

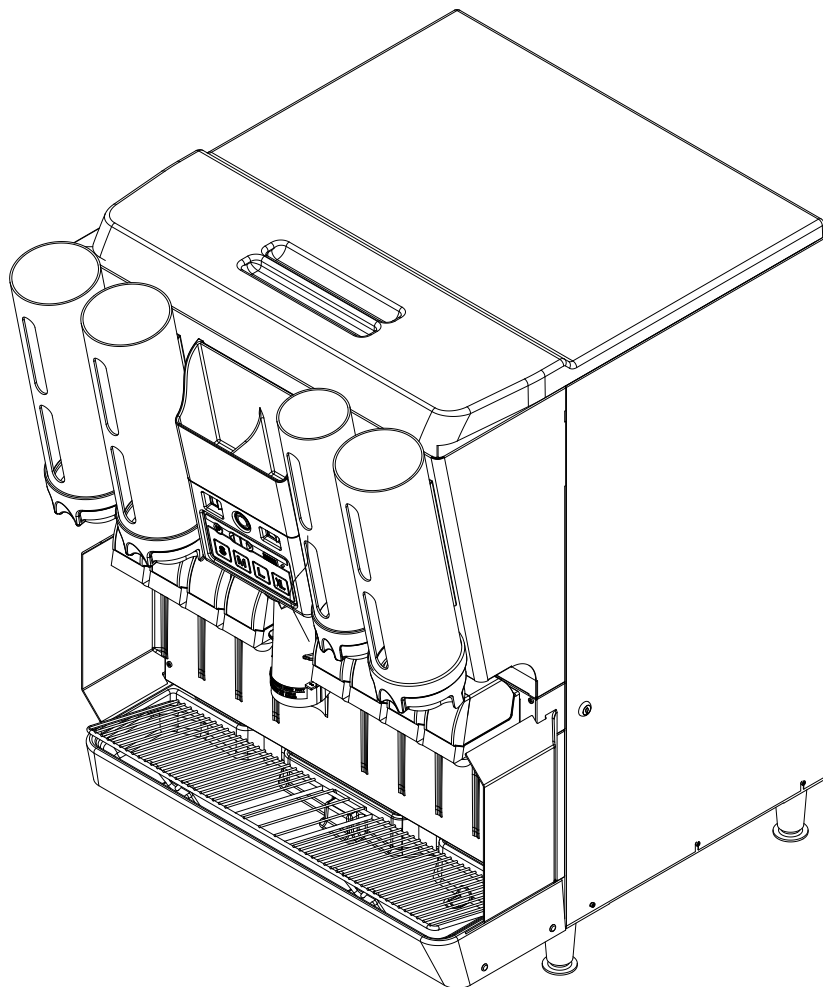


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# **IDC 255 PROGATE DRIVE THRU**

## **ILLUSTRATED PARTS LIST**

### **IDC/NGF 255BCHP**



**Release Date: June 27, 2006**

**Publication Number: 621057419IPL**

**Revision Date: November 22, 2017**

**Revision: G**

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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:**

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This document contains the original instructions for the unit described.

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Printed in U.S.A.

## CLADDING COMPONENTS AND OVERALL ASSEMBLY DETAIL

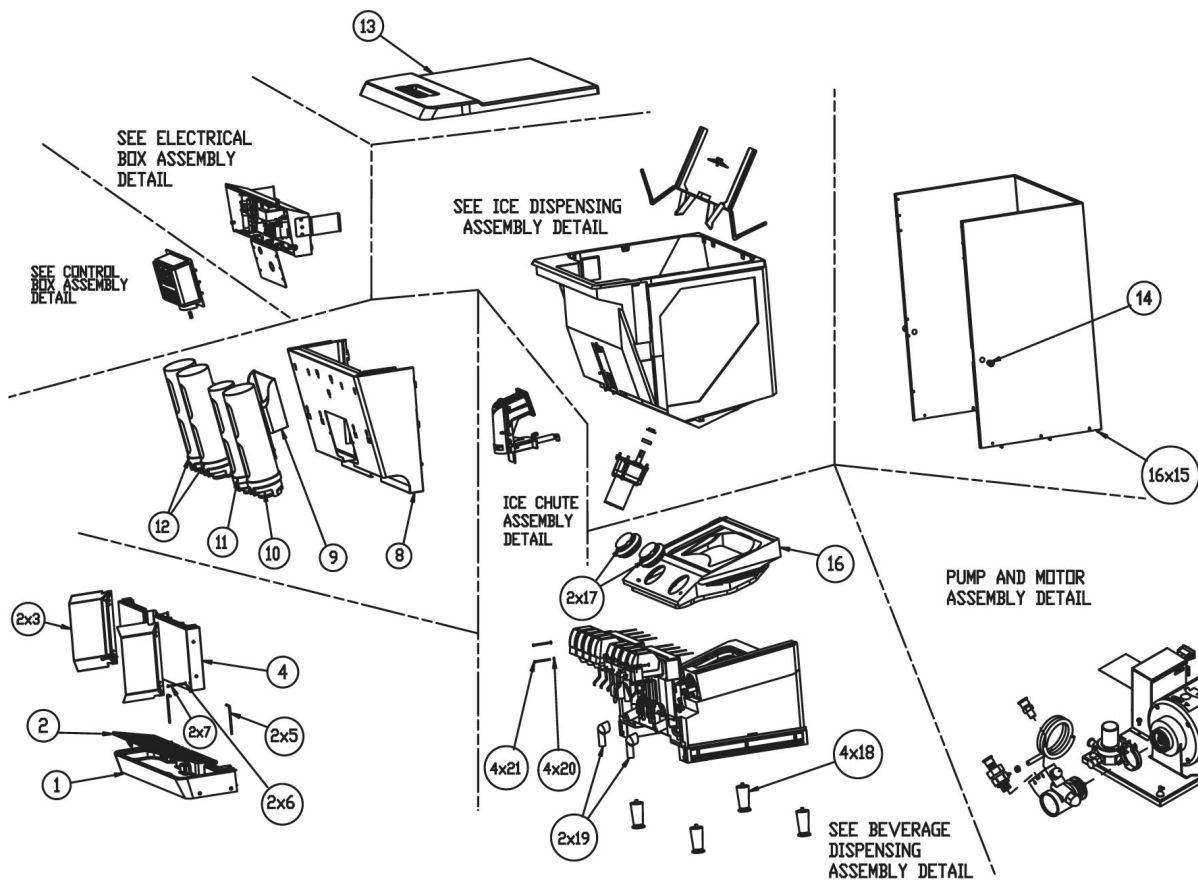


Figure 1.

