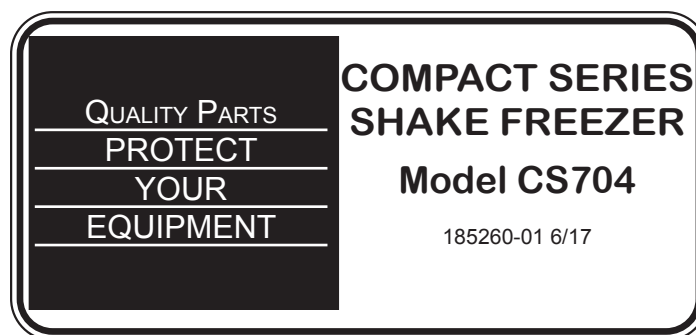
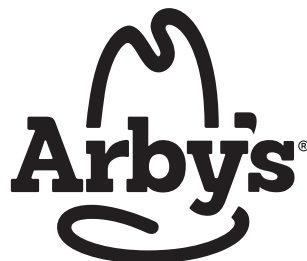




REPLACEMENT PARTS MANUAL

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.

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.

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

Name: _____

Address: _____

Phone: _____

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

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

FAX: (309) 755-9858



E-mail: service@electrofreeze.com

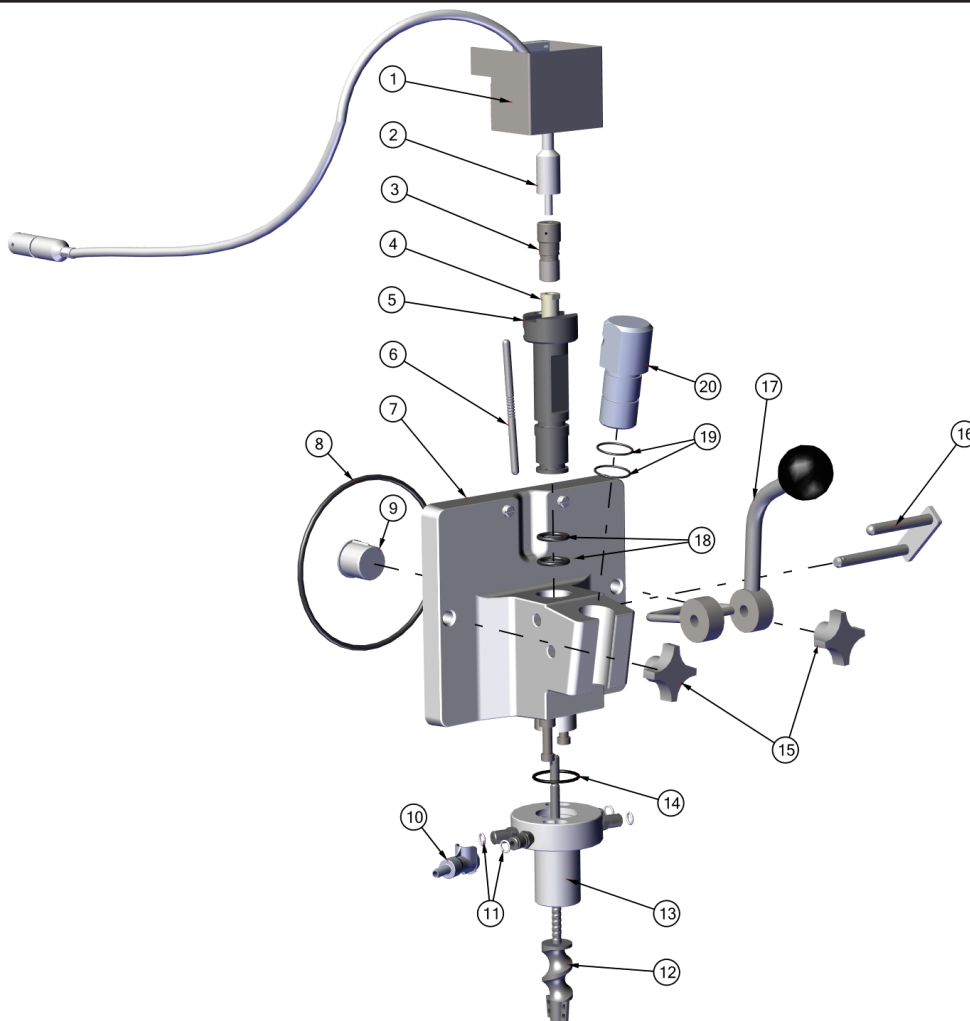
Table of Contents

ILLUSTRATIONS

Figure 1	Head Assembly	2
Figure 2	Beater Shaft Assembly	3
Figure 3	Mix Feed Tube Assembly	4
Figure 4	Plunger Box	5
Figure 5	Switch Assembly	6
Figure 6	Electrical Box	7
Figure 7	Syrup System	8
Figure 8	Panel View	10
Figure 9	Side/Rear View	12
Figure 10	Drive Shaft & Bearing Assembly	14

OTHER LISTS and INFORMATION

Accessories	15
O-Ring Chart	16
Clean & Sanitizing Sheet.....	17
Syrup System Sheet.....	19
Alphabetized Parts List	21

Figure 1 Head Assembly

Item	Part No.	Description
*	HC121006-03	Head - Assy. Complete 4 Flavor
1	HC121020	Cover - Assy Flex Shaft
2	HC153422-02	Shaft - Flexible 33-3/4"
3	HC121008-02	Connect - Assy Drive
4	HC141151	Bushing - Mixer Shaft
5	HC141150	Plunger - Dispensing 5 Fl
6	HC138611	Rod - Actuator
7	HC121005	Head - Assy. w/Posts 5 FL SH
8	HC160622	O-ring (Head)
9	HC196072	Bushing - Beater Bearing
10	HC160771	Coupling - Body 1/4 Flow 1/4 Barb Shutoff
11	HC160650	O-ring (Mix Chamber)
12	HC196291	Shaft - Assy. Mix
13	HC121106-02	Chamber - Assy. Mix
	HC141148-02	Chamber - Mix
	HC121061	Coupling - Assy Insert
	HC160650	O-ring

