HI-WAY

EA2
PARTS MANUAL

UNIT SERIAL NO. _____

MANUAL NUMBER: 319235-AB-A

EFFECTIVE 09/2021

NLM
NEW LEADER MANUFACTURING

1330 76TH AVE SW
CEDAR RAPIDS, IA 52404-7052
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Instructions for Ordering Parts

Order from the **AUTHORIZED DEALER** in your area.

1. Always give the pertinent model and serial number.
2. Give part name, part number and the quantity required.
3. Give the correct address to where the parts are to be shipped, and the carrier if there is a preference.

Unless claims for shortages or errors are made immediately upon receipt of goods they will not be considered. Any part returns should be directed through the dealer from which they were purchased.

When broken goods are received, a full description of the damage should be made by the carrier agent on the freight bill. If this description is insisted upon, full damage can always be collected from the transportation company.

No responsibility is assumed for delay or damage to merchandise while in transit. Our responsibility ceases upon delivery of shipment to the transportation company from whom a receipt is received showing that shipment was in good condition when delivered to them, therefore, claims (if any) should be filed with the transportation company and not with New Leader Manufacturing.

If your claims are not being handled (by the transportation company) to your satisfaction, please call our Product Sales & Support Department at New Leader Manufacturing at 888-363-8006 for assistance.

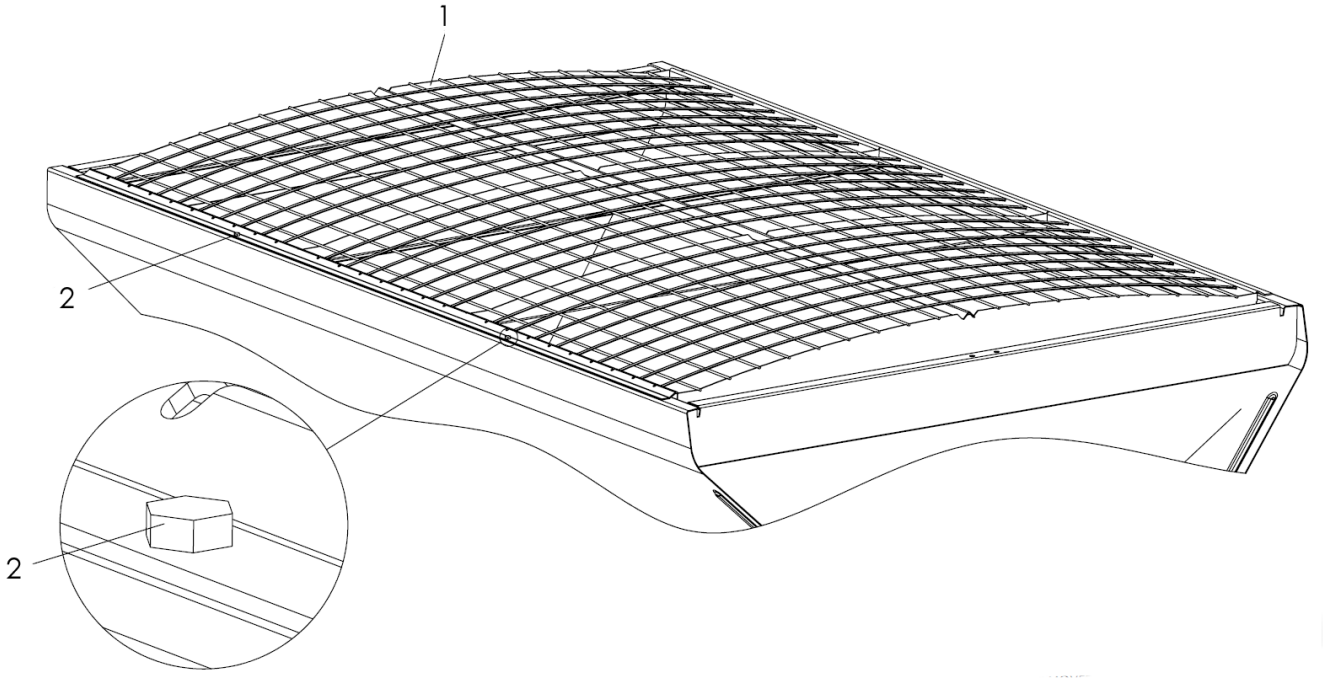
In the parts list the following symbols and abbreviations stand for:

* - Not Shown
AR – As Required
CS – Carbon Steel
SS – Stainless Steel
NS – Not Serviced

The parts listed under the different steel types (CS and 304 SS) are for that type of unit and do not necessarily mean the part is made of that type of steel.

Body

Screen

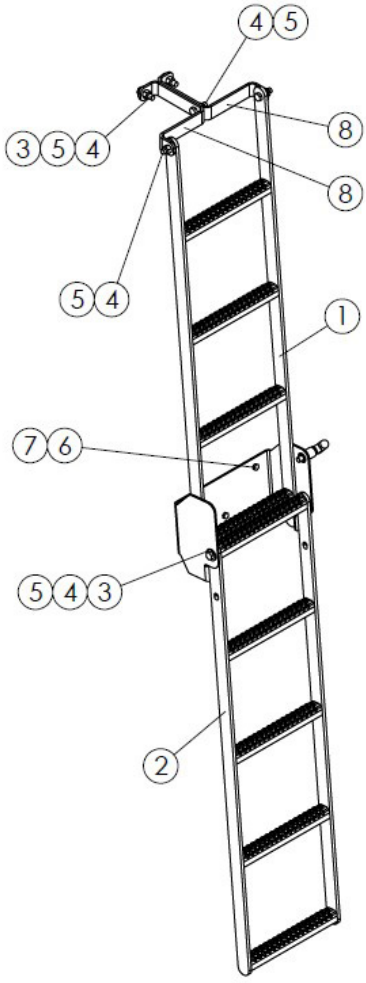


ITEM	PART NO.	DESCRIPTION	QTY
1	308228	Screen - 10’ x 82” Galvanized	1
	308324	Screen - 12’ X 82 Galvanized	1
	308325	Screen - 14’ X 82 Galvanized	1
2	36293	Cap Screw - .375-16NC x .75 SS	AR

AR - As Required

Body

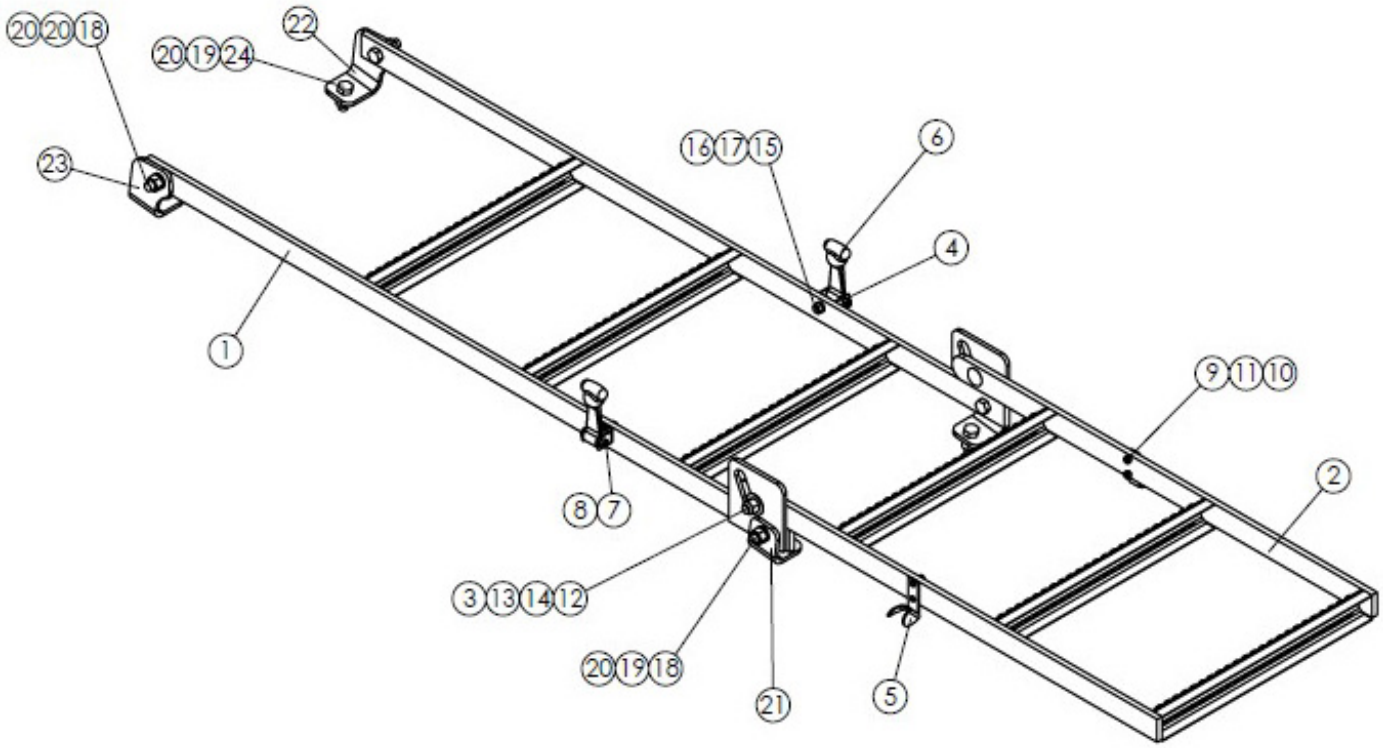
Rear Ladder



ITEM	PART NO.	DESCRIPTION	QTY
1	319165	Ladder - Wldmt Rear Upper 304	1
2	319166	Ladder - Wldmt Rear Lower 304	1
3	36426	Washer - Flat .5 SS	4
4	36539	Capscrew - .5-13nc X 1.5 SS	7
5	39016	Nut - Lock .5-13nc SS	7
6	36398	Capscrew - .375-16nc X 1 SS	3
7	36414	Nut - Hex .375-16nc SS	3
8	319171	Brace - Ladder 304	2

Body

Side Ladder



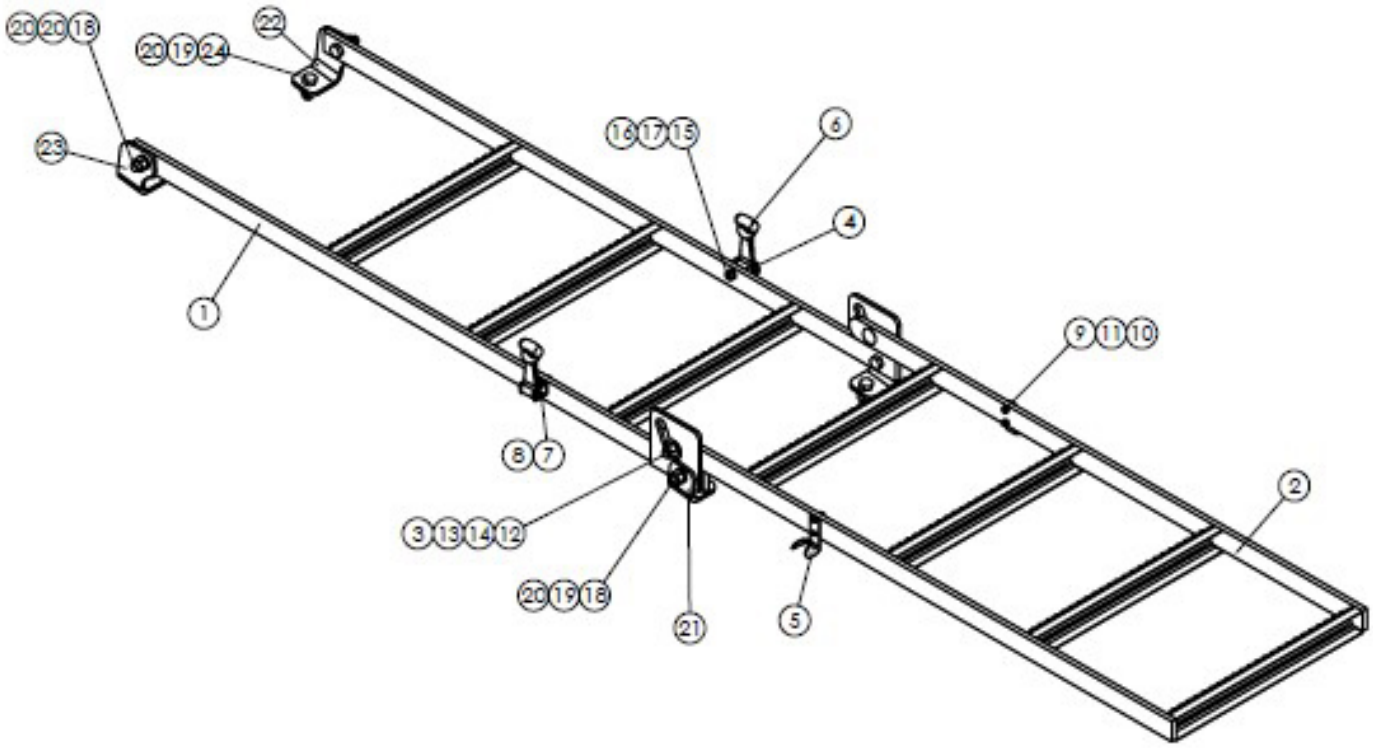
Body

Side Ladder

ITEM	PART NO.	DESCRIPTION	QTY
1	319147	Ladder - Wldmt Side Upper 304	1
2	300456	Ladder - Wldmt Insp Lower 304	1
3	88638	Tube - .75od X .75 X .375 SS	2
4	73344	Bracket - Anchor	2
5	150043	Bracket - Hood	2
6	73343	Hook - Rubber	2
7	42448	Capscrew - .25-20nc X 1.5 SS	2
8	42034	Nut - Lock .25-20nc SS	2
9	44483	Screw - Round Head #10-24nc X .75 SS	4
10	44451	Washer - Lock #10 SS	4
11	47295	Nut - Hex #10-24nc SS	4
12	36411	Bolt - Carriage .5-13nc X 1.5	2
13	36426	Washer - Flat .5 SS	2
14	39016	Nut - Lock .5-13nc SS	2
15	300458	Capscrew - .313-18nc X .875 SS	2
16	36419	Washer - Lock .313 SS	2
17	36413	Nut - Hex .313-18nc SS	2
18	36539	Capscrew - .5-13nc X 1.5 SS	4
19	36422	Washer - Lock .5 SS	8
20	36416	Nut - Hex .5-13nc SS	8
21	318781	Bracket - Mount Ladder 304	2
22	318782	Bracket - Mount Ladder Rh 304	1
23	318783	Bracket - Mount Ladder Lh 304	1
24	36402	Capscrew - .5-13nc X 1.25 SS	4

Body

Side Ladder 12” Ext



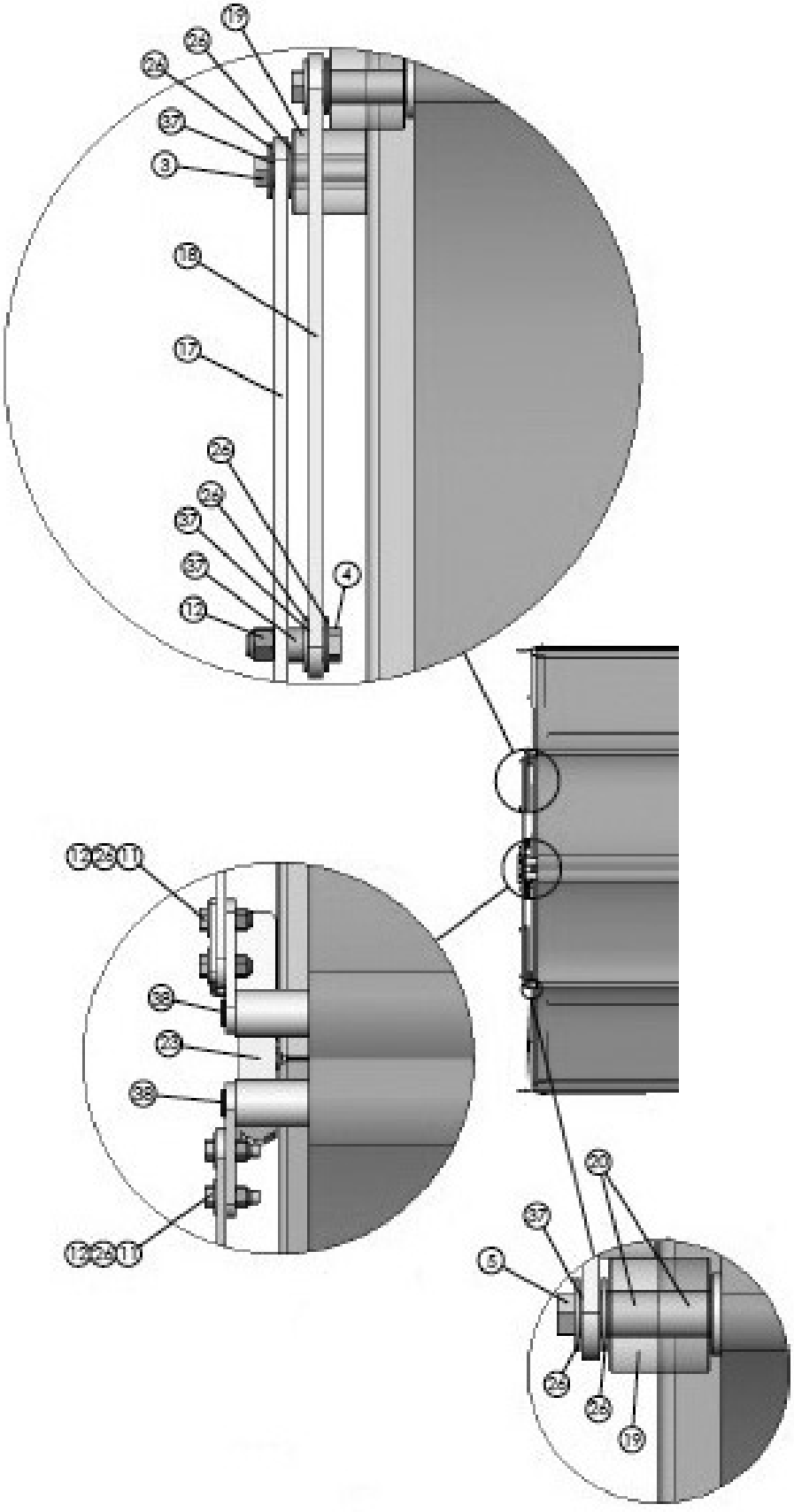
Body

Side Ladder 12” Ext

ITEM	PART NO.	DESCRIPTION	QTY
1	319147	Ladder - Wldmt Side Upper 304	1
2	304096	Ladder - Wldmt Lower 44 304	1
3	88638	Tube - .75od X .75 X .375 SS	2
4	73344	Bracket - Anchor	2
5	150043	Bracket - Hood	2
6	73343	Hook - Rubber	2
7	42448	Capscrew - .25-20nc X 1.5 SS	2
8	42034	Nut - Lock .25-20nc SS	2
9	44483	Screw - Round Head #10-24nc X .75 SS	4
10	44451	Washer - Lock #10 SS	4
11	47295	Nut - Hex #10-24nc SS	4
12	36411	Bolt - Carriage .5-13nc X 1.5	2
13	36426	Washer - Flat .5 SS	2
14	39016	Nut - Lock .5-13nc SS	2
15	300458	Capscrew - .313-18nc X .875 SS	2
16	36419	Washer - Lock .313 SS	2
17	36413	Nut - Hex .313-18nc SS	2
18	36539	Capscrew - .5-13nc X 1.5 SS	4
19	36422	Washer - Lock .5 SS	8
20	36416	Nut - Hex .5-13nc SS	8
21	318781	Bracket - Mount Ladder 304	2
22	318782	Bracket - Mount Ladder Rh 304	1
23	318783	Bracket - Mount Ladder Lh 304	1
24	36402	Capscrew - .5-13nc X 1.25 SS	4