| Item No. | Part No.  | Name                            |
|----------|-----------|---------------------------------|
| 1        | 620046285 | Drip Tray                       |
| 2        | 620913803 | Cup Rest                        |
| 3        | 52084     | Guard Splash R/L                |
| 4        | 620052335 | Panel Assembly                  |
|          | 620052923 | Panel Assembly (Non-Progate)    |
| 5        | 10145     | Drip Tray Mounting Pin          |
| 6        | 71010     | Captivating Washer              |
| 7        | 70555     | Screw Stainless                 |
| 8        | 620053003 | Cover Weldment                  |
|          | 620520578 | Cover, Weldment (NGF 255)       |
| 9        | 620046723 | Holder Straw IDC/Yum Crew Serve |
| 10       | 620517069 | Lid Holder Asy Xlrg             |
| 11       | 620517068 | Lid Holder Asy Sml & Med        |

| Item No. | Part No.  | Name                                                                |
|----------|-----------|---------------------------------------------------------------------|
| 12       | 620517067 | Lid Holder Asy Large                                                |
| 13       | 620517034 | Lid IDC255 Black                                                    |
| 14       | 32977     | Keyswitch Assem. (Keys Included) Replacement Keys Only (70739)      |
| 15       | 620705801 | Phillips Truss Head Screw, #8-18 X 1/2" Long, Stainless Steel       |
| 16       | 620050537 | Foamed Cold Plate Cover                                             |
| 17       | 620516645 | Cover Coldplate Access                                              |
| 18       | 70970     | 4" Adjustable Leg, 3/8" - 16, Black Plastic with Nickel Plated Foot |

## ELECTRICAL BOX ASSEMBLY DETAIL

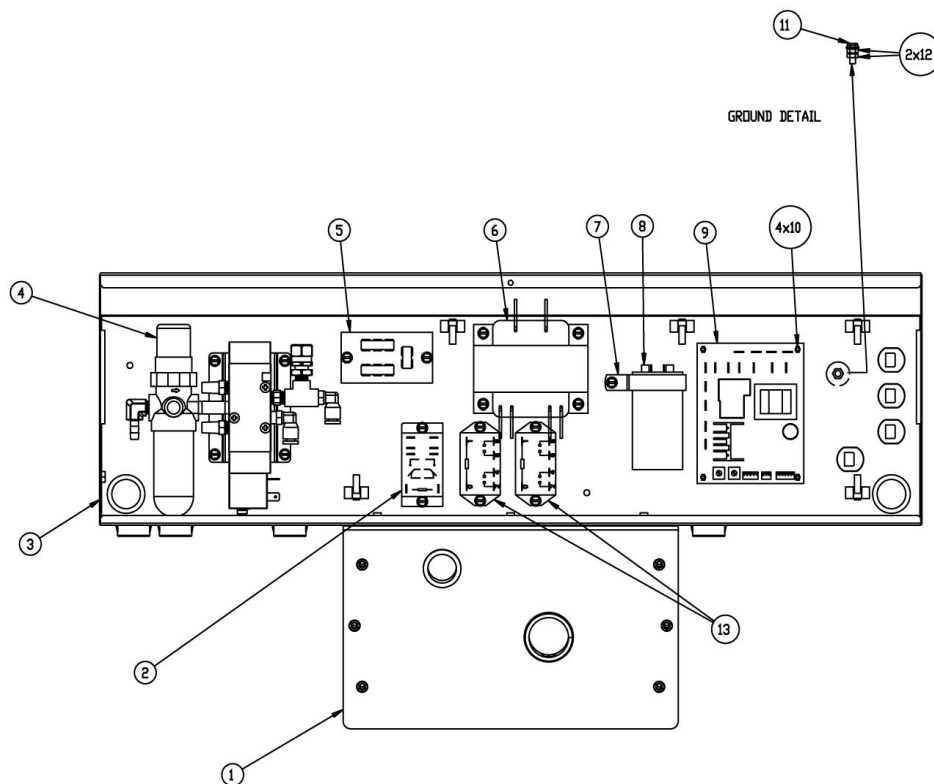
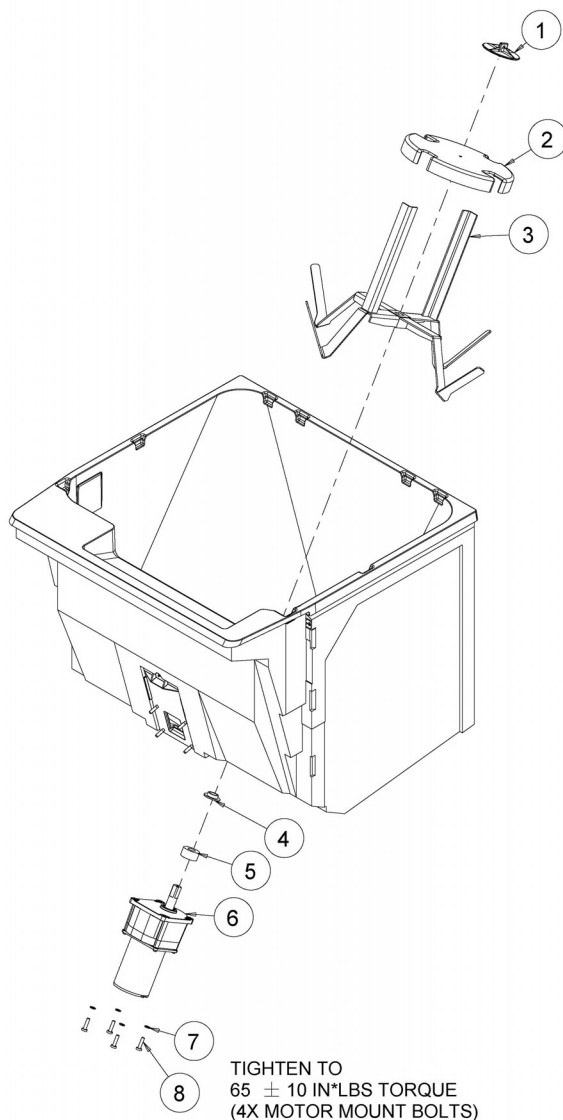


