
Section 6: Plumbing

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Figure 6-1 Heat Exchanger

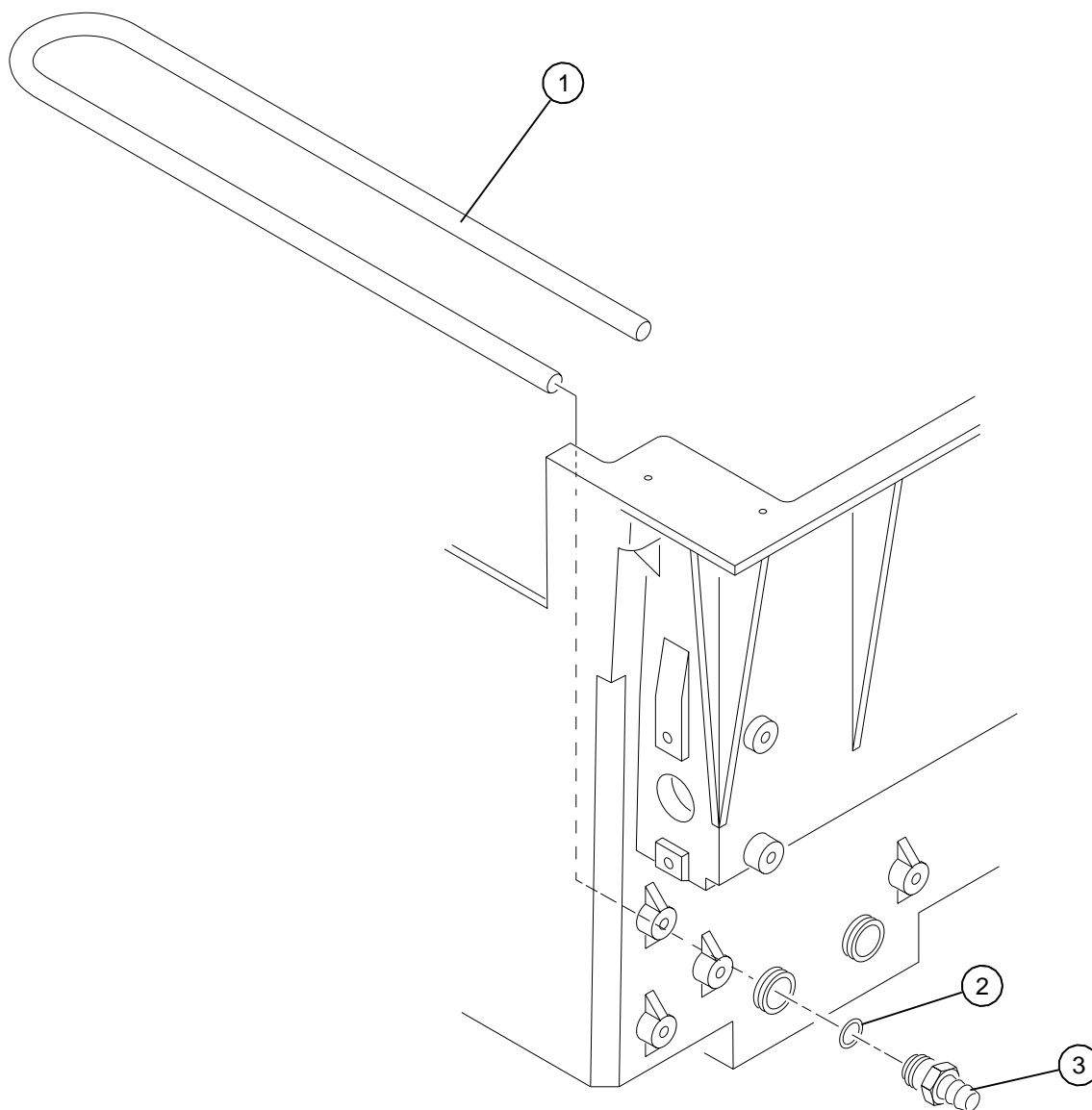
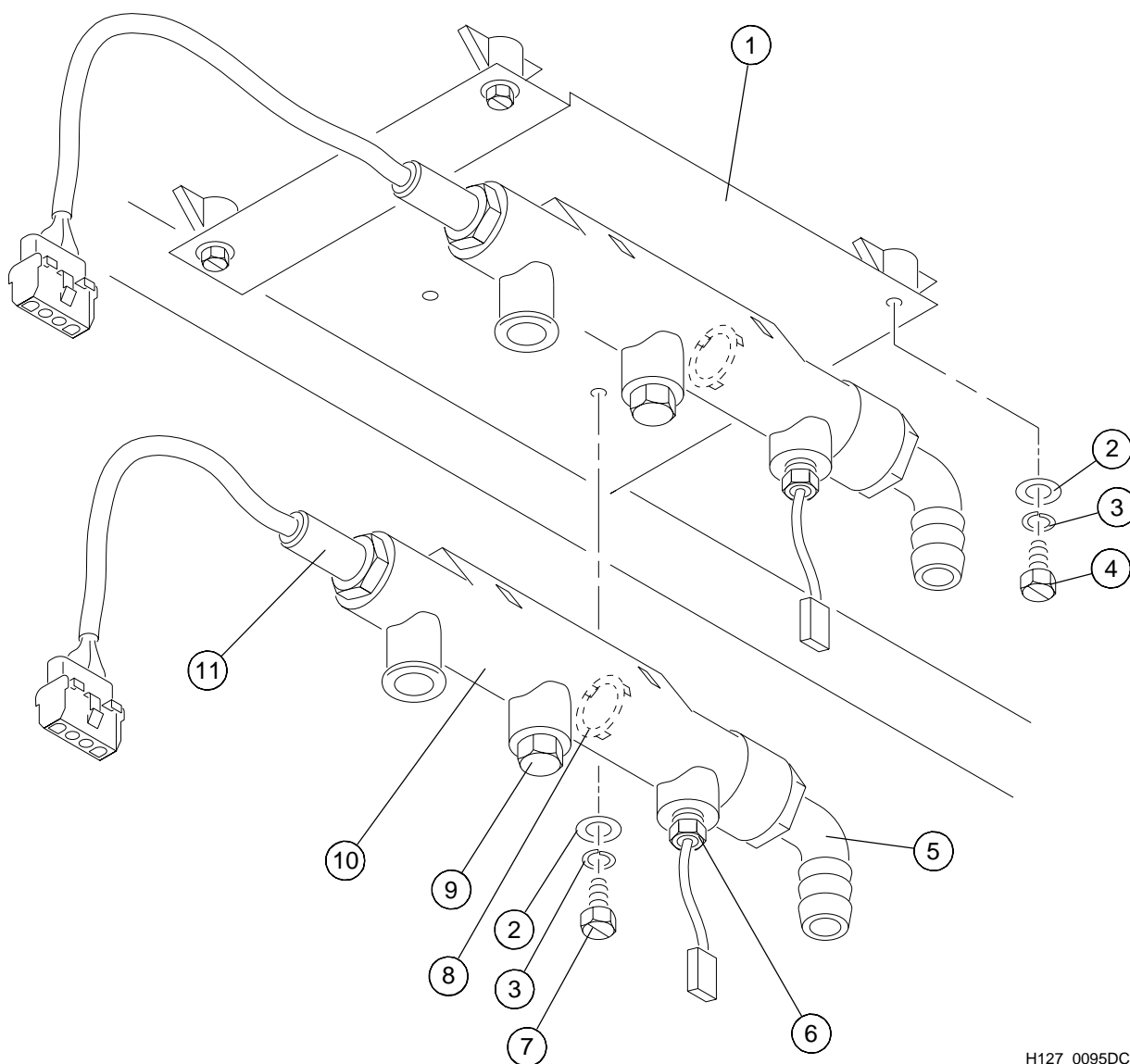
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Figure 6-1