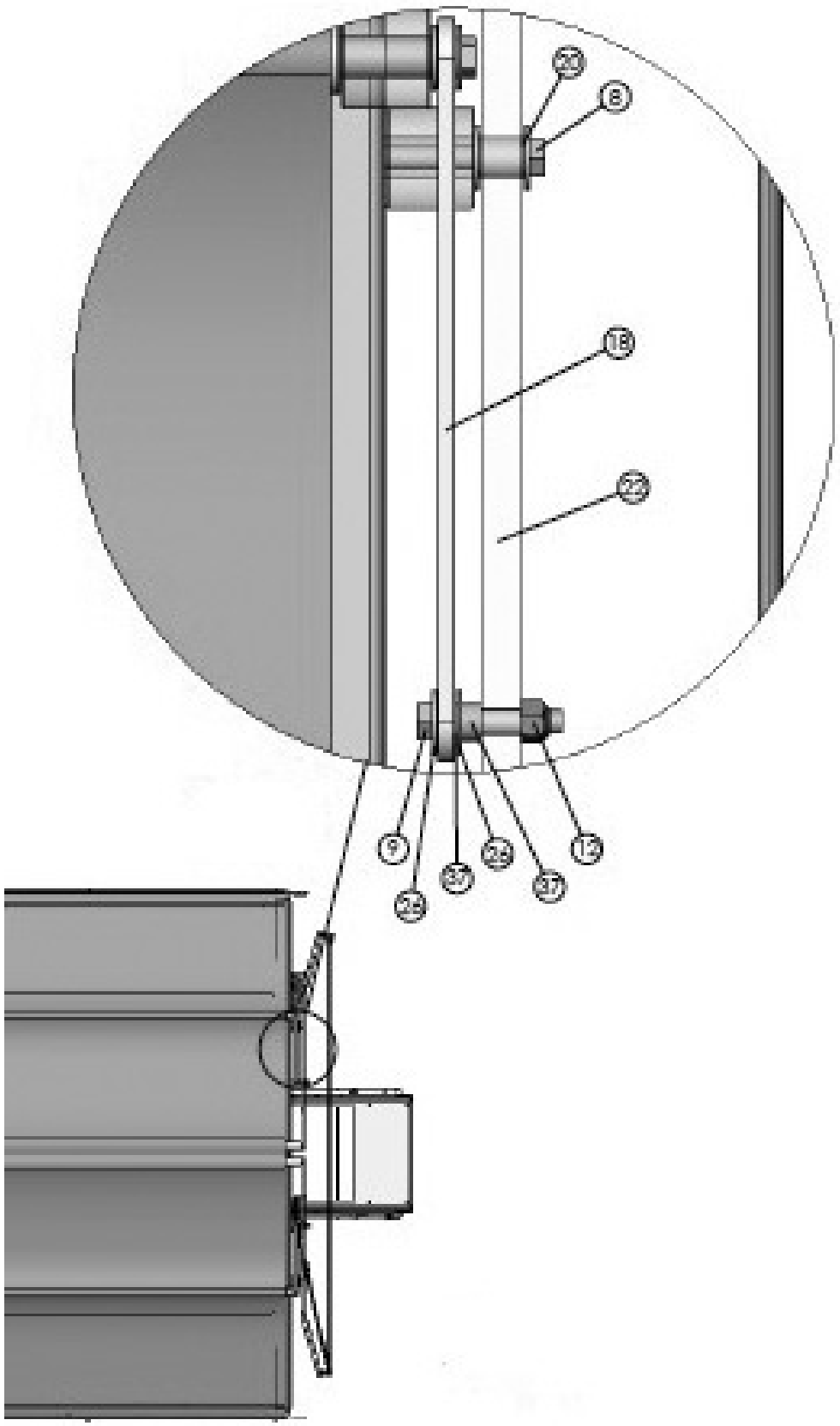
Body

Tarp



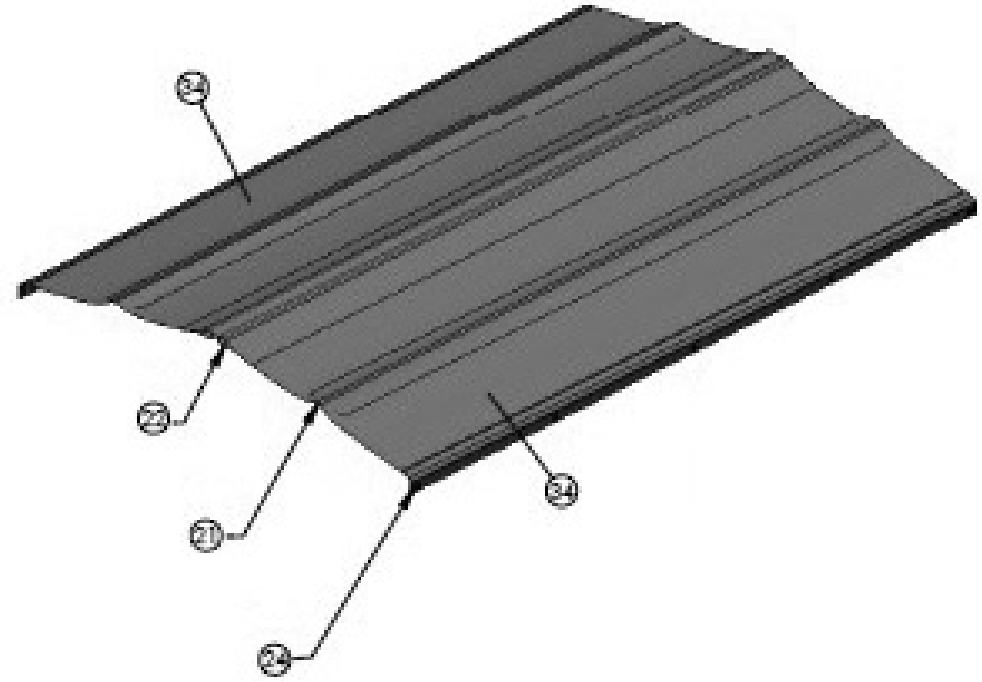
Body

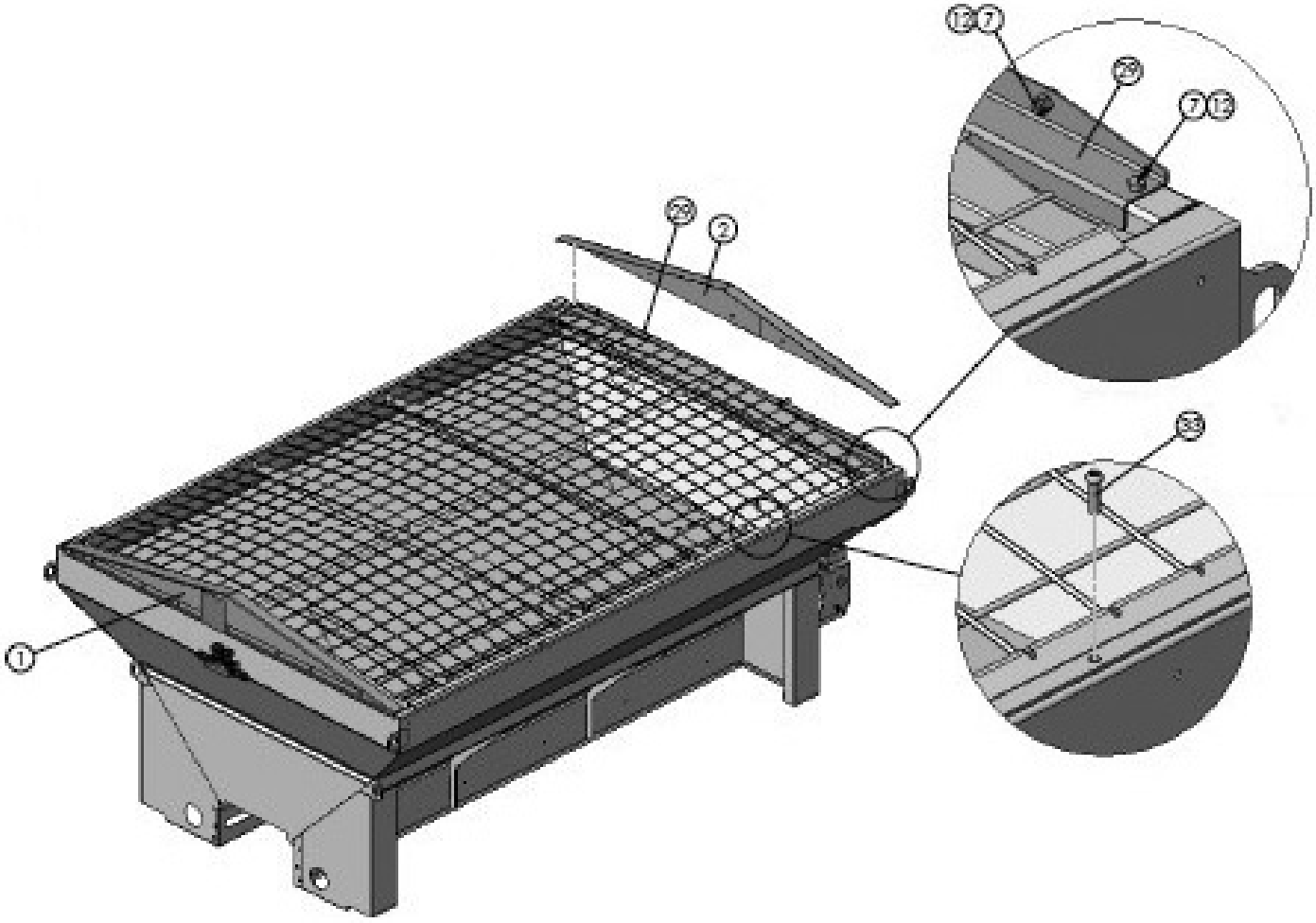
Tarp



Body

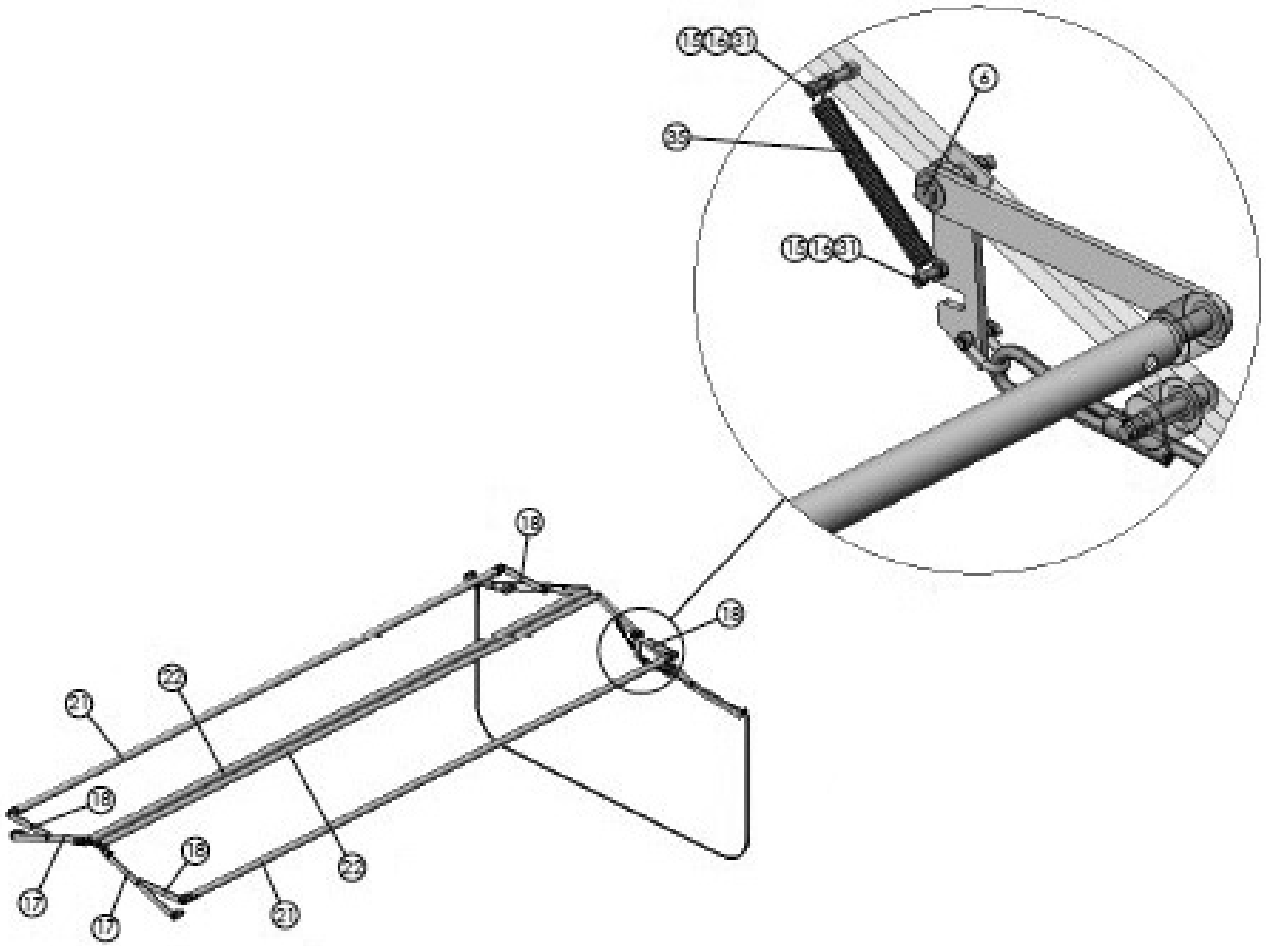
Tarp





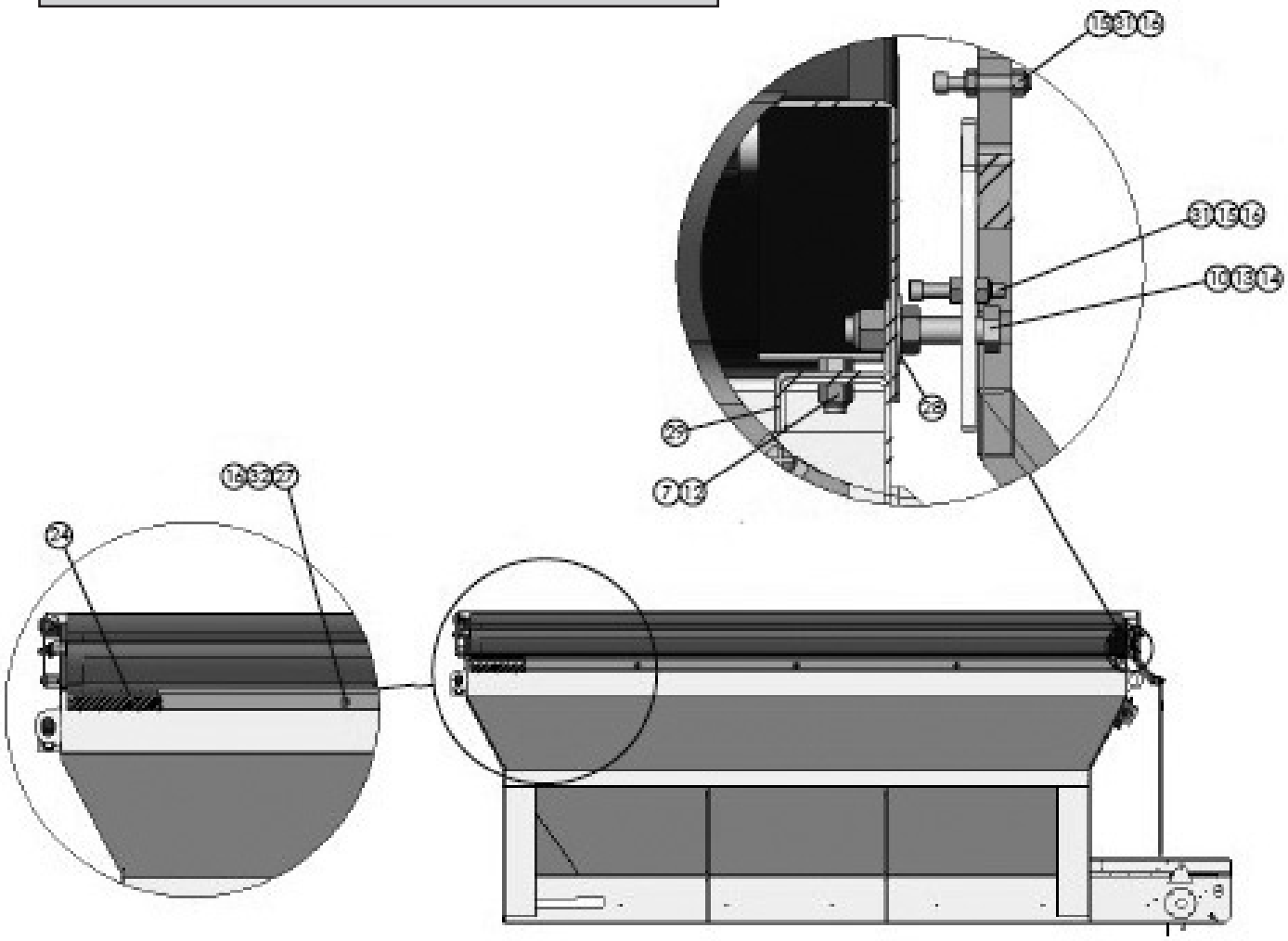
Body

Tarp



Body

Tarp



ITEM	PART NO.	DESCRIPTION	QTY
1	308407	Plate - Wldmt Tarp End Frnt	1
2	308408	Plate - Wldmt Tarp End Rear	1
3	36296	Capscrew - .3846 X 2.75 SS	2
4	34858	Capscrew - .375-16nc X 1.5 SS	2
5	36400	Capscrew - .375-16nc X 2.5 SS	4
6	71828	Capscrew - .375-16nc X 2.25 SS	1
7	36293	Capscrew - .375-16nc X .75 SS	14
8	71827	Capscrew - .375-16nc X 3 SS	2
9	34859	Capscrew - .375-16nc X 2 SS	1
10	42454	Capscrew - .5-13nc X 2.5 SS	1
11	36399	Capscrew - .375-16nc X 1.25 SS	4

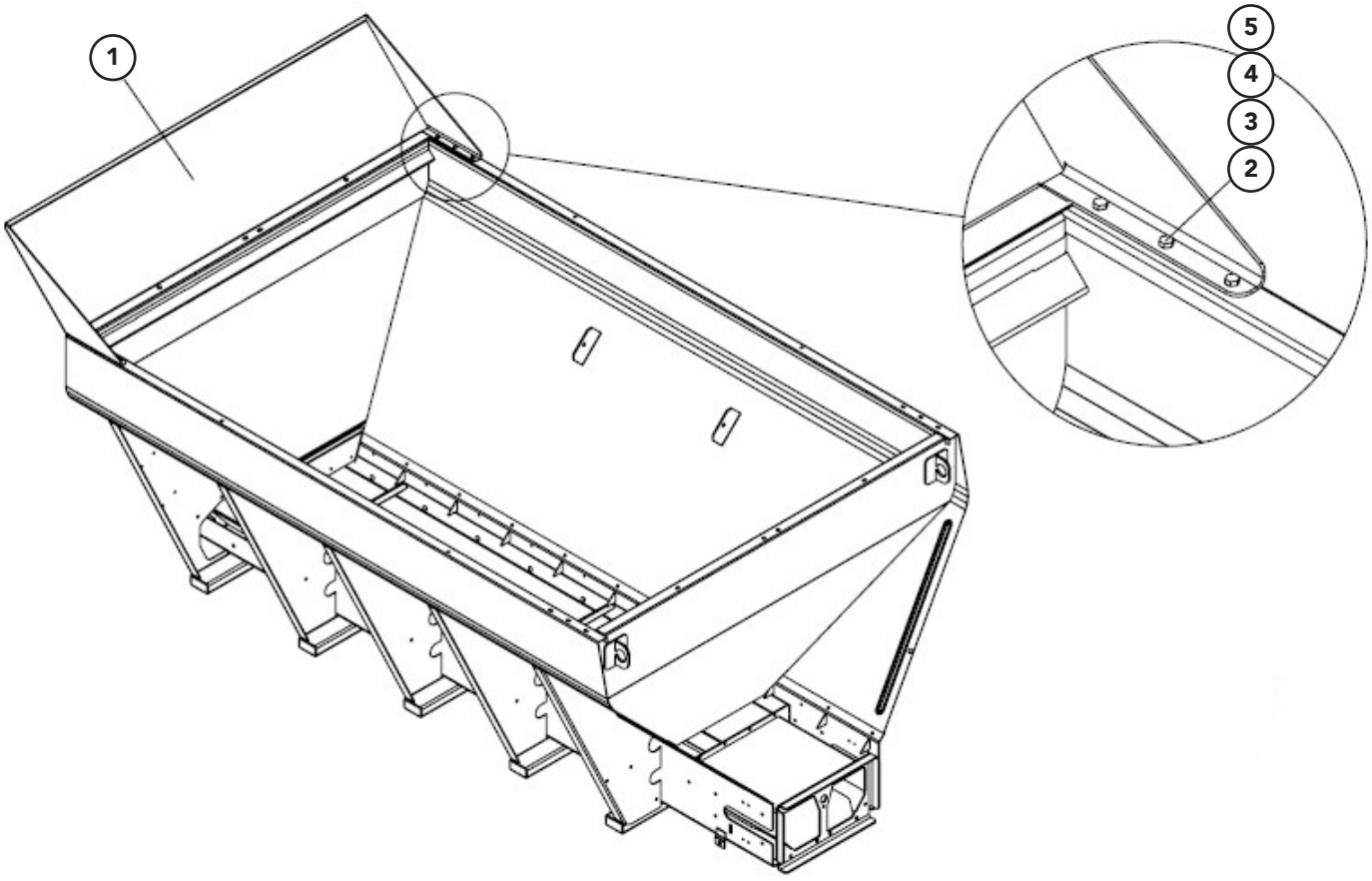
Body

Tarp

ITEM	PART NO.	DESCRIPTION	QTY
12	72054	Nut - Lock .375-16nc SS	26
13	36416	Nut - Hex .5-13nc SS	1
14	39016	Nut - Lock .5-13nc SS	1
15	42034	Nut - Lock .25-20nc SS	2
16	36412	Nut - Hex .25-20nc SS	12
17	309504	Linkage - Tarp Long Galv	2
18	309505	Linkage - Tarp Short Galv	4
19	308398	Roller - Tarp	8
20	308401	Spacer - .625od X .385id X .719 304	10
21	309501	Pipe - Tarp Outer 10' Galv	2
22	309498	Pipe - Tarp Inner 10' Galv	2
23	309506	Lock - Tarp Front Galvanized	1
24	309508	Flat - Anchor Tarp 10' Galv	2
25	309507	Lock - Tarp Rear Galvanized	1
26	36425	Washer - Flat .375 SS	29
27	21423-X1	Washer - Flat .25 Special SS	10
28	36426	Washer - Flat .5 SS	1
29	308404	Angle - Mounting Plate End 304	2
30	309497	Stop - Lock Galvanized	1
31	308047	Capscrew - .25-20nc X 1.5 SS	2
32	42033	Screw - Truss Head .25-20nc X 1 SS	10
33	71772	Screw - Buttonhead .375-16nc X 1.25 SS	2
34	308409	Tarp - 10'	2
	308373	Tarp - 12'	2
	308422	Tarp - 14’	2
35	308411	Spring - .625od X .4 X .063 SS	1
36	308412	Shackle - D .25 X .313 X .875	2
37	88050	Spacer - Dump Over Chute 304	14
38	308406	Plug - Plastic .75	4
39	308400	Rope - Tarp	1

Body

Spill Shield



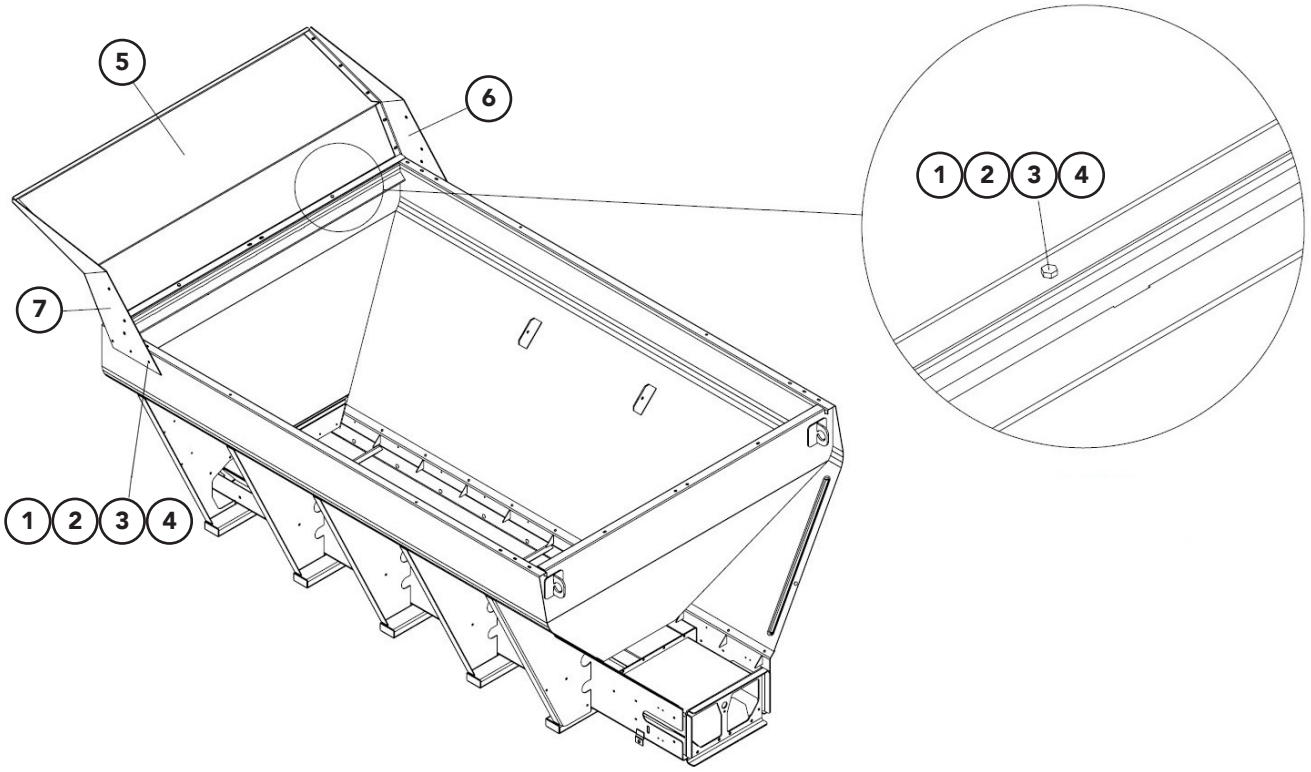
Body

Spill Shield

ITEM	PART NO.	DESCRIPTION	QTY
1	318715	Shield - Wldmt Spill 304	1
2	36398	Capscrew - .375-16nc X 1 SS	8
3	36420	Washer - Lock .375 SS	8
4	36414	Nut - Hex .375-16nc SS	8
5	36425	Washer - Flat .375 SS	8

Body

Cab Shield



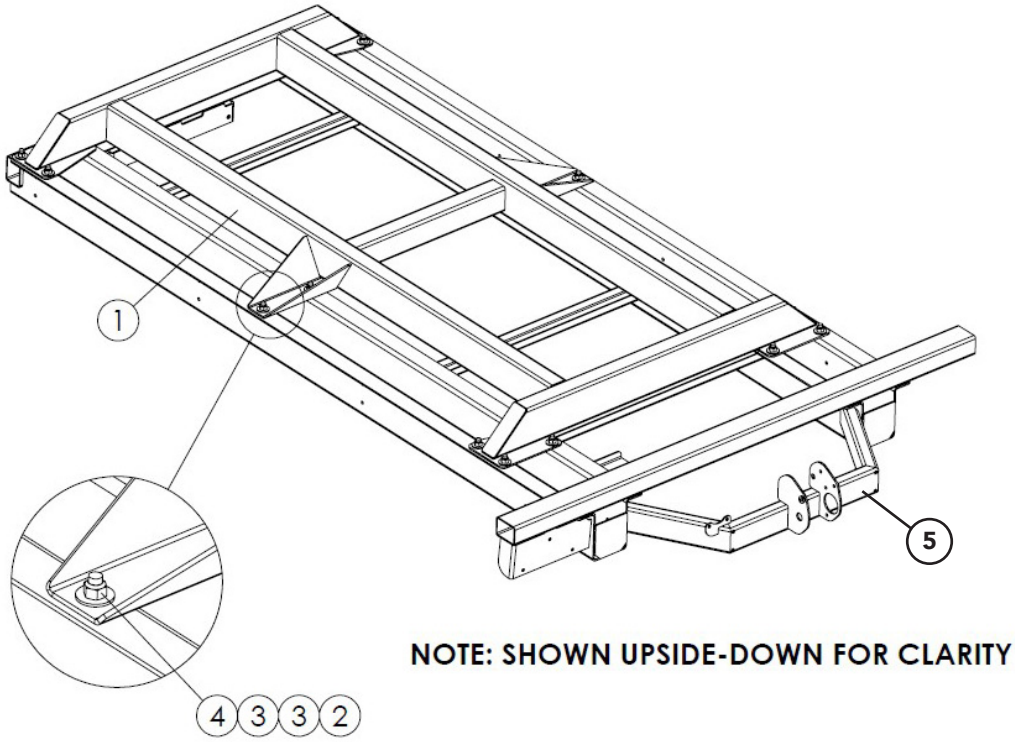
Body

Cab Shield

ITEM	PART NO.	DESCRIPTION	QTY
1	36398	Cap Screw – 3/8 x 1	AR
2	36425	Washer – Flat 3/8	AR
3	36420	Washer – Lock 3/8	AR
4	36414	Nut – Hex 3/8	AR
5	318776	Panel – Shield 57″ Cab Height	1
-	318777	Panel – Shield 63″ Cab Height	1
-	318778	Panel – Shield 69″ Cab Height	1
6	79170	Support – RH 57″ Cab Height	1
-	79174	Support – RH 63″ Cab Height	1
-	79178	Support – RH 69″ Cab Height	1
7	79172	Support – LH 57″ Cab Height	1
-	79176	Support – LH 63″ Cab Height	1
-	79180	Support – LH 69″ Cab Height	1

Truck Chassis Mount

Subframe



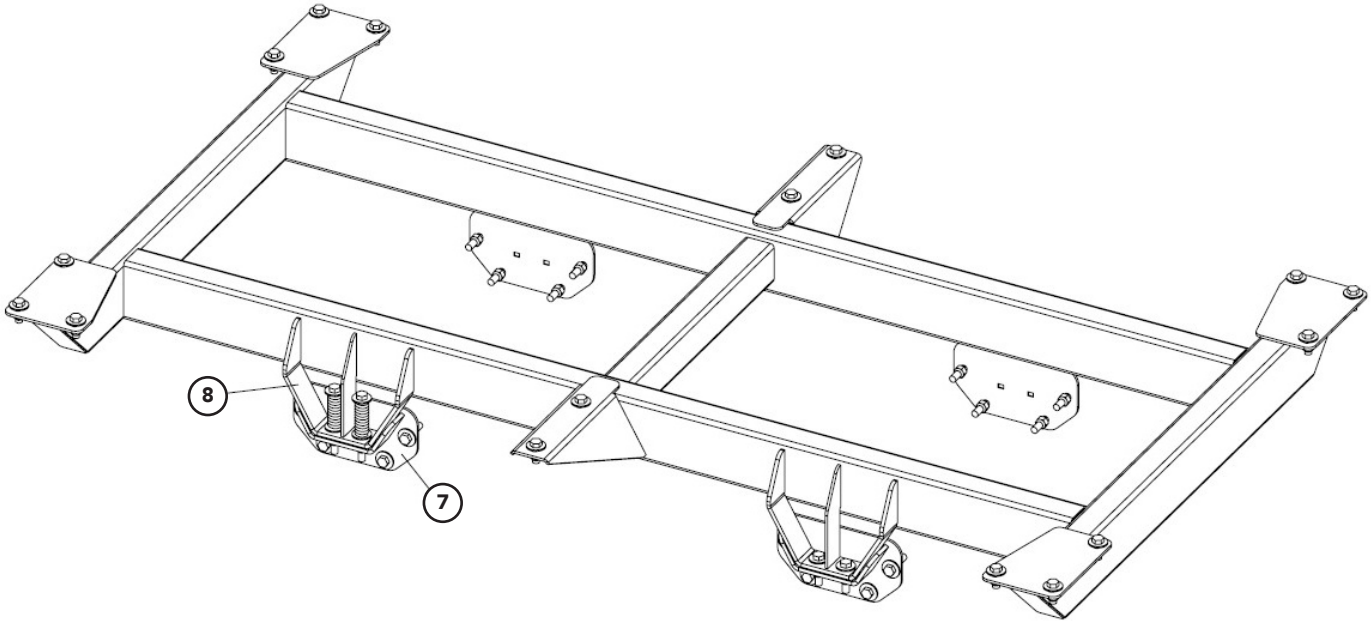
NOTE: SHOWN UPSIDE-DOWN FOR CLARITY

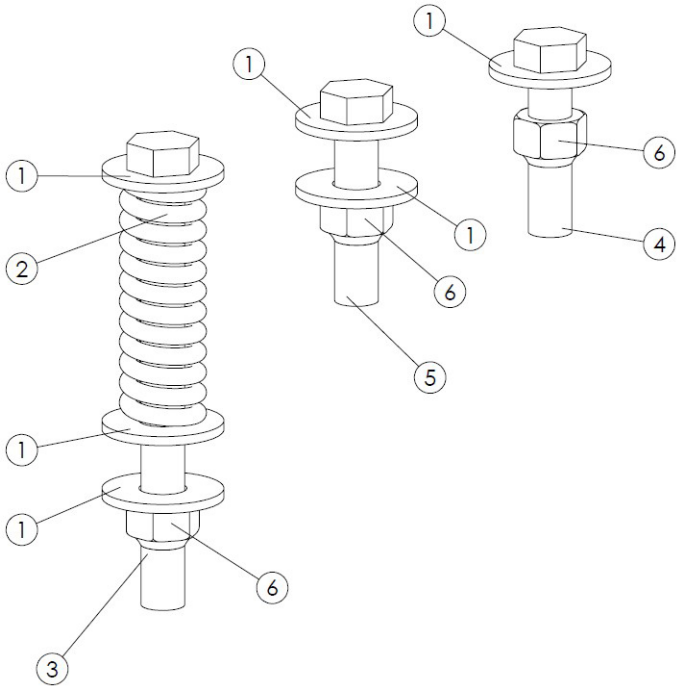
ITEM	PART NO.	DESCRIPTION	QTY
1	309487	Frame - Wldmt Tcmt 10'	1
	309482	Frame - Wldmt Tcmt 12’	1
	309466	Frame - Wldmt Tcmt 14’	1
2	20176	Capscrew - .625-11nc X 1.75	AR
3	20697	Washer - Flat .625 Zn	AR
4	20682	Nut - Lock .625-11nc Zn	AR
5	319158	Subframe - Galvanized TCMT 10’	1
	319160	Subframe - Galvanized TCMT 12’	1
	319162	Subframe - Galvanized TCMT 14’	1

AR - As Required

Truck Chassis Mount

Mount Kit





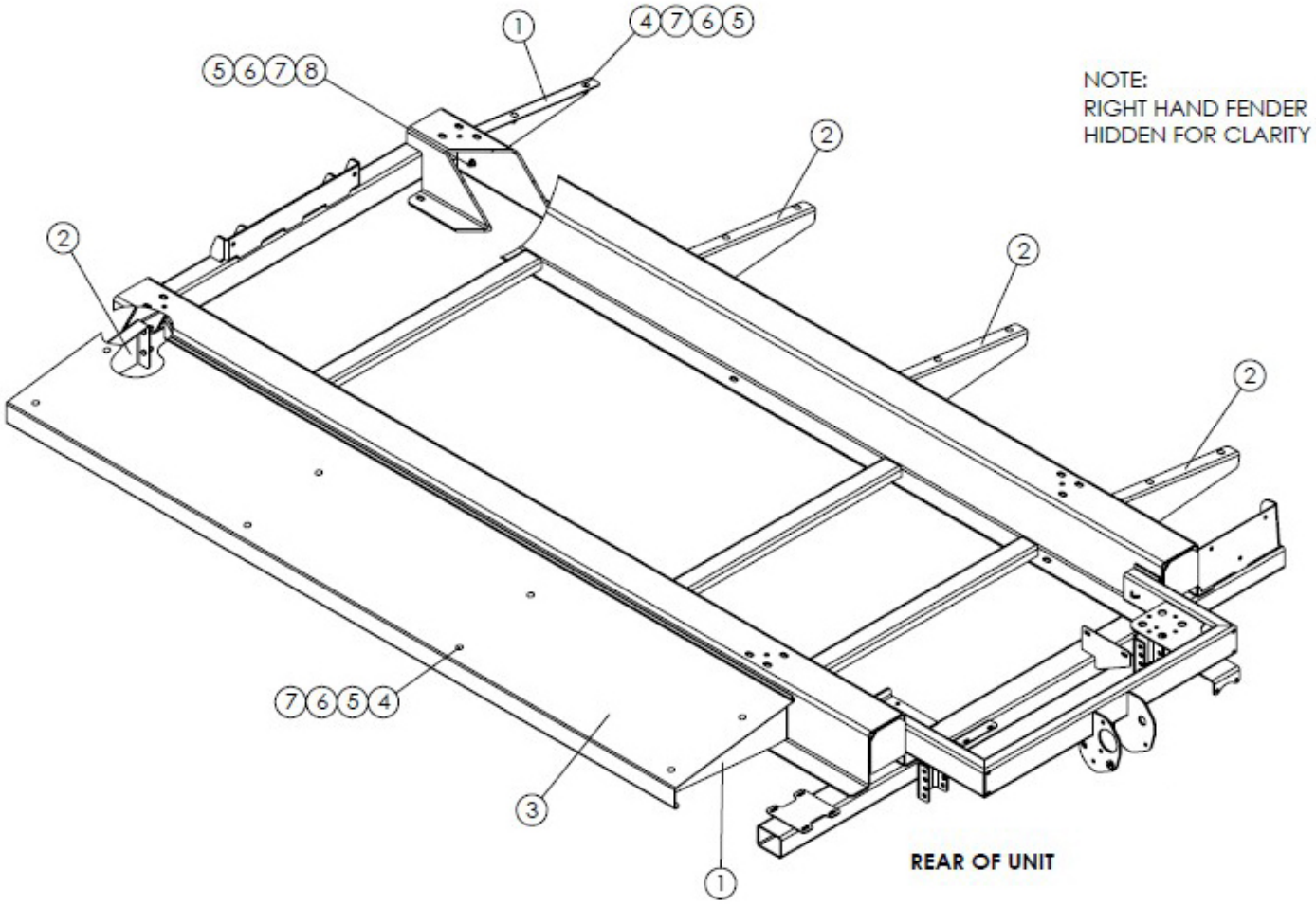
Truck Chassis Mount

Mount Kit

ITEM	PART NO.	DESCRIPTION	QTY		
			10′	12′	14′
1	20697	Washer - Flat .625 Zn	52	52	52
2	81000	Spring - Compression	4	4	4
3	20195	Capscrew - .625-11nc X 6.5 Gr5	4	4	4
4	20179	Capscrew - .625-11nc X 2.5 Gr5	24	24	24
5	20180	Capscrew - .625-11nc X 2.75	8	8	8
6	20682	Nut - Lock .625-11nc Zn	36	36	36
7	316963	Mount - Wldmt Chassis	4	6	6
8	316964	Tiedown - Wldmt Mount	4	6	6

Truck Chassis Mount

Fenders

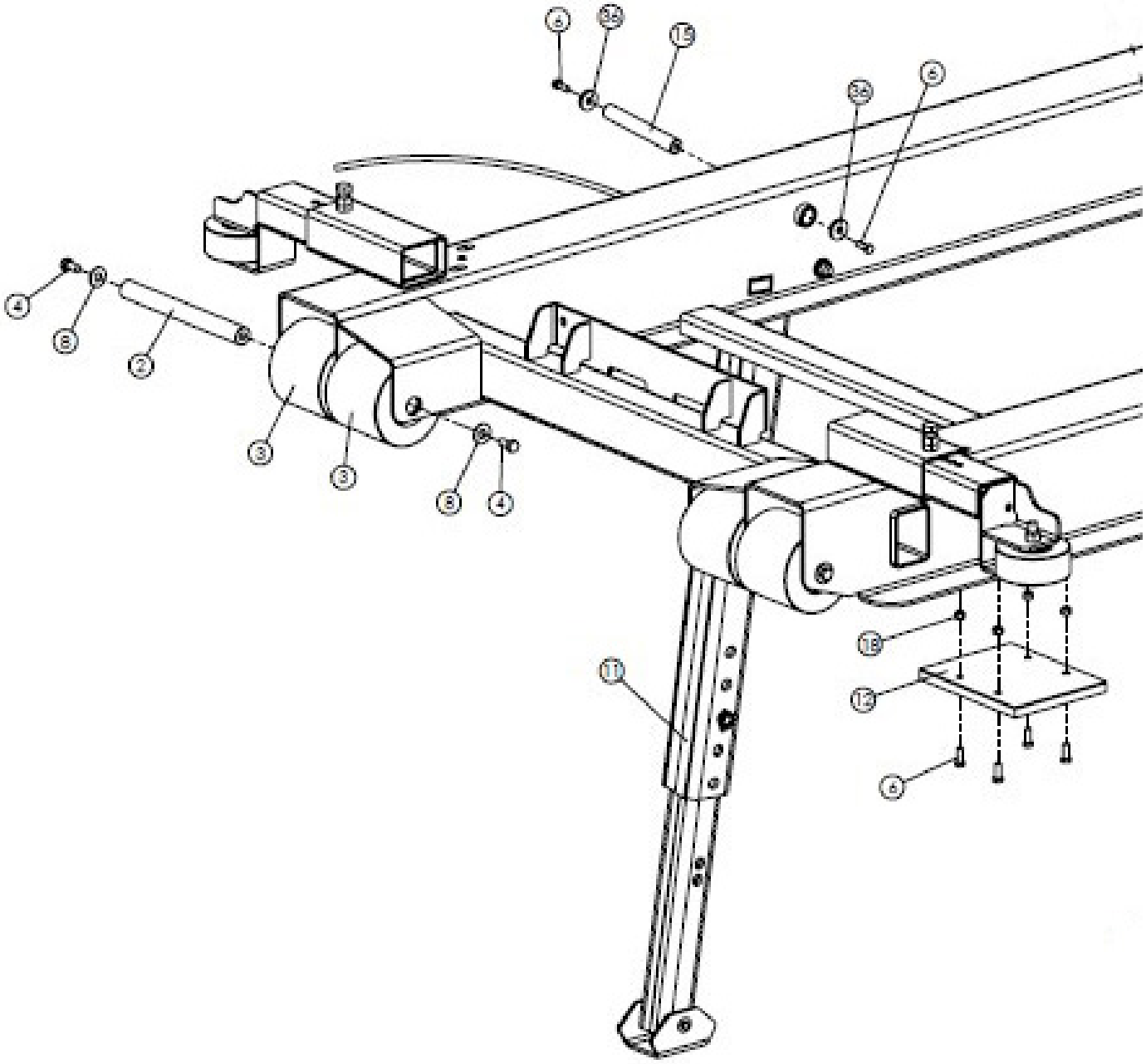


ITEM	PART NO.	DESCRIPTION	QTY		
			10'	12'	14'
1	309470	Bracket - Fender Rh 201	4	5	5
2	309471	Bracket - Fender Lh 201	4	5	5
3	319142	Fender - Panel 10' 201	2		
	319143	Fender - Panel 12' 201		2	
	319144	Fender - Panel 14' 201			2
4	36408	Bolt - Carriage .375-16nc X 1	16	20	20
5	36425	Washer - Flat .375 SS	48	60	60
6	36420	Washer - Lock .375 SS	32	40	40
7	36414	Nut - Hex .375-16nc SS	32	40	40
8	36399	Capscrew - .375-16nc X 1.25 SS	16	20	20
9	*39200	Decal - Warning Slippinghazard	2	2	2