Figure 2.

| Item No. | Part No.  | Name                         |
|----------|-----------|------------------------------|
| 1        | 620052685 | Control Box Mounting Brkt    |
| 2        | 620314025 | NO/NC 25 Vac Relay           |
| 3        | 620314152 | Electric Box                 |
| 4        | 620313711 | Solenoid Asy IDC/Progate Air |
| 5        | 31107     | Terminal Board               |
| 6        | 720500795 | Transformer 120 V 60 Hz.     |
| 7        | 620717212 | Capacitor Mount              |

| Item No. | Part No.  | Name                             |
|----------|-----------|----------------------------------|
| 8        | 560002379 | Capacitor, 20 Mfd, 230 V, 50 Hz. |
| 9        | 620314825 | Main Electrical Board            |
| 10       | 325925000 | Electrical Board Support         |
| 11       | 70120     | Machine Screw, #10-32, Gnd       |
| 12       | 70015     | Hex Nut, #10-32, KEPS            |
| 13       | 60569001  | Relay                            |

## ICE DISPENSING ASSEMBLY DETAIL



**Figure 3.**

| Item No. | Part No.  | Name                           |
|----------|-----------|--------------------------------|
| 1        | 15087     | Agitator Retainer              |
| 2        | 620042770 | Agitator Disk                  |
| 3        | 620042766 | Agitator                       |
|          | 620042723 | Agitator (opt w/no disk reqd.) |
| 4        | 620711105 | Gear Box Shaft Seal            |
| 5        | 52876     | Gear Box Shaft Gasket          |

| Item No. | Part No.  | Name                                                    |
|----------|-----------|---------------------------------------------------------|
| 6        | 620314923 | Service Motor (Without Gear Box)                        |
|          | 620314913 | Motor and Gear Box Assembly                             |
| 7        | 168833000 | Lock Washer .262" ID X .489" OD X .062" Thick, SS       |
| 8        | 70260     | Self-Locking Socket Head Cap Screw, 1/4-20, 1" Long, SS |

## BEVERAGE DISPENSING ASSEMBLY DETAIL

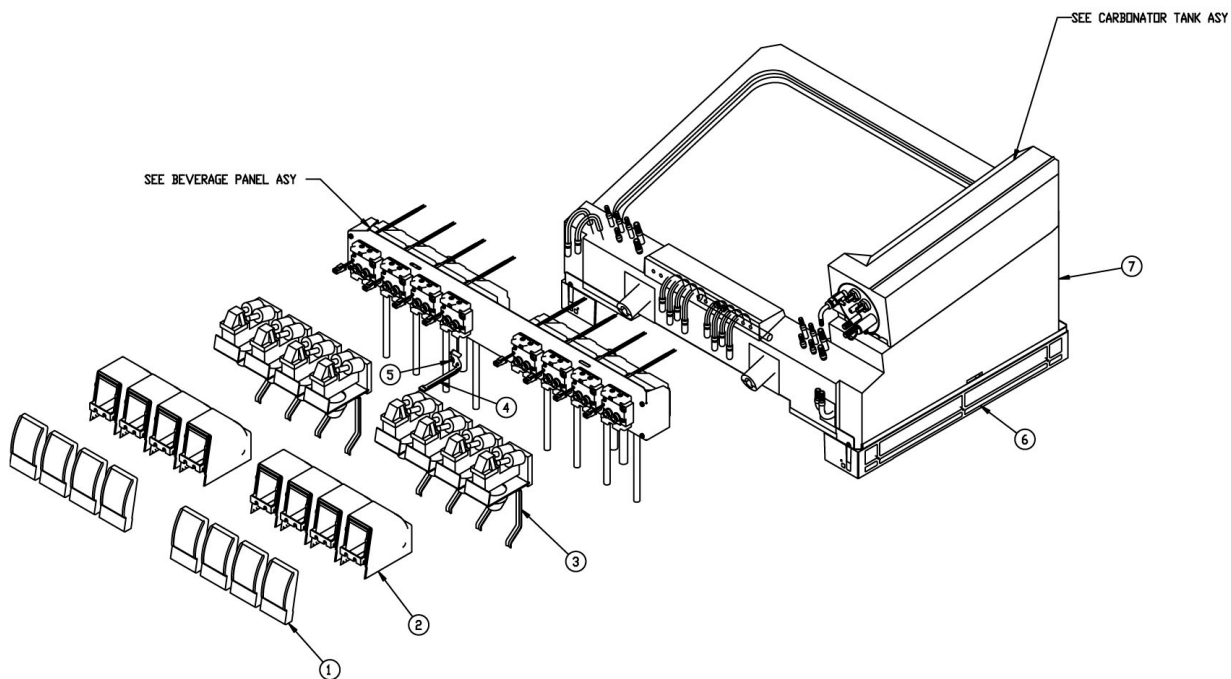


Figure 4.

