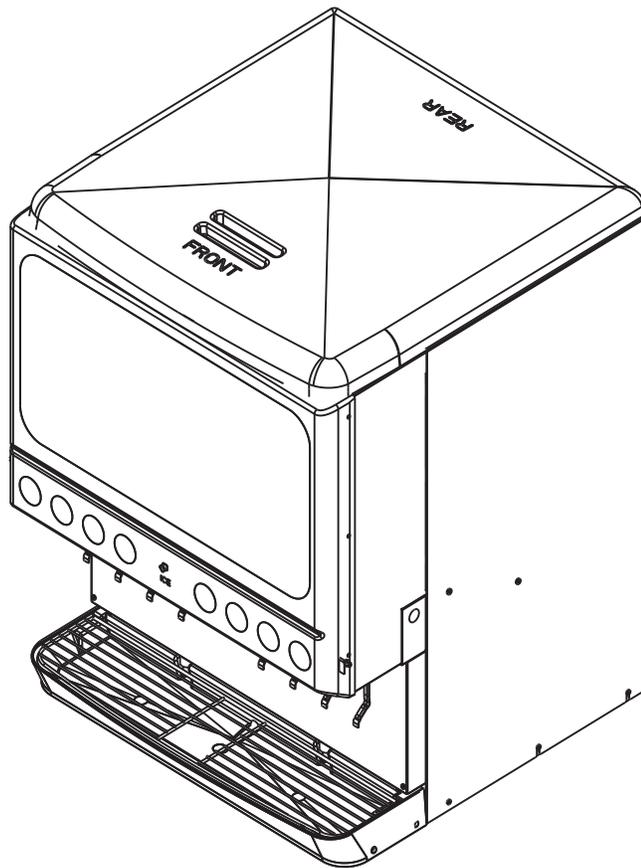


ILLUSTRATED PARTS LIST

CARMA 250



Release Date: January 12, 2020

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Revision Date: March 05, 2020

Revision: A

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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.

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Contact Information:

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

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This document contains the original instructions for the unit described.

