



H. C. DUKE & SON, LLC.

2116-8th Avenue • East Moline, Illinois 61244

REPLACEMENT PARTS MANUAL

with Illustrations



**SOFT SERVE
FREEZER
Model
GEN-102**

185232-01 - 10/14

ILLUSTRATIONS

Parts are listed on each page using terminology that best fits the function of the part. It is very important to know the serial number of the machine when ordering parts because many parts are not interchangeable from one serial number to another of the same model. The illustrations in this manual can be used as a reference for obtaining the correct part description and part number.

All parts listed in the manual should be ordered through:



H. C. Duke & Son, LLC
 2116 - 8th Avenue
 East Moline, Illinois 61244
 Telephone: (309) 755-4553 or (800) 755-4545
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Use only original or authorized replacement parts with this freezer.
 Use of unapproved parts will void warranty.

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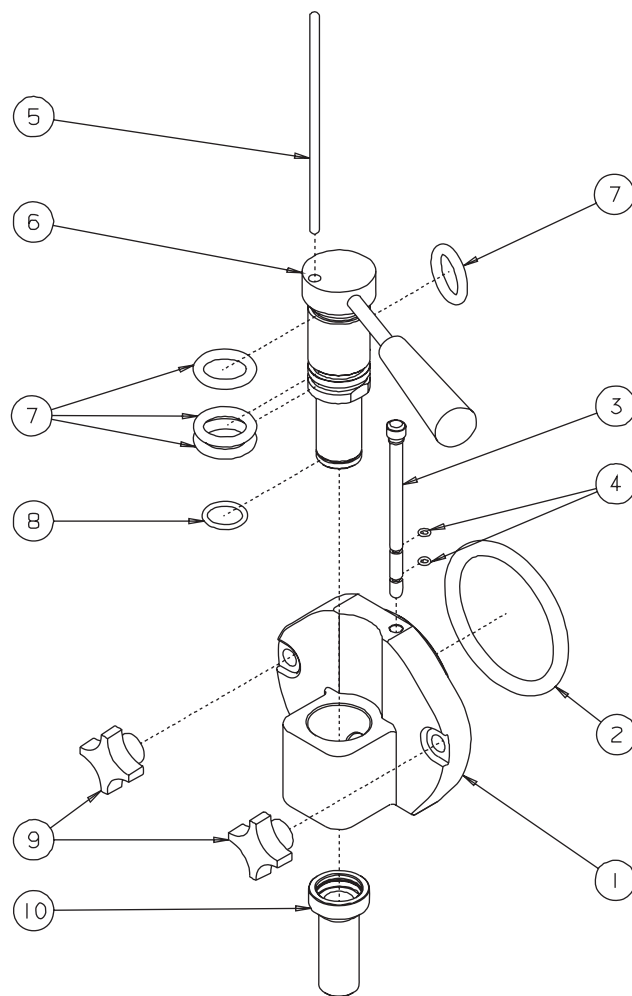
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Figure 1 Dispense Head Assembly

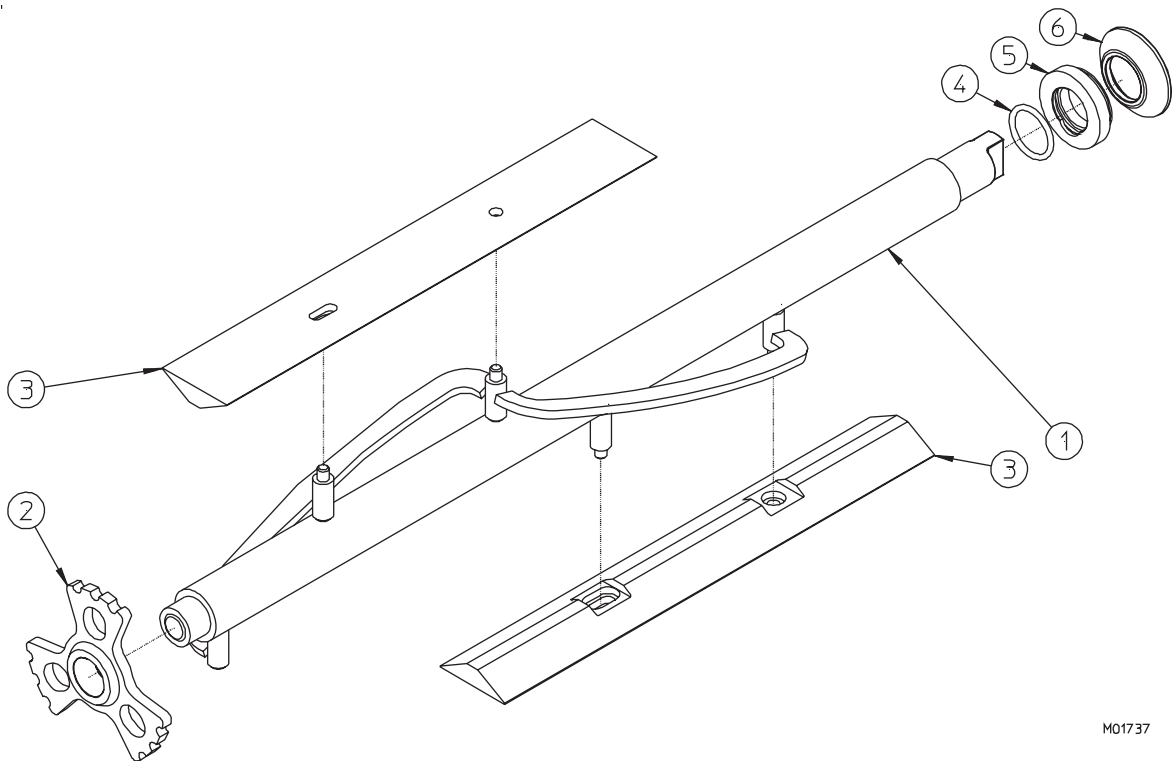
Item	Part No.	Description
*	HC115130	Head-Assy. Dispense (Complete)
1	HC116321	Head (only)
2	HC160583	O-ring (Head)
3	HC115129	Bleeder-Assy.
4	HC160562	O-ring (Bleeder Assembly)
5	HC136126	Rod-Spigot Switch
6	HC134921	Spigot-Long Single (less extension)
6A	HC162624	Handle-Black Tapered
6B	HC134922	Handle-Spigot
7	HC159295	O-ring (Spigot)
8	HC160584	O-ring (Extension)
9	HC162625	Knob-Hand
9A	HC114341	Stud-Assy. 1-15/16 inch (Not Shown)
10	HC136713	Extension-Spigot (Cake) (Optional)

* Includes items 1-4, 6-8.

Not Shown:

HC116410 Kit-Dispense Head Switch

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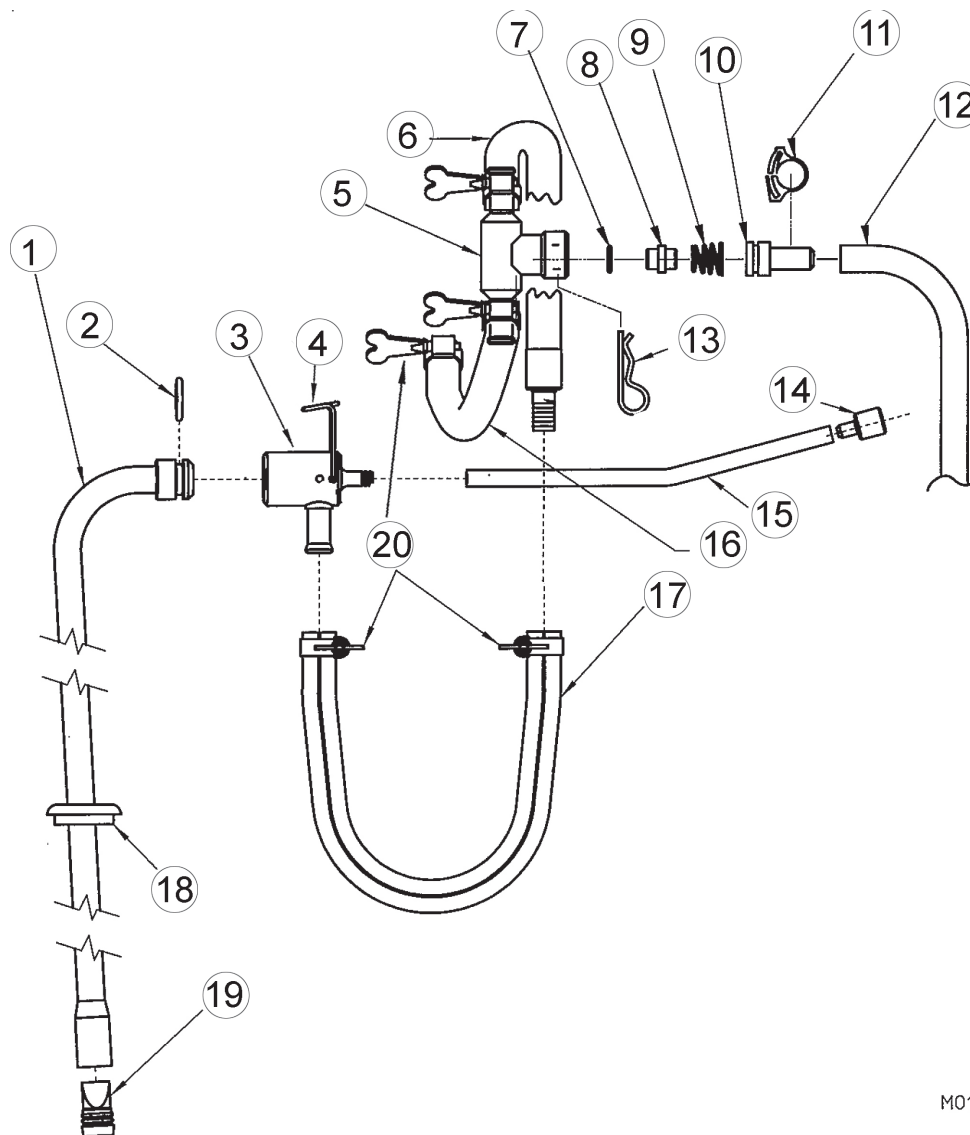
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Figure 2 Beater Shaft Assembly

Item	Part No.	Description
1.....	HC113438	Shaft-Assy. Beater
2.....	HC196079	Bushing-Cylinder
3.....	HC137334	Blade-Scraper Soft Serve
4*	HC160500	O-ring (Seal)
5*	HC133098	Washer-Shaft Seal
6*	HC160557	Seal-Beater Shaft