| Item No. | Part No.  | Name                                                                      |
|----------|-----------|---------------------------------------------------------------------------|
| 1        | 1956      | Front Valve Cover<br>(For lever valves only)                              |
| 2        | 620520596 | Back Valve Cover                                                          |
| 3        | 561000155 | UFB Lever Valve Assembly                                                  |
|          | 620055292 | UFB-1 OptiFill, High Ratio Diet<br>Valve without Back Block and<br>Covers |
| 4        | 1935      | Water Only Lever Bar                                                      |

| Item No. | Part No.  | Name                                                                |
|----------|-----------|---------------------------------------------------------------------|
| 5        | 560001788 | Sheetmetal Screw, #6-32 X 3/16"<br>Long Pan Head Slotted, Stainless |
| 6        | 620045786 | Base Assy Ed 2XX Jordan                                             |
| 7        | 620407060 | FDAMED 19 X 28 8FL C-Plt Assy.                                      |

## BEVERAGE DISPENSING AND BEVERAGE PANEL ASSEMBLY DETAIL

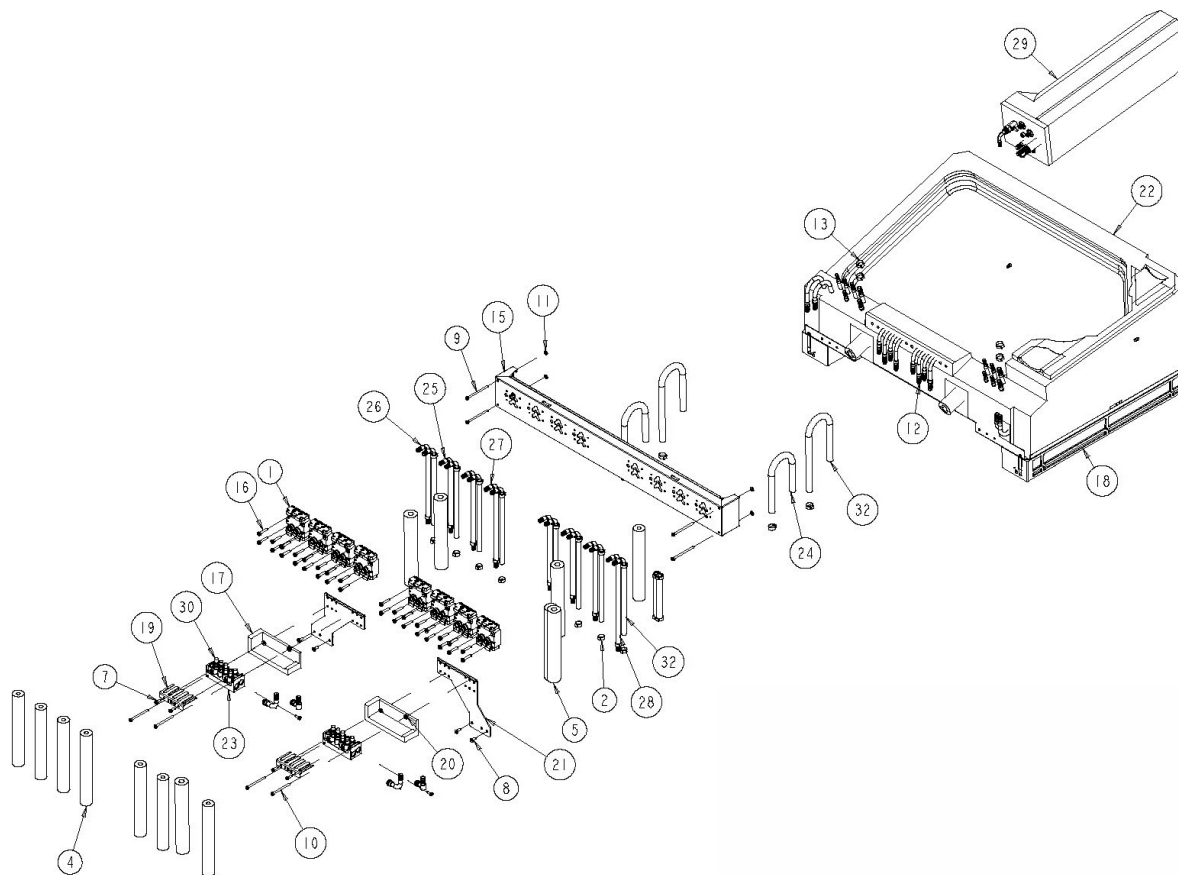


Figure 5.

| Item No. | Part No.  | Name                            |
|----------|-----------|---------------------------------|
| 1        | 1919      | Mounting Block Assembly         |
| 2        | 40502     | Clamp Oetr 13.3 STPLS #13       |
| 3        | 50126     | Insulation Prestite 1/8X2-1/2   |
| 4        | 50163     | Armaflex 3/8 ID X 3/8 Wall      |
| 5        | 50249     | Tubing Insul. 1/2 ID X 3/8 Wall |
| 6        | 50326     | Insulation Tape 1/8" X 2" X 30' |
| 7        | 70204     | Screw Sm 08 TA TRPH 16 SS       |
| 8        | 70307     | Rivet Pop 187D 188-250          |
| 9        | 70555     | Screw MA 08-32 TRPH 84 SS       |
| 10       | 71006     | Srew MA 08-32 TRPH 72 SS        |
| 11       | 71010     | Washer - Captivating #8         |
| 12       | 99250     | Cap                             |
| 13       | 309853000 | Clamp Oetr 618 Open STPLS #15.7 |
| 14       | 321471000 | Lube Dow 111 5.3 oz. Tube       |
| 15       | 620042856 | Panel Bev.8 Valve IDC 2XX       |
|          | 620042780 | Panel Bev.10 Valve IDC 2XX      |
|          | 620047464 | Panel Bev. 8 Valve NGF 2XX      |
|          | 620056091 | Panel Bev. 10 Valve NGF 2XX     |
| 16       | 620700602 | Screw TF SM 10-16 RDPH 32 SS    |

