



MODEL L4000G4

Parts List

UNIT SERIAL NO. _____

MULTAPPLIER/MULTIBIN SERIAL NO. _____

MANUAL NUMBER: 307074-AB-H

EFFECTIVE 09/2016



1330 76TH AVE SW
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NOTE: This manual incorporates several interactive features to provide supplemental information and ease of navigation. The information below is to aid in the identification and use of these features.

Hyperlinks

Hyperlinks provide direct access to a specific destination when clicked. The entire Table of Contents of this manual is hyperlinked to provide quick access to all sections of this manual when viewing the electronic version.

Hyperlinks within the content are denoted by **blue, bold underlined text**. Electronic format viewers can click these links for direct access to New Leader online features. Internet access is required.

Quick Reference (QR) Codes

Quick reference codes provide direct access to a specific destination when activated. An example is provided below. In the printed version of this manual, viewers may scan the codes with a supporting mobile device for direct access to New Leader online features. Mobile data is required.

The electronic version of this manual provides the option to scan codes on-screen, or to click the code like a button. Internet access/mobile data is required.



Click or Scan - Highwayequipment.com



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 Highway Equipment Company.

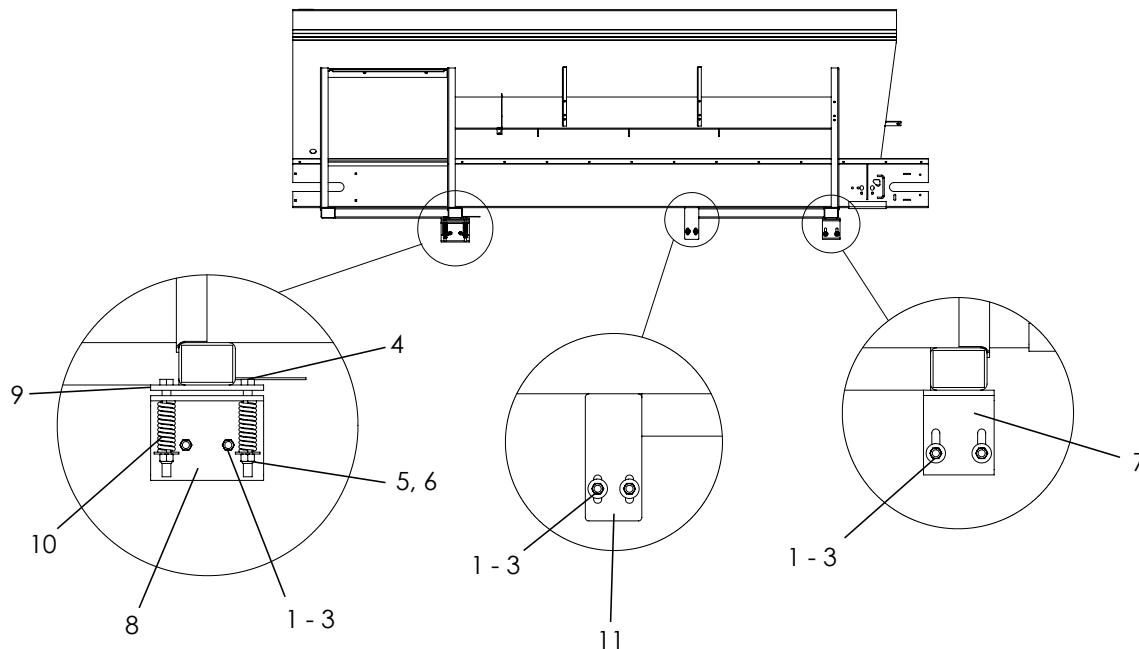
If your claims are not being handled (by the transportation company) to your satisfaction, please call our Product Sales & Support Department at Highway Equipment Company at 888-363-8006 for assistance.

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, 409 SS and 304 SS) are for that type of unit and do not necessarily mean the part is made of that type of steel.

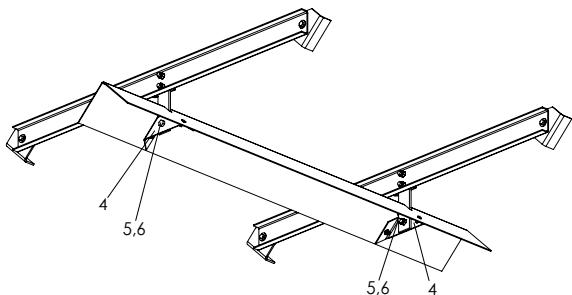
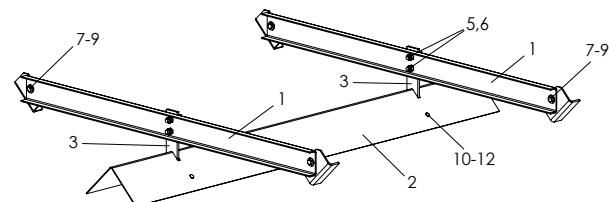
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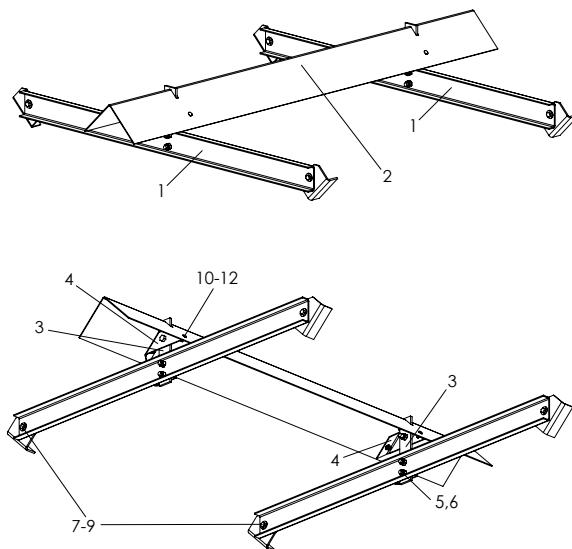
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	305579-AB	Hardware Kit - Includes 1 - 6	
1	20131	Cap Screw - 1/2-13NC x 2	12
2	20695	Washer – Flat 1/2	12
3	20680	Nut - Lock 1/2-13NC	12
4	41762	Nut – Lock 5/8-11NC	4
5	20195	Cap Screw - 5/8-11NC x 6-1/2	4
6	20697	Washer – Flat 5/8	4
7	31856	Angle - Mounting	2
8	81847	Angle - Tie Down	2
9	81848	Mounting - Bar	2
10	81000	Spring	4
11	310424	Mounting - Bar	2

Please Give Part No., Description
& Unit Serial No.

NEW LEADER



STANDARD (LOWER) ASSY

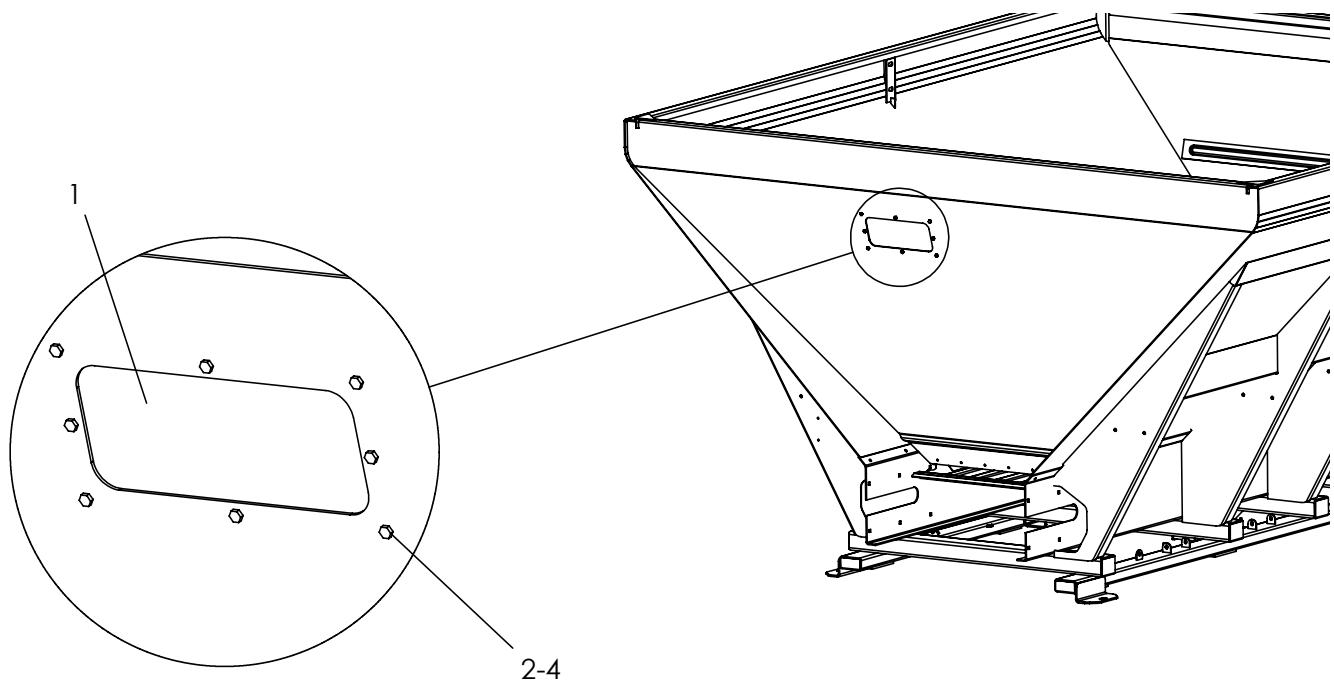


HIGH YIELD ASSY



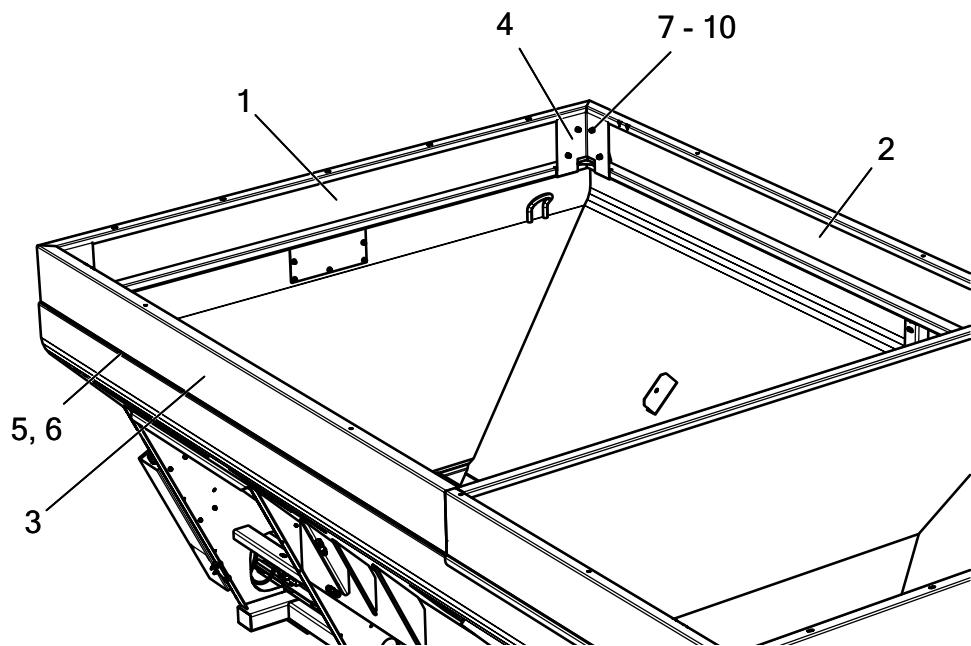
[Click image to play assembly video.](#)

ITEM	PART NO.	DESCRIPTION	QTY
	409 SS	304 SS	
1	81262	81263 Hanger – V Wldmt	3
2	82619	82623 Inverted V – 9' (13' - 14' Units)	1
3	308646	308646 Bar – Adjusting	3
4	302371	302371 Bracket – V Bolt-on	3
5	58800	58800 Cap Screw – 5/8-11NC x 1-3/4 SS	9
6	41762	41762 Nut - Lock 5/8-11NC SS	9
7	36402	36402 Cap Screw - 1/2-13NC x 1-1/4 SS	6
8	36426	36426 Washer - Flat 1/2 SS	6
9	39016	39016 Nut - Lock 1/2-13NC SS	6
10	42639	42639 Bolt - Carriage 5/16-18NC x 1 SS	6
11	36424	36424 Washer - Flat 5/16 SS	6
12	42221	42221 Nut - Lock 5/16-18NC SS	6



<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	302686	Window - Sight 5" x 12"	1
2	36395	Cap Screw - 1/4-20NC x 1 SS	8
3	36423	Washer - Flat 1/4 SS	8
4	42034	Nut - Lock 1/4-20NC SS	8

SIDE BOARDS

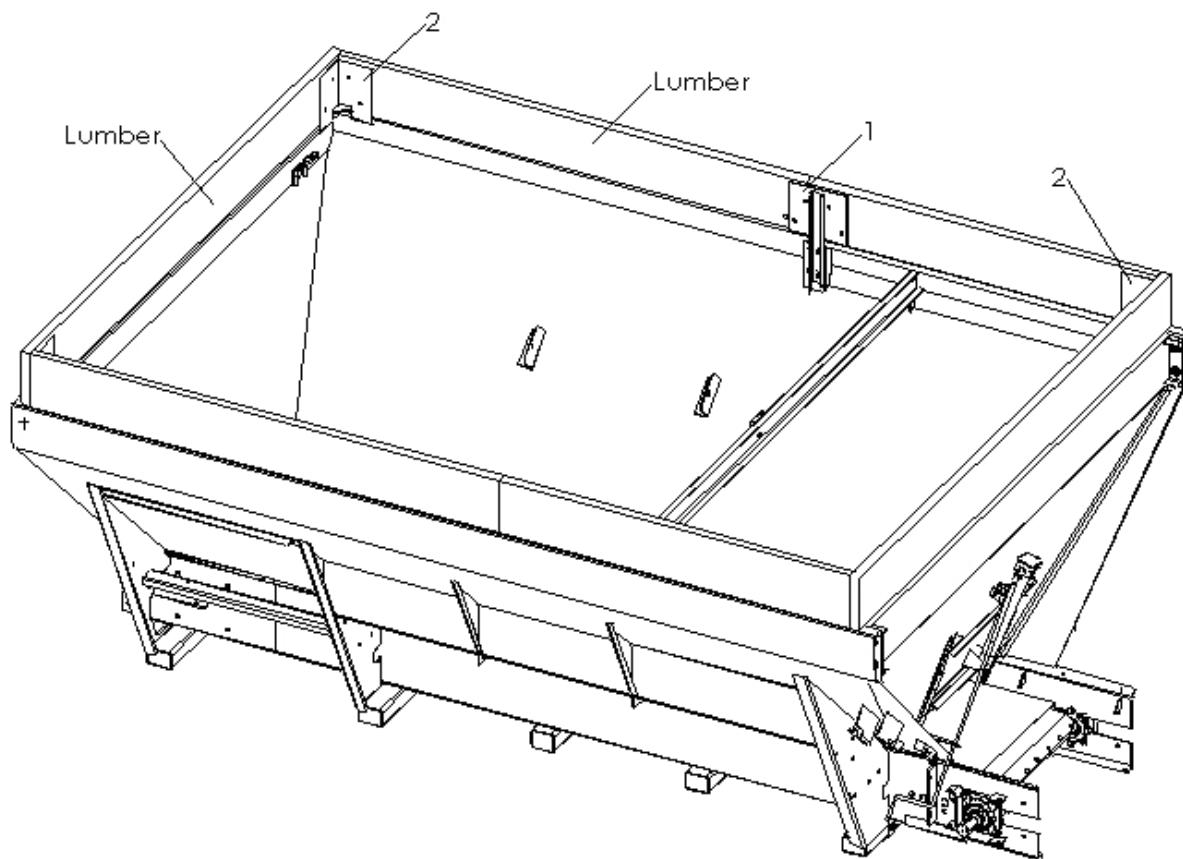


<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	98746	Kit - Hardware Side Boards SS, Includes Items 7 - 10	1
1	312601	Side Board – Front Wldmt	1
2	312922	RH Side Board Wldmt - 5'	1
	312924	RH Side Board Wldmt - 6'	1
	312602	RH Side Board Wldmt - 7'	1
	312926	RH Side Board Wldmt - 8'	1
	312928	RH Side Board Wldmt - 9'	1
3	312923	LH Side Board Wldmt - 5'	1
	312925	LH Side Board Wldmt - 6'	1
	312603	LH Side Board Wldmt - 7'	1
	312927	LH Side Board Wldmt - 8'	1
	312929	LH Side Board Wldmt - 9'	1
4	86867	Pocket – Side Board	2
5	53950	Rubber – 1/4 x 2-1/4	AR
6	96254-AB	Adhesive – Blk Cyanoacrylate*	AR
7	36398	Cap Screw – 3/8 x 1	12
8	36425	Washer – Flat 3/8	12
9	36420	Washer – Lock 3/8	12
10	36414	Nut – Hex 3/8	12

AR - As Required

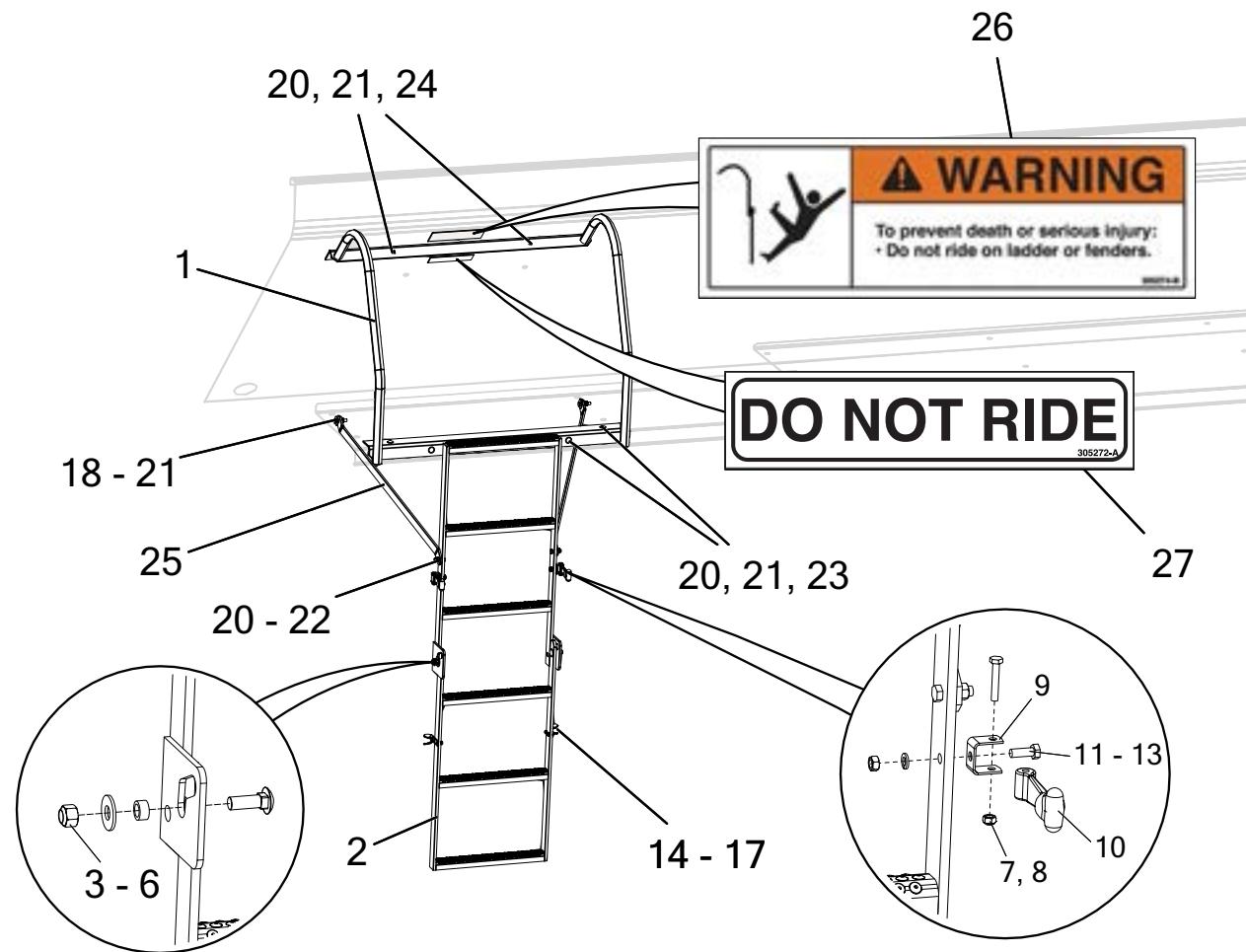
* - Use adhesive to attach rubber to bottom of side boards.

MOUNTS - SIDE BOARDS WOOD



<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	96285	Mount – Wldmt Side Board	2
2	86867	Pocket – Side Board	4
3	36401	Cap Screw – 1/2 x 1	4
4	36426	Washer – Flat 1/2	8
5	36422	Washer – Lock 1/2	4
6	36416	Nut – Hex 1/2	4

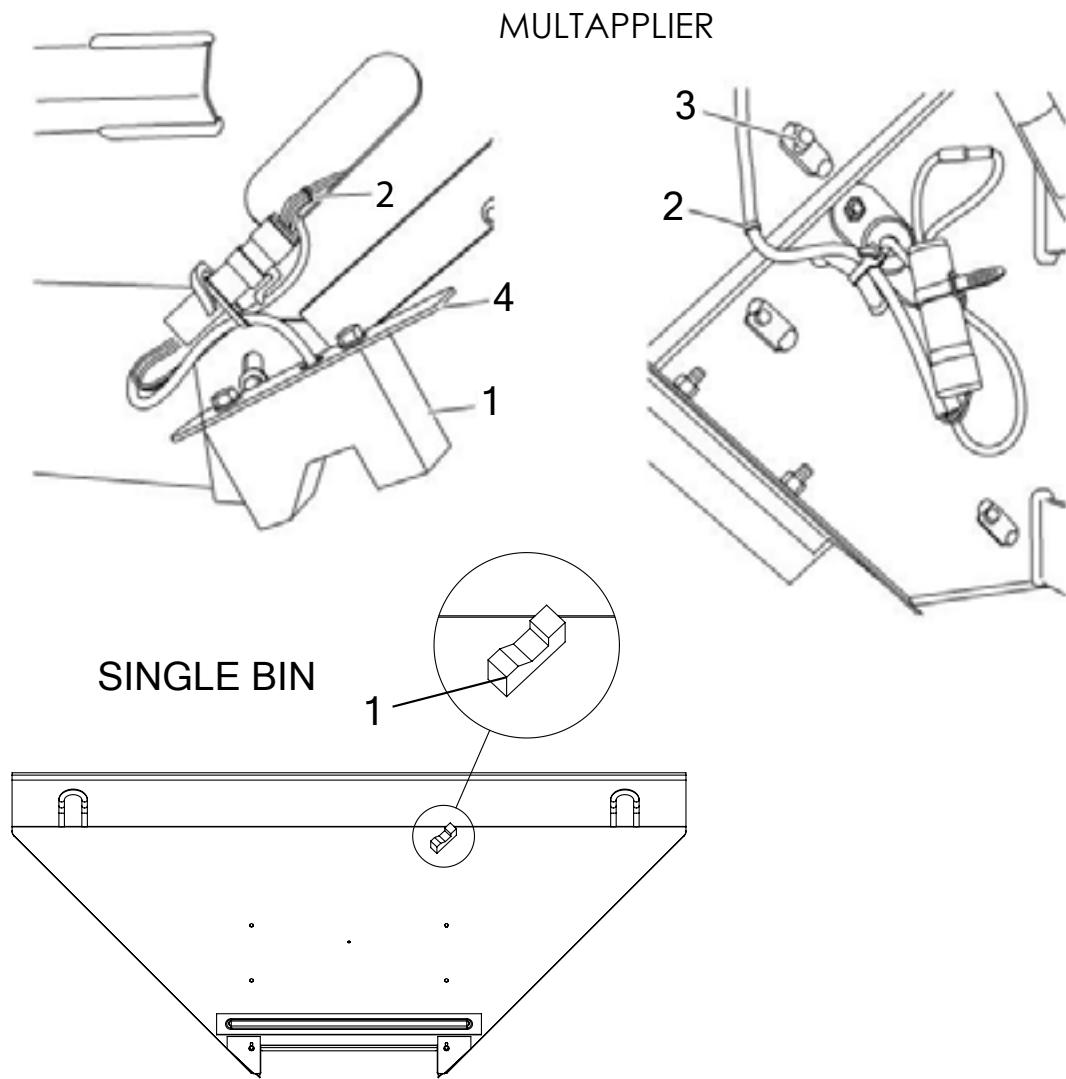
Note: Lumber not provided. Use 2 x 10 lumber cut to length for side boards. Attach to mounts with 3/8" carriage bolts (not provided).



LADDER CONTINUED

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	306116-X1	Ladder - Kit, 132" w Fenders, Includes Items 1 - 27	1
	306113-X1	Ladder - Assy Folding, Includes Items 1 - 17	1
1	305278-X1	Ladder - Wldmt Upper	1
2	300456	Ladder - Wldmt Insp Lower 304	1
3	39016	Nut - Lock 1/2-13NC SS	2
4	36426	Washer - Flat 1/2 SS	2
5	88638	Spacer - Bushing	2
6	36411	Bolt - Carriage 1/2-13NC x 1-1/2 SS	2
7	42448	Cap Screw - 1/4-20NC x 1-1/2 SS	2
8	42034	Nut - Lock 1/4-20NC SS	2
9	73344	Bracket - Anchor	2
10	73343	Hook - Rubber	2
11	34580	Cap Screw - 5/16-18NC x 1 SS	2
12	36419	Washer - Lock 5/16 SS	2
13	36413	Nut - Hex 5/16-18NC SS	2
14	150043	Bracket - Hood	2
15	47264	Screw - #10-24 x 3/4 SS	4
16	44451	Washer - Lock #10 SS	4
17	47295	Nut - Hex #10-24 SS	4
18	34858	Cap Screw - 3/8-16NC x 1-1/2 SS	2
19	36425	Washer - Flat 3/8 SS	2
20	36420	Washer - Lock 3/8 SS	10
21	36414	Nut - Hex 3/8-16NC SS	10
22	36399	Cap Screw - 3/8-16NC x 1-1/4 SS	2
23	36398	Cap Screw - 3/8-16NC x 1 SS	4
24	36408	Bolt - Carriage 3/8-16NC x 1 SS	2
25	305792	Strap - Support Ladder	2
26	305274	Decal - Warning, Do Not Ride	1
27	305272	Decal - Do Not Ride	1

AR - As Required



Click or Scan - Bin SensorTest Procedure

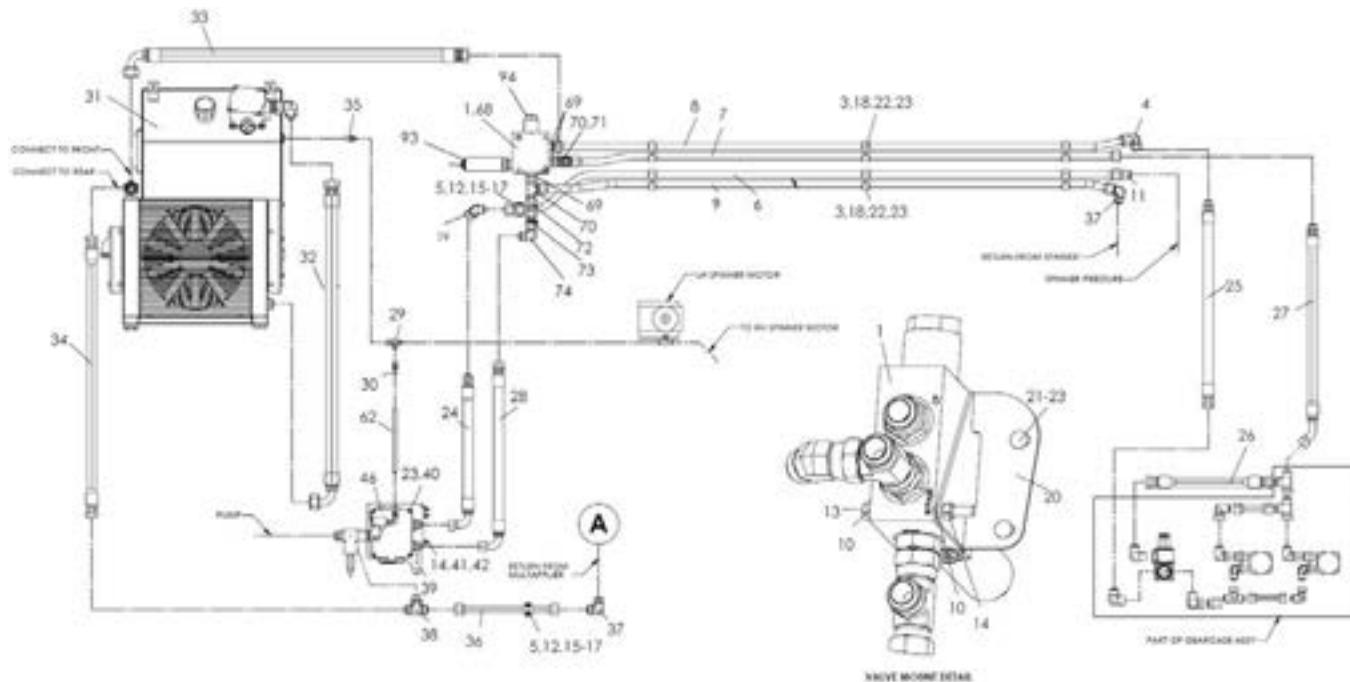
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	98787-AB	Sensor - Bin Level w/ 18" Lead	AR
2	307130	Cable - Jumper 102"	AR
3	36393	Cap Screw - 1/4-20NC x 3/4 SS	AR
4	307124	Mount - Sensor 304	AR

* - Not Shown

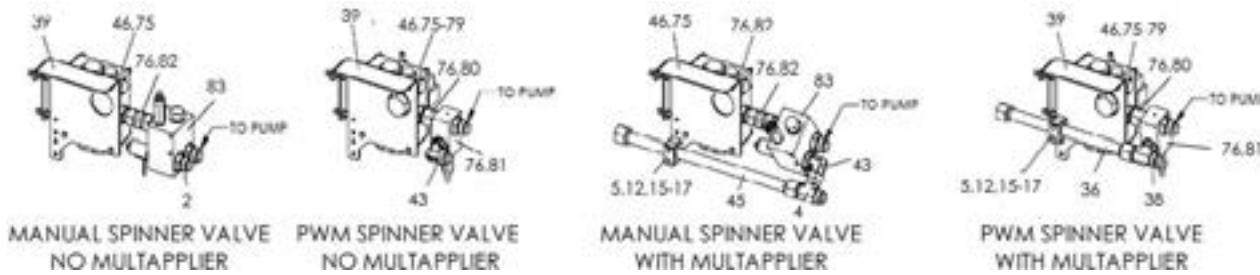
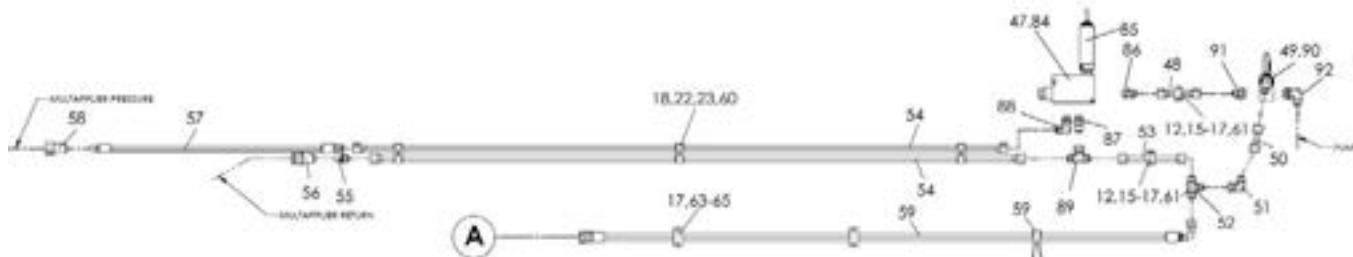
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Please Give Part No., Description
& Unit Serial No.



LEFT HAND HYDRAULICS

NOTE: MultApplier Complete with PWM Valve Shown

RIGHT HAND HYDRAULICS

NOTE: See "Hydraulics" section of operator's manual for codes linked to online hydraulic system service and repair procedures.

STANDARD HYDRAULICS CONTINUED

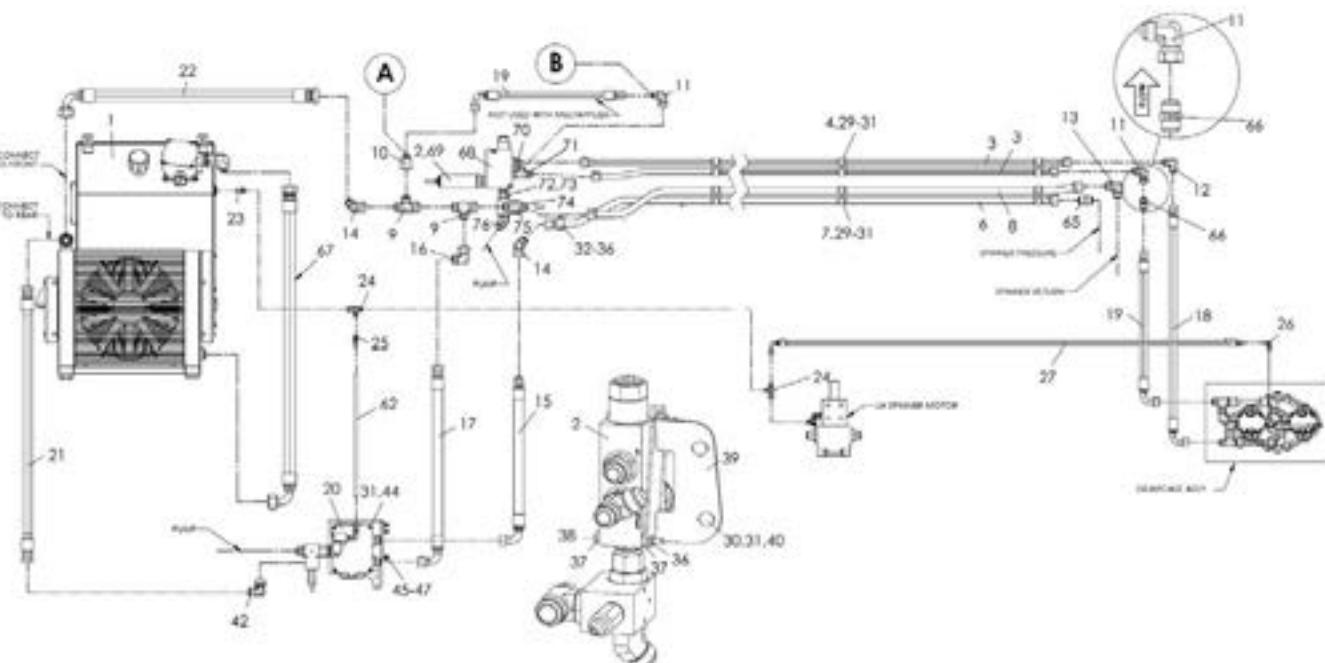
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	306290	Valve, Assy SFP 40 GPM, Includes 68-74	1
2	29803	Fitting - 16-16 070120	AR
3	300033	Clamp - Tubing Twin 1"	6
4	29807	Fitting - 16-16 070321	1
5	86557	Clamp - Tube 1"	AR
6	302424	Tube - 1" OD x 91" Assy 304 13' Unit	1
	302425	Tube - 1" OD x 103" Assy 304 14' Unit	1
7	302417	Tube - 1" OD x 81" Assy 304 13' Unit	1
	302418	Tube - 1" OD x 93" Assy 304 14' Unit	1
8	302410	Tube - 1" OD x 85" Assy 304 13' Unit	1
	302411	Tube - 1" OD x 97" Assy 304 14' Unit	1
9	302431	Tube - 1" OD x 85" Assy 304 13' Unit	1
	302432	Tube - 1" OD x 97" Assy 304 14' Unit	1
10	302099	Washer - Step	4
11	34719	Adapter - Union	1
12	86556	Plate - Cover Hydraulic Tube Clamp	AR
13	34860	Cap Screw - 3/8-16 x 4 SS	2
14	72054	Nut - Lock 3/8 SS	5
15	34865	Cap Screw - 1/4-20 NC x 2-1/4	AR
16	36423	Washer - Flat 1/4 SS	AR
17	42034	Nut - Lock 1/4-20NC SS	AR
18	71830	Cap Screw - 5/16-18NC x 2-1/2 SS	AR
19	29806	Adapter - Elbow, 45°	1
20	305914	Bracket - Wldmt Valve Mounting	1
21	42639	Bolt - Carriage 5/16 x 1 SS	1
22	36424	Washer - Flat 5/16	AR
23	42221	Nut - Lock 5/16-18 SS	AR
24	302345	Hose - Assy 1" x 22-1/2" 100 R12	1
25	302346	Hose - Assy 1" x 31" 100R2	1
26	82319	Hose - Assy 1" x 19" 2CB	1
27	42996	Hose - Assy 1" x 32-7/8" 2CB	1
28	56394	Hose - Assy 1" x 27-1/2" 100R2	1
29	98724	Fitting - Tee Run	1
30	34761	Fitting - Socketless	1
31	305054	Hydraulic Reservoir Assy	1
	306080	Hydraulic Reservoir Assy 304	1
32	98662	Hose 1-1/4" 2CB x 48"	1
33	305917	Hose - Assy 1-1/4" x 50-1/2" 2CB	1

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
34	82599	Hose - Assy 1" x 42" 2CB Return	1
35	29766	Fitting - 6-6 070102	1
36	302436	Tube - Assy 1" OD x 14-3/8"	1
37	29783	Fitting - 6-6 070221	1
38	34750	Fitting - 16-16-16 070433	1
39	302397	Bracket - Valve Mount	1
40	42794	Cap Screw - 5/16-18NC x 3-3/4 SS	4
41	36398	Cap Screw - 3/8-16 NC x 1 SS	3
42	36425	Washer - Flat 3/8 SS	3
43	29840	Fitting - 16-16 070221	1
44	29836	Fitting - 16-16-16 070433	1
45	302435	Tube - Assy 1" OD x 19-3/4"	1
46	305910	Valve - Assy Control PWM, Includes 75-81	1
	305918	Valve - Assy Control Manual, Includes 75,76,82,83	1
47	306292	Valve - Assy SFP 9 GPM, Includes 84-89	1
48	98644	Tube - Assy 3/4" OD x 5" 304	1
49	98650	Valve - Relief Assy 1500 PSI, Includes 90-93	1
50	98643	Tube - Assy 3/4" OD x 2-7/8" 304	1
51	34709	Fitting - 12-12 070221	1
52	29792	Fitting - 12-12-12 070401	1
53	302720	Tube - Assy 3/4" OD x 8-1/2"	1
54	98640	Tube - Assy 3/4" OD x 92" 13' Unit	2
	98641	Tube - Assy 3/4" OD x 104" 14' Unit	2
55	29784	Fitting - 12-8 070102	1
56	96652	Disconnect - Quick Nipple	1
57	98668	Hose - Assy 1/2" 100R1 x 36"	1
58	96651	Disconnect - Quick Hex Nut	1
59	305919	Hose - Assy 3/4" x 87" 2CB	1
60	75036	Clamp - Tubing Twin 3/4"	3
61	98649	Clamp - Pair - 3/4" Tube	2
62	34195-48	Hose - 3/8" x 48"	1
63	96926	Clamp - Pair - 1-1/4" Tube	2
64	96925	Plate - Top 1-1/4" Tube SS	2
65	36396	Cap Screw - 1/4-20NC x 3 SS	4
66	305928	Clamp - Tubing Twin 1-1/4"	1
67	306030	Cap Screw - 5/16-18NC x 3-1/4 304	1
68	306270	Valve - Assy Control 40 GPM SFP, Includes 93 & 94	1
69	29803	Fitting - 16-16 070120	3

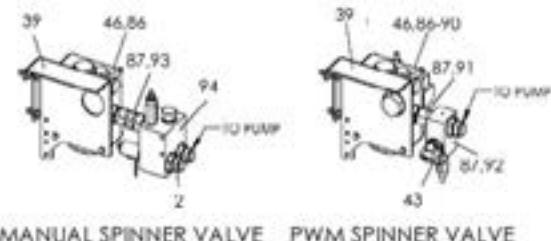
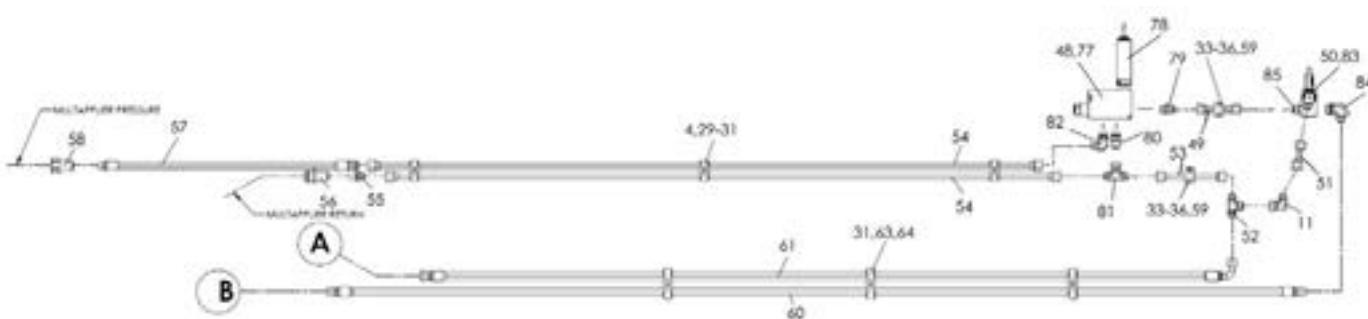
STANDARD HYDRAULICS CONTINUED

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
70	29850	Fitting - 16-16-16 070432	2
71	29806	Fitting - 16-16 070321	1
72	302449	Fitting - 16-16 Non Standard	1
73	302160-AB	Valve - Check 1"	1
74	29807	Fitting - 16-16 070221	1
75	38576-X4	Valve - Hydraulic Electric Actuated	1
		See "Spinner Control Valve" parts pages	
	38576	Valve - Hydraulic	1
	38576-AH	Valve - Kit Seal	1
76	29803	Fitting - 16-16 070120	AR
77	34757	Adapter	1
78	34816	Elbow - Hydraulic Fitting	1
79	34761	Fitting - Socketless	1
80	34810	Adapter	1
81	98109	Valve - Relief Soft Start	1
82	302449	Fitting - 16-16 Non Standard	1
83	56291	Valve - Relief/Unloader 3100 PSI	1
84	306274	Manifold - 5-25 GPM SFP	1
85	306277	Valve - Flow Control 9 GPM	1
86	29789	Fitting - 12-12 070120	1
87	303226	Fitting - 12-12 Special	1
88	29809	Fitting - 12-12-12 070433 Branch Tee	1
89	29847	Fitting - 12-12 070220	1
90	77498	Valve - Relief 1500 PSI	1
91	29835	Adapter	1
92	29829	Adapter - Elbow 90°	2
93	306272	Valve - Flow Control 40 GPM SFP	
94	306271	Manifold - 40 GPM SFP	
95	*307399	Pigtail - 3-Pin Metripack to Flying Lead (optional)	AR

* - Not Shown AR - As Required

LEFT HAND HYDRAULICS

NOTE: MultApplier Ready with PWM Valve Shown

RIGHT HAND HYDRAULICS

HI PERFORMANCE HYDRAULICS CONTINUED

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	305054	Hydraulic Reservoir Assy	1
	306080	Hydraulic Reservoir Assy 304	1
2	306291	Valve - Assy SFP 25 GPM, Includes 68-76	1
3	305900	Tube - 3/4" OD x 84-1/2" Assy 304 13' Unit	1
	305901	Tube - 3/4" OD x 96-1/2" Assy 304 14' Unit	1
4	75036	Clamp - Tubing Twin 3/4"	1
5	305902	Tube - 3/4" OD x 81" Assy 304 13' Unit	1
	305903	Tube - 3/4" OD x 93" Assy 304 14' Unit	1
6	305904	Tube - 1" OD x 88" Assy 304 13' Unit	1
	305905	Tube - 1" OD x 100" Assy 304 14' Unit	1
7	300031	Clamp - Tubing Twin 1" SS	3
8	305906	Tube - 1" OD x 85" Assy 304 13' Unit	1
	305907	Tube - 1" OD x 97" Assy 304 14' Unit	1
9	29850	Fitting - 16-16-16 070432	2
10	34849	Fitting - 16-12 070123	1
11	34709	Fitting - 12-12 070221	AR
12	29785	Fitting - 12-12 070201	1
13	29783	Fitting - 16-16 070201	1
14	29806	Fitting - 16-16 070321	2
15	56424	Hose - Assy 1" x 25" 100R2	1
16	29807	Fitting - 16-16 070221	1
17	29748	Hose - Assy 1" x 30" 100R2	1
18	305522	Hose - Assy 3/4" x 36" 100R12	1
19	29638	Hose - Assy 3/4" x 24"	AR
20	305910	Valve - Assy Control PWM, Includes 86-92	1
	305918	Valve - Assy Control Manual, Includes 86,87,93,94	1
21	82599	Hose - Assy 1" x 42" 2CB	1
22	305912	Hose - Assy 1-1/4" x 38-1/2" 2CB	1
23	29766	Fitting - 6-6 070102	1
24	98724	Fitting - 6-6-6 070432	2
25	34761	Fitting - Socketless 3/8" x 9/16"	1
26	34868	Fitting - 4-4 070221	1
27	306154	Hose - Assy 3/8" x 72" 100R1	1
28	*307399	Pigtail - 3-Pin Metripack to Flying Lead (optional)	AR
29	71830	Cap Screw - 5/16-18NC x 2-1/2 SS	AR
30	36424	Washer - Flat 5/16 SS	AR
31	42221	Nut - Lock 5/16-19 SS	AR
32	86557	Clamp - Tube 1"	1

Please Give Part No., Description
& Unit Serial No.

