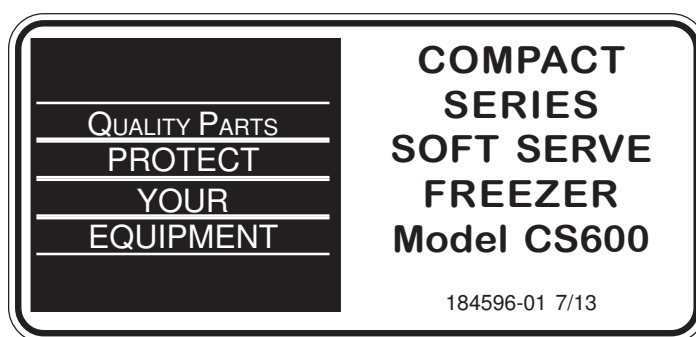




REPLACEMENT PARTS MANUAL

with ILLUSTRATIONS



**KEEP YOUR FREEZER IN EXCELLENT CONDITION. ALWAYS CONTACT
YOUR ELECTRO FREEZE DISTRIBUTOR FOR REPLACEMENT PARTS.**

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. The alphabetized parts list can be used to verify part numbers pertaining to the serial number of your unit.

If you require any further assistance, contact H. C. Duke & Son, LLC, *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@electrofreeze.com

PART II

Table of Contents

ILLUSTRATIONS

Figure 1	Head Assembly	1
Figure 2	Beater Shaft Assembly	2
Figure 3	Mix Feed Tube Assembly	3
Figure 4	Plunger/Switch Box	4
Figure 5	Electric Box	5
Figure 6	Back/Side View	6
Figure 7	Panel View	8

OTHER LISTS and INFORMATION

Accessories	9
O-Ring Chart	10
Sheet-Clean & Sanitize	11
Alphabetized Parts List	13

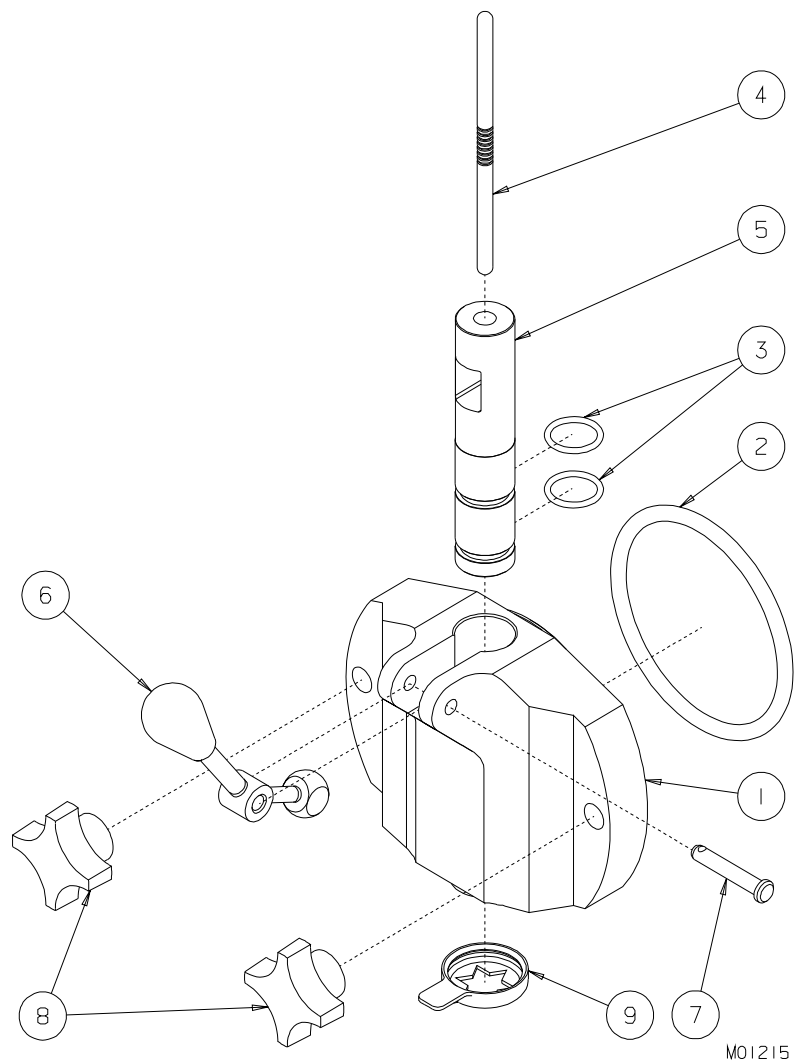


Figure 1 Head Assembly

Item	Part No.	Description
*	HC119199	Head Assy. Dispense Complete Stainless Steel Handle
1	HC119162	Head-Assy. Dispense
2	HC160623	O-Ring (Head)
3	HC160624	O-Ring (Plunger)
4	HC138611	Rod-Actuator
5	HC137807	Plunger-Dispense
6	HC116323	Handle-Assy. Dispense Complete includes HC162627 .. Knob-Oval Taper
7	HC160265	Pin-Handle
8	HC162625	Knob-Hand
8A	HC114341-06	Stud-Assy. Cylinder 2-1/16" (not shown)
9	HC196167	Nozzle-Dispense

* Includes all items except #4, 8 and 8A.

**Use only original or authorized replacement parts with this freezer.
Use of unapproved parts will void warranty.**

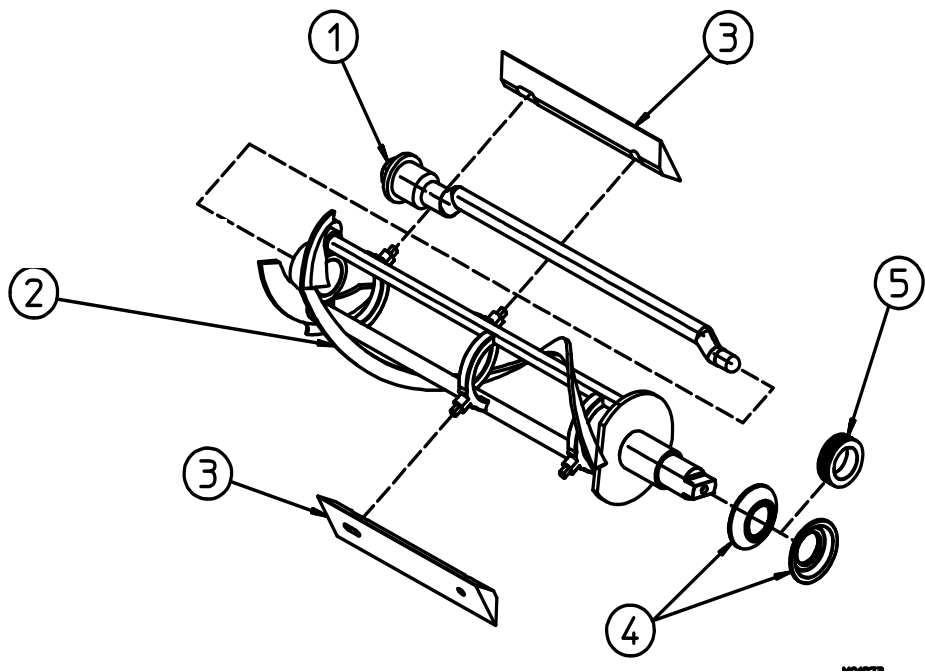


Figure 2 Beater Shaft Assembly

Item	Part No.	Description
1	HC138203	Bar-Breaker 15.35 in.
2	HC120935	Shaft- Assy. Beater
3	HC141009	Blade-Scraper
4*	HC160557	Seal-Beater Shaft
5*	HC137593	Washer-Double Shaft Seal

