

MODEL 3505 70 CM PIVOT FOLD PLANTER PARTS MANUAL

M0311-02

Rev. 10/25

This manual is applicable to: Model: 3505 Twin-Line Planters
 (Row Hoppers and Bulk Fill)
 2025 Production and on

Record the model number and serial number of your planter along with date purchased:

Serial Number _____

Date Purchased _____

Information in this manual was current at time of printing. However, due to Kinze's ongoing product improvement, production changes may cause your machine to appear slightly different in detail. Kinze Manufacturing, Inc. reserves the right to change specifications or design without notice and without incurring obligation to install the same on machines previously manufactured.

Right hand (R.H.) and left hand (L.H.), as used throughout this manual, are determined by facing in the direction the machine will travel when in use, unless otherwise stated.

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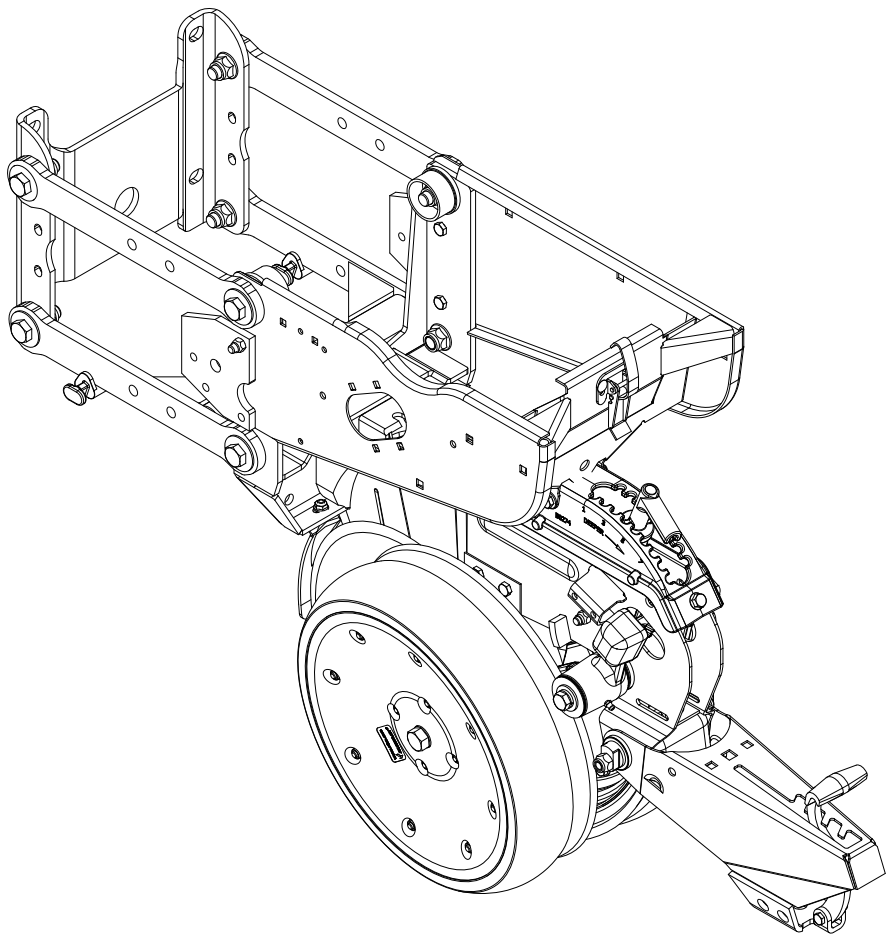
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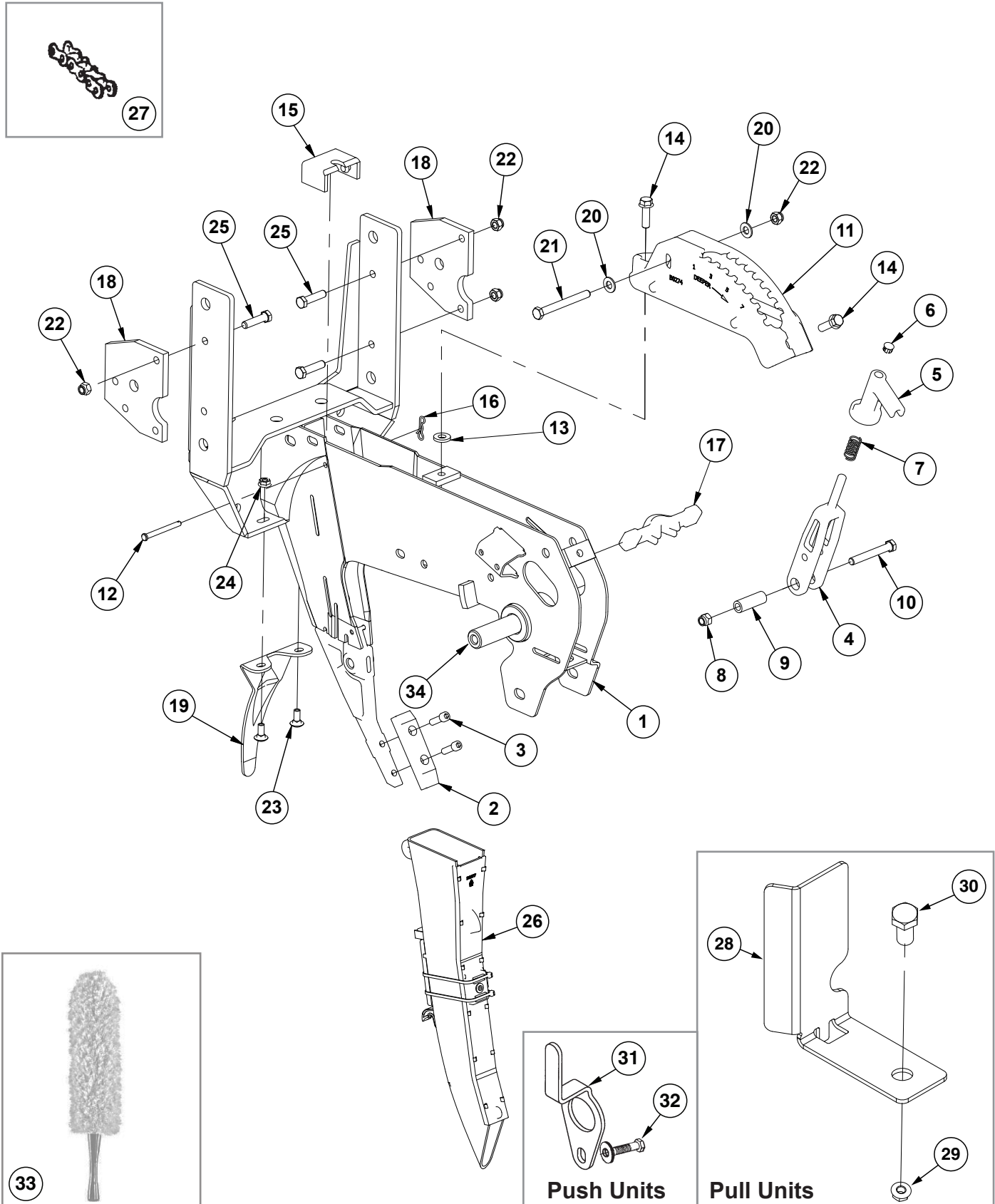
NOTE: Row unit assembly does not include the following: seed meter assembly, seed tube assembly, row unit hopper assembly, closing wheels, or seed meter clutch.



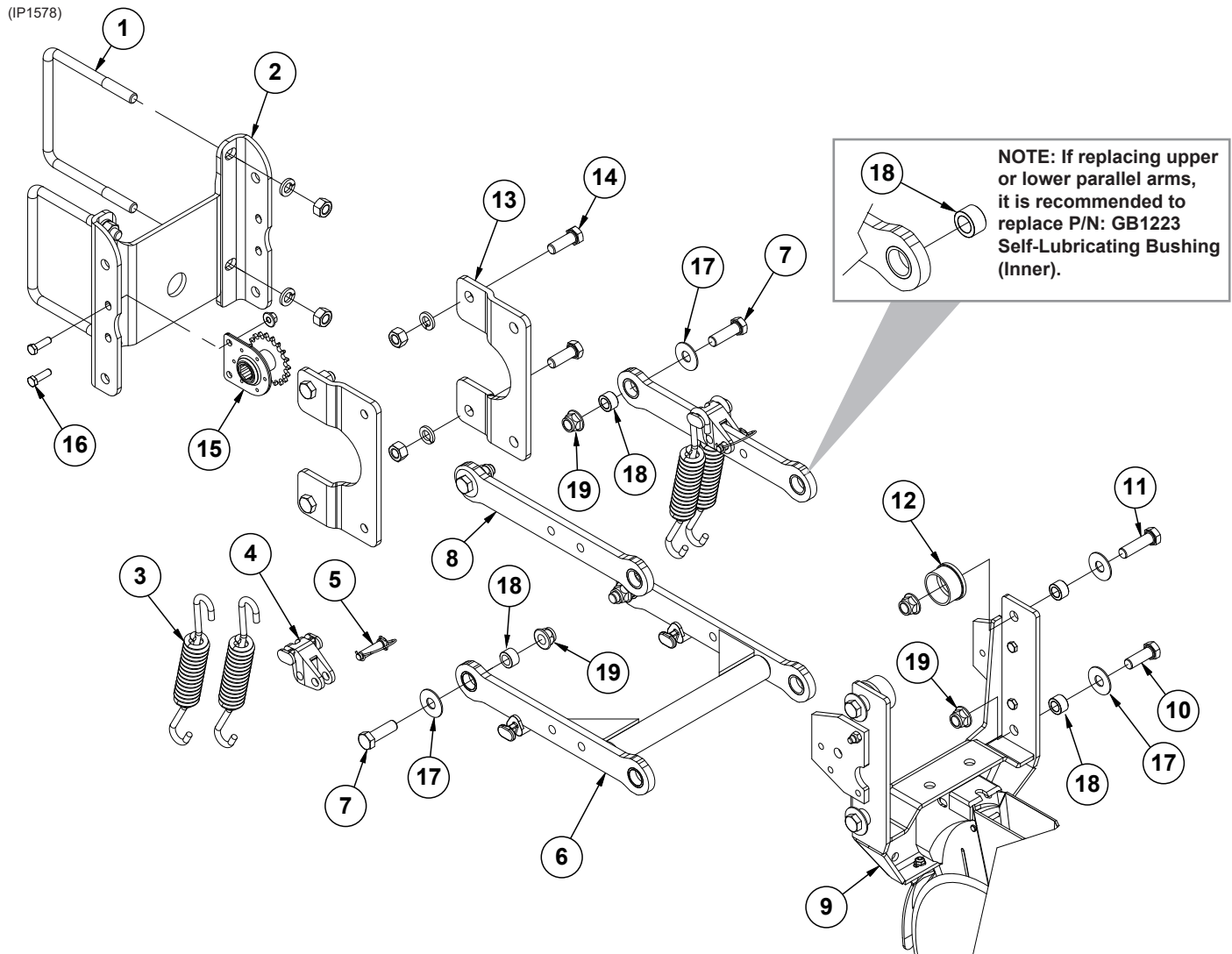
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G10502X	1	Pull Row Unit Assembly (Standard Gauge Wheels)
2	G10984X	1	Pull Row Unit Assembly (Spoked Gauge Wheels)

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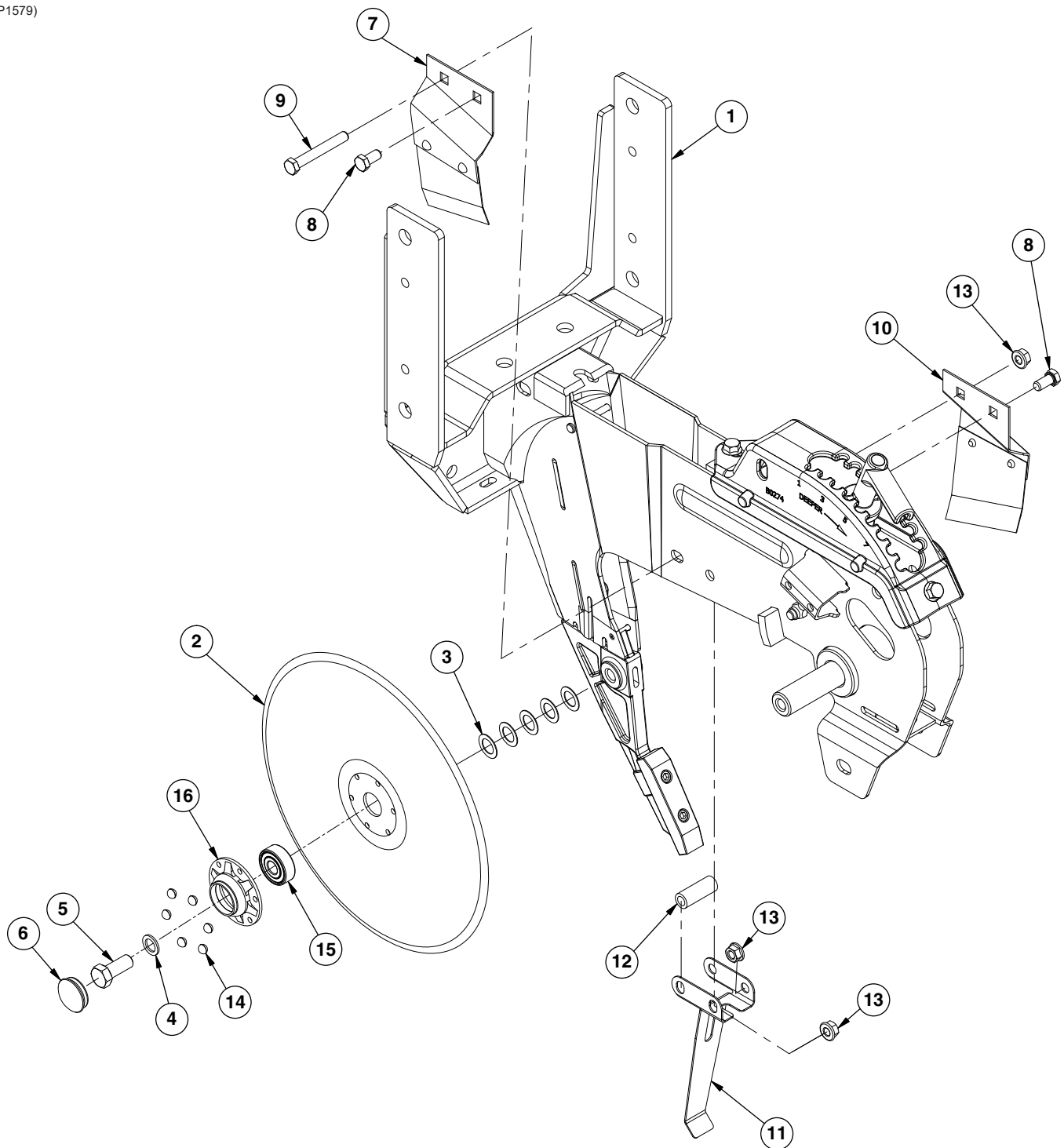


ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GA10157	-	Shank W/Gauge Wheel Pivot Spindle and Set Screw (Non-True Speed)
	G10258402	-	Shank W/Gauge Wheel Pivot Spindle and Set Screw (True Speed)
2	G10038601	1	Scraper (Non-True Speed only)
3	G10500901	2	Hex Socket Head Cap Screw, 5/16"-18 x 1" (Non-True Speed only)
4	GB0267	1	Lever, Depth Adjustment
5	GB0266	1	Handle, Depth Adjustment
6	GD3612	1	Cap Plug
7	GD10993	1	Spring
8	G11591	1	Nylon Lock Nut, 3/8"-24, Grade C
9	GD11259	1	Sleeve, 3/8" I.D. x 5/8" O.D. x 1 ²⁵ / ₃₂ " Long
10	G11592	1	Hex Head Cap Screw, 3/8"-24 x 2 ³ / ₄ ", Grade 8
11	GB0274	1	Cover, Depth Adjustment
12	G10551	1	Clevis Pin, 1/4" x 2 1/2"
13	G10207	1	Washer, 7/8" O.D. x 1 ¹³ / ₃₂ " I.D. x .134" (If Applicable)
14	G11015	2	Hex Washer Head Cap Screw, 3/8"-16 x 1 1/4"
15	GD16245	1	Sun Shade (Rubber)
16	G10122301	1	Bow Tie Cotter Pin
17	GB0265	1	Pivot Link, Depth Adjustment
18	GD24545	2	Row Unit Stop
19	GD28390	1	Shield
20	G11387	2	Flat Washer, 3/8" SAE
21	G10061	1	Hex Head Cap Screw, 3/8"-16 x 3 1/2"
22	G10108	4	Lock Nut, 3/8"-16
23	G10312	2	Carriage Bolt, 5/16"-18 x 3/4"
24	G10620	2	Serrated Flange Nut, 5/16"-18
25	G10003	3	Hex Head Cap Screw, 3/8"-16 x 1 1/2"
26	GA21515	1	Seed Tube Assembly
27	G3303-124	1	Chain, No. 41, 124 Pitch Including Connector Link (Vacuum)
	GR0196	-	Connector Link, No. 41
28	GD29798	1	Chain Guard
29	G10071	1	Serrated Flange Nut, 1/2"-13
30	G10014	1	Hex Head Cap Screw, 1/2"-13 x 1"
31	GD17014	1	Hose Guide
32	G10753	1	Hex Head Cap Screw, 3/8"-16 x 4 1/2"
	G11387	7	Flat Washer, 3/8" SAE
	G10108	1	Lock Nut, 3/8"-16
33	G10475701	-	Professional Microfiber Duster, 19" (for cleaning Seed Tube sensors)
34	GD11001	1	Spindle
	G10438	1	Hex Head Cap Screw, 1/2"-13 x 3/4"



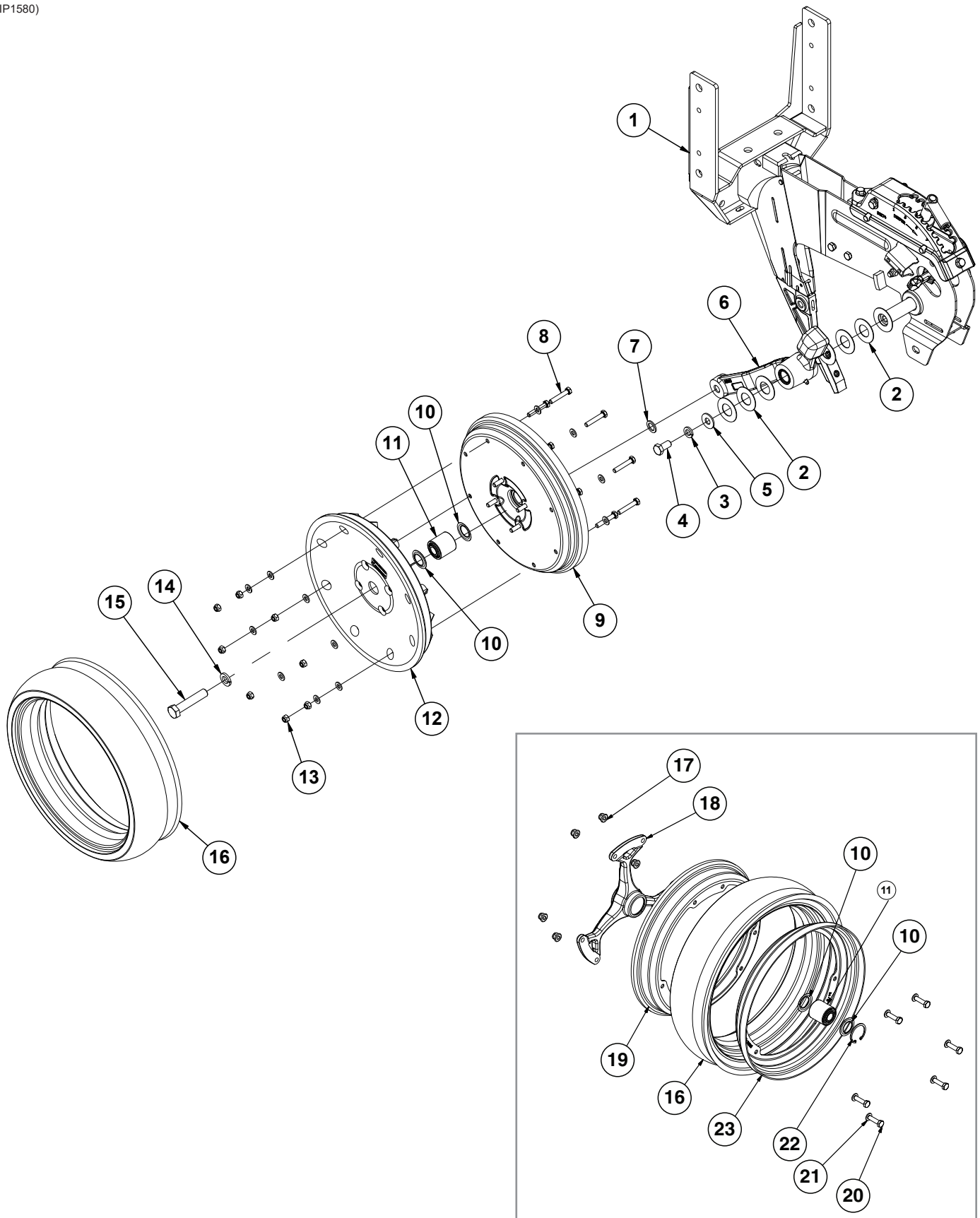
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GD1113	2	U-Bolt, 5" x 7" x 5/8"-11
	G10230	4	Lock Washer, 5/8"
	G10104	4	Hex Nut, 5/8"-11
2	GD10036	1	Mounting Support Plate
3	GD21337	4	Heavy Duty Down Pressure Spring
4	GB0186	2	Spring Anchor
5	GD14217	2	Tab Lock Pin, 7/16" x 1 1/2"
6	G10011201	1	Lower Parallel Arm Assembly
	GB1224		Self-Lubricating Bushing, 1 1/4" O.D. x 1" I.D. x 1/2" (Included in G10011201)
7	G10732	4	Hex Head Cap Screw, 5/8"-18 x 2"
8	G10011101	2	Upper Parallel Arm Assembly
	GB1224	2	Self-Lubricating Bushing, 1 1/4" O.D. x 1" I.D. x 1/2" (Included in G10011101)
9	---	1	See "Shank Assembly, Seed Tube, and Depth Adjustment" on page P3
10	G10751	2	Hex Head Cap Screw, 5/8"-18 x 1 3/4"
11	G10752	2	Hex Head Cap Screw, 5/8"-18 x 2 1/4"
12	GB0314	2	Hopper Mount
13	GB0366	2	Extension Bracket
14	G10005	4	Hex Head Cap Screw, 5/8"-11 x 1 3/4"
	G10230	4	Lock Washer, 5/8"
	G10104	4	Hex Nut, 5/8"-11
15	GA1720	1	Bearing/Sprocket, 7/8" Hex Bore
16	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G11091	2	Serrated Flange Nut, 3/8"-16
17	G11976	8	Flat Washer, 5/8" x 1 3/4"
18	GB1223	8	Self-Lubricating Bushing
19	G11514	8	Lock Nut, 5/8"-18
A	G6325X	-	U-Bolt Package For 5" x 7" Toolbar, Includes: (2) GD1113, (4) G10230, (4) G10104
B	G1K758	-	Pull Row Unit Parallel Arm Kit, Includes: (2) G10011101, (1) G10011201, (8) GB1223, (8) G11976, (4) G10732, (2) G10751, (2) G10752, (8) G11514, (1) IS1066

