地方。
9. 在分配头下放置一个空容器，打开活塞排出溶液，让圆筒和漏斗排空。在排空过程中打开和关闭每个活塞的次数不能少于 10 次，这样做的目的是为了给分配头的孔区域消毒。
10. 将选择器的两个开关都置于 **“OFF”**（关闭）位置，确保消毒溶液从冷饮机的每一侧完全排空。

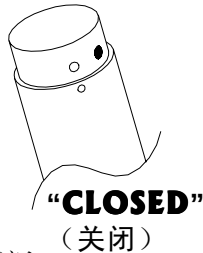
请参阅冷饮机的准备工作。

您还有其他问题吗？请与当地的授权经销商或冷饮机厂商，Electro Freeze 服务部联系，联系方法为：2116 Eighth Avenue, East Moline, IL 61244, (309) 755-4553 或传真 (309) 755-9858。

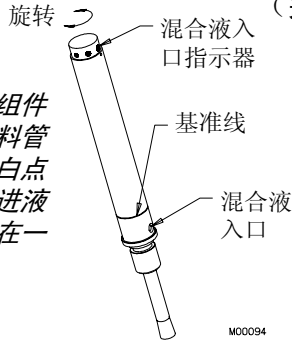
冷饮机的准备工作

1. 确保用户的双手、前臂以及冷饮机的所有组件都已消毒。

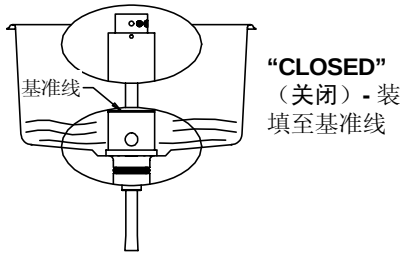
2. 将混合进液管组件安装在漏斗中。自上向下推动组件并确保调节器处在“CLOSED”（关闭）位置。



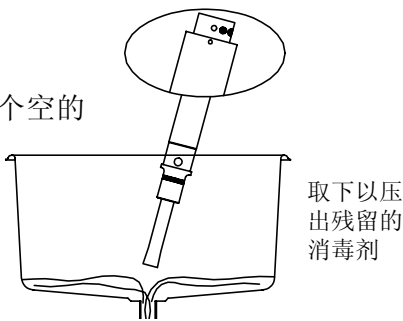
观察混合进液管组件的顶端，白色塑料管（调节器）上的白点必须和金属混合进液管上的对齐标志在一条直线上。



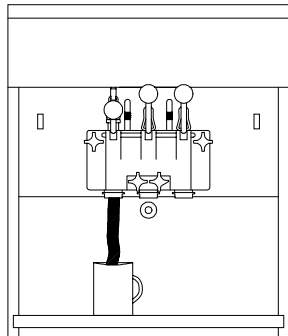
3. 用混合液填充漏斗，以到基准线为准。请勿重新使用用过的混合液来进行准备工作。



4. 在分配头下放置一个空的容器。使左侧活塞处于打开状态，通过拔出金属混合进液管取下混合液料管组件，利用混合液从活塞通道压出残留的消毒剂。



5. 当纯净的混合液流出时，请关闭活塞，并让漏斗中残留的混合液流到圆筒中。



要点:

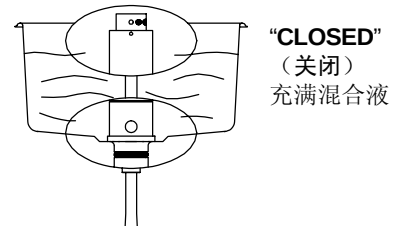
在制冷圆筒中的消毒剂或水没有完全排空前将开关置于“**AUTO**”（自动）位置，将损坏冷饮机。

