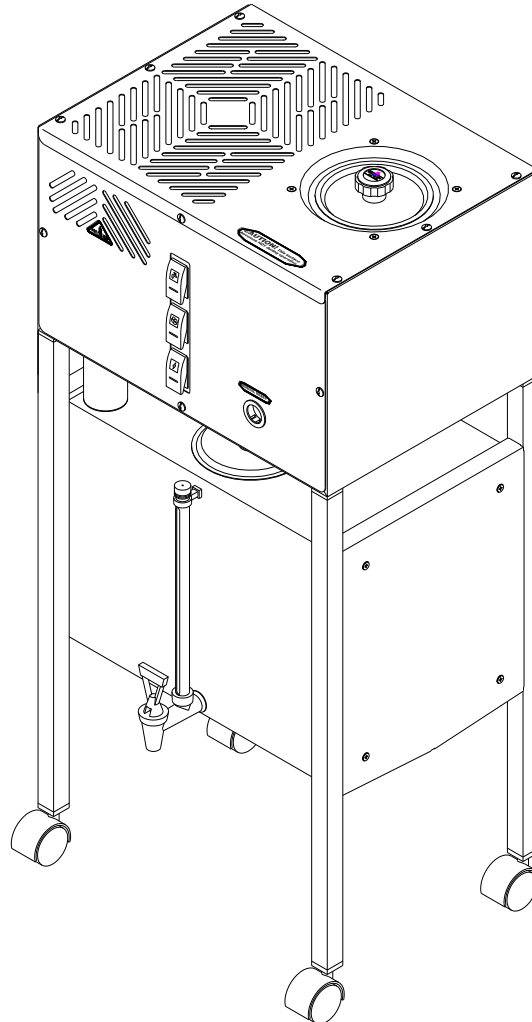




# REPLACEMENT PARTS MANUAL

FOR MODEL: PWS 12-12(120VAC), PWS 12-12(240VAC), AED-1(120VAC), AED-1(240VAC), APK-1(120VAC) & APK-1(240VAC)

|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| PART # | 510000 | 510002 | 500006 | 500015 | 500007 | 500016 |
| SERIES | 0004   | 0004   | 0001   | 0001   | 0001   | 0001   |



## PRECISION WATER SYSTEMS WATER DISTILLER

MANUFACTURED BY:  
PRECISION DESIGN & MANUFACTURING INC.  
10331 - 105<sup>th</sup> STREET  
WESTLOCK, ALBERTA, CANADA, T7P 2H7  
e-mail: [info@precisioncanada.com](mailto:info@precisioncanada.com)  
PHONE (780) 349-4933  
FAX (780) 349-4957



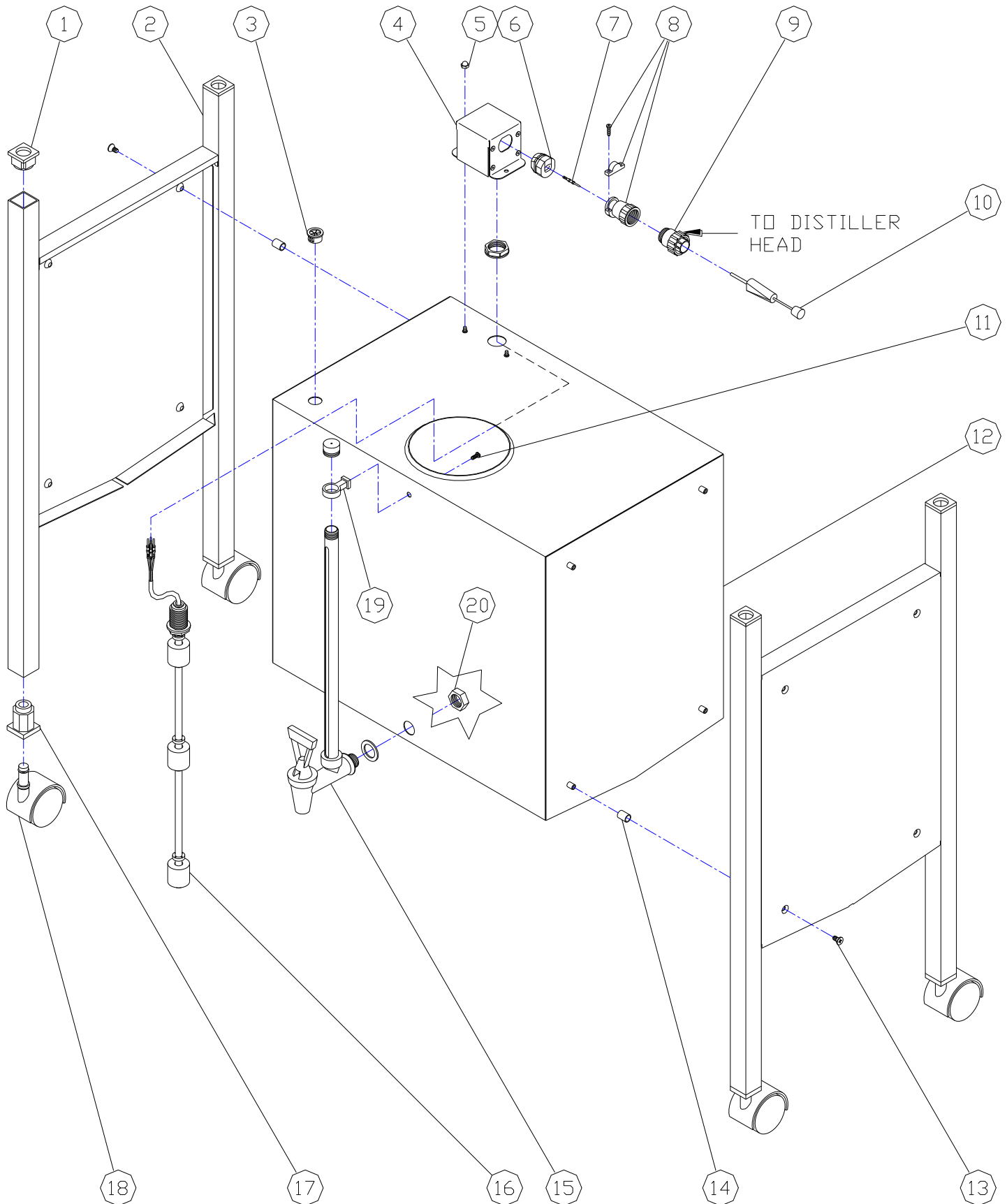
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## 094097-, Exploded Parts List Holding Tank Assembly, 12-12 Automatic

| <b>Item #</b> | <b>Part #</b> | <b>Description</b>                                 | <b>Qty</b> |
|---------------|---------------|----------------------------------------------------|------------|
| 1             | 500279        | Glide, Leg, 1" Sq, Vinyl, Punched                  | 4          |
| 2             | 510107        | Leg End WA, 12-12                                  | 2          |
| 3             | 054005        | Bushing, Wire, 5/8'                                | 1          |
| 4             | 500133        | Cover, Holding Tank Wires                          | 1          |
| 5             | 028001        | Nut, Acorn, 6-32 Pltd.                             | 2          |
| 6             | 054002        | Strain Relief. 7K-2                                | 1          |
| 7             | 060016        | Male Pin                                           | 4          |
| 8             | 060045        | Strain Relief, 7 pin, Circular                     | 1          |
| 9             | 060043        | Plug, 7 pin, Circular                              | 1          |
| 10            | 080135        | Circular Pin Extraction Tool                       | 1          |
| 11            | 012013        | Screw, Mach, #10-24 x 3/8" SS                      | 1          |
| 12            | 510116        | Holding Tank WA, 12 Gallon                         | 1          |
| 13            | 012008        | Screw, Mach, #10-24x3/8", Oval Hd                  | 8          |
| 14            | 500274        | Tube, 3/8" X 0.496"                                | 8          |
| 15            | 080122        | Valve, HT, 13"<br>(includes nut, washer & support) | 1          |
| 16            | 500255        | HT 16" Level Sensor Assy                           | 1          |
| 17            | 054014        | Socket, 1" Sq, Stem Mt, Castor                     | 4          |
| 18            | 054013        | Castor, 2" Twin Wheel, Stem Mt                     | 4          |
| 19            | 080130        | Support, SG, 5/8 Blk                               | 1          |
| 20            | 080132        | Nut, Jam, 3/8, Blk                                 | 1          |