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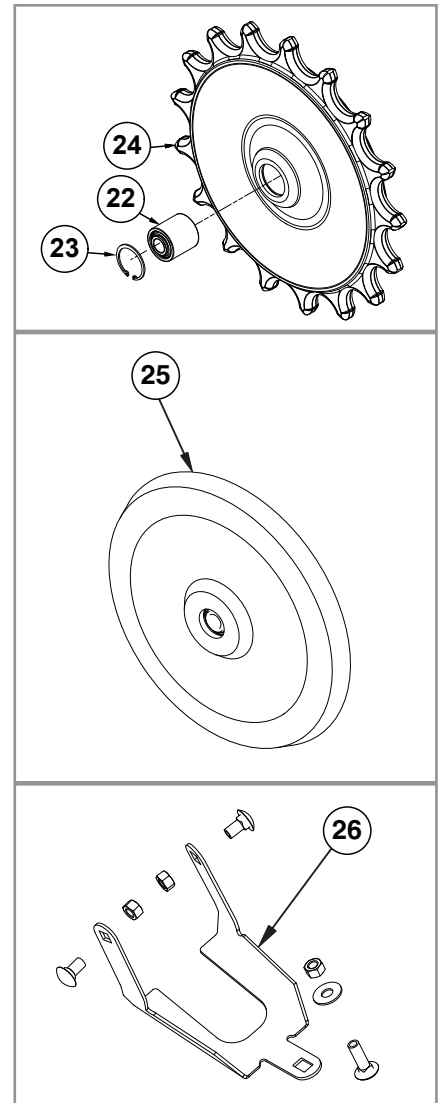
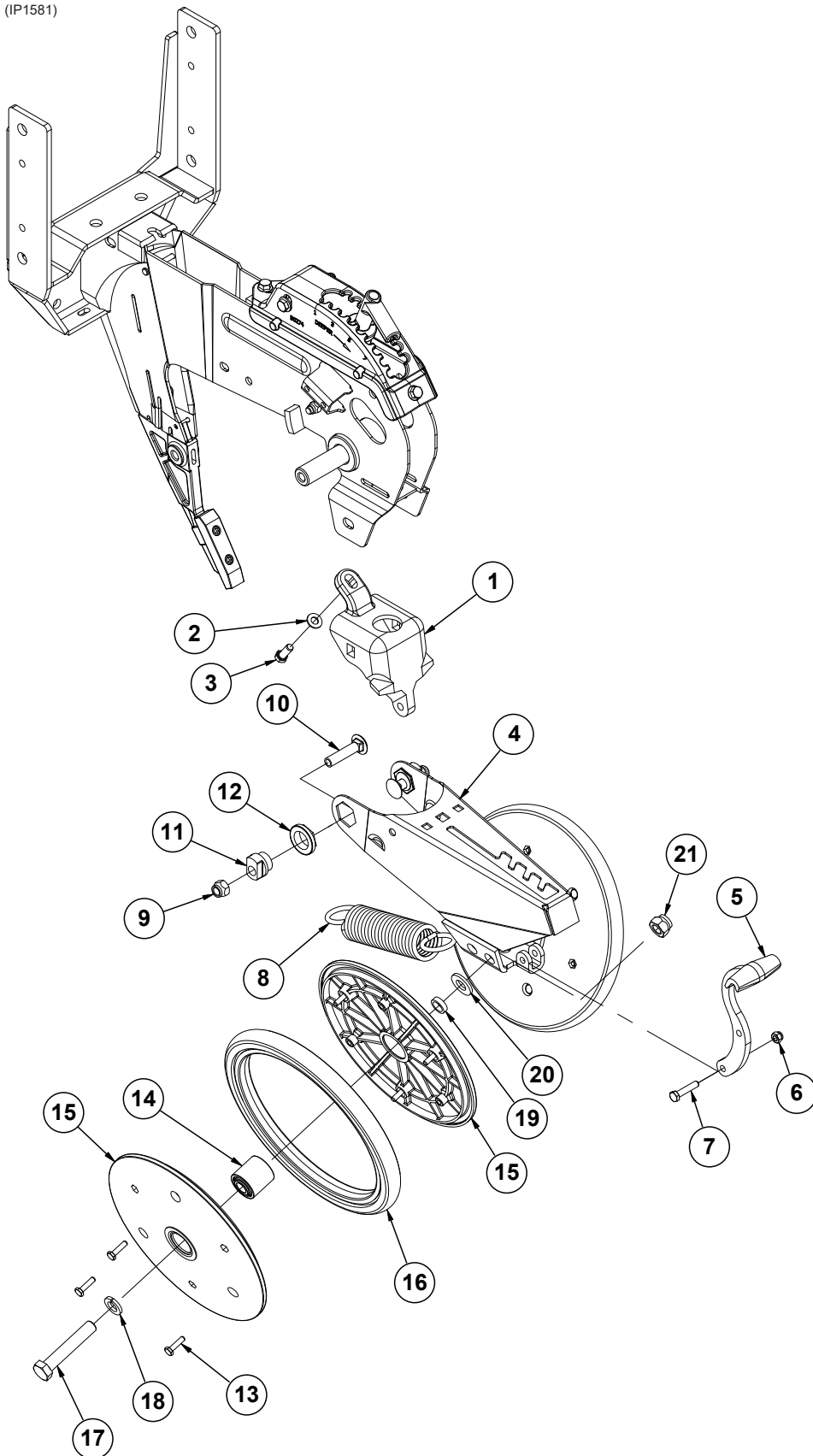
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	-	See "Shank Assembly, Seed Tube, and Depth Adjustment" on page P3
2	GD11306	1	Disc Blade, 3.5 mm x 15"
3	GD30725	10	Machine Bushing, $\frac{5}{8}$ " (.030" Thick) (5 Per)
4	G10204	2	Special Machine Bushing, $\frac{5}{8}$ " x 1" O.D.
5	GD36856	1	Opener Blade Bolt, $\frac{5}{8}$ "-11 x $1\frac{3}{4}$ ", Grade 5
	G10005	1	Hex Head Cap Screw, $\frac{5}{8}$ "-11 x $1\frac{3}{4}$ "
6	G10090401	2	Plastic Ribbed Hub Cap (1 Per)
7	GA2012L	1	Disc Scraper, L.H.
8	G10002	2	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $\frac{3}{4}$ "
9	G10325	1	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $2\frac{3}{4}$ "
10	GA2012R	1	Disc Scraper, R.H.
11	GD35444	1	Seed Tube Bracket
12	GD2971-26	1	Sleeve, $\frac{3}{8}$ " I.D x $\frac{5}{8}$ " O.D. x 1.63" Long
13	G10622	3	Serrated Flange Nut, $\frac{3}{8}$ "-16
14	GD36990	6	Rivet, $\frac{1}{4}$ " x $\frac{9}{16}$ "
15	GA26920	1	Bearing
16	GD36860		Bearing Housing
A	G10018801	-	Disc Blade/Bearing Assembly, Less Dust Cap (Items 2, 14-16)

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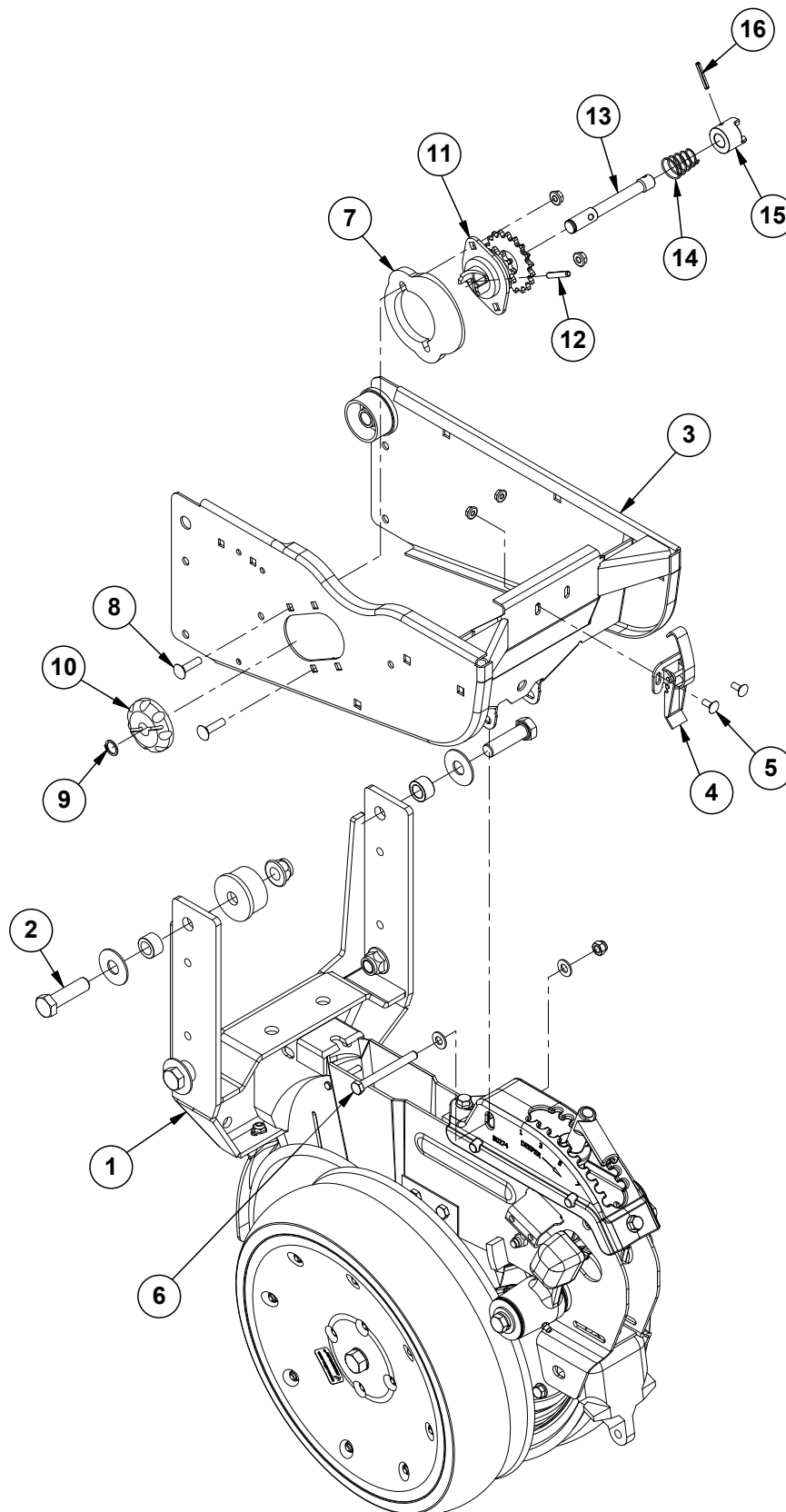
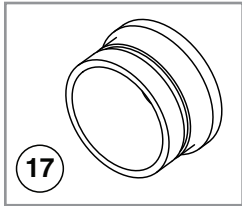
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	-	See "15" Seed Opener Disc Blade/Bearing Assembly and Scrapers" on page P7
2	G10940	7	Machine Bushing, 1" (.048" Thick)
3	G10228	2	Lock Washer, 1/2"
4	G10014	2	Hex Head Cap Screw, 1/2"-13 x 1"
5	G10216	2	Washer, 1/2" USS
6	GA21677	1	Wheel Arm W/Grease Fitting, Bushings, and Seals, L.H. (Shown)
	GA21676	-	Wheel Arm W/Grease Fitting, Bushings, and Seals, R.H.
	GD10991	2	Seal (Per Arm) (Included W/GA21677 and GA21676)
	GB0276	2	Bushing, 1" I.D. x 1 1/4" O.D. x 1" Long (Per Arm) (Included W/GA21677 and GA21676)
7	G10204	1	Special Machine Bushing, 5/8" x 1" O.D.
8	G10031	8	Carriage Bolt, 5/16"-18 x 1 3/4"
	G11386	8	Flat Washer, 5/16" SAE
9	G10028701	1	Half Gauge Wheel
	G10019	4	Hex Head Cap Screw, 5/16"-18 x 1"
	G11386	4	Flat Washer, 5/16" SAE
10	GD36713	2	Gauge Wheel Dust Shield
11	GA6171	1	Bearing
12	GD36709	1	Half Gauge Wheel
13	G10109	12	Lock Nut, 5/16"-18
	G11386	12	Flat Washer, 5/16" SAE
14	G10230	1	Lock Washer, 5/8"
15	G10010	1	Hex Head Cap Screw, 5/8"-11 x 3"
16	G10028601	1	Tire, 4 1/2" x 16
17	G10335001	6	Flanged Lock Nut, M8
18	G10334701	1	Hub
19	G10334901	1	Wheel Flange
20	G10335101	6	Screw, M8 x 30
21	G11386	6	Flat Washer, 5/16"
22	G10335201	1	Elastic Ring
23	G10334801	1	Wheel Flange
A	G10028801	-	Standard Gauge Wheel Complete (Items 8-13 and 16)
B	G10322501	-	Spoked Gauge Wheel Complete (Items 10-11 and 16-23)
C	G1K296	-	Gauge Wheel Arm Bushing and Seal Driver Kit, Includes: (1) Seal Driver, (1) Bushing Driver, (1) Instruction Sheet

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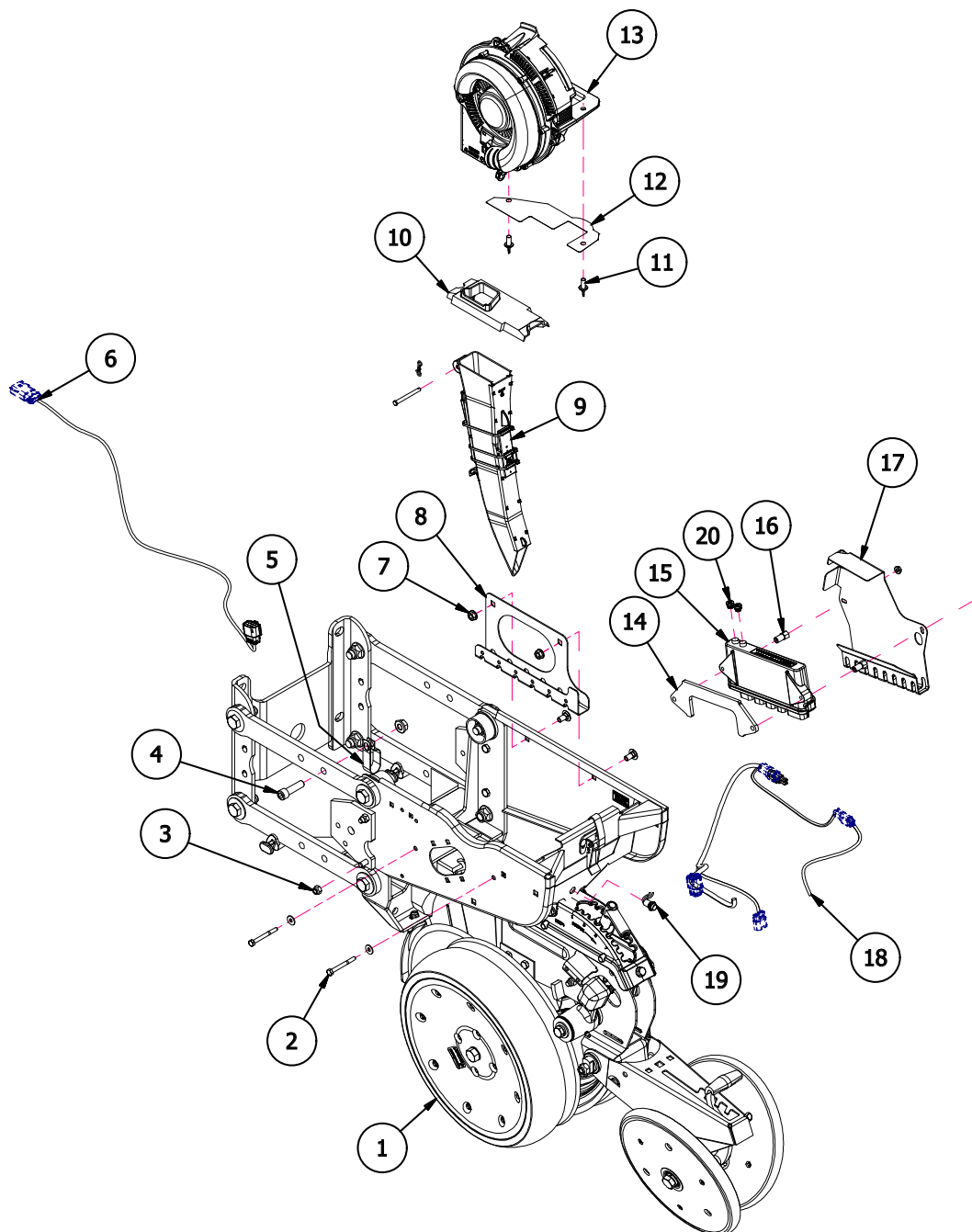
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GB0268	1	Wheel Arm Mount
2	G11387	1	Flat Washer, $\frac{3}{8}$ " SAE
3	G10001	1	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 1"
4	GA15197	1	Closing Wheel Arm
5	GB0254	1	Lever
6	G10109	1	Lock Nut, $\frac{5}{16}$ "-18, Grade 8
7	G10133	1	Hex Head Cap Screw, $\frac{5}{16}$ "-18 x $1\frac{1}{2}$ "
8	GD8460	1	Spring
9	G10111	2	Lock Nut, $\frac{1}{2}$ "-13
10	G11419	2	Carriage Bolt, $\frac{1}{2}$ "-13 x $2\frac{1}{4}$ "
11	GB0239	2	Eccentric Bushing
12	GB0282	2	Stepped Bushing
13	G10064	6	Hex Head Cap Screw, $\frac{1}{4}$ "-20 x 1"
14	GA6171	1	Bearing
15	GD9120	2	Nylon Half Wheel
16	GD1085	1	Rubber Tire, 1" x 12"
17	G10013	2	Hex Head Cap Screw, $\frac{5}{8}$ "-11 x $3\frac{1}{2}$ "
18	G10230	2	Lock Washer, $\frac{5}{8}$ "
19	GD1109	2	Bushing, $4\frac{1}{64}$ " I.D. x $\frac{7}{8}$ " O.D. x $\frac{1}{4}$ " Long
20	G11391	2	Flat Washer, $\frac{5}{8}$ " SAE
21	G10107	2	Lock Nut, $\frac{5}{8}$ "-11
22	GA6171	1	Bearing
23	G11862	1	Internal Retaining Ring
24	GD36895	1	Spiked Closing Wheel
25	GA6597	1	Cast Iron Closing Wheel W/Bearing
	GA6171	1	Bearing
26	G1K345	-	Closing Wheel Shield Kit W/Hardware and Instruction
	GD26146	1	Closing Wheel Shield (Included W/G1K345)
	G10599	1	Carriage Bolt, $\frac{3}{8}$ "-16 x $1\frac{1}{4}$ " (Included W/G1K345)
	G10308	2	Carriage Bolt, $\frac{3}{8}$ "-16 x $\frac{3}{4}$ " (Included W/G1K345)
	G10101	3	Hex Nut, $\frac{3}{8}$ "-16 (Included W/G1K345)
	G10229	3	Lock Washer, $\frac{3}{8}$ " (Included W/G1K345)
	G11387	1	Hardened Washer, $\frac{3}{8}$ " SAE (Included W/G1K345)
A	GA6434	-	Rubber Closing Wheel Complete W/Bearing (Items 13-16)
B	GA26958	-	Spiked Closing Wheel (Items 22-24)