* Can be ordered together
HC115525 Seal-Assy. Shaft Double

Use only original or authorized replacement parts with this freezer.
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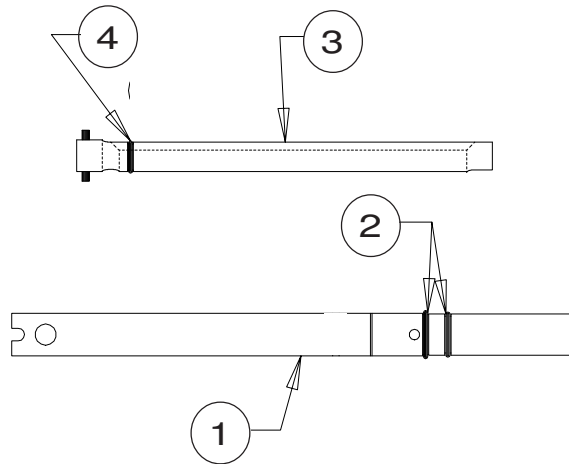


Figure 3 Mix Feed Tube Assembly

Item	Part No.	Description
*	HC120947	Tube-Assy. Mix Feed .188 (Complete)
1	HC141092	Tube-Mix Feed .188 Orifice
2	HC160621	O-ring (Mix Feed Tube)
3	HC120664	Insert-Assy. Mix Feed
4	HC160611	O-ring (Regulator)

* Includes all items above.

Use only original or authorized replacement parts with this freezer.
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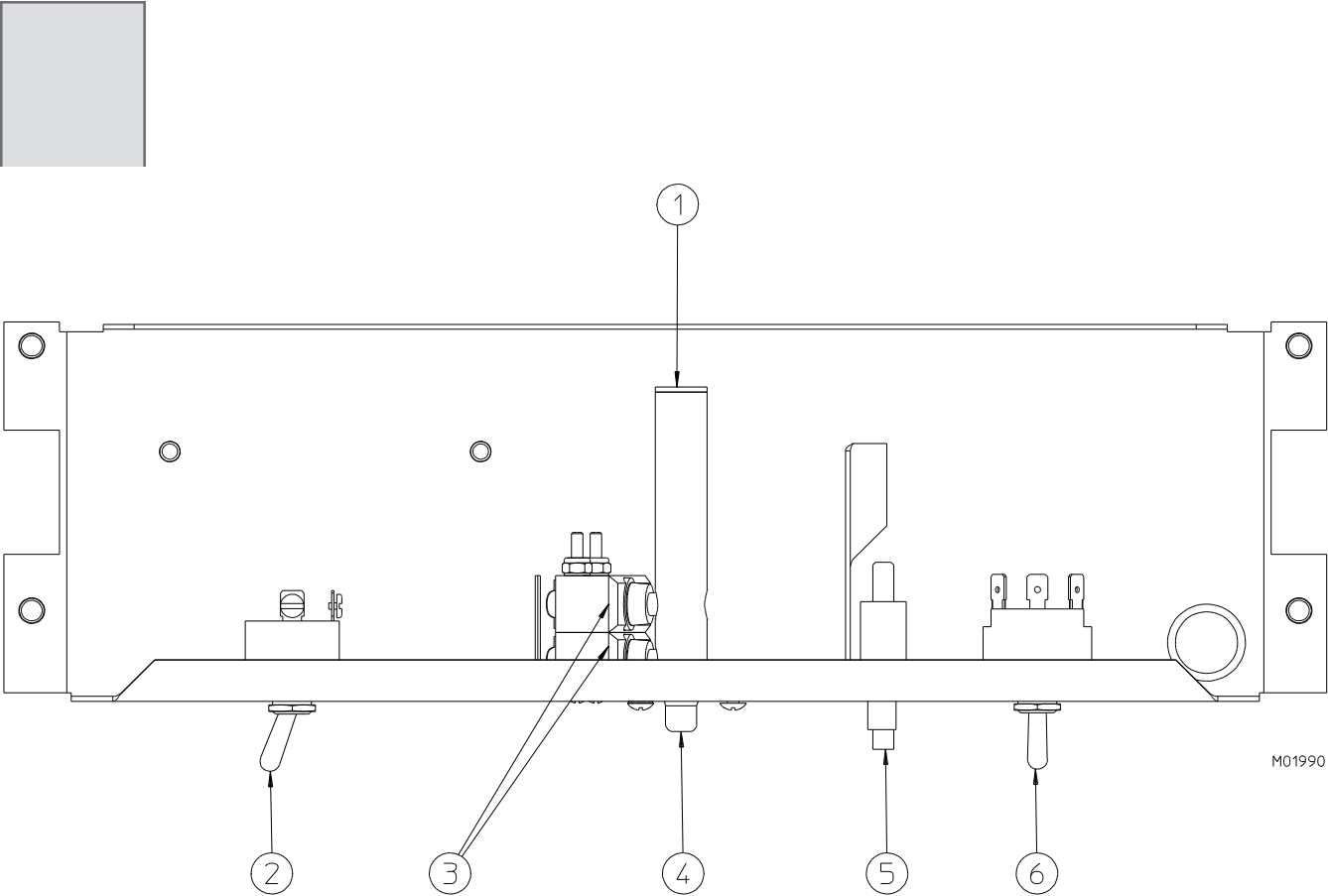


Figure 4 Plunger/Switch Box

Item	Part No.	Description
1	HC116613	Switch-Assy Plunger
		HC115684 Guide-Assy. Push Rod
		HC162303 Spring-Plunger Rod
		HC150456 Switch-Snap Button
2	HC159235	Switch-Toggle SPST (DAY/NIGHT)
3	HC150456	Switch-Snap Button
4	HC137760	Rod-Plunger Switch-(Actuator Button)
5	HC150958	Circuit Breaker 10.0A
6	HC150465	Switch-Toggle 3PDT CTR OFF (AUTO/OFF/CLEAN)

Use only original or authorized replacement parts with this freezer.
Use of unapproved parts will void warranty.