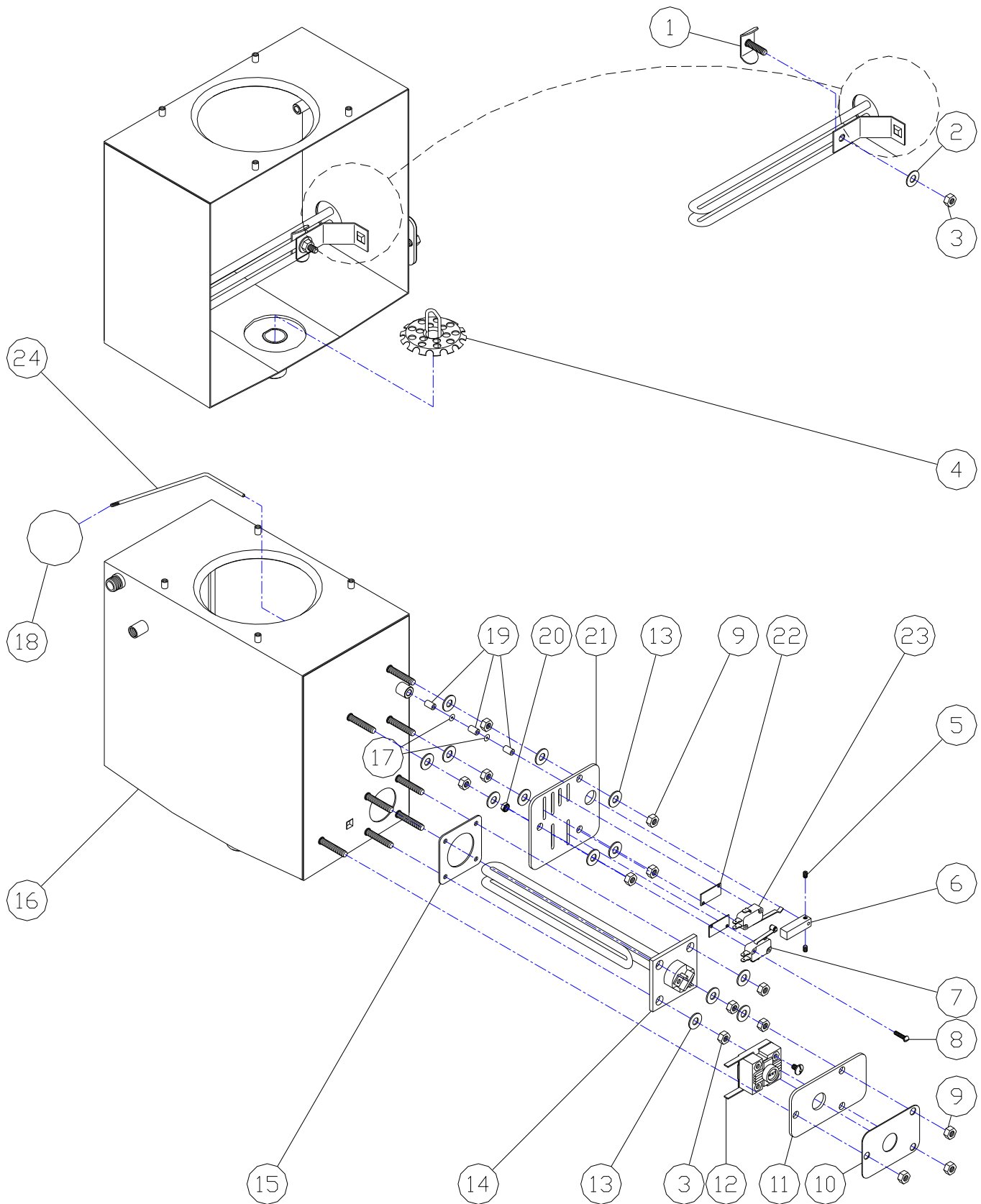
# 094097-, Exploded Parts List Holding Tank Assembly, 12-12 Automatic



## 094112S4, Exploded Parts List Boiler Assembly, 12GPD Automatic

| <b>Item #</b> | <b>Part #</b> | <b>Description</b>                    | <b>Qty</b> |
|---------------|---------------|---------------------------------------|------------|
| 1             | 500182        | Clip, Heater, Studded                 | 1          |
| 2             | 018009        | Washer, 5/16" x 1-1/4" x 18ga SS      | 1          |
| 3             | 025000        | Nut, Hex, 1/4" SS                     | 5          |
| 4             | 500208        | Drain Strainer WA                     | 1          |
| 5             | 016014        | Set Screw, Blk, #6-32 x .25", Cup Pt. | 2          |
| 6             | 500278        | Bar Actuator, Boiler Float            | 1          |
| 7             | 060058        | Microswitch, Short Roller Arm         | 1          |
| 8             | 012003        | Screw, Machine, Pltd, #4-40 x 3/4"    | 4          |
| 9             | 025002        | Nut, Hex, 1/4" Pltd.                  | 9          |
| 10            | 500153        | Cover, Reset, SS                      | 1          |
| 11            | 400010        | Reset Plate, Lexan                    | 1          |
| 12            | 060000        | Switch, Thermo-reset                  | 1          |
| 13            | 018004        | Washer, 5/16" x 11/16" x 20ga SS      | 11         |
| 14            | 060003        | Heating Element, 125V, 1500W          | 1          |
|               | 060004        | Heating Element, 230V, 1500W          | 1          |
| 15            | 500100        | Gasket, Heater                        | 1          |
| 16            | 510146        | Boiler WA, 12GPD Auto, Series2        | 1          |
| 17            | 080128        | O-Ring, 1/16" x 1/8" x 1/4"           | 2          |
| 18            | 080162        | Float Ball, SS, 2-1/4" Round, #6-32   | 1          |
| 19            | 080127        | Bushing, Nylon                        | 3          |
| 20            | 026003        | Nut, Kep, #4-40                       | 4          |
| 21            | 500266        | Plate, Microswitch                    | 1          |
| 22            | 500289        | Shim, Microswitch                     | 2          |
| 23            | 060059        | Microswitch, Long Arm, Formed         | 1          |
| 24            | 500264        | Rod, Boiler Float                     | 1          |

