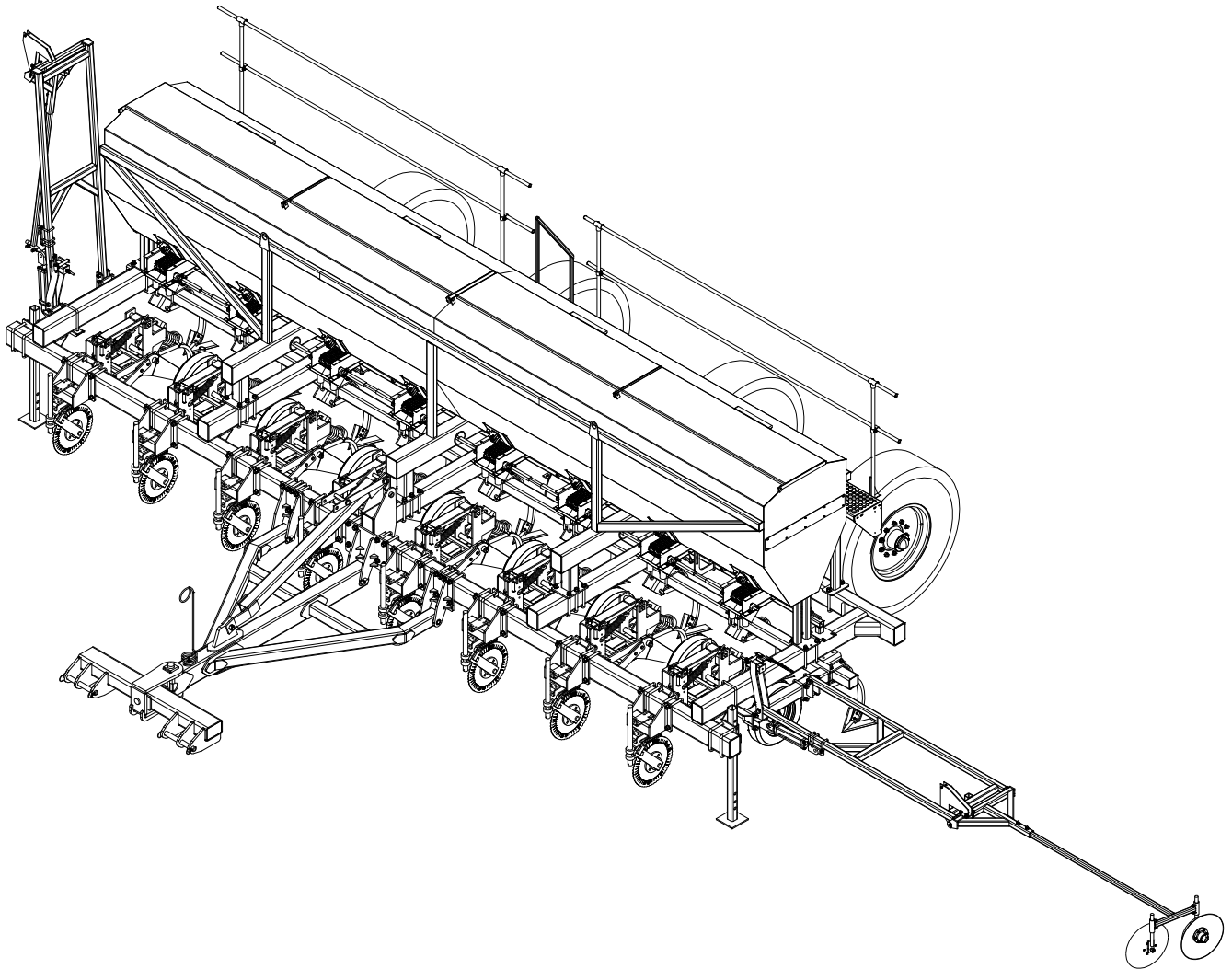


Harriston

INDUSTRIES



Row Marker Parts Book 2019

NOTES:

Table of Contents

Row Marker Row Unit Assembly	6
Row Unit Gauge Wheel Assembly.....	8
17” Coulter Disc Package	10
Flexicoil Shank Package	10
Tire Scraper Package	12
Dual Disc Package	12
Guide Cone Package	12
8 Row Bi-Fold Marker	14
Row Marker Hitch	16
Row Marker Frame / Tank	18
Fertilizer Feedbox Assembly	20
Fertilizer Adjustment Door Assembly	20
Fertilizer Drive Assembly	22
Rear Platform Assembly	24
Walking Beam Package.....	26
Rear Steer Package	28
Rear Steer Axle	30
Rear Steer Hydraulics.....	32
Rear Lift with Rear Steer Hydraulic System	34
10” Single Fill Auger.....	36
10” Dual Fill Auger.....	36

PARTS

This manual contains a parts list for your machine.

WHEN ORDERING PARTS

Always give your dealer the Model and Serial Number of your machine to assist him in ordering and obtaining the correct parts. Use the exploded view and tabular listing of the area of interest to exactly identify the required part.

USING THE MANUAL

Parts data consists of exploded view illustrations and associated parts list tables, which are read as follows:

- **REFERENCE NUMBER**

The Reference Number is the identifier number from the illustration. For example, Number 3 on an illustration points to a component which is item 3 on the accompanying table. The abbreviation NS means the item is not shown in the illustration.

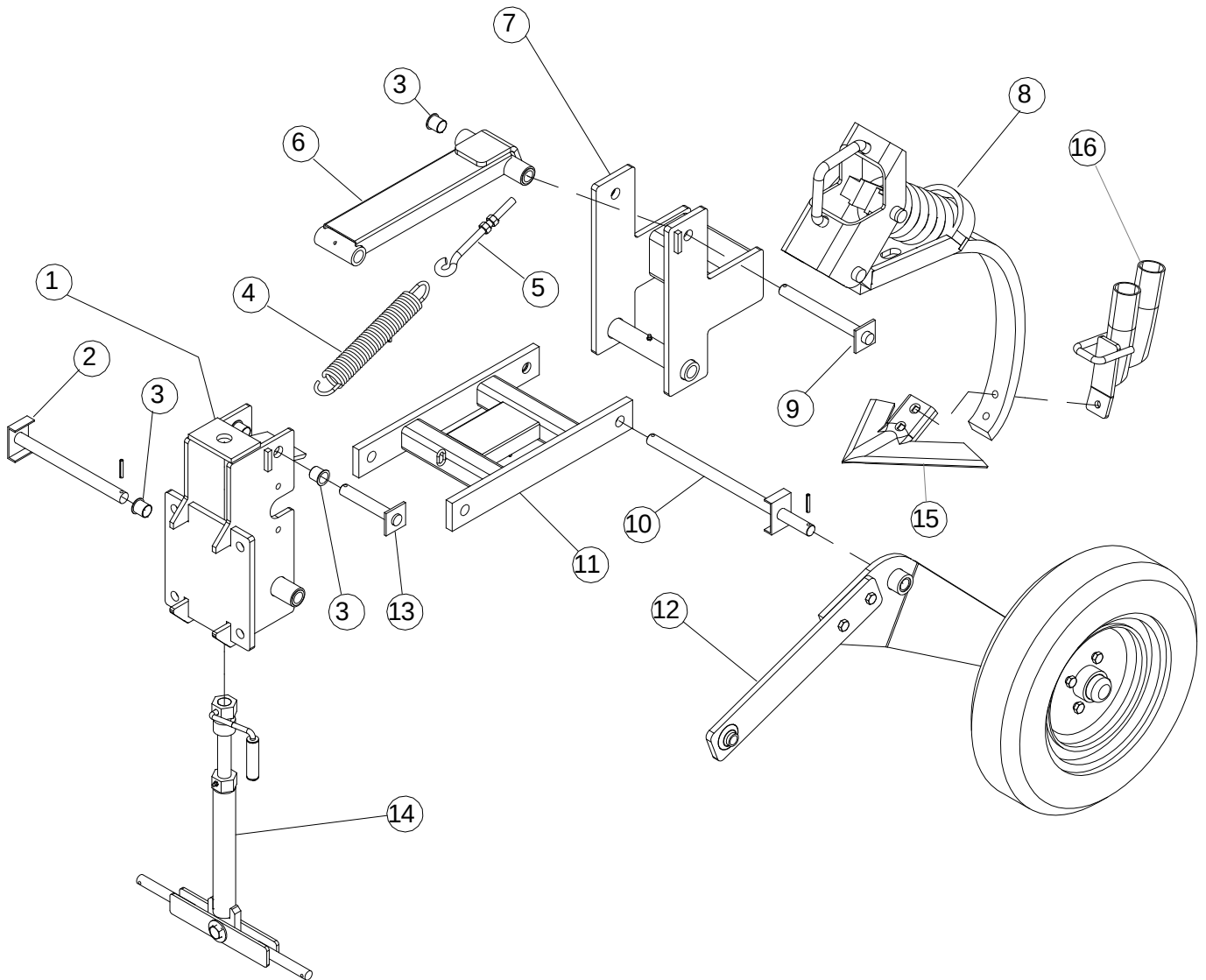
- **PART NUMBER**

The Part Number is the number by which the component may be identified and ordered from Harriston Industries and its network of dealers

- **DESCRIPTION**

This column contains the name and description of the part.