NEW LEADER

307074-AB-H

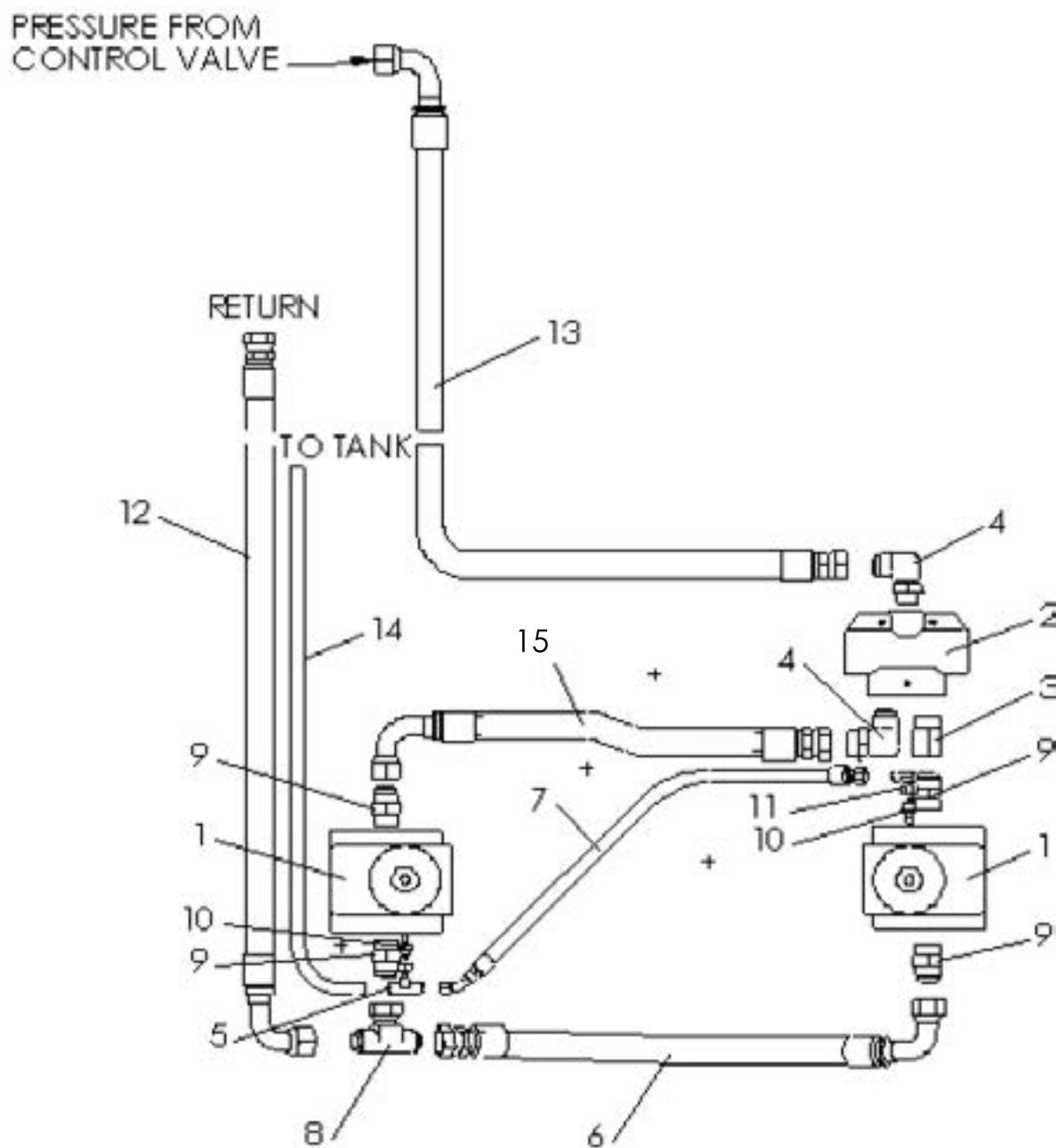
Page Rev. A

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
33	86556	Plate - Cover Hyd Tube Clamp	AR
34	34865	Cap Screw - 1/4-20NC x 2-1/4 SS	AR
35	36423	Washer - Flat 1/4 SS	AR
36	42034	Nut - Lock 1/4-20 SS	AR
37	302097	Washer - Step	4
38	36396	Cap Screw - 1/4-20NC x 3 SS	2
39	306118	Bracket - Wldmt Valve Mount	1
40	42639	Bolt - Carriage 5/16 x 1 SS	2
41	29803	Fitting - 16-16 070120	1
42	29840	Fitting - 16-16 070220	1
43	302397	Bracket - Valve Mount	1
44	42794	Cap Screw - 5/16-18NC x 3-3/4 SS	4
45	36398	Cap Screw - 3/8-16NC x 1 SS	3
46	36425	Washer - Flat 3/8 SS	3
47	72054	Nut - Lock 3/8-16 SS	3
48	306292	Valve - Assy SFP 9 GPM, Includes 77-82	1
49	98644	Tube - Assy 3/4" OD x 5" 304	1
50	98650	Valve - Relief Assy 1500PSI, Includes 83-85	1
51	98643	Tube - Assy 3/4" OD x 2-7/8" 304	1
52	29792	Fitting - 12-12-12 070401	1
53	302720	Tube - Assy 3/4" OD x 8-1/2" 304	1
54	98640	Tube - Assy 3/4" OD x 92" 304	2
55	29784	Fitting - 12-8 070102	1
56	96652	Disconnect - Quick Nipple	1
57	98668	Hose - Assy 1/2" 100R1 x 36"	1
58	96651	Disconnect - Quick Hex Nut	1
59	98649	Clamp Pair - 3/4" Tube	2
60	305924	Hose - Assy 3/4" x 135" 100R2	1
61	305925	Hose - Assy 3/4" x 112 2CB	1
62	34195-48	Hose - 3/8" x 48"	1
63	305928	Clamp - Tubing Twin 1-1/4"	3
64	306030	Cap Screw - 5/16-18NC x 3/1-4 304	3
65	34719	Fitting - 16-16 070101	1
66	302160-AA	Check - Valve -12 PSI	1
67	98662	Hose 1-1/4" 2CB x 48"	1
68	306274	Manifold - 5-25 GPM SFP	1
69	306279	Valve - Flow Control 25 GPM	1
70	29789	Fitting - 12-12 070120	1

HI PERFORMANCE HYDRAULICS CONTINUED

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
71	29791	Fitting - 12-12-12 070428	1
72	29788	Fitting - 12-12 Non Standard	1
73	29835	Fitting - 12-16 070120	1
74	98705	Valve - Relief Soft Start	1
75	34750	Fitting - 16-16-16 070429	1
76	56269	Fitting - 12-16 070320	1
75	29788	Fitting - 12-12 S1040-30 Non Standard	1
76	98705	Valve - Relief Soft Start 3400 PSI	1
77	306277	Valve - Flow Control 9 GPM	1
78	306274	Manifold - 5-25 GPM SFP	1
79	29789	Fitting - 12-12 070120	1
80	303226	Fitting - 12-12 Special	1
81	29809	Fitting - 12-12-12 070433 Branch Tee	1
82	29847	Fitting - 12-12 070220	1
83	77498	Valve - Relief 1500PSI	1
84	29835	Adapter	1
85	29829	Adapter - Elbow 90	2
86	38576-X4	Valve - Hydraulic Electric Actuated	1
		See "Spinner Control Valve" parts pages	
	38576	Valve - Hydraulic	1
	38576-AH	Valve - Kit Seal	1
87	29803	Fitting - 16-16 070120	9
88	34757	Adapter - 7/16 x 9/16	1
89	34816	Elbow - Hydraulic Fitting	1
90	34761	Fitting - Socketless 3/4" x 9/16"	1
91	34810	Adapter - 1-5/16 x 1-5/16	1
92	98109	Valve - Relief Soft Start	1
93	302449	Fitting - 16-16 070120	1
94	56291	Valve - Relief/Unloader 3100PSI	1

* - Not Shown AR - As Required

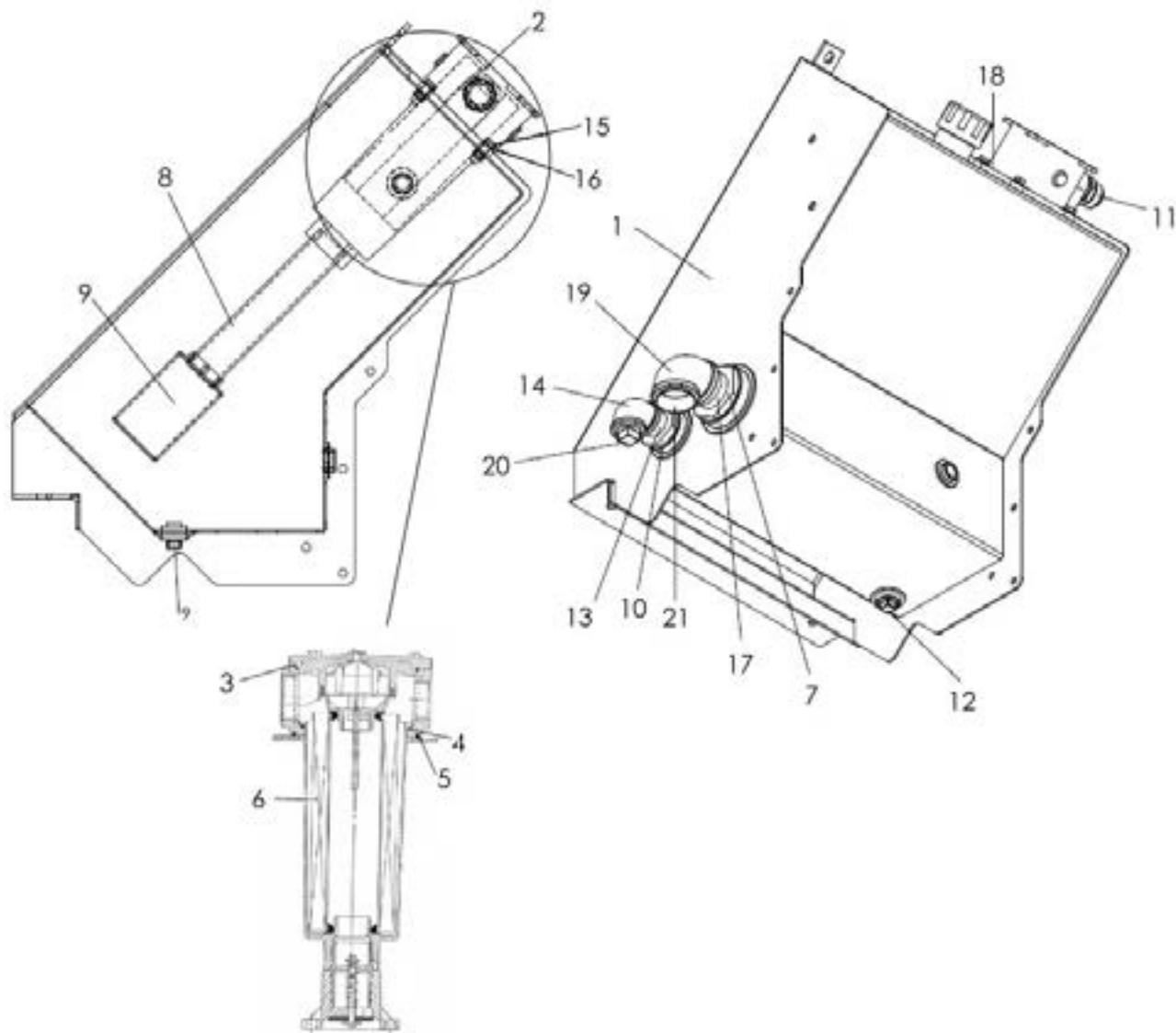


Click or Scan - 50/50 Flow Divider Valve Test Procedure

SPINNER HYDRAULICS CONTINUED

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	305948	Motor - Assy LH Style II, Includes 1,5,8-10	
	305949	Motor - Assy RH Style II, Includes 1,9-11	
1	313512	Motor - Spinner 5.1 CID (Post-2016 Units)	2
	305950	Motor-Spinner Style II (2016 & Previous units)	2
	72548	Seal Kit	AR
	305824	Seal Kit - Retainer	AR
2	71781	Valve – Flow Divider	1
3	34810	Adapter	1
4	29840	Adapter - 90°	2
5	29825	Tee – Swivel Nut	1
6	87111	Hose Assy	1
7	87112	Hose Assy	1
8	29836	Tee – Swivel Nut	1
9	29803	Adapter	4
10	34763	Adapter	2
11	34816	Adapter - 90° 1	1
12	87113	Hose – Return Assy	1
13	98102	Hose – Pressure Assy	1
14	83601	Hose – 13' Unit Drain Line	1
	83602	Hose – 14' Unit Drain Line	1
15	98101	Hose Assy	1

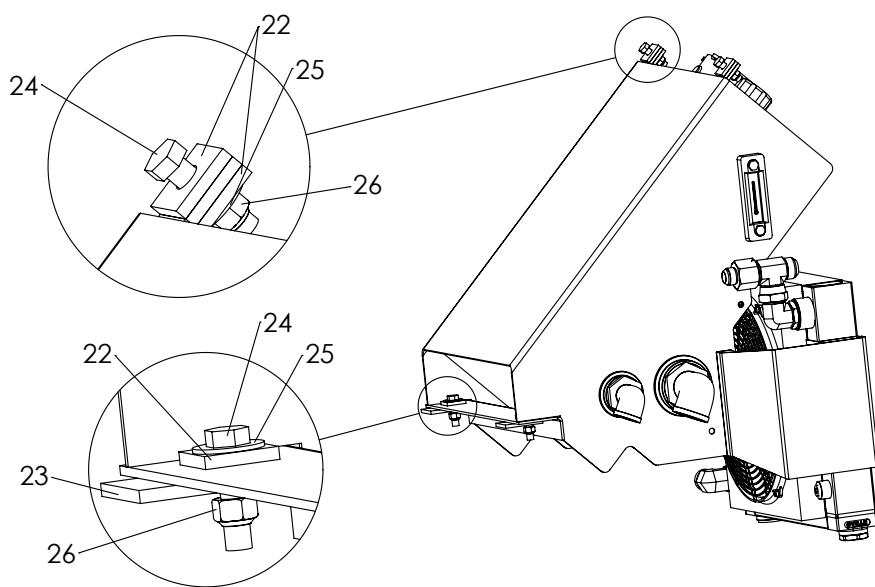
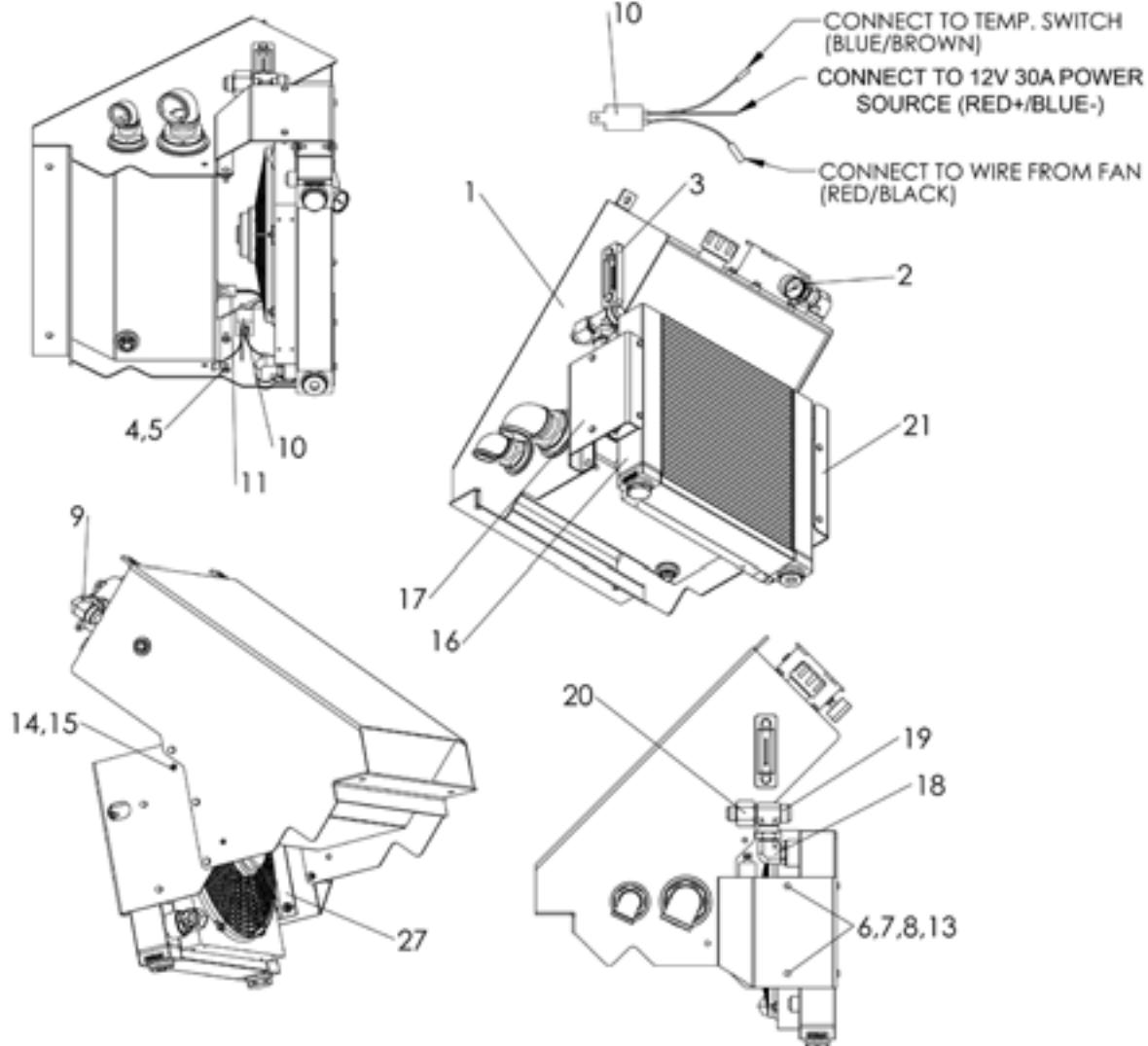
HYDRAULIC RESERVOIR



HYDRAULIC RESERVOIR CONTINUED

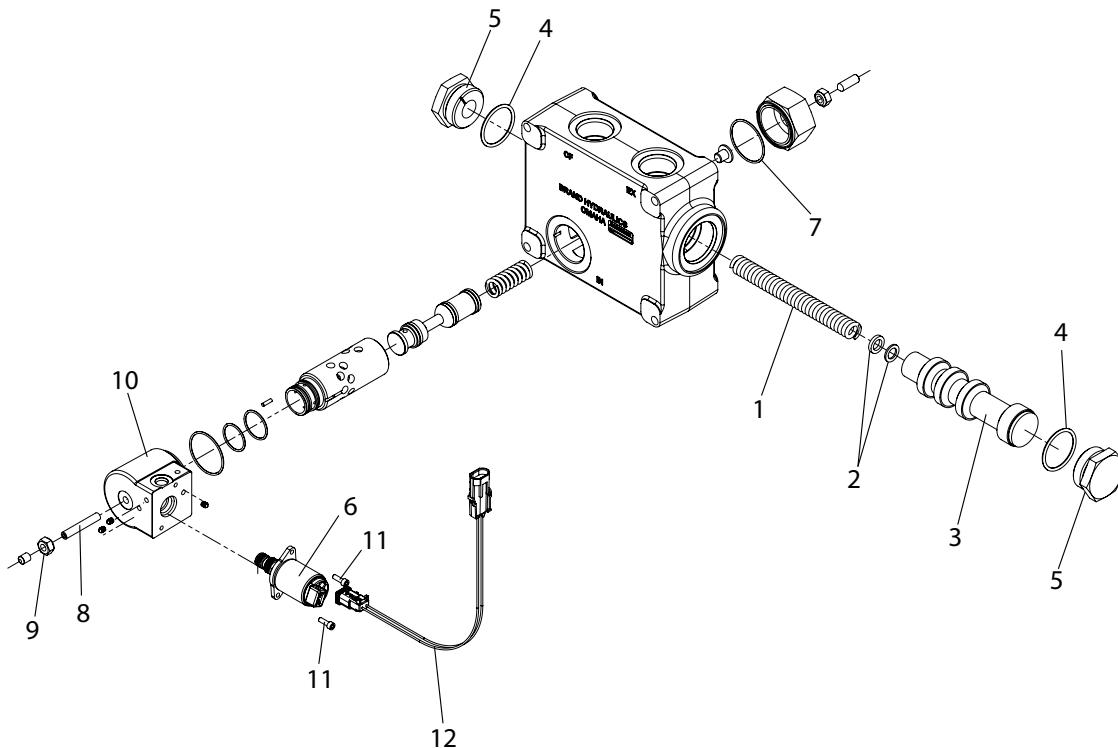
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	305054	Hydraulic Reservoir Assy	
	306080	Hydraulic Reservoir Assy 304	
1	305050	Reservoir – Hydraulic Wldmt	1
	306074	Reservoir - Hydraulic Wldmt 304	1
2	88838	Filter – Return, Includes 3-6	1
3	306772	O-Ring - Cover Filter	1
4	306773	O - Ring - Housing Filter	1
5	306789	Seal - Filter Assy	1
6	305066	Element - Filter	1
7	305063	Strainer – 2 NPT	1
8	305058	Pipe – 1.5 SCH40 10	1
9	305057	Diffuser – Tank	1
10	305062	Strainer – 1-1/4 NPT	1
11	29768	Fitting – 20-20 070102	1
12	305061	Plug – Magnetic 1 NPT	1
13	6028	Nipple - Close 1-1/4 NPT	1
14	6011	Elbow 90° 1-1/4 NPT	1
15	20068	Cap Screw – 3/8-16 x 1-1/4	4
	36399	Cap Screw - 3/8-16 x 1-1/4 SS	4
16	20712	Washer – Lock 3/8	4
	36420	Washer - Lock 3/8 SS	4
17	22324	Nipple - Close 2 NPT STD	1
18	306186	Gasket Maker - Silicone	1
19	23703	Adapter - Elbow 90° 2 NPT	1
20	6035	Plug - Pipe 1-1/4 NPT	1
21	306301	Plug - Tapered 2 NPT	1

HYDRAULIC RESERVOIR W/ COOLER



<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	305054	Hydraulic Reservoir Assy	1
	306080	Hydraulic Reservoir Assy 304	1
2	43534	Indicator – Service	1
3	38575	Gauge – Sight & Temperature	1
4	36398	Cap Screw – 3/8-16NC x 1 SS	5
5	72054	Nut – Lock 3/8 SS	5
6	36424	Washer – Flat 5/16	8
7	34580	Cap Screw - 5/16 x 1	8
8	36413	Nut – Hex 1/3-18NC SS	8
9	98568	Fitting – 20-20 070221	1
10	96750-X1	Relay – 12VDC 40A	1
11	305074	Switch – Temperature 114°	1
12	*98662	Hose – 1-1/4" 2CB x 48"	1
13	36419	Washer – Lock 5/16 SS	8
14	56258	Screw – Truss Head 1/4-20 x 1/2 SS	1
15	42034	Nut – Lock 1/4-20 SS	1
16	305767	Cooler – Assy	1
	*305767-AA	Core - Cooler	1
	*305767-AB	Fan - Assy Cooler	1
	*305767-AC	Housing - Cooler	1
17	305761	Bracket – Cooler LH	1
18	96916	Fitting – 20-20 070220	2
19	56267	Fitting – 20-20 070433	1
20	34819	Fitting – 20-16 070123	1
21	305760	Bracket – Cooler RH	1
22	39159	Belt – Spacer	6
23	39158	Belt – Flex Mount	2
24	36403	Cap Screw – 1/2-13 x 2 SS	4
25	36426	Washer – Flat 1/2 SS	6
26	39016	Nut – Lock 1/2-13NC SS	4
27	306447	Bracket - Cooler Mount	2

* - Not Shown



Click or Scan -
12V Override - 40 GPM
PWM Spinner Valve

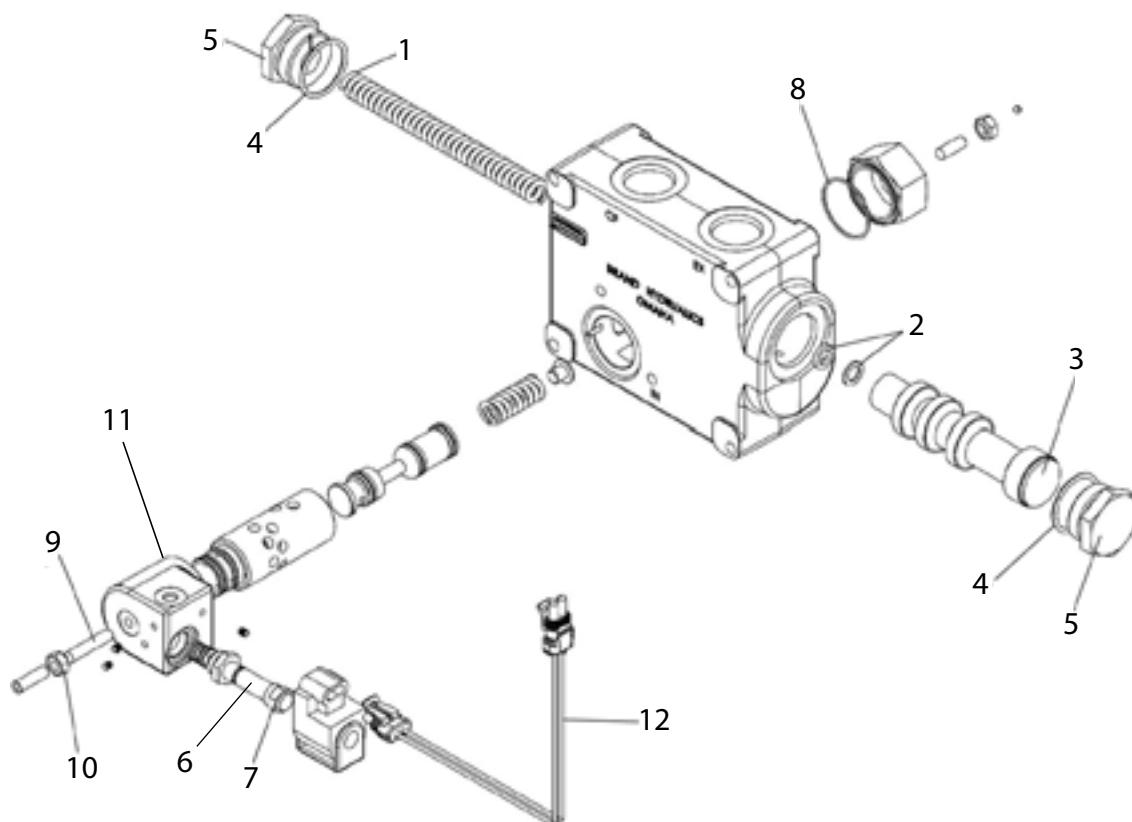


Click or Scan -
Manual Override - 40 GPM
PWM Spinner Valve

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	38576-X4	Valve - Flow Control Electric Actuated	1
1	53960	Spring	1
2	90696	Shim	2
3	90697	Spool	1
4	90698	O-Ring	1
5	90699	Plug	2
6	38576-AA	Cartridge	1
7	38576-AC	O-Ring	1
8	38576-AD	Screw - Set	1
9	38576-AE	Nut - Jam	1
10	38576-BC	Cartridge Valve Body	1
11	38576-BD	Screw - SHCS 8-32 x .5	2
12	38576-AI	Cable Assy	1
13	*38576-AH	Valve - Kit Seal	1

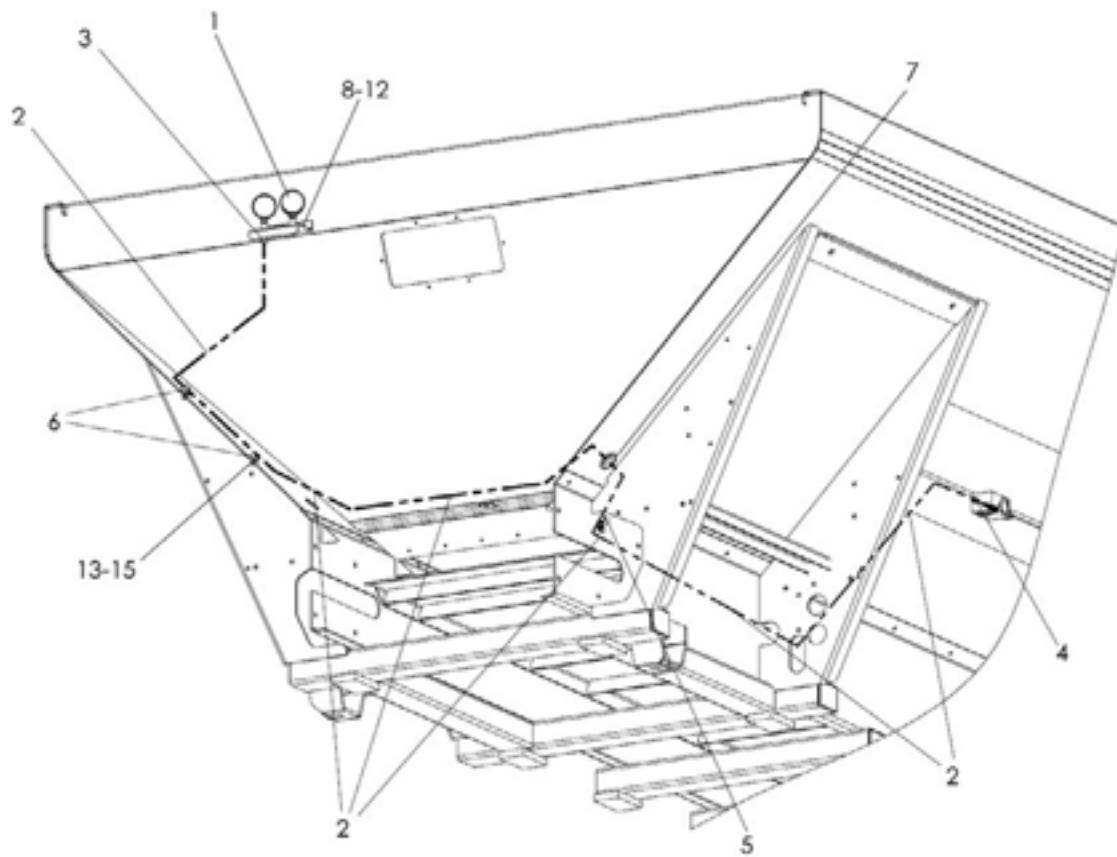
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SPINNER CONTROL VALVE - STYLE B



<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	38576-X4	Valve - Flow Control Electric Actuated	1
1	53960	Spring	1
2	90696	Shim	2
3	90697	Spool	1
4	90698	O-Ring	1
5	90699	Plug	2
6	38576-AA	Cartridge	1
7	38576-AG	Nut - Cartridge	1
8	38576-AC	O-Ring	1
9	38576-AD	Screw - Set	1
10	38576-AE	Nut - Jam	1
11	38576-AF	Cartridge Valve Body	1
12	38576-AI	Cable Assy	1
13	*38576-AH	Valve - Kit Seal	1
14	**38576-BA	Kit - Pilot Conversion Use to convert Style B valve to Style A	AR

