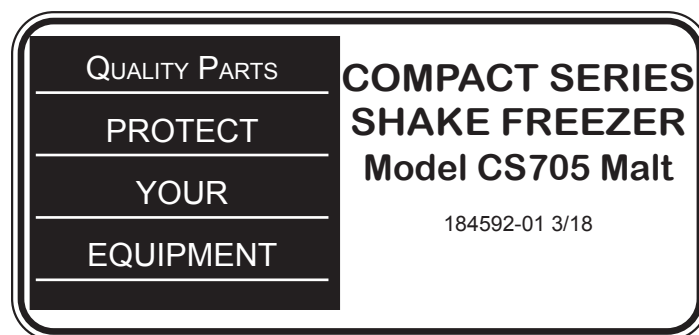




REPLACEMENT PARTS MANUAL

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



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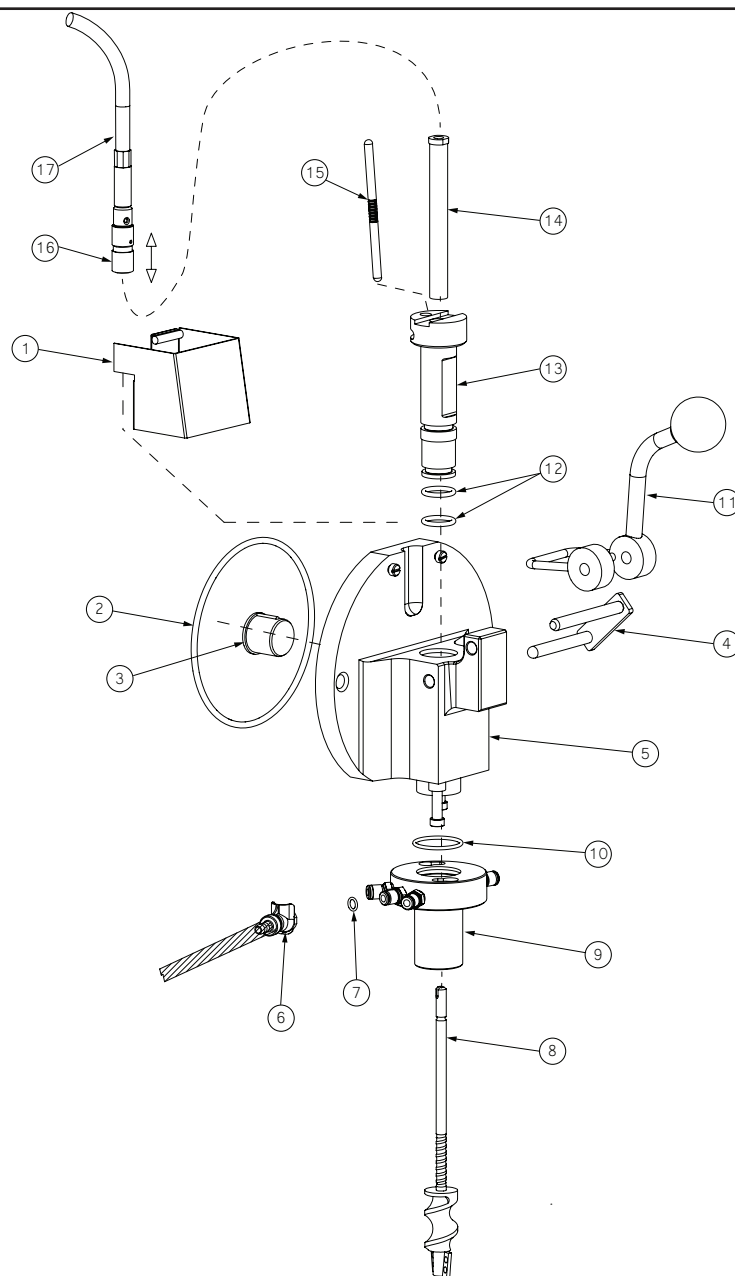