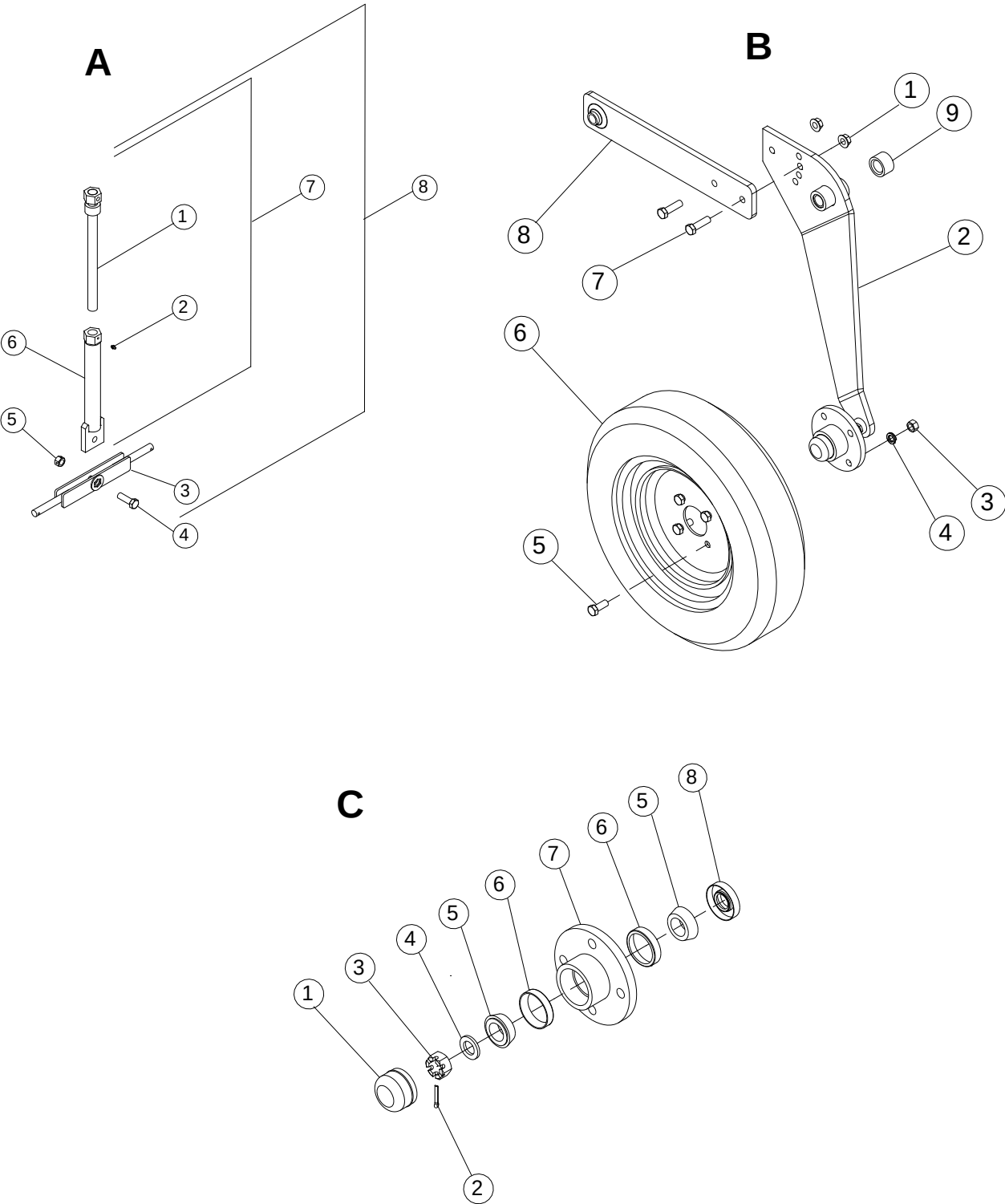
#361140 – Row Marker Row Unit Assembly



#361140 – Row Unit Assembly

Ref.	Part No.	Description
1	361142	Front Linkage Weldment
2	200230	Lower Linkage Pin
3	090167	Bushing, 1" OD x 7/8" ID
4	300600	Harrow Spring
5	300700	Eyebolt, ½ x 8"
6	361148	Upper Linkage Weldment
7	361138	Rear Linkage Weldment
8	097040	Flexicoil Shank Assembly 350
9	352975	Top Rear Linkage Pin
10	200240	Lower Linkage Pivot Pin
11	352960	Bottom Linkage Weldment
12	351980	Depth Adjustment Arm LH w/o Wheel
NS	351985	Depth Adjustment Arm RH w/o Wheel
13	352955	Front Upper Linkage Pin
14	402520/351228	Depth Adjustment Screw Assembly
15	090150	Shovel, 12" Flexicoil (Optional)
16	364129	Hose Holder, Flexicoil

Row Unit Gauge Wheel Assembly



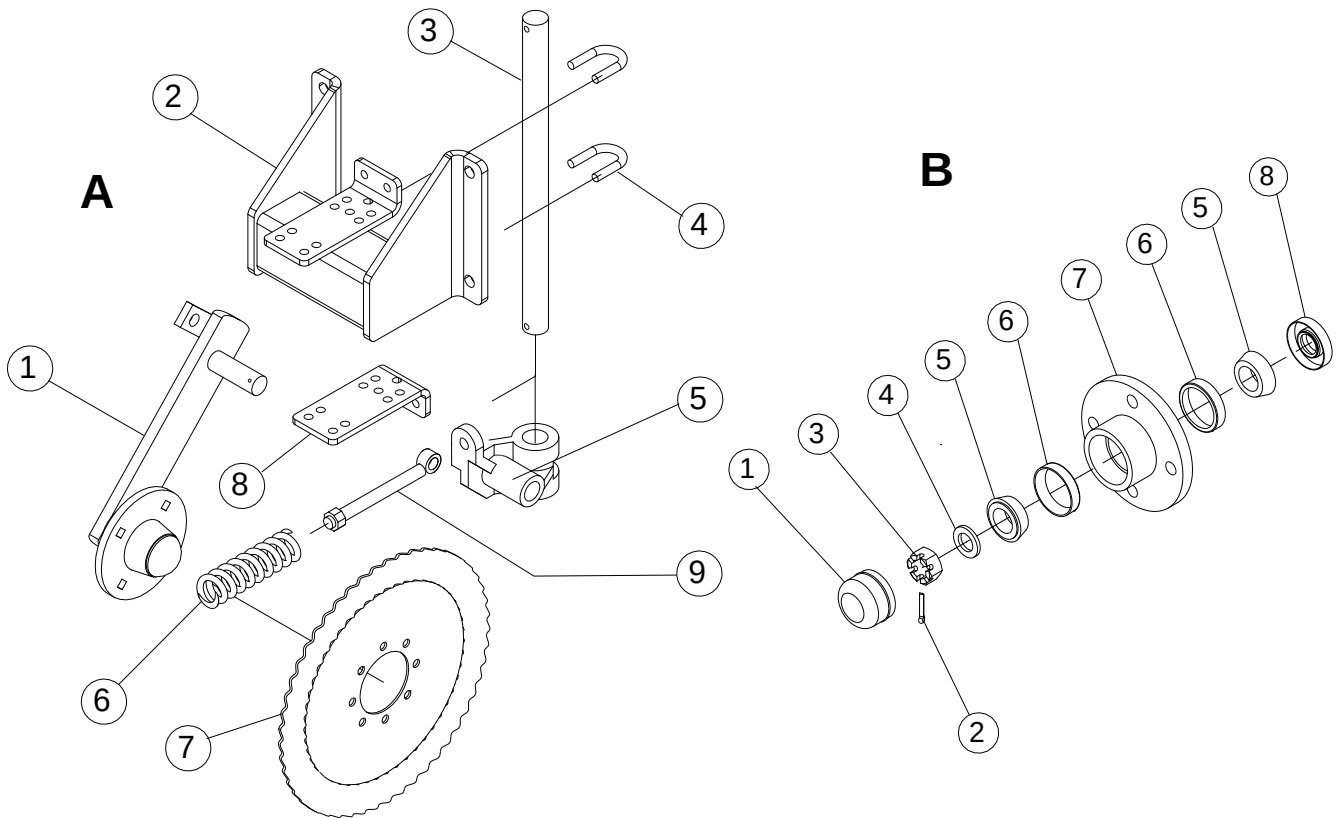
Row Unit Gauge Wheel Assembly

Ref.	Part No.	Description	
1	270295	Adjusting Screw with Nut 15" Long	A
2	095036	1/4"-28 Straight Zerk	
3	351228	Pivot Weldment 2002	
4	020065	5/8" X 2" NC Gr. 5 Bolt	
5	020427	5/8" Self-Lock Nut	
6	351225	Upright Tube	
7	402520	Gauge Wheel Adjusting Screw Assembly	
8	351245	Gauge Wheel Adjusting Screw Assembly with Pivot Weldment	

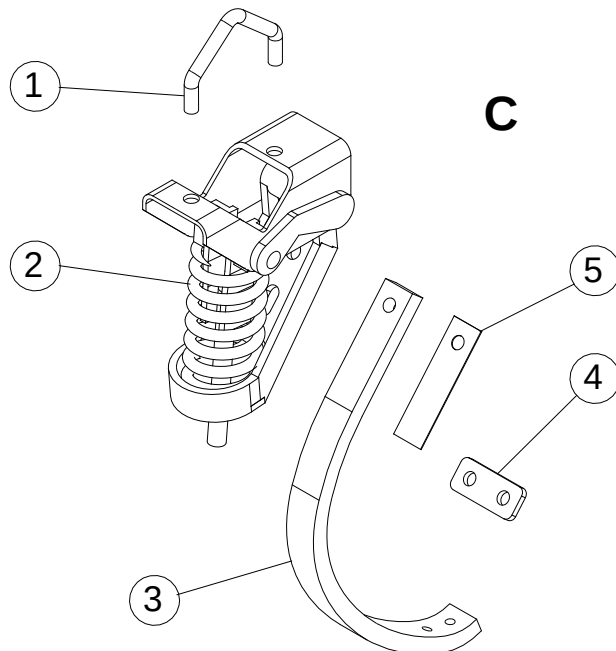
Ref.	Part No.	Description	
1	020505	1/2" Flange Nut	B
2	351990	Adjustable Depth Wheel Left	
NS	351995	Adjustable Depth Wheel Right	
NS	200435	Bushing, 1-1/8 x 7/8" x 2-1/4" Long	
NS	351970	Weldment- Depth Wheel Arm Left	
NS	351975	Weldment- Depth Wheel Arm Right	
3	020405	Nut, 1/2" NF	
4	020504	1/2" Lock Washer	
5	021400	WB 10 Wheel Bolt	
6	096227	Tire, Rim Assembly 4.8 x 8 (Option)	
NS	097042	Tire, Rim Assembly 4.8 x 12 (Option)	
7	020152	1/2" x 1-3/4" NC Gr. 5 Bolt	
8	351302	Adjustable Depth Wheel Side Flat	
9	390141	Spacer, Gauge Wheel	

Ref.	Part No.	Description	
1	096204	Dust Cap, DC-11 (1.980)	C
2	020827	Cotter Pin, 5/32" x 1"	
3	020490	Nut, 3/4" NF Slotted Plain	
4	021314	Bushing, 0.75" Narrow 10 Ga	
5	082166	Bearing Cone L44643	
6	082165	Bearing Cup LM44610	
7	357625	Fertilizer Disc Hub with Cup 2001	
8	096203	Oil Seal, 471750 (1-1/4 Shaft)	

#90120 -- 17" Coulter Disc Package



Flexicoil Shank Package



#90120 – 17” Coulter Disc Package

Ref. Part No.	Description	A
1 097491	Coulter Shank w/ Spindle	
2 364124	Coulter Mount	
3 097492	Shank, Coulter Mount	
4 097493	U-bolt, Coulter	
5 097494	Pivot Casting, Coulter	
6 097495	Spring, Coulter	
7 097496	Coulter Disc, 17”	
8 097497	Mount, Coulter Bar	
9 097498	Adjuster, Coulter Tension	

Coulter Hub Assembly

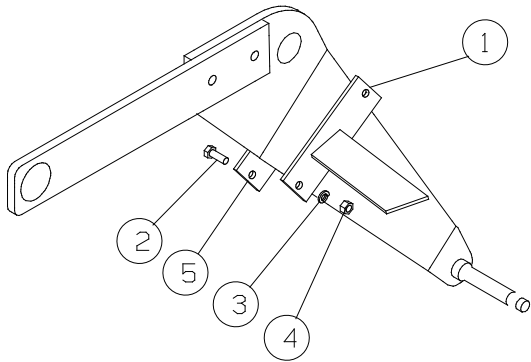
Ref. Part No.	Description	B
1 090015	Dust Cap	
2 020557	Cotter Pin, 1/8 x 3/4	
3 020528	Castle Nut, 5/8”-18	
4 021408	Washer, 5/8” (1/4” thick)	
5 095020	Bearing Cone, LM 67048	
6 095069	Bearing Cup, LM67010	
7 097499	Coulter Hub w/ Races	
8 095115	Seal, Double Lip	

#97040 – Flexicoil Shank Package

Ref. Part No.	Description	C
1 097486	V-Bolt	
2 097487	Shank Mount Assembly, 350 lb	
3 097488	Shank	
4 097489	Shank Mounting Bracket	
5 097490	Shim Kit	