| Item No. | Part No.  | Name                              |
|----------|-----------|-----------------------------------|
| 17       | 620711962 | Insulation TFI Manifold           |
| 18       | 620045786 | Base Assy ED2XX Jordan            |
| 19       | 620046382 | Retainer TFI FITGS                |
| 20       | 620046798 | Bushing Hinge Nylon               |
| 21       | 620053839 | Bracket Manifold Mtg              |
| 22       | 620407060 | Foamed 19 X 28 8FL C-PLT Assy.    |
| 23       | 620407728 | Manifold Total Flex, 5 Pos        |
| 24       | 620407917 | Water Line Assy, U-Shape 3/8 I.D. |
| 25       | 620407919 | Water Line Assy, 1/4 I.D.         |
| 26       | 620407920 | Water Line Assy, 1/4 I.D.         |
| 27       | 620407921 | Water Line Assy, 1/4 I.D.         |
| 28       | 620407923 | Water Line Assy, 1/4 I.D.         |
| 29       | 620518322 | Tank Carb Assy Jordan             |
| 30       | 620519005 | Plug Manifold                     |
| 31       | 620607436 | Tubing Polyethylene .380 X .593   |
| 32       | 620611961 | Line Assembly Water               |
| 33       | 620719370 | Tube Prod. Syrup JRD              |

## CARBONATOR TANK ASSEMBLY DETAIL

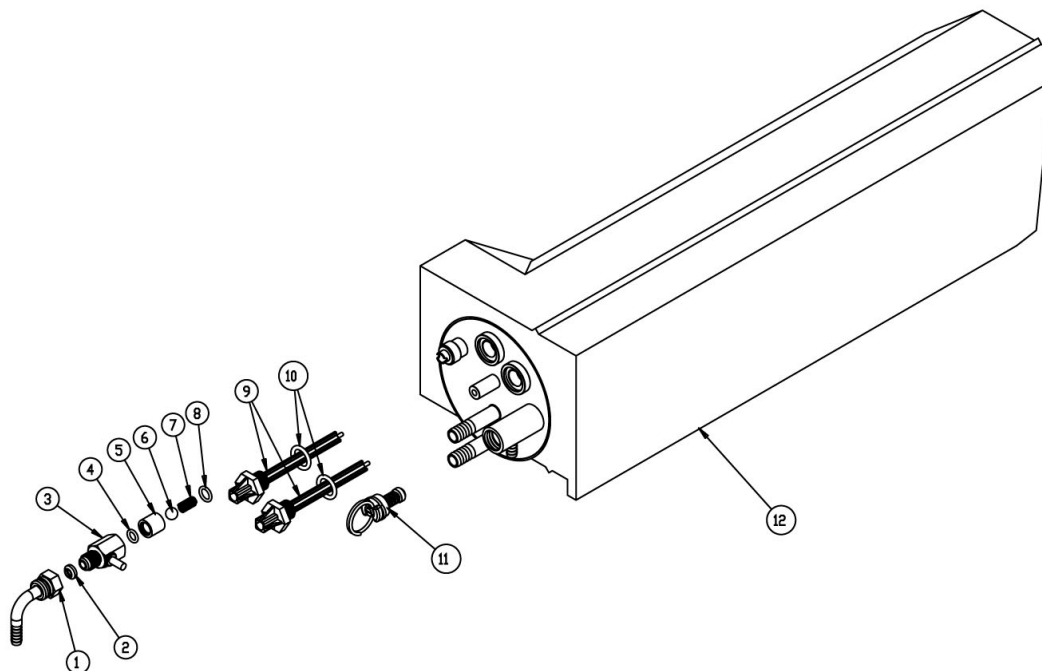


Figure 6.

| Item No. | Part No.  | Name                                                    |
|----------|-----------|---------------------------------------------------------|
| 1        | 77040100  | L-Swivel Fitting 7/16"-20 (1/4" FFL) FL X 1/4" Barb, SS |
| 2        | 178025100 | Male Gasket Flare Fitting                               |
| 3        | 64677001  | Check Valve Fitting                                     |
| 4        | 398033002 | O-Ring .239" ID .070" CS 70 DU BU-N                     |
| 5        | 64686     | Check Valve Sleeve SS                                   |
| 6        | 64560     | Check Valve Ball, .3125" SS                             |
| 7        | 64678     | Spring                                                  |

| Item No. | Part No.  | Name                                                                          |
|----------|-----------|-------------------------------------------------------------------------------|
| 8        | 31525012  | O-Ring .301" ID .070" CS 60 DU BU-N                                           |
| 9        | 620607108 | Liquid Level Control Probe: Must be purchased together with item 10 (O-ring). |
| 10       | 31525007  | O-Ring .488" ID 103 CS 60 DU BU-N                                             |
| 11       | 630001122 | Relief Valve                                                                  |
| 12       | 620518322 | Carb Tank Complete Assembly                                                   |

