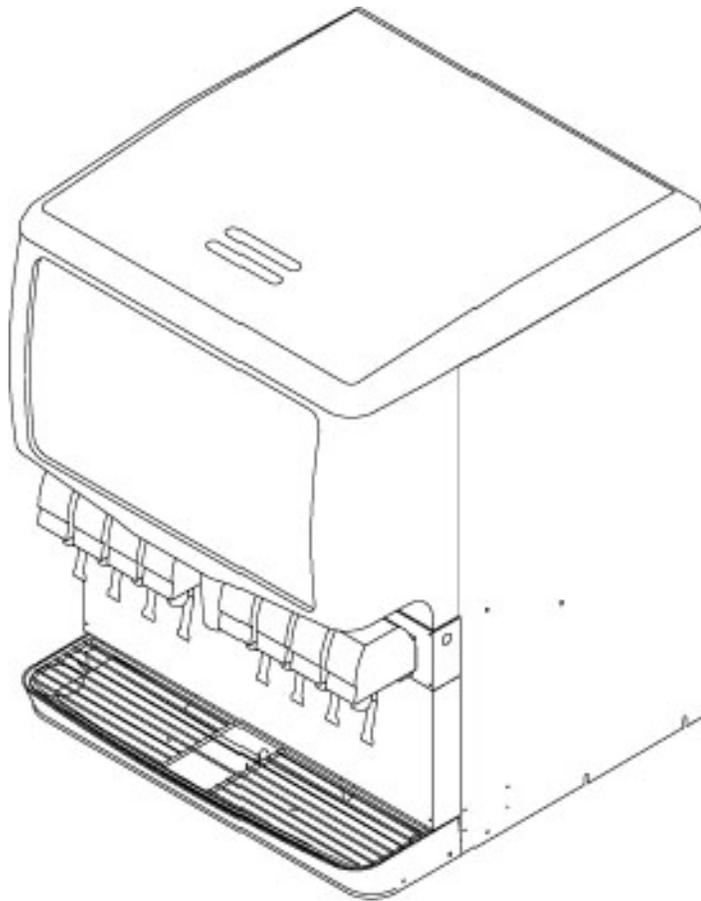


ILLUSTRATED PARTS LIST ENDURO-1XX INTELLICARB



Publication Number: 620919502IPL

Release Date: November 22, 2005

Revision Date: August 3, 2010

Revision: B

Visit the IMI 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.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.

Printed in U.S.A.

