



IMI CORNELIUS INC.  
One Cornelius Place  
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Telephone 1-800-238-3600  
Facsimile 1-800-258-0255

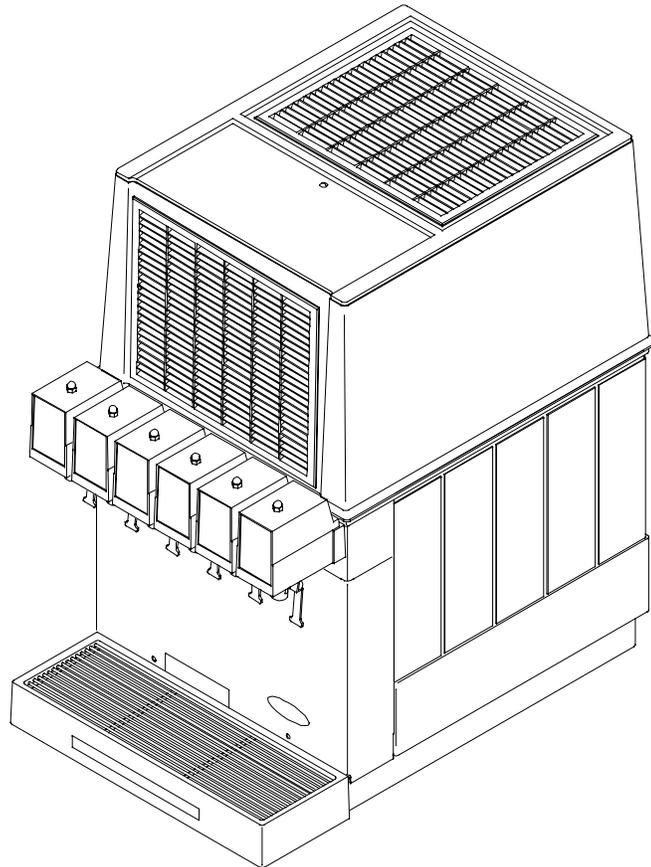
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## ILLUSTRATED PARTS LIST

# COLD CARB VENTURE POST-MIX DISPENSER

### MODEL NO.

417505xxxx  
417505xxxxx  
417506xxxx  
417506xxxxx  
497505xxxx  
497505xxxxx  
497506xxxx  
497506xxxxx





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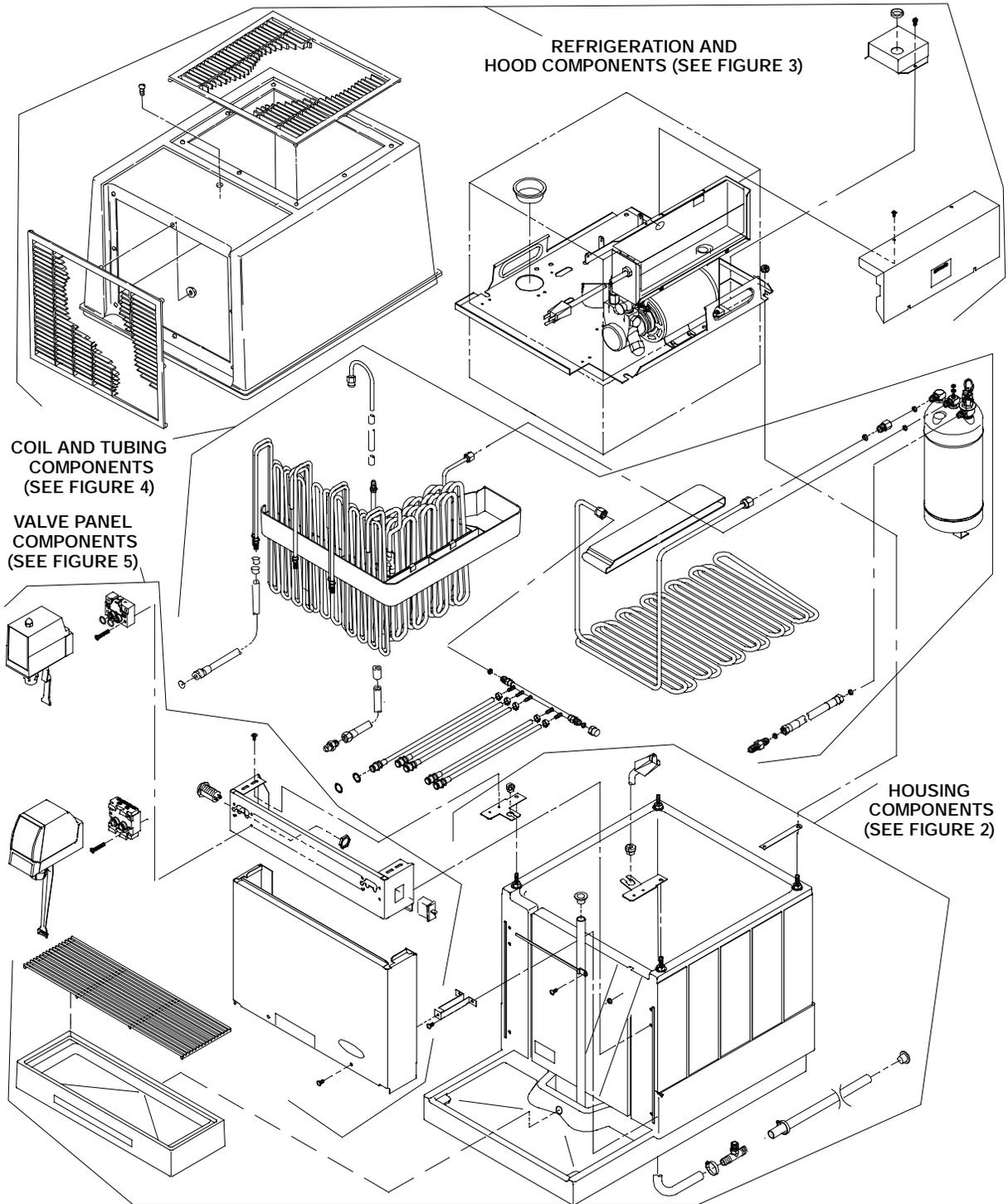