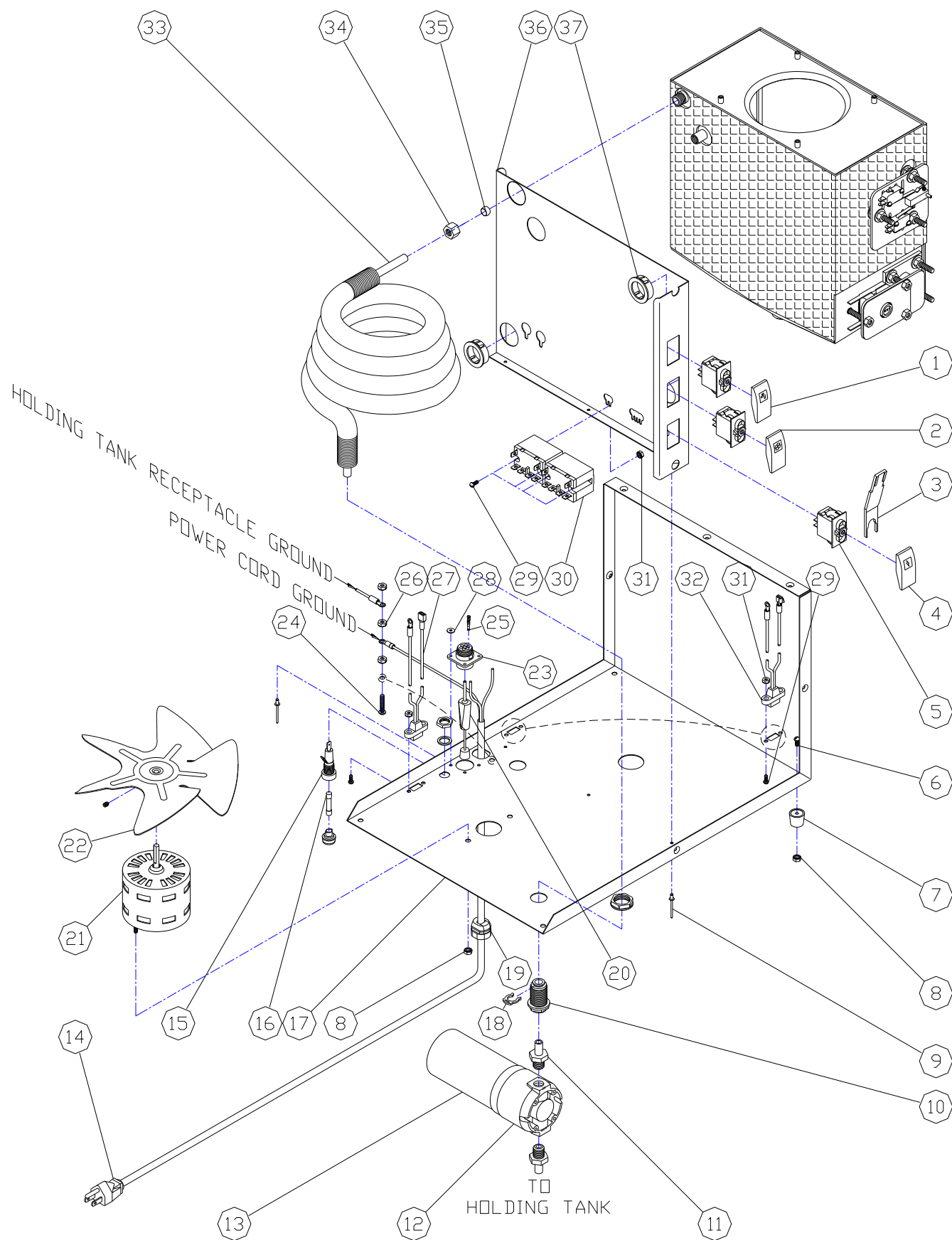
# **094112S4, Exploded Parts List** **Boiler Assembly, 12GPD Automatic**



## 094101S3, Exploded Parts List Distiller Body Assembly, 12GPD Automatic

| Item # | Part # | Description                                         | Qty |
|--------|--------|-----------------------------------------------------|-----|
| 1      | 060031 | Actuator, Grey, White-Water                         | 1   |
| 2      | 060030 | Actuator, Grey, Amber-Fan                           | 1   |
| 3      | 080134 | Tool, Actuator Removal                              | 1   |
| 4      | 060029 | Actuator, Grey, Red-Power                           | 1   |
| 5      | 060028 | Switch Base, 120/240V SPST                          | 3   |
| 6      | 012012 | Screw, Mach, Pltd. #8-32 x 5/8"                     | 4   |
| 7      | 054010 | Leg, 3/4"OD x 5/8" high                             | 4   |
| 8      | 026001 | Nut, Kep, Pltd. #8-32                               | 6   |
| 9      | 016004 | Rivet, Aluminum, 1/8" x 5/16"                       | 6   |
| 10     | 034011 | Bulkhead, 3/8" JG                                   | 1   |
| 11     | 034018 | Coupler, 1/4" MPT x 3/8" Stem                       | 2   |
| 12     | 080075 | Filter Head, 1/4"FPT, Screw-on                      | 1   |
| 13     | 080071 | Filter, Cartridge, Charcoal, 6"                     | 1   |
| 14     | 510121 | Power Cord Assembly, 14-3 NA, 12 GPD Automatic      | 1   |
| 15     | 060036 | Fuse Holder, Chassis, 15Amp (includes nut & gasket) | 1   |
| 16     | 060022 | Fuse, 1 Amp, Slow Blow                              | 1   |
| 17     | 510100 | Body, 12GPD Auto                                    | 1   |
| 18     | 034021 | Locking Clip, 3/8" JG                               | 1   |
| 19     | 054002 | Strain Relief, 7K-2                                 | 1   |
| 20     | 080135 | Circular Pin Extraction Tool                        | 1   |
| 21     | 060049 | Motor, 120/240 Dual Voltage                         | 1   |
| 22     | 080046 | Fan Blade, 8"                                       | 1   |
| 23     | 060044 | Receptacle, 7 pin Circular                          | 1   |
| 24     | 012000 | Screw, Machine, Pltd, #10-24 x 1"                   | 1   |
| 25     | 060017 | Female Pin                                          | 4   |
| 26     | 026000 | Nut, Kep, Pltd., #10-24                             | 3   |
| 27     | 510123 | Pump Receptacle Assy, 12GPD Auto                    | 1   |
| 28     | 018001 | Washer, Flat, 1/8" x 3/8" x 20ga Alum               | 2   |
| 29     | 012009 | Screw, Mach, Pltd, #6-32x1/2"                       | 8   |
| 30     | 060018 | Relay, Blk, 120V                                    | 2   |
|        | 060019 | Relay, Blk, 240V                                    | 2   |
| 31     | 026002 | Nut, Kep, Pltd., #6-32                              | 8   |
| 32     | 510124 | Drain Receptacle Assy, 12GPD Auto                   | 1   |
| 33     | 510135 | Cooling Coil Assy, 12GPD Auto                       | 1   |
| 34     | 030013 | Nut, Pltd, 3/8" Comp.                               | 1   |
| 35     | 030012 | Ferrule, 3/8"                                       | 1   |
| 36     | 510101 | Divider, 12GPD Auto                                 | 1   |
| 37     | 054004 | Bushing, Snap, 1-1/4"                               | 2   |