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CABINET ASSEMBLY

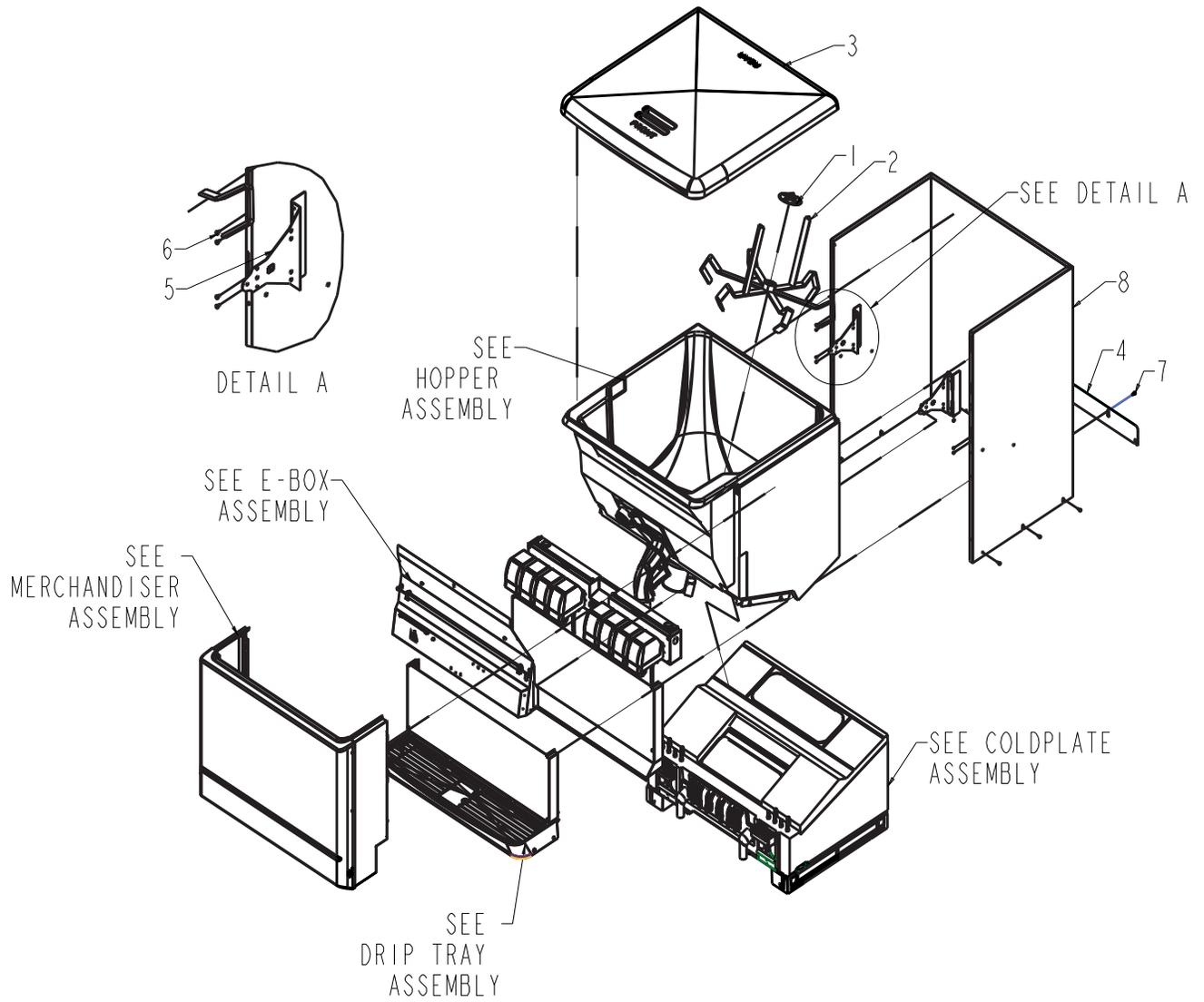


Figure 1.

Item No.	Part No.	Description
1	15087	Disk Agitator
2	29694	Agitator
3	52897	Manual Fill Lid
4	29555	Cover, Rear Wrapper
5	620019701	Hinge Gusset
6	70320	Pop Rivet 1/8 Dia
7	70171	Screw MA 08-32
8	29547	Cabinet 250

MERCHANDISER ASSEMBLY

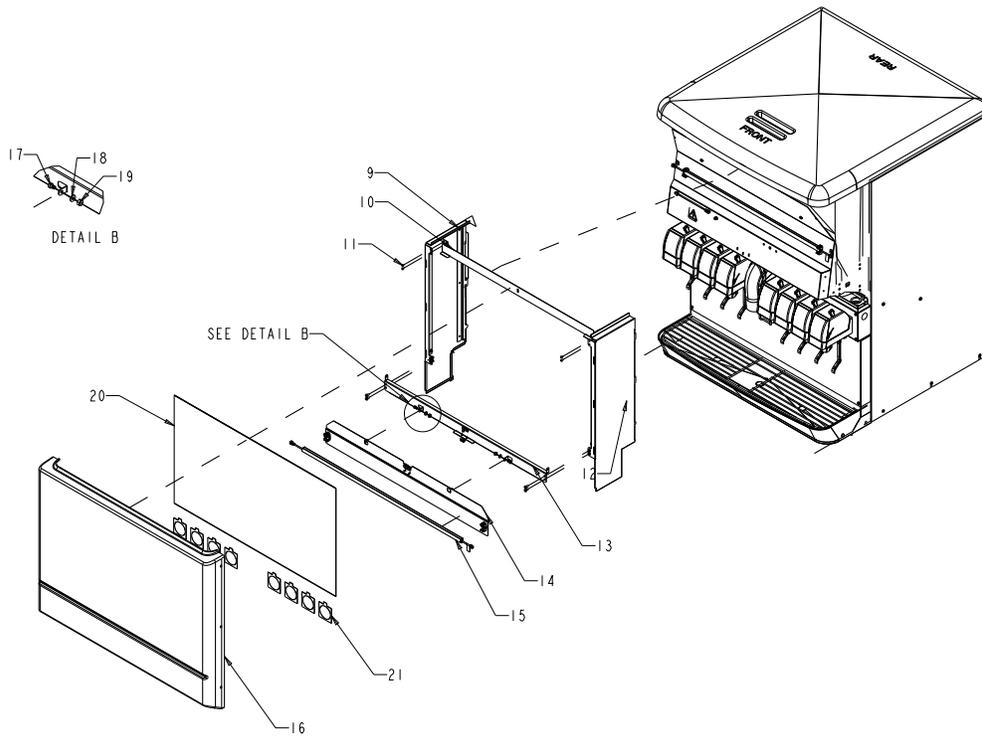


Figure 2.

Item No.	Part No.	Description
9	620072148	Panel Assembly RH
10	620072152	Panel Cross Beam Upper
11	70320	Rivet Pop .125 ID
12	620072150	Panel Assembly LH
13	620072387	Panel Assembly Cross Beam
14	620072154	Panel Assembly Reflector
15	620064030-005	Light Tube 28" 6W 24VDC
16	620072425	Merchandiser Assembly 8 Valve
	620072426	Merchandiser Assembly 10 Valve
17	620047945	Shoulder Screw 8-32
18	70051	Washer
19	630901495	Nut 8-32 Thin Nylon 18-8 SS
20	620072596	Graphic Subway
	620072730	Graphic Coca Cola
21	620072597	Decal Kit - Subway
	620072732	Decal Kit - Coca Cola

