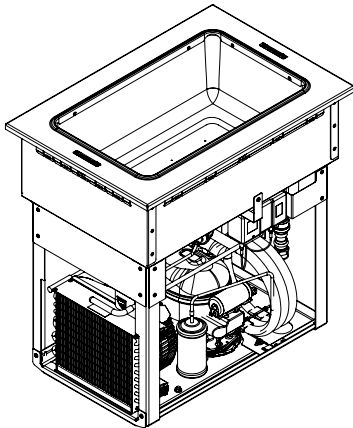


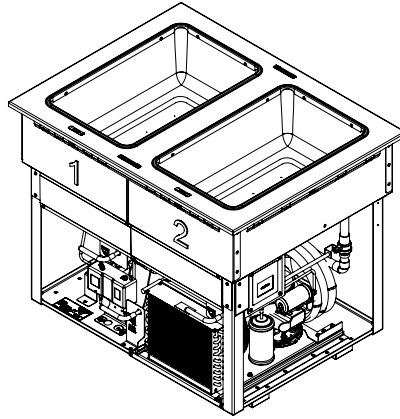


Your Solutions Partner

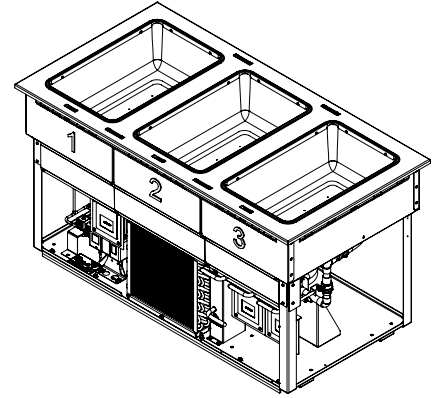
Illustrated Parts List



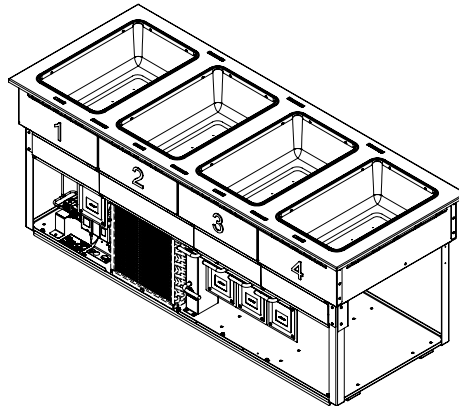
HCF-1



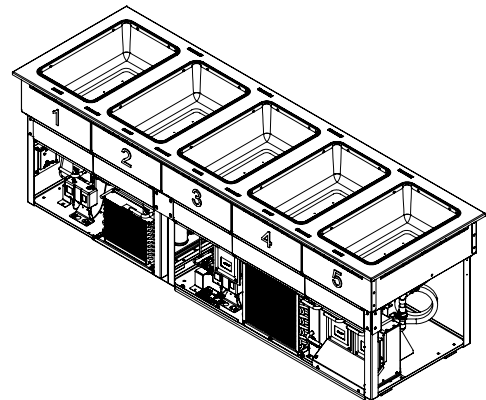
HCF-2



HCF-3



HCF-4



HCF-5

HOT COLD FREEZE UNITS MODELS

HCF-1, HCF-2, HCF-3, HCF-4 & HCF-5

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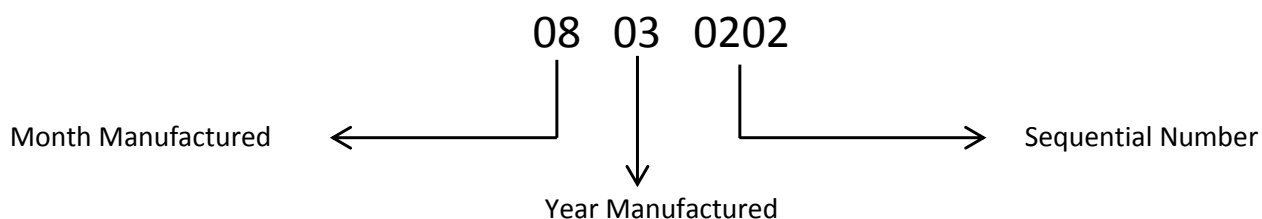
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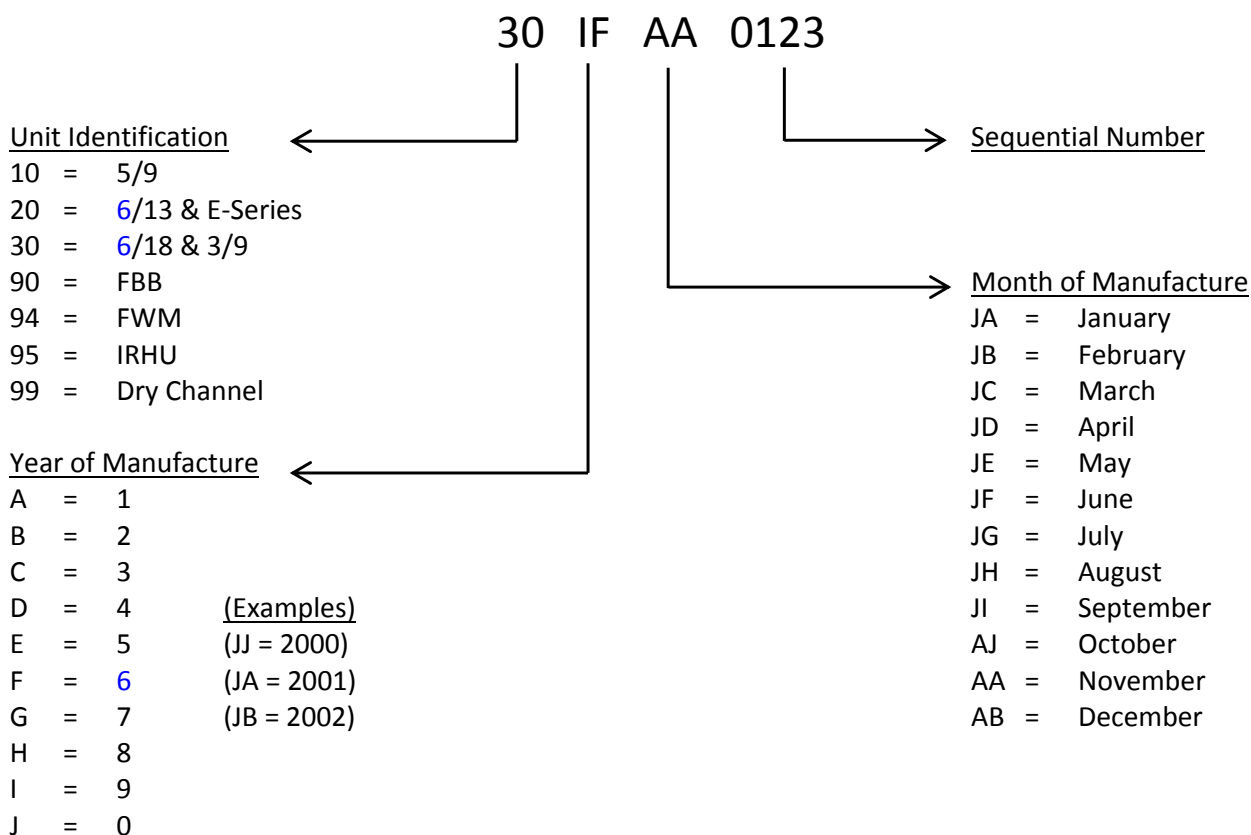
How to Determine Manufacture Date from Duke Equipment Serial Numbers

All units currently manufactured in St. Louis and Sedalia, Missouri (After 2/1/2013):

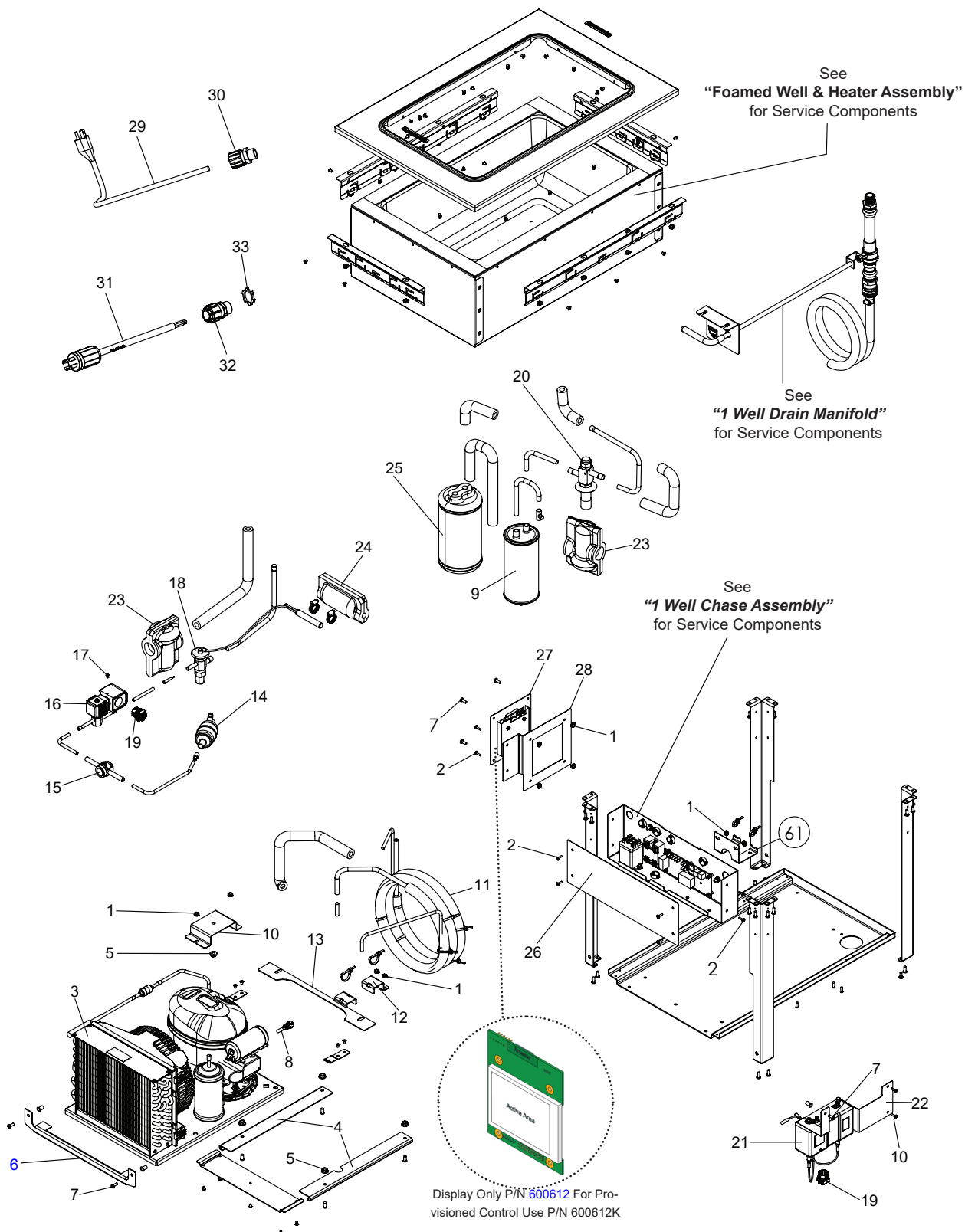


(Example: 08030202 = Indicates the unit was manufactured in August of 2003)

Units Manufactured in St. Louis, Missouri (Before 2/1/2013):



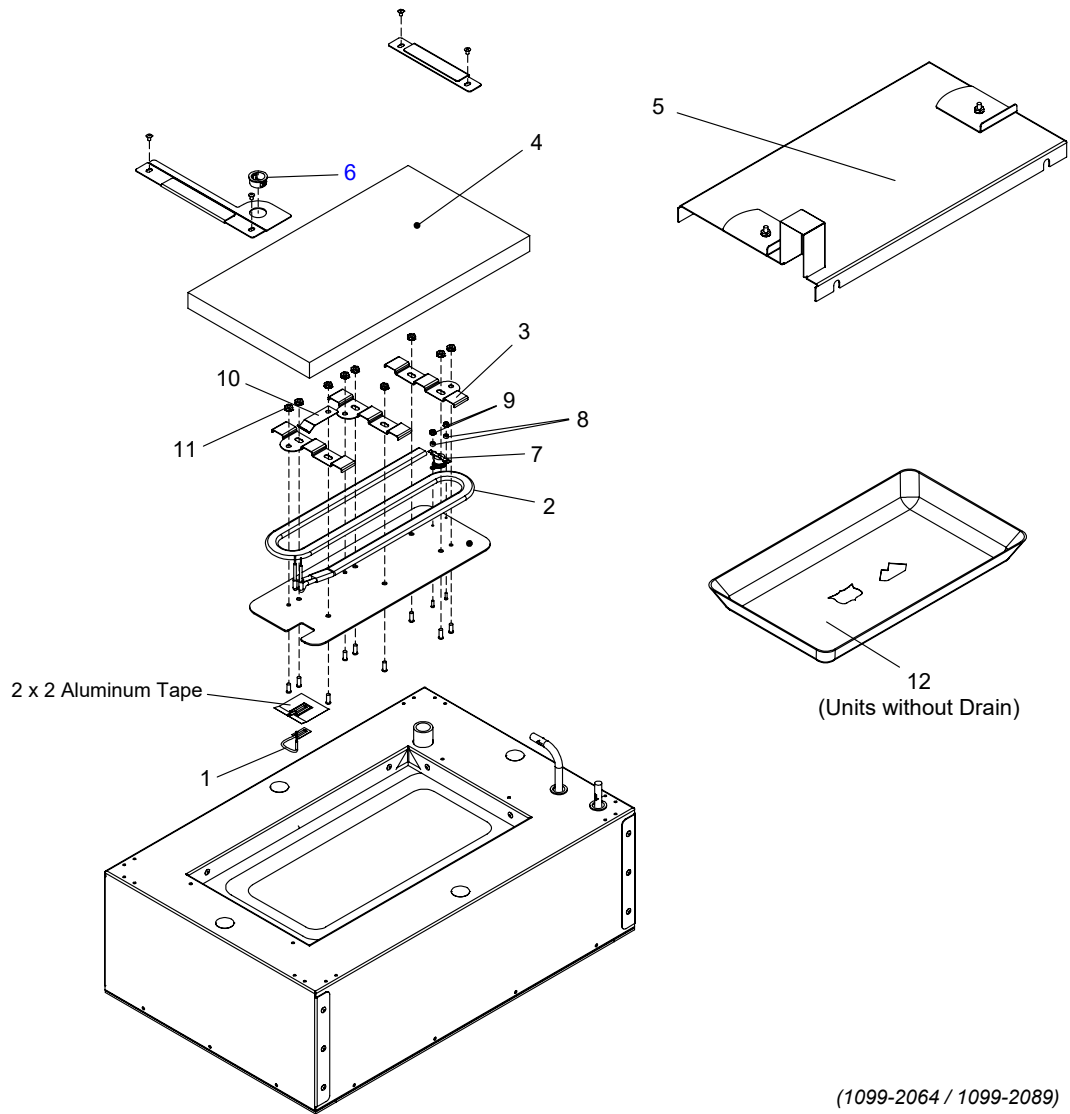
HOT COLD FREEZE - 1 WELL UNIT



HOT COLD FREEZE - 1 WELL UNIT

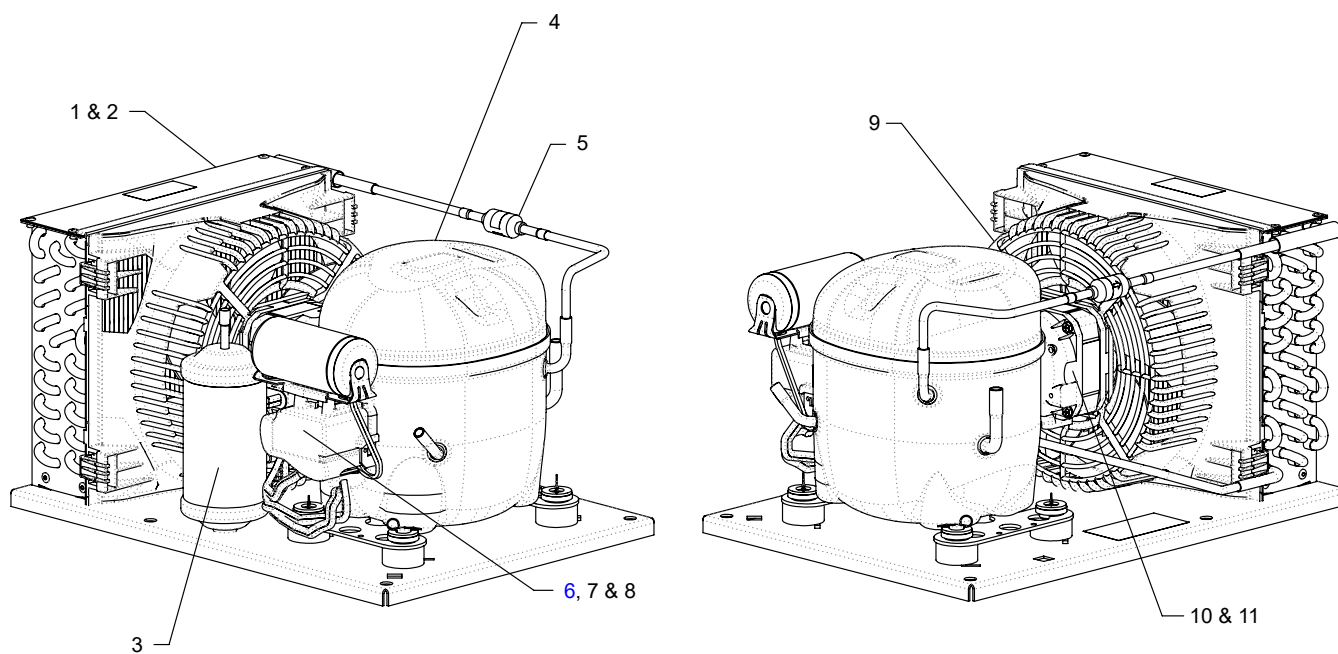
Item	Part #	Description	Qty
1	213322	Nut Keps 10-24, Stainless	22
2	213032	Screw, 8-18 X 1/2" Tek Phil	10
3	516825	Condenser Unit (Hcf-1 & 2) 120v 60hz (See "516825 Condensing Unit")	1
4	1099-0384-5K	Service-Upper Slides, Left & Right (<i>Pem Studs Installed</i>)	1
5	213042	Nut, 1/4-20 Serrated Zinc	5
6	1099-0387	Cond. Unit Front Bracket	1
7	213064	Screw, 10-24 X 1/2" Tcs Rd H	31
8	216547	Valve 1/4 Schrader Refrigeration	1
9	226117	Accumulator, Sporlan 3" Dia. 3/8" Fittings 1bs	1
10	1099-0388	Accumulator Bracket	10
11	1099-2066K	Service Part-Service Loop Assembly	1
12	1099-0363	Service Loop Bracket	1
13	1099-0389	Service Loop Bracket	1
14	226039	Drier, Filter	1
15	216415	Glass, Sight	1
16	216553	Solenoid, Refrigeration W/Coil 120v	1
17	512901	Screw, 6-32x1/4"Pn Ph Bo-Tap Tite Thrd Rlg Black Oxide	1
18	526315-2	Valve 526315 Adjusted On Flow Bench	1
19	222101	Bushing, Heyco 1280 Strain Relief	2
20	226045	Valve, Sporlan Cro-4-07/75 3x3 Odf	1
21	216891-1	Preset Dual Pressure Switch	1
22	1099-0287	Dual Pressure Switch Bracket	1
23	216859	Insulation, Txv Wrap	2
24	216860	Insulation, Txv Bulb	1
25	526805	Insulation, Accumulator 3" Dia. 3/8" Fittings	1
26	1099-0285	One Well Chase Cover	1
*27	600612	Kit, loc-G ELC0837 Only Board Replacement (See: Table 1 on Page 33)	1
28	1099-0405	Tube Support Bracket	1
29	212170	Cord, With Plug 5-15 14/3 6 Ft 15a 1ph	1
30	212117	Strain Relief, With 1/2" Lock Nut	1
31	ELC0156	Nema L140p Molded Power Cord	1
32	115357	Connector, 3/4" Liquidtight N.m .500-.750 Grip Range	1
33	167568	Locknut, Conduit 3/4"	1
HCF-1 Well Wire Harness List (Ref. 1099-2059)			
Not Shown	ELC0376	Harness, loa To Refrig Valve 30"	1
Not Shown	ELC0380	Jumper, loa Ssr Trigger	1
Not Shown	ELC0545	Jumper – 1 Ssr Trigger loa	1
Not Shown	ELC0465	Jumper, Cntl To UI Pressure Sw-Hcf	1
Not Shown	ELC0543	Jumper-Can & 5v	1
Not Shown	ELC0566	Wire - Red, 16awg, Partical Strip To #10 Eyelet	1
Not Shown	ELC0625	Harness – Box To loc-G Pcb 72"	1
Not Shown	ELC0796	Harness - Hcf Well 1	1
Not Shown	ELC0817	Jumper - L1, Well 1 To Well 3 Hcf	1
Not Shown	ELC0821	Jumper Terminal Block Bypass	1
Not Shown	ELC0847	Harness - Box To loc-G Pcb 10"	1
Not Shown	ELC0571	Splice Connector, Wago 2-Position, 20-10awg, 50/Box	2