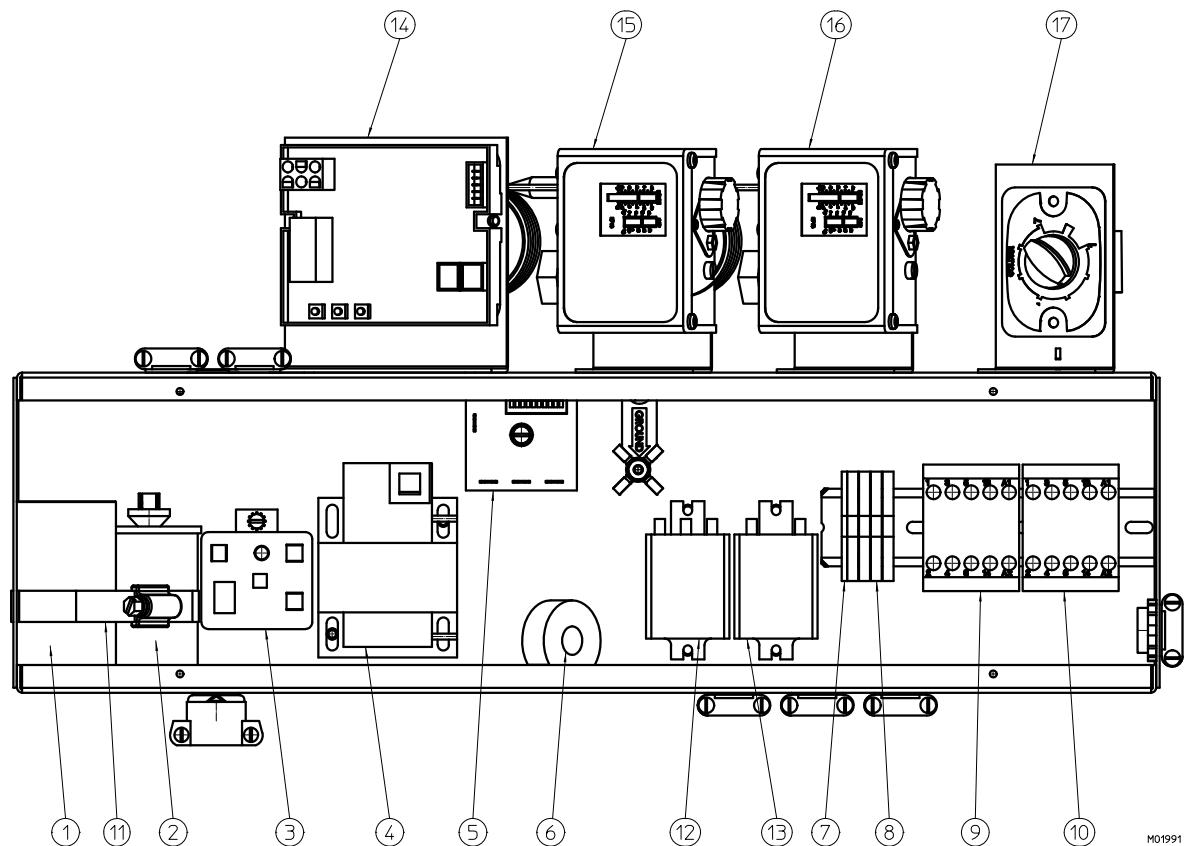
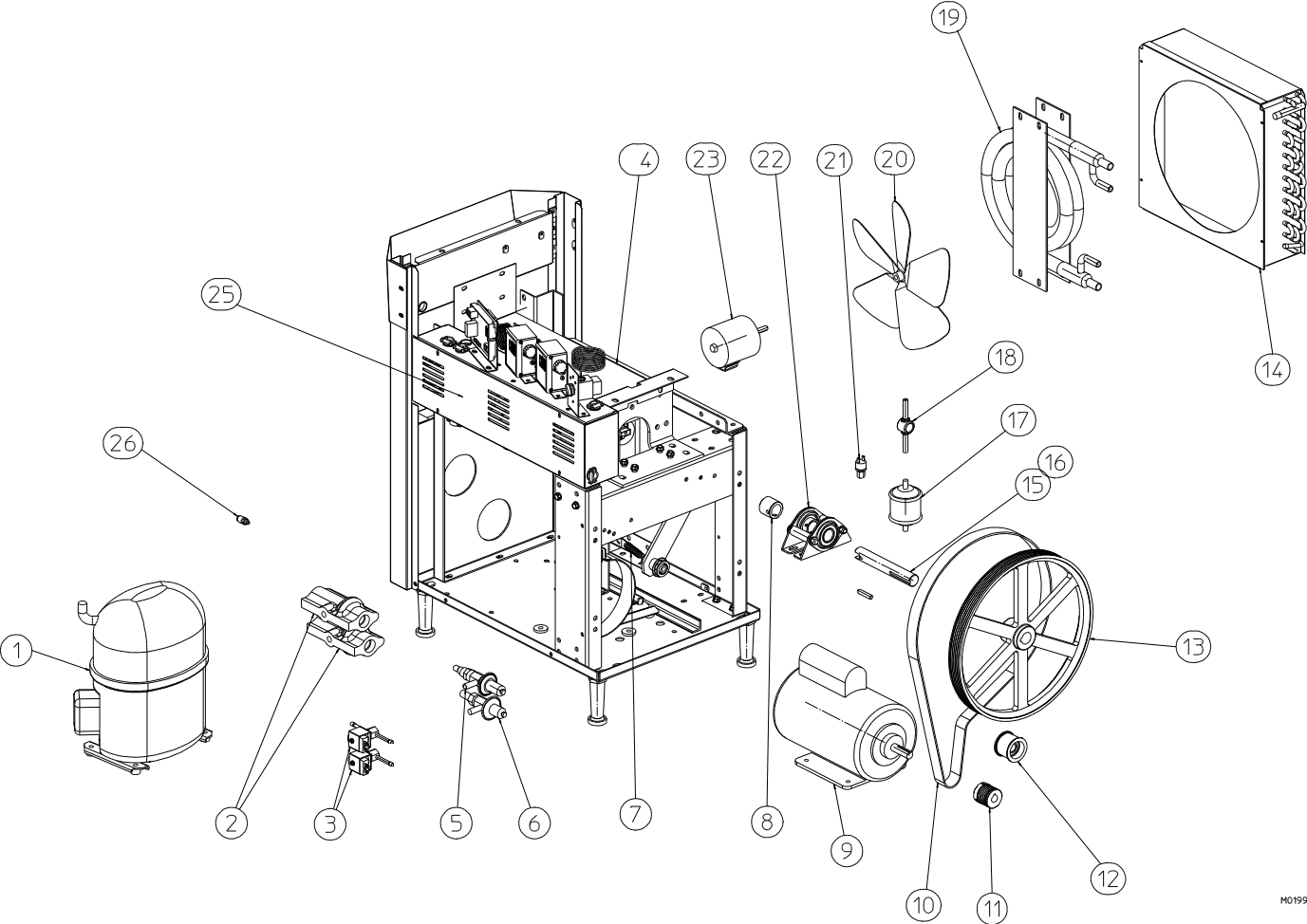


Figure 5 Electrical Box

Item	Part No.	Description
1	HC151414	Capacitor-Start
2	HC150244	Capacitor-Run
3	HC151474	Relay-Compressor Start
4	IC574100325	Transformer-75VA / 24VAC / MURD
5	HC120095	Kit-Recyle Timer Wiring Instructions
6	IC574100349	Transformer-Current
6A	HC150724	Tie-Cable Wrap
7	HC150594	Stop-Terminal Block End (Cover)
8	HC150591	Block-Terminal
9	HC150095	Contactator-Mini 3P, 1 AUX, 24V (Compressor)
10	HC150095	Contactator-Mini 3P, 1 AUX, 24V (Beater Motor)
11	HC160743	Clamp-Hose 3-1/6 to 4
12	HC150341	Relay-Control Flange 3PDT 24V
13	HC150343	Relay-Control Flange DPDT 24VAC
14	HC120969	Board-Assy. Torque Monitor Shake/SS
15	HC119989	Kit-Thermostat & Retainer (Low Temp. Safety)
16	HC119989	Kit-Thermostat & Retainer (Night)
17	HC161202	Thermostat-5° Fixed Differential (Hopper)

**Use only original or authorized replacement parts with this freezer.
Use of unapproved parts will void warranty.**

Figure 6 Side/Back View (Sheet 1 of 2)



M01992

Use only original or authorized replacement parts with this freezer.
Use of unapproved parts will void warranty.

