



ILLUSTRATED PARTS LIST

ICE/BEVERAGE DISPENSER

Model: PBD ED175 REF & PBD ED175 REF FL



PBD ED175 REF



PBD ED175 REF FL

Release Date: December 16, 2015

Publication Number: 620062761IPL

Revision Date: July 03, 2018

Revision: H

Visit the Cornelius web site at www.cornelius.com for all your Literature needs.

The products, technical information, and instructions contained in this manual are subject to change without notice. These instructions are not intended to cover all details or variations of the equipment, nor to provide for every possible contingency in the installation, operation or maintenance of this equipment. This manual assumes that the person(s) working on the equipment have been trained and are skilled in working with electrical, plumbing, pneumatic, and mechanical equipment. It is assumed that appropriate safety precautions are taken and that all local safety and construction requirements are being met, in addition to the information contained in this manual.

This Product is warranted only as provided in Cornelius' Commercial Warranty applicable to this Product and is subject to all of the restrictions and limitations contained in the Commercial Warranty.

Cornelius will not be responsible for any repair, replacement or other service required by or loss or damage resulting from any of the following occurrences, including but not limited to, (1) other than normal and proper use and normal service conditions with respect to the Product, (2) improper voltage, (3) inadequate wiring, (4) abuse, (5) accident, (6) alteration, (7) misuse, (8) neglect, (9) unauthorized repair or the failure to utilize suitably qualified and trained persons to perform service and/or repair of the Product, (10) improper cleaning, (11) failure to follow installation, operating, cleaning or maintenance instructions, (12) use of "non-authorized" parts (i.e., parts that are not 100% compatible with the Product) which use voids the entire warranty, (13) Product parts in contact with water or the product dispensed which are adversely impacted by changes in liquid scale or chemical composition.

Contact Information:

To inquire about current revisions of this and other documentation or for assistance with any Cornelius product contact:

www.cornelius-usa.com

800-238-3600

Trademarks and Copyrights:

This document contains proprietary information and it may not be reproduced in any way without permission from Cornelius.

This document contains the original instructions for the unit described.

CORNELIUS INC
101 Regency Drive
Glendale Heights, IL
Tel: + 1 800-238-3600

Printed in U.S.A.

COLD PLATE & WRAPPER ASSEMBLY

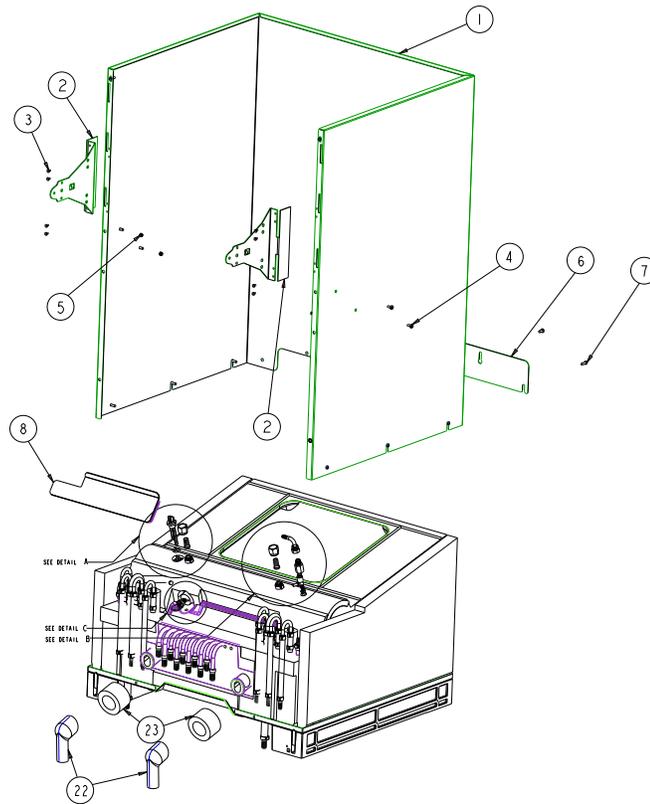


Figure 1.

NOTE: Cold plate assembly contact service REP.

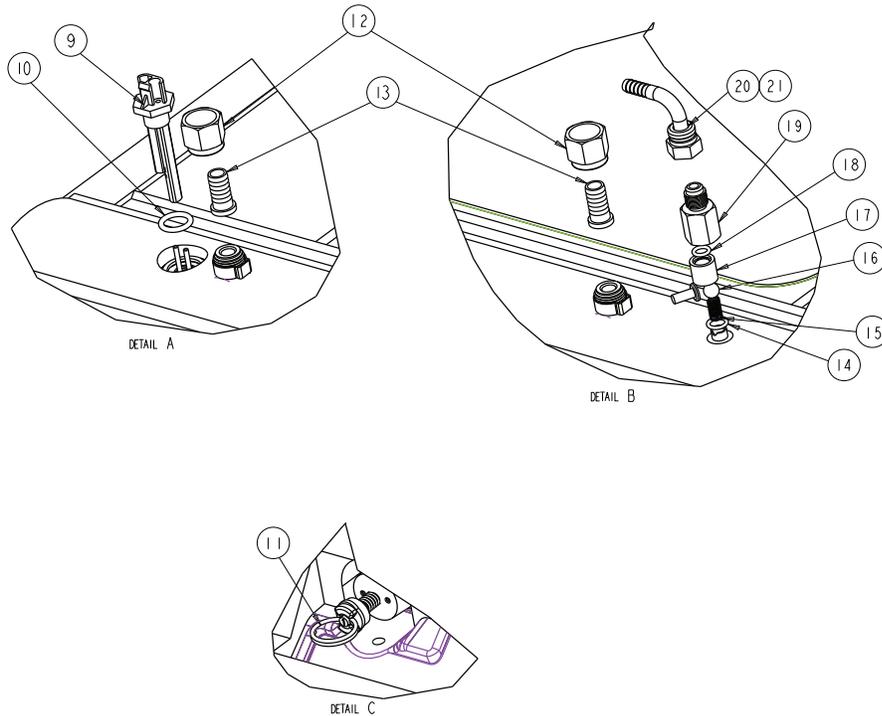


Figure 2.



Item No.	Part No.	Name
1	629088542	KIT WRAPPER REPLACEMENT ED/DF 175
2	620019701	HINGE GUSSET ED/DF
3	70320	RIVET POP 125D 063-125
4	70171	SCREW MA 08-32 TRPH 12 SS
5	70076	NUT HEX 08-32 STCA KEPS 1/8
6	620021201	COVER BACK WRAPPER ED150 8V
7	620705801	SCREW TT 08-18 TRPH 16 SSPA
8	620513603	COVER ACCS ED175 HICARB
9	560004687	PROBE LEVEL CNTL QUAD
10	31525007	O-RING 488ID 103CS 60DU BU-N
11	630001122	VALVE RELIEF ASY BLACK

Item No.	Part No.	Name
12	77030100	NUT SWIV 5/8-18 BRNI
13	77030500	FITG-NIPL 375TUBE 3/8FL NUT SS
14	150058000	O-RING 301ID 070CS 70DU EY-P
15	64678	SPRING
16	64560	BALL .3125 SS (CHECK VALVE)
17	64686	SLEEVE SS CHK VLV
18	317015000	O-RING 239ID 070CS 70DU EY-P
19	560006103	VALVE CHK BODY
20	178025100	GASKET 1/4 MALE FLARE FITG
21	77040100	FITG L-SWV 7/16-20F 1/4BRB
22	53011	FITG- ELBOW C-PLT DRAIN
23	50335	INSULATION ARMAFLEX 1 3/8 X 3/
*	560005109-001	HARN CARB PROBE SPIRE 3.0