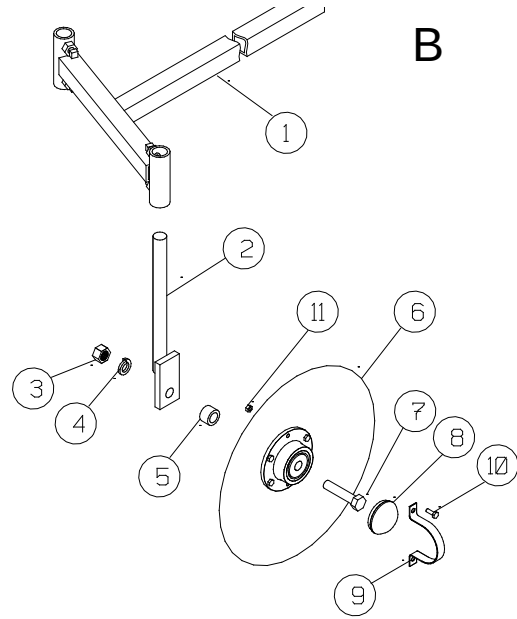
Tire Scraper Package

A



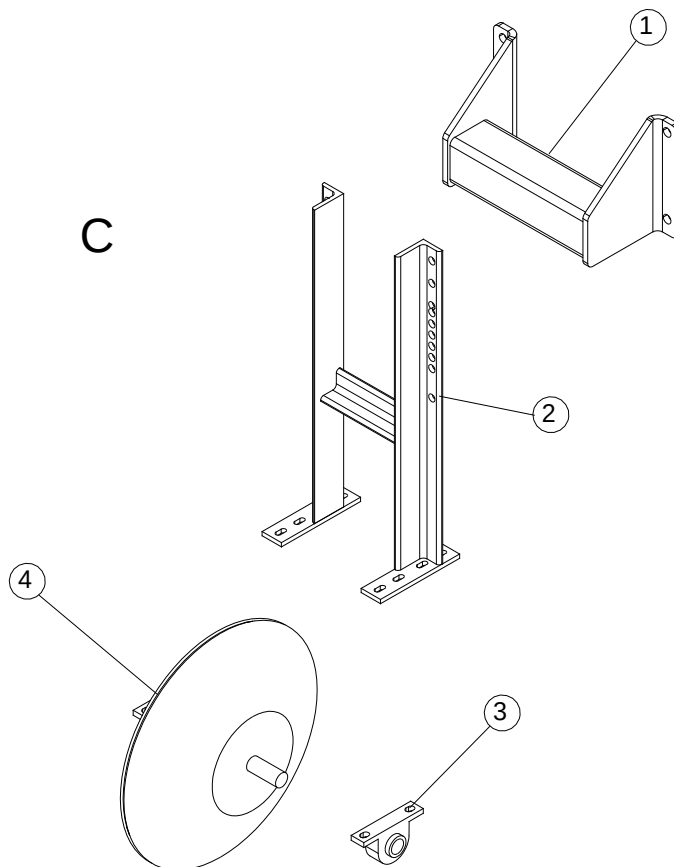
Dual Disc Package

B



Guide Cone Package

C



#351365 – Tire Scraper Package

Ref. Part No.	Description	
1 351370	Tire Scraper Weldment Left	A
351375	Tire Scraper Weldment Right	
2 020119	Bolt, 3/8" X 1 3/4"	
3 020502	Washer, 3/8" Lock	
4 020402	Nut, 3/8"	
5 351373	Tire Scraper Mount Plate	

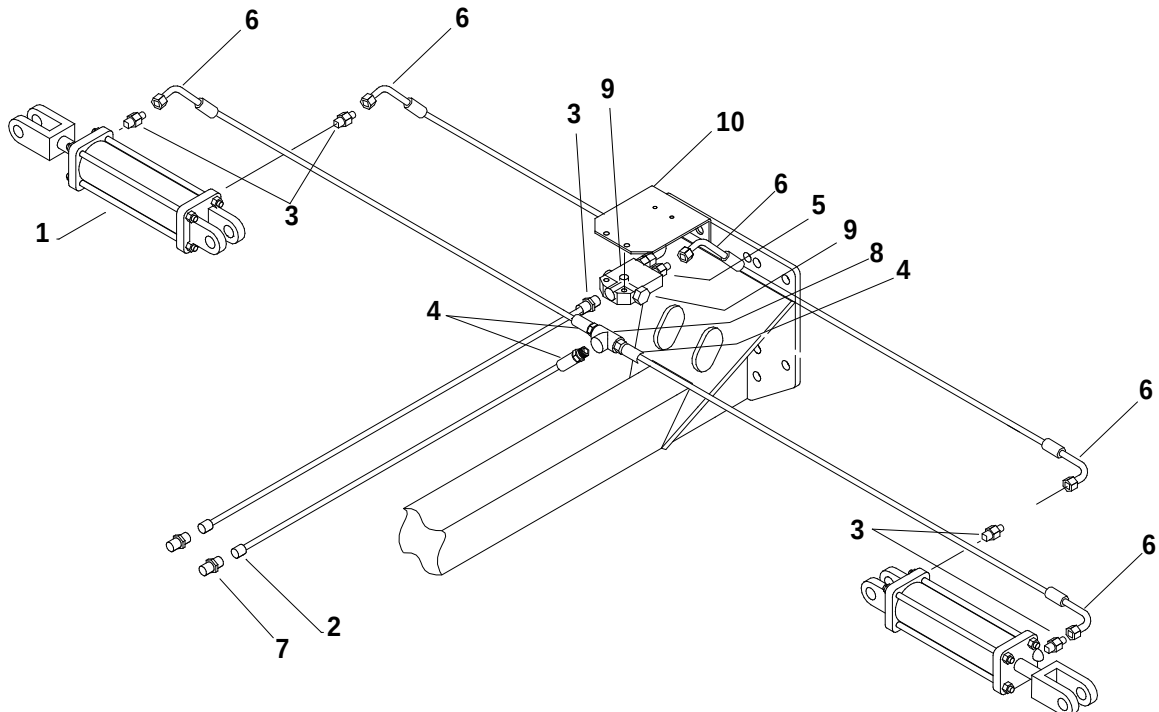
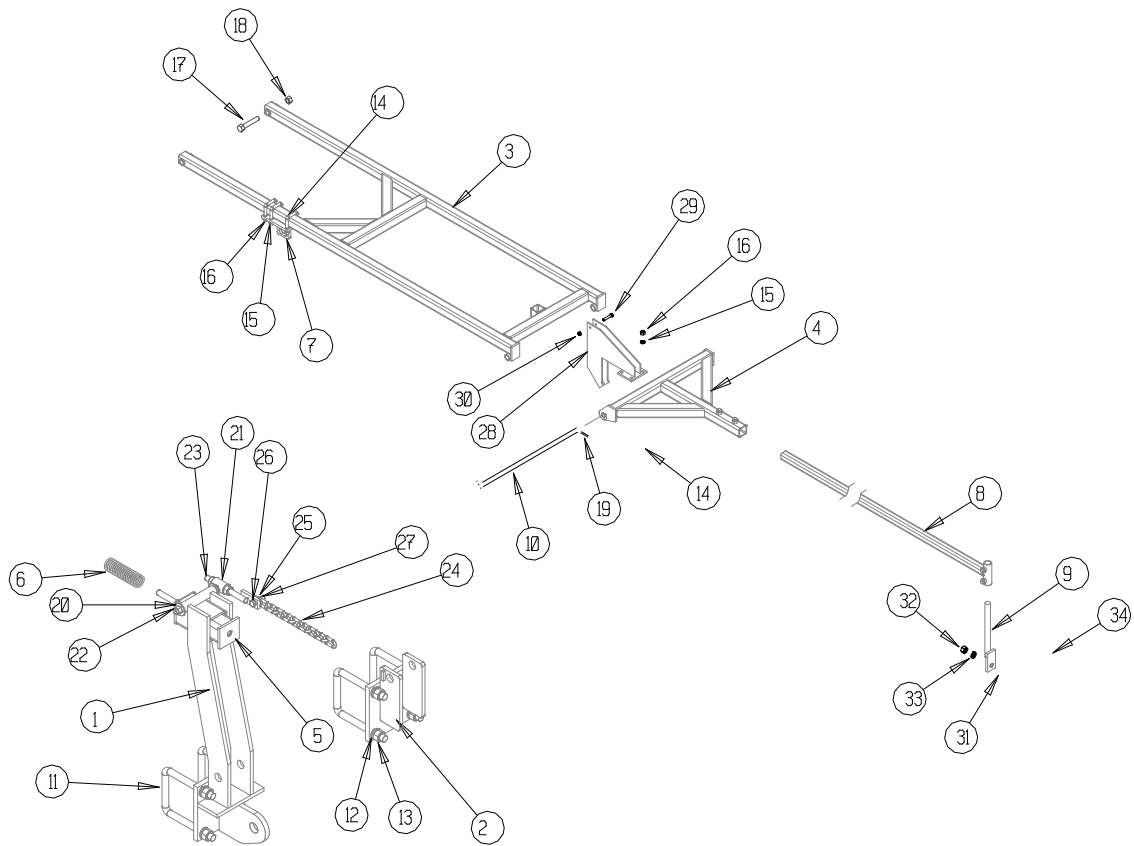
#368200 – Dual Disc Package (one behind one)

Ref. Part No.	Description	
1 368260	Double Disc Marker Weldment	B
2 356440	Marker Disc Mount	
3 020407	Nut, 3/4"	
4 020507	Lock Washer, 3/4"	
5 211661	Disc Bushing	
6 211860	Disc with Bearing	
7 020084	Bolt, 3/4" X 3"	
8 211835	Dust Cap (Hiller)	
9 211836	Dust Cap Strap	
10 020131	Bolt, 1/4" X 7/8"	
11 020421	Nut, 1/4" Center Lock	

Guide Cone Package

Ref. Part No.	Description	
1 361123	Guide Cone Mount, Row Marker Rear	C
2 224100	Guide Cone Mount	
3 094040	Bearing, 1-1/4" Pillow Block	
4 224520	Guide Cone w/ 1-1/4" Shaft	