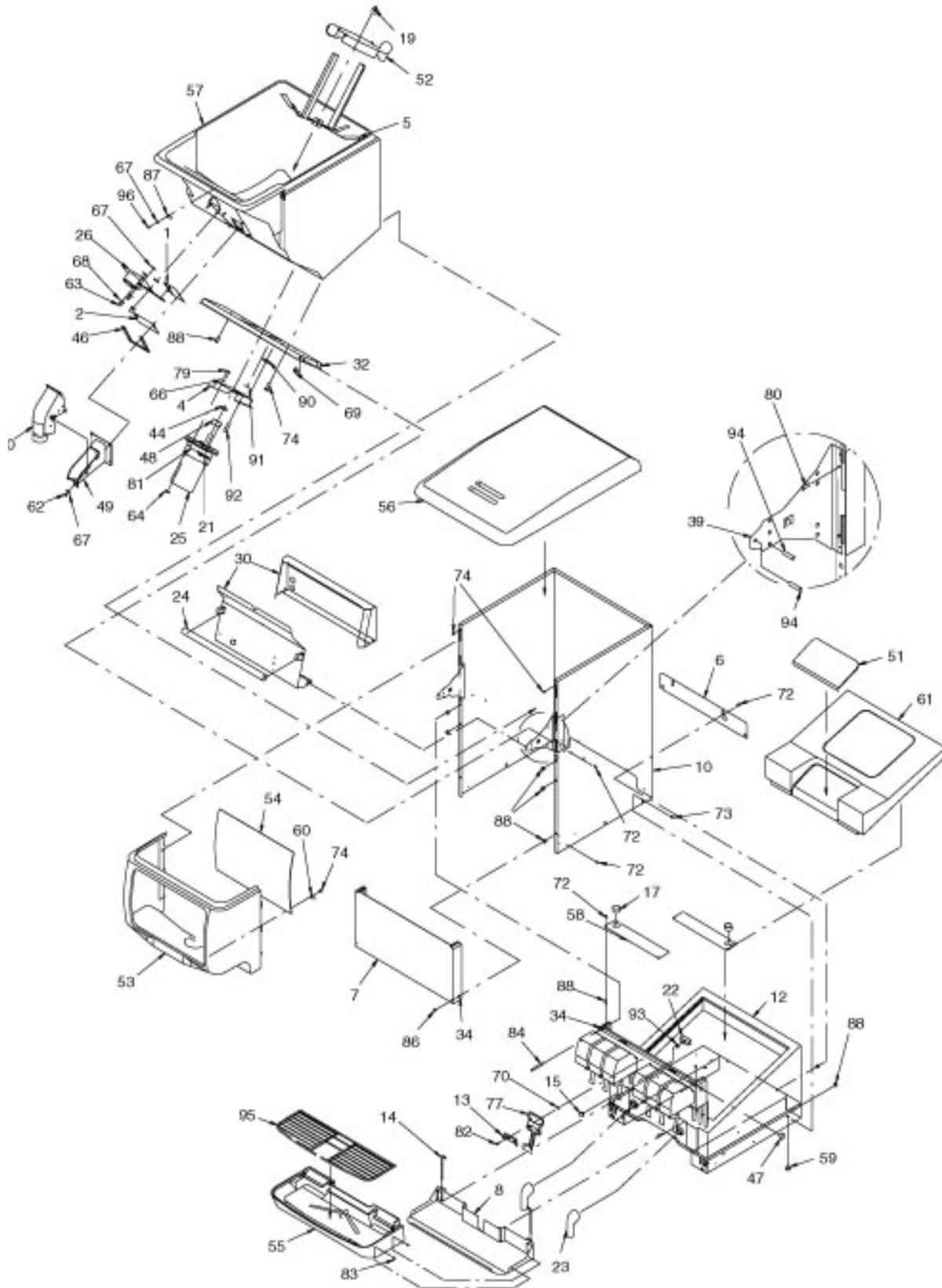


Figure 1. Cabinet Section Exploded View



CABINET SECTION PARTS LIST

| Index No. | Part No. | Name |
|-----------|---------------|--|
| 1 | 21491 | Gate Slide |
| 2 | 22081R | Gate Restrictor |
| 3 | Not Used | |
| 4 | **29303R | Plate, Motor Mounting |
| 5 | 15346 | Agitator Assy |
| 6 | 29483 | Cover, Rear Wrapper (ED 100 & ED 150) |
| | 620021201 | Cover, Rear Wrapper (ED 175) |
| 7 | 620050605 | Lower Panel (For Drip Tray-150) |
| | 620050606 | Lower Panel (For Drip Tray-175) |
| | 620050609 | Lower Panel (Z Model-150) |
| | 620050610 | Lower Panel (Z Model-175) |
| 8 | 15199 | Extension Assy, Drip Tray |
| 9 | Not Used | |
| 10 | 29313 | Wrapper (ED 150) |
| | 620033701 | Wrapper (ED 100) |
| | 620035401 | Wrapper (ED 175) |
| 11 | Not Used | |
| 12 | Contact Sales | Panel Cold Plate/Faucet Assy |
| 13 | 27107 | Retainer, Lever, Ice Dispenser |
| 14 | 10145 | Pin, Drip Tray Mounting |
| 15 | 31007 | Boot, Switch |
| 16 | Not Used | |
| 17 | 50767 | Snap Bushing |
| 18 | Not Used | |
| 19 | 15087 | Retainer, Agitator |
| 20 | Not Used | |
| 21 | 30794 | Agitator Motor Heater, 120 Volt |
| | 32826 | Agitator Motor Heater, 220-240 Volt |
| 22 | 30895 | Dispense Switch |
| 23 | 53011 | Elbow, Cold Plate, Drain |
| 24 | 31622 | Bulb-Daylight 18" |
| 25 | **620307901 | Agitator Motor, 120 Volt |
| | **620307902 | Agitator Motor, 220-240 Volt |
| 26 | 32954 | Solenoid Assembly, 120 Volt |
| | 33409 | Solenoid Assembly, 220-240 Volt |
| 27 | Not Used | |
| 28 | Not Used | |
| 29 | Not Used | |
| 30 | 620302001 | Electrical Box Ass'y, 120 Volts (ED 150, ED 175 B and BC Models) |
| | 620303301 | Electrical Box Ass'y, 120 Volts (ED 150 Ice Only) |
| | 620302301 | Electrical Box Ass'y, 220-240 Volts (ED 150, ED 175 B and BC Models) |