* Items 4,5,6 can be ordered together as:
HC111875 Seal-Assy. Shaft

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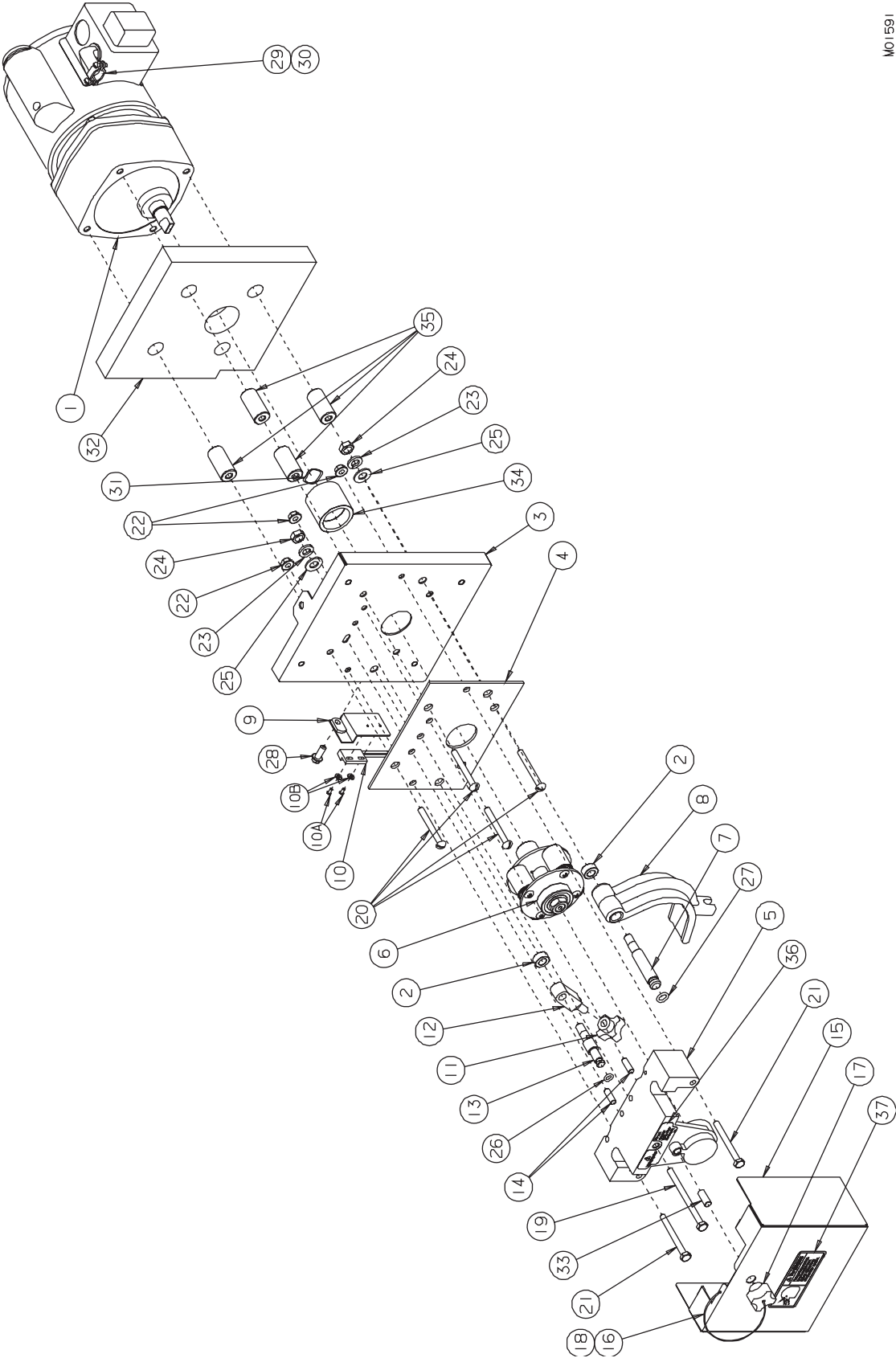
Figure 3 MTS—RMT Hose Assembly

Item	Part No.	Description
1	HC138836	Hose-Transfer Red Line
2	HC199032-01	Duckbill-Inlet (Valve)
3	HC118765*	Port-Assy. Inlet Mix/Air
4	HC138170-02	Tube-Air 7½ in. (Hose)
5		Meter-Air (Order by meter number)
6	HC116065	Clamp-Assy. Soft Hose 5/8
7	HC116094	Hose-Assy. Mix Braided
8	HC199033	Boot-Mix Tube (Seal)
9	HC160502*	O-ring
10	HC162324*	Clip-Tube Retainer
11	HC118836*	Tube-Assy. Mix Inlet

* Can be ordered as an assembly:
HC118842 Tube-Assy. Pickup

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Figure 4 Mix Transfer System — RMT (Breakdown)



M01591

Use only original or authorized replacement parts with this freezer.
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Figure 4 Mix Transfer System RMT (Parts)

Item	Part No.	Description
*	HC118751	MT-Assy. CAB Red Line
1	HC119918	Kit-Gearmotor Replacement Model RMT includes HC150512 Capacitor-Start w/Bleed HC139046-01 Gauge-Shaft Alignment RMT HC150893 Switch-Start Solid State (Relay) HC160173 Washer-Spring Wave SST
2	HC138800	Spacer-Swing Arm
3	HC118764	Faceplate-Assy. MTS
4	HC139746	Plate-Backup MTS
5	HC138783-01	Support-Roller Bearing
6	HC116009-01	Kit-Roller (Complete)
7	HC138797	Arm-Shoe Pivot
8	HC139751	Shoe-Roller
9	HC118763	Bracket-Assy. Switch Mtg.
10	HC118894	Kit-Cover Switch RMT Freezer includes HC160357 Screw-RDHM #4-40 x 1/4 STL
10A		HC160393 Washer-Flat #6 Brass
10B		
11	HC162622	Knob-Hand
12	HC138798	Clamp-Shoe Swing
13	HC138799	Arm-Swing Clamp
14	HC160338	Pin-Dowel 1/4 DIA x 3/4 SST
15	HC119023	Cover-Assy. RMT CAB includes HC165246 Decal-Warning Pressurized HC138889 Knob-Cover RMT HC138890 Lanyard-Wire HC160508 Sleeve-Cable Stop 3/64
16	HC138890	Lanyard-Wire
17	HC138889	Knob-Cover RMT
18	HC160508	Sleeve-Cable Stop 3/64
19	HC160465	Screw-HXHC 1/4-20 x 3-1/2 SST
20	HC160093	Screw-RHMS 1/4-28 x 2-1/4 SST
21	HC160464	Screw-HXHC 1/4-20 x 2-1/2 SST
22	HC159933	Nut-HXSF 1/4-20 SST
23	HC160169	Washer-Flat 3/8 SST
24	HC159927	Nut-HEX 3/8-16 SST
25	HC160170	Washer-Lock 3/8 SST
26	HC160628	O-ring (Swing Clamp)
27	HC160612	O-ring (Roller Shoe)
28	HC159939	Screw-HXSF 1/4-20 x 11/16 SST
29	HC150705	Connector-3/8 x 90°
30	HC118833	Cord-Assy. Motor
31	HC160173	Washer-Spring Wave SST
32	HC165524	Block-Insulation RMT
33	HC160386	Stud-5/16-18 x 3/4 SST
34	HC139756	Shield-Drip
35	HC138793	Spacer-Motor
36	HC165246	Decal-Warning Pressurized
37	HC165048	Decal-Warning Rotating Parts

* Includes all items above.

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AIR METERS	
Meter No.	Part No.
9	HC163423
10	HC163424
11	HC163425
12	HC163426
13	HC163421
13.5	HC163421-05
14	HC163427
14.5	HC163427-05
15	HC163428
15.5	HC163428-05
16	HC163429
16.5	HC163429-05
17	HC163430
17.5	HC163430-05
18	HC163431
18.5	HC163431-05
19	HC163432
19.5	HC163432-05
20	HC163433
20.5	HC163433-05
21	HC163434
21.5	HC163434-05
22	HC163435
22.5	HC163435-05
23	HC163436
24	HC163437
25	HC163438
26	HC163439
28	HC163440
30	HC163441
31	HC163442

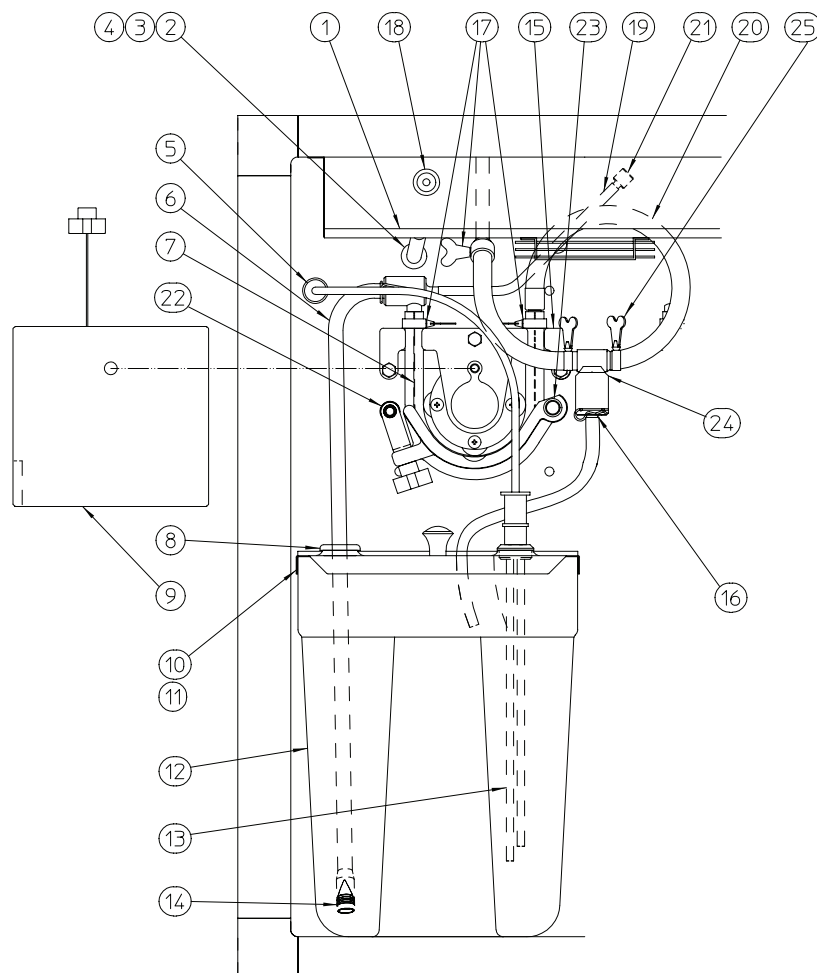
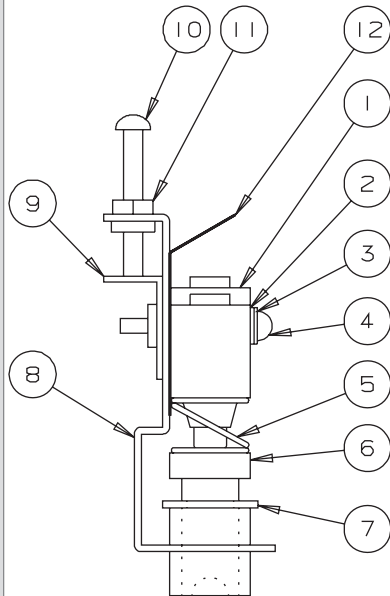