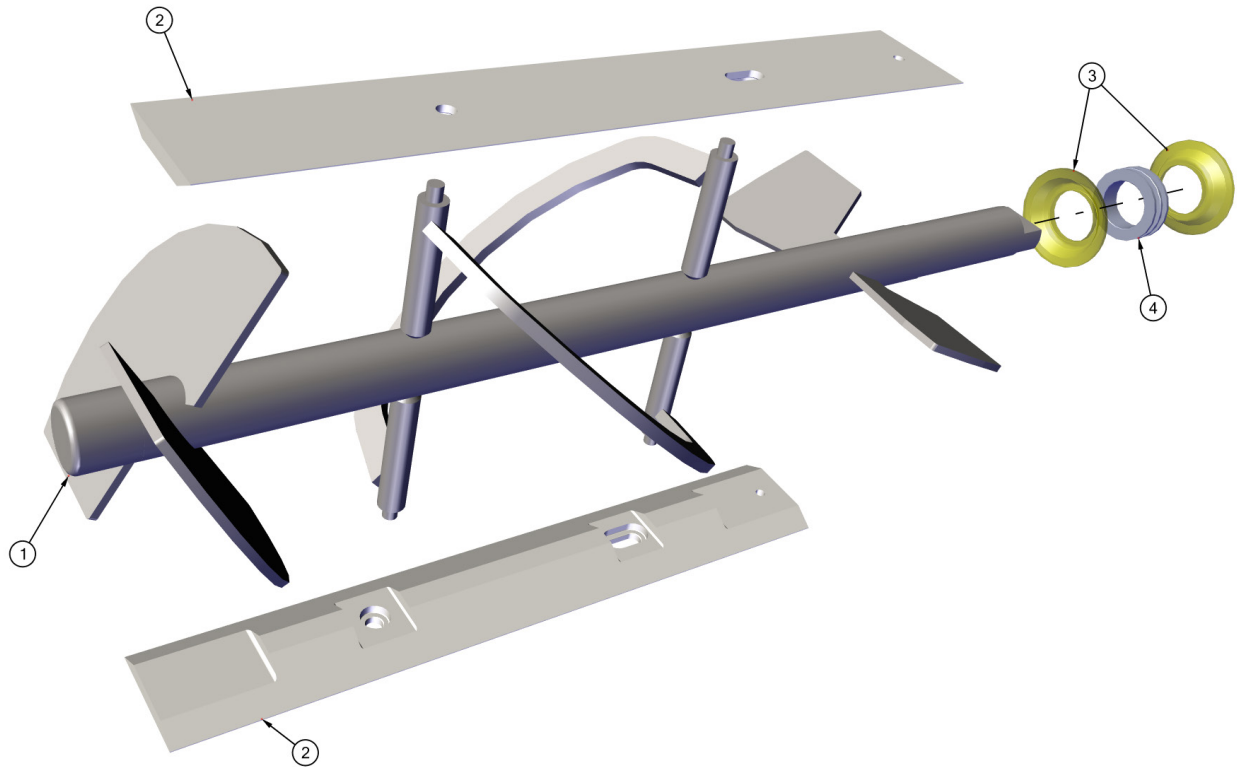
Item	Part No.	Description
14	HC160650	O-ring (Mix Chamber)
15	HC162625	Knob - Hand
16	HC113435	Keeper - Assy. Spindle
17	HC121019-01	Handle - Assy. Disp. Complete
	HC162629	Knob - Ball 3/8
18	HC160582	O-ring (Plunger)
19	HC160555	O-ring (Pivot Post)
20	HC135182	Post - Pivot

Not Shown:

HC114341..... Stud - Assy. Cylinder 1 - 15/16"
 HC151149..... Motor - Shake 44W 230v FWR

* Includes Items 2-5, 9, 11-15, 17-18.

Figure 2 Beater Shaft Assembly

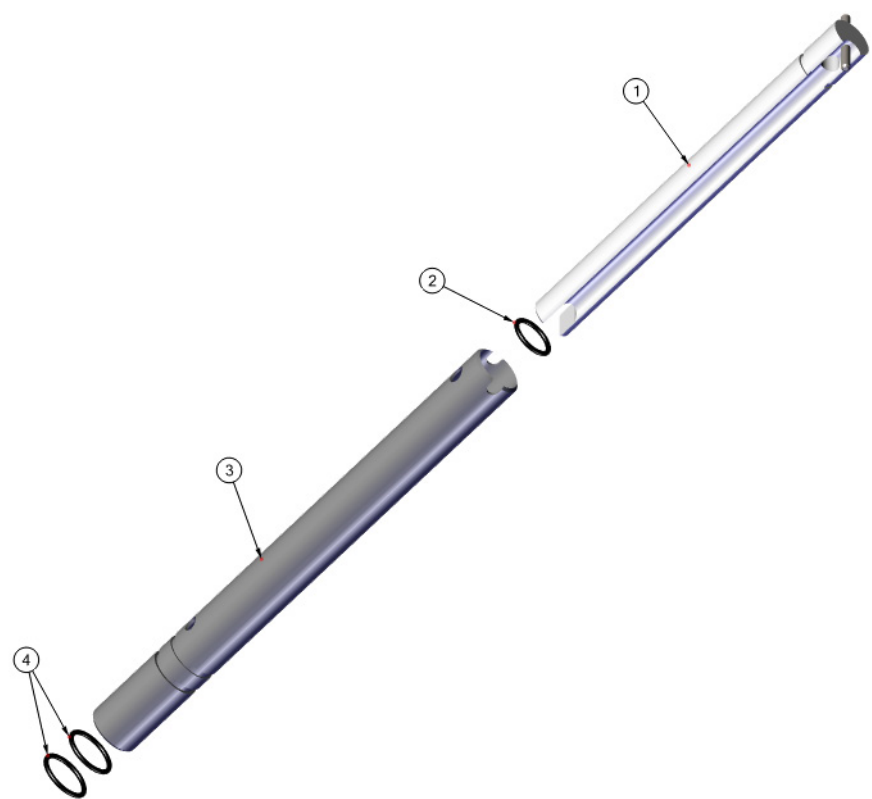


Item	Part No.	Description
1	HC118708	Beater - Assy. Shake Short
2	HC137362	Blade - Scraper Shake Non Rev
3*	HC137593	Washer - Double Shaft Seal
4*	HC160557	Seal - Beater Shaft

