

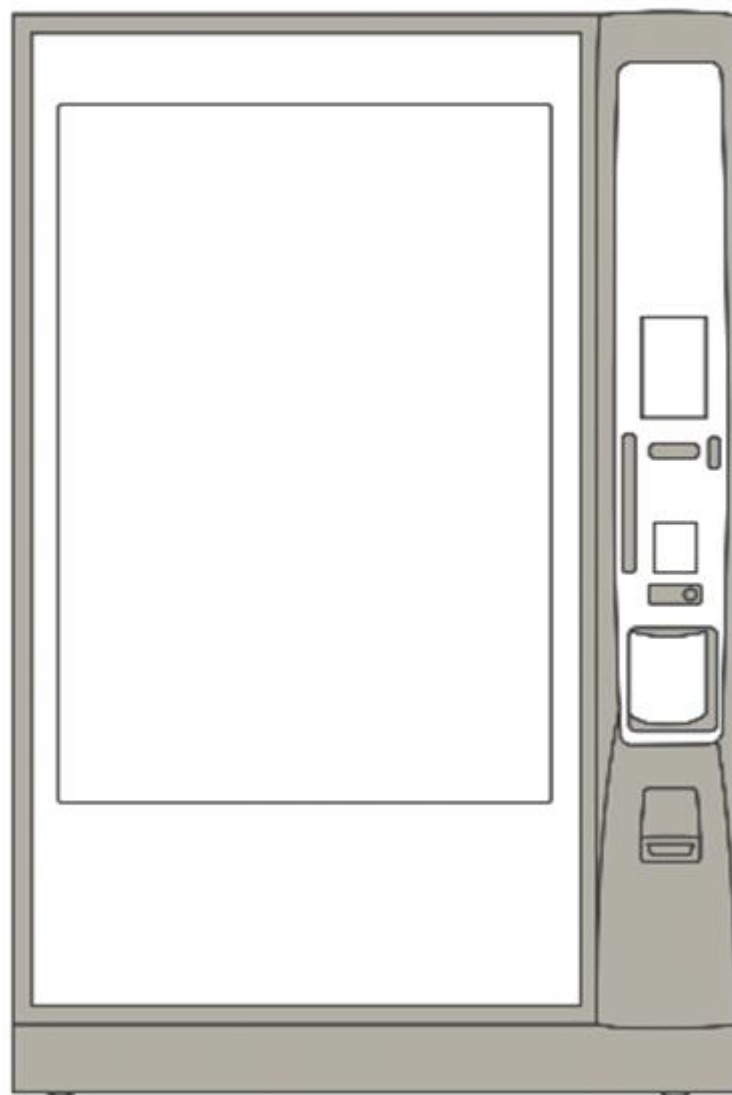
CRANE[®]

MERCHANDISING SYSTEMS

CRANE MERCHANDISING SYSTEMS

BevMAX 6 MEDIA

Parts Manual 5800-6/3800-6



3330 Crane Way – Williston SC 29853

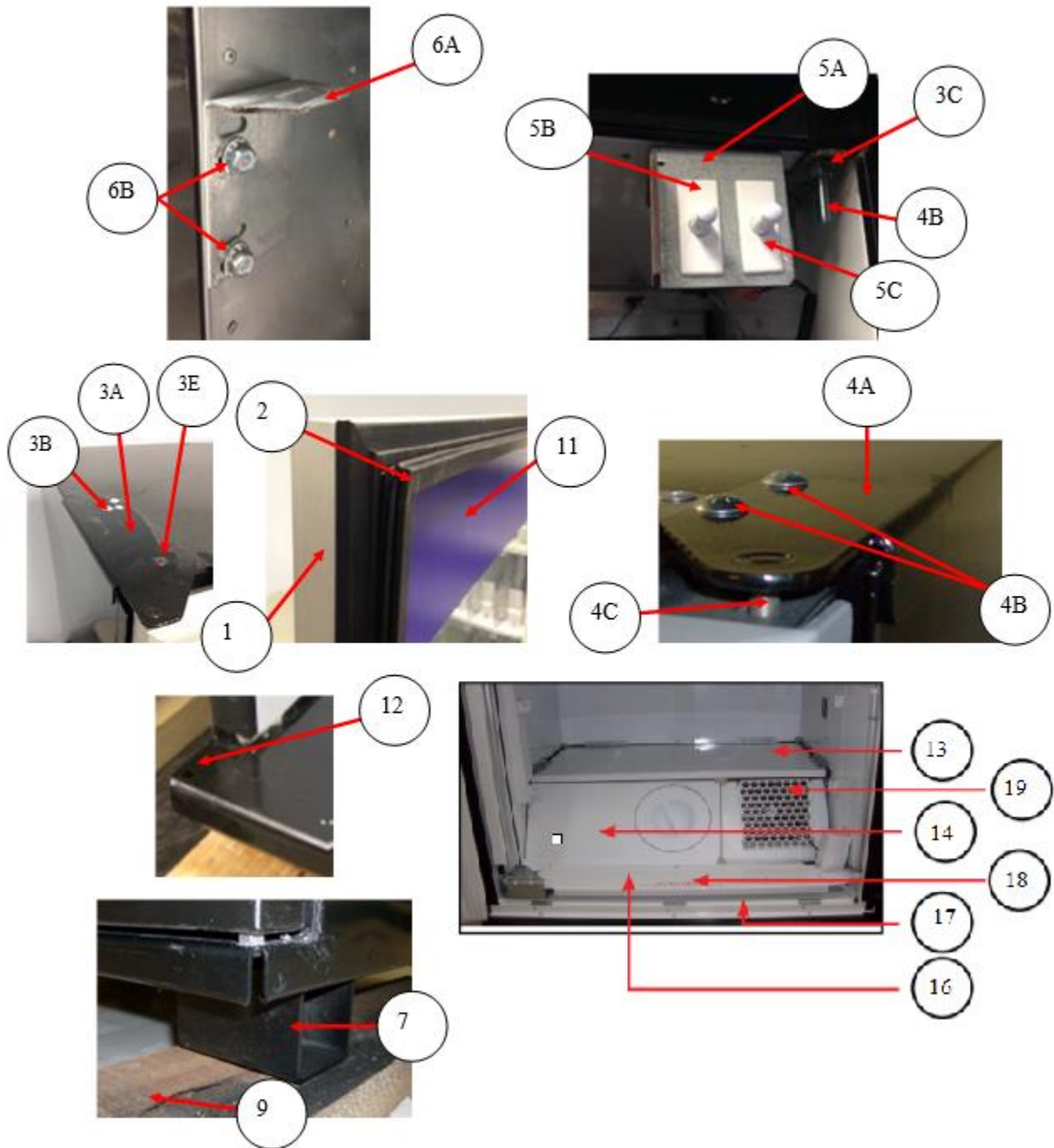
www.cranems.com

Table of Contents

<u>Machine Front View</u>	3-4
<u>Cabinet Detail Product Area</u>	5-6
<u>Cabinet Detail Service Door Area</u>	7-8
<u>XY Motor Picker Unit</u>	9-10
<u>Delivery (Picker) Cup Assembly</u>	11-12
<u>Service Door (A)</u>	13-14
<u>Service Door Sign (Pill) Layouts</u>	15
<u>Service Door (B)</u>	16-17
<u>Gate Tray Detail</u>	18-19
<u>AC Distribution Box</u>	20-21
<u>Lighting - LED</u>	22-23
<u>134a Refrigeration Unit BevMax6 (with Plastic Evap Box)</u>	24-25
<u>Electronics</u>	26-27
<u>Harnesses</u>	28-30
<u>Harnesses (A)</u>	29
<u>Harnesses (B)</u>	30
<u>Labels/Decals/Misc</u>	31
<u>Screws</u>	32-33
<u>Nuts, Washers, Bolts, & Misc. Hardware</u>	34-35
<u>Condenser Clean-Out Assembly and NFC Kit</u>	36

CRANE[®] MERCHANDISING SYSTEMS

MACHINE FRONT VIEW



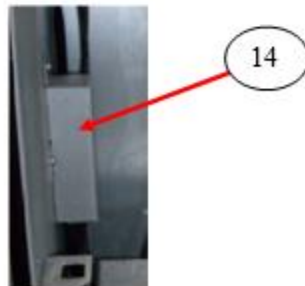
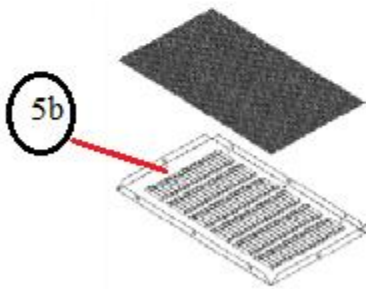
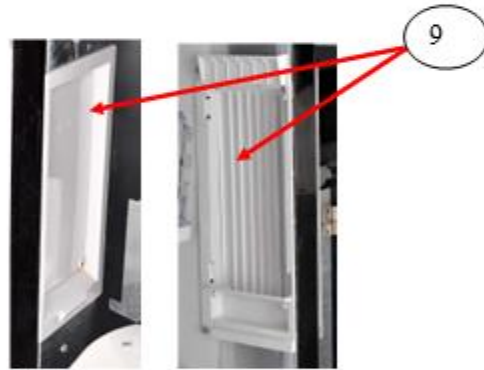
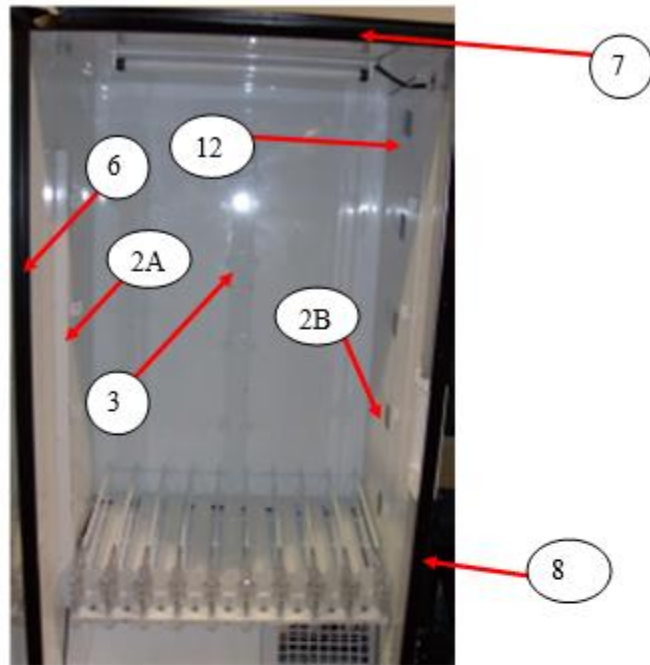
CRANE[®] MERCHANDISING SYSTEMS

MACHINE FRONT VIEW

ITEM REF	PART DESCRIPTION	DN5800-6 DN5800-E6	DN3800-6 DN3800-E6
1	Door Assembly, Glass - Silver (does not include decals)	101450	101451
	Door Assembly, Glass - Black (does not include decals)	114260	105811
2	Gasket, Glass Door	102720	102721
3A	Top Hinge Glass Door	100136	Same
3B	Carriage Bolt – ¼ - 20 x 2	100010	Same
3C	Hex Nut – ¼ - 20	100156	Same
3D	Washer, Flat 18ga, 17/64IDx5/8OD	100488	Same
3E	Screw, Fl. Torx Tap ¼-20 X ½	100298	Same
4A	Top Hinge Service Door	104555	Same
4B	Carriage Bolt, 1/4 –20 X 2.5" (also service door bottom hinge pin)	100009	Same
4C	Top Hinge Pin, Service Door	100207	Same
4D	Lock Nut, Service Door Hinge Pin Bolt ¼ - 20	100148	Same
4E	Washer, Flat 18 GA 17/64 ID x 5/8 OD	100488	Same
5A	Door Switch Bracket – Double Switch	104768	Same
5B	Power Interrupt Switch	101188	Same
5C	Lock Switch	101188	Same
6A	Door Latch High Security, 2 Point Lock	104691	Same
6B	Screw, Hex ¼ - 20 x 5/8	100319	Same
7	Leg Assembly, welded in place	105561	Same
8	Leg Leveler, 5/8 – 11 x 2 1/16 (not shown)	101288	Same
9	Shipping Boards, Domestic	103038	Same
	Shipping Boards, Export	103038	Same
10	Thermometer (not shown – Service Part only)	103073	Same
11	Wear Strip Door Decal	102359	Same
12	Glass Door Bottom Hinge Pin Hole	NA	NA
13	Bottom Panel Assembly	104580	104594
14	Assembly Panel Slanted w/ clean out, with plastic evap box Refrig unit (for sub-components see pg 36)	104831	104832
15	Door Stop	105405	Same
16	Wire Chase Assembly w/ Gasket	104596	111570
17	Ramp	104810	104809
18	Warning Label, Ramp	102159	Same
19	Evaporator Inlet Grill, Plastic	102854	Same