COLDPLATE AND DIP TRAY ASSEMBLIES

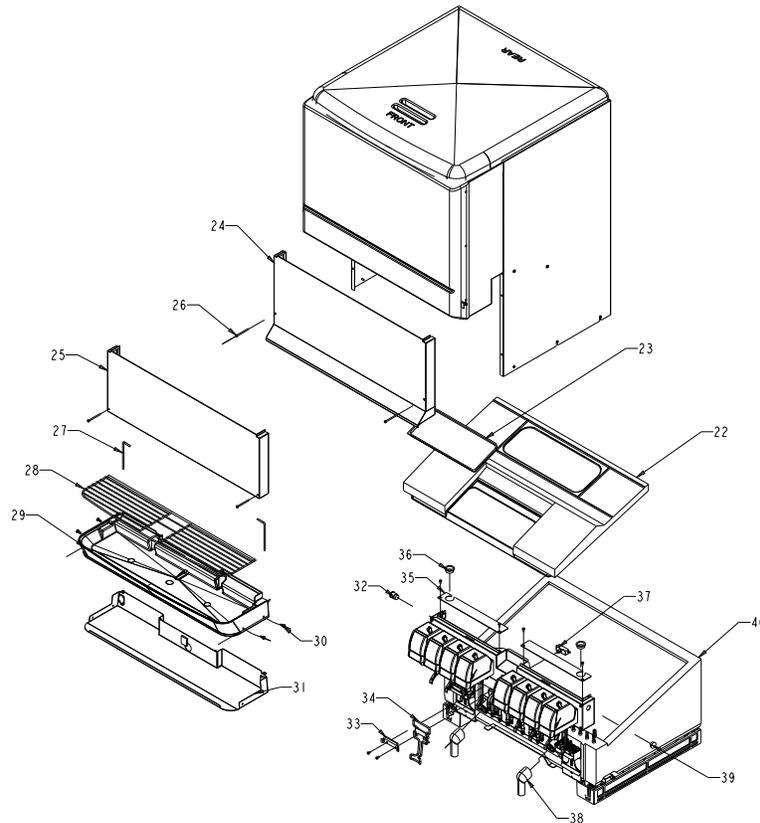


Figure 3.

Item No.	Part No.	Description
22	53268	Coldplate Cover Assembly
23	53255	Cover, Coldplate Access
24	620052312	Z-Style Splash Panel
25	620053401	Splash Panel
26	71006	Screw MA 08-32
27	10145	Pin Drip Tray Mounting
28	CONTACT SALES	Cup Rest
29	620056253	Drip-Tray ED/DF 2XX Gray
30	70478R	Clip, Push-On
31	620028702	Drip-Tray Ext Assy
32	32977	Switch Key DPST
33	27107	Retainer, Ice Dispense Lever

Item No.	Part No.	Description
34	15500	Dispense Lever, Short
	15488	Dispense Lever, Long
	15502	Push Lever Ice Dispense
35	15090	Baffle Upper Left
36	50459	Bushing Snap 1.188 H .937 ID
37	02070	Dispense Switch Kit (Includes Switch, Boot & Spacer)
38	53011	FITG- Elbow C-Plt Drain
39	***51908	Plug Butn 3/4 hole DD Blk
40	CONTACT SALES	Panel/Coldplate /Valve Assy

NOTE: * For 220-240V Models, 51908 Plug is Replaced by 62303001 Push Button Switch Actuator and 620303002 Switch Block.**

HOPPER ASSEMBLY

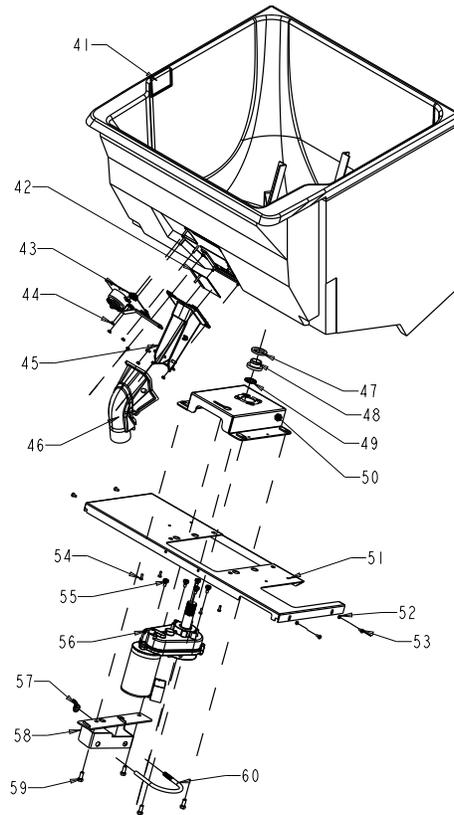


Figure 4.