Figure 5 Cabinet Parts

M00838-01

Item	Part No.	Description	Item	Part No.	Description
1	HC117129-01	Shroud-Assy. Evaporator includes HC150532 ... Cord-Assy. Male Plug HC151105 ... Fan-Intake (Cabinet) HC151076 ... Guard-Fan Open HC150509 ... Switch-Door Push Button HC161004 ... Thermometer-Barrel	9	HC119023	Cover-Assy. RMT CAB
1A	HC155111	Coil-Evaporator	10	HC117553	Cover-Assy. Mix Tank Front
1B	HC150533	Cord-Assy. Female Plug	11	HC140446	Cover-Rear Mix
2	HC160738	Clamp-Hose 1/2 ID Delrin (Drain)	12	HC196100	Tank-Mix 6 Gallon
3	HC196068	Tubing-.375 ID x .500 OD PVC	13	HC115397	Probe-Assy. Mix Level 10-3/4"
4	HC138919	Tube-Drain Support	14	HC199032-01	Duckbill-Inlet RM MTS
5	HC150537	Cordset-Mix Level Probe	15	HC118751	MT-Assy CAB Redline (See Explode View-Fig. 5)
5A	HC150536	Receptacle-Molded Level Sensor	16	HC161004	Thermometer-Barrel
6	HC118842	Tube-Assy. Pickup includes HC118765 ... Port-Assy. Inlet Mix/Air HC118836 ... Tube-Assy. Mix Inlet HC162324 ... Clip-Tube Retainer HC160502 ... O-ring	17	HC116065	Clamp-Assy. Soft Hose 5/8
7	HC138836	Hose-Transfer Red Line	18	HC150509	Switch-Door Push Button
8	HC199033	Boot-Mix Tube	18A	HC118597	Actuator-Assy. Door Switch
			19	HC138170-02	Tube-Air 7-1/2 in.
			20	HC116094	Hose-Assy. Mix Braided
			21		Meter-Air (Order by meter number)
			22	HC160628	O-ring (Swing Clamp)
			23	HC160612	O-ring (Roller Shoe)
			Not Shown:		
				HC162006	Plug-Button Flush Type

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Figure 6 Spigot Switch Assembly

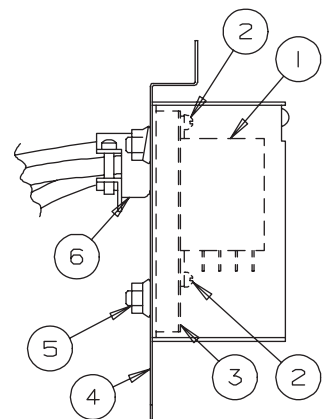
Item	Part No.	Description
*	HC113903	Switch-Assy. Spigot
1	HC150456	Switch-Snap Button
2	HC160393	Washer-Flat #6 Brass
3	HC160392	Washer-Ext. Tooth #6 ZN
4	HC160296	Screw-RDHM #6-32 x 1-1/4 SST
5	HC162321	Spring-Spigot Switch
6	HC136124	Button-Spigot Switch
7	HC160303	Ring-Retaining 1/2 External
8	HC113902	Bracket-Assy. Spigot Switch Mtg.
9	HC113901	Bracket-Assy. Adjusting
10	HC160267	Screw-RDHM #8-32 x 7/8 Brass
11	HC160102	Nut-Hex #8-32 ZN
12	HC135744	Insulator-Switch

* Includes all items above.

Figure 7 Relay Box — MTS

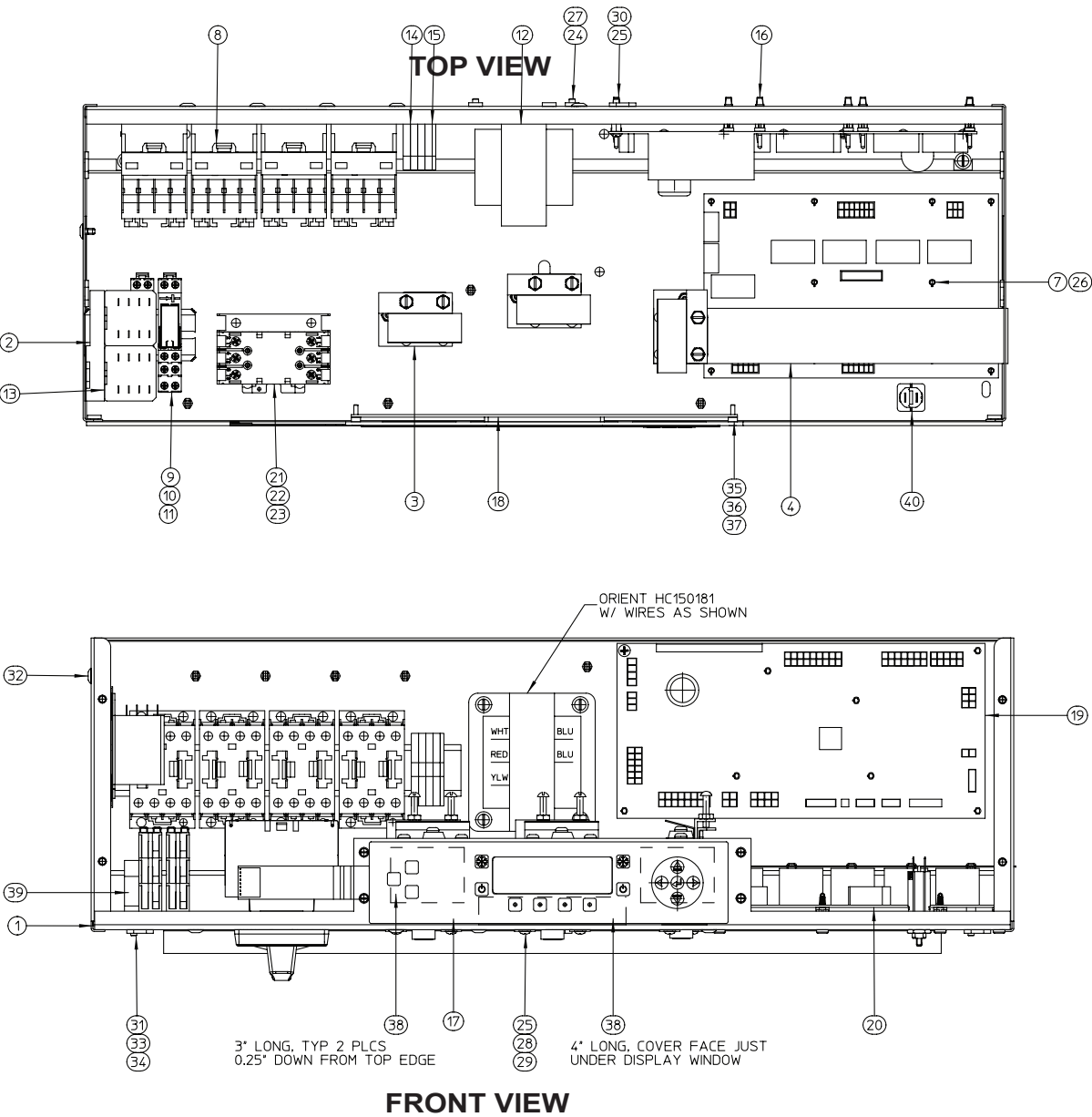
Item	Part No.	Description
*	HC120233	Box-Assy. Relay 24V Rear Connector (Complete)
1	HC150343	Relay-Control Flange DPDT 24VAC
2	HC160308	Screw-RDHM #6-32 x 5/16 ZN
2A	HC160116	Nut-Speed #6-32 BKOX
3	HC138159	Bracket-Flange Relay Mtg.
4	HC139805	Support-MTS
5	HC159950	Screw-HXSF 1/4-20 x 1/2 ZN
5A	HC159951	Nut-HXSF 1/4-20 ZN
6	HC150828	Connector-1/2

* Includes item 1 through 6 plus box and wiring.