CRANE[®] MERCHANDISING SYSTEMS

CABINET DETAIL PRODUCT AREA



CRANE[®] MERCHANDISING SYSTEMS

Cabinet Detail Product Area

ITEM REF	PART DESCRIPTION	DN5800-4 DN5800-E4	DN3800-4 DN3800-E4
1	Cabinet Assembly, Generic	105588	104565
2A	Left Tray Support, 1 piece (5 shelf) - E3 (Rail)	104644	Same
	Left Tray Support, 1 piece (5 shelf) - E4 (Rail)	104646	Same
	Left Tray Support, 1 piece (5 shelf) - E5 (Rail)	104652	Same
	Left Tray Support, 1 piece (5 shelf) - E6 (Rail)	104666	Same
	Left Tray Support, 1 piece (5 shelf) - D2 (Rail)	104613	Same
2B	Right Tray Support, 1 piece (5 shelf) - E3 (Rail)	104643	Same
	Right Tray Support, 1 piece (5 shelf) - E4 (Rail)	104647	Same
	Right Tray Support, 1 piece (5 shelf) - E5 (Rail)	104653	Same
	Right Tray Support, 1 piece (5 shelf) - E6 (Rail)	104665	Same
	Right Tray Support, 1 piece (5 shelf) - D2 (Rail)	104614	Same
3	Rear Tray Support, 1 piece (5 shelf) - E3 (Rail)	104645	Same
	Rear Tray Support, 1 piece (5 shelf) - E4 (Rail)	104648	Same
	Rear Tray Support, 1 piece (5 shelf) - E5 (Rail)	104654	Same
	Rear Tray Support, 1 piece (5 shelf) - E6 (Rail)	104667	Same
	Rear Tray Support, 1 piece (5 shelf) - D2 (Rail)	104615	Same
4a	Tray Support Screw #8-18x1/2 Phil Pan (Self drilling, 9 per rail)	100265	Same
4b	Hex Washer Screw (2 per shelf) 8 x 5/8	100277	Same
5a	Ingress Guard	104800	Same
5a	Ingress Guard with Screen Export	104800	Same
5b	Modified Rodent Guard Assy w/ Mesh	108052	Same
5c	Cord Cover	104864	Same
6a	Glass Dr Seal Strip	104803	Same
6b	Security Angle Right (not shown)	104539	Same
7A	Top Glass Door Seal Strip	104804	104805
7B	Top Vandal Panel	104801	104806
8	Monetary Wall Seal Strip	104817	Same
9	Assembly Discharge Frame Insulated	101431	Same
11	Discharge Port Diverter	114937	Same
12	Louver Panel Assembly	110349	Same
13	Defrost Control Mounting Bracket	105431	Same
14	Defrost Control Cover	115162	Same
15	Defrost Control Vinyl Tube	103081	Same
17	Service Door Security Channel	104726	Same

CRANE[®] MERCHANDISING SYSTEMS

CABINET DETAIL SERVICE DOOR AREA

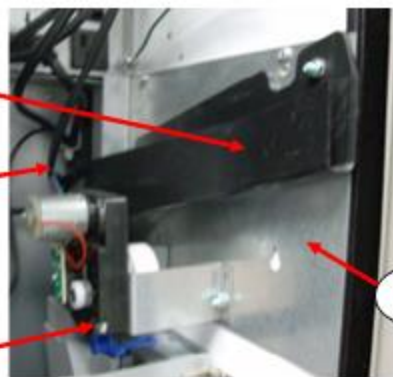


1A

2F

2

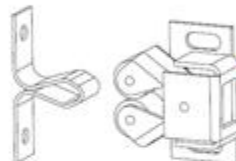
13



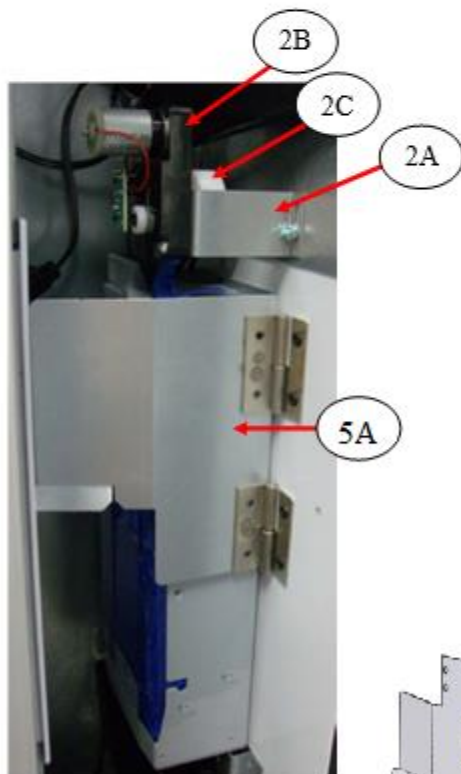
1B



11



14A



2B

2C

2A

5A

12A

12B

8

9

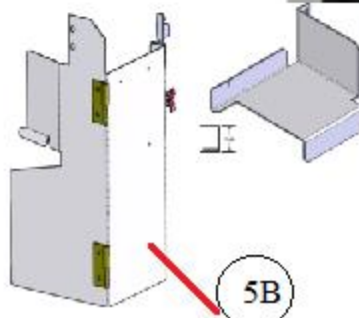


3

3A

3B

7



5B

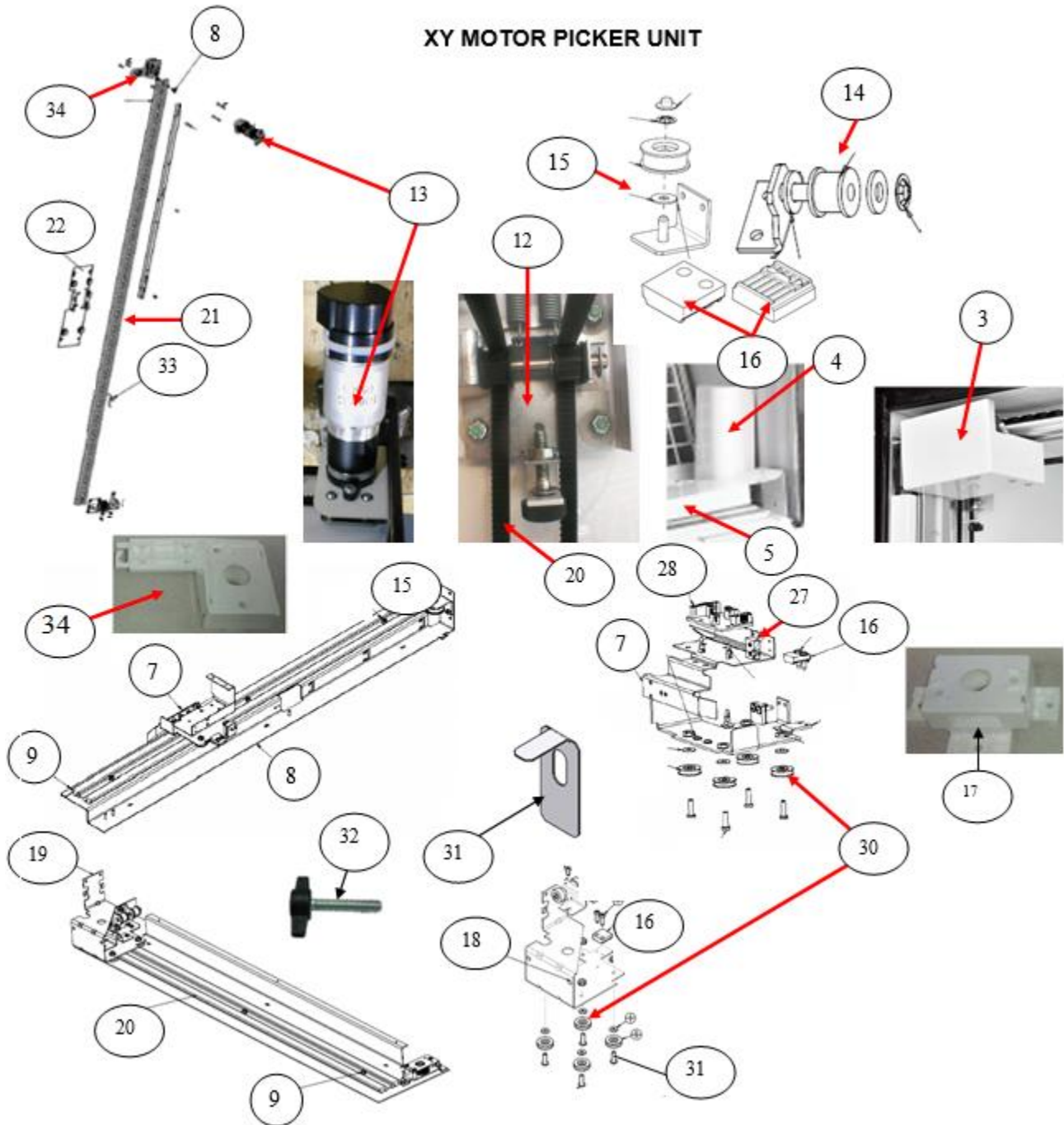
CRANE[®] MERCHANDISING SYSTEMS

Cabinet Detail Service Door Area

ITEM REF	PART DESCRIPTION	DN5800-6/3800-6 DN5800-E6/3800- E6	
1	Assy. Coin Return Bracket (1A+1B)	110489	Same
1A	Upper Chute	101396	Same
1B	Coin Bracket	104700	Same
2	Coin Mech Electronic Return Assembly (2A+2B+2C+2D+2E)	110626	Same
2A	Coin Return Motor Bracket	104791	Same
2B	Motor & PC Board Assy	101067	Same
2C	Coin Return Cam	101701	Same
2D	Coupling Motor	100100	Same
2E	Screw, Hex Head #8-32 X .81	100239	Same
2F	Coin Return Motor Harness	101006	Same
3	Assy. Modified Coin Box Chute (3A+3B)	104656	Same
3A	Modified Coin Box Chute	104655	Same
3B	Modified Coin Box Chute Back	105669	Same
5A	Coin Mech Door Assembly	104849	Same
5B	High-Security Kit for Panelized BVG Media kit consists of: HS Validator Bracket, HS Coin Mech Mounting Bracket Assy and HS Notice Label	402305	Same
5B	High-Security Kit non-Panelized BVG Media	401391	Same
6	Flat Mount Cable with adhesive	102922	Same
7	Lower front Chute Mounting Plate Assy	104704	Same
8	Cash Box Shelf	104650	Same
9	Cash Box, Plastic	101420	Same
10	Cash Box Lock & Key XX2815	102614	Same
11	Coin Insert Ramp (on Service Door)	102873	Same
12	Lower Coin Chute Assy. (12A+12B)	115464	Same
12A	Lower Coin Chute	104794	Same
12B	Coin Chute Upper	104795	Same
13	Coin Mech Door Assy with Double Roller Latch	111126	Same
14A	Double Roller Catch (Dart & Latch)	103020	Same
14B	Rivets, Steel 1/8" (4)	100229	Same
15	Magnetic Flex Stripping 1"	103070	Same