Item	Part No.	Description
1	914724	Heat Exchanger
2	532378	O-Ring - Seal
3	5B6156	Fitting

Figure 6-2 Solution Thermowell

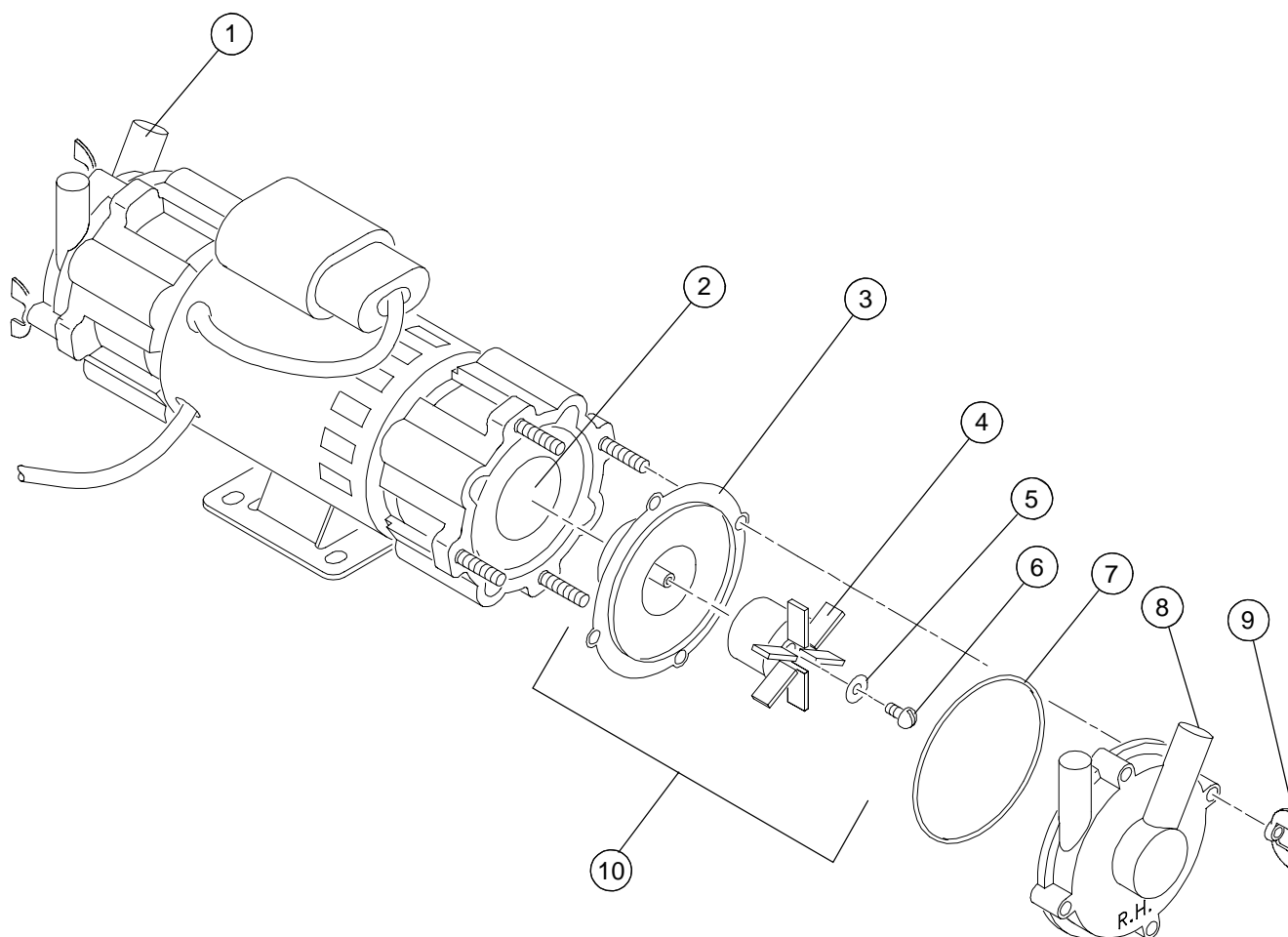


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Figure 6-2

Item	Part No.	Description
1	943068	Bracket - Thermowell
2	852616	Washer
3	852961	Washer - Lock
4	619284	Screw
5	478510	Fitting - Elbow
6	911432	Thermistor - Solution
7	187235	Screw
8	607793	Locator
9	541891	Plug - Thermowell
10	8B7080	Thermowell
11	696165	Heater - Solution