* Not Shown

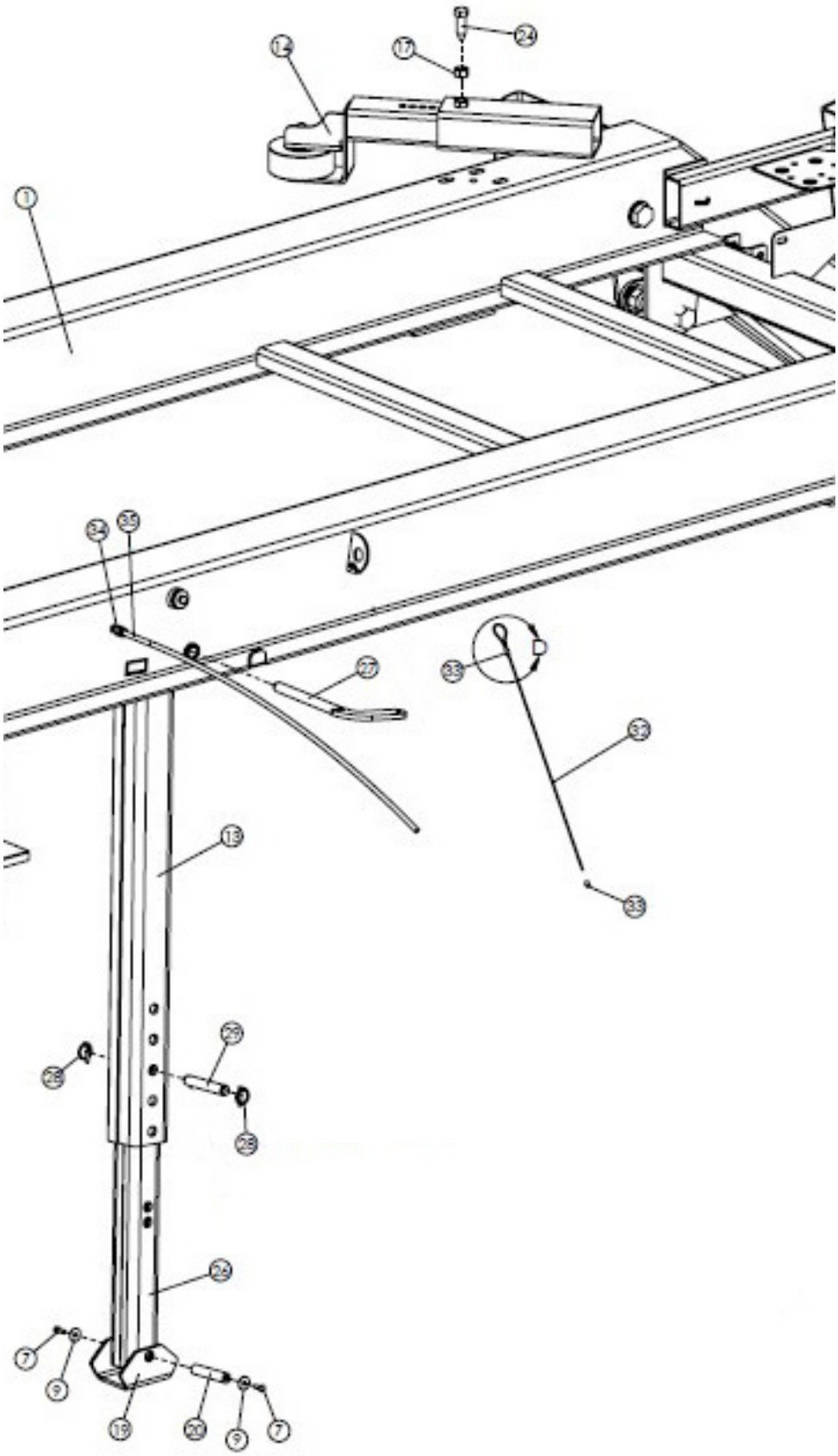
Dump Body Mount

Subframe



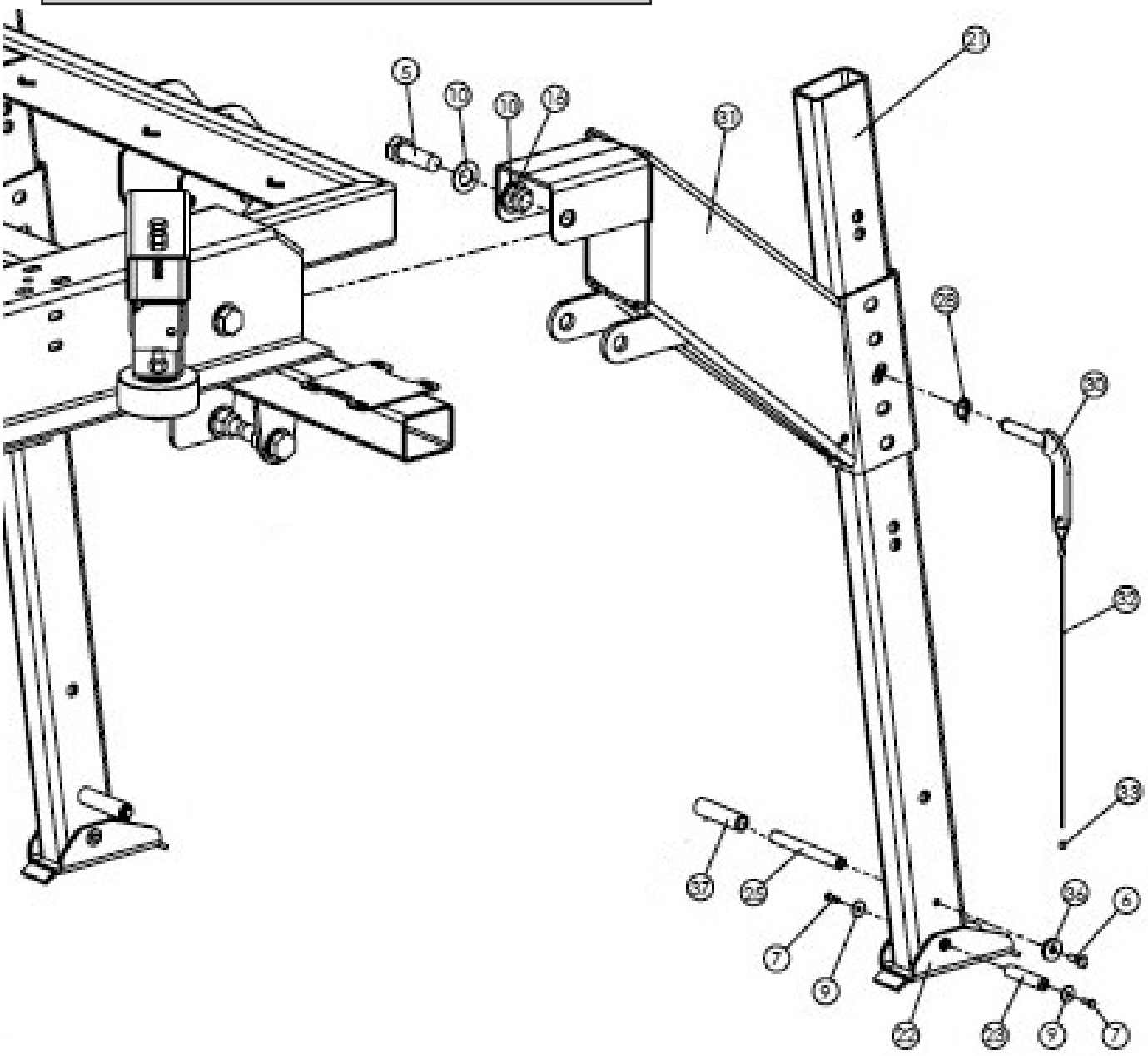
Dump Body Mount

Subframe



Dump Body Mount

Subframe



ITEM	PART NO.	DESCRIPTION	QTY
1	319150	Subframe - Galvanized 10'	1
	319153	Subframe - Galvanized 12’	1
	319156	Subframe - Galvanized 14’	1
2	307790	Axle - Wheel Sub-Frame 304	2
3	307764	Wheel - Mount Roll-On	4
4	36401	Capscrew - .5-13nc X 1 SS	4
5	308086	Capscrew - 1-8nc X 2.5 SS	8

Dump Body Mount

Subframe

ITEM	PART NO.	DESCRIPTION	QTY
6	36398	Capscrew - .375-16nc X 1 SS	22
7	36393	Capscrew - .25-20nc X .75 SS	8
8	308089	Washer - Uss .5 X 1.375 Galv	4
9	308088	Washer - Fender .25 X 1 Galv	8
10	20700-X1	Washer - Flat 1 SS	16
11	308079	Leg - Assy Front Rh	1
12	307794	Pad - Mount Rubber	4
13	308078	Leg - Assy Front Lh	1
14	307766	Wheel - Assy Guide	4
15	307808	Pin - Hinge Leg 304	2
16	308087	Nut - Lock 1-8nc SS	8
17	36417	Nut - Hex .625-11nc SS	4
18	72054	Nut - Lock .375-16nc SS	16
19	308074	Foot - Front Galvanize	2
20	307809	Pin - Hinge Foot Front 304	2
21	308073	Leg - Rear Galvanized	2
22	308075	Foot - Rear Galvanized	2
23	307824	Pin - Hinge Rear Foot 304	2
24	307997	Capscrew - .625-11nc X 2 SS	4
25	308001	Handle - Leg 304	2
26	308072	Leg - Front Galvanized	2
27	308076	Pin - Lock Zinc Plated	2
28	308053	Pin - Lynch .188 X 1.25	6
29	308037	Pin - Leg Front Adjustment 304	2
30	308077	Pin - Rear Leg Zinc Plated	2
31	308069	Transition - Galvanize	2
32	308084	Cable - .094 X 24 Coated	4
33	308085	Ferrule - .185 X .374	8
34	9005-0-7818	Fitting - 6-2 630102b	2
35	9005-0-7797	Tube - .375od Air Brake Blue	6
36	307746	Spacer - .438id X .25 304	6
37	308246	Handgrip - Foam Tube	2

Dump Body Mount

Mount Kit

ITEM	PART NO.	DESCRIPTION	QTY
1	308215	Strap - Rachet	4

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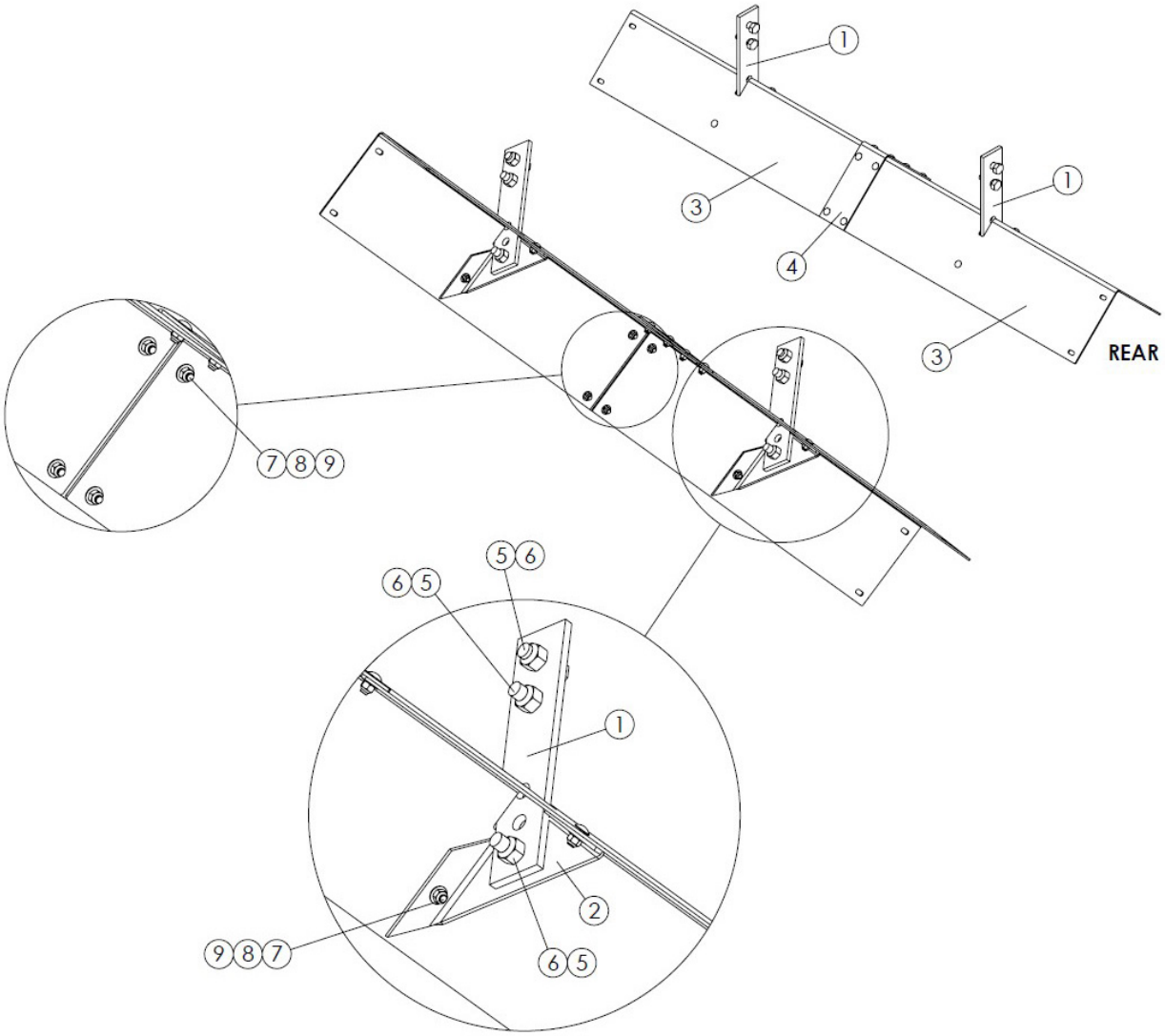
Inverted V-Assembly

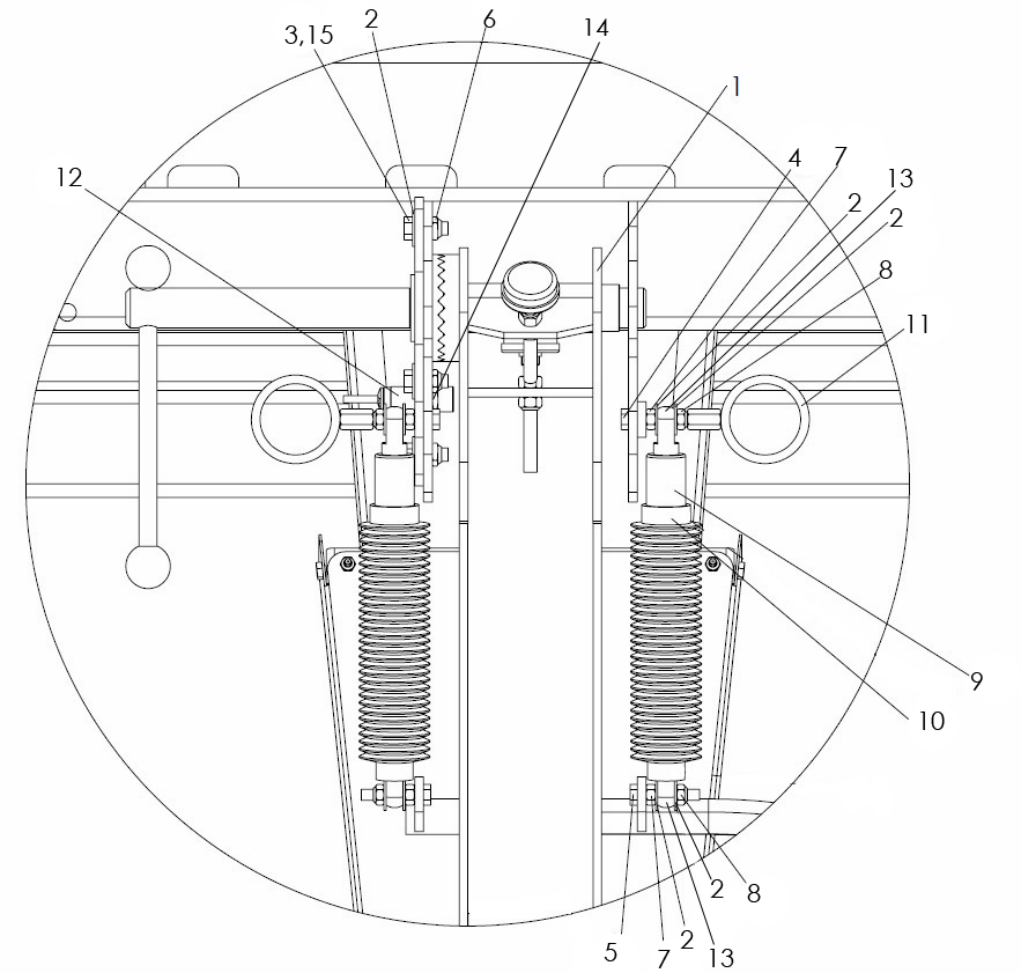


Inverted V-Assembly

ITEM	PART NO.	DESCRIPTION	QTY		
			10′	12′	14′
1	319217	Bar - Mounting 304	2	2	3
2	302371	Bracket - V Bolt-On 304	2	2	3
3	319214	V - Inverted 32.25 304 10′	2	-	-
	319215	V - Inverted 40.25 304 12′	-	2	-
	319216	V - Inverted 36 304 14′	-	-	3
4	319218	Angle - Splice 304	1	1	2
5	58800	Capscrew - .625-11nc X 1.75 SS	6	6	9
6	41762	Nut - Lock .625-11nc SS	6	6	9
7	96880	Bolt - Carriage .313-18nc X .75 SS	12	12	22
8	36424	Washer - Flat .313 SS	12	12	22
9	42221	Nut - Lock .313-18nc SS	12	12	22

Spinner

Spinner Pivot



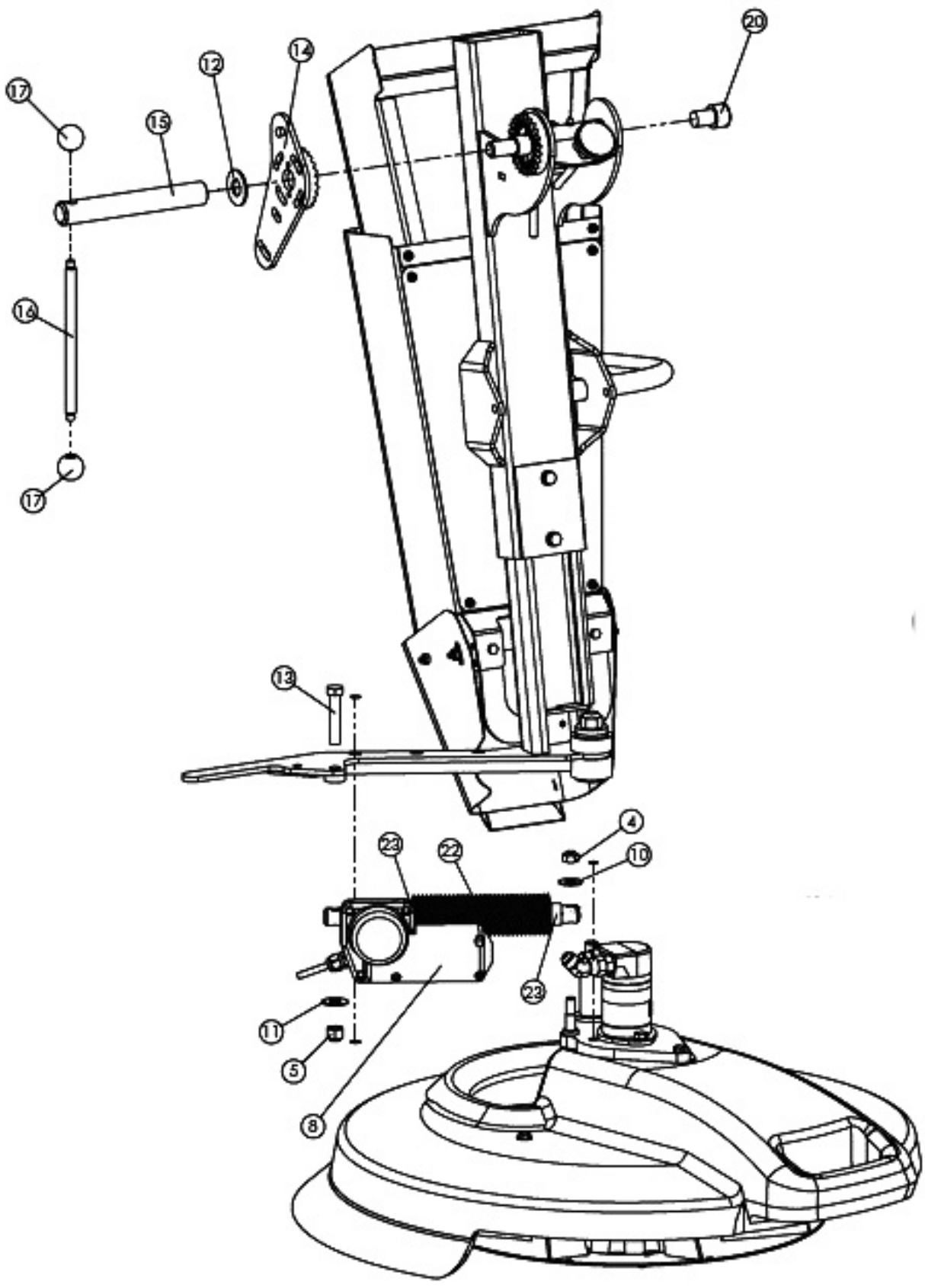
Spinner

Spinner Pivot

ITEM	PART NO.	DESCRIPTION	QTY
1	316778	Spinner - Assy	1
2	36425	Washer - Flat .375 SS	8
3	36399	Cap Screw - .375-16NC x 1-1/4 SS	3
4	308224	Cap Screw - .375-16NC x 2.5	2
5	308225	Cap Screw - .375-16NC x 1.75	2
6	307395	Nut - Lock thin .375-16NC SS	3
7	36414	Nut - Hex .375-16NC SS	4
8	72054	Nut - Lock .375-16NC SS	4
9	307972	Spring - Gas	2
10	307969	Bellows - Rod	2
11	307984	Ring - Wldmt 304	2
12	308179	Sensor - 18mm	1
13	308315	Rod End 304	4
14	308237	Washer - Star Internal	2
15	307746	Spacer - .438 x 1/4 304	3

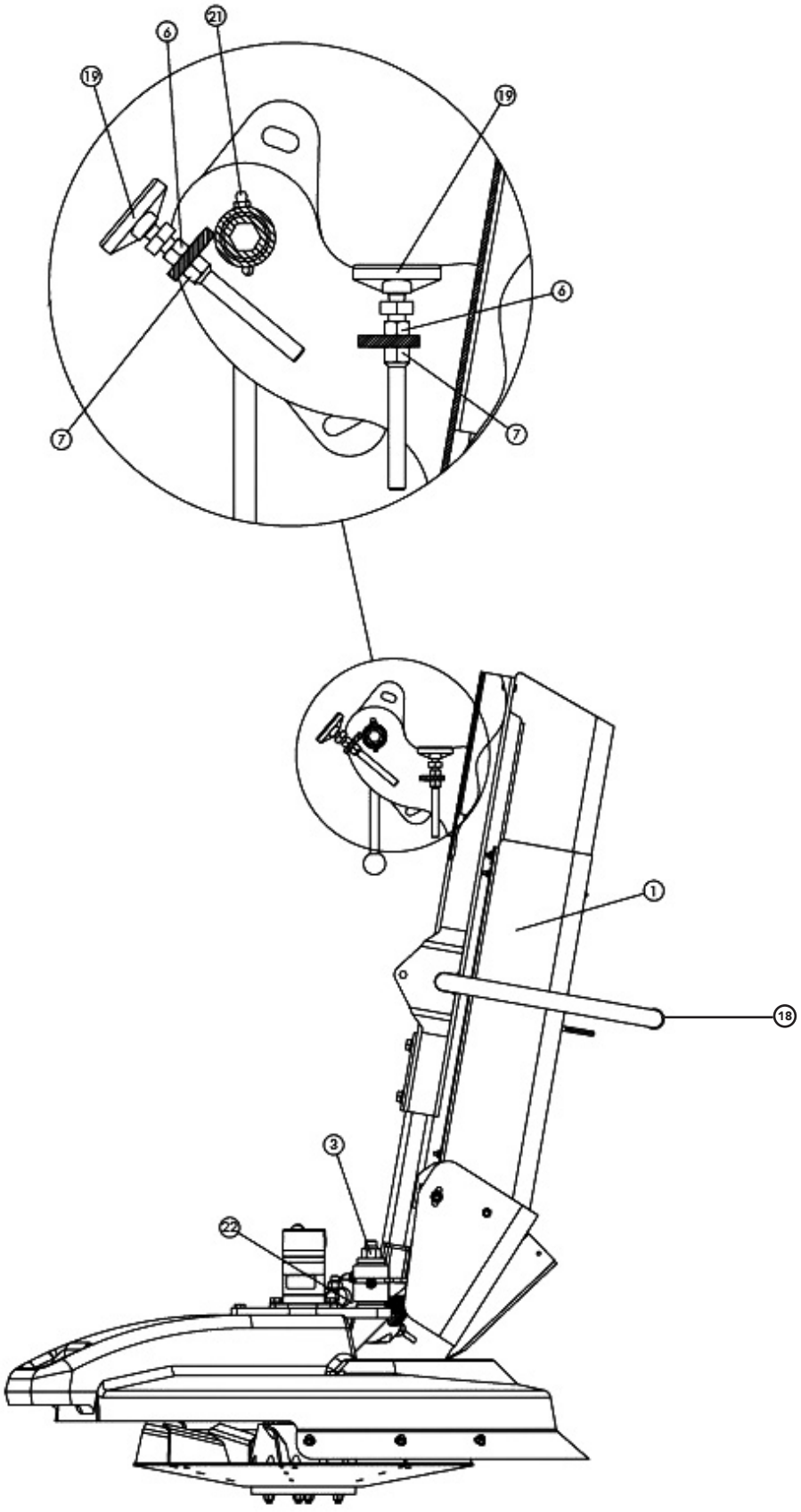
Spinner

Spinner Assembly



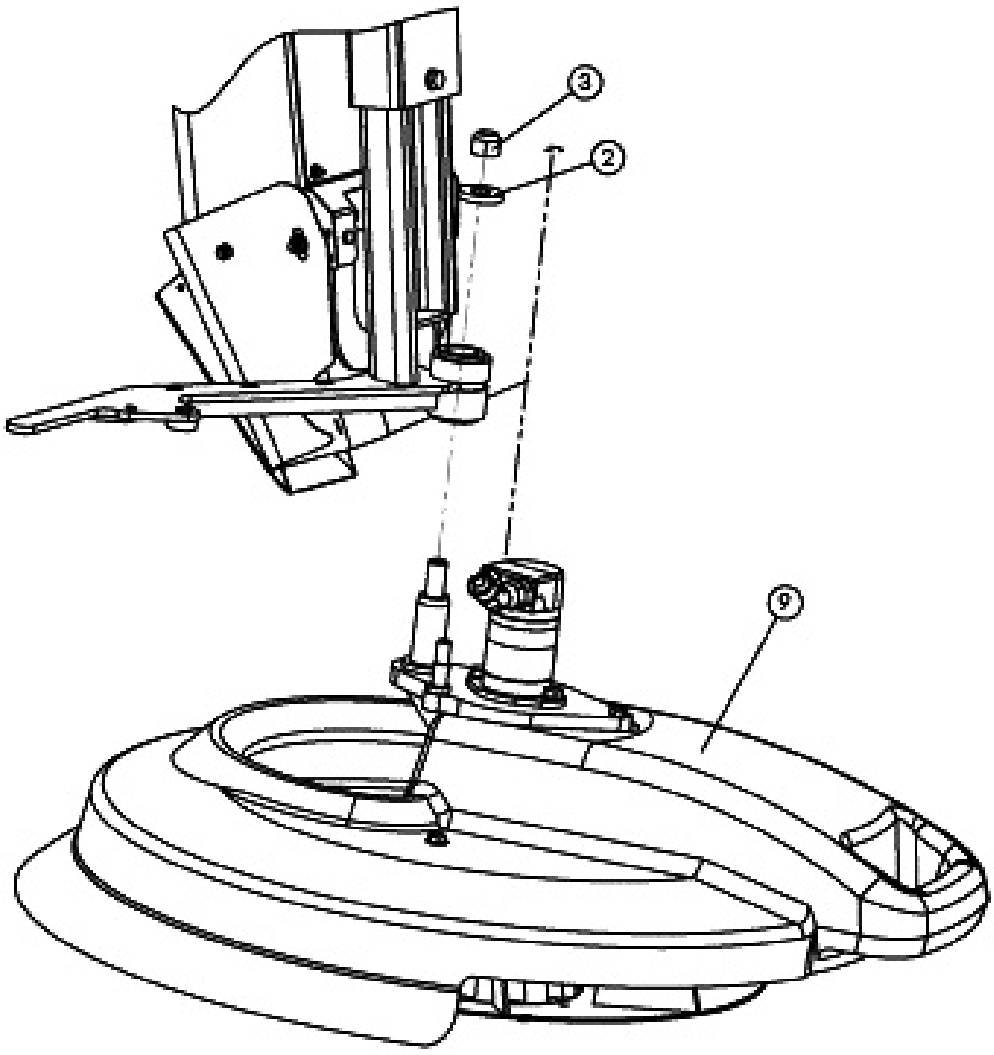
Spinner

Spinner Assembly



Spinner

Spinner Assembly



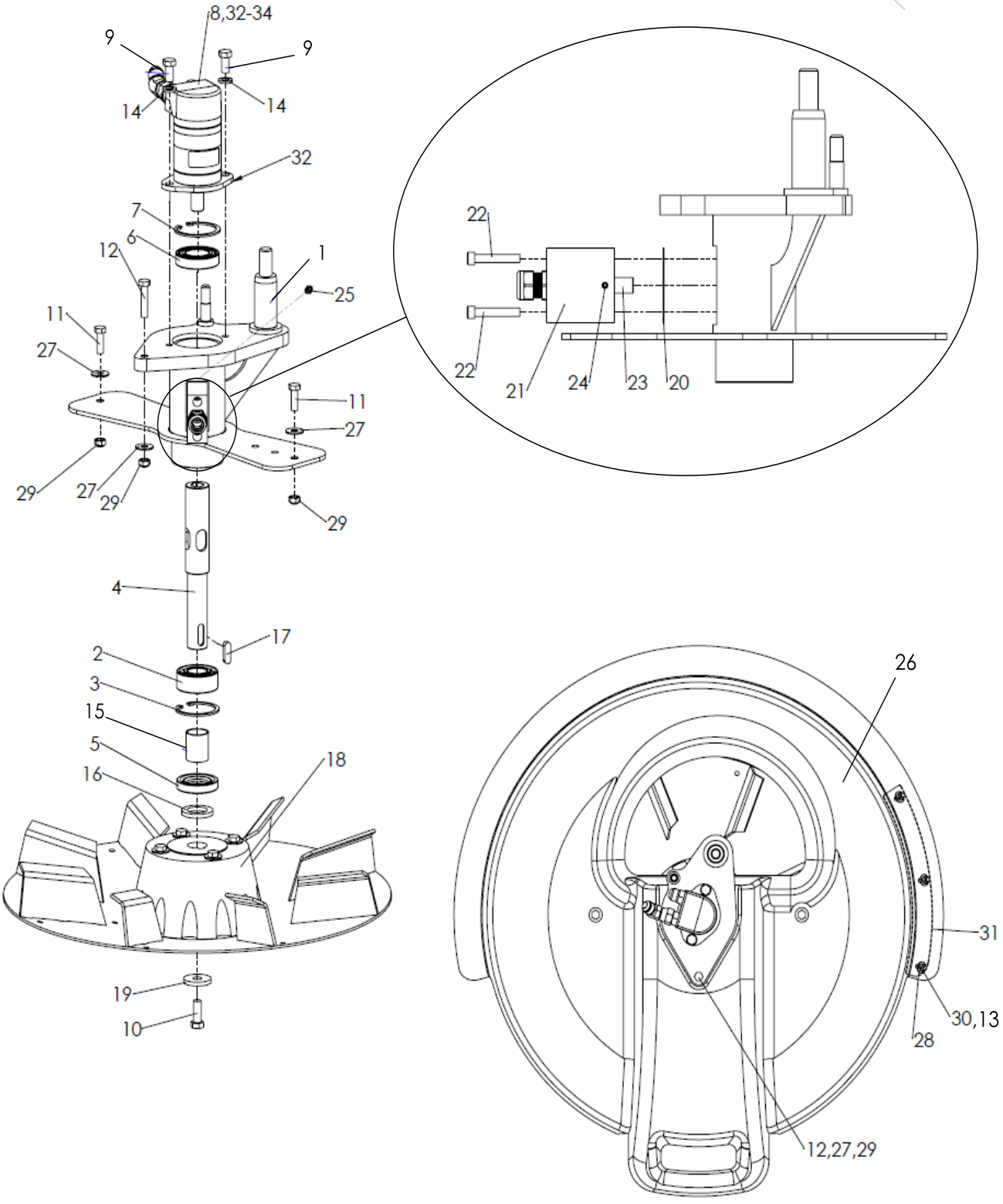
Spinner

Spinner Assembly

ITEM	PART NO.	DESCRIPTION	QTY
1	316779	Chute - Assy 304	1
2	307935	Washer - 1.563OD X .656ID X .250 304	1
3	41762	Nut - Lock .625-11NC SS	1
4	307987	Nut - Lock .438-20NF SS	1
5	39016	Nut - Lock .5-13NC SS	1
6	36414	Nut - Hex .375-16NC SS	2
7	72054	Nut - Lock .375-16NC SS	2
8	310168	Actuator - Linear Electric	1
9	307861	Spinner - Assy Lower	1
10	36295	Washer - Flat .438 SS	1
11	36426	Washer - Flat .5 SS	1
12	56408	Washer - Flat .75 SS	1
13	42454	Capscrew - .5-13NC X 2.5 SS	1
14	316786	Lock - Wldmt Chute 304	1
15	307916	Bar - Chute Rotation Lock 304	1
16	307917	Handle - 304	1
17	307918	Knob - 1.25	2
18	307953	Grip - Round Vinyl	1
19	307973	Foot - Leveling Swivel SS	2
20	307920	Screw - Socket Hd .75-10NC X 1	1
21	6072	Zerk - Grease 1/4-28Nf Strght	1
22	307969	Bellows - Rod	1
23	99674	Tie - Zip 8" Black	2