Item No.	Part No.	Description
41	620517270R	Foamed Hopper Assembly
42	21491	Slide, Gate
43	32954	Solenoid Assembly, 120 Volt
	33409	Solenoid Assembly, 220-240 Volt
44	70016	Nut Hex 10-32 SS Nyloc
45	620500901	Ice Chute
46	53168	Cover Ice Chute
47	**620061992	Gasket
48	**620061600	Motor Shaft Seal
49	**620062926	Quad-ring
50	29541R	Plate, Motor Mount
51	620045909	Brkt Mount Motor ED2XX
52	70017	Nut Hex 10-32 SS Nyloc

Item No.	Part No.	Description
53	70242	Screw MA 10-32
54	70178	Screw
55	71028	Bolt SH 1/4-20
56	620314922	Agitator Motor 120 Volt
	33404	Agitator Motor 220-240 Volt
	620048092	Capacitor, 250V 20 MFD.
57	150774000	Nut Wing 3/8-16 STZI
58	15132	Motor Mount 220-240 Volt
	620052843	Motor Mount, 120 Volt
59	71033	Bolt MX 3/8-16 HX
60	71025	Strap, Motor 220-240 Volt
	620516432	Strap, Motor 120 Volt
Service Part Kit No. 629088782		

NOTE: ** Parts included in Agitator Motor Kit.

KIT ICE CHUTE DOUBLE GASKET

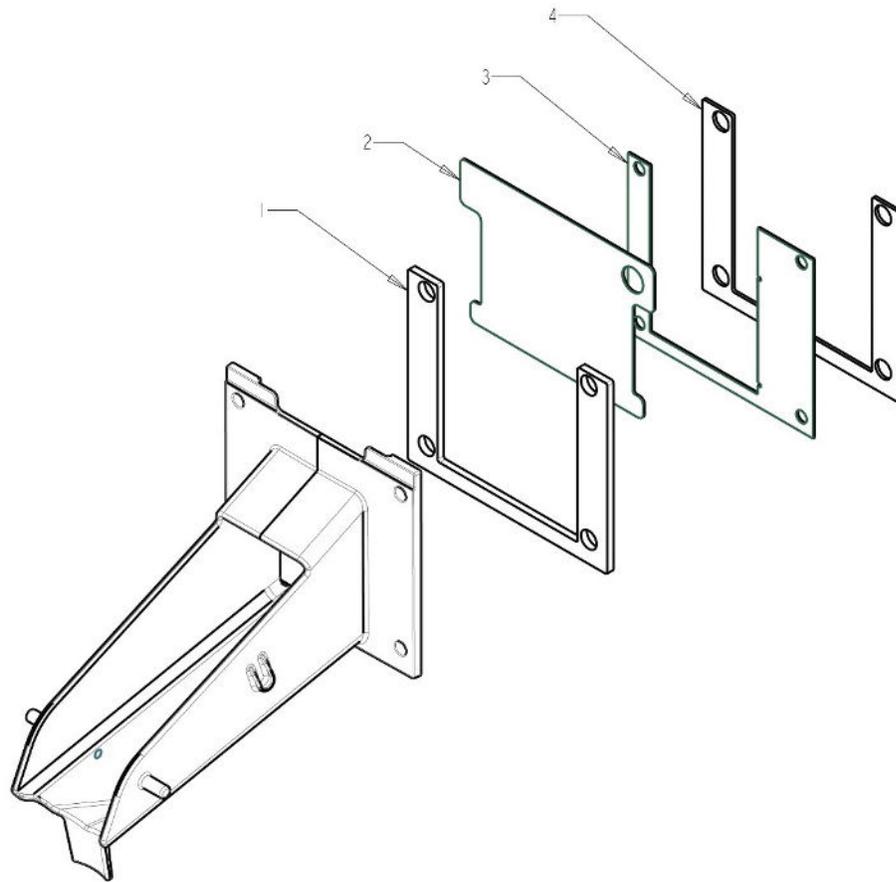


Figure 5.

Item No.	Part No.	Description
1	620059717	Gasket Out Gate Outer (Red)
2	620059707	Gate Restrictor
3	620059705	*Deflector Ice Gate
	620059706	*Deflector Ice Gate RH ED300
4	620059718	Gasket Ice Gate Inner (Black)

NOTE: * Used on soft Ice models only.

⚠ CAUTION:

Tighten #10-32 Nuts to 3.0 IN* LBS of Torque. Red gasket will deform slightly under load, but should not squeeze out of seal path.