FIGURE 1. VENTURE DISPENSER ASSEMBLY



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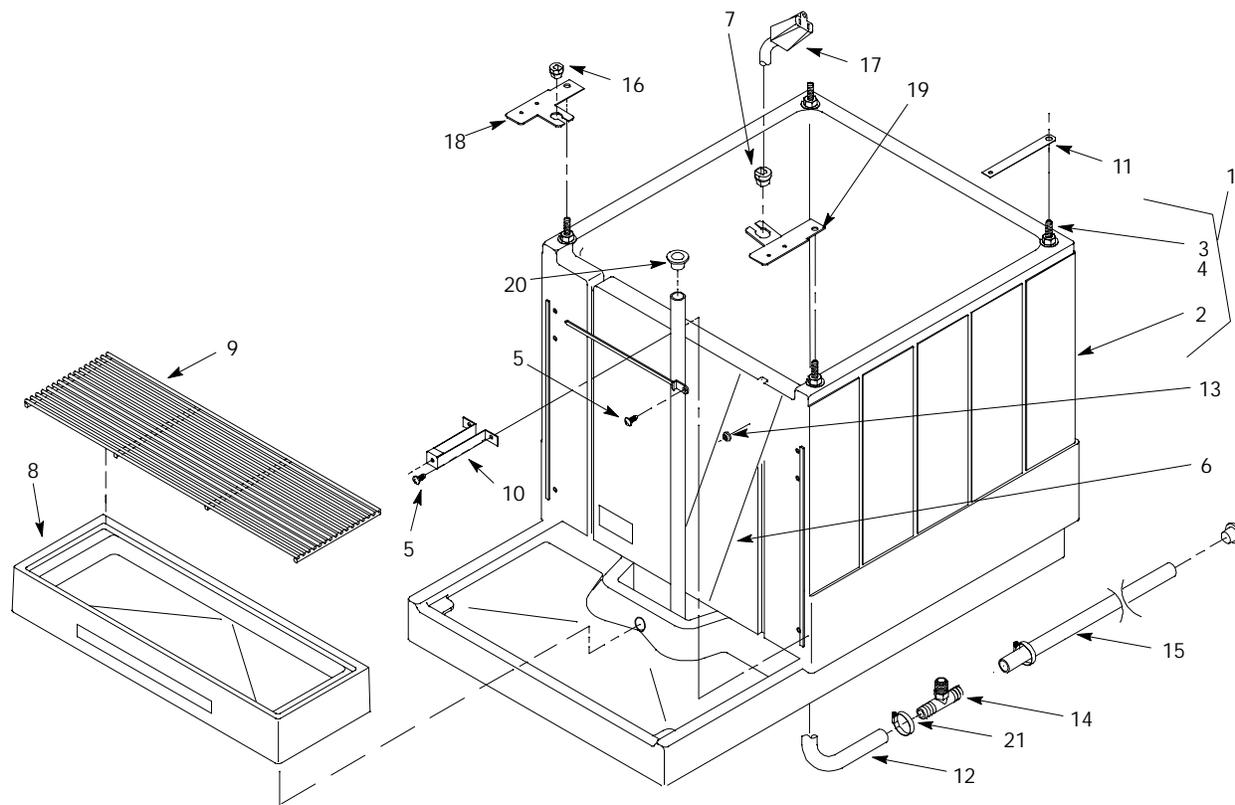


FIGURE 2. HOUSING COMPONENTS

| Item No. | Part No.  | Name                       |
|----------|-----------|----------------------------|
| 1        | 317791839 | Housing Low (Includes 2-4) |
| 2        | 0445      | Housing                    |
| 3        | 319004001 | Bolt MA 1/4-20 x 17"       |
| 4        | 311811000 | Nut Hex 1/4-20             |
| 5        | 188072000 | Screw SM 10 TRPH 16        |
| 6        | 317699001 | Barrier Elec 230V 50HZ     |
| 7        | 186564000 | Strain Relief              |
| 8        | 317659039 | Drip Tray Black            |
| 9        | 317660000 | Cup Rest                   |
| 10       | 3718      | Brkt Panel Front           |
| 11       | 4149      | Retainer Tank              |
| 12       | 3809      | Hose Drain .500 I.D. x 25" |

| Item No. | Part No.  | Name                                   |
|----------|-----------|--|
| 13       | 330181000 | Nut Hex No. 6-32 230V 50HZ             |
| 14       | 3698      | Fitg T 1/2-Barb x 1/4-MPT              |
| 15       | 113500000 | Tube Vnyl .500 I.D. (Sold by the Foot) |
| 16       | 322661000 | Strain Relief                          |
| 17       | 3533      | Cord Serv 120V 60HZ                    |
|          | 4344      | Cord Serv 230V 50HZ                    |
| 18       | 3547      | Brkt Panel Val Mnt LH                  |
| 19       | 3546      | Brkt Panel Val Mnt RH                  |
| 20       | 172308000 | Cap Plg                                |
| 21       | 140135000 | Clamp Hose                             |
| 22       | 3573      | Panel Accs Back (Not Shown)            |