* Can be ordered together

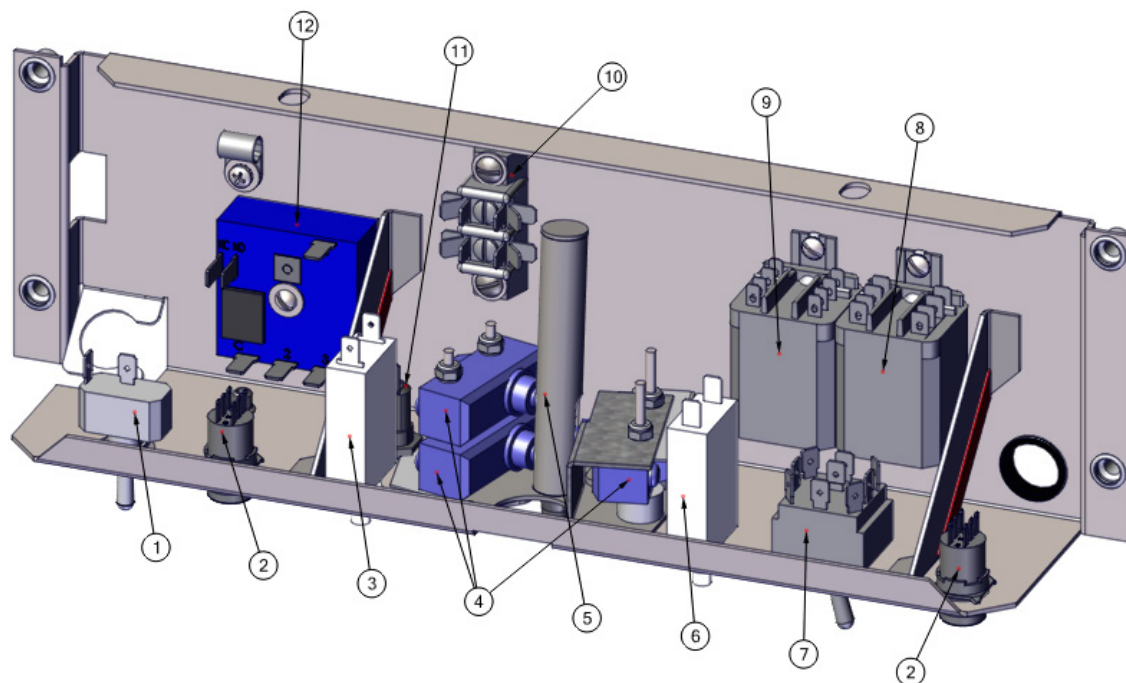
HC115525 Seal - Assy. Shaft Double

Figure 3 Mix Feed Tube Assembly

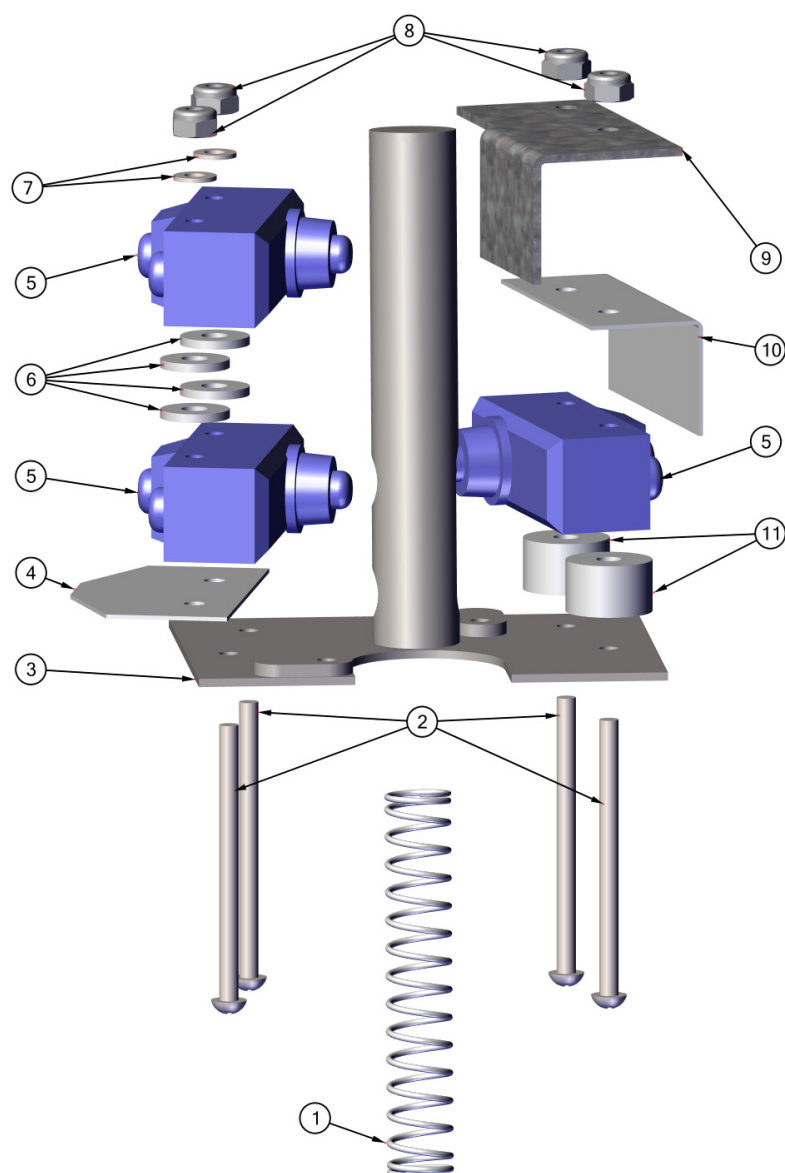


Item	Part No.	Description
*	HC121025	Tube - Assy. Mix Feed .218
1	HC120664	Insert - Assy. Mix Feed (Regulator)
2	HC160611	O - ring (Insert - Regulator)
3	HC141175	Tube - Mix Feed .218 Orifice
4	HC160621	O - ring (Mix Feed Tube)

* Includes items 1 through 4.