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ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	1	See "15" Seed Opener Disc Blade/Bearing Assembly and Scrapers" on page P7
2	G10752	2	Hex Head Cap Screw, $\frac{5}{8}$ "-18 x $2\frac{1}{4}$ "
3	G10329801	1	Hopper Support
4	GA2007	1	Hopper Hold Down Latch
5	G10309	2	Carriage Bolt, $\frac{1}{4}$ "-20 x $\frac{5}{8}$ ", Grade 2
	G10621	2	Serrated Flange Nut, $\frac{1}{4}$ "-20
6	G10061	1	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $3\frac{1}{2}$ "
	G11387	2	Flat Washer, $\frac{3}{8}$ " SAE
	G10108	1	Lock Nut, $\frac{3}{8}$ "-16
7	GB0331	1	Clutch Adapter Plate
8	G10338	2	Carriage Bolt, $\frac{5}{16}$ "-18 x $1\frac{1}{4}$ "
	G10620	2	Serrated Flange Nut, $\frac{5}{16}$ "-18
9	G10567	1	External Retaining Ring, $\frac{5}{8}$ "
10	GD11239	1	Knob
11	GA12143	1	Double Sprocket and Bearing, Drive Clutch, 11/28 Tooth (Vacuum)
12	G10602	1	Spring Pin, $\frac{1}{4}$ " x $1\frac{1}{2}$ "
13	GD29507	1	Clutch Shaft
14	GD11413	1	Spring
15	GB0278	1	Coupler
16	G10546	1	Spring Pin, $\frac{3}{16}$ " x $1\frac{1}{4}$ "
17	GD17052	-	Vacuum Plug
A	GA20640	-	Seed Meter Clutch Assembly, 11/28 Tooth (Items 9-16) (Vacuum)

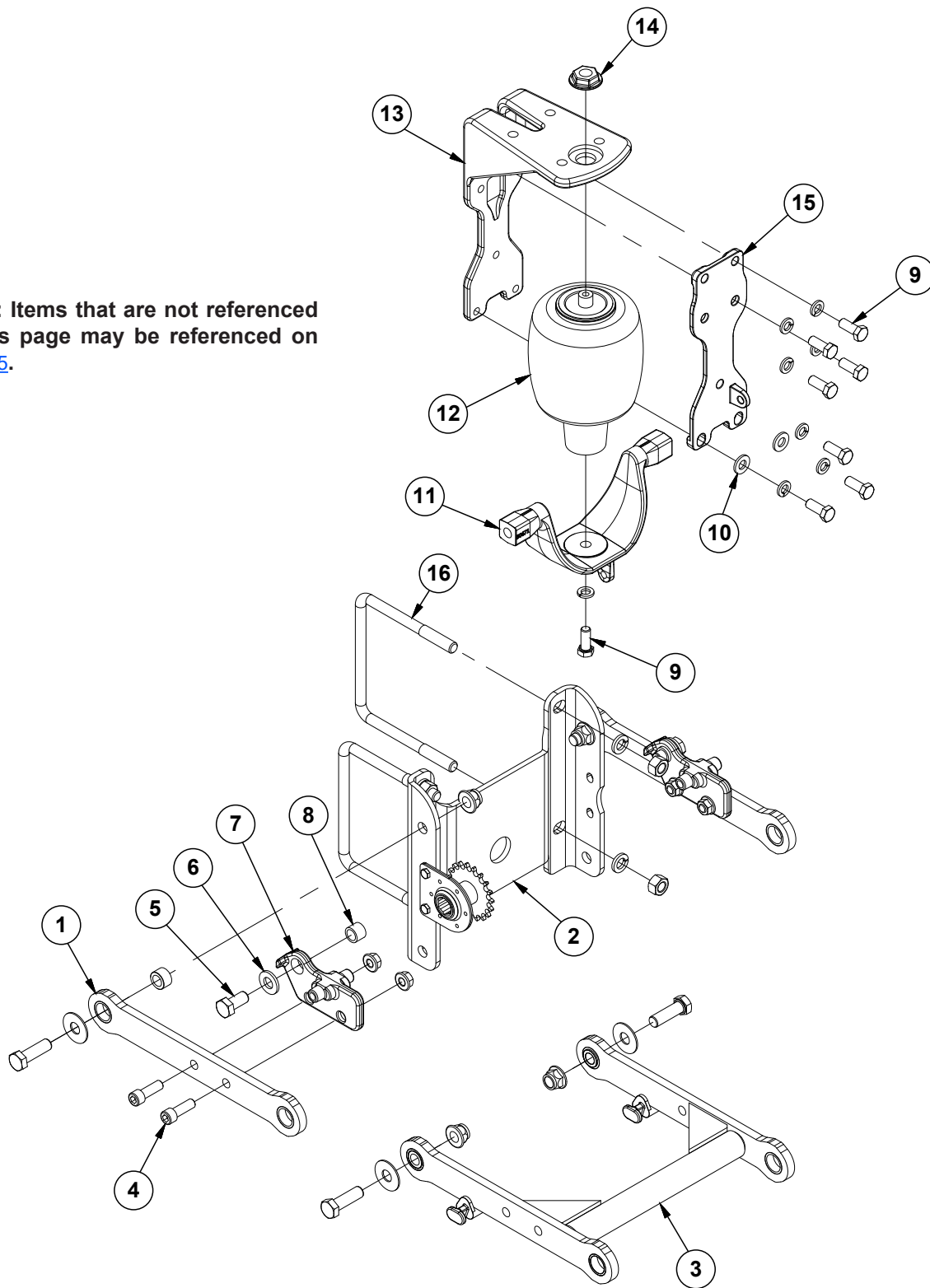
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ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	-	See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Force Springs Option" on page P5
2	G11958	2	Hex Head Cap Screw, 1/4"-20 x 2-1/2", Grade 5
	G10621	2	Serrated Flange Nut, 1/4"-20
	G10209	2	Washer, 1/4" USS
3	G10108	1	Lock Nut, 3/8"-16
	G10003	1	Hex Head Cap Screw, 3/8"-16 x 1 1/2"
4	G10116601	1	Hex Socket Head Cap Screw, 1/2"-13 x 1-3/4"
	G10071	1	Serrated Flange Nut, 1/2"-13
5	GD36388	1	1" Double Tube Clamp, 1/2" Bolt
6	GA25029	1	Row Unit Power Extension Harness
7	G10622	2	Serrated Flange Nut, 3/8"-16
	G10308	2	Carriage Bolt, 3/8"-16 x 3/4"
8	GD35058	1	Row Unit Meter Wire Tray
9	GA20914	1	Seed Tube Sensor
10	GB0926	1	Shank Cover
11	G11009	2	Locking Thumbscrew, 5/16"-18 x 3/4"
12	GD29413	1	Hopper Shim (Not used with regular hoppers)
13	---	-	See "Vacuum Seed Meter" on page P21
14	GD35629	1	IPN Row Unit Plate
15	GA25949	1	IPN Module Assembly
16	GD35609	2	Hex Standoff
17	G10146001	1	IPN Wire Shield
18	G10864901	1	Row Unit Seed Meter Harness
19	GA15485	1	Switch
20	GD30726	2	Socket Dust Cover, M12

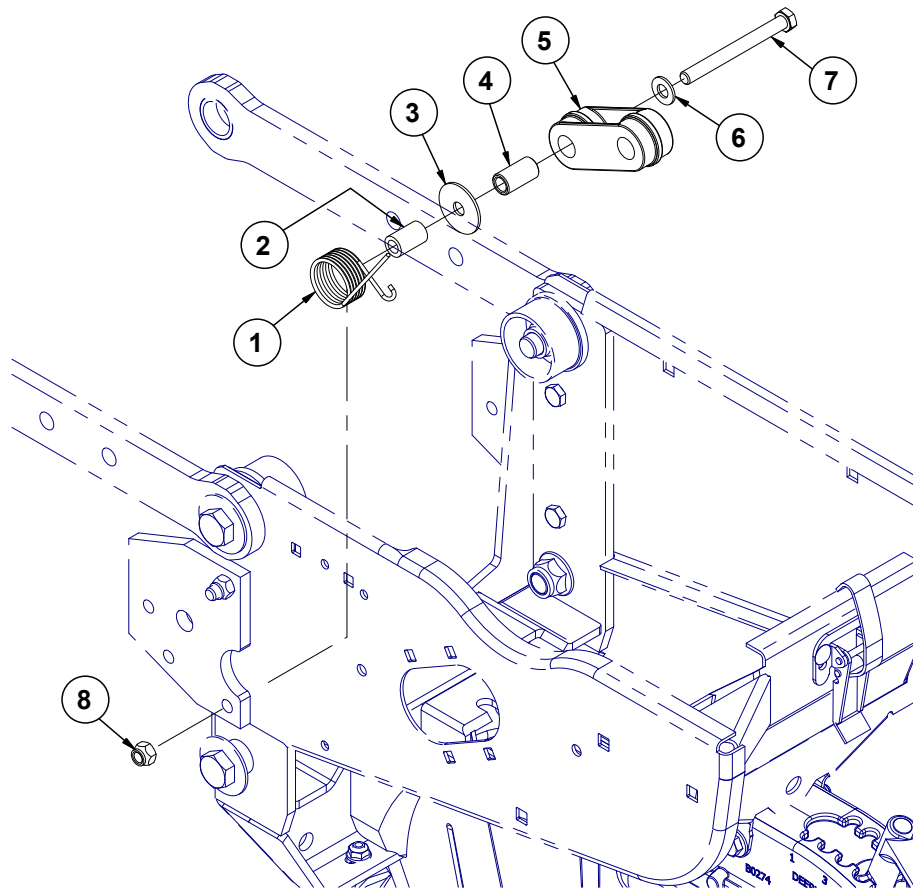
(IP1640)

NOTE: Items that are not referenced on this page may be referenced on [page P5](#).