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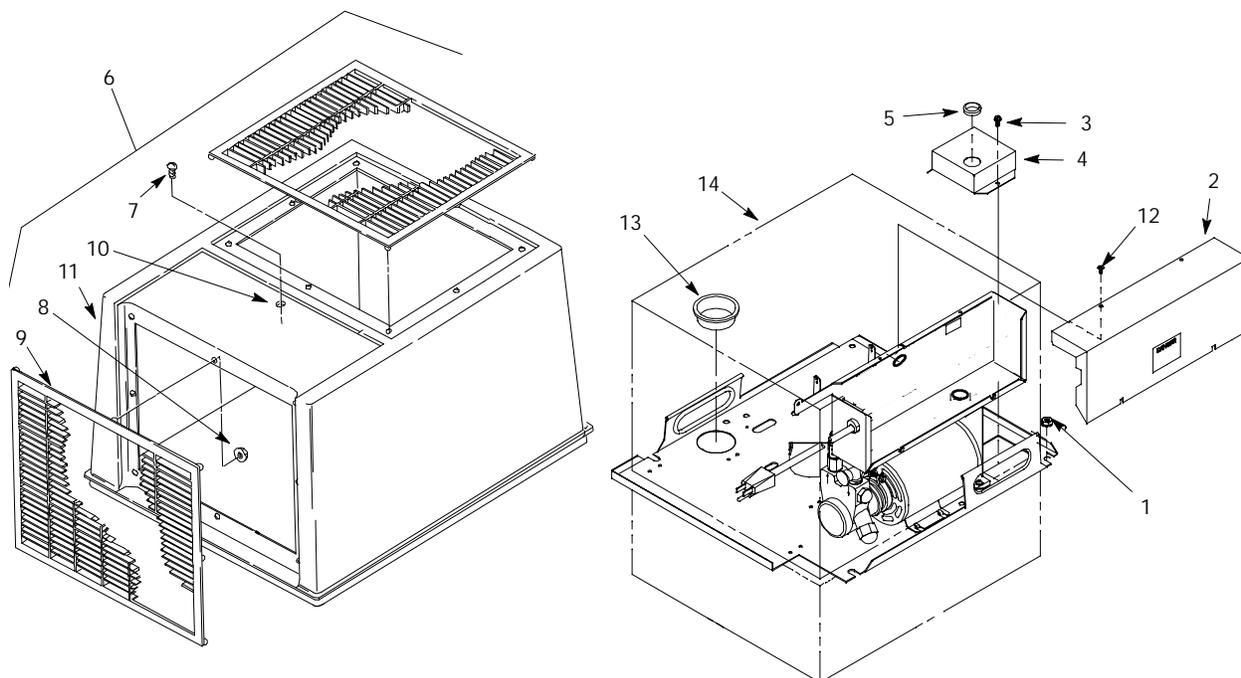


FIGURE 3. REFRIGERATION AND HOOD COMPONENTS

| Item No. | Part No.  | Name   |
|----------|-----------|--|
| 1        | 189429000 | Nut Hex 1/4-20                                 |
| 2        | 3622      | Cover Cntrl Box                                |
| 3        | 319941000 | Screw TR 8-32 HXWS 12                          |
| 4        | 1505      | Cover Access                                   |
| 5        | 331304000 | Bushing Snap                                   |
| 6        | 317655xxx | Hood Assy Specify Franchise<br>(Includes 7-11) |
| 7        | 317692000 | Screw MA 10-24 OVSL 20                         |

| Item No. | Part No.  | Name                       |
|----------|-----------|----------------------------|
| 8        | 317658000 | Nut Push .188 Stud         |
| 9        | 317656039 | Grille Black               |
|          | 317656033 | Grille White               |
| 10       | 321544000 | O-Ring .145 I.D.           |
| 11       | 317655039 | Hood Black                 |
|          | 317655033 | Hood White                 |
| 12       | 320271000 | Screw TC 6-32 PAPH 12      |
| 13       | 313093000 | Cap Plg                    |
| 14       |           | Chassis Rfg (See Figure 6) |



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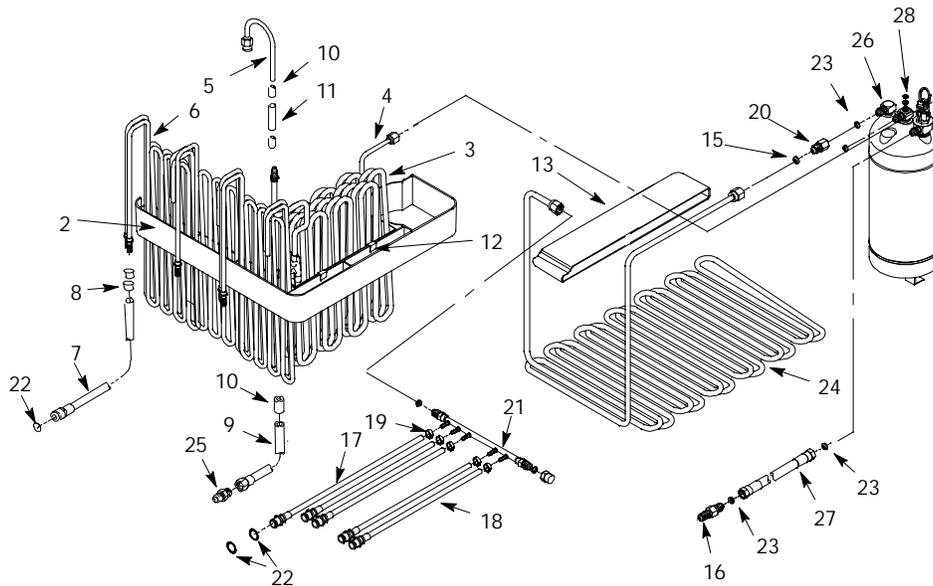


FIGURE 4. COIL AND TUBING COMPONENTS

| Item No. | Part No.  | Name  |
|----------|-----------|---|
| 1        |           | Coil and Tube Assy (Includes 2-12)                    |
| 2        | 4318      | Retainer Coil (5-Flavor)                              |
|          | 4251      | Retainer Coil (6-Flavor)                              |
| 3        | 318297000 | Coil Carb Wtr (6 Flavor)                              |
| 4        | 4191      | Coil Wtr Assy   |
| 5        | 77900700  | Fitg U Swv 7/16-20 x 1/4-Barb                         |
| 6        | 4425      | Coil Syr Assy RH                                      |
|          | 4426      | Coil Syr Assy LH                                      |
| 7        | 4410      | Tube Prod .250 I.D. x 3"<br>(See Figure 13)           |
| 8        | 176001000 | Ferrule .425 I.D.                                     |
| 9        | 317651000 | Tube Prod .265 I.D. x 64" 6-Flavor<br>(See Figure 15) |
| 10       | 176000000 | Ferrule .500 I. D.                                    |
| 11       | 174478000 | Tube Flexcor .265 I.D. (Sold by the Foot)             |
| 12       | 4320      | Retainer Coil   |
| 13       | 4306      | Cap End Coil  |
| 14       | 4264      | Tube Prod .156 I.D. x 7" 6-Flavor<br>(See Figure 14)  |