## PUMP AND MOTOR ASSEMBLY DETAIL

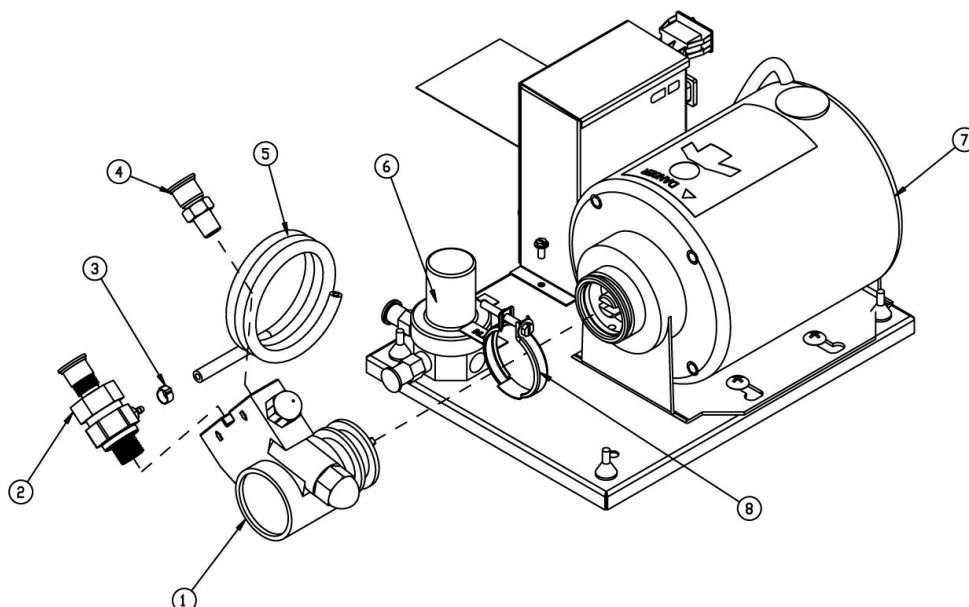


Figure 7.

| Item No. | Part No.  | Name                                     |
|----------|-----------|------------------------------------------|
| 1        | 60170     | Pump, 125GPH                             |
| 2        | 620608773 | Check Valve 3/8MPT 5/8-18                |
| 3        | 311527000 | Detiker Clamp #8.7                       |
| 4        | 111337000 | Straight Fitting 3/8 MPT X 3/8 MF, Brass |

| Item No. | Part No.  | Name                                    |
|----------|-----------|-----------------------------------------|
| 5        | 174004000 | Polyethylene Tubing .156" ID X .312" OD |
| 6        | 620709802 | Pressure Regulator, 75 PSIG             |
| 7        | 60030058  | Motor Pump                              |
| 8        | 187483000 | Clamp                                   |

## ICE CHUTE ASSEMBLY DETAIL

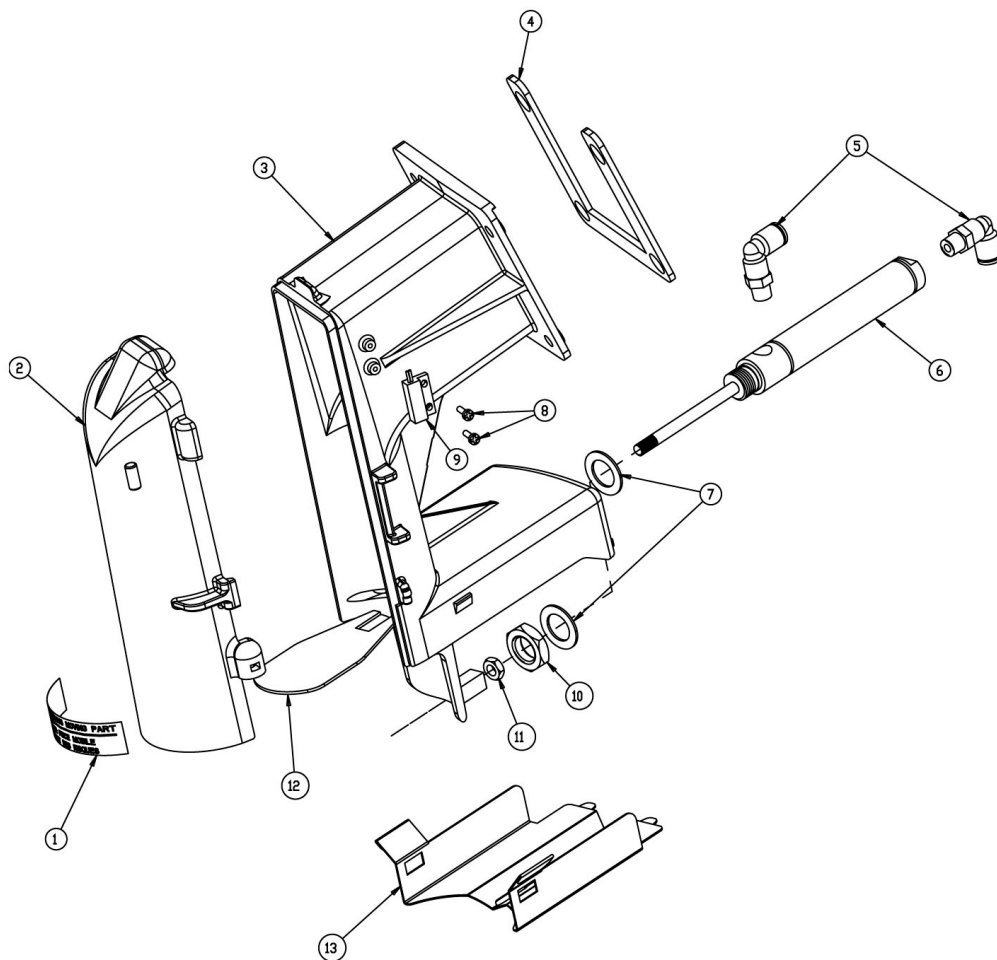


Figure 8.

| Item No. | Part No.  | Name                              |
|----------|-----------|-----------------------------------|
| 1        | 91776     | Label, Warning Hazardous Moving   |
| 2        | 620518520 | Ice Chute Cover                   |
| 3        | 620518521 | Ice Chute Jordan Progate          |
| 4        | 620710113 | Gasket Ice Chute IDC Low Duro     |
| 5        | 620720630 | Fitg, 1/4 Tube X 1/8 MPT          |
| 6        | 620200411 | Cylinder, Air Double Acting 2-1/2 |
| 7        | 620702505 | Bushing, Mach 5/8 X 1 X .048 SS   |

| Item No. | Part No.  | Name                              |
|----------|-----------|-----------------------------------|
| 8        | 620705901 | Screw Sm #04 PAPH 12 SS           |
| 9        | 620314527 | Sensor, Position Ice Chute Jordan |
| 10       | 620701208 | Nut, Hex, 5/8-18 SS Jam-SPC       |
| 11       | 620701202 | Nut, Hex Jam 1/4-28 SS 400 SER    |
| 12       | 620048712 | Gate Slide Assy Jordan Progate    |
| 13       | 620200418 | Cylinder Enclosure Progate        |