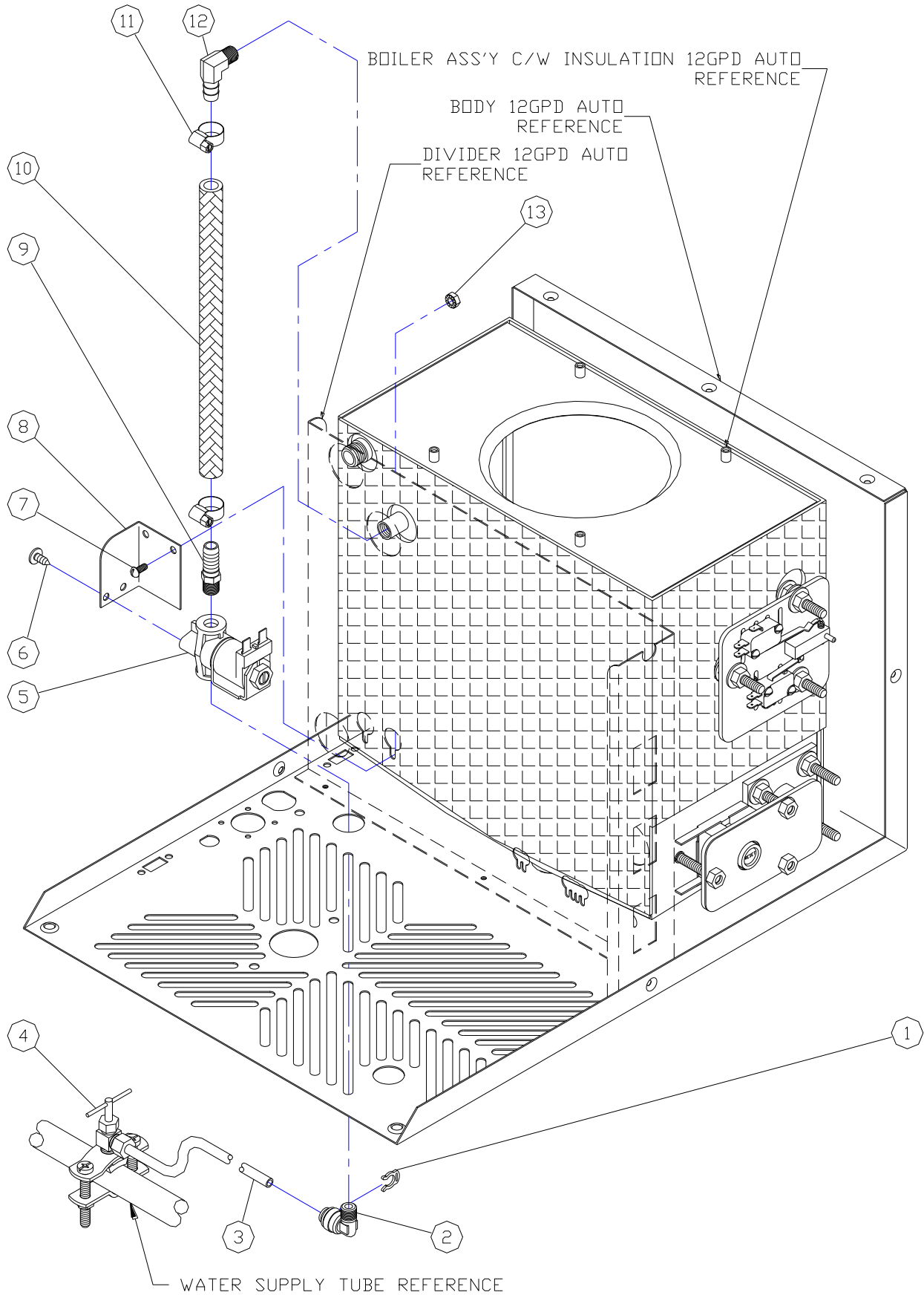
# **094101S3, Exploded Parts List** **Distiller Body Assembly, 12GPD Automatic**



## 094099S3, Exploded Parts List 12GPD Solenoid Valve Assembly

| <b>Item #</b> | <b>Part #</b> | <b>Description</b>              | <b>Qty</b> |
|---------------|---------------|---------------------------------|------------|
| 1             | 034009        | Locking Clip, 1/4" JG           | 1          |
| 2             | 034006        | Elbow, 90, 1/8MPTx1/4" JG       | 1          |
| 3             | 052000        | Tubing, 1/4" Feed-line          | 16         |
| 4             | 036005        | Valve, Self Piercing Kit        | 1          |
| 5             | 060026        | Solenoid Valve, 1/8FPT BE, 120V | 1          |
|               | 060027        | Solenoid Valve, 1/8FPT BE, 240V | 1          |
| 6             | 010000        | Screw, ShtMtl #10-12x1/2", SS   | 2          |
| 7             | 012012        | Screw, Mach, #8-32x5/8", Pltd.  | 2          |
| 8             | 500166        | Bracket, Solenoid Valve         | 1          |
| 9             | 034024        | Coupler, Nylon, 1/8"MPTx3/8"HB  | 1          |
| 10            | 052004        | Tubing, 3/8x0.6 Braided         | 1          |
| 11            | 080056        | Gear Clamp, SS, 1/4"            | 2          |
| 12            | 030003        | Elbow, 90, 1/8"MPTx3/8"HB       | 1          |
| 13            | 026001        | Nut, Kep,#8-32                  | 2          |

# 094099S3, Exploded Parts List 12GPD Solenoid Valve Assembly



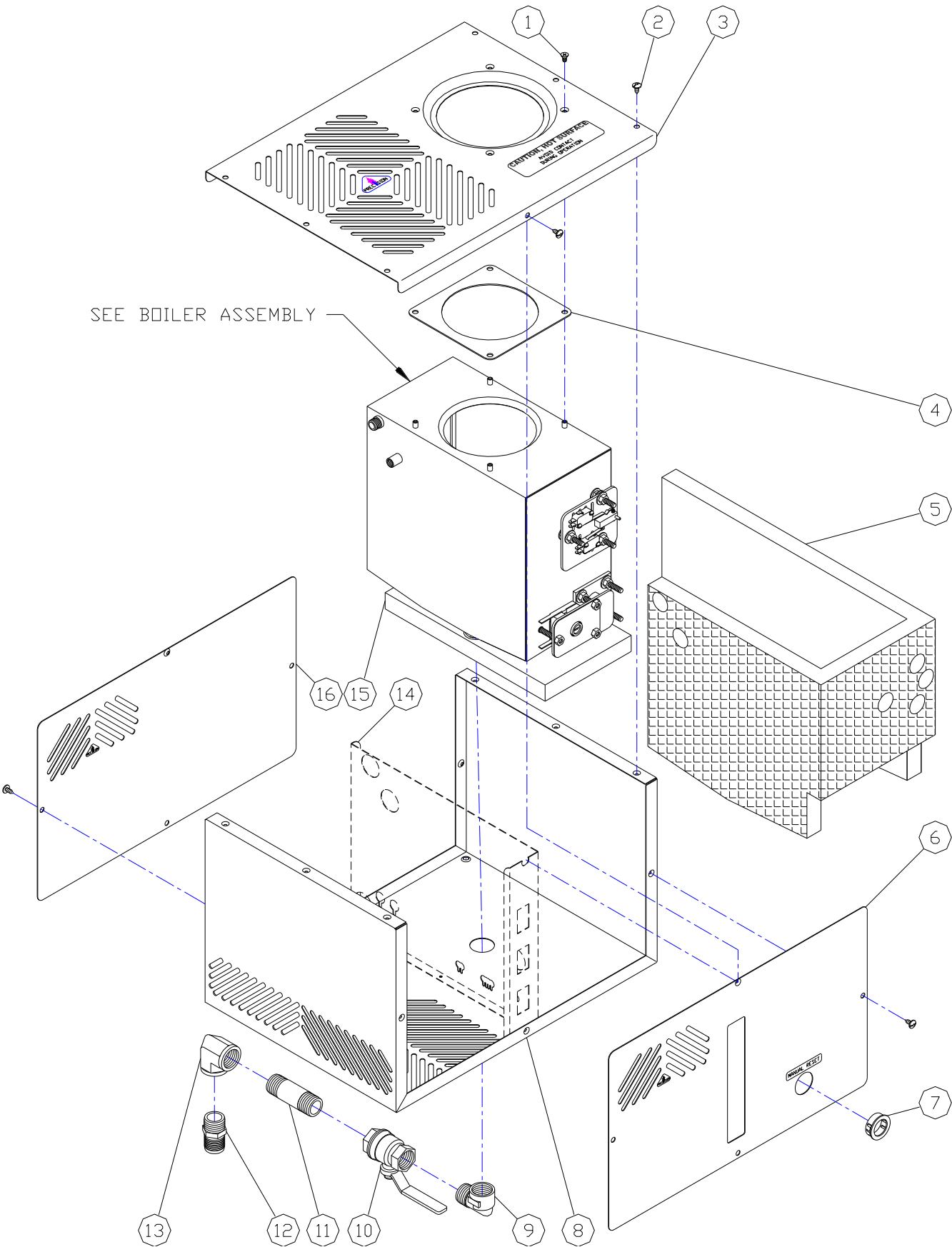
## 094098S3, Exploded Parts List

### Distiller Head Assembly, 12GPD Automatic

| <b>Item #</b> | <b>Part #</b> | <b>Description</b>                 | <b>Qty</b> |
|---------------|---------------|------------------------------------|------------|
| 1             | 012008        | Screw, Mach, #10-24x3/8",Oval Hd 4 |            |
| 2             | 010000        | Screw, Sht Mtl, #10-12 x 1/2", SS  | 14         |
| 3             | 510102        | Cover, Top, 12GPD, Auto            | 1          |
| 4             | 500111        | Gasket, Lid                        | 1          |
| 5             | 510118        | Insulation, 12GPD Boiler Sides     | 1          |
| 6             | 510103        | Cover, Front, 12GPD                | 1          |
| 7             | 054005        | Bushing, Snap, 1.25"               | 1          |
| 8             | 510100        | Body, 12GPD                        | 1          |
| 9             | 030018        | Elbow,90, 3/4FPT BE                | 1          |
| 10            | 030009        | Valve, Ball, 3/4 FPT BE, FF        | 1          |
| 11            | 030021        | Nipple, 3/4 MPT x 3"               | 1          |
| 12            | 030015        | Coupler, 3/4 MPT x 1"HB            | 1          |
| 13            | 030016        | Elbow, 90, 3/4 MPT x 3/4 FPT       | 1          |
| 14            | 510101        | Divider, 12GPD                     | 1          |
| 15            | 510119        | Insulation, 12GPD Boiler Bot.      | 1          |
| 16            | 510104        | Cover, Rear, 12GPD                 | 1          |