| Item No. | Part No.  | Name   |
|----------|-----------|--|
| 15       | 178025200 | Gasket 5/16 Male Flare                       |
| 16       | 183310000 | Valve Chk Blkhd                              |
| 17       | 4295      | Tube Prod .156 I.D. x 9"<br>(See Figure 14)  |
| 18       | 318448000 | Tube Prod .156 I.D. x 8"<br>(See Figure 14)  |
| 19       | 311527000 | Clamp  |
| 20       | 77071401  | Fitg Stght 7/16-20 x 1/2-16                  |
| 21       | 1614      | Manifold Wtr 4 port                          |
|          | 4313      | Manifold Wtr 5 port                          |
| 22       | 317015000 | O-Ring .239 I.D.                             |
|          | 4073      | O-Ring .239 I.D.                             |
| 23       | 178025100 | Gasket 1/4 Male Flare                        |
| 24       | 4190      | Coil Carb Wtr                                |
| 25       | 176193000 | Fitg Stght 7/16-20                           |
| 26       | 316804003 | Tank Carb                                    |
| 27       | 318049000 | Tube Conn .265 I.D. x 72"<br>(See Figure 15) |
| 28       | 322967000 | Washer Sr .142I.D.                           |



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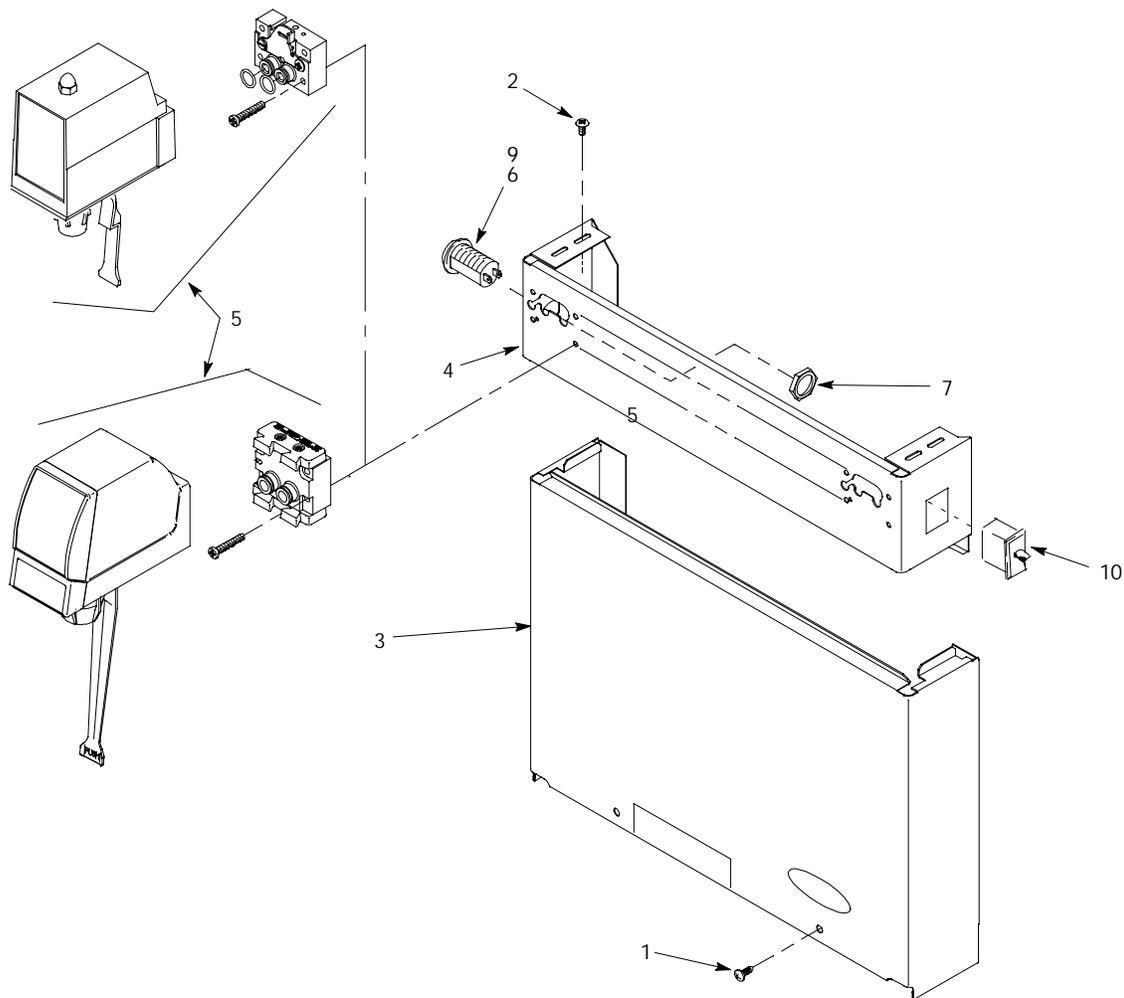


FIGURE 5. PANEL COMPONENTS

| Item No. | Part No.  | Name   |
|----------|-----------|--|
| 1        | 188072000 | Screw SM 10 TRPH 16  |
| 2        | 342663000 | Screw TC 8-32 PAPH 12  |
| 3        | 3577      | Panel Accs   |
| 4        | 3493      | Panel Val 5-Flavor   |
|          | 3494      | Panel Val 6-Flavor   |
| 5        |           | SF-1 Dispensing Valve Ass'y (See Manual No. 319006008)<br>UF-1 Dispensing Valve Ass'y (See Manual No. 315222003) |

| Item No. | Part No.  | Name   |
|----------|-----------|--|
| 6        | 318948000 | Keys Lock Switch                               |
| 7        | 318949000 | Nut Hex 3/4-24                                 |
| 8        |           | Wire Harness (Specify Valve and No. of Valves) |
| 9        | 318569000 | Swt Lock On/Off                                |
| 10       | 319645000 | Swt Rocker On/Off 120V 60HZ                    |
|          | 560001396 | Plug Swt 220V 50HZ                             |