HOT COLD FREEZE - FOAMED WELL & HEATER ASSEMBLY



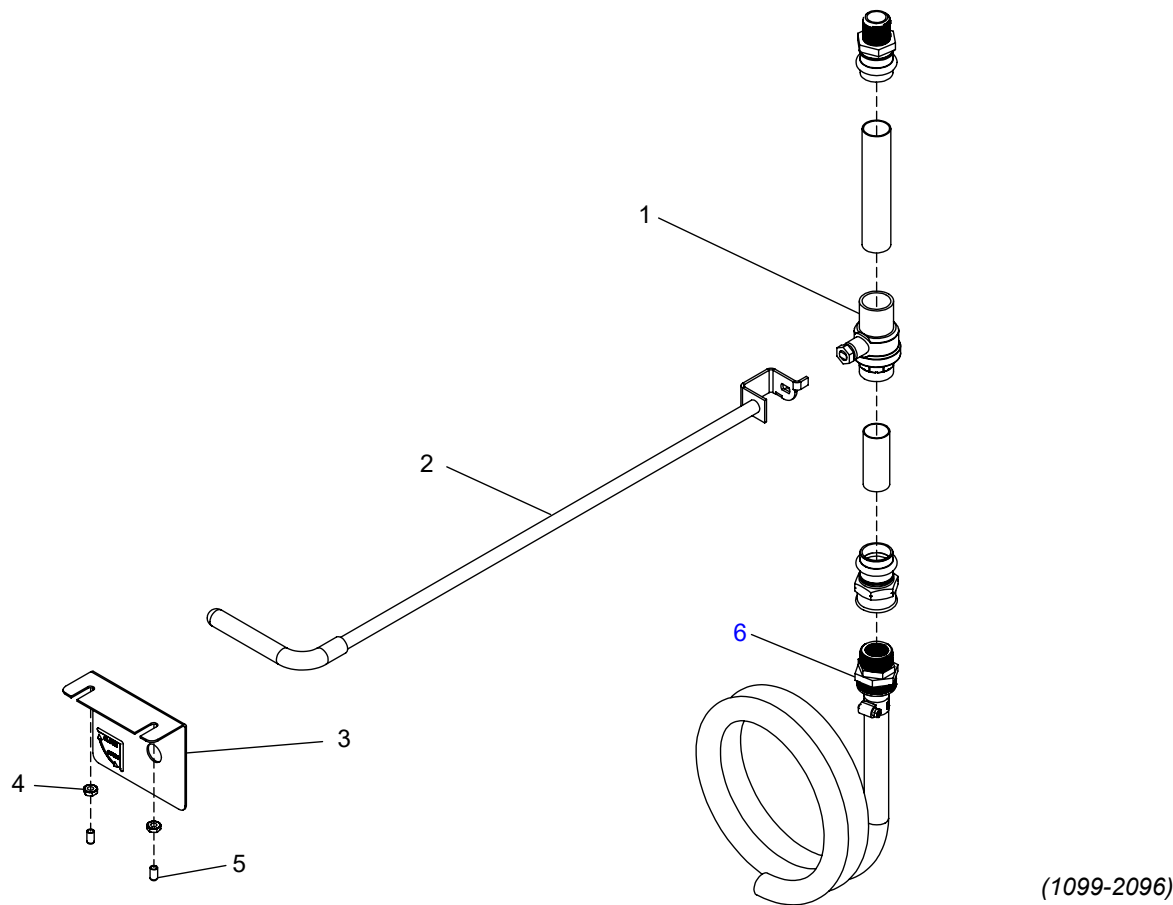
Item	Part #	Description	Qty
1	158278	RTD Assembly, 1000 Ohm 34" Leads	1
2	524831	Element, Firebar 120V 625W, 5/8" W/24" Leads, Formed	1
3	1099-0182	Firebar Heater Bracket	3
4	226758	Insulation, Mineral Wool 1" X 8-7/8" X 16-1/8"	1
5	1099-2054K	Service Replacement, Heater Cover Assembly	1
6	212023	Bushing, Heyco	1
7	226759	Thermostat, Hi-Limit	1
8	523045	Spacer, Round #4 Aluminum 1/8"	2
9	213455	Nut, Keps 4-40 Hex Zinc	2
10	1099-0415	RTD Tension Clip	1
11	213322	Nut Keps 10-24, Stainless	
12	524860	Liner, Silicone, Heated Well, W/Logo (Units Without Drain)	1

HOT COLD FREEZE - 516825 CONDENSING UNIT



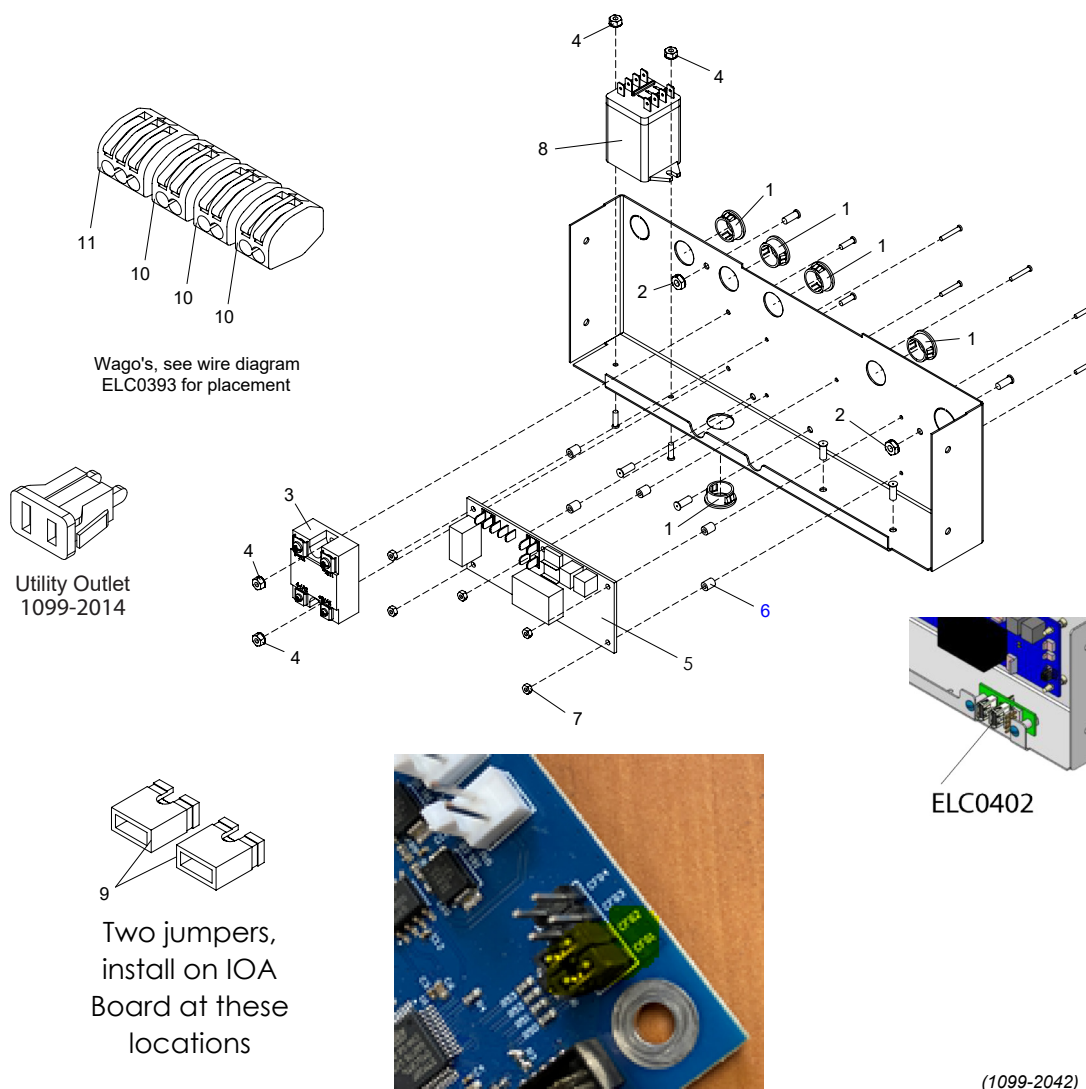
Item	Part #	Description	Qty
1	527819	Coil, Condenser	1
2	527821	Fan Guard, Condenser Coil	1
3	527818	Reciever	1
4	516832	Compressor	1
5	527894	Check Valve	1
6	527114	Start Capacitor	1
7	227842	Relay	1
8	227841	Overload Protector	1
9	527822	Fan Guard Shroud	1
10	527117	Fan Motor	1
11	227845	Fan Blade	1

HOT COLD FREEZE - 1 WELL DRAIN MANIFIOLD



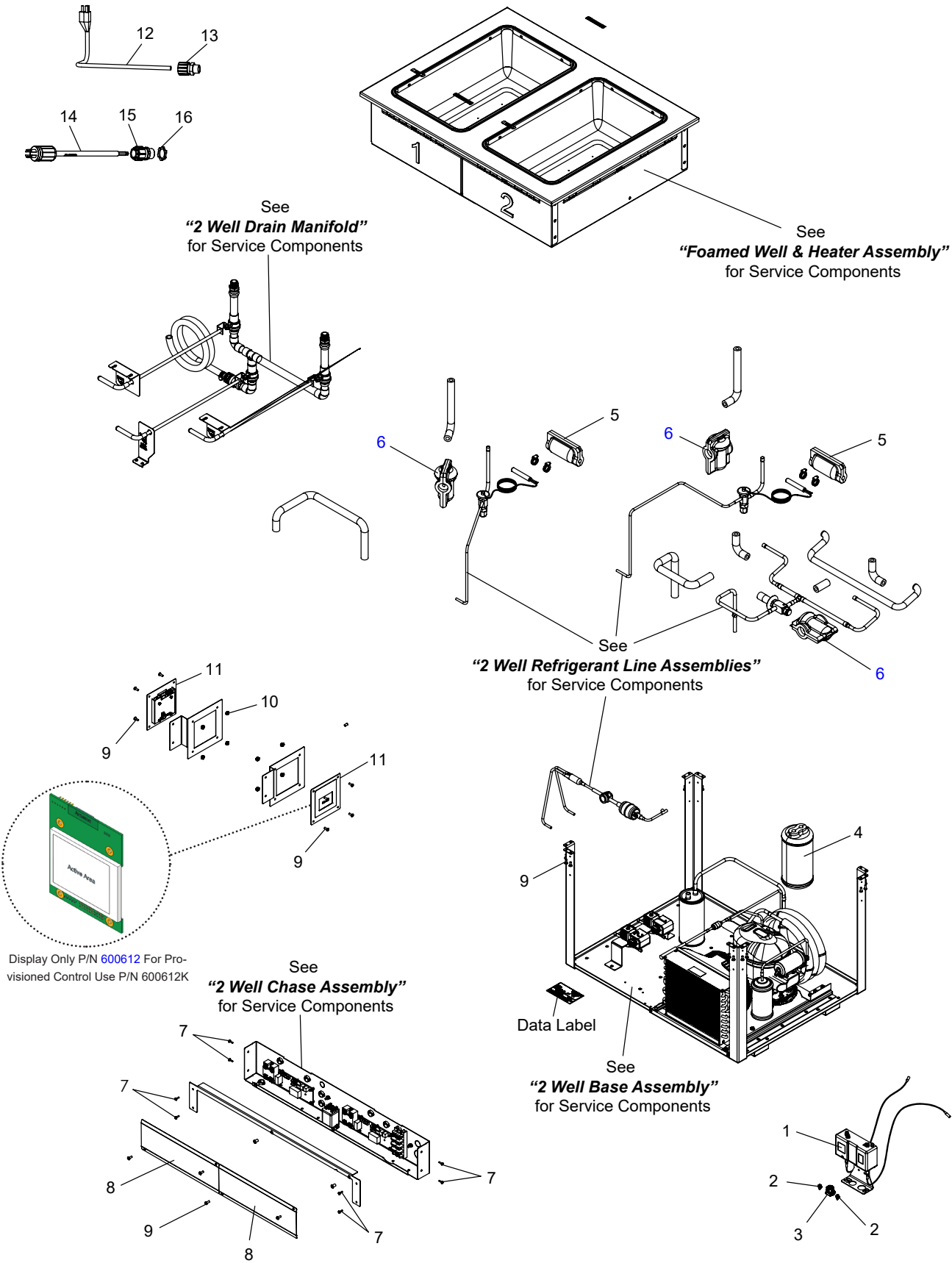
Item	Part #	Description	Qty
1	215381	Valve, Ball 3/4" Copper Sweat	1
2	T998071K	Service, Drain Handle Assembly	1
3	1099-0442	Drain Bracket	1
4	213322	Nut Keps 10-24, Stainless	2
5	213326	Cap, Plastic-Thread Cover Black, .172-.375 Size	2
6	1099-2099	Drain Hose Assembly	1

HOT COLD FREEZE - 1 WELL CHASE ASSEMBLY



Item	Part #	Description	Qty
1	155773	Bushing Heyco, 3/4	5
2	213322	Nut Keps 10-24, Stainless	2
3	600373	Kit, Solid State Relay Replacement	1
4	653035	Nut, 6-32 Kep Zinc Plated	4
*5	600586	Kit, loa ELC0805 Only Board Replacement (See: Table 1 on Page 33)	1
6	166100	Spacer, Tube Nylon 0.250d X 0.125id X 0.375h	5
7	112807	Nut, 4-40 Locknut Nylon Insert Thin Pattern Zinc Plated	5
8	290432	Picker Relay Replacement Kit	1
9	ELC0451	Shunt, Jumper 2-Pos	2
10	155811	Connector, Wago 222-412, 2 Conductor	3
11	212107	Connector, Wago 222-413, 3 Conductor	1
NS	ELC0402	Pcb Can & Display Connect - loa	1
NS	ELC0575	Utility Outlet Snap-In, Nema 1-15r	OPT

