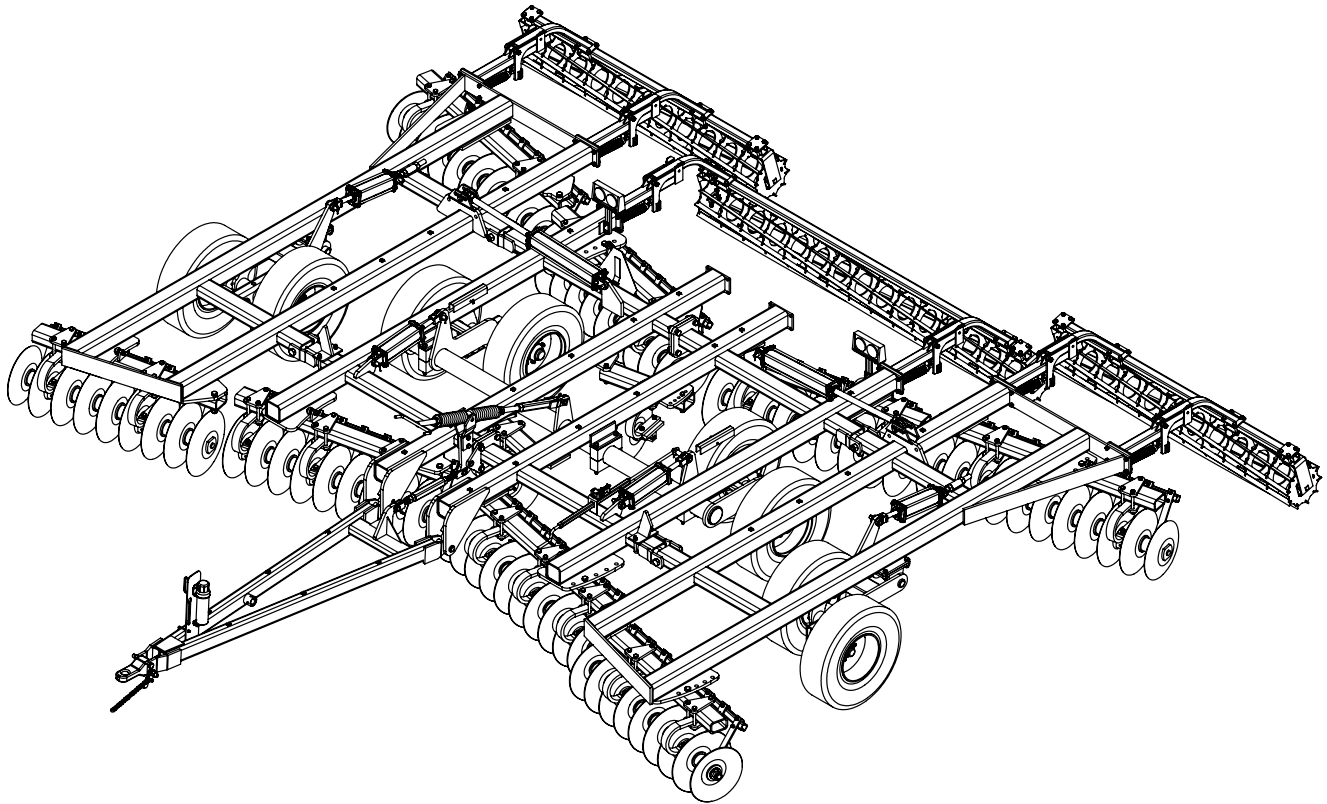


KONGSKILDE 9100

Vertical Tillage - Spare Parts List

Kongskilde
9100



Models

604000001	9125	Vertical Tillage (25')
604000004	9115	Vertical Tillage (15')

*Model may not be exactly as shown.

Kongskilde reserves the right to make changes to product designs and specifications without notice or obligation to rework.

See your local Kongskilde representative for current product specifications and options.

Table of Contents

Introduction:	3
Hitch Assembly	4
Center Frame Assembly	6
Rockshaft & Single Point Assembly	8
Rockshaft & Tandem Axle Assembly	10
Wing Frame & Fold Cylinder Assembly (25' Model Only)	12
Wing Tandem Axle & Cylinder Assembly (25' Model Only)	14
Wing Tandem Axle Assembly (25' Model Only)	16
Gang & Scraper Assembly	18
Gang Assemblies	20
Harrow Arm & Roller Assembly	22
Harrow Arm & Roller Assembly Details	24
Lift Hydraulics (25' Model)	26
Fold Hydraulics (25' Model Only)	28
Lift Hydraulics (15' Model)	30
Leveling Hydraulics	32
Lighting Assembly	34
Center Disc Assembly - Optional	36
Center Tine Assembly - Optional	38



Introduction:

Please take the time to carefully read all the instruction booklets provided with your new Kongskilde product. Once you are finished reading do not throw these guides out. Keep them for later review.

The "Assembly Instructions" reference this guide. We suggest having this book on hand during the assembly process.

Accessories may have their own instruction guide. Please read the relevant booklets for instructions on how to perform the installation of accessories. (Harrows, light kit etc.)

Be sure to read and understand the "Owner's Manual" before operating this equipment. It contains information about adjustment settings, operating instructions and safety precautions.

Please fill out and return the Owners Registration and Warranty Form provided in the Owners Manual to activate the warranty.

Hitch Assembly

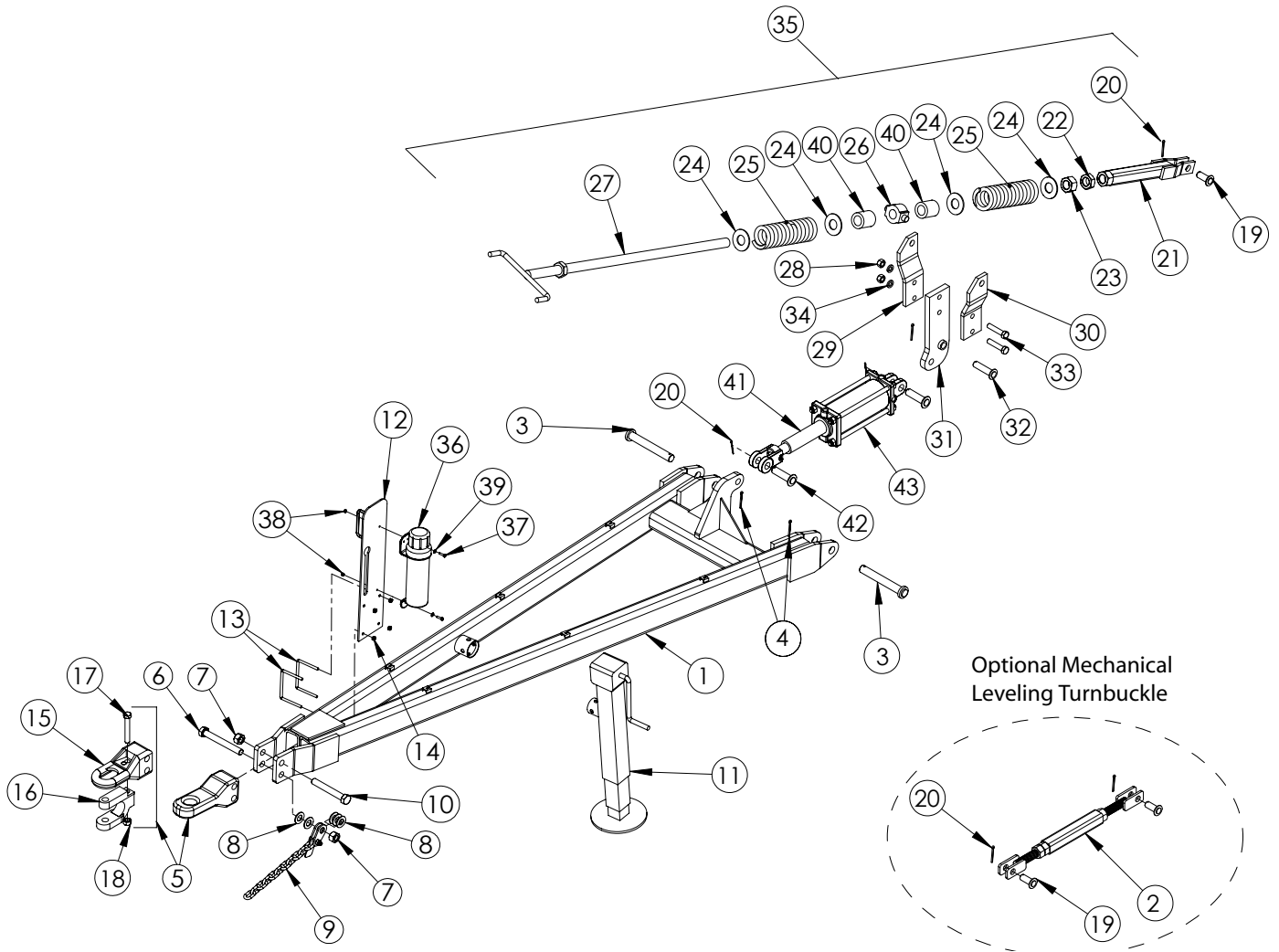


Fig.	Part no.	Qty	Description
1	604002183	1	9100 Hitch Weldment
2	600600273	1	Hitch Turnbuckle
3	604003289	2	Pin 1 1/4" x 8 1/4"
4	600383026	2	Cotter Pin 1/4" x 2"
5	601140770	1	Hitch - Cat 4 Pindle Style (No Clevis)
	601140769		Hitch - Cat 3 Clevis (Includes items 15 - 18)
6	600355027	1	Bolt 1" x 8" Gr.8
7	600366032	2	Locknut 1"
8	600381018	5	Flatwasher 1"
9	600461011	1	A.S.A.E. Safety Chain Assembly
10	600355025	1	Bolt 1" x 7"
11	601231223	1	Jack Twl 190 D1 - B
12	604003275	1	Hose Tower
13	600373113	2	U-Bolt 3/8" x 5" x 4 1/4"
14	600366028	4	Locknut 3/8"
15	601140771	1	Cat 3 - Base Hitch
16	601140772	1	Cat 3 - Clevis Insert
17	600373060	1	Bolt 3/4" x 5" Gr.8
18	600366024	1	Locknut 3/4" Gr.8
19	600383203	1	Pin 1" x 3"
20	600383058	4	Pin, Cotter 5/32" x 2"
21	604002119	1	Lower Weldment
22	600365069	1	Jam Nut 1 1/2"
23	600365006	1	Standard Nut 1 1/2"
24	600381016	4	Flatwasher 1 1/2"
25	604002048	2	Coil Spring
26	604003286	1	Trunnion
27	604002151	1	Float Assembly Crank
28	600365019	2	Standard Nut 3/4"
29	604002122	1	Trunnion Plate - Right
30	604002121	1	Trunnion Plate - Left
31	604002146	1	Bell Crank Bracket
32	600383109	1	Pin 1" x 4"
33	600356045	2	Bolt 3/4" x 3 1/2"
34	600382055	2	Lockwasher 3/4"
35	604001035	1	Cushion Float Assembly (Includes Items 21-27 & 40)
36	600600268	1	Manual Canister
37	600356138	2	Bolt 1/4" x 1"
38	600366026	2	Locknut 1/4"
39	600381023	2	Flatwasher 1/4"
40	760011003	2	Cushion Spring Spacer
41	760011007	1	Cylinder Sleeve
42	600383136	2	Pin, 1" x 3 1/2"
43	7600474658	1	Cylinder, 4" x 8" Stroke - Monarch (Cylinder Pins Included)
-	760013000	1	Leveling Cylinder Assembly (Includes Items 41 & 43)