Figure 6 Side/Back View (Sheet 1 of 2)

Item	Part No.	Description
1	HC120982	Compressor-Assy. includes compressor and: HC150244 Capacitor-Run HC151414 Capacitor-Start HC155063 Drier-Filter 3 cu. in. Sweat HC151478 Grommet-Comp.Mtg. HC151474 Relay-Compressor Start HC151479 Sleeve-Comp.Mtg.
2	HC165531	Insulator-Expansion Valve
3	HC155395	Valve-Solenoid Body 3/8 ODM (Body Only)
3A	HC151477	Coil-Solenoid 208-240V MKC-1TS
4	HC120639	Cylinder-Assy. Complete
5	HC155449	Valve-Automatic Expansion (Hopper)
6	HC155490	Valve-Automatic Expansion (Cylinder)
7	HC162331	Spring-Extension
8	HC140823	Cap-Coupling
9	HC151148	Motor-1-1/2 HP 115/208-230-1-60 (Beater Motor)
10	HC153190	Belt-Poly V 1397 J12 -Groove
11	HC141073	Sheave-Drive 5/8 Bore .625 OD
12	HC153662	Pulley-Idler Tensioner
13	HC153653	Sheave-1 Bore 14.00 OD
14	HC155145	Condenser-Air 14 x 20 (Air Cooled)
15	HC141072	Shaft-Driven
16	HC153323	Key-Drive 1/4 SQ x 1-1/2
17	HC155063	Drier-Filter 3 cu in Sweat
18	HC155059	Glass-Sight
19	HC155029	Water-Condenser (Water Cooled)
20	HC159033	Blade-Fan 12 in. 24° (Air Cooled)
21	HC155450	Cut Out-High Pressure 450 PSI (Air Cooled)
or	HC155702	Cut Out-High Pressure 375 PSI (Water Cooled)
22	HC120946	Bearing-Assy Rear HC153024 .. Ball-1.00 ID x 2.0472 OD
23	HC151077-01 ...	Motor-Fan 50W 230V 50/60 HZ (Air Cooled)

Not Shown:

HC120606

Tube-Assy. Drain

Not Shown Water Cooled Model:

HC113769

Valve-Assy Water

HC155410 .. Valve-Water 3/8

Not Shown Air Cooled Model:

HC151000

Fan-Axial 230V 212CFM 35W 50/60 (Qty 2)

**Use only original or authorized replacement parts with this freezer.
Use of unapproved parts will void warranty.**

ELECTRO FREEZE Model CS600

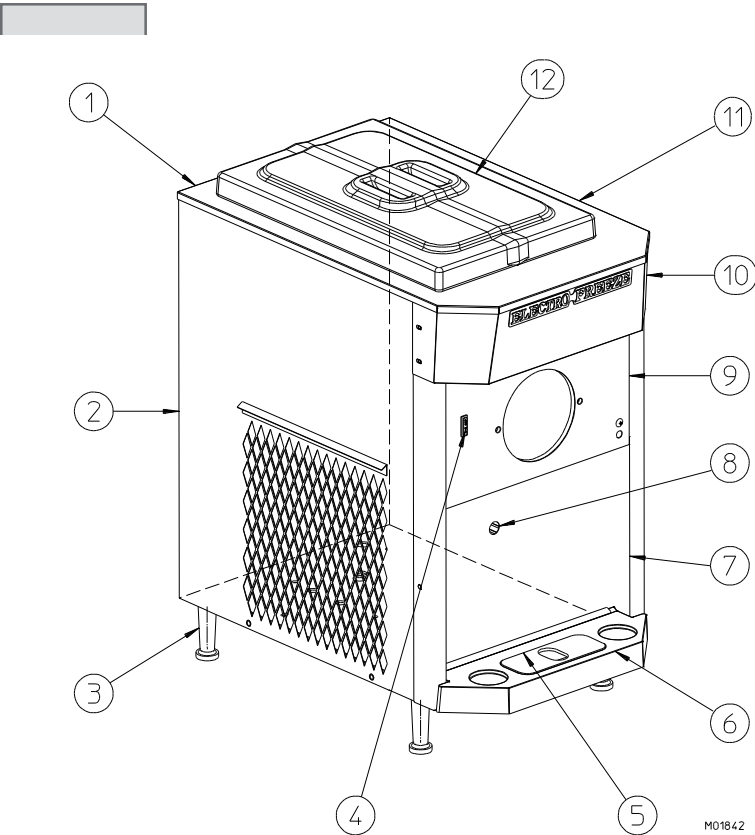


Figure 7 Panel View

CS600 Panel Decals & Labels	
Part No.	Description
HC165025	Beater Warning
HC165234	Cleaning Instructions
HC165084	Clear Overlay
HC165126	Panel Removal
HC164081	Label-Trimstrip
HC165151	Label-Trimstrip (Day/Night)
HC169052	Ventilation 3 in.

Item	Part No.	Description
1	HC141080	Panel-Rear
1A	HC141186-01	Bracket-Utility SS
2	HC141147	Panel-Side LH (Air Cooled)
or	HC141099	Panel-Side LH (Water Cooled)
3	HC118616	Kit - 4in Adj. Leg w/Antislip Pad
	HC162114 ..	Leg-Four Inch Adj.
	HC162130 ..	Pad-Foot Anti Slip
4	HC150541	Light-Indicator 28v ADD MIX
5	HC196261	Cover-Drip Tray
6	HC196260	Tray-Drip
6A	HC140738	Retainer-Drip Tray (Not Shown)
7	HC120932	Panel-Assy. Front
7A	HC159064	Grommet-1.1 OD 7/8 GD x 5/8
		ID (Drain Tube)(Not Shown)
8	HC141180	Panel-Side RH
9	HC141067	Panel-Dispense
10	HC120929	Trimstrip-Assy.
10A	HC165414	Nameplate-Large Electro Freeze
11	HC120641	Panel-Assy. Hopper & Top
12	HC118691	Cover-Assy. Hopper Insulate

Not Shown:

- HC161300 Switch-Level Float Sensor
- HC161301 Float-Level Sensor

Part No.	Description
Not Shown Air Cooled Models	
HC155143	Filter-22 x 19 x 3/8
HC140749	Deflector-Air
	(Left side bottom)
HC139230	Deflector-Panel
	(Left side top)
Not Shown Water Cooled Models	
HC151094	Fan-Axial 19W
HC151095	Guard-Finger