CRANE[®] MERCHANDISING SYSTEMS

XY MOTOR PICKER UNIT

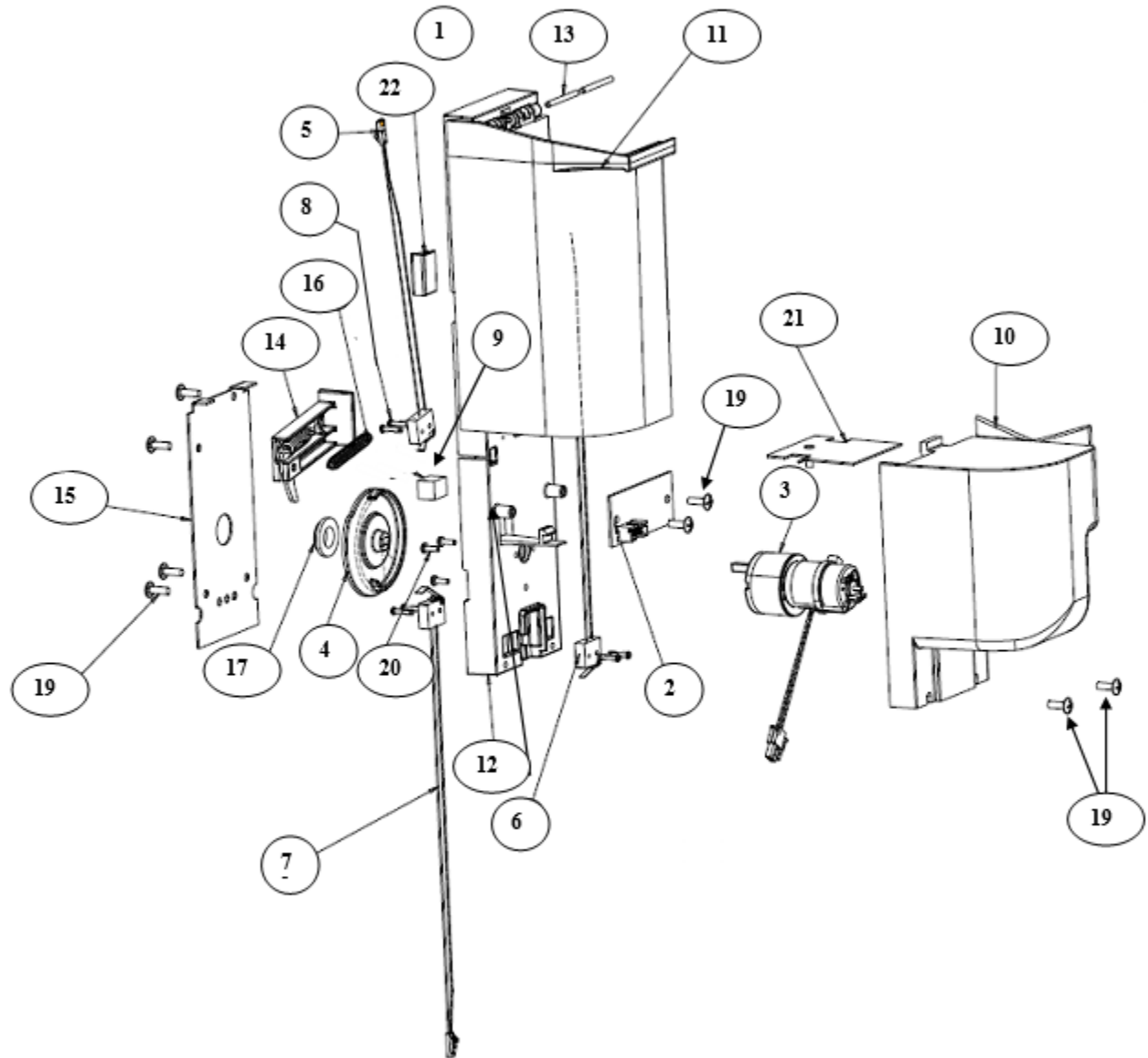


CRANE[®] MERCHANDISING SYSTEMS

XY Motor Picker Unit

ITEM REF	PART DESCRIPTION	DN5800-6 DN5800-E6	DN3800-6 DN3800-E6
1	XY Delivery System	110321	104567
2	Assembly Cover Y Belt, Modified	104770	Same
3	Y Motor Cover Top	101728	Same
4	X Motor Cover Bottom	101727	Same
5	X Bottom Belt Cover (Ramp)	104810	104809
6	Harness, X Motor (bottom, not shown)	100969	Same
7	X Top Carriage Assembly (top of XY)	104551	Same
8	X Axis Mounting Assembly Top	111388	105639
9	XY Extrusion (X track)	101750	101753
10	Harness, XY E Chain (Top horizontal, not shown)	100981	100811
11	Harness, Y E Chain (vertical) was	101007	Same
12	XY Belt Idler Tensioning Assembly (top left)	105492	Same
13	Motor XY System, Planetary (Large D shaft)	101105	Same
14	Idler Pulley and Bracket Assembly	105499	Same
15	X Top Idler Pulley Assembly	105495	Same
16	Belt Clamp (for Y-Assembly)	100059	Same
17	X Drive Pulley Assembly	104636	Same
18	X Axis Belt (22.5')	101690	Same
19	X Bottom Carriage Assembly (bottom of XY)	105504	Same
20	Assembly X Axis Drive, Bottom	105491	104566
21	Assembly Y Axis	105638	Same
22	Y Carriage Assembly	105503	Same
23	Y Axis Belt (10.5') (not shown)	101689	Same
24	Screw Hex ¼ - 28 x .5	100259	Same
25	Spacer, ¼ ID X .257"	100384	Same
26	Hex Nut, ¼ - 28	100178	Same
27	Micro Switch with Straight Arm (X Home)	101226	Same
28	Y Motor Board	100630	Same
29	Y Extrusion	101752	Same
30	Pulley Roller (4 per carriage)	101814	Same
31	XY Shipping Bracket	105476	Same
32	Screw, Wing ¼ - 20 x 1 ¼ molded nylon (for shipping bracket)	100332	Same
33	Belt Tensioner Spring (Y Belt only)	100403	Same
34	Y Pulley Drive Assy.	104634	Same

DELIVERY (PICKER) CUP ASSEMBLY

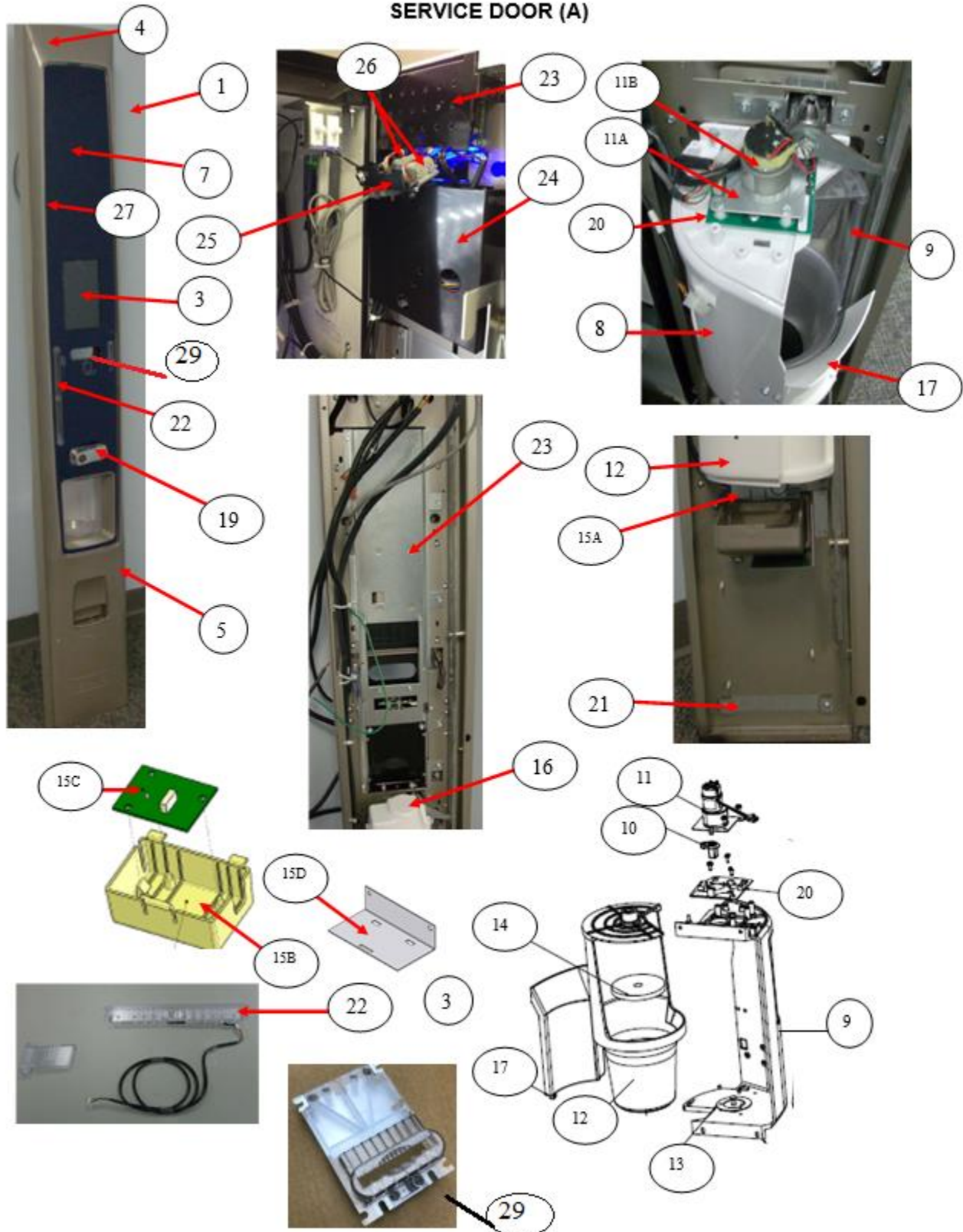


CRANE[®] MERCHANDISING SYSTEMS**Delivery (Picker) Cup Assembly**

ITEM REF	PART DESCRIPTION	DN5800-6 DN5800-E6	DN3800-6 DN3800-E6
1	Assembly Delivery (Picker) Cup Extended Plunger Assembly w/ Sensor	101729	Same
2	Cup Base Board (Picker Cup Board with sensor)	101161	Same
3	Cup/Port Motor Assembly	101080	Same
4	Cup Motor Cam	101702	Same
5	Micro Switch with Bent Arm (Picker Home Switch)	101227	Same
6	Micro Switch with Straight Arm (Cup Home Switch – Y)	101208	Same
7	Micro Switch with Bent Arm (Picker Out Switch)	101209	Same
8	Screw, Phil Pan 2 – 32 X 1/2	100280	Same
9	Plunger Cup Bumper	101699	Same
10	Base Cup Cover, Extended	101726	Same
11	Delivery Cup Sleeve	103044	Same
12	Delivery Cup Body, Extended	101694	Same
13	Pin Cup Hinge	100122	Same
14	Assembly Extended Plunger	101810	Same
15	Motor Cam Cover	105468	Same
16	Return Spring, Plunger (Picker Cup)	100411	Same
17	Cam Bearing	100004	Same
18	Harness, Cup to E Chain	100930	Same
19	Screw, 8 – 18 x ½ Pan Head, Machine	100316	Same
20	Screw, #4 – 40 x 3/8 Machine w/ lock washer	100328	Same
21	Cup Sensor Plate	102989	Same
22	Flat Wire Clip	100086	Same
23A	Cup Deflector w/ Ribs	101737	Same
23B	Cup Deflector w/o Ribs	101738	Same

CRANE[®] MERCHANDISING SYSTEMS

SERVICE DOOR (A)



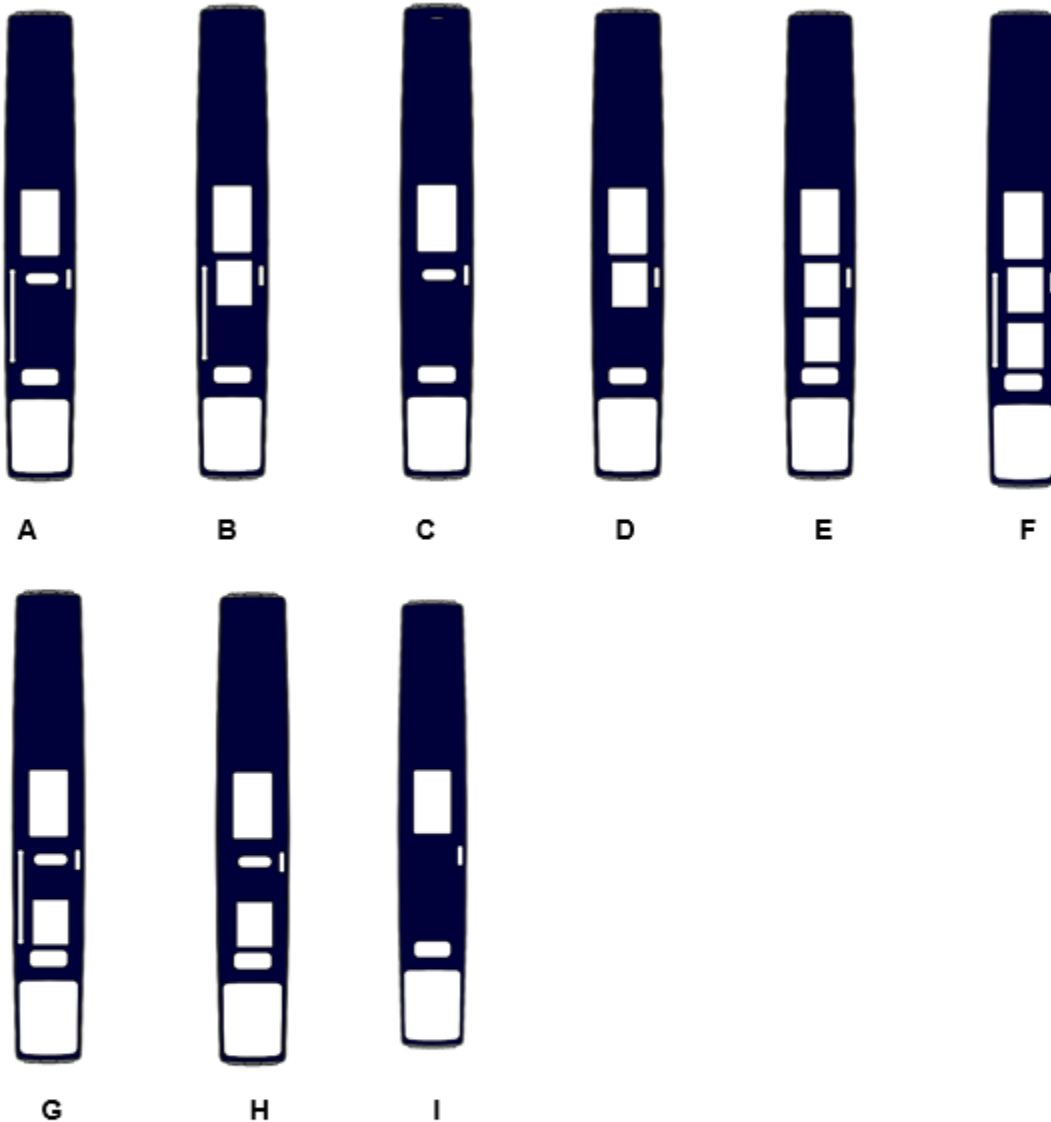
CRANE[®] MERCHANDISING SYSTEMS

Service Door (A)