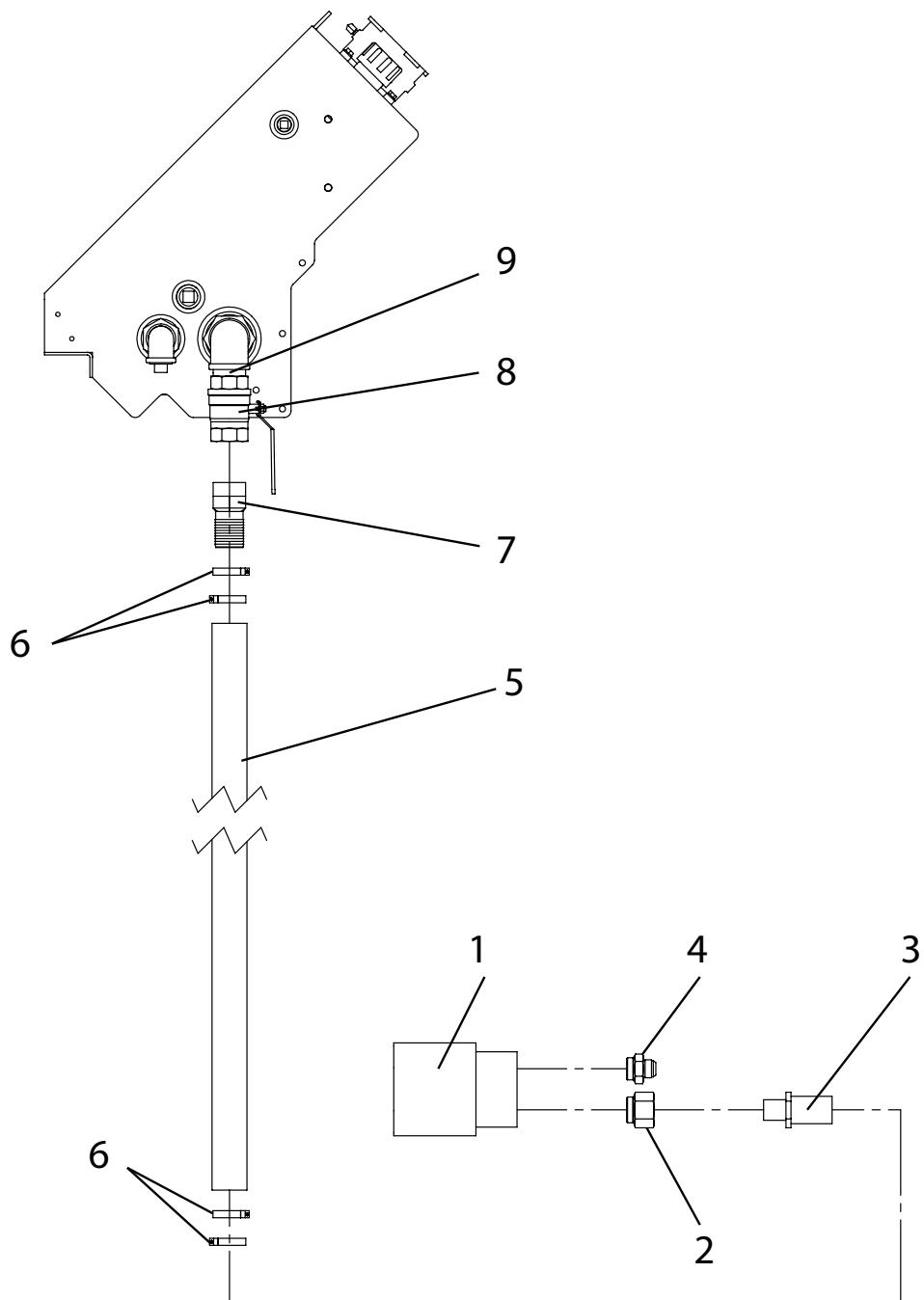
* - Not Shown AR - As Required



*Note: 306797 Assy Shown

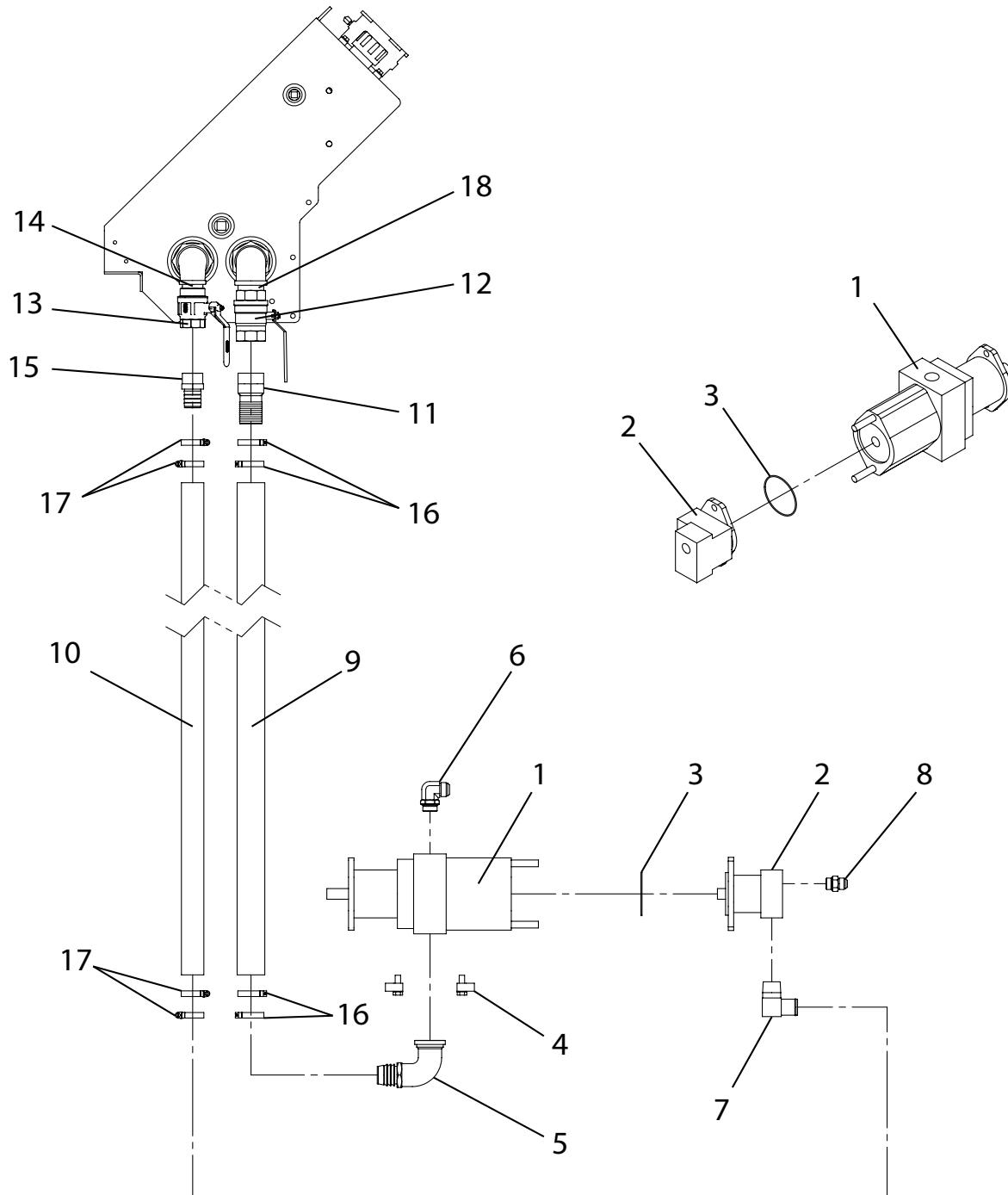
GAUGE KIT CONTINUED

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	76044	Gauge - Hyd. 5000 PSI w/ Built in Snubber	1
	28389	Gauge - Hyd. 30000 PSI w/ Built in Snubber	1
2	306798	Hose - .35" dia. 100R2 x 160" Assy	1
	307509	Hose - .25" dia. 100R2 x 112" Assy	1
	304951	Hose - .25" dia. x 100" 100R1 Assy	1
3	29765	Fitting - 4-4 070102	1
4	29849	Fitting - 4-4 070120	1
	29795	Fitting - 4-4 070220	1
5	89051	Clamp - Insulated Closed	AR
6	26562	Clamp - Tubing 1/2	2
7	34129	Grommet - Rubber	1
8	304948	Bracket - Wldmt Gauge	1
9	34580	Cap Screw - 5/16-18NC x 1 SS	2
10	36424	Washer - Flat 5/16 SS	2
11	36413	Nut - Hex 5/16-18NC SS	2
12	36419	Washer - Lock 5/16 SS	2
13	36393	Cap Screw - 1/4-20 NC x 3/4 SS	2
14	36418	Washer - Lock 1/4 SS	2
15	36412	Nut - Hex 1/4-20 NC SS	2



Click or Scan - Relief Valve Setup & Hydraulic Pump Pressure Test Procedure

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	86665	Pump - 4.38 CID Hydraulic Direct Mount	1
2	29780	Fitting - 1-7/8 - 12 SAE x 1-1/2 NPT	1
3	96654	Fitting - Hose End 1-1/2 NPT x 2" Hose	1
4	34845	Adapter	1
5	32401-108	Hose – Suction 2" x 108"	1
6	22380	Clamp – Hose	1
7	29811	Fitting – Hose End	1
8	305060	Valve – Ball 2"	1
9	22324	Nipple - 2 NPT	1

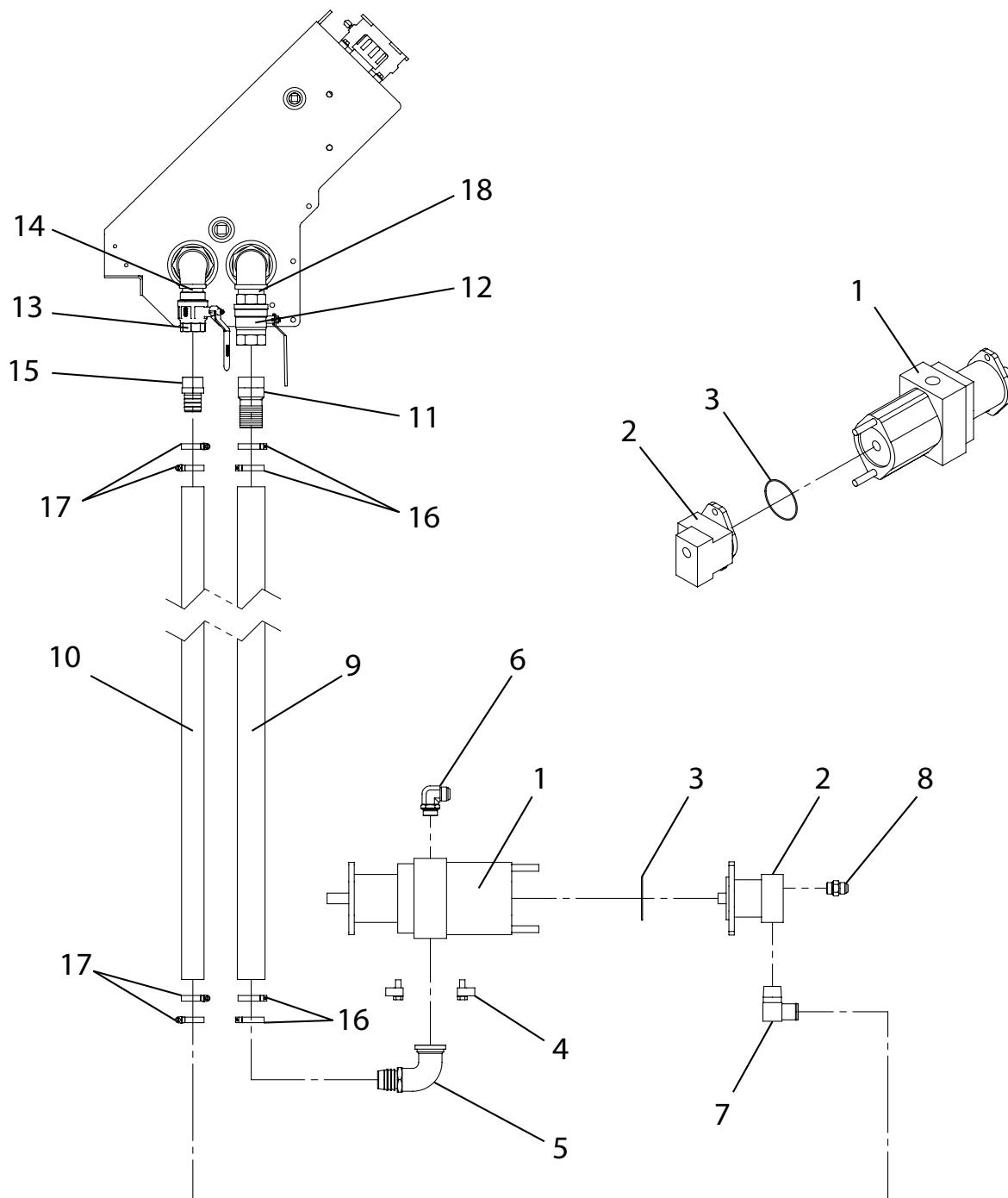


Click or Scan - Relief Valve Setup & Hydraulic Pump Pressure Test Procedure

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	304424	Pump - 4.46 CID Hydraulic (Front section)	1
	* 300493	Gasket – Paper Pump	1
	* 300492	Cover – Pump Rear	1
2	304425	Pump – .93 CID (Rear section)	AR
3	300669	O-Ring – 4" ID	AR
4	41015	Kit – Flange Split -32	1
5	34806	Fitting – 32-32 12151-3-E90S-L	1
6	29840	Adapter – Elbow 90°	1
7	304427	Fitting – 20-20 430260	AR
8	29789	Fitting – 12-12 070120	AR
9	32401-108	Hose – Suction 2" x 108"	1
10	23184-108	Hose – Suction 1-1/4"	AR
11	29811	Fitting – Hose End	1
12	305060	Valve – Ball 2"	1
13	305059	Valve – Ball 1-1/4"	AR
14	6028	Nipple - 1-1/4 NPT	AR
15	16582	Fitting – Hose Barb	AR
16	22380	Clamp – Hose	4
17	6335	Clamp – Hose	AR
18	22324	Nipple - 2 NPT	1

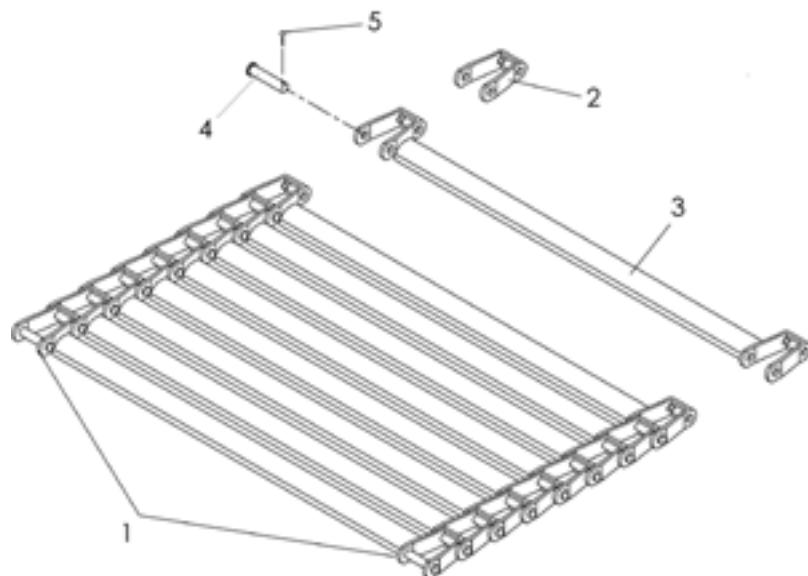
AR - As Required

* - Not Shown – Use when .93 CID pump add-on not installed on 4.46 CID pump

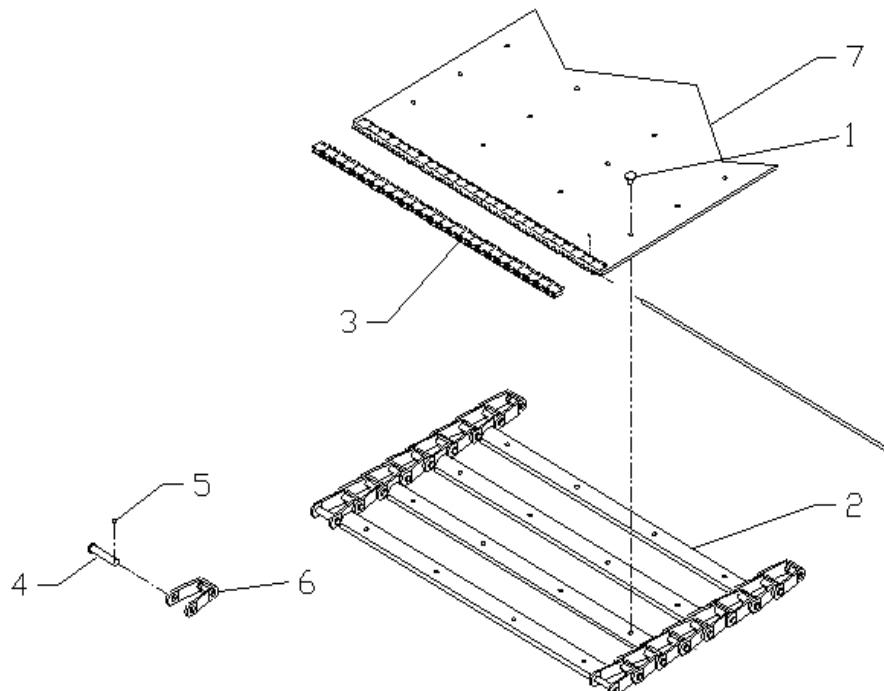


Click or Scan - Relief Valve Setup & Hydraulic Pump Pressure Test Procedure

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	304424	Pump - 4.46 CID Hydraulic Direct Mount	1
2	304426	Add-on Pump - 2.17 CID	1
3	300669	O-Ring - 4" ID	1
4	41015	Kit - Flange Split -32	1
5	34806	Fitting - 32-32 12151-3-E90S-L	1
6	29840	Adapter - Elbow 90°	1
7	312904	Fitting - 24-20 430260	1
8	29789	Adapter	1
9	32401-108	Hose - Suction 2" x 108"	1
10	23184-108	Hose - Suction 1-1/4" x 108"	1
11	29811	Fitting - Hose End	2
12	305060	Valve - Ball 2"	1
13	305059	Valve - Ball 1-1/4"	1
14	6028	Nipple - 1-1/4 NPT	1
15	16582	End - Hose 1-1/4 NPT x 1-1/4" Hose	1
16	22380	Clamp - Hose	4
17	6288	Clamp - Hose	4
18	22324	Nipple - 2 NPT	1

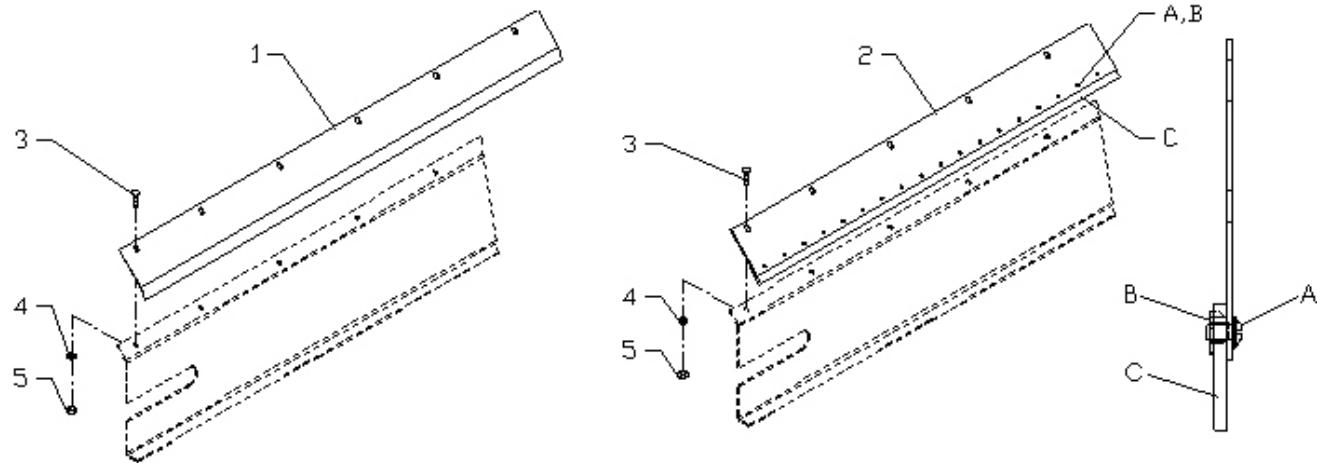


<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	97091	#3 Pintle Chain – 13' Unit Assy	1
	97092	#3 Pintle Chain – 14' Unit Assy	1
2	36699	Link - Pintle Chain	AR
3	88857	Bar - Cross Wldmt	AR
4	36697	Pin - Pintle Chain	AR
5	20817	Pin - Cotter	AR



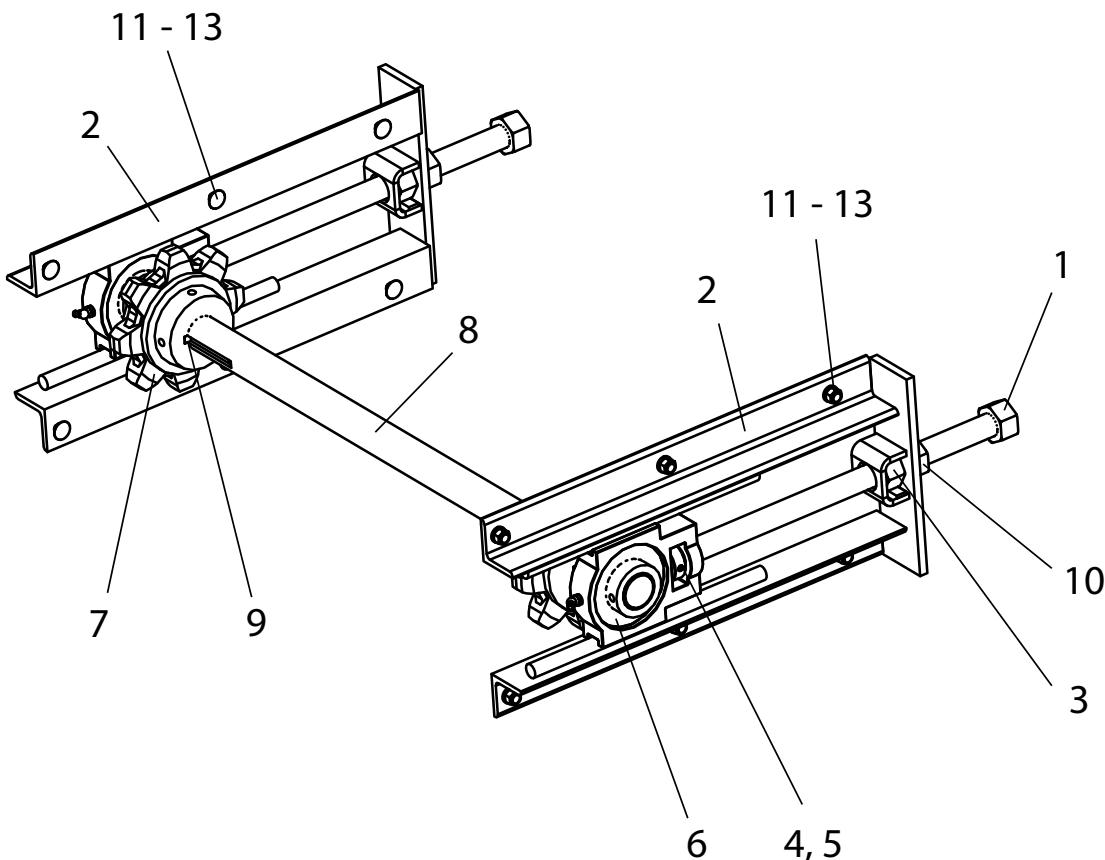
[Click or Scan - #4 Belt-Over-Chain Conveyor Replacement Procedure](#)

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	305614-AG	Belt-Over-Chain - #4 13' MOR	1
	305614-AH	Belt-Over-Chain - #4 14' MOR	1
1	305646	Screw - #4BOC 1/4 x 9/16 torx Flat Head	AR
2	305643	Crossbar	AR
3	73317	Kit – Splicer	1
		Lacing Strips 23"	2
	56405	Pin - Connecting	1
		Staples	AR
4	36697	Pin – Pintle Chain	AR
5	20817	Pin – Cotter	AR
6	36699	Link – Pintle Chain	AR
7	56377-AB	Belt – Conveyor	AR

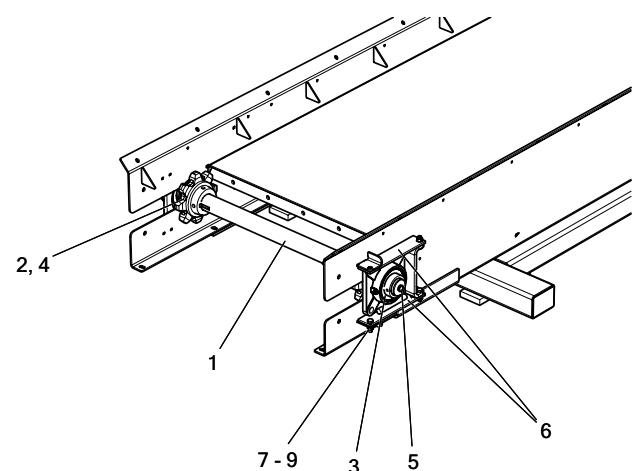
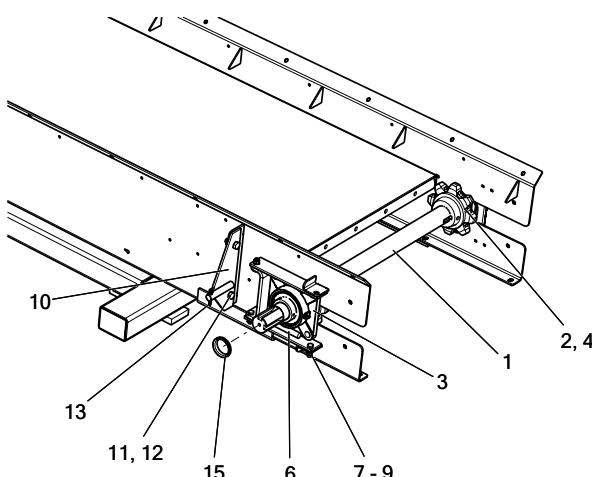


<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	409 SS 304 SS		
1		Chain Shield – #3 Chain	
	97732-AB	97749-AB 13' Unit	2
	97732-AC	97749-AC 14' Unit	2
2		Chain Shield – #4 Belt-Over-Chain	
	97836	97854 13' Unit	2
	97837	97855 14' Unit	2
A	56258	56258 Screw – Truss Head 1/4 x 1/2	AR
B	88931	88931 Nut – Tee 1/4 x 1/4	AR
C	305975	305975 Sealer - Belt, #4 BOC Shield (Specify Unit Length)	AR
3	71829	71829 Bolt – Carriage 3/8 x 1	AR
4	36420	36420 Washer – Lock 3/8	AR
5	36414	36414 Nut – Hex 3/8	AR

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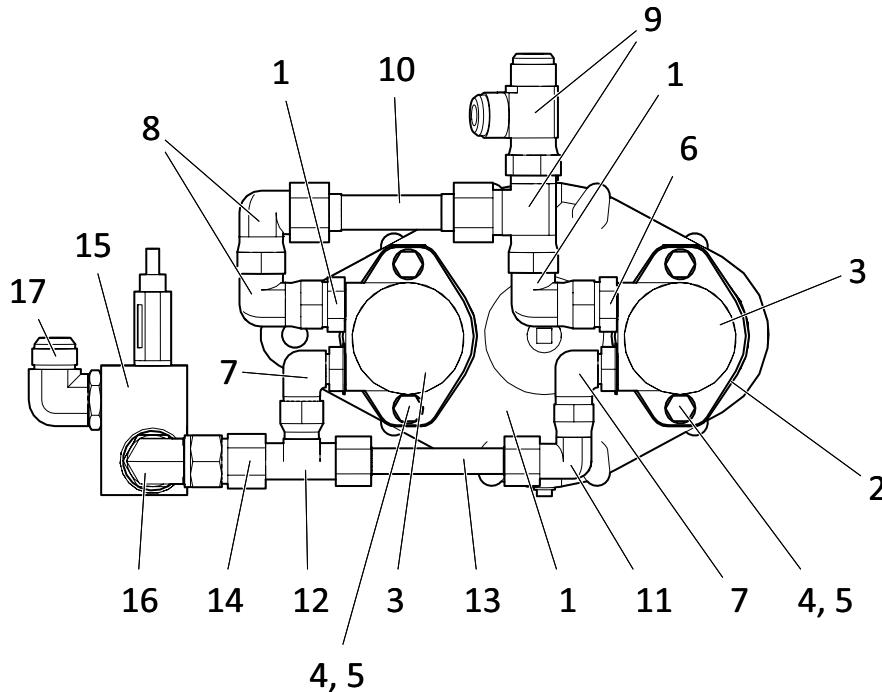
ITEM	PART NO.	DESCRIPTION	QTY
	97053	Shaft - Assy Idler, Includes Items 6 - 9	1
1	36508	Screw – Wldmt Adjust	2
2	79321	Take-up Wldmt SS	2
	7895	Take-up Wldmt	2
3	39110	Nut Wldmt	2
4	20925	Pin – Roll 1/4 x 1 1/2	2
5	30725	Collar – Set 1"	2
6	22511	Bearing – Take-up	2
7	97051	Sprocket – Idler	2
8	82799	Shaft – Idler	1
9	2135	Key – Square 5/16 x 2 1/2	2
10	36509	Nut – Hex 1-8NC SS	2
11	36414	Nut – Hex 3/8 SS	12
12	36409	Bolt – Carriage 3/8 x 1-1/4 SS	12
13	36420	Washer – Lock 3/8 SS	12



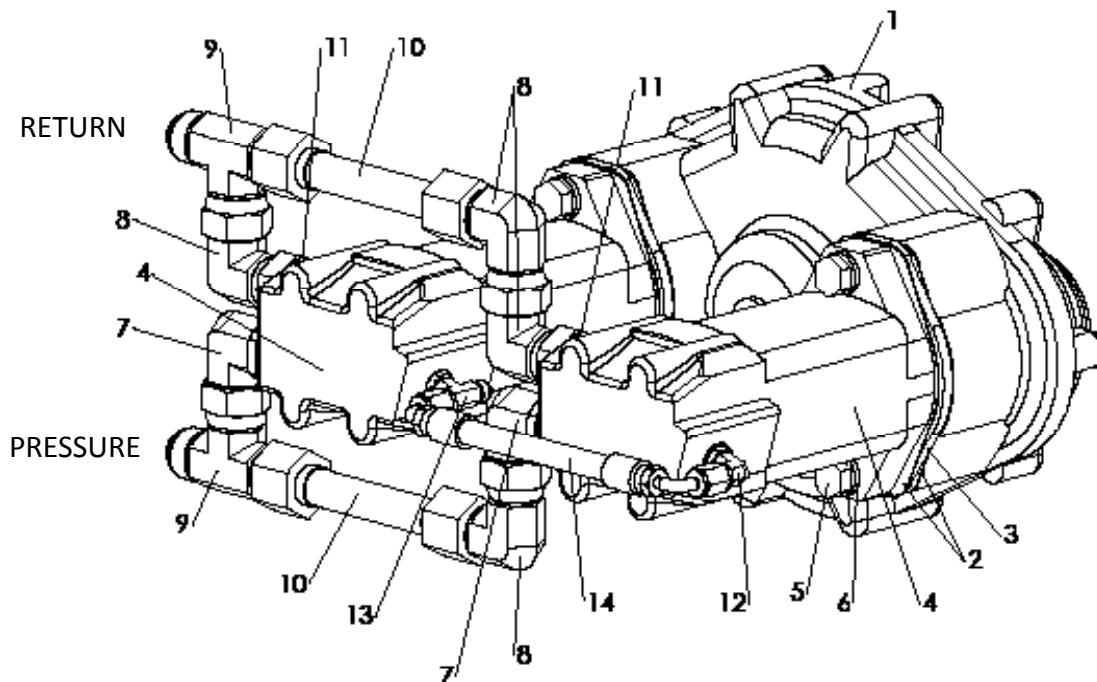
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	97052	Shaft - Drive Assy, Includes Items 1 - 5	
1	310606	Shaft – Drive	1
2	88276	Sprocket	2
	20743	Screw – Set 5/16 x 3/8	1
3	6465	Bearing	2
4	6131	Key – Square 3/8 x 1 1/2	2
5	56264	Cap/Plug - Plastic	1
6	82885	Guide – Bearing	4
7	36399	Cap Screw - 3/8 x 1 1/4	8
8	36420	Washer – Lock 3/8	8
9	36414	Nut – Hex 3/8	8
10	82552	Bracket – Torque Arm LH	1
11	20128	Cap Screw - 1/2 x 1 1/4	2
12	20680	Nut – Lock 1/2	2
13	20833	Pin – Cotter 1/4 x 1 1/2	1
14	*37010	Key – Square 1/2 x 1 1/2	2
15	311172	V-Ring Seal	1

Gearcase Assy – See “Gearcase” parts list

* Not Shown

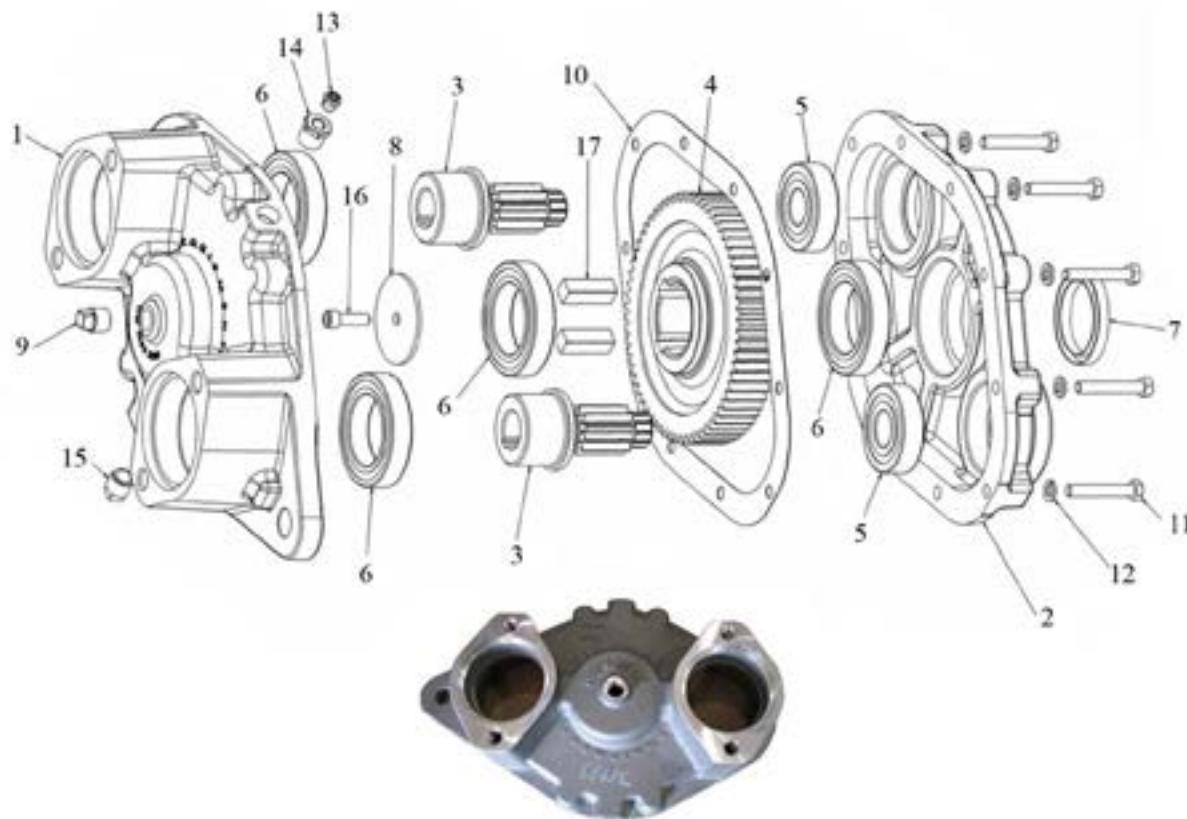


<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	302448	Gearcase - Assy (Includes Items 1 - 17)	
1	37985	Gearcase - 6:1	1
2	74524	Gasket - SAE 101-2	2
3	82459	Motor - Hydraulic 14.1 CID	2
	39137	Seal Kit - Motor	2
4	20129	Cap Screw - 1/2-13 NC x 1-1/4	4
5	20714	Washer - Lock 1/2	4
6	29778	Adapter - Reducing	2
7	29773	Adapter - Elbow	2
8	29807	Adapter - Elbow	3
9	29850	Tee - Swivel Nut	2
10	80888	Tube Assy - 1" OD x 2-15/16"	1
11	34709	Adapter - Elbow	1
12	29809	Adapter - Tee Branch	1
13	80886	Tube - 3/4" x 4-7/8"	1
14	34712	Adapter - Bushing	1
15	304818	Valve - Dump relief 2050 PSI	1
16	304819	Fitting - 16-16 Non Standard 90	1
17	29840	Fitting - 16-16 070220	2

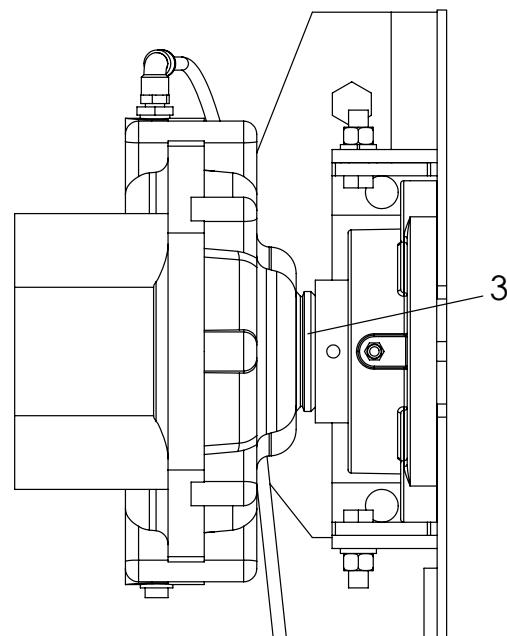
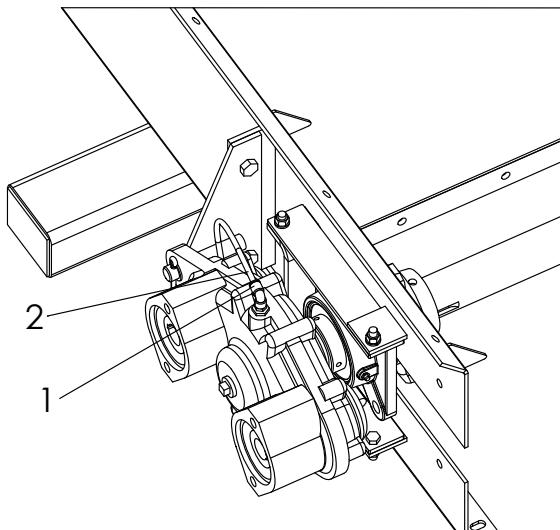


<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	37985	Gearcase - 6:1	1
2	74524	Gasket	4
3	34650	Spacer	2
4	56261	Motor- Hydraulic 2000 Series 6.2 CID	2
5	305098	Cap Screw - Sockethead - 1/2-13 NC x 1-3/4	4
6	30227	Washer - Lock 1/2	4
7	29773	Fitting - 12-12 070220	2
8	34709	Fitting - 12-12 070221	4
9	29809	Fitting - 12-12-12 070433	2
10	98707	Tube - 3/4" OD x 4-7/8"	2
11	29753	Fitting - 12-12 070120	2
12	29795	Fitting - 4-4 070220	1
13	34700	Fitting - 4-4-4 070429	1
14	98760	Hose - 1/4" x 7-13/16" Drain	1