NOTE: * Not Shown

AGITATION & ICE DISPENSE SYSTEMS

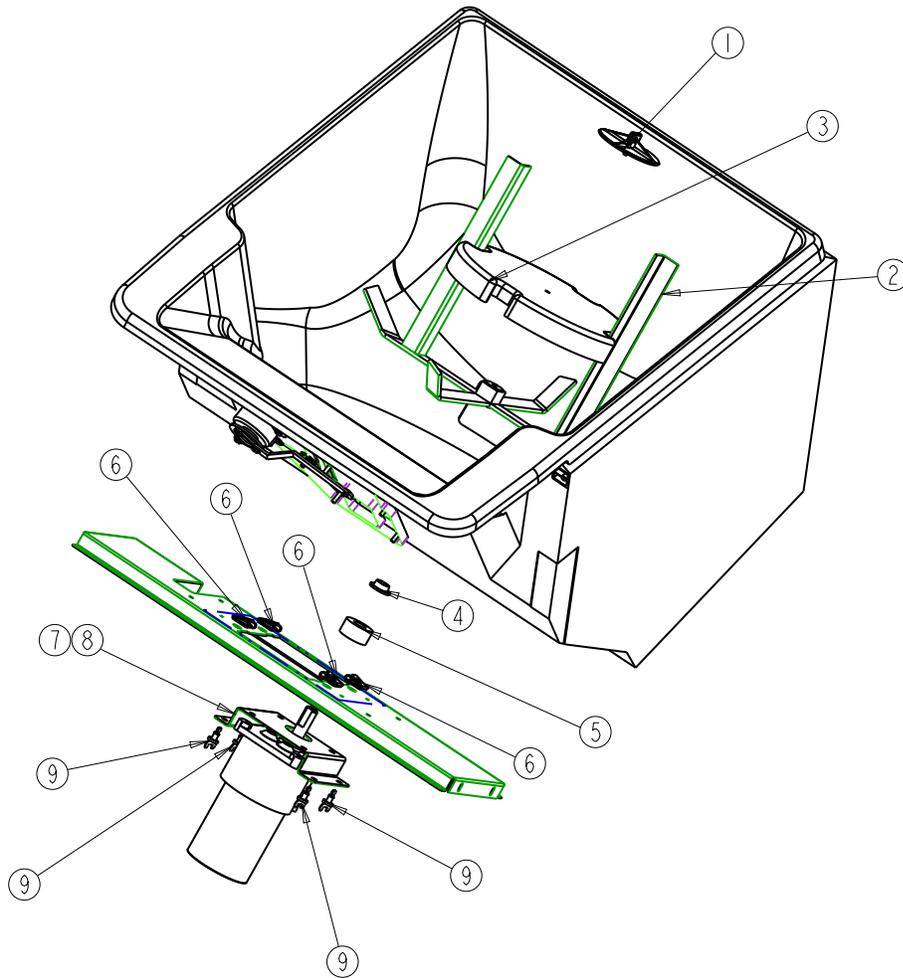


Figure 3.

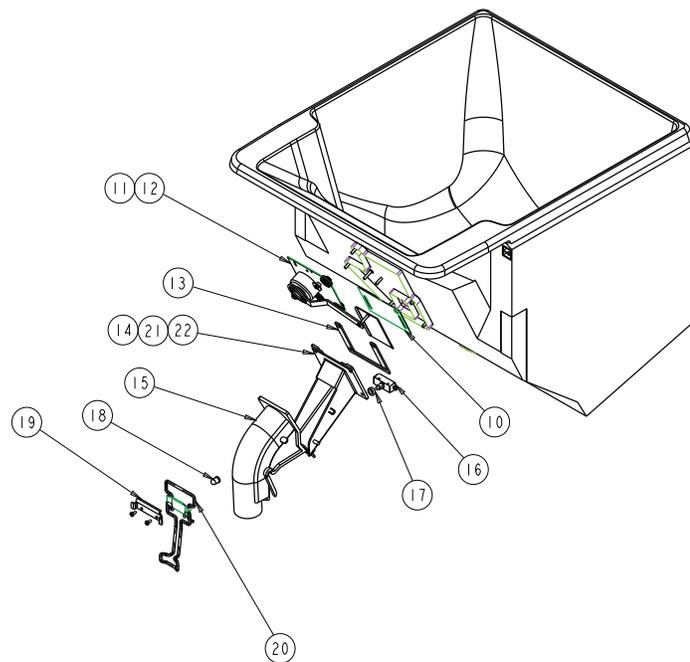


Figure 4.



Item No.	Part No.	Name
1	15087	RETAINER AGITATOR
2	15346	AGITATOR ASY
3	53227	AGITATOR DISK
4	620061993	SEAL SHAFT MOTOR
	620061994	GASKET MOTOR SHAFT
	620062925	QUAD-RING 612ID
5	52876	GASKET MOTOR SHAFT
6	70992	RECEPTACLE 1/4 TURN
7	620307901	KIT MOTOR 115V ED/DF/UC150 300
	629085402	KIT AGITATOR MTR DB150 220V
8	29303R	PLATE MOTOR MOUNTING
9	70994	STUD WING HEAD 1/4 TURN
10	620059707	GATE RESTRICTOR-TJ

Item No.	Part No.	Name
11	32954	SOLENOID ASY 115V
	03409	SOLENOID ASY 220V
12	21491	GATE SLIDE
13	620059717	GASKET ICE GATE OUTER
	620059718	GASKET ICE GATE INNER
14	620500901	CHUTE ICE ED/DF
15	53168	COVER ICE CHUTE
16	02070	KIT SWITCH
17	70847	SPACER SWT 2230
18	31007	BOOT SWITCH 2230AK6
19	27107	RETAINER LEVER ICE DIS
20	15488	LEVER ASY LONG
21	70056	WASHER- FT 219 500 049 SS #10
22	70017	NUT HEX 10-32 SS NYLOC
*	30794	HEATER AGIT MTR 2230AK6

NOTE: * (Not Shown)

Kit Ice Chute Double Gasket

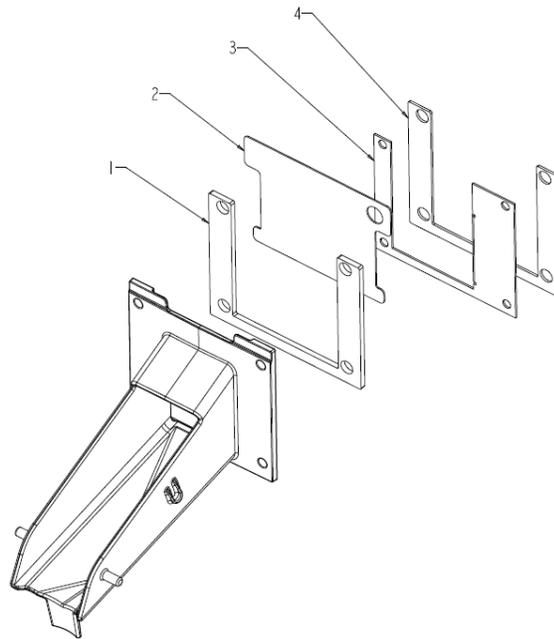


Figure 5

Item No.	Part No.	Name
1	620059717	GASKET ICE GATE OUTER
2	620059707	GATE RESTRICTOR-TJ