#3591 - 8 Row Bi-Fold Marker

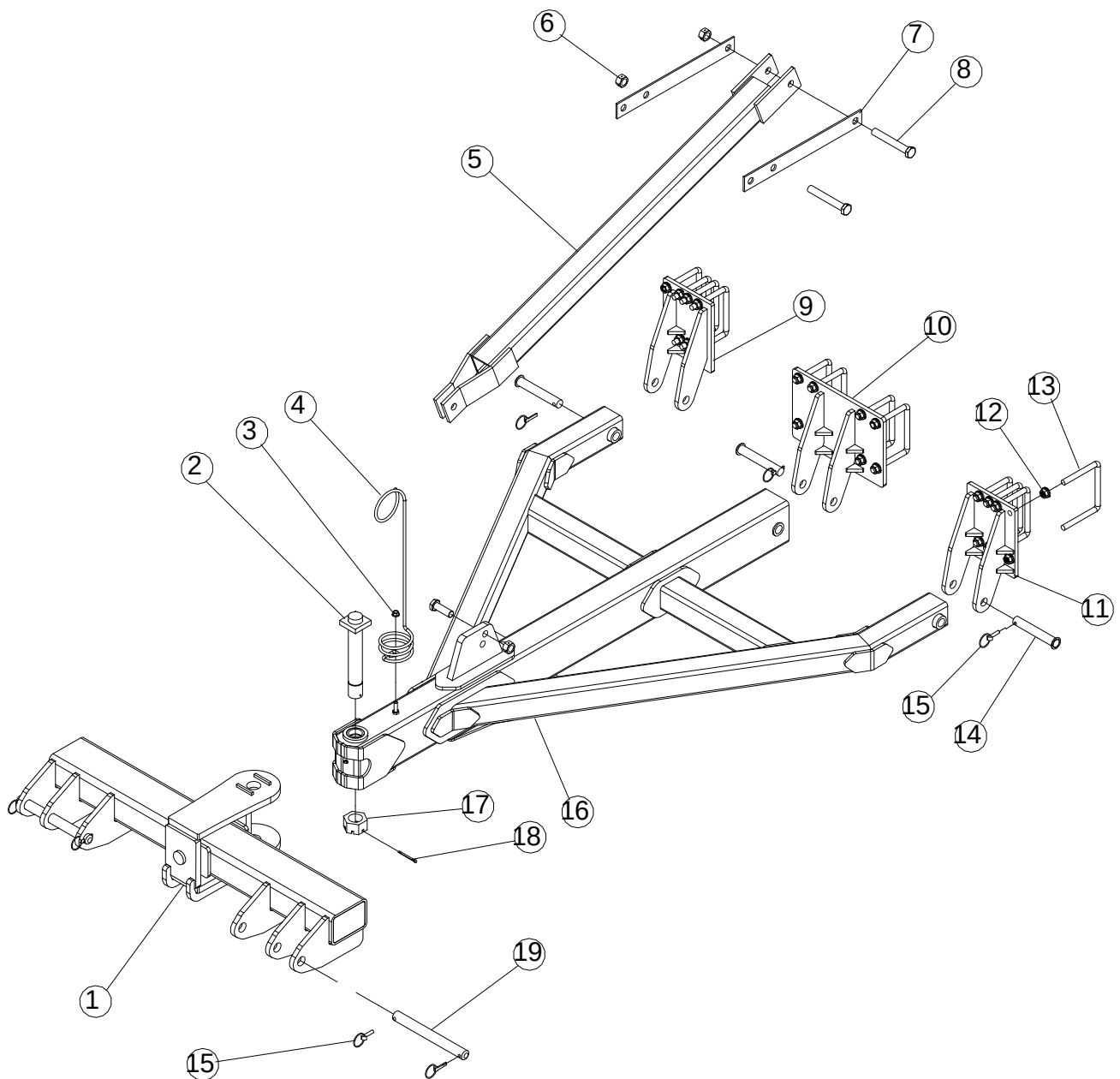


#3591 - 8-Row Bi-Fold Marker Package for Planter

Ref.	Part No.	Description
1	380240	8 Row Upright Weldment Long
2	380270	8 Row Upright Weldment Short
3	380180	8 Row Inner Frame Weldment
	380181	6 Row Inner Frame Weldment
4	380280	Bi-Fold Outer Frame Weldment
5	380255	Inner Slide Tube Weldment
6	094016	C-892 Spring - Bi-Fold Marker
7	356160	8 Row Marker Cylinder Mount
8	356420	Marker Extension Arm (Long)
9	356440	Marker Disc Mount
10	368115	Bi-Fold Pivot Pin Weldment
11	021009	5/8" X 4" X 5 1/2" U-Bolt
12	020506	5/8" Lock Washer
13	020406	5/8" NC Nut
14	021000	1/2" X 2" X 3" U-Bolt
15	020504	1/2" Lock Washer
16	020404	1/2" Nut
17	020086	3/4" X 4" NC Gr. 5 Bolt
18	020428	3/4" Center Lock Nut
19	020967	1/4" X 2" Spring Lock Pin Plain
20	020514	7/16" Flat Washer
21	380250	Marker Pivot Weldment
22	020424	7/16" Center Lock Nut
23	380265	Chain Adjustment Weldment
24	368105	Bi-Fold Marker Chain
25	020513	3/8" Flat Washer
26	020120	3/8" x 1-1/4" NC Grade 5 Bolt
27	020402	3/8" Hex Nut
28	380260	8 Row Cam Weldment
29	020031	3/8" x 2" Grade 5 Bolt
30	020423	3/8" Center Lock Nut
31	211663	3/8" Bushing Spacer
32	020407	3/4" NC Nut
33	020507	3/4" Lock Washer
34	211845	Disc with Hub (Double Bearing)
NS	361130	Frame Mount, Row Marker

Ref.	Part No.	Description
1	095171	2" x 8" 3/4" ORB Port Cylinder
2	083006	Hose End 04-08 MB
3	095167	#8 (3/4") ORB x #6 (9/16") JIC Adapter
4	095168	Hose End- 04-06FJX
5	083029	Restrictor 06MJ-08MB
6	095317	Hose End- 04-06FJX 90°
7	096289	Male Tip 3/4" ORB Pioneer End
8	095160	#6 (9/16") JIC Tee
9	096048	Sequence Valve
10	355111	Mount- Sequence Valve

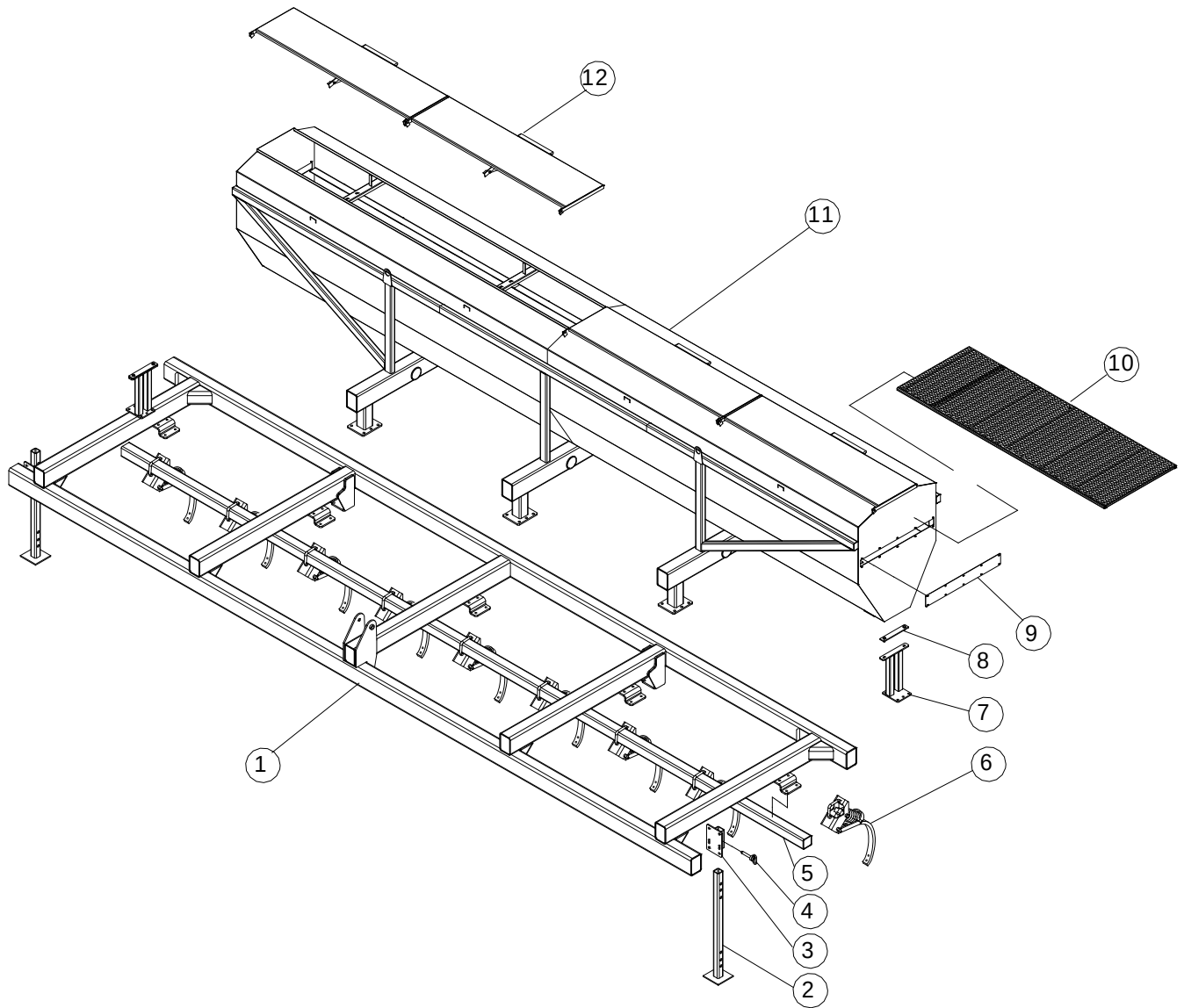
Row Marker Hitch



Row Marker Hitch

Ref.	Part No.	Description
1	402458	2 Point Swivel Bar Weldment
2	354140	2 Point Pivot Pin
3	020505	Flange Nut, 1/2"
4	355620	Hose Support
5	352060	Hitch Brace Arm
6	020430	Center Lock Nut, 1"
7	353810	Pole Lock Up Flat
8	020108	Bolt, 1x7"
9	364127	Hitch Mount, Right
10	364125	Hitch Mount, Center
11	364126	Hitch Mount, Left
12	020477	Flange Nut, 3/4"
13	021018	U-Bolt, 3/4x7x6-1/2
14	354085	Hitch Pin, 1-1/4"
15	095032	Lynch Pin, 7/16"
16	400575	Hitch, Pole Type Heavy Duty
17	354142	Slotted Nut, 2" NF
18	020829	Cotter Pin, 1/4x3
19	42029-00	Pin, Headless