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Figure 8 Switch Box (Breakdown)



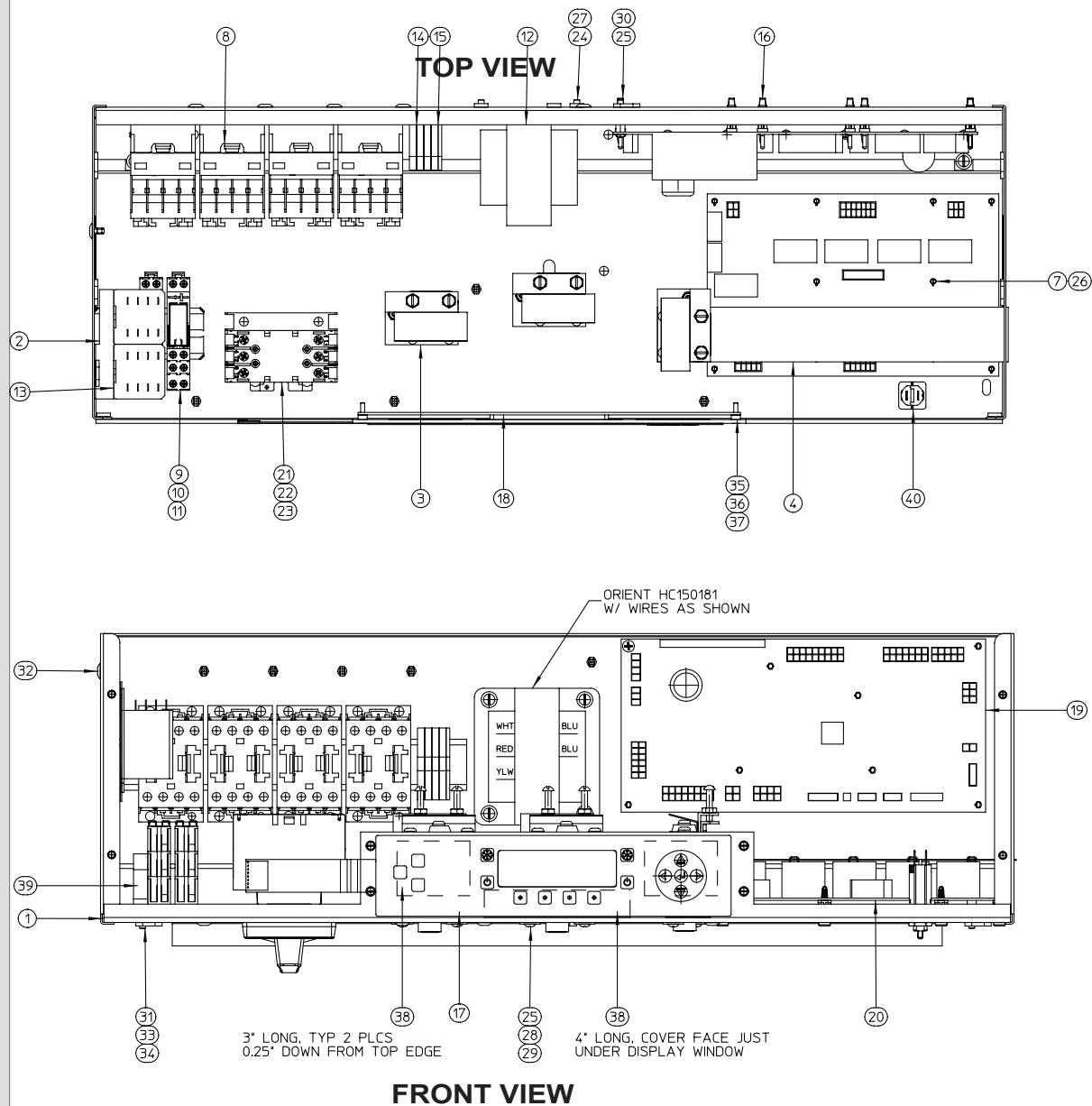
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Figure 8 Switch Box (Parts)

Item	Part No.	Description
1	HC150182	Breaker-Circuit 4A
2	HC150795	Strip-Terminal
3	HC150343	Relay-Control Flange DPDT 24VAC
4	HC150164	Relay-Miniature SPDT 24V Coil
4A	HC150165	Socket-Miniature Relay Clamp (4) (Not Shown)
4B	HC150166	Clip-Miniature Relay Retaining (4) (Not Shown)
5	HC120116	Relay-Assy. Overload 6-10A includes HC150173 Adaptor-Overload Din Rail HC150101 Adapter-Reset HC150176 Relay-Overload Bi-metal 1 & 3ph 6-10A
6	HC150136	Contactor-IEC 23A 24V Coil (Beater Motor)
6A	HC150133	Coil-Replace 24V (Not Shown)
7	HC150136	Contactor-IEC 23A 24V Coil (Compressor & Fan)
7A	HC150133	Coil-Replace 24V (Contactor)(Not Shown)
8	HC150278	Indicator-Mix Level 24V
8A	HC150541	Light-Indicator 28V ADD MIX (Not Shown)
8B	HC150119	Socket-Octal
8C	HC150120	Clip-Retainer (set of 2)
9	HC150261-01	Timer-DOB .5-45 Sec 24VAC
10	HC120095	Kit-Timer Wiring Instructions
11	HC150560	Timer-.05-3S DOM 24V
12	HC150257	Module-Plug on VariTime
13	HC150146	Deck-Adder 1 NO 1 NC
14	HC150218	Timer-5 Minute
14A	HC162604	Knob-Timer
15	HC120119	Lever-Assy. Reset & Button 193TA includes HC159036 Button-Reset
16	HC150465	Switch-Toggle 3PDT Center OFF (Selector)
17	HC113903	Switch-Assy. Spigot (See Figure 6) HC150456 Switch-Snap Button HC162321 Spring-Spigot Switch
18	HC159235	Switch-Toggle SPST (Mix Transfer System)
19	HC159235	Switch-Toggle SPST (Cabinet)

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Figure 9 GEN-102 Switch Box (Breakdown)



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

Figure 9 GEN-102 Switch Box (Parts)

Item	Part No.	Description
1	HC150182	Breaker-Circuit 4A
2	HC150795	Strip-Terminal
3	HC150343	Relay-Control Flange DPDT 24VAC
4	HC150164	Relay-Miniature SPDT 24V Coil
4A	HC150165	Socket-Miniature Relay Clamp (4) (Not Shown)
4B	HC150166	Clip-Miniature Relay Retaining (4) (Not Shown)
5	HC120116	Relay-Assy. Overload 6-10A includes HC150173 Adaptor-Overload Din Rail HC150101 Adapter-Reset HC150176 Relay-Overload Bi-metal 1 & 3ph 6-10A
6	HC150136	Contactor-IEC 23A 24V Coil (Beater Motor)
6A	HC150133	Coil-Replace 24V (Not Shown)
7	HC150136	Contactor-IEC 23A 24V Coil (Compressor & Fan)
7A	HC150133	Coil-Replace 24V (Contactor)(Not Shown)
8	HC150278	Indicator-Mix Level 24V
8A	HC150541	Light-Indicator 28V ADD MIX (Not Shown)
8B	HC150119	Socket-Octal
8C	HC150120	Clip-Retainer (set of 2)
9	HC150261-01	Timer-DOB .5-45 Sec 24VAC
10	HC120095	Kit-Timer Wiring Instructions
11	HC150560	Timer-.05-3S DOM 24V
12	HC150257	Module-Plug on VariTime
13	HC150146	Deck-Adder 1 NO 1 NC
14	HC150218	Timer-5 Minute
14A	HC162604	Knob-Timer
15	HC120119	Lever-Assy. Reset & Button 193TA includes HC159036 Button-Reset
16	HC150465	Switch-Toggle 3PDT Center OFF (Selector)
17	HC113903	Switch-Assy. Spigot (See Figure 6) HC150456 Switch-Snap Button HC162321 Spring-Spigot Switch
18	HC159235	Switch-Toggle SPST (Mix Transfer System)
19	HC159235	Switch-Toggle SPST (Cabinet)

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Use of unapproved parts will void warranty.

Figure 10 GEN-101 Panel Assembly (Breakdown)

Hardware for Panels for 929 RMT				
Panel	Screw	Nut-Speed	Spacer	Nut-Speed on Frame
Channel-Rear	HC 160048	HC 160117	n/a	n/a
Dispense	HC 160076	HC 159132	n/a	n/a
Front	HC 160076	n/a	n/a	HC 159057
Rear	HC 159219	HC 160114	HC 138456	n/a
Side	HC 159219	HC 160114	HC 138456	n/a
Top	HC 160005	n/a	n/a	n/a
Trim Strip	HC 160076	HC 159057	n/a	n/a
n/a - Not Applicable				

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Use of unapproved parts will void warranty.

Figure 10 GEN-101 Panel Assembly (Parts)

Item	Part No.	Description
1.....	HC114157-01.....	Panel-Assy Top (WC and AC Remote)
	 HC116567	Panel-Assy Top (AC)
2.....	HC135254.....	Channel-Rear LH
3.....	HC136289.....	Panel-Side LH
4.....	HC136313.....	Panel-Rear
	HC138982.....	Panel-Upper Rear (AC Remote)(Not Shown)
	HC138983.....	Panel-Lower Rear (AC Remote)(Not Shown)
5.....	HC130021.....	Channel-Rear RH
6.....	HC136216.....	Panel-Side RH
7.....	HC115115	Panel-Assy Front includes
	HC159175	Catch-Bullet (Drip Tray Button)
	HC160289	Nut-Push Round (Clip for Button)
8.....	HC159050.....	Receptacle-Snap In
9.....	HC159175.....	Catch-Bullet .268 OD x .343 ST (Drip Tray Button)
9A....	HC160289.....	Nut-Push Round (Clip for Button) (Not Shown)
10.....	HC116355.....	Cover-Assy. Electric Box
11.....	HC150561-01.....	Light-Pilot Red 24v (Compressor)
12.....	HC150562-01.....	Light-Pilot Amber 24v (Beater Motor)
13.....	HC119336-02.....	Trimstrip-Assy. 26 in. IDQ
14.....	HC140133.....	Panel-Dispense
15.....	HC150541.....	Light-Indicator 28v "Add Mix"
16.....	HC114341.....	Stud-Assy. Cylinder 1-15/16"
17.....	HC162045.....	Hinge-Pivot 1-3/8" Top LH includes
	HC162052	Spring L.H.
18.....	HC118597.....	Actuator-Assy. Door Switch
19.....	HC136199.....	Pull-Door (Handle)
20.....	HC114260-03.....	Door Assy-Complete 26 in. IDQ includes
	HC160563	Gasket-Magnetic
	HC136199	Door-Pull (Handle)
21.....	HC162046.....	Hinge-Pivot 1-3/8" Bottom LH
22.....	HC196108-01.....	Tray-Drip 26" White
23.....	HC114608.....	Insert-Assy. Drip Tray Assy includes
	HC199030	Bumper-Rubber

AC = Air Cooled

WC = Water Cooled

ACR = Air Cooled Remote

LH = Left hand side of freezer when facing front.