ELECTRICAL BOX ASSEMBLY - FLUORESCENT LIGHTING

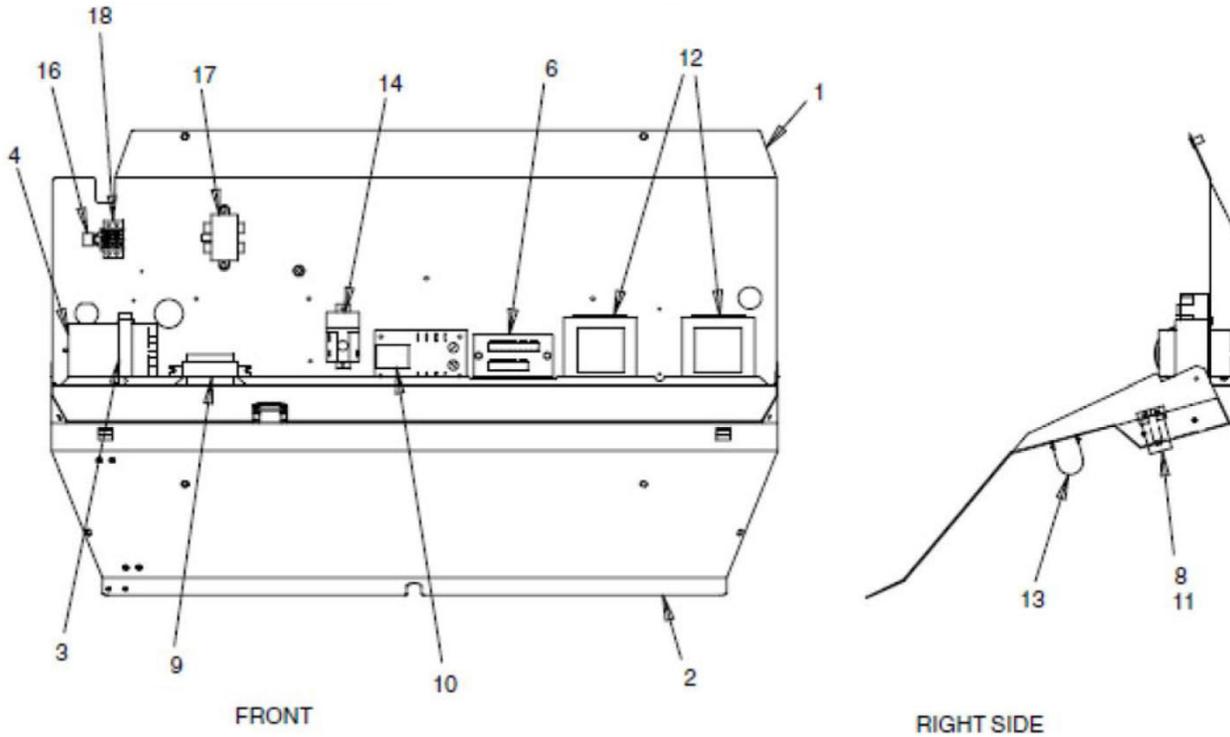


Figure 6.

Item No.	Part No.	Description
1	620022001	Electrical Box (ED250)
	620020902	Electrical Box (ED200)
2	620022101	Reflector Panel (ED250)
	620020901	Reflector Panel (ED200)
3	620021101	Clamp, Capacitor, 220-240V
4	33160R	Capacitor, Agitator Motor, 220-240V
5	30995	Power Cord, 120 Volts
	620302901	Power Cord, 220-240 Volts
6	30960	Terminal Board, 120 Volts
	31107	Terminal Board, 220-240 Volts
7	Not Used	
	31620	Starter 110 Volt
8	620054076	Starter 240 Volt

Item No.	Part No.	Description
9	31621	Ballast, 120 Volt
	33662	Ballast, 220-240 Volt
10	629087448	Agitation Timer Kit, 120 Volts
	629087451	Agitation Timer Kit, 220-240 Volts
11	620302201	Socket, Starter
12	32682	Transformer, 120 Volts
	32829R	Transformer, 220-240 Volts
13	620302101	Lamp-holder
14	620306601	Relay, Start, 220-240 Volts
15	Not Used	
16	620304601	Varistor, 220-240 Volts
17	620307301	Filter, 220-240 Volts
18	32244	Terminal Strip, 220-240 Volts