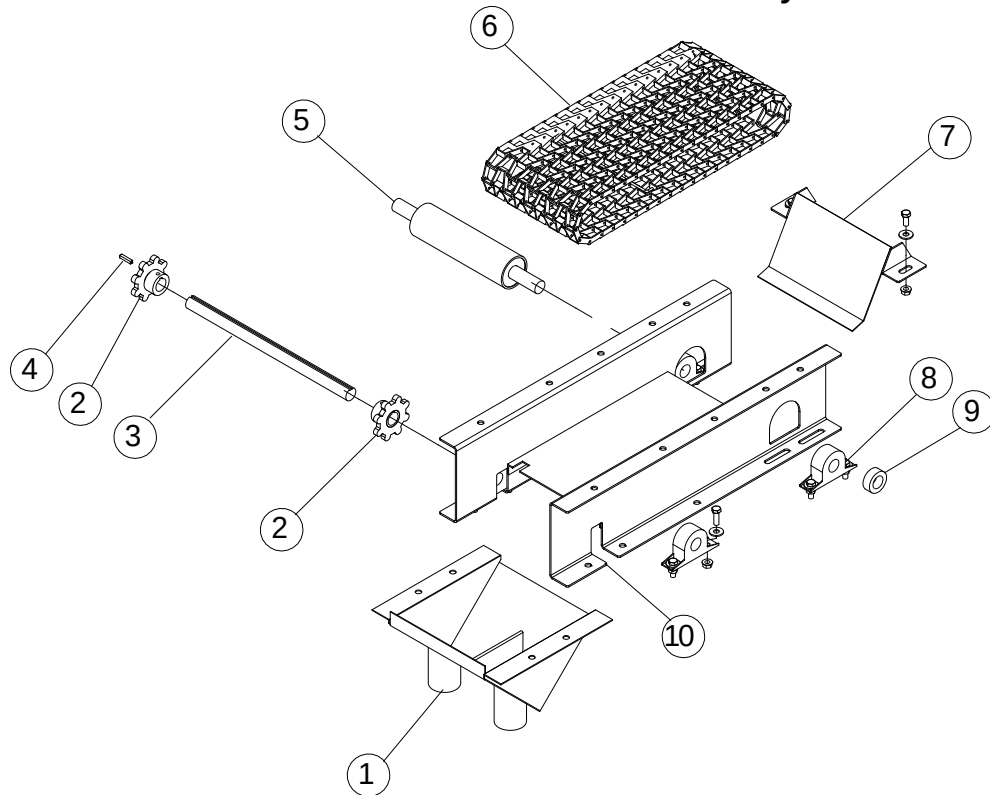
Row Marker Frame / Tank



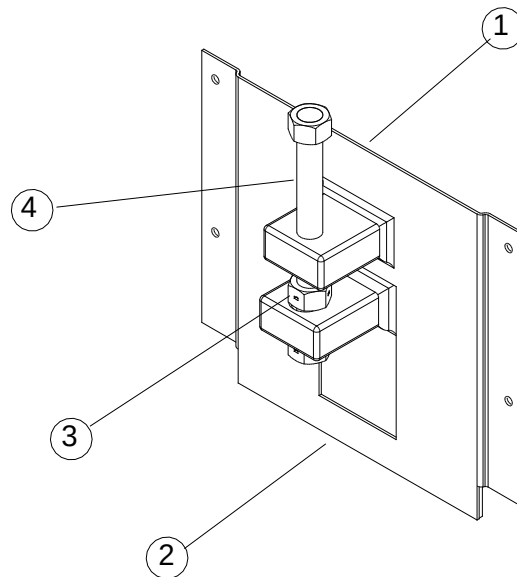
Row Marker Frame / Tank

Ref.	Part No.	Description
1	361100	Frame, (8 Row) Row Marker
2	356525	Parking Stand
3	361135	Parking Stand Mount
4	084218	Hitch Pin, ¾ x 4"
5	361122	Toolbar, Row Marker Shank
6	097040	Flexicoil Shank Assembly, 350 lb
7	364124	Tank Support Weldment
8	361120	Tank Support Strap
9	364954	Cover, Fertilizer Grate
10	361154	Fertilizer Tank Grate Weldment
11	361150	Row Marker Fertilizer Tank (8 Row) Stainless
12	368365	Tank Lid Package, Stainless (2 Lids)

#368495 – Fertilizer Feedbox Assembly



#422315 – Fertilizer Adjustment Door Assembly



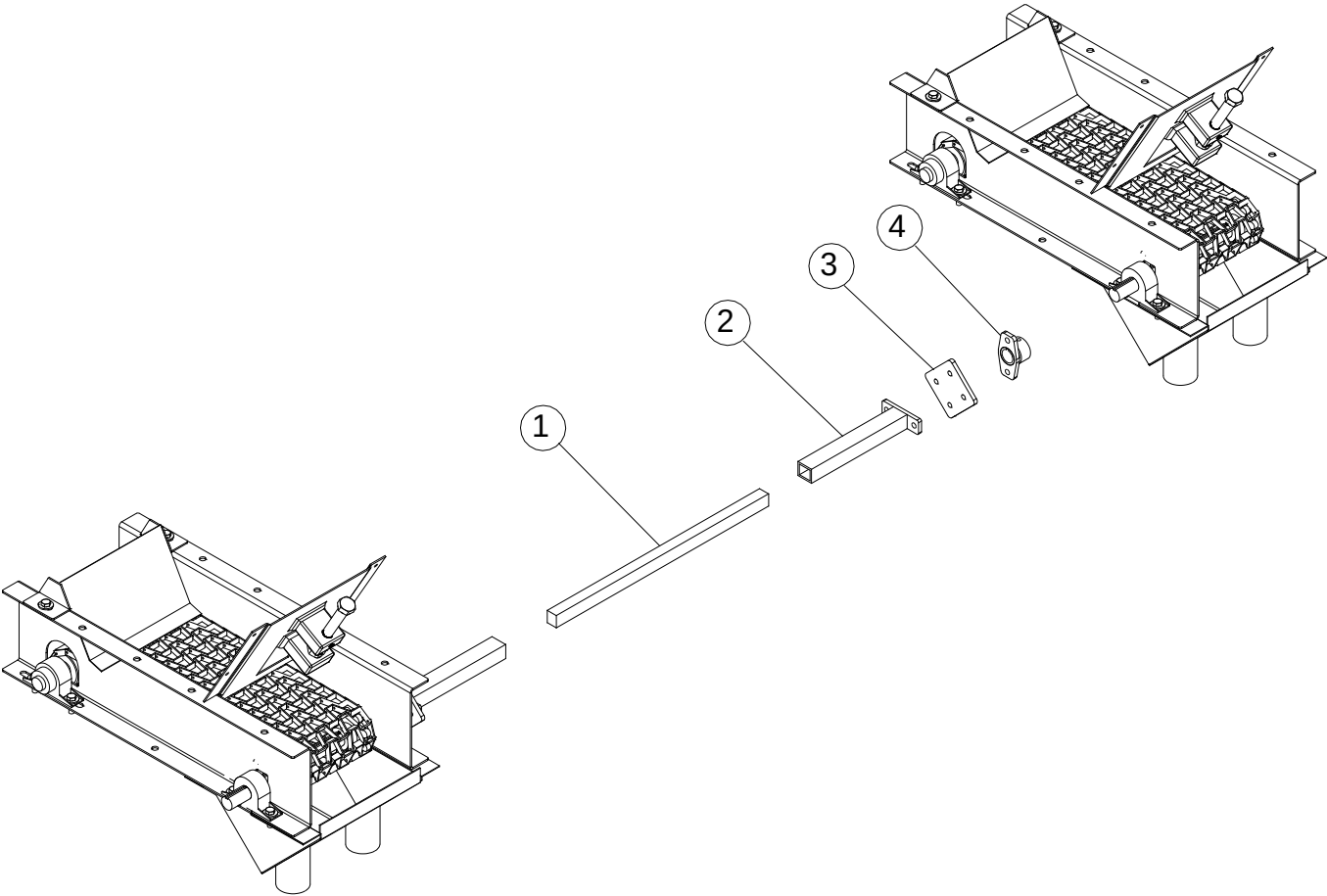
#368495 – Fertilizer Feedbox Assembly

Ref.	Part No.	Description
1	368860	Lower Fertilizer Box Weldment
2	402170	Drive Sprocket, Fertilizer
3	402164	Fertilizer Drive Shaft
4	402111	Key, 3/16x3/16x1
5	368530	Fertilizer Feedbox Idler Roller
6	368491	Fertilizer Feedbox Chain, 36 Links
7	368540	Rear Feedbox Weldment
8	097081	7/8" Brass Bushing w/ Flange Housing
9	082804	7/8" Set Collar
NS	097079	Fertilizer Chain Lacing Rod
NS	097086	2" Fertilizer Hose

#422315 – Fertilizer Adjustment Door Assembly

Ref.	Part No.	Description
1	422305	Fertilizer Door Cover Assembly
2	422310	Fertilizer Door Slide Assembly
3	020427	5/8" Centerlock Nut
4	422309	Fertilizer Door Threaded Rod

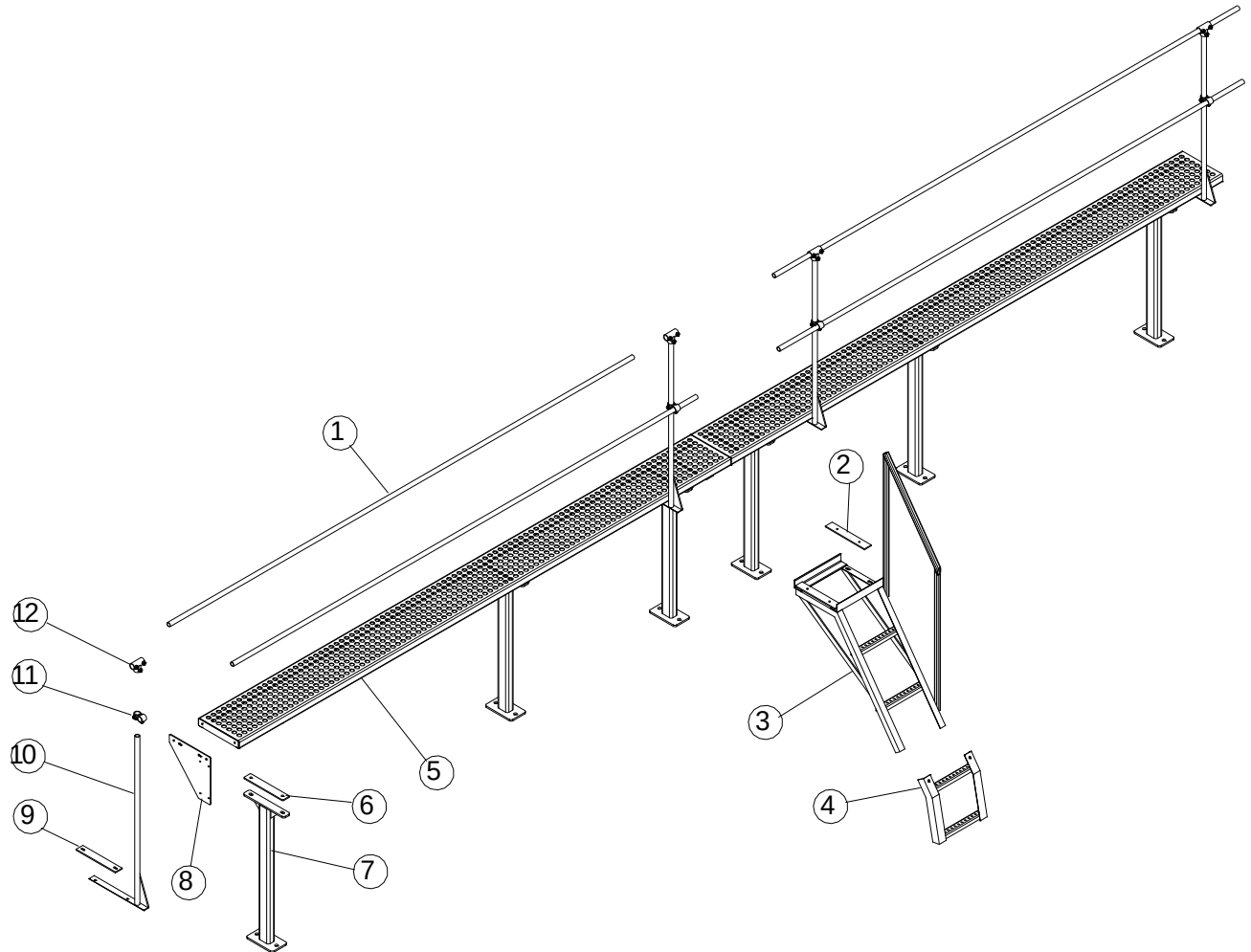
Fertilizer Drive Assembly



Fertilizer Drive Line

Ref.	Part No.	Description
1	368567	Fertilizer Drive Shaft
2	368560	Fertilizer Drive Coupler, Long
3	368563	Drive Coupler, Plastic
4	359428	Fertilizer Coupler Weldment