Figure 6-3 Recirculation Pump Assembly

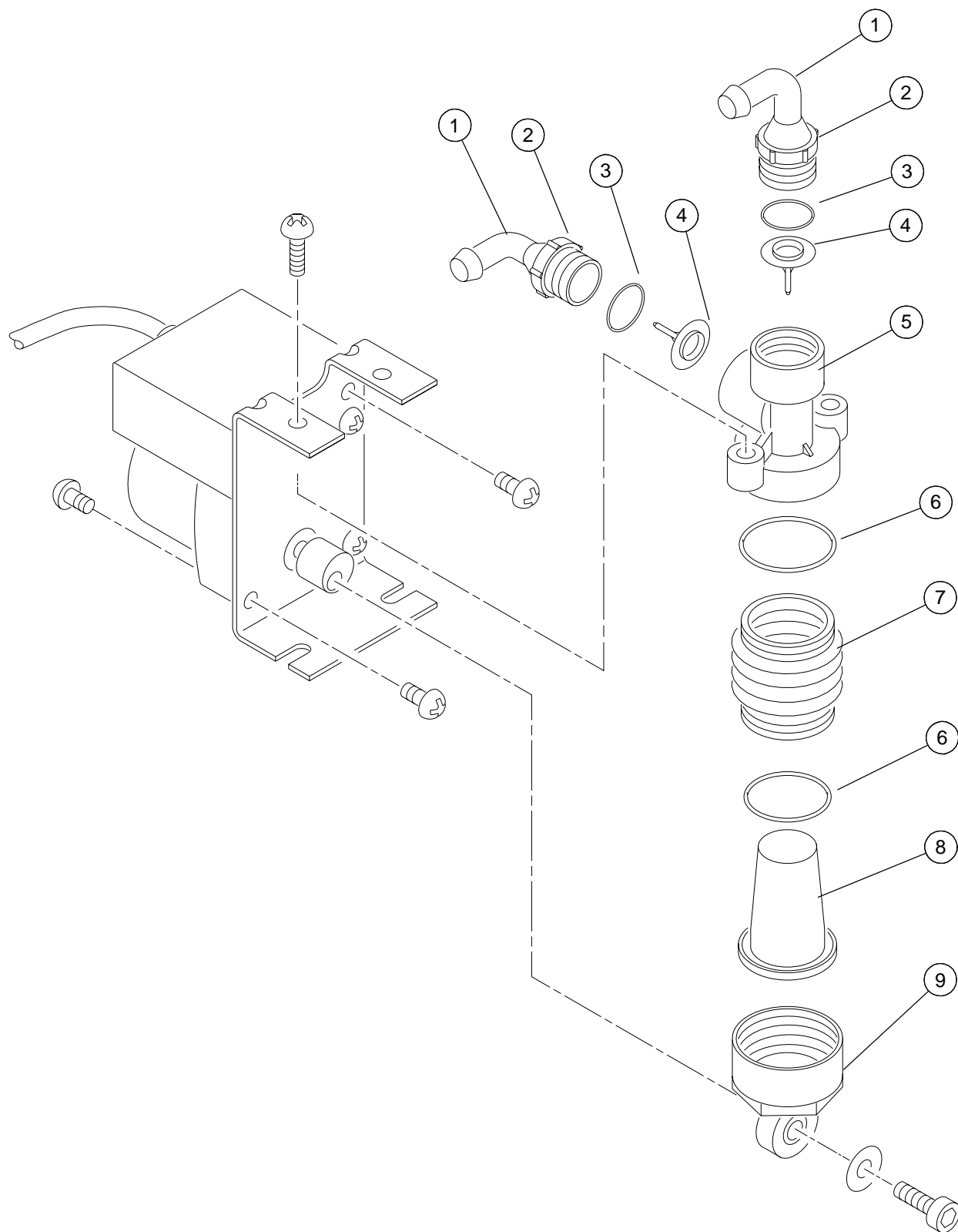


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Figure 6–3

Item	Part No.	Description	Notes
	1C4593	Recirculation Pump Assembly	Includes all the items on this page.
1	472605	Housing - Left Side	
2	473926	Magnet	
3	418700	Housing - Inner	
4	474362	Impeller	
5	493505	Washer	
6	852946	Screw	
7	463363	O-Ring	
8	472606	Housing - Right Side	
9	144097	Nut - Wing	Includes Items 3 - 6.
10	418701	Housing and Impeller Assembly	

Figure 6-4 Replenishment Pump Assembly

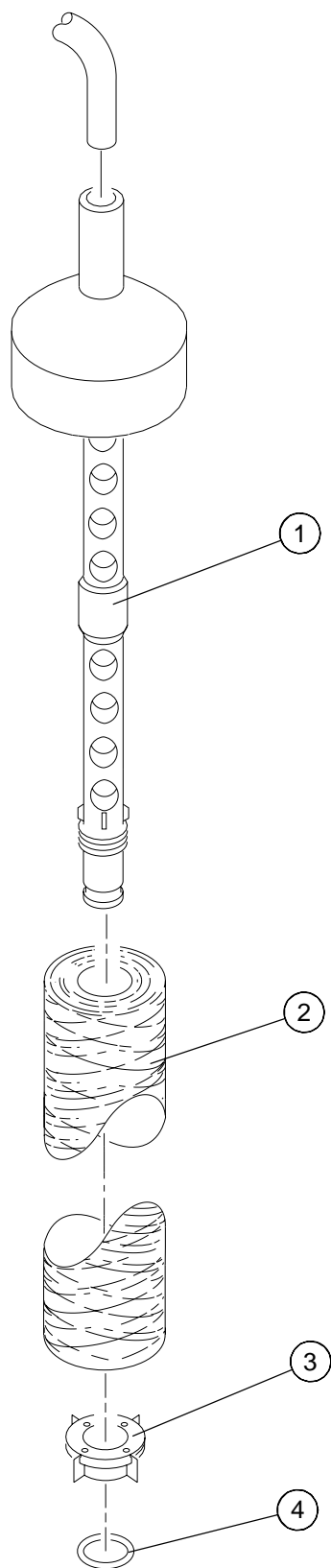


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Figure 6–4

Item	Part No.	Description	Notes
	1C4594	Replenishment Pump Assembly	Includes all the items on this page.
1	520390	Elbow	
2	520391	Nut	
3	520388	O-Ring	
4	609817	Valve	
5	535638	Valve Body	
6	535639	O-Ring	
7	532008	Bellows	
8	594838	Cup - Displacement	
9	520391	Nut	