Spinner

Lower Spinner Assembly



Spinner

Lower Spinner Assembly

ITEM	PART NO.	DESCRIPTION	QTY
1	307883	OHLA - Wldmt 304	1
2	307876	Bearing - Ball Double Row 25mm	1
3	307877	Ring - Snap Internal 52mm	1
4	307873	Shaft - OHLA 304	1
5	307881	Seal - Shaft 28mm	1
6	307878	Bearing - Ball 30mm	1
7	307879	Ring - Snap Internal 55mm	1
8	307967	Motor - Assy Hyd includes items 32-34	1
9	36293	Cap Screw - .375-16NC x .75 SS	2
10	312456	Cap Screw - .375-16NC x 1 SS w/ Nylon Strip	1
11	34580	Cap Screw - .313-18NC x 1 SS	2
12	308056	Cap Screw - .313-18NC x 1.5 SS	1
13	36394	Cap Screw - .25-20NC x .875 SS	3
14	36420	Washer - Lock .375 SS	2
15	307882	Spacer - Spinner 304	1
16	307880	Spacer - 1.000 ID x 7 GA 304	1
17	307747	Key - Rect .313 x .25 x 1 SS	1
18	307773	Spinner - Disc Assy	1
19	307746	Spacer - .438 ID x 7GA 304	1
20	307885	Gasket - Mount Sensor	1
21	307884	Block - Sensor	1
22	308047	Cap Screw - Socket HD .25-20NC x 1.5 SS	2
23	308177	Sensor - 12mm	1
24	308048	Screw - Set Nylon Tip #10-24NC x .25 SS	1
25	6072	Zerk - Grease	1
26	307919	Shroud - Spinner	1
27	36424	Washer - Flat .313 SS	3
28	36423	Washer - Flat .25 SS	6
29	42221	Nut - Lock .313-18NC SS	3
30	42034	Nut - Lock .25-20NC SS	3

Spinner

Lower Spinner Assembly

ITEM	PART NO.	DESCRIPTION	QTY
31	307961	Strip - Wear 304	1
32	307783	Motor - Hyd 1.21 CID	1
33	34809	Fitting - 8-6 070120	2
34	34805	Fitting - 8-8 070321	1

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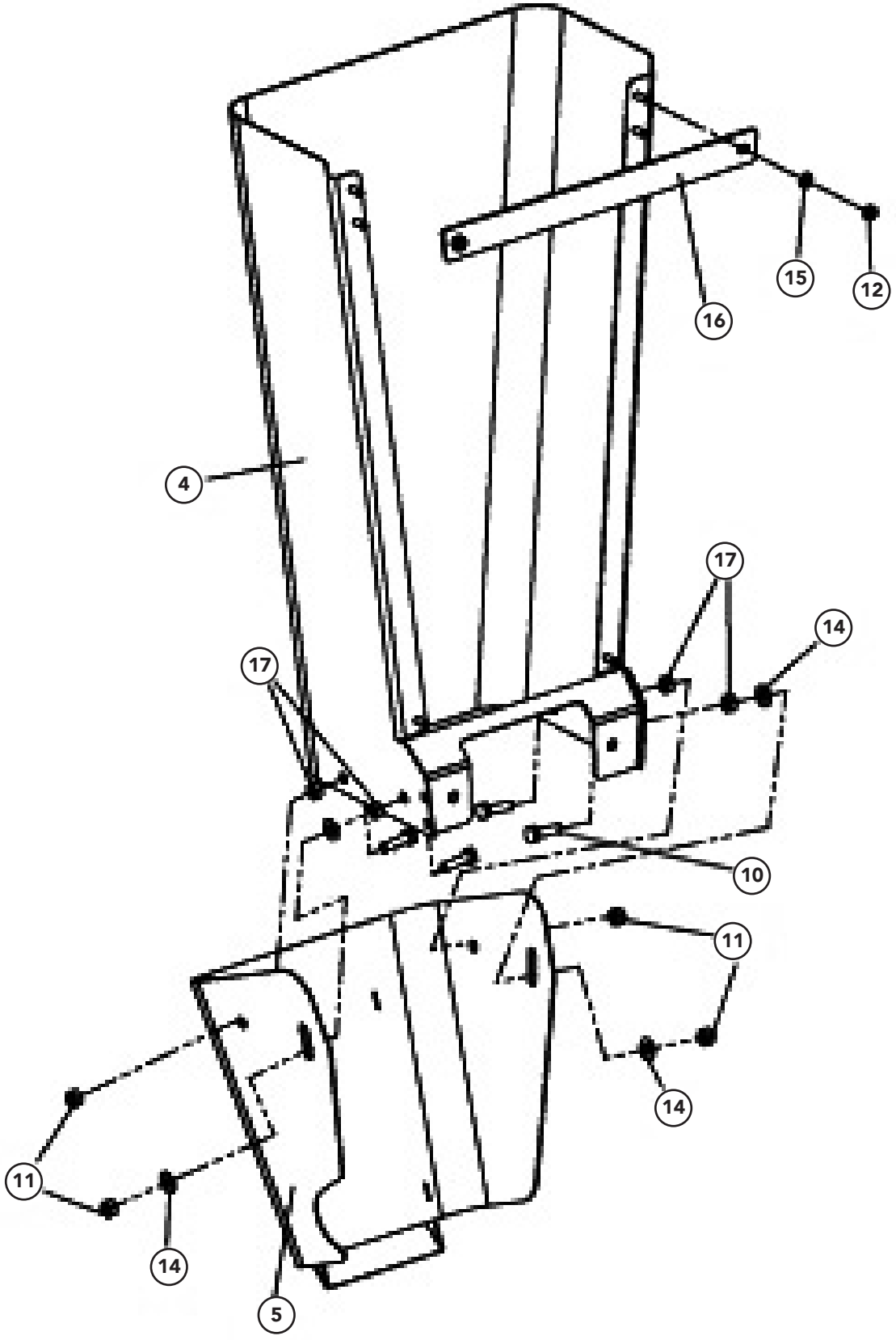
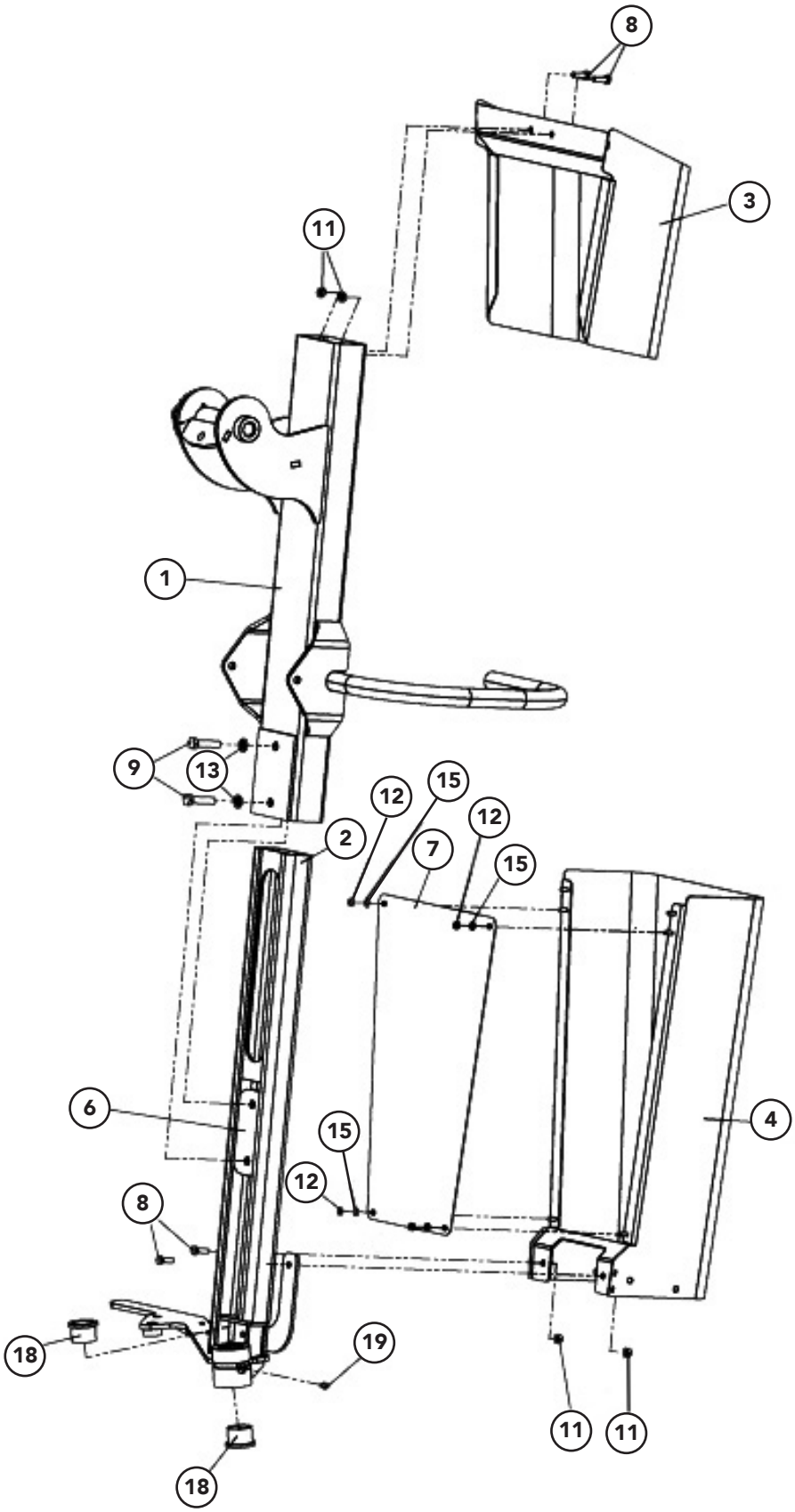
Spinner

Chute Assembly



Spinner

Chute Assembly



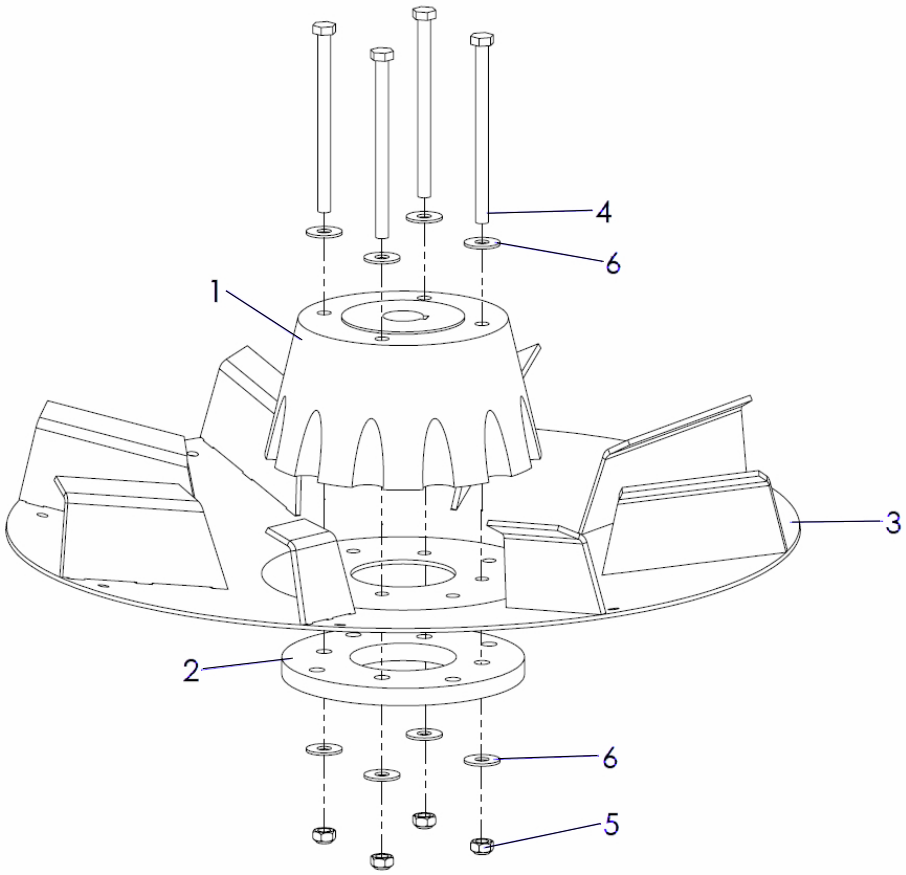
Spinner

Chute Assembly

ITEM	PART NO.	DESCRIPTION	QTY
1	316780	Support - Wldmt Chute Upper	1
2	316781	Chute - Wldmt Lower Support	1
3	316789	Chute - Wldmt Upper 304	1
4	316793	Chute - Wldmt Lower 304	1
5	307851	Chute - Wldmt Lower Deflector	1
6	307853	Chute - Wldmt Lock Plate 304	1
7	307856	Cover - Lower Chute 304	1
8	36393	Capscrew - .25-20NC X .75 SS	4
9	34858	Capscrew - .375-16NC X 1.5 SS	2
10	36394	Capscrew - .25-20NC X .875 SS	4
11	42034	Nut - Lock .25-20NC SS	8
12	307974	Nut - Locking #10-32Nf SS	6
13	36420	Washer - Lock .375 SS	2
14	36423	Washer - Flat .25 SS	4
15	171052	Washer - Flat #10 SS	6
16	316808	Bracket - Wldmt Lower Chute	1
17	36412	Nut - Hex .25-20NC SS	4
18	307887	Bearing - Flanged Bronze	2
19	311663	Zerk - Grease .25-28 Straight	1

Spinner

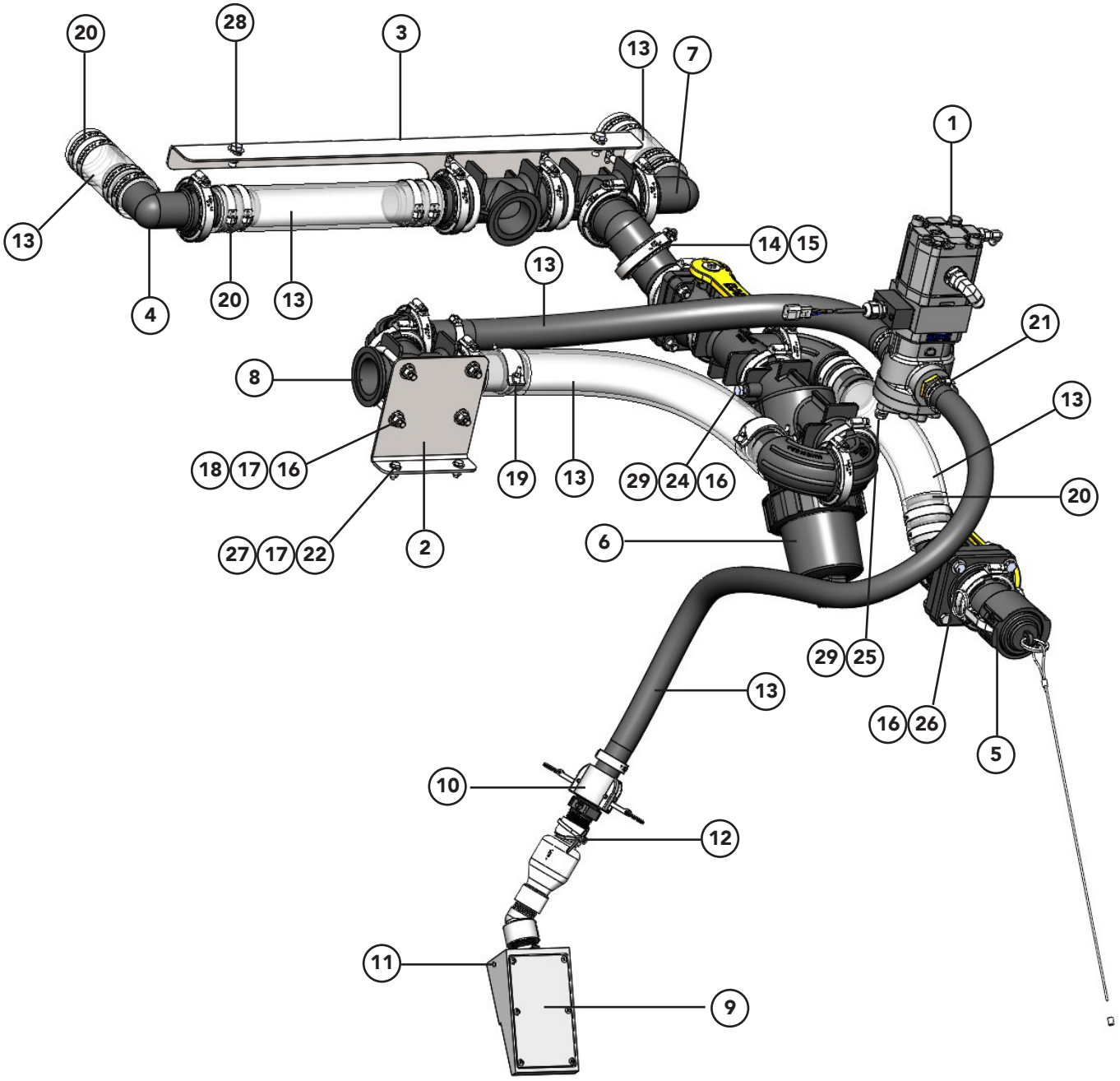
Spinner Disc Assembly



ITEM	PART NO.	DESCRIPTION	QTY
1	307776	Hub	1
2	307777	Hub - Bottom Doubler	1
3	307774	Spinner - Wldmt Disc 304	1
4	307921	Cap Screw - .313-18NC x 4.5 SS	4
5	42221	Nut - Lock .313-18NC SS	4
6	36424	Washer - Flat .313 SS	8

Liquid System

Liquid - Assy Prewet 25 GPM



Liquid System

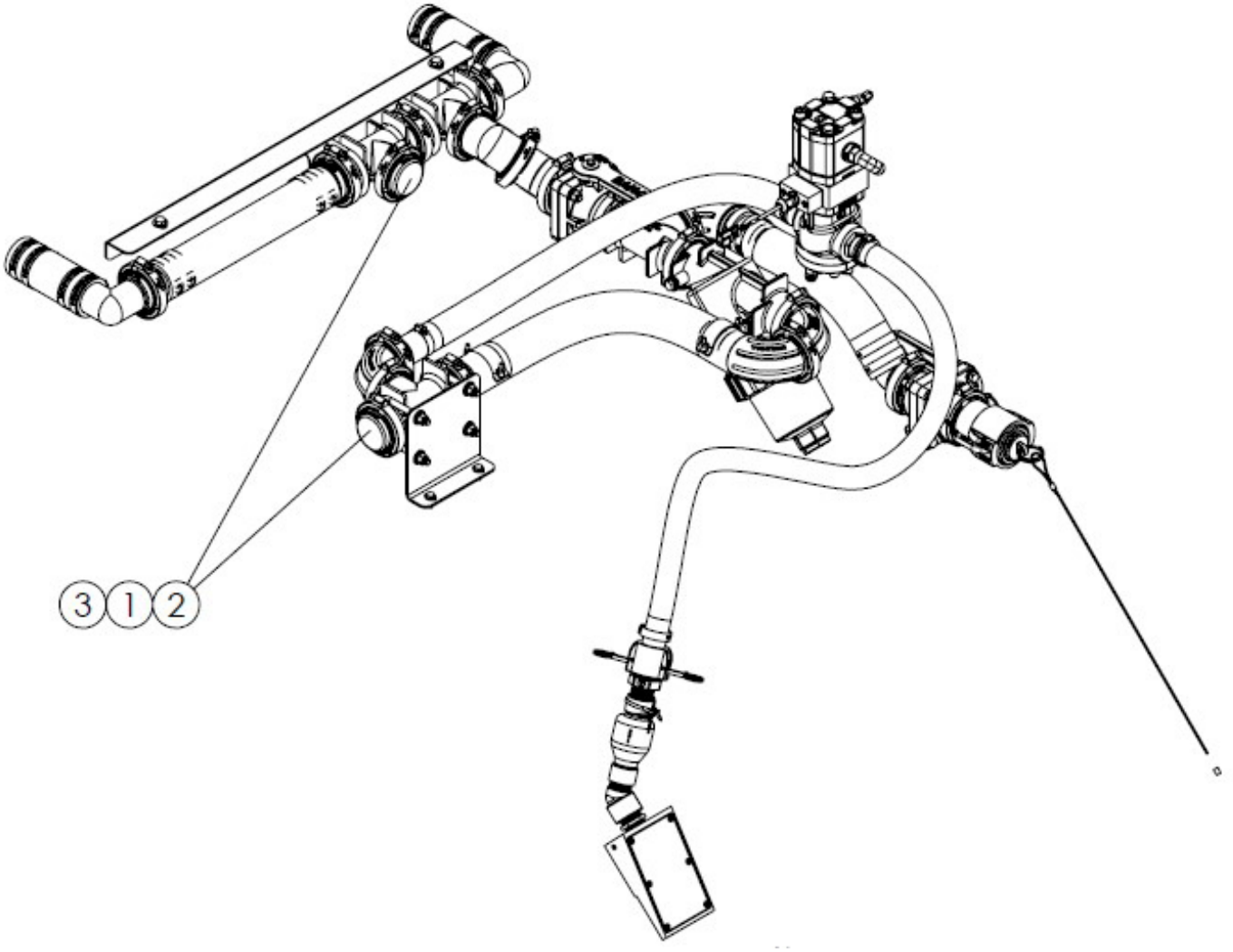
Liquid - Assy Prewet 25 GPM

ITEM	PART NO.	DESCRIPTION	QTY
1	308043	Pump - Assy Prewet	1
2	316855	Bracket - Angle 304	1
3	316857	Bracket - Angle 304	1
4	316934	Elbow - Assy 2 Hose Barb Poly	1
5	316935	Valve - Assy Poly	1
6	316936	Valve - Assy Strainer Poly	1
7	319221	Tee - Assy Poly	1
8	319220	Tee - Assy Poly	1
9	316922	Diffuser - Assy	1
10	310675	Coupling - 1 Female X 1 Hose	1
11	56315	Screw - Self Drilling #6-20nc	2
12	99674	Strap - Zip Tie 8 Black	2
13	319219	Hose - Group Prewet 25 GPM	1
14	316885	Gasket - 2fp Epdm	1
15	316884	Clamp - Worm 2 300 Series SS	1
16	36425	Washer - Flat .375 SS	18
17	36423	Washer - Flat .25 SS	4
18	316889	U-Bolt - 2 18-8 SS	5
19	308170	Clamp - 2 Spiral Double Bolt	2
20	308029	Clamp - Hose Sae 36 SS	16
21	308028	Clamp - Hose Sae 24 SS	4
22	36393	Capscrew - .25-20nc X .75 SS	2
23	*6398	Bearing - Cartridge 1.5	2
24	36293	Capscrew - .375-16nc X .75 SS	2
25	308040	Capscrew - M8 X 20 SS	2
26	36400	Capscrew - .375-16nc X 2.5 SS	2
27	42034	Nut - Lock .25-20nc SS	2
28	72054	Nut - Lock .375-16nc SS	2
29	36420	Washer - Lock .375 SS	4
30	*308240	Loctite - Plastic Pipe Sealant	0
31	*308241	Sealant - Rtv 732	0

* Not Shown

Liquid System

Plug Group



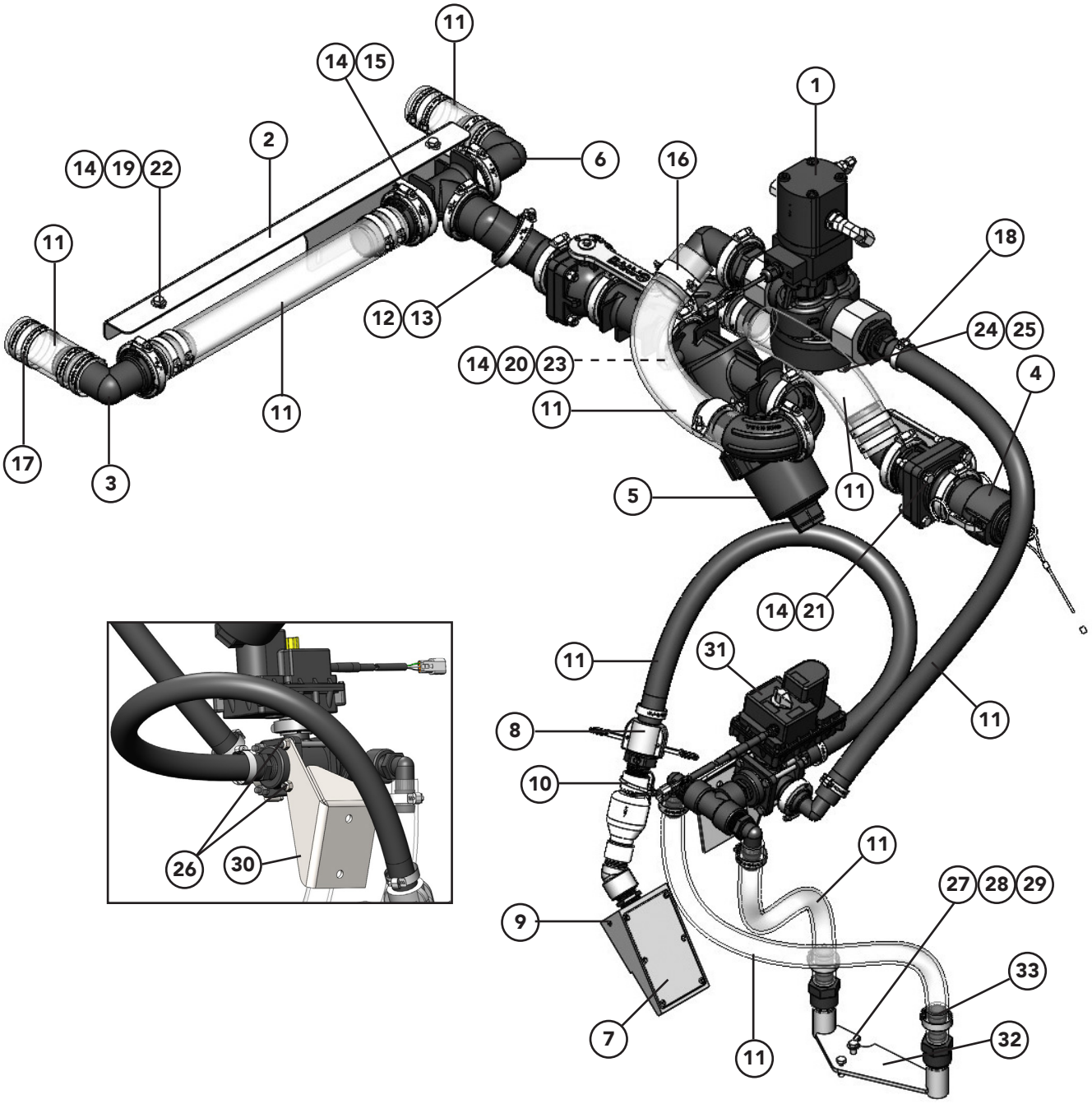
Liquid System

Plug Group

ITEM	PART NO.	DESCRIPTION	QTY
1	316885	Gasket - 2fp Epdm	2
2	319238	Fitting - Plug 2fp Manifold	2
3	316884	Clamp - Worm 2 300 Series SS	2

Liquid System

Liquid - Assy Prewet 50 GPM



ITEM	PART NO.	DESCRIPTION	QTY
1	319236	Pump - Assy	1
2	316857	Bracket - Angle 304	1
3	316934	Elbow - Assy 2 Hose Barb Poly	1
4	316935	Valve - Assy Poly	1
5	316936	Valve - Assy Strainer Poly	1