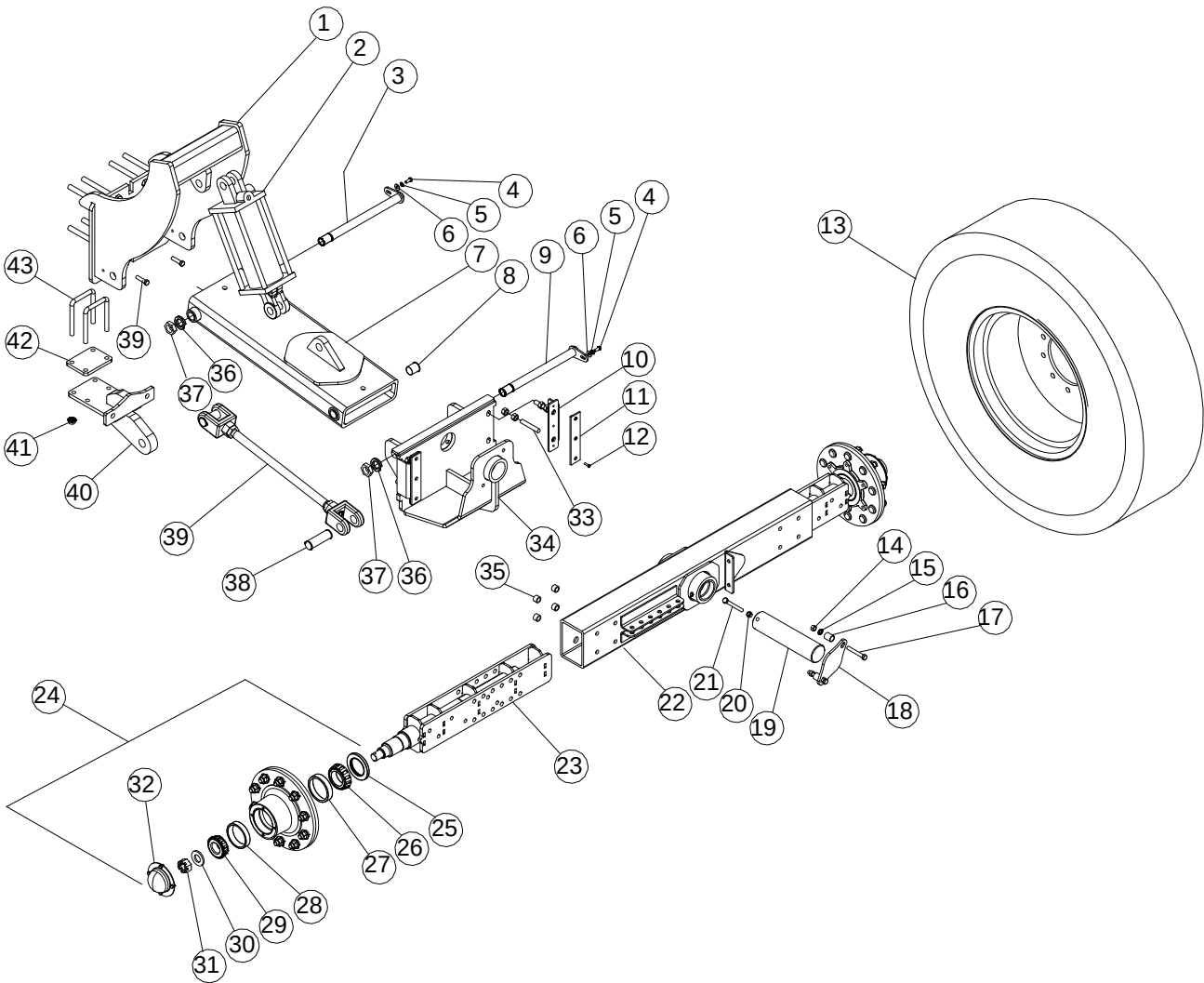
Rear Platform Assembly



Rear Platform Assembly

Ref.	Part No.	Description
1	355705	Handrail Pipe (21 ft / Specify Length)
2	356810	Ladder Hold Down Strap
3	356850	Ladder Weldment
4	356820	Ladder Extension
5	010905	Morten Channel 12 x 2 x 13 Gauge 12' (Cut to fit)
6	361120	Platform Strap Weldment
7	361115	Platform Support Weldment
8	354418	Implement Trailer Light Mount
NS	097483	Implement Light Package, LED
9	353325	Platform Strap
10	355700	Handrail Upright Weldment
11	096408	Handrail Connector, $\frac{3}{4}$ " Offset Cross
12	096407	Handrail Connector, $\frac{3}{4}$ " Tee

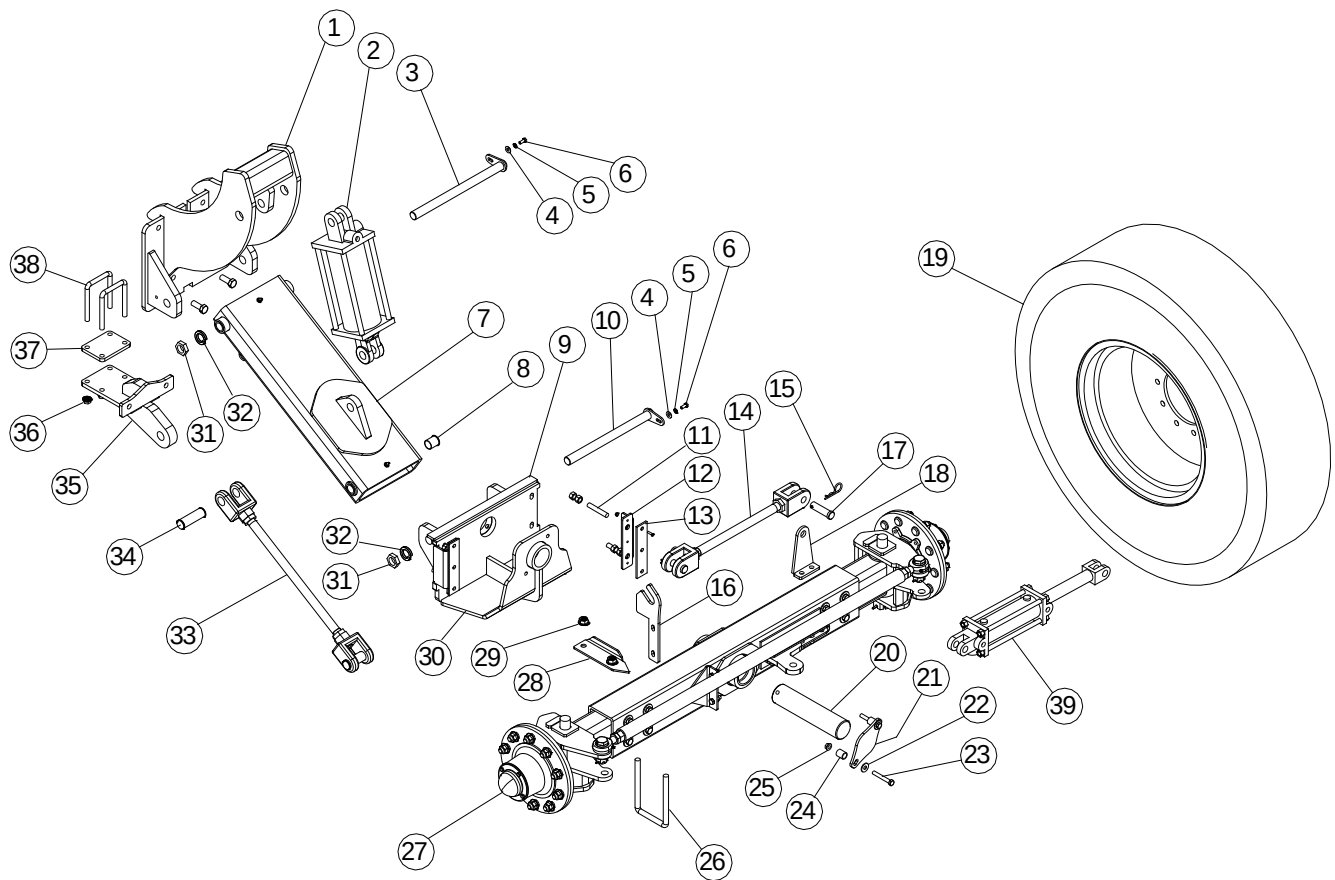
#380995 – Walking Beam Package



#380995 – Walking Beam Package

Ref.	Part No.	Description
1	381007	Rear Steer Toolbar Mount, Narrow
2	095384	Hydraulic Cylinder, 5x10"
NS	096125	Hydraulic Cylinder, 5x8"
3	381009	Pin, Upper Swing Arm
4	020111	Bolt, 3/8 x 7/8"
5	020502	Lock Washer, 3/8"
6	020513	Washer, 3/8"
7	380961	Swing Arm
8	095389	Bushing, Swing Arm
9	381016	Pin, Lower Swing Arm
10	380972	Beam Stabilizer
11	380971	Pad, Stabilizer
12	020142	Bolt, 1/4 x 1 Countersunk
13	380705	Tire/Rim, 13 x 24 Grader
NS	359392	Tire/Rim, 14.9 x 24 Diamond Tread
14	020404	Nut, 1/2"
15	020504	Lock Washer, 1/2"
16	380997	Spacer, Walking Beam Pin Retainer
17	020057	Bolt, 1/2 x 3-1/2"
18	380896	Retainer, Pin
19	381012	Pin, Walking Beam Pivot
20	020404	Nut, 1/2"
21	020060	Bolt, 1/2" x 5"
22	380740	Pivot Tube Weldment
23	380580	Axle Weldment, Non-Steer
24	095385	Hub, 10 Bolt
25	095373	Seal, 10 Bolt Hub
26	095511	Bearing, 10 Bolt Hub Inner
27	095509	Race, 10 Bolt Hub Inner
28	095508	Race, 10 Bolt Hub Outer
29	095510	Bearing, 10 Bolt Hub Outer
30	095522	Washer, 1-5/16"
31	095523	Nut, 1-5/16 Castle
32	095524	Dust, Cap DC27
33	020705	Bolt, 5/8 x 4" Fully Threaded
34	381015	Carrier Weldment, Rear Steer
35	380391	Bushing- Pivot Tube
36	020522	Lock Washer, 1-1/4"
37	020461	Jam Nut, 1-1/4" NF
38	094661	Clevis Pin, 1-3/8" w/ Retainer Rings
39	381021	Radius Arm, 1-3/8" Holes
40	381003	Bracket, Radius Arm
41	020476	Flange Nut, 5/8"
42	380796	Mount Plate, Crossmember
43	021009	U-Bolt, 5/8 x 4 x 5-1/2 Long