Figure 1 Head Assembly

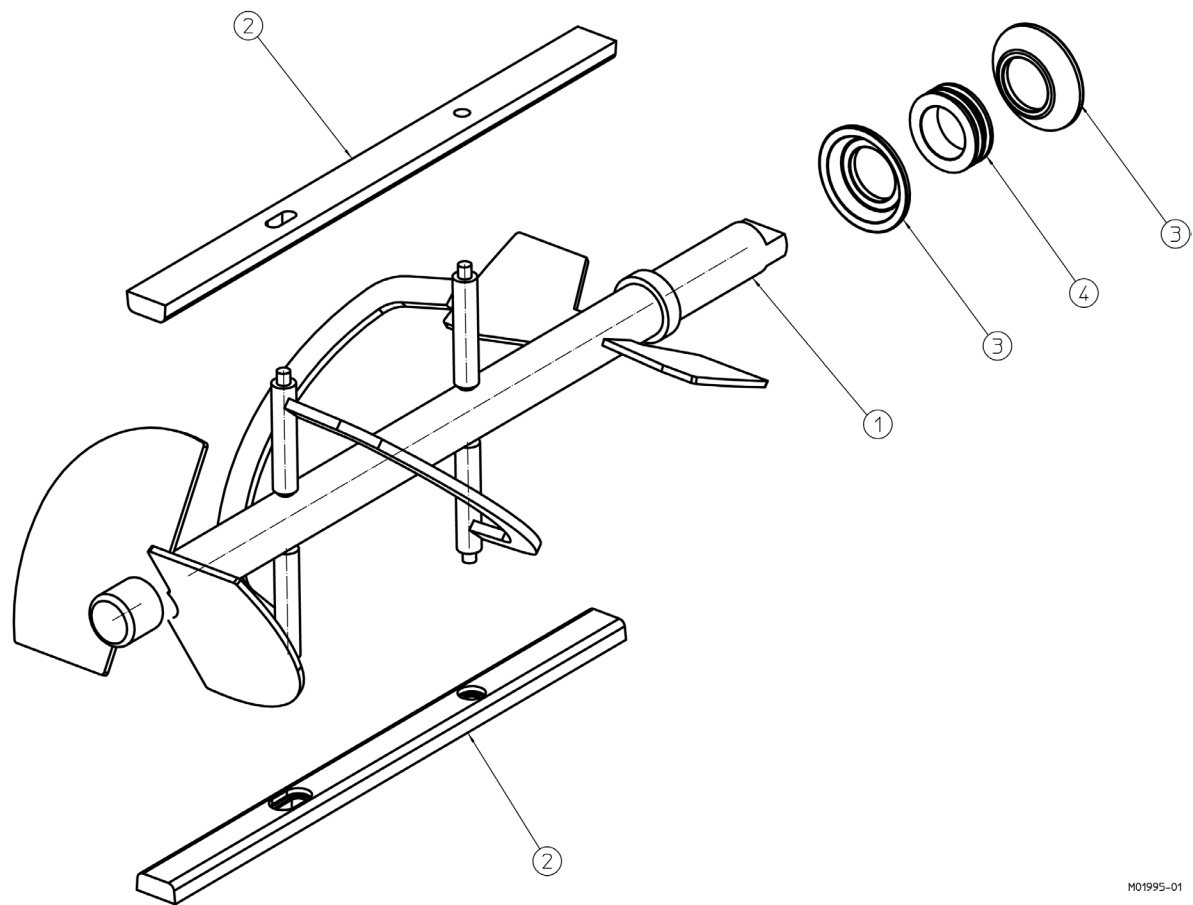
M01997-02

Item	Part No.	Description	Item	Part No.	Description
*	HC121870	Head - Assy. Complete	10	HC160650	O-ring (Mix Chamber)
1	HC121020	Cover - Assy Flex Shaft	11	HC121019-01	Handle - Assy. Disp. Complete
2	HC160622	O-ring (Head)		HC162629	Knob - Ball 3/8
3	HC196072	Bushing - Beater Bearing	12	HC160582	O-ring
4	HC113435	Keeper - Assy. Spindle	13	HC141150	Plunger - Dispensing 5 Flavor
5	HC121005-01	Head - Assy. w/Posts 5 FL SH	14	HC141151	Bushing - Mixer Shaft
6	HC160771	Coupling - Body 1/4 Flow 1/4 Barb Shutoff	15	HC138611	Rod - Actuator
7	HC160632	O-ring (Syrup Line)	16	HC121008-02	Connect - Assy Shake Drive
8	HC196291	Shaft - Assy. Mix	17	HC121584-02	Shaft - Flexible 33-3/4" Mix
9	HC121106	Chamber - Assy. Mix			
	HC141148	Chamber - Mix			
	HC121061	Coupling - Assy Insert 1			
	HC160650	O-ring			

Not Shown:

HC114341Stud - Assy. Cylinder 1-15/16"
 HC162625Knob - Hand
 HC151149Motor - Shake 44W 230v FWR

* Includes Items 2-5, 9-14.



M01995-01

Figure 2 Beater Shaft Assembly

Item	Part No.	Description
1	HC118708	Beater - Assy. Shake Short
2	HC140900	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

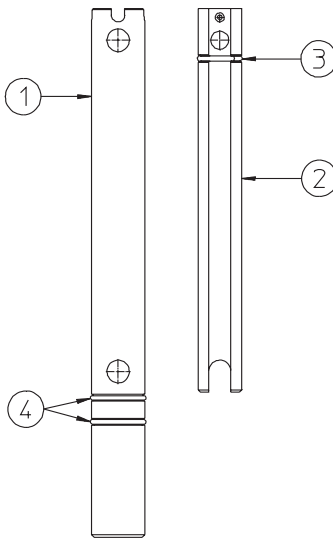


Figure 3 Mix Feed Tube Assembly

Item	Part No.	Description
*	HC121025	Tube - Assy. Mix Feed .218
1	HC140795	Tube - Mix Feed .218 Orifice
2	HC120664	Insert - Assy. Mix Feed (Regulator)
3	HC160611	O-ring (Insert - Regulator)
4	HC160621	O-ring (Mix Feed Tube)

* Includes items 1 through 4.