GEARCASE SERVICE PARTS

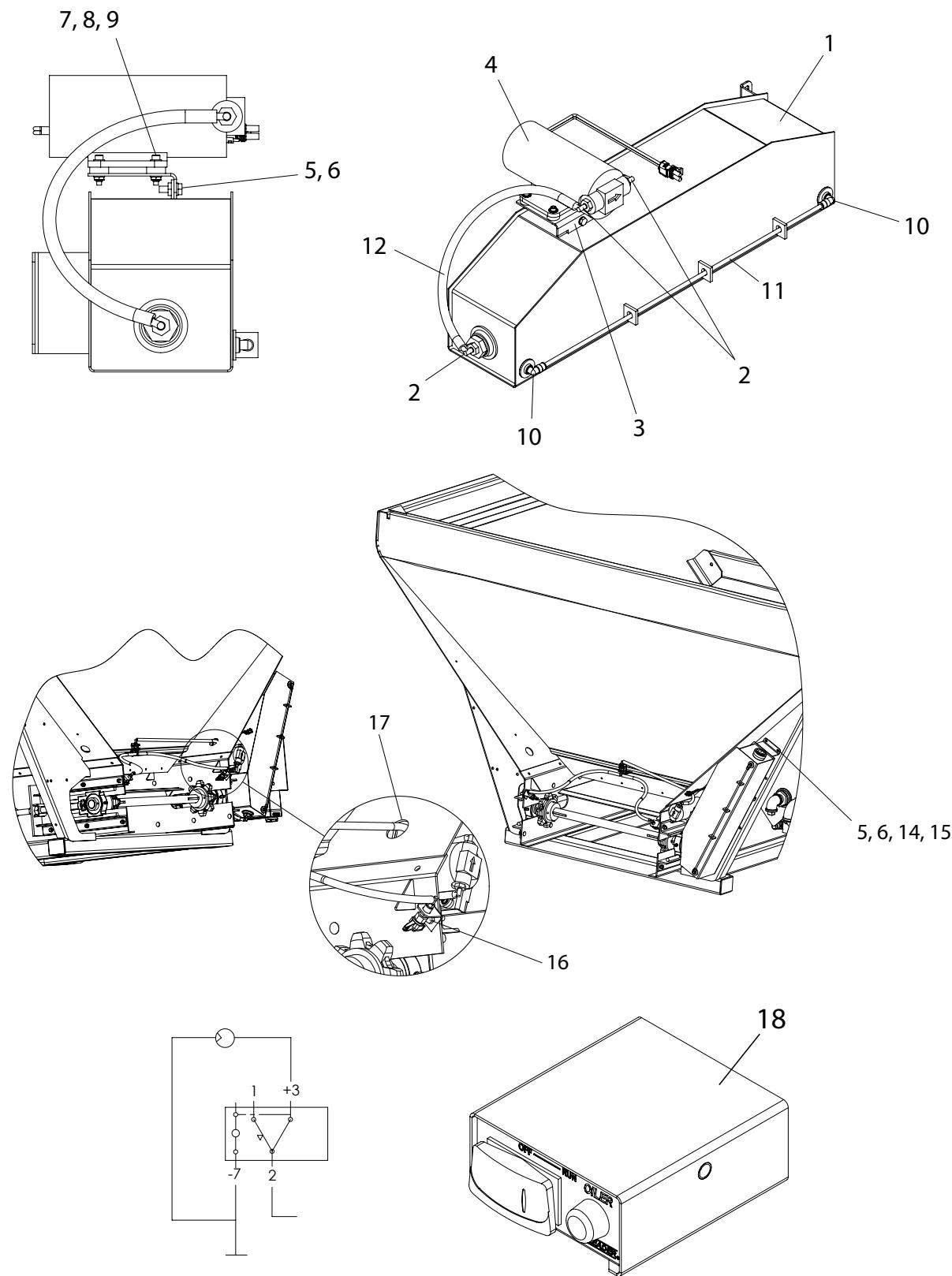


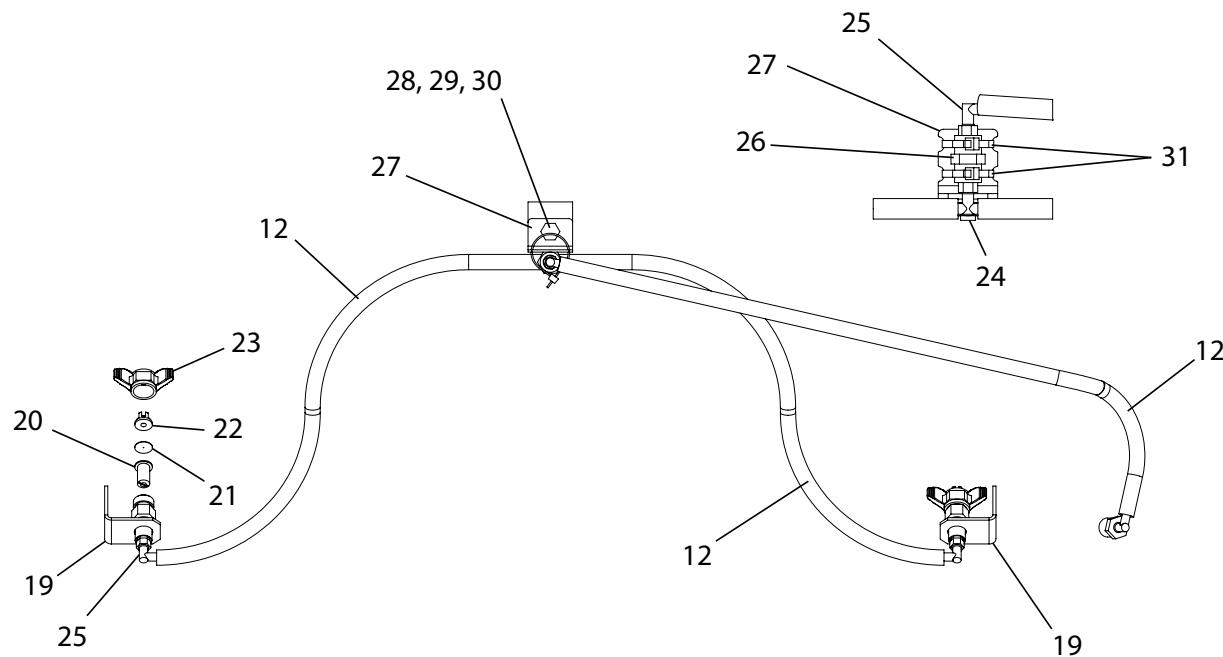
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
304268-AB			Parts – Service, Includes 1–17
1	304557	Housing – Outboard	1
2	304558	Housing – Inboard	1
3	304561	Gear – Pinion 11 Tooth	2
4	304562	Gear – Driven 67 Tooth	1
5	37007	Bearing	2
6	37008	Bearing	4
7	37006	Seal – Oil	1
8	38979	Washer – Flat 2-1/2 x 11/32	2
9	6031	Plug – Pipe	1
10	304564	Gasket – Housing	1
11	20040	Cap Screw – 5/16NC x 2	10
12	20711	Washer – Lock 5/16	10
13	2564	Cap – Breather	1
14	27465	Bushing – Pipe 1/8 x 3/8	1
15	21490	Plug – Pipe Magnetic	1
16	38980	Screw – Allen Head 5/16-18 x 1	1
17	37010	Key - 1/2 x 1/2 x 1-1/2	2



Click or Scan - Gearcase Seal Replacement Procedure

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	306891	Fitting - 4-2 630202K	1
2	9005-0-7761	Tubing - 1/4" OD Air Brake Black	1.5 ft
3	311172	V-Ring Seal	1

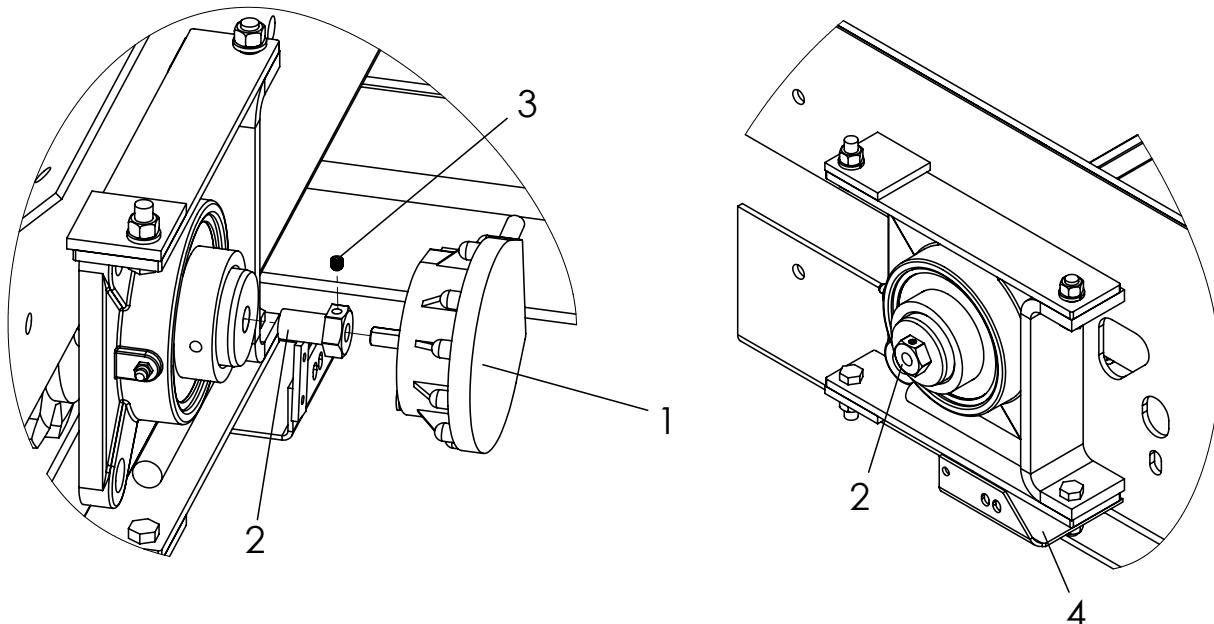




<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	306063	Tank – Assy, Includes 1-13	
	306658	Nozzle & Hose - Assy, Includes 12,13,19-29	
1	304398	Tank – Wldmt	1
2	306657	Elbow	3
3	304409	Mount – Pump	1
4	304390	Pump – Assy with Connector	1
	304834	Pump – Diaphragm 1.1 GPM 30 PSI	1
	303730-AB	Connector – FEM Socket Sealed	1
	303730-CC	Terminal – FEM Sealed (Sleeve)	2
	303730-EB	Seal – Cable Lt Gray	2
5	36393	Cap Screw - 1/4-20 NC x 3/4 SS	5
6	36418	Washer – Lock 1/4 SS	5
7	44454	Screw - Socket Head #10-24 NC x 1 SS	4
8	171052	Washer – Flat #10 SS	8
9	56355	Nut - Hex Lock #10-24 NC SS	4
10	301337	Fitting – 90 Male 1/8 NPT	2
11	306437	Tubing – Clear	Feet 1.167
12	26544	Hose – Low Pressure 1/4" ID	Feet 5.5
13	*306670	Tape – Thread Seal w/PTFE Yellow Gas Line	AR
14	36423	Washer - Flat 1/4 SS	8
15	36412	Nut - Hex 1/4-20 NC SS	4

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
16	36399	Cap Screw – 3/8-16 NC x 1-1/4 SS	2
17	34129	Grommet – Rubber	1
18	304391	Panel – Assy Oiler Control	1
	99676	Fuse – 10AMP Fast Acting	1
19	306649	Nozzle – Mount Assy	2
	304839	Angle – Wldmt Nozzle Mount	1
	306650	Body – Male Nozzle Brass	1
20	306651	Strainer – Check Valve	2
21	306652	Plate – Orifice SS	2
22	306654	Nozzle – Even Flat Spray SS	2
23	306653	Cap – Nozzle	2
24	306655	Tee – Black	1
25	306656	Elbow – Black	3
26	306678	Coupling – Polypropylene	1
27	306804	Bracket – Coupling	1
28	36293	Cap Screw – 3/8-16 NC x 3/4 SS	1
29	36420	Washer – Lock 3/8 SS	1
30	36414	Nut - Hex 3/8-16 NC SS	1
31	99674	Tie - Wire	2

* - Not Shown AR – As Required



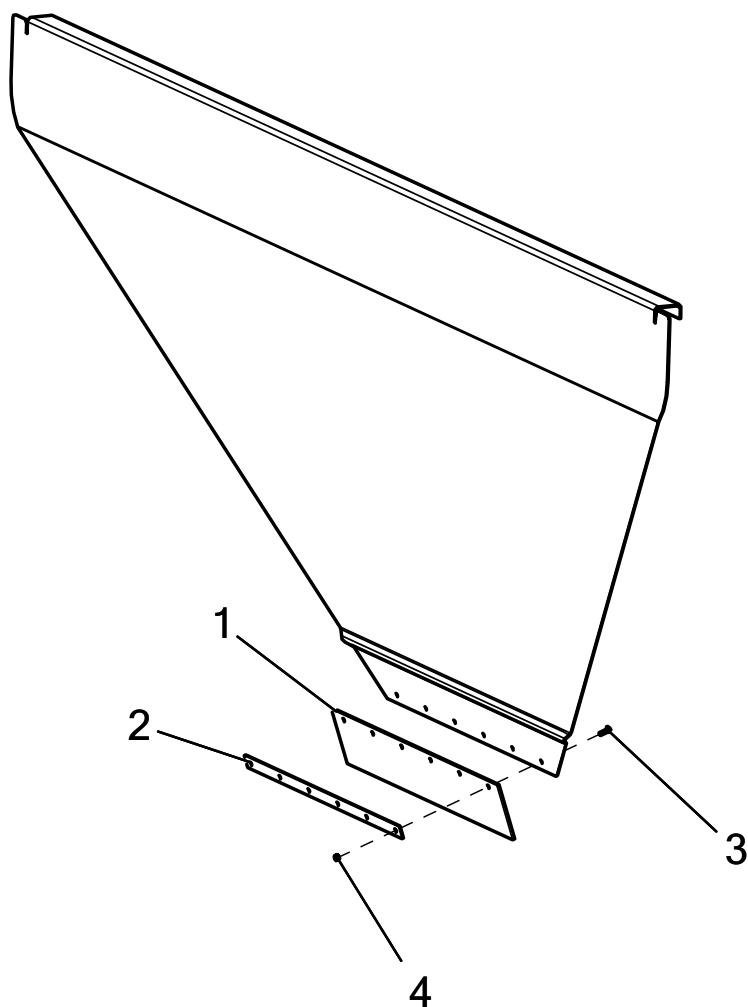
Click or Scan - Encoder Test Procedure



Click or Scan - Encoder Installation Procedure

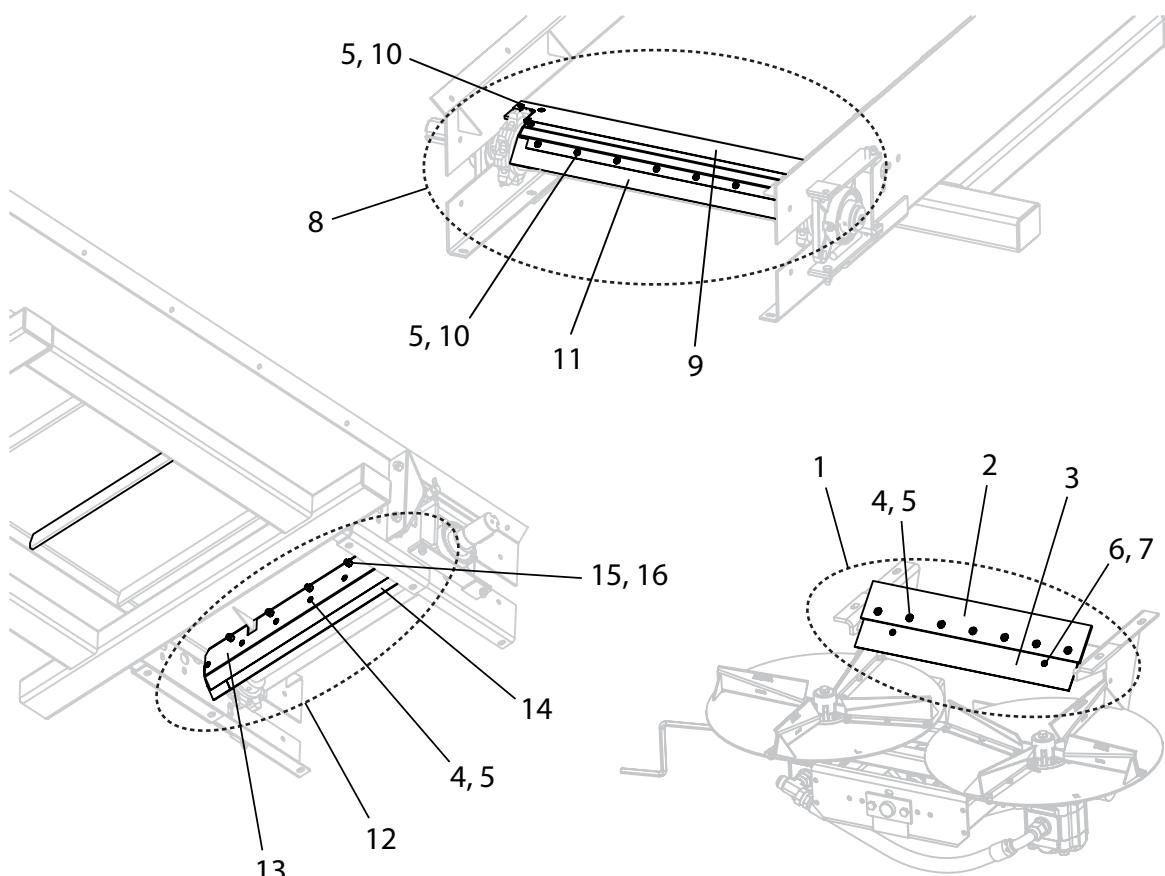
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	303994	Encoder – 180 with Hardware	1
2	310601	Coupler - Rate Sensor SS	1
3	310603	Screw - Set 1/4-20NC x 5/16 SS	1
4	304946	Bracket - Sensor, Drive Mount	1

FRONT WIPER



<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	90826	Belt - Front Wiper Assy, Includes Items 1 - 4	1
1	14743	Wiper – Belt	1
2	71656	Retainer – Belt 304	1
3	32446	Screw – TR HD 1/4 x 3/4	6
4	36412	Nut – Hex 1/4	6

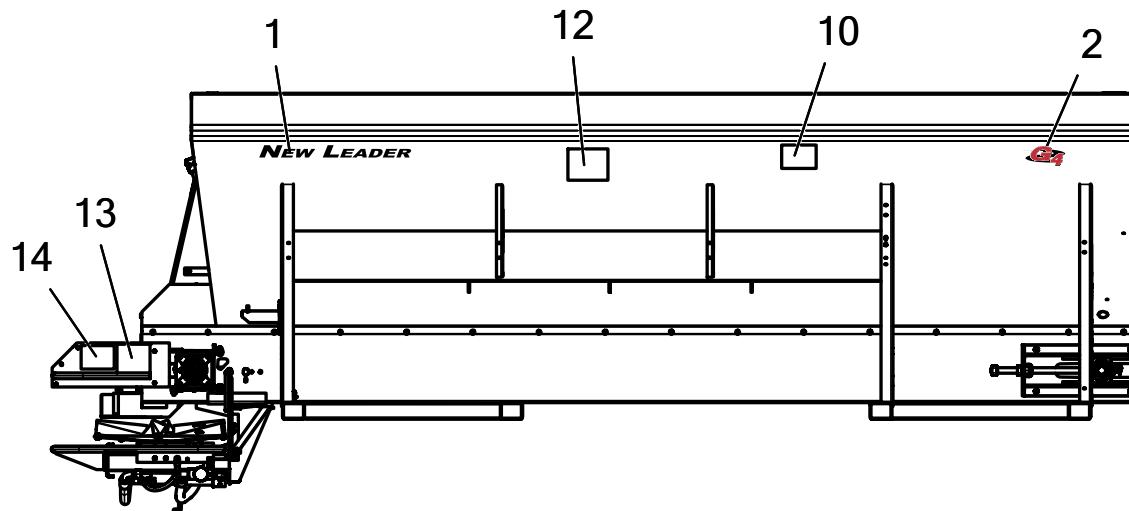
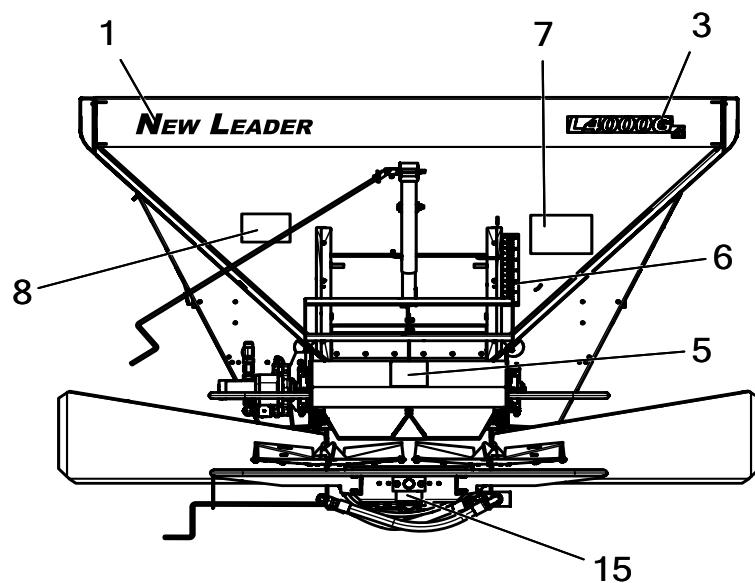
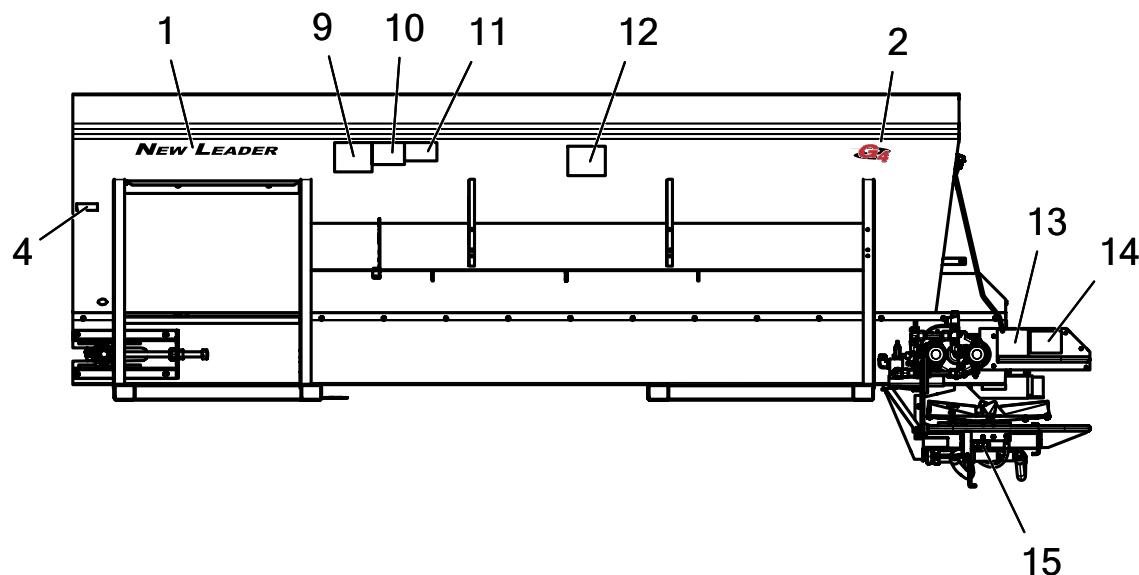
REAR WIPER - #3 CHAIN CONVEYOR



<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	98086	Lip - Rear 30" Group 304, Includes Items 8 - 16	1
1	96744	Kit - Wiper Belt, Includes Items 2 - 7	1
2	304418	Belt - Rear Wiper 30"	1
3	96746	Plate - Wiper Belt Spinner/Conveyor	1
4	56258	Screw - Truss Head 1/4-20NC x 1/2 SS	7
5	88931	Nut - Tee 1/4	AR
6	32446	Screw - Truss Head 1/4-20NC x 3/4 SS	2
7	42034	Nut - Lock 1/4-20NC SS	2
8	98068	Lip - Rear 30" 304 Assy, Includes Items 9 -11, 5	1
9	98030	Lip - Wldmt Rear 30" 304	1
10	56400	Screw - Flat Head 1/4-20NC x 1/2 SS	13
11	305331	Wiper - 30" Rear Lip	1
12	304416	Wiper - 30" Internal Assy, Includes Items 13, 14, 4, 5	1
13	304422	Mount - 30" Internal Wiper 304	1
14	304423	Rubber - Internal Wiper	1
15	36399	Cap Screw - 3/8-16NC x 1-1/4 SS	5
16	72054	Nut - Lock 3/8-16NC SS	5

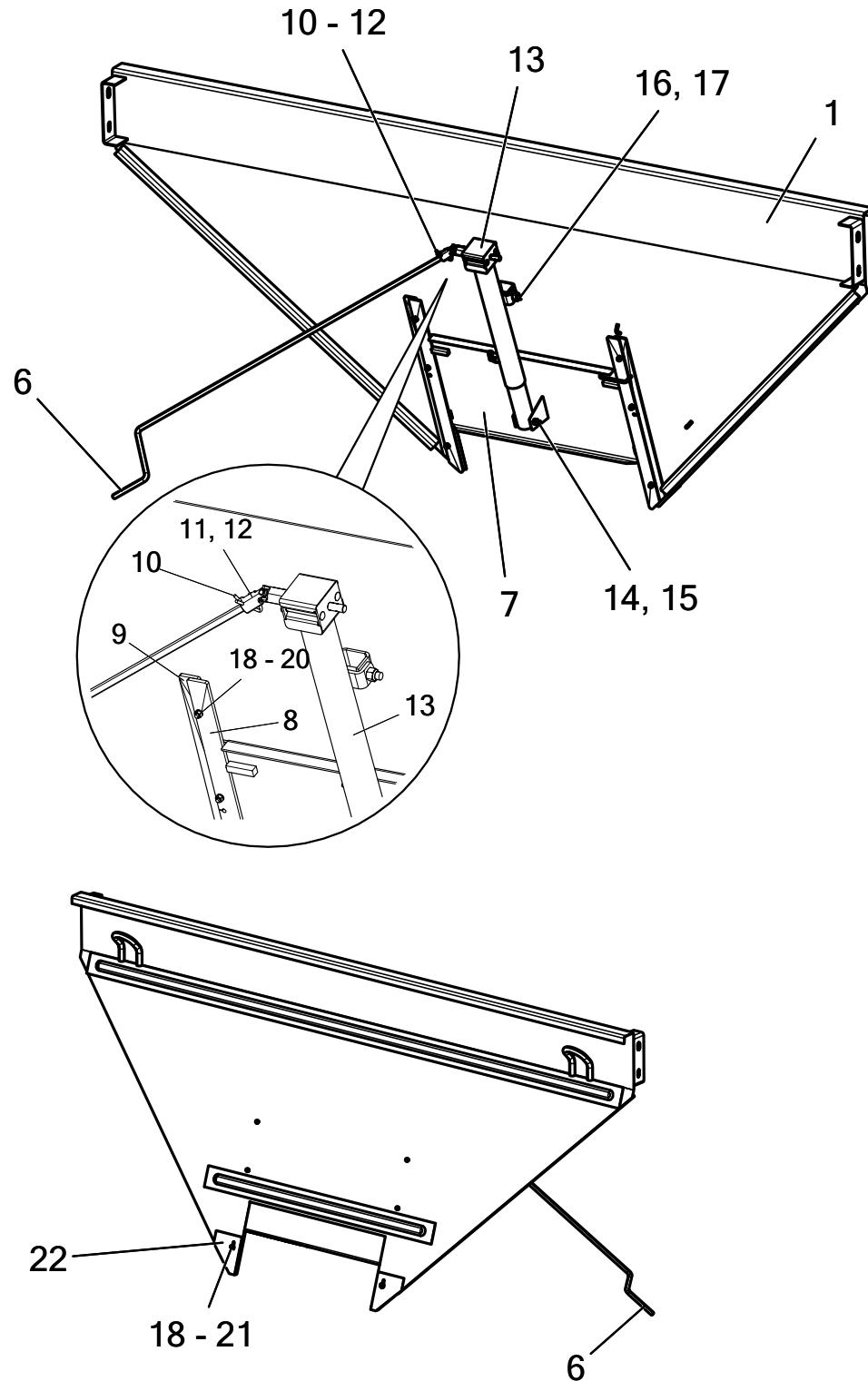
Please Give Part No., Description
& Unit Serial No.

NEW LEADER



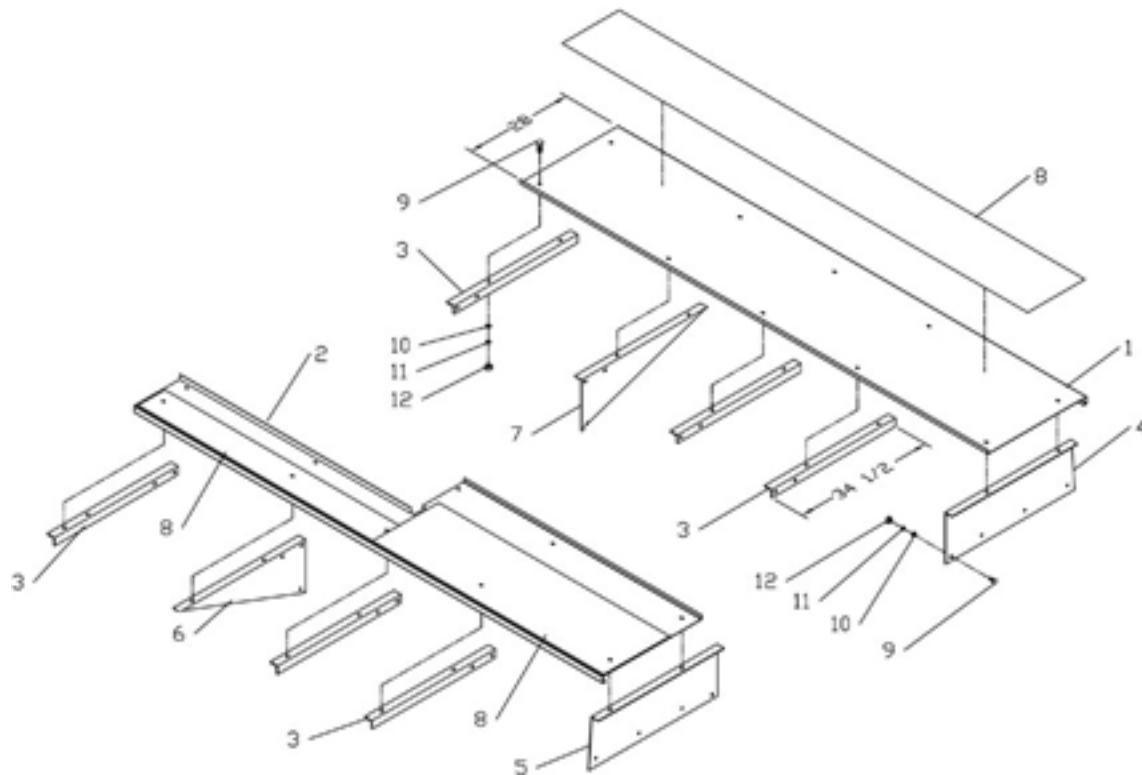
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	312561	Decal - New Leader Black Decal - New Leader White	3 3
2	87122 87129	Decal - G4 Red/Black Decal - G4 Black/White	2 2
3	306151	Decal - L4000G4 Black	1
4	302601	Decal - Patent 6,817,551	1
5	87109	Decal - New Leader G4	1
6	23769	Decal - Feedgate Slide Scale	1
7	368	Decal - Danger, Flying Material	1
8	71526	Decal - Notice, Spread Pattern	1
9	150034	Decal - Caution, Improper Operation	1
10	364	Decal - Danger, Moving Part	2
11	321	Decal - Caution, Hazardous Material	1
12	39138	Decal - Warning, High Pressure Fluid	2
13	55630	Decal - Warning, Falling Hazard	2
14	55631	Decal - Warning, Moving Part Hazard	2
15	98319	Decal - Patent 6,517,281	1
16	*39200	Decal - Warning, Fenders	2

* - Not Shown



<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>	
	<u>409 SS</u>	<u>304 SS</u>		
1	86773	86952	Endgate – Removable Wldmt	1
2	*20128-X1	20128-X1	Cap Screw – 1/2 x 1 1/4 Gr8	4
3	*20695	20695	Washer – Flat 1/2	8
4	*20714	20714	Washer – Lock 1/2	4
5	*20646	20646	Nut – Hex 1/2	4
6	72641	72641	Handle	1
7	98512	303937-AA	Feedgate – Wldmt	1
8	36384	36384	Slide – Feedgate	2
9	36385	36385	Guide – Feedgate	2
10	85002	85002	U-Joint	1
11	20918	20918	Pin – Roll	2
12	40704	40704	Jack	1
13	86878	86878	Pin – Hair	1
14	71827	71827	Cap Screw - 3/8 x 3 SS	1
15	72054	72054	Nut – Lock 3/8	1
16	80798	80798	Cap Screw - 1/2 x 3 3/4	1
17	39016	39016	Nut – Hex 1/2	1
18	40750	40750	Cap Screw – 1/4 x 1-1/4	6
19	36418	36418	Washer – Lock 1/4	6
20	36412	36412	Nut – Hex 1/4	6
21	305078	305078	Sealer – Endgate Bolt-in (inside)	2
22	36423	36423	Washer – Flat 1/4	2

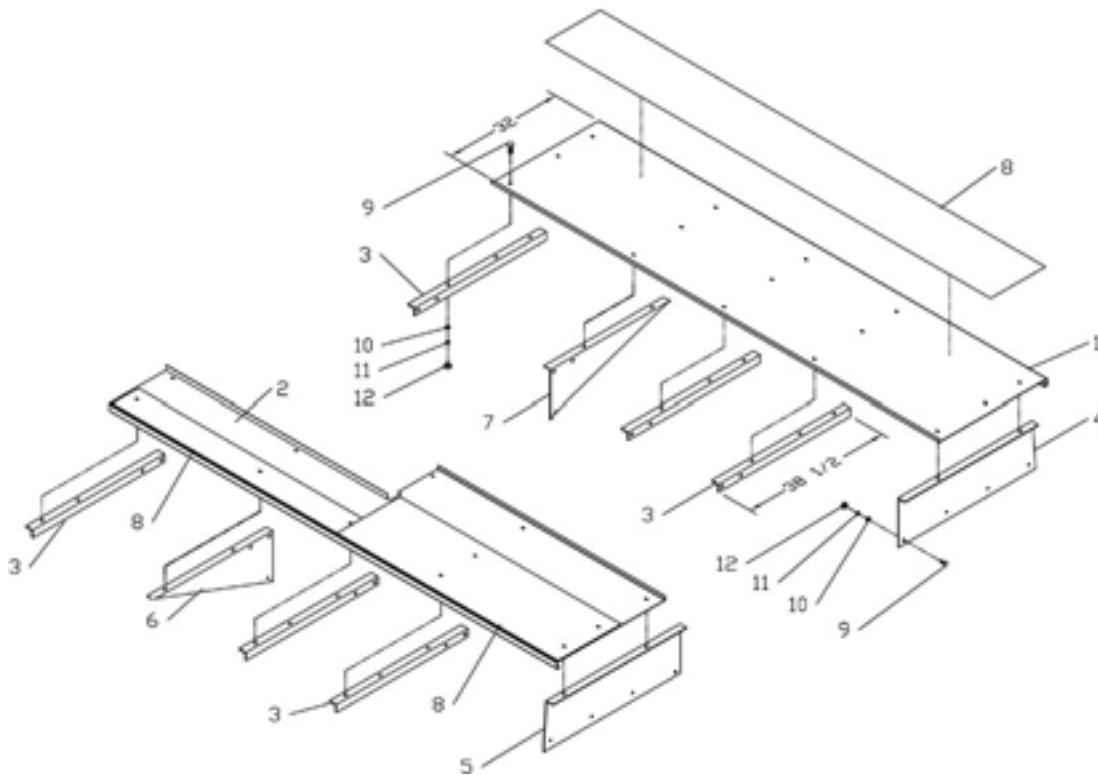
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<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	409 SS	304 SS	
1	86614-X1 305090	Fender - RH, 13' Unit Fender - RH, 14' Unit	1 1
2	83051-X2 305091	Fender - LH, 13' Unit (with Cutout & Light Mtg Holes) Fender - LH, 14' Unit (with Cutout & Light Mtg Holes)	1 1
3	83021	Angle - Fender	AR
4	83019	Support - RH Rear	AR
5	83020	Support - LH Rear	AR
6	83018	Support - RH Front (without mudflaps)	1
7	83017	Support - LH Front (without mudflaps)	1
8	83124 21699	Material - Non-Skid, 16" Wide Material - Non-Skid, 8" Wide	Inches Inches
9	20318	Bolt – Carriage 3/8 x 1	AR
10	20693	Washer – Flat 3/8	AR
11	20712	Washer – Lock 3/8	AR
12	20644	Nut – Hex 3/8	AR
13	*304245	Mudflap - Midguard 1/2 x 44 x 36	2

AR – As Required

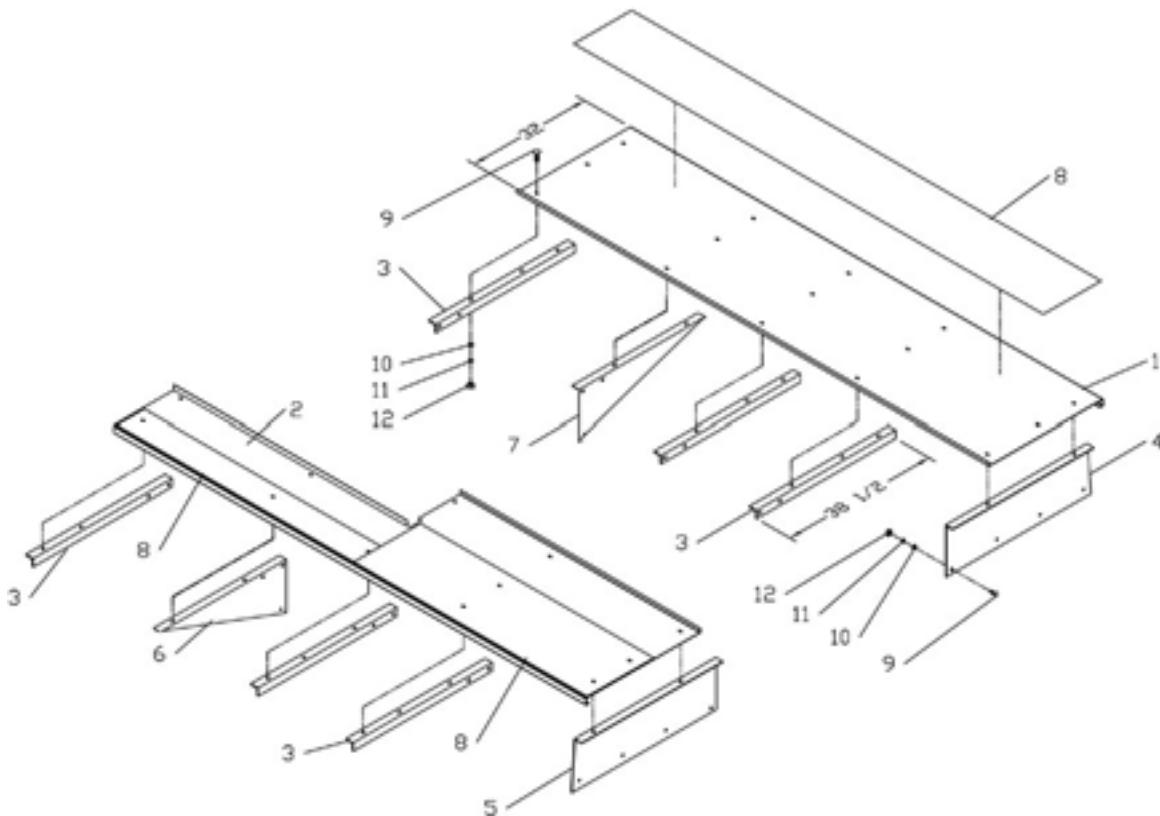
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<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>	
	<u>409 SS</u>	<u>304 SS</u>		
1	86614	86544	Fender - RH, 13' Unit	1
	86604	86620	Fender - RH, 14' Unit	1
2	83286-X1	83302-X1	Fender - LH, 13' Unit (with Cutout & Light Mtg Holes)	1
	83316-X1	83322-X2	Fender - LH, 14' Unit (with Cutout & Light Mtg Holes)	1
3	83256	96972	Angle - Fender	AR
4	83254	83254-X10	Support - RH Rear	AR
5	83255	83255-X10	Support - LH Rear	AR
6	83253	96971	Support - LH Front (without mudflaps)	1
7	83252	96970	Support - RH Front (without mudflaps)	1
8	83124	83124	Material - Non-Skid, 16" Wide	AR
	21699	21699	Material - Non-Skid, 8" Wide	AR
9	20318	36408	Bolt – Carriage 3/8 x 1	AR
10	20693	36425	Washer – Flat 3/8	AR
11	20712	36420	Washer – Lock 3/8	AR
12	20644	36414	Nut – Hex 3/8	AR
13	*304245	*304245	Mudflap - Midguard 1/2 x 44 x 36	2

AR – As Required

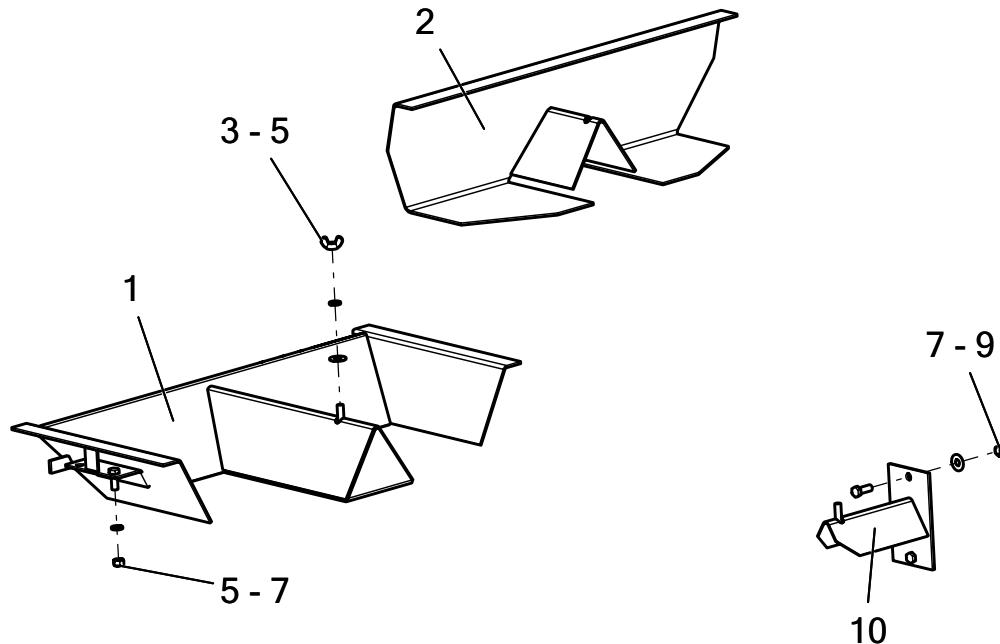
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<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	<u>409 SS 304 SS</u>		
1	86614-X2	Fender - RH, 13' Unit	1
	86604-X1	Fender - RH, 14' Unit	1
2	83286-X2	Fender - LH, 13' Unit (with Tank Cutout)	1
	86605-X1	Fender - LH, 14' Unit (with Tank Cutout)	1
3	83256-X3	Angle - Fender	AR
4	83254-X13	Support - RH Rear	AR
5	83255-X13	Support - LH Rear	AR
6	83253-X8	Support - LH Front (without mudflaps)	1
7	83252-X7	Support - RH Front (without mudflaps)	1
8	83124 21699	Material - Non-Skid, 16" Wide Material - Non-Skid, 8" Wide	AR AR
9	20318	Bolt – Carriage 3/8 x 1	AR
10	20693	Washer – Flat 3/8	AR
11	20712	Washer – Lock 3/8	AR
12	20644	Nut – Hex 3/8	AR
13	*304245	Mudflap - Midguard 1/2 x 44 x 36	2