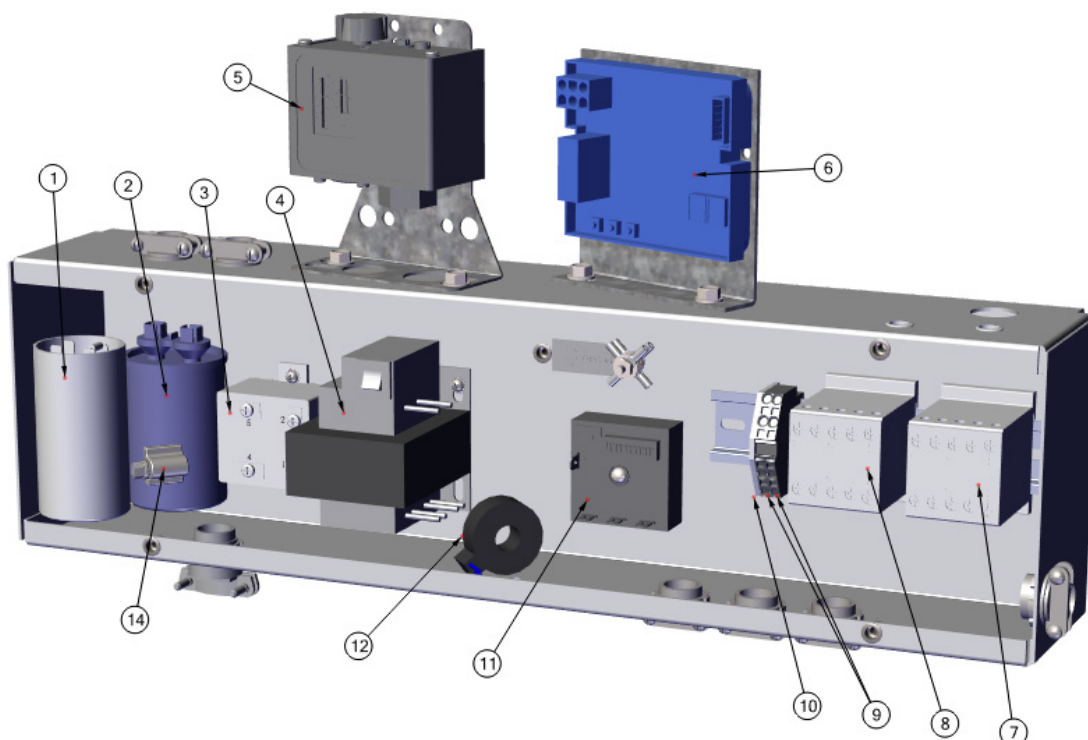
Figure 4 Plunger Box

Item	Part No.	Description
1	HC159235	Switch - Toggle SPST
2	HC150971	Switch - Push DPDT MOM Black
3	HC150984	Breaker - Circuit 0.7A
4	HC150456	Switch - Snap Button
5	HC121011-01	Switch - Assy. Plunger (See Figure 5)
	HC162303	Spring - Plunger Rod
	HC150456	Switch - Snap Button
6	HC150452	Breaker - Circuit 4.5A
7	HC150465	Switch - Toggle 3PDT Center Off
8	HC150343	Relay - Control Flange 3PDT 24VAC
9	HC150381	Relay - Flange Base w/Cover
10	HC150798	Terminal - Strip
11	HC150802	Fuseholder - Panel 1/4 X 1 1/4
11A	HC150985	Fuse - Fast AGC 1.0A 1/4 x 1 - 1/4
12	HC150072	Timer - DOB Relay .1-3 SEC 230V

Figure 5 Switch Assembly

Item	Part No.	Description
*	HC121011-01	Switch - Assy. Plunger Shake Pres
1	HC162303	Spring - Plunger Rod
2	HC159973	Screw - RDHM #6 - 32 x 2 ZN
3	HC121012-01	Switch - Assy Plunger Weldment
4	HC137798	Insulator - Switch
5	HC150456	Switch - Snap Button
6	HC160157	Washer - 1/2 x .196 x 1/16
7	HC160393	Washer - Flat #6 Brass
8	HC160199	Nut - El Stop #6 - 32 ZN
9	HC141209	Guard - Switch Assy.
10	HC139175	Insulator - Switch
11	HC137765-01	Spacer - .375 Long

* Includes all items above.

Figure 6 Electrical Box

Item	Part No.	Description
1	HC154931-02	Capacitor - Start
2	HC151463	Capacitor - Run
3	HC154931-03	Relay - Compressor Start
4	IC574100325	Transformer - 75VA / 24VAC / MURD
5	HC119989	Kit - Thermostat & Retainer
6	HC150890	Rectifier - Bridge
7	HC150967-01	Control - Speed 230VAC to DC Motor
8	HC120603	Board - Assy. Torque Monitor Shake
9	HC160743	Clamp - Hose 3 - 1/6 to 4
10	IC574100349	Transformer - Current
11	HC120095	Kit - Recyle Timer Wiring Instructions
12	HC150097-01	Relay - Miniature DPDT 230V Coil
13	HC150098	Socket - Miniature Relay DPDT
13A	HC150166	Clip - Miniature Relay Retaining
14	HC150594	Stop - Terminal Block End (Cover)
15	HC150591	Block - Terminal
16	HC150095	Contactors - Mini 3P (Beater Motor)
17	HC150095	Contactors - Mini 3P (Compressor)

Figure 7 Syrup System View (Sheet 1 of 2)