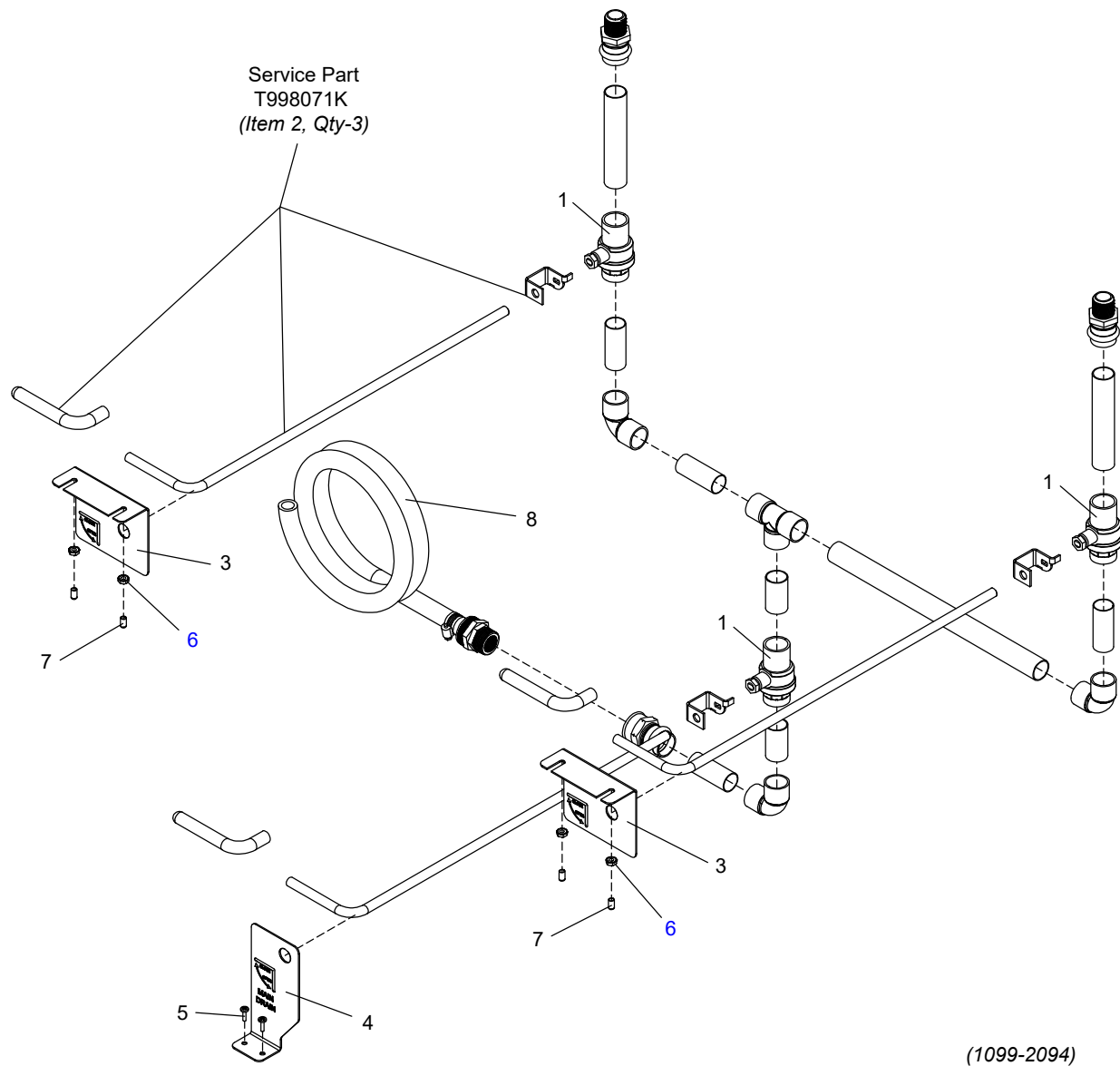
HOT COLD FREEZE - 2 WELL UNIT



HOT COLD FREEZE - 2 WELL UNIT

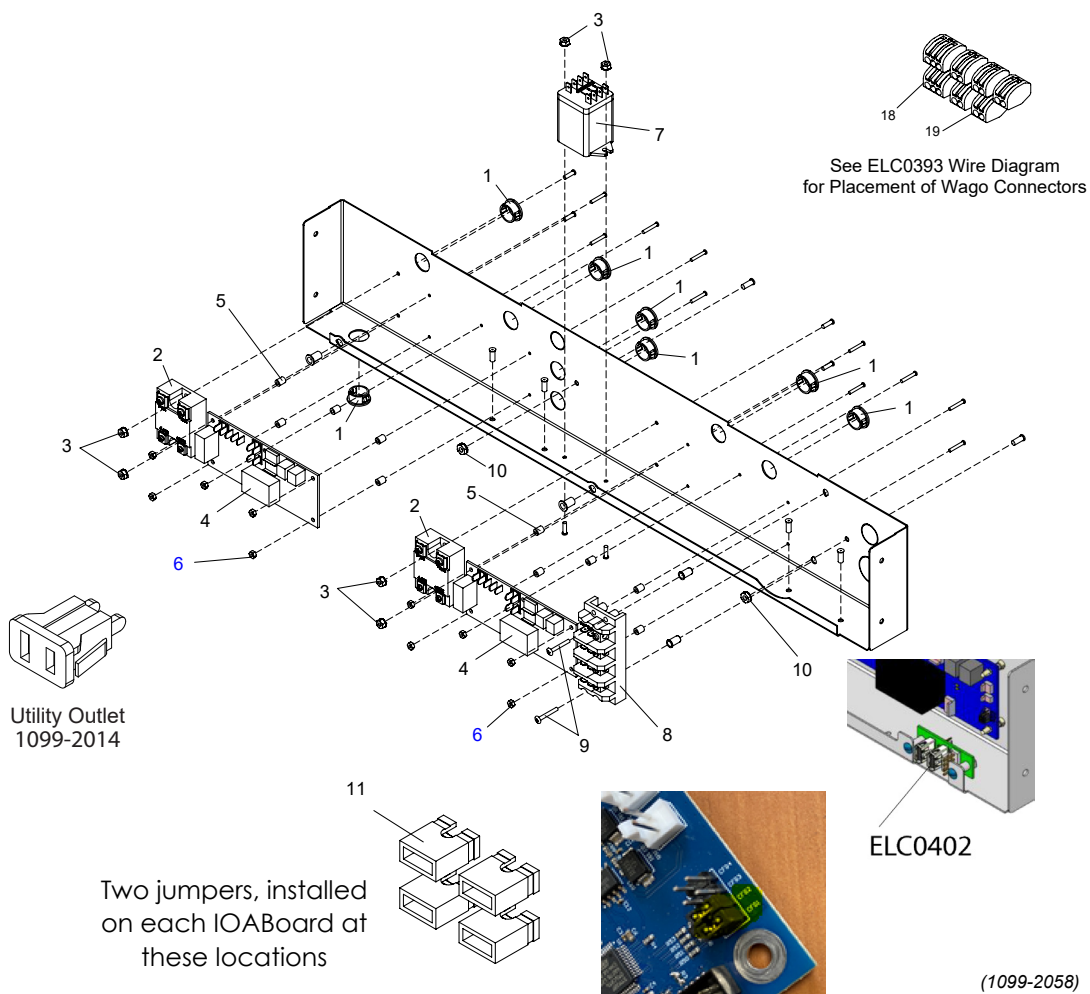
Item	Part #	Description	Qty
1	216891-1	Preset Dual Pressure Switch	1
2	169781	Screw, 10-24 X 3/8" Flg Head Ser Ss	2
3	222101	Bushing, Heyco 1280 Strain Relief	1
4	526805	Insulation, Accumulator 3" Dia. 3/8" Fittings	1
5	216860	Insulation, Txv Bulb	2
6	216859	Insulation, Txv Wrap	3
7	213032	Screw, 8-18 X 1/2" Tek Phil	8
8	1099-0376	Chase Cover, 2 Well	2
9	213064	Screw, 10-24 X 1/2" Tcs Rd H	28
10	213322	Nut Keps 10-24, Stainless	8
*11	600612	Kit, loc-G ELC0837 Only Board Replacement (See: Table 1 on Page 33)	2
12	212170	Cord, W/Plug 5-15 14/3 6 Ft 15a 1ph	1
13	212117	Strain Relief, W/1/2" Lock Nut Shc1022cr	1
14	ELC0156	Nema L14-20p Molded Power Cord	1
15	115357	Connector, 3/4" Liquidtight	1
16	167568	Locknut, Conduit 3/4"	1
HCF-2 Well Wire Harness List (Ref. 1099-2060)			
Not Shown	ELC0376	Harness, loa To Refrig Valve 30"	1
Not Shown	ELC0377	Harness, loa To Refrig Valve 40"	1
Not Shown	ELC0380	Jumper, loa Ssr Trigger	2
Not Shown	ELC0382	Jumper, Compressor Cntl	1
Not Shown	ELC0454	Jumper, High Limit	2
Not Shown	ELC0465	Jumper, Cntl To UI Pressure Sw-Hcf	1
Not Shown	ELC0543	Jumper-Can & 5v	2
Not Shown	ELC0566	Wire - Red, 16awg, Partical Strip To #10 Eyelet	2
Not Shown	ELC0625	Harness - Box To loc-G Pcb 72"	2
Not Shown	ELC0796	Harness - Hcf Well 1	1
Not Shown	ELC0797	Harness - Hcf Wells 2, 3, & 4	1
Not Shown	ELC0817	Jumper - N, Wells 2,3 & 4 Hcf	1
Not Shown	ELC0818	Jumper - N, Wells 2,3 & 4 Hcf	1
Not Shown	ELC0819	Jumper - L2, Hcf Well 2	1
Not Shown	ELC0846	Cable Usb - A Male To Usb - A Male 1.6 Ft	1
Not Shown	ELC0847	Harness - Box To loc-G Pcb 10"	2
Not Shown	ELC0571	Splice Connector, Wago 2-Position, 20-10awg, 50/Box	3

HOT COLD FREEZE - 2 WELL DRAIN MANIFOLD



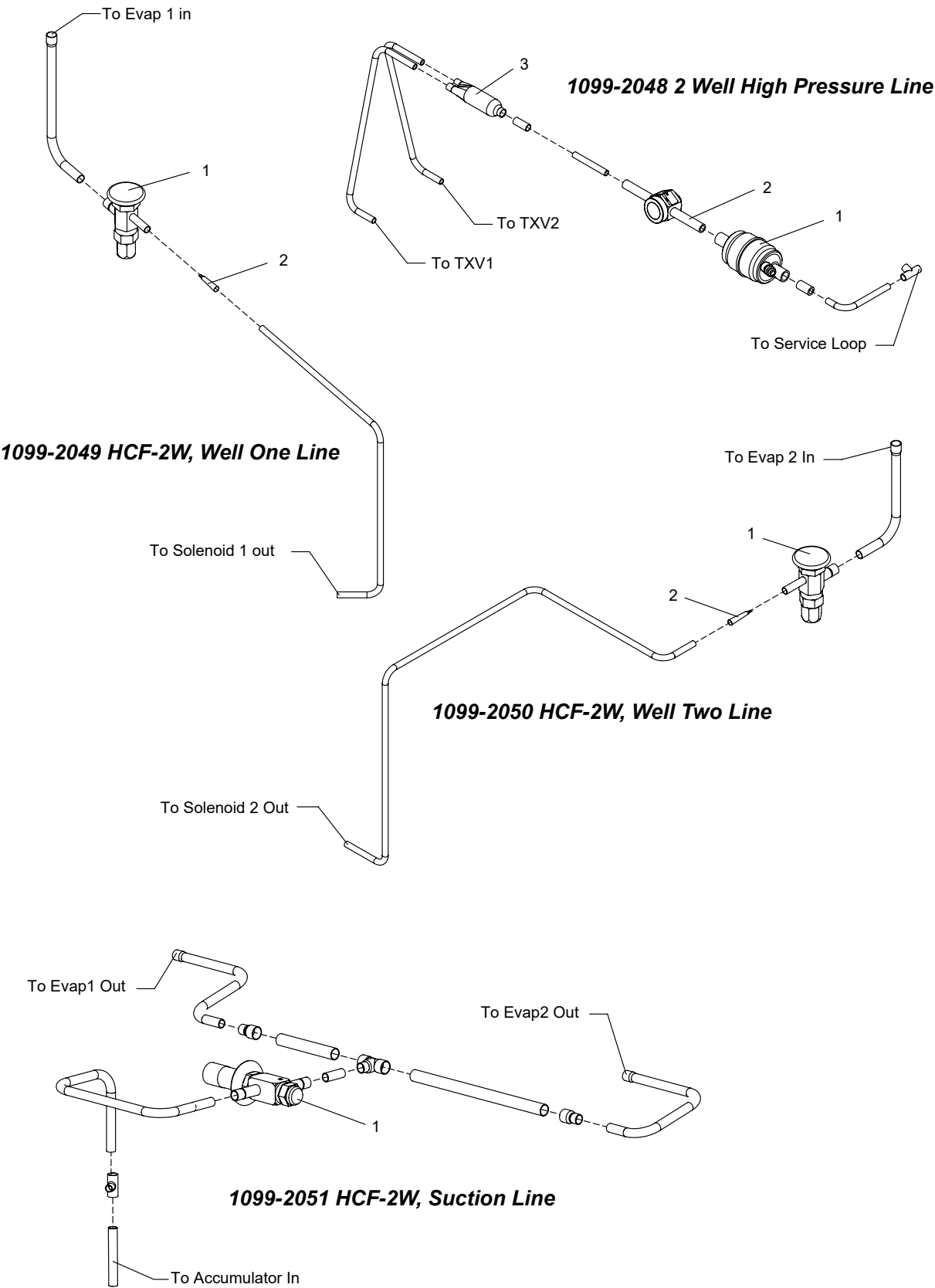
Item	Part #	Description	Qty
1	215381	Valve, Ball 3/4" Copper Sweat	3
2	T998071K	Service, Drain Handle Assembly	3
3	1099-0442	Drain Bracket	2
4	1099-0443	Drain Bracket	1
5	213032	SCREW, 8-18 X 1/2" TEK PHIL	2
6	213322	Nut Keps 10-24, Stainless	4
7	213326	Cap, Plastic-Thread Cover Black, .172-.375 Size	4
8	1099-2099	Drain Hose Assembly	1

HOT COLD FREEZE - 2 WELL CHASE ASSEMBLY



Item	Part #	Description	Qty
1	155773	Bushing Heyco, 3/4	7
2	600373	Kit, Solid State Relay Replacement	2
3	653035	Nut, 6-32 Kep Zinc Plated	6
*4	600586	Kit, loa ELC0805 Only Board Replacement (See: Table 1 on Page 33)	2
5	166100	Pacer, Tube Nylon .25od X .125id X .375h	10
6	112807	Nut, 4-40 Locknut Nylon Insert Thin Pattern Zinc Plated	10
7	290432	Picker Relay Replacement Kit	1
8	120001	Block, Terminal 4 Pole	1
9	10280000	Screw, 8-32 X 1"Tr Ph Ss Machine	2
10	213322	Nut Keps 10-24, Stainless	2
11	ELC0451	Shunt, Jumper 2-Position	4
12	212107	Connetor, Wago 222-413, 3 Conductor	2
13	155811	Connetor, Wago 222-412, 2 Conductor	5
NS	ELC0402	Pcb Can & Display Connect - loa	2
NS	ELC0575	Utility Outlet Snap-In, Nema 1-15r	OPT

HOT COLD FREEZE - 2 WELL REFRIGERANT LINE ASSEMBLIES



HOT COLD FREEZE - 2 WELL REFRIGERANT LINE ASSMBLIES

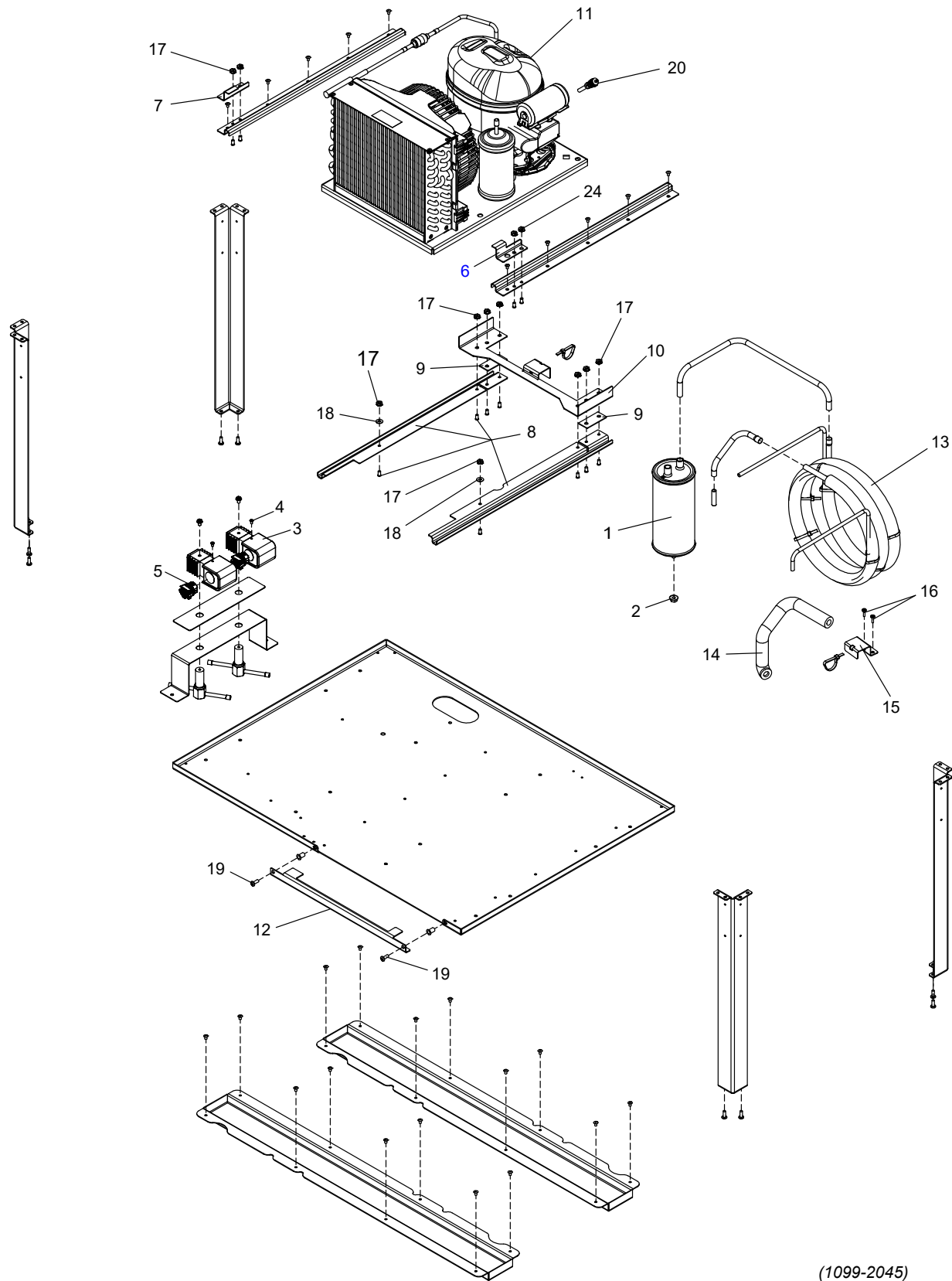
1099-2048 2 WELL HIGH PRESSURE LINE			
Item	Part #	Description	Qty
1	226039	Drier, Filter	1
2	216415	Sight Glass	1
3	226832	Distributor	1

1099-2049 HCF-2W, WELL ONE LINE			
Item	Part #	Description	Qty
1	526315-2	Valve 526315 Adjusted On Flow Bench	1
2	226959	Strainer, #1543-002 Screen, 1/4 Odf	1

1099-2050 HCF-2W, WELL TWO LINE			
Item	Part #	Description	Qty
1	526315-2	Valve 526315 adjusted on Flow Bench	1
2	226959	STRAINER, #1543-002 SCREEN, 1/4 ODF	1

1099-2051 HCF-2W, SUCTION LINE			
Item	Part #	Description	Qty
1	226045	VALVE, SPORLAN CRO-4-07/75 3X3 ODF	1

HOT COLD FREEZE - 2 WELL BASE ASSEMBLY

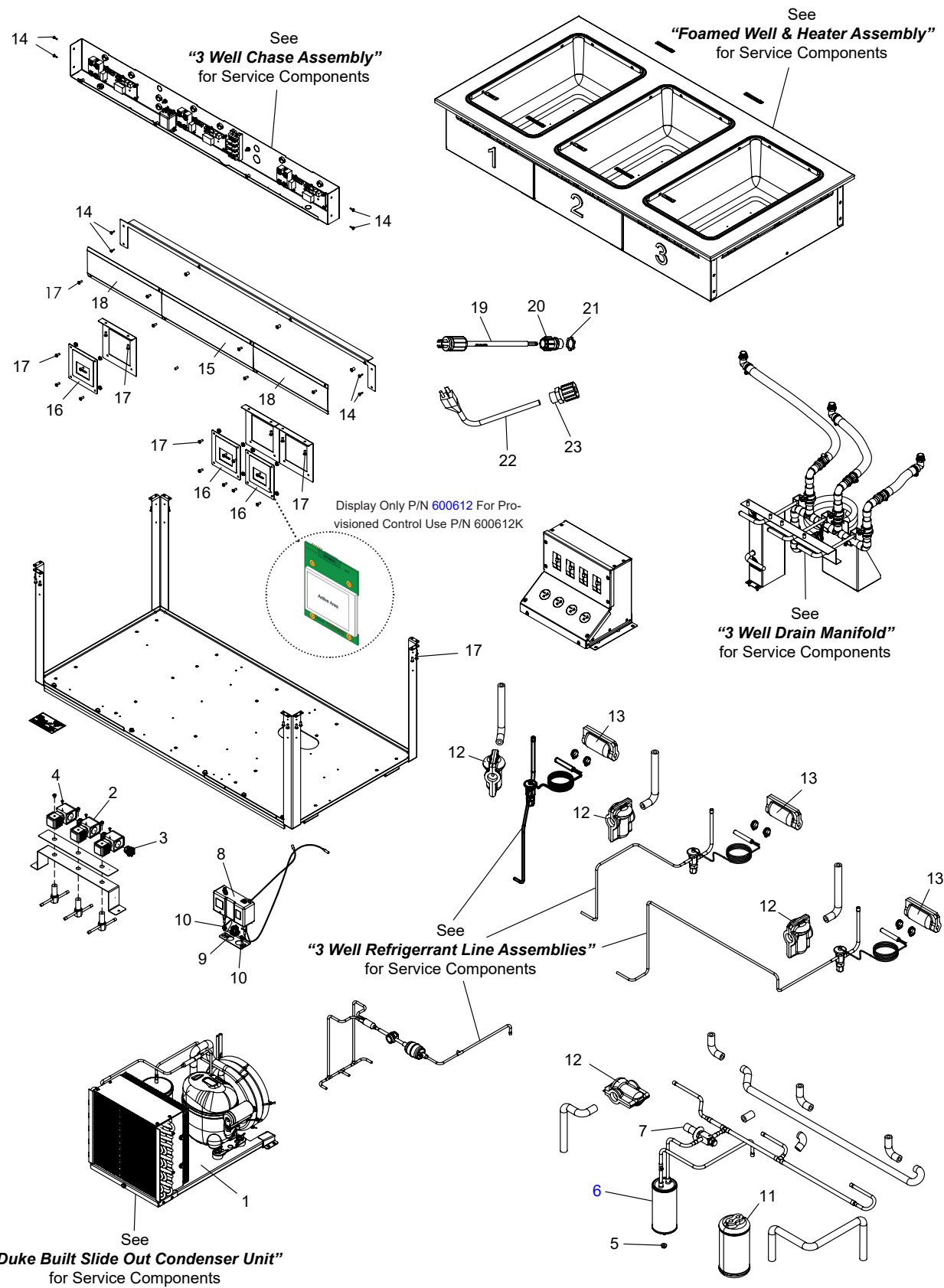


(1099-2045)