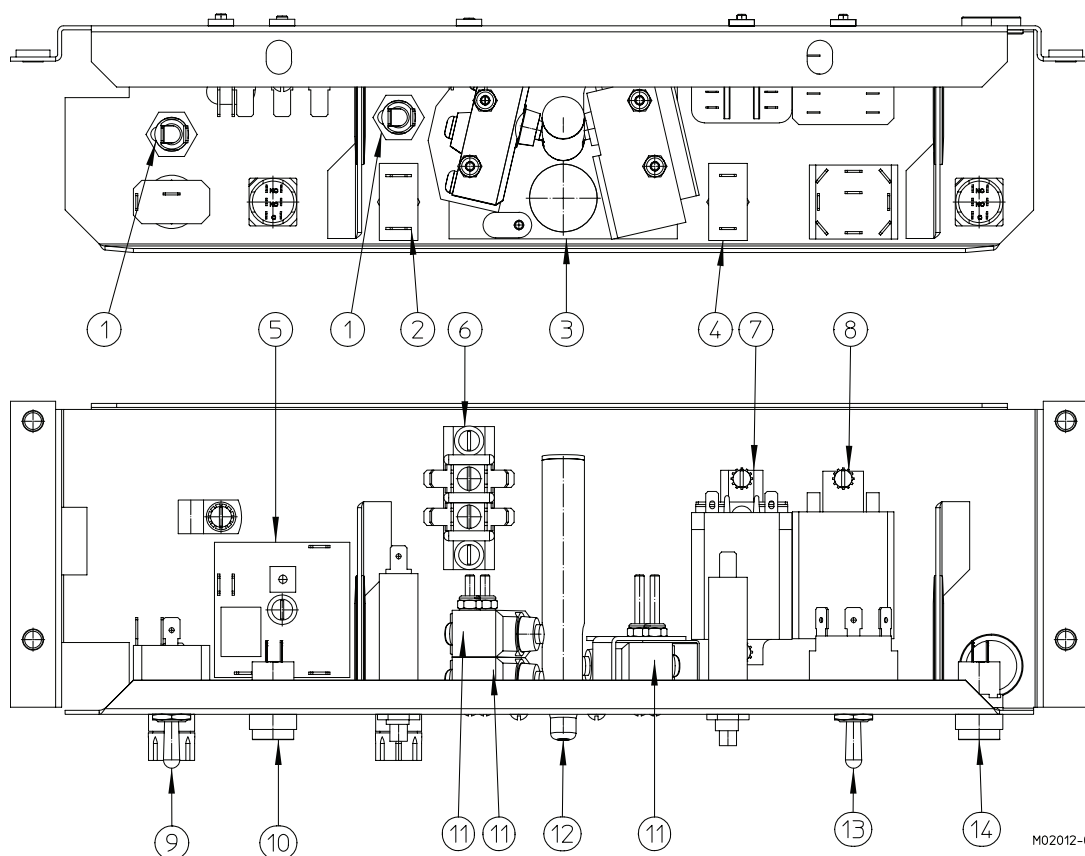


Figure 4 Plunger Box

Item	Part No.	Description
1	HC150985	Fuse - Fast AGC 1.0A 1/4 x 1-1/4
2	HC150984	Breaker - Circuit 0.7A
3	HC121011-01	Switch - Assy. Plunger (See Figure 5) HC162303 Spring - Plunger Rod HC150456 Switch - Snap Button
4	HC150452	Breaker - Circuit 4.5A
5	HC150072	Timer - DOB Relay .1-3 Sec 230V
6	HC150798	Terminal - Strip
7	HC150381	Relay - Flange Base w/Cover
8	HC150343	Relay - Control Flange DPDT 24VAC
9	HC159235	Switch - Toggle SPST
10	HC150971	Switch - Push DPDT MOM Black
11	HC150456	Switch - Snap Button
12	HC137760	Rod - Plunger Switch (Actuator Button)
13	HC150465	Switch - Toggle 3PDT Center Off
14	HC150971	Switch - Push DPDT Mom Black