VIEW FROM BACK SIDE OF HC121066-03 BUCKET-ASSY FLAVOR PUMPS

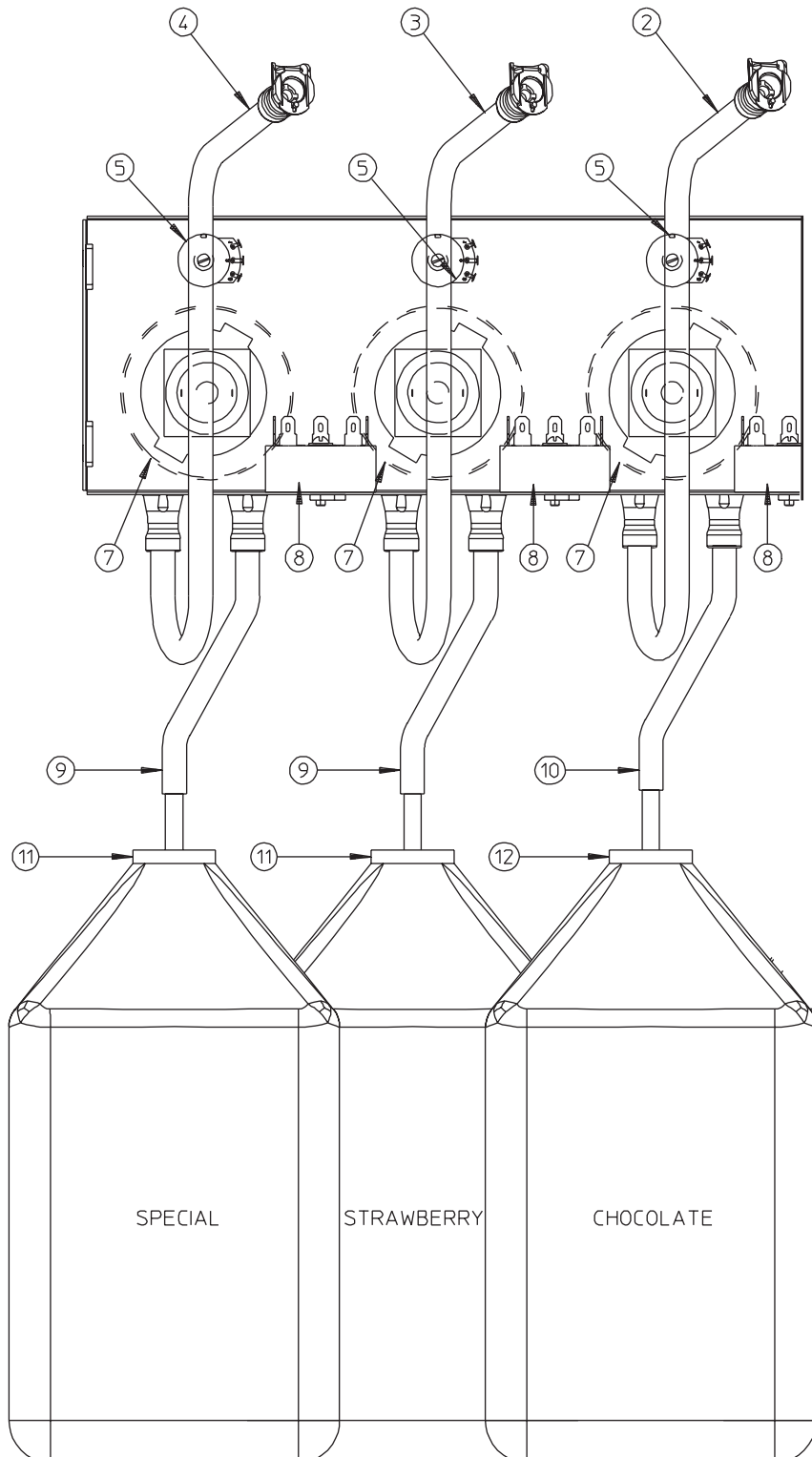


Figure 7 Syrup System View (Sheet 1 of 2)

Item	Part No.	Description
1	HC121100	Kit - Tube Assy. Syrup Yellow and Coupling
2	HC121101	Kit - Tube Assy. Syrup Brown and Coupling
3	HC121102	Kit - Tube Assy. Syrup Red and Coupling
4	HC121103	Kit - Tube Assy. Syrup Blue and Coupling
5	HC150966	Potentiometer - 100K OHM 1 - Turn
6	HC150982	Housing - Plug 2/Ears 5 Circuit
7	HC169101	Pump - Peristaltic Syrup 24VDC
8	HC150967	Control - Speed 24VAC to DC Motor
9	HC121039	Tube - Assy. Syrup Pick - up
10	HC121039-01	Tube - Assy. Syrup Pick - up 3/8 (Chocolate)
11	HC141173	Cap - Bottle Gal Punched
11A	HC199050	Boot - Syrup Bottle (Black) (not shown)
12	HC141173-01	Cap - Bottle Gal Punched 7/16 (Chocolate)

Not Shown:

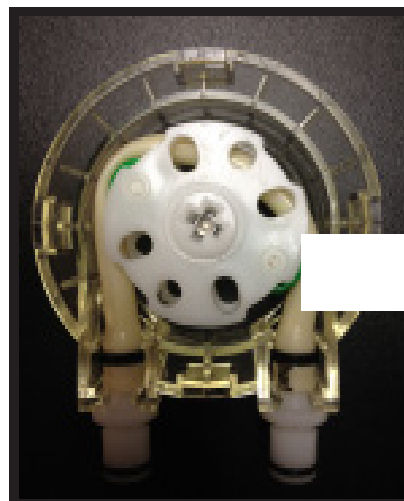
HC121094	Tube - Assy Water Line
HC161032	Filter - In Line 3/8NPT Wtr 100 Mesh
HC160720	Clamp - Hose 7/32 to 5/8 (Water line)
HC196109	Beaker 150ml

Coupling-Assy. Insert-1/4 Flow
1/8 NPT (also used in calibration
process) HC160770



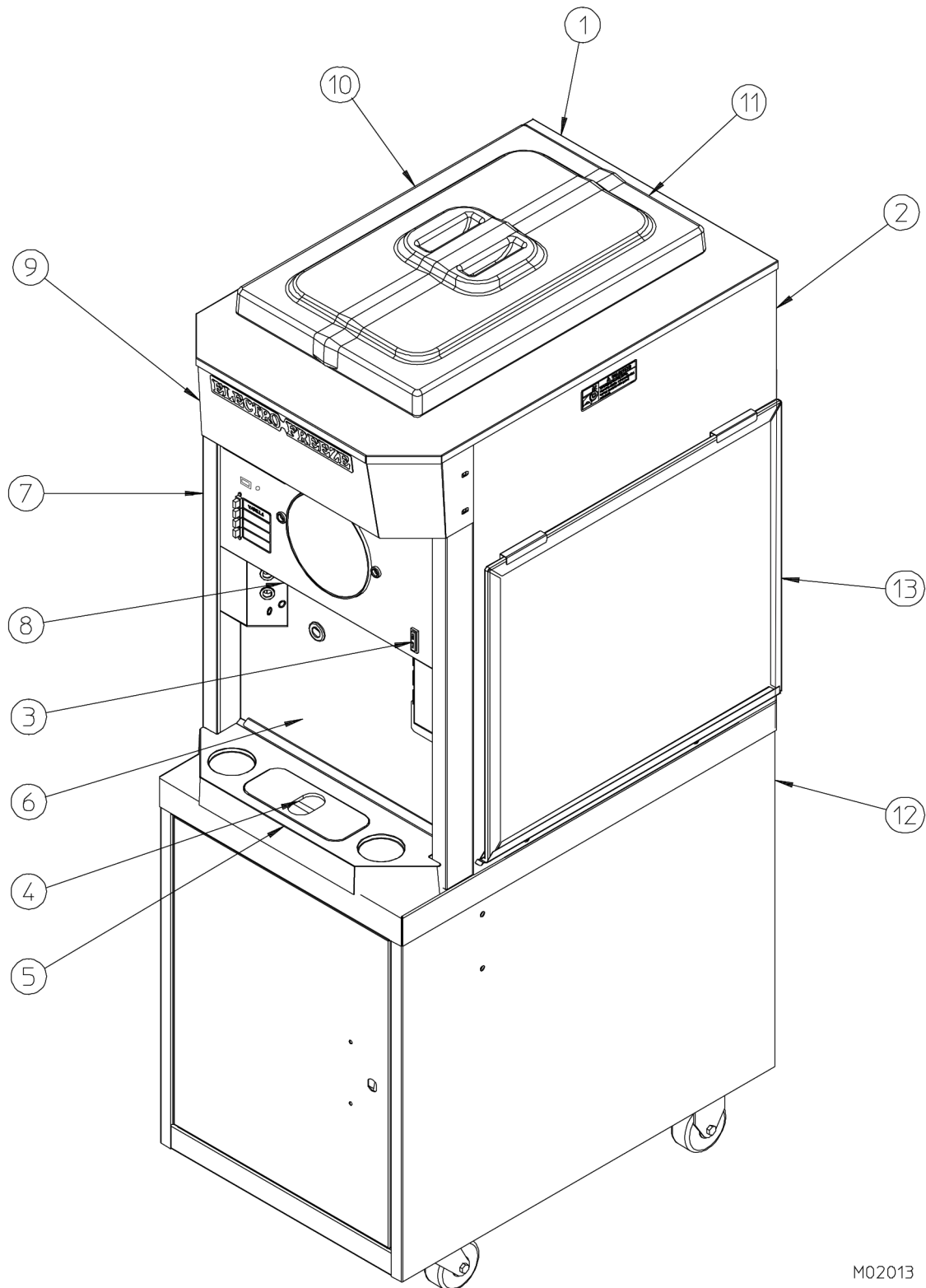
Item	Part No.	Description
1	HC160632	O-ring