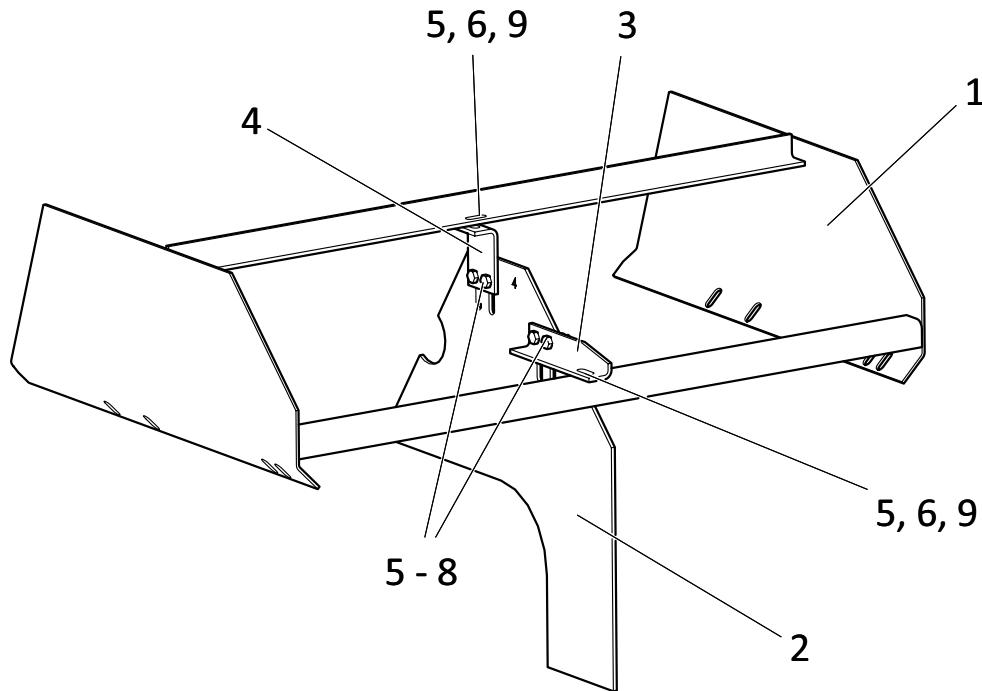
AR – As Required

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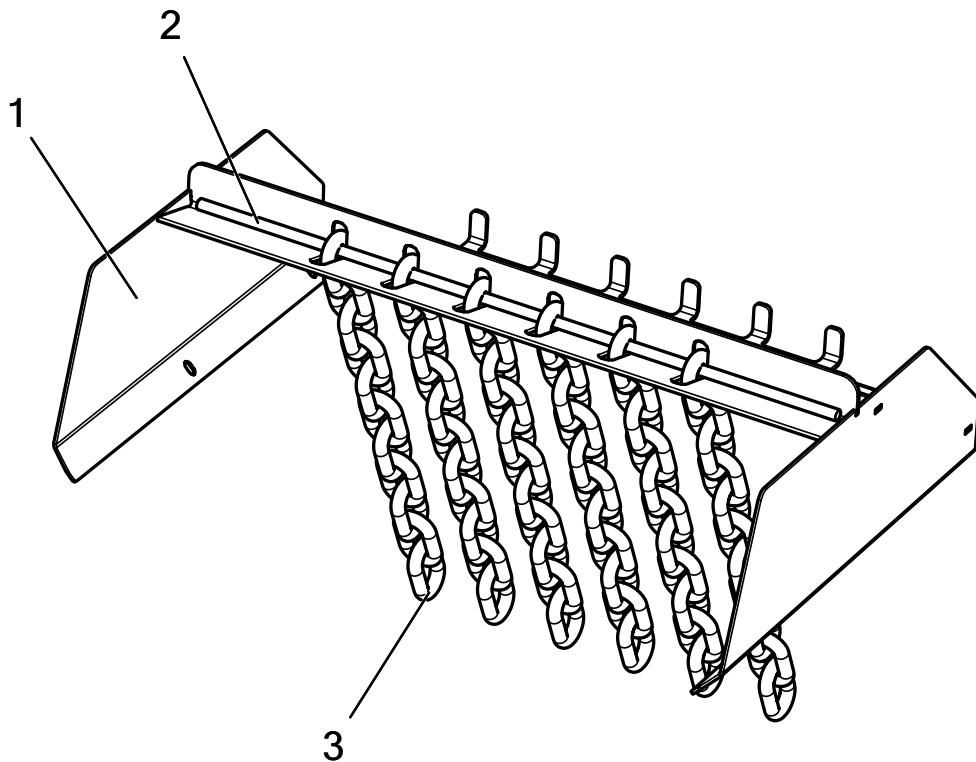
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	87108	Divider – Material Assy, Includes 1-5	
1	87054	Divider – Wldmt	1
2	87064	Deflector – Rear Wldmt	1
3	20673	Nut – Wing 3/8 SS	1
4	36425	Washer – Flat 3/8 SS	1
5	36420	Washer – Lock 3/8 SS	1
6	36293	Cap Screw – 3/8-16NC x 3/4 SS	2
7	36414	Nut – Hex 3/8-16NC SS	AR
8	36398	Cap Screw - 3/8-16NC x 1 SS	2
9	36425	Washer - Flat 3/8 SS	2
10	87381	Mount - Divider Storage Wldmt SS	1

AR - As Required

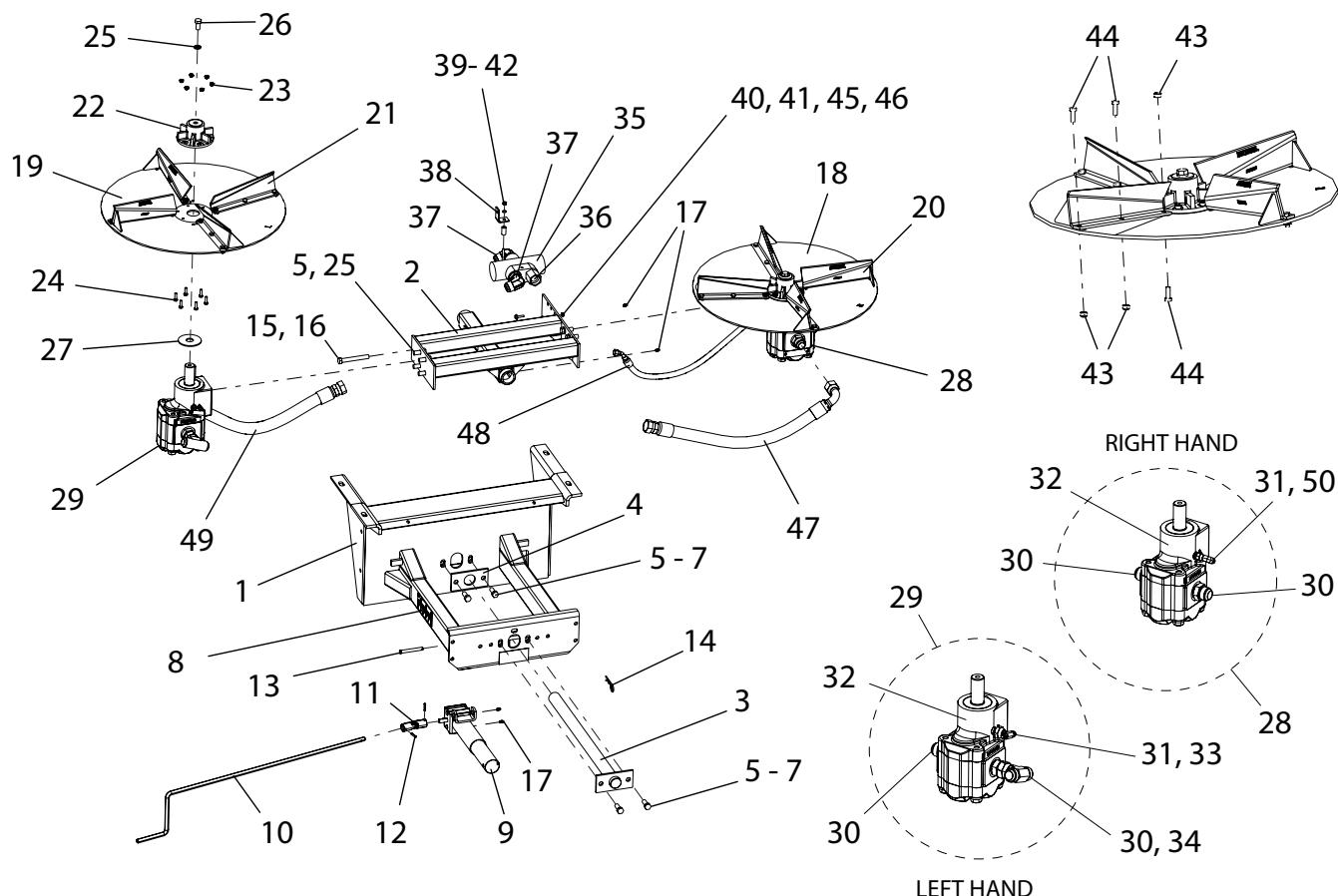


<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	86788	Bracket – Wldmt Support	1
2	82288	Panel – Hillside Divider	1
3	56879	Bracket – Clamp	1
4	56880	Angle – Clamp	1
5	34580	Cap Screw – 5/16 x 1	6
6	36424	Washer – Flat 5/16	8
7	36419	Washer – Lock 5/16	4
8	36413	Nut – Hex 5/16	4
9	42221	Nut – Lock 5/16	2

Note: Use chain shield hardware to attach Item 1 to sills.



<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	312953	Anti-Slab Assy, Includes Items 1 - 3	
1	312954	Support - Wldmt 304	1
2	312959	Round - 1/2 x 31 304	1
3	312960	Chain	6



[Click or Scan - Spinner Motor Replacement Procedure](#)



[Click or Scan - Spinner Disc Replacement Procedure](#)



[Click or Scan - Spinner Assembly Motor Mount Adjustment Procedure](#)



[Click or Scan - New Leader Spinner Disc Identification](#)

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	86503	24" Spinner Assy, Includes Items 1 -	1
	87106	Spinner Disc – LH Assy, Includes Items 19, 21 - 24	1
	87105	Spinner Disc – RH Assy, Includes Items 18, 20, 22 - 24	1
1	87090	Plate – Back Wldmt	1
2	87082	Mount – Motor Wldmt	1
3	87021	Shaft – Support Wldmt	1
4	87023	Plate – Shaft Mount	1
5	36402	Cap Screw – 1/2-13NC x 1-1/4 SS	12
6	39016	Nut – Lock 1/2-13NC SS	5
7	36426	Washer – Flat 1/2 SS	4
8	87110	Scale - Spinner Position	1
9	87170	Jack – Coated Assy	1
10	87024	Handle	1
11	85002	U-Joint	1
12	20918	Pin – Roll	2
13	6547	Pin – Clevis	1
14	36429	Pin – Hair SS	1
15	80798	Cap Screw – 1/2-13NC x 3-3/4 SS	1
16	39016	Nut - Lock 1/2-13NC SS`	1
17	6072	Zerk – Grease	2
18	27056-X4	Disc – Distributor RH	1
19	27056-X5	Disc – Distributor LH	1
20	309091	Fin - RH Wldmt	4
21	309092	Fin – LH Wldmt	4
22	10877	Hub	2
23	20676	Nut – Lock 1/4-20NC	12
24	20004	Cap Screw – 1/4-20NC x 7/8	12
25	36422	Washer – Lock 1/2 SS	10
26	36401	Cap Screw – 1/2-13NC x 1 SS	2
27	305571	Washer – Rubber	2
28	305949	Motor - RH Style II Assy, includes Items 30 - 32, 51	1
29	305948	Motor – LH Style II Assy, includes Items 30 - 34	1
30	34717	Adapter - O-Ring	4
31	34763	Adapter - O-Ring	2
32	313512 305950 72548 305824	Motor - Spinner 5.1 CID (Post-2016 Units) Motor-Spinner Style II (2016 & Previous units) Seal Kit Seal Kit - Retainer	2 2 AR AR
33	29809	Fitting - 12-12-12 070433	1

Please Give Part No., Description
& Unit Serial No.

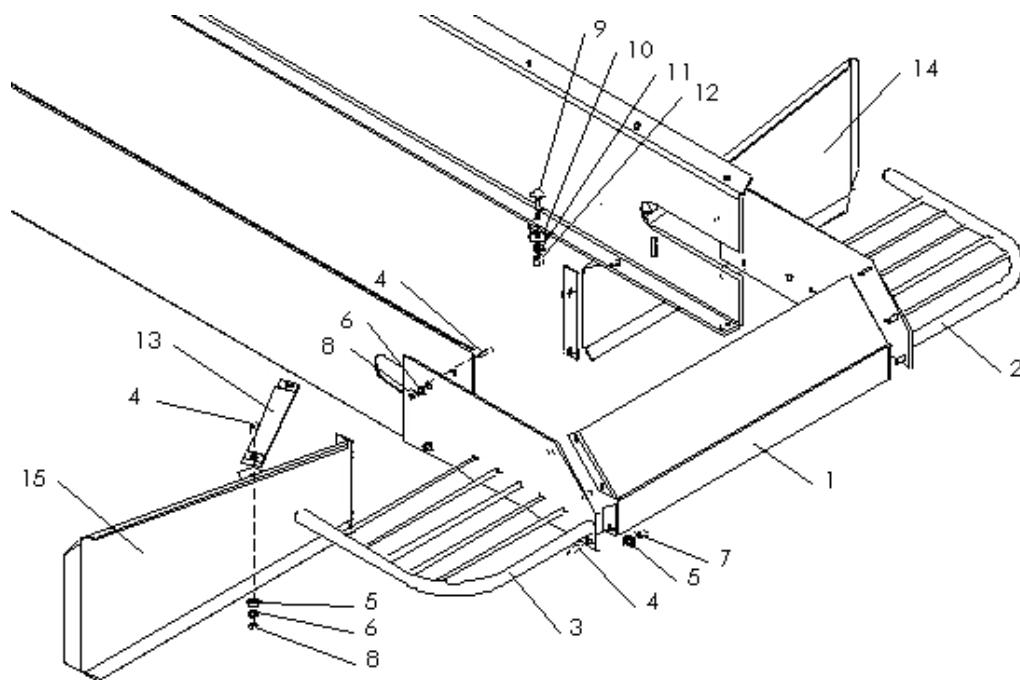


307074-AB-H

SPINNER ASSEMBLY CONTINUED

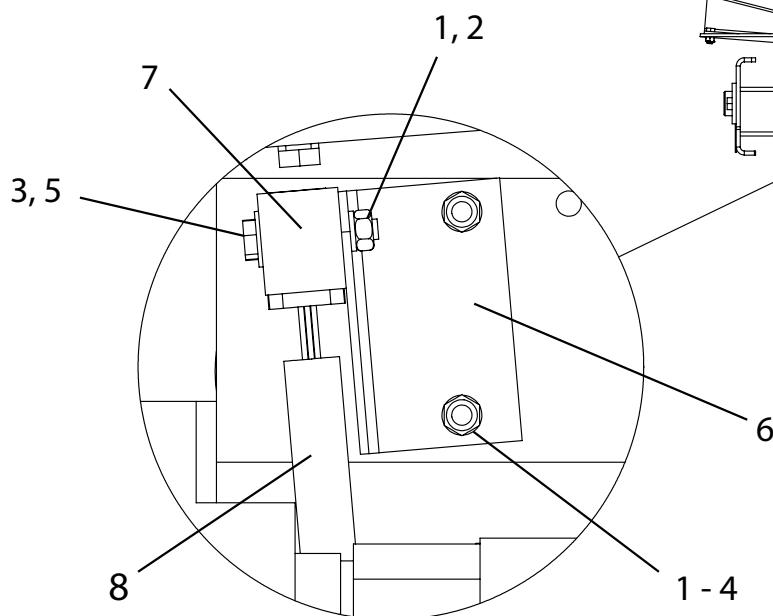
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
34	29825	Fitting - 6-6-6 070433	1
35	71781	Valve – Flow Divider	1
36	34810	Adapter - Straight	1
37	29840	Adapter - Elbow 90°	1
38	87053	Angle – Valve Mount	1
39	36412	Nut – Hex 1/4-20NC SS	2
40	36418	Washer – Lock 1/4 SS	2
41	76825	Spacer	1
42	34865	Cap Screw – 1/4-20NC x 2-1/4 SS	1
43	20677	Nut – Lock 5/16-18NC	24
44	20034	Cap Screw – 5/16-18NC x 3/4	24
45	36423	Washer – Flat 1/4 SS	1
46	36395	Cap Screw – 1/4-20NC x 1 SS	1
47	87111	Hose - Assy SAE 16 x 26-1/2" 100R2	1
48	87112	Hose - Assy SAE 6 x 28" 100R1	1
49	98101	Hose - Assy SAE 16 x 26-1/2" 100R12	1
50	34816	Fitting - Elbow 90°	1
51	* 36940	Bolt – Carriage 1/2 x 2 SS	4
52	* 36426	Washer – Flat 1/2 SS	4
53	* 36422	Washer – Lock 1/2 SS	4
54	* 36416	Nut – Hex 1/2-13NC SS	4

AR - As Required * - Not Shown – Used to attach spinner to sills.

**WARNING**

Guards are intended to reduce hazard of entanglement with machinery and injury.
All guards must be installed per this drawing before spreader is put into operation.

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	87066-X1	Guard – Center Section Wldmt	1
2	87027-X1	Guard – RH Wldmt	1
3	87031-X1	Guard – LH Wldmt	2
4	36398	Cap Screw - 3/8 x 1	18
5	36425	Washer – Flat 3/8	14
6	36420	Washer – Lock 3/8	14
7	72054	Nut – Lock 3/8	6
8	36414	Nut – Hex 3/8	14
9	36940	Bolt – Carriage 1/2 x 2	2
10	36426	Washer – Flat 1/2	2
11	36422	Washer – Lock 1/2	2
12	36416	Nut – Hex 1/2	2
13	87068 305040	Bar – Stiffener Bar – Stiffener Lower 304	2
14	305043 305075	Deflector – RH Wldmt 108" OAW Deflector – RH Wldmt 126" OAW	1
15	305044 305076	Deflector – LH Wldmt 108" OAW Deflector – LH Wldmt 126" OAW	1



GUARD REMOVED
FOR CLARITY

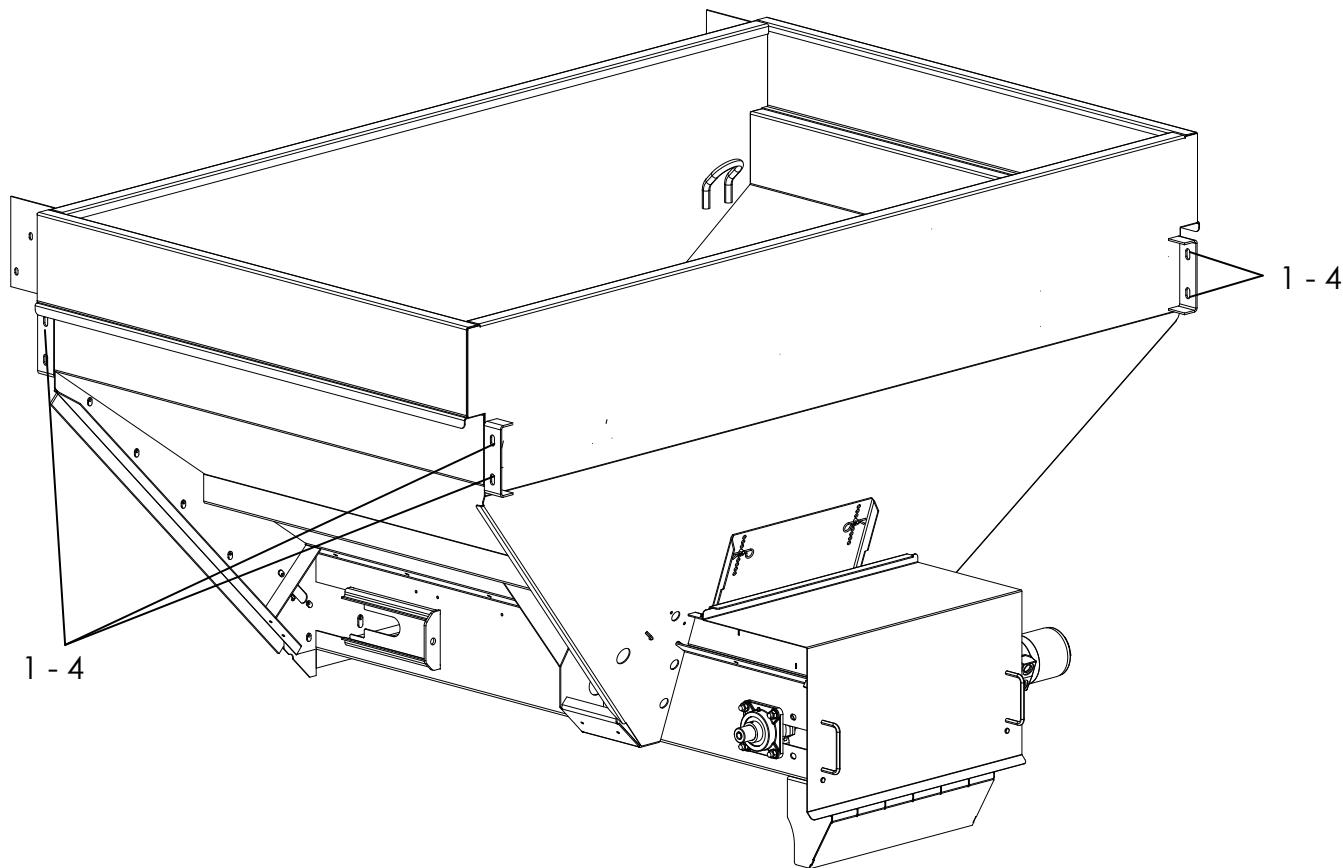


[Click or Scan - Spinner Speed Sensor Test Procedure](#)

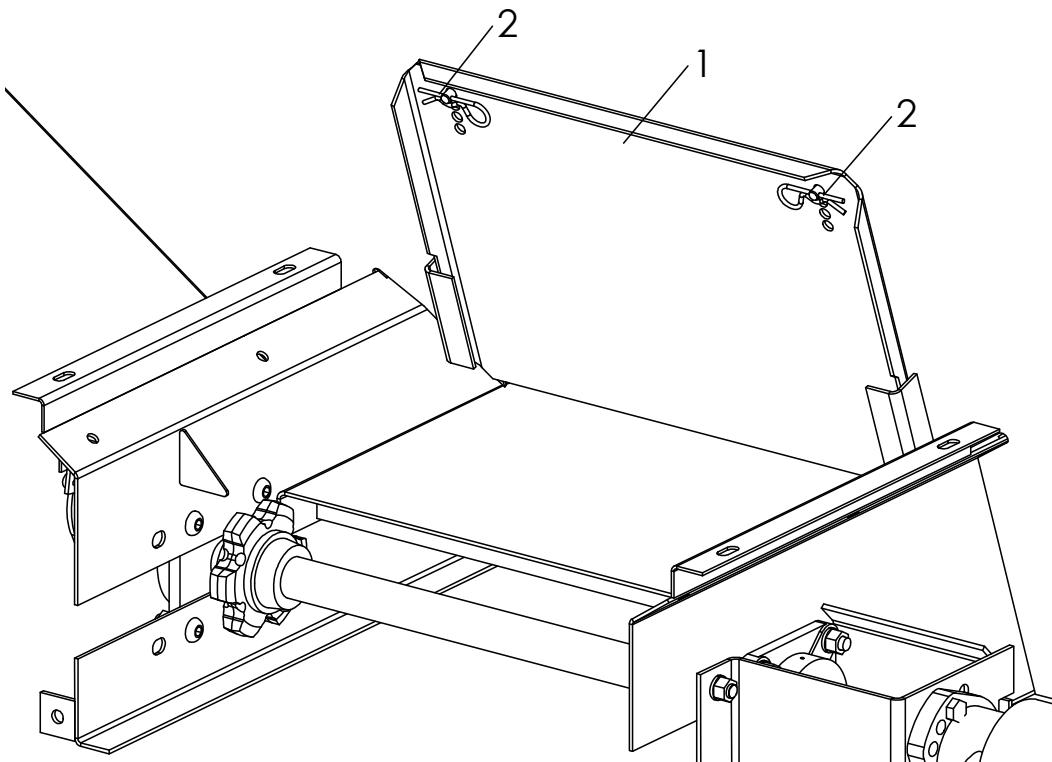


[Click or Scan - Spinner Speed Sensor Installation Procedure](#)

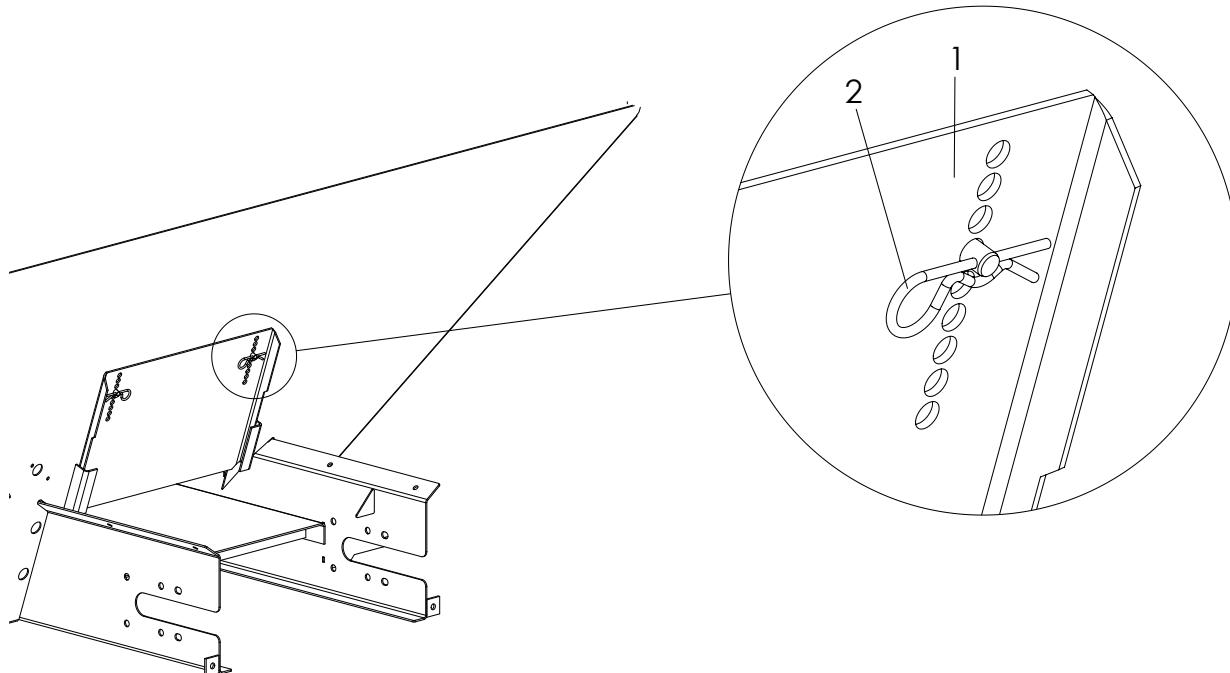
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	97310	Sensor – Kit Spinner (Includes Items 1 - 8)	
1	36412	Nut – Hex 1/4 SS	6
2	36418	Washer – Lock 1/4 SS	6
3	36423	Washer – Flat 1/4 SS	3
4	36393	Cap Screw – 1/4 x 3/4 SS	2
5	42448	Cap Screw – 1/4 x 1-1/2 SS	2
6	86672	Bracket	1
7	89011	Sensor – Assy	1
8	89009	Cable – Sensor Extension	1



ITEM	PART NO.	DESCRIPTION	QTY
	86951	Hardware - Kit Mount, Includes Items 1 - 4	
1	20128-X1	Cap Screw - 1/2 x 1 1/4 Grade 8	8
2	20695	Washer - Flat 1/2	16
3	20714	Washer - Lock 1/2	8
4	20646	Nut - Hex 1/2	8

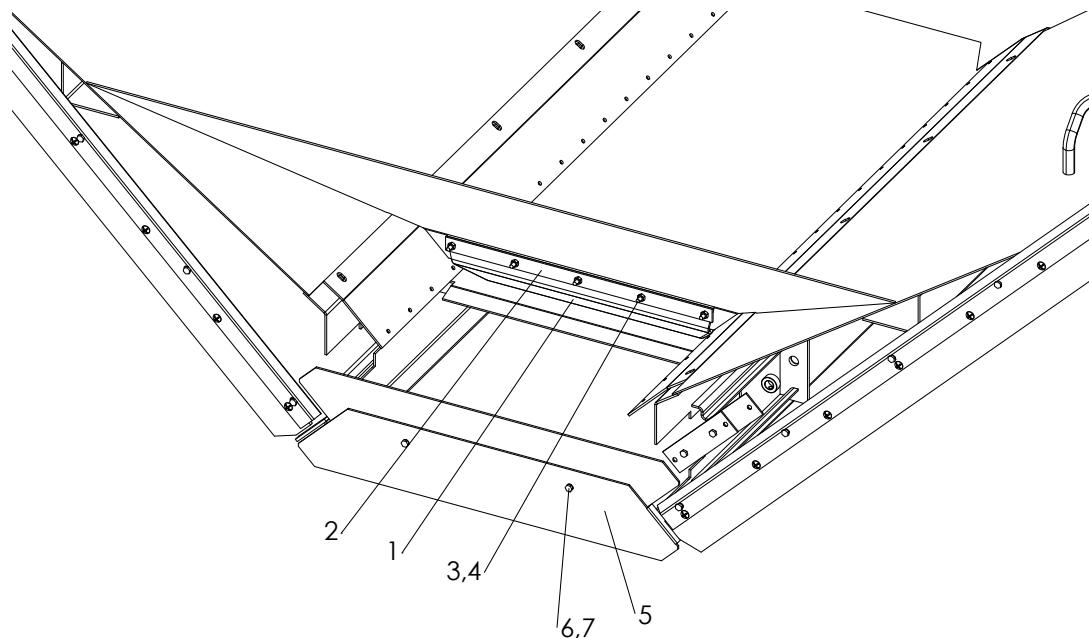


<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	98557	Panel - Feedgate	1
2	36429	Pin - Hair	2



<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	306579	Panel - Feedgate	1
2	36429	Pin - Hair	2

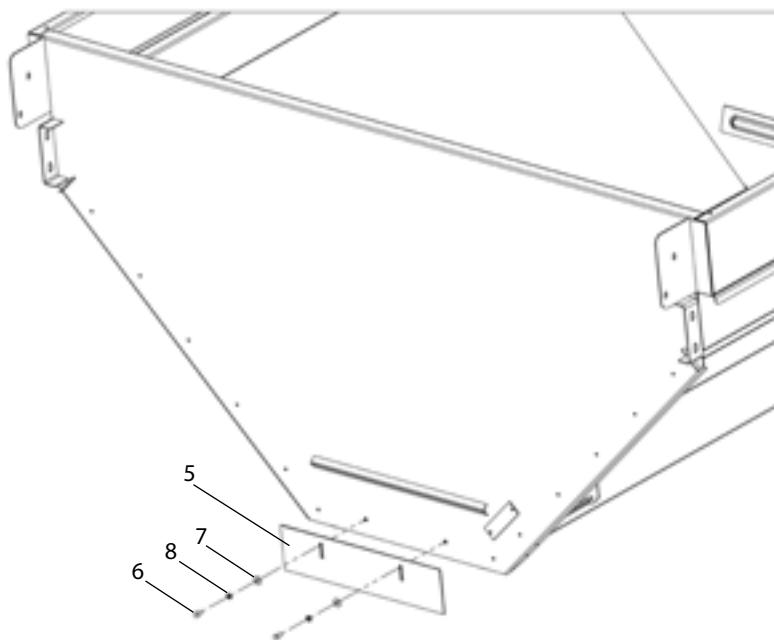
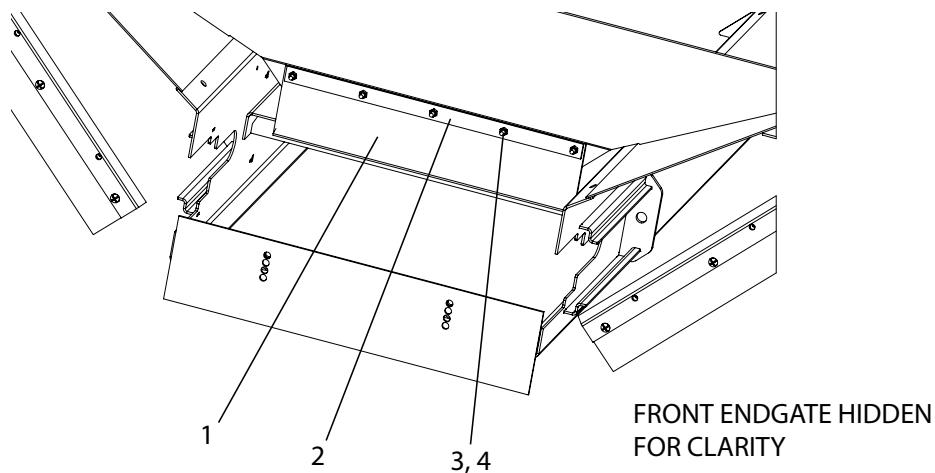
FRONT FEEDGATE & WIPER - STYLE I



Note: Front endgate removed for clarity.

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	39426	Wiper – Belt Front	1
2	54230	Retainer – Wiper	1
3	42033	Screw - Truss Head 1/4 x 1	5
4	36412	Nut – Hex 1/4	5
5	86868	Feedgate - Panel 1.5"	1
	96984	Feedgate - Panel 2"	1
6	36398	Cap Screw - 3/8 x 1	2
7	36420	Washer - Lock 3/8	2

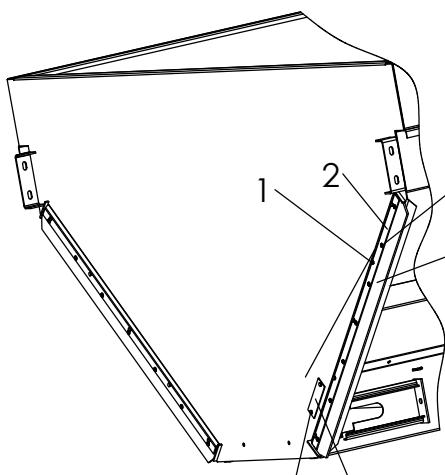
FRONT FEEDGATE & WIPER - STYLE II



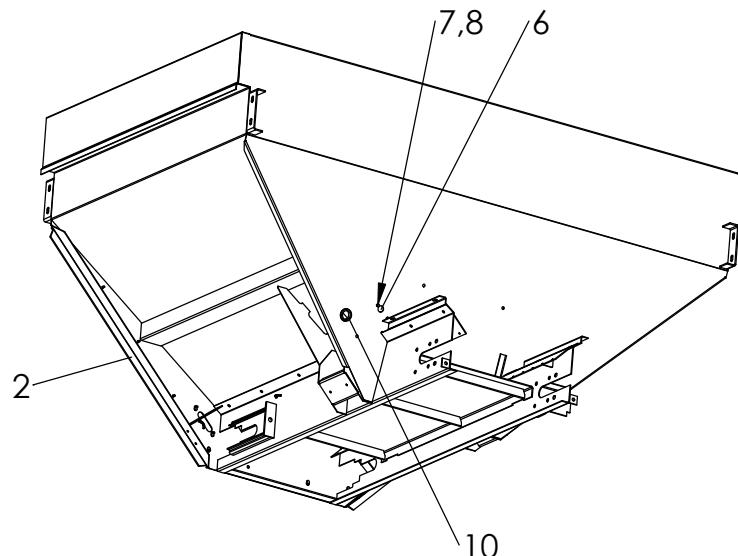
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	39426	Wiper – Belt Front	1
2	54230	Retainer – Wiper	1
3	42033	Screw – Machine 1/4-20NC x 1	5
4	36412	Nut – Hex 1/4-20NC	5
5	306583	Feedgate - 304	1
6	36293	Cap Screw - 3/8-16NC x 3/4 SS	2
7	36425	Washer - Flat 3/8 SS	2
8	36420	Washer - Lock 3/8 SS	2

Please Give Part No., Description
& Unit Serial No.