RH = Right hand side of freezer when facing

Panel Decals & Labels	
Part No.	Description
HC 165119	6" Air Flow
HC 165025	Beater Warning
HC 164031	Blade Installation
HC 165249	Cleaning Instructions
HC 165083	Clear Overlay
HC 165013	CMT Patent
HC 165002	General Purpose Recept
HC 164110	MTS Connect Red Line
HC 164127	Operating Instructions
HC 165126	Panel Removal
HC 165124	Top Air Discharge
HC 165440-02	Trimstrip IDQ 26"
HC 165133-01	Trimstrip LH
HC 164476-01	Trimstrip RH
HC 165246	Warning - Pressurized

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

Figure 11 GEN-102 Panel Assembly (Breakdown)

Hardware for Panels for 929RMT				
Panel	Screw	Nut-Speed	Spacer	Nut-Speed on Frame
Channel-Rear	HC 160048	HC 160117	n/a	n/a
Dispense	HC 160076	HC 159132	n/a	n/a
Front	HC 160076	n/a	n/a	HC 159067
Rear	HC 159219	HC 160114	HC 138496	n/a
Side	HC 159219	HC 160114	HC 138496	n/a
Top	HC 160005	n/a	n/a	n/a
Trim Strip	HC 160076	HC 159067	n/a	n/a
n/a - Not Applicable				

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

Figure 11 GEN-102 Panel Assembly (Parts)

Item	Part No.	Description
1.....	HC114157-01.....	Panel-Assy Top (WC and AC Remote)
.....	HC116567.....	Panel-Assy Top (AC)
2.....	HC135254.....	Channel-Rear LH
3.....	HC136289.....	Panel-Side LH
4.....	HC136313.....	Panel-Rear
.....	HC138982.....	Panel-Upper Rear (AC Remote)(Not Shown)
.....	HC138983.....	Panel-Lower Rear (AC Remote)(Not Shown)
5.....	HC130021.....	Channel-Rear RH
6.....	HC136216.....	Panel-Side RH
7.....	HC115115.....	Panel-Assy Front includes
.....	HC159175.....	Catch-Bullet (Drip Tray Button)
.....	HC160289.....	Nut-Push Round (Clip for Button)
8.....	HC159050.....	Receptacle-Snap In
9.....	HC159175.....	Catch-Bullet .268 OD x .343 ST (Drip Tray Button)
9A.....	HC160289.....	Nut-Push Round (Clip for Button) (Not Shown)
10.....	HC116355.....	Cover-Assy. Electric Box
11.....	HC150561-01.....	Light-Pilot Red 24v (Compressor)
12.....	HC150562-01.....	Light-Pilot Amber 24v (Beater Motor)
13.....	HC119336-02.....	Trimstrip-Assy. 26 in. IDQ
14.....	HC140133.....	Panel-Dispense
15.....	HC150541.....	Light-Indicator 28v "Add Mix"
16.....	HC114341.....	Stud-Assy. Cylinder 1-15/16"
17.....	HC162045.....	Hinge-Pivot 1-3/8" Top LH includes
.....	HC162052.....	Spring L.H.
18.....	HC118597.....	Actuator-Assy. Door Switch
19.....	HC136199.....	Pull-Door (Handle)
20.....	HC114260-03.....	Door Assy-Complete 26 in. IDQ includes
.....	HC160563.....	Gasket-Magnetic
.....	HC136199.....	Door-Pull (Handle)
21.....	HC162046.....	Hinge-Pivot 1-3/8" Bottom LH
22.....	HC196108-01.....	Tray-Drip 26" White
23.....	HC114608.....	Insert-Assy. Drip Tray Assy includes
.....	HC199030.....	Bumper-Rubber

AC = Air Cooled

WC = Water Cooled

ACR = Air Cooled Remote

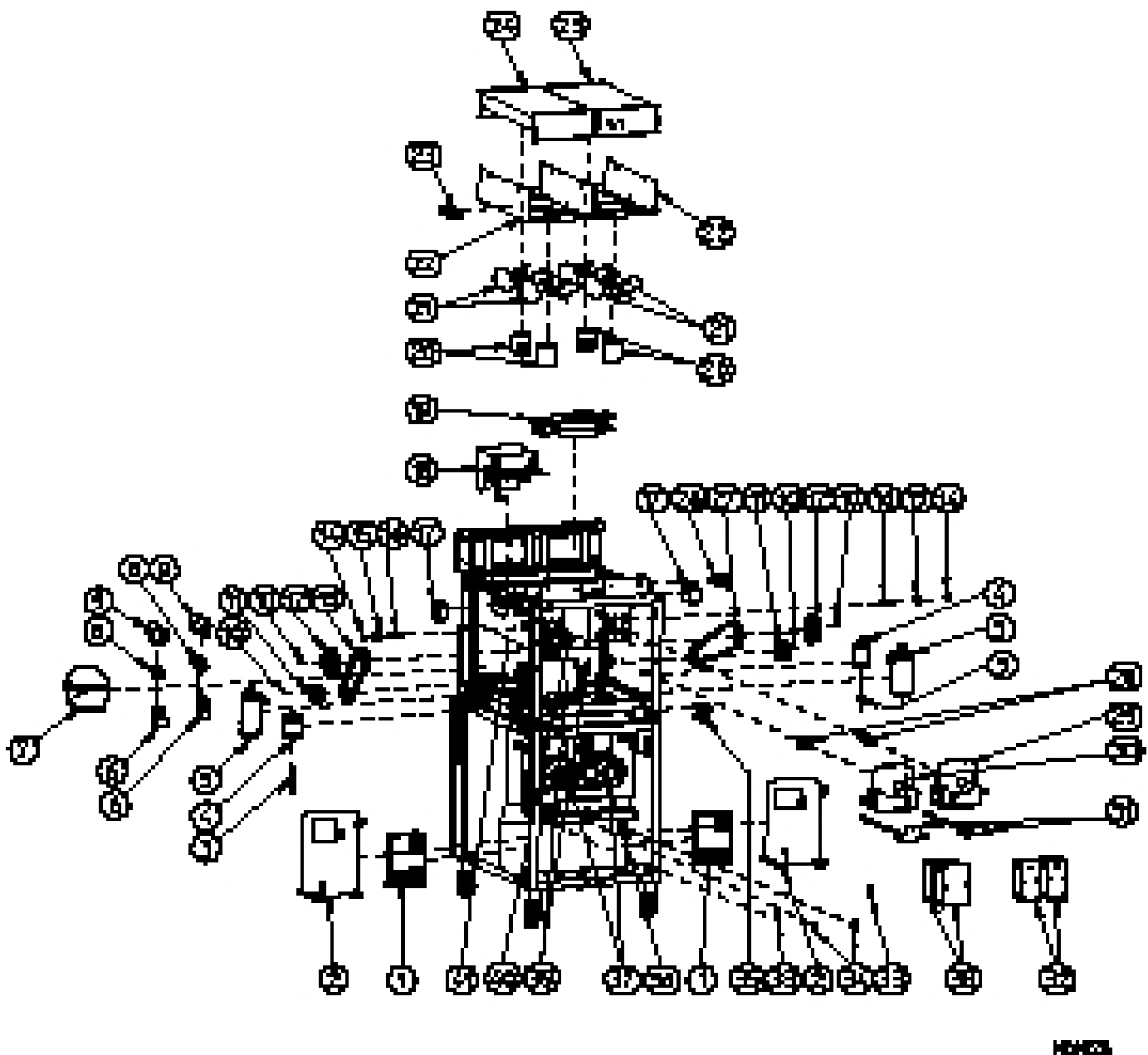
LH = Left hand side of freezer when facing front.

RH = Right hand side of freezer when facing front.

Panel Decals & Labels	
Part No.	Description
HC 165119	6" Air Flow
HC 165025	Beater Warning
HC 164031	Blade Installation
HC 165249	Cleaning Instructions
HC 165093	Clear Overlay
HC 165013	CMT Patent
HC 165002	General Purpose Recept
HC 164110	MTS Connect Red Line
HC 164127	Operating Instructions
HC 165126	Panel Removal
HC 165124	Top Air Discharge
HC 165402-02	Trimstrip IDQ 26"
HC 165133-01	Trimstrip LH
HC 164476-01	Trimstrip RH
HC 165246	Warning - Pressurized

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

Figure 12 GEN-101 Side/Rear View (Breakdown)



MODEL

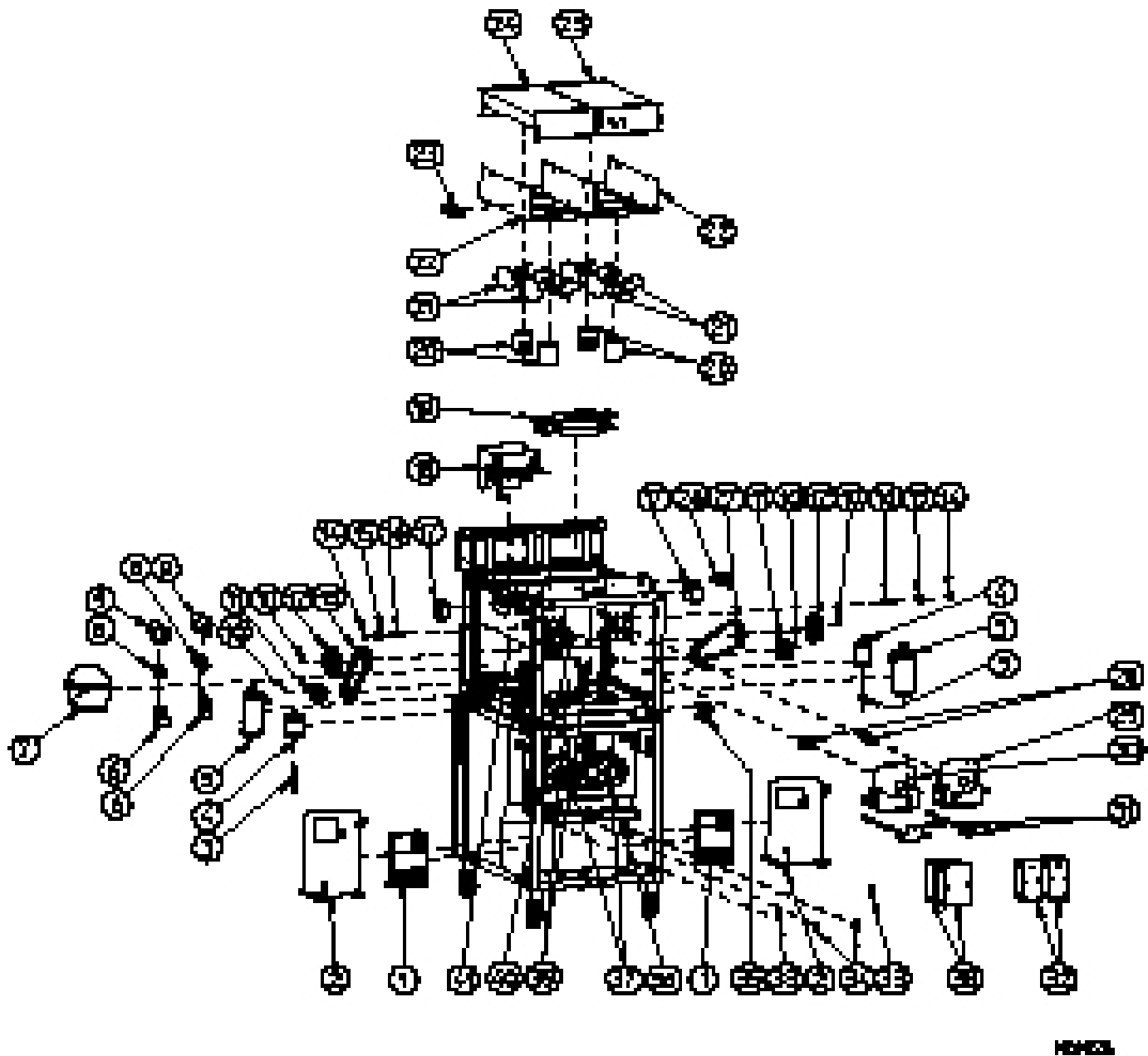
Use only original or authorized replacement parts with this freezer.
Use of unapproved parts will void warranty.