Figure 6-5 Mandrel Filter Assembly

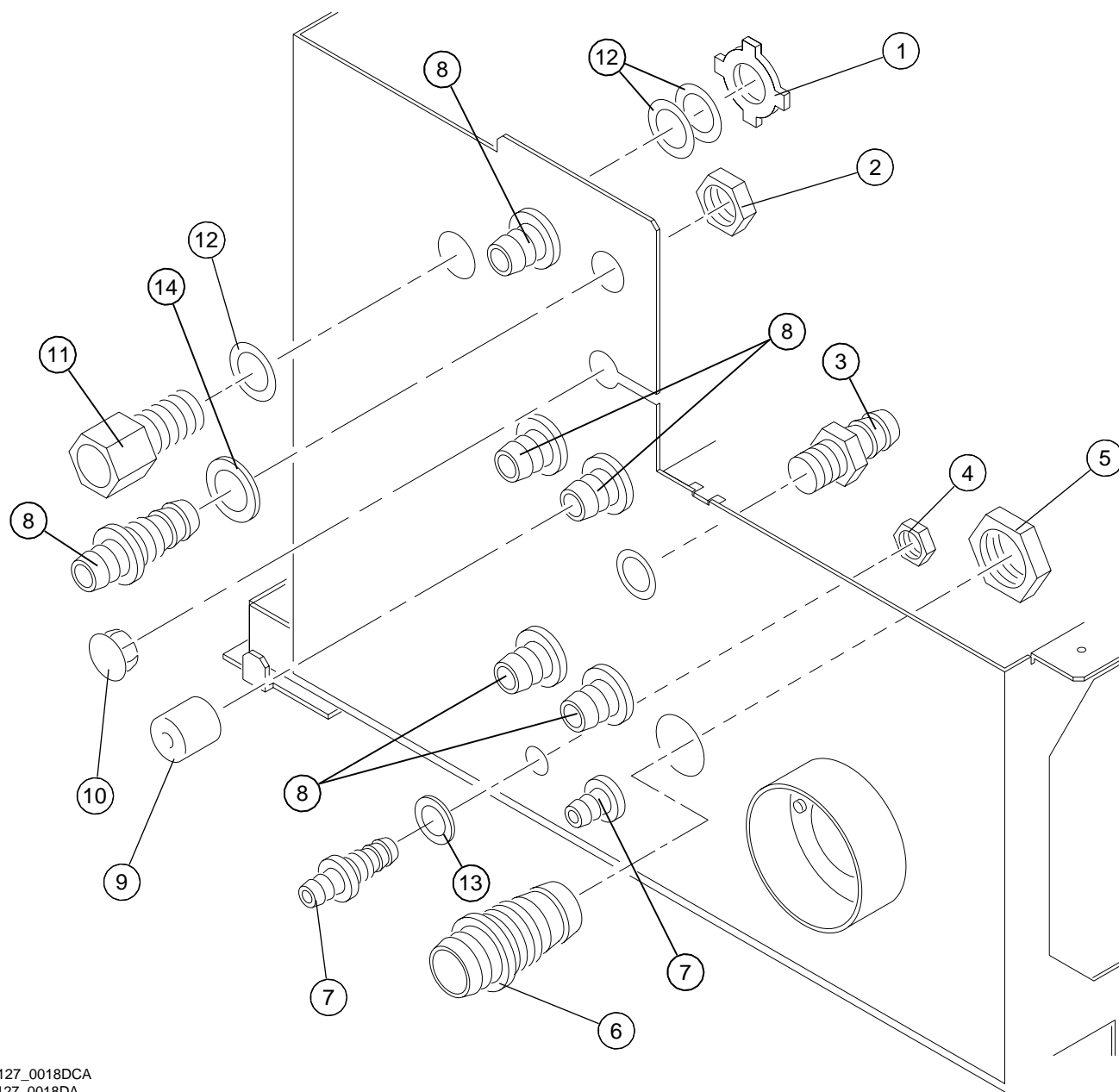


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Figure 6–5

Item	Part No.	Description	Notes
1	914719	Mandrel - Fixer, Blue	Includes Items 3 and 4.
	779330	Mandrel - Developer, Red	Includes Items 3 and 4.
2	943442	Filter - Cartridge, Developer	
3	740639	Nut - Wing	
4	740721	O-Ring	