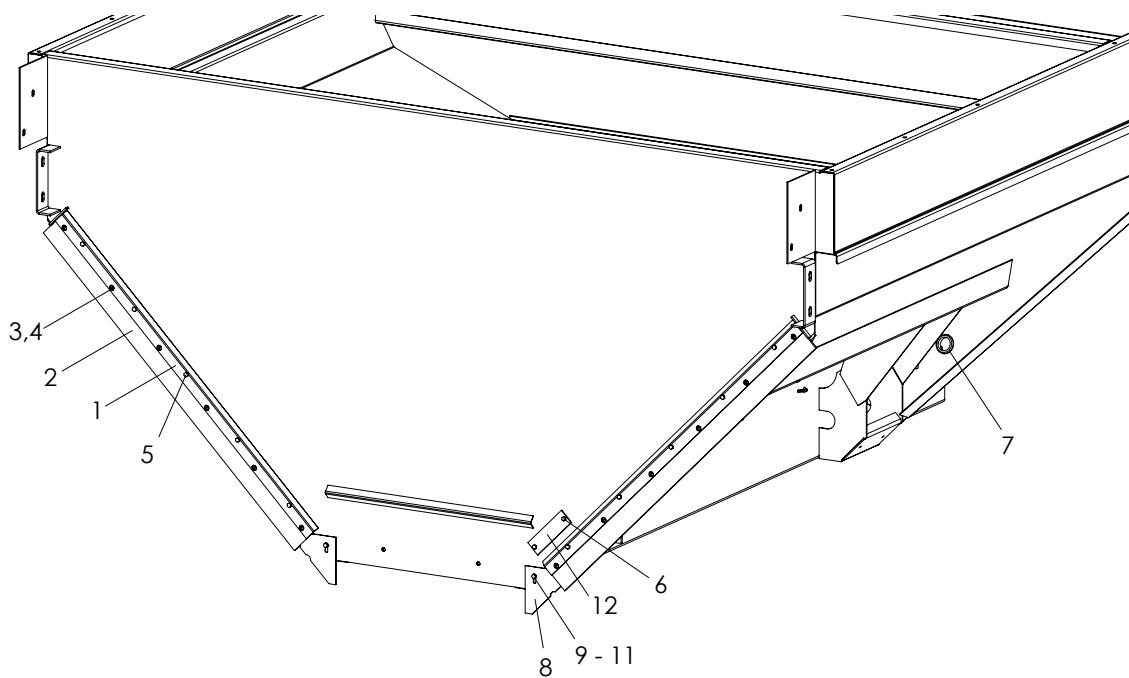
NEW LEADER



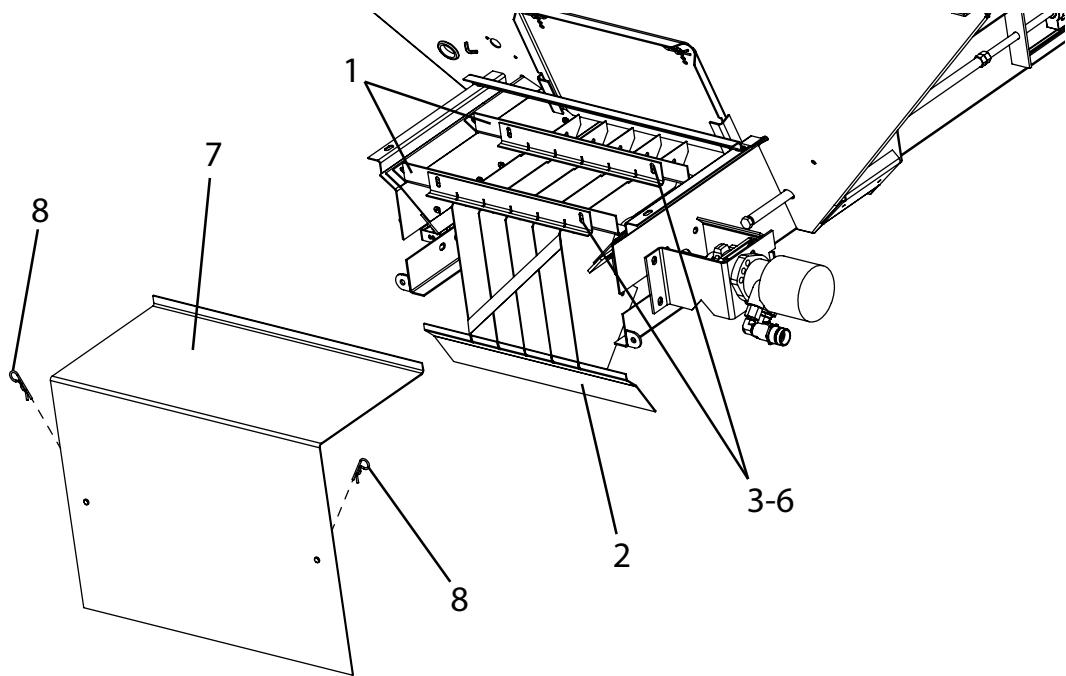
VIEW A-A



<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	97967	Seal - Assy, Includes 2-5	
1	36395	Cap Screw - 1/4-20NC x 1 SS	10
2	97966	Retainer - Seal 304	1
3	97968	Seal - 3 x 1/4 x 47-7/8	1
4	88931	Nut - Tee 1/4 x 1/4	14
5	56258	Screw - Truss Head 1/4-20 x 1/2 SS	14
6	305832	Plate - Bin Sensor	1
7	36393	Cap Screw - 1/4-20NC x 3/4 SS	4
8	42034	Nut - Lock 1/4-20 SS	2
9	307125	Plate - Bin Sensor 304	1
10	34129	Grommet - Rubber	1

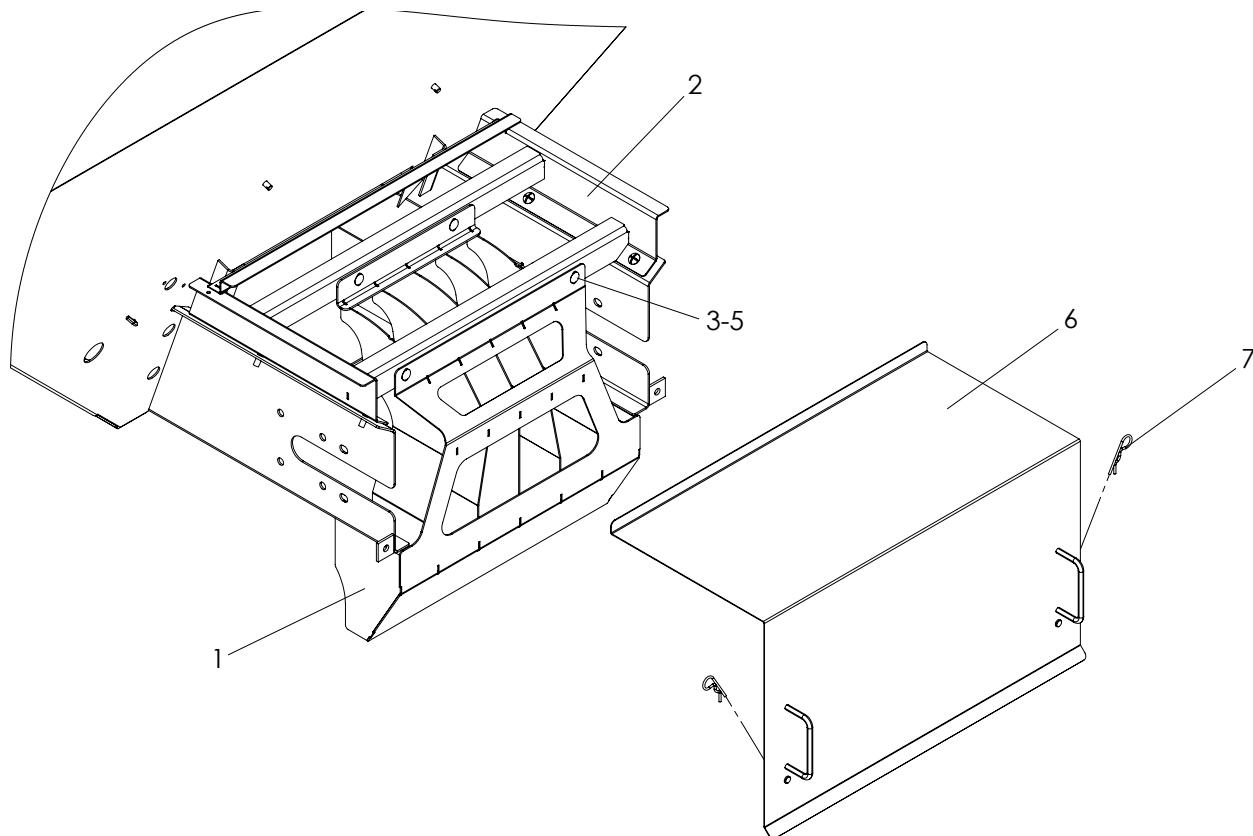


<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	306637	Seal - Assy, Includes 1-4	
1	306581	Retainer - Seal 304	2
2	306582	Seal - 3 x 1/4 x 45	2
3	56258	Screw - Truss Head 1/4-20NC x 1/2 SS	12
4	88931	Nut - Tee 1/4 x 1/4	12
5	36395	Cap Screw - 1/4-20NC x 1 SS	10
6	36393	Cap Screw - 1/4-20NC x 3/4 SS	2
7	34129	Grommet - Rubber	1
8	306707	Sealer - Endgate Bolt-In 304	2
9	36418	Washer - Lock 1/4 SS	2
10	40750	Cap Screw - 1/4-20NC x 1-1/4 SS	2
11	36423	Washer - Flat 1/4 SS	2
12	307125	Plate - Bin Sensor 304	1



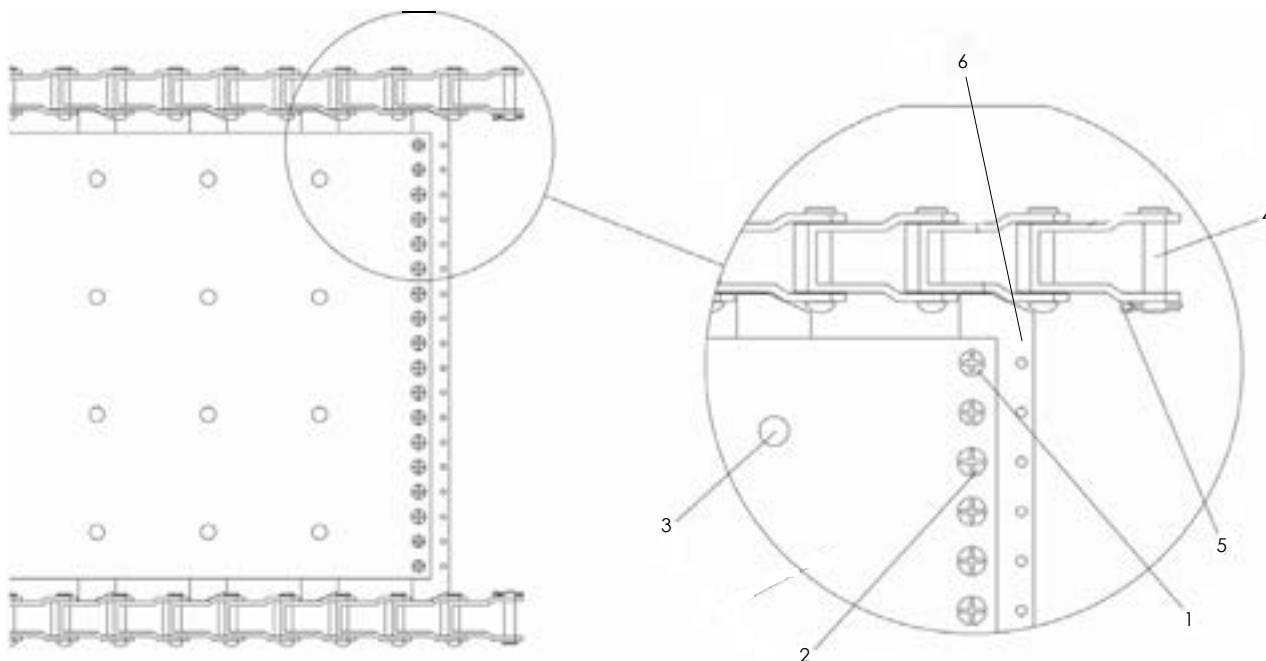
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	86825	Support - Divider	2
2	98553	Divider - Wldmt Hillside	1
3	36408	Bolt - Carriage 3/8-16 NC x 1	4
4	36425	Washer - Flat 3/8	4
5	36420	Washer - Lock 3/8	4
6	36414	Nut - Hex 3/8-16 NC	4
7	98562	Cover - Wldmt Rear 304	1
8	36429	Pin - Hair	2

Note: Use chain shield hardware to attach Item 1 to sills.



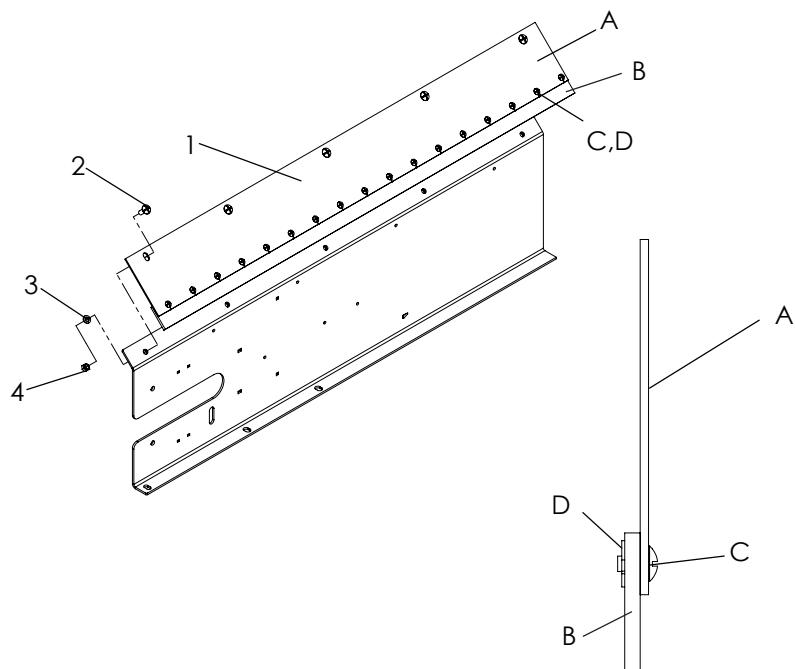
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	311428	Hillside Divider Wldmt 304	1
2	311438	Support - Hillside Divider Wldmt 304	1
3	36408	Bolt - Carriage 3/8-16NC x 1 SS	4
4	36425	Washer - Flat 3/8 SS	4
5	72054	Nut - Lock 3/8-16NC SS	4
6	311444	Cover - Wldmt Rear 304	1
7	36429	Pin - Hair	2

#4 BELT-OVER-CHAIN (BOC)



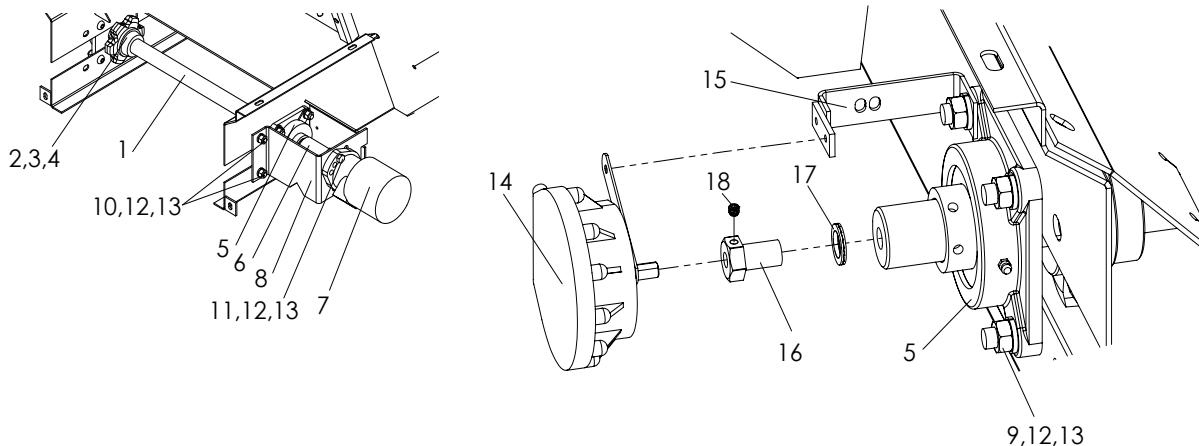
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	308712-AA	Chain Wldmt - 5', Includes 1-8	1
	308712-AC	Chain Wldmt - 7', Includes 1-8	1
1	20617	Screw - Flat 1/4-20NC x 1/2	8
2	20624	Screw - Truss Head 1/4-20NC x 1/2	28
3	308534	Screw - 1/4 x 1 1/2-20NC	AR
4	21118	Pin - Chain Pintle	2
5	20817	Pin - Cotter	2
6	70473	Bar - Splicer	1
7	*308652 *308654	Chain - 54LK #4 - 5' Unit Chain - 75LK #4 - 7' Unit	1 1
8	*56376-AA	Belting - Specify Length	AR

* Not Shown



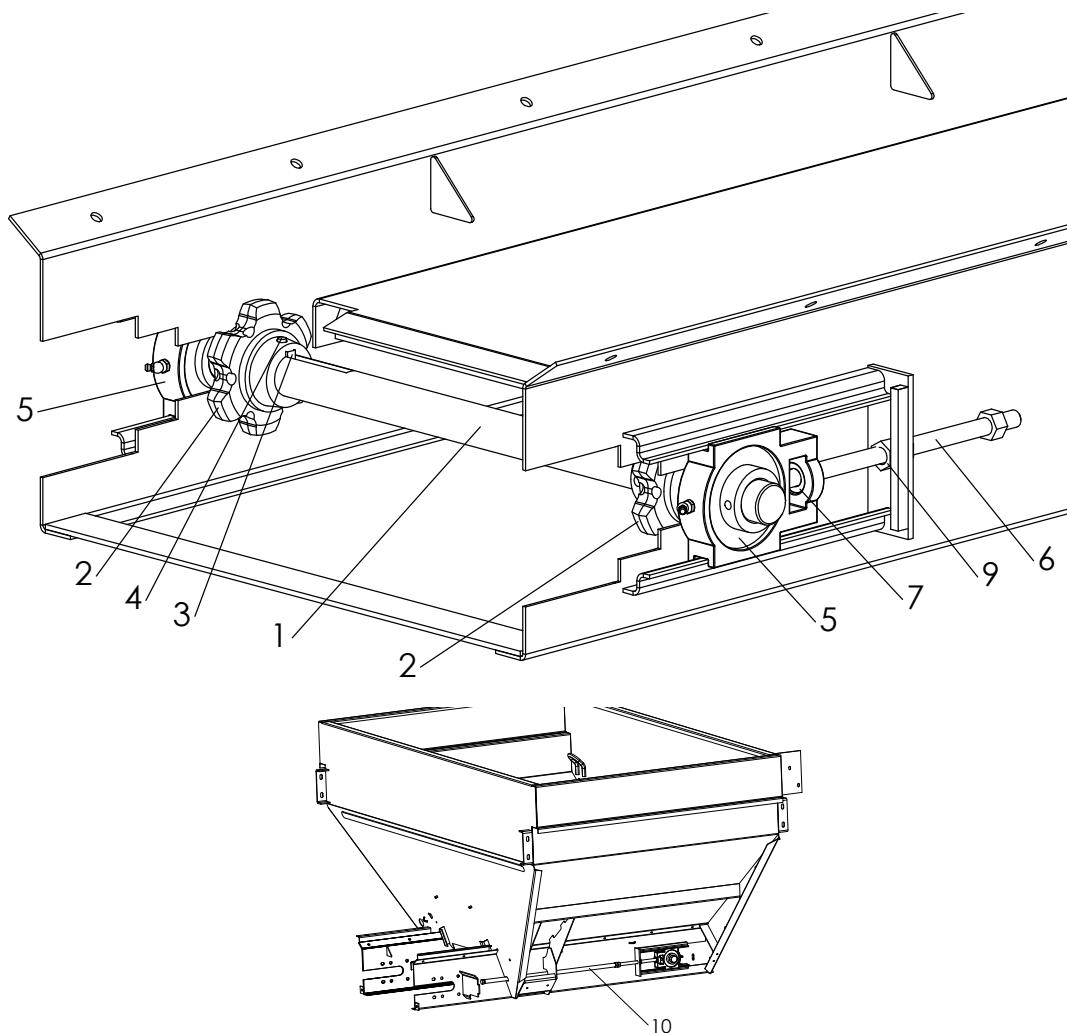
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>	
			<u>5' Unit</u>	<u>7' Unit</u>
1	86876 303977	Shield – Chain Assy - 5' Unit Shield – Chain Assy - 7' Unit	2 --	-- 2
A	86798 303978	Shield – Chain - 5' Unit Shield – Chain - 7' Unit	2 --	-- 2
B	305975	Belting – Sealer, specify length	AR	AR
C	56258	Screw – Truss Head 1/4-20 x 1/2	46	62
D	88931	Nut – Tee 1/4 x 1/4 - 5' Unit	46	62
2	71829	Screw – Machine 3/8-16 x 1 SS	14	16
3	36420	Washer – Lock 3/8 SS - 5' Unit	14	16
4	36414	Nut – Hex 3/8-16 SS - 5' Unit	14	16

AR – As Required



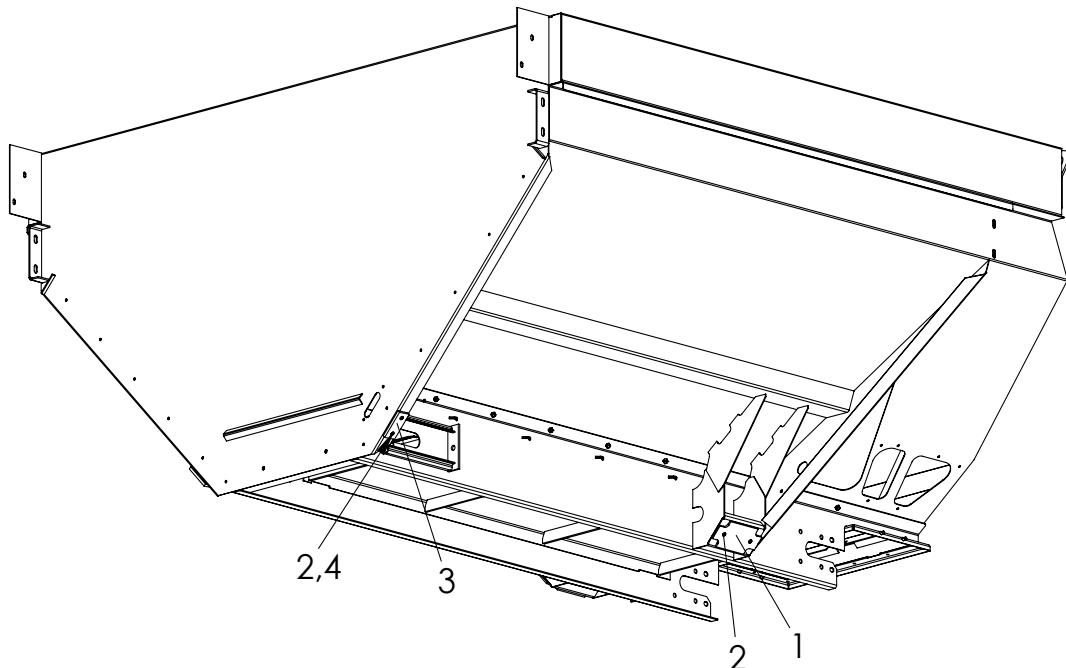
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	86759-X1	Shaft - Drive Assy, Includes Items 1-5	
1	310644	Shaft - Drive	1
2	86757	Sprocket	2
3	6131	Key - Square	2
4	20743	Screw - Set	4
5	6697	Bearing	2
6	86762 * 4059	Coupling - Shaft Key - Square 5/16 x 1-1/2	1 1
7	311056 *56327	Motor - Hydraulic 17.1 CID Seal Kit	1 1
8	86766	Mount - Motor	1
9	304484	Screw - Button Head 1/2-13NC x 1-1/2 SS	8
10	72056	Bolt - Carriage 1/2-13NC x 1 SS	2
11	36539	Cap Screw - 1/2-13NC x 1-1/2 SS	2
12	36422	Washer - Lock 1/2 SS	12
13	36416	Nut - Hex 1/2 SS	12
14	303994	Encoder - Conveyor 180	1
15	304953-X1	Bracket - Encoder	1
16	310601	Coupler - Rate Sensor	1
17	310602	Washer - Special Lock	1
18	310603	Screw - Set 1/4-20NC x 5/16 SS	1

* - Not Shown



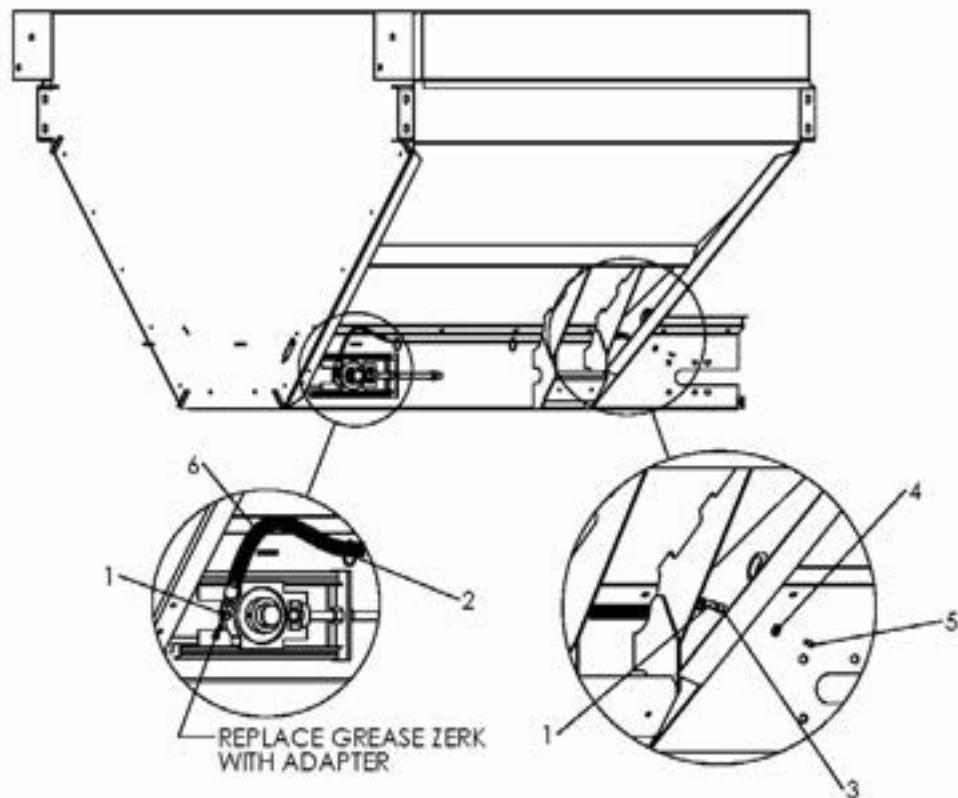
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	89780	Shaft - Idler Assy, Includes 1-5	
1	89779	Shaft - Idler	1
2	86757	Sprocket	2
3	6131	Key - Square	2
4	20743	Screw - Set 5/16-18NC x 3/8	4
5	22511	Bearing	2
6	87857	Bolt Wldmt	2
7	17078	Collar - Set	2
8	* 36417	Nut - Hex 5/8 SS	2
9	87856	Nut Wldmt 304	2
10	306974 306595	Extended Idler - Pipe Wldmt Adj 5' 304 Extended Idler - Pipe Wldmt Adj 7' 304	2

* - Not Shown



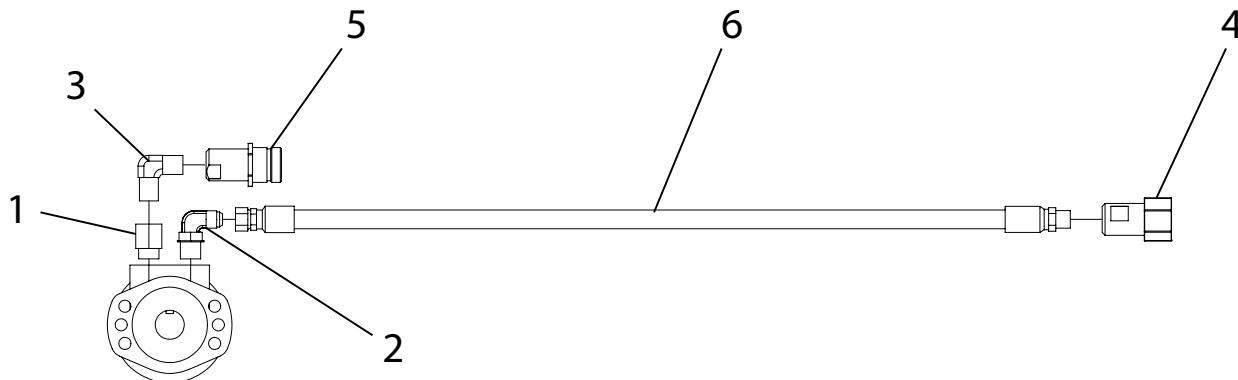
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	306924	Mount - Foot Pad	2
2	47268	Screw - Flathead 1/4-20NC x 1 SS	8
3	307097	Mount - Pad	2
4	42034	Nut - Lock 1/4-20NC SS	4

IDLER GREASE ZERKS

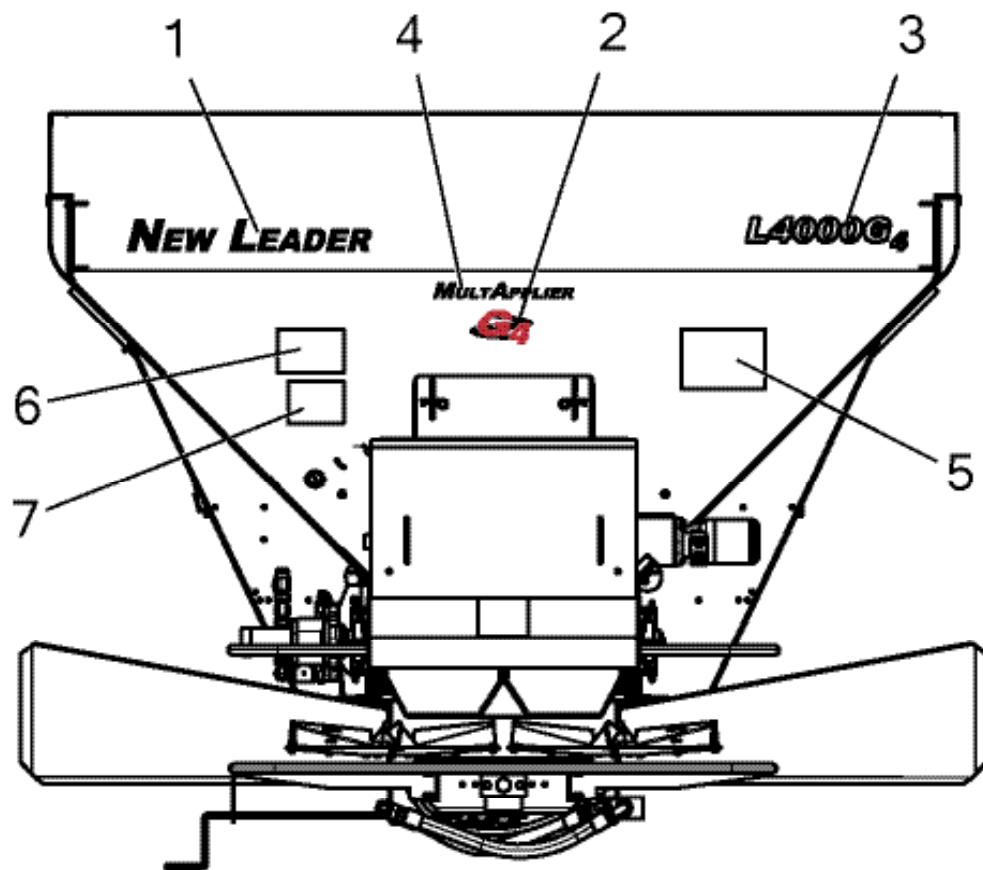


<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>	
	<u>Style I</u>	<u>Style II</u>		
1	34734	34734	Adapter - Elbow	4
2	99674	311806	Tie - Cable	AR
3	301332	301332	Connector - Bulkhead	2
4	301333	301333	Nut - Lock Connector	2
5	6072	6072	Zerk - Grease	2
6	307131 307128	307131 307128	Hose - Assembly 5' Hose - Assembly 7'	2

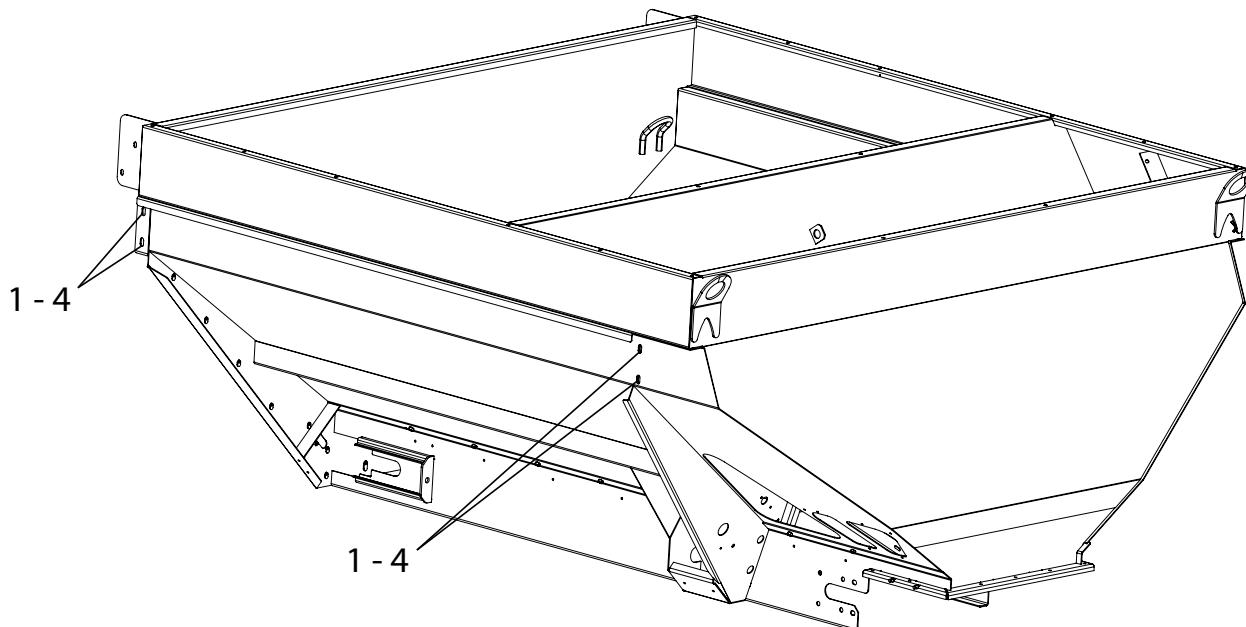
AR - As Required



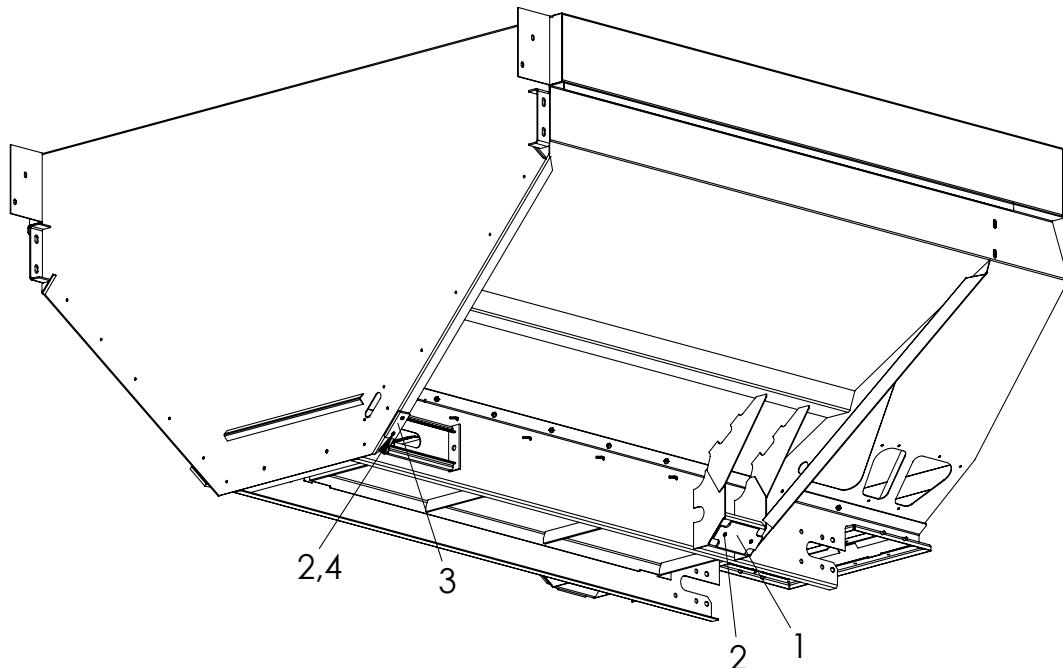
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	22020	Fitting - 10-8 Non Standard	1
2	29772	Fitting - 8-10 070220	1
3	34742	Fitting - 8-8 140237	1
4	96651	Disconnect - Quick Female	1
5	96652	Disconnect - Quick Male	1
6	98667	Hose Assembly - 1/2 x 36	1



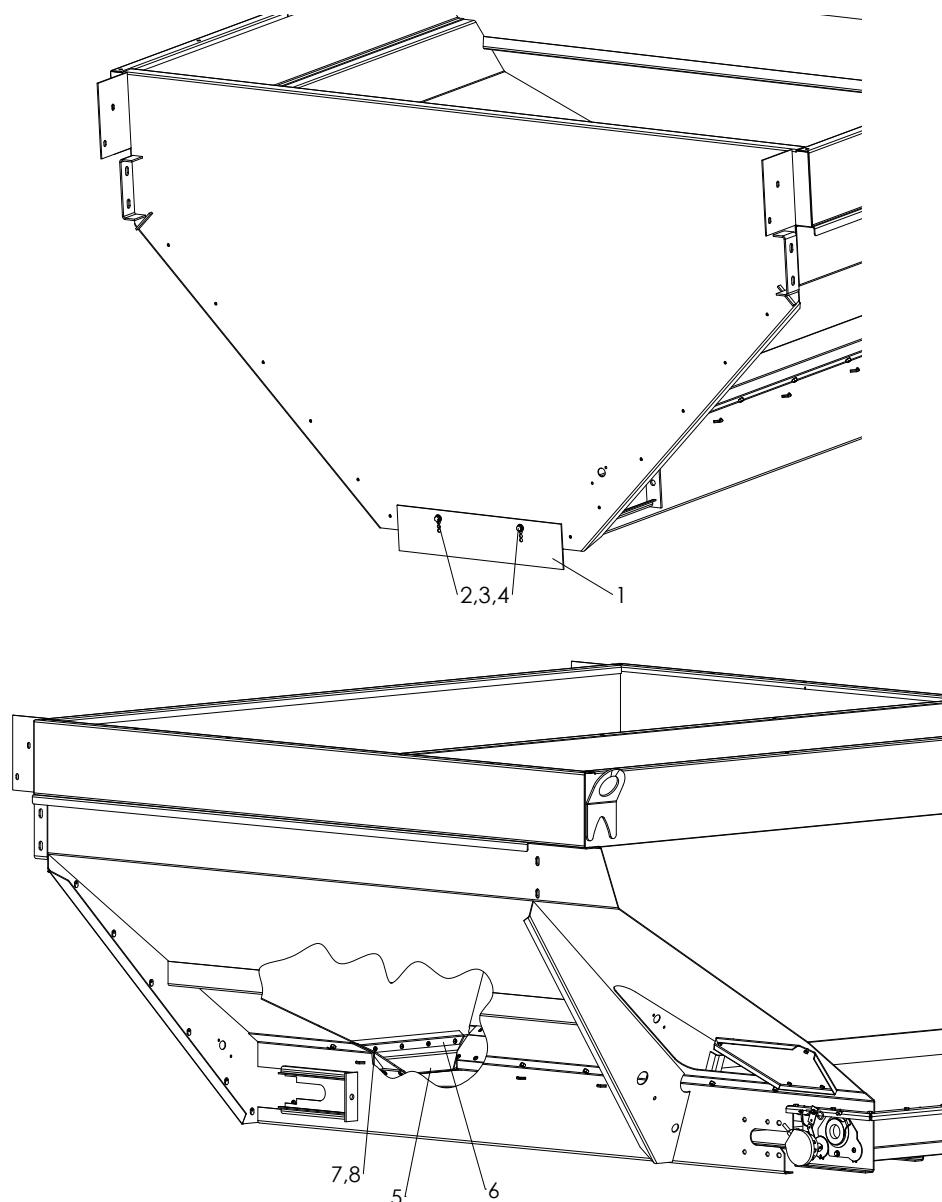
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	312561	Decal - New Leader Black	1
2	87122	Decal - G4	1
3	306151	Decal - L4000G4	1
4	312591	Decal - MULTAPPLIER	1
5	368	Decal - Danger Flying Material	1
6	71526	Decal - Important Spread Pattern	1
7	21476	Decal - Important Chain Life	1



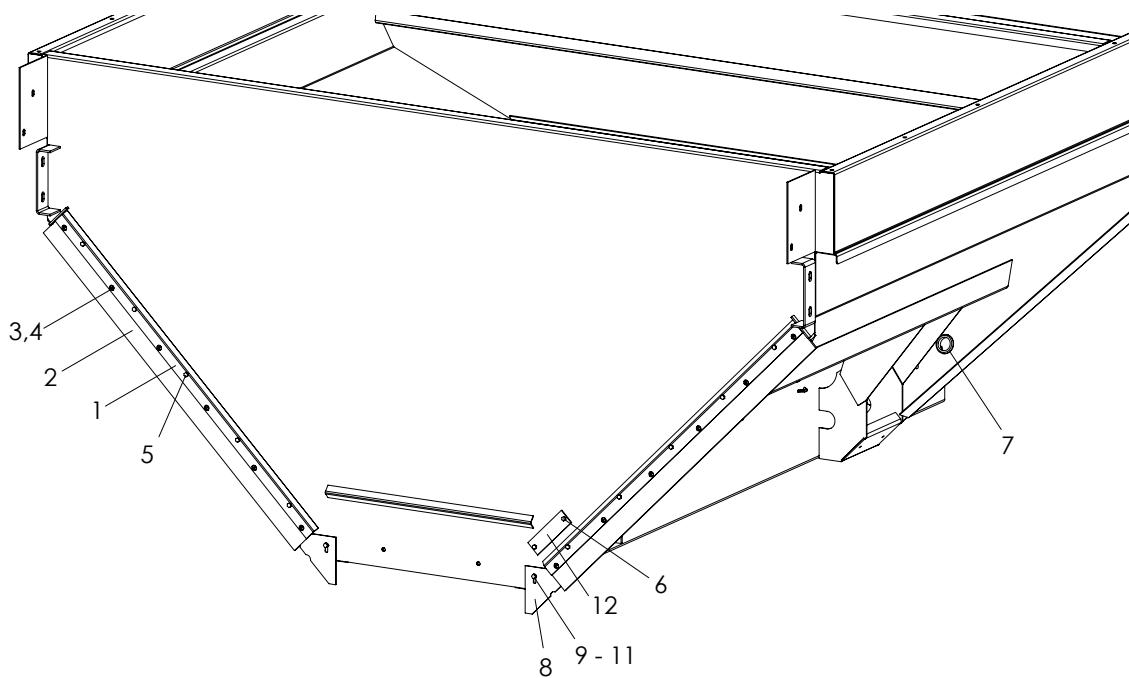
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	307129	Hardware – Kit Mount	
2	20129-X1	Cap Screw – 1/2 x 1 1/2 Grade 8	8
3	20695	Washer – Flat 1/2	16
4	20714	Washer – Lock 1/2	8
5	20646	Nut – Hex 1/2	8