Item No.	Part No.	Name
3	620059705	DEFLECTOR ICE GATE
	620059706	DEFLECTOR ICE GATE RH
4	620059718	GASKET ICE GATE INNER

BEVERAGE VALVE SYSTEMS

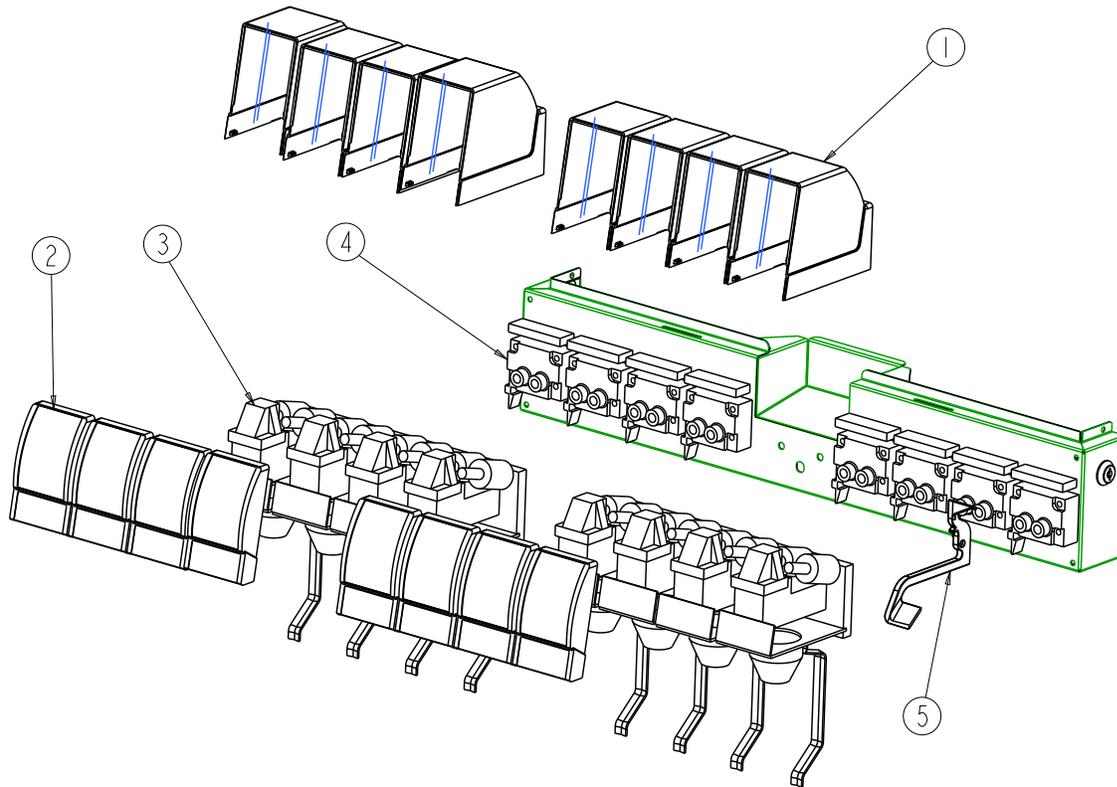


Figure 6.

Item No.	Part No.	Name
1	1950	COVER VAL UF1 BACK
2	1956	COVER VAL UF1 FNT
3	561000155	VAL UFB SSRLEVER 2-4OZ L/ B&CVR



Item No.	Part No.	Name
4	1919	BLOCK MTG ASSY UF1
5	620055688	LEVER VALVE WATER UFB/SFV1

FLAVOR SHOT VALVE & NOZZLE ASSEMBLY

NOTE: Used on PBD ED175 REF FL unit only.

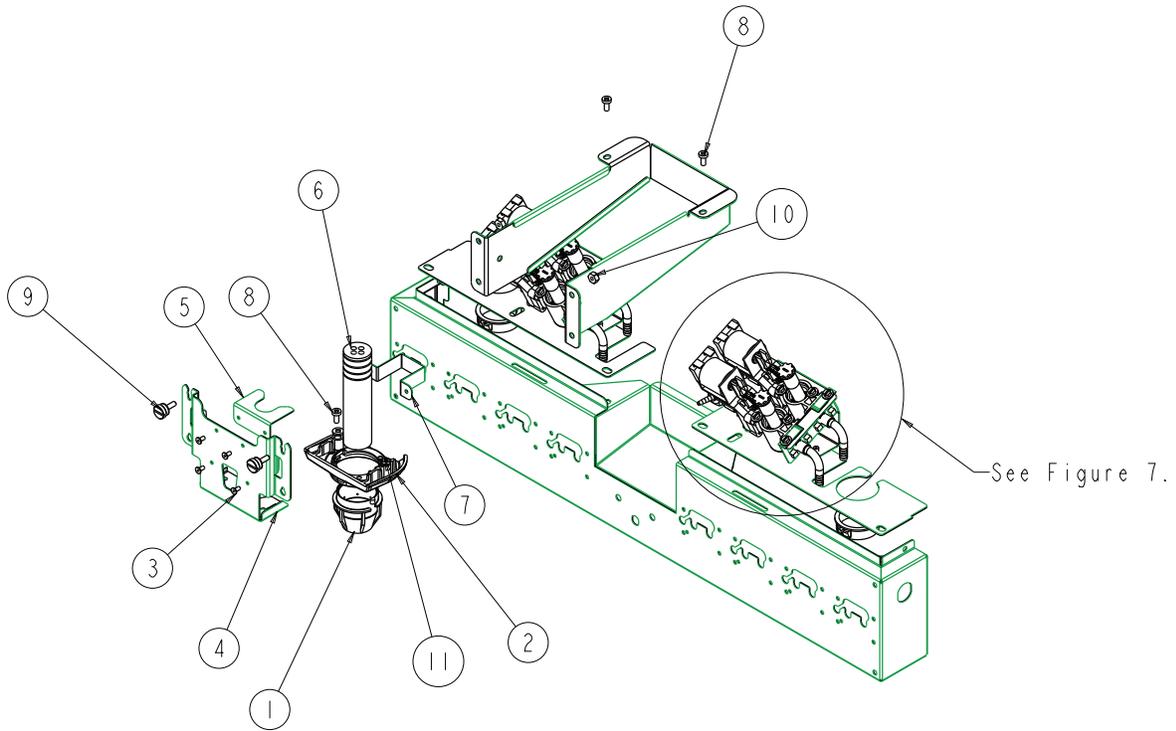


Figure 7.

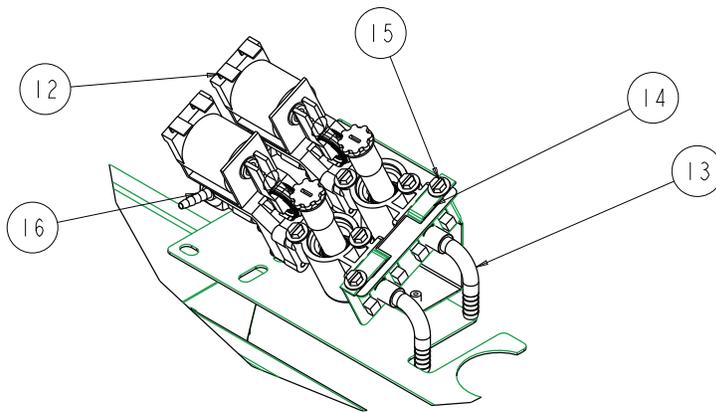


Figure 8.



Item No.	Part No.	Name
1	1945	NOZZLE OUTER MID RANGE UF1 BLK
2	620062813	FLAVOR SHOT BTM WITH INSERT LEGACY REFRESH
3	70320	RIVET POP 125D 063-125
4	620062618	SHOT MOUNTING PLATE LEGACY REFRESH
5	620062619	TUBE CARRIER LEGACY REFRESH
6	620715821	NOZZLE INNER FLAVOR BLAST
7	620062825	FLAVORSHOT TUBE STRAP LEGACY REFRESH
8	70171	SCREW MA 08-32 TRPH 12 SS



Item No.	Part No.	Name
9	70188	SCREW WG 08-32 KN 16
10	630901495	NUT 8-32 THIN NYLON 18-8 SS
11	620705801	SCREW TT 08-18 TRPH 16 SSPA
12	2487	VALVE SOLND ASSY SYR FCB V3+
13	620709068	FITG L-MIX 1/4BRB X 1/4 SS
14	620046335	RETAINER SYRUP MODULE SINGLE FLAVOR BLAST
15	319941000	SCREW TR 08-32 HXWS 12 STZ
16	620718932	FITG- 1/8BRB X 7/16-20F SS