HOT COLD FREEZE - 2 WELL BASE ASSEMBLY

Item	Part #	Description	Qty
1	226117	Accumulator, Sporlan 3" Dia. 3/8" Fittings 1bs	1
2	213042	Nut, 1/4-20 Serrated Zinc	1
3	216553	Solenoid, Refrigeration W/Coil 120v	2
4	512901	Screw, 6-32 X 1/4" Pan Headtrilobular, Thread Rolling	2
5	222101	Bushing, Heyco 1280 Strain Relief	2
6	1099-0358	Condenser Unit Slide Stop Angle	1
7	1099-0359	Condenser Unit Slide Stop Angle, Mirror	1
8	1099-0356-7K	Service-Cond. Unit Slide, Inner & Mirror (<i>Pem Studs Installed</i>)	1
9	1099-0360	Condenser Unit Slide Spacer	2
10	1099-0361	Condenser Unit Slide Support	1
11	516825	Condenser Unit (Hcf-1 & 2) 120v 60hz (<i>See "516825 Condensing Unit"</i>)	1
12	1099-0362	Condenser Unit Restraint Bracket	1
13	1099-2057K	Service Part-Service Loop Assembly	1
14	1099-0367	Insulation, Tube Service Loop	1
15	1099-0363	Service Loop Bracket	1
16	213032	Screw, 8-18 X 1/2" Tek Phil	2
17	213322	Nut Keps 10-24, Stainless	12
18	213056	Washer, 10 Flat Zinc	2
19	213064	Screw, 10-24 X 1/2" Tcs Rd H	10
20	216547	Valve 1/4 Schrader Refrigeration	1

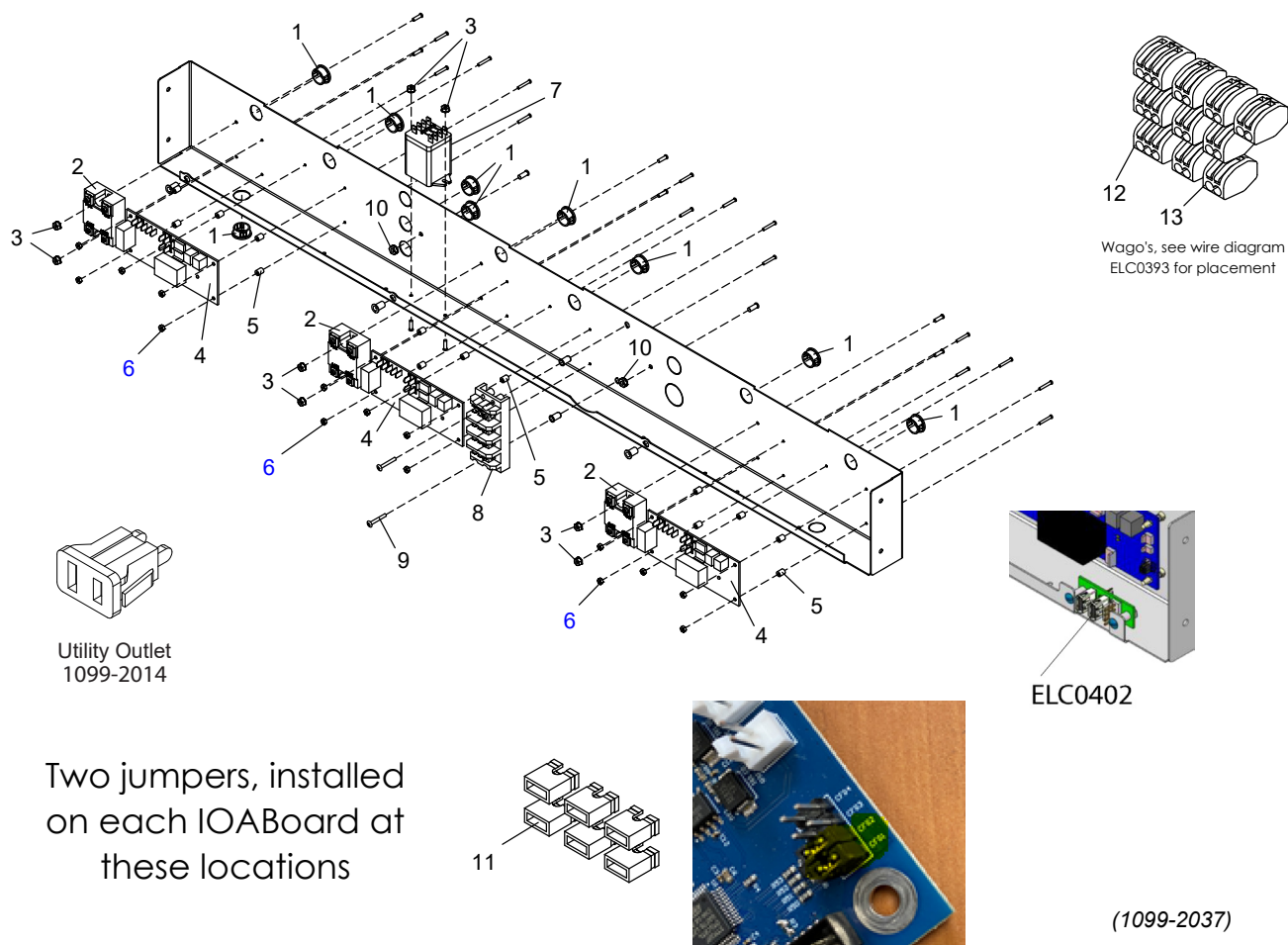
HOT COLD FREEZE - 3 WELL UNIT



HOT COLD FREEZE - 3 WELL UNIT

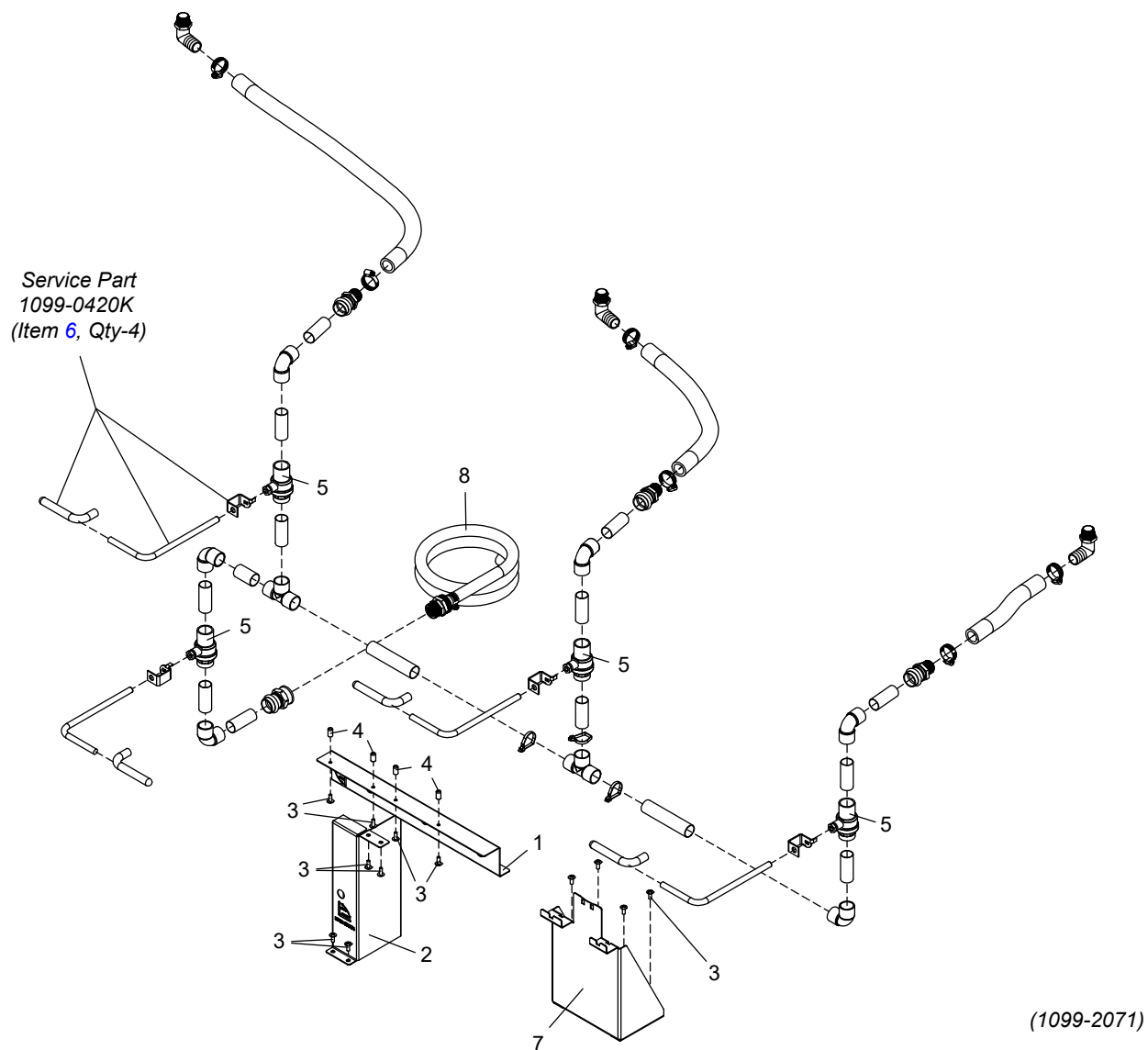
Item	Part #	Description	Qty
1	1099-2055K	Service-Condensing Unit, Slide Out, Duke Built	1
2	216553	Solenoid, Refrig W/Coil 120v	3
3	222101	Bushing, Heyco 1280 Strain Relief	3
4	512901	Screw, 6-32 X 1/4" Pn Ph Bo-Tap Tite Thrd Rlg Black Oxide	3
5	213042	Nut, 1/4-20 Serrated Zinc	5
6	226117	Accumulator, Sporlan 3" Dia. 3/8" Fittings 1bs	1
7	226045	Valve, Sporlan Cro-4-07/75 3x3 Odf	1
8	216891-1	Preset Dual Pressure Switch	1
9	222101	Bushing, Heyco 1280 Strain Relief	1
10	169781	Screw, 10-24 X 3/8" Flg Head Ser Ss	2
11	526805	Insulation, Accumulator 3" Dia. 3/8" Fittings	1
12	216859	Insulation, Txv Wrap	4
13	216860	Insulation, Txv Bulb	3
14	213032	Screw, 8-18 X 1/2" Tek Phil	8
15	1099-0268	Chase Cover, 3 Well, Center	1
*16	600612	Kit, loc-G Elc0837 Only Board Replacement (See: Table 1 on Page 33)	3
17	213064	Screw, 10-24 X 1/2" Tcs Rd H	39
18	1099-0267	Chase Cover, 3 Well, Ends	2
19	ELC0156	Nema L140p Molded Power Cord	1
20	115357	Connector, 3/4" Liquidtight	1
21	167568	Locknut, Conduit 3/4"	1
22	222100	Cord With Plug, 120v, 20a	1
23	212110	Strain Relief With Nut	1
HCF-3 Well Wire Harness List (Ref. 1099-2061)			
Not Shown	ELC0376	Harness, loa To Refrig Valve 30"	1
Not Shown	ELC0377	Harness, loa To Refrig Valve 40"	1
Not Shown	ELC0378	Harness, loa To Refrig Valve 50"	1
Not Shown	ELC0380	Jumper, loa Ssr Trigger	3
Not Shown	ELC0382	Jumper, Compressor Cntl	1
Not Shown	ELC0454	Jumper, High Limit	3
Not Shown	ELC0465	Jumper, Cntl To UI Pressure Sw-Hcf	1
Not Shown	ELC0543	Jumper-Can & 5v	3
Not Shown	ELC0566	Wire - Red, 16awg, Partical Strip To #10 Eyelet	3
Not Shown	ELC0625	Harness - Box To loc-G Pcb 72"	3
Not Shown	ELC0796	Harness - Hcf Well 1	1
Not Shown	ELC0797	Harness - Hcf Wells 2, 3, &4	2
Not Shown	ELC0817	Jumper - L1, Well 1 To Well 3 Hcf	1
Not Shown	ELC0818	Jumper - N, Wells 2,3 & 4 Hcf	2
Not Shown	ELC0819	Jumper - L2, Hcf Well 2	1
Not Shown	ELC0846	Cable Usb - A Male To Usb - A Male 1.6 Ft	2
Not Shown	ELC0847	Harness - Box To loc-G Pcb 10"	3
Not Shown	ELC0571	Splice Connector, Wago 2-Position, 20-10awg, 50/Box	4

HOT COLD FREEZE - 3 WELL CHASE ASSEMBLY



Item	Part #	Description	Qty
1	155773	Bushing Heyco, 3/4	9
2	600373	Kit, Solid State Relay Replacement	3
3	653035	Nut, 6-32 Kep Zinc Plated	8
*4	600586	Kit, loa ELC0805 Only Board Replacement (See: Table 1 on Page 33)	3
5	166100	Spacer, Tube Nylon 0.25od X 0.125id X 0.375h	15
6	112807	Nut, 4-40 Locknut Nylon Insert Thin Pattern Zinc Plated	15
7	290432	Picker Relay Replacement Kit	1
8	120001	Block, Terminal 4 Pole	1
9	10280000	Screw, 8-32 X 1"Tr Ph Ss Machine	2
10	213322	Nut Keps 10-24, Stainless	2
11	ELC0451	Shunt, Jumper 2-Position	6
12	212107	Connector, Wago 222-413, 3 Conductor	3
13	155811	Connector, Wago 222-412, 2 Conductor	7
NS	ELC0402	Pcb Can & Display Connect - loa	3
NS	ELC0575	Utility Outlet Snap-In, Nema 1-15r	OPT

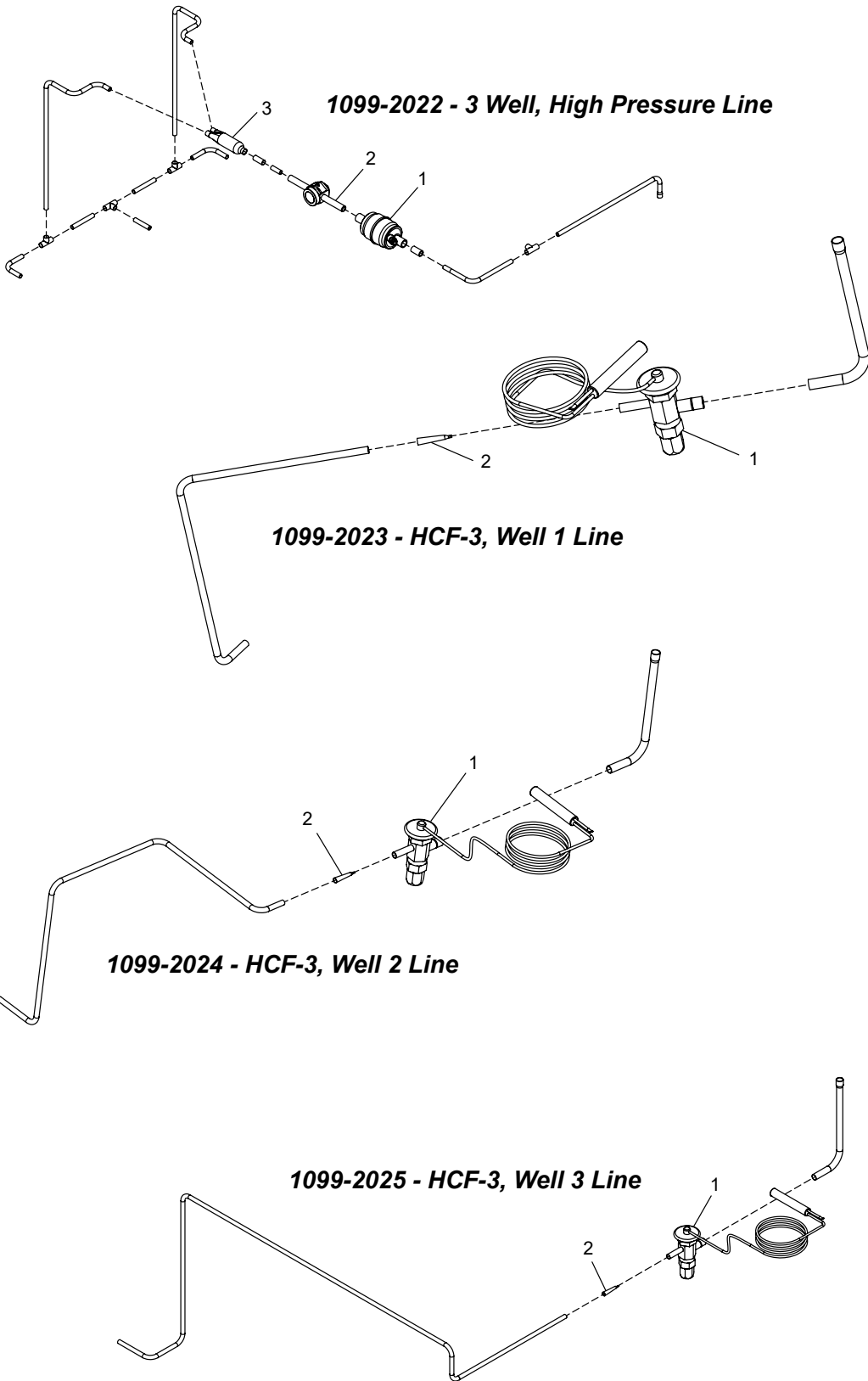
HOT COLD FREEZE - 3 WELL DRAIN MANIFOLD



Item	Part #	Description	Qty
1	1099-0432	Hcf Icb Drain Lever Bracket	1
2	1099-0433	Hcf Icb Main Drain Bracket	1
3	213027	Screw, 10-24 X 1/2" Pthms S/S	12
4	213326	Cap, Plastic-Thread Cover Black, .172-.375 Size	4
5	215381	Valve, Ball 3/4" Copper Sweat	4
6	1099-0420K	Service-Hcf Icb Drain Handle	4
7	1099-0435	Hcf Icb Drain Manifold Bracket	1
8	1099-2099	DRAIN HOSE ASSEMBLY	1