Pump Peristaltic Tube Assembly



Item	Part No.	Description
1	HC120983	Tube-Assy Small Peristaltic
	HC120983-01	Tube-Assy Large Peristaltic (Chocolate)

Figure 8 Panel View (Sheet 1 of 2)



M02013

Figure 8 Panel View (Sheet 1 of 2)

Item	Part No.	Description
1	HC141185	Panel - Rear
2	HC141180	Panel - Side RH
3	HC150541	Light - Indicator 28v ADD MIX
4	HC196261	Cover - Drip Tray
5	HC196260	Tray - Drip
5A	HC140738	Retainer - Drip Tray (Not Shown)
6	HC121017	Panel - Assy. Front 5 Flavor SH
6A	HC159064	Grommet - 1.1 OD 7/8 GD x 5/8 ID (Drain Tube)(Not Shown)
7	HC140659	Panel - Side LH CS704
8	HC141161-03	Panel - Dispense 4 Flavor
9	HC121018	Trimstrip - Assy. Tapered
10	HC120804	Panel - Assy. Hopper & Top
11	HC118691	Cover - Assy. Hopper Insulate
12	HC121435-01	Cart - CS Stainless HC162200-11 . Latch - CS Cart

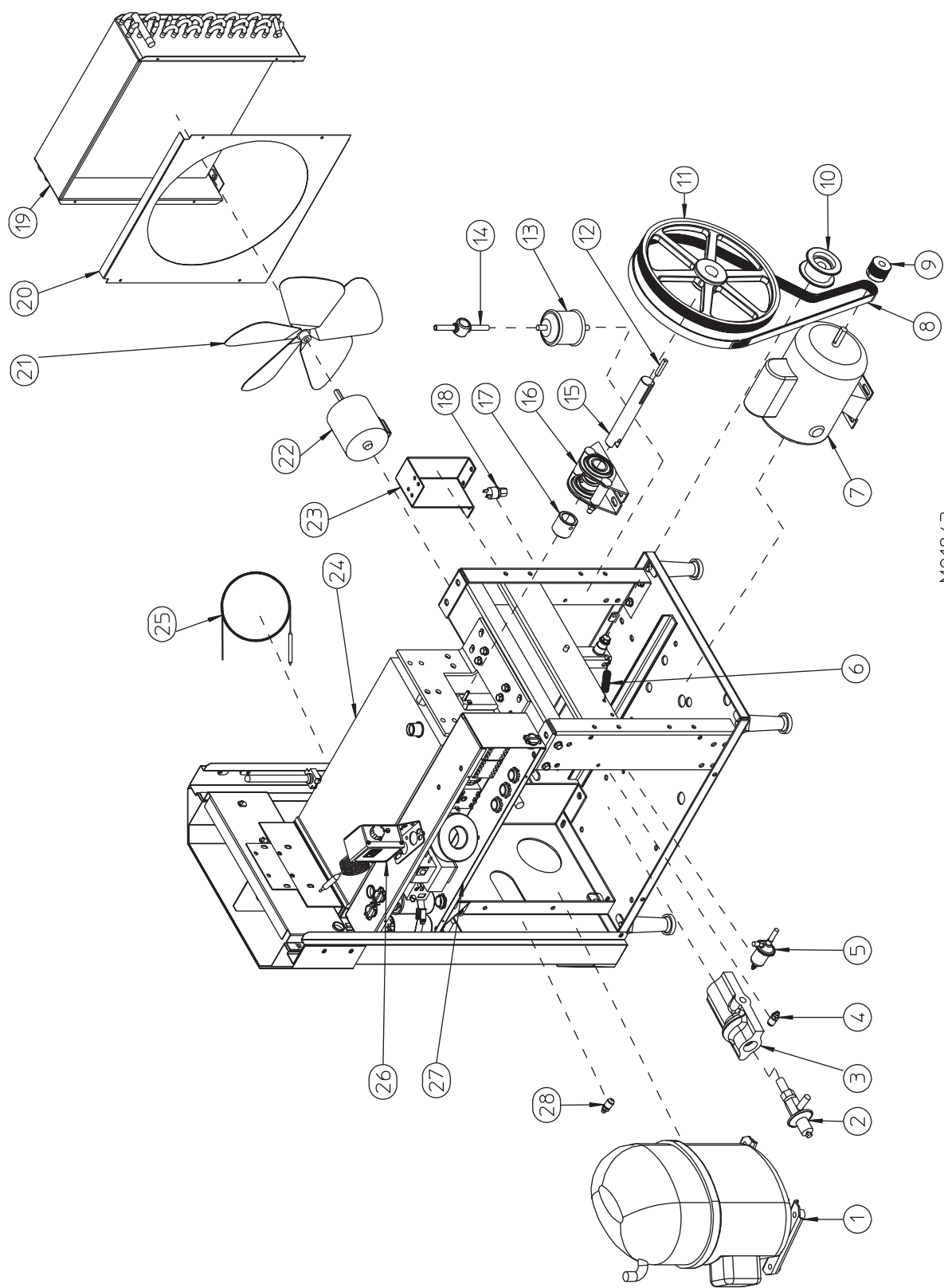
Not Shown:

HC161300	Switch - Level Float Sensor
HC161301	Float - Level Sensor
HC139230	Deflector - Panel (Left side)

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		

CS705 Panel Decals & Labels	
Part No.	Description
HC165025	Beater Warning
HC165250	Cleaning Instructions
HC165093	Clear Overlay
HC164215-01	Flavor
HC165414	Nameplate-Electro Freeze
HC165126	Panel Removal
HC164220	Pump Potentiometer
HC164220-01	Pump Potentiometer Brown
HC164220-02	Pump Potentiometer Red
HC164220-03	Pump Potentiometer Blue
HC164216	Syrup Pump
HC164217	Trimstrip
HC169052	Ventilation 3 in.