ELECTRICAL BOX ASSEMBLY

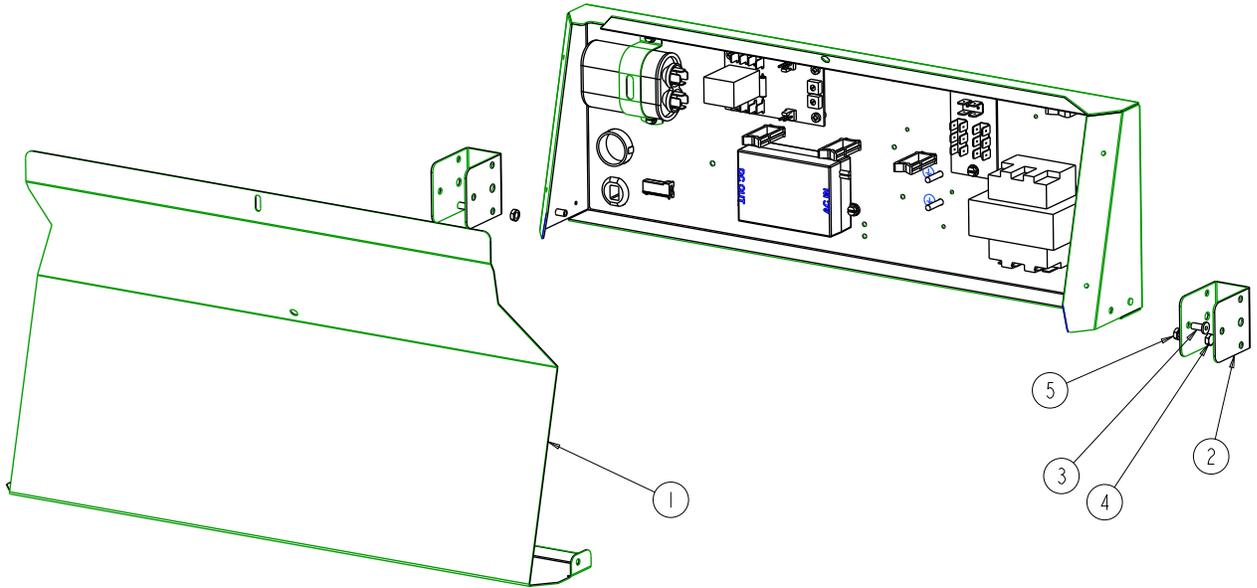


Figure 9.

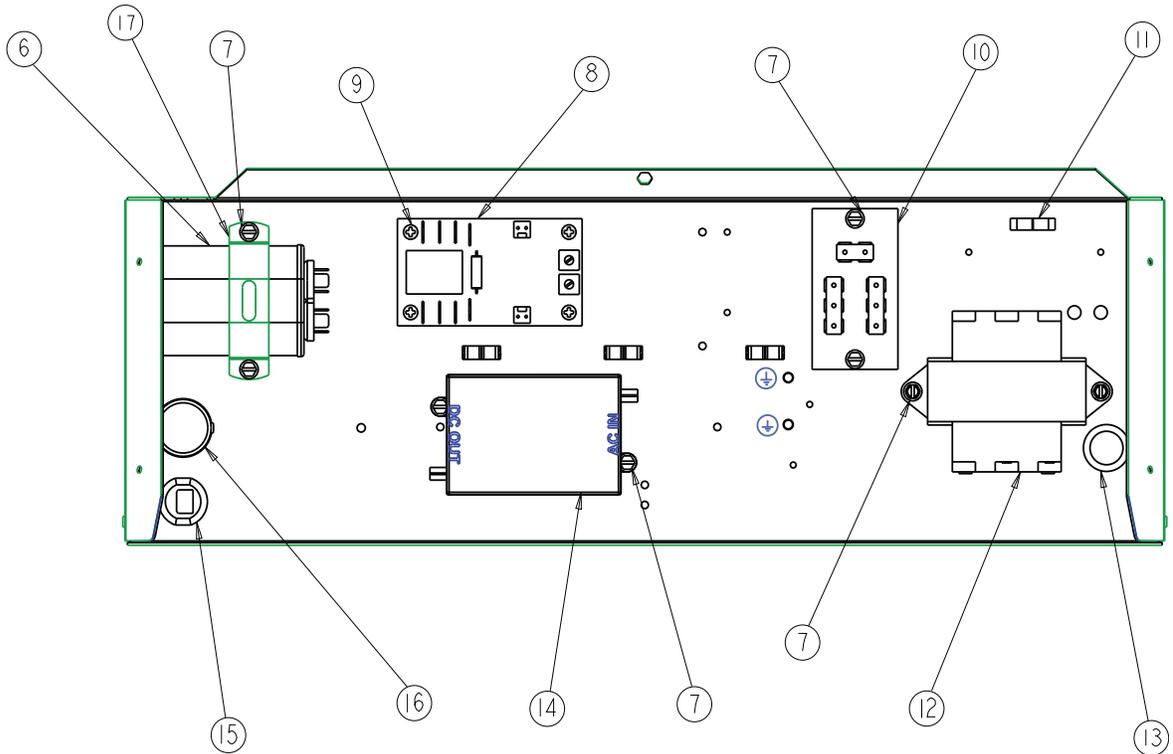


Figure 10.



Item No.	Part No.	Name
1	620057661	PANEL E-BOX COVER ICE ONLY ED175CH
2	620035402	BRKT ELEC BOX SPACER ED175
3	70319	RIVET POP 187D 188-250
4	70239	SCREW MA 10-32 HX 24 SS
5	321811000	NUT HEX 10-32
6	30774	CAPAC MOTOR AGIT 2230AK6 115V
	620314324	CAPAC RUN AGIT MOTOR 230VAC
7	70215	SCREW SM 08 TB HXWS 08
8	629087448	KIT AGITATOR TIMER RETROFIT DF/EDXXX 115 V
9	70147	SCREW SM 06 TB RDPH 16 STCA
10	31107	BOARD TERMINAL
11	53266	RETAINER WIRE ED200
12	449999999	TRANSFRMR 120V60H-24V 80VA PTC
	32829R	TRANSFRMR 220/24 80VA



Item No.	Part No.	Name
13	50475	BUSHING SNAP 875H 625ID SB875
14	620057649-A01	PWR-SUPPLY 24VDC 35W LED ASSY
15	50458	STRAINRELIEF
16	325192000	BUSHING SNAP 1.09 937ID SB1095
17	30514	STRAP CAPAC 115V
	620717212	STRAP CAPAC 230V
*	30794	HEATER AGIT MTR 2230AK6 115V
	32826	HEATER AGIT MOTOR 230V
*	30995	CORD-ASY 115V
	NA	For 230V Unit contact Customer Service
*	32782	HARN DISP SWITCH
*	33615	HARN WIRE SOLENOID
*	33617	HARN WIRE MOTOR AGIT
*	620062782	HARN EXTENDER LED LIGHTING
*	620063308	HARN AC, 2-WIRE BUNDLE

NOTE:* (Not Shown)

FLAVOR SHOT ELECTRICAL BOX ASSEMBLY

NOTE: Used on PBD ED175 REF FL unit only.

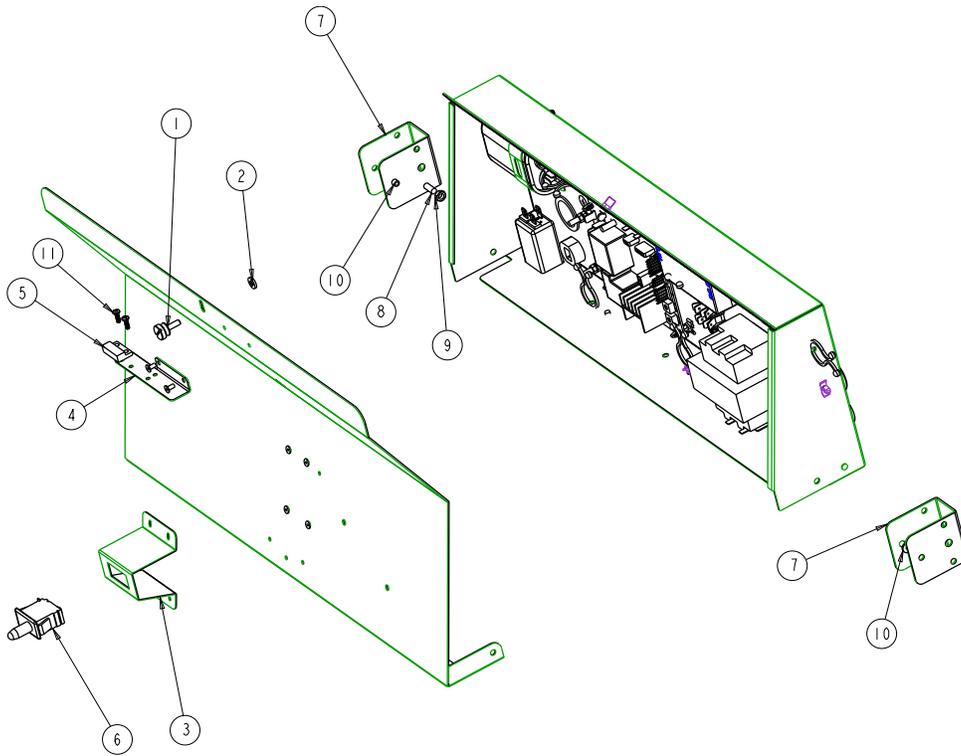


Figure 11.