HOT COLD FREEZE - 3 WELL REFRIGERANT LINE ASSEMBLIES



HOT COLD FREEZE - 3 WELL REFRIGERANT LINE ASSEMBLIES

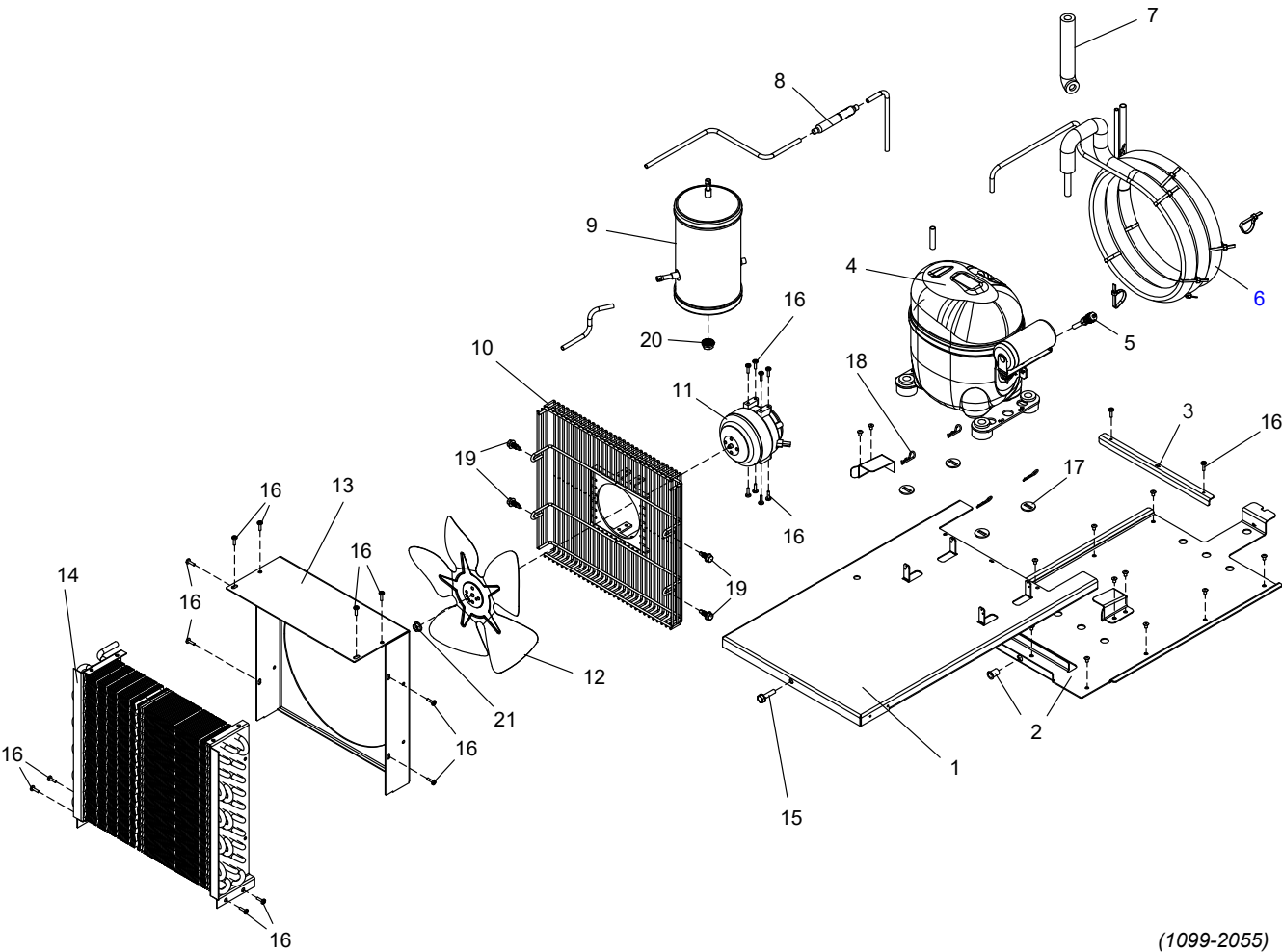
1099-2022 - 3 WELL, HIGH PRESSURE LINE			
Item	Part #	Description	Qty
1	226039	Drier, Filter	1
2	216415	Glass, Sight	1
3	226832	Distributor	1

1099-2023 - HCF-3, WELL 1 LINE			
Item	Part #	Description	Qty
1	526315-2	Valve 526315 Adjusted On Flow Bench	1
2	226959	Strainer, #1543-002 Screen, 1/4 Odf	1

1099-2024 - HCF-3, WELL 2 LINE			
Item	Part #	Description	Qty
1	526315-2	Valve 526315 Adjusted On Flow Bench	1
2	226959	Strainer, #1543-002 Screen, 1/4 Odf	1

1099-2025 - HCF-3, WELL 3 LINE			
Item	Part #	Description	Qty
1	526315-2	Valve 526315 Adjusted On Flow Bench	1
2	226959	Strainer, #1543-002 Screen, 1/4 Odf	1

HOT COLD FREEZE - DUKE BUILT SLIDE OUT CONDENSER UNIT

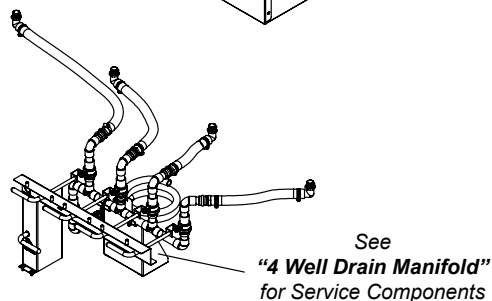
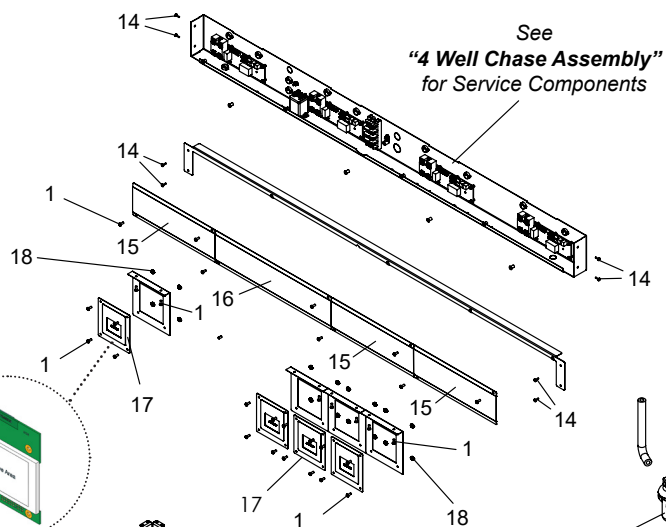
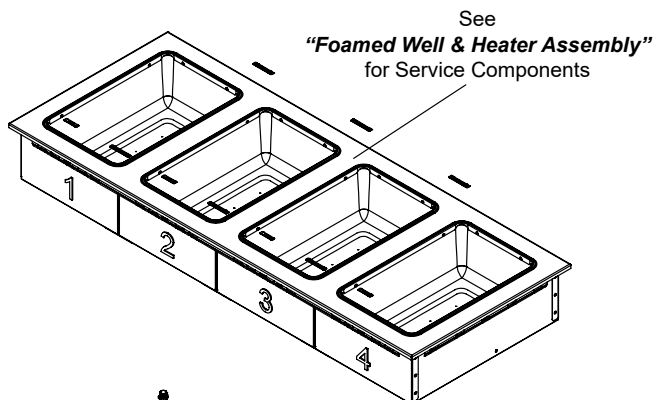
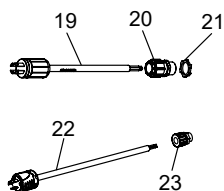


(1099-2055)

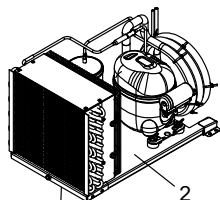
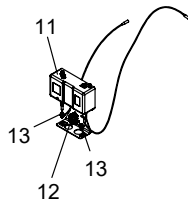
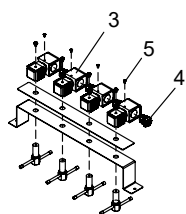
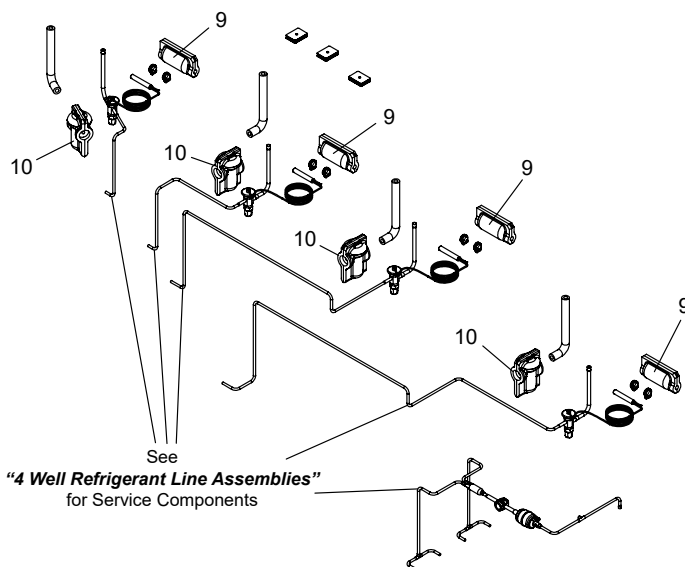
HOT COLD FREEZE - DUKE BUILT SLIDE OUT CONDENSER UNIT

Item	Part #	Description	Qty
1	1099-0338	Condensing Unit Base	1
2	1099-0337k	Service-Condensing Unit Slide Bracket With Nutsert	1
3	1099-0328	Condensing Unit Angle Stop	1
4	527893	Compressor	1
5	216547	Valve 1/4 Schrader	1
6	1099-2054K	Service Part-Service Loop Assembly	1
7	1099-0336	Insulation, Tube Loop To Compressor	1
8	526702	Valve, Check 1/4" Odf. X 1/4"Odf	1
9	524870	Receiver, 1/4 " Connection	1
10	527890	Guard, Fan	1
11	600637	Kit, HCF Fan Motor Replacement - For 527897 Motor, Includes Fan Guard	1
12	527889	Blade, Fan	1
13	1099-0186	Condensing Coil Fan Shroud	1
14	526842	Coil, Condenser	1
15	213024	Screw, 1/4-20 X 1" Thread Form	1
16	213032	Screw, 8 X 1/2 Tek Phil.	22
17	290047	Washer, Compressor	4
18	213217	Clip. Hairpin	4
19	513023	Screw, 1/4-20 X 3/4" lhxw Us Sp Tt	4
20	274702	Nut, 3/8-16 Ss Serrated Flange Hex Locknut	1
21	213042	Nut, 1/4-20 Serrated Zinc	1

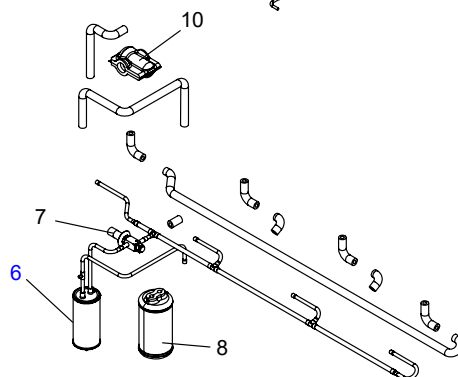
HOT COLD FREEZE - 4 WELL UNIT



Display Only P/N 600612 For Provisioned Control Use P/N 600612K



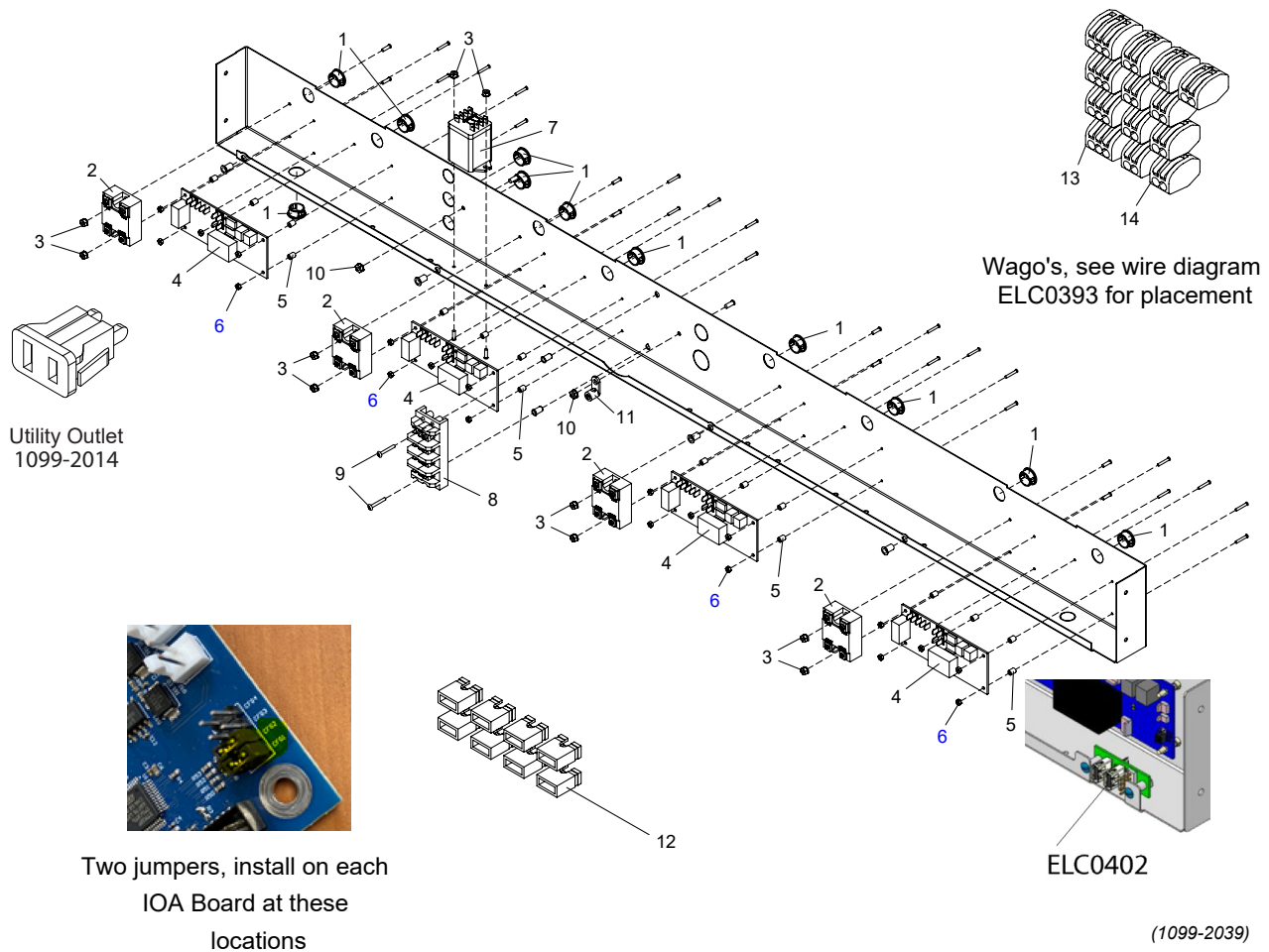
See
"Duke Built Slide Out Condenser Unit"
for Service Components