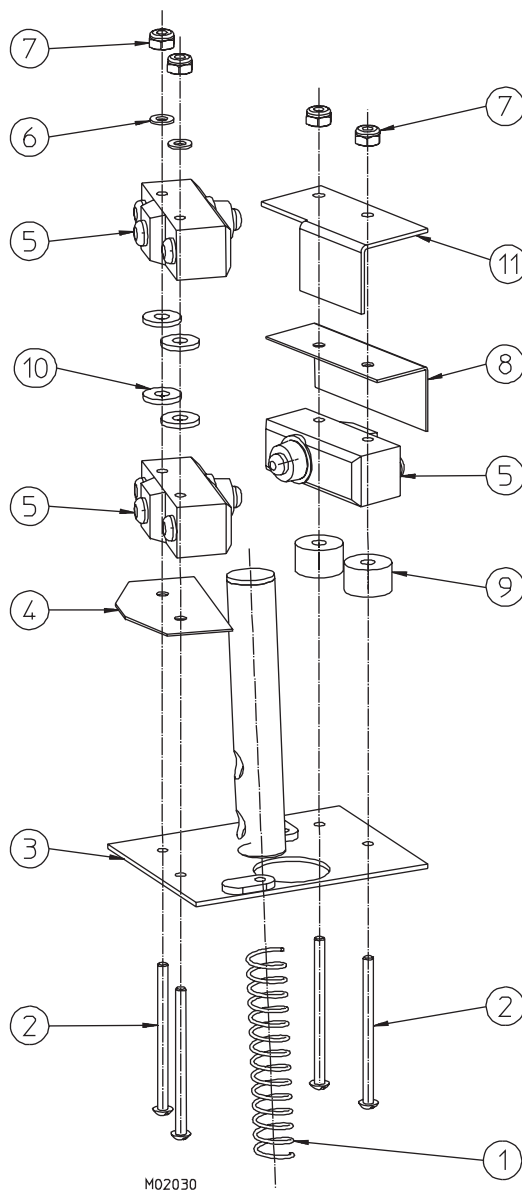
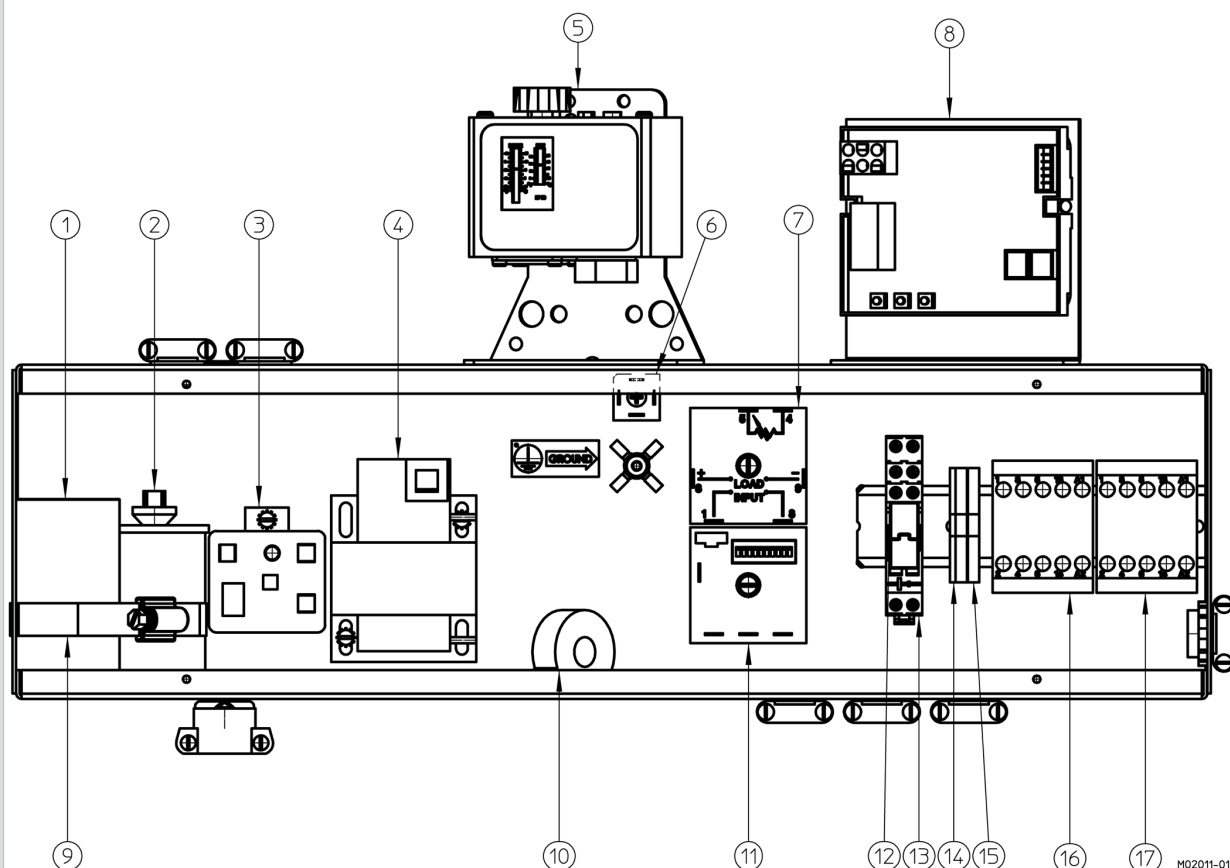