CABINET SECTION PARTS LIST (CONT'D)

| | | |
|----|-----------|--|
| | 620303302 | Electrical Box Ass'y, 220-240 Volts (ED 150 Ice Only) |
| | 620310701 | Electrical Box Ass'y, 120 Volts (ED 100 B and BC Models) |
| 31 | Not Used | |
| 32 | 620045913 | Bracket, Motor Mounting (ED 100 & ED 150) |
| | 620045912 | Bracket, Motor Mounting (ED 175) |
| 33 | Not Used | |
| 34 | 71010 | Washer, Captivating No. 8 |
| 35 | Not Used | |
| 36 | Not Used | |
| 37 | Not Used | |
| 38 | Not Used | |
| 39 | 620019701 | Hinge, Gusset |
| 40 | Not Used | |
| 41 | Not Used | |
| 42 | Not Used | |
| 43 | Not Used | |
| 44 | **51859 | Seal, Agitator Motor Shaft |
| 45 | Not Used | |
| 46 | 51891 | Gasket, Gate |
| 47 | **51908 | Plug (120 Volt Models Only) |
| 48 | **52876 | Gasket, Motor Shaft |
| 49 | 620500901 | Ice Chute |
| 50 | 53168 | Cover, Ice Chute |
| 51 | 620513603 | Access Cover |
| 52 | 53227 | Agitator Disk |
| 53 | 52878 | Merchandiser, Black (ED 150) |
| | 15756 | Merchandiser, S.S. (ED 150) |
| | 620011513 | Merchandiser, S.S. (ED 150 For Lid and Straw Holder) |
| | 620011503 | Merchandiser, S.S. (ED 150 For Medallion) |
| | 620011502 | Merchandiser, S.S. (ED 150 For Low Ice Light) |
| | 620511802 | Merchandiser, Black (ED 100) |
| | 620044201 | Merchandiser, Black (ED 175) |
| 54 | 52877 | Panel, Plexiglass, Inner (ED 150 & ED 175) |
| | 620511804 | Panel, Plexiglass, Inner (ED 100) |
| 55 | 53202 | Drip Tray, Black (ED 100 & ED 150) |
| | 620502701 | Drip Tray, Black (ED 175) |
| 56 | 52879 | Lid, Dispenser, Black (ED 100 & ED 150) |
| | 620513503 | Lid, Dispenser, (ED 175) |
| 57 | 52872 | Hopper Assy., Foamed (ED 150) |
| | 620511805 | Hopper Assy., Foamed (ED 100) |
| | 620513502 | Hopper Assy., Foamed (ED 175) |
| 58 | 15437 | Baffle |
| 59 | 52967 | Plug |
| 60 | 52972 | |
| 61 | 620513602 | Cover (Cold Plate Models Only) |
| 62 | 70016 | Hex Nut, No. 10-32 |