# 094098S3, Exploded Parts List

## Distiller Head Assembly, 12GPD Automatic

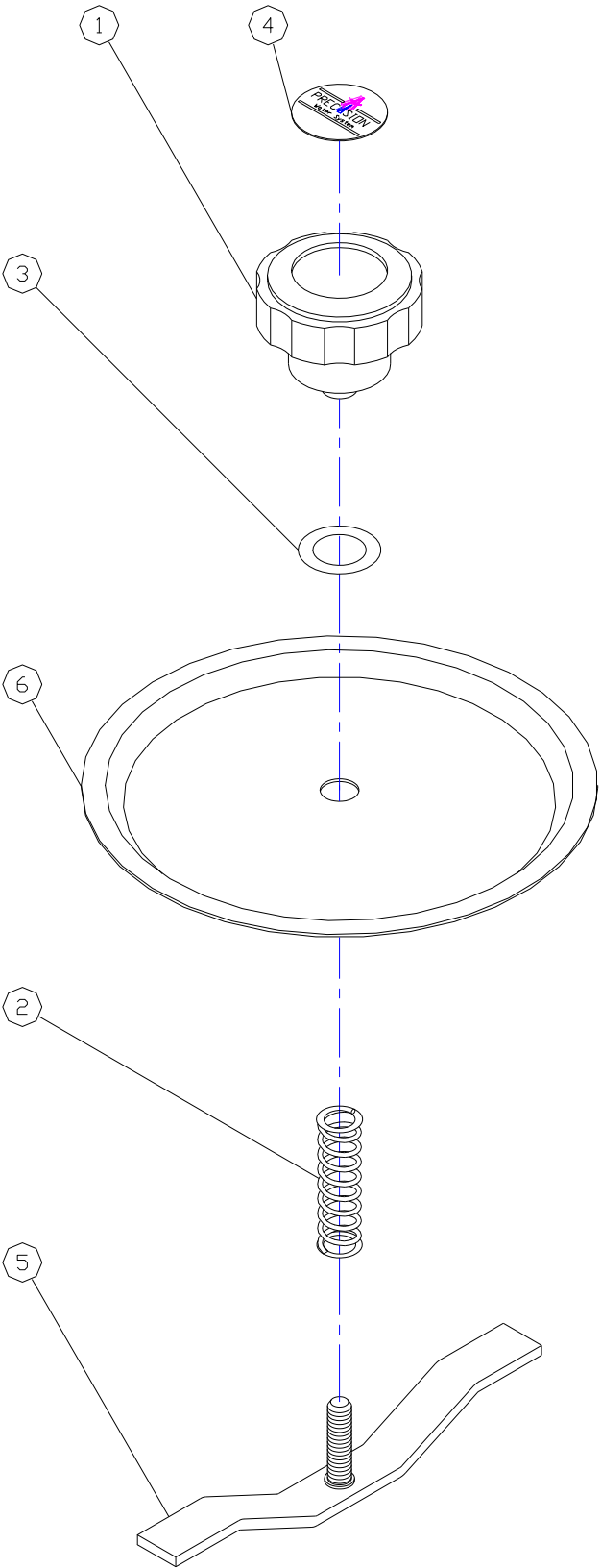


## 094074A, Exploded Parts List

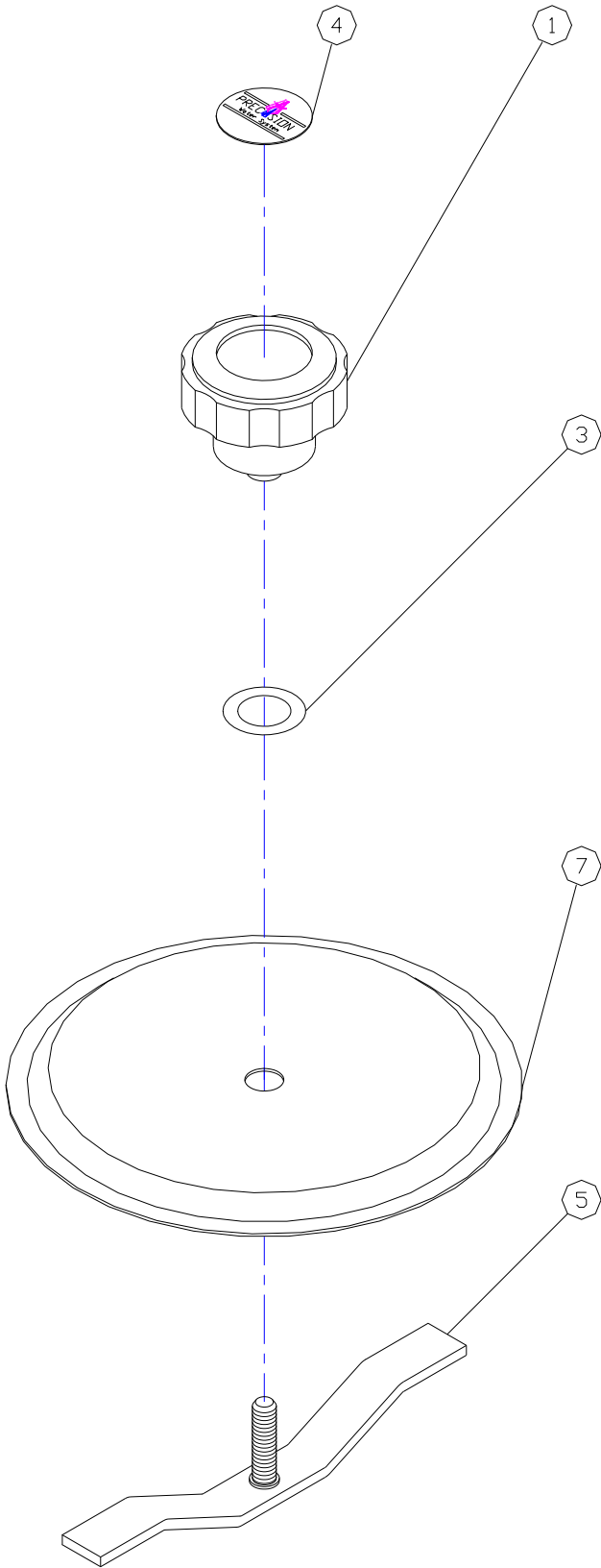
### Boiling Tank & Holding Tank Lids Assemblies

| <u>Item #</u> | <u>Part #</u> | <u>Description</u>           | <u>Qty</u> |
|---------------|---------------|------------------------------|------------|
| 1             | 080053        | Knob, Black Phenolic, 1/4-20 | 1          |
| 2             | 080058        | Spring, BT, Lid, SS          | 1          |
| 3             | 080064        | O-Ring, Lid Knob, Buna 112   | 1          |
| 4             | 080106        | Inlay, Knob, PWS             | 1          |
| 5             | 500115        | Tee Bar, Studded, 5.5"       | 1          |
| 6             | 500118        | Lid, B/T, Disc, SS, 5/5"     | 1          |
| 7             | 500119        | Lid, H/T, Disc, SS, 5.5"     | 1          |