6. 将混合进液管组件重新安装在漏斗中。自上向下推动组件。确保调节器处在“CLOSED”（关闭）位置。



7. 将左侧的选择器开关放到“**AUTO**”（自动）位置时将开始制冷过程。

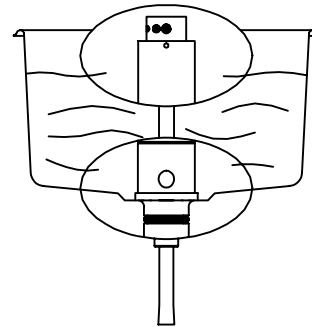
8. 用混合液填充左侧的漏斗。保持漏斗充满混合液，从而实现最优操作。



9. 对右侧漏斗重复操作步骤 1 到 7。

10. 将右侧的选择器开关放到“**AUTO**”（自动）位置开始制冷工作。用混合液填充右侧的漏斗。安装漏斗盖。保持漏斗充满混合液，从而实现最优操作。

11. 在用户准备配发第一批饮品前，请将调节器保持在“**CLOSED**”（关闭）位置。一切就绪后，大约经过 15 到 20 分钟，将调节器移动到中等或完全“**OPEN**”（打开）位置。注：混合液较少时，调节器相应打开较少可获得最佳效果。



12. 在分配混合液时，确保打开混合进液调节器，并且漏斗中随时充满配液。否则，混合液的流动将受到限制，导致其冻结。出现这种情况可能损坏冷饮机。

Alphabetized Parts List for Model FM8

Important: All parts shown are for standard models designed for 230V/1PH/60HZ.

PART DESCRIPTION	PART NUMBER	QTY	SERIAL NUMBER (FROM – TO)	
Bar-Alignment	HC115798	1	J2K	-
Bar-Breaker 11.45 in.	HC138202	2	J2K	-
Belt-Poly V-LH*** (Sold only in matched sets)	HC153162	1	J2K	-
Belt-Poly V-RH*** (Sold only in matched sets)	HC153173	1	J2K	-
Blade-Fan 10" 32° Suction	HC159031	2	J2K	-
Blade-Scraper	HC137934	4	J2K	-
Box-Assy. Capacitor LH (Complete)	HC119881	1	J2K	-
Box-Assy. Capacitor RH (Complete)	HC119882	1	J2K	-
Bracket-Fan Motor	HC162611	2	J2K	-
Brush-1/4" dia. 18-1/2" Overall (Mix Feed)	HC158037	1	J2K	-
Brush-4" w/36" Handle (Cylinder)	HC158004	1	J2K	-
Brush-4" without Handle (Cylinder)	HC158009	1	J2K	-
Brush-7/16" x 1-1/8" Double End	HC158003	1	J2K	-
Brush-1" dia. 12" Long (Drain Tube)	HC158026	1	J2K	-
Bushing-Insulator (Capacitor/Relay Box)	HC150778	2	J2K	-
Bushing(Washer)-Only (Shaft Seal)	HC136025	2	J2K	-
Capacitor-Run (Beater Motor)	HC150293	2	J2K	-
Capacitor-Run (Compressor)	HC151421	2	J2K	-
Capacitor-Start (Beater Motor)	HC150294	2	J2K	-
Capacitor-Start (Compressor)	HC151436	2	J2K	-
Casters-Low Profile w/Brake	HC162133	2	J2K	-
Casters-Low Profile w/o Brake	HC162134	2	J2K	-
Chart-O-ring CS2, CS8, FM8	HC184232	1	J2K	-
Clamp-Hose 3-1/16" to 4" (Capacitor Box)	HC160743	4	J2K	-
Clip-Retainer Indicator Light	HC159401	2	J2K	-
* As Required ** Items Included In O-Ring Kit No. 119402 *** LH or RH — Left or right hand is determined as you face the front of freezer. NLA No Longer Available				

Use only original or authorized replacement parts with this freezer.

Alphabetized Parts List for Model FM8

Important: All parts shown are for standard models designed for 230V/1PH/60HZ.