**CABINET SECTION PARTS LIST (CONT'D)**

| | | |
|-----|-----------|--|
| 63 | 70017 | Hex Nut, No. 10-32, Nyloc |
| 64 | **70018 | Hex Nut, 1/4-20 |
| 65 | Not Used | |
| 66 | **70048 | Washer, .255 I.D. |
| 67 | 70056 | Washer, No. 10, .219 I.D. |
| 68 | 70067 | Washer, .218 I.D. |
| 69 | 70076 | Hex Nut, No. 8-32 |
| 70 | 70104 | Insert, Threaded, No. 8-32 |
| 71 | Not Used | |
| 72 | 70171 | Machine Screw, Phil Truss Hd, No. 8-32 By 3/8-In. Long |
| 73 | 70178 | Machine Screw, Phil Truss Hd, No. 8-32 By 1/2-In. Long |
| 74 | 70204 | Sheet Metal Screw, Phil Truss Hd, No. 8 By 1/2-In. Long |
| 75 | Not Used | |
| 76 | Not Used | |
| 77 | 15500 | Lever, Dispense, Short (Cup Activated) |
| | 15501 | Lever, Dispense (Ice Dispense) |
| 78 | Not Used | |
| 79 | **70260 | Machine Screw, Phil Rd Hd, 1/4-20 By 1-In. Long |
| 80 | 70320 | Pop Rivet, 1/8 |
| 81 | 70341 | Spring, Motor Heater |
| 82 | 620701601 | Thread Forming Screw, Phil Pan Hd, No. 10-16 By 1/2-In. Long |
| 83 | 70478R | Clip, Push On |
| 84 | 70555 | Machine Screw, Phil Truss Hd, No. 8-32 By 2 5/8-In. Long |
| *85 | 70750 | Hose Clamp, Worm |
| 86 | 71006 | Machine Screw, Phil Truss Hd, No. 8-32 By 2 1/8-In. Long |
| 87 | 53299 | Clip, Black |
| 88 | 70959 | Hex Nutsert, No. 8-32 |
| *89 | 71011 | Leg |
| 90 | 70992 | Receptacle, 1/4 Turn |
| 91 | **70993 | Retainer, 1/4 Turn |
| 92 | **70994 | Stud Wing Head, 1/4 Turn |
| 93 | 70847 | Spacer, Switch |
| 94 | 70456 | Pop Rivet, 3/16 |
| 95 | 71036 | Cup Rest |
| 96 | 71089 | Shoulder Screw, No. 8-32 |
| *97 | 51288 | Adapter, 1" Barb x 3/4 MPT |
| *98 | 50952 | Adapter, 3/4 Soc x 3/4 FPT |
| *99 | 620702201 | Cold Plate Cleaning Brush |

NOTE: * Not Shown****Parts Included in Agitator Motor Kit*******For 220-240V Models, 51908 Plug Replaced****By 620303001 Push-Button Switch****620303002 Switch Block**