ITEM REF	PART DESCRIPTION	DN5800-6 DN5800-E6	DN3800-6 DN3800-E6
1	Service Door Integrated Assembly, 7 Inch Touch, Platinum	111490	Same
	Service Door Integrated Assembly, 7 Inch Touch, Black	111236	Same
2	Weld Assembly Service Door, 7 Inch Touch, Platinum	104677	Same
	Weld Assy. Service Door, 7 Inch Touch, Black	104754	Same
3	7 Inch Touch Screen Display	104456	Same
4	Bezel Center, Upper (Champagne)	112907	Same
	Bezel Center, Upper (Black)	112894	Same
5	Bezel Center, Lower (Champagne)	101355	Same
	Bezel Center, Lower (Black)	101339	-----
6	Top Door Hinge Assy., Service Door	104555	Same
7	Sign, Blue Swirl 7" Integrated Coin, Bill, Credit Card (Pill) (shown)	102288	Same
	Contact Crane Merchandising Systems Parts Order Entry when ordering Sign (Pill) replacements. See next page for layouts.	NA	NA
8	Assembly Port	110680	Same
9	Port Enclosure	102820	Same
10	Port Cam	101714	Same
11A	Bracket Motor Mount	105443	Same
11B	Port Motor, Short	101096	Same
12	Assembly Inner Cup Port	101481	Same
13	Vend Sensor Plate Assy. – Electrode FR4	Not Sold Separately	
14	Port Discharge Pad	101700	Same
15A	Vend Sensor Board Assembly, Port (15B+15C+15D) <i>applicable to venders with serial number 2851-0001BP and higher</i>	104570	Same
15B	Port Sensor Cover/Housing	102867	Same
15C	Vend Sensor with Harness	101490	Same
15D	Vend Sensor Bracket	104569	Same
15E	Old Vend Sensor Board Assembly, Port (15B+15C+15D) <i>used prior to serial number 2851-0001BP</i>	114909	-----
16	Motor Port Cover	100685	Same
17	Port Handoff Slide	103050	Same
18	Screw, Hex Button Head 10 - 32 x5/8 (secures bezels to panel)	100256	Same
19	Assembly Handle, Offset (L shape)	102641	Same
20	Port Circuit Board (top of port assy)	100627	Same
21	Lower Bezel Mounting Bracket	104703	Same
22	Card Reader & Mag Head Assy. (swipe part)	101357	Same
23	LED Board Cover	104707	Same
24	Atlas Board Cover	112909	Same
25	DAX and Light Engine Bracket	104701	Same
26	Light Engine	102461	Same
27	Guide Flex Light Ø5mm (around Pill)	102415	Same
28	Hex Nut, #8 – 32 (used to secure pill to door frame)	100153	Same
29	Bezel, Integrated Validator Clear (CPI 250064300)	103800	Same

CRANE[®] MERCHANDISING SYSTEMS

Service Door Sign (Pill) Layouts



A	Pill 7" Touch with Integrated Coin, Bill, Credit Card
B	Pill 7" Touch with Integrated Coin & Credit Card + Upper Knockout
C	Pill 7" Touch with Integrated Coin, Bill, & no Credit Card
D	Pill 7" Touch with Integrated Coin & Upper Knockout
E	Pill 7" Touch with Integrated Coin, Upper & Lower Knockouts
F	Pill 7" Touch with Integrated Coin & Credit Card + Upper & Lower Knockouts
G	Pill 7" Touch with Integrated Coin, Bill, Credit Card + Lower Knockout
H	Pill 7" Touch with Integrated Coin, Bill + Lower Knockout
I	Pill 7" Touch

Contact Crane Merchandising Systems Parts Order Entry when ordering Sign (Pill) replacements.

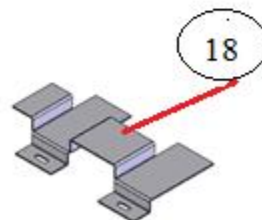
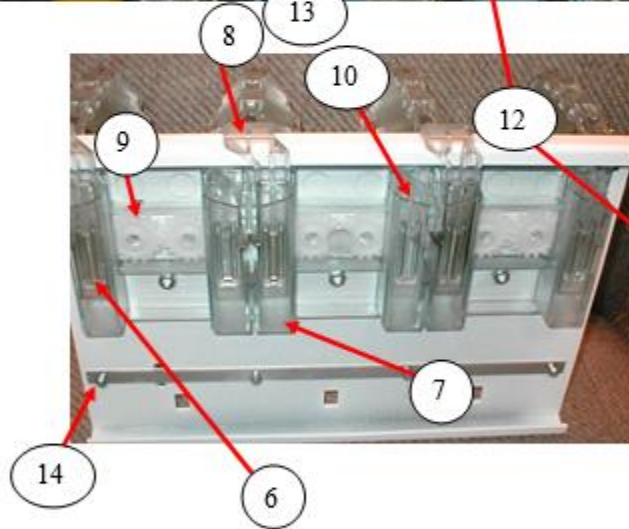
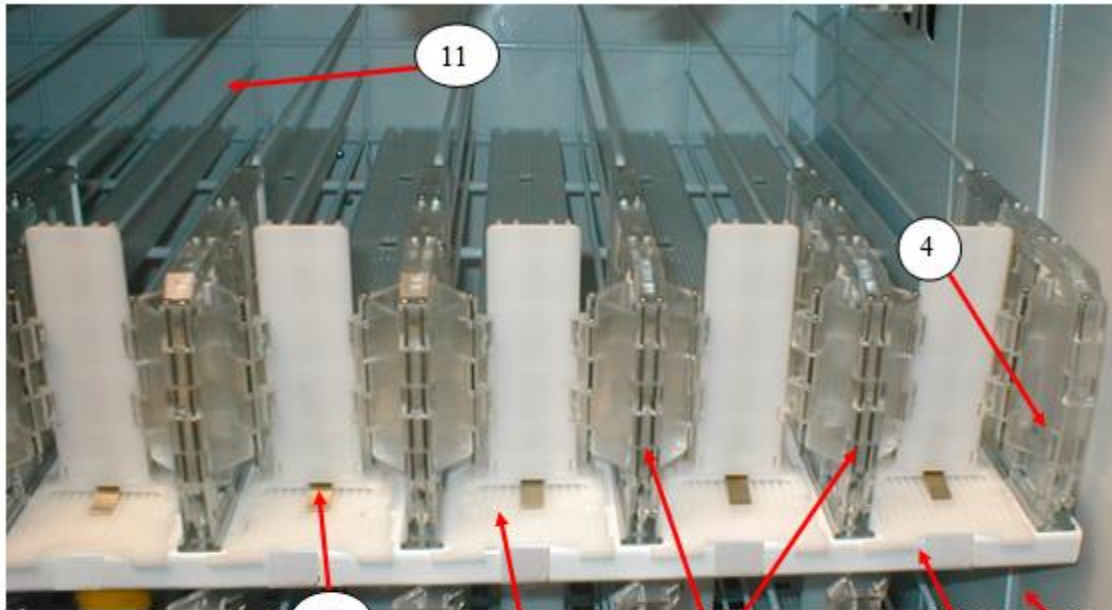
CRANE[®] MERCHANDISING SYSTEMS

Service Door (B)

ITEM REF	PART DESCRIPTION	DN5800-6 DN5800-E6	DN3800-6 DN3800-E6
1	7 Inch Touch Screen Display, White Housing – <i>must replace harness (110691) when replacing old touch screen with black housing, also requires 10.11.6 software.</i>	104456	Same
2	PCB LED Assembly	100638	Same
3	Latch Bar Pawl	102699	Same
4	Lower Vandal Bracket	104724	Same
5A	Coin Return Cup, Champagne	101733	Same
	Coin Return Cup, Black	101734	Same
5B	Coin Return Cup Flap, Champagne	102830	Same
	Coin Return Flap, Black	102831	Same
6	Hex Nut, ½ - 20	100175	Same
7	Lock Bar Spacer Pin	100208	Same
8	Lock Bar	104773	Same
9	Enclosure, Port	102820	Same
10	DEX Harness, 12"	101004	Same
10A	Hex Nut for DEX Harness .375 - 32	100162	Same
11A	Integrated Bill Payment Bracket Assy. (shown)	104722	Same
11B	Standard Payment Bracket (not shown)	104723	Same
12	T Handle Assembly Offset (L shape) Includes: T Handle Body Offset, T Handle Basket, T Handle Offset, T Handle Stop Washer, Internal Tooth Washer, Jam Nut, T Handle Spring, T Handle Pin.	102641	Same
13	Lock Surround Bracket	104725	Same
14	LED Driver Board Assy.	102975	Same
15	Light Pipe Split Sleeve	104221	Same
16	DAX & Light Engine Bracket	104701	Same
17	High Brightness Light Engine (10 pin connector – 10" long)	102461	Same
18	Door Stop	105405	Same
19A	Door Switch (Cherry E79-30A Interrupt)	101188	Same
19B	Door Switch Bracket	104768	Same
20	Kit, Retrofit Integrated NFC with LED lighting (for subcomponent break-down...See Pg 36)	106770	Same
	Kit, Retrofit Integrated NFC without LED lighting	112501	Same

CRANE[®] MERCHANDISING SYSTEMS

GATE TRAY DETAIL



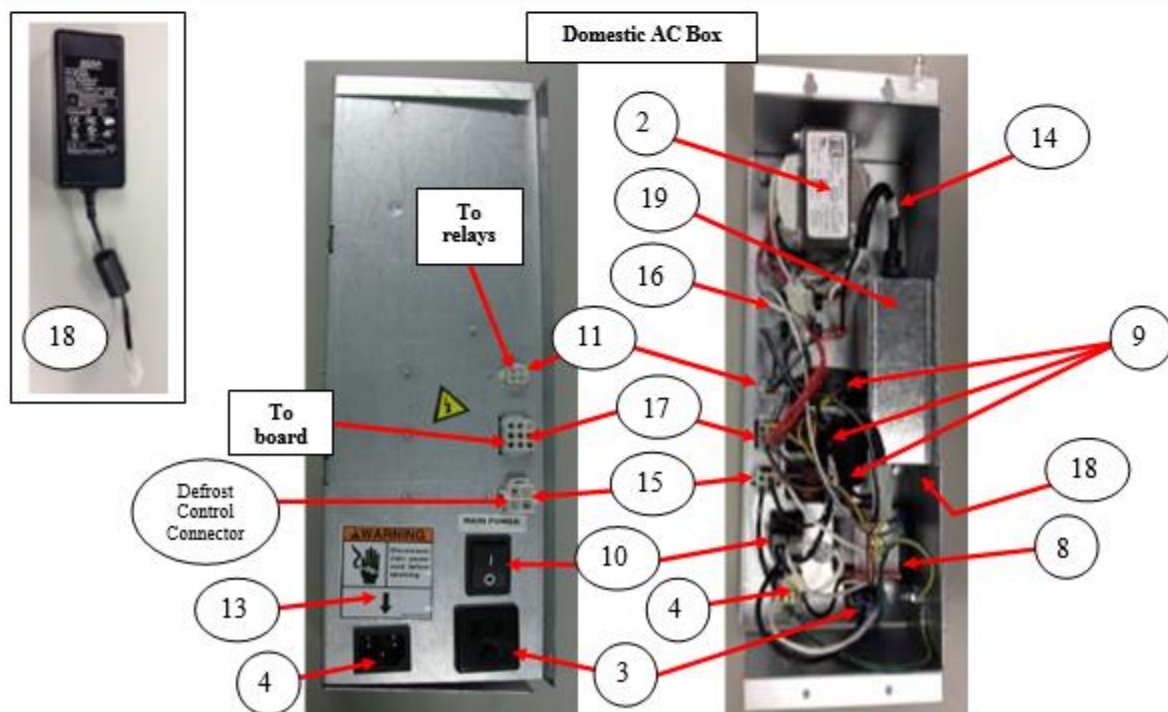
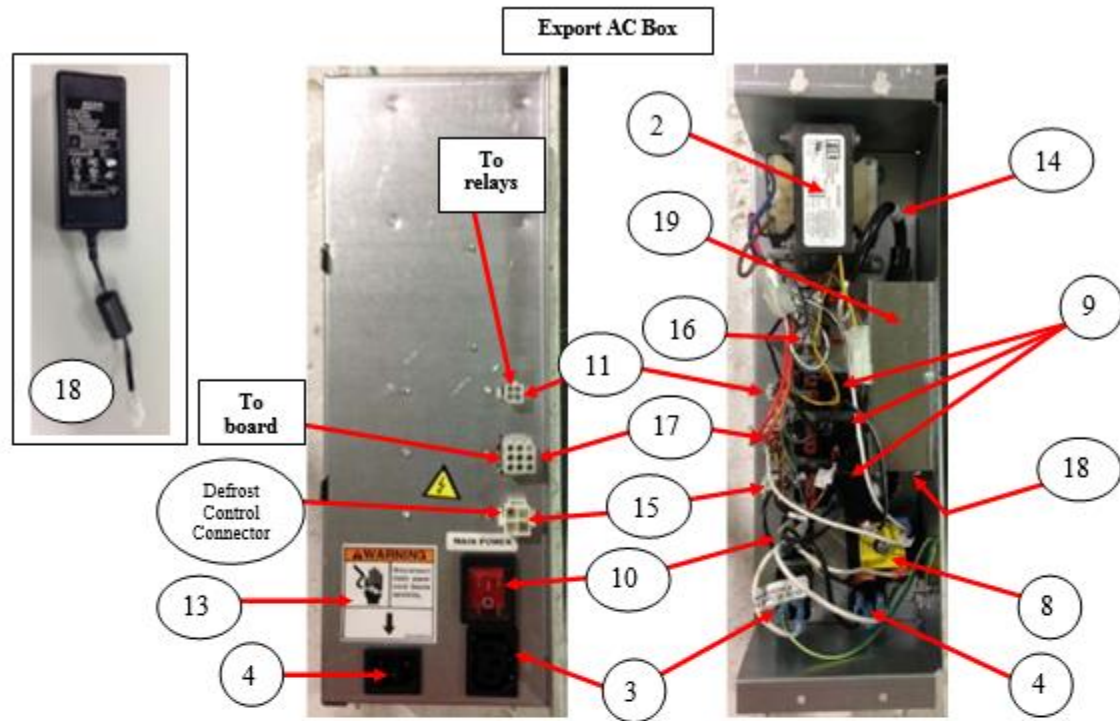
CRANE[®] MERCHANDISING SYSTEMS