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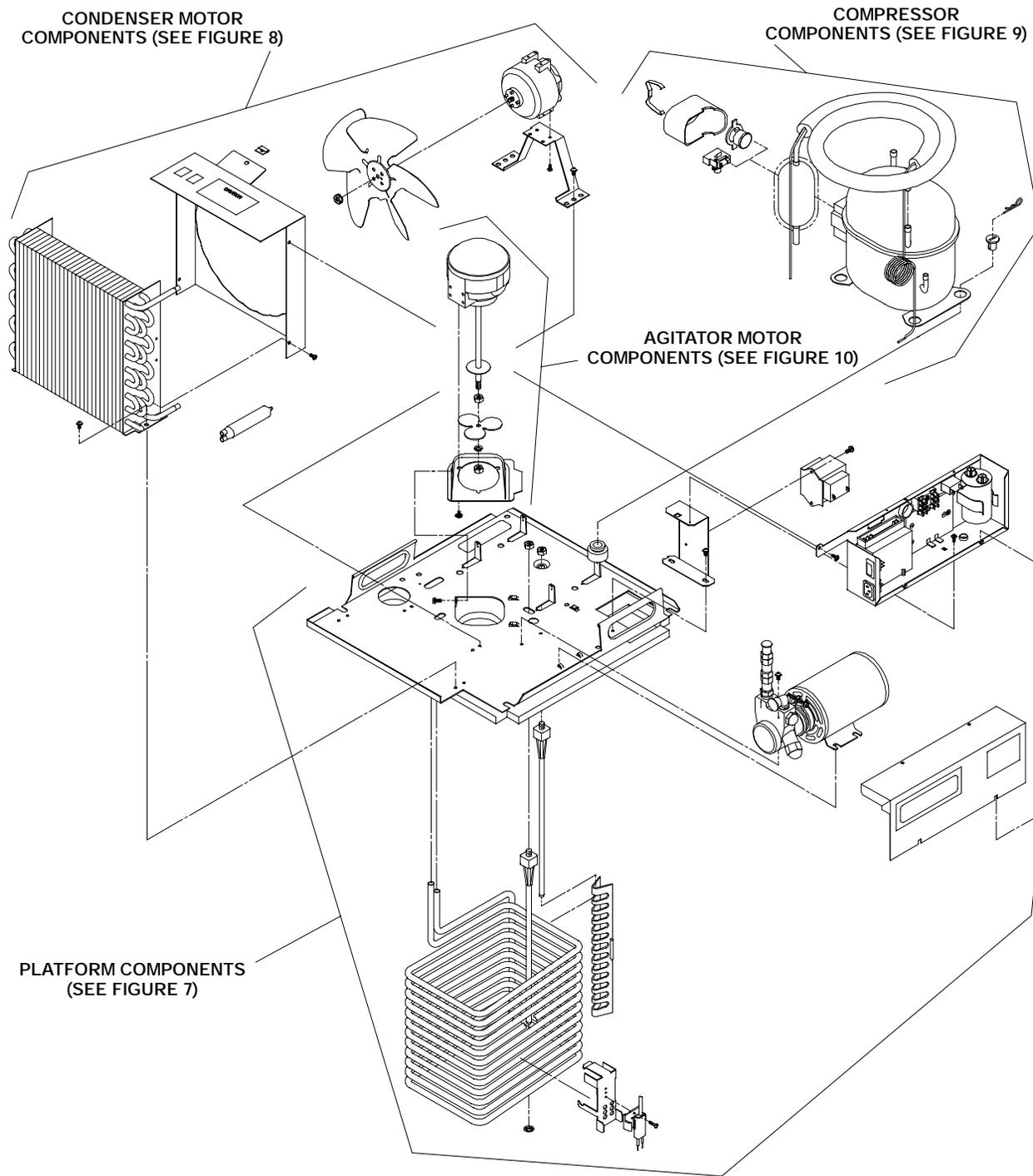


FIGURE 6. REFRIGERATION ASSEMBLY



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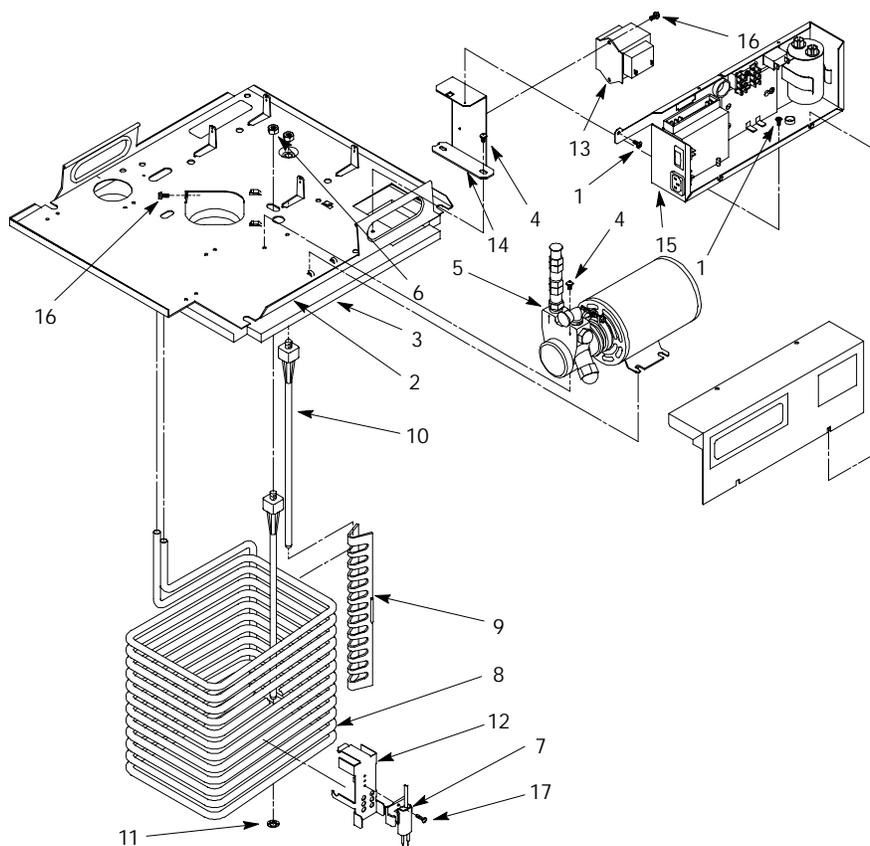