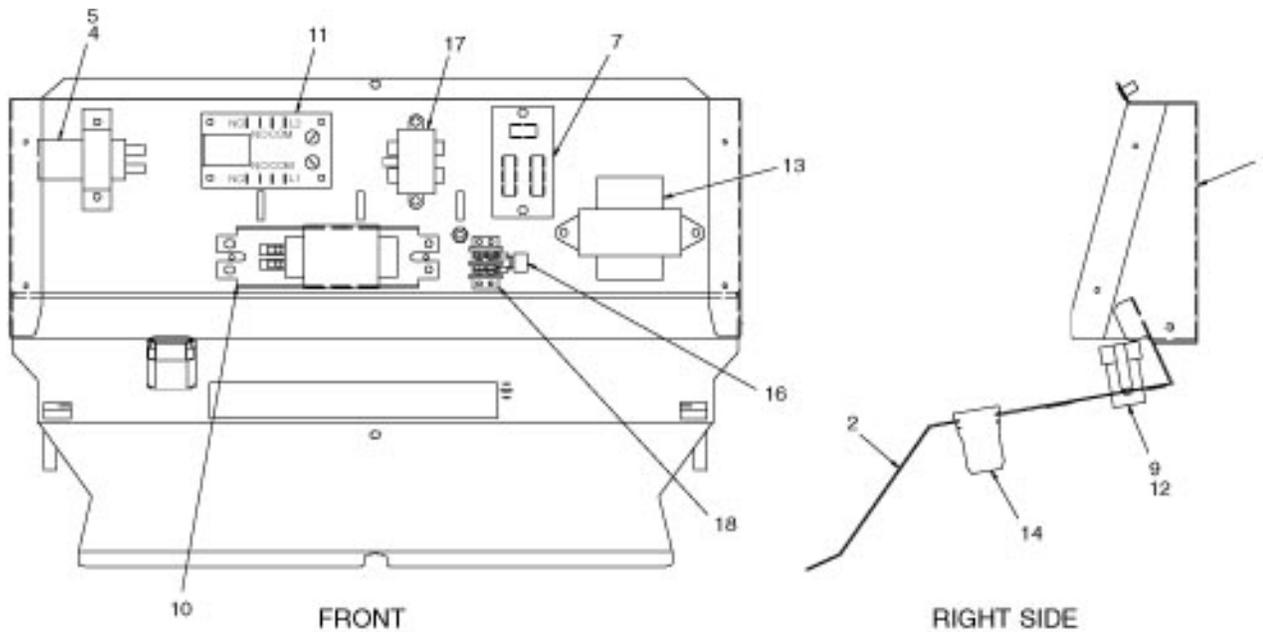


Figure 2. Electrical Box Assembly Exploded View

ELECTRICAL BOX ASSEMBLY

| Item No. | Part No. | Name |
|----------|-----------|------------------------------------|
| 1 | 620019001 | Electrical Box (ED 150 & ED 175) |
| | 620033704 | Electrical Box (ED 100) |
| 2 | 620019101 | Reflector, Panel (ED 150 & ED 175) |
| | 620033703 | Reflector, Panel (ED 100) |
| 3 | 30514 | Clamp, Capacitor, 120 Volts |
| | 620308102 | Clamp, Capacitor, 220-240 Volts |
| 4 | 30774 | Capacitor, 120 Volt |
| | 620308101 | Capacitor, 220-240 Volt |
| 5 | 31107 | Terminal Board |
| 6 | 31620 | Starter |
| 7 | 31621 | Ballast, 120 Volt |
| | 33662 | Ballast, 220-240 Volt |
| 8 | 620314803 | Timer, Repeat Cycle, 120 Volt |
| | 620314802 | Timer, Repeat Cycle, 220-240 Volt |
| 9 | 620302201 | Socket, Starter |
| 10 | 32682 | Transformer, 120 Volt |
| | 32829R | Transformer, 220-240 Volt |
| 11 | 620302101 | Lamp-holder |
| 12 | 620304601 | Varistor, 220-240 Volt |
| 13 | 620307301 | Filter, 220-240 Volt |
| 14 | 32244 | Terminal Strip, 220-240 Volt |