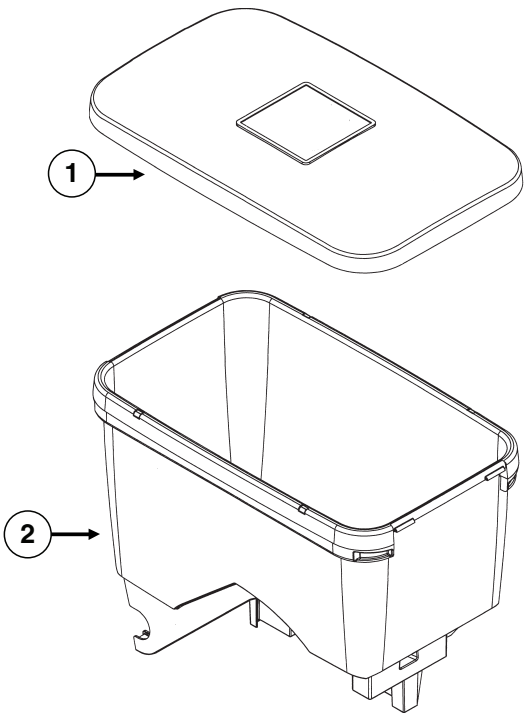
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	-	See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Force Springs Option" on page P5
2	GD10036	1	Mounting Support Plate
3	---	-	See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Force Springs Option" on page P5
4	G11220	4	Hex Socket Cap Screw, 1/2"-13 x 1 1/2"
	G10071	4	Serrated Flange Nut, 1/2"-13
5	G11018	2	Hex Head Cap Screw, 5/8"-18 x 1 1/4"
6	G11391	2	Flat Washer, 5/8" SAE
7	GB0395	2	Bracket
8	GD3180-30	2	Sleeve, 7/8" O.D. x 5/8" I.D. x 2 1/32"
9	G10037	8	Hex Head Cap Screw, 1/2"-13 x 1 1/4"
	G10228	8	Lock Washer, 1/2"
10	G11389	2	Flat Washer, 1/2" SAE
11	GD23995	1	Saddle
12	GA11982	1	Air Spring Assembly
13	GB0396	1	Head Mount
14	GB0397	1	Shoulder Nut, 3/4"-16
15	GB0393	1	Plate
16	---	-	See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Force Springs Option" on page P5

(IP1583)



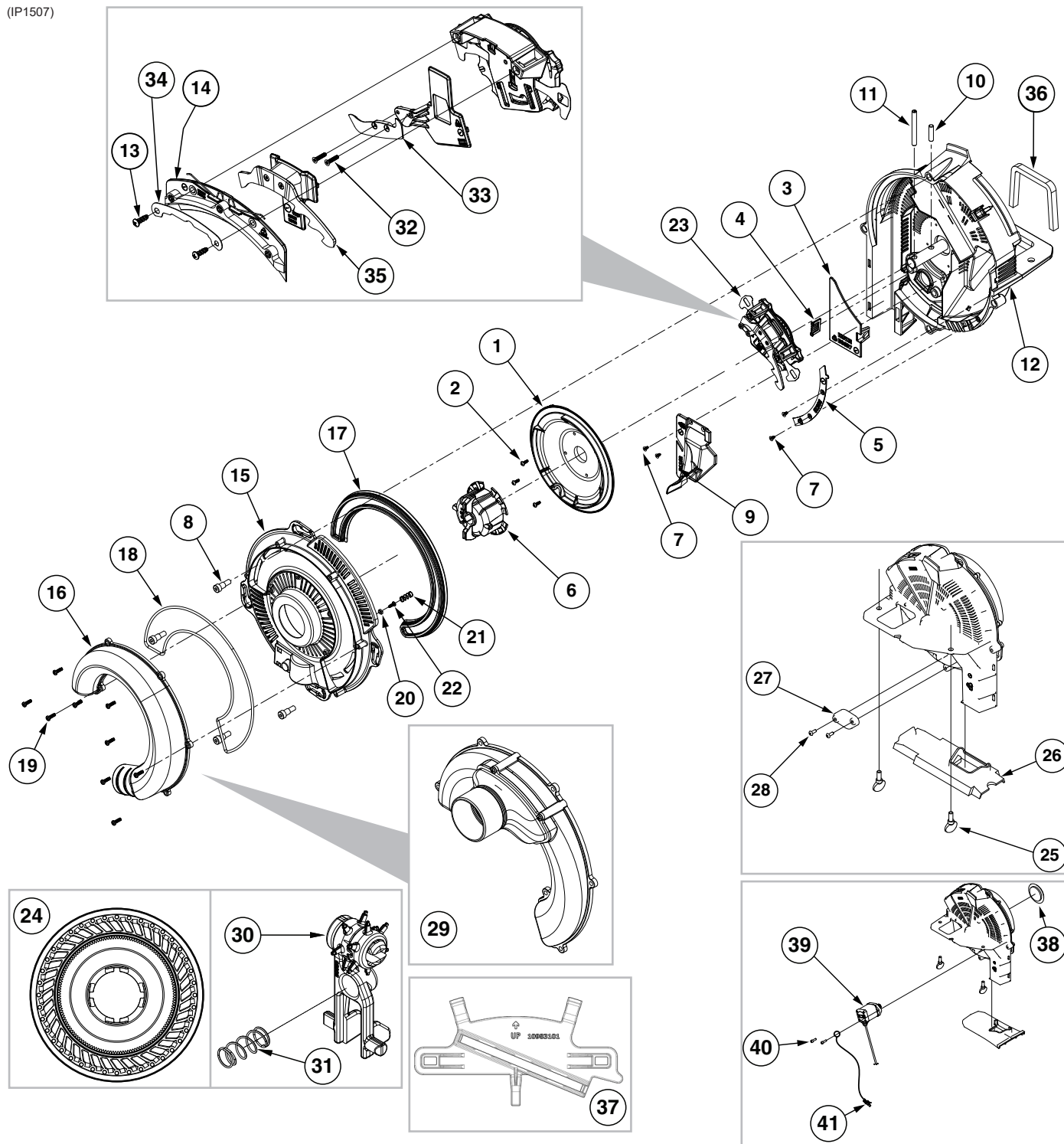
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GD1065	1	Idler Spring
2	GD7318	1	Sleeve, 1" Long
3	G10201	1	Special Washer, $\frac{3}{8}$ " x 1 $\frac{1}{2}$ " O.D.
4	GD1026	1	Sleeve, 1 $\frac{3}{16}$ " Long
5	GD11962	1	Idler
6	G11387	1	Flat Washer, $\frac{3}{8}$ " SAE
7	G10326	1	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 3 $\frac{3}{4}$ "
8	G10108	1	Lock Nut, $\frac{3}{8}$ "-16

(METR12/RU87e)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GD11279	1	Lid
2	GA24873	1	Seed Hopper (Vacuum)
	GD12561	-	Threaded Insert, 5/16"-18 (Included W/GA20254)

(IP1507)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GB0815	1	Shield
2	G11619	3	Phillips Pan Head Tapping Screw, No. 6-19 x $\frac{3}{8}$ "
3	GB0697	1	Chute Cover
4	GB0780	1	Brush
5	GB0823	1	Baffle
6	GB1147	1	Disc Hub
7	G11618	4	Torx Flat Head Tapping Screw, No. 6-19 x $\frac{1}{4}$ "
8	G11172	4	Hex Socket Head Shoulder Screw, $\frac{1}{4}$ "-20 x $\frac{3}{8}$ ", Stainless Steel