FIGURE 7. PLATFORM COMPONENTS

| Item No. | Part No.  | Name   |
|----------|-----------|--|
| 1        | 320271000 | Screw TC 6-32 PAPH 12                          |
| 2        | 3959      | Platform Rfg                                   |
| 3        | 3960      | Insulation Base                                |
| 4        | 319828000 | Screw TR 10-24 PAPH 12                         |
| 5        | 2869      | Pump and Mot Assy 120V 60HZ<br>(See Figure 11) |
|          | 3306      | Pump and Mot Assy 220V 50HZ<br>(See Figure 11) |
| 6        | 186146000 | Nut Hex 5/16-18                                |
| 7        | 142500050 | Sensor Temp Ice Bank                           |
| 8        | 3961      | Evap Coil                                      |
| 9        | 317661000 | Spacer Coil                                    |

| Item No. | Part No.  | Name                                       |
|----------|-----------|--|
| 10       | 318301000 | Rod Support                                |
| 11       | 317665000 | Nut Push .312 Stud                         |
| 12       | 4246      | Holder C-Bulb                              |
| 13       | 449999999 | Transfmr 120V 60HZ                         |
|          | 560002114 | Transfmr 230V 50HZ                         |
| 14       | 3621      | Brkt Box Cntl                              |
| 15       | 4139      | Box Cntl Assy 120V 60HZ<br>(See Figure 12) |
|          | 560000892 | Box Cntl Assy 230V 50HZ<br>(See Figure 12) |
| 16       | 319941000 | Screw TR 8-32 HXWS 12                      |
| 17       | 151460000 | Screw TR 6-32 PAPH 16                      |



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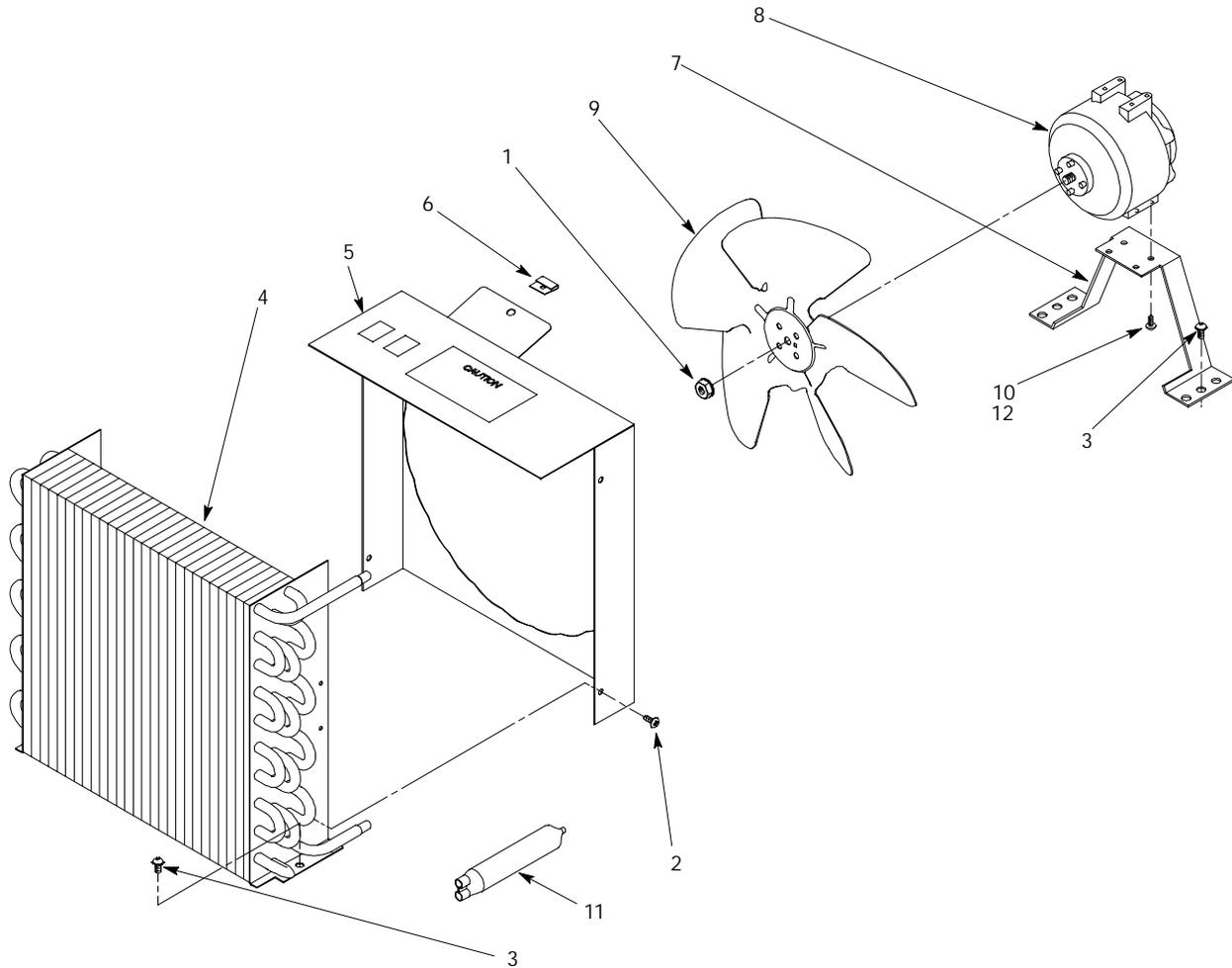