Gate Tray Detail

ITEM REF	PART DESCRIPTION	DN5800-6 DN5800-E6	DN3800-6 DN3800-E6
1	Tray Assy., 9 Column	105565	NA
	Kit, Tray Square D Modified - Wide	111459	NA
	Tray Assy., 7 Column	NA	104709
	Kit, Tray Square D Modified - Narrow	NA	111457
2	Chassis Tray, Tall Gate	102808	NA
	Chassis Tray, Tall Gate	NA	110337
3	Double Gate Assembly Kit (gate & 2 screws)	111801	Same
	Double Gate Assembly (part of 111801 kit)	101773	Same
	Square D Modified Double Gate Assy (kit NA)	101788	Same
4	Double Gate Assembly Right Kit (gate & 2 screws)	111799	Same
	Double Gate Assembly Right (part of 111799 kit)	101775	Same
	Square D Double Gate Assembly Right (kit NA)	101790	Same
5	Double Gate Assembly Left Kit (gate & 2 screws) (not shown)	111800	Same
	Double Gate Assembly Left (part of 111800 kit)	101774	Same
	Square D Double Gate Assembly Left (kit NA)	101789	Same
6	Spring Gear Box	Part of #7	
7	Gear Box Assembly, 3 column	102850	Same
	Gear Box Assy., 2 column	NA	102851
8	Double Gate Drive Mech Target	Part of #7	
9	Double Gate Drive Mech Gear	Part of #7	
10	Double Gate Drive Mech Follower	Part of #7	
11	Tray Wire, Formed Domestic 9 Column (Wide)	101854	NA
	Tray Wire, Formed Domestic 7 Column (Narrow)	NA	101855
12	Slide with Product Pusher Assembly	103047	Same
13	Product Pusher Spring	Part of #12	
14	Screw, Hex Washer Head #6-19X.5 (used with Square D Modified Gates)	100304	Same
15	1/4" Socket, 1/4" Drive	NA	Same
16	Stabilizer, Tray Slide	101849	Same
17	Retaining Ring	100221	Same
18	Gear Box Brace (used with Square D Gate Assy's only)	104830	Same
19	Small/Narrow Diameter Column Insert (used for narrow products)	104845	Same

CRANE. MERCHANDISING SYSTEMS

AC DISTRIBUTION BOX



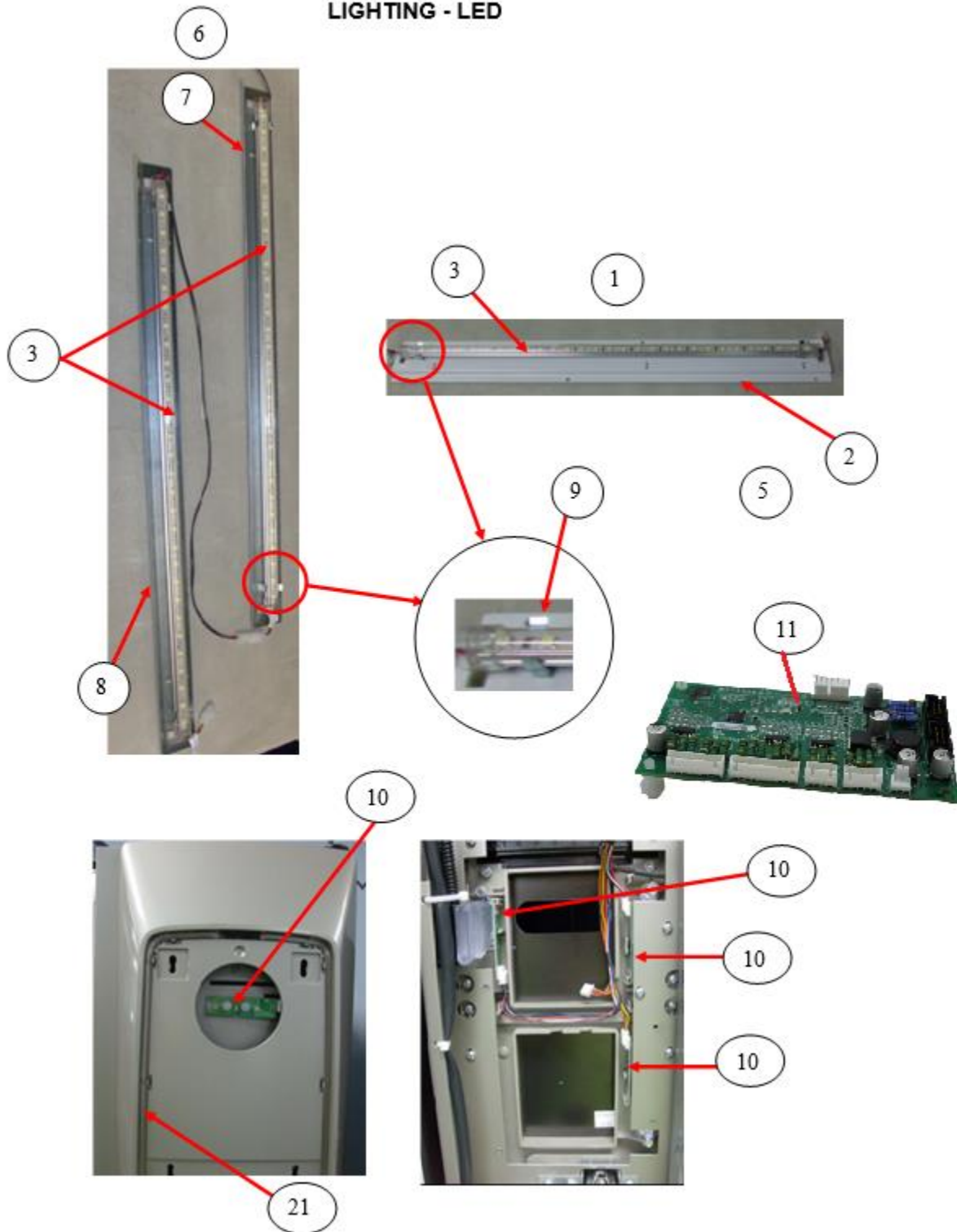
CRANE[®] MERCHANDISING SYSTEMS

AC Distribution Box

ITEM REF	PART DESCRIPTION	DN5800-6 DN3800-6 Domestic	DN5800-6 DN3800-E6 Export
1	Assembly AC Distribution Box, BevMax 6	104720	111281
2	Transformer, 120V / 24V, 60 Hz, 8A Domestic	101241	NA
	Transformer, Export	NA	101238
3	Outlet, 15 Amp, Grounded	102941	NA
	Receptacle, Panel Mount IEC 320	NA	101134
4	Power Inlet Plug	102993	Same
5	Harness, AC Power In	100974	Same
6	Label, On/Off Rocker switch	102151	Same
7	Harness, Main Power – GFCI Inline	111454	NA
	Power Cord, UK	NA	111537
	Power Cord, Australia	NA	101122
	Cord, Power Detachable Denmark	NA	101118
	Cord, Power Detachable Israel	NA	101119
	Cord, Power Detachable South Africa	NA	111845
	Cord, Power Detachable Europe Shuko	NA	101126
8	Assy Filter w/ Cap	114433	Same
9	Relay – Fan, Compressor, and Light	101145	Same
10	Rocker Switch	101181	101200
11	Harness, Relay	101011	Same
12	Main Power Label	102122	Same
13	Label, AC Box Power Disconnect	102147	NA
	Label, AC Box Power Disconnect, German	NA	102179
14	C13 Adapter with Flag Harness	101008	Same
15	Harness, Compressor Power AC Box (connects to 100976)	100980	Same
16	Filter, Light	100703	Same
17	AC Box Harness	101010	Same
18	Power Supply Harness 24V DC	103071	Same
19	LED Power Supply Mounting Bracket	104825	104814