Figure 6-6 Bulkhead Fittings

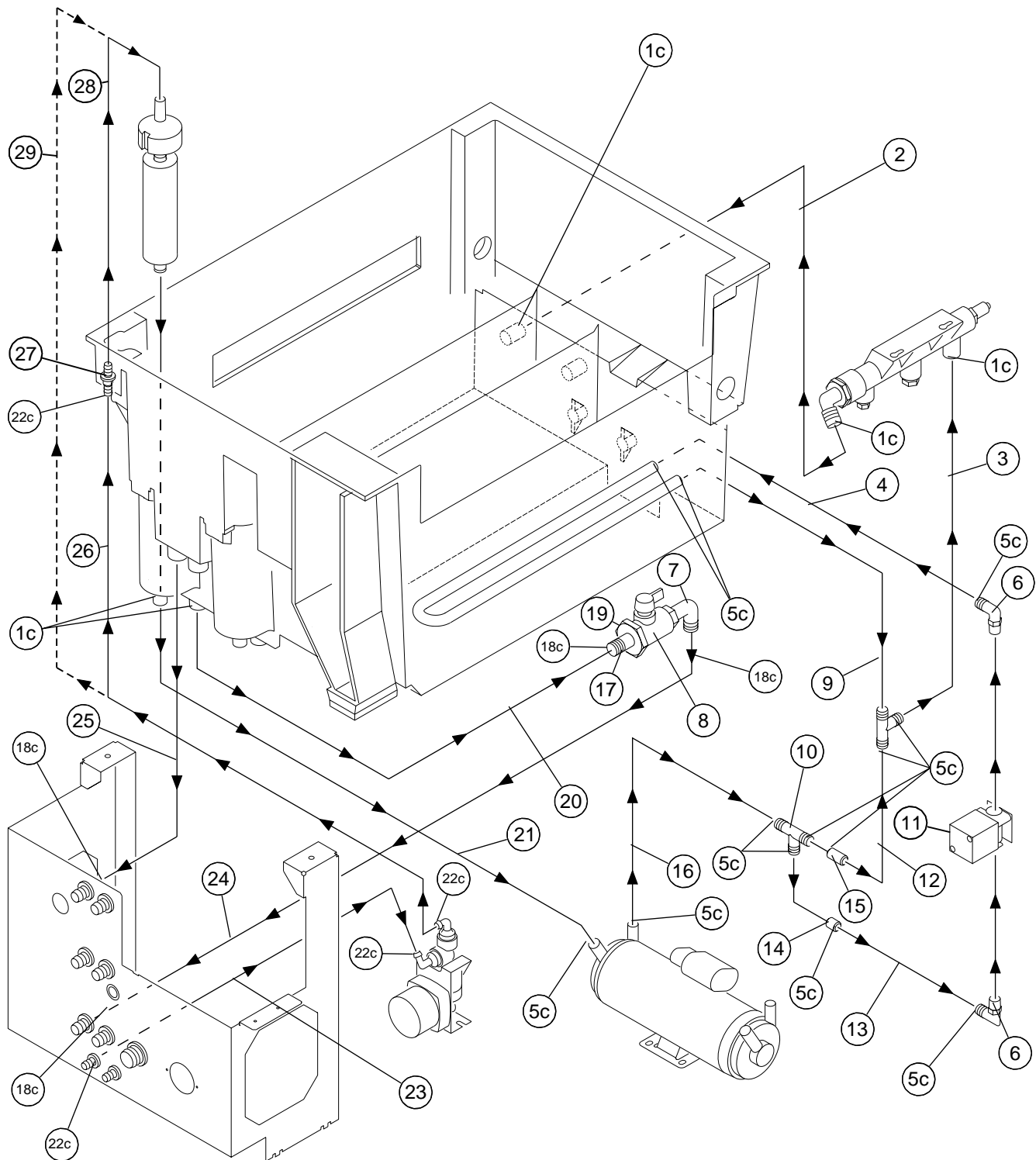


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Figure 6–6

Item	Part No.	Description	Notes
1	173865	Nut - Lock, 3/4-in.	
2	779377	Nut - Jam	
3	556104	Adapter	
4	779376	Nut - Jam	
5	779378	Nut - Jam	
6	779379	Fitting - Bulkhead, 1-in.	
7	1C7113	Fitting - Bulkhead, 3/8-in.	Includes Item 13.