FIGURE 8. CONDENSER MOTOR COMPONENTS

| Item No. | Part No.  | Name                   |
|----------|-----------|------------------------|
| 1        | 189429000 | Nut Hex 1/4-20         |
| 2        | 320271000 | Screw TC 6-32 PAPH 12  |
| 3        | 319828000 | Screw TR 10-24 PAPH 12 |
| 4        | 4070      | Cond Coil              |
| 5        | 317693000 | Shroud Cond            |
| 6        | 186129000 | Nut J-Nut No. 10-24    |
| 7        | 187395000 | Brkt Mtr Fan           |

| Item No. | Part No.  | Name                       |
|----------|-----------|----------------------------|
| 8        | 332417088 | Motor Fan Kit 9W 120V 60Hz |
|          | 199508011 | Motor Fan 9W 230V 50/60Hz  |
| 9        | 4124      | Fan 5-Blade                |
| 10       | 186154000 | Screw SE 8-36 PAPH 12      |
| 11       | 2601      | Dryer                      |
| 12       | 319941000 | Screw TR 8-32 HXWS 12      |



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| Item No. | Part No.  | Name                       |
|----------|-----------|----------------------------|
| 1        | 3876      | Kit Comp 1/3 HP 120V 60Hz  |
|          | 3706      | Kit Comp 1/3 HP 230V 50Hz  |
| 2        | 189723000 | Grommet Compr              |
| 3        | 317781000 | Bushing Split              |
| 4        | 398034400 | Pin Hitch                  |
| 5        | 331565000 | Overld Comp 120V 60HZ      |
|          | 3142      | Overld Comp 230V 50/60HZ   |
| 6        | 331564000 | Relay Start Comp 120V 50HZ |
|          | 3143      | Relay Start Comp 230V 50HZ |
| 7        | 187637000 | Spring Overload            |
| 8        | 187638000 | Cover Term                 |
| 9        | 187636000 | Strap Bale                 |

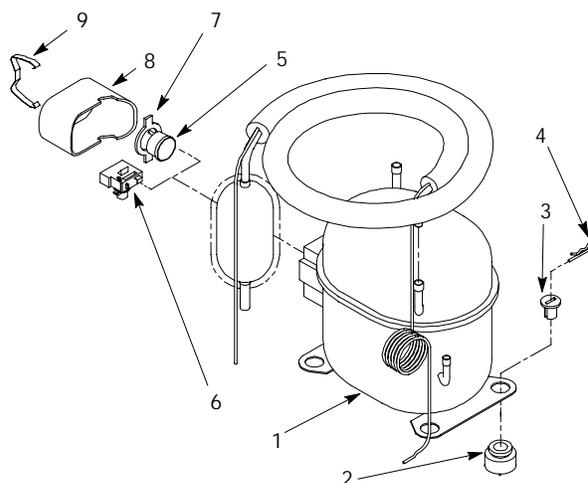


FIGURE 9. COMPRESSOR COMPONENTS

| Item No. | Part No.  | Name                     |
|----------|-----------|--------------------------|
| 1        | 2228      | Brkt Mtr Agit            |
| 2        | 186154000 | Screw SE 8-36 PAPH 12    |
| 3        | 314072000 | Motor Agit 120V 60Hz     |
|          | 317803088 | Motor Asy Agit 120V 60Hz |
|          | 314150000 | Motor Agit 230V 50Hz     |
|          | 197344088 | Motor Asy Agit 230V 50Hz |
|          | 4         | 186599000                |
| 5        | 186216000 | Blade Agit               |
| 6        | 311811000 | Nut Hex 1/4-20           |
| 7        | 186294000 | Washer Lk .262 I.D.      |

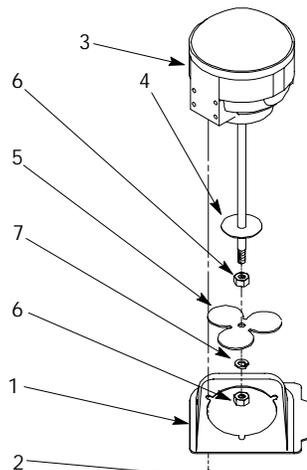


FIGURE 10. AGITATOR MOTOR COMPONENTS

| Item No. | Part No.   | Name                     |
|----------|------------|--------------------------|
| 1        | 312996000  | Pump Water 100 GPH       |
| 2        | 187483000  | Clamp Pump and Mot       |
| 3        | 2170       | Motor Pump 120V 60Hz     |
|          | 2765       | Motor Pump 230V 50/60Hz  |
| 4        | 3253       | Valve Chk Dual           |
| 5        | 3610003200 | Fitg L 3/8-MPT x 5/8 -18 |