Center Frame Assembly

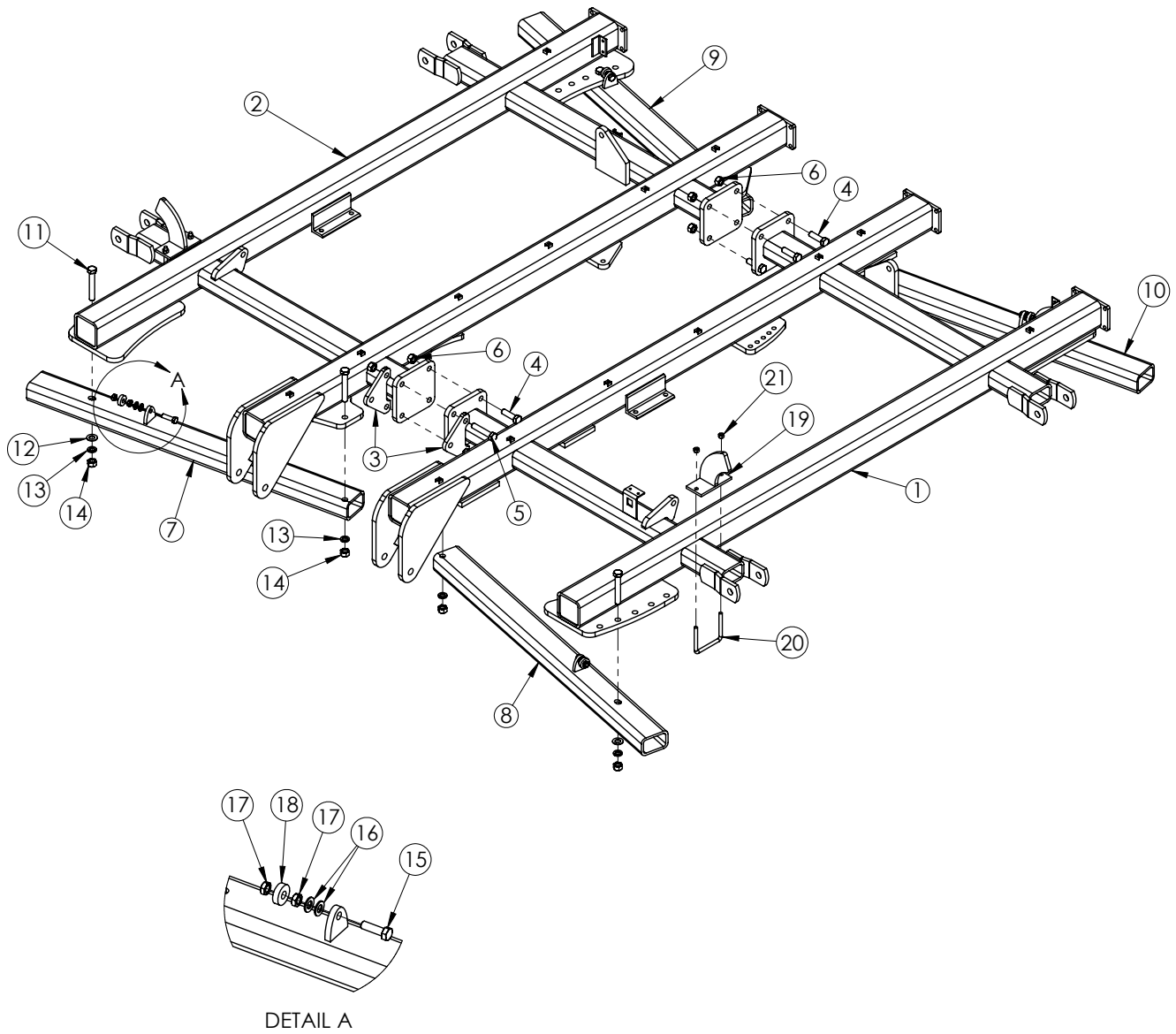


Fig.	Part no.	Qty	Description
1	604002175	1	Center Frame, Left
2	604002174	1	Center Frame, Right
3	604003258	2	Plate, Leveling Pivot
4	600356004	6	Bolt 1" x 3 1/2"
5	600356101	2	Bolt 1" x 5"
6	600366032	8	Locknut 1"
7	604002160	1	Gang Tube, Front Right
8	604002162	1	Gang Tube, Front Left
9	604002161	1	Gang Tube, Rear Right (25' Model)
	604002188	-	Gang Tube, Rear Right (15' Model)
10	604002163	1	Gang Tube, Rear Left (25' Model)
	604002189	-	Gang Tube, Rear Left (15' Model)
11	600355054	8	Bolt 1" x 6 1/2"
12	600381018	4	Flatwasher 1"
13	600382056	8	Lockwasher 1"
14	600365020	8	Standard Nut 1"
15	600355046	4	Bolt 3/4" x 2 1/2"
16	600381009	8	Flatwasher 3/4"
17	600365071	8	Jamnut 3/4"
18	100401006	4	Bearing, Gang Adjustment
19	*604002176	2	Bracket, Wing Rest
20	*601140514	2	U-Bolt 5/8" x 6" x 5 5/8"
21	*600366031	4	Locknut 5/8"
			*Only used on 25' model

Rockshaft & Single Point Assembly

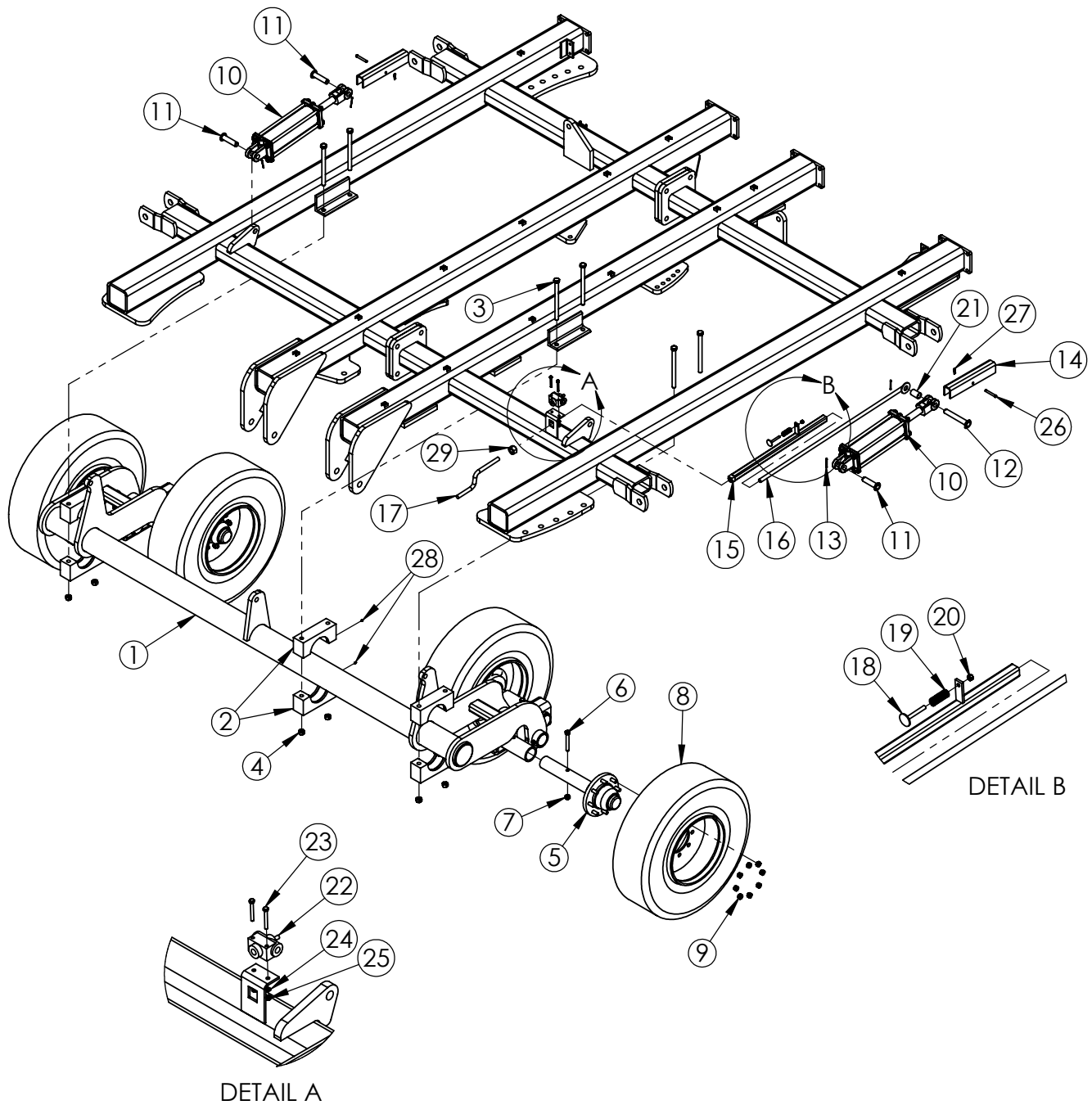


Fig.	Part no.	Qty	Description
1	604001031	1	Rockshaft Assembly
2	604002157	6	Bearing Block, Rockshaft
3	600355007	6	Bolt 3/4" x 10"
4	600366024	6	Locknut 3/4"
5	6040010419	4	Spindle & Hub Assembly, 8000lb
6	600355052	4	Bolt 5/8" x 4 1/2"
7	600366031	4	Locknut 5/8"
8	600473108	4	Wheel Assembly, 12L - 16.5 - Galaxy
9	600473061	32	Lug Nut 5/8"-18
10	600474642	2	Cylinder, 4" Rephasing - 12" Stroke
11	600383136	3	Pin 1" x 3 1/2"
12	600383140	1	Pin 1" x 6 1/2"
13	600383058	4	Pin, Cotter 5/32" x 2"
14	604003290	2	Transport Safety Lock
15	604003284	1	Single Point Adjustment Tube
16	604003285	1	Single Point Adjustment Rod
17	604002139	1	Single Point Crank Handle
18	601140555	1	Bolt, Striker 3/8" x 3"
19	601140556	1	Spring, Striker
20	600366028	1	Locknut 3/8"
21	604002143	1	Bushing, Single Point
22	600470070	1	Valve, Single Point Hydraulic
23	600356148	2	Bolt 5/16" x 2 1/2"
24	600382050	2	Lockwasher 5/16"
25	600365007	2	Nut 5/16"
26	600383141	2	Pin, Clevis 3/8" x 3"
27	600383142	2	Pin, Hair 3/32" x 1 1/2"
28	600471000	6	Grease Fitting
29	600365071	1	Jam Nut 3/4"

Rockshaft & Tandem Axle Assembly

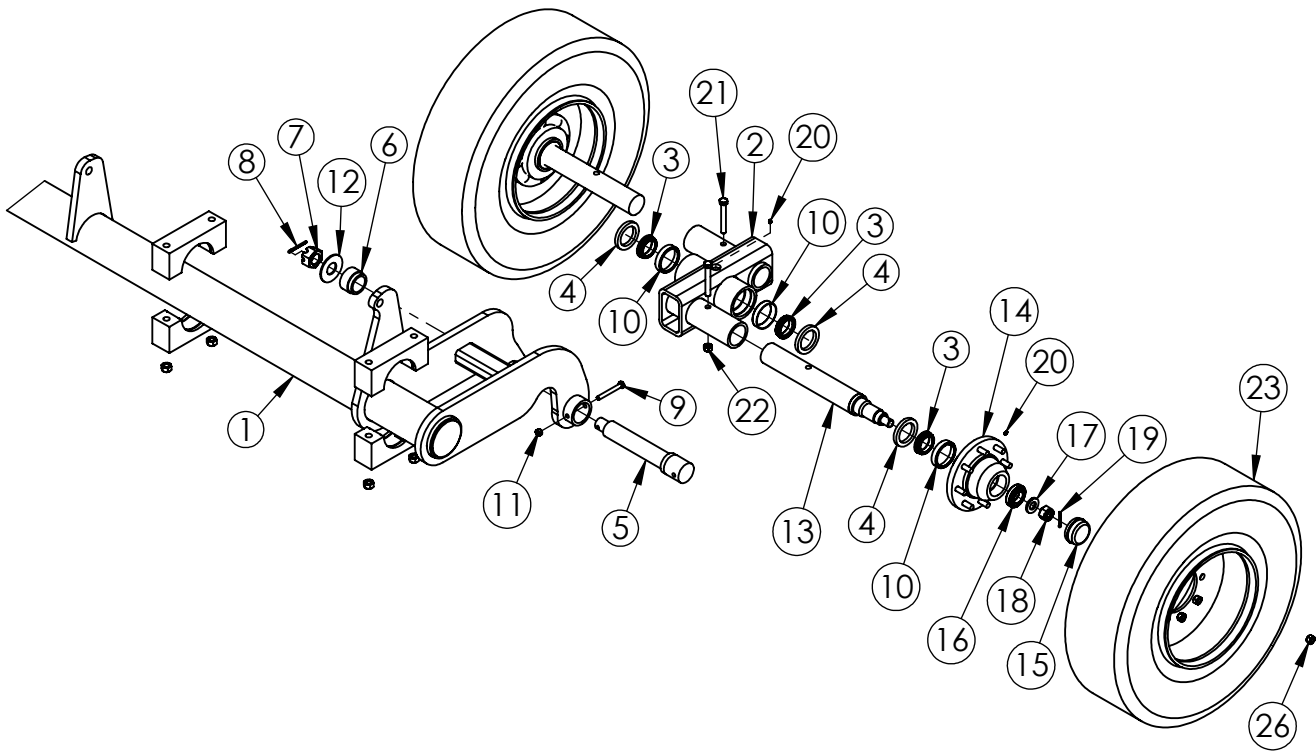


Fig.	Part no.	Qty	Description
1	604002058	1	Rockshaft Weldment
2	604002059	2	Tandem Weldment
3	76301131	8	Cone LM 506849
4	600473057	8	Seal CR 27361 (HDDL)
5	604002047	2	Pin, Tandem Pivot
6	604002063	2	Bushing, Tandem Pivot
7	600366036	2	Slotted Nut 1 1/2" - 12 UNF
8	600383005	2	Pin, Cotter 5/16" x 2 1/2"
9	600356105	2	Bolt 1/2" x 4"
10	76301137	8	Race JLM 506810
11	600366030	2	Locknut 1/2"
12	600381054	2	Flatwasher 1 1/2" SAE
13	604002100	4	Spindle 8000lb
13a	7604002100	4	Spindle Assembly Complete (Includes Items 13, 17, 18, 19)
14	-	4	Hub 8000lb
14a	763011289	-	Hub 8000lb (Includes Items 10, 16a, 20 & 26)
14b	763012379	-	Hub 8000lb, Complete (Includes Items 3, 4, 14a, 15, 16b)
14c	760013001	-	Kit, 8-Bolt Hub Bearing (Includes Items 3, 4, 10, 15, 16a, 16b, 17, 18 & 19)
15	76301230	4	Dust Cap
16	-	4	Bearing
16a	76301135	-	Race LM 501310
16b	76301129	-	Cone LM 501349
17	600473052	4	Washer 1", EMI - 8000
18	600366012	4	Slotted Nut 1" UNF
19	600383003	4	Pin, Cotter 3/16" x 1 3/4"
20	600471000	4	Grease Fitting
21	600355052	4	Bolt 5/8" x 4 1/2"
22	600366031	4	Locknut 5/8"
23	600473108	4	Wheel Assembly, 12L - 16.5 - Galaxy, 8-Bolt (25' Model) - Includes Items 24 & 25
24	600473110	-	Rim 16.5 x 9.75
25	600473109	-	Tire, 12L - 16.5
26	76301235	32	Lug Nut 5/8-18