Liquid System

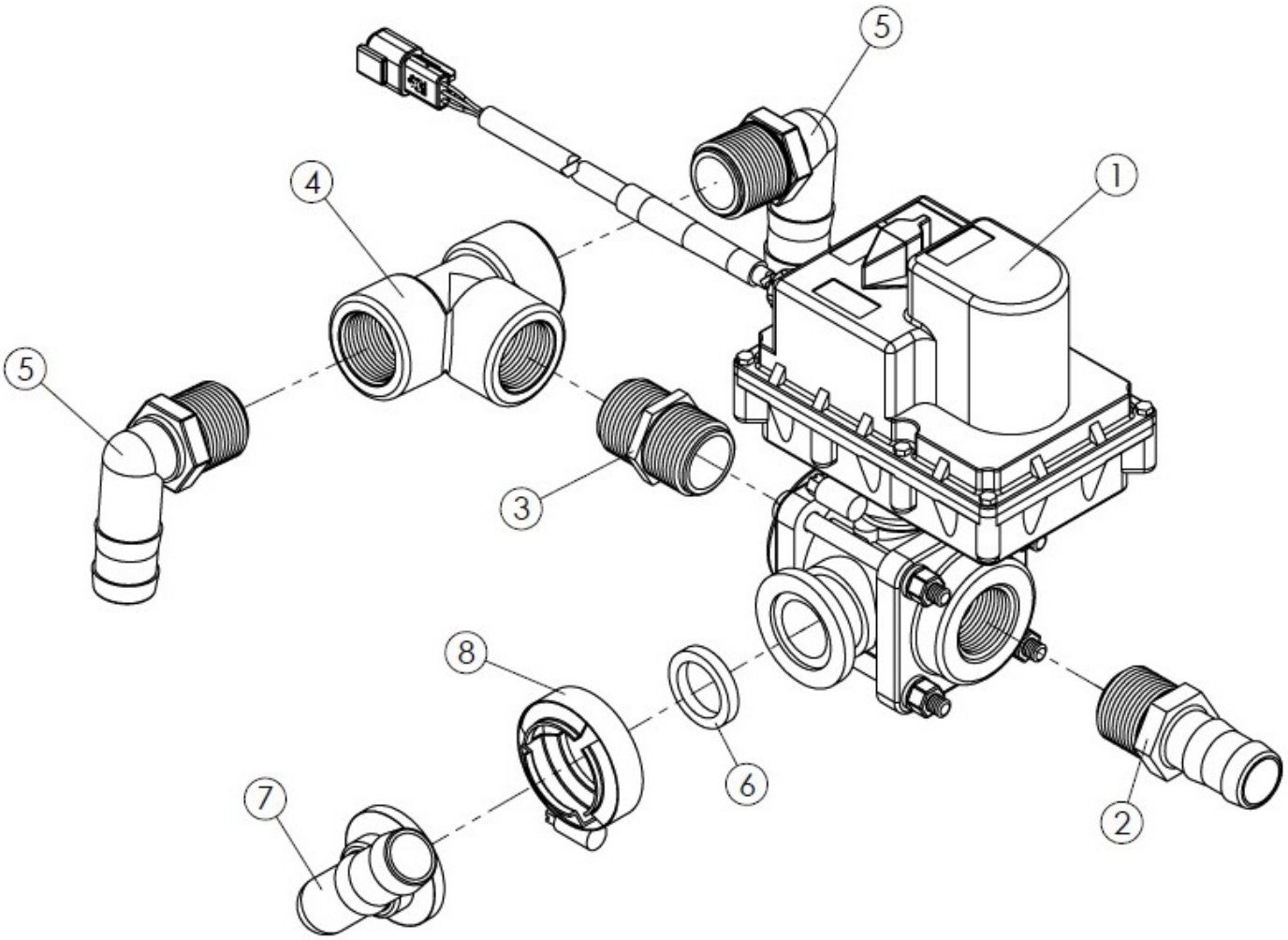
Liquid - Assy Prewet 50 GPM

ITEM	PART NO.	DESCRIPTION	QTY
6	319239	Tee - Assy Poly	1
7	316922	Diffuser - Assy	1
8	310675	Coupling - 1 Female X 1 Hose	1
9	56315	Screw - Self Drilling #6-20nc	2
10	99674	Strap - Zip Tie 8 Black	2
11	319237	Hose - Group	1
12	316885	Gasket - 2fp Epdm	1
13	316884	Clamp - Worm 2 300 Series SS	1
14	36425	Washer - Flat .375 SS	12
15	316889	U-Bolt - 2 18-8 SS	2
16	308170	Clamp - 2 Spiral Double Bolt	2
17	308029	Clamp - Hose Sae 36 SS	16
18	308028	Clamp - Hose Sae 24 SS	8
19	36398	Capscrew - .375-16nc X 1 SS	2
20	36293	Capscrew - .375-16nc X .75 SS	2
21	36400	Capscrew - .375-16nc X 2.5 SS	2
22	72054	Nut - Lock .375-16nc SS	2
23	36420	Washer - Lock .375 SS	2
24	96921	Capscrew - M10 X 20 SS	4
25	36421	Washer - Lock .438 SS	4
26	42221	Nut - Lock .313-18nc SS	4
27	36397	Capscrew - .313-18nc X 1.25 SS	1
28	36424	Washer - Flat .313 SS	1
29	34580	Capscrew - .313-18nc X 1 SS	1
30	309936	Bracket - Valve 304	1
31	309938	Valve - Assy 3-Way Motorized	1
32	309932	Bracket - Wldmt 304	1
33	309926	Fitting - Hose Barb 1.00 Hose	2
34	*308240	Loctite - Plastic Pipe Sealant	0
35	*308241	Sealant - Rtv 732	0

* Not Shown

Liquid System

3-Way Motorized Valve Assembly

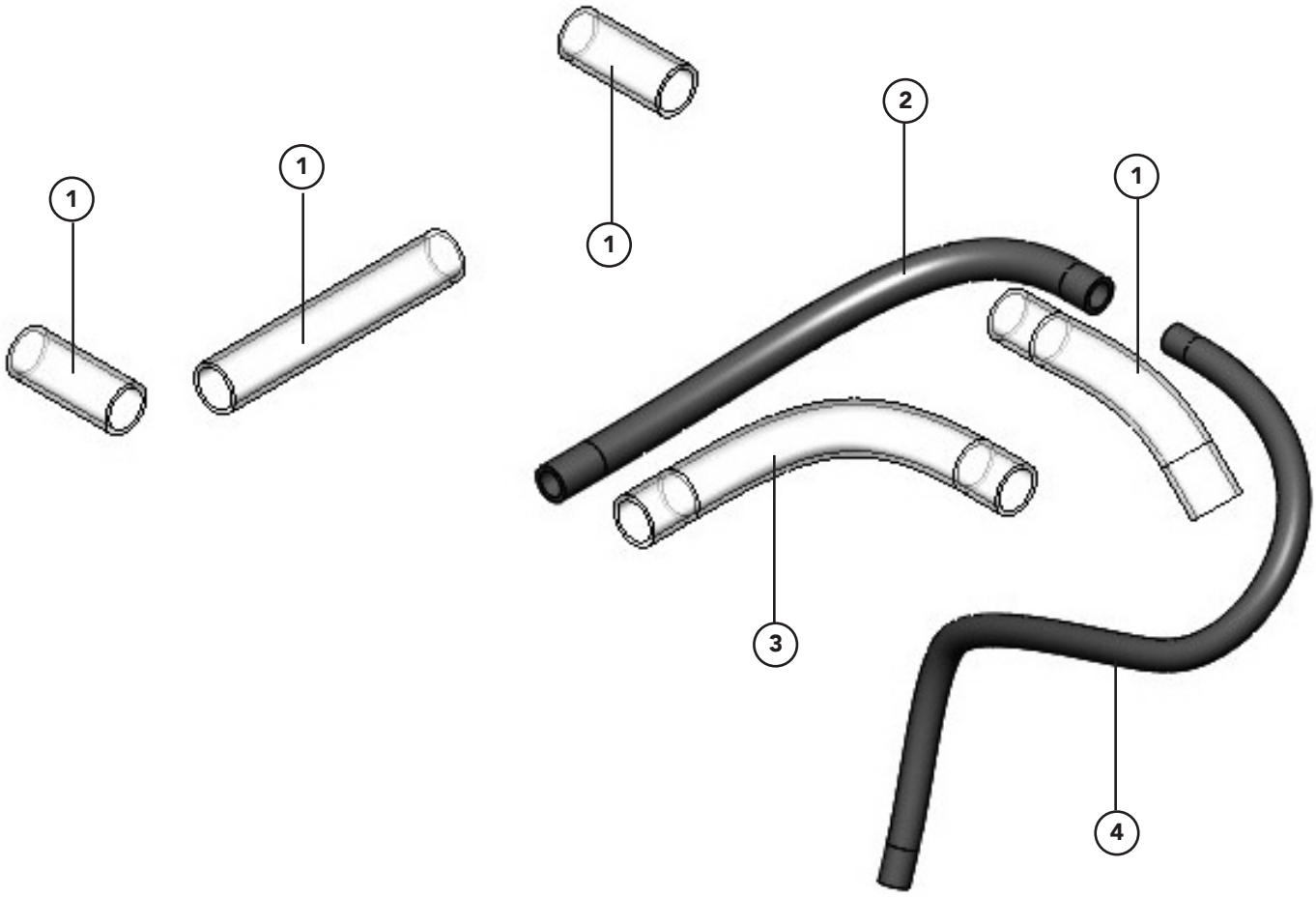


ITEM	PART NO.	DESCRIPTION	QTY
1	309918	VALVE - 1 ELEC 3-WAY W/	1
2	307895	FITTING - HOSE BARB 1 HOSE X	1
3	309923	FITTING - NIPPLE SHORT 1.00NPT	1
4	309924	FITTING - TEE 1.00 NPT POLY	1
5	309925	FITTING - HOSE BARB 90° 1.00	2
6	309929	GASKET - 1.00 FLANGE EPDM	1
7	309927	FITTING - HOSE BARB 90° 1.00	1
8	309928	CLAMP - FLANGE	1
9	*308240	LOCTITE - PLASTIC PIPE SEALANT	0

* Not Shown

Liquid System

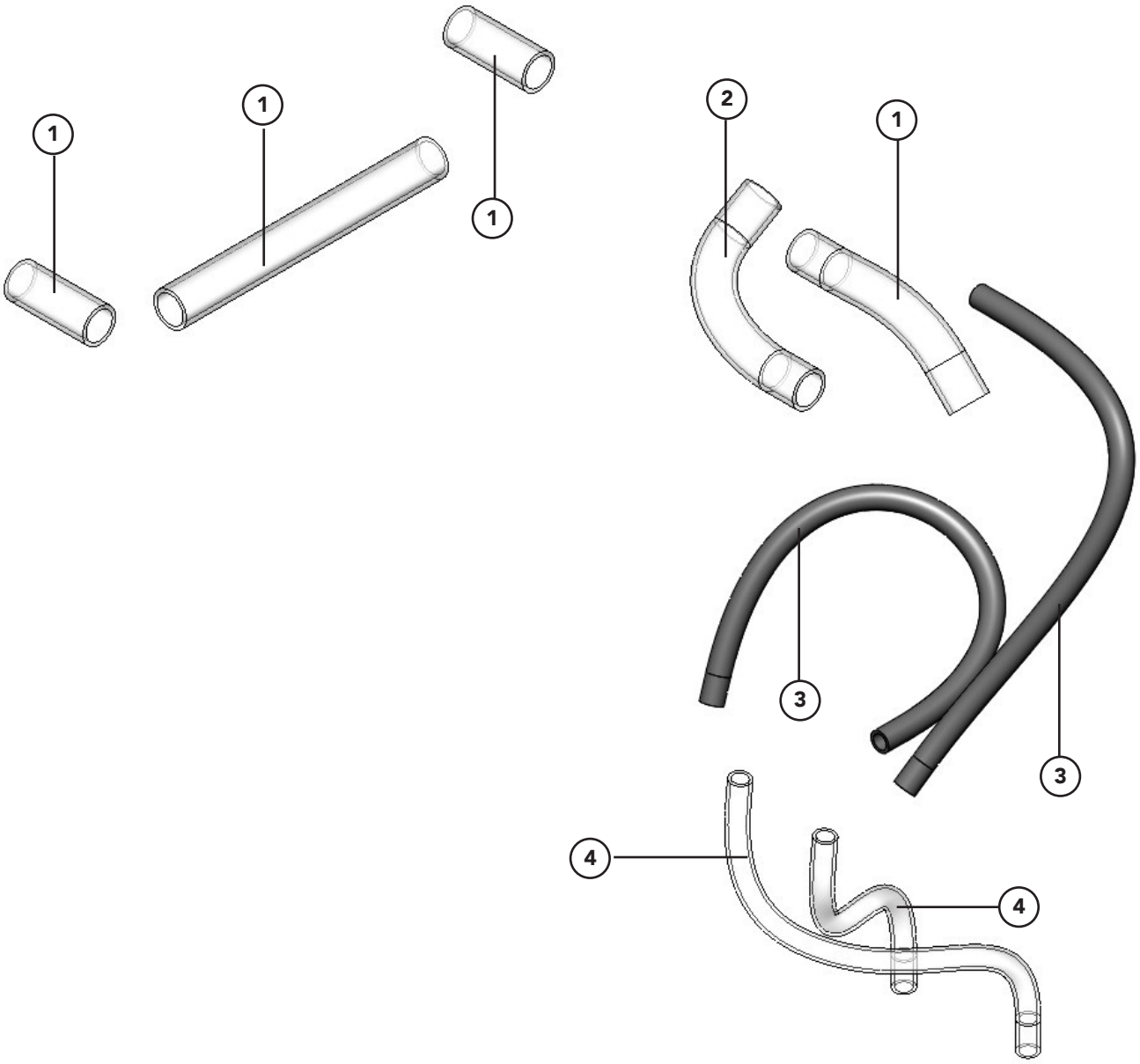
Hose Group 25 GPM



ITEM	PART NO.	DESCRIPTION	QTY
1	307905	Hose - 2 Vaccum/Transfer Pvc	3.3′
2	307906	Hose - 1.25 Vac/Transfer Pvc	2.5′
3	308169	Hose - 2 Pvc	2′
4	307909	Hose - 1 Epdm Suction	4.5′

Liquid System

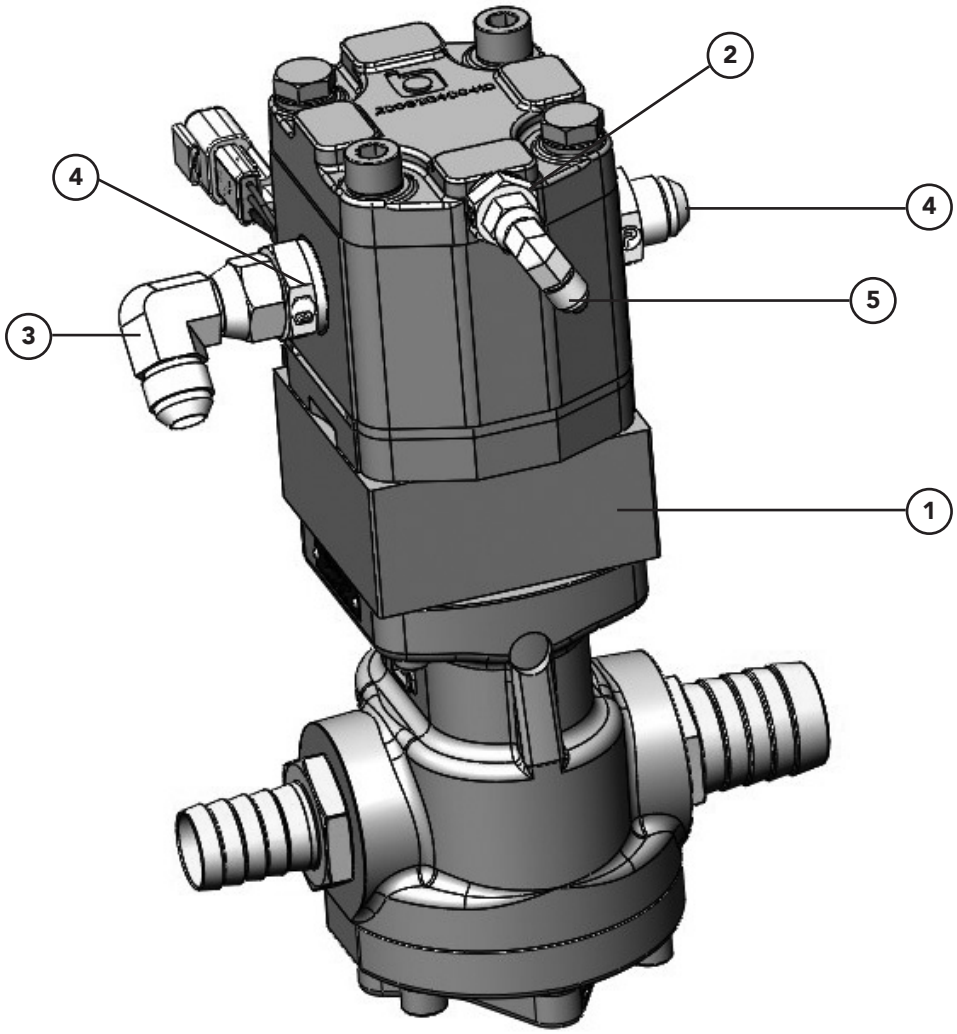
Hose Group 50 GPM



ITEM	PART NO.	DESCRIPTION	QTY
1	307905	Hose - 2 Vaccum/Transfer Pvc	3.8′
2	308169	Hose - 2 Pvc	1.3′
3	307909	Hose - 1 Epdm Suction	4.5′
4	307907	Hose - 1 Vaccum/Transfer Pvc	6.0′

Liquid System

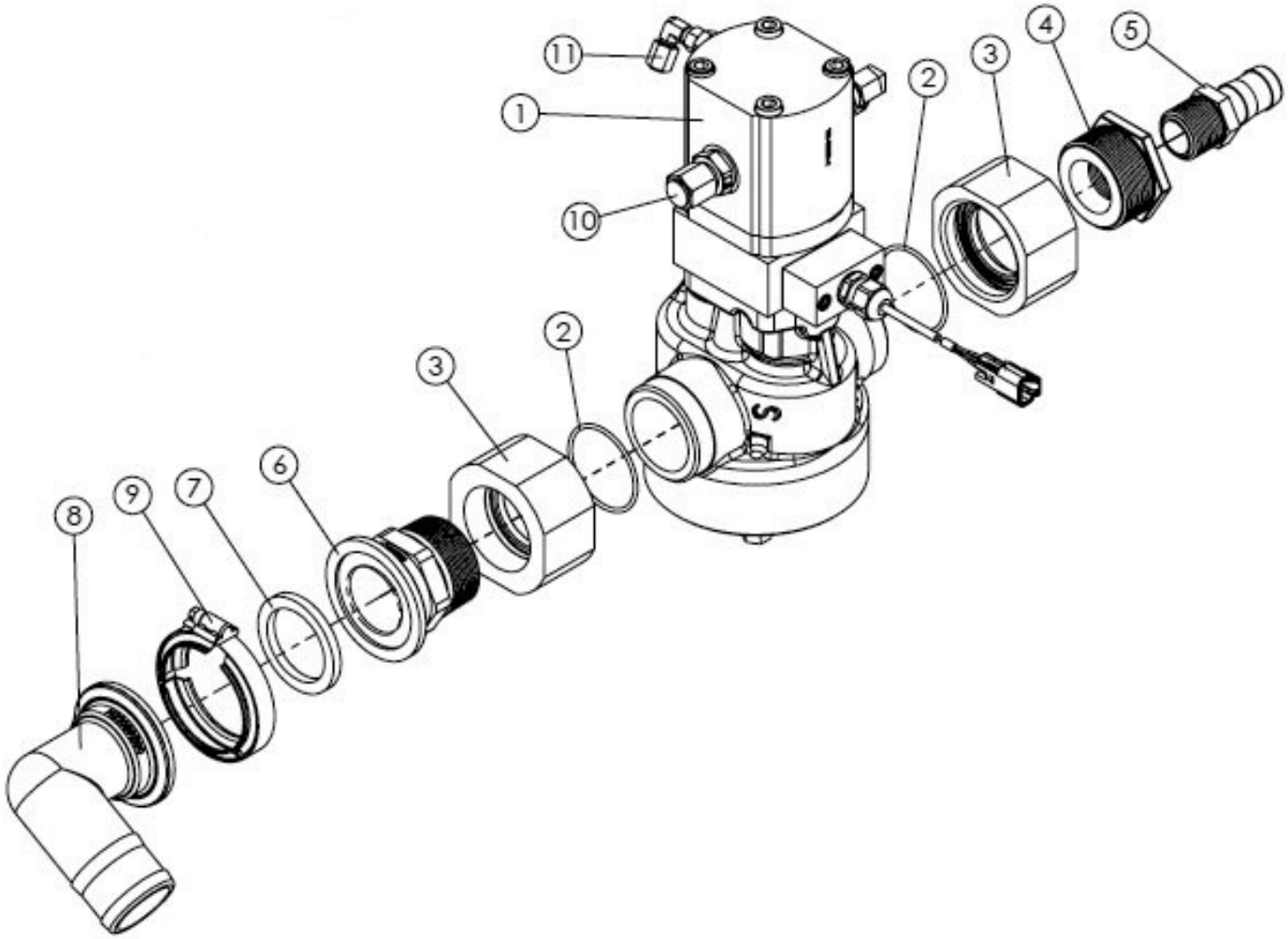
Pump Assembly 25 GPM



ITEM	PART NO.	DESCRIPTION	QTY
1	308181	Pump - Assy Prewet W/Dt04-3p	1
2	308045	Fitting - .25 Bspp Male X .25	1
3	308044	Fitting - .5 Bspp Male X .5jic	2
4	34803	Fitting - 8-8- 070221	1
5	34868	Fitting - 4-4 070221	1

Liquid System

Pump Assembly 50 GPM



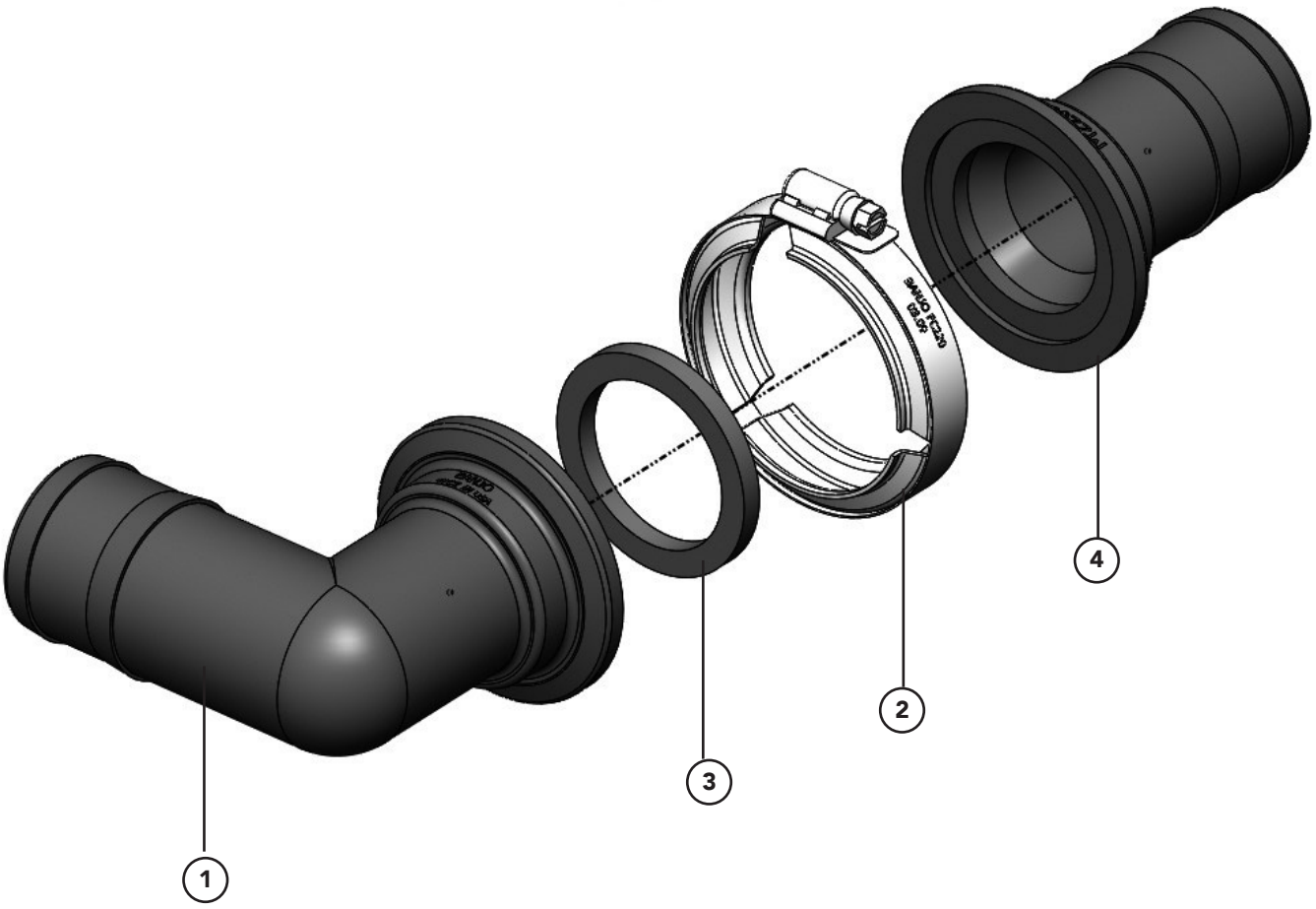
Liquid System

Pump Assembly 50 GPM

ITEM	PART NO.	DESCRIPTION	QTY
1	309914	Pump - Assy Hi Liquid	1
2	309916	O-Ring - 139	2
3	309915	Adapter - 2.25 Bsppf X 2 Nptf	2
4	309922	Fitting - Bushing 2.00mnpt X 1.00 Fnpt Poly	1
5	307895	Fitting - Hose Barb 1 Hose X 1 Mnpt Poly	1
6	317161	Fitting - Adapter 2fp Manifold	1
7	316885	Gasket - 2fp Epdm	1
8	317117	Fitting - Hose Barb 90° 2fp	1
9	316884	Clamp - Worm 2 300 Series SS	1
10	311754	Fitting - 8 070112	2
11	34855	Cap - 4 070112 Cap - Jic	1

Liquid System

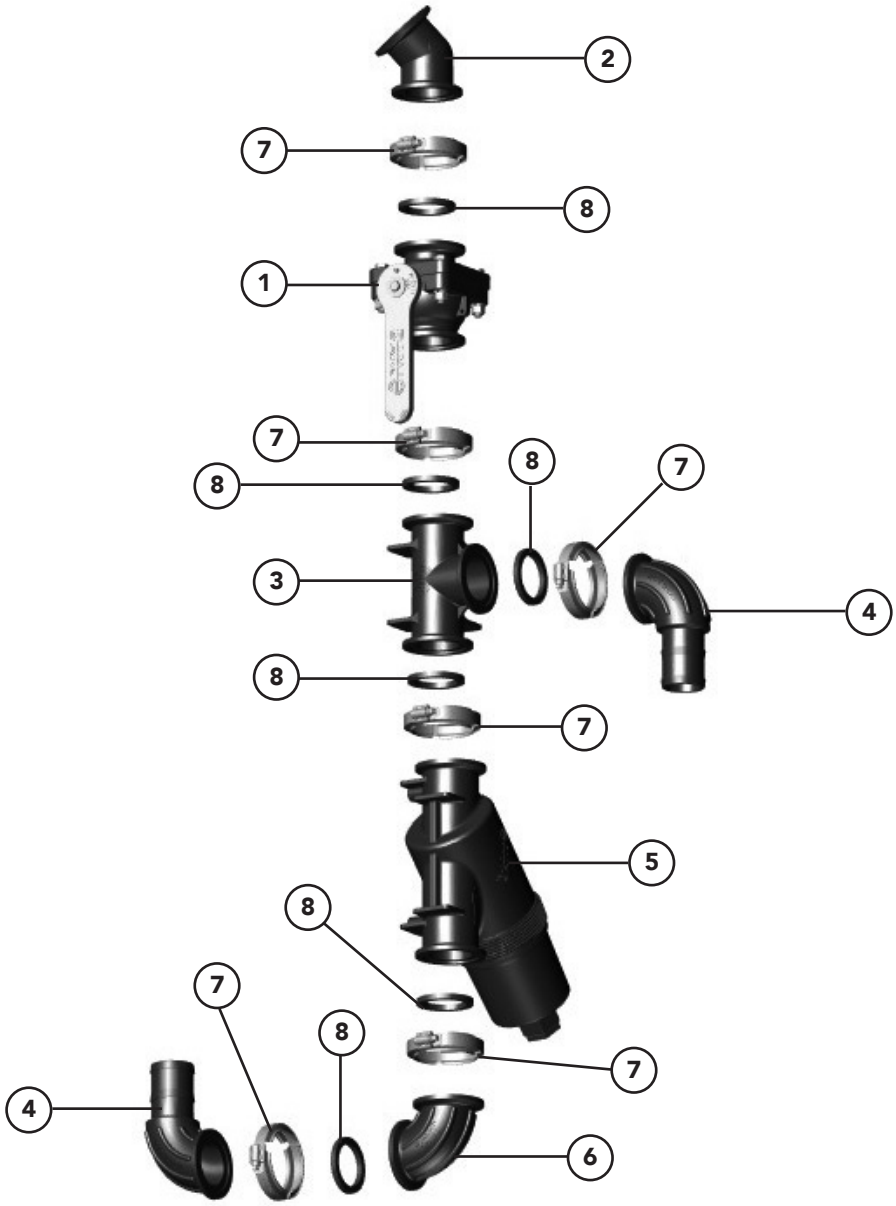
Elbow Assembly



ITEM	PART NO.	DESCRIPTION	QTY
1	317117	Fitting - Hose Barb 90° 2fp	1
2	316884	Clamp - Worm 2 300 Series SS	1
3	316885	Gasket - 2fp Epdm	1
4	316876	Fitting - Hose Barb 2fp	1

Liquid System

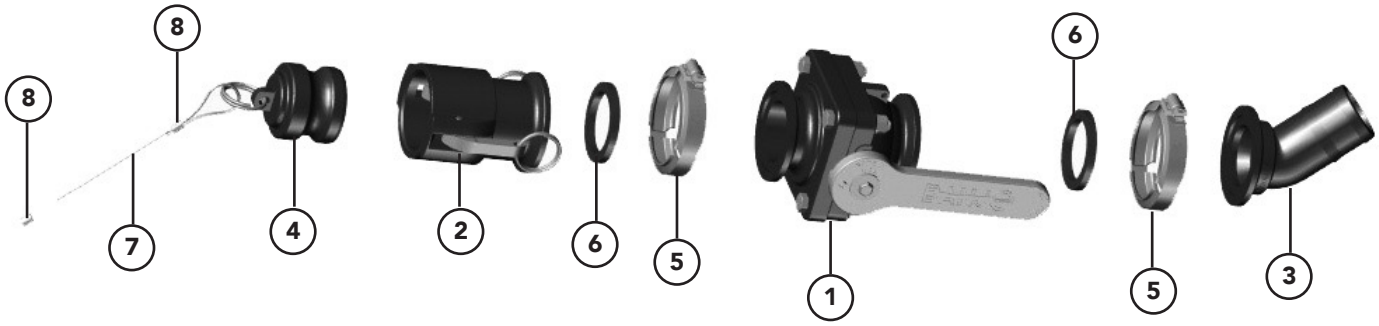
Strainer Valve Assembly



ITEM	PART NO.	DESCRIPTION	QTY
1	316880	Valve - Stubby 2fp Manifold	1
2	316879	Fitting - Coupling 45° 2fp	1
3	316875	Fitting - Tee 2fp Manifold	1
4	316878	Fitting - Hose Barb Sweep	2
5	316881	Y Strainer - 2fp Manifold	1
6	316874	Fitting - Sweep 90° 2fp	1
7	316884	Clamp - Worm 2 300 Series SS	6
8	316885	Gasket - 2fp Epdm	6

Liquid System

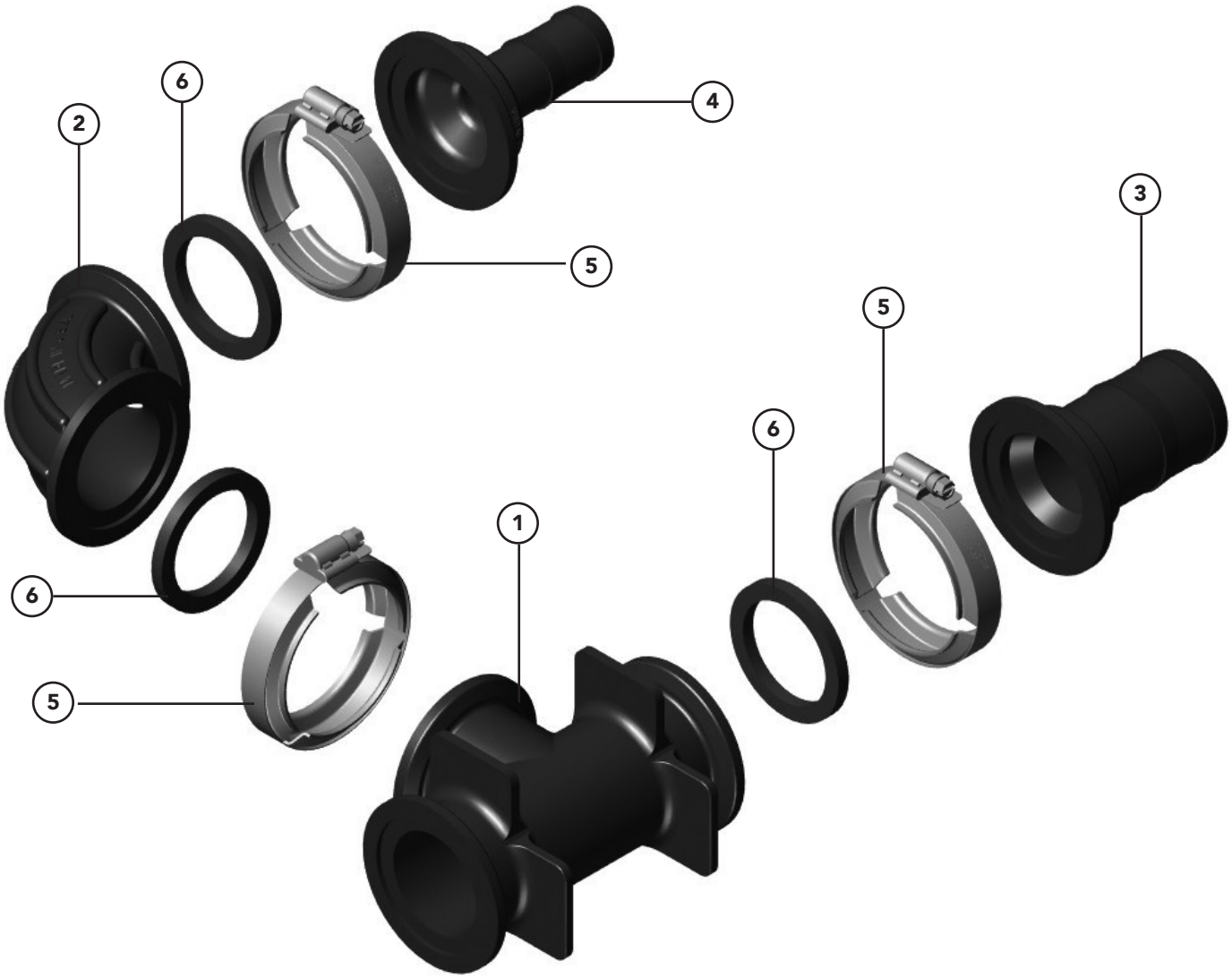
Fill/Pump Valve Assembly



ITEM	PART NO.	DESCRIPTION	QTY
1	316880	Valve - Stubby 2fp Manifold	1
2	316899	Fitting - Adapter 2fp Manifold	1
3	316882	Fitting - Hose Barb 45° 2fp	1
4	316900	Plug - 2 Qdc	1
5	316884	Clamp - Worm 2 300 Series SS	2
6	316885	Gasket - 2fp Epdm	2
7	308084	Cable - .094 X 24 Coated	1
8	308085	Ferrule - .185 X .374	2