Figure 5 Switch Assembly

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	Guard - Switch Assembly
4	HC137798	Insulator - Switch
5	HC150456	Switch - Snap Button
6	HC160393	Washer - Flat #6 Brass
7	HC160199	Nut - El Stop #6-32 ZN
8	HC139175	Insulator - Switch
9	HC137765-01	Spacer - .375 Long
10	HC160157	Washer - 1/2 x .196 x 1/16
11	HC141209	Guard - Switch Assy.

* Includes all items above.



M02011-01

Figure 6 Electrical Box

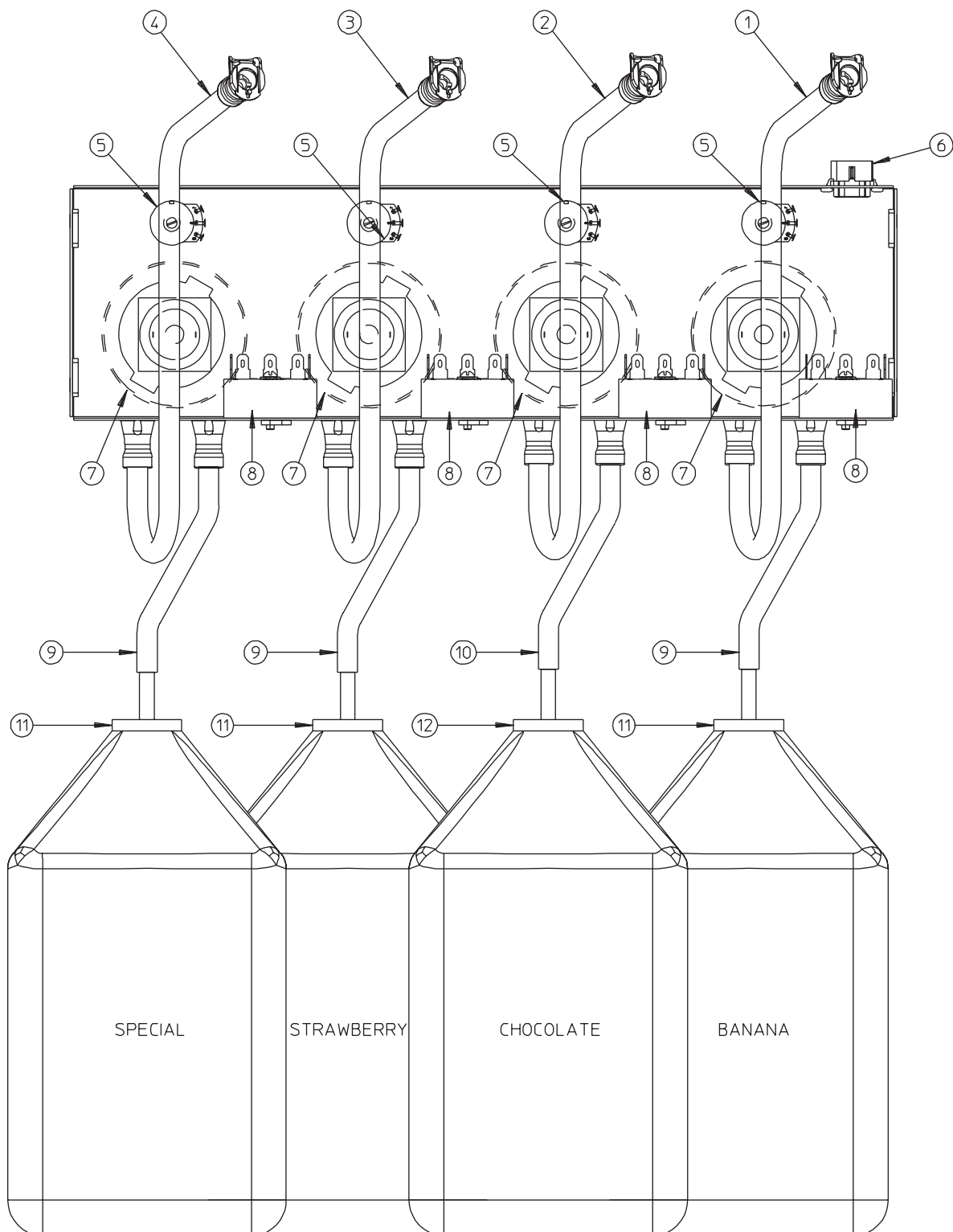
Item	Part No.	Description
1	HC151414	Capacitor - Start
2	HC150244	Capacitor - Run
3	HC151474	Relay - Compressor Start
4	IC574100325	Transformer - 75VA / 24VAC / MURD
5	HC119989	Kit - Thermostat & Retainer
6	HC150890	Rectifier - Bridge
7	HC150967-01	Control - Speed 230VAC to DC Motor
8	HC120603	Board - Assy. Torque Monitor Shake
9	HC160743	Clamp - Hose 3-1/6 to 4
10	IC574100349	Transformer - Current
11	HC120095	Kit - Recycle 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	Contactor - Mini 3P (Beater Motor)
17	HC150095	Contactor - Mini 3P (Compressor)