Quantities listed for complete rockshaft/tandem assembly

Wing Frame & Fold Cylinder Assembly

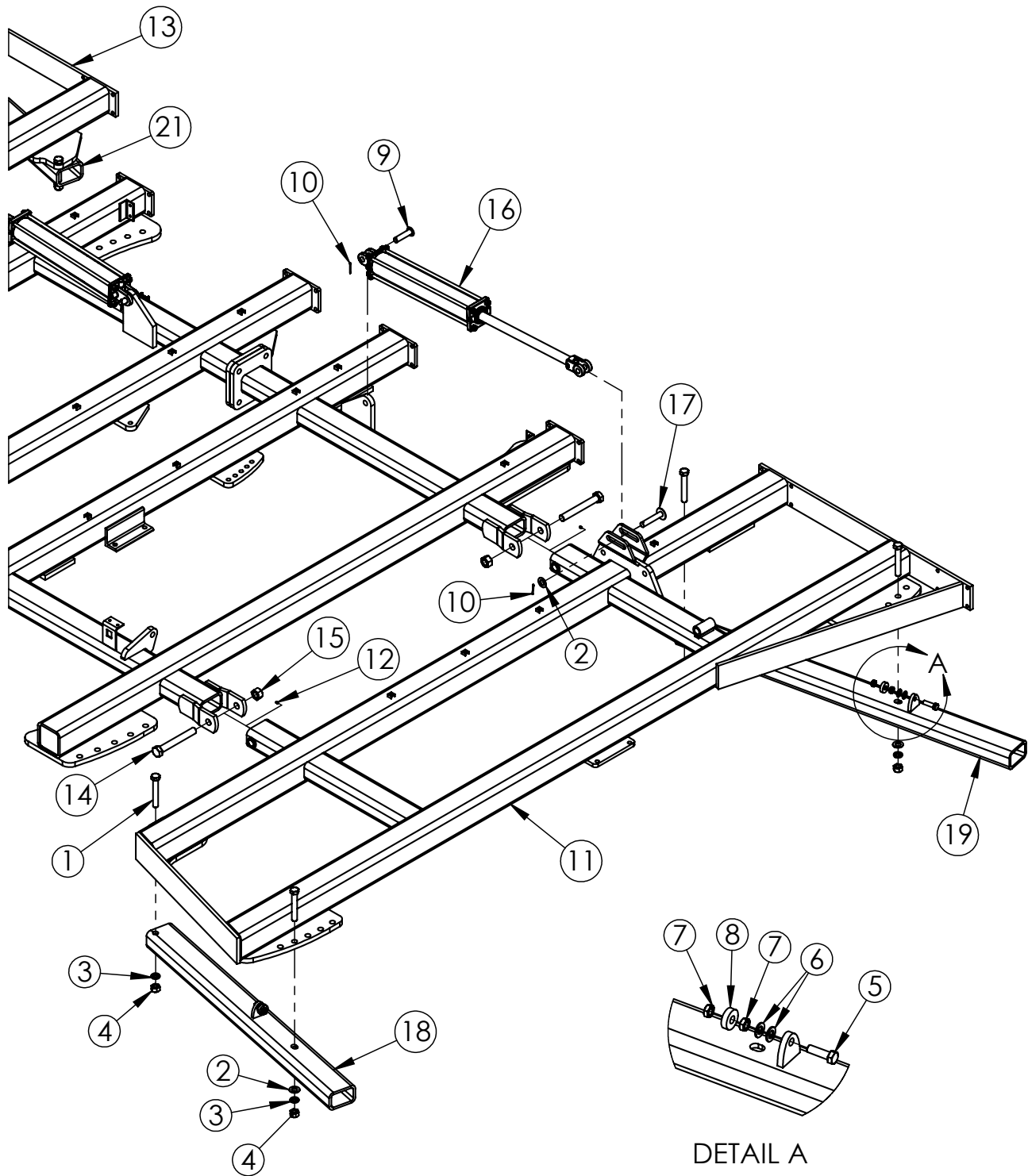


Fig.	Part no.	Qty	Description
1	600355054	8	Bolt 1" x 6 1/2"
2	600381018	4	Flatwasher 1"
3	600382056	8	Lockwasher 1"
4	600365020	8	Nut 1"
5	600355046	4	Bolt 3/4" x 2 1/2"
6	600381009	8	Flatwasher 3/4"
7	600365071	8	Jam Nut 3/4"
8	100401006	4	Bearing 6304-2 RS
9	600383136	2	Pin 1" x 3 1/2"
10	600383058	4	Pin, Cotter 5/32" x 2"
11	604002156	1	Frame, Left Wing
12	600471000	4	Grease Fitting
13	604002155	1	Frame, Right Wing
14	600356043	4	Bolt 1 1/4" x 9 1/2"
15	600366033	4	Locknut 1 1/4"
16	600474640	2	Cylinder, 4" Rephasing - 24" Stroke
17	76801613	2	Pin, Cylinder 1" x 5"
18	604002166	1	Tube, Front Left Wing Gang
19	604002167	1	Tube, Rear Left Wing Gang
20	604002164	1	Tube, Front Right Wing Gang (not shown)
21	604002165	1	Tube, Rear Right Wing Gang

Wing Tandem Axle & Cylinder Assembly

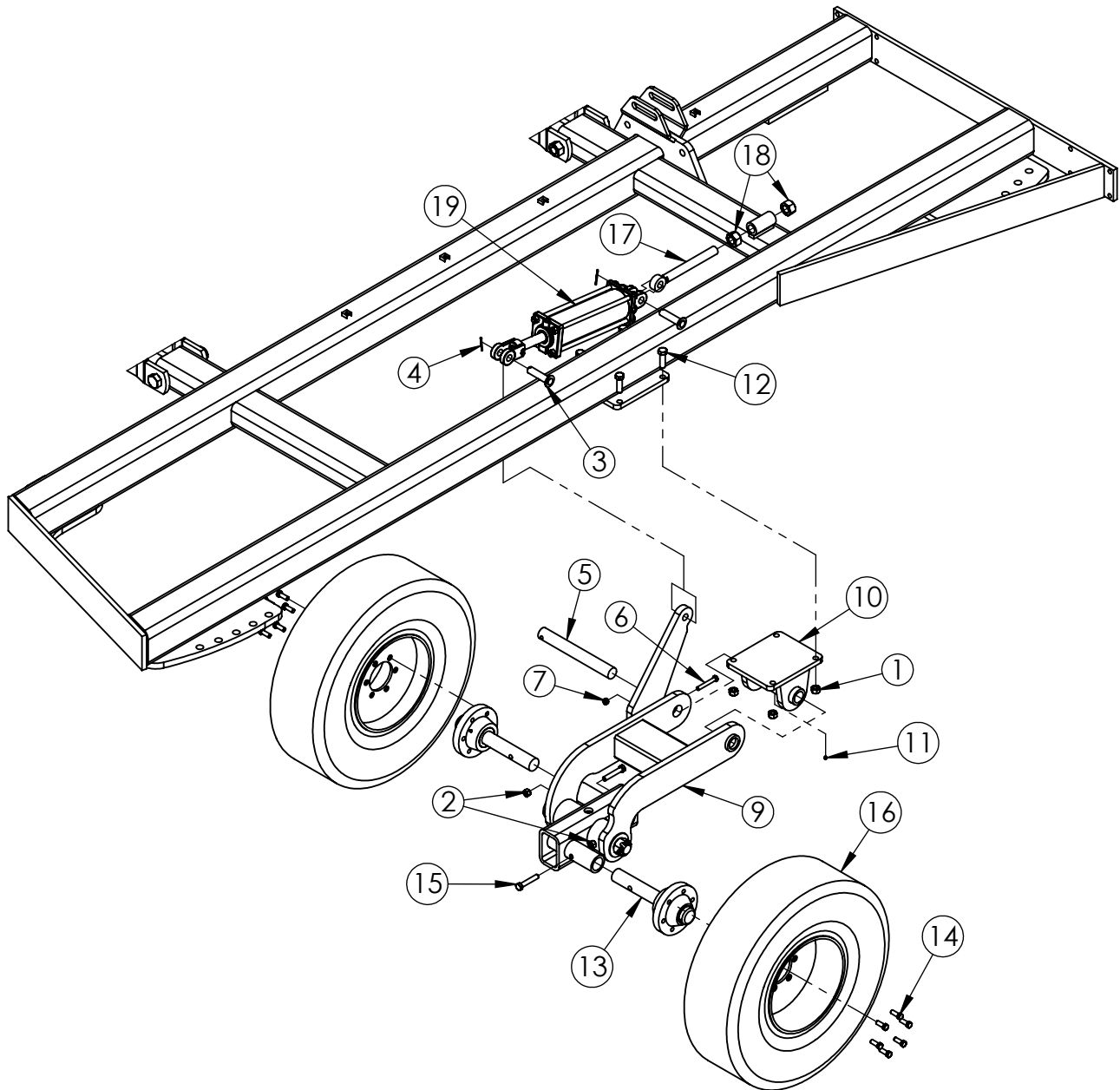


Fig.	Part no.	Qty	Description
1	600366024	8	Locknut 3/4"
2	600366031	4	Locknut 5/8"
3	600383136	4	Pin 1" x 3 1/2"
4	600383058	4	Pin, Cotter 5/32" x 2"
5	604003282	2	Pin, Wheel Arm Pivot
6	600356137	2	Bolt 1/2" x 3 1/2"
7	600366030	2	Locknut 1/2"
8	604001032	1	Wheel Arm Assembly, Right (not shown)
9	604001033	1	Wheel Arm Assembly, Left
10	604002043	2	Mount, Wheel Arm Pivot
11	600471000	2	Grease Fitting
12	600356011	8	Bolt 3/4" x 2 1/2" GR. 8
13	763011121	4	Spindle & Hub Assembly, 5000lb
14	600373006	24	Lug Bolt 9/16"-18
15	600356116	4	Bolt 5/8" x 3 1/2"
16	600473111	4	Wheel Assembly 11L-15 - Galaxy, 6-Bolt
17	600373119	2	Eye Bolt 1 1/4"-7 UNC (Replaces 604002076)
18	600365064	4	Nut 1 1/4"-7 UNC
19	600474643	2	Cylinder, 3 3/4" Rephasing - 12" Stroke
			Quantities listed for all left and right wing components