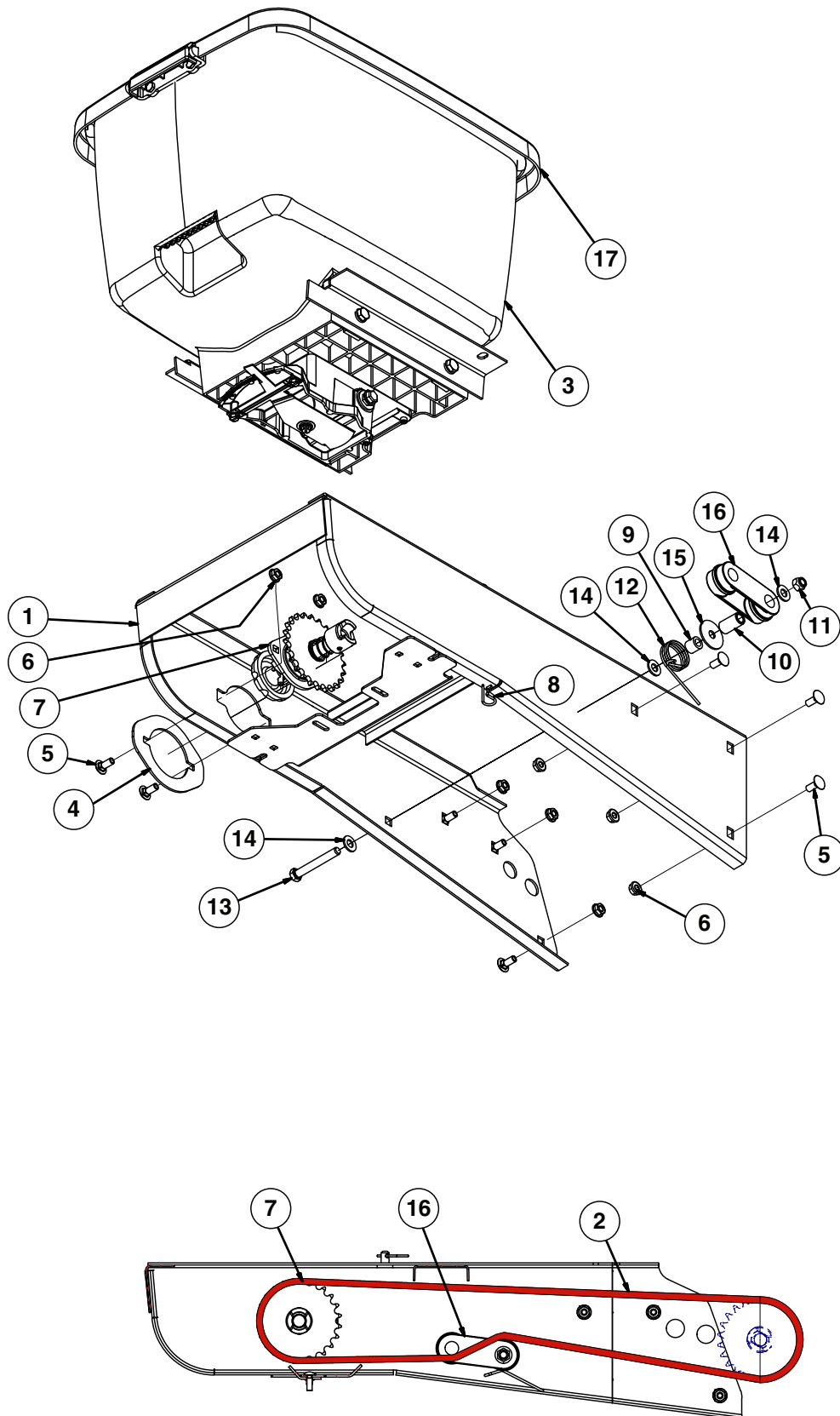
Vacuum Seed Meter

M0311-02

Model 3505

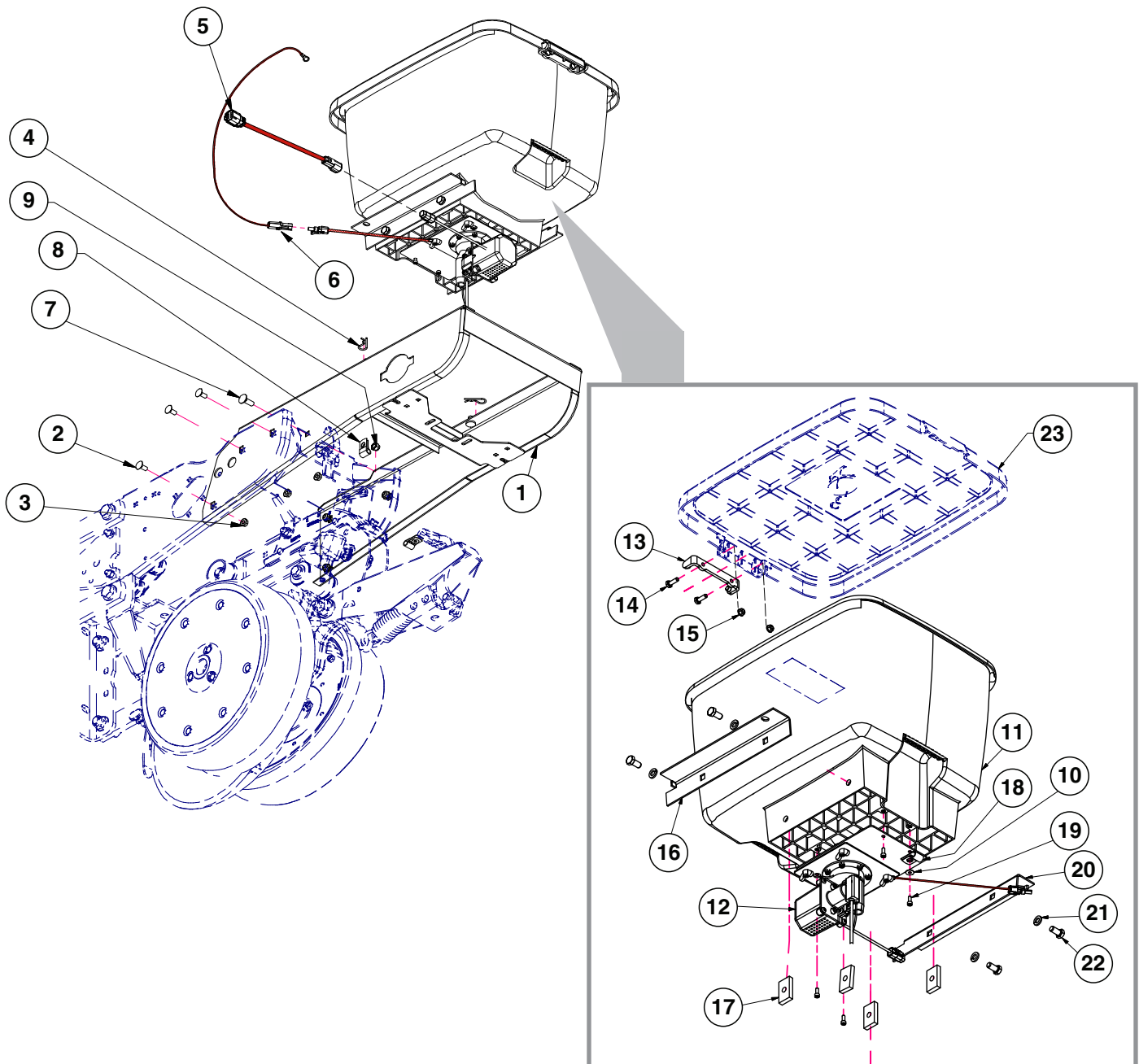
9	GA24878	1	Brush Assembly
10	G11448	1	Pin, ¼" x 1"
11	G10475	1	Spring Pin, ¼" x 2¼"
12	GA24877	1	Meter Housing W/Bearing
13	G11578	2	Phillips Pan Head Tapping Screw, No. 8-18 x ½"
14	GA24676	1	Singulator Guide Assembly
15	GB0920	1	Cover
16	GB0818	1	Vacuum Port, Pull Row Unit
17	GB0676	1	Lip Seal
18	GD26593	1	Gasket Housing
19	G11556	9	Phillips Pan Head Tapping Screw, 6-19 x ½"
20	GB0907	1	Retainer Spring
21	G10483101	1	Compression Spring
22	G11619	1	Phillips Pan Head Tapping Screw, No. 6-19 x ⅜"
23	GA24752	1	Singulator Assembly (Includes Items 13 and 14)
24	G11152X	-	Seed Disc, Corn, 40 Cell, Light Blue Color-Coded, Ejector Wheel, and Spring
	G11046X	-	Seed Disc, Rapeseed, 83 Cell, Ejector Wheel, and Spring
	G11042X	-	Seed Disc, Wheat, 54 Cell, Ejector Wheel, and Spring
	G11332X	-	Seed Disc, Wheat, 231 Cell, Red Color-Coded, Ejector Wheel, and Spring
	G11047X	-	Seed Disc, Soybean, 120 Cell, Black Color-Coded, Ejector Wheel, and Spring
	G11048X	-	Seed Disc, Soybean, 60 Cell, Black Color-Coded, Ejector Wheel, and Spring
	G11154X	-	Seed Disc, Sugar Beets/Milo, Dark Orange Color-Coded, Ejector Wheel, and Spring
	G11153X	-	Seed Disc, Sunflower, 40 Cell, Gray Color-Coded, Ejector Wheel, and Spring
	G11105X	-	Seed Disc, Cotton, 60 Cell, Green Color-Coded, Ejector Wheel, and Spring
	G11106X	-	Seed Disc, Black Turtle and Navy Edible Bean and Popcorn, 60 Cell, Brown Color-Coded, Ejector Wheel, and Spring
	G11107X	-	Seed Disc, Pinto and Great Northern Edible Beans and Low-Rate Soybean, 60 Cell, Dark Blue Color Coded, Ejector Wheel, and Spring
25	G11009	2	Locking Thumbscrew, ⅝"-18 x ¾"
26	GB0926	1	Shank Cover
27	GD28631	1	Cover Plate
28	G11281	2	Hex Button Head Cap Screw, 10-24 x ½"
29	GA20111	1	Vacuum Port, Push Row Unit
30	G10665101	-	Ejector Arm, Corn
	G10483401	-	Ejector Arm, Soybean (120 Cell)
	G10483201	-	Ejector Arm, Soybean (60 Cell)
	G10665001	-	Ejector Arm, Sunflower
	G10664901	-	Ejector Arm, Beets/Milo
	G10614301	-	Ejector Arm, Black Turtle, Navy, Pinto, and Great Northern Edible Bean, Popcorn, and Low-Rate Soybean, Cotton
	GA25550	-	Ejector Arm, Rapeseed
	GA26989	-	Ejector Arm, Wheat (54 Cell)
	G10936101	-	Ejector Arm, Wheat (231 Cell)
31	G10483101	-	Compression Spring
32	G11693	2	Torx Flat Head Machine Screw, No. 4-40 x ½"
33	GB0921	1	Lower Blade
34	GD29657	1	Retainer
35	GB0958	1	Outer Blade
36	GD34774	1	Meter Gasket
37	G10983301	1	Wheat Brush Singulator
	G10983101	1	Wheat Brush Mount (Included W/G10983301)
	G10983201	1	Brush (Included W/G10983301)
38	GD29425	1	Dust Cap
39	G10299601	1	Meter Stepper Motor
40	G11588	2	Hex Socket Head Cap Screw, No. 10-24 x ⅝5/8" Grade 8
41	GA20711	1	Seed Meter Motor ESD Drain Harness
	GA20712	1	Row Unit Seed Meter Harness (Both are used connected to each other)
A	G9903X	-	Vacuum Meter Assembly, Pull Row Unit (Excludes Items 24 and 29-31)
B	G9897X	-	Vacuum Meter Assembly, Push Row Unit (Excludes Items 16, 24, and 30-31)
C	GA20622	-	Cover Assembly (Items 15-22)

(A26370/A26319)



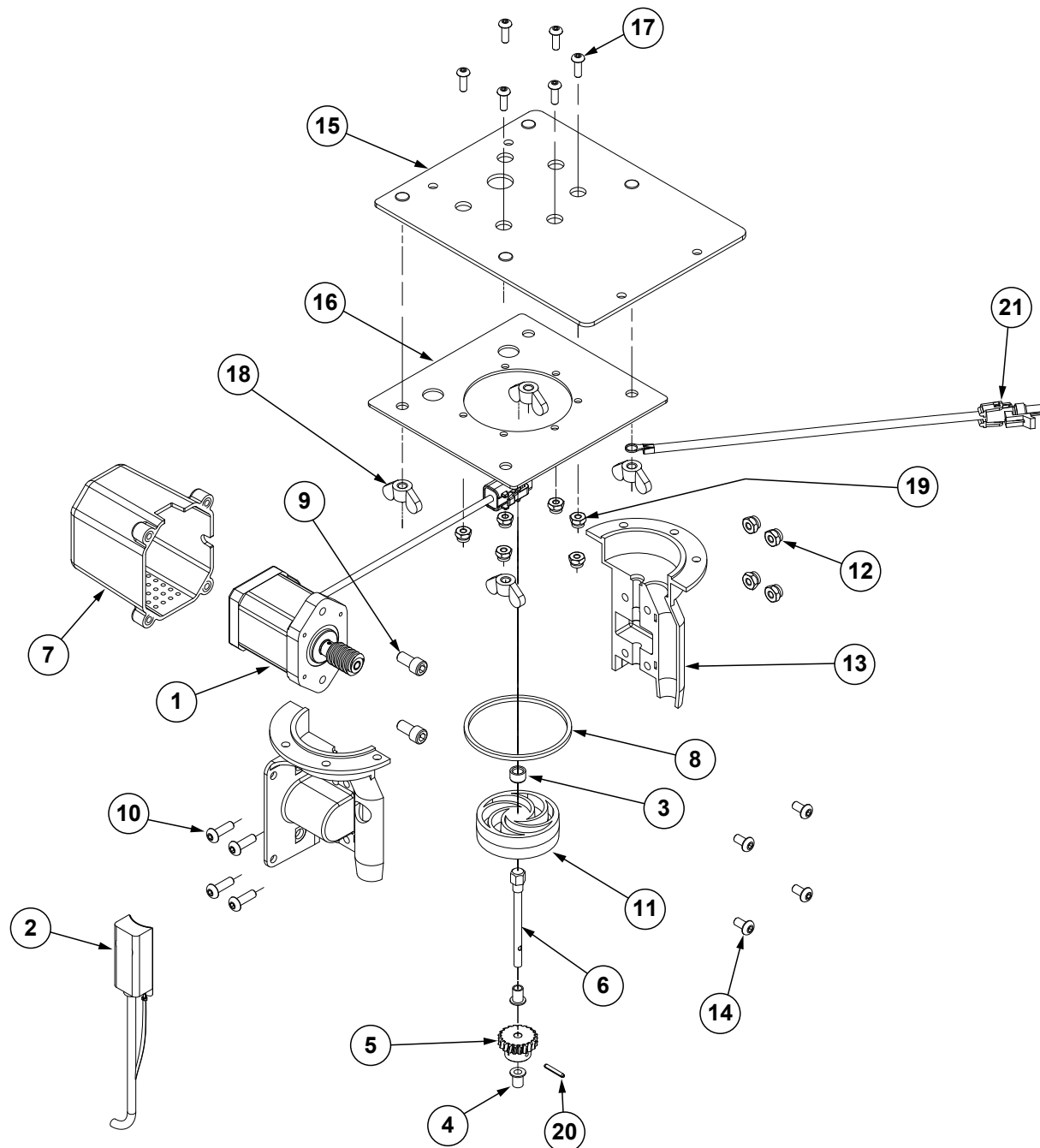
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GA26287	1	Chemical Hopper Support
2	G3303-108	1	Chain, No. 41, 108 Pitch Including Connector Link (Vacuum)
3			See "Granular Chemical Hopper and Hopper Panel Extension" on page P30 See "Granular Chemical Meter and Meter Drive" on page P29
4	GD11305	1	Clutch Mount Plate
5	G10312	8	Carriage Bolt, 5/16"-18 x 3/4"
6	G10620	8	Serrated Flange Nut, 5/16"-18
7	GA8366	1	Chemical Meter Clutch
8	G10670	2	Hair Pin Clip, No. 3
9	GD2971-10	1	Sleeve, 9/16" Long
10	GD1026	1	Sleeve, 1 3/16"
11	G10108	1	Lock Nut, 3/8"-16
12	GD11219	1	Torsion Spring
13	G10325	1	Hex Head Cap Screw, 3/8"-16 x 2 3/4"
14	G11387	3	Hardened Washer, 3/8" SAE
15	G10201	1	Special Washer, 3/8" x 1 1/2" O.D.
16	GD11962	1	Idler
17	GA4444	-	Insecticide Lid

(A26335/A27180)



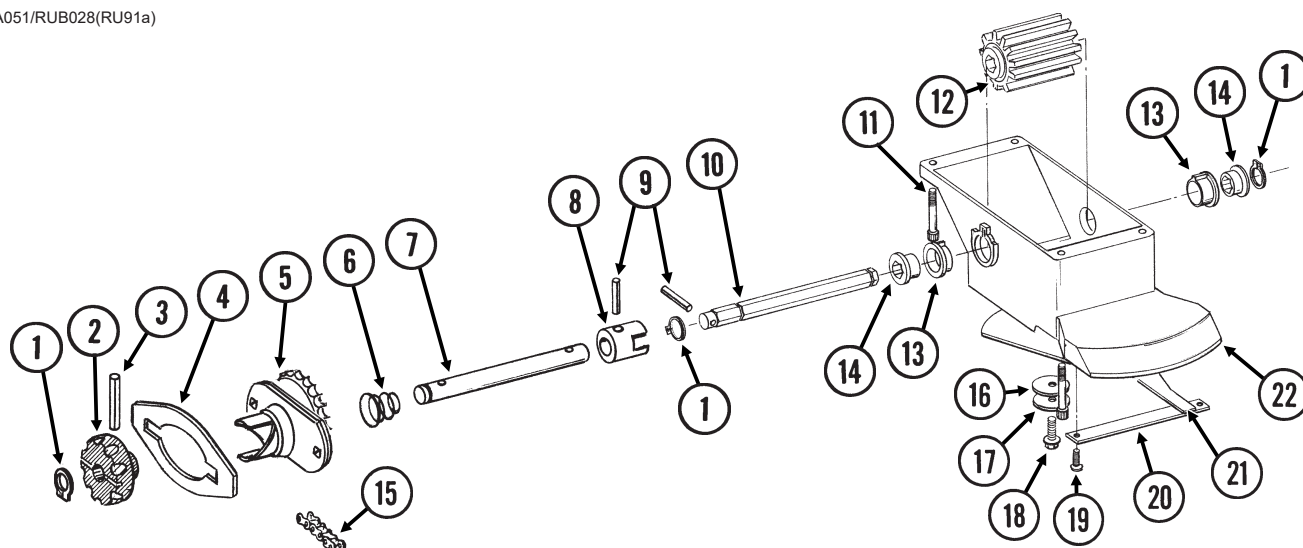
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GA26287	1	Chemical Hopper Support
2	G10312	6	Carriage Bolt, 5/16"-18 x 3/4"
3	G10620	6	Serrated Flange Nut, 5/16"-18
4	G10670	2	Hair Pin Clip, No. 3
5	GA22522	1	Insecticide Harness
6	GA20712	1	Row Unit ESD Drain Harness
7	G10305	1	Hex Head Cap Screw, 3/8"-16 x 1"
8	GD6291	1	Insulated Clamp, 3/8"
9	G10108	1	Lock Nut, 3/8"-16
11	GA8371	1	Chemical Hopper Assembly
12	GA26331	1	Insecticide Meter Assembly
13	GD1060	1	Hinge Bracket
14	G10023	2	Hex Head Cap Screw, 1/4"-20 x 3/4"
15	G10621	2	Serrated Flange Nut, 1/4"-20
16	GD1059R	1	Support
17	GD11424	4	Block
18	GD6291	1	Insulated Clamp, 3/8"
19	G11998	4	Hex Head Cap Screw, 10-24 x 1/2", Self-Locking, Yellow Loctite
20	GD1059L	1	Support
21	G10229	4	Lock Washer, 3/8"
22	G10002	4	Hex Head Cap Screw, 3/8"-16 x 3/4"
23	GA4444	-	Insecticide Lid

(A26331)