Figure 9 Side View (Sheet 1 of 2)



M01843

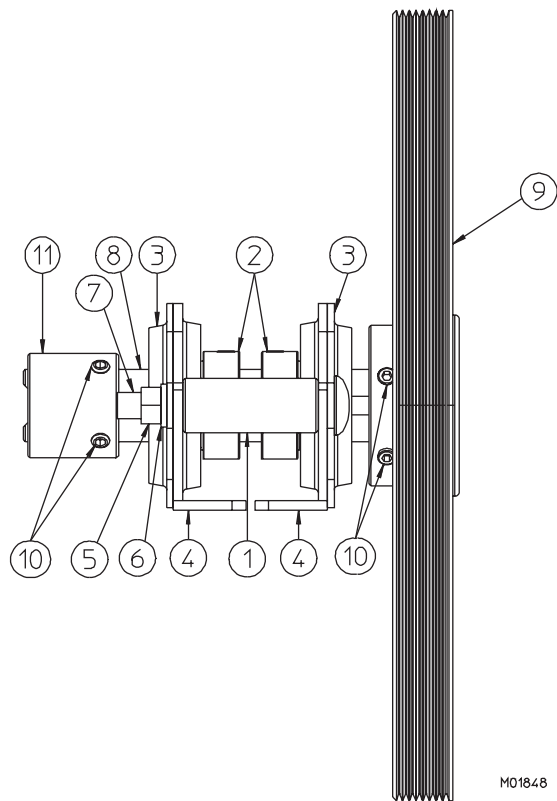
Figure 9 Side View (Sheet 1 of 2)

Item	Part No.	Description
1	HC120602	Compressor - Assy. 208-230-1-60 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	HC155490	Valve - Automatic Expansion
3	HC165531	Insulator - Expansion Valve
4	HC155497	Valve - Access (EPR)
5	HC155398	Valve - EPR
6	HC162331	Spring - Extension
7	HC151143	Motor - 1/2 HP 115/208-230-1-60 (Beater Motor)
8	HC153185	Belt - Poly V
9	HC140654	Sheave - Drive 1.438 PD J8
9A	HC153323	Key - Drive 1/4" Sq. x 1 - 1/2" (not shown)
10	HC120588	Pulley - Assy. Idler Tensioner
11	HC153614	Sheave - Driven
11A	HC160033	Screw - SK Set 5/16 - 18 x 3/8 (not shown)
12	HC153323	Key - Drive 1/4" Sq. x 1 - 1/2"
13	HC155063	Drier - Filter 3 cu in Sweat
14	HC155059	Glass - Sight
15	HC140824	Shaft - Drive
15B	HC160056	Screw - Set 1/4 - 20 x 1/4 (not shown)
16	HC120946	Bearing - Assy Rear (See Figure 7) HC153024 Bearing - Ball 1.00IDx2.0472 OD
17	HC140823	Cap - Coupling
18	HC155450	Cut Out - High Pressure 450 PSI
18A	HC155419	Valve - Access
18B	HC155649	Valve - Core
19	HC155140	Condenser - Air 14 x 14
20	HC140656	Shroud - Fan
21	HC159033	Blade - Fan 12 in. 24°
22	HC151077-01	Motor - Fan 50W 230V 50/60 HZ
23	HC120580	Bracket - Assy. Fan Mount
24	HC120417	Cylinder - Assy. Complete
25	HC155397	Tube - Capillary w/Strainer
26	HC119989	Kit - Thermostat & Retainer
27	- - - - -	Electric Box (See Figure 5)
28	HC155497	Valve - Access (Suction)
29	HC120603	Board - Assy. Torque Monitor Shake
30	HC155708	Valve - Solenoid 1/4 NPT 240V

Not Shown:

HC120606 Tube - Assy. Drain
 HC161032 Filter - In line 3/8 NPT WTR 100 Mesh
 HC151149 Motor - Shake 44W 230v FWR

Figure 10 Drive Shaft and Bearing Assembly



Item	Part No.	Description
*	HC120946	Bearing - Assy. Rear
1	HC130189	Spacer - Rear Bearing
2	HC153024	Bearing - Ball 1.00 ID x 2.0472 OD
3	HC153025	Stamping - Retainer Plate
4	HC153026	Stamping - Main
5	HC160105	Nut - Hex 5/16 - 18 ZN
6	HC160142	Washer - Lock 5/16 ZN
7	HC160415	Bolt - Carriage 5/16 - 18 x 3 ZN
8	HC140824	Shaft - Drive
9	HC153614	Sheave - Driven
10	HC160056	Screw - SK Set
11	HC140823	Cap - Coupling