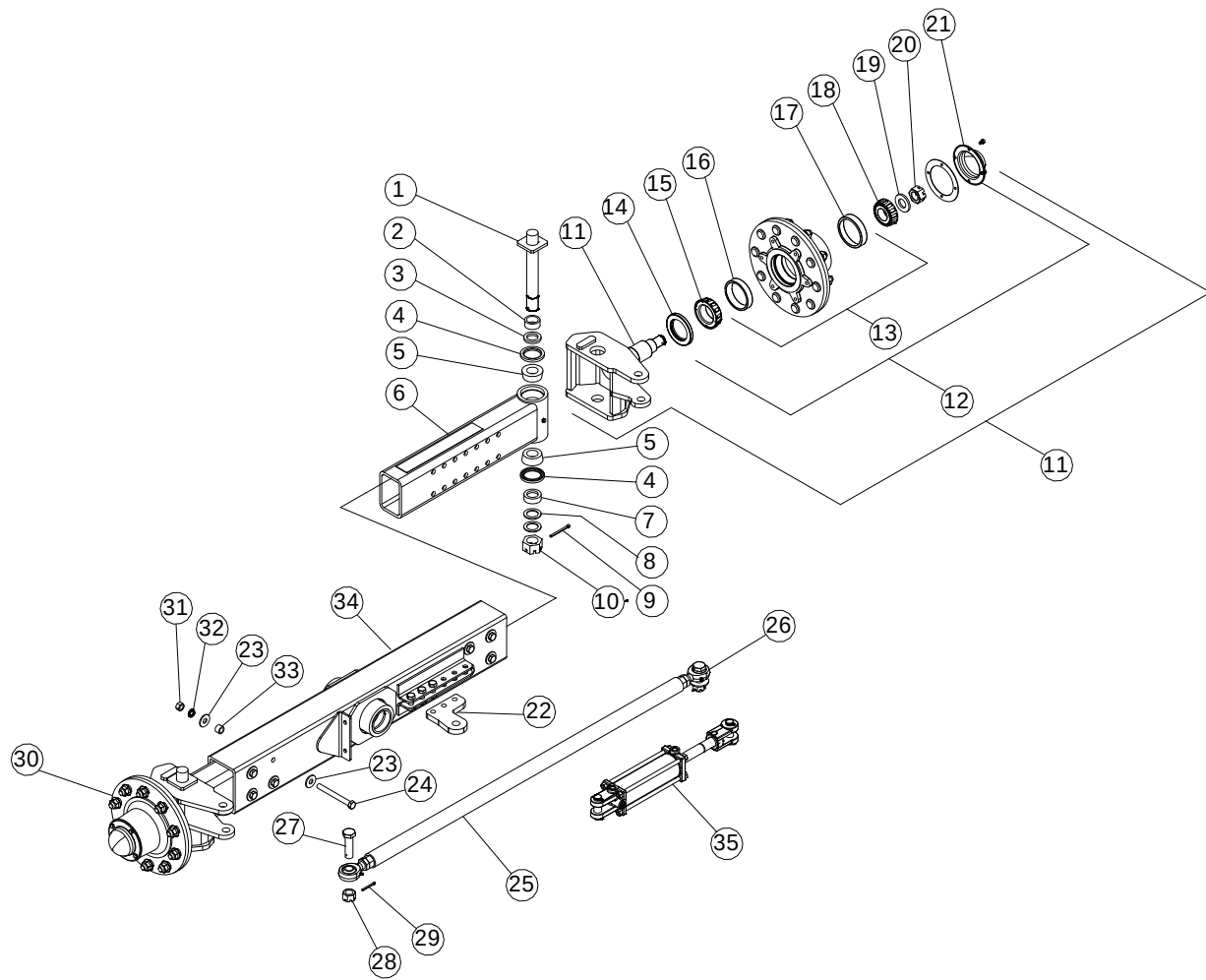
#380952 – Rear Steer Package



#380950 – Rear Steer Package
#380952 – Rear Steer (One Side / No Cylinders)

Ref.	Part No.	Description
1	381007	Toolbar Mount Weldment, Rear Steer
2	095384	Hydraulic Cylinder, 5 x 10"
NS	096125	Hydraulic Cylinder, 5 x 8"
3	381009	Pin, Upper Swing Arm
4	020513	Washer, 3/8"
5	020502	Lock Washer, 3/8"
6	020111	Bolt, 3/8 x 7/8"
7	380961	Swing Arm Weldment
8	095389	Bushing, Swing Arm
9	381015	Carrier Weldment, Rear Steer
10	381016	Pin, Lower Swing Arm
11	020705	Bolt, 5/8 x 4" Fully Threaded
12	380972	Beam Stabilizer
13	380971	Pad, Stabilizer
14	380980	Lock Bar, 8" Stroke
	095390	Clevis, 1"
15	020915	Bridge Pin, #6
16	380979	Cylinder Holder
17	020893	Clevis Pin, 1 x 3-1/2"
18	380975	Cylinder Holder, Base End
19	380705	Tire/Rim, 13 x 24 Grader
20	381012	Pin, Walking Beam Pivot
21	380896	Retainer, Pivot Pin
22	020515	Washer, 1/2"
23	020057	Bolt, 1/2 x 3-1/2"
24	380997	Spacer, Pin Retainer Plate
25	020505	Nut, 1/2" Flange
26	021016	U-Bolt, 3/4 x 5 x 8-1/2"
27	095385	Hub, 10 Bolt
28	380982	Indicator, Manual Steering
29	020478	Nut, 3/4" Grade 8 Flange
30	381015	Carrier Weldment, Rear Steer
31	020461	Jam Nut, 1-1/4 NF
32	020522	Lock Washer, 1-1/4"
33	381021	Radius Arm, 1-3/8"
	094660	Clevis End- 1-3/8"
34	094661	Clevis Pin, 1-3/8"
35	381003	Bracket, Radius Arm
36	020476	Nut, 5/8" Flange
37	380796	Mount Plate, Crossmember
38	021009	U-Bolt, 5/8 x 4 x 5-1/2 Long
39	095447	Hydraulic Cylinder, 3 x 8" Single Rephasing
	095448	Hydraulic Cylinder, 3-1/4 x 8" Single Rephasing

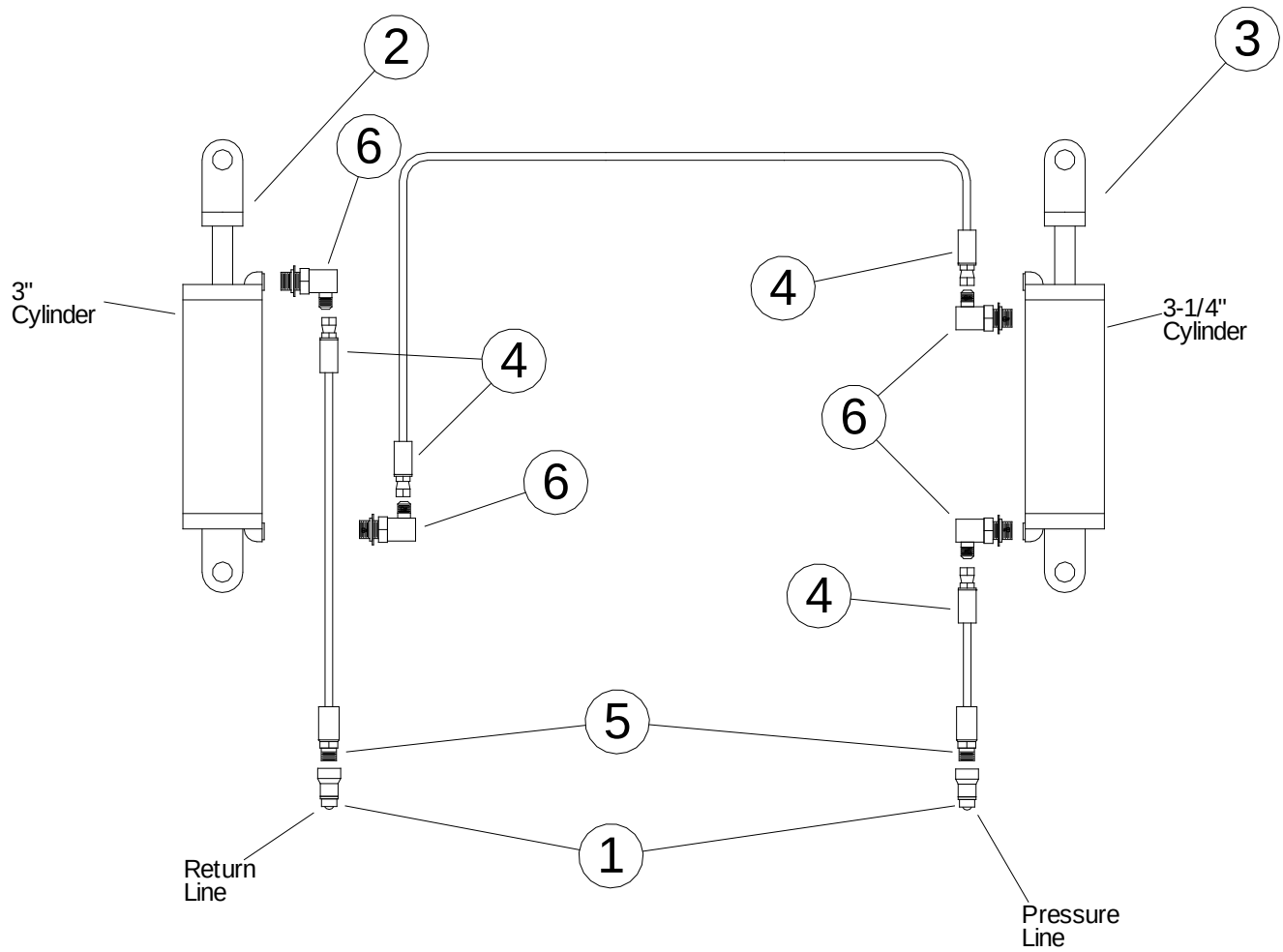
#380925 – Rear Steer Axle



#380925 – Rear Steer Axle

Ref.	Part No.	Description
1	380825	Kingpin Weldment
2	380895	Bushing, Upper Kingpin
3	380878	Bushing, Upper Knuckle
4	095388	Seal, Kingpin Bearing
5	095386	Bearing, Kingpin
6	380870	Slide Tube, Adjustable
7	380894	Bushing, Lower Knuckle
8	021352	Washer, 1-½ x 10 ga
9	020829	Cotter Pin, ¼ x 3
10	352535	Castle Nut, 1-½" NF
11	404412	10 Bolt Hub/Spindle/Knuckle Right Side
NS	404413	10 Bolt Hub/Spindle/Knuckle Left Side
12	095385	10 Bolt Hub Assembly
13	095521	10 Bolt Hub w/ Races
14	095373	Seal, 10 Bolt Hub
15	095511	Bearing, 10 Bolt Hub Inner
16	095509	Race, 10 Bolt Hub Inner
17	095508	Race, 10 Bolt Hub Outer
18	095510	Bearing, 10 Bolt Hub Outer
19	095221	Washer, 1-5/16"
20	095523	Nut, 1-5/16 Castle
21	095524	Dust, Cap DC27
22	380774	Cylinder Steer, Steering
23	020536	Washer, 5/8"
24	020073	Bolt, 5/8 x 6"
25	380840	Tie Rod, 6-8 Row
26	098004	Rod End, Right Hand Thread
	098005	Rod End, Left Hand Thread
27	380969	Bolt, 1x3-1/2" Drilled
28	020174	Castle Nut, 1" x 14 TPI
29	020832	Cotter Pin, 3/16 x 2"
30	380770	Knuckle/Hub/Slide Tube Assembly, Left Side
NS	380880	Knuckle/Hub/Slide Tube Assembly, Right Side
31	020406	Nut, 5/8"
32	020506	Lock Washer, 5/8"
33	380391	Bushing, Adjustable Axle
34	380740	Pivot Tube Weldment
35	095447	Hydraulic Cylinder, 3 x 8" Single Rephasing
NS	095448	Hydraulic Cylinder, 3-¼ x 8" Single Rephasing
NS	095380	Hydraulic Cylinder, 3 x 8" Dual Rephasing (Option)