SOLENOID ASSEMBLY

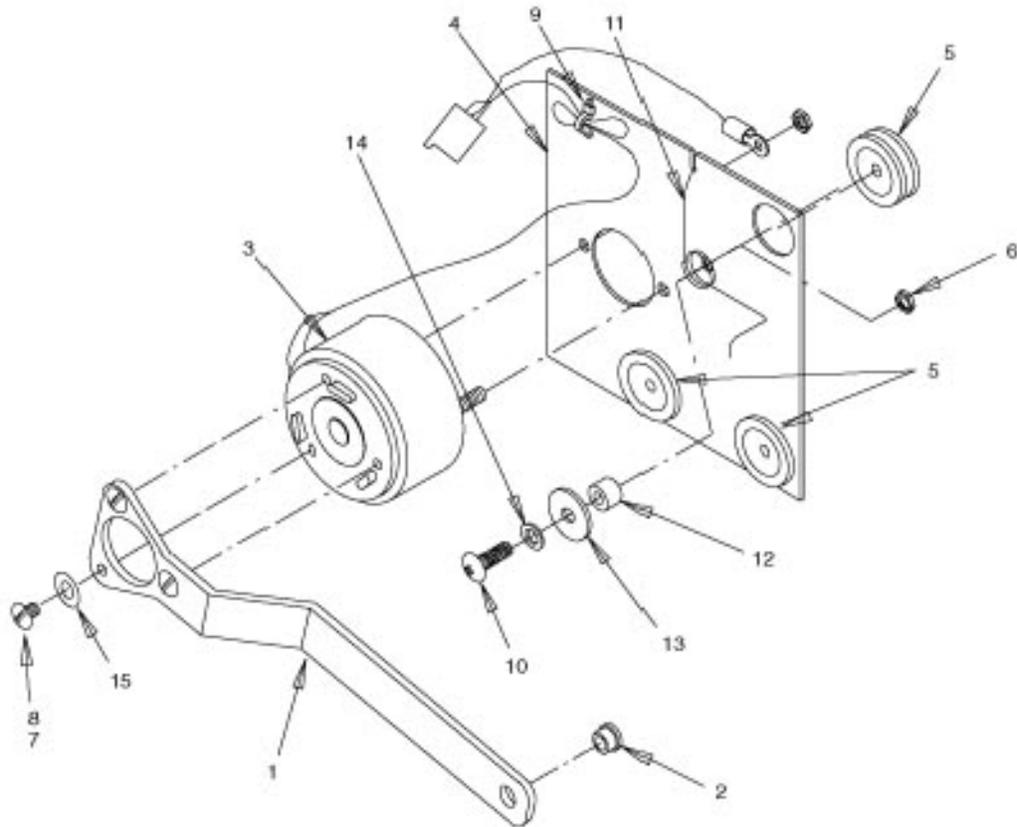


Figure 3. Solenoid Assembly

| Item No. | Part No. | Name |
|----------|----------|---------------------------------|
| 1 | 28173 | Arm, Gate Lift |
| 2 | 50754 | Bearing, Gate Arm |
| 3 | 32957 | Solenoid, 120 Volt |
| | 33397 | Solenoid, 220-240 Volt |
| 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 |
| 9 | 50705 | Tie Cable |
| 10 | 70165 | Screw, No. 8-32 By 5/8-In. Long |
| 11 | 71007 | Spring, Solenoid Arm |
| 12 | 51348 | Spacer |
| 13 | 70067 | Washer, .218 I.D. By .875 O.D. |
| 14 | 70057 | Lockwasher, No. 10 |
| 15 | 70052 | Flatwasher, No. 8 |

DRAIN

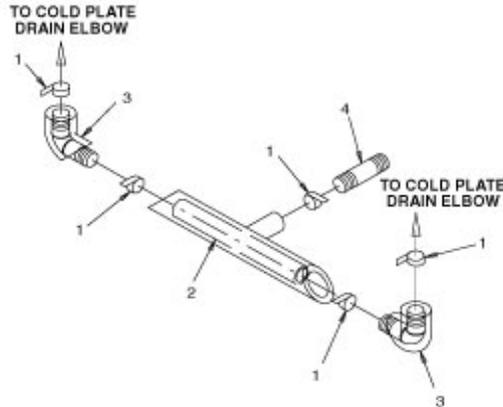


Figure 4. Cold Plate Drain For Z Style Units

| Item No. | Part No. | Name |
|----------|----------|------------|
| 1 | 70750 | Hose Clamp |
| 2 | 53170 | Drain Tube |
| 3 | 51280 | Elbow |
| 4 | 53293 | Coupler |