## ICE CHUTE ASSEMBLY DETAIL

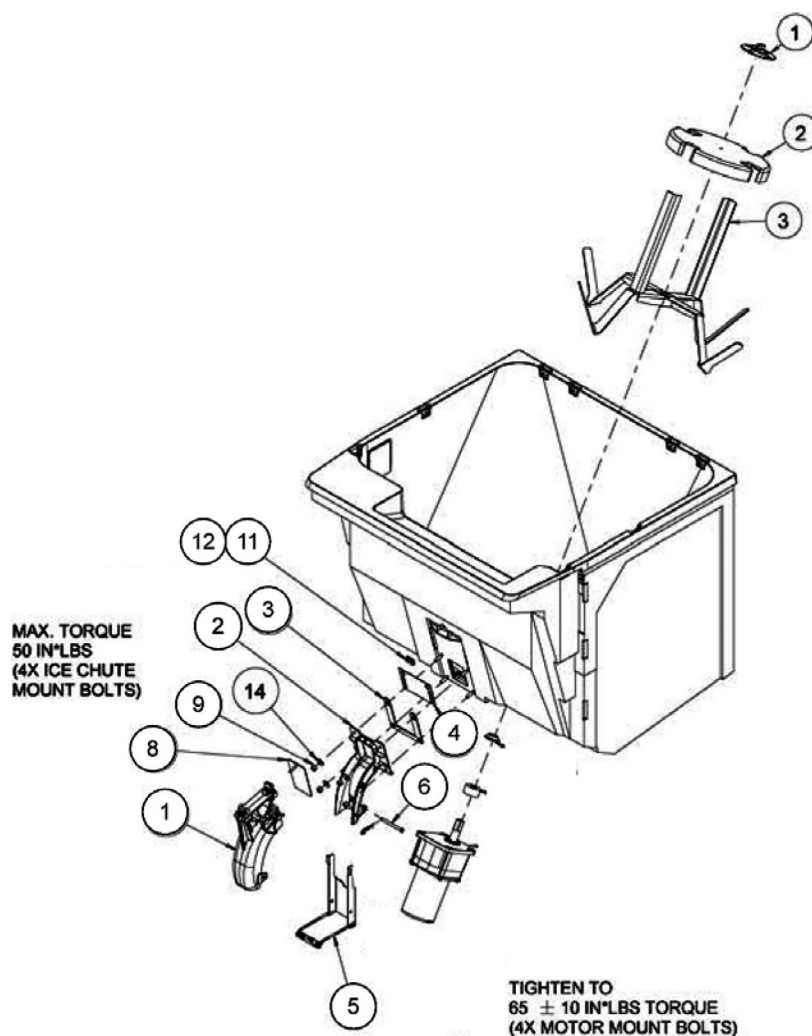


Figure 9.

| Item No. | Part No.  | Name                                   |
|----------|-----------|----------------------------------------|
| 1        | 620518523 | Upper Ice Chute Assembly               |
| 2        | 620518513 | Lower Ice Chute                        |
| 3        | 620710113 | Ice Gate Gasket                        |
| 4        | 620046504 | Ice Gate Restrictor Plate              |
| 5        | 620518517 | Ice Chute Push Bar                     |
|          | 620709311 | Ice Chute Lever (not shown)            |
| 6        | 620051502 | Clevis Pin, .250" Dia X 2.75" Long, SS |
| 7        | 620709432 | Hairpin Cotter, SS                     |
| 8        | 620048706 | Ice Gate                               |

| Item No. | Part No.  | Name                                                     |
|----------|-----------|----------------------------------------------------------|
| 9        | 620709132 | Hex Nut, 1/4-20 Nylock, SS                               |
| 10       | 620314527 | Ice Chute Position Sensor                                |
| 11       | V25248    | Flat Washer, #10 SS                                      |
| 12       | 0704105   | Machine Screw, #08-32 Truss Phillips Head, 1/2" Long, SS |
| 14       | 70066     | Flat Washer, .265" ID X .750" OD X .055" Thick, SS       |