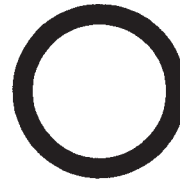
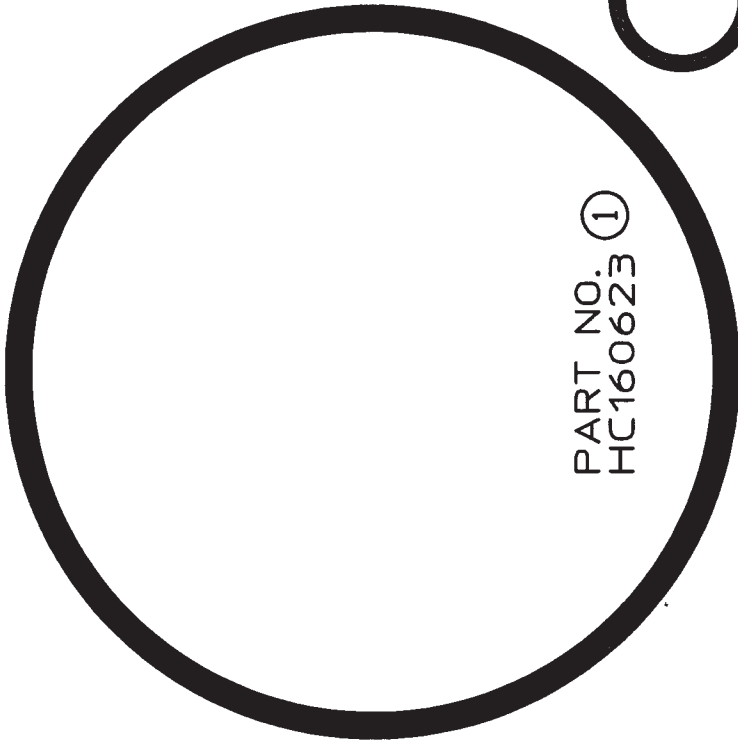
Hardware for Panels		
Panel	Screw	Nut-Speed
Dispense-Top	HC160025	n/a
Dispense-Bottom	HC160076	n/a
Front	HC160048	n/a
Rear	HC160048	n/a
Side	HC159219	n/a
Trimstrip	HC160076	n/a
*N/A - Not Applicable		

Use only original or authorized replacement parts with this freezer.
Use of unapproved parts will void warranty.

Accessories

Part No.	Description
HC158003	Brush-7/16 x 1-1/8 Double End
HC158009	Brush-4 inch w/o Handle (Handle HC158012)
HC158026	Brush-1 inch Dia. 12 in. Long
HC158077	Brush-3/16 inch with 36 inch Handle
HC162200	Cart-CS Stainless
HC184289	Chart-O-ring (Laminated)
HC158051	Cup-Overrun Measuring 1 Pint (use with P/N HC158049 Scale)
HC120991	Diverter-Assy Air (Top Air Discharge Chute)
HC158012	Handle-Brush Fiberglass (for Brush HC158009)
HC158054A	Lubricant-Lubri-Film Plus 4 oz. Tube (per Tube)
HC158014	Sanitizer-Stera-Sheen Case/4 Jars
HC158014A	Sanitizer-Stera-Sheen 4 lb. Jar
HC158049	Scale-Overrun
HC184591	Sheet-Clean & Sanitize CS600
HC169374	Tool-O-Ring Removal

**Use only original or authorized replacement parts with this freezer.
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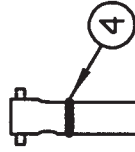
PART NO. ②
HC160624



PART NO. ④
HC160611



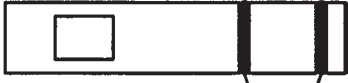
PART NO. ③
HC160621



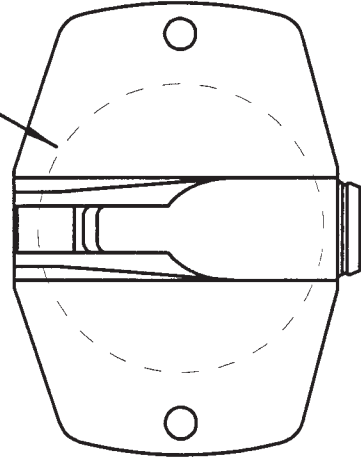
③

DO NOT
LUBRICATE #3

②



①



O-RING CHART

Alphabetized Parts List for Model CS600

IMPORTANT:

All parts shown are for standard models designed for 208-230v/60Hz/1phase.

PART DESCRIPTION	PART NUMBER	QTY	SERIAL NUMBER (FROM – TO)
Ball-1.00 ID x 2.0472 OD	HC153024	1	D2Q-1577 -
Bar-Breaker 15.35	HC138203	1	D2Q-1577 -
Bearing-Assy Rear	HC120946	1	D2Q-1577 -
Bearing-Ball 1.00 ID X 2.0472 OD	HC153024	2	D2Q-1577 -
Bolt-Carriage 5/16-18X3 ZN	HC160415	2	D2Q-1577 -
Nut-HEX 5/16-18 ZN	HC160105	2	D2Q-1577 -
Spacer-Rear Bearing	HC130189	2	D2Q-1577 -
Stamping-Main	HC153026	2	D2Q-1577 -
Stamping-Retainer Plate	HC153025	2	D2Q-1577 -
Washer-Lock 5/16 ZN	HC160142	2	D2Q-1577 -
Belt-Poly V 1397 J12 -Groove	HC153190	1	D2Q-1577 -
Blade-Fan 12" 24° (Air Cooled)	HC159033	1	D2Q-1577 -
Blade-Scraper	HC141009	2	D2Q-1577 -
Block-Terminal	HC150591	2	D2Q-1577 -
Board-Assy. Torque Monitor Shake/SS	HC120969	1	D2Q-1577 -
Bracket-Utility	HC141186-01	1	D2Q-1577 -
Brush-9/16" Dia. x 36" Handle (Mix Feed Assy.)	HC158077	1	D2Q-1577 -
Brush-4" w/o handle (Cylinder) (use w/HC158012) ..	HC158009	1	D2Q-1577 -
Brush-7/16" & 1-1/8" Double End	HC158003	1	D2Q-1577 -
Brush-1" dia. 12" long (Drain Tube)	HC158026	1	D2Q-1577 -
Cart-CS Stainless (Optional)	HC162200	1	D2Q-1577 -
Cap-Coupling	HC140823	1	D2Q-1577 -
Capacitor-Run (Beater Motor)	HC150244	1	D2Q-1577 -
Capacitor-Start (Beater Motor)	HC151414	1	D2Q-1577 -
Chart-O Ring (Laminated)	HC184289	*	D2Q-1577 -
Chute-Discharge Top Air (Diverter-Assy Air)(Optional)	HC120991	1	D2Q-1577 -
Circuit Breaker 10.0A	HC150958	1	D2Q-1577 -
Clamp-Hose (Capacitor Box)	HC160743	1	D2Q-1577 -
Coil-Solenoid 208-240V MKC 1TS	HC151477	2	D2Q-1577 -
* As Required			
** LH or RH — Left or right hand is determined as you face the front of the freezer.			
NLA No Longer Available			

**Use only original or authorized replacement parts with this freezer.
Use of unapproved parts will void warranty**

Alphabetized Parts List for Model CS600

IMPORTANT:

All parts shown are for standard models designed for 208-230v60Hz/1phase.