Wing Tandem Axle Assembly

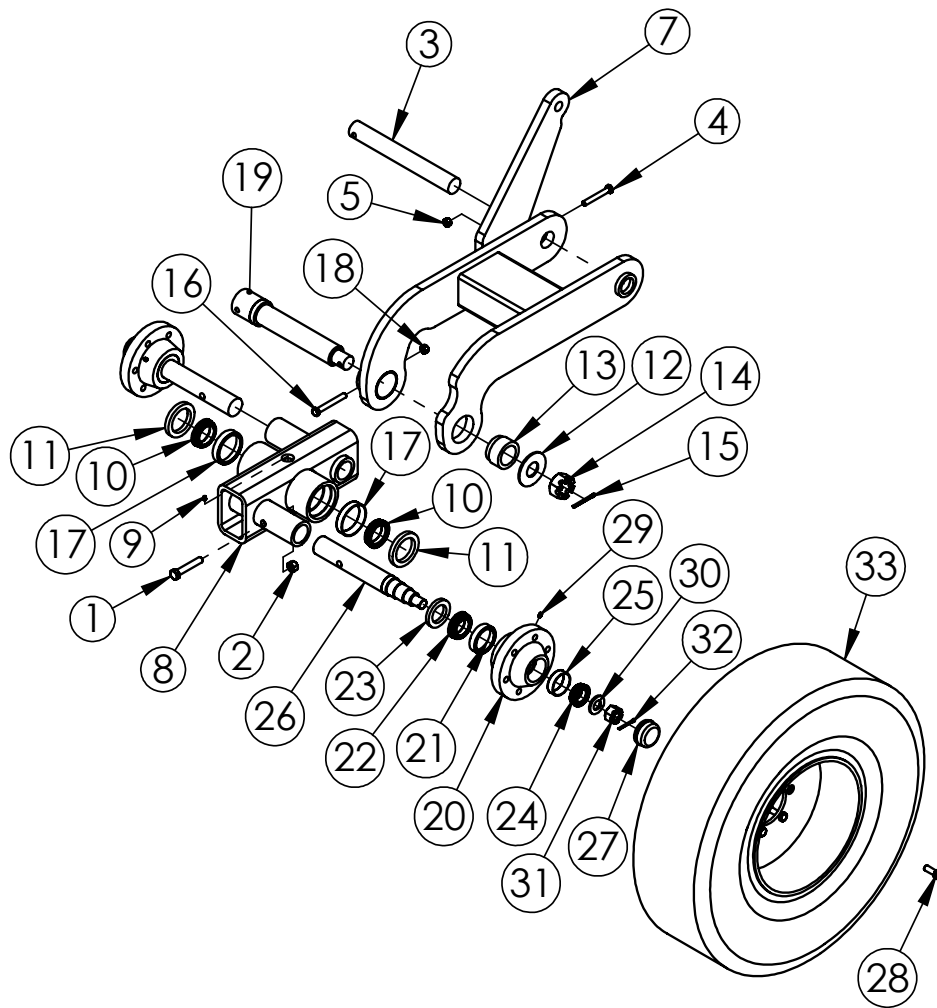


Fig.	Part no.	Qty	Description
1	600356116	2	Bolt 5/8" x 3 1/2"
2	600366031	2	Locknut 5/8"
3	604003282	1	Pin, Wheel Arm Pivot
4	600356137	1	Bolt 1/2" x 3 1/2"
5	600366030	1	Locknut 1/2"
6	604002129	1	Wheel Arm, Right (not shown)
7	604002128	1	Wheel Arm, Left
8	604002130	1	Wing Tandem Weldment
9	600471000	2	Grease Fitting
10	76301131	2	Cone LM 506849
11	600473057	2	Seal CR 27361 (HDDL)
12	600381054	1	Flatwasher 1 1/2" SAE
13	604002063	1	Bushing, Tandem Pivot
14	600366036	1	Slotted Nut 1 1/2" - 12 UNF
15	600383005	1	Pin, Cotter 5/16" x 2 1/2"
16	600356105	1	Bolt 1/2" x 4
17	76301137	2	Race JLM 506810
18	600366030	1	Locknut 1/2"
19	604002047	1	Pin, Tandem Pivot
20	-	2	Hub 5000lb
20a	763011269	-	Hub 5000lb (Includes Items 21, 25, 28 & 29)
20b	763011609	-	Hub 5000lb, Complete (Includes Items 20a, 22, 23, 24, 27)
20c	760013002	-	Kit, 6-Bolt Hub Bearing (Includes Items 21, 22, 23, 24, 25, 27, 30, 31 & 32)
21	76301135	2	Race LM 501310
22	76301129	2	Cone LM 501349
23	600473001	2	Seal CR 20044 (HDDL)
24	76301132	2	Cone LM 67048
25	76301134	2	Race LM 67010
26	763012199	2	Spindle 5000lb
26a	763012198	2	Spindle Assembly Complete (Includes Items 26, 30, 31, 32)
27	76301143	2	Dust Cap
28	76301151	12	Lug Bolt 9/16"-18
29	600471000	2	Grease Fitting
30	76301157	2	Flatwasher 2" OD x 13/16" ID
31	76301153	2	Slotted Nut 3/4" - 16 UNF
32	76101249	2	Pin, Cotter 5/32" x 1 3/4"
33	600473111	2	Wheel Assembly 11L-15 - Galaxy, 6-Bolt (Includes Items 34 & 35)
34	600473112	-	Rim 15 x 8, 6-Bolt
35	600473105	-	Tire 11L - 15
			Quantities listed for one complete wing tandem axle assembly

Gang & Scraper Assembly

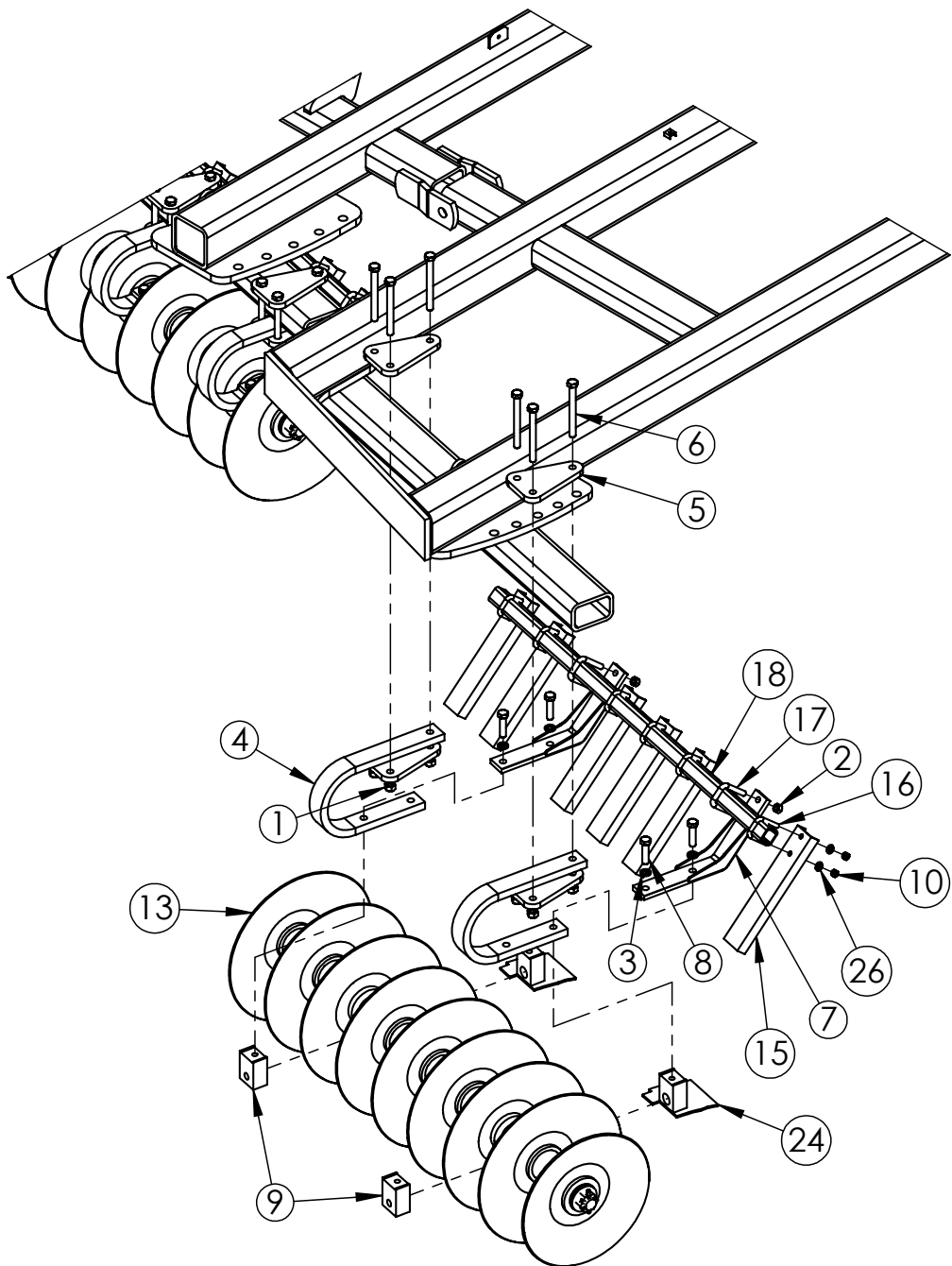


Fig.	Part no.	Qty	Description
1	600366024	6*	Locknut 3/4"
2	600366031	4*	Locknut 5/8"
3	600382055	4*	Lockwasher 3/4"
4	604002040	2*	Spring, Disc Cushion
5	604002067	4*	Plate, Gang Mount
6	600355067	6*	Bolt 3/4" x 7 1/2"
7	760012002	2*	Bracket, Scraper Mount
	604002193	2*	Bracket, Scraper Mount (past revision - used with scraper 604002178)
8	600355001	4*	Bolt 3/4" x 3"
9	604002087	2*	Tower, Gang Bearing
10	600366030	12*	Locknut 1/2"
11	604001040	1	Gang Assembly, 10-Blade Center Front - 25' Model (not shown)
12	604001039	1	Gang Assembly, 9-Blade Center Rear - 25' Model (not shown)
13	604001037	1	Gang Assembly, 9-Blade Wing Front - 25' Model
14	604001038	1	Gang Assembly, 11-Blade Wing Rear - 25' Model (not shown)
15	760011010	6*	Channel, Scraper
	604002178	6*	Blade, Scraper (past revision - used with bracket 604002193)
16	600373061	6*	U-Bolt 1/2" x 2" x 3 1/4"
17	600373112	2*	U-Bolt 5/8" x 2" x 3 1/2"
18	604002180	4	Tube, 9-Blade Gang Scraper - 25' Model
19	604002181	2	Tube, 10-Blade Gang Scraper - 25' Model (not shown)
20	604002182	2	Tube, 11-Blade Gang Scraper (not shown)
21	604002190	2	Tube, 12-Blade Gang Scraper - 15' Model (not shown)
22	604001062	2	Gang Assembly, 11-Blade Front - 15' Model (not shown)
23	604001063	2	Gang Assembly, 12-Blade Rear - 15' Model (not shown)
24	760012000	2*	Gang Bearing Scraper Wdmt LH
25	760012001	*	Gang Bearing Scraper Wdmt RH (not shown)
26	600381050	12*	Flatwasher 1/2"
		*	Quantities listed for diagram example only. Quantities vary for other gang assemblies

Gang Assemblies

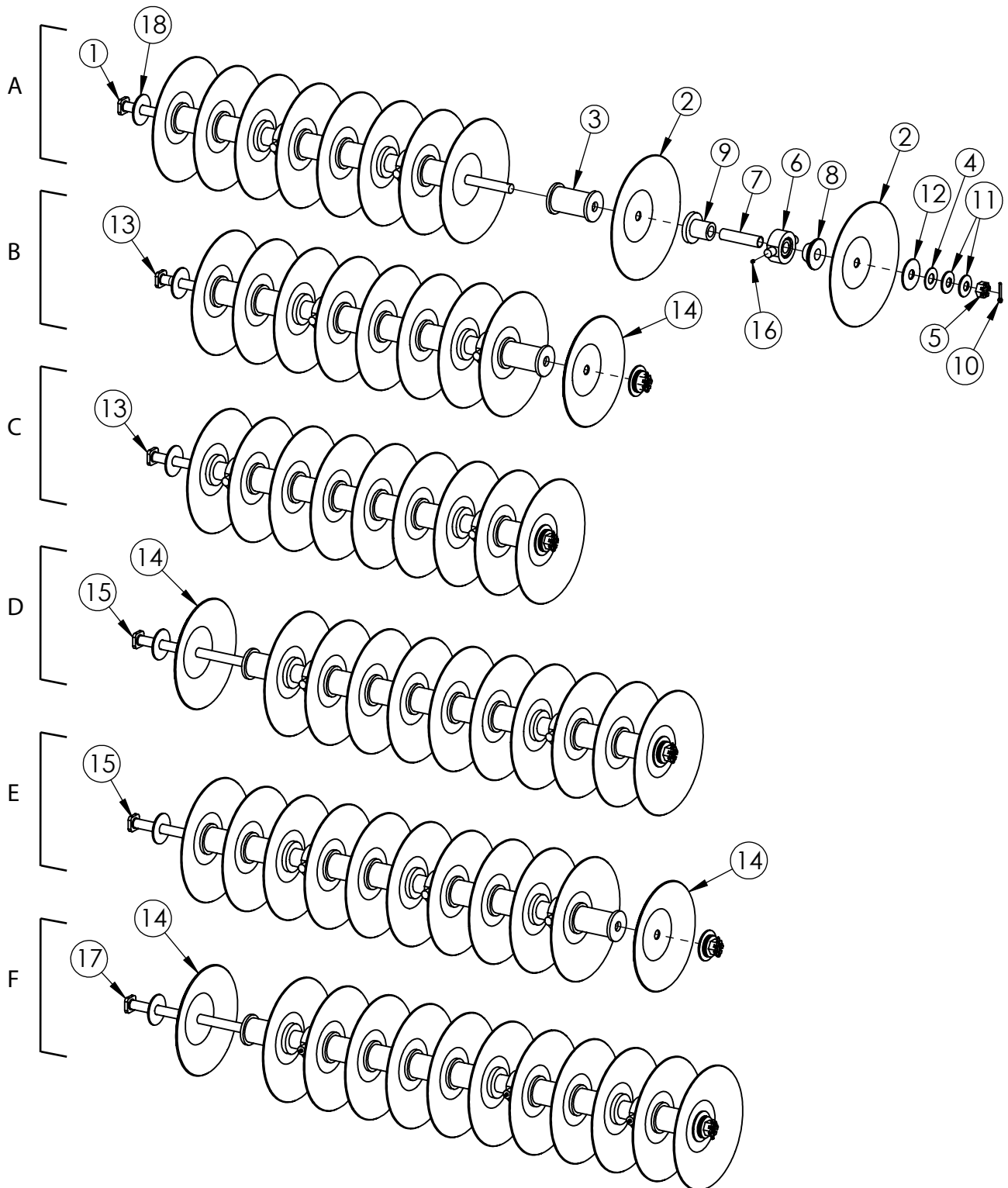


Fig.	Part no.	Qty	Description
1	604002065	1	Shaft, 10-Blade
2	604002124	10*	Blade, Soil Razor 20"
3	604002127	6*	Spool, Full
4	600381016	1*	Flatwasher 1 1/2"
5	600366017	1	Slotted Nut 1 1/2"
6	600451005	3*	Trunion Bearing, Complete
7	604002086	3*	Bushing, Bearing
8	604002131	3*	Spool, Half Short
9	604002132	3*	Spool, Half Long
10	600383025	1	Pin, Cotter 3/8 x 2 1/2
11	600381027	2	Washer, Belleville
12	604002159	1	Washer, Disc Gang, 1/2" Thick
13	604002064	1	Shaft, 9-Blade
14	604002125	1*	Blade, Soil Razor 18"
15	604002066	1	Shaft, 11-Blade
16	600471004	3*	Grease Fitting 1/8"
17	604003292	1	Shaft, 12-Blade
18	604002194	1	Washer, Disc Gang, 1/4" Thick
		*	Quantities listed for diagram example only. Quantities vary for other gang assemblies
A	604001040	2	Gang Assembly, 10-Blade Center Front (25' Model)
B	604001037	2	Gang Assembly, 9-Blade Wing Front (25' Model)
C	604001039	2	Gang Assembly, 9-Blade Center Rear (25' Model)
D	604001038	2	Gang Assembly, 11-Blade Wing Rear (25' Model)
E	604001062	2	Gang Assembly, 11-Blade Front (15' Model)
F	604001063	2	Gang Assembly, 12-Blade Rear (15' Model)