**094074A, Exploded Parts List**  
**Boiling & Holding Tank Lids Assemblies, PWS**



BOILING TANK  
LID ASSEMBLY  
(PART # 500184)



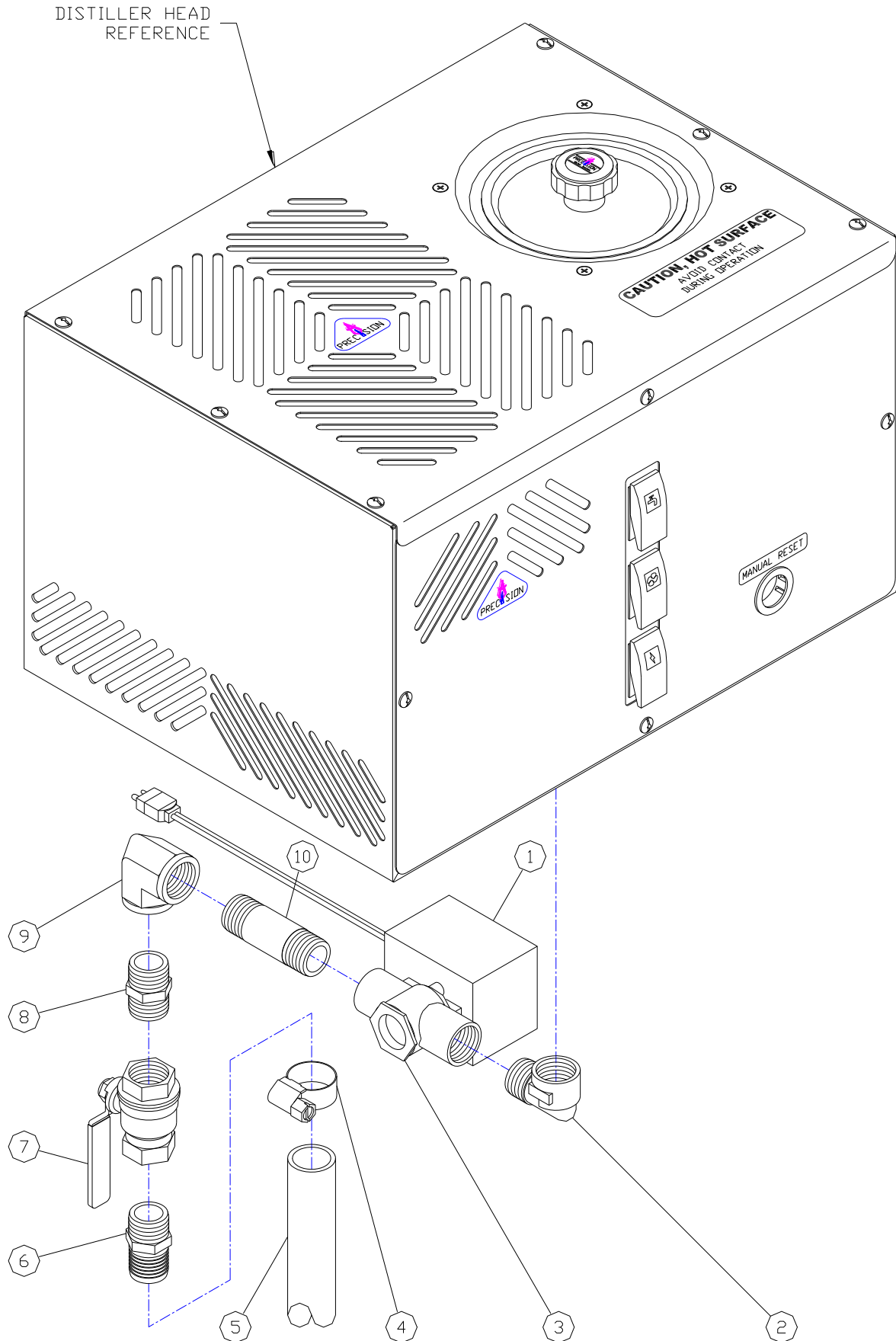
HOLDING TANK  
LID ASSEMBLY  
(PART # 500248)

**094096-, Exploded Parts List**  
**Automatic Electric Drain Assembly, AED-1**

| <b>Item #</b> | <b>Part #</b> | <b>Description</b>             | <b>Qty</b> |
|---------------|---------------|--------------------------------|------------|
| 1             | 080076        | Motor, Drain Valve, 120V       | 1          |
|               | 080082        | Motor, Drain Valve, 240V       | 1          |
| 2             | 030016        | Elbow, 90, 3/4 "FPT x 3/4" MPT | 1          |
| 3             | 080077        | Valve, Drain, 3/4FPT, NO       | 1          |
| 4             | 080121        | Clamp, Gear, 1-1/4"            | 1          |
| 5             | 052005        | Tubing, 1x1-1/4"               | 1          |
| 6             | 030015        | Coupler, 3/4MPTx1"HB           | 1          |
| 7             | 030009        | Valve, Ball, 3/4FPT BE, FF     | 1          |
| 8             | 030017        | Nipple, Close, 3/4MPT          | 1          |
| 9             | 030018        | Elbow, 90, 3/4FPT              | 1          |
| 10            | 030021        | Nipple, 3/4MPT x 3"            | 1          |

# 094096-, Exploded Parts List

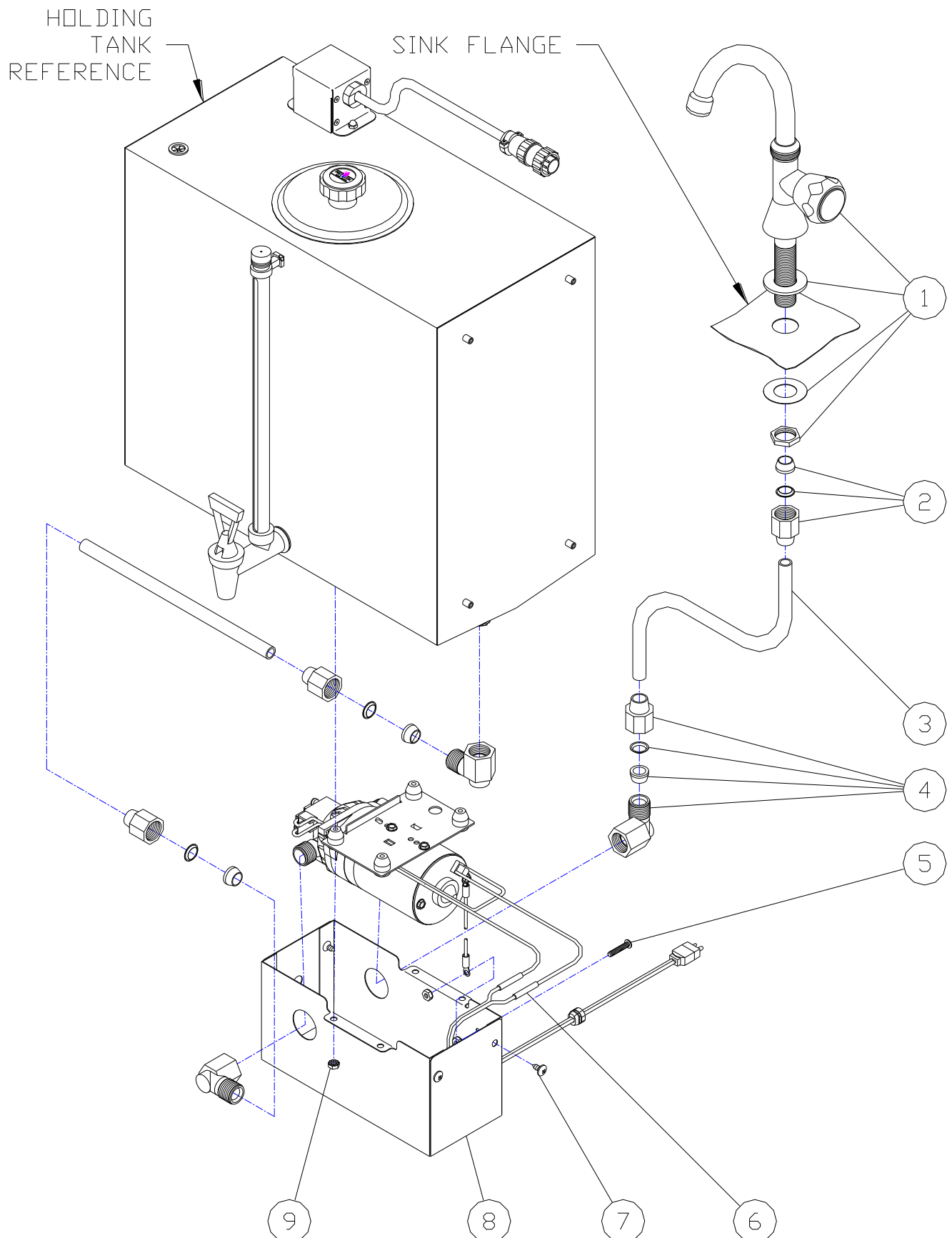
## Automatic Electric Drain Assembly, AED-1