CRANE[®] MERCHANDISING SYSTEMS

LIGHTING - LED



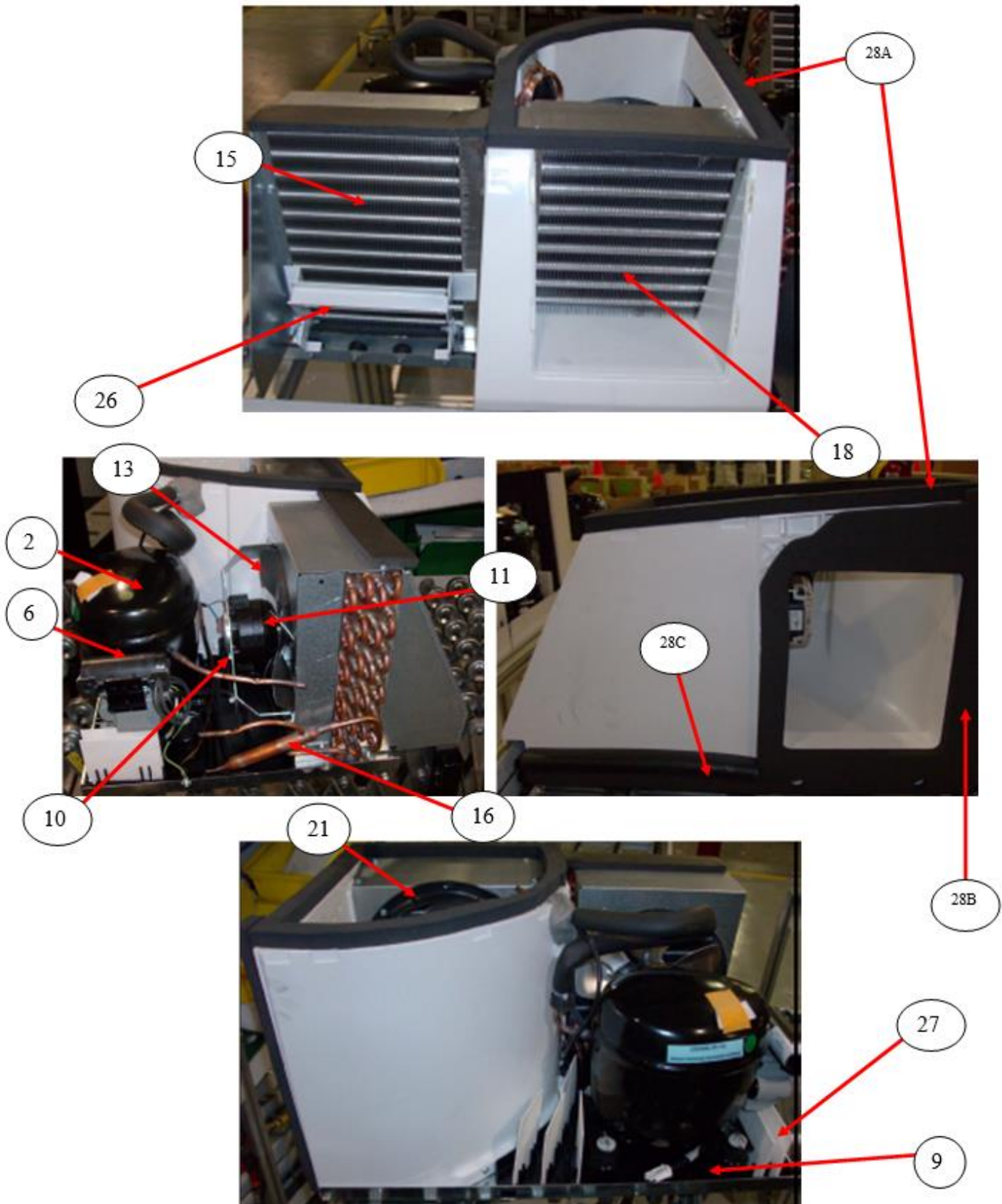
CRANE[®] MERCHANDISING SYSTEMS

Lighting - LED

ITEM REF	PART DESCRIPTION	DN5800-6 DN3800-6 Domestic	DN5800-E6 DN3800-E6 Export
1	Horizontal (Upper) Light Assembly (1 Lamp) LED	105571	Same
2	LED Top Mounting Light Assy.	110343	Same
3A	Lamp Assy., T5 600MM, 30 LED's 24vDC	102443	Same
3B	Lamp Assy 500MM, 72 LED's 24vDC (20" length)	102445	Same
4	Relay (in AC Box Assy.)	101145	Same
5	Light Filter (in AC Box Assy.)	100703	Same
6	Vertical (Side) Light Assy. (2 Lamp) LED	108657	Same
7	LED Pocket for T5 600MM Lamp	110344	Same
8	LED Pocket for T5 500MM Lamp	110343	Same
9	LED Spring Clip	100069	Same
10	PCB LED Assy.	100638	Same
11	PCB LED Driver Assy. (see Service Door A & B)	102975	Same
12	DAX & Light Engine Bracket (see Service Door A & B)	104701	Same
13	LED Board Cover (see Service Door A)	104707	Same
14	High Brightness Light Engine (see Service Door A & B)	102461	Same
15	Split Light Pipe Sleeve(see Service Door B)	104221	Same
16	LED Harness (see Harnesses)	101002	Same
17	LED Badge Harness (see Harnesses)	111795	Same
18	LED Bundle Harness (see Harnesses)	101015	Same
19	LED Power Supply Mount Bracket (see AC Box)	104814	Same
20	LED Controller Power Harness (see Harnesses)	100836	Same
21	Guide Flex Light Ø5mm (around Pill)	102415	Same

CRANE[®] MERCHANDISING SYSTEMS

134a REFRIGERATION UNIT BevMax 6 (with Plastic Evap Box)



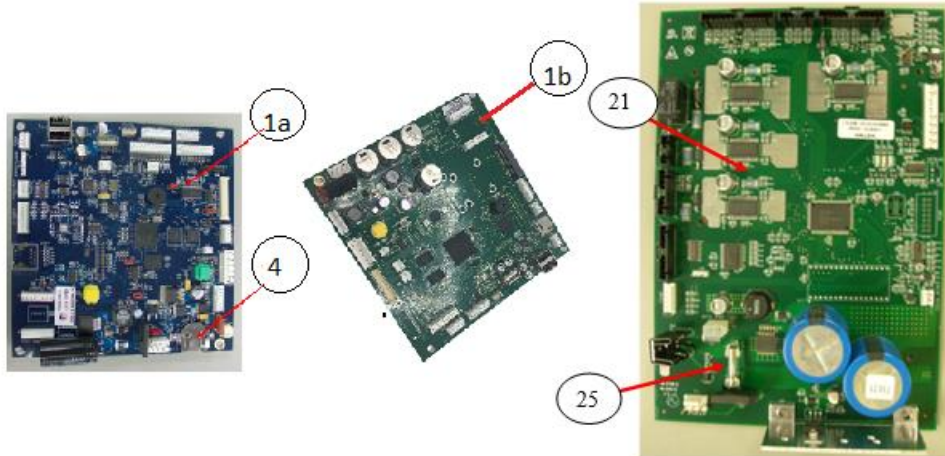
CRANE[®] MERCHANDISING SYSTEMS

134a Refrigeration Unit BevMax 6 (with Plastic Evap. Box)

ITEM REF	PART DESCRIPTION	DN5800-6 DN3800-6 Dom (110V)	DN5800-E6 DN3800-E6 Exp (220V)
1A	Refrigeration Unit, Kit (Plastic Evap Box)	105574	105575
2A	Compressor (FFU130HAX Domestic (1/3HP)	101569	101571
3A	Overload, 115V Domestic (EM# 513554617)	101112	NA
4A	Relay, 110V –Domestic (EM# 213516051)	101141	NA
5	Cover, Electrical	Not Sold Separately	
6A	Start Capacitor, 110V – Domestic (EM# 3252378)	108821	NA
7	Start Capacitor, End Cap Bottom Hole	108822	NA
8	Bracket, Capacitor	Not Sold Separately	
9	Drain Pan, Condensate – does not include soakers (9"x 14.69"roughly)	102962	NA
10A	Assembly Condenser Fan	105624	104583
11A	Condenser Fan Motor Only	101633	101095
12	Silencer	105628	Same
13	Fan Blade, Condenser	101554	101557
14	Speed Nut	100171	Same
15	Condenser Coil (11 x x8 x 2.5)	101592	Same
16	Dryer, Extended Outlet	100693	Same
17	Grommet Compressor	100115	Same
18	Evaporator Coil (9 x 8 x 3.125)	101624	Same
19	Accumulator	101548	Same
20	Encapsulated Temperature Sensor, applicable to Bev2/3/4/6/CO2	101160	Same
21	Assembly Evaporator Fan CCW (5 blade) (Sold As Assembly Only)	110719	101628
23	Defrost Control	100673	Same
24	Evaporator Drain Pan Assy.	NA	Same
25	Condensate Drain Trap, Modified	110319	Same
26	Deck Handle Clamp	104558	Same
27	Soaker, Fiberglass (quantity 6)	101658	Same
28	Gasket Kit – includes: A – 110326 Top Evaporator; B – 110326 Right side Evaporator; C – 110383 Lower Right side air gasket	102757	Same
29	Refrigeration Deck Clamp Assembly	104554	Same
30	Grill, Plastic Evaporator	102854	Same

CRANE[®] MERCHANDISING SYSTEMS

ELECTRONICS



BevMax 6 Atlas Control Boards

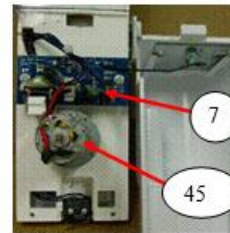
BevMax 6 I/O Control Boards



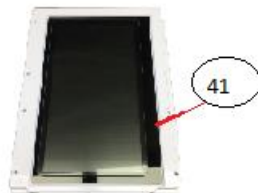
BevMax 6 PCB LED Driver Board



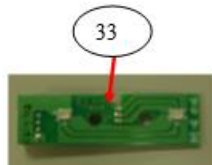
Y Board



Delivery Cup Board



Touch Screen



PCB LED Assy.



Port Assy. Board



Vend Sensor Assy.



Coin Return Motor

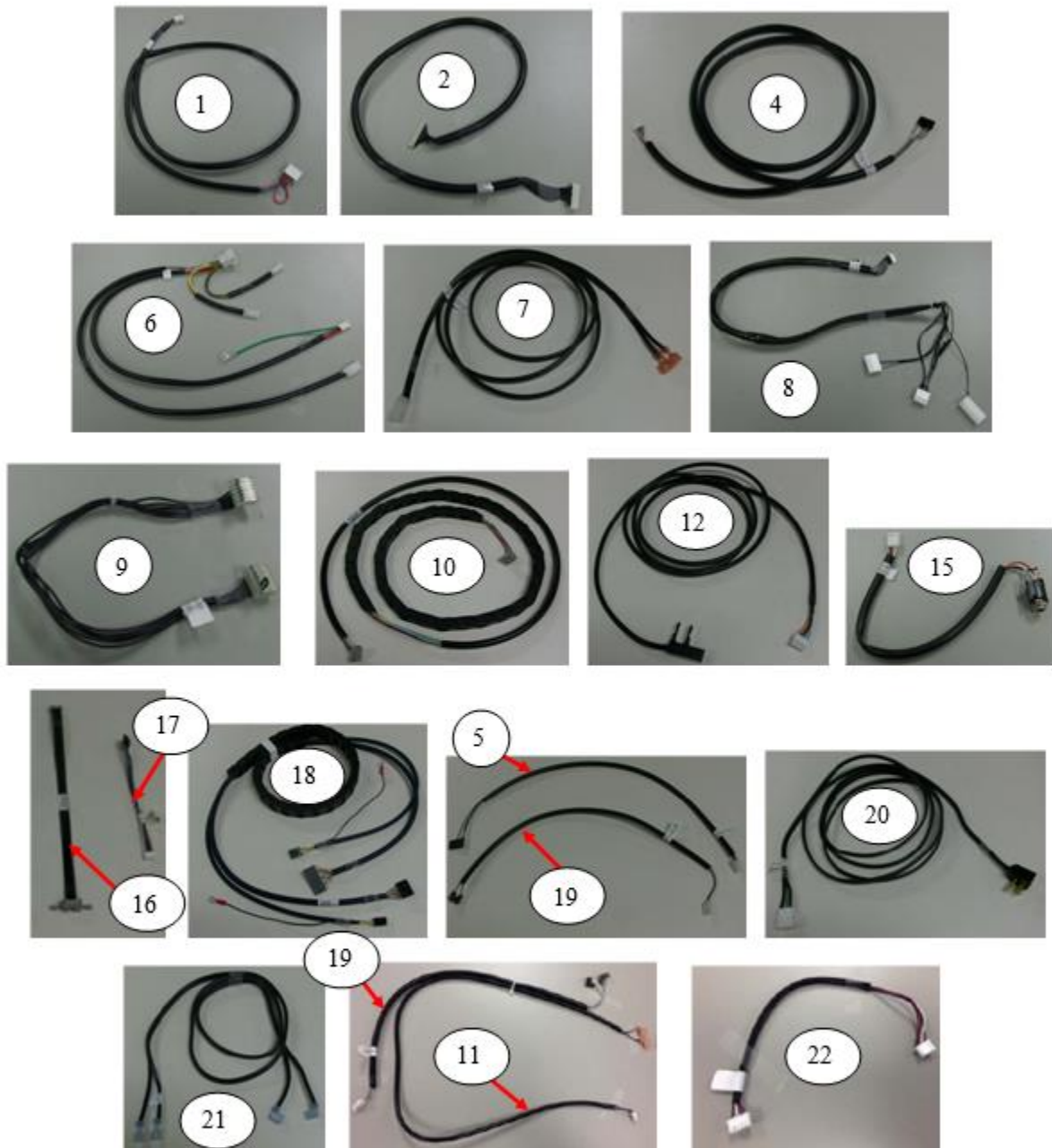
CRANE[®] MERCHANDISING SYSTEMS

Electronics

ITEM REF	PART DESCRIPTION	DN5800-6 DN5800-E6	DN3800-6 DN3800-E6
1a	BevMax 6 Atlas G Control Board (7 Inch Touch with current software)	100646	Same
1b	BevMax 6 Atlas H Control Board Kit(9 inch Touch with current software) Kit Contains: H Board, Harnessing to White and Black Touch Screen & Instructions	114424	Same
2	Standoffs, .8 – 32 x 5/8	101171	Same
3	Transformer – Domestic (not shown, see AC Box)	101241	Same
	Transformer – Export (not shown, see AC Box)	101238	Same
4	Battery, 3 Volt Lithium	100624	Same
5	Encapsulated Temperature Sensor (not shown see Harnesses A)	101160	Same
6	Filter, Evaporator Fan Assembly & Lighting/AC Dist. Box – Domestic	114433	Same
	Filter, Evaporator Fan Assembly & Lighting/AC Dist. Box – Export	114433	Same
7	Delivery (Picker) Cup Base Board	101161	Same
8	Vend Sensor Board Assembly, Port applicable to venders with serial number 2851-0001BP and higher	104570	Same
9	Relay – Fan, Compressor, & Light (see AC Box)	101145	Same
10	Atlas Board Cover (see Service Door A)	112909	Same
21	PCB Cold Drink I/O Board Assy.(Interface Board)	100635	Same
22	Standoffs, .8-32 X 5/8 (5)	101171	Same
23	Control Board Bracket Assy., <i>includes standoffs 101171</i>	110317	Same
24	I/O Board Controller Cover	104544	Same
25	Fuse, 3 Amp 5 X 20mm Sloblo (on Control Board)	100713	Same
31	LED Driver Board Assy.	102975	Same
32	Standoffs, .8-32 X 5/8	101171	Same
33	PCB LED Assy.	100638	Same
41	7 Inch Touch Screen Display, White Housing – <i>must replace harness (110691) when replacing old touch screen with black housing, also requires 10.11.6 software.</i>	104456	Same
42	Y Motor Board	100630	Same
43	Coupling Motor (Electronic Coin Return)	100100	Same
44	Motor, Short (Port only)	101096	Same
45	Delivery Cup Motor	101080	Same
46	XY Motor (Planetary) (also see XY Motor Picker Unit)	101105	Same