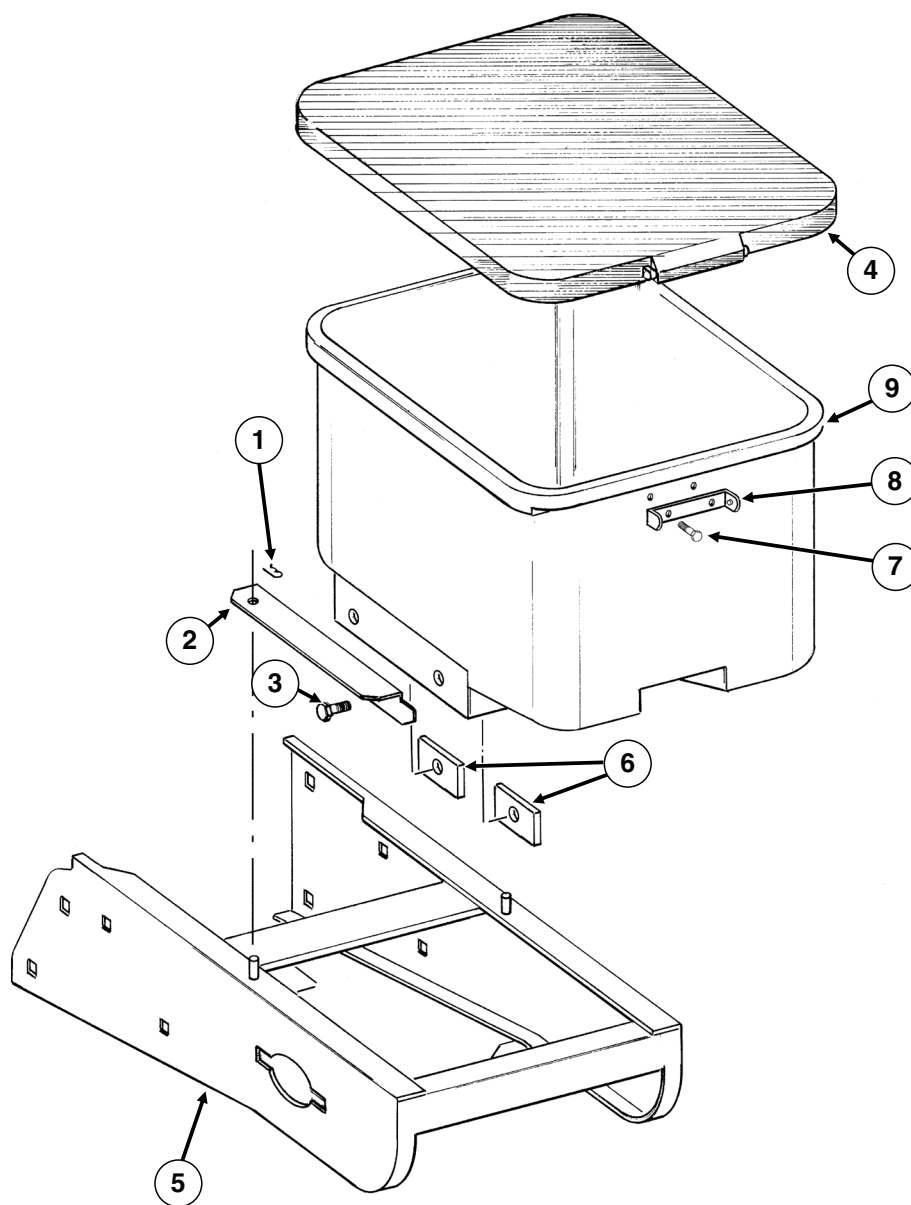
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GA15473	1	Step Motor, 3.5 AMP
2	GA24364	1	Flow Sensor
3	GD22695	1	Bearing Sleeve, $\frac{3}{8}$ " O.D. x $\frac{1}{4}$ " I.D. x $\frac{1}{4}$ "
4	GD22696	2	Flange Bearing, $\frac{1}{4}$ " O.D. x $\frac{3}{16}$ " I.D. x $\frac{3}{8}$ "
5	GD29492	1	Gear
6	GD29491	1	Drive Shaft
7	GB0577	1	Motor Cover
8	GD28515	1	O-Ring
9	G10260	2	Hex Socket Head Cap Screw, $\frac{1}{4}$ "-20 x $\frac{1}{2}$ "
10	G11447	4	Hex Button Head Cap Screw, #10-24 x $\frac{5}{8}$ "
11	GB0579	1	Insecticide Impeller
12	G11445	4	Hex Locknut, #10-24
13	GA18195	1	Insecticide Housing
14	G10261	4	Hex Button Head Cap Screw, #10-32 x $\frac{3}{8}$ "
15	GA26330	1	Insecticide Mount
16	GD36333	1	Insecticide Motor Mount Plate
17	GR1292	6	Hex Socket Button Head Cap Screw, No. 8-32 x $\frac{1}{2}$ "
18	G10531	4	Wing Nut W/Nylon Insert, $\frac{1}{4}$ "-20
19	G11202	6	Lock Nut W/Nylon Insert, No. 8-32, Stainless Steel
20	G11687	1	Spring Slot Pin
21	GA20710	2	Granular Chemical Motor ESD Drain Harness

RUA051/RUB028(RU91a)



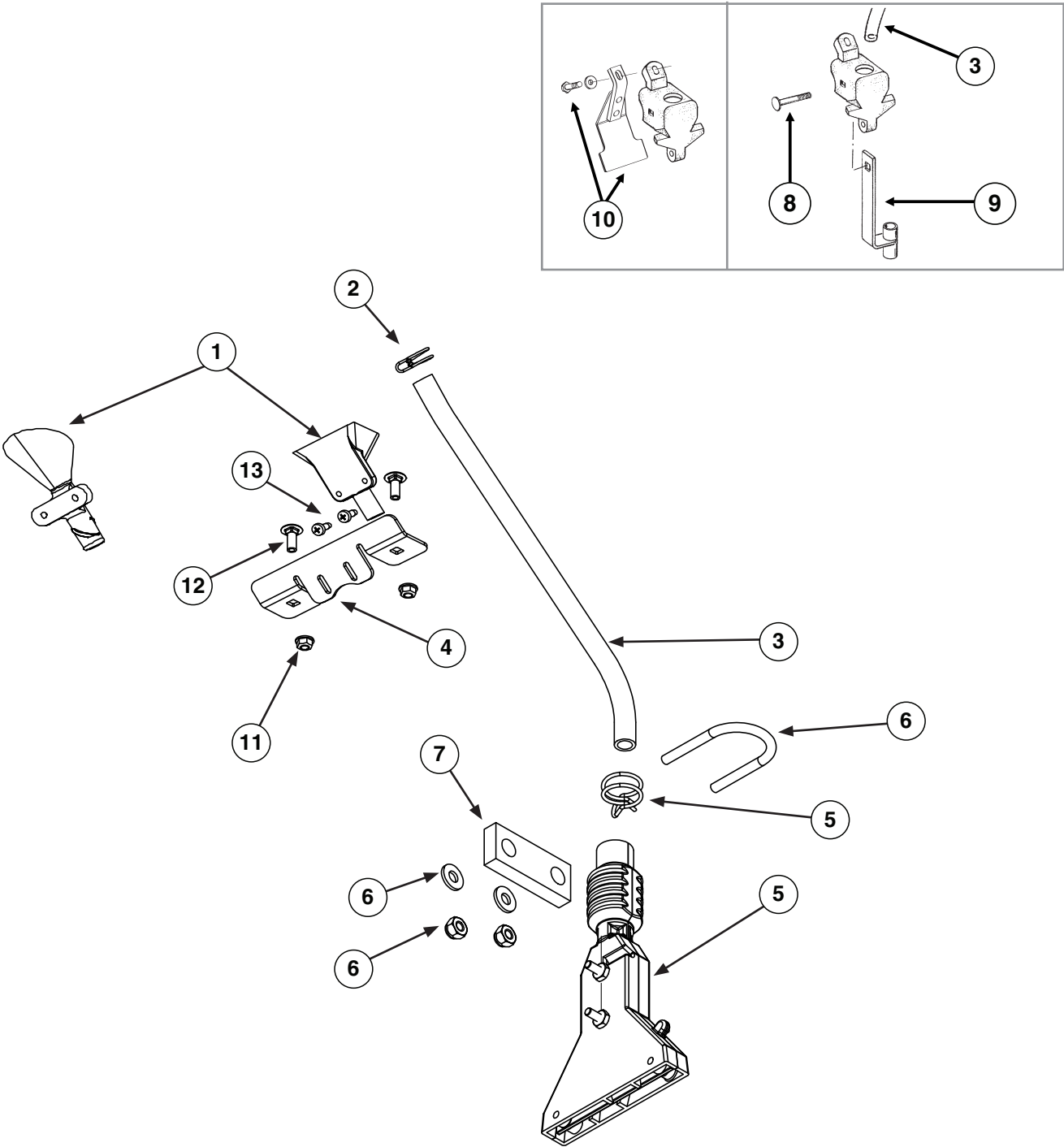
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G10567	3	External Retaining Ring, $\frac{5}{8}$ "
2	GD11239	1	Knob
3	G10602	1	Spring Pin, $\frac{1}{4}$ " x $1\frac{1}{2}$ "
4	GD11305	1	Clutch Mount Plate
5	GA8364	1	Sprocket And Bearing, Drive Clutch, 24 Tooth
6	GD11413	1	Spring
7	GD11240	1	Shaft
8	GB0278	1	Coupler
9	G10546	2	Spring Pin, $\frac{3}{16}$ " x $1\frac{1}{4}$ "
10	GD11297	1	Shaft
11	G11793	4	Hex Socket Head Cap Screw, No. 10-24 x $\frac{7}{8}$ "
12	GD7148	1	Feed Roller, Hex Bore
13	GB0115	2	Bearing
14	GD7258	2	Hex Bushing
15	G3303-114	1	Chain, No. 41, 108 Pitch Including Connector Link (Vacuum)
	GR0196	1	Connector Link, No. 41
16	G10660	1	Wave Washer, $\frac{1}{2}$ "
17	G11385	1	Flat Washer, $\frac{1}{4}$ " SAE
18	G10570	1	Slotted Hex Self-Tapping Screw, $\frac{1}{4}$ "-20 x $\frac{3}{4}$ "
19	G11073	2	Slotted Hex Self-Tapping Screw, No. 10 x $\frac{3}{8}$ "
20	GD1061	1	Support Strap
21	GD1063	1	Metering Gate
22	GB0116	1	Granular Housing
A	GA8326	-	Granular Chemical Meter Complete (Items 1, 9, 10, 12-14 And 16-22)
B	GA8366	-	Granular Chemical Meter Clutch (Items 1-3 and 5-9)

(METR14d)

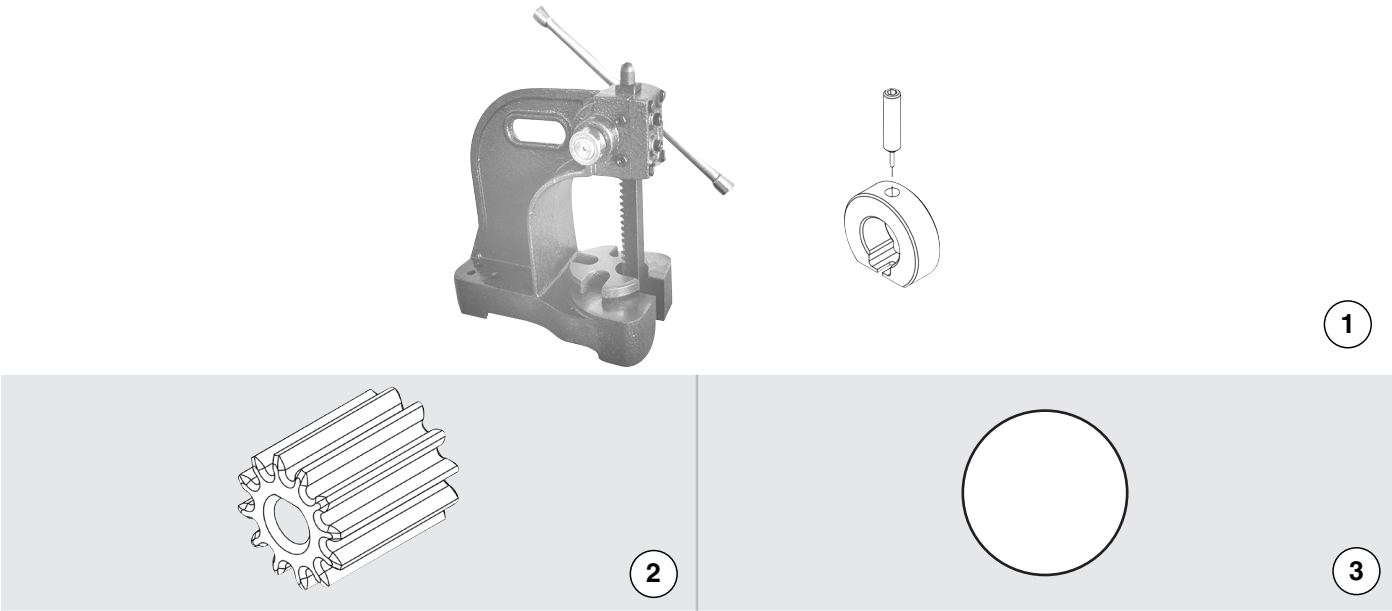


ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G10670	2	Hair Pin Clip, No. 3
2	GD1059L	1	Support, L.H. (Shown)
	GD1059R	1	Support, R.H.
3	G10002	4	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $\frac{3}{4}$ "
	G10229	4	Lock Washer, $\frac{3}{8}$ "
4	GA4444	1	Lid
5	GA26287	1	Hopper Panel Extension (Non-Stock Item)
6	GD11424	4	Block
7	G10023	2	Hex Head Cap Screw, $\frac{1}{4}$ "-20 x $\frac{3}{4}$ "
	G10621	2	Serrated Flange Nut, $\frac{1}{4}$ "-20
8	GD1060	1	Hinge
9	GA8371	1	Hopper