PART DESCRIPTION	PART NUMBER	QTY	SERIAL NUMBER (FROM – TO)
Compressor Assy.			
w/Start Components	HC120982	1	D2Q-1577 -
Capacitor-Run	HC150244	1	D2Q-1577 -
Capacitor-Start	HC151414	1	D2Q-1577 -
Drier-Filter 3 cu. in. Sweat	HC155063	1	D2Q-1577 -
Grommet-Compressor Mounting	HC151478	4	D2Q-1577 -
Relay-Compressor Start	HC151474	1	D2Q-1577 -
Sleeve-Compressor Mounting	HC151479	4	D2Q-1577 -
Condenser-14 x 14 (Air Cooled)	HC155140	1	D2Q-1577 - E2Q
Condenser-14 x 20 (Air Cooled)	HC155145	1	E2Q -
Condenser-Water (Water Cooled)	HC155029	1	D2Q-1577 -
Contacto-Mini 3P, 1 AUX,24 V(Compressor/Beater)	HC150095	2	D2Q-1577 -
Cord-Molded Plug 20A, 250V	HC150605	1	D2Q-1577 -
Cover-Assy. Hopper Insulate (Black)	HC118691	1	D2Q-1577 -
Cover-Drip Tray	HC196261	1	D2Q-1577 -
Cup-Overrun Measuring 1 Pint (use with P/N HC158049 scale)	HC158051	*	D2Q-1577 -
Cut Out-High Pressure 375 PSI (WaterCooled)	HC155702	1	D2Q-1577 -
Cut Out-High Pressure 450 PSI (Air Cooled)	HC155450	1	D2Q-1577 -
Cylinder-Assy. Complete	HC120639	1	D2Q-1577 -
Decal-Beater Warning	HC165025	1	D2Q-1577 -
Decal-Blade Installation	HC164031	1	D2Q-1577 -
Decal-Cleaning Instructions	HC165234	1	D2Q-1577 -
Decal-Clear Overlay 2" x 3-1/4"	HC165084	1	D2Q-1577 -
Decal-Panel Removal	HC165126	3	D2Q-1577 -
Decal-Trimstrip	HC165151	1	D2Q-1577 -
Decal-Ventilation 3 inch	HC169052	1	D2Q-1577 -
Deflector-Air (Left side bottom)	HC140749	1	D2Q-1577 -
Deflector-Panel (Left side top)	HC139230	1	D2Q-1577 -
Diverter-Assy Air(Top Air Discharge Chute)(Optional)	HC120991	1	D2Q-1577 -
* As Required ** LH or RH — Left or right hand is determined as you face the front of the freezer. NLA No Longer Available			

**Use only original or authorized replacement parts with this freezer.
Use of unapproved parts will void warranty.**

Alphabetized Parts List for Model CS600

IMPORTANT:

All parts shown are for standard models designed for 208-230v/60Hz/1phase.

PART DESCRIPTION	PART NUMBER	QTY	SERIAL NUMBER (FROM – TO)
Drier-Filter 3 cu in Sweat	HC155063	1	D2Q-1577 -
Fan-Axial 19W (Water Cooled)	HC151094	1	D2Q-1577 -
Fan-Axial 230V 212CFM 35W 50/60 (Air Cooled) ..	HC151000	2	E2Q -
Filter-22 x 19 x 3/8 (Air Cooled)	HC155143	1	D2Q-1577 -
Float-Level Sensor	HC161301	1	D2Q-1577 -
Glass-Sight	HC155059	1	D2Q-1577 -
Grommet-1.1 OD 7/8 GD x 5/8 ID (Drain Tube)	HC159064	1	D2Q-1577 -
Grommet-Compressor Mounting	HC151478	4	D2Q-1577 -
Guard-Finger (Water Cooled)	HC151095	1	D2Q-1577 -
Guide-Assy. Push Rod (Plunger Rod)	HC115684	1	D2Q-1577 -
Handle-Assy. Dispense Complete	HC116323	1	D2Q-1577 -
Handle-Brush Fiberglass 36" (for Brush HC158009)	HC158012	1	D2Q-1577 -
Head-Dispense Assy.	HC119199	1	D2Q-1577 -
Handle-Assy. Dispense (Stainless Steel)	HC116323	1	D2Q-1577 -
Head-Dispense	HC119162	1	D2Q-1577 -
Nozzle-Dispense	HC196167	1	D2Q-1577 -
O-Ring (Head)	HC160623	1	D2Q-1577 -
O-Ring (Plunger)	HC160624	2	D2Q-1577 -
Pin-Handle	HC160265	1	D2Q-1577 -
Plunger-Dispense	HC137807	1	D2Q-1577 -
Insert-Assy. Mix Feed	HC120664	1	D2Q-1577 -
Insulator-Expansion Valve	HC165531	2	D2Q-1577 -
Key-Drive 1/4" sq x 1-1/2" (Drive Shaft)	HC153323	1	D2Q-1577 -
Kit 4 in. Adj. Leg w/ Antislip Pad.	HC118616	4	D2Q-1577 -
Leg-Four Inch Adj.	HC162114	4	D2Q-1577 -
Pad-Foot Anti Slip	HC162130	4	D2Q-1577 -
Knob-Hand (Head)	HC162625	2	D2Q-1577 -
* As Required ** LH or RH — Left or right hand is determined as you face the front of the freezer. NLA No Longer Available			

Use only original or authorized replacement parts with this freezer.
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Alphabetized Parts List for Model CS600

IMPORTANT:

All parts shown are for standard models designed for 208-230v60Hz/1phase.

PART DESCRIPTION	PART NUMBER	QTY	SERIAL NUMBER (FROM – TO)
Knob-Oval Tapered (Stainless Steel Handle)	HC162627	1	D2Q-1577 -
Label-Trimstrip (Day/Night Switch)	HC165151	1	D2Q-1577 -
Label-Trimstrip (Switches)	HC164081	1	D2Q-1577 -
Light-Indicator 28v "Add Mix"	HC150541	1	D2Q-1577 -
Lubricant-Lubri-Film Plus 4 oz. Tube	HC158054A	*	D2Q-1577 -
Manual-Operators CS600 (Instruction)	HC184596	1	D2Q-1577 -
Motor-Beater 1-1/2 HP 115/208-340-2-60	HC151148	1	D2Q-1577 -
Motor-Fan 50w 230V 50/60 HZ (Air Cooled)	HC151077-01 ..	1	D2Q-1577 -
Nameplate-Electro Freeze Large	HC165414	1	D2Q-1577 -
Nozzle-Dispense	HC196167	1	D2Q-1577 -
O-Ring (Head)	HC160623	1	D2Q-1577 -
O-Ring (Plunger)	HC160624	2	D2Q-1577 -
O-Ring (Regulator Mix Feed)	HC160611	1	D2Q-1577 -
O-Ring (Mix Feed Tube)	HC160621	2	D2Q-1577 -
Pad-Foot Anti Slip (Leg Assembly)	HC162130	4	D2Q-1577 -
Panel-Assy. Front	HC120932	1	D2Q-1577 -
Panel-Dispense	HC141067	1	D2Q-1577 -
Panel-Assy. Hopper and Top	HC120641	1	D2Q-1577 -
Panel-Rear	HC141080	1	D2Q-1577 -
Panel-Side LH** (Air Cooled) (used with 14x14 Condenser)	HC140659	1	D2Q-1577 - E2Q
Panel-Side LH** (Air Cooled)	HC141147	1	E2Q -
Panel-Side LH** (Water Cooled)	HC141099	1	D2Q-1577 -
Panel-Side RH**	HC140658	1	D2Q-1577 - E2Q
Panel-Side RH**	HC141180	1	E2Q -
* As Required ** LH or RH — Left or right hand is determined as you face the front of the freezer. NLA No Longer Available			

**Use only original or authorized replacement parts with this freezer.
Use of unapproved parts will void warranty.**

Alphabetized Parts List for Model CS600

IMPORTANT:

All parts shown are for standard models designed for 208-230v/60Hz/1phase.