15' Model ONLY

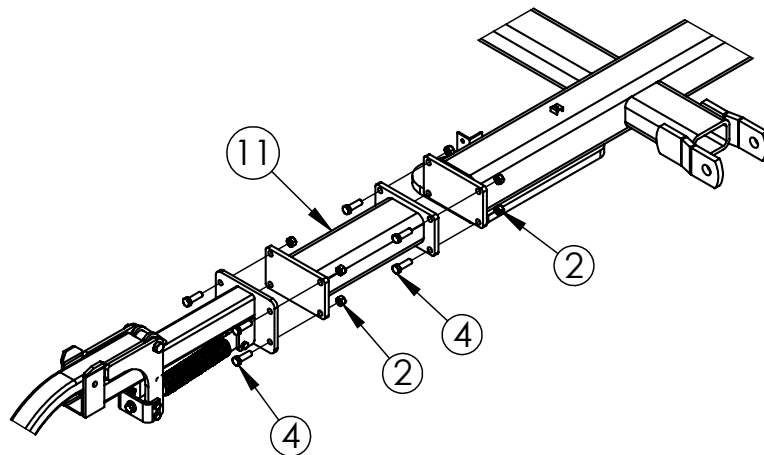


Fig.	Part no.	Qty	Description
1	600355052	16*	Bolt 5/8" x 4 1/2"
2	600366031	24*	Locknut 5/8"
3	603151235	2*	Harrow Arm Assembly
4	600355028	8*	Bolt 5/8" x 2"
5	603151215	1	Tube, Roller Frame - 3400 (25' Model)
6	603151214	2	Tube, Roller Frame - 2500 (Used on 25' model wings & 15' Model center)
7	603151267	1	Roller Assembly - 3400 (25' Model)
8	603151266	2	Roller Assembly - 2500 (Used on 25' model wings & 15' Model center)
9	603151217	2*	Plate, Bearing Arm Clamp
10	603151231	2*	Plate, Roller Frame Tube Clamp
11	604002191	2	Extension Tube (15' Model)
		*	Quantities listed for one complete roller assembly with two arms.

Harrow Arm & Roller Assembly Details

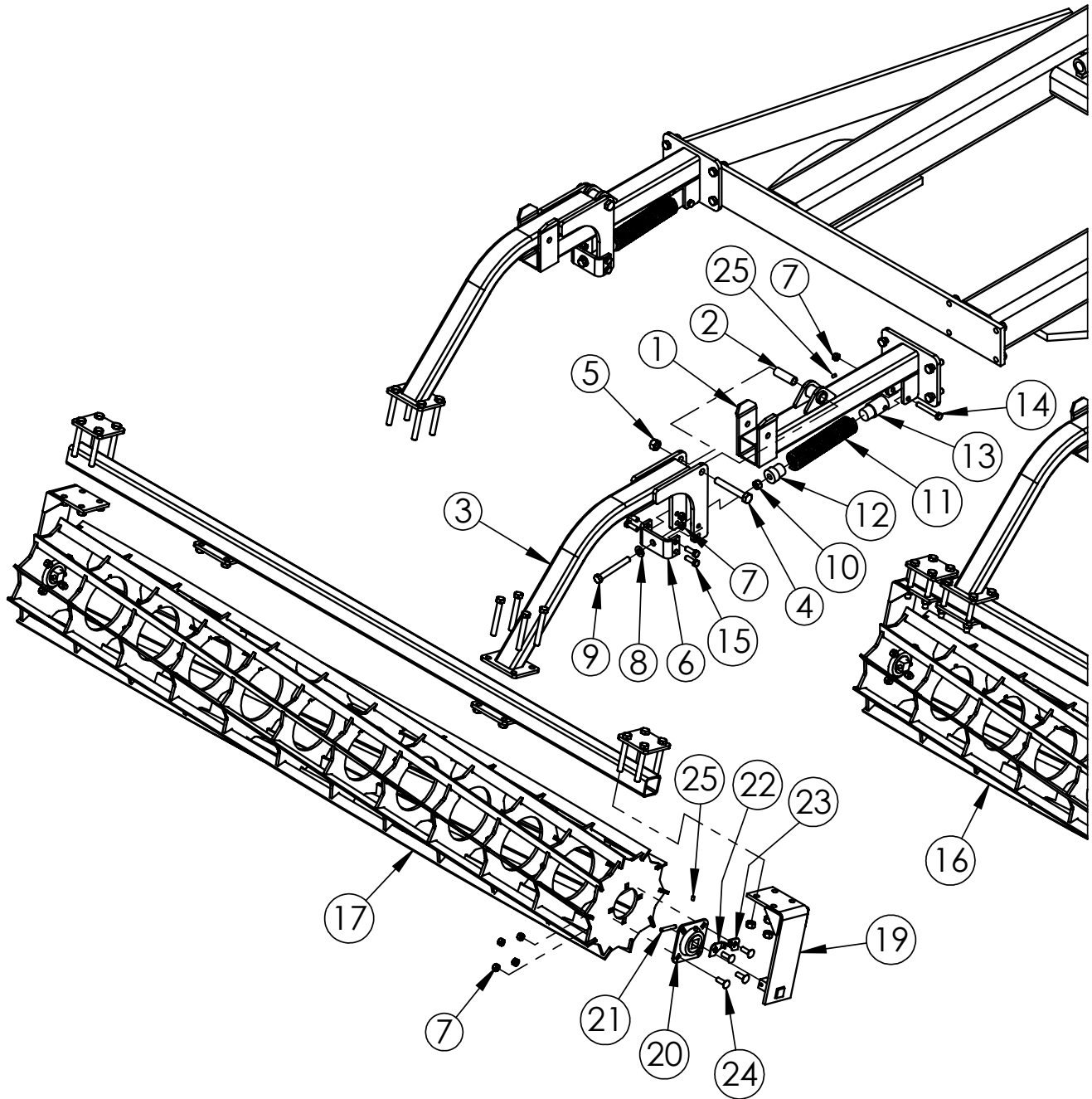


Fig.	Part no.	Qty	Description
1	603151227	1*	Front Harrow Arm Weldment
2	603151234	1*	Bushing, Harrow Arm
3	603151233	1*	Rear Harrow Arm Weldment
4	600355047	1*	Bolt 3/4" x 5" GR. 8
5	600366024	1*	Locknut 3/4"
6	603151232	1*	Bracket, Spring Mount
7	600366030	9*	Locknut 1/2"
8	600381020	1*	Flatwasher 5/8"
9	600373072	1*	Bolt 5/8" x 5"
10	600365014	1*	Nut 5/8"
11	601000510	1*	Spring, C-Shank
12	601000511	1*	Insert, C-Shank Spring - Top
13	601000512	1*	Insert, C-Shank Spring - Bottom
14	600355066	1*	Bolt 1/2" x 3 1/2" GR. 8
15	600355044	4*	Bolt 1/2" x 1 1/2" GR. 8
16	603151209	1	Roller Weldment, 3400 (25' Model)
17	603151208	2	Roller Weldment, 2500 (Used on 25' model wings & 15' Model center)
18	603151265	2	Bearing Arm Assembly (Includes Items 19, 20 & 21)
19	603151216	1*	Bearing Arm
20	600451006	1*	Roller Bearing
21	600383013	1*	Pin, Roll 3/8" x 2 1/2"
22	603151240	1*	Grease Fitting Shield - Left
23	603151241	1*	Grease Fitting Shield - Right
24	600361036	4*	Carriage Bolt 1/2" x 1 1/2"
25	600471000	1*	Grease Fitting
		*	Quantities listed for one harrow arm assembly and one bearing arm assembly

Lift Hydraulics (25' Model)

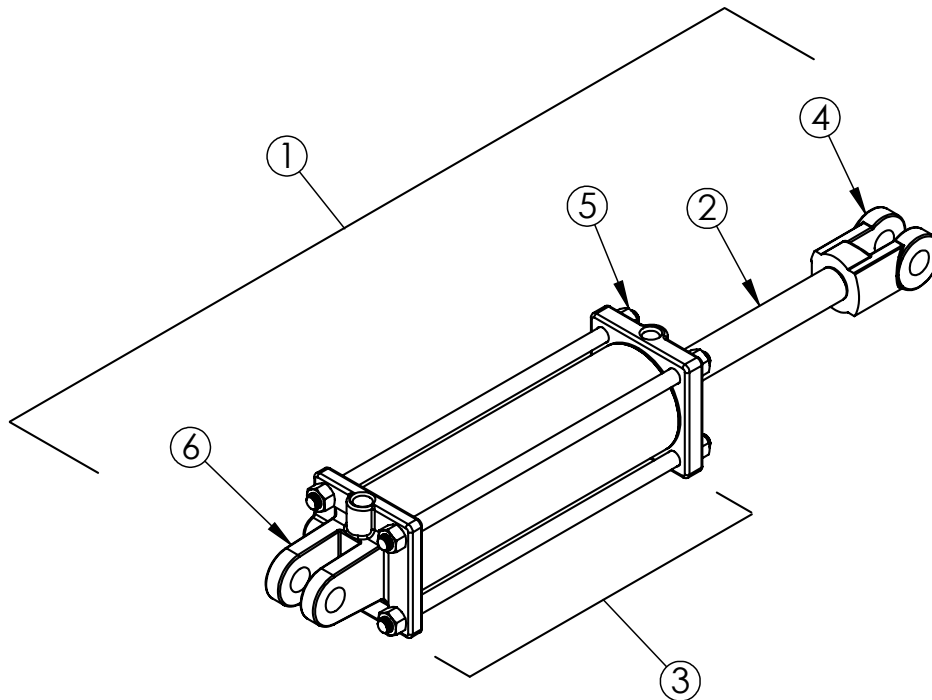
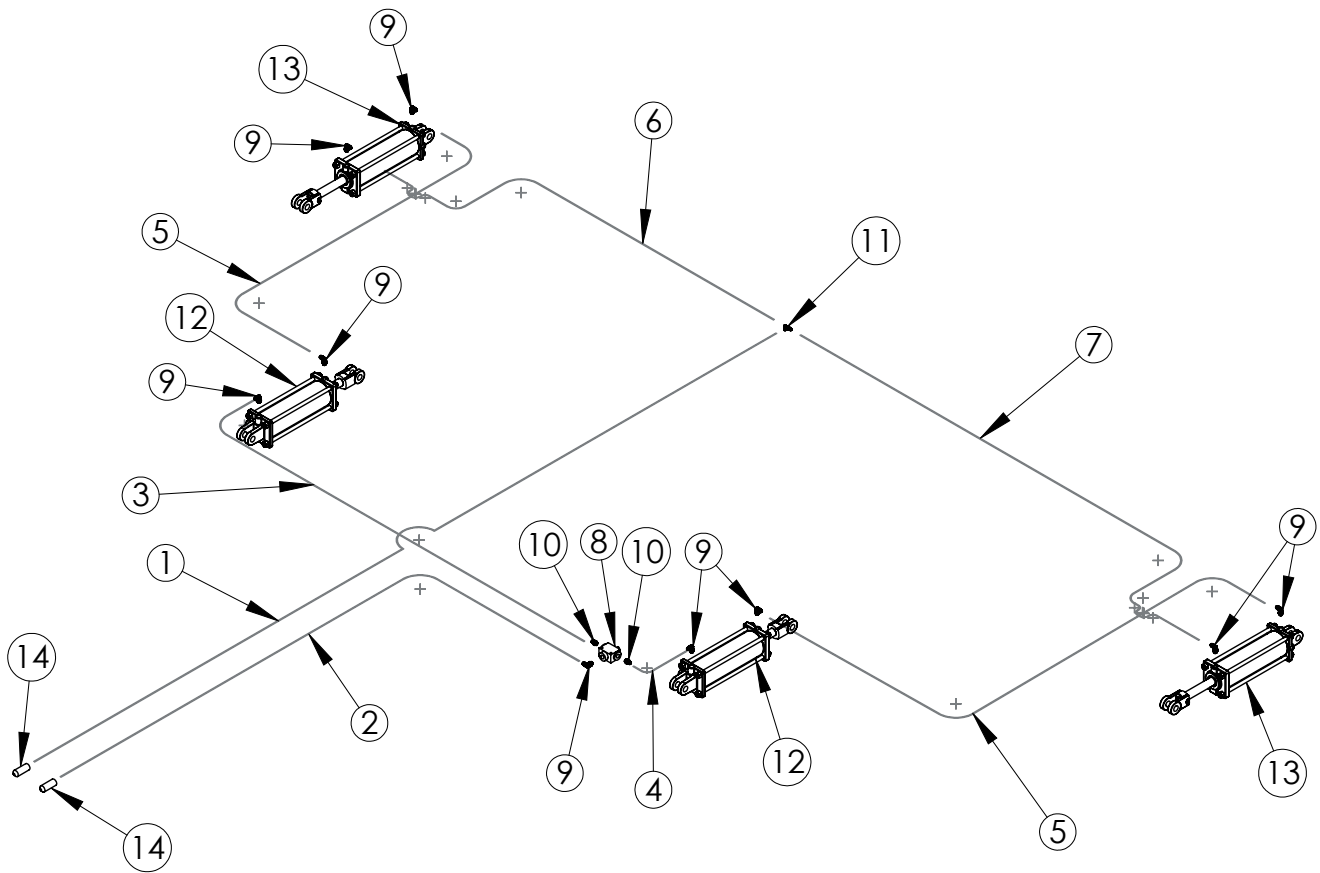