ELECTRICAL BOX ASSEMBLY - LED LIGHTING

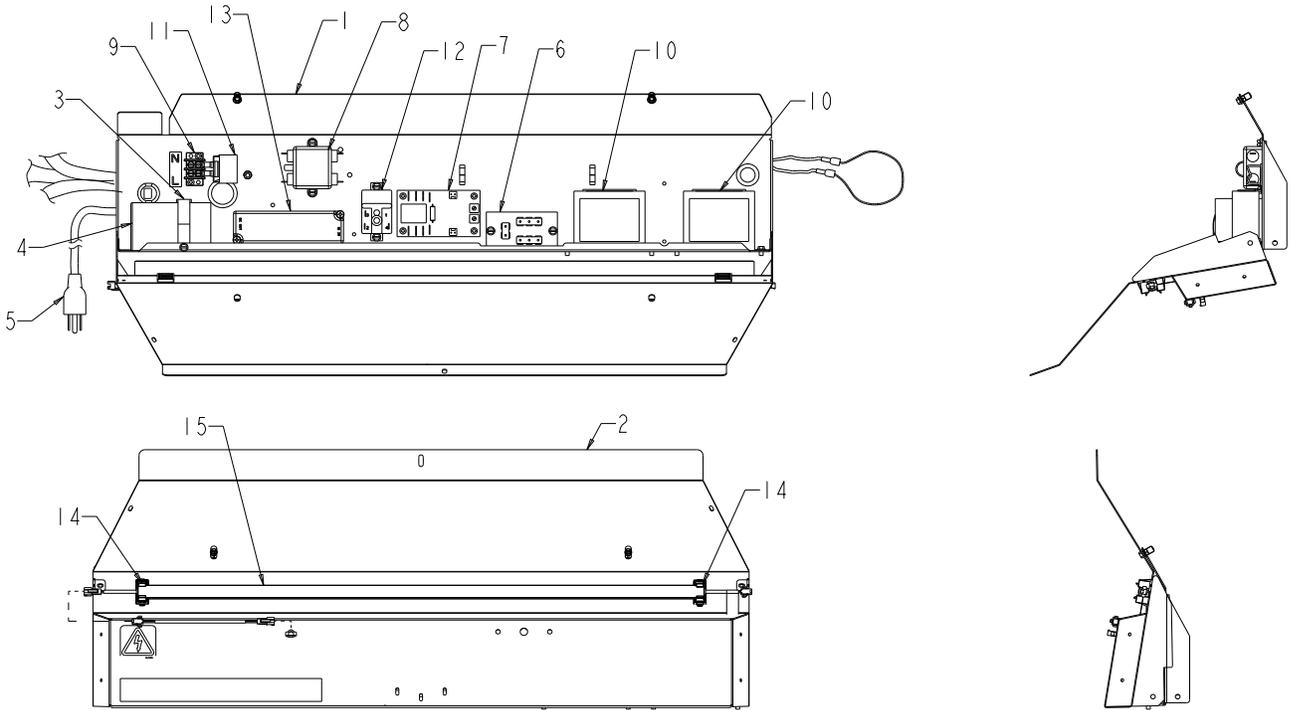


Figure 7.

Item No.	Part No.	Description
1	620022001	Box Elec ED/DF 250
	620020902	Box Elec ED/DF 200
2	620200102	Reflector Panel ED/DF 200
	620200103	Reflector Panel ED/DF 250
3	620021101	Clamp Capacitor 220-240 V
4	33160R	Capacitor 220 -240V (Agitator Motor)
5	30995	Power Cord, 120V
	620302901	Power Cord, 220-240V
6	30960	Terminal Block 120V
	31107	Terminal Block 220-240V
7	629087448	Agitation Timer Kit, 120V (Use for Units Built after 1/22/02)
	629087444	Agitation Timer Kit, 120V (Use for Units Built after 1/23/02)
	629087451	Agitation Timer Kit, 220 - 240V

Item No.	Part No.	Description
8	620307301	Filter, Power Line, 220 - 240V
9	32244	Terminal Strip, 220 -240V
	32682	Transformer, 120V
10	32829R	Transformer, 220 - 240V
	620304601	Varistor, 220 - 240V
12	620306601	Relay, Agitator Motor 220-240V
13	620057649- 018	Pwr-Supply 24VDC 20W Led Assy
14	620064161	Clip Retaining Led Light Bar
15	620064030- 001	Light Tube 24" 10W 24VDC

SOLENOID ASSEMBLY

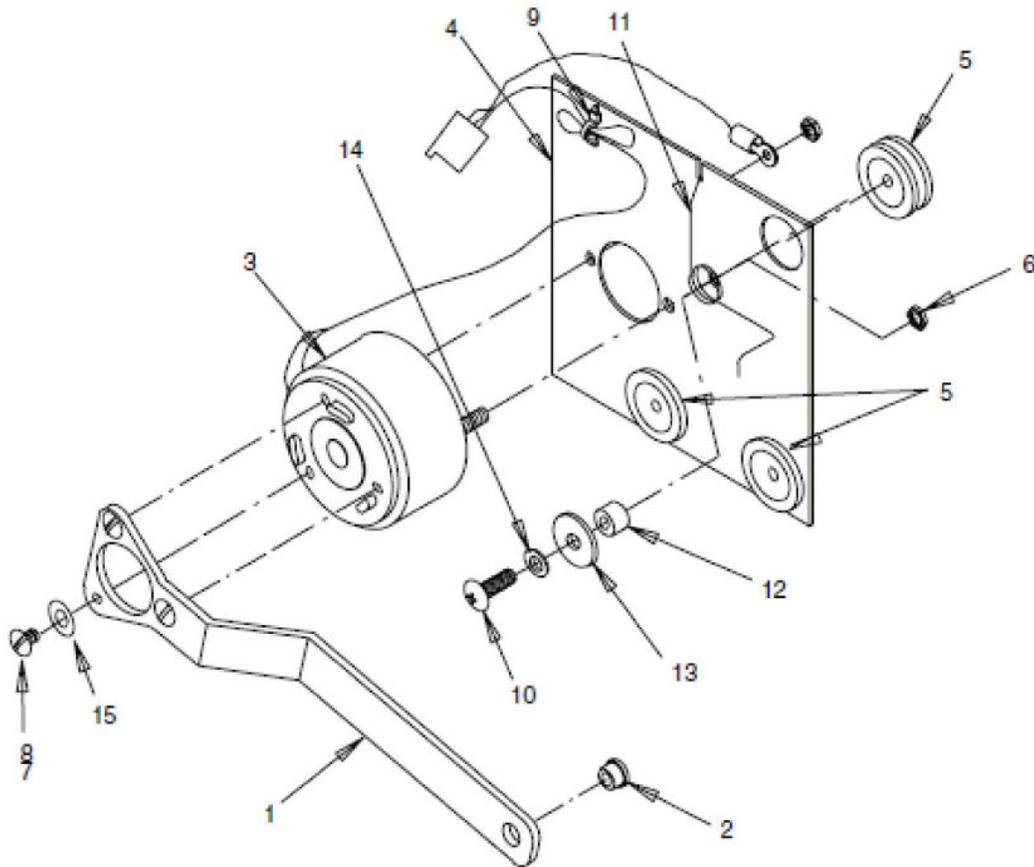


Figure 8.