PART DESCRIPTION	PART NUMBER	QTY	SERIAL NUMBER (FROM – TO)	
Compressor-Assy. 208-230/60/1(AJA2425ZXD)				
Compressor and	HC119152	2	J2K	-
Capacitor-Run	HC151421	2	J2K	-
Capacitor-Start	HC151436	2	J2K	-
Relay-Start/Run	HC151417-01	2	J2K	-
Drier-Filter 3 cu in Sweat	HC155063	2	J2K	-
Condenser-Air Rifled	HC155126-01	2	J2K	-
Contact-2 Pole (Compressor/Beater Motor)	HC150340	4	J2K	-
Control-Assy. & Bracket (Day/Night)	HC119016	2	J2K	-
Control-Electronic Temp. Dual (Day/Night)	HC161218	2	J2K	-
Cord-Molded w/Plug	HC150605	1	J2K	-
Coupling-Assy. 5/8" Drive	HC115760	2	J2K	-
Cover-Assy. Capacitor/Relay Box	HC115809	2	J2K	-
Cover-Electrical Box	HC137849	1	J2K	-
Cover-Hopper Black	HC196207	1	J2K	-
Cut Out-High Pressure	HC155450	2	J2K	-
Cup-Only (Shaft Seal Assembly)	HC160557	2	J2K	-
Cup-Overrun Measuring 1 Pint	HC158051	*	J2K	-
Cylinder-Assy. Complete	HC115738	1	J2K	-
Decal-Beater Warning	HC165025	1	J2K	-
Decal-Blade Installation	HC164031	1	J2K	-
Decal-Cleaning Instructions	HC165234	1	J2K	-
Decal-Clear Overlay	HC165093	1	J2K	-
Decal-Electric Box Danger	HC165000	1	J2K	-
Decal-Electric Shock	HC165186	2	J2K	-
Decal-Operating Instructions	HC164004-03	1	J2K	-
Decal-Panel Removal	HC165126	6	J2K	-
Decal-Pulley Removal	HC165040	2	J2K	-
* As Required				
** Items Included In O-Ring Kit No. 119402				
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NLA No Longer Available				

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Alphabetized Parts List for Model FM8

Important: All parts shown are for standard models designed for 230V/1PH/60HZ.

PART DESCRIPTION	PART NUMBER	QTY	SERIAL NUMBER (FROM – TO)	
Decal-Refrigerant 404a	HC165114	2	J2K	-
Decal-Thermostat Dual	HC165069	1	J2K	-
Decal-Trimstrip LH (Switches)	HC165145	1	J2K	-
Decal-Trimstrip RH (Switches)	HC165146	1	J2K	-
Decal-Ventilation 3 in.	HC169052	1	J2K	-
Drier-Filter 3 cu in Sweat	HC155063	2	J2K	-
Float-Level Sensor	HC161301	2	J2K	-
Glass Sight	HC155459	2	J2K	-
Grommet-7/8 OD c 5/8 ID (Drain Tube)	HC159064	1	J2K	-
Grommet-Compressor	HC151449	8	J2K	-
Guide-Assy. Plunger Rod (Center)	HC115742	1	J2K	-
Guide-Assy. Plunger Rod (Sides)	HC115684	2	J2K	-
Handle-Dispense (Plastic)	HC196166	3	J2K	-
Handle-Dispense (Stainless Steel)	HC116323	3	J2K	-
Head-Assy. Dispense Complete	HC115774	1	J2K	-
Handle-Dispense	HC196166	3	J2K	-
Head-Dispense (Head only)	HC118672	1	J2K	-
Nozzle-Dispense	HC196167	3	J2K	-
O-ring (Head)	HC160649	2	J2K	-
O-ring (Plunger)	HC160624	7	J2K	-
Pin-Handle	HC160266	1	J2K	-
Plunger-Dispense Side	HC137807	2	J2K	-
Plunger-Dispense Center	HC137902	1	J2K	-
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Alphabetized Parts List for Model FM8

Important: All parts shown are for standard models designed for 230V/1PH/60HZ.

PART DESCRIPTION	PART NUMBER	QTY	SERIAL NUMBER (FROM – TO)	
Head-Assy. Dispense Complete (Stainless Steel Handles)	HC117783	1	J2K	-
Handle-Dispense	HC116323	3	J2K	-
Head-Dispense (Head only)	HC118672	1	J2K	-
Nozzle-Dispense	HC196167	3	J2K	-
O-ring (Head)	HC160649	2	J2K	-
O-ring (Plunger)	HC160624	7	J2K	-
Pin-Handle	HC160266	1	J2K	-
Plunger-Dispense Side	HC137807	2	J2K	-
Plunger-Dispense Center	HC137902	1	J2K	-
Insert-Assy. Mix Feed	HC116005	2	J2K	-
Insert-Tray (Black)	HC196210	1	J2K	-
Insulator-Switch (Side Plunger Switch)	HC137893	2	J2K	-
Key-Drive 3/16" sq x 1-1/4"	HC153321	6	J2K	-
Kit-Gear Reducer Seal 7.5/1	HC117381	2	J2K	-
Kit-O-Ring	HC119402	1	J2K	-
Kit-Gear Reducer LH w/o Sheave	HC115919	1	J2K	-
Plate-Reducer Mounting	HC137821	1	J2K	-
Kit-Gear Reducer RH w/o Sheave	HC115920	1	J2K	-
Plate-Reducer Mounting	HC137821	1	J2K	-
Kit-Solenoid Valve	HC155437	4	J2K	-
Knob-Hand	HC162625	2	J2K	-
Knob-Round Dial (Potentiometer Assy.)	HC162605	1	J2K	-
Label-Trimstrip LH	HC165145	1	J2K	-
Label-Trimstrip RH	HC165146	1	J2K	-
Light-Indicator 28V"ADD MIX"	HC150541	2	J2K	-
Lubrication-Petrol-Gel 4 oz. Tube	HC158000A	*	J2K	-
* As Required ** Items Included In O-Ring Kit No. 119402 *** LH or RH — Left or right hand is determined as you face the front of freezer. NLA No Longer Available				