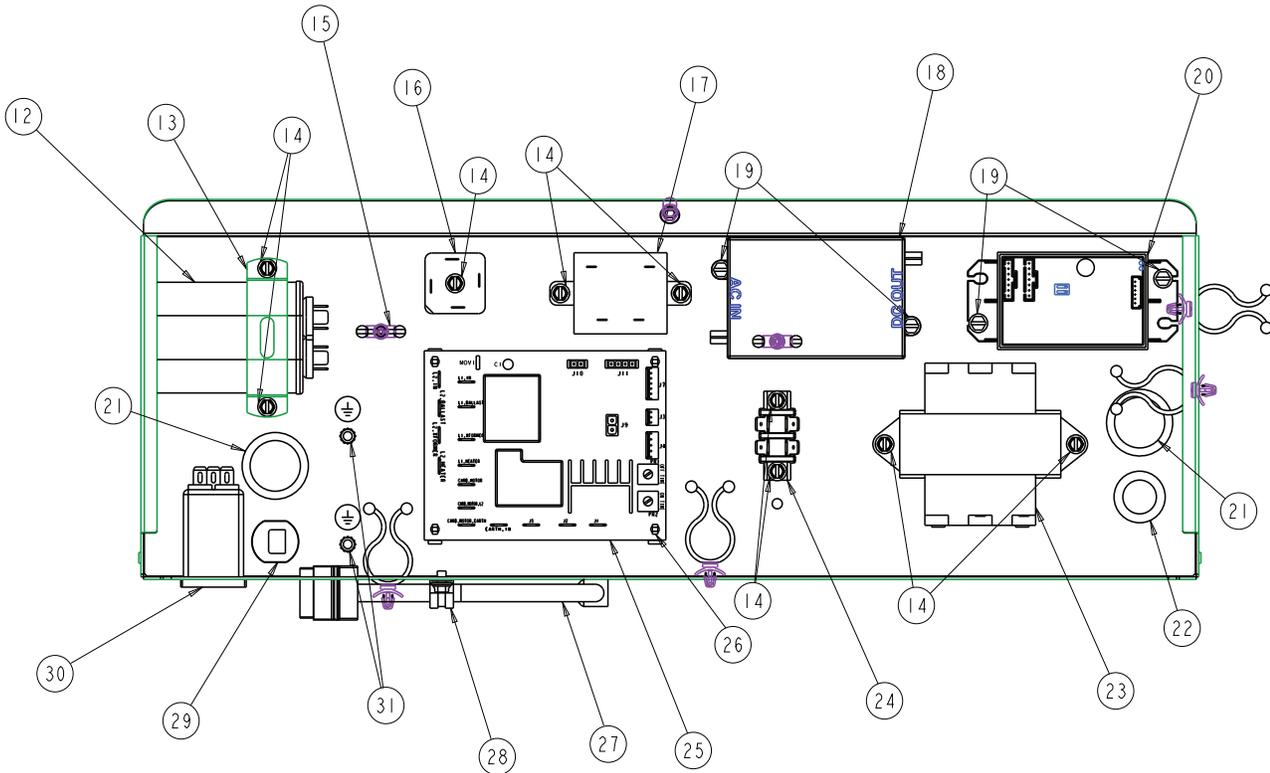


Figure 12.



Item No.	Part No.	Name
1	70188	SCREW WG 08-32 KN 16
2	71010	WASHER- RETAINING #8
3	620062824	SWITCH HOLDING BRKT LEG- ACY REFRESH
4	620063178	BRKT INTERLOCK MTG LI
5	620314527	SENSOR POSITION ICE CHUTE IDC NGF
6	720500713	SWITCH CUTOUT 10 A MOM E6900A
7	620035402	BRKT ELEC BOX SPACER ED175
8	70239	SCREW MA 10-32 HX 24 SS
9	70015	NUT HEX 10-32 KEPS
10	70319	RIVET POP 187D 188-250
11	620063829	SCREW MA 04-40 PAPH 10
12	30774	CAPAC MOTOR AGIT 2230AK6
13	30514	STRAP CAPAC
14	620059422	SCREW SM 08 TYPE F PAN HD PHILIPS HD 20 SS
15	620059511	LOCK STAND-OFF 3/16" TWIST .70"-.80" BUNDLE DIA
16	32958	RECTIFIER 10AMP 800V (SER- VICE PART ONLY)
17	560000359	RELAY SPST SSTATE ABS
18	620057649-A01	PWR-SUPPLY 24VDC 35W LED ASSY
19	70215	SCREW SM 08 TB HXWS 08
20	620314823-200	BOARD PC FLAVOR BLAST DUAL HEADER
21	325192000	BUSHING SNAP 1.09 937ID SB1095
22	50475	BUSHING SNAP 875H 625ID SB875
23	449999999	TRANSFRMR 120V60H-24V 80VA PTC



Item No.	Part No.	Name
24	187876000	BLOCK TERM 4 SPADE CON
25	620314825-100	BOARD AGITATOR PCB W/ SAFETY FUNCTIONS PEPSI BRIDGE
26	325925000	SUPPORT PC BOARD 3/8
27	620049959-001	CORD POWER ENTRY C13 NEMA 5-15P
28	70421	CLAMP- 3/8
29	50458	STRAINRELIEF
30	620049958	CONN POWER ENTRY MOD- ULE FILTERED
31	70076	NUT HEX 08-32 STCA KEPS 1/ 8
*	33617	HARN WIRE MOTOR AGIT
*	620063141	HARN AGITATOR SAFETY INTERLOCK
*	620062370	HARN SOLENOID ED175 PHANTOMM
*	620062373	HARN DISP SWITCH ED175 PHANTOM
*	620316456	HARN CARB MOTOR 120V
*	620062782	HARN EXTENDER LED LIGHT- ING
*	30794	HEATER AGIT MTR 2230AK6
*	620313657	JUMPER 4FL SWITCH TO BOARD FLAVOR BLAST

NOTE:* (Not Shown)

STRUCTURAL FABRICATION ASSEMBLY

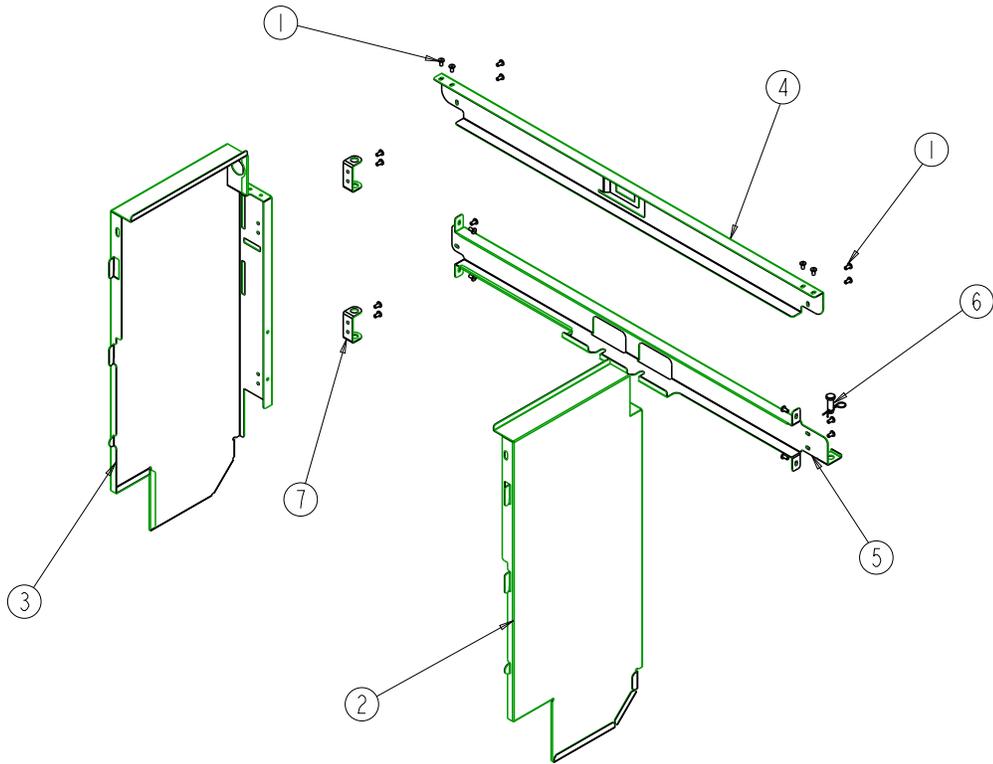


Figure 13.