HOT COLD FREEZE - 4 WELL UNIT

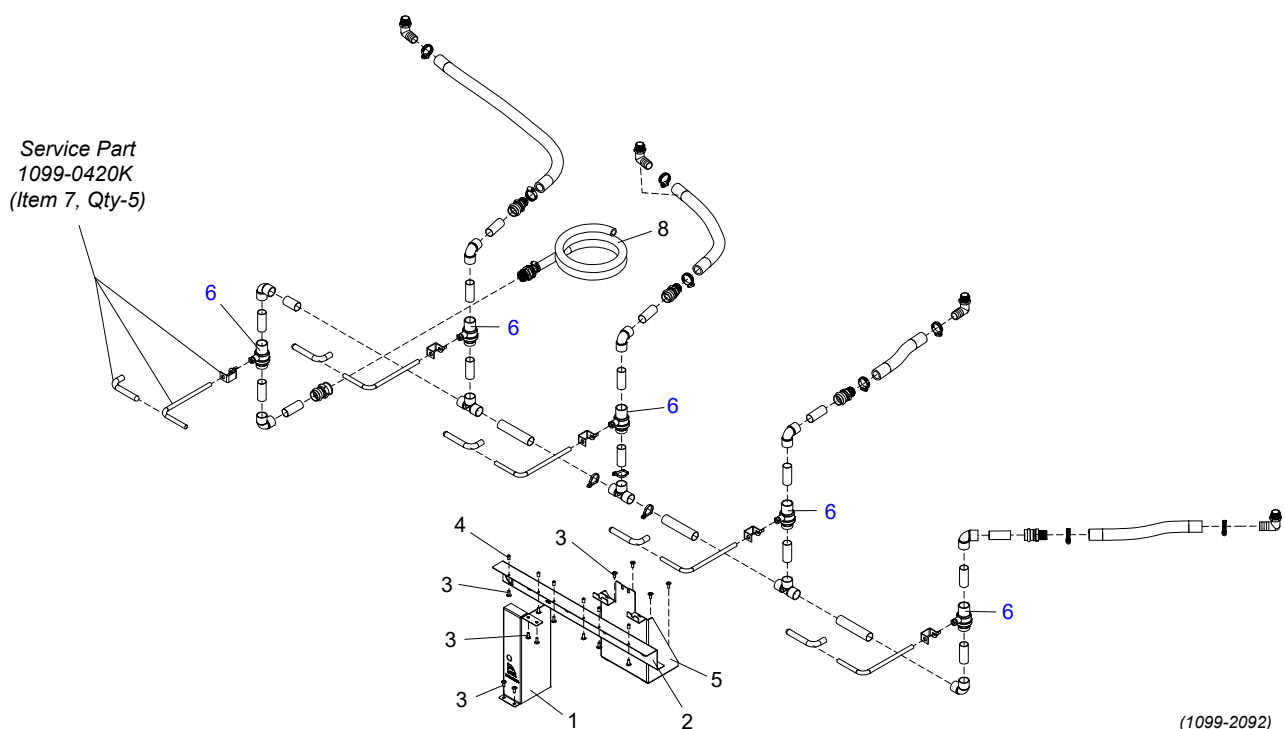
Item	Part #	Description	Qty
1	213064	Screw, 10-24 X 1/2 Phil.	47
2	1099-2055K	Service-Condensing Unit, Slide Out, Duke Built	1
3	216553	Solenoid, Refrig W/Coil 120v	4
4	222101	Bushing, Heyco 1280 Strain Relief	4
5	512901	Screw, 6-32 X 1/4" Pn Ph Bo-Tap Tite Thrd Rlg Black Oxide	4
6	226117	Accumulator, Sporlan 3" Dia. 3/8" Fittings 1bs	1
7	226045	Valve, Sporlan Cro-4-07/75 3x3 Odf	1
8	526805	Insulation, Accumulator 3" Dia. 3/8" Fittings	1
9	216860	Insulation, Txv Bulb	4
10	216859	Insulation, Txv Wrap	5
11	216891-1	Preset Dual Pressure Switch	1
12	222101	Bushing, Heyco 1280 Strain Relief	1
13	169781	Screw, 10-24 X 3/8" Flg Head Ser SS	2
14	213032	Screw, 8-18 X 1/2" Tek Phil	8
15	1099-0267	Chase Cover, 3 Well, Ends	3
16	1099-0275	Chase Cover, 4 Well	1
*17	600612	Kit, loc-G ELC0837 Only Board Replacement (See: Table 1 on Page 33)	4
18	213322	Nut Keps 10-24, Stainless	16
19	ELC0156	Nema L140p Molded Power Cord	1
20	115357	Connector, 3/4" Liquidtight	1
21	167568	Locknut, Conduit 3/4"	1
22	157001	Cord Set, 125v L5-30	1
23	212119	Strain Relief, W/ 3/4" Lock Nut	1
Hcf-4 Well Wire Harness List (Ref. 1099-2062)			
Not Shown	ELC0376	Harness, loa To Refrig Valve 30"	1
Not Shown	ELC0377	Harness, loa To Refrig Valve 40"	1
Not Shown	ELC0378	Harness, loa To Refrig Valve 50"	1
Not Shown	ELC0380	Jumper, loa Ssr Trigger	4
Not Shown	ELC0382	Jumper, Compressor Cntl	1
Not Shown	ELC0396	Harness, loa To Refrig Valve 70"	1
Not Shown	ELC0454	Jumper, High Limit	4
Not Shown	ELC0465	Jumper, Cntl To UI Pressure Sw-Hcf	1
Not Shown	ELC0543	Harness - Box To loc-G Pcb 10"	4
Not Shown	ELC0566	Harness - Box To loc-G Pcb 72"	4
Not Shown	ELC0625	Harness - Box To loc-G Pcb 72"	4
Not Shown	ELC0796	Harness - Hcf Well 1	1
Not Shown	ELC0797	Harness - Hcf Wells 2, 3, & 4	3
Not Shown	ELC0817	Jumper - L1, Well 1 To Well 3 Hcf	1
Not Shown	ELC0818	Jumper - N, Wells 2,3 & 4 Hcf	3
Not Shown	ELC0819	Jumper - L2, Hcf Well 2	1
Not Shown	ELC0820	Jumper - L2, Well 2 To Well 2 Hcf	1
Not Shown	ELC0846	Cable Usb - A Male To Usb - A Male 1.6 Ft	3
Not Shown	ELC0847	Harness - Box To loc-G Pcb 10"	4
Not Shown	ELC0571	Splice Connector, Wago 2-Position, 20-10awg, 50/Box	5

HOT COLD FREEZE - 4 WELL CHASE ASSEMBLY



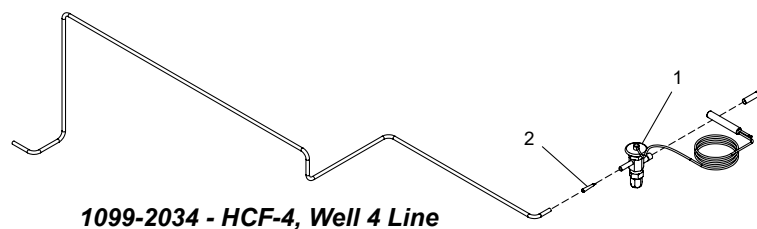
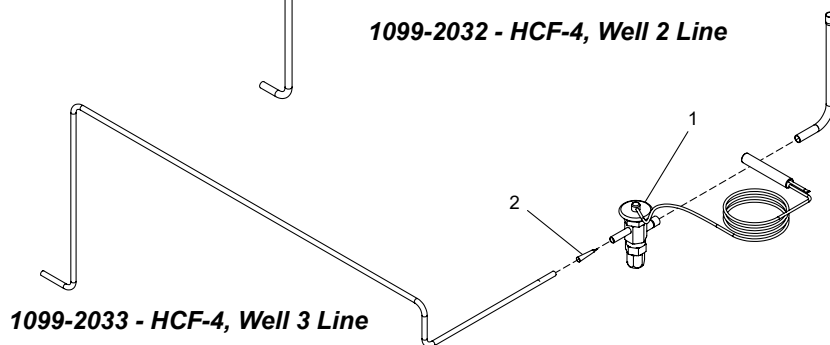
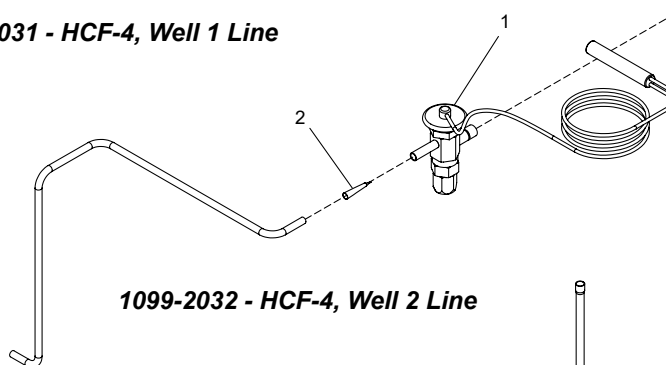
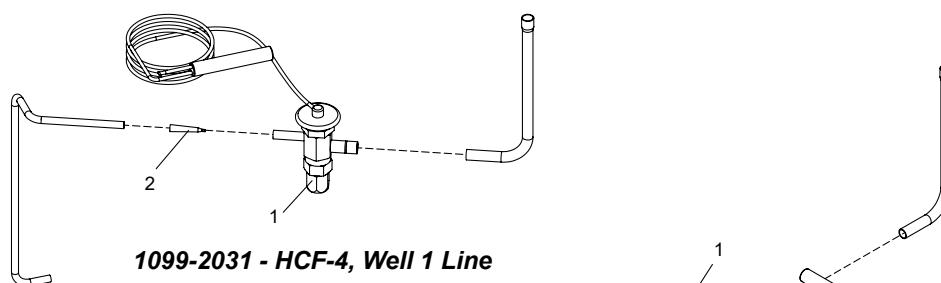
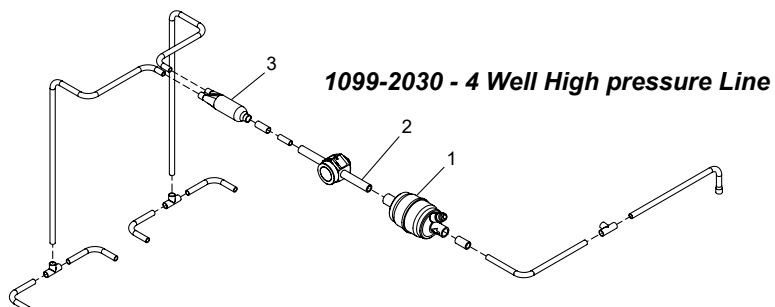
Item	Part #	Description	Qty
1	155773	Bushing Heyco, 3/4	11
2	600373	Kit, Solid State Relay Replacement	4
3	653035	Nut, 6-32 Kep Zinc Plated	10
*4	600586	Kit, loa ELC0805 Only Board Replacement	4
5	166100	Spacer, Tube Nylon 0.25od X 0.125id X 0.375h	20
6	112807	Nut, 4-40 Locknut Nylon Insert Thin Pattern Zinc Plated	20
7	290432	Picker Relay Replacement Kit	1
8	120001	Block, Terminal 4 Pole	1
9	10280000	Screw, 8-32 X 1"Tr Ph Ss Machine	2
10	213322	Nut Keps 10-24	2
11	212837	Ground Lug	1
12	ELC0451	Shunt, Jumper 2-Position	8
13	212107	Connector, Wago 222-413, 3 Conductor	4
14	155811	Connector, Wago 222-412, 2 Conductor	9
NS	ELC0402	Pcb Can & Display Connect - loa	4
NS	ELC0575	Utility Outlet Snap-In, Nema 1-15r	OPT

HOT COLD FREEZE - 4 WELL DRAIN MANIFOLD



Item	Part #	Description	Qty
1	1099-0433	Hcf Icb Main Drain Bracket	1
2	1099-0441	Hcf Icb 4 Drain Lever Bracket	1
3	213027	Screw, 10-24 X 1/2" Pthms S/S	14
4	219041	Cap, Plastic-Thread Cover Black, .172-.375 Size	6
5	1099-0435	Hcf Icb Drain Manifold Bracket	1
6	215381	Valve, Ball 3/4" Copper Sweat	5
7	1099-0420K	Service-Hcf Icb Drain Handle	5
8	1099-2099	Drain Hose Assembly	1

HOT COLD FREEZE - 4 WELL REFRIGERANT LINE ASSEMBLIES



HOT COLD FREEZE - 4 WELL REFRIGERANT LINE ASSEMBLIES

1099-2030 - 4 WELL, HIGH PRESSURE LINE			
Item	Part #	Description	Qty
1	226039	Drier, Filter	1
2	216415	Glass, Sight	1
3	226832	Distributor	1

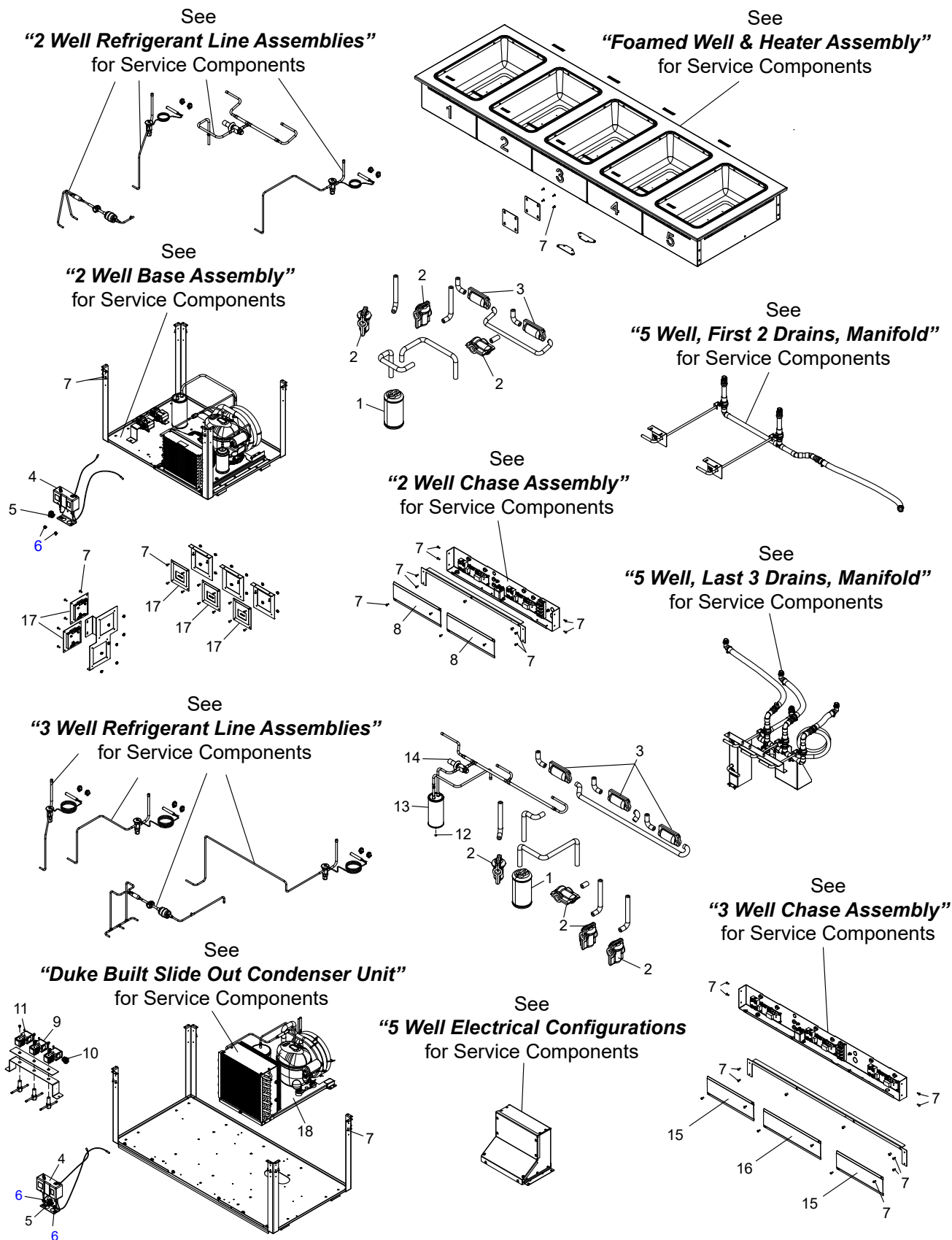
1099-2031 - HCF-4, WELL 1 LINE			
Item	Part #	Description	Qty
1	526315-2	Valve 526315 Adjusted On Flow Bench	1
2	226959	Strainer, #1543-002 Screen, 1/4 Odf	1

1099-2032 - HCF-4, WELL 2 LINE			
Item	Part #	Description	Qty
1	526315-2	Valve 526315 Adjusted On Flow Bench	1
2	226959	Strainer, #1543-002 Screen, 1/4 Odf	1

1099-2033 - HCF-4, WELL 3 LINE			
Item	Part #	Description	Qty
1	526315-2	Valve 526315 Adjusted On Flow Bench	1
2	226959	Strainer, #1543-002 Screen, 1/4 Odf	1

1099-2034 - HCF-4, WELL 3 LINE			
Item	Part #	Description	Qty
1	526315-2	Valve 526315 Adjusted On Flow Bench	1
2	226959	Strainer, #1543-002 Screen, 1/4 Odf	1

HOT COLD FREEZE - 5 WELL UNIT



HOT COLD FREEZE - 5 WELL UNIT

Item	Part #	Description	Qty
1	526805	Insulation, Accumulator	2
2	216859	Insulation, Txv Wrap	7
3	216860	Insulation, Txv Bulb	5
4	216891-1	Preset Dual Pressure Switch	2
5	222101	Bushing, Heyco 1280 Strain Relief	2
6	169781	Screw, 10-24 X 3/8" Flg Head Ser SS	4
7	213064	Screw, 10-24 X 1/2" Tcs Rd H	79
8	1099-0376	Chase Cover, 2 Well	2
9	216553	Solenoid, Refrig W/Coil 120v	3
10	222101	Bushing, Heyco 1280 Strain Relief	3
11	512901	Screw, 6-32 X 1/4" Pn Ph Bo-Tap Tite Thrd Rlg Black Oxide	3
12	213042	Nut, 1/4-20 Serrated Zinc	1
13	226117	Accumulator, Sporlan 3" Dia. 3/8" Fittings 1bs	1
14	226045	Valve, Sporlan Cro-4-07/75 3x3 Odf	1
15	1099-0267	Chase Cover, 3 Well, Ends	2
16	1099-0268	Chase Cover, 3 Well, Center	1
17	1099-2036	Remote Mount Display Assembly	5
18	1099-2055K	Service-Condensing Unit, Slide Out, Duke Built	1
Hcf-2 Well Wire Harness List (Ref. 1099-2060) - See "Hot Cold Freeze - 2 Well Unit"			
Hcf-3 Well Wire Harness List (Ref. 1099-2061) - See "Hot Cold Freeze - 3 Well Unit"			

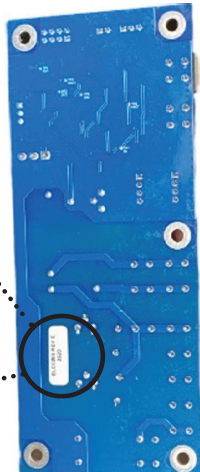
*TABLE 1

IOC-G Display Version	IOA Board Version		
	ELC0200	ELC0573	ELC0805
ELC0353	✓	✗	✗
ELC0643	✓	✓	✗
ELC0804	✓	✓	✓
ELC0837	✓	✓	✓