Fig.	Part no.	Qty	Description
1	600470451	1	3/8" Hose x 1/2 MP x 1/2 JIC - 300
2	600470450	1	3/8" Hose x 1/2 MP x 1/2 JIC - 235
3	600470443	1	3/8" Hose x 1/2 JIC x 1/2 JIC - 102
4	600470442	1	3/8" Hose x 1/2 JIC x 1/2 JIC - 16
5	600470444	2	3/8" Hose x 1/2 JIC x 1/2 JIC - 120
6	600470453	1	3/8" Hose x 1/2 JIC x 1/2 JIC - 150
7	600470452	1	3/8" Hose x 1/2 JIC x 1/2 JIC X 124
8	600470070	1	Single Point Hydraulic Valve
9	600470049	8	Elbow 1/2 ORB x 1/2 JIC x 90°
10	600470048	2	Staight 1/2 ORB x 1/2 JIC
11	600470004	1	Tee 1/2" JIC
12	600474642	2	Cylinder, 4" Rephasing - 12" Stroke (Monarch)
13	600474643	2	Cylinder, 3 3/4" Rephasing - 12" Stroke (Monarch)
14	600470110	2	Pioneer Male Tip
15	600470047	30	7/8" Hose Holder (not shown)
16	600361039	20	Carriage Bolt, 1/4" x 1" (not shown)
17	600382058	20	Lock Washer, 1/4" (not shown)
18	600365006	20	Standard Nut, 1/4" (not shown)
1	600474642	1	Cylinder, 4" Rephasing - 12" Stroke (Monarch)
2	600474645	1	Rod, 3 3/4" & 4" x 12" Cylinder
3	600474651	-	Kit, Seal 4" x 12" Cylinder
4	600474644	1	Clevis, 3 3/4" & 4" x 12" Cylinder
5	600474649	4	Tie Rod, 3 3/4" & 4" x 12" Cylinder
6	600474647	1	Endcap, Base, 4" Cylinder
1	600474643	1	Cylinder, 3 3/4" Rephasing - 12" Stroke (Monarch)
2	600474645	1	Rod, 3 3/4" & 4" x 12" Cylinder
3	600474652	-	Kit, Seal 3 3/4" x 12" Cylinder
4	600474644	1	Clevis, 3 3/4" & 4" x 12" Cylinder
5	600474649	4	Tie Rod, 3 3/4" & 4" x 12" Cylinder
6	600474648	1	Endcap, Base, 3 3/4" Cylinder

Fold Hydraulics

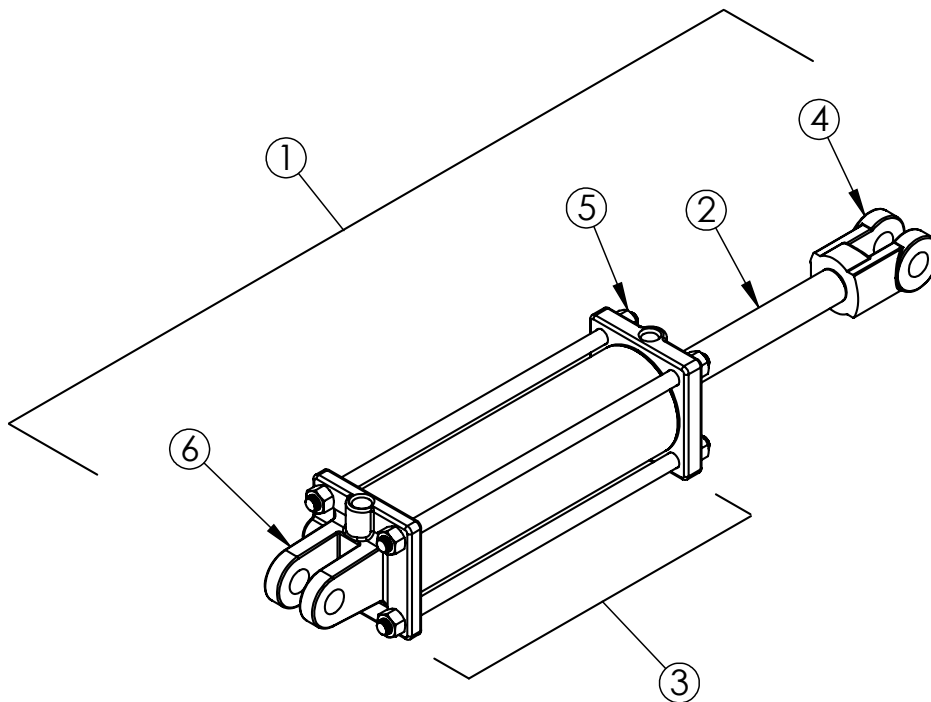
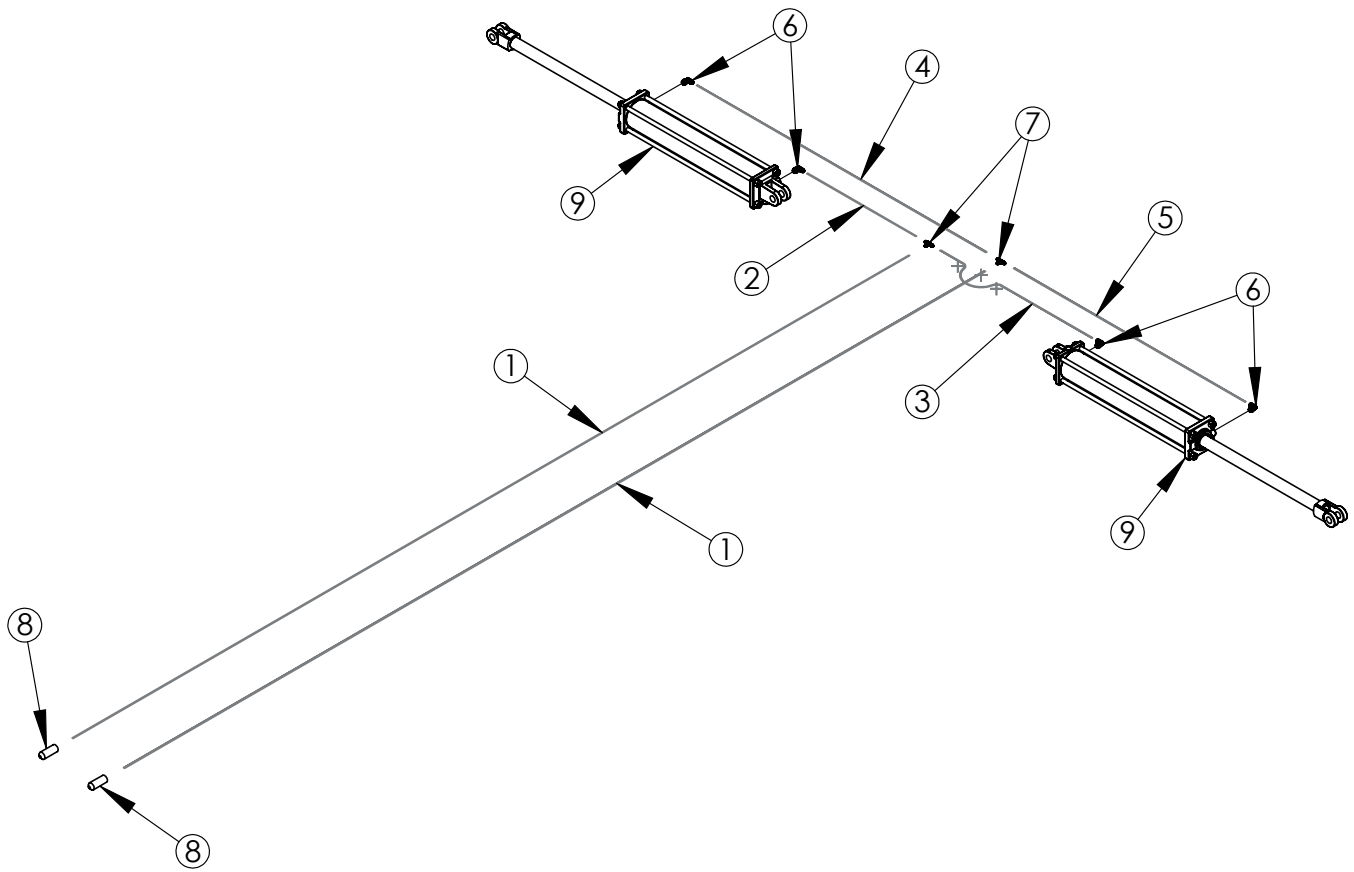


Fig.	Part no.	Qty	Description
1	600470445	2	1/4" Hose x 1/2" MPT x 3/8" JIC x 276"
2	600470446	1	1/4" Hose x 3/8" JIC x 3/8" JIC x 20"
3	600470447	1	1/4" Hose x 3/8" JIC x 3/8" JIC x 43"
4	600470448	1	1/4" Hose x 3/8" JIC x 3/8" JIC x 48"
5	600470449	1	1/4" Hose x 3/8" JIC x 3/8" JIC x 72"
6	76201001	4	No. 6 MJIC x No. 8 Male Oring Boss 90
7	600470003	2	Tee 3/8" JIC
8	600470110	2	Pioneer Male Tip
9	600474640	2	Cylinder, 4" - 24" Stroke (Monarch)
10	600470007	14	3/4" Hose Holder (not shown)
11	600361039	8	Carriage Bolt, 1/4" x 1" (not shown)
12	600382058	8	Lock Washer, 1/4" (not shown)
13	600365006	8	Standard Nut, 1/4" (not shown)
1	600474640	1	Cylinder, 4" - 24" Stroke (Monarch)
2	600474646	1	Rod, 4" x 24" Cylinder
3	600474653	-	Kit, Seal 4" x 24" Cylinder
4	600474644	1	Clevis, 3 3/4" & 4" x 12" Cylinder
5	600474650	4	Tie Rod, 4" x 24" Cylinder
6	600474647	1	Endcap, Base, 4" Cylinder

Lift Hydraulics (15' Model)