ITEM	PART NO.	DESCRIPTION	QTY
1	306924	Mount - Foot Pad	2
2	47268	Screw - Flathead 1/4-20NC x 1 SS	8
3	307097	Mount - Pad	2
4	42034	Nut - Lock 1/4-20NC SS	4

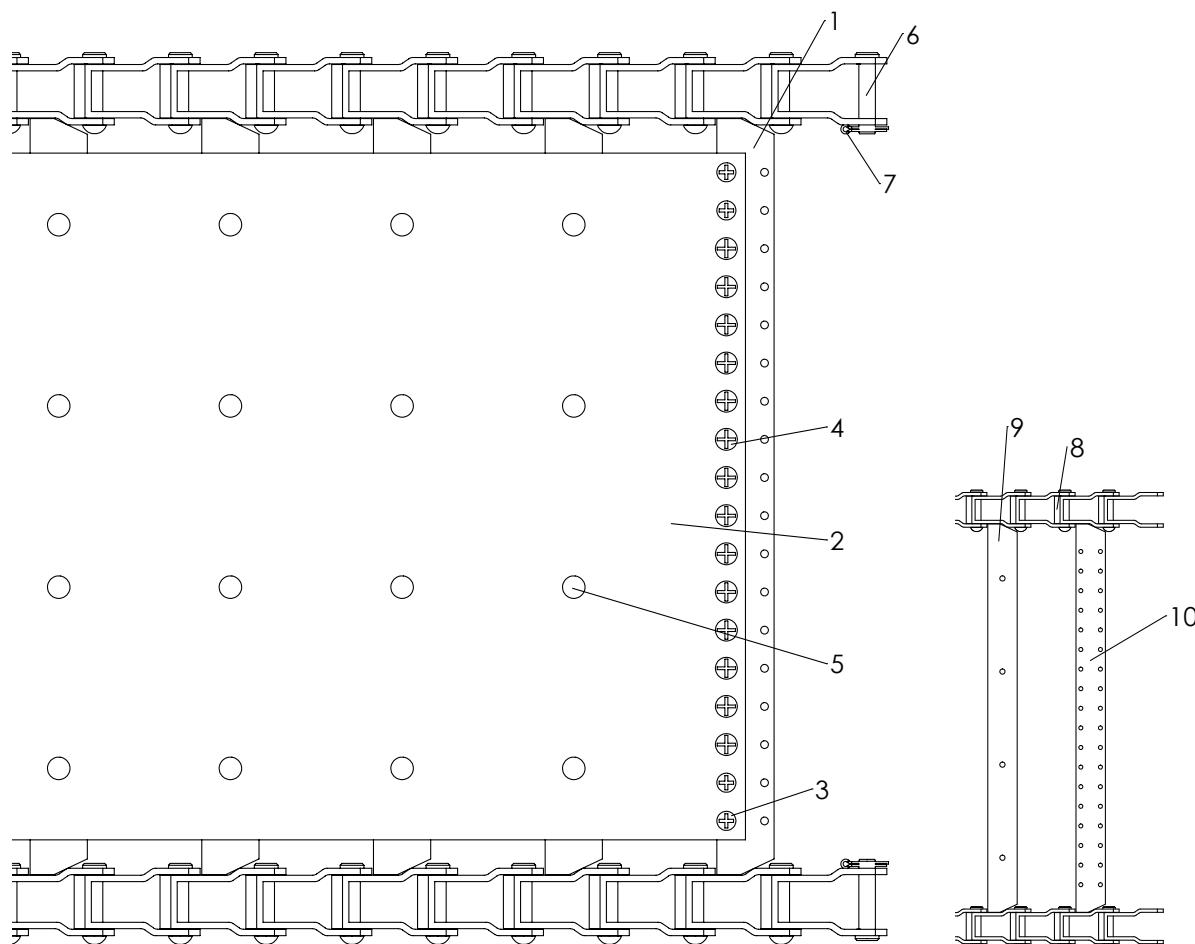


<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	306583	Feedgate 304	1
2	36293	Cap Screw - 3/8 x 3/4 SS	2
3	36425	Washer - Flat 3/8 SS	2
4	36420	Washer - Lock 3/8 SS	2
5	306545	Wiper - Belt Front	1
6	306546	Retainer - Wiper 304	1
7	42033	Screw - Truss Head 1/4 x 1 SS	5
8	36412	Nut - Hex 1/4 SS	5



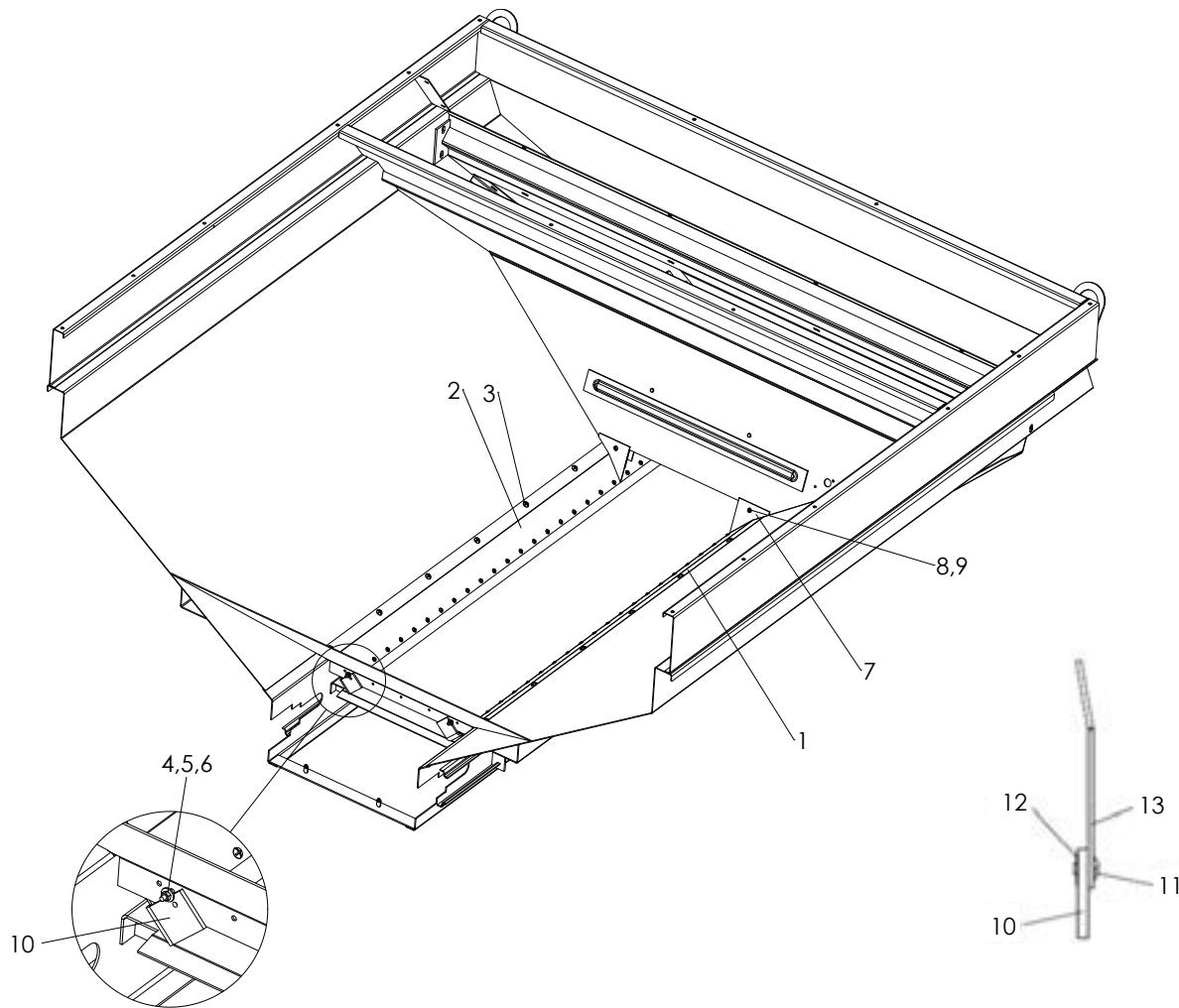
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	306637	Seal - Assy, Includes 1-4	
1	306581	Retainer - Seal 304	2
2	306582	Seal - 3 x 1/4 x 45	2
3	56258	Screw - Truss Head 1/4-20NC x 1/2 SS	12
4	88931	Nut - Tee 1/4 x 1/4	12
5	36395	Cap Screw - 1/4-20NC x 1 SS	10
6	36393	Cap Screw - 1/4-20NC x 3/4 SS	2
7	34129	Grommet - Rubber	1
8	306707	Sealer - Endgate Bolt-In 304	2
9	36418	Washer - Lock 1/4 SS	2
10	40750	Cap Screw - 1/4-20NC x 1-1/4 SS	2
11	36423	Washer - Flat 1/4 SS	2
12	307125	Plate - Bin Sensor 304	1

#4 BELT-OVER-CHAIN (BOC)



<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	308712-AC	7' #4 Belt-Over-Chain	
1	308654	Chain - Wldmt #4	1
2	304304-AB	Belt - 18" x 132" MOR	1
3	20617	Screw - Flat 1/4 x 1/2	8
4	20624	Screw - Truss 1/4 x 1/2	28
5	308534	Screw - 1/4-20 x 1/2 #4 BOC	144
6	21118	Pin - Chain Pindle	2
7	20817	Pin - Cotter	2
8	305637	Chain - Assembly 75 Link	2
9	305642	Bar - Cross	36
10	70473	Bar - Splicer	1

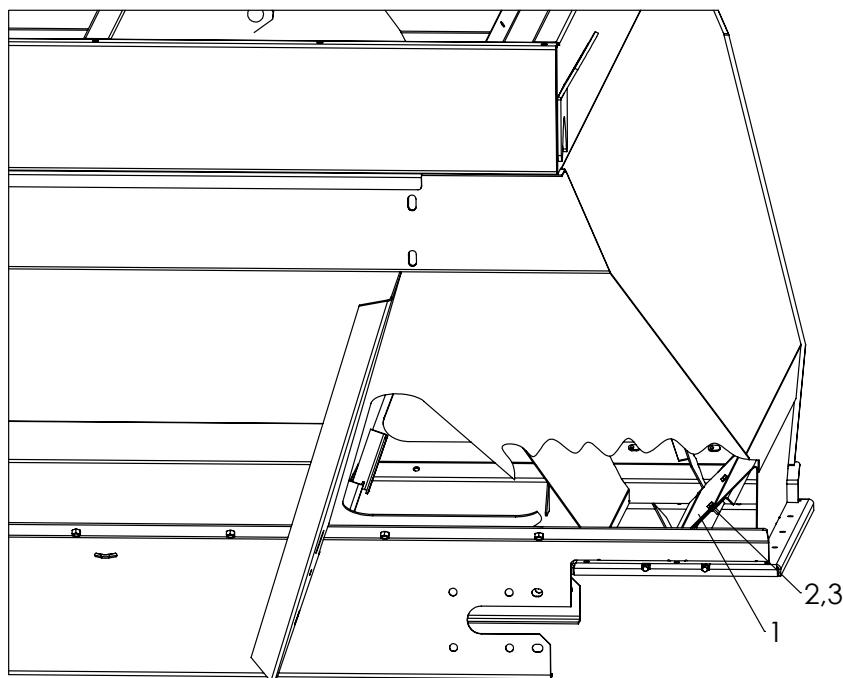
CHAIN SHIELDS



<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	306542-AA	Shield - Chain Assembly LH 304, Includes 10-13	1
2	306542-AB	Shield - Chain Assembly RH 304, Includes 10-13	1
3	71829	Screw - Truss Head 3/8 x 1 SS	16
4	42033	Screw - Truss 1/4 x 1 SS	2
5	36423	Washer - Flat 1/4 SS	2
6	36412	Nut - Hex 1/4 SS	2
7	306558	Sealer - Feedgate Bolt-In 304	2
8	32446	Screw - Truss Head 1/4 x 3/4 SS	2
9	42034	Nut - Lock 1/4 SS	2
10	305975	Belting - Sealer Strip MOR	2
11	56258	Screw - Truss Head 1/4-20 x 1/2 SS	54
12	88931	Nut - Tee 1/4 x 1/4	54
13	306543	Shield - Chain 304	2

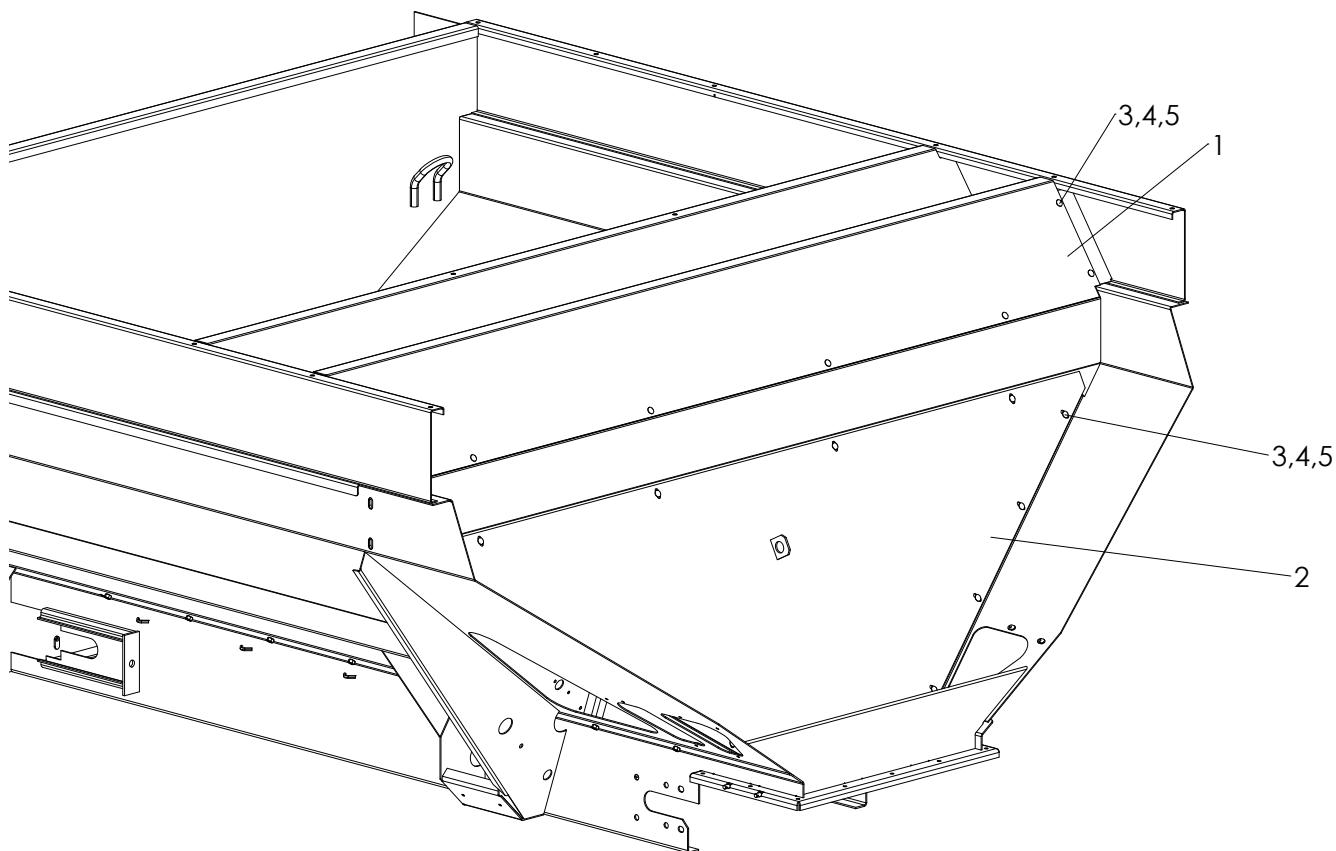
Please Give Part No., Description
& Unit Serial No.

NEW LEADER



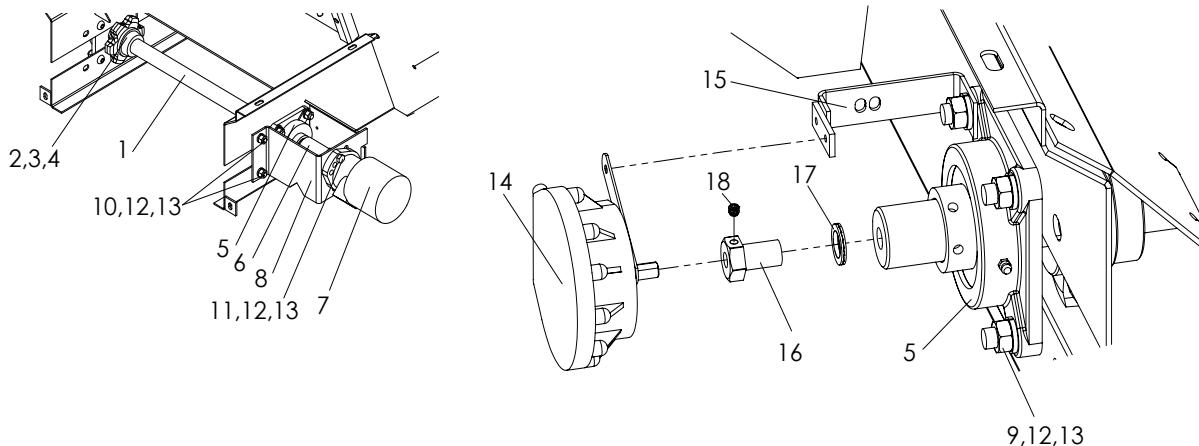
* - Parts removed for clarity.

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	306532	Panel - Weldment Rear 304	1
2	36393	Cap Screw - 1/4-20 x 3/4 SS	3
3	36418	Washer - Lock	3



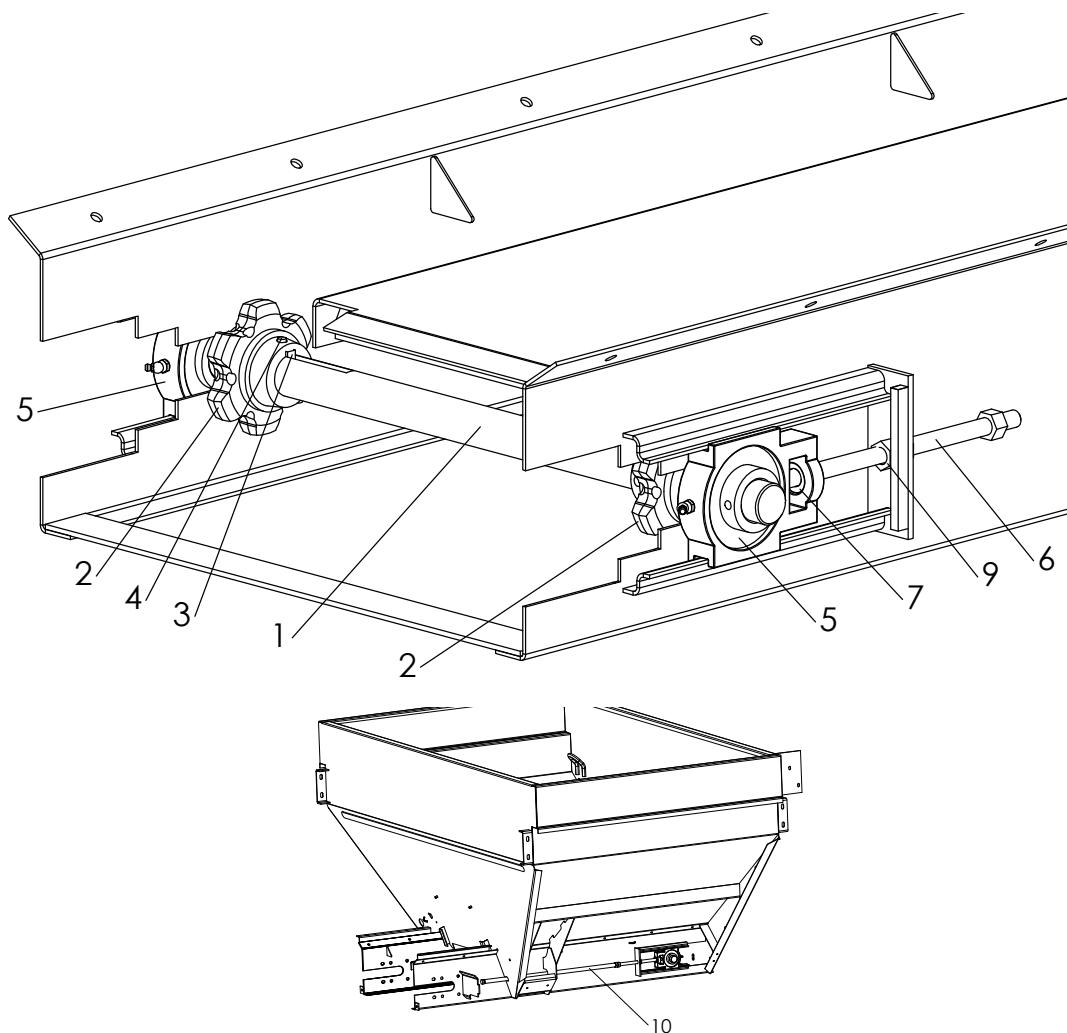
* - Rear Endgate removed for clarity.

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	306528	Panel - Insert Upper 304	1
2	306529	Panel - Weldment Lower 304	1
3	42639	Bolt - Carriage 5/16 x 1 SS	26
4	36424	Washer - Flat 5/16	26
5	42221	Nut - Lock 5/16 SS	26



<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	86759-X1	Shaft - Drive Assy, Includes Items 1-5	
1	310644	Shaft - Drive	1
2	86757	Sprocket	2
3	6131	Key - Square	2
4	20743	Screw - Set	4
5	6697	Bearing	2
6	86762 * 4059	Coupling - Shaft Key - Square 5/16 x 1-1/2	1 1
7	311056 56327	Motor - Hydraulic 17.1 CID Seal Kit	1 1
8	86766	Mount - Motor	1
9	304484	Screw - Button Head 1/2-13NC x 1-1/2 SS	8
10	72056	Bolt - Carriage 1/2-13NC x 1 SS	2
11	36539	Cap Screw - 1/2-13NC x 1-1/2 SS	2
12	36422	Washer - Lock 1/2 SS	12
13	36416	Nut - Hex 1/2 SS	12
14	303994	Encoder - Conveyor 180	1
15	304953-X1	Bracket - Encoder	1
16	310601	Coupler - Rate Sensor	1
17	310602	Washer - Special Lock	1
18	310603	Screw - Set 1/4-20NC x 5/16 SS	1

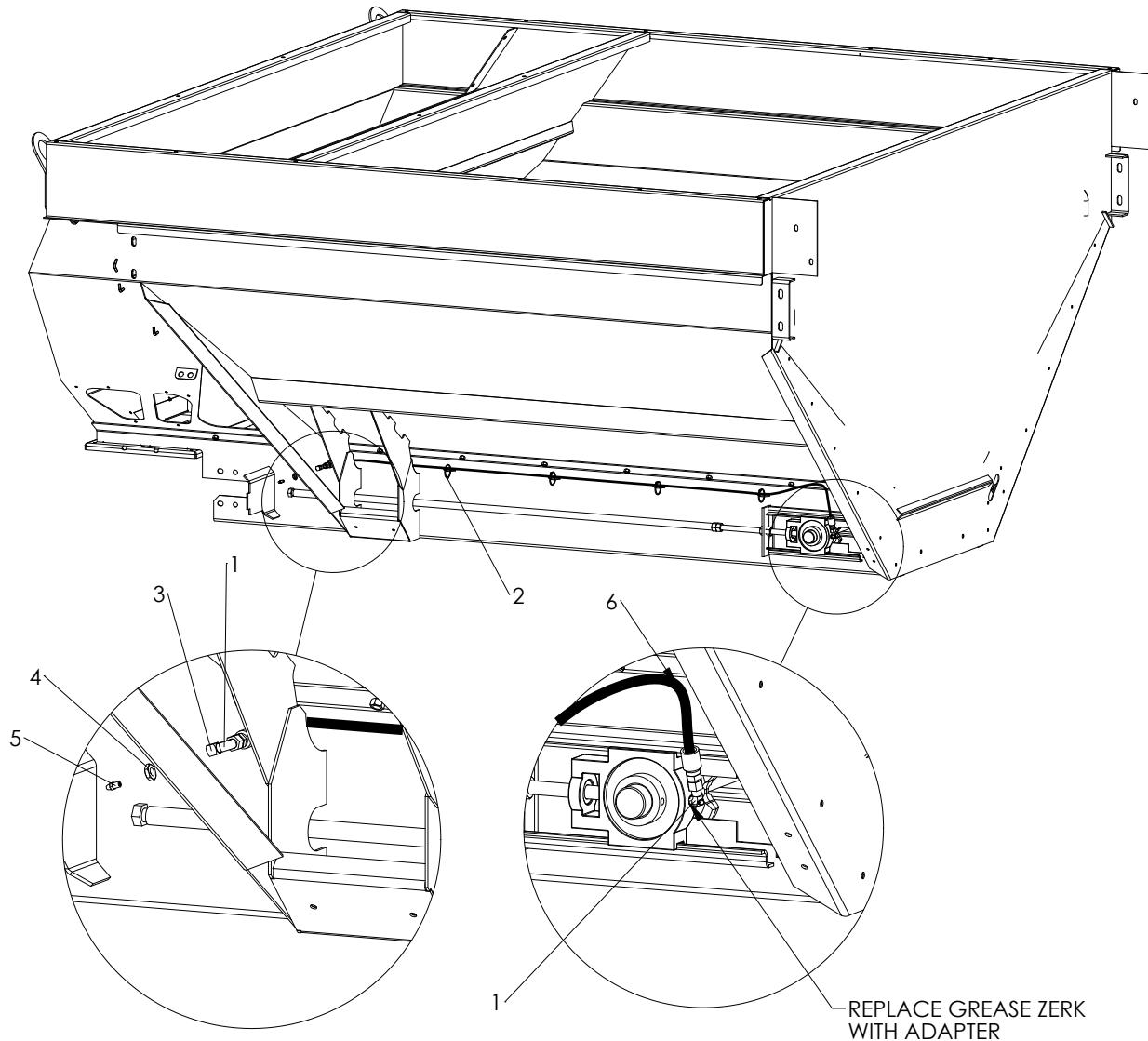
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<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	89780	Shaft - Idler Assy, Includes 1-5	
1	89779	Shaft - Idler	1
2	86757	Sprocket	2
3	6131	Key - Square	2
4	20743	Screw - Set 5/16-18NC x 3/8	4
5	22511	Bearing	2
6	87857	Bolt Wldmt	2
7	17078	Collar - Set	2
8	* 36417	Nut - Hex 5/8 SS	2
9	87856	Nut Wldmt 304	2
10	306595	Extended Idler - Pipe Wldmt Adj 7' 304	2

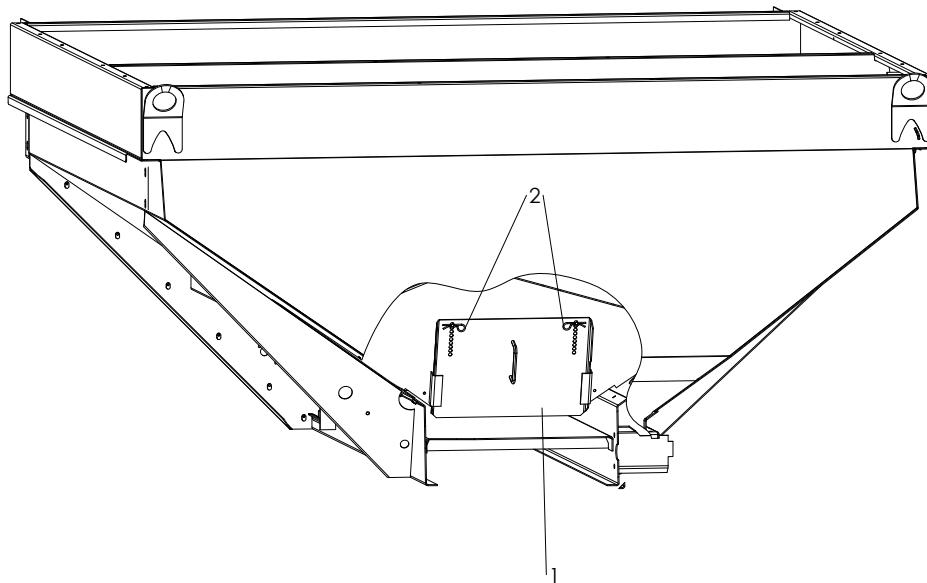
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IDLER GREASE ZERKS



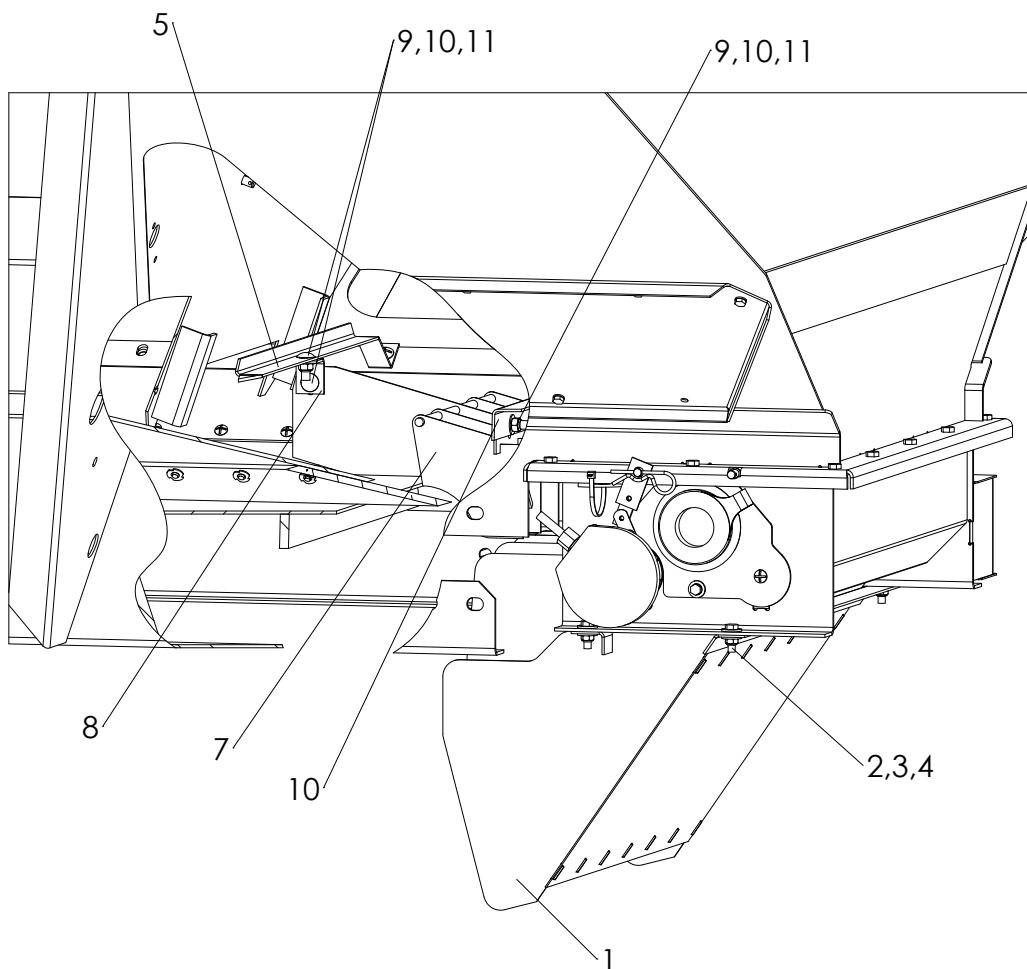
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	34734	Adapter - Elbow	2
2	99674	Tie - Cable	8
3	301332	Connector - Bulkhead	2
4	301333	Nut - Lock Connector	2
5	6072	Zerk - Grease	2
6	307128	Hose - Assembly 1/4 100R1 x 80	2

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<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	306578	Feedgate - Weldment 304	1
2	36429	Pin - Hair	2

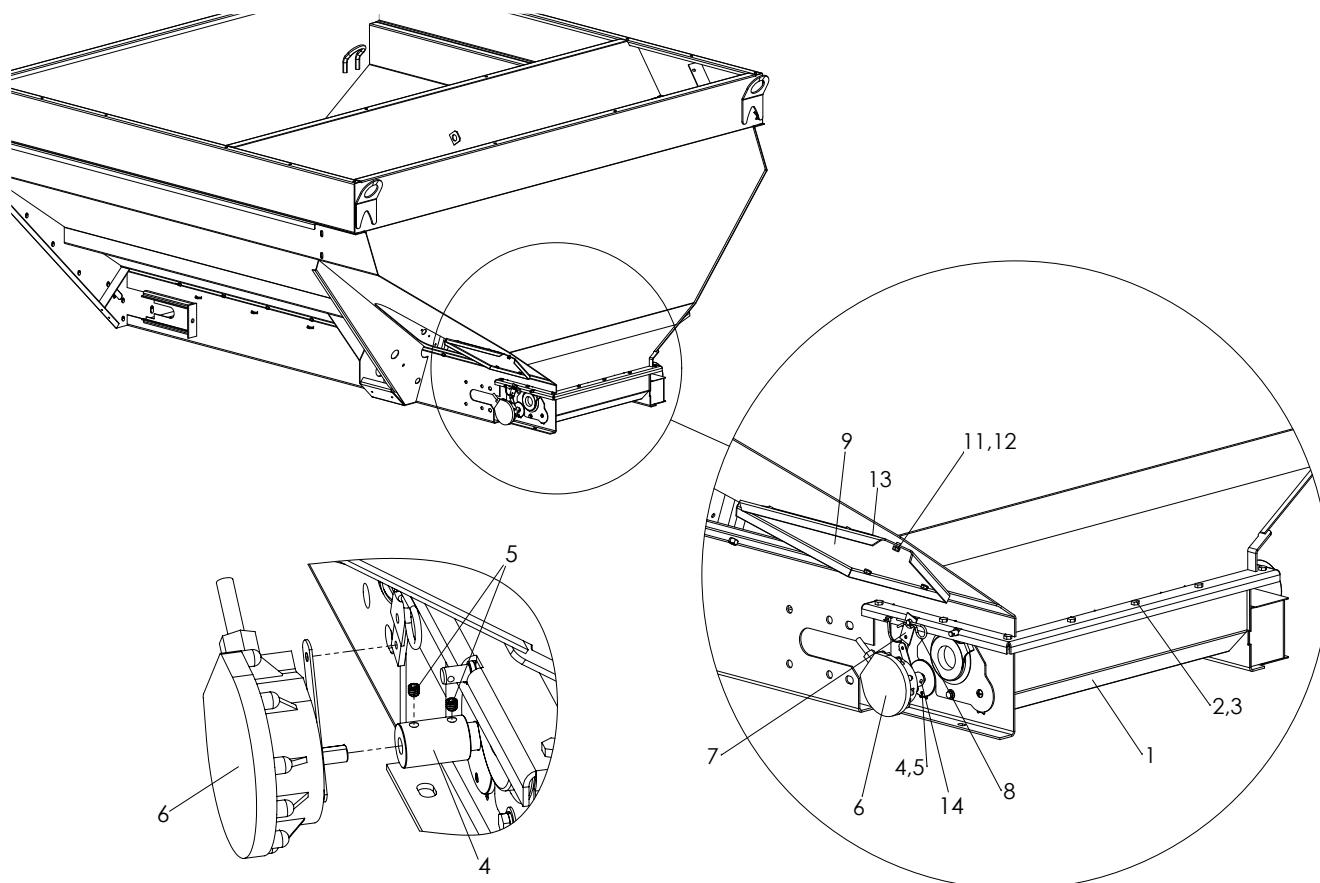
DIVIDER



<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	306712	Divider - Weldment Lower 304	1
2	34580	Cap Screw - 5/16 x 1	4
3	36424	Washer - Flat 5/16	8
4	42221	Nut - Lock 5/16 SS	4
5	306576	Support - Divider 304	1
6	306577	Support - Divider 304	1
7	306570	Divider - Weldment Upper 304	1
8	306575	Clamp - Angle 304	1
9	36408	Bolt - Carriage 3/8 x 1 SS	4
10	36425	Washer - Flat 3/8 SS	4
11	72054	Nut - Lock 3/8 SS	4

Please Give Part No., Description
& Unit Serial No.