## 094094-, Exploded Parts List Automatic Pump Assembly, APK-1

| <b>Item #</b> | <b>Part #</b> | <b>Description</b>               | <b>Qty</b> |
|---------------|---------------|----------------------------------|------------|
| 14            | 080052        | Faucet, Chrome                   | 1          |
| 15            | 034003        | Nut/Cone/Ring Set, ½" OD         | 1          |
| 3             | 052001        | Tubing, LDPE, 3/8" x ½"          | 1          |
| 4             | 034022        | Elbow, 90, 1/2FPT x 1/2OD Tube   | 3          |
| 5             | 012000        | Screw, Mach, Pltd, #10-24 x1     | 1          |
| 6             | 066006        | Butt Splice, 18-22AWG, Red       | 2          |
| 7             | 010002        | Screw, Shtmtl, Pltd, #10-12 x ½" | 4          |
| 8             | 500191        | Pump Box                         | 1          |
| 9             | 026000        | Nut, Kep, #10-24                 | 6          |

# 094094-, Exploded Parts List Automatic Pump Assembly, APK-1

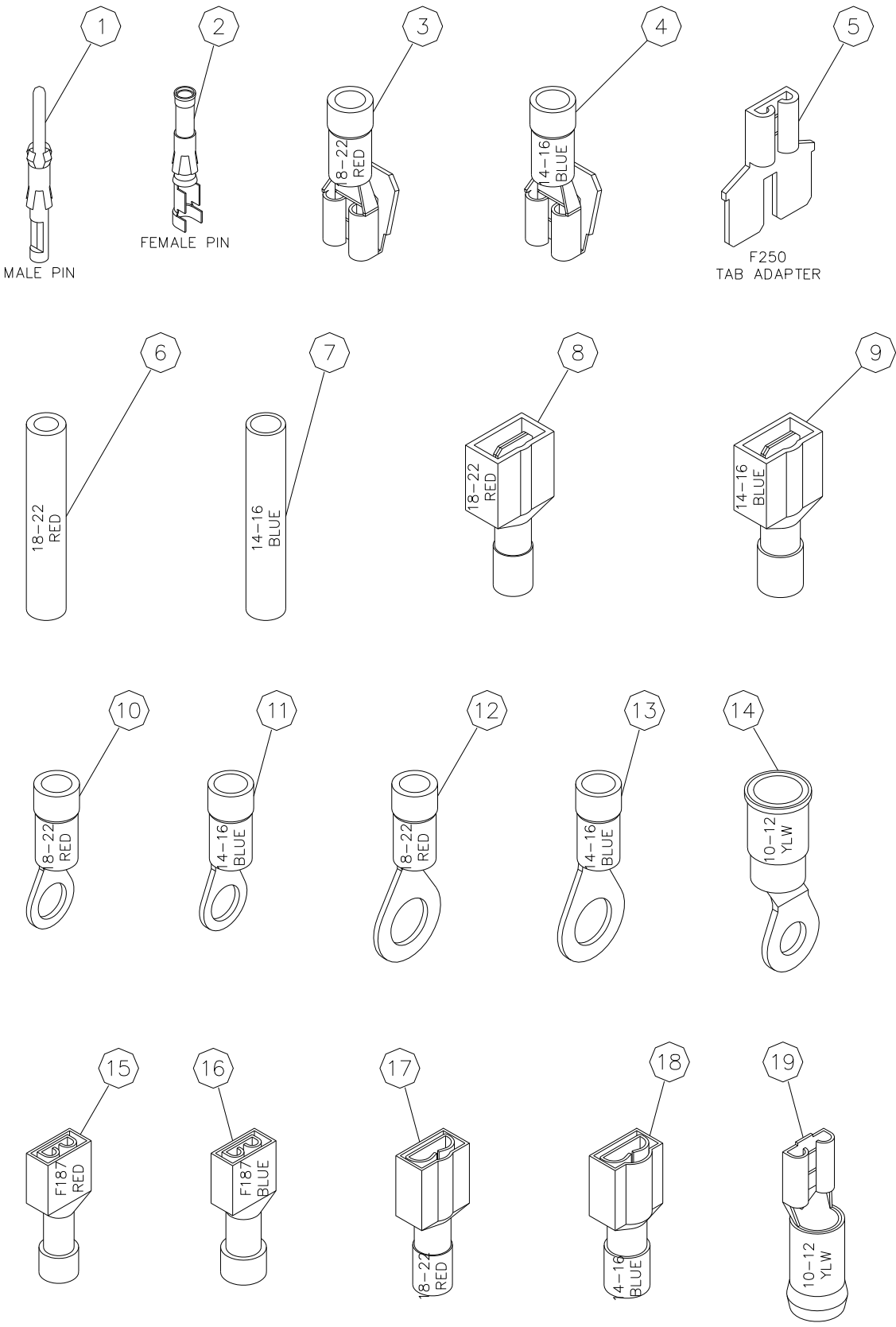


## 094109-, Exploded Parts List

### Electrical Terminals

| Item # | Part # | Description                              |
|--------|--------|------------------------------------------|
| 1      | 060016 | Pin, Male, Circular                      |
| 2      | 060017 | Pin, Female, Circular                    |
| 3      | 066014 | Receptacle, Pigg, F250, #18-22 AWG, Red  |
| 4      | 066004 | Receptacle, Pigg, F250, #14-16 AWG, Blue |
| 5      | 066013 | Tab Adapter, F250                        |
| 6      | 066006 | Butt Splice, #18-22 AWG, Red             |
| 7      | 066005 | Butt Splice, #14-16 AWG, Blue            |
| 8      | 060012 | Tab, 250, #18-22 AWG, Red                |
| 9      | 066011 | Tab, 250, #14-16 AWG, Blue               |
| 10     | 066008 | Ring, #10, #18-22 AWG, Red               |
| 11     | 066007 | Ring, #10, #14-16 AWG, Blue              |
| 12     | 066010 | Ring, ¼", #18-22 AWG, Red                |
| 13     | 066009 | Ring, ¼", #14-16 AWG, Blue               |
| 14     | 066016 | Ring, #10, #10-12 AWG, Yellow            |
| 15     | 066003 | Receptacle, F187, #18-22 AWG, Red        |
| 16     | 066001 | Receptacle, F187, #14-16 AWG, Blue       |
| 17     | 066002 | Receptacle, F250, #18-22 AWG, Red        |
| 18     | 066000 | Receptacle, F250, #14-16 AWG, Blue       |
| 19     | 066015 | Receptacle, F250, #10-12 AWG, Yellow     |