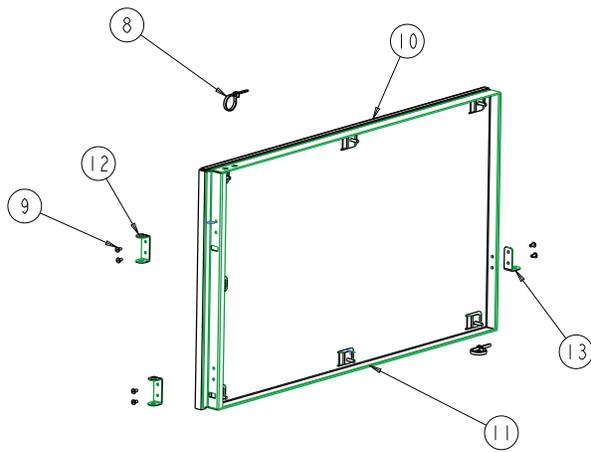


Figure 14.

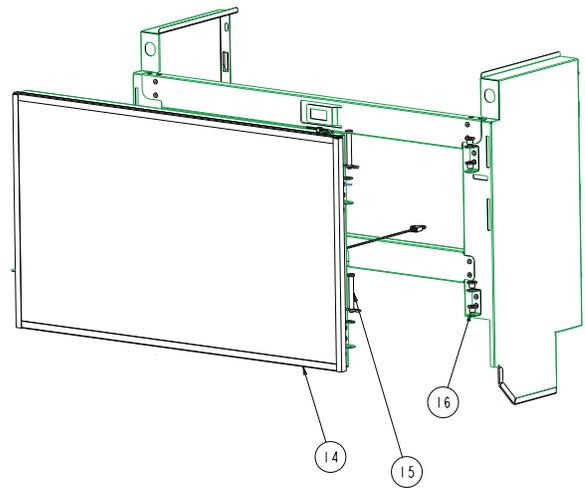


Figure 15.



Item No.	Part No.	Name
1	70320	RIVET POP 125D 063-125
2	620066536	PANEL SIDE LH MERCH ED175 RENEW
3	620066537	PANEL SIDE RH MERCH ED175 RENEW
4	620062498	CROSS BAR TOP - LEGACY REFRESH
5	620062503	CROSS-BAR BOTTOM LEGACY REFRESH
6	620062548	PIN CLEVIS 1/4 X 3/4
7	620062768	HINGE BRACKET LEGACY REFRESH
8	50705	TIE CABLE



Item No.	Part No.	Name
9	70320	RIVET POP 125D 063-125
10	620057652-A11	LED BACK LIGHT
11	620062759	LIGHT ENGINE SUPPORT PLATE LEGACY REFRESH
12	620062765	LIGHT ENGINE HINGE BRACKET LEGACY REFRESH
13	620062766	LIGHT ENGINE LATCH BRACKET LEGACY REFRESH
14	620062768	HINGE BRACKET LEGACY REFRESH
15	620062799	HINGE PINS LEGACY REFRES
16	620062732	LIGHT ENGINE ASSY LEGACY REFRESH

FLAVOR SHOT KEYPAD ASSEMBLY

NOTE: Used on PBD ED175 REF FL unit only.

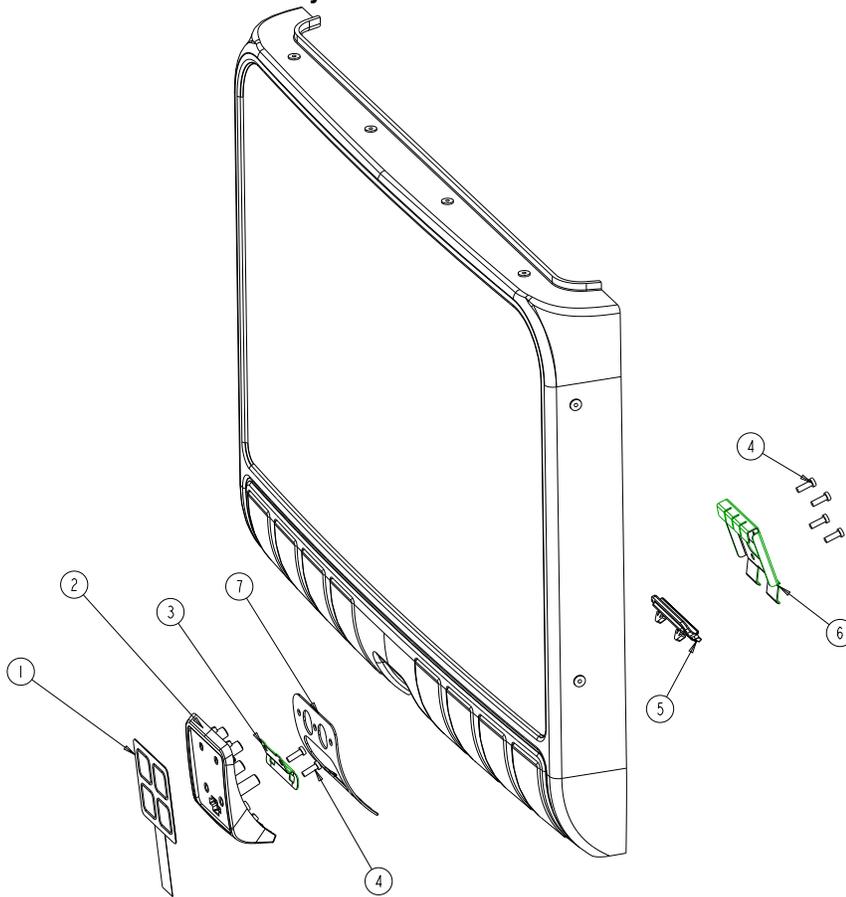


Figure 16.

Item No.	Part No.	Name
1	620062516	FLAVOR SHOT SWITCH MEMBRANE LEGACY REFRESH
2	620062612	FRONT HOUSING FLAVOR BLAST- LEGACY REFRESH
3	620062814	FLAVOR SHOT FRONT PLUG BRACKET LEGACY REFRESH
4	620705801	SCREW TT 08-18 TRPH 16 SSPA



Item No.	Part No.	Name
5	620062811	FLAVOR SHOT FNT MOLDING PLUG LEGACY REFRESH
6	620062717	FLAVOR SHOT FNT BRACKET LEGACY REFRESH
7	620062795	GASKET FNT FLAVOR SHOT
*	629097571	KIT OVERLAY CANADA KEYPAD SHOTS
*	620064175	OVERLAY CANADA KEYPAD SHOTS

NOTE: *(NOT SHOWN)

SPLASH PANEL ASSEMBLY

NOTE: Used on PBD ED175 REF FL unit only.