Use only original or authorized replacement parts with this freezer.

Alphabetized Parts List for Model FM8

Important: All parts shown are for standard models designed for 230V/1PH/60HZ.

PART DESCRIPTION	PART NUMBER	QTY	SERIAL NUMBER (FROM – TO)	
Manual-FM8 Operator's (Order by Serial No.)	HC184979	1	J2K	-
Module-Plug on Vari Time .5-3 Sec.	HC150257	2	J2K	-
Module-Plug on Vari Time .5-60 Sec.	HC150253	2	J2K	-
Motor-Beater & Capacitor Kit	HC118136	2	J2K	-
Capacitor-Run	HC150293	2	J2K	-
Capacitor-Start	HC150294	2	J2K	-
Motor-Fan 35w 230-1-50/60	HC151080	2	J2K	-
Nozzle-Dispense	HC196167	3	J2K	-
Nut-Lock Conduit 1-1/4 (Casters)	HC162625	4	J2K	-
Nut-Speed #10-24 .025-.064 (Dispense Panel)	HC159132	3	J2K	-
Nut-Speed 1/4-20 .064-.125 (Front Panel)	HC160117	10	J2K	-
O-Ring (Head)	HC160649	2**	J2K	-
O-Ring-Kit (**Items included in Kit)	HC119402	1	J2K	-
O-Ring (Plunger)	HC160624	7**	J2K	-
O-Ring (Mix Feed Insert)	HC160610	1**	J2K	-
O-Ring (Mix Feed Tube)	HC160626	2**	J2K	-
Oil-Special Gear Reducer	HC158055	*	J2K	-
Panel-Assy. Front	HC119850	1	J2K	-
Panel-Dispense	HC137876	1	J2K	-
Panel-Rear	HC140401	1	J2K	-
Panel-Side LH***	HC140399	1	J2K	-
Panel-Side RH***	HC140400	1	J2K	-
Pin-Handle	HC160266	1	J2K	-
Plunger-Dispense Center	HC137902	1	J2K	-
Plunger-Dispense Side	HC137807	2	J2K	-
* As Required ** Items Included In O-Ring Kit No. 119402 *** LH or RH — Left or right hand is determined as you face the front of freezer. NLA No Longer Available				

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Alphabetized Parts List for Model FM8

Important: All parts shown are for standard models designed for 230V/1PH/60HZ.