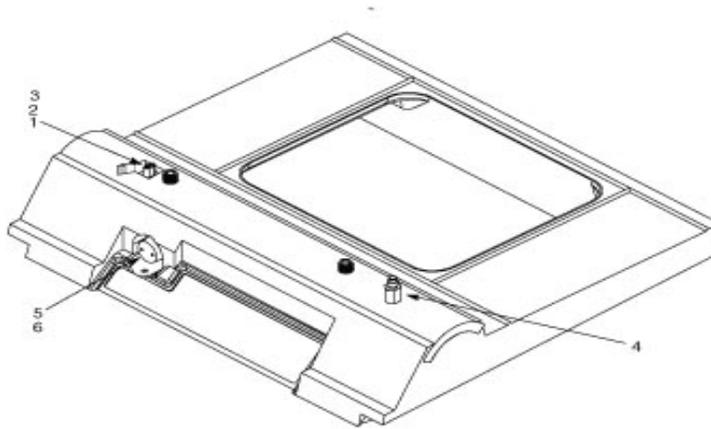
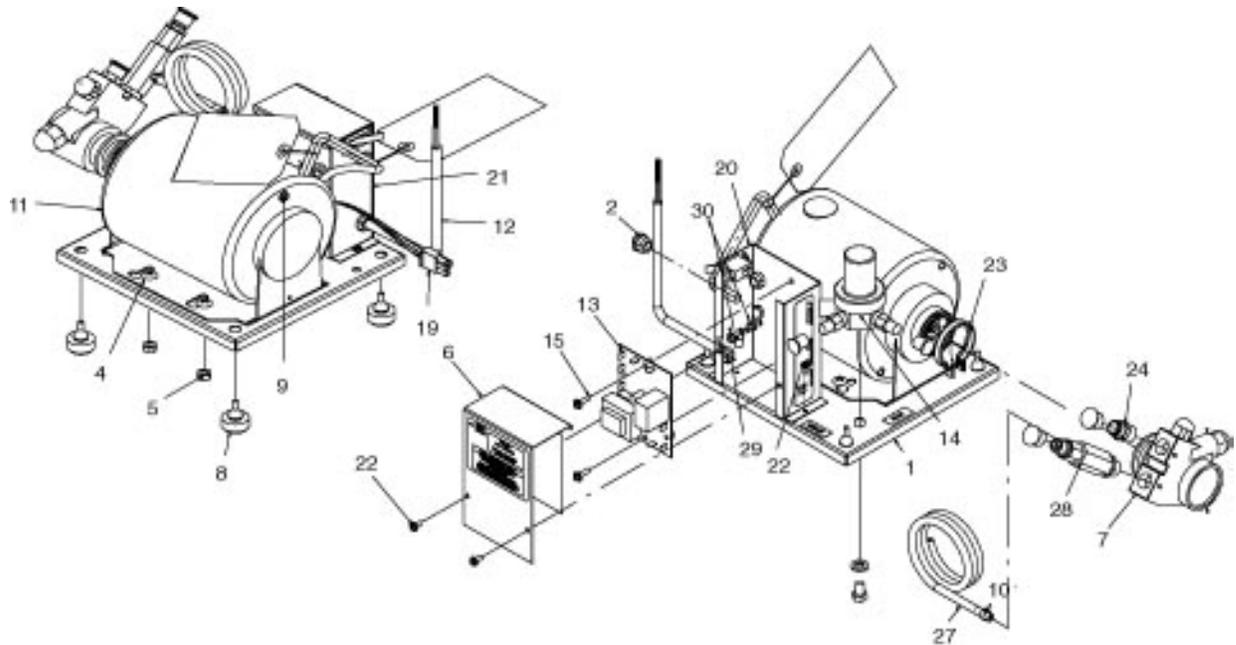


Figure 5. Carbonator Assembly

| Item No. | Part No. | Name |
|----------|-----------|--------------------------|
| 1 | 560004687 | Probe |
| 2 | 560005109 | Wire Harness (Not Shown) |
| 3 | 31525007 | O-Ring |
| 4 | 65259001 | Single Check Valve Ass'y |
| 5 | 312947000 | Stem Ass'y |
| 6 | 317974000 | Deflector |


Figure 6. Pump And Motor Assembly

| 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 | 314015000 | 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 |
| 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 |

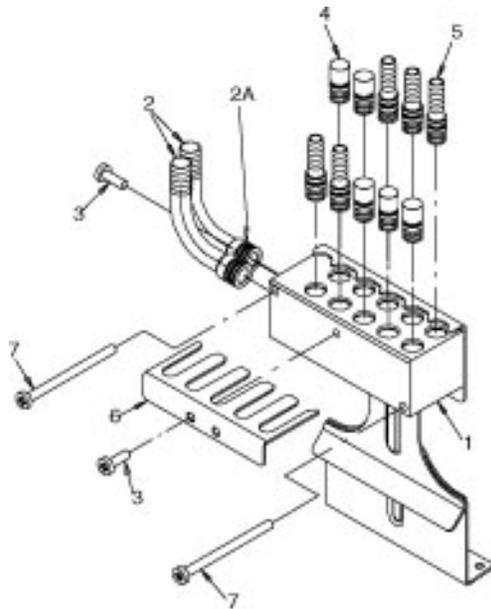


Figure 7. Water Manifold Assembly

| Item No. | Part No. | Name |
|----------|-----------|-----------------------------|
| 1 | 620407726 | Manifold Flex |
| 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 |

* Not Shown



IMI Cornelius Inc.
www.cornelius.com