PART DESCRIPTION	PART NUMBER	QTY	SERIAL NUMBER (FROM – TO)
Pin-Handle	HC160265	1	D2Q-1577 -
Plunger-Dispense	HC137807	1	D2Q-1577 -
Pulley-Assy. Idler Tensioner	HC120588	1	D2Q-1577 -
Pulley-Idler Tensioner	HC153662	1	D2Q-1577 -
Pulley	See "Sheave"		
Regulator (Insert)-Mix Feed Tube	HC120664	1	D2Q-1577 -
Relay-Compressor Start	HC151474	1	D2Q-1577 -
Relay-Control Flange 3PDT 24V	HC150341	1	D2Q-1577 -
Relay-Control Flange DPDT 24VAC	HC150343	1	D2Q-1577 -
Rod-Plunger Switch (Actuator Button)	HC137760	1	D2Q-1577 -
Rod-Actuator (Head Assembly)	HC138611	1	D2Q-1577 -
Sanitizer-Stera Sheen Sample	HC158013	*	D2Q-1577 -
Sanitizer-Stera Sheen 4 lb. Jar	HC158014A	*	D2Q-1577 -
Sanitizer-Stera Sheen Case/4 Jars	HC158014	*	D2Q-1577 -
Scale-Overrun	HC158049		
Screw-SK Set 1/4-20 x 1/4 ZN (Drive Shaft)	HC160056	2	D2Q-1577 -
Screw-TRPM #8-32 x 3/8 SST (Top Dispense Panel)	HC160025	2	D2Q-1577 -
Screw-TRPM #10-24 x 1/2 SST (Bottom Dispense Panel & Trimstrip)	HC160076	6	D2Q-1577 -
Screw-TRPM 1/4-20 x 1/2 SST (Front & Rear Panels)	HC160048	8	D2Q-1577 -
Screw-TRPM 1/4-20 x 1 SST (Side Panels)	HC159219	8	D2Q-1577 -
Seal-Assy. Shaft Double (Beater Shaft)	HC115525	1	D2Q-1577 -
Seal-Beater Shaft	HC160557	2	D2Q-1577 -
Washer-Shaft Seal	HC137593	1	D2Q-1577 -
Shaft-Assy. Beater	HC120935	1	D2Q-1577 -
Shaft-Driven	HC141072	1	D2Q-1577 -
* As Required ** LH or RH — Left or right hand is determined as you face the front of the freezer. NLA No Longer Available			

**Use only original or authorized replacement parts with this freezer.
Use of unapproved parts will void warranty**

Alphabetized Parts List for Model CS600

IMPORTANT:

All parts shown are for standard models designed for 208-230v60Hz/1phase.

PART DESCRIPTION	PART NUMBER	QTY	SERIAL NUMBER (FROM – TO)
Sheave-1" Bore 14.00" OD (Driven Pulley)	HC153653	1	D2Q-1577 -
Sheave-5/8" Bore 6.25" OD (Drive Pulley)	HC141073	1	D2Q-1577 -
Sheet-Clean & Sanitize CS600	HC184951	1	D2Q-1577 -
Sight-Glass	HC155059	1	D2Q-1577 -
Sleeve-Compressor Mounting	HC151479	4	D2Q-1577 -
Spring-Extension	HC162331	1	D2Q-1577 -
Spring-Plunger Rod	HC162303	1	D2Q-1577 -
Stop-Terminal Block End (Cover) (Electric Box)	HC150594	2	D2Q-1577 -
Stud-Assy. Cylinder 2-1/16"	HC114341-06 ...	2	D2Q-1577 -
Switch-Assy. Plunger	HC116613	1	D2Q-1577 -
Switch-Level Float Sensor	HC161300	1	D2Q-1577 -
Switch-Snap Button (Head & Plunger)	HC150456	2	D2Q-1577 -
Switch-Toggle DPDT "AUTO-OFF-CLEAN"	HC150465	1	D2Q-1577 -
Switch-Toggle SPST "DAY-NIGHT"	HC159235	1	D2Q-1577 -
Thermostat & Retainer Kit (Day/Night)	HC119989	2	D2Q-1577 -
Thermostat-5° Fixed Differential (Hopper)	HC161202	1	D2Q-1577 -
Tool-O-Ring Removal	HC169374	*	D2Q-1577 -
Transformer 75VA / 24VAC / MURD	IC574100325 ...	1	D2Q-1577 -
Transformer-Current	IC574100349 ...	1	D2Q-1577 -
Tray-Drip	HC196260	1	D2Q-1577 -
Trimstrip-Assy	HC120929	1	D2Q-1577 -
Tube-Assembly Mix Feed .188 with Regulator	HC120947	1	D2Q-1577 -
Insert-Assy. Mix Feed .188 Orifice	HC116005	1	D2Q-1577 -
Tube-Mix Feed	HC141092	1	D2Q-1577 -
O-Ring	HC160611	1	D2Q-1577 -
O-Ring	HC160621	2	D2Q-1577 -
Tube-Assy. Drain	HC120606	1	D2Q-1577 -
Valve-Access	HC155419	1	D2Q-1577 -
Valve-Core (Access)	HC155649	1	D2Q-1577 -
* As Required ** LH or RH — Left or right hand is determined as you face the front of the freezer. NLA No Longer Available			

Use only original or authorized replacement parts with this freezer.
Use of unapproved parts will void warranty.

Alphabetized Parts List for Model CS600

IMPORTANT:

All parts shown are for standard models designed for 208-230v/60Hz/1phase.

PART DESCRIPTION	PART NUMBER	QTY	SERIAL NUMBER (FROM – TO)
Valve-Auto Expansion (Cylinder)	HC155490	1	D2Q-1577 -
Valve-Auto Expansion (Hopper)	HC155449	1	D2Q-1577 -
Valve-Solenoid Body 3/8 ODM (Body Only)	HC155395	2	D2Q-1577 -
Valve-Solenoid Coil Only 208-240V MKC 1TS	HC151477	2	D2Q-1577 -
Valve-Assy. Water	HC113769	1	D2Q-1577 -
Valve-Water 3/8	HC155410	1	D2Q-1577 -
Washer-Shaft Seal	HC137593	1	D2Q-1577 -
* As Required ** LH or RH — Left or right hand is determined as you face the front of the freezer. NLA No Longer Available			

**Use only original or authorized replacement parts with this freezer.
Use of unapproved parts will void warranty**

Cleaning & Sanitizing Electro Freeze® CS600

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.