Not Shown:

HC141155Decal - Wiring Diagram

Figure 7 Syrup System View (Sheet 1 of 2)

VIEW FROM BACK SIDE OF HC121066 BRACKET - ASSY FLAVOR PUMPS



M02014

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)
11A	HC199050	Boot - Syrup Bottle (Black) (not shown)

Not Shown:

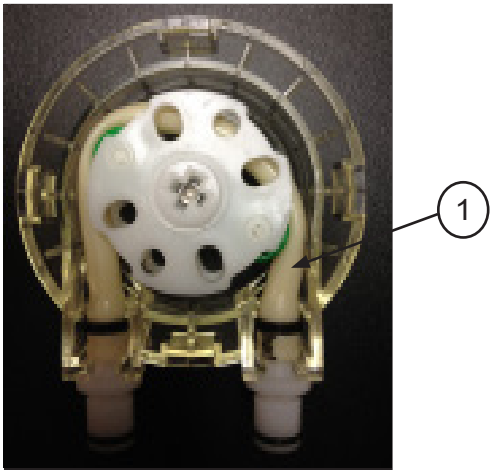
HC121094	Tube - Assy Water Line
HC161032	Filter - In Line 3/8NPT Wtr 100 Mesh
HC160720	Clamp - Hose 7/32 to 5/8 (Water line)
HC196109	Beaker 150ml

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



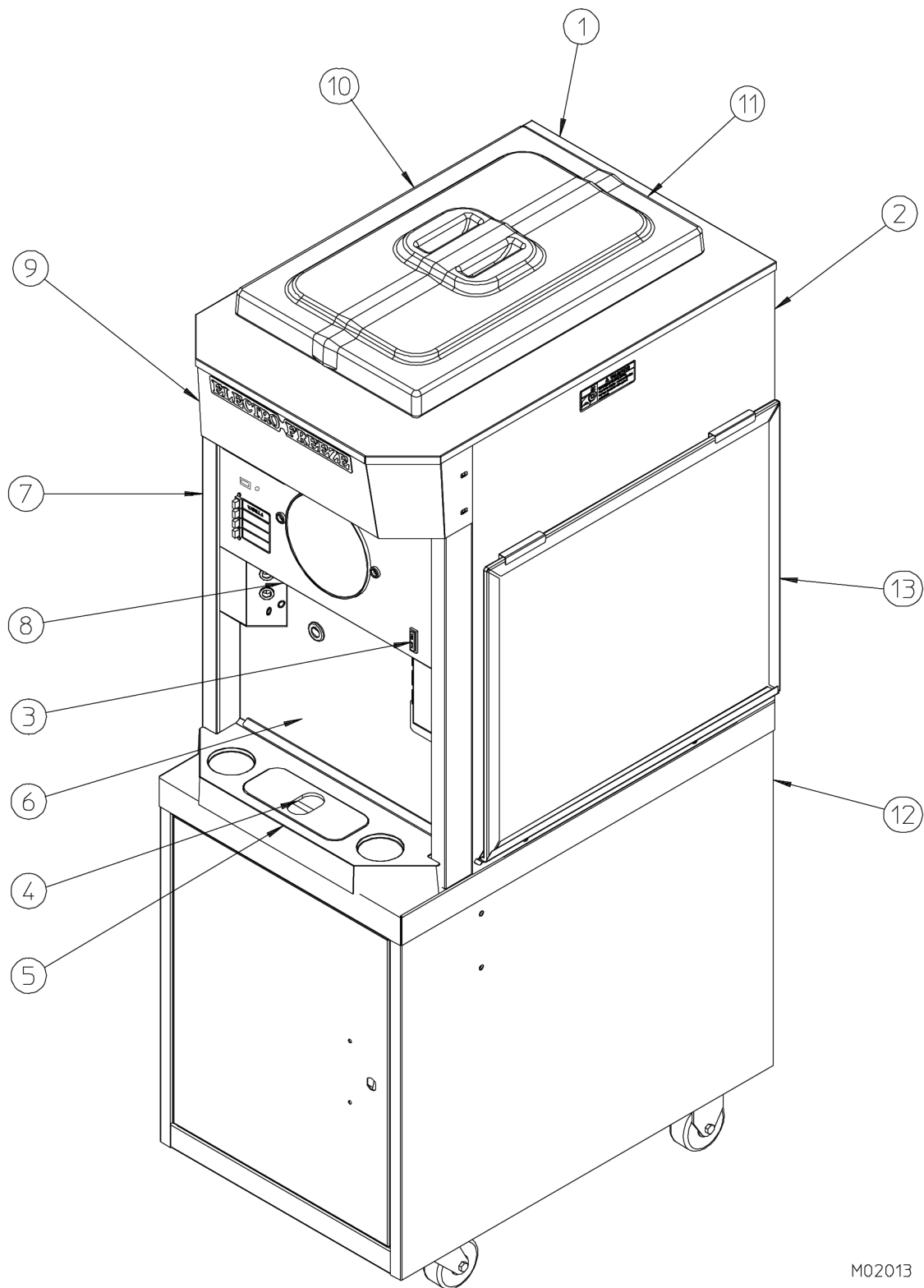
Item	Part No.	Description
1	HC160632	O-ring