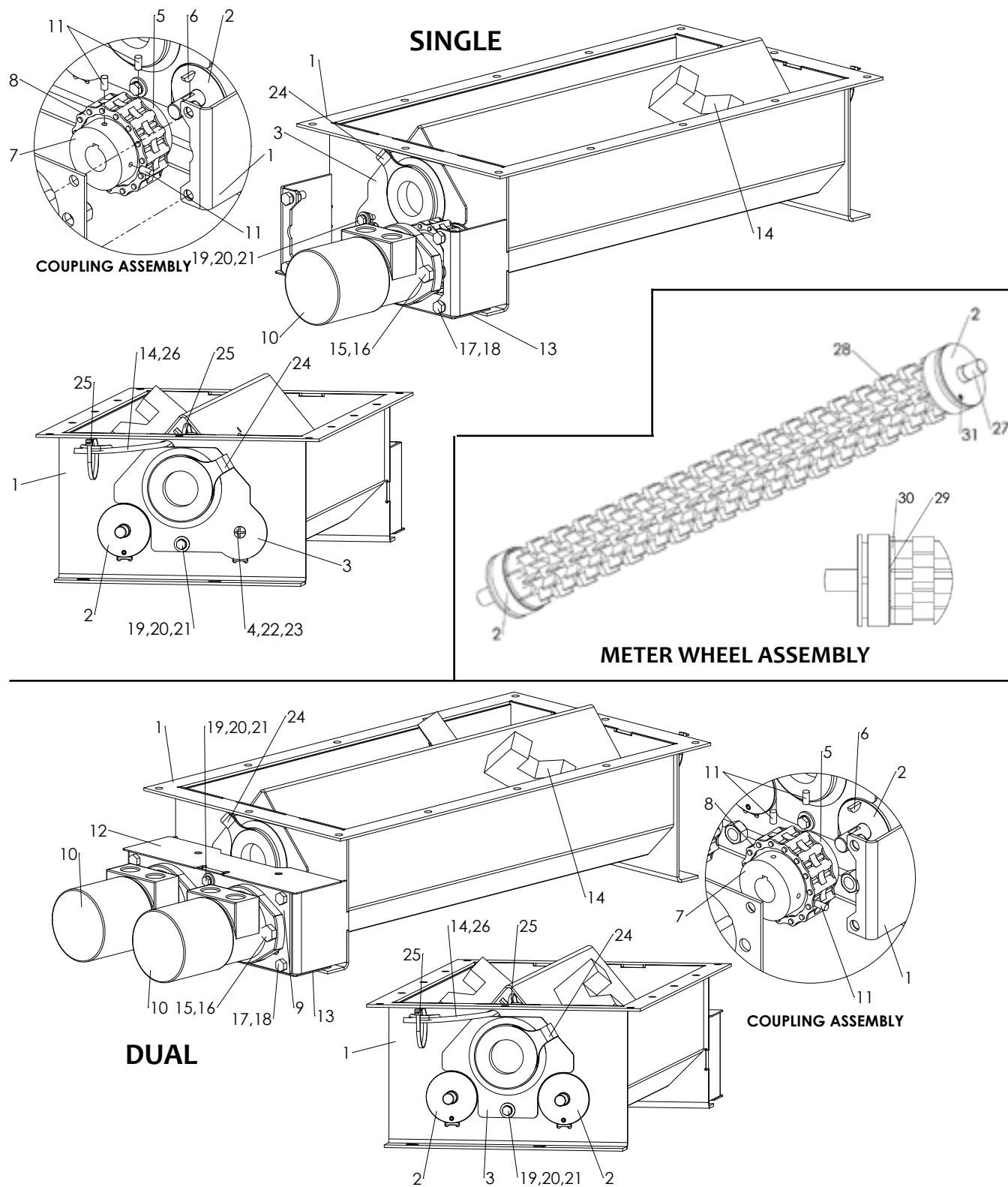
NEW LEADER



MICRO GROUP CONTINUED

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	306584	Micro - Assembly Single (see next page)	1
	306585	Micro - Assembly Dual (see next page)	1
2	56858	Cap Screw - 5/16 x 3/4	12
3	42221	Nut - Lock 5/16 SS	AR
4	304170	Coupling - Encoder 5/8 Shaft	AR
5	310603	Screw - Set 1/4-20NC X 5/16 SS	AR
6	303994	Encoder - 180 Count DJ with Mount Kit	AR
	303994-AA	Encoder	AR
	303994-AB	Mount - Kit	AR
7	306553	Torque Arm - Encoder 304	AR
8	36429	Pin - Hair	AR
9	306706-AA	Cover - Multibin Access LH 304	1
10	*306706-AB	Cover - Multibin Access RH 304	1
11	36418	Washer - Lock 1/4 SS	12
12	36393	Cap Screw - 1/4 x 3/4 SS	12
13	306819	Seal - Rubber	10 ft.
14	20735	Screw - Set 1/4 x 1/4	AR

* - Not Shown



Click or Scan - MULTIBIN Meter Wheel Service

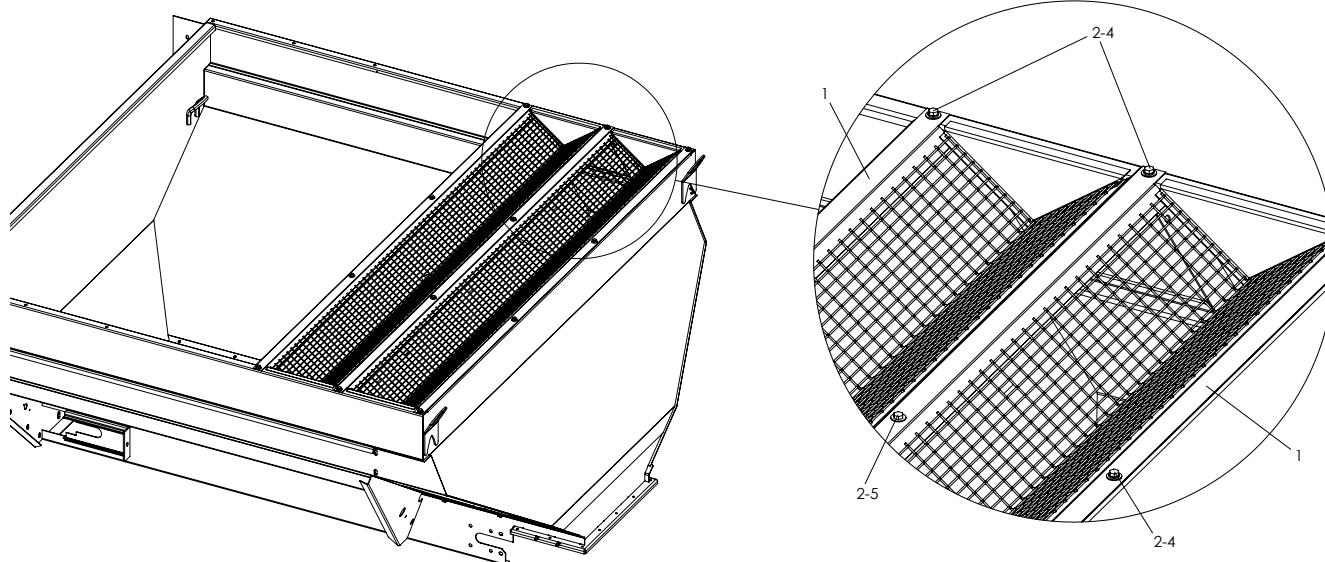
MICRO ASSEMBLY CONTINUED

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	312254	Micro - Assembly Bottom Single 304 Includes 1-31	
	312255	Micro - Assembly Bottom Dual 304 Includes 1-3, 5-21, 24-31	
	312253	Wheel - Assembly Meter, Includes 2, 27-31	
1	306534	Micro - Weldment Bottom 304	1
2	304125	Hub - Bearing	AR
3	306555	Retainer - Cover Single 304	AR
	306556	Retainer - Cover Dual 304	AR
4	306557	Guide Retainer 304	AR
5	39685	Coupling - Chain, Half	AR
6	34562	Key - Woodruff 5/32 x 5/8	AR
7	11409	Coupling - Chain, Half	AR
8	306865	Chain - Assembly 304	AR
9	306547	Mount - Motor Single 304	1
	306548	Mount - Motor Dual 304	1
10	304129	Motor - Hydraulic 11.9 CID	AR
	313015	Kit - Seal	AR
11	20737	Screw - Set 1/4 x 1/2	AR
12	306549	Guard - Weldment Upper 304	1
13	306551	Guard - Weldment Lower 304	1
14	98787-AB	Sensor - Bin Level 18" Lead	AR
15	36539	Cap Screw - 1/2 x 1-1/2	AR
16	39016	Nut - Lock 1/2 SS	AR
17	36398	Cap Screw - 3/8 x 1 SS	4
18	72054	Nut - Lock 3/8 SS	4
19	36393	Cap Screw - 1/4 x 3/4 SS	4
20	36423	Washer - Flat 1/4 SS	4
21	36418	Washer - Lock 3/8	4
22	32446	Screw - Truss Head 1/4 x 3/4	2
23	42034	Nut - Lock 1/4 SS	2
24	306807	Plug - Inspection	2
25	99674	Tie - Wire	2
26	58728	Conduit - Flexible	1.5 ft.
27	304130	Shaft - Meter Wheel	AR
28	312252	Wheel - Meter Section 304	AR
29	304133	Washer	AR
30	96066	Washer - Rubber	AR
31	56313	Pin - Roll SS	AR

Please Give Part No., Description
& Unit Serial No.

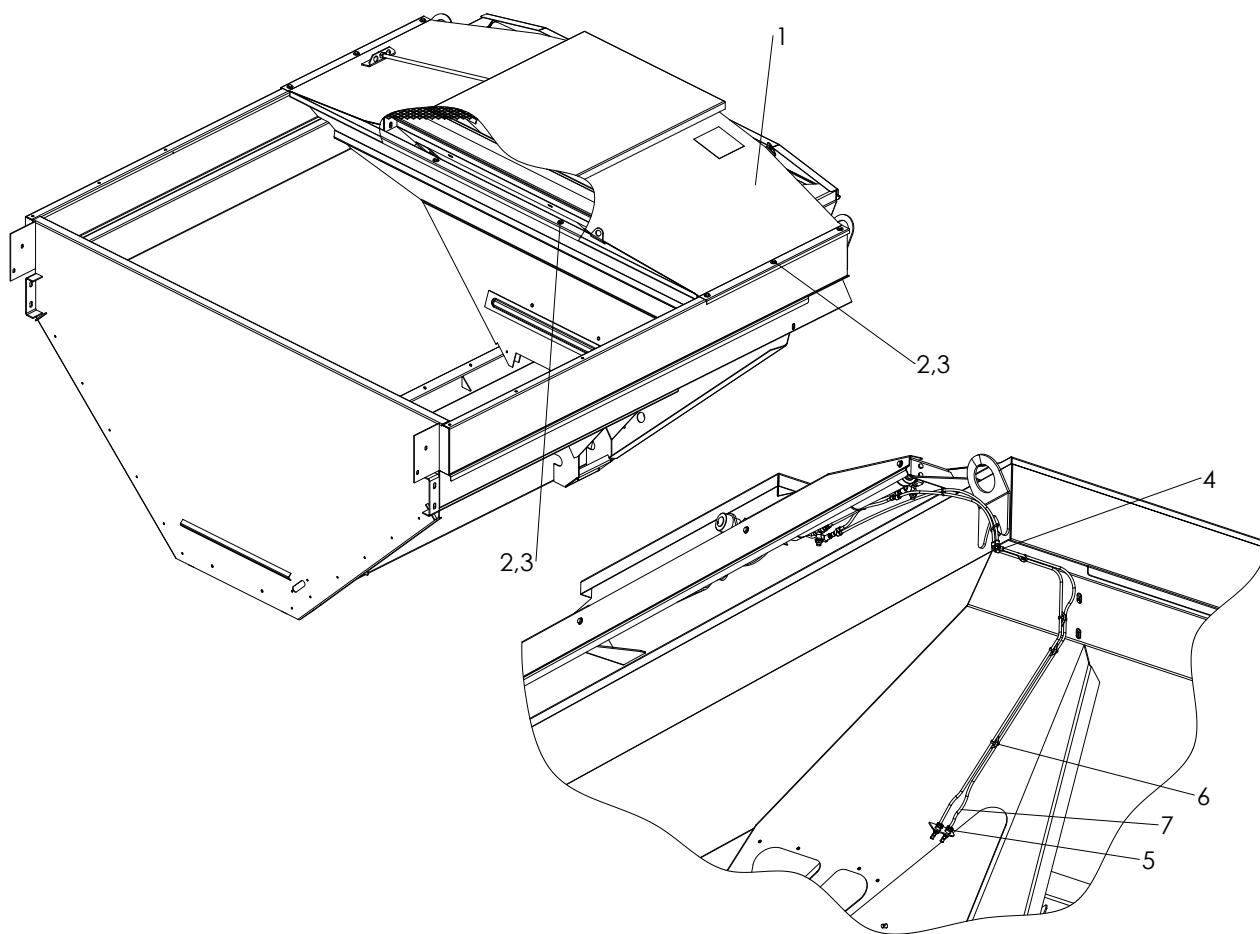
NEW LEADER

307074-AB-H
Page Rev. A

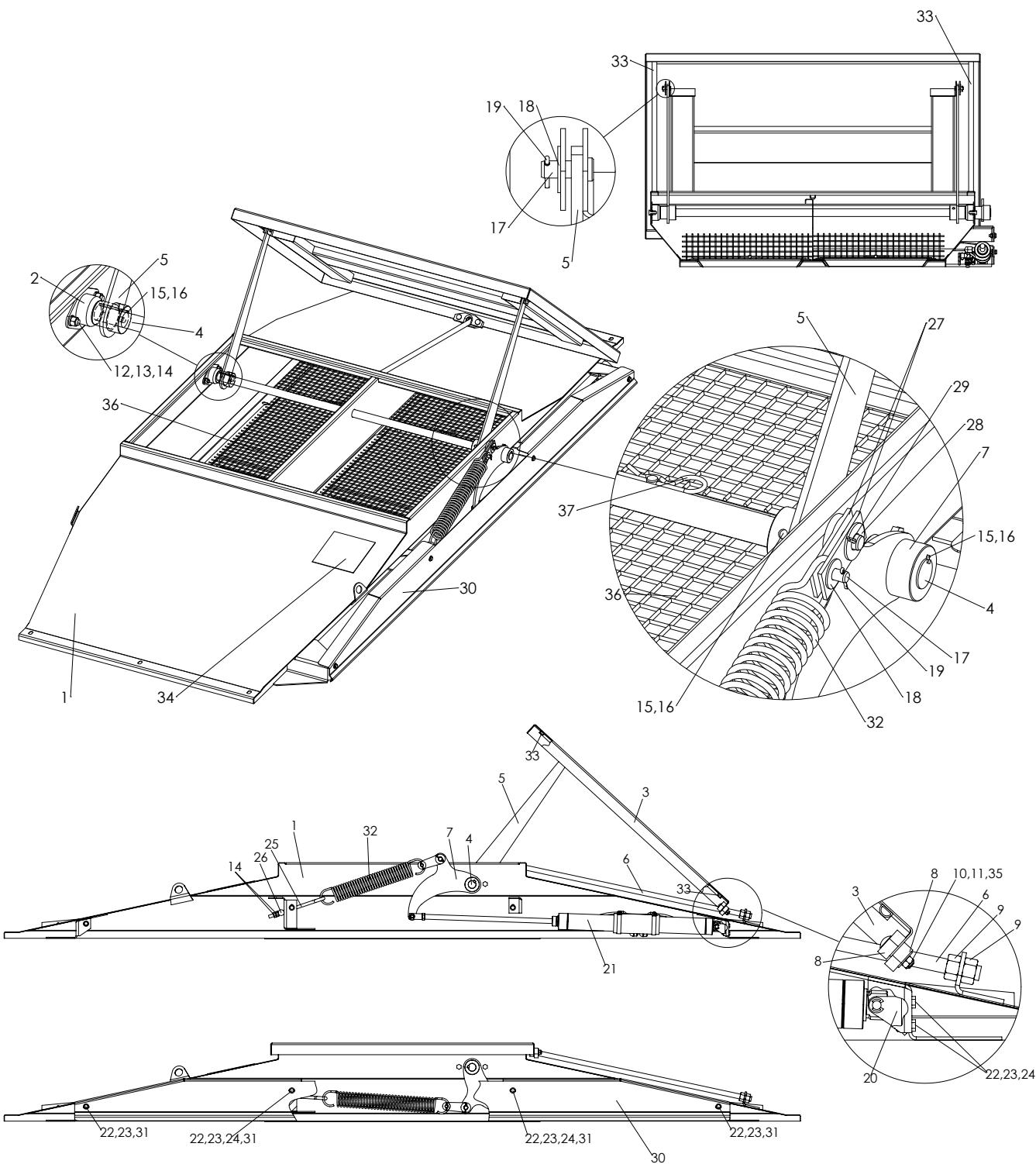


<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	306931	Screen - Weldment 304	AR
2	36293	Cap Screw - 3/8-16 x 3/4 SS	AR
3	36425	Washer - Flat 3/8 SS	AR
4	36420	Washer - Lock 3/8 SS	AR
5	72054	Nut - Lock 3/8 SS	2

COVER GROUP



<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	306629	Cover - Assembly MULTIBIN 304 (see next page)	1
2	36398	Cap Screw - 3/8 x 1 SS	10
3	36425	Washer - Flat 3/8 SS	10
4	306833	Fitting	2
5	306829	Fitting	2
6	99674	Wire - Tie	6
7	9005-0-7761	Tubing - 1/4 OD Airbrake Lock	11 ft.



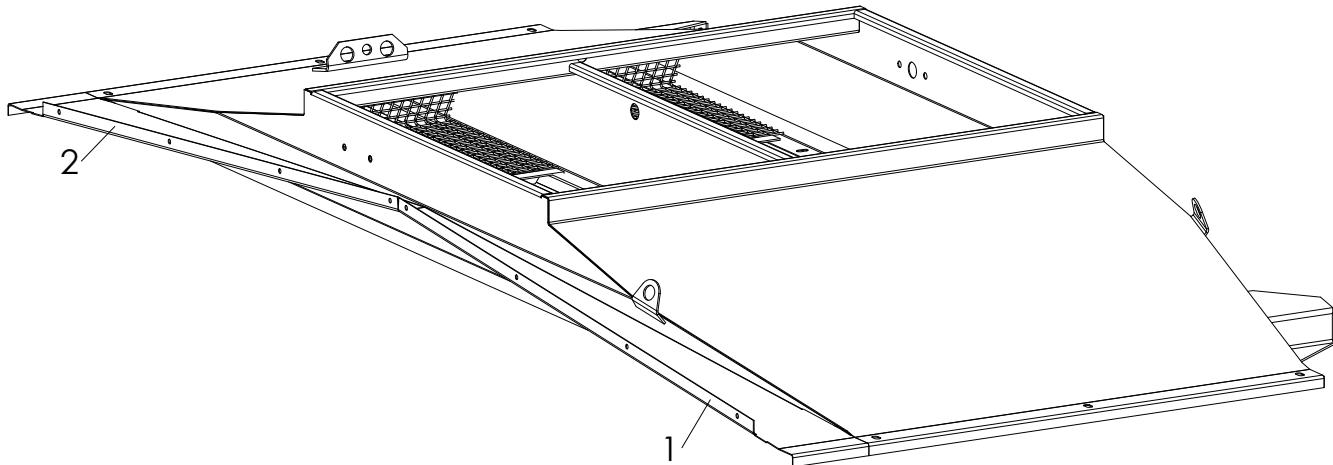
COVER ASSEMBLY CONTINUED

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	306629	Cover - Assembly	
1	306586	Cover - Weldment	1
2	306711	Bearing - Flange 1"	2
3	306597	Lid - Weldment 304	1
4	306710	Shaft - Pivot 304	1
5	306709	Link - Weldment 304	2
6	306607	Rod - Guide 304	1
7	306697	Pivot - Weldment 304	1
8	306809	Block - Guide	2
9	36417	Nut - Hex 5/8 SS	2
10	42221	Nut - Lock 5/16 SS	2
11	36424	Washer - Flat 5/16	2
12	36293	Cap Screw - 3/8 x 3/4 SS	4
13	36420	Washer - Lock 3/8 SS	4
14	36414	Nut - Hex 3/8 SS	5
15	2212	Key - Square 1/4 x 1-1/2	3
16	20742	Screw - Set 5/16 x 5/16	6
17	306816	Pin - Clevis	3
18	36425	Washer - Flat 3/8 SS	3
19	306817	Pin - Cotter	3
20	306811	Clevis - Base Cylinder SS	1
21	311034	Cylinder - Assembly	1
22	36393	Cap Screw - 1/4 x 3/4 SS	6
23	36418	Washer - Lock 1/4 SS	6
24	36412	Nut - Hex 1/4 SS	4
25	306814	Eyebolt - Wire 3/8 x 6 SS	1
26	306618	Pivot - 304	1
27	311040	Plate - Clevis Spring 304	2
28	36426	Washer - Flat 1/2 SS	1
29	36427	Pin - Cotter 1/8 x 1	1
30	306806	Guard - Rear 304	1
31	36423	Washer - Flat 1/4 SS	6
32	306813	Spring	1
33	306818	Seal - Rubber	12.25 ft.
34	55241	Decal - Danger Pinch Point	1
35	8804	Bolt - Carriage 5/16 x 1 SS	2
36	306870	Screen - Weldment 304	2
37	36429	Pin - Hair	4

Please Give Part No., Description
& Unit Serial No.

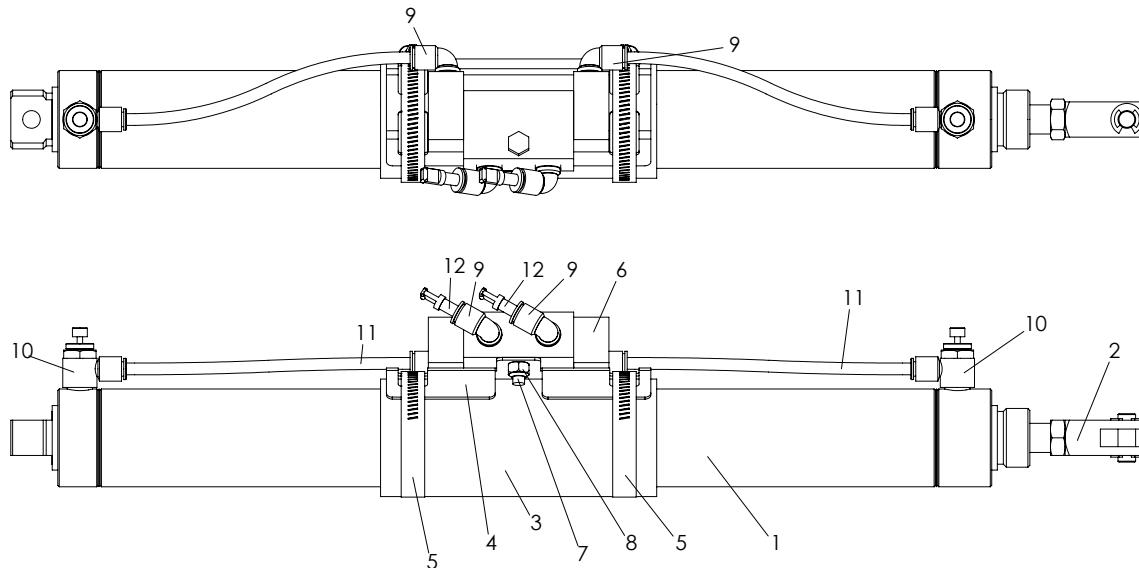
NEW LEADER

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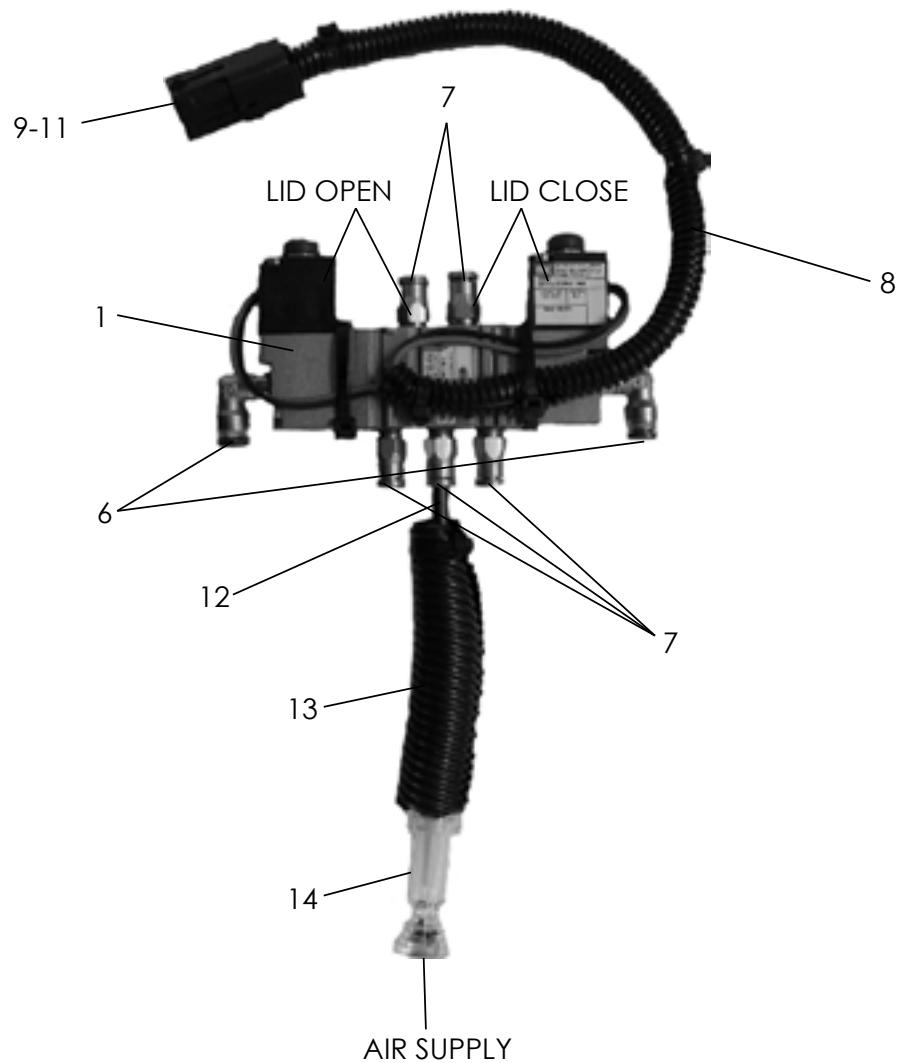
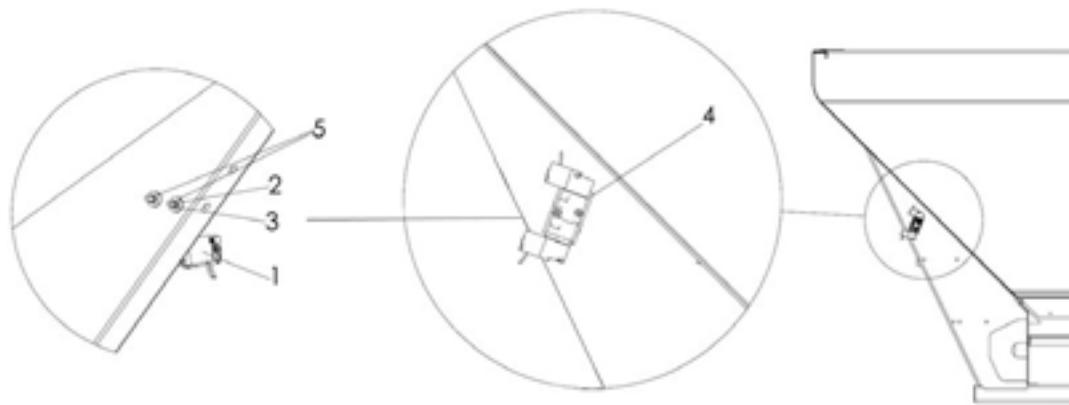


<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	306927-AA	Transition - Tarp LH 304	1
2	306927-AB	Transition - Tarp RH 304	1

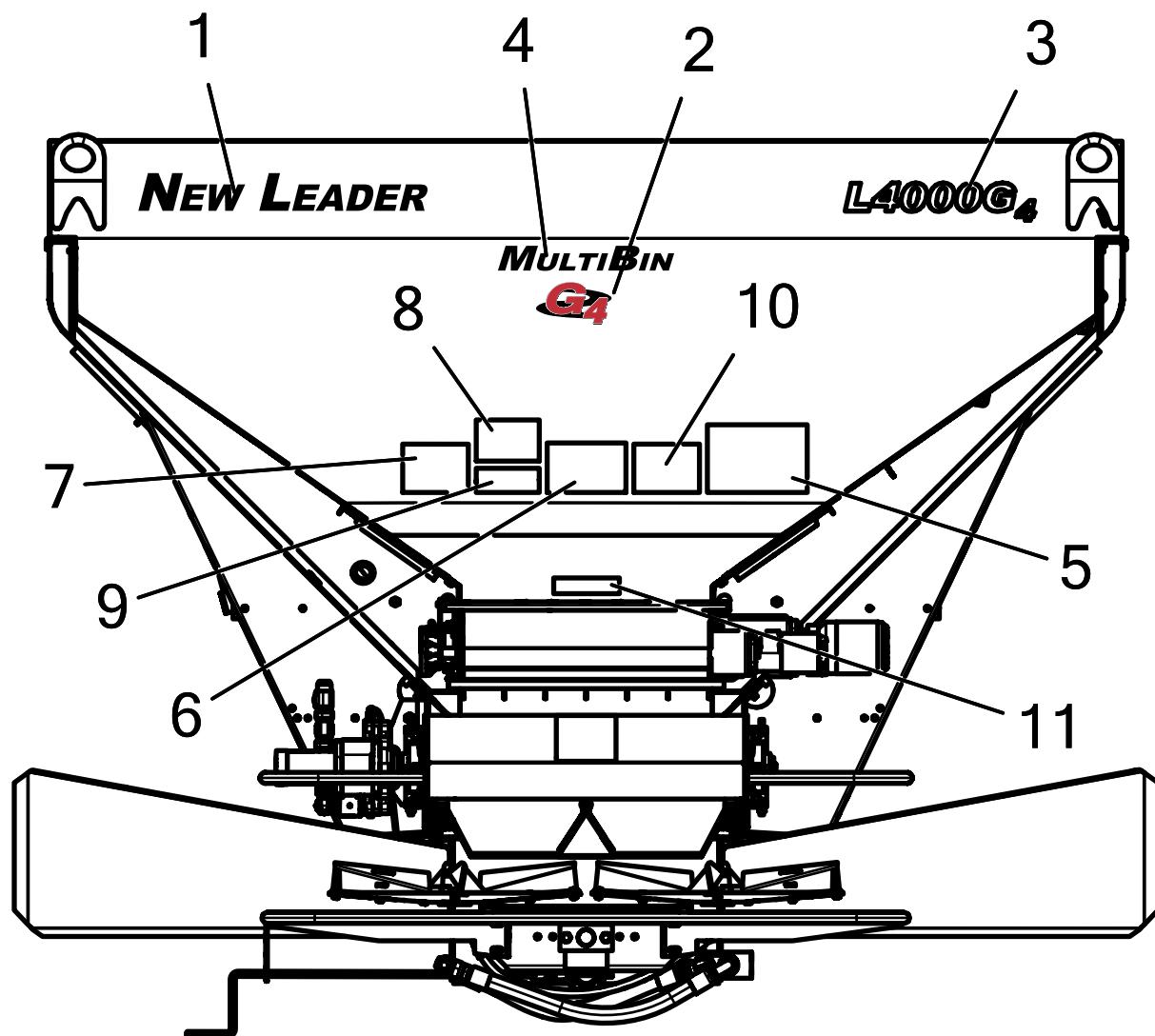
AIR CYLINDER - COVER



<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	311034	Cylinder Assy	
1	306810	Cylinder - Air 2 x 16 SS	1
2	306812	Clevis - Rod Cylinder SS	1
3	311038	Isolator - Tube	1
4	311037	Mount - Valve 304	1
5	308029	Clamp - Hose SAE 36 SS	2
6	311035	Valve - Dual Pilot Check	1
7	42448	Cap Screw - 1/4-20NC x 1-1/2 SS	1
8	42034	Nut - Lock 1/4-20NC SS	1
9	308222	Fitting - 4-4 630202K	4
10	311036	Valve - Speed Control	2
11	9005-0-7761	Tubing -1/4 OD Airbrake Black	1.33 ft.
12	306828	Fitting - 4 630101K	2

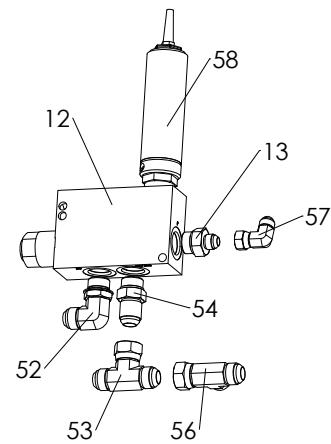
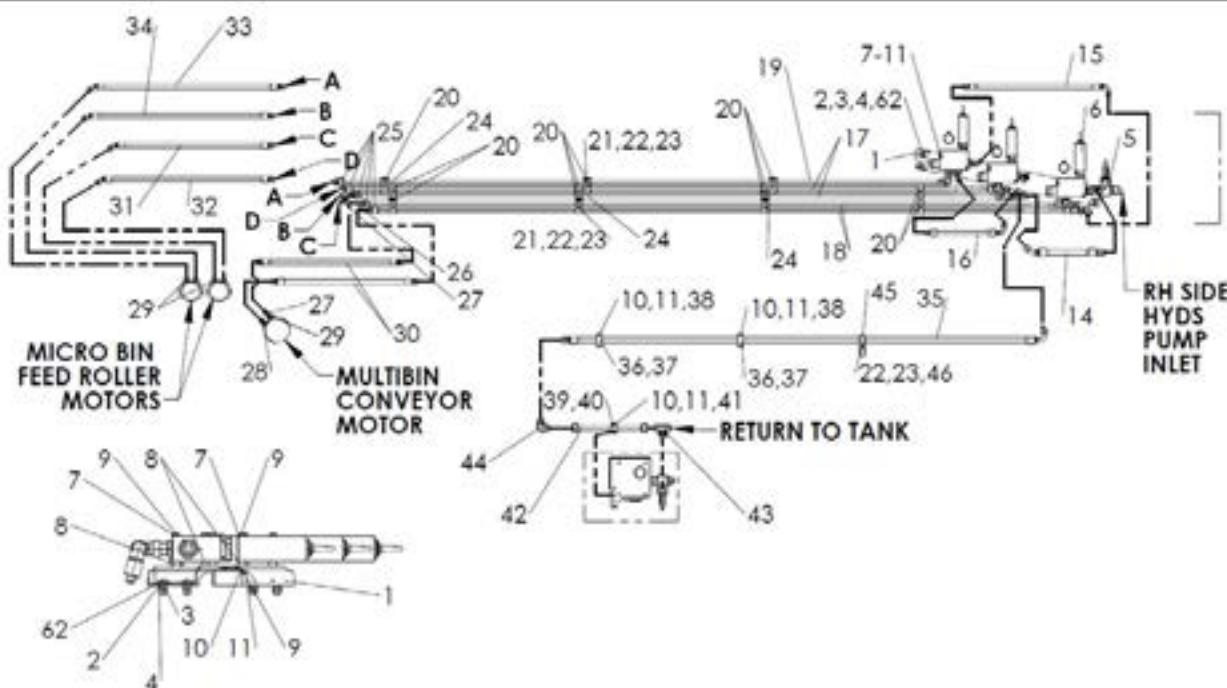


<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	307186	Valve - Assy includes 6-14	1
1	307185	Valve - Assy includes 8-11	1
2	307598	Screw - Truss Head #8-32NC x 2 SS	2
3	45168	Nut - Lock #9-32NC	2
4	307596	Spacer - Air Valve Mntg	1
5	307597	Washer - Step	2
6	307187	Fitting - 4-0 630220B	2
7	9005-0-7833	Fitting - 4-2 630102B	5
8	58728	Conduit - Flexible	.375 ft.
9	303730-BD	Connector - Male Sealed	1
10	303730-EC	Seal - Cable	4
11	303730-DC	Terminal - Male Sealed	4
12	9005-0-7761	Tubing - Air Brake	38 ft.
13	308219	Conduit - Flexible	.33 ft.
14	311039	Filter - In-Line	1

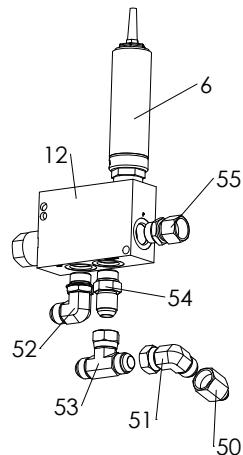


DECALS CONTINUED

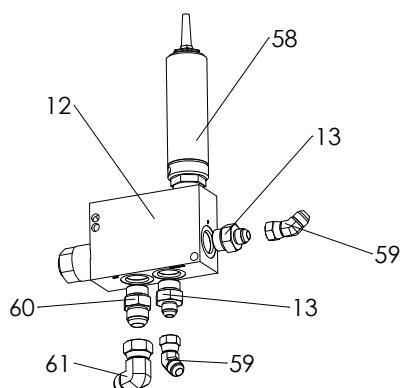
<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	312561	Decal - New Leader Black	1
2	87122	Decal - G4	1
3	306151	Decal - L4000G4	1
4	312971	Decal - MULTIBIN	1
5	368	Decal - Danger Flying Material	1
6	71526	Decal - Important Spread Pattern	1
7	21476	Decal - Important Chain Life	1
8	55631	Decal - Warning Moving Part Hazard	1
9	304206	Decal - Notice Do Not Spread Herbicide	1
10	321	Decal - Caution Hazardous Materials	1
11	39017	Decal - No Step	1



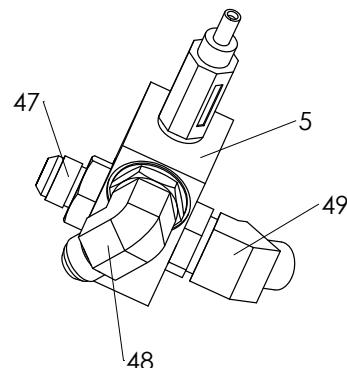
306647 - 5 GPM



306646 - 9 GPM



306648 - 5 GPM



306747 - RELIEF VALVE

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	306646	Valve - Sub-Assembly 9 GPM SFP, Includes 6, 12, 50-55	
	306647	Valve - Sub-Assembly 5 GPM-A SFP Includes 12-13, 52-58	
	306648	Valve - Sub-Assembly 5GPM-B SFP Includes 12-13, 58-61	
	306747	Valve - Relief Assembly 1500 PSI @ 40 GPM Soft Start, Includes 5, 47-49	
	306273	Valve - Control Assembly 5 GPM, Includes 12 & 58	
	306276	Valve - Control Assembly 9 GPM, Includes 6 & 12	
1	306638	Bracket - Valve Mounting	1
2	36398	Cap Screw - 3/8-16 x 1 SS	4
3	36420	Washer - Lock 3/8 SS	4
4	36414	Nut - Hex 3/8-16 SS	4
5	77498	Valve - Relief 1500 PSI	1
6	306277	Valve - Flow Control 9 GPM	1
7	302097	Washer - Step	4
8	302098	Washer - Step	4
9	56396	Cap Screw - 1/4-20 x 3-1/4 SS	4
10	36423	Washer - Flat 1/4 SS	10
11	42034	Nut - Lock 1/4-20 SS	10
12	306274	Manifold - 5-25 GPM SFP	2
13	34842	Fitting - 8-12 070120	2
14	306630	Hose - Return 3/4 x 15-3/4	1
15	80463	Hose - 1/2 100R1 x 39-3/4	1
16	74766	Hose - 1/2 100R1 x 16-3/8	1
17	306642-AA	Tube - 3/4OD x 119-7/16 304	2
	306642-AC	Tube - 3/4OD x 131-7/16 304	2
18	306642-AB	Tube - 3/4OD x 129-15/16 304	2
	306642-AD	Tube - 3/4OD x 141-15/16 304	2
19	306640-AA	Tube 1OD x 111-1/2 304	2
	306640-AB	Tube 1OD x 123-1/2 304	2
20	75036	Clamp - Tubing Twin 3/4	11
21	71830	Cap Screw - 5/16-18 x 2-1/2 SS	11
22	36424	Washer - Flat 5/16	9
23	42221	Nut - Lock 5/16-18 SS	12
24	306639	Bracket - Twin Clamp	3

* - Not Shown

HYDRAULICS CONTINUED

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
25	306743	Fitting - 12-8 070101S 304	5
26	306744	Fitting - 8-8-8 070432S 304	1
27	306742	Fitting - 8-8 070221S 304	2
28	306741	Fitting - 8-10 070220S 304	1
29	306740	Fitting - 8-10 070120S 304	5
30	306691	Hose - 1/2 100R1 x 30 SS	2
31	306692	Hose - 1/2 100R1 x 33-51/64 SS	1
32	306695	Hose - 1/2 100R1 x 36-13/32 SS	1
33	306693	Hose - 1/2 100R1 x 40 SS	1
34	306694	Hose - 1/2 100R1 x 39 SS	1
35	306748	Hose - Return 3/4 x 99	1
36	96926	Clamp - Pair 1-1/4 Tube	2
37	96925	Plate - Top 1-1/4 Tube	2
38	36396	Cap Screw - 1/4 x 3 SS	4
39	86557	Clamp - Tube 1"	1
40	86556	Plate - Cover Hydraulic Tube Clamp	1
41	34865	Cap Screw - 1/4-20 x 2-1/4	2
42	302436	Tube - 1OD x 14-3/4 304	1
43	34750	Fitting - 16-16-16 070429	1
44	29783	Fitting - 16-16 070201	1
45	305928	Clamp - Tubing Twin 1-1/4	1
46	306030	Cap Screw - 5/16-18 x 3-1/4 SS	1
47	29835	Fitting - 12-16 070120	1
48	29829	Fitting - 12-16 070220	1
49	56269	Fitting - 12-16 070320	1
50	56406	Fitting - 12-8 070123	1
51	34709	Fitting - 12-12 070221	1
52	29847	Fitting - 12-12 070220	2
53	29809	Fitting - 12-12-12 070433	2
54	303226	Fitting - 12-12 Special STR.	2
55	29788	Fitting - 12-12 S1040-30 Non Standard	1
56	29781	Fitting - 12-12-12 070432	1
57	34803	Fitting - 8-8 070221	1
58	306275	Valve - Flow Control 5	2
59	34805	Fitting - 8-8 070321	2

* - Not Shown

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QTY</u>
60	29789	Fitting - 12-12 070120	1
61	34709	Fitting - 12-12 070221	1
62	36425	Washer - Flat 3/8 SS	4
63	*306771	Compound - Antisieze Torque Tight A/G Stainless Steel	AR

* - Not Shown

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