Liquid System

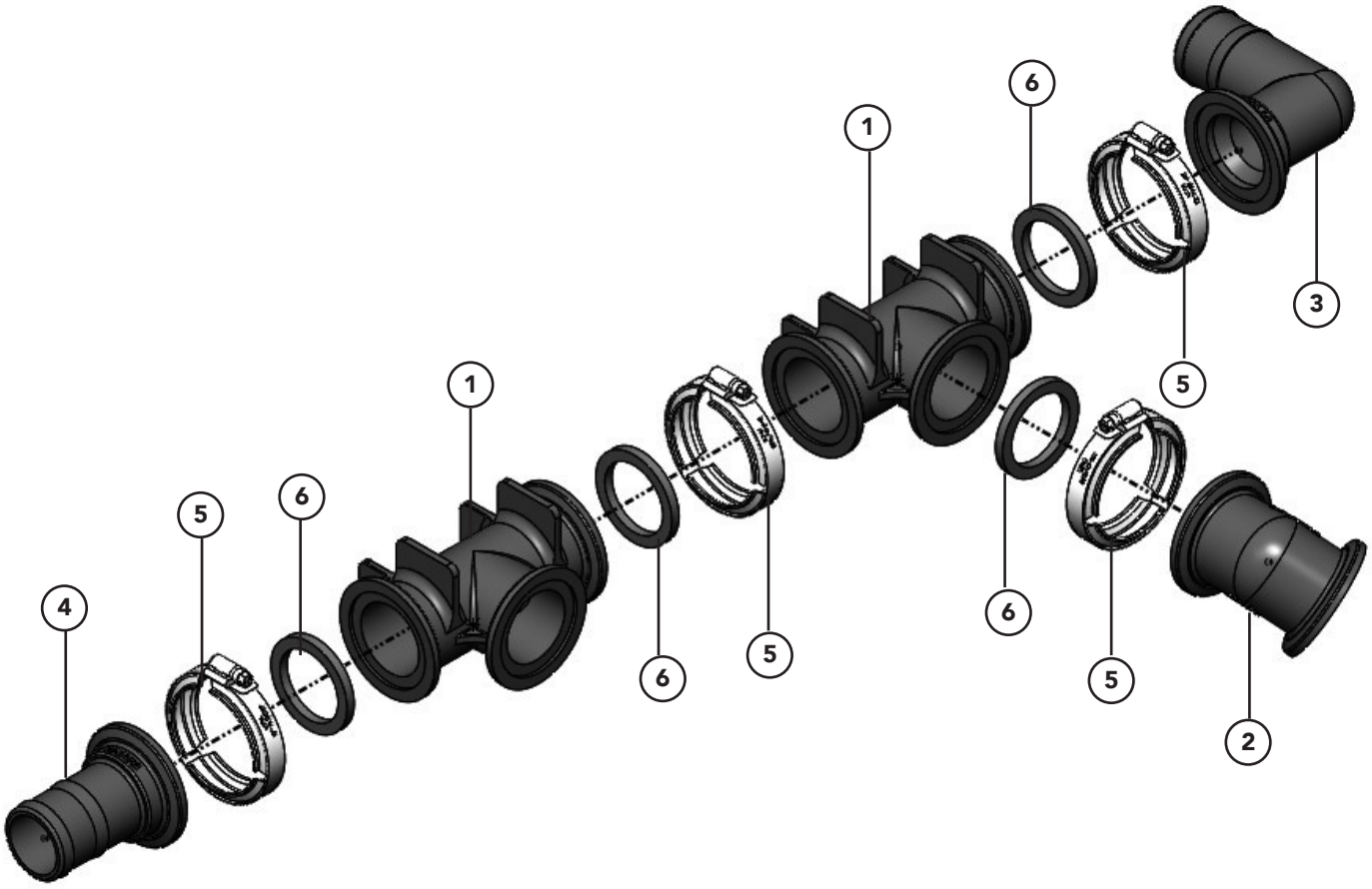
Tee Assembly #1



ITEM	PART NO.	DESCRIPTION	QTY
1	316875	Fitting - Tee 2fp Manifold	1
2	316874	Fitting - Sweep 90° 2fp	1
3	316876	Fitting - Hose Barb 2fp	1
4	316877	Fitting - Hose Barb 1.25 X 2fp	1
5	316884	Clamp - Worm 2 300 Series SS	3
6	316885	Gasket - 2fp Epdm	3

Liquid System

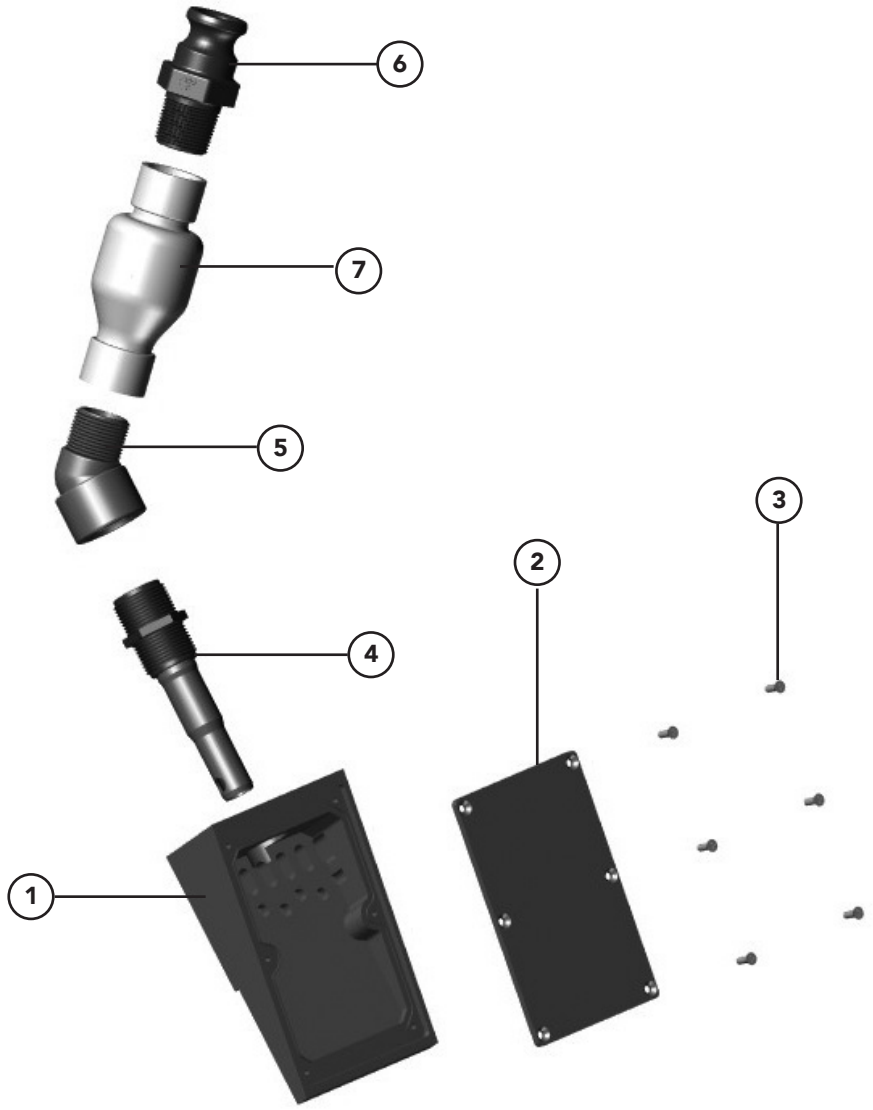
Tee Assembly #2



ITEM	PART NO.	DESCRIPTION	QTY
1	316875	Fitting - Tee 2fp Manifold	2
2	316879	Fitting - Coupling 45° 2fp	1
3	317117	Fitting - Hose Barb 90° 2fp	1
4	316876	Fitting - Hose Barb 2fp	1
5	316884	Clamp - Worm 2 300 Series SS	4
6	316885	Gasket - 2fp Epdm	4

Liquid System

Diffuser Assembly

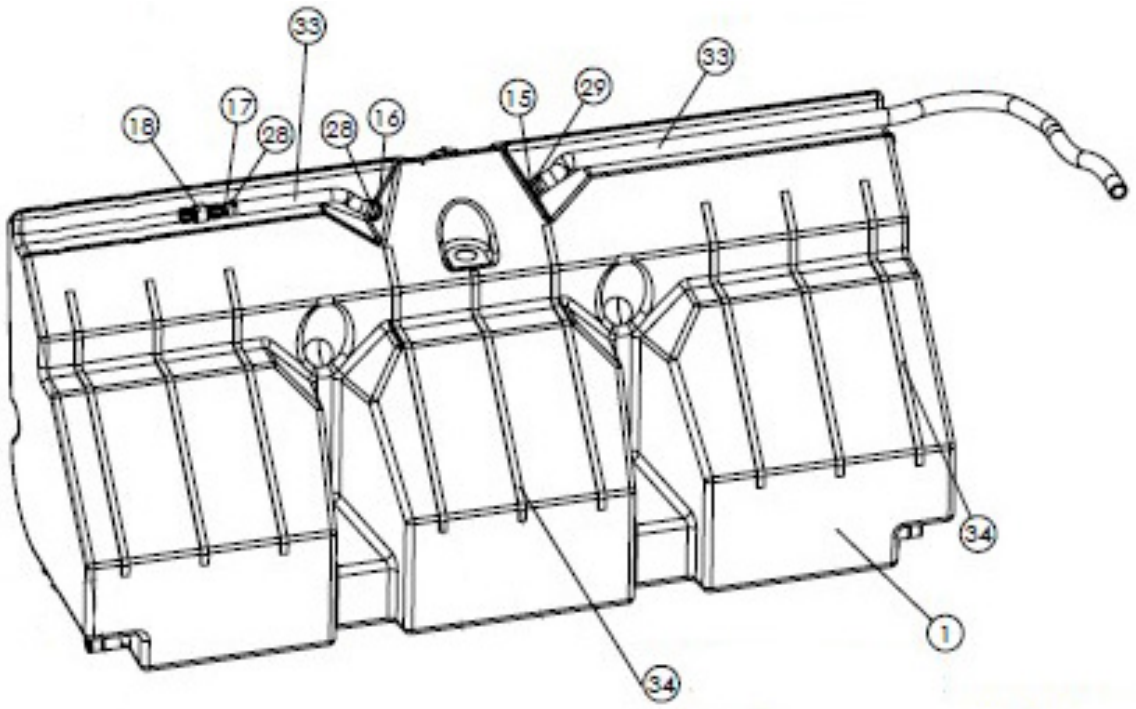


ITEM	PART NO.	DESCRIPTION	QTY
1	307948	DIFFUSER -	1
2	307949	COVER - DIFFUSER	1
3	307947	SCREW - SELF-TAPPING #8-15 X	6
4	310677	INSERT - ASSY DIFFUSER	1
5	310673	ELBOW - 45° 1 NPT POLY	1
6	317172	FITTING - ADAPTER 1 QDC MALE X	1
7	319207	VALVE - CHECK 4.125-17LBS 1FPT	1
8	*308240	LOCTITE - PLASTIC PIPE SEALANT	0
9	*308241	SEALANT - RTV 732	0

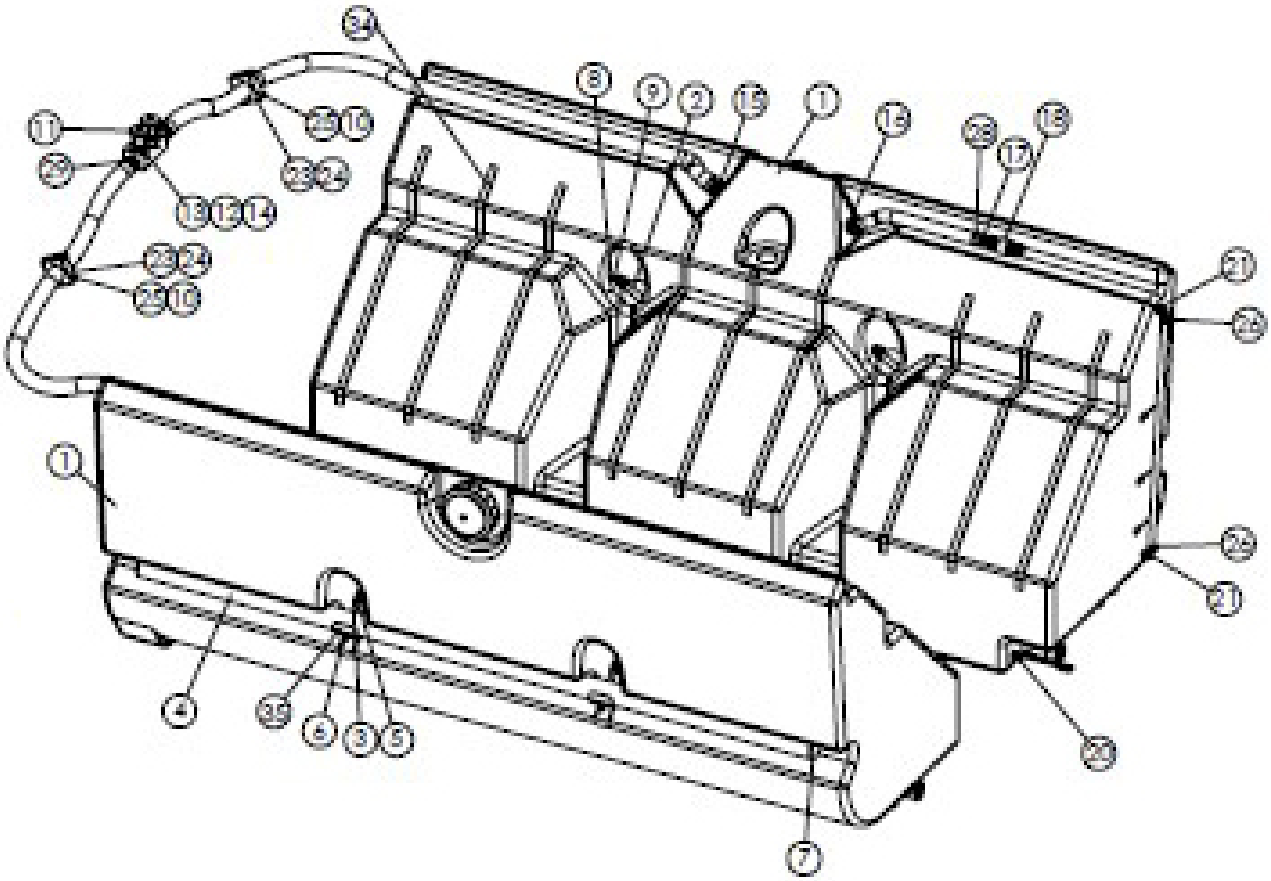
* Not Shown

Liquid System

Liquid Tank Group

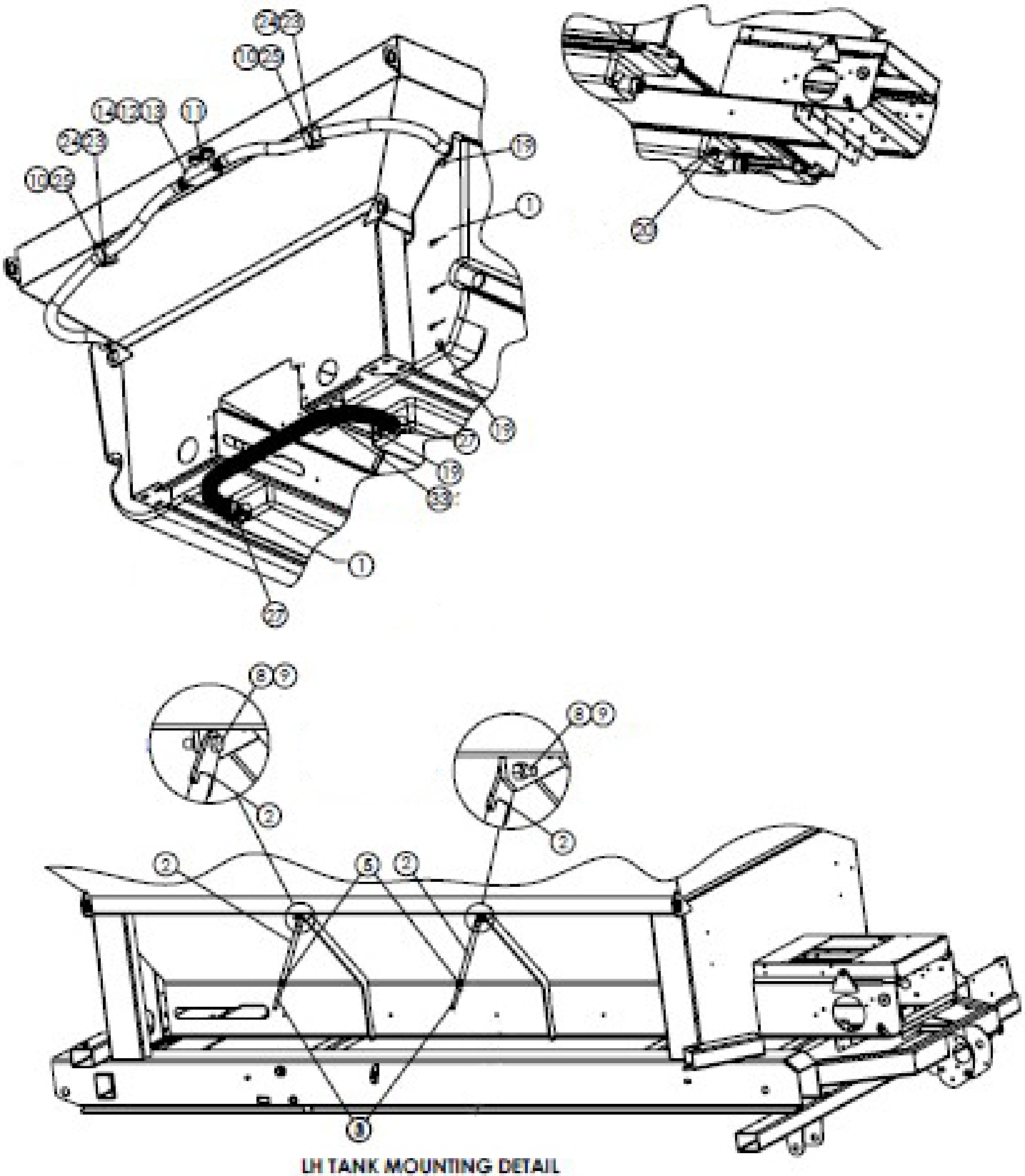


LH TANK MOUNTING PREP



Liquid System

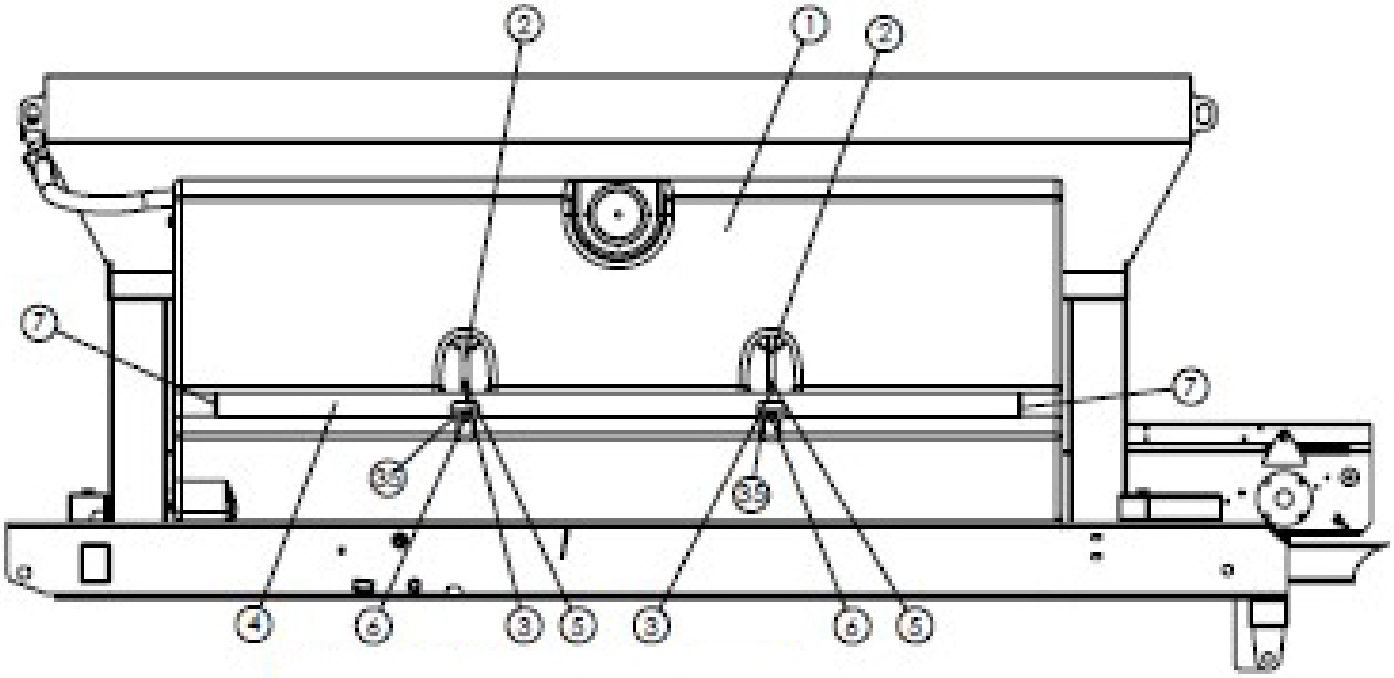
Liquid Tank Group

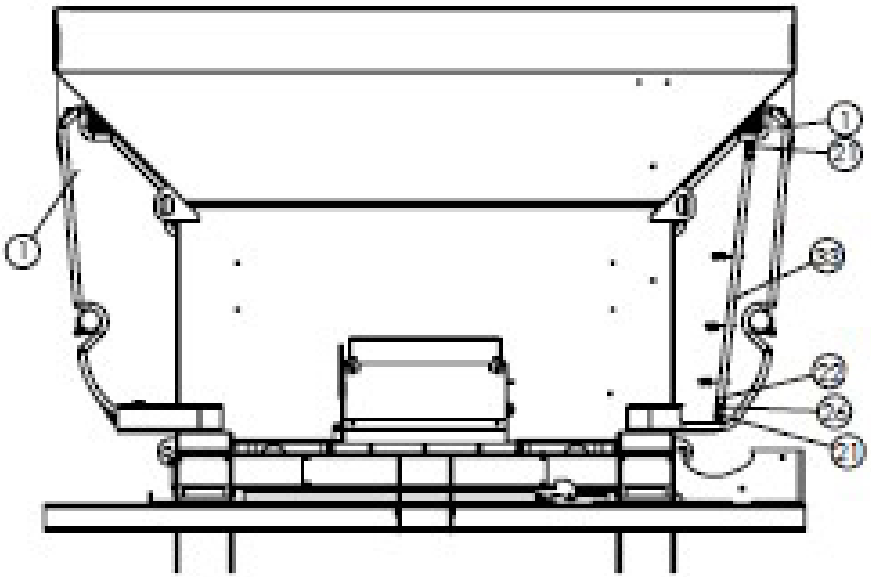


LH TANK MOUNTING DETAIL

Liquid System

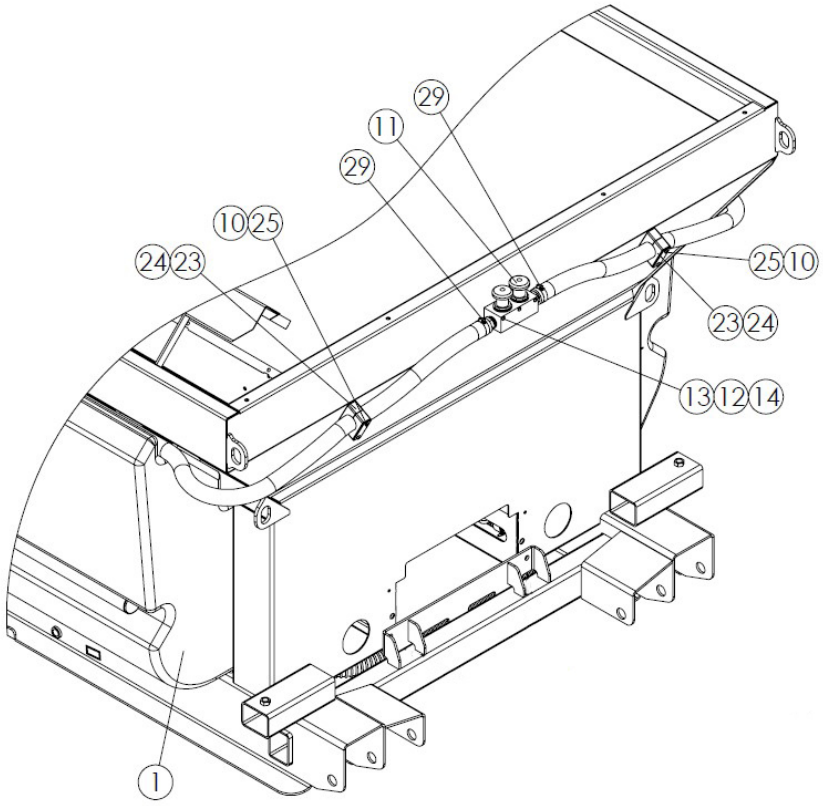
Liquid Tank Group





Liquid System

Liquid Tank Group



ITEM	PART NO.	DESCRIPTION	QTY
1	307937	Tank - 232gal 10'	2
	307938	Tank - 292gal 12'	2
	307939	Tank - 350gal 14'	2
2	308005	Buckle - Wldmt Turn 304	AR
3	308008	Rod - Threaded .50-13nc X 6 SS	AR
4	308009	Tube - 2.5od X 11ga X 84 10'	2
	308316	Tube - 2.5od X 11ga X 108 12'	2
	308317	Tube - 2.5od X 11ga X 132 14'	2
5	36416	Nut - Hex .5-13nc SS	AR
6	308010	Nut - Acorn .5-13nc SS	AR
7	308024	Plug - Poly 2.5od	4
8	36399	Capscrew - .375-16nc X 1.25 SS	AR

Liquid System

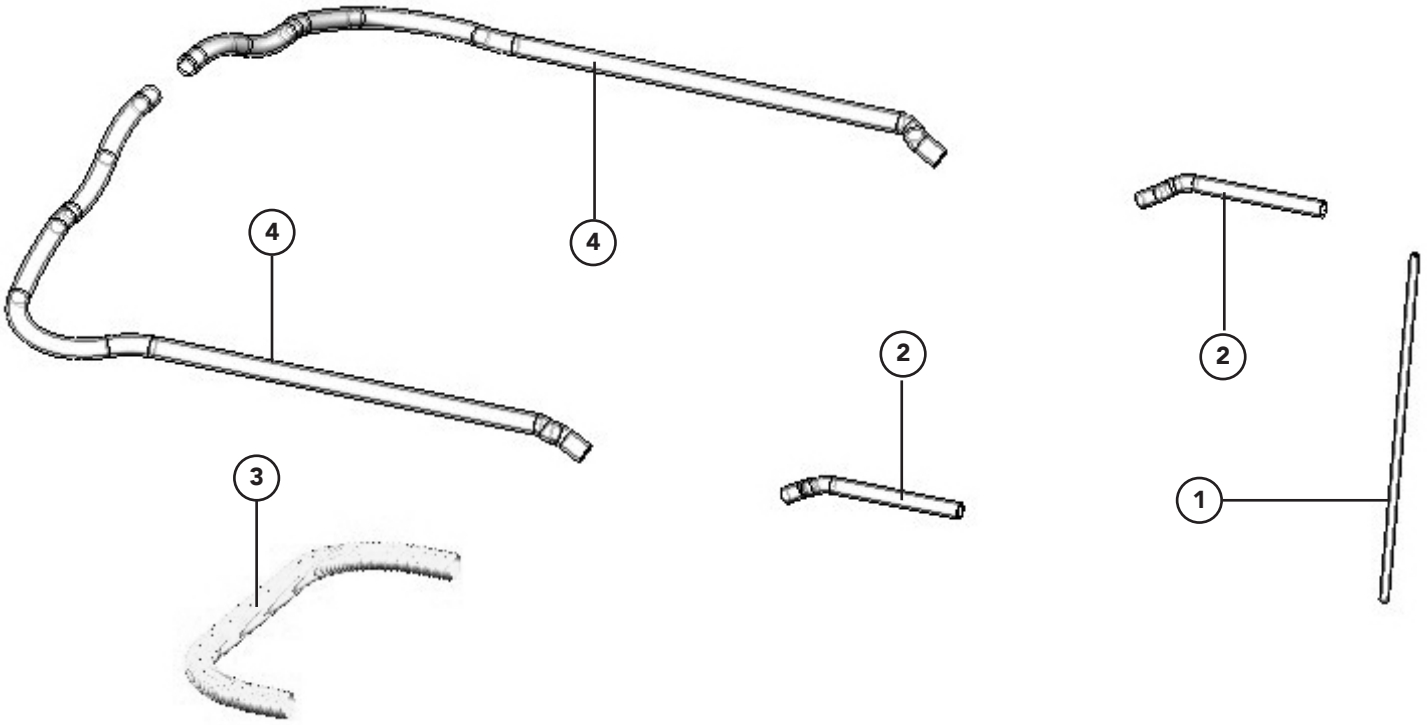
Liquid Tank Group

ITEM	PART NO.	DESCRIPTION	QTY
9	72054	Nut - Lock .375-16nc SS	AR
10	42034	Nut - Lock .25-20nc SS	4
11	308014	Vent - Assy Tank Poly	1
12	171052	Washer - Flat #10 SS	3
13	44398	Screw - Round Head #10-24nc X 3 SS	3
14	56355	Nut - Lock #10-24nc SS	3
15	307896	Fitting - Hose Barb 1.25 Hose	2
16	308021	Fitting - Hose Barb 1 Hose X 1.25 Mnpt Poly	2
17	308022	Fitting - Hose Barb 1 Hose X .75 Mnpt Poly	2
18	307922	Valve - Check 5 Psi 3/4 Fnpt	2
19	307902	Fitting - Plug .5 Npt Hex Head	3
20	308183	Float Switch - .5mnpt Side Mtg	1
21	307898	Fitting - Hose Barb 90° .5	2
22	308023	Float - Ball Poly	1
23	308165	Clamp Pair - 1.75 Tube	2
24	308164	Plate - Cover Clamp 1.75od	2
25	56396	Capscrew - .25-20nc X 3.25 SS	4
26	308027	Clamp - Hose Sae 8 SS	2
27	308170	Clamp - 2 Spiral Double Bolt	2
28	308223	Clamp - Hose Sae 16 SS	4
29	308028	Clamp - Hose Sae 24 SS	4
30	*96942	Tie - Wire Hd 29 Long	4
31	*308240	Loctite - Plastic Pipe Sealant	AR
32	*308241	Sealant - Rtv 732	AR
33	319192	Hose - Group 10'	1
	319193	Hose - Group 12'	1
	319194	Hose - Group 14'	1
34	84280	Strip - Rubber	AR
35	312454	Washer - Formed 304	4