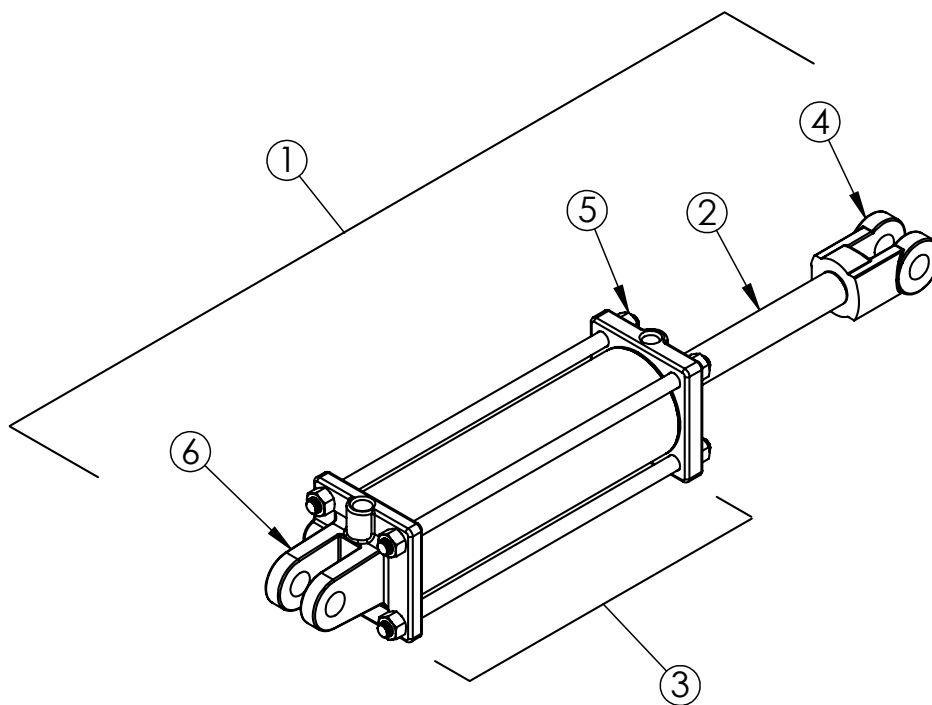
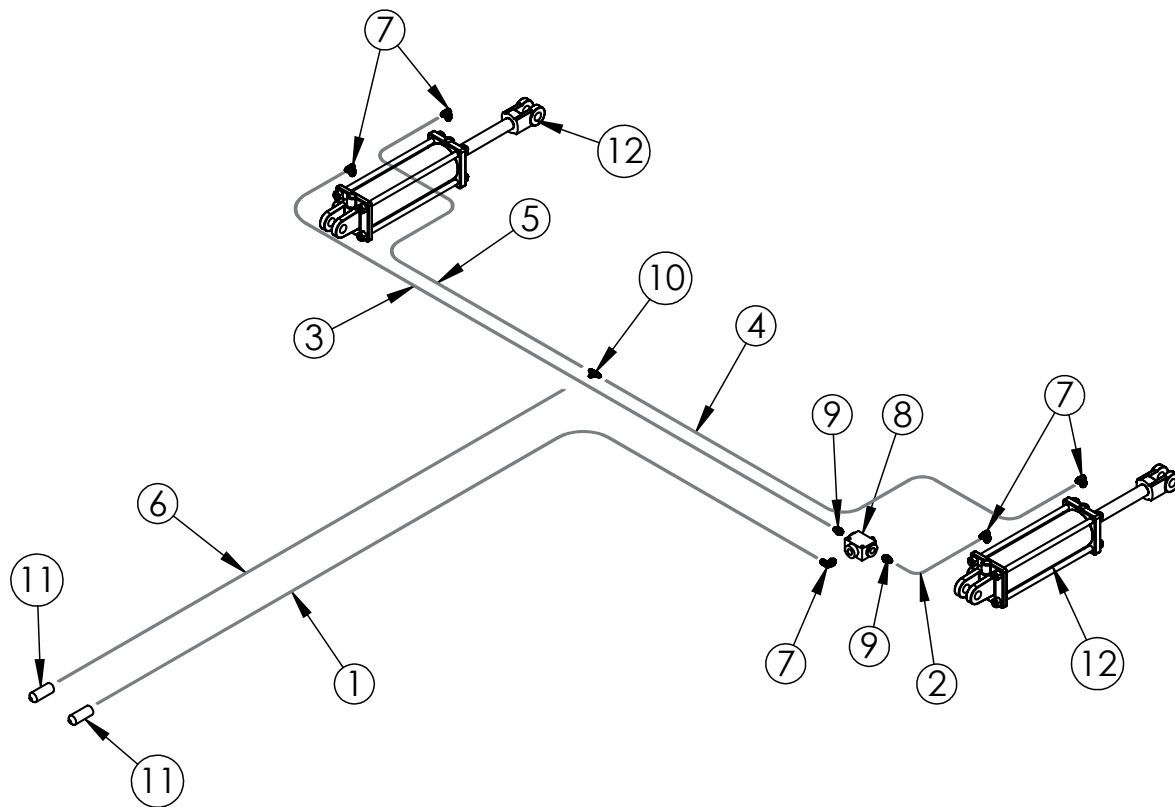


Fig.	Part no.	Qty	Description
1	600470450	1	3/8" Hose x 1/2 MP x 1/2 JIC - 235
2	600470442	1	3/8" Hose x 1/2 JIC x 1/2 JIC - 16
3	600470443	1	3/8" Hose x 1/2 JIC x 1/2 JIC - 102
4	600470457	1	3/8" Hose x 1/2 JIC x 1/2 JIC - 82
5	600470458	1	3/8" Hose x 1/2 JIC x 1/2 JIC - 55
6	600470456	1	3/8" Hose x 1/2 MP x 1/2 JIC - 192
7	600470049	4	Elbow 1/2 ORB x 1/2 JIC x 90°
8	600470070	1	Single Point Hydraulic Valve
9	600470048	2	Staight 1/2 ORB x 1/2 JIC
10	600470004	1	Tee 1/2" JIC
11	600470110	2	Pioneer Male Tip
12	600474642	2	Cylinder, 4" Rephasing - 12" Stroke (Monarch)
13	600470047	12	7/8" Hose Holder (not shown)
16	600361039	10	Carriage Bolt, 1/4" x 1" (not shown)
17	600382058	10	Lock Washer, 1/4" (not shown)
18	600365006	10	Standard Nut, 1/4" (not shown)
1	600474642	1	Cylinder, 4" Rephasing - 12" Stroke (Monarch)
2	600474645	1	Rod, 3 3/4" & 4" x 12" Cylinder
3	600474651	-	Kit, Seal 4" x 12" Cylinder
4	600474644	1	Clevis, 3 3/4" & 4" x 12" Cylinder
5	600474649	4	Tie Rod, 3 3/4" & 4" x 12" Cylinder
6	600474647	1	Endcap, Base, 4" Cylinder

Leveling Hydraulics

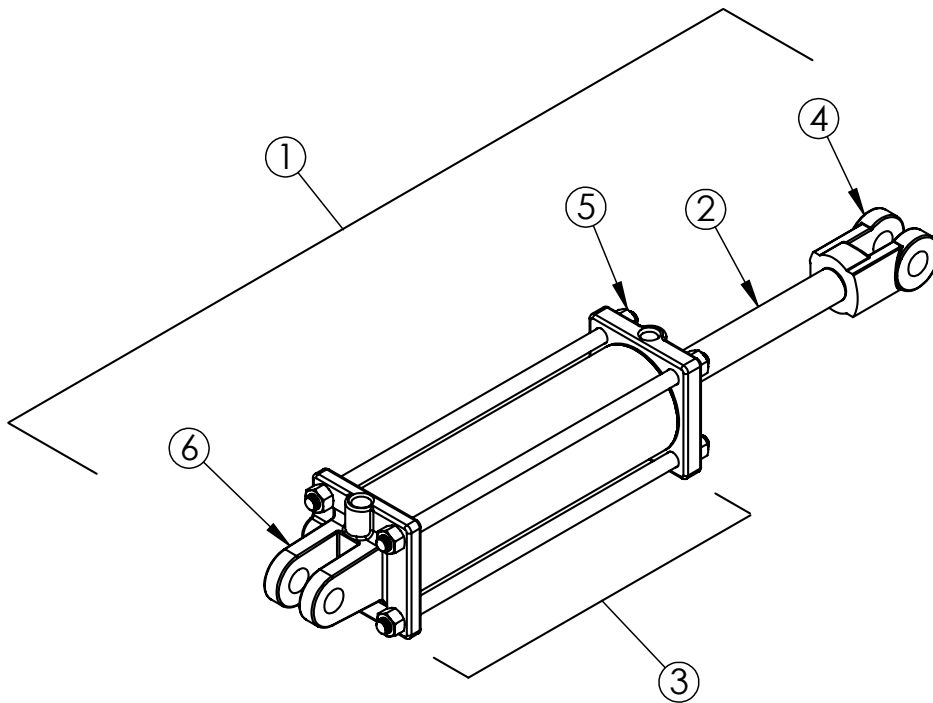
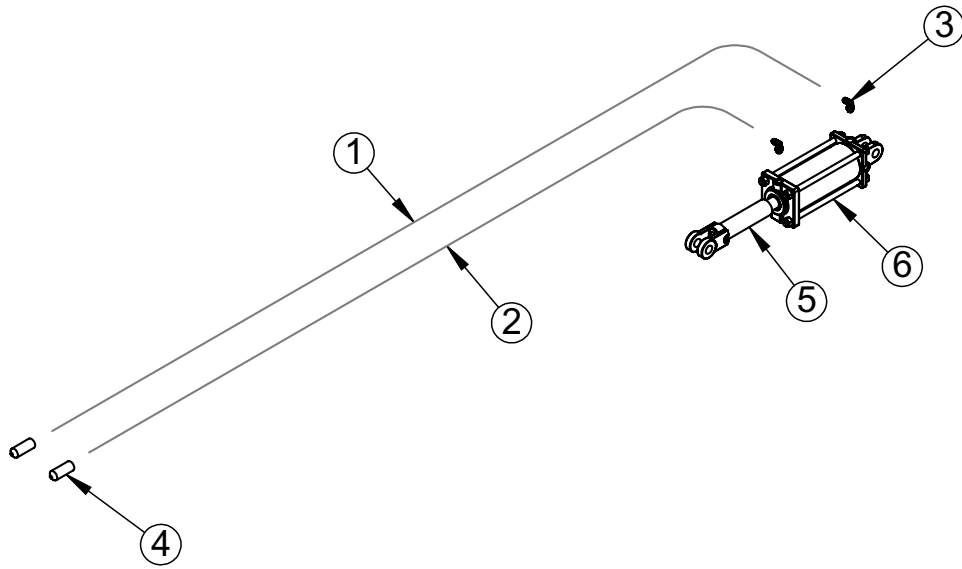


Fig.	Part no.	Qty	Description
1	7600470460	1	1/4" Hose x 1/2 MP x 3/8 JIC(F) - 180
2	7600470459	1	1/4" Hose x 1/2 MP x 3/8 JIC(F) - 168
3	600470124	2	Elbow 1/2 ORB x 3/8 JIC x 90° w/restrictor
4	600470110	2	Pioneer Male Tip
5	760011007	1	Cylinder Sleeve
6	7600474658	1	Cylinder, 4" x 8" Stroke - Monarch (Cylinder Pins Included)
-	760013000	1	Leveling Cylinder Assembly (Includes Items 5 & 6)
7	7600470461	4	1-1/2" Hose Holder (not shown)
8	600361039	4	Carriage Bolt, 1/4" x 1" (not shown)
9	600382058	4	Lock Washer, 1/4" (not shown)
10	600365006	4	Standard Nut, 1/4" (not shown)
1	7600474658	1	Cylinder, 4" x 8" Stroke (Monarch)
2	7600474659	1	Rod, 4" x 8" Cylinder
3	7600474660	-	Kit, Seal 4" x 8" Cylinder
4	600474644	1	Clevis, 3 3/4" & 4" x 12" Cylinder
5	7600474661	4	Tie Rod, 4" x 8" Cylinder
6	600474647	1	Endcap, Base, 4" Cylinder