# 094109-, Exploded Parts List Electrical Terminals



# Wiring List, Precision Pure 12-12 (12GPD Auto) PART # 510126-Series 3

| No. | Part#  | Color | Ga | Length  | From Conn.       | SERIES 3            | From Location         | To Location                |
|-----|--------|-------|----|---------|------------------|---------------------|-----------------------|----------------------------|
|     |        |       |    |         |                  | ToConn.             |                       |                            |
| 1   | 510121 | GRN   | 16 | 3"      | #10RING#14-#16   | POWER CORD          | GROUND                | POWER CORD                 |
| 2   | 510121 | BLK   | 16 | 17.5"   | F250 #14-#16     | POWER CORD          | POWER SWITCH #2       | POWER CORD                 |
| 3   | 510121 | WHT   | 16 | 18.5"   | #10RING#14-#16   | POWER CORD          | RESET SWITCH #4       | POWER CORD                 |
| 4   | 510122 | BLKor | 18 | 12"     | PIGG             | FAN MOTOR (ORG/BLU) | HEATER RELAY #1       | FAN MOTOR                  |
| 5   | 510122 | BLKor | 18 | 12"     | F250 #18-#22     | FAN MOTOR (YLW/WHT) | FAN SWITCH #2         | FAN MOTOR                  |
| 6   |        |       |    |         |                  |                     |                       |                            |
| 7   |        |       |    |         |                  |                     |                       |                            |
| 8   |        |       |    |         |                  |                     |                       |                            |
| 9   | 095001 | BLK   | 18 | 7"      | #10RING#18-#22   | F187 #18-#22        | RESET SWITCH #1       | Lower Microswitch COM      |
| 10  | 095033 | GRN   | 16 | 23"     | PIGG             | F250 #14- #16       | HEATER RELAY "B" (5)  | SOLENOID VALVE A           |
| 11  | 095034 | BLK   | 16 | 26"     | F187 #14-#16     | F250 #14- #16       | Upper Microswitch COM | SOLENOID VALVE B           |
| 12  | 510123 | BLK   | 18 | 3.5"    | F250 #18-#22     | PUMP RECEPTACLE     | FUSE SIDE             | PUMP RECEPTACLE (SMOOTH)   |
| 13  | 510123 | BLK   | 18 | 24"     | #10RING#18-#22   | PUMP RECEPTACLE     | RESET SWITCH #3       | PUMP RECEPTACLE            |
| 14  | 095035 | ORG   | 16 | 20"     | #10RING#14-#16   | FPIN                | RESET SWITCH #3       | HOLDING TANK RECEPTACLE #1 |
| 15  | 095036 | BLU   | 16 | 19"     | F250 #14-#16     | FPIN                | HEATER RELAY #3       | HOLDING TANK RECEPTACLE #2 |
| 16  | 095004 | YLW   | 16 | 7"      | PIGG             | FPIN                | SOLENOID VALVE A      | HOLDING TANK RECEPTACLE #3 |
| 17  | 095037 | RED   | 16 | 22"     | F250 #14-#16     | FPIN                | PUMP RELAY "B" (5)    | HOLDING TANK RECEPTACLE #4 |
| 18  | 095006 | RED   | 16 | 8"      | F250 #14-#16     | #10 RING #14-#16    | POWER SWITCH #3       | RESET SWITCH #2            |
| 19  | 510124 | BLK   | 18 | 20" ??? | PIGG             | DRAIN RECEPTACLE    | HEATER RELAY #4       | DRAIN RECEPTACLE           |
| 20  | 510124 | BLK   | 18 | 20"     | #10RING#18-#22   | DRAIN RECEPTACLE    | RESET SWITCH #1       | DRAIN RECEPTACLE           |
| 21  | 095007 | WHT   | 16 | 4"      | #10RING#14-#16   | #10 RING #14-#16    | RESET SWITCH #1       | HEATING ELEMENT "A"        |
| 22  | 095008 | YLW   | 16 | 13"     | F250 #14-#16     | #10 RING #14-#16    | HEATER RELAY #1       | HEATING ELEMENT "B"        |
| 23  | 095009 | BRN   | 16 | 7"      | F250 #14-#16     | PIGG                | PUMP RELAY "A" (6)    | POWER SWITCH #2            |
| 24  | 095010 | WHT   | 16 | 3"      | F250 #14-#16     | PIGG                | PUMP RELAY #3         | PUMP RELAY "A" (6)         |
| 25  | 095038 | GRN   | 16 | 22"     | F250 #14-#16     | F250 #14-#16        | PUMP RELAY #4         | FUSE END                   |
| 26  | 095010 | WHT   | 16 | 3"      | PIGG             | F250 #14-#16        | HEATER RELAY "B" (5)  | HEATER RELAY #4            |
| 27  | 095012 | BRN   | 16 | 12"     | F250 #14-#16     | #10 RING #14-#16    | HEATER RELAY #2       | RESET SWITCH #3            |
| 28  | 095013 | ORG   | 16 | 8"      | F250 #14-#16     | #10 RING #14-#16    | FAN SWITCH #3         | RESET SWITCH #1            |
| 29  | 095014 | RED   | 16 | 11"     | #10 RING #14-#16 | F250 #14-#16        | HEATING ELEMENT "B"   | POWER SWITCH #7            |
| 30  | 095010 | WHT   | 16 | 3"      | F250 #14-#16     | PIGG                | FAN SWITCH #6         | POWER SWITCH #7            |
| 31  | 095010 | WHT   | 16 | 3"      | F250 #14-#16     | PIGG                | FAN SWITCH #7         | FAN SWITCH #2              |
| 32  | 095015 | BRN   | 16 | 12"     | F250 #14-#16     | #10 RING #14-#16    | FAN SWITCH #8         | RESET SWITCH #4            |
| 33  | 095016 | BLU   | 16 | 11"     | F250 #14-#16     | #10 RING #14-#16    | POWER SWITCH #8       | RESET SWITCH #4            |
| 34  | 095010 | WHT   | 16 | 3"      | F250 #14-#16     | PIGG                | POWER SWITCH #6       | POWER SWITCH #3            |
| 35  | 095017 | BLU   | 16 | 10"     | F250 #14-#16     | F250 #14-#16        | HEATER RELAY B (6)    | WATER SWITCH #7            |
| 36  | 095018 | GRN   | 16 | 14"     | F250 #14-#16     | #10 RING #14-#16    | WATER SWITCH #8       | RESET SWITCH #4            |
| 37  | 095039 | BRN   | 16 | 24"     | F250 #14-#16     | PIGG                | WATER SWITCH #6       | SOLENOID VALVE B           |
| 38  | 095020 | YLW   | 16 | 5"      | F250 #14-#16     | PIGG                | WATER SWITCH #2       | FAN SWITCH #3              |
| 39  | 095021 | GRN   | 16 | 13"     | F187 #14-#16     | F250 #14-#16        | Lower Microswitch NC  | HEATER RELAY "A" (6)       |
| 40  | 095022 | ORG   | 16 | 14"     | F187 #14-#16     | F250 #14-#16        | Upper Microswitch NC  | WATER SWITCH #3            |

The diagram illustrates the electrical wiring for a water heating system. Key components and their connections include:

- Power Cord:** Connected to the system via a 120V/240V microswitch (NC position).
- Relays:** FAN 120V/240V MOTOR, HEATER RELAY #1, and HEATER RELAY #2 are shown with their respective wiring.
- Switches:** BOTTOM SWITCH (POWER), TOP SWITCH (WATER), and MIDDLE SWITCH (FAN) are connected to the system.
- Solenoid Valve:** FILL SOLENOID VALVE (NC position) is connected to the system.
- Pump:** PUMP RELAY and PUMP RECEPTACLE (FEMALE END) are connected to the system.
- Heating Element:** HEATING ELEMENT is connected to the system.
- Terminal Block:** A terminal block for the HOLDING TANK PLUG is shown with connections for BLU, YLW, and RED wires.
- Dual Voltage Wiring Diagram:** A section showing the connection of the system to a 120V/240V power source.

The diagram uses a color-coded wiring system: BLK (Black), WHT (White), YLW (Yellow), GRN (Green), RED (Red), and ORG (Orange). Wire numbers are provided for each connection point.