AR - As Required

Liquid System

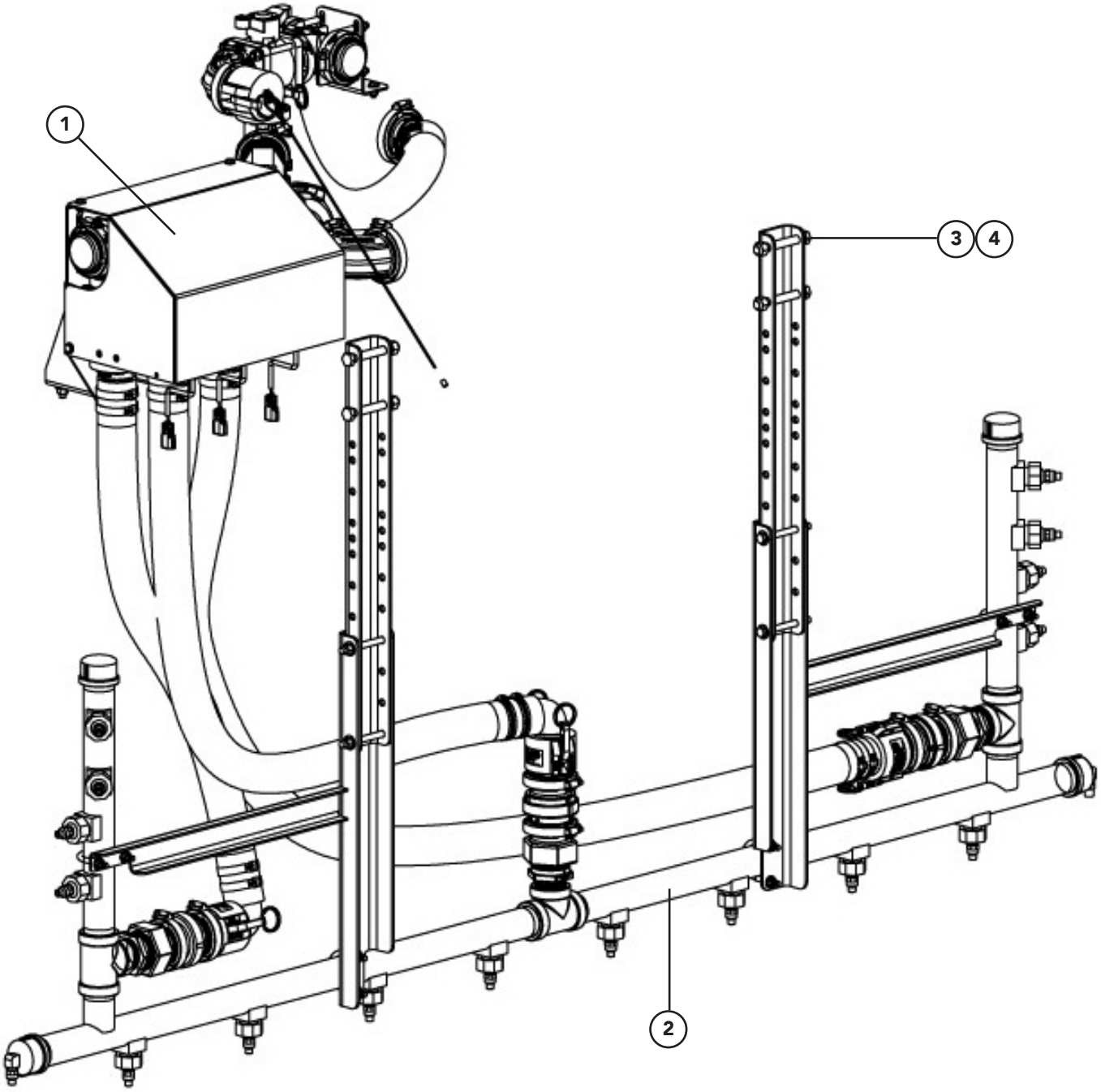
Liquid Tank Hose Group



ITEM	PART NO.	DESCRIPTION	QTY		
			10′	12′	14′
1	307908	Hose - .5 Clear Pvc Sight	2.5′	2.5′	2.5′
2	307907	Hose - 1 Vaccum/Transfer Pvc	2.75′	2.75′	2.75′
3	308169	Hose - 2 Pvc	4′	4′	4′
4	307906	Hose - 1.25 Vac/Transfer Pvc	14.25′	16.2′	18.2′

Liquid System

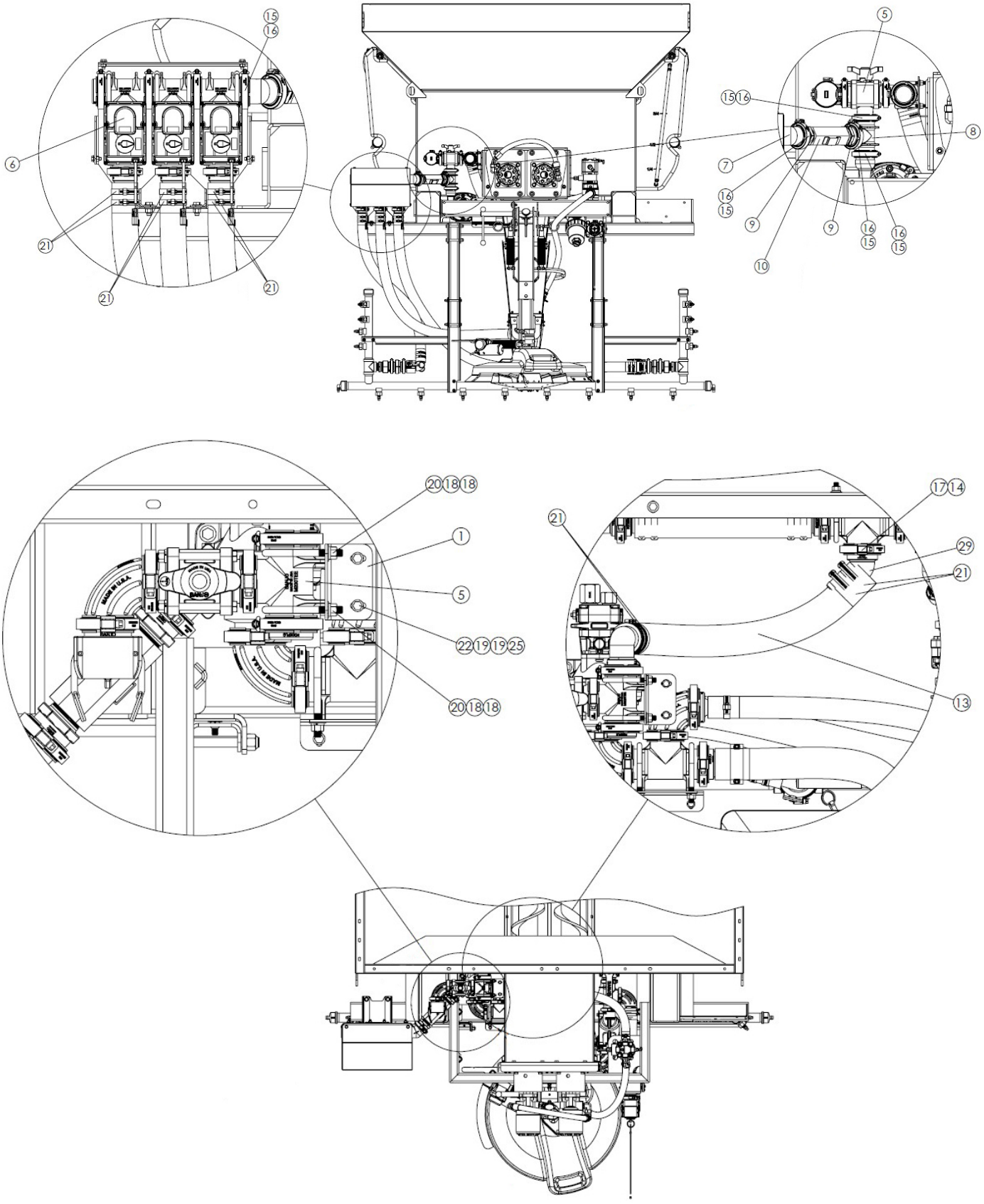
Liquid - Assy Anti-ice



ITEM	PART NO.	DESCRIPTION	QTY
1	319199	Liquid - Assy Antiice	1
2	316942	Liquid - Group Spray Bar	1
3	36404	Capscrew - .5-13NC X 4 SS	4
4	39016	Nut - Lock .5-13NC SS	4

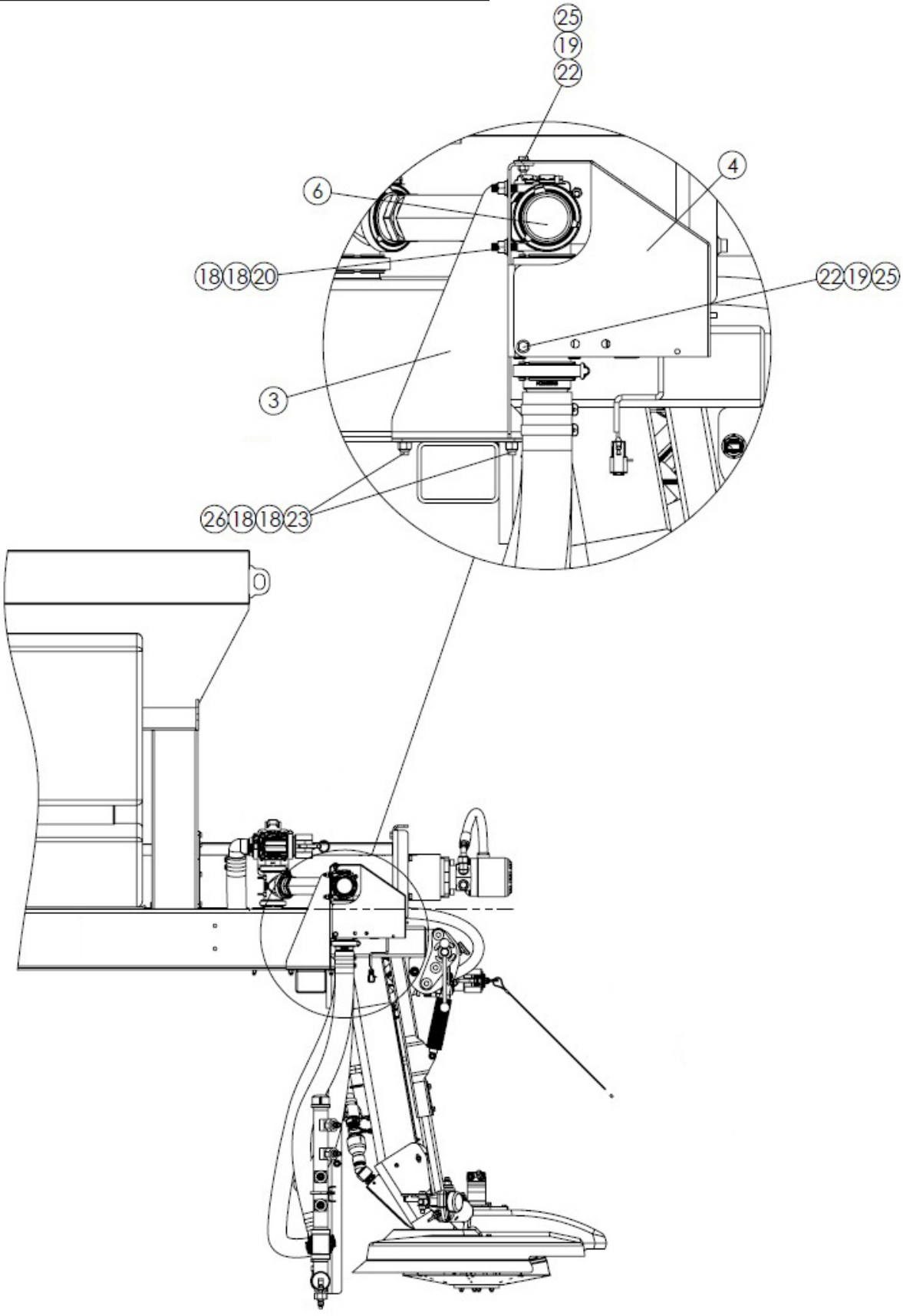
Liquid System

Liquid - Assy Anti-ice



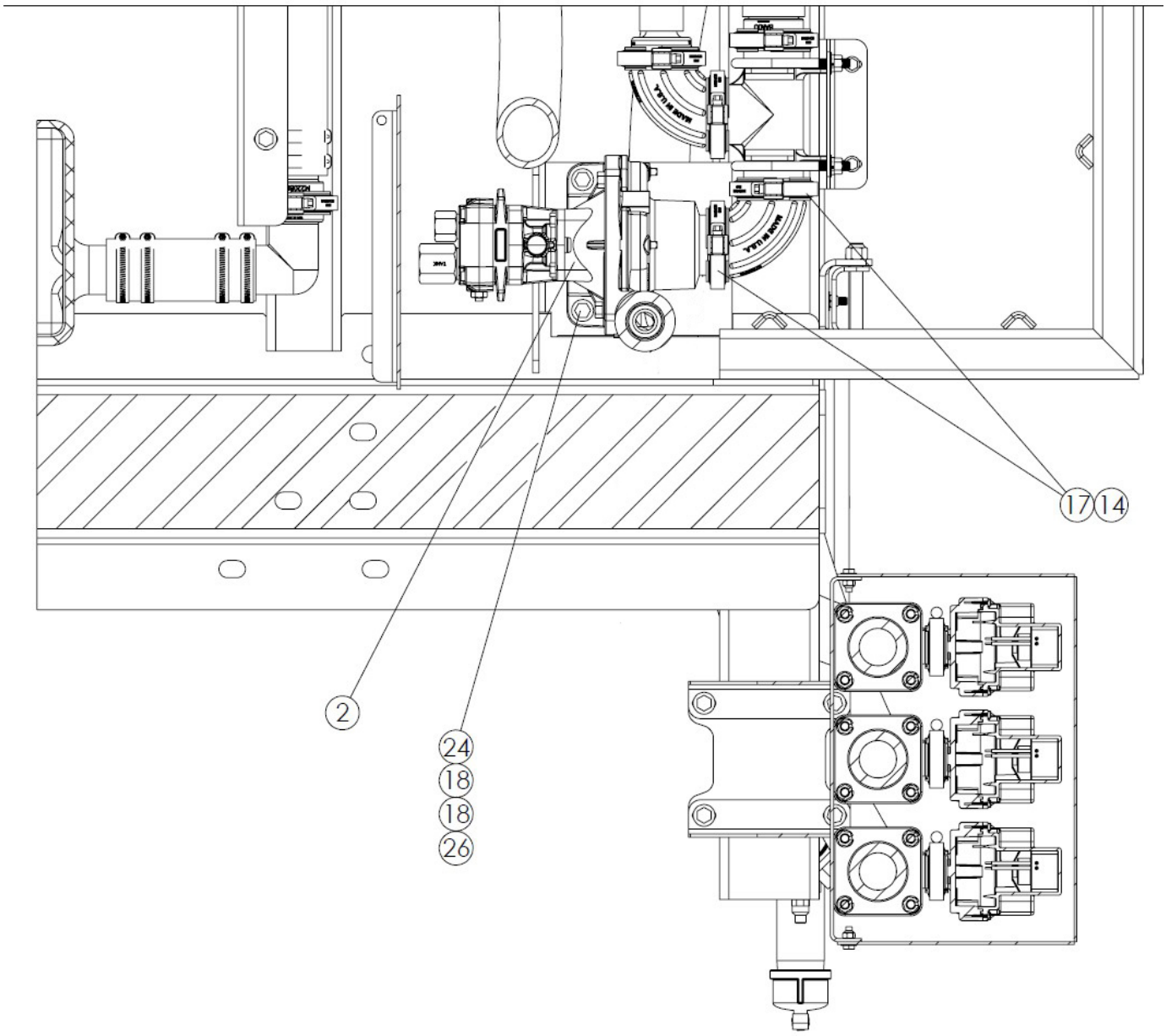
Liquid System

Liquid - Assy Anti-ice



Liquid System

Liquid - Assy Anti-ice



Liquid System

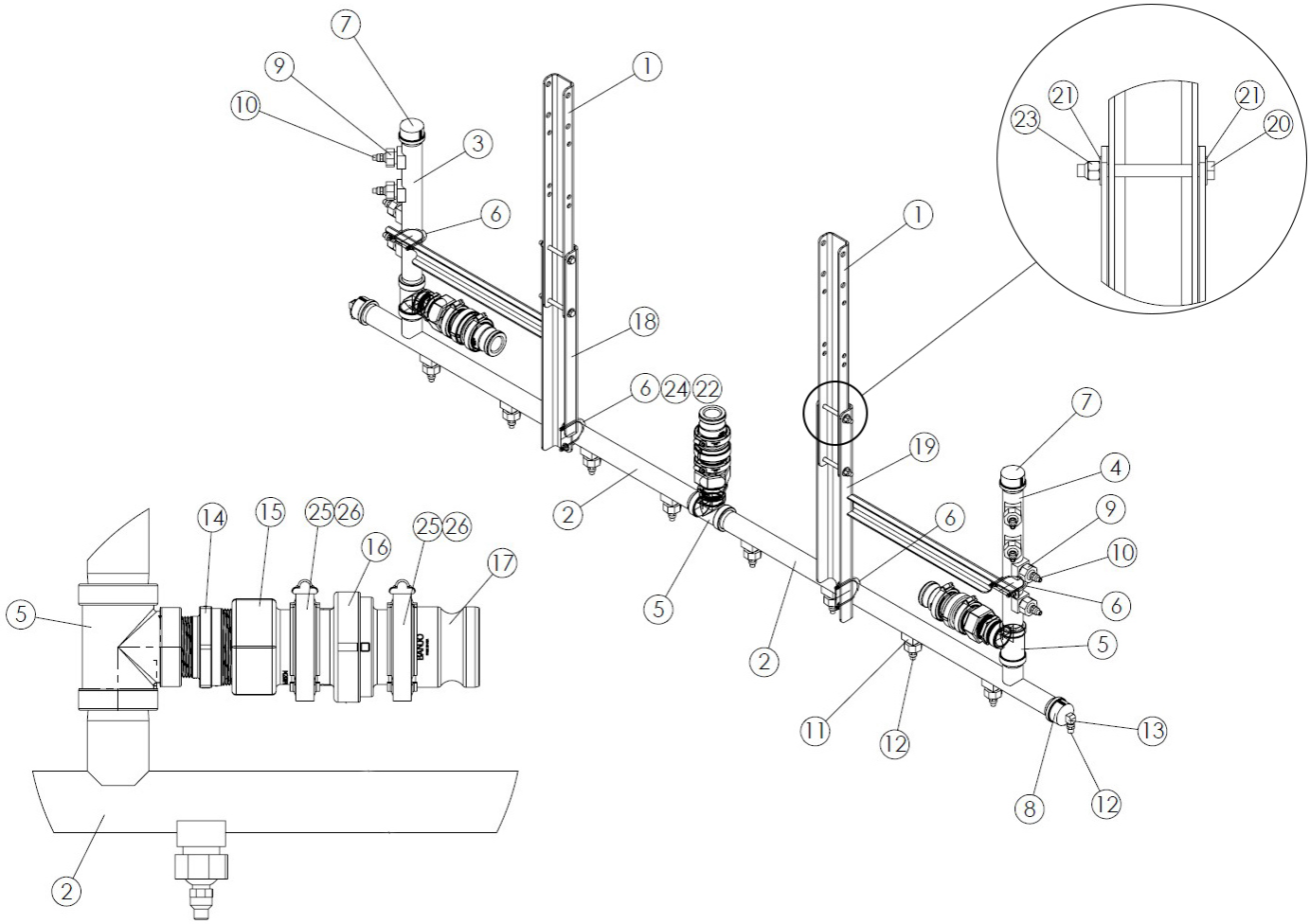
Liquid - Assy Anti-ice

ITEM	PART NO.	DESCRIPTION	QTY
1	316856	Bracket - Angle 304	1
2	316863	Pump - Centrifugal	1
3	316858	Mount - Wldmt Valve 304	1
4	317112	Cover - Wldmt	1
5	319200	Valve - Assy 3-Way Poly	1
6	316938	Valve - Assy Electric Poly	1
7	316827	Fitting - Elbow 45° Poly	1
8	316825	Fitting - Tee 2 Poly Manifold	1
9	316866	Fitting - Adapter 2 Manifold	2
10	316864	Sensor - Flowmeter	1
11	316906	Coupling - 2 Female X 2 Hose	1
12	316907	Coupling - 90° 2 Female X 2	2
13	319222	Hose - Group Antiice	1
14	316885	Gasket - 2fp Epdm	3
15	316829	Gasket - 1.5 Epdm	5
16	316830	Clamp - Worm 2 300 Series SS	5
17	316884	Clamp - Worm 2 300 Series SS	3
18	36425	Washer - Flat .375 SS	24
19	36423	Washer - Flat .25 SS	8
20	316831	U-Bolt - 2 18-8 SS	6
21	308029	Clamp - Hose Sae 36 SS	16
22	36393	Capscrew - .25-20nc X .75 SS	6
23	36398	Capscrew - .375-16nc X 1 SS	4
24	34858	Capscrew - .375-16nc X 1.5 SS	2
25	42034	Nut - Lock .25-20nc SS	6
26	72054	Nut - Lock .375-16nc SS	6
27	308240	Loctite - Plastic Pipe Sealant	AR
28	316874	Fitting - Sweep 90° 2fp	1
29	316882	Fitting - Hose Barb 45° 2fp	1

AR - As Required

Liquid System

Liquid - Assy Anti-ice Spraybar



Liquid System

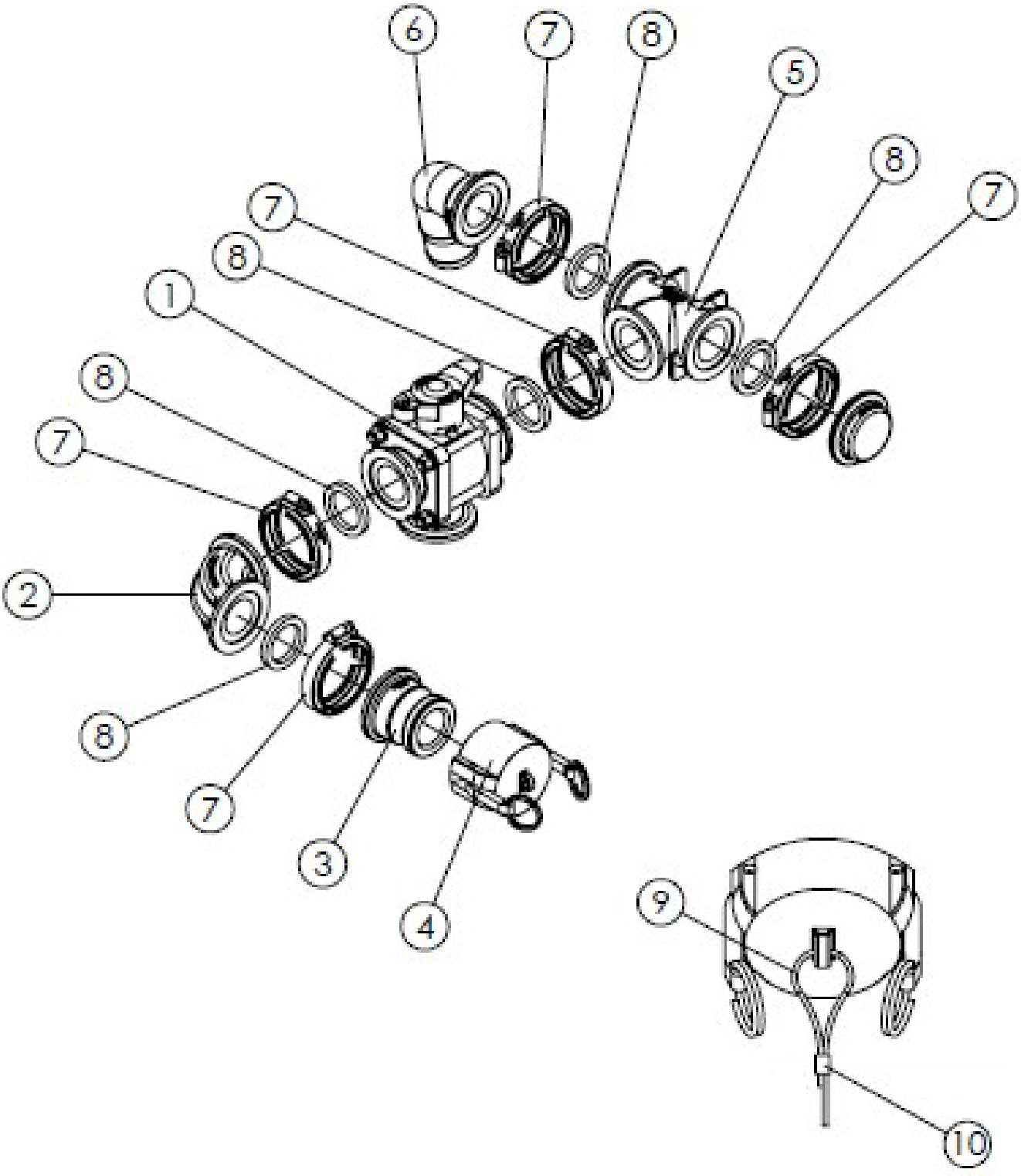
Liquid - Assy Anti-ice Spraybar

ITEM	PART NO.	DESCRIPTION	QTY
1	316715	Leg - Upper 304	2
2	316917	Spray Bar - Wldmt 304	2
3	316706	Pipe - Spray Lh 304	1
4	316707	Pipe - Spray Rh 304	1
5	316711	Pipe - Tee 304	3
6	316727	U-Bolt - 2 304	4
7	316708	Pipe - Cap 304	2
8	316709	Cap - Pipe Tapped 304	2
9	316730	Nozzle - Quick Attach .375	8
10	316728	Nozzle - .375 Brass	8
11	316731	Nozzle - Quick Attach .25	8
12	316729	Nozzle - .25 Brass	10
13	316732	Elbow - .25 Brass	2
14	316909	Fitting - Nipple Reducing 2	3
15	316826	Fitting - 2 Fnpt Poly	3
16	316908	Valve - Check .5 Pso 2	3
17	316870	Fitting - Adapter 2 Manifold	3
18	316916	Support - Wldmt Lh 304	1
19	316915	Support - Wldmt Rh 304	1
20	34860	Capscrew - .375-16nc X 4 SS	4
21	36425	Washer - Flat .375 SS	8
22	36424	Washer - Flat .313 SS	8
23	72054	Nut - Lock .375-16nc SS	4
24	42221	Nut - Lock .313-18nc SS	8
25	316830	Clamp - Worm 2 300 Series SS	6
26	316829	Gasket - 1.5 Epdm	6
27	*308240	Loctite - Plastic Pipe Sealant	AR
28	*00166	Loctite - Thread Sealant #565	AR

* Not Shown AR - As Required

Liquid System

Valve - Assy 3-Way Poly



Liquid System

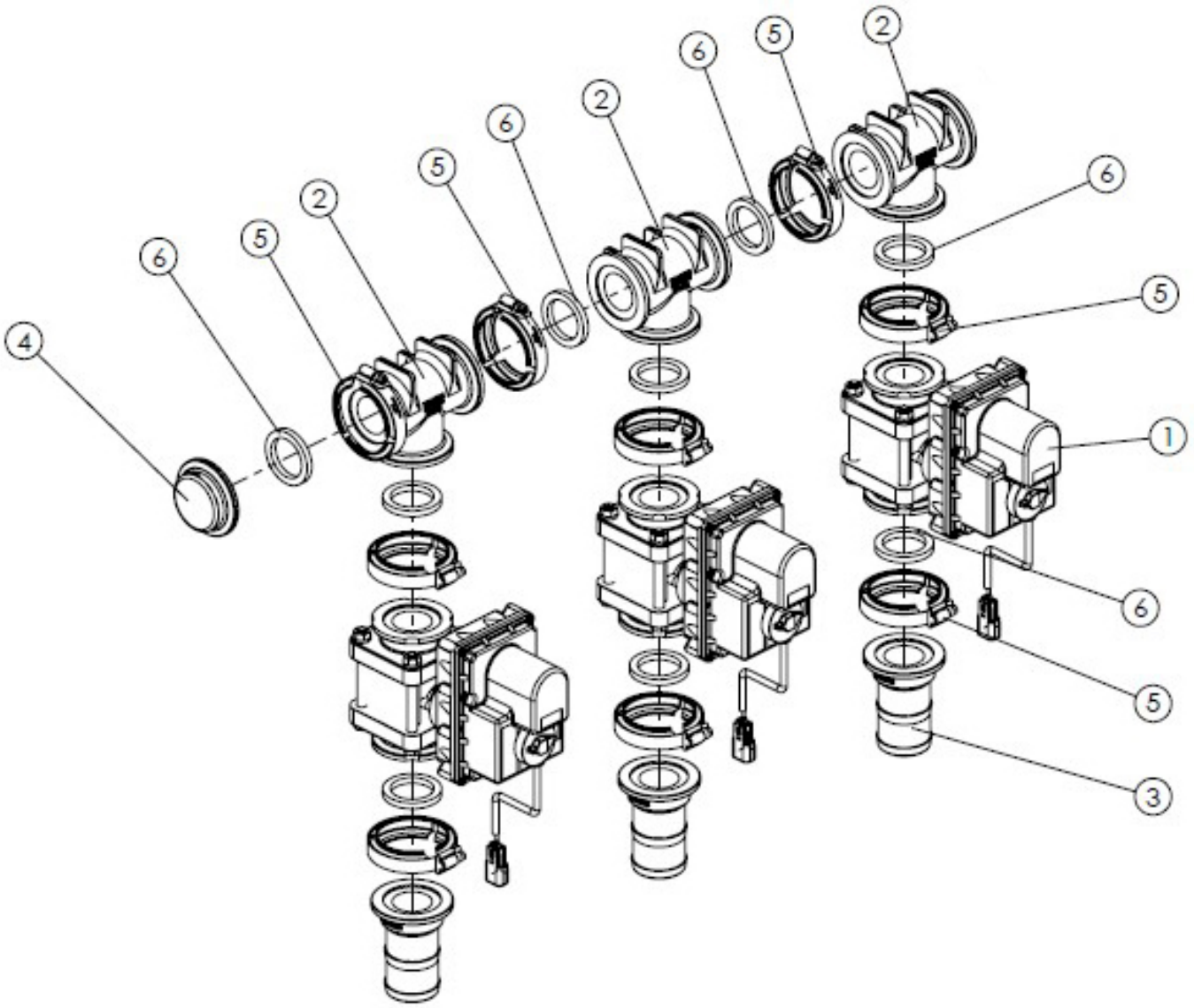
Valve - Assy 3-Way Poly

ITEM	PART NO.	DESCRIPTION	QTY
1	316715	Leg - Upper 304	2
2	316917	Spray Bar - Wldmt 304	2
3	316706	Pipe - Spray Lh 304	1
4	316707	Pipe - Spray Rh 304	1
5	316711	Pipe - Tee 304	3
6	316727	U-Bolt - 2 304	4
7	316708	Pipe - Cap 304	2
8	316709	Cap - Pipe Tapped 304	2
9	316730	Nozzle - Quick Attach .375	8
10	316728	Nozzle - .375 Brass	8
11	316731	Nozzle - Quick Attach .25	8
12	316729	Nozzle - .25 Brass	10
13	316732	Elbow - .25 Brass	2
14	316909	Fitting - Nipple Reducing 2	3
15	316826	Fitting - 2 Fnpt Poly	3
16	316908	Valve - Check .5 Pso 2	3
17	316870	Fitting - Adapter 2 Manifold	3
18	316916	Support - Wldmt Lh 304	1
19	316915	Support - Wldmt Rh 304	1
20	34860	Capscrew - .375-16nc X 4 Ss	4
21	36425	Washer - Flat .375 Ss	8
22	36424	Washer - Flat .313 Ss	8
23	72054	Nut - Lock .375-16nc Ss	4
24	42221	Nut - Lock .313-18nc Ss	8
25	316830	Clamp - Worm 2 300 Series Ss	6
26	316829	Gasket - 1.5 Epdm	6
27	*308240	Loctite - Plastic Pipe Sealant	AR
28	*00166	Loctite - Thread Sealant #565	AR