Item No.	Part No.	Description
1	28173	Arm, Gate Lift
2	50754	Bearing, Gate Arm
3	32957	Solenoid, 120 Volts
	33397	Solenoid, 220-240 Volts
4	28172	Plate, Solenoid Mounting
5	50752	Isolator
6	70015	Hex Nut, No. 10-32
7	51689	Locktite
8	70162	Screw, No. 8-32 by 1/4-In. Long

Item No.	Part No.	Description
9	50705	Tie Cable
10	70165	Screw, No. 8-32 by 5/8-In. Long
11	71007	Spring, Solenoid Arm
12	51348	Space
13	70067	Washer, .218 I.D. by .875 O.D.
14	70057	Lockwasher, No. 10
15	70052	Flatwasher, No. 8
*	70485	Gate Slide Spring (Attaches to gate lift arm on Solenoid Assy. Need Qty. 2.)
Complete Assembly No. 32954		

NOTE: * Not Shown

DRAIN ASSEMBLY

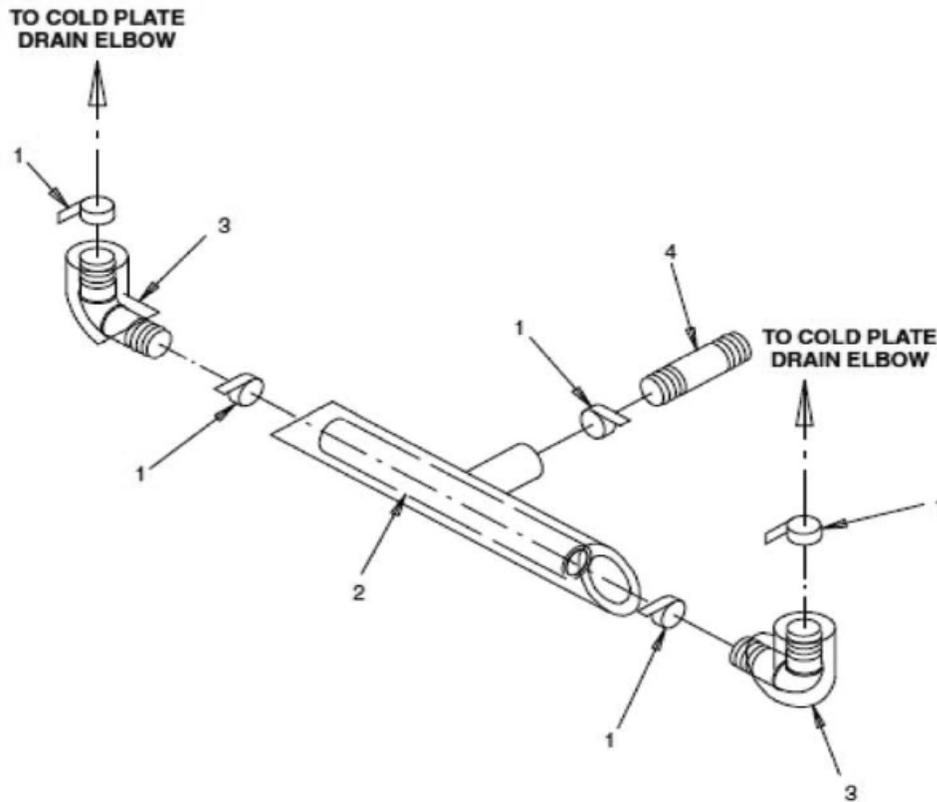


Figure 9.

Item No.	Part No.	Description
1	70750	Hose Clamp
2	53169	Drain Tube 1
3	51280	Elbow 2
4	53293	Coupler 1
*	629088487	Kit Sink to Z Style DF200/250 (Z = no drip tray or cup-rest. This kit removes tray and cup rest. Allows unit to sit on counter with built in tray and cup rest.)
*	629080304	Kit Z Style to Sink DF200/250 Gray (Z = no drip tray or cup rest. This kit adds drip try and cup rest to unit.)