PART DESCRIPTION	PART NUMBER	QTY	SERIAL NUMBER (FROM – TO)	
Potentiometer-Assy. & Bracket	HC119017	2	J2K	-
Decal-Thermostat Dual	HC165069	1	J2K	-
Knob-Round Dial	HC162605	1	J2K	-
Potentiometer-Trimmed	HC150199	1	J2K	-
Pulley	See Sheave			
Reducer-Gear	(See Kit-Gear Reducer)			
Regulator-Tube (Insert-Assy. Mix Feed)	HC116005	2	J2K	-
Relay-Flange Base w/Cover	HC150381	2	J2K	-
Relay-Start/Run Compressor 60 HZ	HC151417-01	2	J2K	-
Rod-Actuator (Plunger)	HC137763	3	J2K	-
Rod-Plunger Switch (Actuator Button)	HC137760	3	J2K	-
Sanitizer-Stera Sheen 4 lb. Jar	HC158014A	*	J2K	-
Sanitizer-Stera Sheen Case/4 Jars	HC158014	*	J2K	-
Scale-Overrun	HC158049	1	J2K	-
Screw-SK Set 1/4-20 x 1/4 BKOX (Sheave)		2	J2K	-
Screw-TRPM #8 32 x 3/8 SST (Dispense Panel)	HC160025	3	J2K	-
Screw-TRPM #10 24 x 1/2 SST (Dispense Panel & Trimstrip)	HC160076	6	J2K	-
Screw-TRPM 1/4-20 x 1/2 SST (Front & Rear Panels)	HC160048	10	J2K	-
Screw-TRPM 1/4 20 x 1 SST (Side Panel)	HC159219	4	J2K	-
Screw-Trimstrip Assy.	HC155980	4	J2K	-
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PART DESCRIPTION	PART NUMBER	QTY	SERIAL NUMBER (FROM – TO)	
Seal-Assy. Shaft	HC113824	2**	J2K	-
Seal-Beater Shaft (Cup)	HC160557	2	J2K	-
Washer-Shaft Seal (Bushing)	HC136025	2	J2K	-
Seal-BeaterShaft (Cup)	HC160557	2	J2K	-
Sensor-10K Thermistor	HC161216	2	J2K	-
Shaft-Assy. Beater	HC115677	2	J2K	-
Sheave-5/8 Bore 3.95 OD 3.7 PD	HC153648	4	J2K	-
Shroud-Fan	HC137739	2	J2K	-
Shroud-Side Vent	HC140404	2	J2K	-
Sight-Glass	HC155459	2	J2K	-
Sleeve-Compressor Mounting	HC151432	8	J2K	-
Spring-Plunger Rod	HC162303	3	J2K	-
Strip-Terminal	HC150795	2	J2K	-
Stud-Assy. Cylinder 2-1/16"	HC114341-06	2	J2K	-
Switch-Assy. Plunger Center	HC115744	1	J2K	-
Switch-Assy. Plunger Side	HC116613	2	J2K	-
Switch-Float Level Sensor	HC161300	2	J2K	-
Switch-Push Button DPDT (Center Plunger Switch)	HC150479	4	J2K	-
Switch-Snap Button (Side Plunger Switch)	HC150456	4	J2K	-
Switch-Start 60 HZ (Beater Motor)	HC150856	2	J2K	-
Switch-Toggle "AUTO-OFF-CLEAN"	HC150463	2	J2K	-
Switch-Toggle "DAY-NIGHT"	HC150461	2	J2K	-
Thermostat-5° Fixed Dif. (Hopper)	HC161202	2	J2K	-
Timer-.5-60 Sec. DOB 240v 50/60 Hz	HC150252-01	2	J2K	-
Timer-Delay on Make	HC150212	2	J2K	-
Tool-O-Ring Removal	HC169374	1	J2K	-
Transformer CL2 240 PRI/24 Sec.	HC150290	1	J2K	-
* As Required ** Items Included In O-Ring Kit No. 119402 *** LH or RH — Left or right hand is determined as you face the front of freezer. NLA No Longer Available				

Use only original or authorized replacement parts with this freezer.

Alphabetized Parts List for Model FM8

Important: All parts shown are for standard models designed for 230V/1PH/60HZ.

PART DESCRIPTION	PART NUMBER	QTY	SERIAL NUMBER (FROM – TO)	
Tray-Drip (Black)	HC196209	1	J2K	-
Trimstrip (Black Panel Switch Box)	HC196208	1	J2K	-
Tube-Assy. Drain	HC119389	1	J2K	-
Tube-Assy. Mix Feed (Regulator Style)	HC116021	2	J2K	-
Tube-Assy. Mix Feed (Two Hole-Shake)	HC117091	2	J2K	-
Tube-Capillary & Strainer	HC139924	2	J2K	-
Tube-Mix Feed (Regulator Style)	HC138129	2	J2K	-
Tube-Mix Feed (Two Hole-Shake)	HC138884	2	J2K	-
Valve-Access	HC155419	2	J2K	-
Valve-Automatic Expansion Sweat	HC155452	2	J2K	-
Valve-Solenoid 230V/ 50-60 HZ	HC155432	4	J2K	-
Washer-Shaft Seal (Bushing)	HC136025	2	J2K	-
* As Required ** Items Included In O-Ring Kit No. 119402 *** LH or RH — Left or right hand is determined as you face the front of freezer. NLA No Longer Available				

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