* Not Shown AR - As Required

Liquid System

Valve - Assy Electric Poly



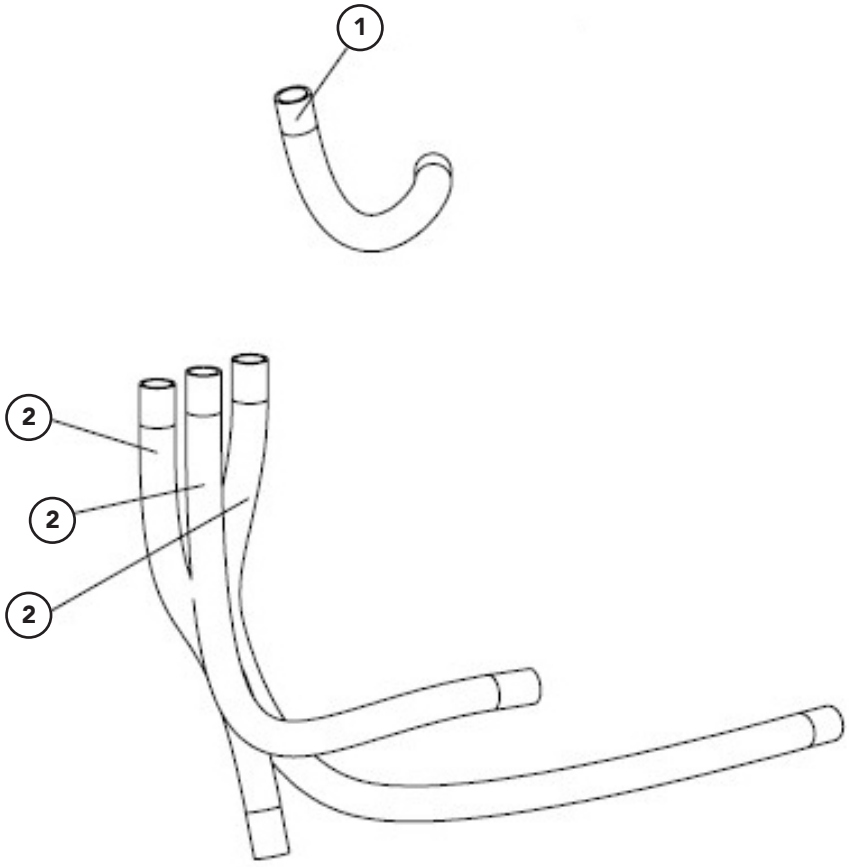
Liquid System

Valve - Assy Electric Poly

ITEM	PART NO.	DESCRIPTION	QTY
1	316868	Valve - 3-Way 2 Manifold	1
2	316869	Fitting - Adapter 90° 2	1
3	316870	Fitting - Adapter 2 Manifold	1
4	307913	Dust Cap - 2 Camlock Poly	1
5	316825	Fitting - Tee 2 Poly Manifold	1
6	316871	Fitting - Hose Barb 90° 2	1
7	316830	Clamp - Worm 2 300 Series SS	5
8	316829	Gasket - 1.5 Epdm	5
9	308084	Cable - .094 X 24 Coated	1
10	308085	Ferrule - .185 X .374	2
11	316883	Fitting - Plug 2 Manifold	1

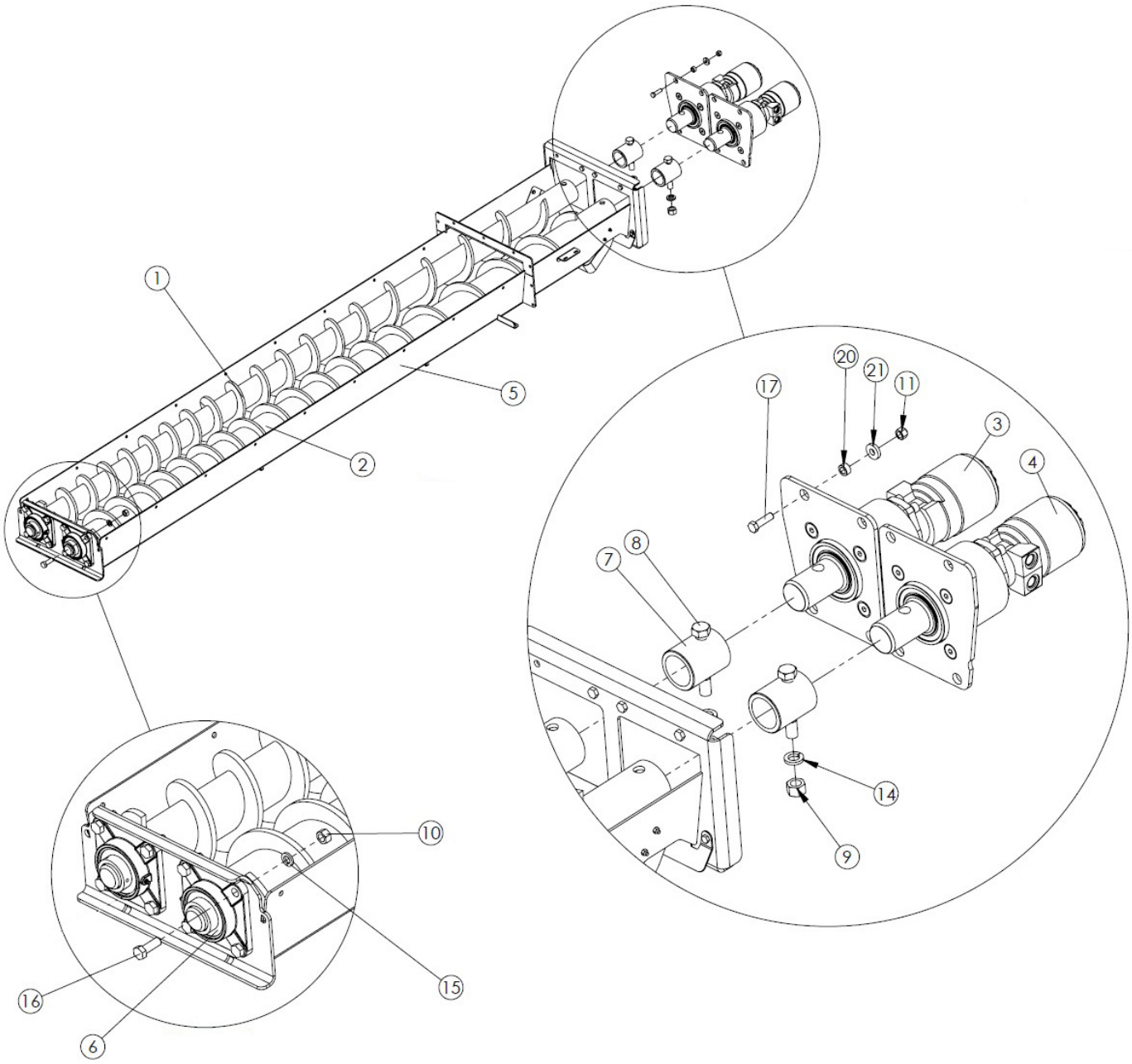
Liquid System

Hose Group

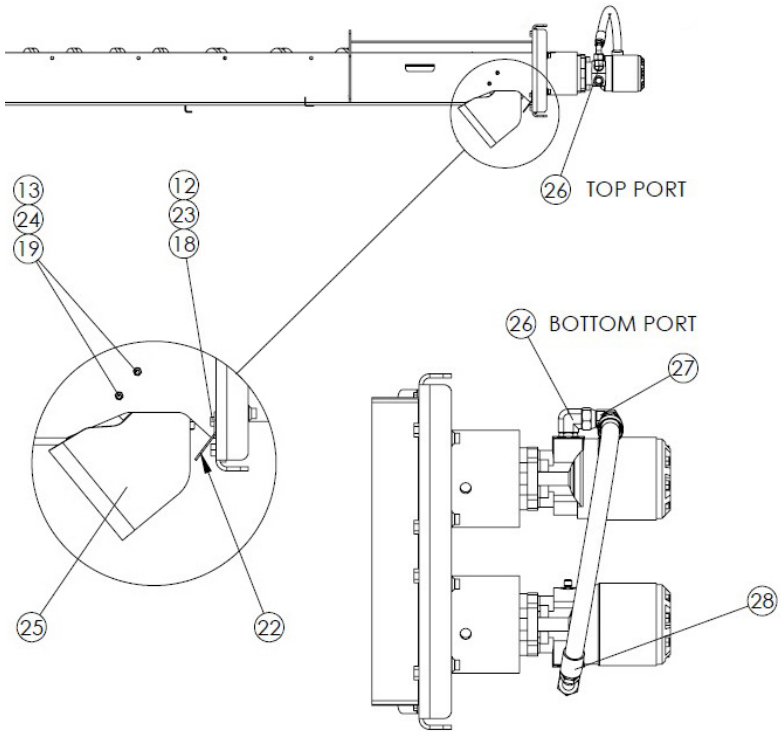


ITEM	PART NO.	DESCRIPTION	QTY
1	307905	Hose - 2 Vaccum/Transfer Pvc	2.3'
2	316923	Hose - 2 Suction/Descharge	16'

Auger Drive Assembly



Auger Drive Assembly



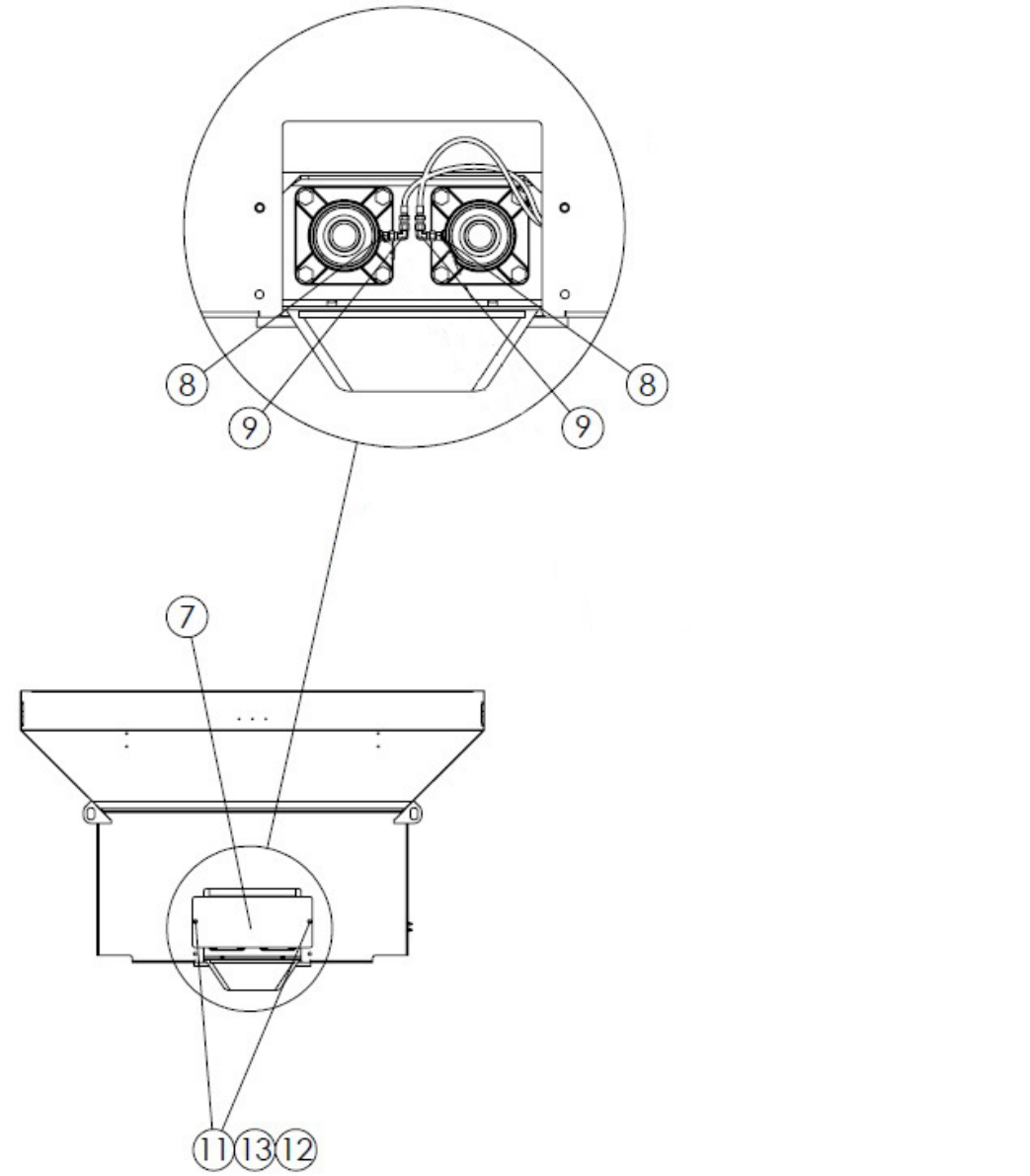
Auger Drive Assembly

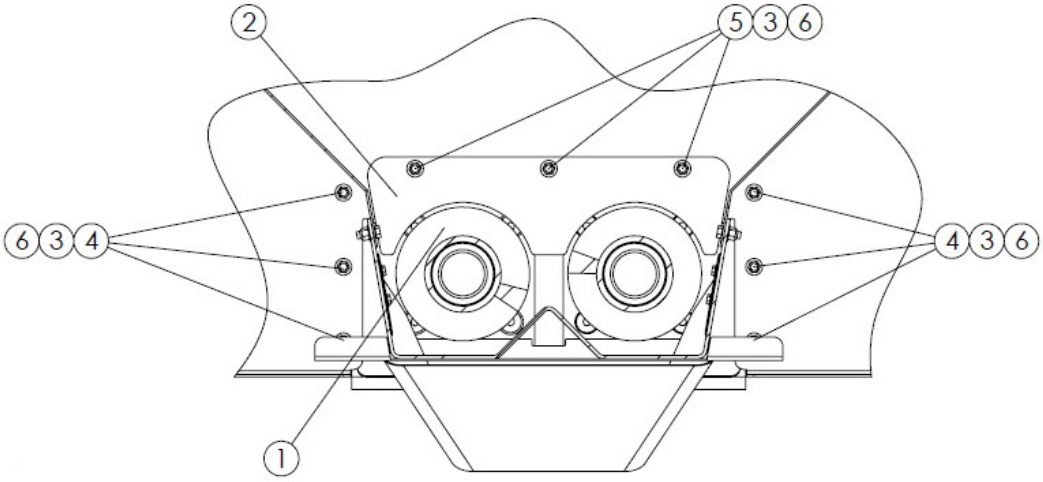
ITEM	PART NO.	DESCRIPTION	QTY
1	317497	RH Auger - Wldmt 10' X 7OD	1
	317913	RH Auger - Wldmt 12’ X 7OD	1
	316567	RH Auger - Wldmt 14’ X 7OD	1
2	317496	LH Auger - Wldmt 10' X 7OD	1
	317912	LH Auger - Wldmt 12’ X 7OD	1
	316568	LH Auger - Wldmt 14’ X 7OD	1
3	316622	Drive - Assy Auger RH	1
4	316621	Drive - Assy Auger LH	1
5	319130	Bottom - 10' 304	1
	319134	Bottom - 12’ 304	1
	316634	Bottom - 14’ 304	1
6	6465	Bearing - 4bf 2 Bore	2
7	314143	Insert - Drive Auger Tube	2
8	314138	Bolt - Coupling .875 -9 Unc X 5.5 304	2
9	314139	Nut - Lock .875-9nc SS	2
10	36417	Nut - Hex .625-11nc SS	8
11	39016	Nut - Lock .5-13nc SS	8
12	72054	Nut - Lock .375-16nc SS	2
13	42034	Nut - Lock .25-20nc SS	4
14	314140	Washer - Lock .875 SS	2
15	40597	Washer - Lock .625 SS	8
16	58800	Capscrew - .625-11nc X 1.75 SS	8
17	71832	Capscrew - .5-13nc X 1.75 SS	8
18	36398	Capscrew - .375-16nc X 1 SS	2
19	36393	Capscrew - .25-20nc X .75 SS	4
20	314142	Bushing - Drive 304	8
21	314144	Washer - Drive Plate 304	8
22	316769	Lip - Rear Deflector 304	1
23	36425	Washer - Flat .375 SS	2
24	36423	Washer - Flat .25 SS	4
25	316801	Chute - Conveyor 304	1

Auger Drive Assembly

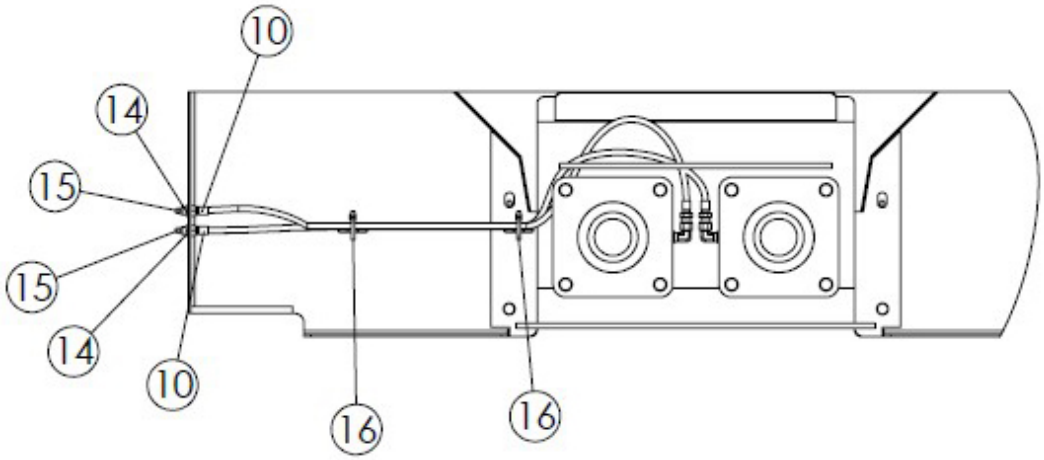
ITEM	PART NO.	DESCRIPTION	QTY
26	29773	Fitting - 12-10 070220	2
27	34709	Fitting - 12-12 070221	1
28	318223	Hose - Assy .75 X 26 100r12	1

Auger Drive Assembly Installation

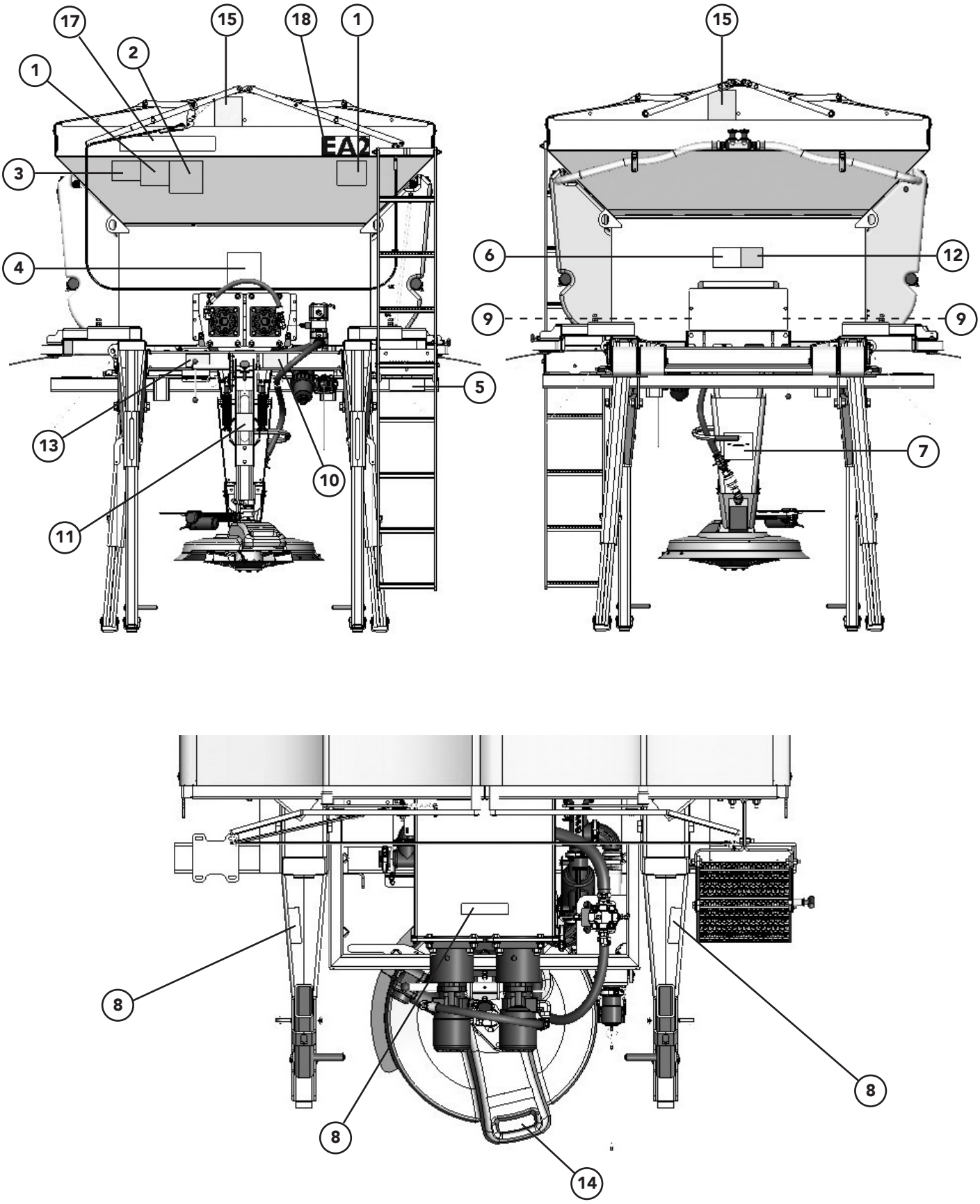




Auger Drive Assembly Installation



ITEM	PART NO.	DESCRIPTION	QTY
1	319129	Auger - Assy 10'	1
	319133	Auger - Assy 12'	1
	316626	Auger - Assy 14'	1
2	316813	Plate - Weir 304	1
3	36425	Washer - Flat .375 SS	27
4	36398	Capscrew - .375-16nc X 1 SS	24
5	36399	Capscrew - .375-16nc X 1.25 SS	3
6	72054	Nut - Lock .375-16nc SS	27
7	316843	Cover - Bearing Access 304	1
8	34787	Fitting - 4-2 070102	2
9	34868	Fitting - 4-4 070221	2
10	316849	Hose - Assy .125 X 33 Hlb	2
11	36393	Capscrew - .25-20nc X .75 SS	2
12	36423	Washer - Flat .25 SS	2
13	36418	Washer - Lock .25 SS	2
14	310471	Nut - Bulkhead .125-27	2
15	311663	Zerk - Grease .25-28 Straight	2
16	99674	Strap - Zip Tie 8 Black	2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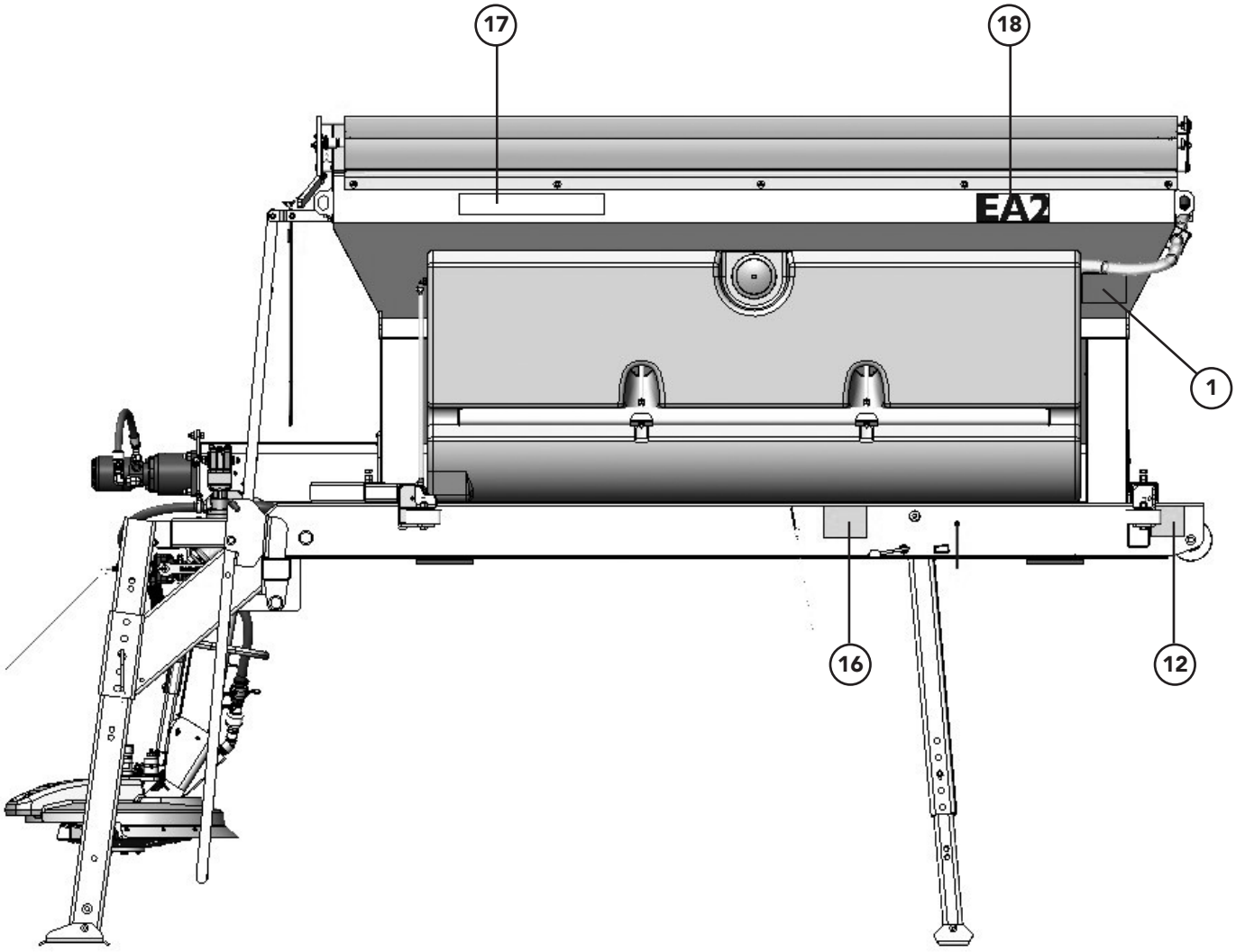
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EA2
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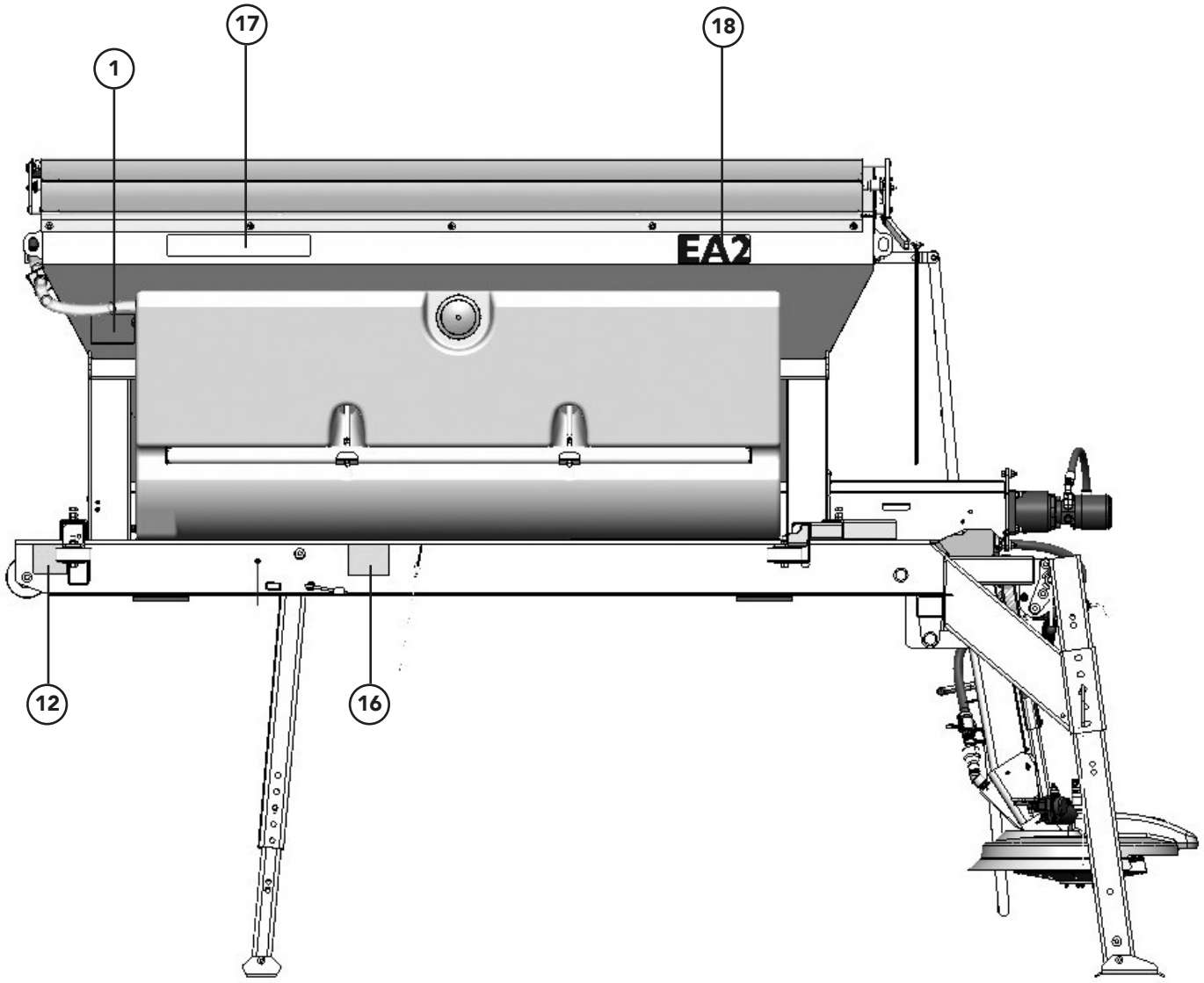
12


17
18
1
EA2
12
16

Decals

ITEM	PART NO.	DESCRIPTION	QTY
1	55997	Decal - Danger Moving Part	4
2	150034	Decal - Caution Oper & Maint	1
3	321	Decal - Caution Hazard Matl	1
4	39138	Decal - Warning High Pressure	1
5	305274	Decal - Warning Falling Hazard	1
6	55631	Decal - Warning Moving Part	1
7	71807	Decal - Warning Falling	1
8	39017	Decal - No Step	3
9	308191	Decal - Guard Is Missing	2
10	308192	Decal - Danger Flying Material	1
11	308193	Decal - Falling Hazard	1
12	308194	Decal - Danger Crushing Hazard	1
13	308196	Decal - Read Manual	1
14	308199	Decal - No Step	1
15	55241	Decal - Danger Pinch Point Hazard	2
16	308195	Decal - Lock Leg	2
17	315810	Decal - Hiway 3 Black	3
18	319223	Decal - Decor Ea2	3

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