NOTE: * Not Shown

WATER MANIFOLD ASSEMBLY

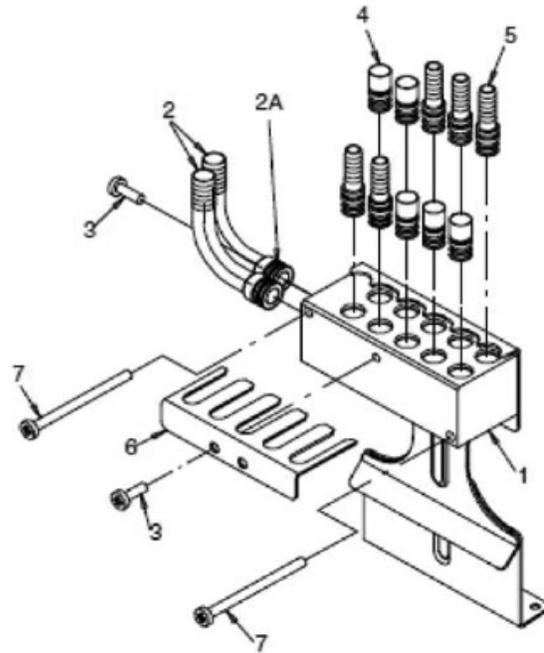


Figure 10.

Item No.	Part No.	Description
1	620407728	Manifold Flex 5 Pos Inj Molded
2	620709065	Fitg Elbow 1/2 X 3/8 Brb
2A	100057	O-ring
3	70204	Screw Sm #8 X 1/2
4	620519005	Plug 3/8 w/o-ring
5	620709066	Fitg Straight 3/8 X 1/4 Brb
6	620046316	Retainer Clip
7	620706632	Screw TRPH #8-18 X 2 Waxed
*	620711913	Insulation Block, RH
*	620711914	Insulation Block, LH
*	620715408	Hook and Loop Fastener
*	321471000	Lube Dow 111 5.3oz Tube

NOTE: * Not Shown

WATER MANIFOLD ASSEMBLY (SKU P/N 0511812Q1544)

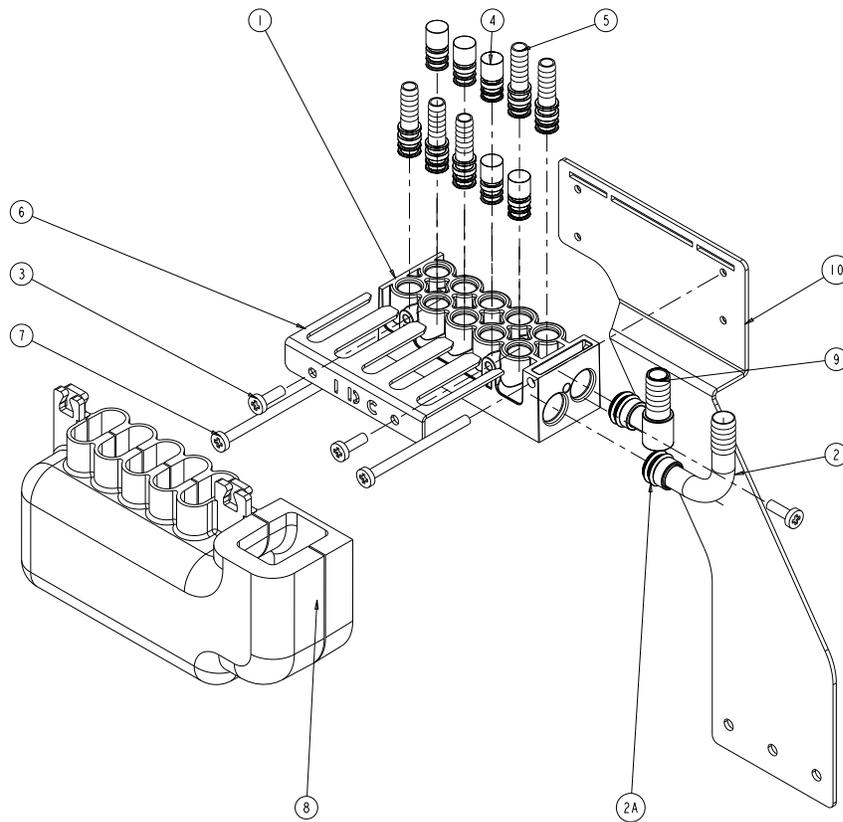


Figure 11.

Item No.	Part No.	Description
1	620407728	Manifold Flex 5 Pos Inj Molded
2	620709065	Fitg Elbow 1/2 X 3/8 Brb
2A	100057	O-ring
3	70204	Screw SM #8 X 1/2
4	620519005	Plug 3/8 w/o-ring
5	620709066	Fitg Straight 3/8 X 1/4 Brb
6	620046316	Retainer Clip
7	630901579	Screw MA 08-32 PAPH 56 SS

Item No.	Part No.	Description
8	620711913	Insulation Block, RH
	620711914	Insulation Block, LH
9	770000534	Fitg L-Brb 3/8 Brb X 1/2 Dole SS
10	620064700	Brkt-RH-Manifold Mtg. ED Series
	620062667	Brkt-LH-Manifold Mtg. ED Series
*	620715408	Hook and Loop Fastener
*	321471000	Lube Dow 111 5.3oz Tube

NOTE: * Not Shown

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