## CONTROL BOX ASSEMBLY DETAIL

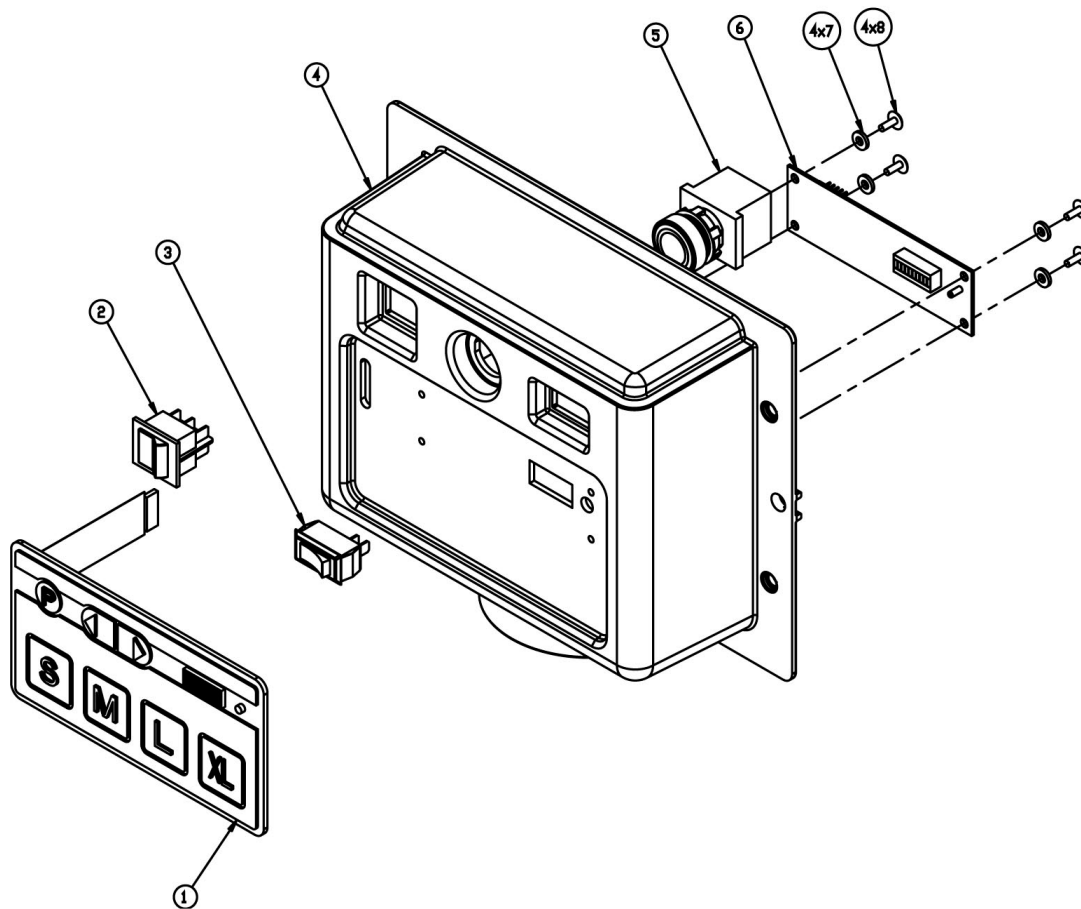


Figure 10.

| Item No. | Part No.  | Name                       |
|----------|-----------|----------------------------|
| 1        | 620045207 | Pad, Key IDC/Progate2      |
| 2        | 31934     | 2230 Switch                |
| 3        | A5810     | Switch, Rocker (SAN) HCL30 |
| 4        | 620043256 | Keypad Control Box         |

| Item No. | Part No.  | Name                          |
|----------|-----------|-------------------------------|
| 5        | 620313267 | Switch, PB Lighted            |
| 6        | 620314840 | Control Board                 |
| 7        | V25237    | Nylon Washer, Flat, #8        |
| 8        | 188117000 | Screw, SM 08 TA TRPH 12 S TZI |

## SPLASH PANEL ASSEMBLY DETAIL

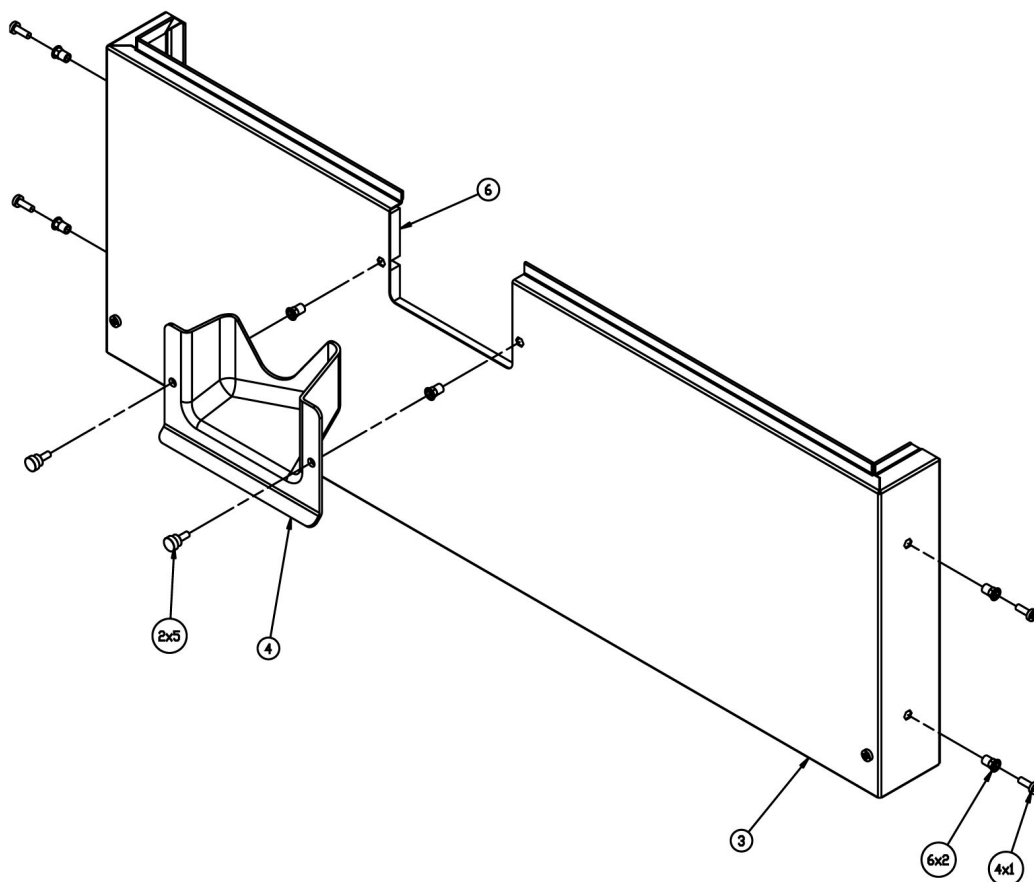


Figure 11.

| Item No. | Part No.  | Name                       |
|----------|-----------|----------------------------|
| 1        | 70178     | Screw, MA 08-32 TRPH 16 SS |
| 2        | 70959     | 8-32 Hex Nutsert           |
| 3        | 620052336 | Stainless Steel Panel      |

| Item No. | Part No.  | Name                    |
|----------|-----------|-------------------------|
| 4        | 620710809 | Shroud Cylinder         |
| 5        | 70188     | Screw, WG 08-32 KN 16   |
| 6        | 620711948 | Splash Panel Insulation |





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