Rear Steer Hydraulics
(Not Plumbed at Factory Due to Individual GPS System Requirements)

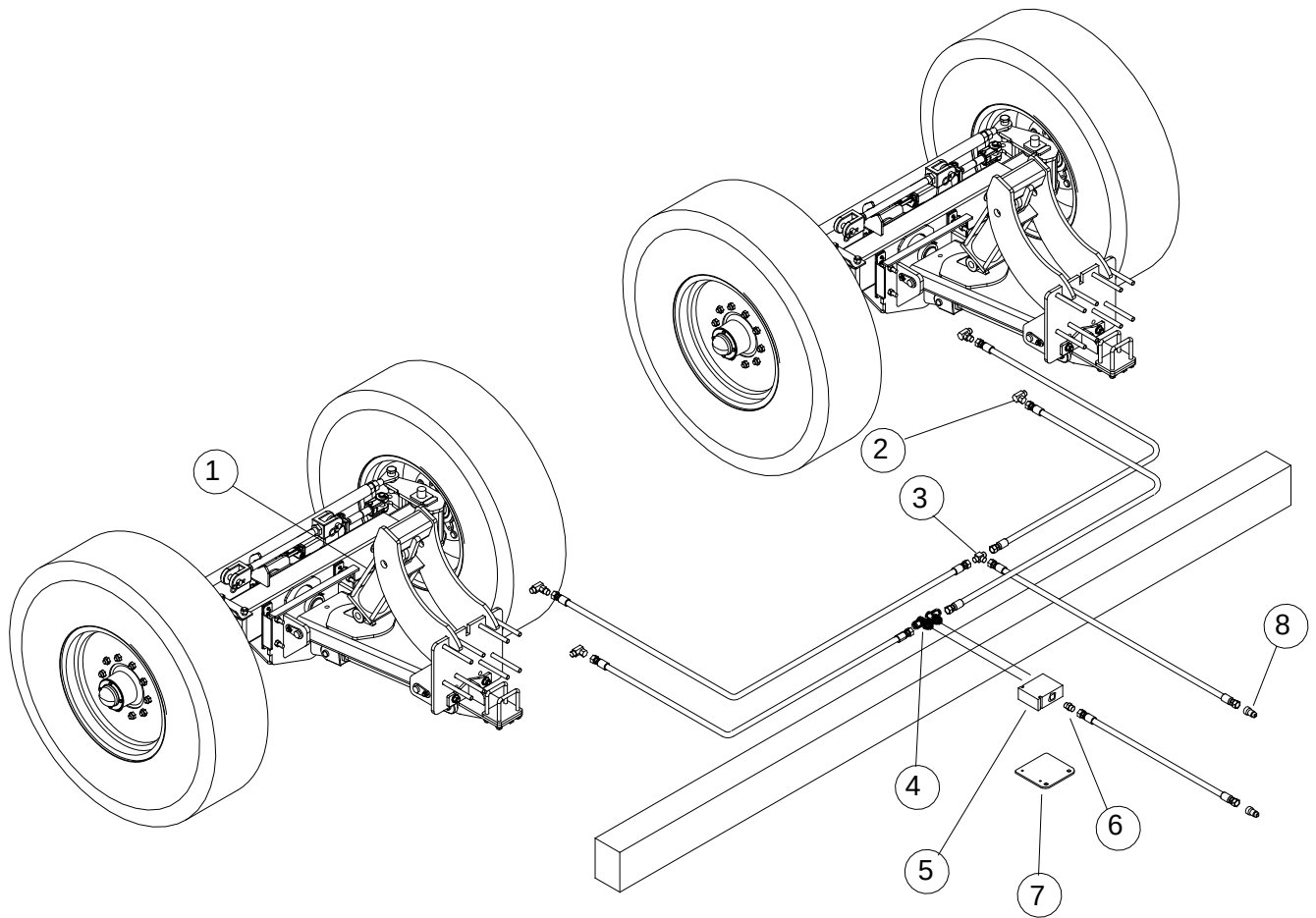


Rear Steer Hydraulics

(Not Plumbed at Factory Due to Individual GPS System Requirements)

Ref.	Part No.	Description
1	096289	Universal Male Tip ½" Pioneer End
2	095447	Hydraulic Cylinder, 3x8 Single Rephasing
3	095448	Hydraulic Cylinder, 3-1/4x8 Single Rephasing
4	095275	Hose End, -10 to -8 Straight Female
5	095277	Hose End, -8 to -8 Straight Female
6	096288	½" Orb x 5/8 JIC Elbow

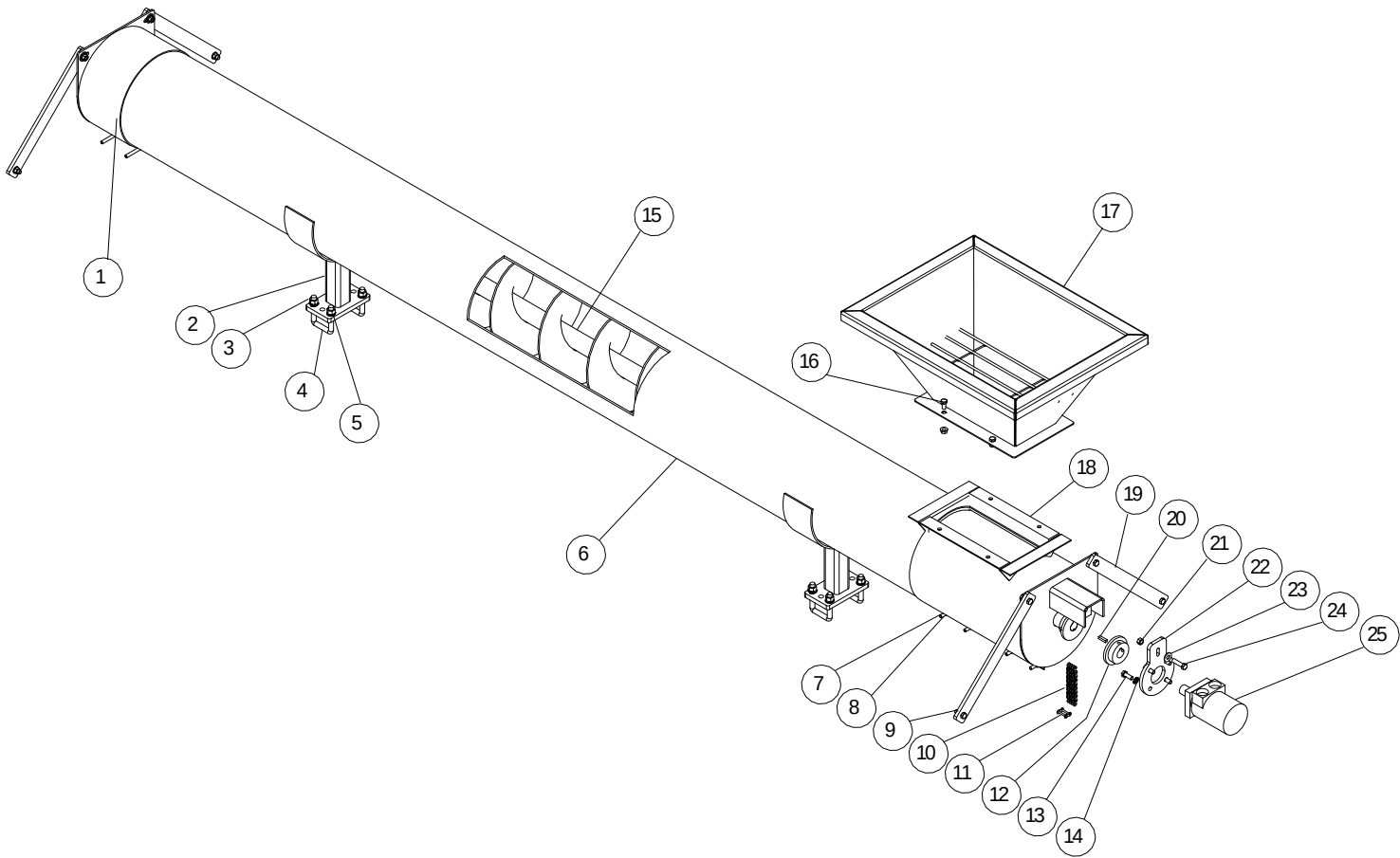
Rear Lift with Rear Steer Hydraulic System



Rear Lift With Rear Steer Hydraulic System

Ref.	Part No.	Description
1	095384	Hydraulic Cylinder, 5" x 10"
NS	096125	Hydraulic Cylinder, 5"x8"
2	096288	5/8" Male JIC x 1/2 Male O-Ring Boss Elbow
3	095276	Tee, 5/8" Male JIC x 5/8" Male JIC x 5/8" Male JIC
4	095273	5/8" JIC Male x #10 O-Ring Boss Elbow
5	096287	Flow Divider, Hydraulic
6	095314	5/8" JIC Male x #12 O-Ring Boss Male
7	404358	Mount, Flow Divider
8	096289	Pioneer Tip, 3/4" Orb
NS	096702	Grip, Yellow Hydraulic Hose Pressure
NS	096703	Grip, Yellow Hydraulic Hose Return

#369100 – 10” Single Fill Auger
#369101 – 10” Dual Fill Auger



#369100 – 10” Single Fill Auger
#369101 – 10” Dual Fill Auger

Ref.	Part No.	Description
1	369130	Tube Endcap Weldment
NS	369128	Endcap Weldment, Dual Fill
2	369160	10” Auger Stand
3	020404	Nut, ½ Hex
4	021000	U-Bolt, ½ x 2 x 3
5	020504	Washer, 1/2” Lock
6	369150	Tube- 10” Auger
7	020024	Bolt, 5/16" x 4"
8	020479	Nut, 5/16” Flange
9	020471	Nut, 3/8 Flange
10	354555	Sprocket Coupler Chain
11	096064	Connector Link, #40 Double
12	096042	Sprocket, 4018 x1 Finished Bore
13	020029	Bolt, 3/8" x 1"
14	020502	Washer, 3/8 Lock
15	369140	Shaft Weldment- 10” Auger Flighted
16	020028	Bolt, 3/8" x 3/4"
17	368969	10” Auger Hopper
18	369120	Motor Endcap- 10” Auger
19	368943	Mounting Strap
20	351069	Key, ¼ x 1
21	020423	Nut, 3/8 Centerlock
22	368965	Motor Mount
23	020513	Washer, 3/8 Flat
24	020030	Bolt, 3/8 x 1-1/2
25	090103	Motor, Hydraulic



Box 378, Minto, ND 58261
(800)437-8205 (701)248-3286 Fax: (701)248-3070
harriston@invisimax.com
www.harriston-mayo.com

PRINTED IN USA
ISSUE DATE: September 2018