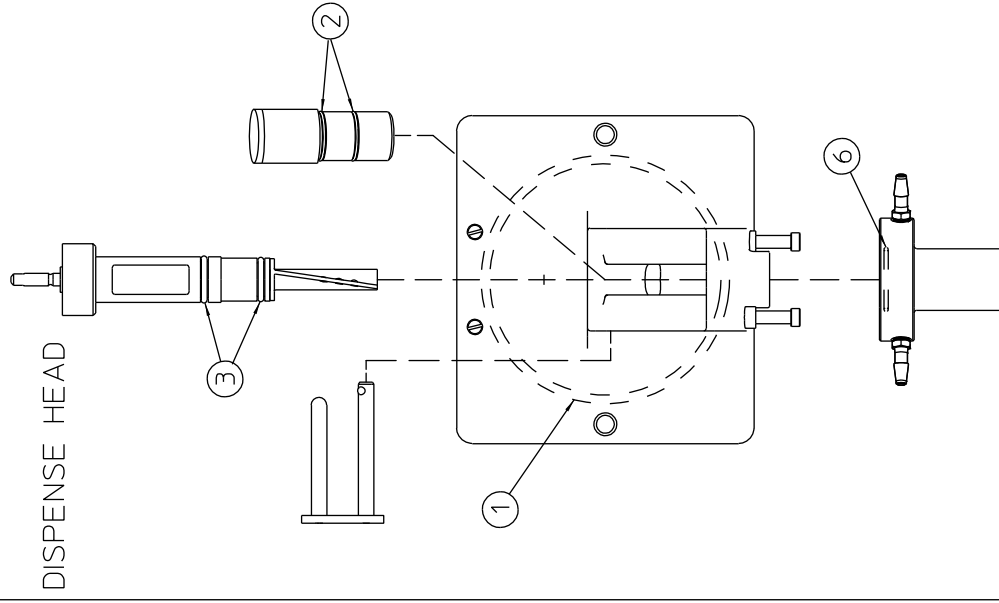
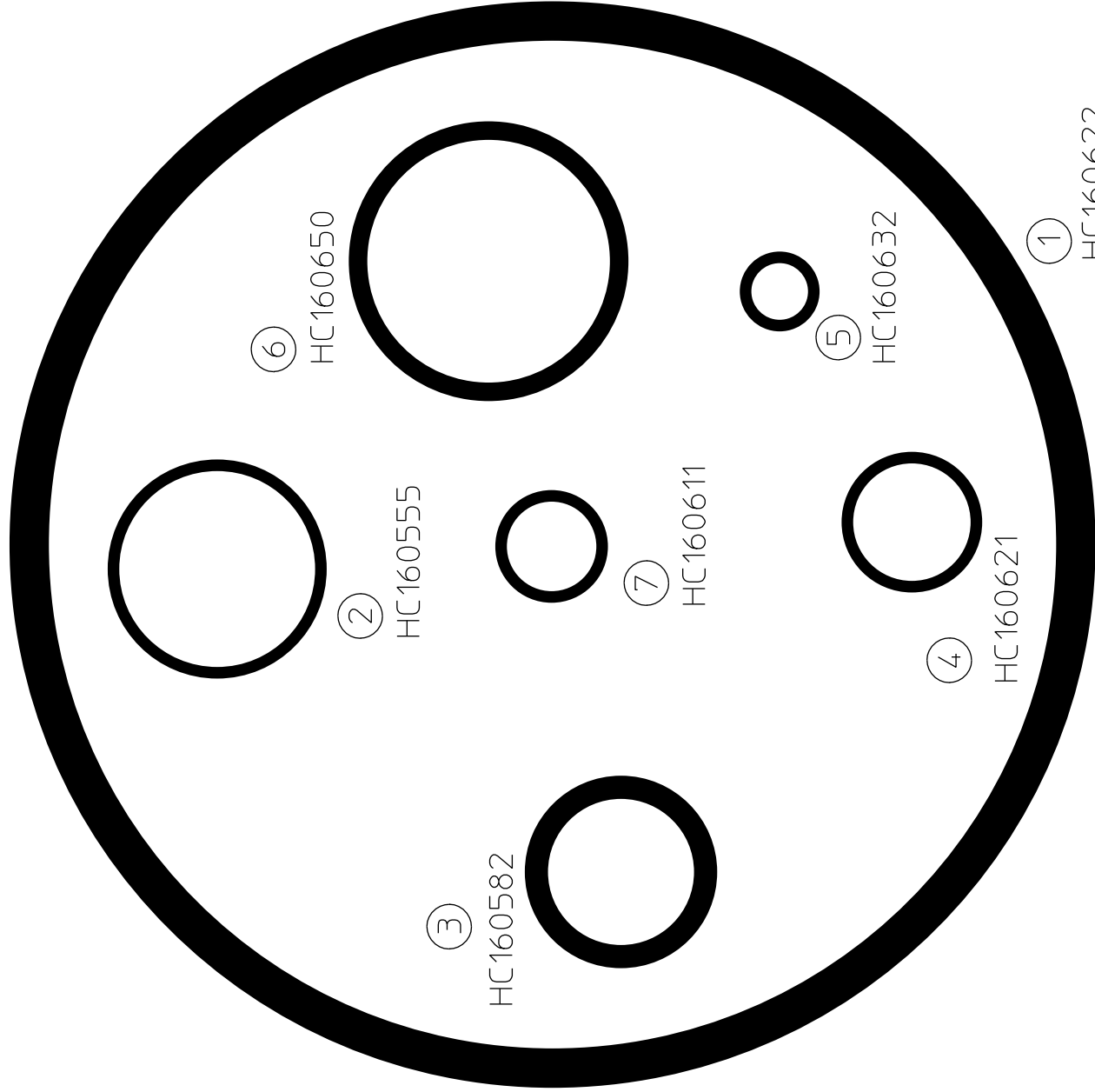
* Includes items 1 through 7.

Not Shown:

- HC113948 Bar - Alignment (Loaner)
(used to align bearings to cylinder)
- HC113948-01 Bar - Alignment (Purchase)

Accessories

Part No.	Description
HC162548	Adhesive - Filter Spray
HC196109	Beaker - 150ML
HC196103	Bottle - Wash 500ML
HC158003	Brush - 7/16 x 1 - 1/8 Double Handle
HC158010	Brush - 6 inch w/o Handle (Use with Handle HC158012)
HC158026	Brush - 1 inch Diameter 12 inches Long
HC158028	Brush - 3/8 Dia x 1/2 21inch Handle
HC158077	Brush - 9/16 inch with 36 inch Handle
HC184291	Chart - O-ring (Laminated)
HC121061	Coupling - Assy. Insert 1/4 Flow 1/8 NPT (Used in Calibration Process) includes HC160632 O-ring
HC158051	Cup - Overrun Measuring 1 Pint (Use with P/N 158049 scale)
HC158012	Handle - Brush 36 inch Fiberglass (Use with Brush HC158010)
HC158066	Lubricant - Compound 7 5.3 oz. tube (per tube)
HC158014	Sanitizer - Stera - Sheen Case/4 Jars
HC158014A	Sanitizer - Stera - Sheen 4 lb. jar
HC158049	Scale - Overrun
HC184589	Sheet - Clean & Sanitize CS704
HC184590	Sheet - Clean & Sanitize Syrup System CS704
HC169374	Tool - O-Ring Removal



⑤
ITEM 6 SHOWN ON
FITTING-SYRUP HOSE

O-RING CHART