CRANE[®] MERCHANDISING SYSTEMS

HARNESSES



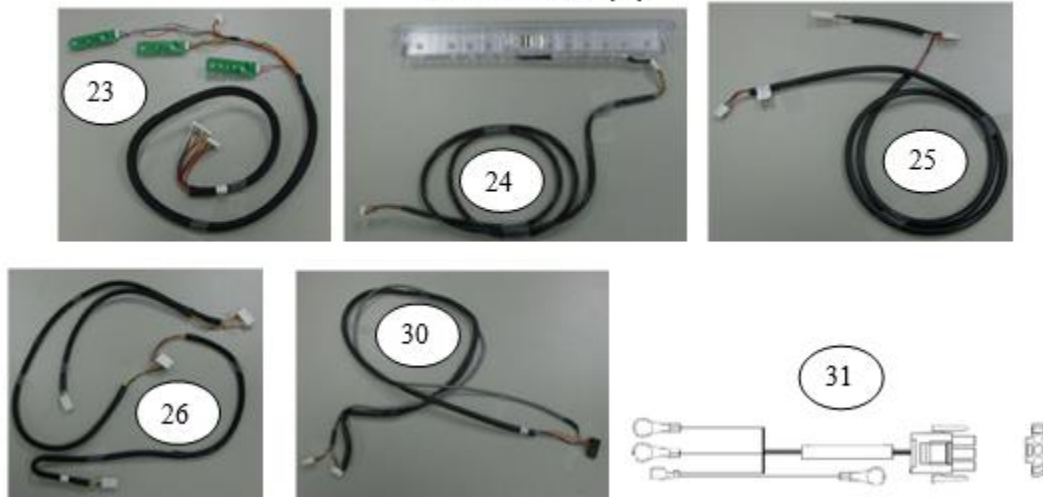
CRANE[®] MERCHANDISING SYSTEMS

Harnesses (A)

ITEM REF	PART DESCRIPTION	FROM/TO	DN5800-6 DN5800-E6	DN3800-6 DN3800-E6
1	Harness, Coin Return Motor	3 pin white connector J8 I/O board to coin return motor board 6 pin flat white connector	101006	Same
2A	Harness, 7" Touch Media with Black Housing	20 pin grey connector J10 of Atlas board to 20 pin grey connector back of touch screen 10 pin connector 5 pin connector 10 pin connector 7 pin connector	100840	Same
2B	Harness, 7" Touch Media with White Housing	20 pin grey connector J10 of Atlas board to 40 pin molex connector back of touch screen 10 pin connector 5 pin connector 10 pin connector 7 pin connector	110691	Same
4	Harness, X Motor, 74" long	8 pin flat black at P15 IO Board, 6 pin white plug to motor	100969	Same
5	Relays Extension Harness, 24" long	10 pin flat black at P7 IO Board to 4 pin white plug at AC Distribution Box	101017	Same
6	Harness, AC Distribution Interior Power, 28" long	3 pin white plug at P1 IO board to 9 pin white cap at AC Distribution Box, 2 pin white plug at evaporator fan, 2 pin plug to 2 lamp harness, 2 pin white socket to CR0013189 LED Controller power harness	101012	Same
7	Harness, Evaporator, 80" long	2 spade plugs to evaporator fan harness to 2 pin white plug from AC Box Harness	100975	Same
	Harness, Evaporator Fan	Connects to Fan	108877	Same
8	Harness, LE to LCD	10 pin white connector back of touch screen to 10 pin connector J3, 5 pin connector J31, & 7 pin connector J38 at Atlas board.	100840	Same
9	Harness, LED Media	6 pin connector at J4 Atlas board to 6 pin connector J2 of LED Driver board	101002	Same
10	Harness, Y Motor E Chain	10 pin Gray at J1 of Y board, 10 pin Gray to delivery cup harness	101007	Same
11	Harness, Door Switch Media, 12" long	2 pin white connector at J7 Atlas board to right door switch (black wires) to Double Door Switch	400438	Same
12	Encapsulated Temp Sensor	6 pin white connector at J12 IO Board to Temp Sensor 87" long	101160	Same
13	Harness, Main Power 171" long	Detachable GFCI Power Cord (Domestic)	111454	Same
	Cord, Power UK (171")	Detachable, 3 pin 78" long	111537	Same
	Note →	For more detachable power cords see page 33 item 18		
14	Harness, AC Power In	In AC Distribution Box 2 white caps, 2 red flag, 2 blue spade connectors	100974	Same
15	Harness, DEX Panel Mount 12" long	4 pin flat white connector at J16 Atlas board to DAX & light engine bracket RS232 connector	101004	Same
16	Harness, Cup to E-Chain	10 pin Gray at J3 Picker Cup Board to Y E Chain (Black Ribbon Harness)	100930	Same
17	Harness, Board to Y Motor	6 pin flat black at P1 Y Board to 6 pin white to Y Motor	100934	Same
18	Harness, X/Y E Chain, 60" & 53" long	14 pin flat black at P14 IO Board to 10 pin flat black at P6 Y Board, 5 pin flat black at P8 IO Board to 4 pin flat black at P3 Y Board	100981	100811
19	Power Interrupt Sw. (Motor By Pass) 21" long	2 pin white connector to P3 I/O board to Left (PI) door switch (grey wires – Common, Normally Open)	100968	Same
20	Harness, Compressor Power (Domestic)	3 pin white plug to item 27 - 115" long	100971	Same
	Harness, Compressor Power ((Export)	3 pin white plug to item 27 - 115" long	100815	Same
21	Harness, Defrost Control	2 flag connectors to AC Box, 4 pin connector to Defrost Control	115163	Same
22	Harness, LED Badge	5 pin socket attached to J18 of LED Driver Board to 4 pin socket of PCB LED Assy. behind top of pill.	111795	Same

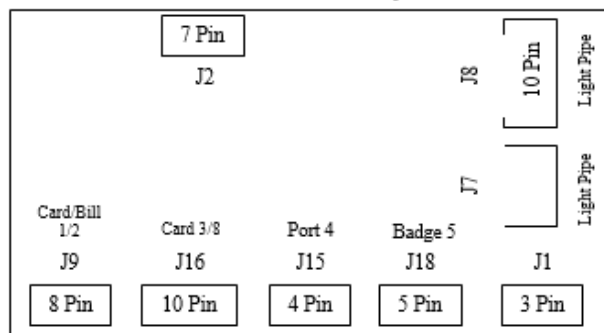
CRANE[®] MERCHANDISING SYSTEMS

HARNESSES (B)



ITEM	PART DESCRIPTION	FROM/TO	DN5800-6 DN5800-E6	DN3800-6 DN3800-E6
23	Harness, LED Bundle	10 pin white socket to J16 and 8 pin white socket to J9 of LED Driver board, 4 pin white sockets to PCB LED assemblies at coin insert slot, bill validator opening, 2 at cashless opening.	101015	Same
24	Harness, Card reader Media	5 pin white connector at J42 Atlas board to 5 pin connector of cashless bezel mag head	100842	Same
25	Harness, LED Controller Power	2 pin white plug to CR0014596 (Interior Power harness), 3 pin socket to J1 of LED Driver board assy	100836	Same
26	Harness, MDB Media	2 pin connector to 6 pin connector to J14 of Atlas board to 6 pin connector of coin mech, 8 pin connector to J18 of I/O board	101009	Same
27	Harness, Relay AC Box Global	6 pin connector to		
28	Harness, AC Box Power Distribution	4 pin cap to relay harness, compressor relay, fan relay, light relay, not shown	101011	Same
29	Harness, Compressor Power	2 pin plug to 9 pin cap to relays, transformer, choke, not shown	101010	Same
30	Harness, Port Motor & Sensor	4 pin connector to		
31	Harness, Compressor Extension 12" long	4 pin socket in AC Box to 2 spade terminals that go to relay coils & rocker (on/off) switch, not shown	100980	Same
32	Harness, C13 Adapter w/ Flag	12 pin connector to P2 of I/O Board, 7 pin connector to Port Board, 4 pin plug to Port Sensor Harness.	101005	Same
		3 "O" shaped connectors from overload/relay to 3 pin white socket to item 28	100822	Same
		C13 plug connector to 2 spade terminals & 1 "O" connector (Export)	101008	Same

PCB LED Driver Assy.



CRANE[®] MERCHANDISING SYSTEMS

Labels/Decals/Misc.

ITEM REF	PART DESCRIPTION	DN5800-6 DN5800-E6	DN3800-6 DN3800-E6
1	Thermometer	103073	Same
2	Price Sheet .35 – 1.10	102245	Same
	Price Sheet 1.15 – 1.85	102246	Same
	Price Sheet 1.90 – 3.75	102247	Same
3	Label, Selection - BevMax 6 (101 to 509)	102180	Same
4	Label, Warning “DO NOT TILT”	102133	Same
5	Programming Card, Quick Reference	TBD	Same
6	Label, On/Off Rocker Switch	102151	Same
7	Decal, Side Cabinet – Blue Swirl	n/a	n/a
	Decal, Side Cabinet – Black	n/a	n/a
	Contact your Crane Factory or Crane Order Entry for other available graphics.		
8	Decal , Glass Door – Blue Swirl	101967	101972
	Decal , Glass Door – Black	101911	101910
	Decal , Glass Door – Euro Gray	101892	101895
9	Decal, Cup Base – Blue Swirl	101968	Same
	Decal, Cup Base – Black	101880	Same
10	Decal, Sleeve – Blue Swirl	101969	Same
	Decal, Sleeve- Black Straight	101871	Same
11	Wiring Diagram, Domestic LED Lighting Touch	105890	Same
	Wiring Diagram, Export LED Lighting Touch	105896	Same
12	Decal, Glass Door Wear Strip	102359	Same
13	Label, Factory XY Settings	111127	Same
14	Label, Warning Ramp	102159	Same
15	Shipping Bracket & Bolt Instruction Sheet	102170	Same
16	Cord, Power Detachable Denmark IEC	111843	Same
	Cord, Power Detachable Israel IEC	104413	Same
	Cord, Power Detachable South Africa/India IEC	111845	Same
	Cord, Power Detachable Australia IEC	104416	Same
	Cord, Power Detachable Europe Shuko IEC	101126	Same
17	Label, Refrigeration Outlet	102130	Same
18	Label, Main Power	102122	Same
19	Label, No Extension Cords	102184	Same
20	Label, FCC Class A Statement	109203	Same
21	Label, AC Power Disconnect, AC Box (English)	102147	Same
	Label, AC Power Disconnect, AC Box (German)	102179	Same

Screws

(diagrams are for shape reference only)