Lighting Assembly

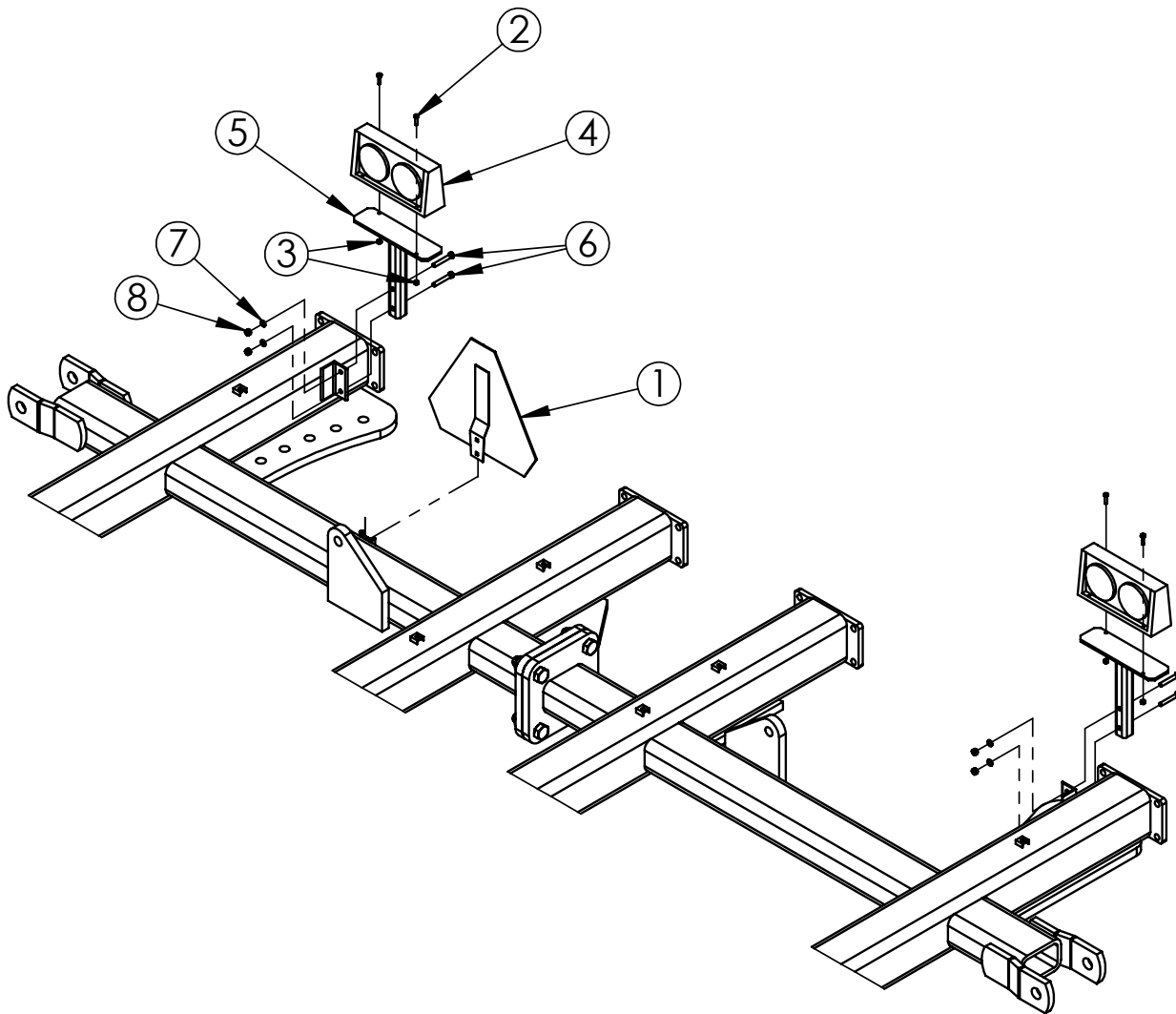
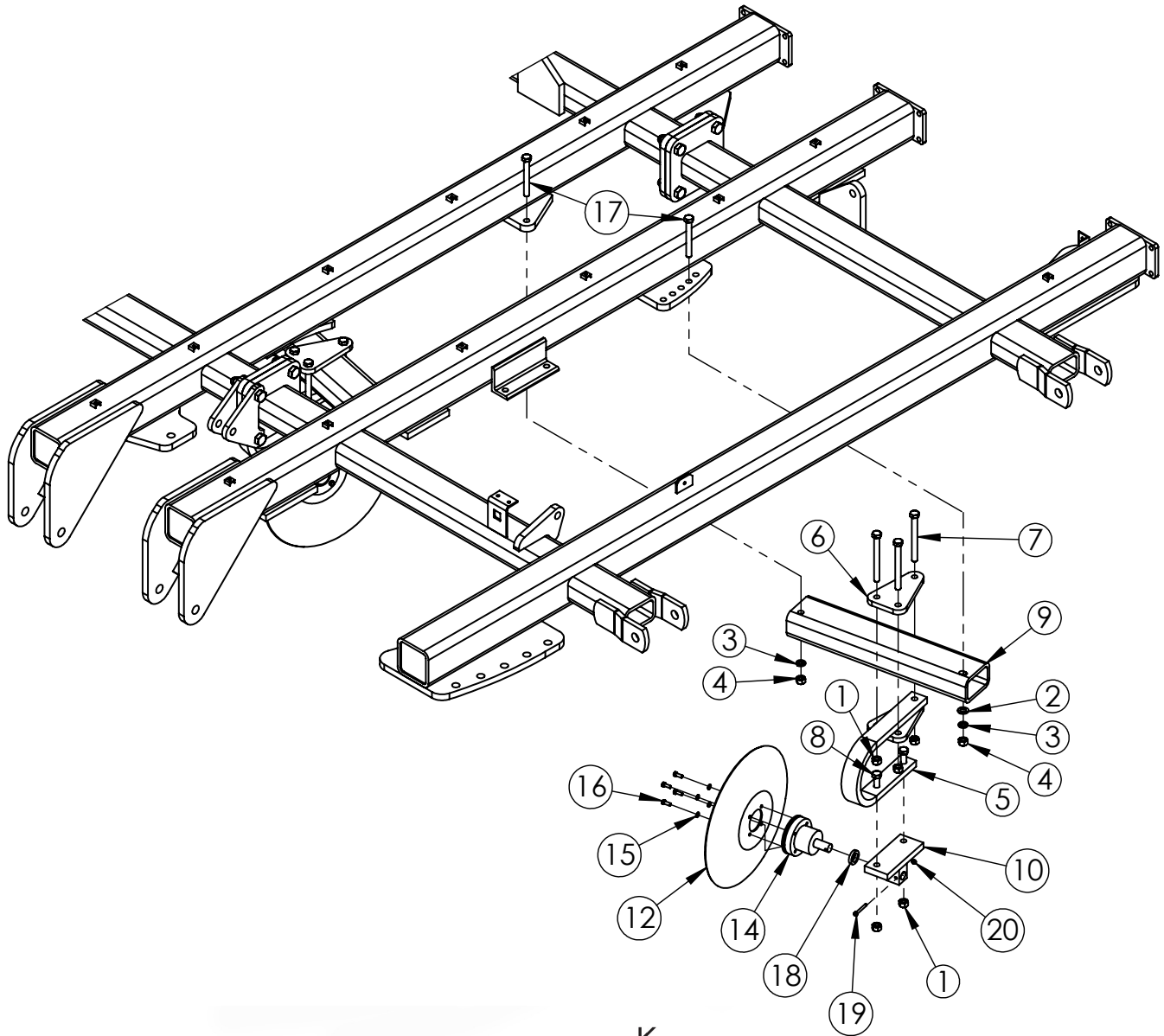


Fig.	Part no.	Qty	Description
1	601140845	1	SMV Sign
2	600356138	4	Bolt 1/4" x 1"
3	600366026	4	Locknut 1/4"
4	600600266	1	Deluxe Light Kit
5	604002068	2	Stand, Light Mounting
6	600356007	4	Bolt 3/8" x 2 1/2"
7	600382051	4	Lockwasher 3/8"
8	600365008	4	Nut 3/8"

Center Disc Assembly - Optional



Coulter Hub Details

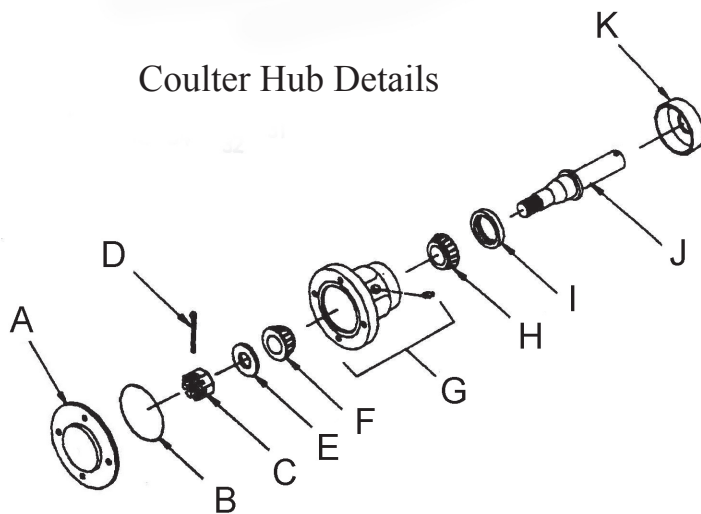


Fig.	Part no.	Qty	Description
1	600366024	5	Locknut 3/4"
2	600381009	1	Flatwasher 3/4"
3	600382055	2	Lockwasher 3/4"
4	600365019	2	Nut 3/4"
5	604002040	1	Spring, Disc Cushion
6	604002067	2	Plate, Gang Mount
7	600355067	3	Bolt 3/4" x 7 1/2"
8	600355001	2	Bolt 3/4" x 3"
9	604002102	1	Tube, Coulter Gang
10	604002105	1	Bracket, Coulter Mount
11	600383028	1	Roll Pin 5/16" x 2"
12	604002144	1	Blade, Soil Razor 20", Special
13	6900930101	1	Coulter Hub Assembly (Includes Items 11 & 14)
14	6900930071	1	Coulter Hub Complete (Includes Coulter Details & items 15 & 16)
A	690090117	1	Coulter Cover
B	600473081	1	O-Ring #AS568-230
C	600366011	1	Slotted Nut 1" UNF
D	600383043	1	Cotter Pin 3/16" x 1-1/4"
E	600473085	1	Washer, EM 1000
F	600452021	1	Bearing, L44649
G	KC00473042	1	Coulter Hub w/cups & grease fitting 600471004
H	600452002	1	Bearing, LM48548
I	600473000	1	Bearing Seal CR17406
J	190090682	1	Spindle
K	7690090718	1	Dust Cover
15	600382051	4	Lockwasher 3/8"
16	600356020	4	Bolt 3/8" x 1"
17	600355021	2	Bolt 3/4" x 6" GR. 8
18	760011008	1	Spacer
19	600356148	1	Bolt 5/16" x 2 1/2"
20	600366027	1	Locknut 5/16"
			Quantities listed for one complete center disc assembly

Center Tine Assembly - Optional

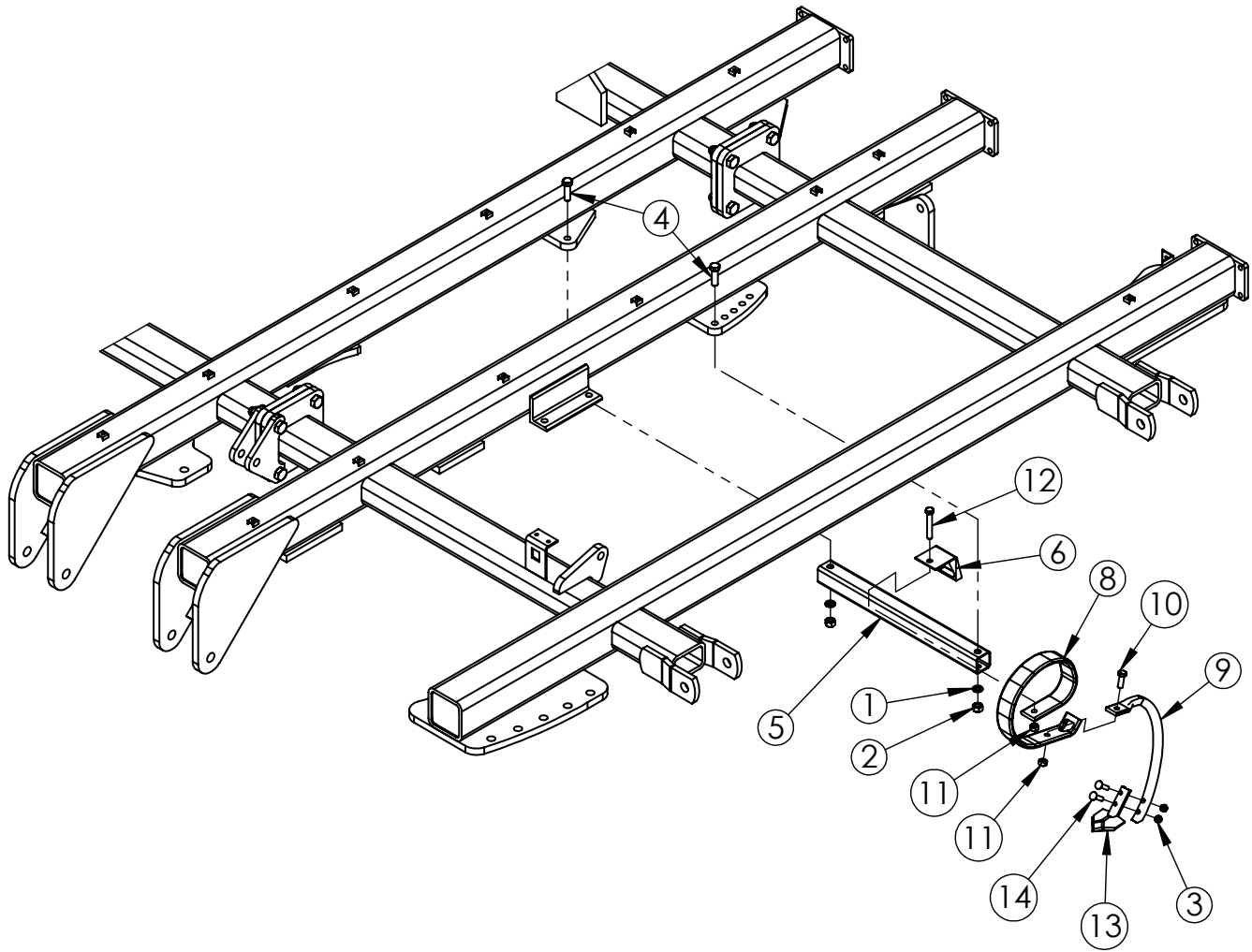


Fig.	Part no.	Qty	Description
1	600382055	2	Lockwasher 3/4"
2	600365019	2	Nut 3/4"
3	600366030	2	Locknut 1/2"
4	600356011	2	Bolt 3/4" x 2 1/2" GR. 8
5	604003283	1	Tube, Center Tine
6	101000838	1	Clamp, Tine
7	601241147	1	Tine Assembly (Includes Items 8, 9, 10 & 11)
8	101000835	1	Coil, Tine VTH-L 12mm
9	101000837	1	Stem, Tine VTH
10	600373076	1	Bolt 5/8" x 1 3/4" UNF GR. 8
11	600366025	2	Locknut 5/8" UNF
12	600373075	1	Bolt 5/8" x 4" UNF GR. 8
13	101002004	1	Sweep, 4"
14	100323128	2	Bolt, M12 x 48 (Includes Item 3)

Page left blank intentionally



Notes: _____