8	1C7112	Fitting - Bulkhead, 5/8-in.	Includes Item 14.
9	544645	Cap - Fixer Recirculation	
10	536858	Plug	
11	594782	Connector - Panel	
12	483051	Washer	
13	489174	Washer - Rubber, 3/8-in.	
14	1C4721	Washer - Rubber, 5/8-in.	

Figure 6-7 Developer Plumbing Diagram



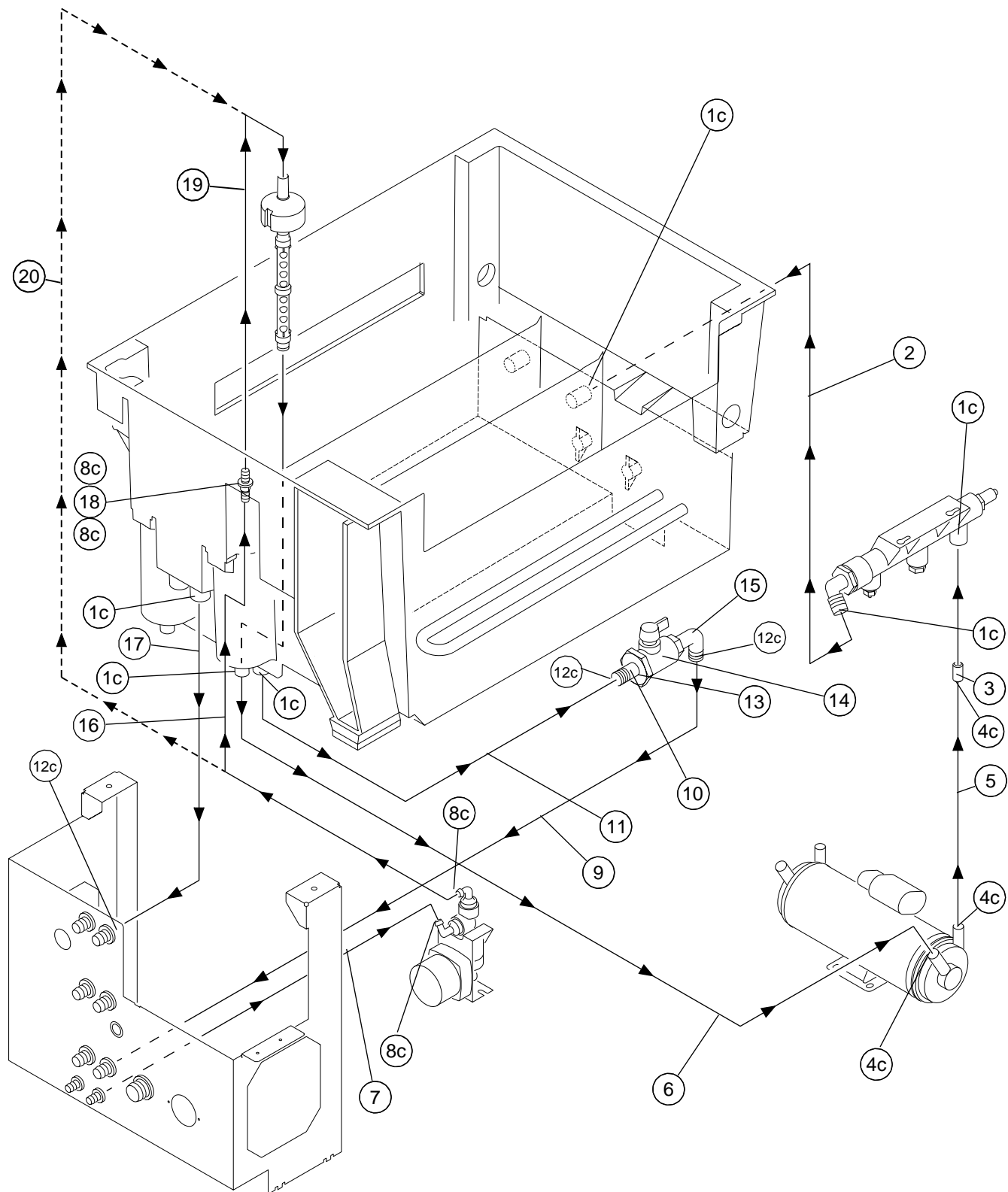
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Figure 6–7