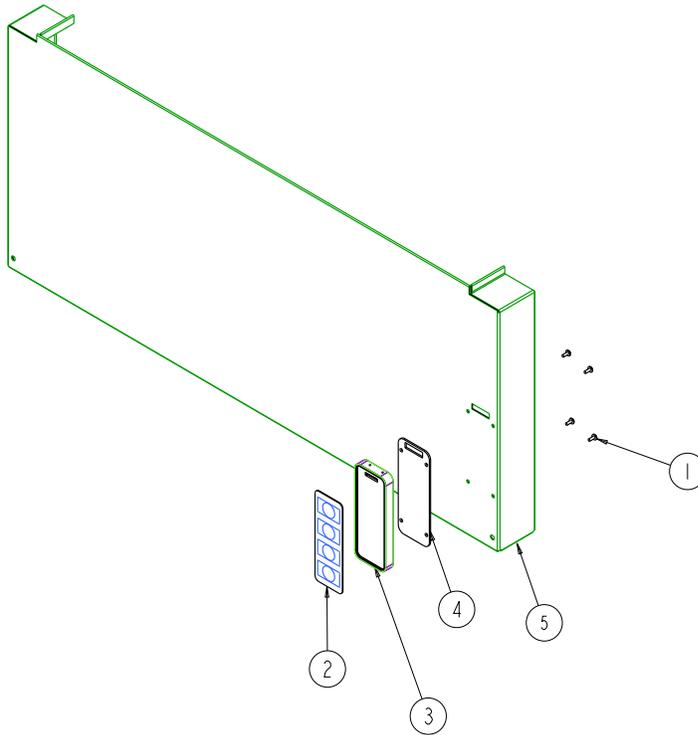


Figure 17.

Item No.	Part No.	Name
1	620051184	SCREW 4 X 1/4" LOG PHILLIPS HILO
2	620055005-200	KEY PAD BONUS FLAVOR ED/ DF150/175/200/250/300 IDC255 SUBWAY



Item No.	Part No.	Name
3	620055776	BEZEL BONUS FLAVOR ADA FLAVORBLAST
4	620063358	GASKET FLAVOR SHOT ADA LEGACY REFRESH
5	620064265	PANEL SPLASH ADA INSULATION ASSY
*	620062888	FLAVORBLAST ADA LABEL LEGACY REFRESH

NOTE:*(NOT SHOWN)

DRIP TRAY ASSEMBLY

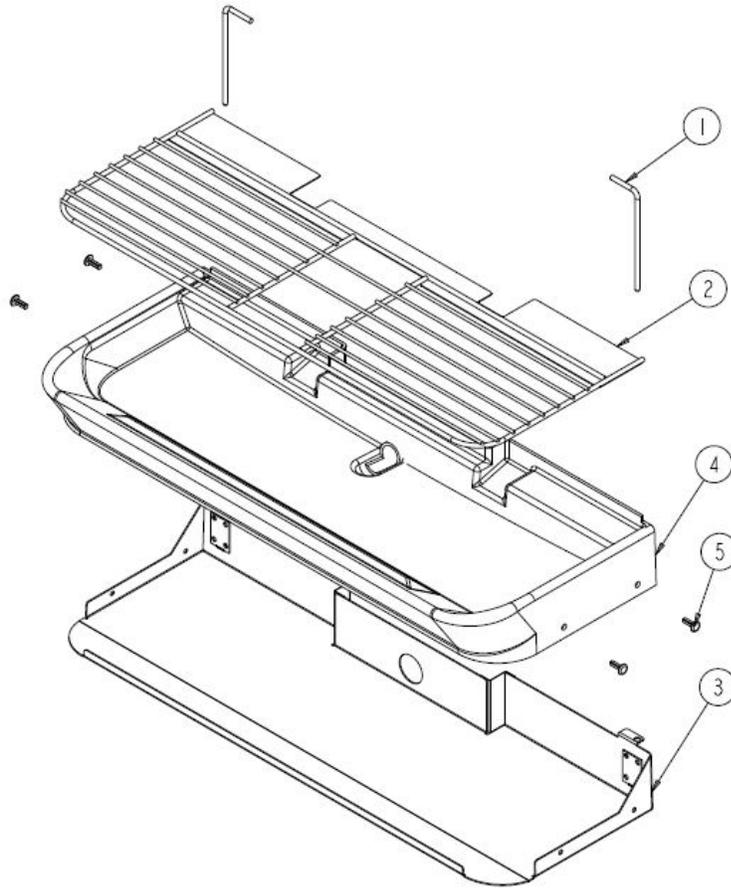


Figure 18.

Item No.	Part No.	Name
1	10145	PIN MTG DRIP TRAY
2	620700301	CUP REST LEGACY
3	620020101	SINK EXTENSION ASSY, DRIP TRAY



Item No.	Part No.	Name
4	620502701	FOAMED SINK ASSY, BLACK
5	70478R	CLIP PUSH ON

PBD ED175 REF (NON FLAVOR SHOT UNIT)

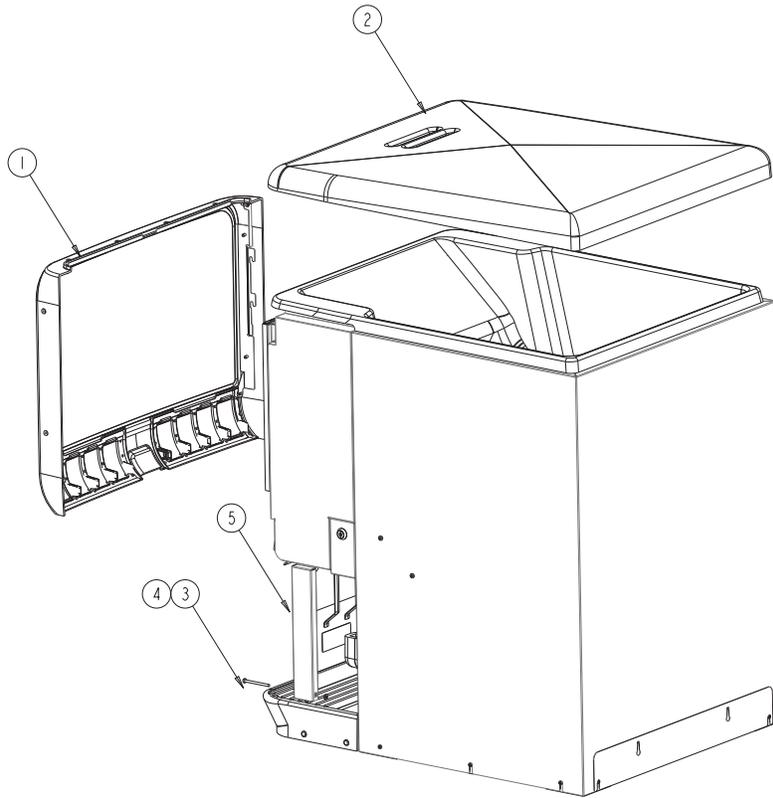


Figure 19.

PBD ED175 REF FL (FLAVOR SHOT UNIT)

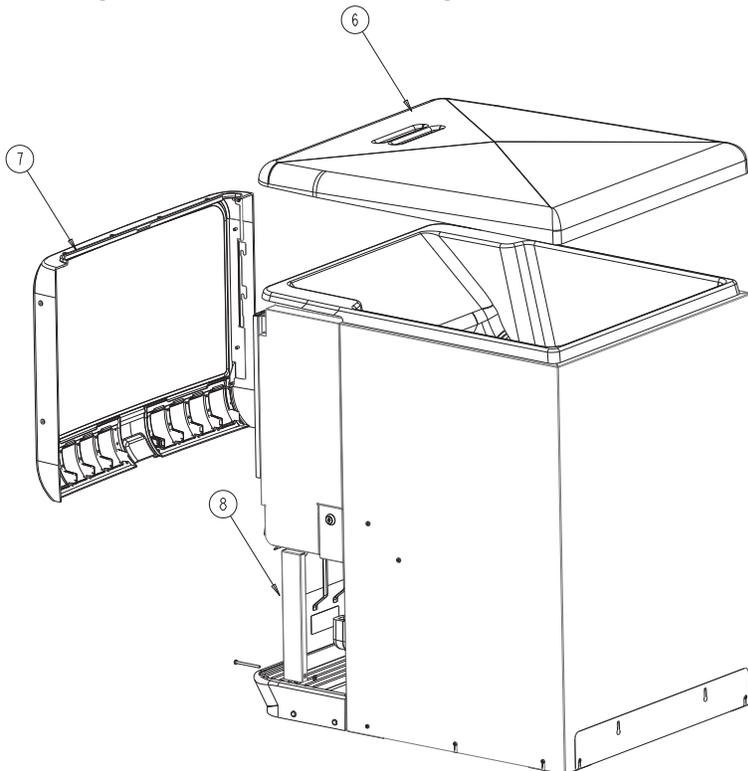


Figure 20.