Figure 12 GEN-101 Side/Rear View (Parts)

Item	Part No	Description	Item	Part No	Description
1.....	-----	Box-Assy. Capacitor & Relay (1 Phase Only)(Compressor) HC150362 Capacitor-Run HC151460 Capacitor-Start HC151459 Relay-Compressor	23.....	HC120123	Tube-Assy Suction Cap Dryer (AC)
2.....	HC119508	Compressor-Assy (1 Phase) includes compressor and HC150362 Capacitor-Run HC151460 Capacitor-Start HC155054 Filter-Drier HC151478 Grommet-Comp.Mtg. HC151459 Relay-Compressor HC151479 Sleeve-Comp. Mtg.	24.....	HC155101	Condenser-Air Rifled (AC)
or	HC119815	Compressor-Assy. (3 Phase) in- cludes compressor and HC155054 Filter-Drier HC151478 Grommet-Comp.Mtg. HC151479 Sleeve-Comp. Mtg.	25.....	HC155102	Condenser-Air Rifled (AC)
2A.....	HC165534	Insulation-Comp. Wrap Bristol	26.....	HC118813	Kit-CAB Thermostat
2B.....	HC160419	Rivet-Ratchet Plastic	27.....	HC153171	Belt-V LH
3.....	HC155059	Glass-Sight	28.....	HC111964	Coupling-Assy 1 in Drive
4.....	HC155054	Drier-Filter 16 cu in	29.....	HC153355	Reducer-Gear LH 10/1
5.....	HC155071	Receiver-3lb 3/8 ID(AC W/C)	30.....	HC153356	Reducer-Gear RH 10/1
or	HC155058	Receiver-12 lb. Sweat Horiz (ACR) (not shown)	31.....	HC114374	Tube-Assy Drain
6.....	HC155491	Valve-Solenoid 24V	32.....	HC120122	Transformer-Assy 24V 96VA HC150181 Transformer-CL2 HC150180 Control-Vltg Mntr
6A.....	HC155434	Kit-Solenoid Valve Repair	33.....	HC155482	Cut Out-Low Pressure 0 PSIG (WC & AC)
7.....	HC120299	Kit-Compressor NL6.1MF (Cabinet) includes HC150942 Capacitor-Start HC155498 Drier-Filter w/Access HC151473 Relay-Compr. Start	or.....	HC155465	Cut Out-Low Pressure (ACR)
8.....	HC155493	Valve-Automatic Expansion (Cylinder)	34.....	HC155481	Cut Out-High Pressure 440 PSIG (AC)
9.....	HC165531	Insulation-Expansion Valve	or.....	HC155484	Cut Out-High Pressure 375 PSIG (WC)
10.....	HC153322	Key-Drive 3/16 Sq x 1 1/2	or.....	HC155425	Cut Out-High Pressure (ACR)
11.....	HC153626	Sheave-7/8 Bore 325 OD 30 OPD (Pulley-Driven)	35.....	HC120482	Switch-Assy Voltage Setting
11A.....	HC160495	Screw-SK Set 5/16-18 x 3/8	36.....	HC120125	Pan-Assy Condensate
12.....	HC153625	Sheave-3/4 Bore 475 OD 45 PD (Pulley-Drive)	37.....	HC118751	MT-Assy CAB Red Line (See figure 4)
12A.....	HC160495	Screw-SK Set 5/16-18 x 3/8	38.....	HC119398	Box-Assy Cap & Components (Beater motor - 1 phase only HC150244 Capacitor-Run HC150294 Capacitor-Start (2)
13.....	HC153162	Belt-V RH	39.....	HC151052	Motor-Beater 2 hp (3 ph.)
14.....	HC116105	Nut-Assy Pressure Switch	or.....	HC119816	Kit-Motor & Cap 2 hp FE7109 (1 phase) includes motor and HC150244 Capacitor-Run HC150294 Capacitor-Start (2)
15.....	HC138827-01	Spacer-Curved Pressure Switch	40.....	HC120168	Cylinder-Assy Complete LH
16.....	HC118712	Kit-Pressure Switch 30PSI	41.....	HC120169	Cylinder-Assy Complete RH
17.....	HC119989	Kit-Thermostat-& Retainer	Not Shown		
18.....	HC120189	Condenser-Assy CAB Comp (WC & ACR) HC151017 Motor-Fan 5 Watt HC155139 Condenser-Air 8 x 8 HC159032 Blade-Fan 6" 20°	HC112080 Valve-Assy Water (WC) HC155410 Valve-Water HC155586 Adapter-Bulkhead 1/2 FPT (WC) HC155616 Adapter- 1/2 Hose Barb x 1/2 MPT Brass (WC) HC116781-02 Condenser-Assy 2HP Remote (ACR) (See figure 13) HC161216 Sensor-10K Thermistor HC155495 Heat-Exchanger		
19.....	HC155029	Condenser-Water (WC)	For Cabinet Refrigeration System R134a: HC155399 Valve-Thermostatic Expansion HC155498 Drier-Filter w/Access		
20.....	HC151077-01	Motor-Fan 50W 230V 50/60 Hz (AC)	LH or RH — Left or right hand is determined as you ace the front of freezer.		
21.....	HC159023	Blade-Fan 11in 36 Deg (AC)	AC = Air cooled		
22.....	HC138465	Shroud-Fan (AC)	WC = Water Cooled		
			ACR = Air Cooled Remote		

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

Figure 13 GEN-102 Side/Rear View (Breakdown)



185232-01

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

Figure 13 GEN-102 Side/Rear View (Parts)

Item	Part No	Description	Item	Part No	Description
1.....	-----	Box-Assy. Capacitor & Relay (1 Phase Only)(Compressor) HC150362 Capacitor-Run HC151460 Capacitor-Start HC151459 Relay-Compressor	23.....	HC120123	Tube-Assy Suction Cap Dryer (AC)
2.....	HC119508	Compressor-Assy (1 Phase) includes compressor and HC150362 Capacitor-Run HC151460 Capacitor-Start HC155054 Filter-Drier HC151478 Grommet-Comp.Mtg. HC151459 Relay-Compressor HC151479 Sleeve-Comp. Mtg.	24.....	HC155101	Condenser-Air Rifled (AC)
or.....	HC119815	Compressor-Assy. (3 Phase) in- cludes compressor and HC155054 Filter-Drier HC151478 Grommet-Comp.Mtg. HC151479 Sleeve-Comp. Mtg.	25.....	HC155102	Condenser-Air Rifled (AC)
2A.....	HC165534	Insulation-Comp. Wrap Bristol	26.....	HC118813	Kit-CAB Thermostat
2B.....	HC160419	Rivet-Ratchet Plastic	27.....	HC153171	Belt-V LH
3.....	HC155059	Glass-Sight	28.....	HC111964	Coupling-Assy 1 in Drive
4.....	HC155054	Drier-Filter 16 cu in	29.....	HC153355	Reducer-Gear LH 10/1
5.....	HC155071	Receiver-3lb 3/8 ID(AC W/C)	30.....	HC153356	Reducer-Gear RH 10/1
or.....	HC155058	Receiver-12 lb. Sweat Horiz (ACR) (not shown)	31.....	HC114374	Tube-Assy Drain
6.....	HC155491	Valve-Solenoid 24V	32.....	HC120122	Transformer-Assy 24V 96VA HC150181 Transformer-CL2 HC150180 Control-Vltg Mntr
6A.....	HC155434	Kit-Solenoid Valve Repair	33.....	HC155482	Cut Out-Low Pressure 0 PSIG (WC & AC)
7.....	HC120299	Kit-Compressor NL6.1MF (Cabinet) includes HC150942 Capacitor-Start HC155498 Drier-Filter w/Access HC151473 Relay-Compr. Start	or.....	HC155465	Cut Out-Low Pressure (ACR)
8.....	HC155493	Valve-Automatic Expansion (Cylinder)	34.....	HC155481	Cut Out-High Pressure 440 PSIG (AC)
9.....	HC165531	Insulation-Expansion Valve	or.....	HC155484	Cut Out-High Pressure 375 PSIG (WC)
10.....	HC153322	Key-Drive 3/16 Sq x 1 ½	or.....	HC155425	Cut Out-High Pressure (ACR)
11.....	HC153626	Sheave-7/8 Bore 325 OD 30 OPD (Pulley-Driven)	35.....	HC120482	Switch-Assy Voltage Setting
11A.....	HC160495	Screw-SK Set 5/16-18 x 3/8	36.....	HC120125	Pan-Assy Condensate
12.....	HC153625	Sheave-3/4 Bore 475 OD 45 PD (Pulley-Drive)	37.....	HC118751	MT-Assy CAB Red Line (See figure 4)
12A.....	HC160495	Screw-SK Set 5/16-18 x 3/8	38.....	HC119398	Box-Assy Cap & Components (Beater motor - 1 phase only HC150244 Capacitor-Run HC150294 Capacitor-Start (2)
13.....	HC153162	Belt-V RH	39.....	HC151052	Motor-Beater 2 hp (3 ph.)
14.....	HC116105	Nut-Assy Pressure Switch	or.....	HC119816	Kit-Motor & Cap 2 hp FE7109 (1 phase) includes motor and HC150244 Capacitor-Run HC150294 Capacitor-Start (2)
15.....	HC138827-01	Spacer-Curved Pressure Switch	40.....	HC120168	Cylinder-Assy Complete LH
16.....	HC118712	Kit-Pressure Switch 30PSI	41.....	HC120169	Cylinder-Assy Complete RH
17.....	HC119989	Kit-Thermostat-& Retainer	Not Shown		
18.....	HC120189	Condenser-Assy CAB Comp (WC & ACR) HC151017 Motor-Fan 5 Watt HC155139 Condenser-Air 8 x 8 HC159032 Blade-Fan 6" 20°	HC112080 Valve-Assy Water (WC) HC155410 Valve-Water HC155586 Adapter-Bulkhead ½ FPT (WC) HC155616 Adapter- ½ Hose Barb x ½ MPT Brass (WC) HC116781-02 Condenser-Assy 2HP Remote (ACR) (See figure 13) HC161216 Sensor-10K Thermistor HC155495 Heat-Exchanger		
19.....	HC155029	Condenser-Water (WC)	For Cabinet Refrigeration System R134a: HC155399 Valve-Thermostatic Expansion HC155498 Drier-Filter w/Access		
20.....	HC151077-01	Motor-Fan 50W 230V 50/60 Hz (AC)	LH or RH — Left or right hand is determined as you ace the front of freezer.		
21.....	HC159023	Blade-Fan 11in 36 Deg (AC)	AC = Air cooled		
22.....	HC138465	Shroud-Fan (AC)	WC = Water Cooled		
			ACR = Air Cooled Remote		