Item	Part No.	Description	Notes
1c	246808	Clamp - Hose	
2	943084	Tubing - Formed	For 180 LP Serial No. below 3000 and 180 LPS Serial No. below 13,000.
	8B6661	Tubing - Formed	For 180 LP Serial No. 3000 and above, and 180 LPS Serial No. 13,000 and above.
3	943099	Tubing - Formed	
4	5B6153	Tubing - Formed	
5c	246801	Clamp - Hose	
6	486480	Fitting - Elbow	
7	493674	Fitting - Elbow	
8	779468	Valve - Drain, Red	
9	5B6152	Tubing - Formed	
10	180281	Fitting - T	
11	779344	Solenoid - Cooling	
12	943098	Tubing - Formed	
13	943097	Tubing - Formed	
14	914732	Orifice - 0.125 in.	
15	914731	Orifice - 0.250 in.	
16	943096	Tubing - Formed	
17	499754	Adapter - Hose	
18c	246802	Clamp - Hose	
19	779378	Nut - Jam	
20	943090	Tubing - Formed	
21	943091	Tubing - Formed	
22c	246800	Clamp - Hose	
23	943089	Tubing - Formed	
24	943086	Tubing - Formed	
25	943085	Tubing - Formed	
26	943088	Tubing - Formed	For 180 LP Serial No. below 3000 and 180 LPS Serial No. below 13,000.
27	1C7113	Fitting - Bulkhead, 3/8-in.	For 180 LP Serial No. below 3000 and 180 LPS Serial No. below 13,000. Includes Rubber Washer 489174.
28	943102	Tubing - Formed	For 180 LP Serial No. below 3000 and 180 LPS Serial No. below 13,000.
29	8B6660	Tubing - Formed	For 180 LP Serial No. 3000 and above, and 180 LPS Serial No. 13,000 and above.

Item numbers with c designate Hose Clamps.