Item No.	Part No.	Name
1	620066538-001	BEZEL ASSY PEPSI CAPS
	620066538-002	BEZEL ASSY ED175 RENEW NON BRAND
2	620513503	LID HOPPER ED175 BLACK
3	71006	SCREW MA 08-32 TRPH 68 SS
4	71010	WASHER- RETAINING #8
5	620064264	PANEL SPLASH ASY LEGACY REFRESH

Item No.	Part No.	Name
6	620062714	LID ASSEMBLY LEGACY REFRESH
7	620066539-001	BEZEL ASSY ED175 PEPSI SHOTS
	620066539-002	BEZEL ASSY ED175 SHOTS NON BRAND
8	620063359	PANEL SPLASH ASY LEGACY REFRESH ADA

ED175 REF FL PUMP AND MOTOR ASSEMBLY

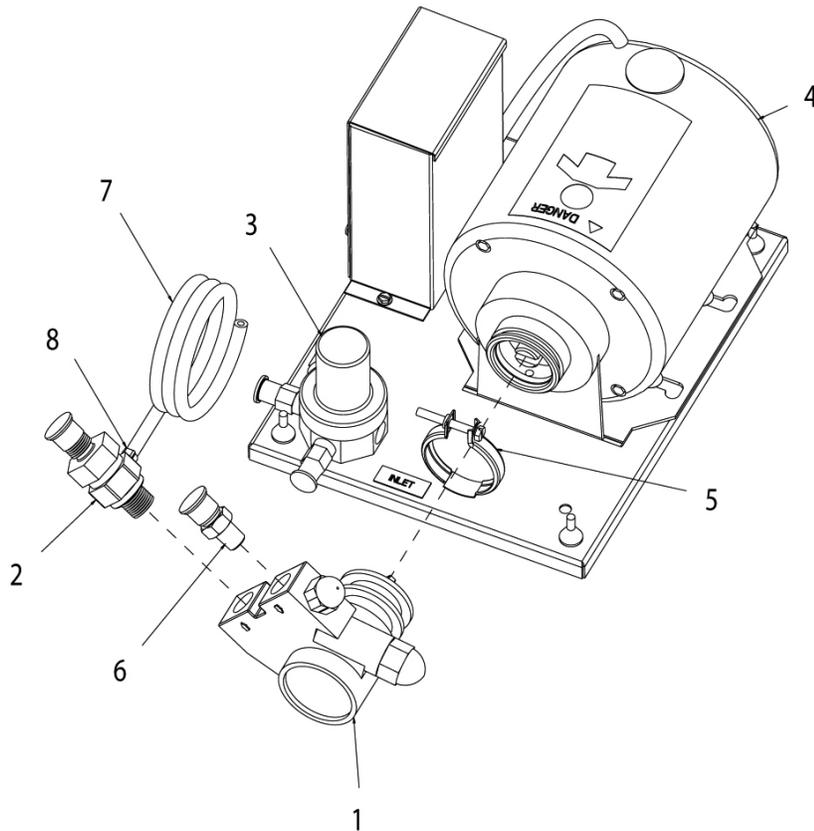


Figure 21

Item No.	Part No.	Name
1	60170	Pump, 125GPH
2	620608773	Check Valve 3/8MPT 5/8-18
3	620709802	Pressure Regulator 75 PSIG
4	60030058	Motor Pump 115Volt
	71860673	Motor Pump 220/240 Volt

Item No.	Part No.	Name
5	187483000	Clamp
6	111337000	Straight Fitting 3/8 MPT X 3/8 MF, Brass
7	174004000	Polyethylene Tubing .156" ID X .312" OD



8	311527000	Oetiker Clamp #8.7
*	620408124	Complete Pump/Motor Asy 115V
*	620408153	Complete Pump/Motor Asy 230V

ED175 REF PUMP AND MOTOR ASSEMBLY

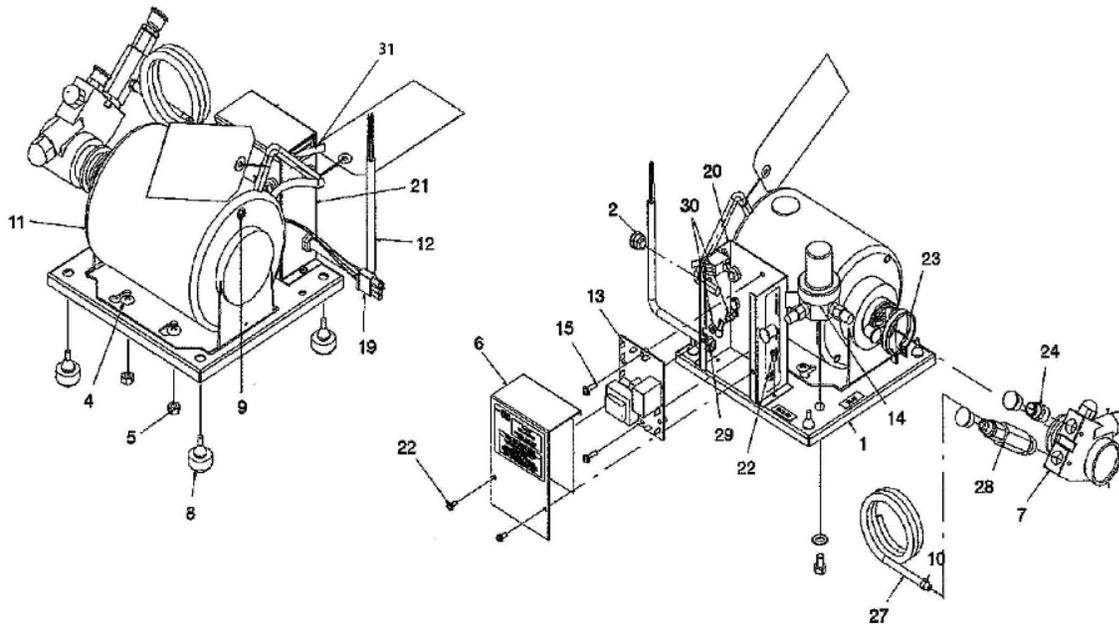


Figure 22

Item No.	Part No.	Name
1	620045738	Base, Pump and Motor
2	395098000	Strain Relief
4	60009002	Machine Screw, Phil Truss Hd, 1/4-20 By 1/2-In. Long
5	189429000	Hex Nut, 1/4-20
6	560004888	Cover, Level Control
7	60170	Pump, 125 GPH
8	396115010	Foot
9	319941000	Thread Rolling Screw, Hex Washer Hd, No.8-32 By 3/8-In. Long
10	311527000	Clamp, Check Valve to Tube
11	60030058	Motor, 1/3 H.P. 120V 60HZ
12	560004737	Service Cord
13	620314404	Liquid Level Control
14	620709802	Regulator, Secondary
15	0702605	Machine Screw, Phil Rd Hd, No. 8-32 By 1/4-In. Long
19	560005110	Wire Harness
20	560004734	Control Box
21	84702060	Cord Ass'y
22	60068048	Thread Cutting Screw, SI Hex Hd, No. 8-32 By 3/8-In. Long
23	187483000	Clamp, Pump to Motor
24	21247013	Fitting, Straight, 3/8-MPT By 3/8-Flare
27	174004000	Tube, .156 I.D. By 20-In. Long



Item No.	Part No.	Name
28	0881	Check Valve Ass'y, Vented, 3/8 - MPT By 5/8-18
29	319453000	Strain Relief
30	200498003	Hex Nut, No. 8-32
31	27301100	Switch
*	629087457	Complete Pump/Motor Asy 115V
*	629087458	Complete Pump/Motor Asy 230V

NOTE: * Not Shown

Cornelius Inc.
www.cornelius.com