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	HC140658	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 CS705
8	HC141161	Panel - Dispense 5 Flavor SH
9	HC121018	Trimstrip - Assy. Tapered
10	HC120804	Panel - Assy. Hopper & Top
11	HC118691	Cover - Assy. Hopper Insulate
12	HC162200	Cart - CS Stainless
	HC162200-11	Latch - CS Cart
13	HC155143	Filter - 22 x 19 x 3/8

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-M2 Panel Decals & Labels	
Part No.	Description
HC165025	Beater Warning
HC165250	Cleaning Instructions
HC165093	Clear Overlay
HC164215-02	Flavor - Malt
HC164232	Malt
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.

184592

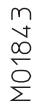


Figure 9 Side View (Sheet 1 of 2)

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 1.00ID x 2.0472 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

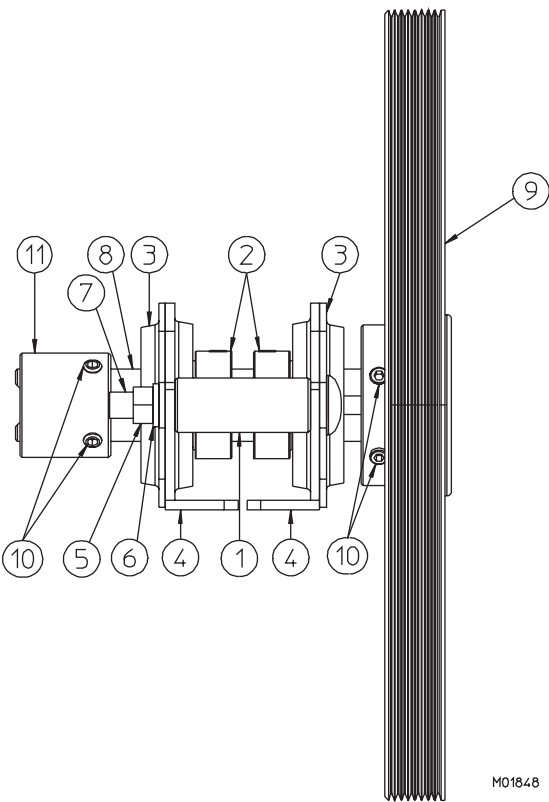


Figure 10 Drive Shaft and Bearing Assembly

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

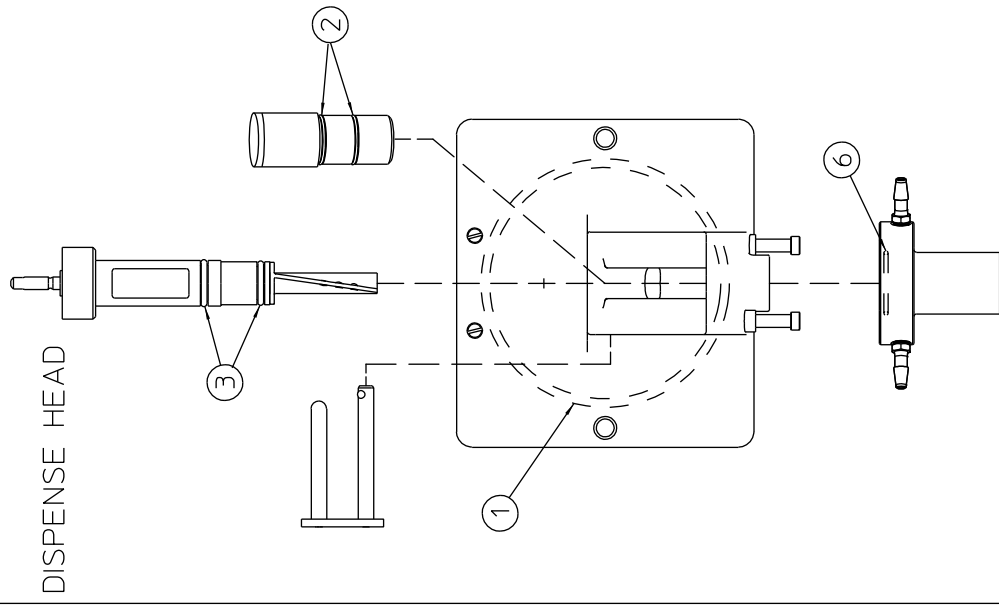
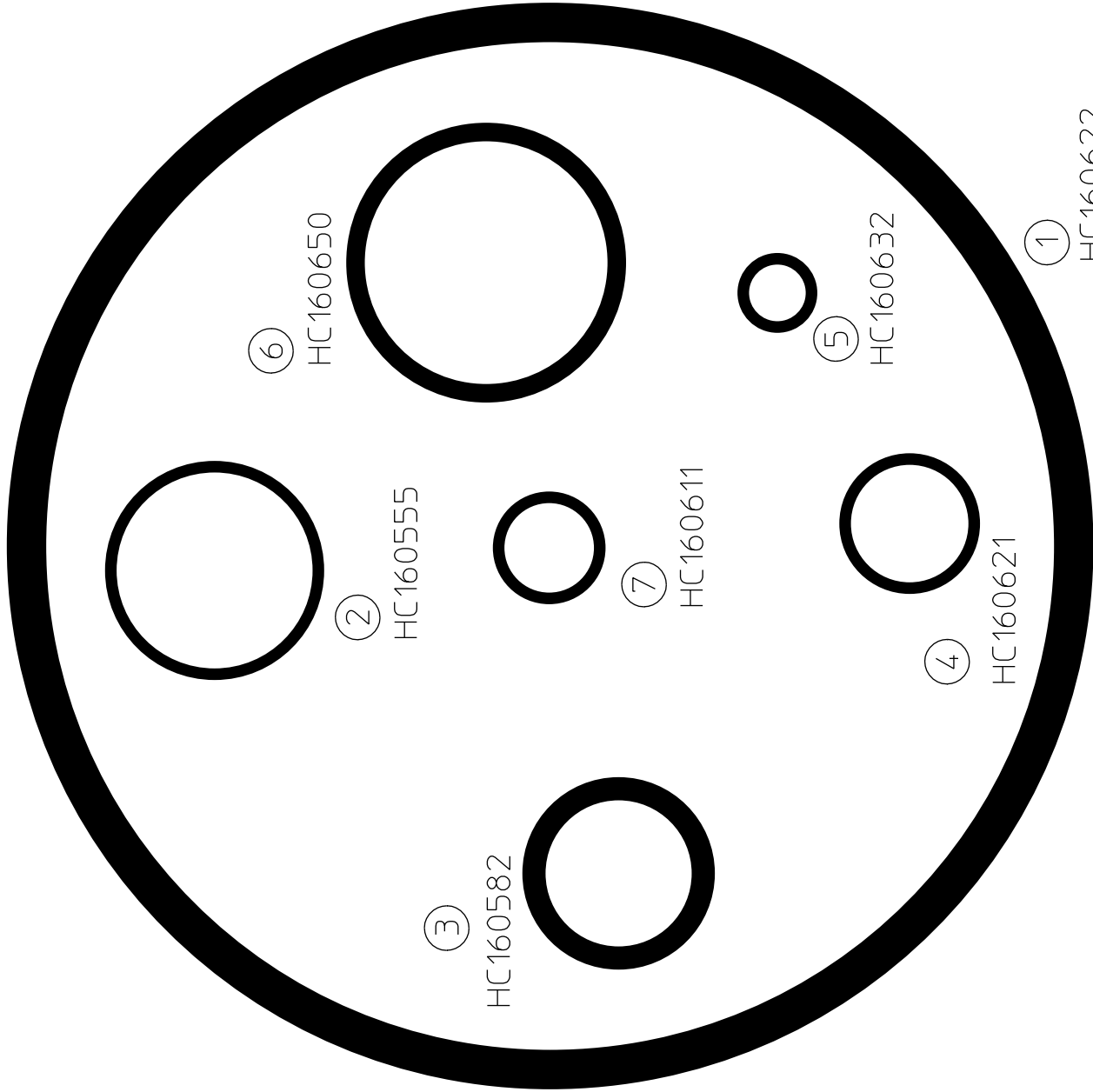
* Includes items 1 through 7.

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



ITEM 6 SHOWN ON
FITTING-SYRUP HOSE