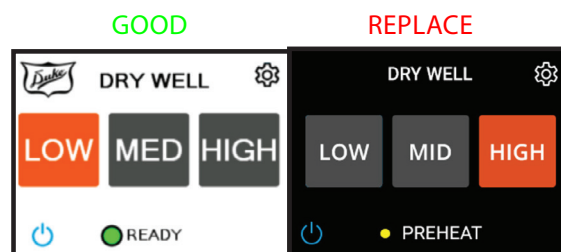
IOC-G DISPLAY BOARD

IOA

IOC-G DISPLAY COLOR EXAMPLE

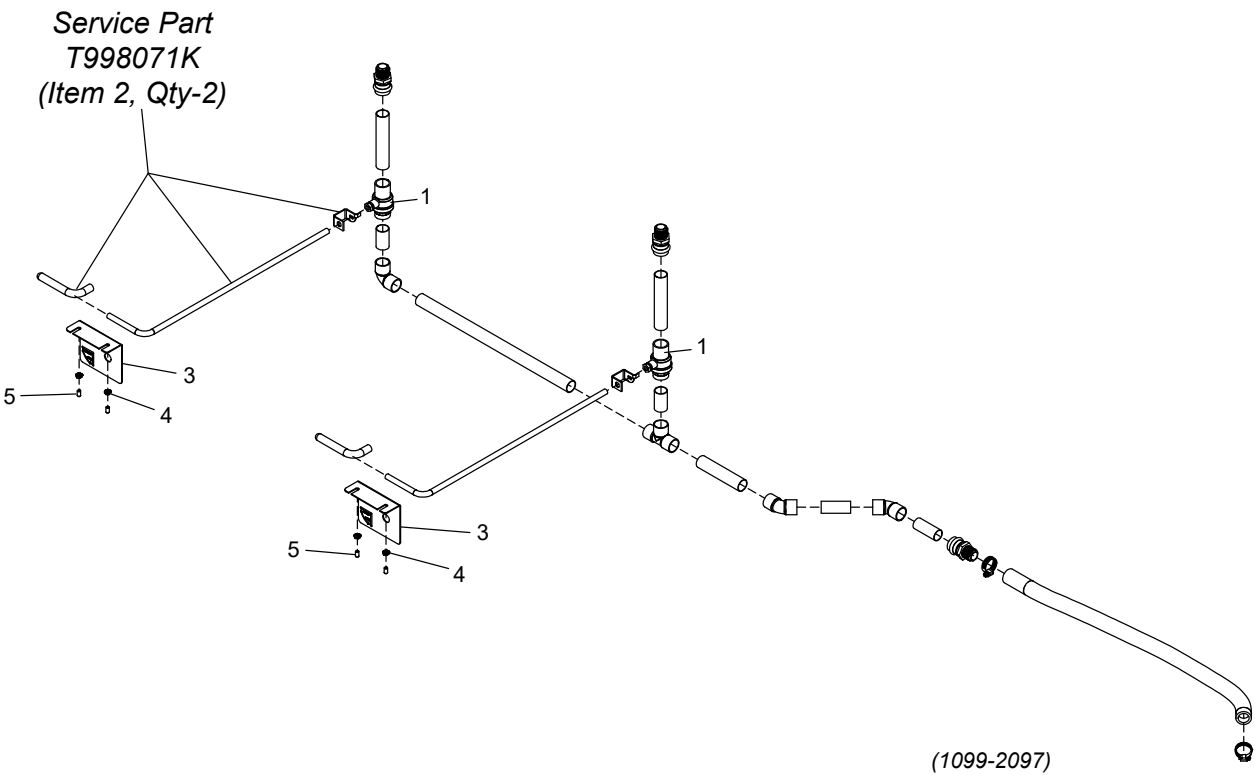


Part Number Location



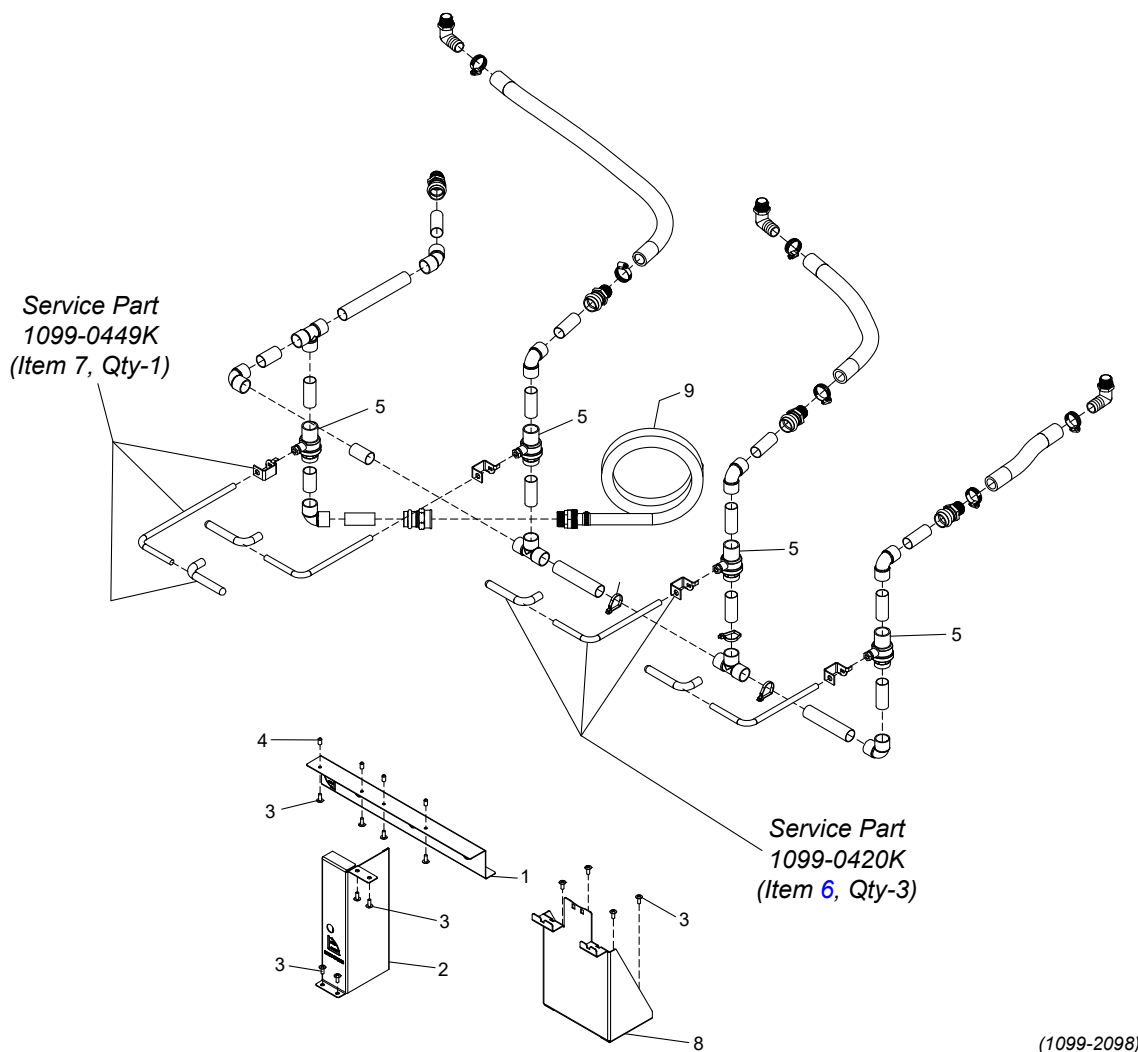


HOT COLD FREEZE - 5 WELL, FIRST 2 DRAINS, MANIFOLD



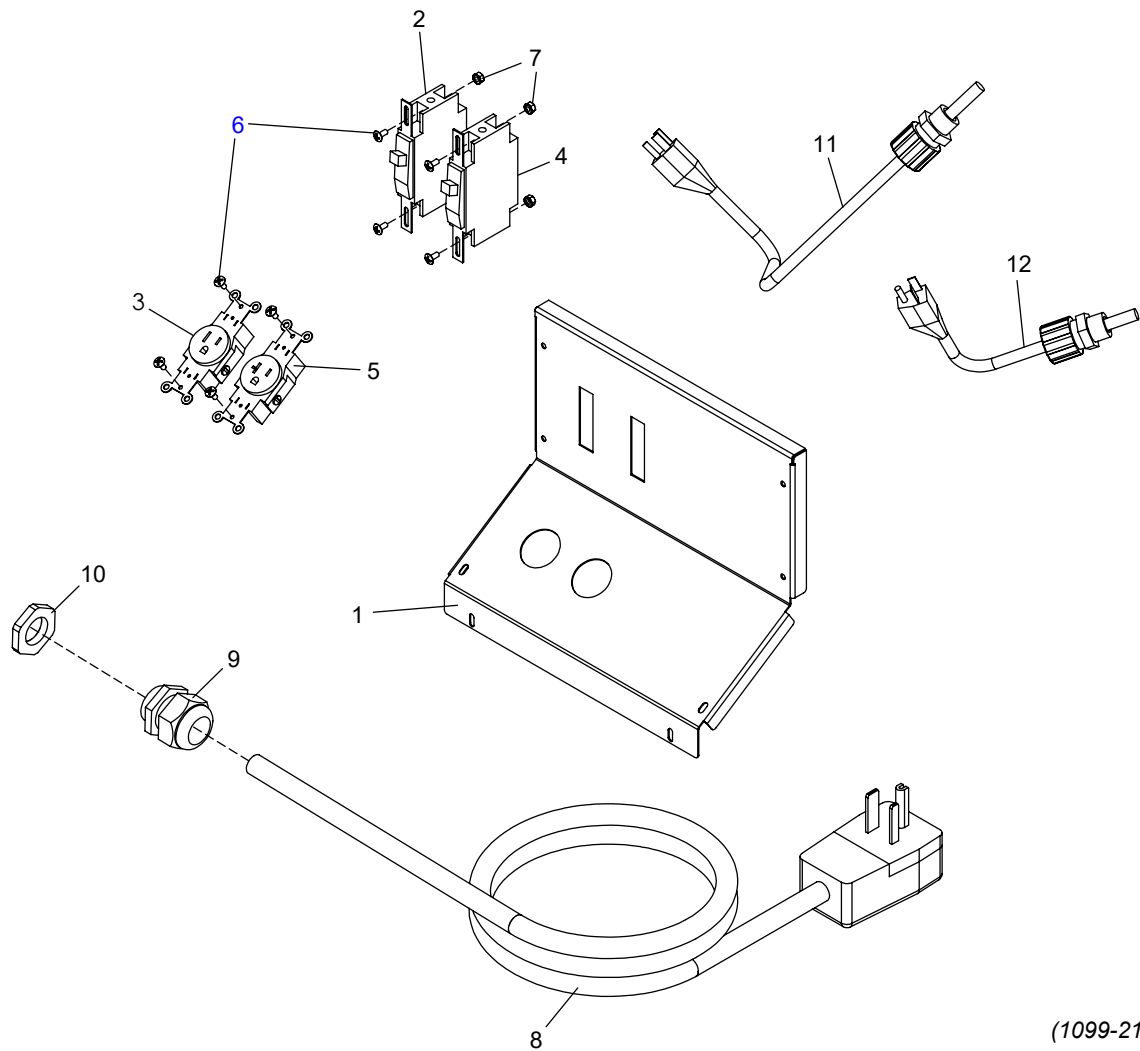
Item	Part #	Description	Qty
1	215381	Valve, Ball 3/4" Copper Sweat	2
2	T998071K	Service-Rod Handle For Ext. Individual Valves	2
3	1099-0442	Service, Drain Handle Assembly	2
4	213322	Nut Keps 10-24, Stainless	4
5	213326	Cap, Plastic-Thread Cover Black, .172-.375 Size	4

HOT COLD FREEZE - 5 WELL, LAST 3 DRAINS, MANIFOLD



Item	Part #	Description	Qty
1	1099-0432	Hcf Icb Drain Lever Bracket	1
2	1099-0433	Hcf Icb Main Drain Bracket	1
3	213027	Screw, 10-24 X 1/2" Pthms S/S	12
4	213326	Cap, Plastic-Thread Cover Black, .172-.375 Size	4
5	215381	Valve, Ball 3/4" Copper Sweat	4
6	1099-0420K	Service-Hcf Icb Drain Handle	3
7	1099-0449K	Service-Hcf Icb Drain Handle	1
8	1099-0435	Hcf Icb Drain Manifold Bracket	1
9	1099-2099	Drain Hose Assembly	1

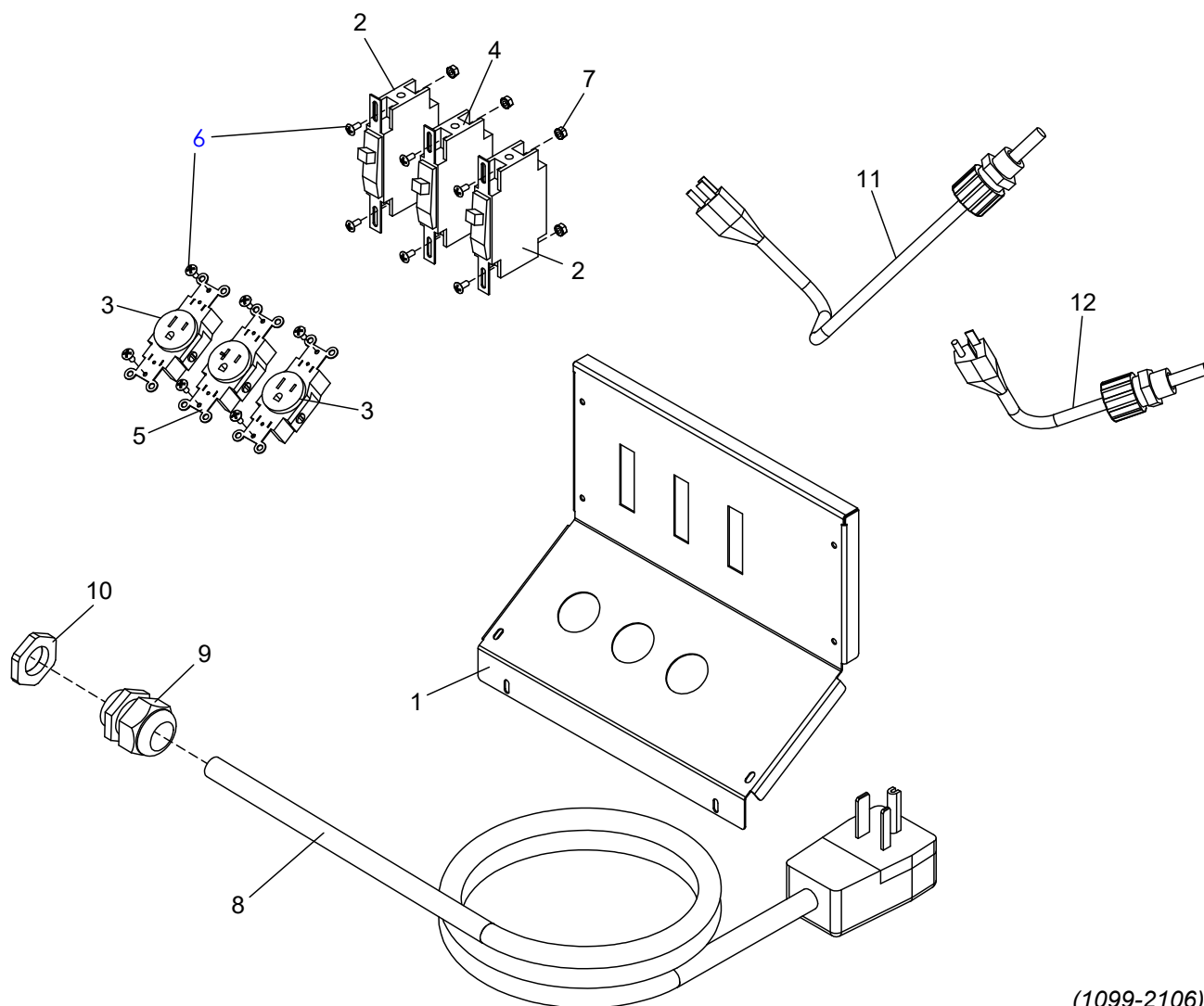
HOT COLD FREEZE - 5 WELL ELECTRICAL CONFIGURATION-A



(1099-2102)

Item	Part #	Description	Qty
1	1099-0454	Hcf-5 Icb Cover, Style A	1
2	212996	Breaker, Single 1p 15a	1
3	212177	Recpt, Elec 5-15 Single	1
4	212997	Breaker, Single 1p 20a	1
5	212337	Recpt, 5-20 Single Gray 20a 125v	1
6	213317	Screw, 8-32 X 3/8 Ph.tr. SS	8
7	154458	Nut, 8-32 Hex Kep Zinc	4
8	157011	Cord Set, 8/3 Cord-90 Deg Plug, 50a/125v	1
9	222106	Strain Relief, 1"	1
10	222185	Locknut, Plastic 1"	1
11	1099-2074	Hcf-2, 120v Cord Set (Ref - 212170 & 212117)	1
12	1099-2076	Hcf-3, 120v Cord Set (Ref - 222100 & 212110)	1

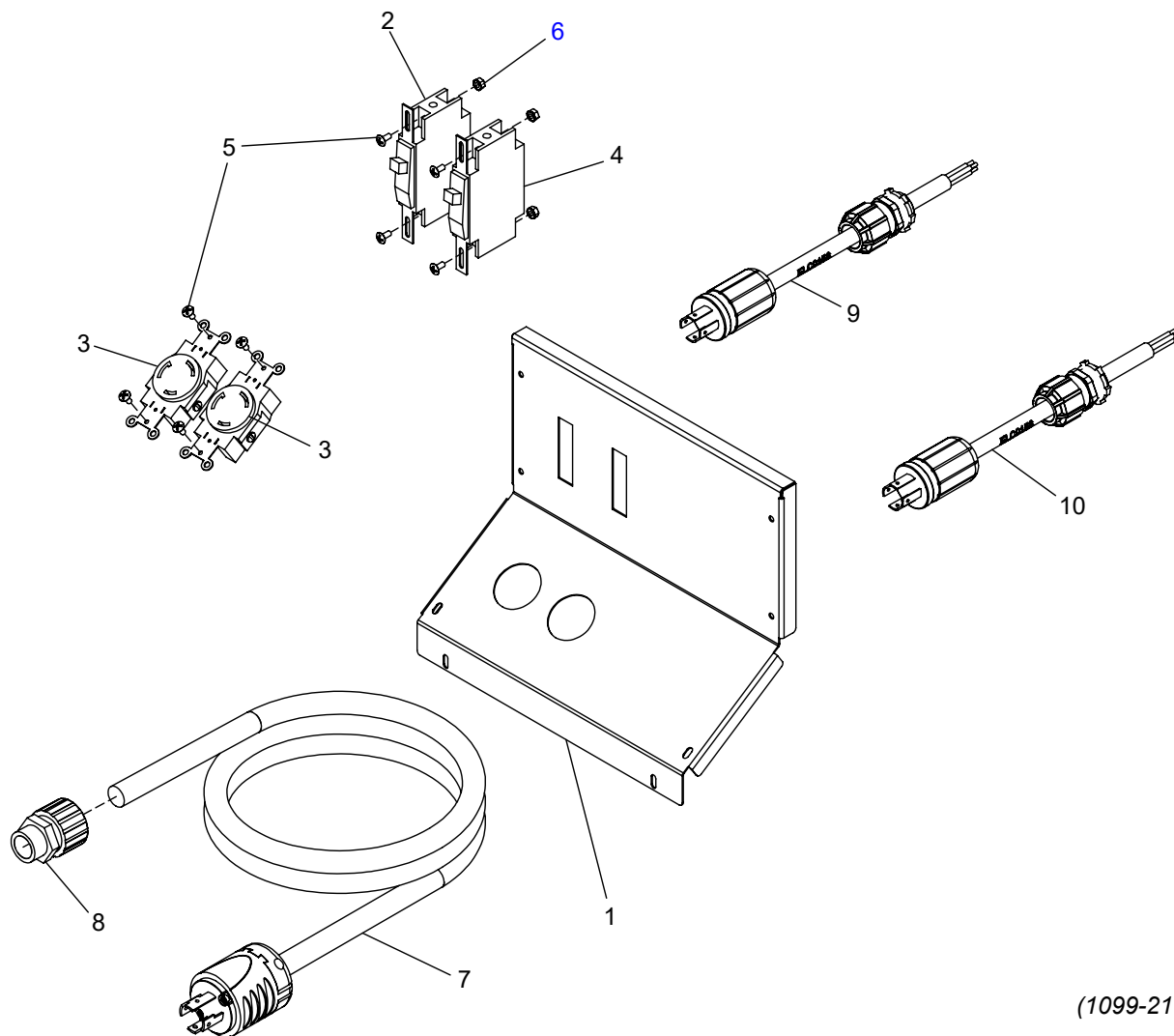
HOT COLD FREEZE - 5 WELL ELECTRICAL CONFIGURATION-A PLUS



(1099-2106)

Item	Part #	Description	Qty
1	1099-0458	Hcf 5 Icb Box Cover, Style A Plus	1
2	212996	Breaker, Single 1p 15a	2
3	212177	Recpt, Elec 5-15 Single	2
4	212997	Breaker, Single 1p 20a	1
5	212337	Recpt, 5-20 Single Gray 20a 125v	1
6	213317	Screw, 8-32 X 3/8 Ph.tr. Ss	12
7	154458	Nut, 8-32 Hex Kep Zinc	6
8	157011	Cord Set, 8/3 Cord-90 Deg Plug, 50a/125v	1
9	222106	Strain Relief, 1"	1
10	222185	Locknut, Plastic 1"	1
11	1099-2074	Hcf-2, 120v Cord Set (Ref - 212170 & 212117)	1
12	1099-2076	Hcf-3, 120v Cord Set (Ref - 222100 & 212110)	1