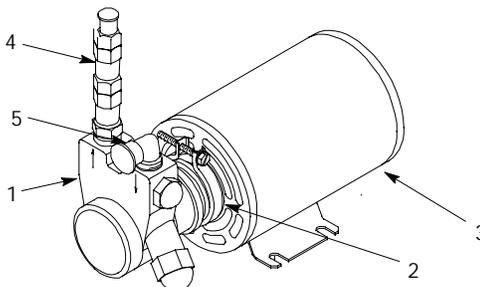


FIGURE 11. PUMP AND MOTOR COMPONENTS



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| Item No. | Part No.  | Name                                       |
|----------|-----------|--|
|          | 4139      | Box Cntl Assy 120V 60HZ                    |
|          | 560000892 | Box Cntl Assy 230V 50HZ                    |
| 1        | 142498115 | Control Ice Bank 120V 60HZ                 |
|          | 142498000 | Control Ice Bank 230V 50HZ                 |
| 2        | 186564000 | Strain Relief 120V 60HZ                    |
| 3        | 189378000 | Screw MA 6-32 PAPH 20                      |
| 4        | 200498003 | Nut Hex No. 8-32                           |
| 5        | 2477      | Holder Capacitor                           |
| 6        | 2792      | Capac Run 120V 60HZ                        |
|          | 2793      | Capac Run 230V 50HZ                        |
| 7        | 309898000 | Block Term                                 |
| 8        | 313438000 | Swt Toggle On/Off 120V 60HZ<br>(Not Shown) |
|          | 309645000 | Swt Rocker 220V 50HZ<br>(Not Shown)        |
| 9        | 314015000 | Control Liquid Level 120V 60HZ             |
|          | 197359000 | Control Liquid Level 230V 50HZ             |
| 10       | 314112000 | Cord Serv 120V 60HZ (Not Shown)            |
|          | 4345      | Receptacle Pushin 230V 50HZ<br>(Not Shown) |
| 11       | 320271000 | Screw TC 6-32 PAPH 12                      |
| 12       | 322661000 | Strain Relief                              |
| 13       | 3620      | Box Cntl 120V 60HZ                         |
|          | 560000856 | Box Cntl 230V 50HZ                         |
| 14       | 3291      | Harn Wire (Not Shown)                      |
| 15       | 330181000 | Nut Hex 6-32                               |
| 16       | 360668000 | Bushing Snap                               |

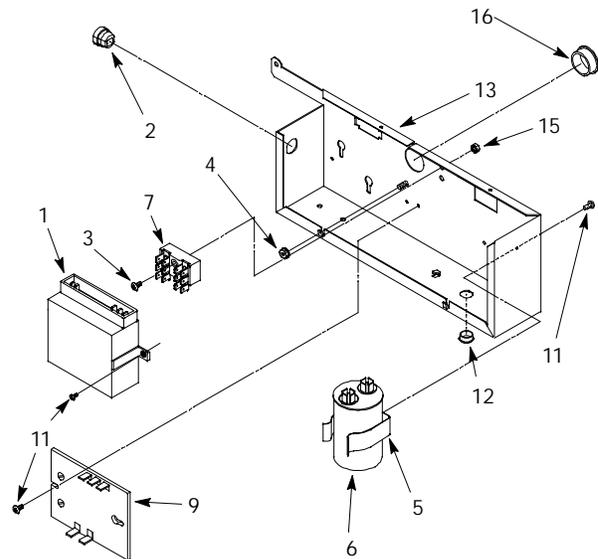


FIGURE 12. CONTROL BOX ASSEMBLY



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| Item No. | Part No.  | Name                                     |
|----------|-----------|--|
|          | 3542      | Tube Prod .265 I.D. x 8"                 |
|          | 4410      | Tube Prod .250 I.D. x 3"                 |
| 1        | 2775      | Tube Tygon .250 I.D. (Sold by the Foot)  |
|          | 174103001 | Tube VinBrd .250 I.D. (Sold by the Foot) |
| 2        | 176295000 | Ferrule .478 I.D.                        |
| 3        | 77840200  | Fitg Val                                 |

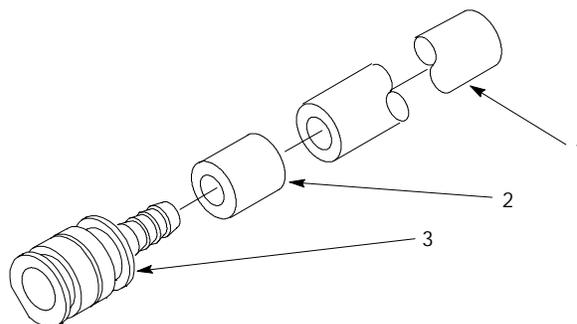


FIGURE 13. COIL TO VALVE, PRODUCT TUBE ASSEMBLY

| Item No. | Part No.  | Name                                      |
|----------|-----------|---|
|          | 4295      | Tube Prod .156 I.D. x 9"                  |
|          | 318448000 | Tube Prod .156 I.D. x 8"                  |
|          | 4264      | Tube Prod .156 I.D. x 7"                  |
| 1        | 174102000 | Tube CplyBrd .156 I.D. (Sold by the Foot) |
| 2        | 176004000 | Ferrule .335 I.D.                         |
| 3        | 77842100  | Fitg Val                                  |
| 4        | 313982000 | Stem Hose (Not Shown)                     |

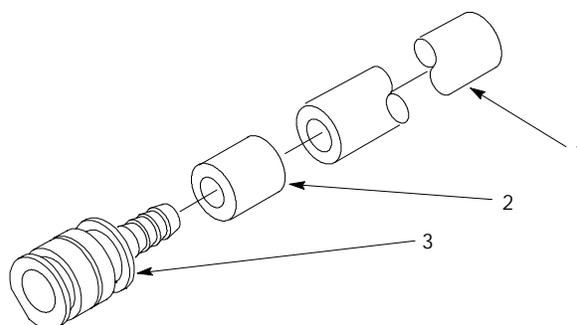


FIGURE 14. COIL TO VALVE, CARB WATER AND WATER TUBE ASSEMBLY

| Item No. | Part No.  | Name                                      |
|----------|-----------|---|
|          | 317651000 | Tube Prod .265 I.D. x 64"                 |
|          | 318049000 | Tube Conn .265 I.D. x 72"                 |
| 1        | 174478000 | Tube Flexcor .265 I.D. (Sold by the Foot) |
| 2        | 176000000 | Ferrule .500 I.D.                         |
| 3        | 176017000 | Nut Swiv 7/16-20                          |
| 4        | 77010400  | Fitg Nipl .265 I.D.                       |

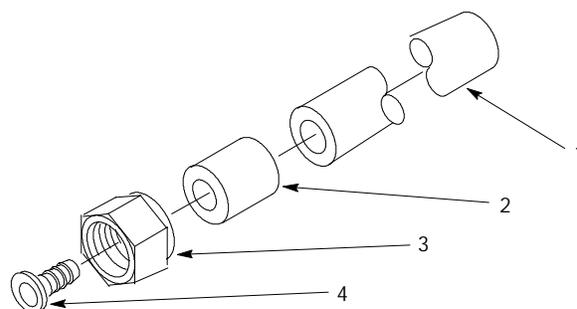


FIGURE 15. PRODUCT AND WATER INLET TUBE ASSEMBLYS



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### COLD CARB VENTURE POST-MIX DISPENSER ACCESSORIES/KITS