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

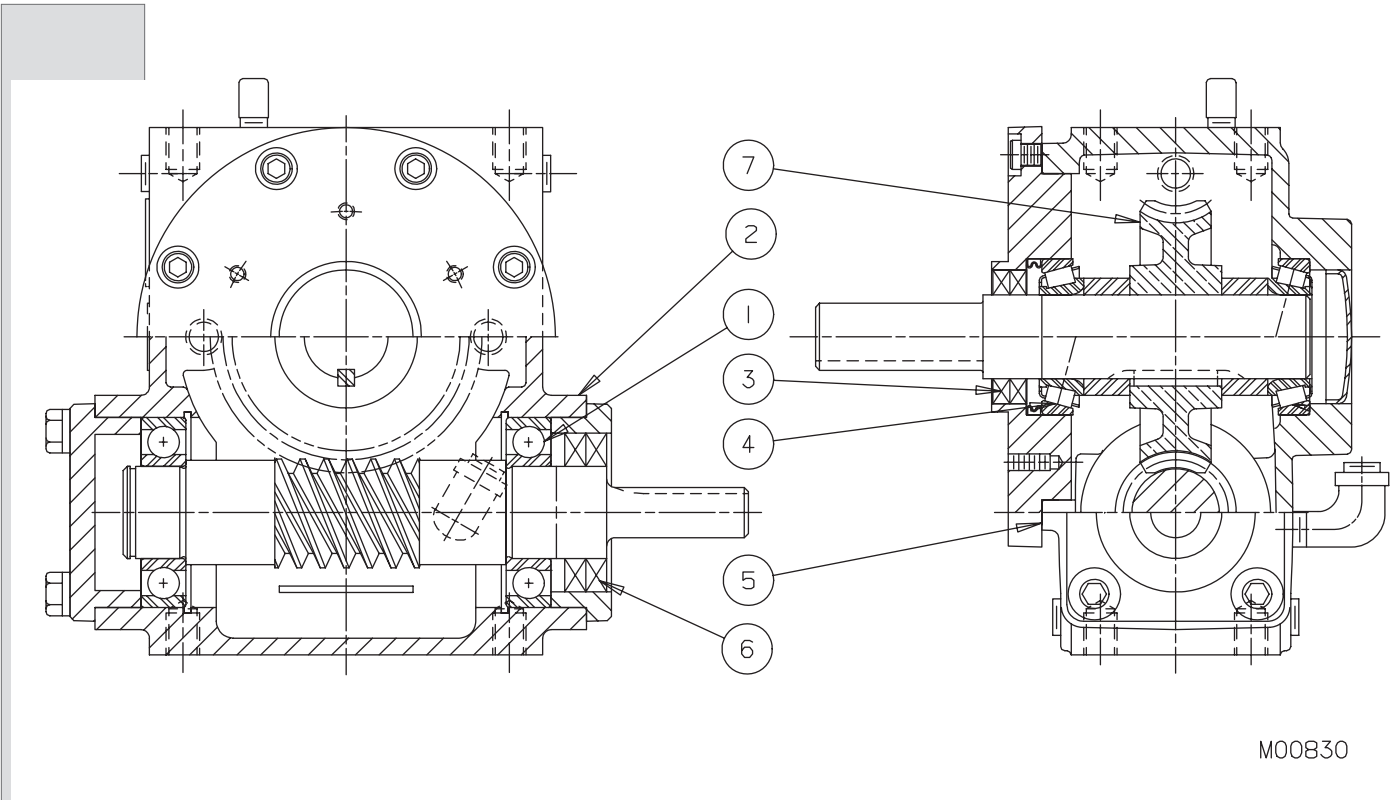


Figure 14 Gear Reducers

Model HCD926

HC153355 10:1 Ratio A Side HC153356 10:1 Ratio B Side

Item	Part No.	Description	Quantity Required
1	HC153065.....	Bearing-Ball 1.378 ID x 2.835 OD	2 ea.
2	HC153066.....	Gasket-High Speed	1 ea.
3	HC153071.....	Seal-Slow Speed	2 ea.
4	HC153068.....	Bearing-Slow Speed Cone 1.25"	2 ea.
4A	HC153069.....	Bearing-Slow Speed Cup 2.328"	2 ea.
5	HC153070.....	Gasket-Slow Speed	1 ea.
6	HC153067.....	Seal-High Speed	2 ea.
7	HC153301.....	Gear-Slow Speed	1 ea.

Not Shown:
HC118742..... Kit-Reducer Gasket Model HCD926

**Oil-Gear Reducer (per quart)

**Note: To order oil always verify type of oil from the tag located on the gear reducer. Improper oil usage will cause the gear reducer to fail.

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

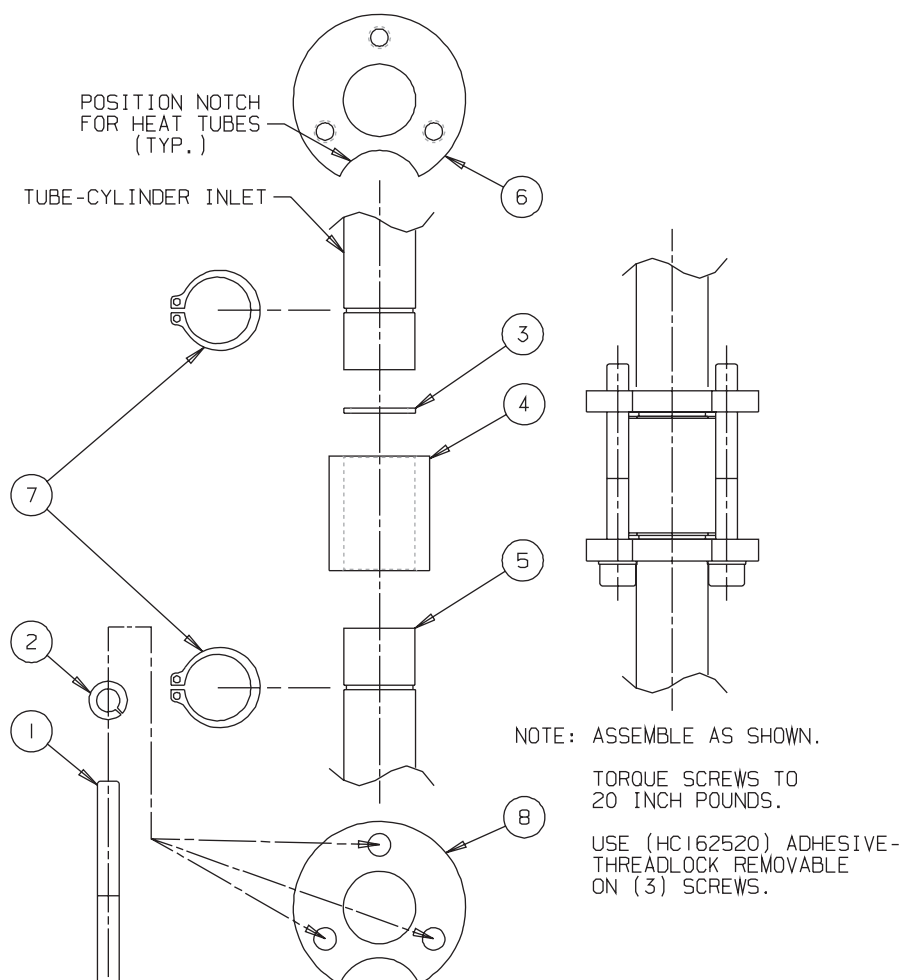
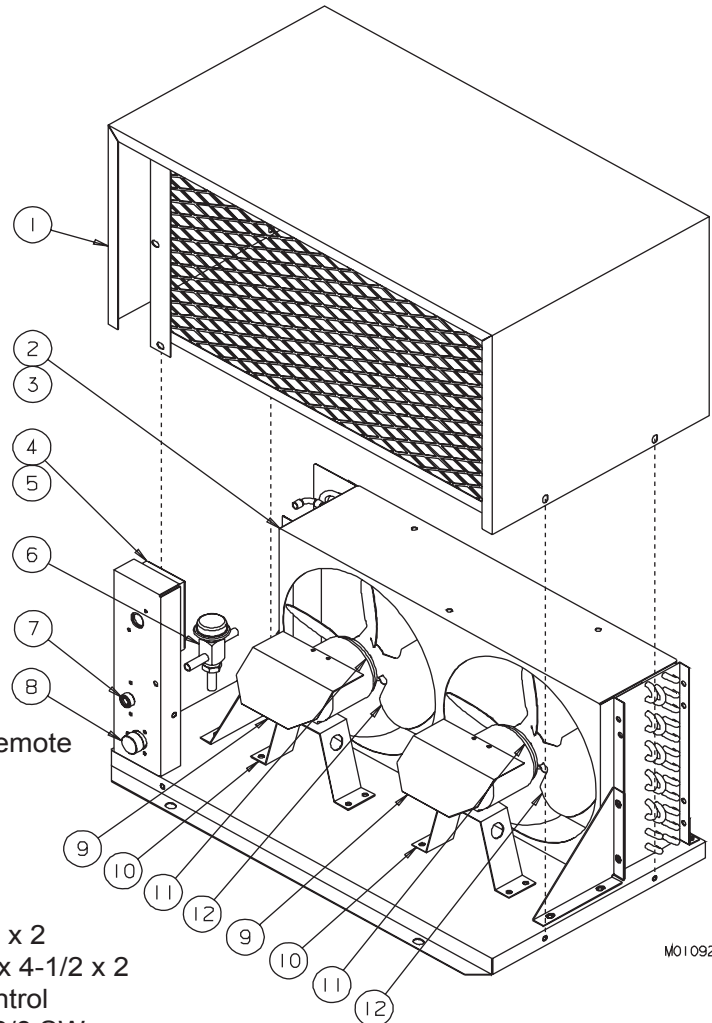