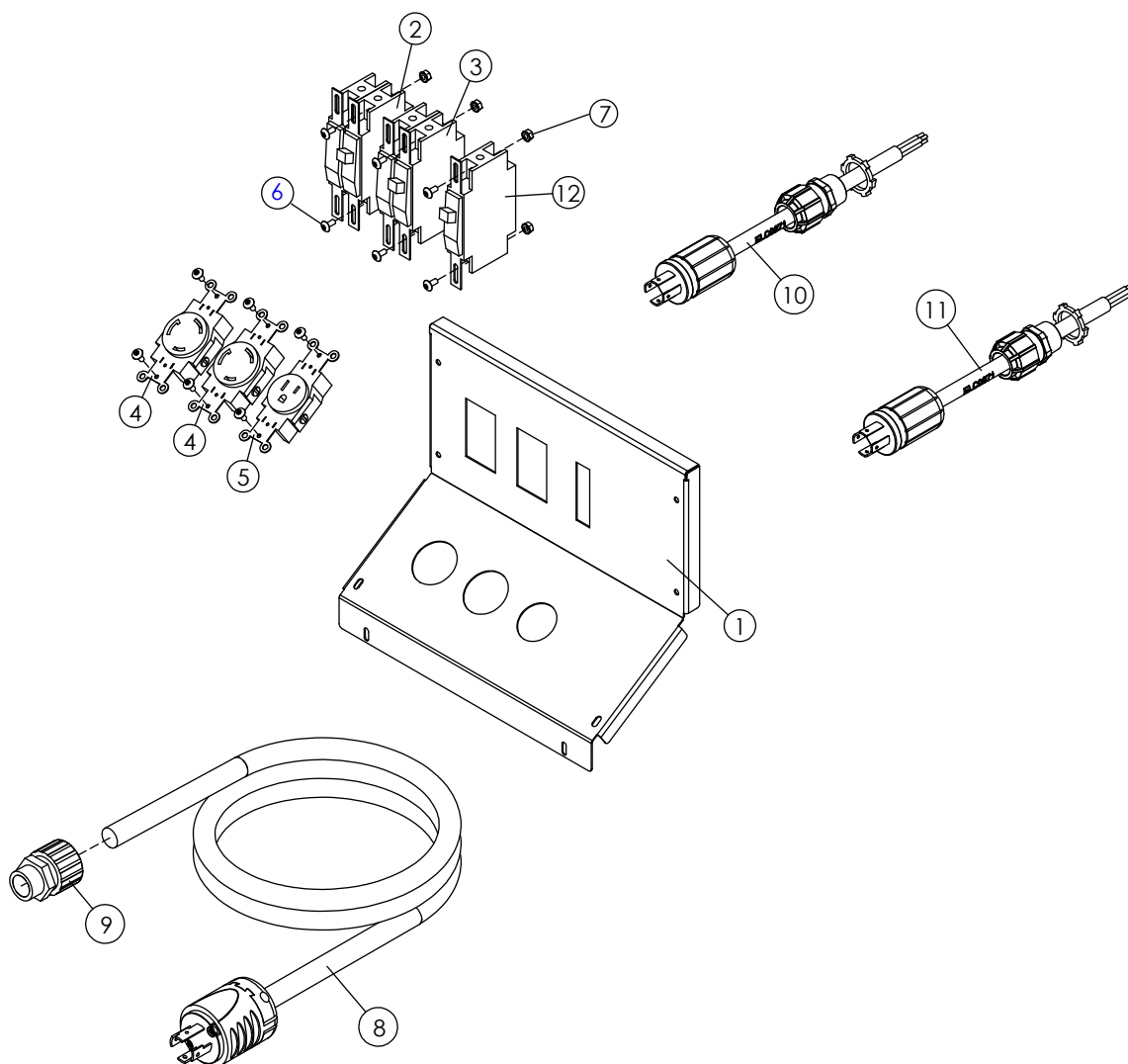
HOT COLD FREEZE - 5 WELL ELECTRICAL CONFIGURATION-D



(1099-2105)

Item	Part #	Description	Qty
1	1099-0457	Hcf-5 Icb Cover, Style D	1
2	212998	Breaker, Double 1p 20a	1
3	212265	Receptacle Nema L14-20r	2
4	222602	Breaker, Double 1p 20a	1
5	213317	Screw, 8-32x3/8 Ph.tr. SS	8
6	154458	Nut, 8-32 Hex Kep Zinc	4
7	157004	Cord Set, L14-30 10/4 Dual (212082 Cord & 212336 Plug)	1
8	212119	Strain Relief, W/ 3/4" Lock Nut	1
9	1099-2075	Hcf-2, 120/208v Or 120/240v Cord Set (Ref-Elc0156, 167568 & 115357)	1
10	1099-2077	Hcf-3, 120/208v Or 120/240v Cord Set (Ref-Elc0156, 167568 & 115357)	1

HOT COLD FREEZE - 5 WELL ELECTRICAL CONFIGURATION-D PLUS



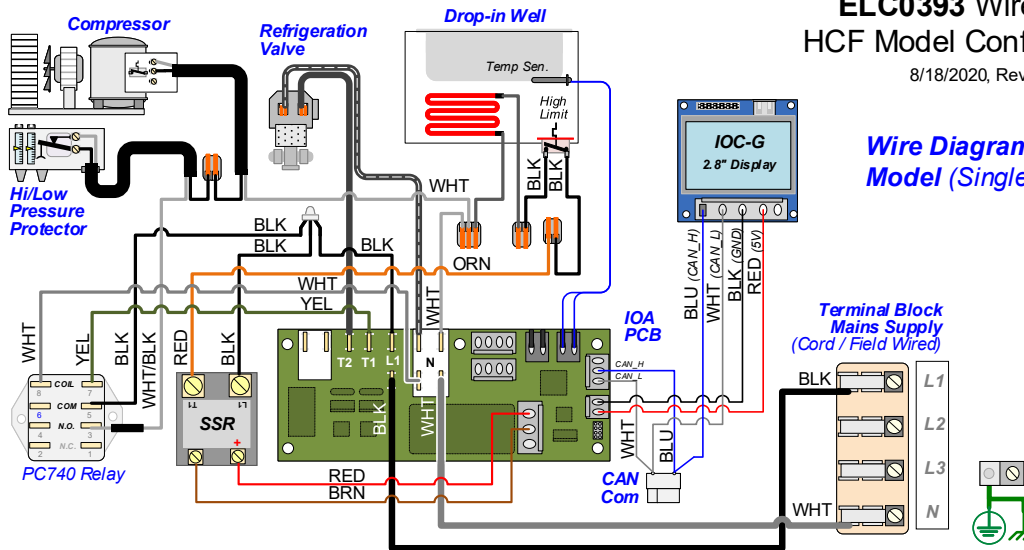
Item	Part #	Description	Qty
1	1099-0459	Hcf 5 Icb Box Cover - Style D Plus	1
2	212998	Breaker, Double 1p 20a	1
3	212995	Breaker, Single 1p 10a	1
4	212265	Receptacle Nema L14-20R	2
5	212177	Recpt, Elec 5-15 Single	1
6	213317	Screw, 8-32x3/8 Ph.tr. SS	12
7	154458	Nut, 8-32 Hex Kep Zinc	6
8	157004	Cord Set, L14-30 10/4 Dual (212082 Cord & 212336 Plug)	1
9	212119	Strain Relief, W/ 3/4" Lock Nut	1
10	1099-2075	Hcf-2, 120/208v Or 120/240v Cord Set (<i>Ref-Elc0156, 167568 & 115357</i>)	1
11	1099-2077	Hcf-3, 120/208v Or 120/240v Cord Set (<i>Ref-Elc0156, 167568 & 115357</i>)	1
12	212602	Breaker, Double 1p 15a	1

HOT COLD FREEZE PRIOR TO 08/30/2023- WIRING DIAGRAM

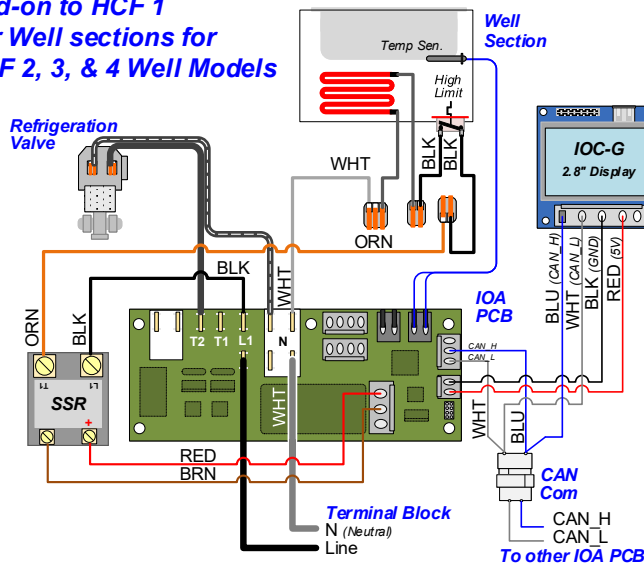
ELC0393 Wire Diagram HCF Model Configurations

8/18/2020, Rev. C, ECO-0002902

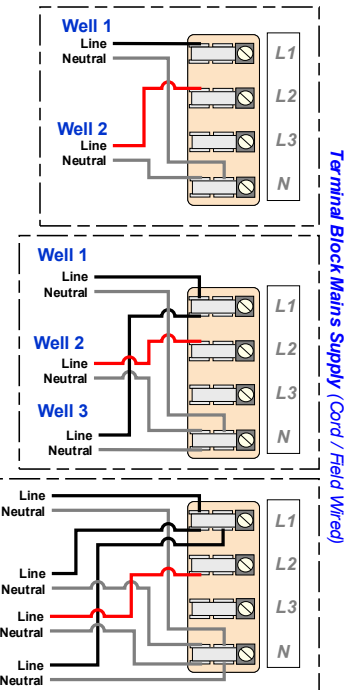
Wire Diagram, HCF 1 Model (Single Well)



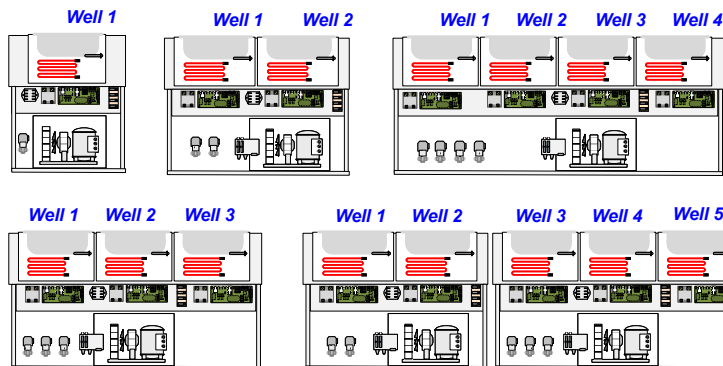
Add-on to HCF 1 per Well sections for HCF 2, 3, & 4 Well Models



120/208V & 120/240V Terminal Block Connections



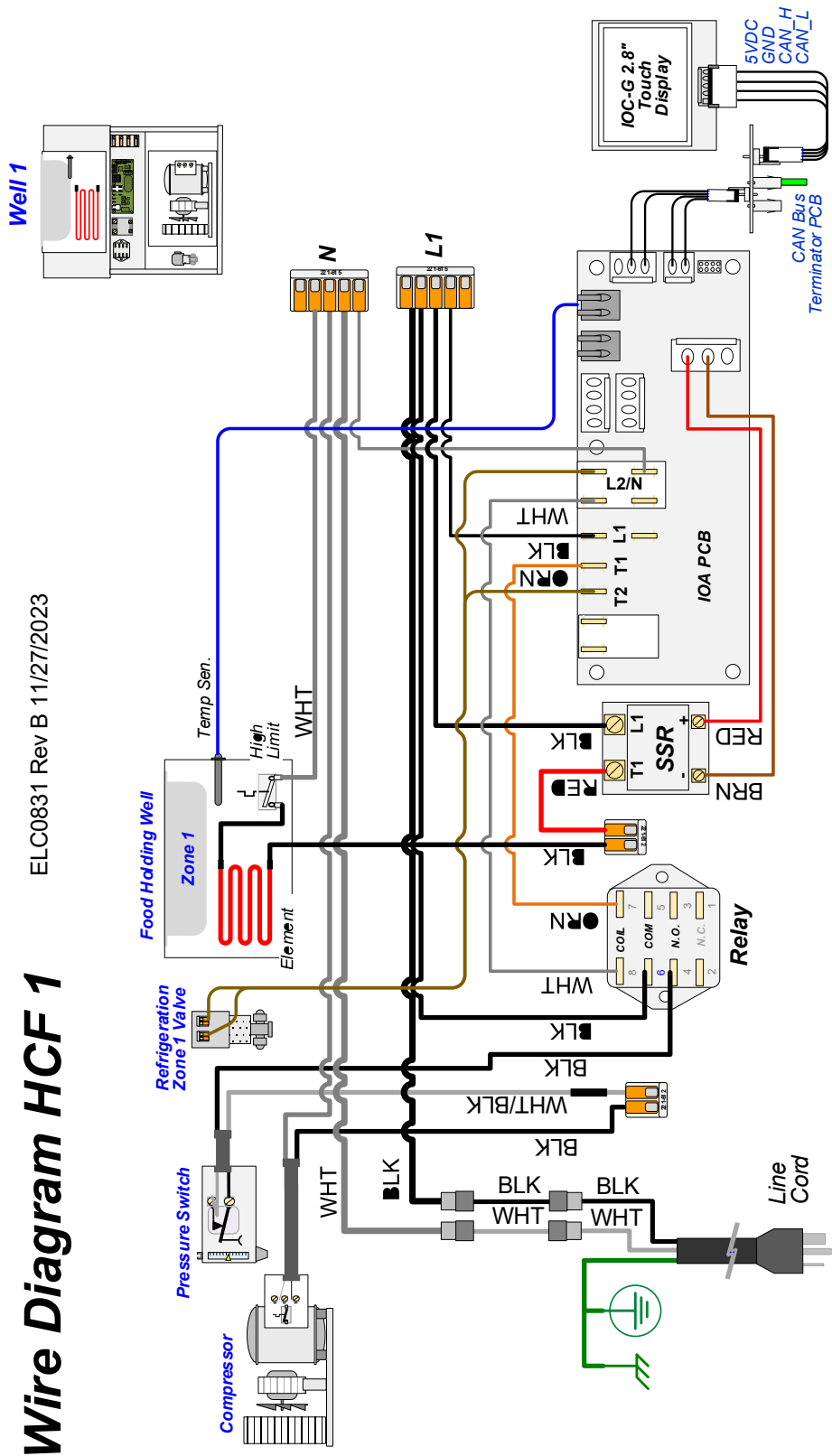
***NOTE:** All components are 120Vac Branch Circuits Supply from Mains Terminal Block to Well sections



***NOTE:** 5-Well model uses a separate 2-Well & a 3-Well model. The 5-Well model has 2 Power Line Cords

*Displays can be mounted in front of each Well or mounted in a group at either end of the installed counter.

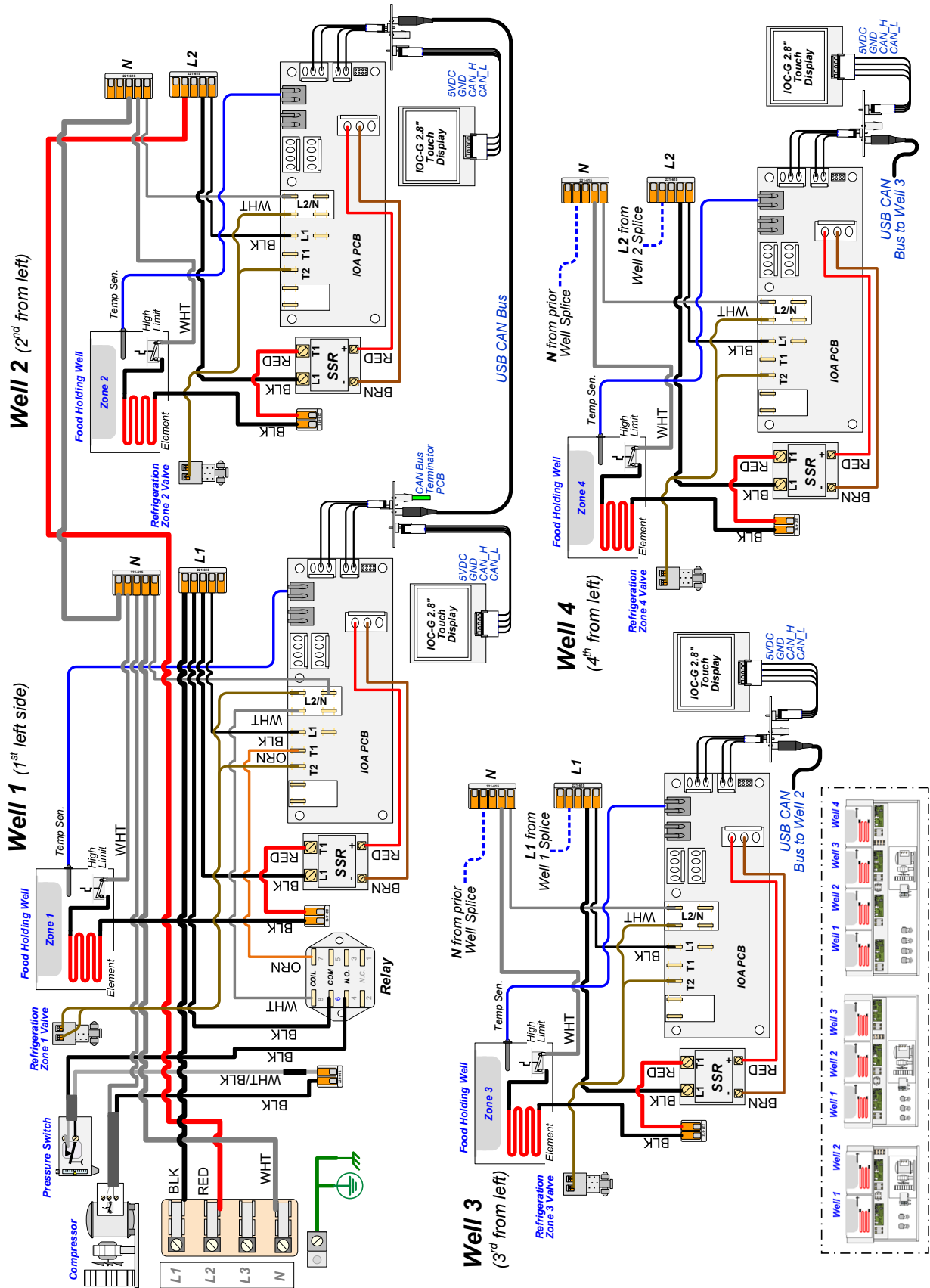
HOT COLD FREEZE BUILT AFTER 08/30/2023 - WIRING DIAGRAM



HOT COLD FREEZE BUILT AFTER 08/30/2023 - WIRING DIAGRAM

ELC0830
Rev C
11/4/2025

Wire Diagram HCF 2, HCF3, & HCF4



Notes



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