Figure 6-8 Fixer Plumbing Diagram



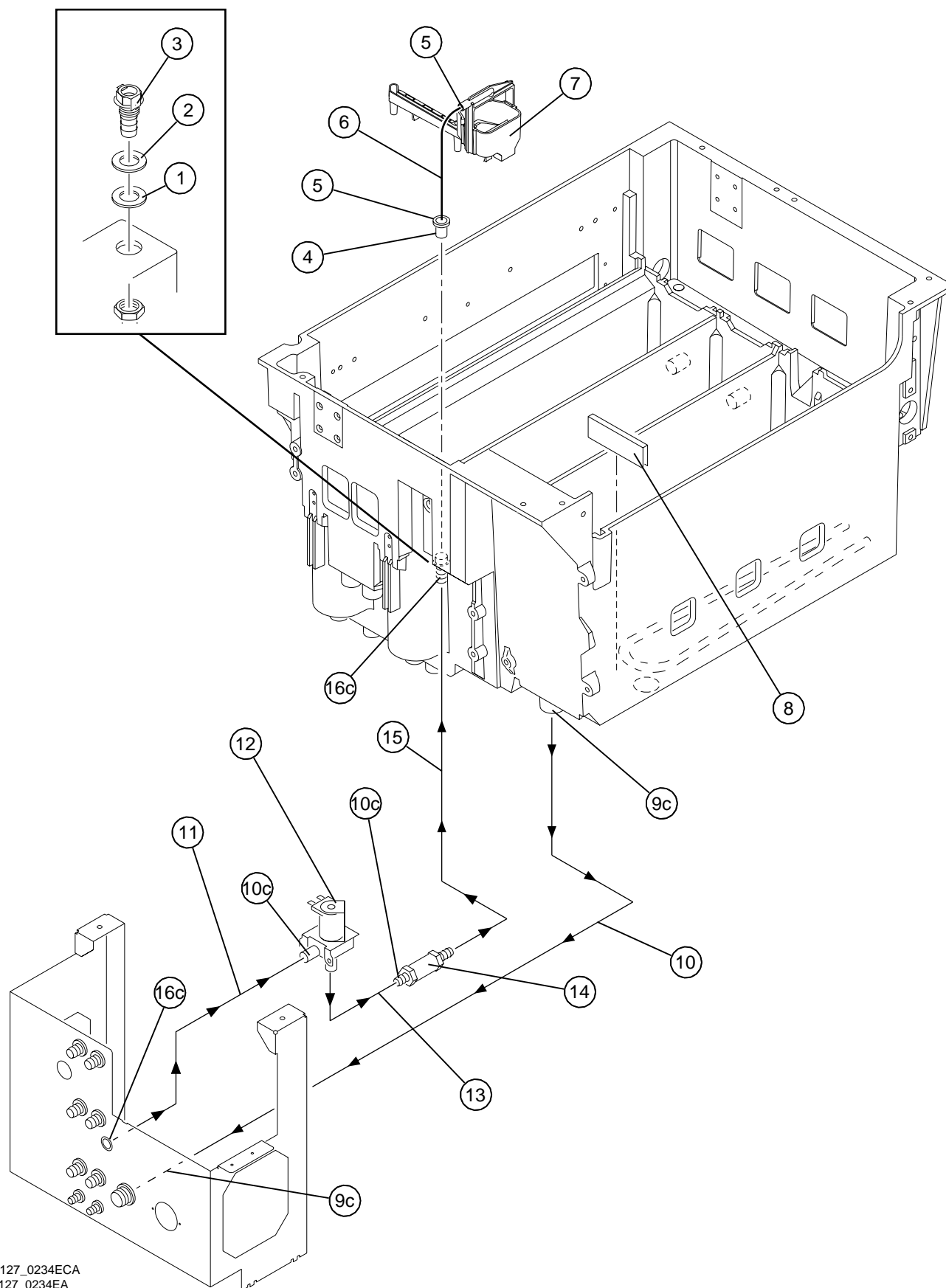
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Figure 6–8

Item	Part No.	Description	Notes
1c	246808	Clamp - Hose	
2	943084	Tubing - Formed	For 180 LP Serial No. below 3000 and 180 LPS Serial No. below 13,000.
	8B6661	Tubing - Formed	For 180 LP Serial No. 3000 and above, and 180 LPS Serial No. 13,000 and above.
3	459576	Orifice	
4c	246801	Clamp - Hose	
5	943095	Tubing - Formed	
6	943091	Tubing - Formed	
7	943089	Tubing - Formed	
8c	246800	Clamp - Hose	
9	943087	Tubing - Formed	
10	499754	Adapter - Hose	
11	943090	Tubing - Formed	
12c	246802	Clamp - Hose	
13	779378	Nut - Jam	
14	779359	Valve - Drain, Blue	
15	493674	Fitting - Elbow	
16	943088	Tubing - Formed	For 180 LP Serial No. below 3000 and 180 LPS Serial No. below 13,000.
17	943085	Tubing - Formed	
18	1C7113	Fitting - Bulkhead, 3/8-in.	For 180 LP Serial No. below 3000 and 180 LPS Serial No. below 13,000. Includes Rubber Washer 489174.
19	943102	Tubing - Formed	For 180 LP Serial No. below 3000 and 180 LPS Serial No. below 13,000.
20	8B6660	Tubing - Formed	For 180 LP Serial No. 3000 and above, and 180 LPS Serial No. 13,000 and above.

Item numbers with c designate Hose Clamps.

Figure 6-9 Wash Plumbing Diagram



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Figure 6–9

Item	Part No.	Description	Notes
1	594535	Gasket	Includes Nut.
2	594534	Washer	
3	943701	Disconnect - Quick	
4	943700	Coupling	For 180 LP Serial No. 3000 and above, and 180 LPS Serial No. 13,000 and above.
5	182590	Tie	For 180 LP Serial No. 3000 and above, and 180 LPS Serial No. 13,000 and above.
6	8B7123	Tubing - Wash Reservoir	For 180 LP Serial No. 3000 and above, and 180 LPS Serial No. 13,000 and above.
7	5B6899	Reservoir - Wash	For 180 LP Serial No. 3000 and above, and 180 LPS Serial No. 13,000 and above. Includes Items 4, 5, and 6.
8	5B6750	Clip - Wash Tank	
9c	246805	Clamp - Hose	
10	943094	Tubing - Formed	
11	943092	Tubing - Formed	
12	963545	Solenoid - Water	
13	943093	Tubing - Formed	
14	963541	Valve - Flow Control	180 LP Processors without Mod 4. Includes fittings.
	1C4968	Valve - Flow Control	180 LP Processors with Mod 4 or Mod 7 installed and all 180 LPS Processors with Serial No. below 13,000. Includes fittings.
	5B7730	Valve - Flow Control	For 180 LP Serial No. 3000 and above, and 180 LPS Serial No. 13,000 and above.
15	943402	Tubing - Formed	
16c	246801	Clamp - Hose	

Item numbers with c designate Hose
Clamps.