Figure 15 Mix Feed Seal Assembly

Item	Part No.	Description
1	HC160320	Screw-SKHC #10-24 x 1-3/4 SST
2	HC160166	Washer-Lock #10 SST
3	HC160556	Gasket-Mix Joint
4	HC139351	Collar-Alignment
5	HC139349	Tube-Mix Feed Clamp
6	HC139352	Clamp-Ring Threaded
7	HC160312	Ring-Retaining 5/8 Ext. SST
8	HC139353	Clamp-Ring

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Figure 16 Air Cooled Remote Condenser

Item	Part No.	Description
*	HC116781-02	Condenser-Assy. 2 Hp Remote (Complete)
1	HC117207	Cover-Assy. Condenser
2	HC155101	Condenser-Air Rifled
3	HC138465	Shroud-Fan
3A	HC137628	Brace-Condenser (Front)
4	HC150732	Box-Electric 2-3/4 x 4-1/2 x 2
5	HC150737	Cover-Electric Box 2-3/4 x 4-1/2 x 2
6	HC155454	Valve-Head Pressure Control
7	HC153420	Coupling-Refr. 3/8 MQC 3/8 SW
7A	HC191538	Plate-Coupling Mtg.
8	HC153418	Coupling-Refr. 1/2MQC 1/2 SW
8A	HC153502	Flange-Refr. Coupling Mount
8B	HC153503	Cap-Dust Refr. Coupling
9	HC139017	Shield-Motor Rain
10	HC137632	Bracket-Fan Condenser
11	HC151072	Motor-Fan 50W 230V 60Hz RM
12	HC159029	Blade-Fan 11" Dia 36°
13	HC117206	Base-Assy. Condenser
14	HC137629	Support-Condenser

* Includes all items above.

Not Shown:

- HC155058 Receiver-12 lb. Sweat Horiz.
- HC155465 Cut Out-Low Pressure
- HC155466 Control-Pressure Fan
- HC155487 Check-Valve 5/8 ODF Sweat
- HC119124 Kit-25 Foot Line Sets 404a
- HC119125 Kit-50 Foot Line Sets 404a

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Use of unapproved parts will void warranty.**

Accessories

Part No.	Description
HC196103	Bottle-Wash 500ml
HC158004	Brush-4-inch with 36-inch handle (Cylinder)
HC158009	Brush-4-inch w/o handle
HC158018	Brush-7/16 Dia. x 12 in. Overall Length
HC158019	Brush-9/16 Dia. x 30 in. Overall Length
HC158026	Brush-1 in. Dia. x 12 in. Long
HC158037	Brush-1/4 Dia. x 18-1/2 Overall Length
HC162105	Caster -1-1/4 ST PT w/Brake
HC162106	Caster-1-1/4 ST PT w/o Brake
HC184238	Chart-O-ring Ivory (Laminated)
HC158051	Cup-Overrun Measuring One Pint
HC136567	Hose-Spigot Drain
HC115538	Kit-O-ring Head
HC112978	Leg-6-inch
HC158054A.....	Lubricant-Lubri-Film (4 oz. tube)
HC150736	Nut-Lock Conduit 1-1/4 in. (Casters)
HC158014	Sanitizer-Stera-Sheen Case/4
HC158014A.....	Sanitizer-Stera-Sheen 4 lb. jar
HC158049	Scale-Overrun
HC117246	Sensor-Assy. Bag-in-Box (Adapter Kit)
HC169374	Tool-O-ring Removal
HC196006	Tee-5/8 x 5/8 x 5/8 White (Plastic Hose Connection)
HC196061	Tubing-.600ID x .850OD PVC (Mix Line-Std.)

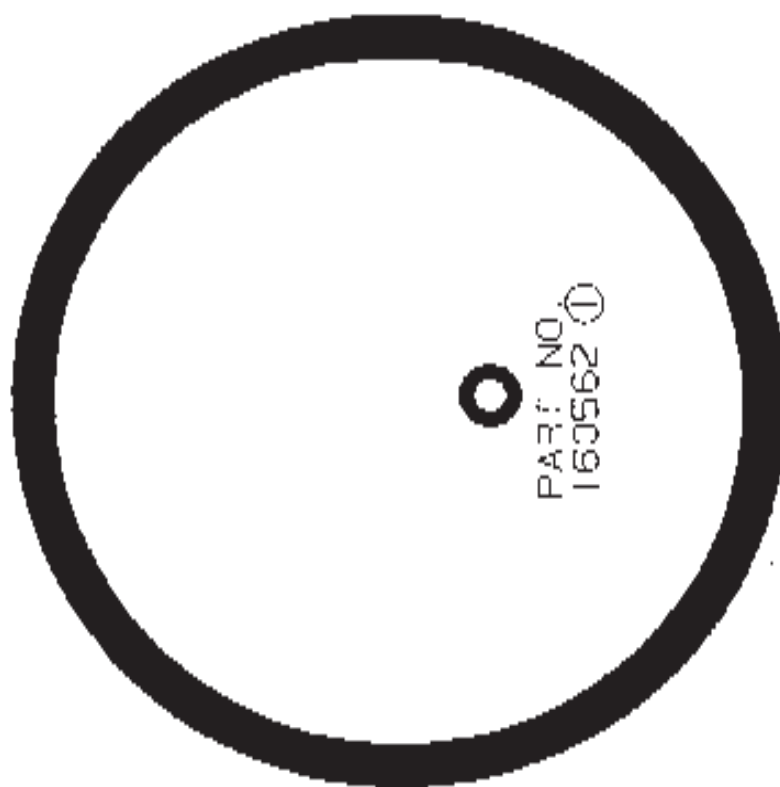
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O-Ring Chart

184238

SOFT SERVE DISPENSING HEADS

REV. A

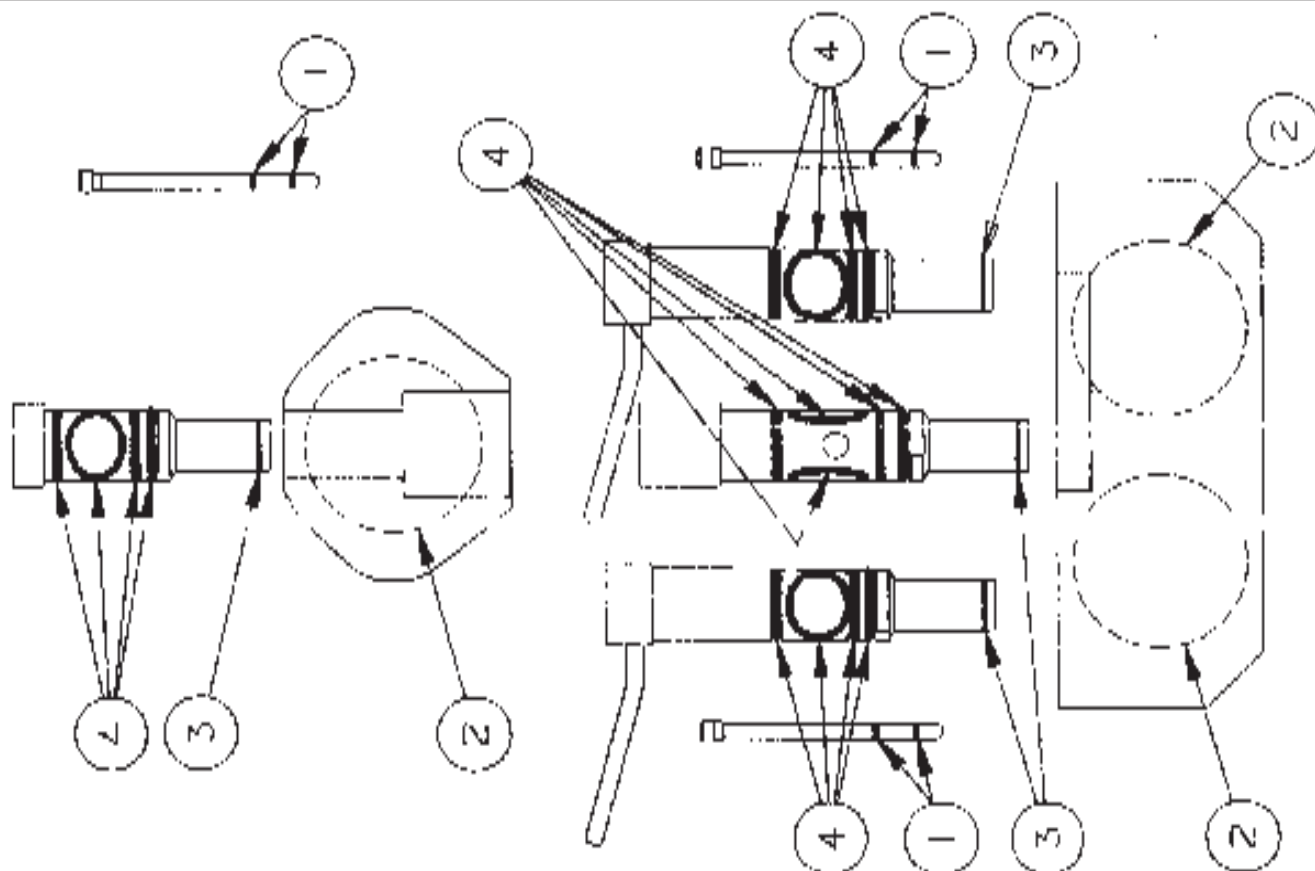


PART NO.
60583 ②



PART NO.
59295 ④

PART NO.
160584 ③



O-RING CHART

PH. NO. 309-755-4553

H.C. DUKE & SON, INC.