DRAINING PRODUCT

1. Remove the mix feed tube from the hopper.
2. Place the selector switch to the "CLEAN" position. Allow beater to run for 5 minutes to soften product.
3. Dispense the product into a clean sanitized container until the mix hopper is nearly empty.
4. Place the selector switch to "OFF" position and drain remaining product. Close the plunger.
5. Pour 2 gallons (7.6 liters) of cold water into the hopper. Place the selector switch to "CLEAN" and dispense the cold water.
Important: DO NOT use hot water. Damage to the freezer could occur.
6. Follow with 2 gallons (7.6 liters) of warm water and repeat until the freezer dispenses clear water. Place the selector switch in the "OFF" position and drain remaining water.
7. Prepare 2 gallons (7.6 liters) of sanitizing solution in a container. Sanitizing solution must be mixed according to manufacturer's instructions to yield 100 ppm available chlorine solution (example: Stera-Sheen Green Label).
8. Pour the sanitizing solution into the hopper pan. Using a clean brush scrub the hopper walls, sensor and port.
9. When cylinder is filled, place the selector switch to "CLEAN" and allow the beaters to run for 5 minutes. Check for leaks.
Important: Do not use the "AUTO" position with sanitizer in the cylinder. The freezer will be damaged.
10. Place an empty container under the dispensing head. Slowly open the plunger to drain the sanitizer. Open and close handle, place selector switch "OFF" and drain remaining sanitizer.

DISASSEMBLY

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. Some freezers have more than one disconnect switch.

Disassemble the freezer components in accordance with the Operator's Manual instructions.

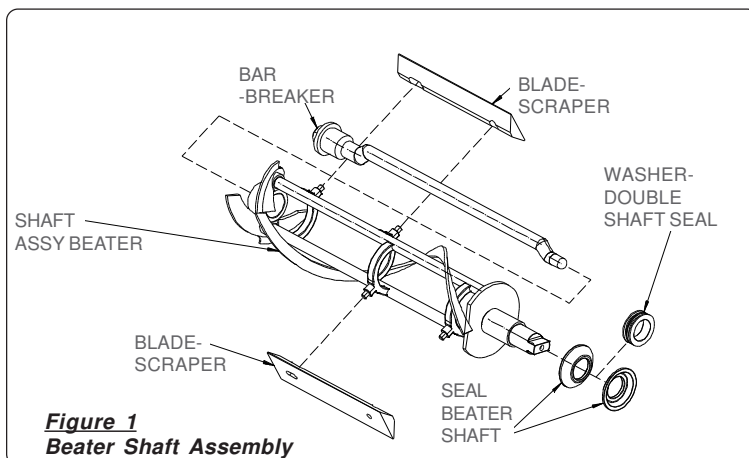


Figure 1
Beater Shaft Assembly

CLEANING

1. 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).
2. Disassemble all parts and remove all o-rings. Clean each part with the appropriate brush supplied with freezer.
3. Wash, rinse, and sanitize all parts removed from the freezer. For proper sanitizing, the parts must remain in the sanitizer for 5 minutes.
4. Place all parts on a clean dry surface to air dry.
5. Go to the freezer and use a dish detergent solution to thoroughly brush the inside of the hopper, the mix feed port to the cylinder and the drain tube. Also brush the inside of the cylinders with the appropriate brush supplied with the freezer, making certain to clean the back walls of the cylinders. Then rinse and brush with sanitizing solution.

ASSEMBLY

1. Assemble and lubricate freezer components in accordance with the Operator's Manual instructions. See figures 1 and 2.

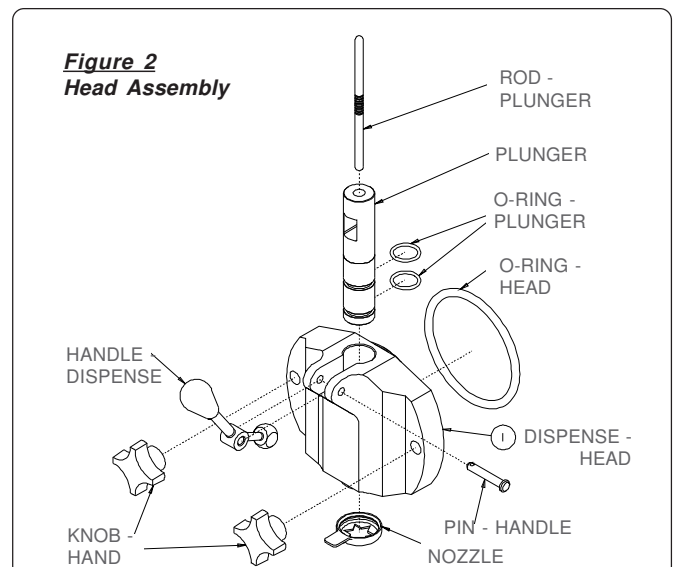


Figure 2
Head Assembly

SANITIZING

1. Wash and sanitize your hands and forearms.
2. 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).
3. Place the mix feed tube assembly and mix float in the bottom of the hopper pan.
4. Pour sanitizing solution into the hopper and allow cylinder to fill. Using a clean brush scrub all sides of the mix hopper, mix level sensor, mix float, the mix feed tube, and the mix feed port from the hopper to the cylinder.
5. Install mix float on mix level sensor. Brush the inside of the hopper cover with sanitizing solution.
6. When the cylinder has filled with sanitizing solution, reconnect power, place the selector switch in 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.

Important:

Do not use the "AUTO" position with sanitizer in the cylinder. The freezer will be damaged.

7. Place an empty container under the dispensing head. Place the selector switch "OFF" 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 while draining to sanitize the port area of the dispense head.
8. Sanitizer can be used to sanitize product preparation container.

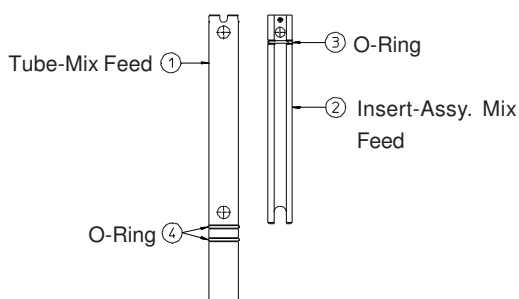


Figure 3
Mix Feed Tube Assembly

PRIMING

Priming the freezer removes all excess air and sanitizer from the freezing cylinder and sets the proper overrun for the first cylinder of product.

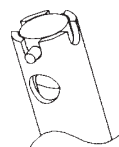
1. Wash and sanitize your hands and forearms.
Note: Always have clean, sanitized hands when handling mix feed assemblies. Handle only the top 1" (2.5cm) of mix feed.
2. Place an empty container under the dispense head. Install the mix feed tube assembly (see figure 3) in the "closed" position into the mix feed drain in the hopper (see figure 4). Pour a minimum of 2-1/2 gallons (9.5 liters) of mix into the hopper. Hold plunger open and remove mix feed tube and allow mix to push out the sanitizer. When pure mix flows from the dispense head close the plunger. Install the mix feed tube into the mix feed hopper drain in the "open" position as shown in figure 4 and place the selector switch to the "Auto" position.

Important:

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

3. Install the hopper cover.
4. During long idle periods, the white insert tube should be closed — **but remember — when dispensing product, ensure that the mix feed insert is OPEN at all times.** If not open, the flow of mix will be restricted. If lubricant blocks the inlet hole in the tube it would also restrict the flow of mix.

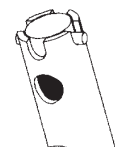
Pin is in line with hole.



OPEN

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

Pin is not in line with hole.



CLOSED

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

Figure 4
Mix Feed Tube

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.

ELECTRO FREEZE

Part No. HC184591, Rev. 03 8/12