A1



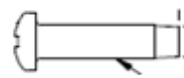
A2



A3



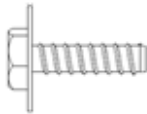
A4



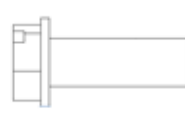
A5



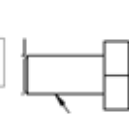
A6



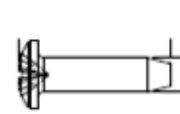
A7



A8



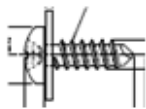
A9



A10

A11

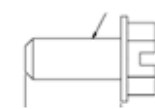
A12



A13

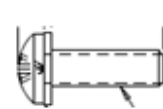


A14



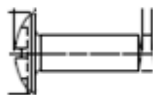
A15

A16

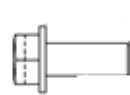


A17

A18



A19



A20



A21

A22

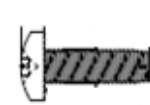


A23

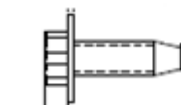


A24

A25



A26



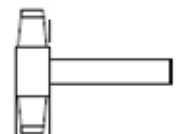
A27



A28



A29



A30



A31

not available

A32



A33

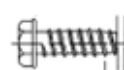
A34

A35



A36

A37



A38



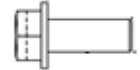
A39



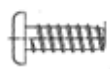
A40



A41



A42



A43



A44



A45

not available

A46

not available

A47

CRANE[®] MERCHANDISING SYSTEMS

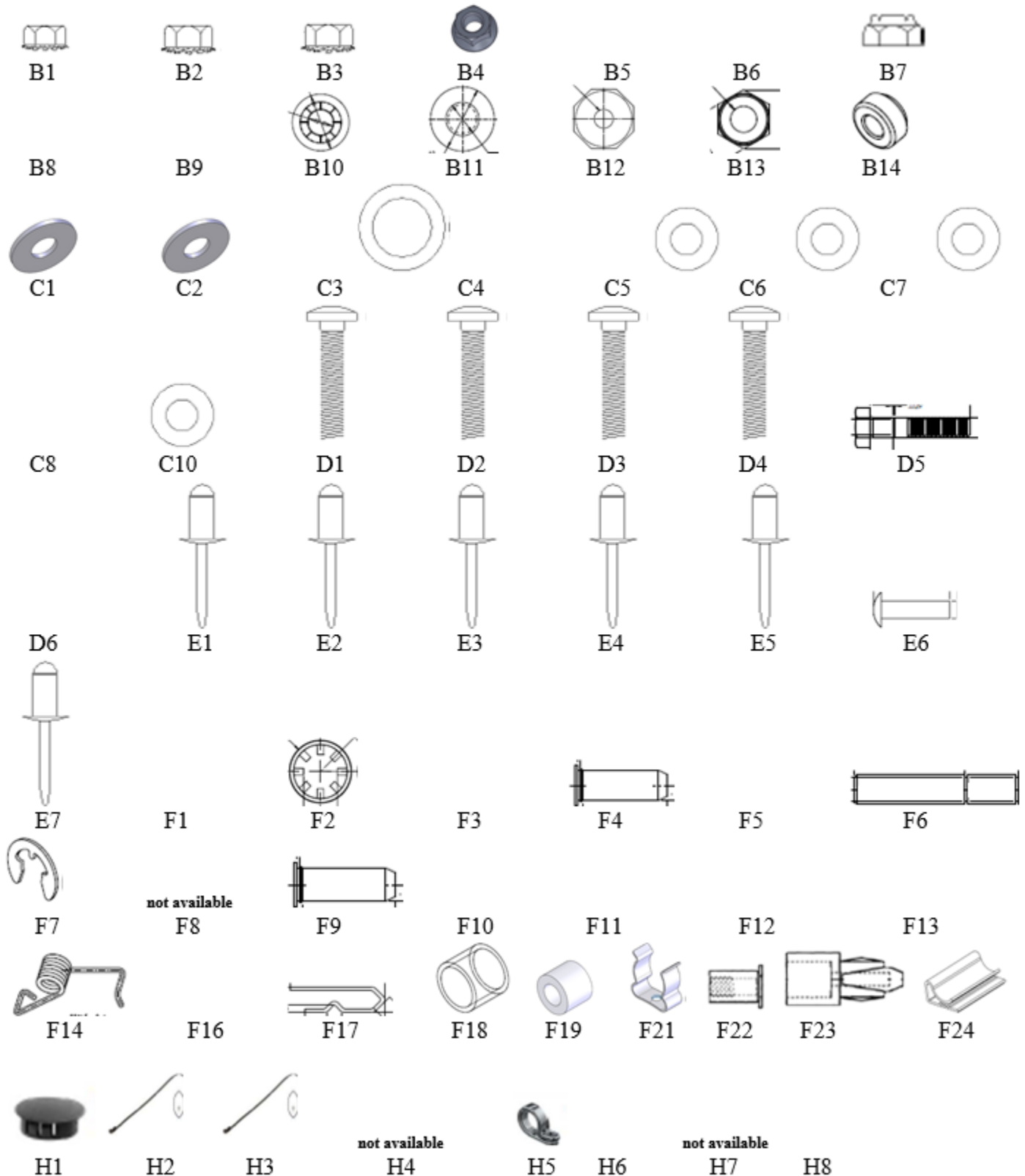
Screws

ITEM REF	PART NUMBER	PART NAME & DESCRIPTION
A1	100262	Screw, Phil Pan Sem 10 – 32 x ½"
A2	100266	Screw, Phil Pan #8 - 32 x 3/8"
A3	100265	Screw, Phil Pan w/out washer self drilling, #8 - 18 x 1/2"
A4	100318	Screw, Phil Pan Swage Form #8 - 32 x 1/4"
A5	100327	Screw, Phil Pan #2-32 x 3/8"
A6	100280	Screw, Phil Pan, #2-32 x 1/2"
A7	100304	Screw, Hex Washer Head #6 – 19 x .5"
A8	100288	Screw, Hex Head 8 – 16 x ½"
A9	100259	Screw, Hex Head ¼-28 X .5
A10	100325	Screw, Phil Pan #8 - 32 x 5/8"
A11		
A12		
A13	100267	Screw, Phil Pan Sems with washer, #8 - 18 x 1/2"
A14	100319	Screw, Self Tapping, 1/4 - 20 x 5/8"
A15	100277	Screw, Hex Washer 8x5/8"
A16		
A17	100328	Screw, Phil Pan with lock washer #4 - 40 x 3/8"
A18		
A19	100316	Screw, Phil Pan #8-18x1/2"
A20	100276	Screw, Hex Head 10-16x .50
A21		
A22		
A23	100326	Screw, Phil Pan #8-18x.375"
A24	100281	Screw, Phil Pan #8-18x5/8"
A25		
A26	100311	Screw, Phil Pan Swage Form #8-32x1/2"
A27	100275	Screw, Hex Washer Head #8-18x1/2"
A28	100255	Screw, Pan Head #6-32 X ¼
A29	102887	Knob, Thumb Screw Round
A30	100332	Screw, Wing ¼ - 20 x 1 ¼ molded nylon (for shipping bracket)
A31	100341	Screw, Nylon (Circuit Board Support – Display)
A32	100287	Screw, TEK Zinc #20 X .750
A33	100298	Screw, Fl. Torx Tap ¼-20 X ½
A34		
A35		
A36	100289	Screw, Shoulder ¼-20 X .35
A37		
A38	100241	Screw, Hex w/ Head, Hi-Lo #6 X ½
A39	100256	Screw, Hex Button Head 10-32 X 5/8
A40	100260	Screw, 10-32 X 1.375
A41	100239	Screw, Hex Head 8-32 X .81
A42	100321	Screw, Hex w/ Washer 8-32 X 3/8
A43	100243	Screw, TIF PHS 8-10 X .5
A44	100242	Screw, Hex w/ Head #8-32 X .31
A45	100238	Screw, Phil Pan Zinc 8-32 X 1
A46	100240	Screw, Hex w/ Washer #8-18 X .62

CRANE[®] MERCHANDISING SYSTEMS

A47	100286	Screw, Mounting Condenser Motor
-----	--------	---------------------------------

NUTS, WASHERS, BOLTS, & MISC. HARDWARE (diagrams are for shape reference only)



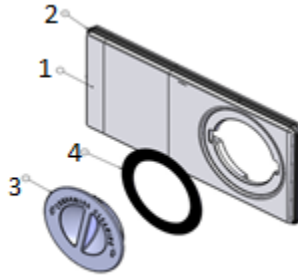
CRANE[®] MERCHANDISING SYSTEMS

Washers, Bolts, & Misc. Hardware

ITEM REF	PART #	PART NAME & DESCRIPTION	ITEM REF	PART #	PART NAME & DESCRIPTION
B1	100155	Hex Nut, #10 - 32	E1	100223	Pop Rivet, Stainless Steel .125 Dia X .265
B2	100156	Hex Nut, 1/4 - 20	E2	100229	Pop Rivet, Steel (Zinc Plated) 1/8"
B3	100153	Hex Nut, #8 - 32	E3	100228	Pop Rivet, Steel (Zinc Plated) 3/16"
B4	100182	Nut, Serrated Flange 3/8 - 16	E4	100226	Pop Rivet, Aluminum 1/8" White
B5			E5	100231	Rivet, 3/16 Countersink
B6			E6	100224	Rivet, Bulbex 3/16 Black
B7	100154	Elastic Stop Nut, #8 - 32	E7	100227	Pop Rivet, Steel 3/16 Black
B8			E8	100210	Pop Rivet, Multigrip Blind
B9					
B10	100173	Push Nut ID .250	F1		
B11	100150	Push Nut Washer Cap Type	F2	100221	Retaining Ring
B12	100148	Nylon Insert Lock Nut ¼ - 20	F3		
B13	100170	Nut, 10-32 Nylock	F4	100199	Pin Self Clinching .250 x ¾
B14	100164	Nut, ¼-20 Pemnut C420-1	F5	100047	Bushing, .5 X .691 X .187
B15	100171	Nut, Speed Cond. Motor	F6	100196	Pin Belt Tensioner Idler Pivot
B16	100178	Nut, Machine Hex ¼ - 28	F7	100106	E Ring Ext ¼ #E-25
B17	100146	Nut, Hex Zinc #8 – 32	F8	101171	Standoff Richo RLCBSR401SR
			F9	100200	Pin Self Clinch .250 x 1
C1	100506	Washer, EPDM 1-1/16 OD, ½ ID	F10		
C2	100507	Washer, Flat ½ ID, 1.25 OD	F11		
C3	100503	Washer, .260 ID x .687 OD Flat	F12		
C4			F13		
C5	100509	Washer, .191 ID x .5 OD x .054T Flat	F14	100410	Belt Tensioner Spring
C6	100487	Washer, SS Flat #10	F15		
C7	100488	Washer, Flat 18 Gauge 17/64ID x 5/8OD	F16		
C8			F17	100088	Clip, Retainer Compressor
C9			F18	100384	Spacer, 1/4ID X .275
C10	100501	Washer, Nylon .375	F19	100388	Spacer .312 OD X .171 ID X .250
			F20	100210	Cotter Pin .076 X .500
D1	100009	Bolt, Carriage ¼ - 20 x 2.5	F21	100069	Steel Spring Clip LED
D2	100016	Bolt, Carriage 3/8 – 16 X 1 3/4"	F22	101167	Standoff Flush Head #6 – 32 X 3/8
D3	100012	Bolt, ¼-20 X 1.75	F23	101165	Standoff Screw Mount PCB 3/8
D4	100010	Bolt, Carriage ¼-20 X 2	F24	100086	Clip, Flat Wire Heyco #3788
D5	100011	Bolt, Hex ¼-20 X 1.25			
D6			H1	100218	Plug, Dome Black .50
D7	100014	Bolt, Flange ¼ - 20	H2	100514	Wire Tie, 7 1/2"
D8	100013	Bolt, Carriage #10 – 24 X 1¼	H3	100513	Wire Tie, 4"
			H4	100516	Wire Tie, Twist
			H5	100056	Clamp, Nylon 5/16" White
			H6		
			H7	100068	Clamp, .250 Push Fin Base
			H8		

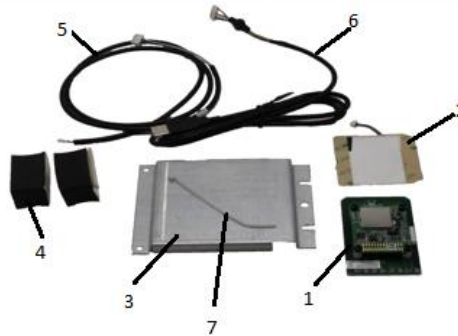
CRANE[®] MERCHANDISING SYSTEMS

Condenser Clean-Out Panel Assembly



ITEM REF	PART DESCRIPTION	DN5800-6 DN5800-E6	DN3800-6 DN3800-E6
	Assembly Panel Slanted w/ clean out, with plastic evap box Refrig unit	104831	104832
1	Slanted Foam Panel, Condenser Clean-out	105744	105745
2	Rubber Seal (sold by the inch) 5800-4 requires 66 inches 3800-4 requires 52 inches	102765	Same
3	Foam Cap, Condenser Clean-Out (White)	104833	Same
4	Seal, Foam Access w/ Adh.	102770	Same

Near Field Communication Kits



ITEM REF	PART DESCRIPTION	DN5800-6 DN5800-E6	DN3800-6 DN3800-E6
	Kit, Retrofit Integrated NFC with LED lighting	106770	Same
	Kit, Retrofit Integrated NFC without LED lighting	112501	Same
1	NFC Reader Board UIC680FG	400057	Same
2	LED Board Assembly	400063	Same
3	NFC Board Cover	104799	Same
4	Foam Block for NFC Plate	102781	Same
5	Harness, NFC Badge	101020	Same
6	Harness, USB Cable Type A	100841	Same
7	Wire Tie	100512	Same
8	3/2 Push Ring	400526	Same

Revision History

REV	DESCRIPTION	BY	DATE
0	Initial Version	T. Rhoad	10/6/2020
1	Verified	D. Love	10/13/2020
2			