(A26370/A27180)

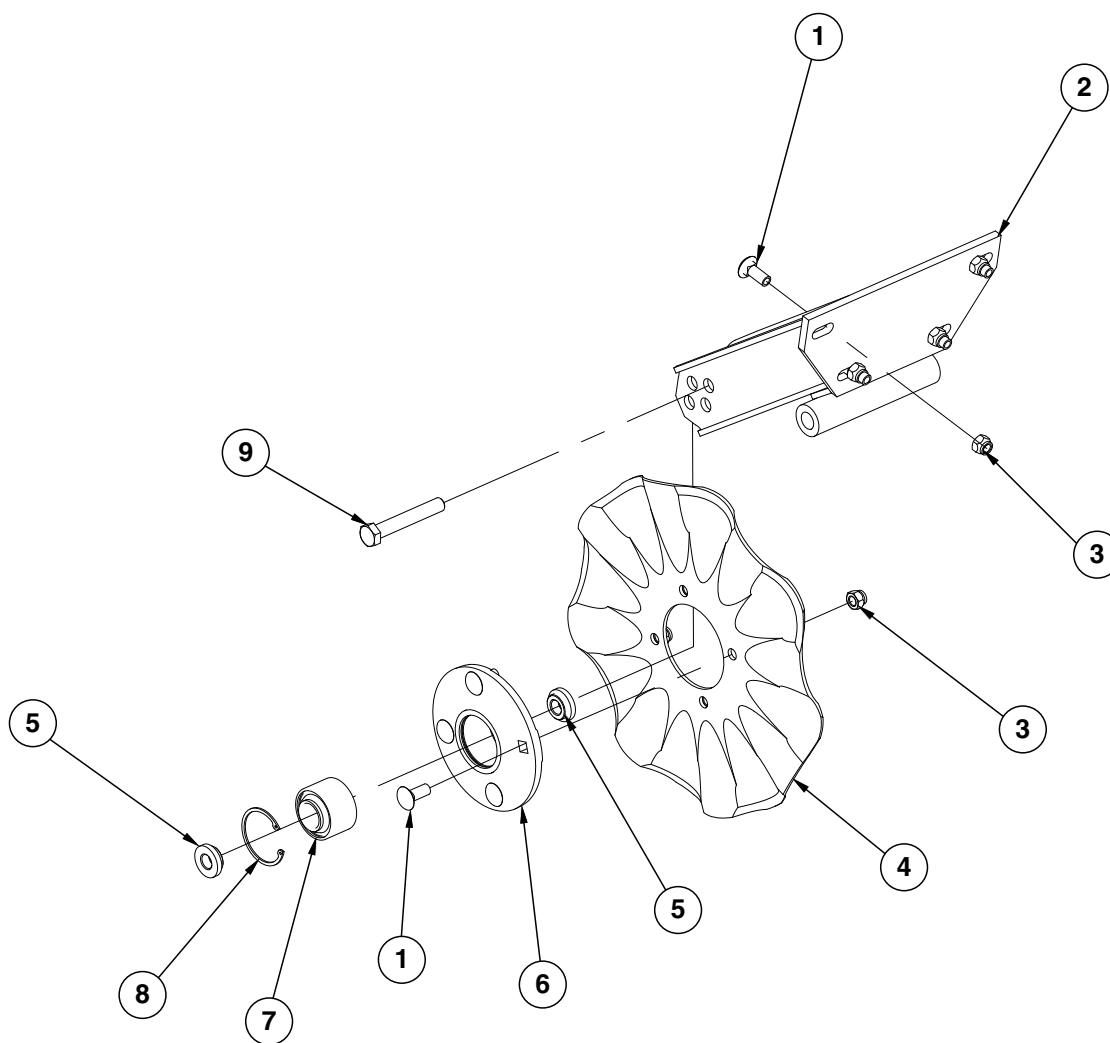


ITEM	PART NO.	QTY.	DESCRIPTION
1	GD2423 or GD29423	1 1	Funnel (Ground Contact Drive) Funnel, Anti-Static (Blue Drive)
2	G11209	1	Wire Hose Clamp, ¾"
3	GD2947	1	Hose, 7/16" x 28"
4	GD36277 or GD26803	1 1	Funnel Mount (Ground Contact Drive) Funnel Mount (Blue Drive)
5	GA6906 G10864 G10757 G10758	1 1 2 2	Granular Chemical Bander Uni-Clamp Pan Head Screw, No. 10-32 x 1¼" Hex Nut, No. 10-32
6	GD10963 G11385 G10110	1 2 2	U-Bolt, 1½" x 1⅝" x ¼"-20 Flat Washer, ¼" SAE Lock Nut, ¼"-20, Grade B
7	GD10984	1	Spacer
8	G10315	1	Carriage Bolt, ½"-13 x 2½" (Replaces Existing ½" x 2¼" Hardware)
9	GA6741	1	Bracket (Straight Drop In-Furrow)
10	G1K385 G10003 G11387	- 1 1	Bander Shield Kit W/Hardware And Instruction Sheet Hex Head Cap Screw, ⅝"-16 x 1½" (Included W/G1K385) Flat Washer, ⅝" SAE (Included W/G1K385)
11	G10621	2	Serrated Flange Nut, ¼"-20
12	G10310	2	Carriage Bolt, ¼"-20 x ¾", Grade 2
13	G10966	2	Phillips Head Self-Tapping Screw, No. 10 x 1/2"
A	GA7270	-	Bander Assembly (Includes all items under Item 5)



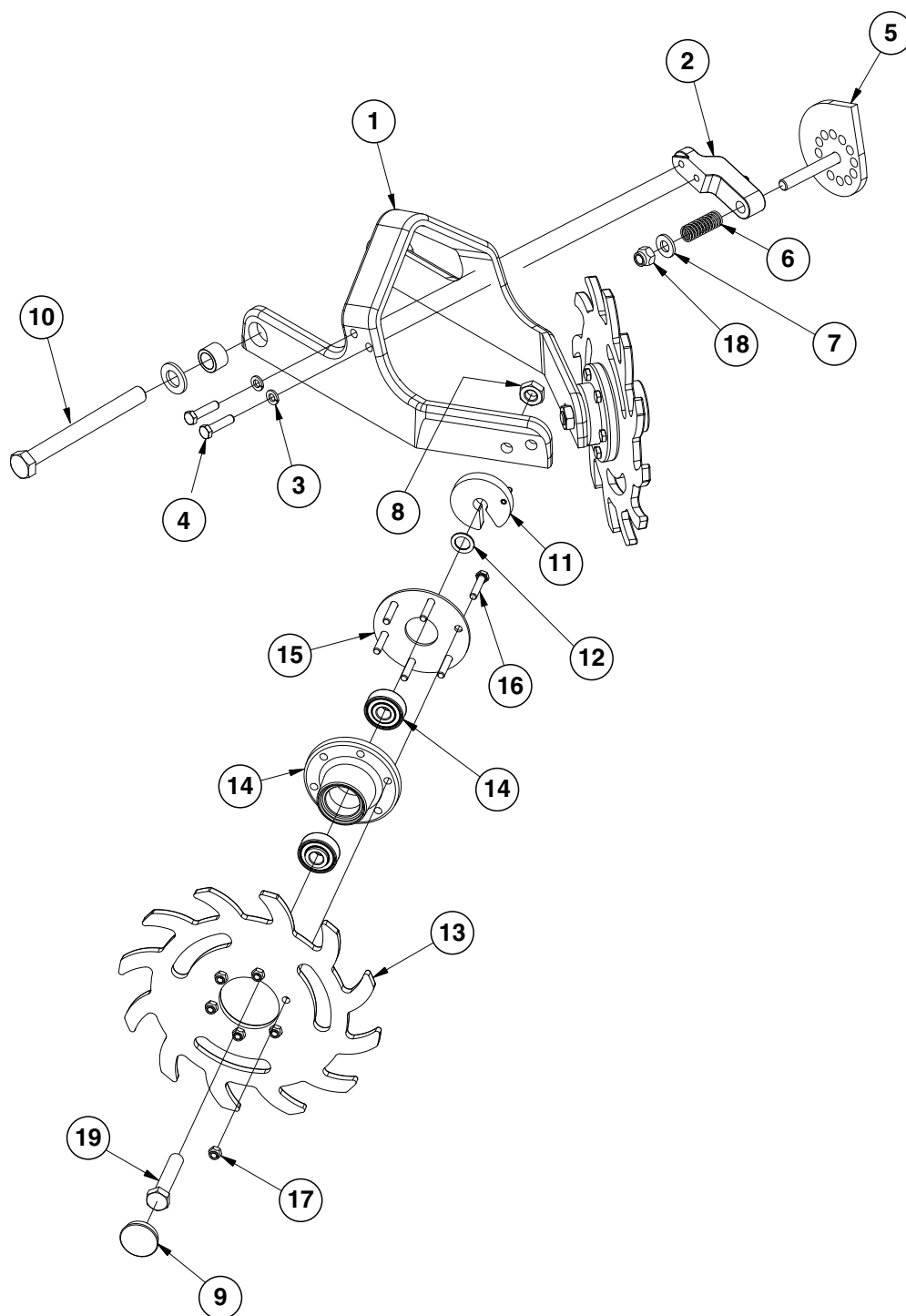
ITEM	PART NO.	QTY.	DESCRIPTION
1	G1K728	-	Seed Meter Stepper Motor Pinion Press Kit, Includes: (1) 1/2 Ton Arbor Press W/ Anvil, (1) Ring Puller W/Set Screw, (1) Instruction Sheet
2	GB1190	-	Pinion Motor Gear
3	G7100-614	-	Shaft Seal

(IP1279)



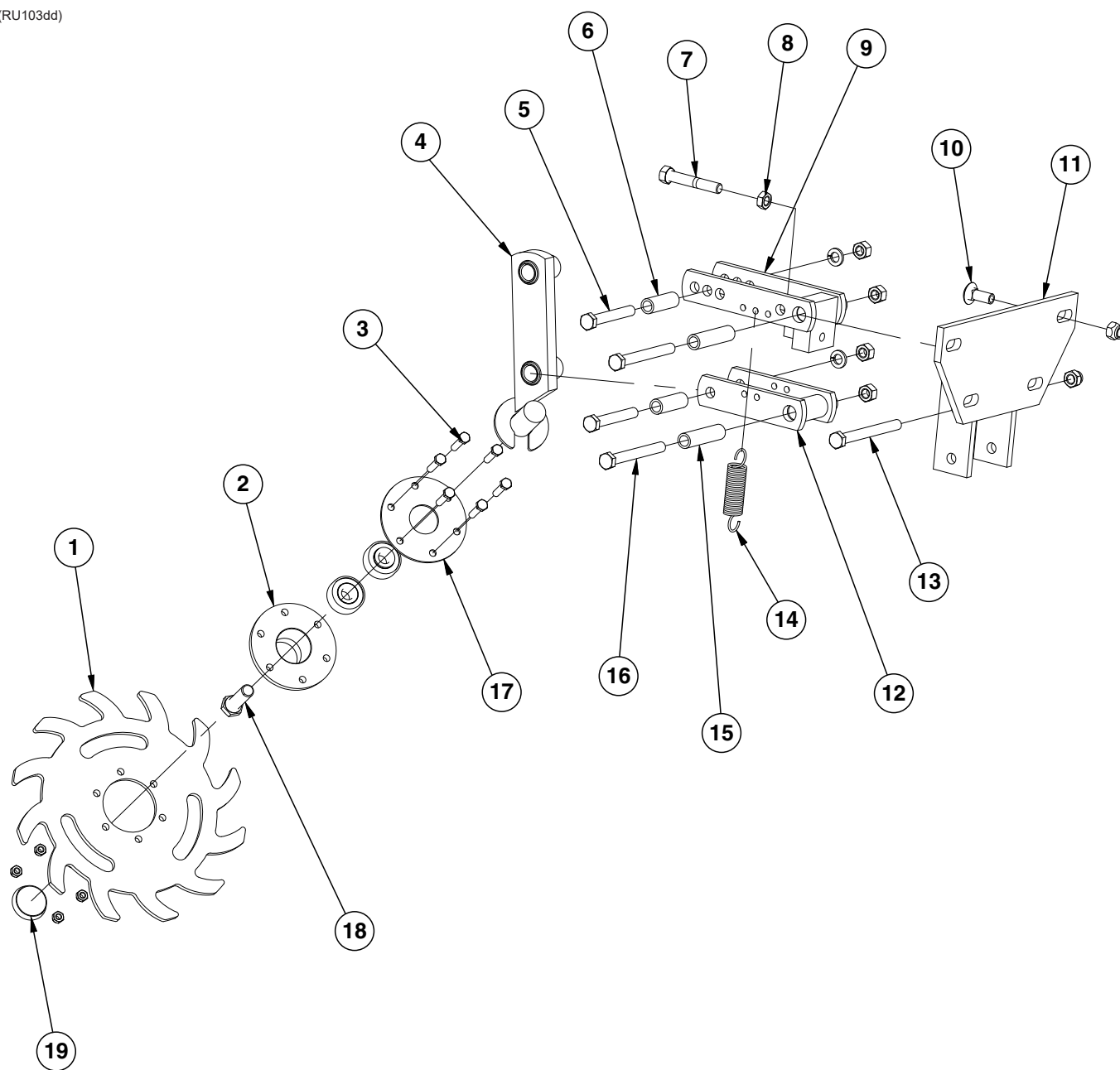
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G10574	8	Carriage Bolt, 1/2"-13 x 1 1/4"
2	GA24239	1	Arm
3	G10111	8	Lock Nut, 1/2"-13
4	GD7803	1	Disc Blade, Fluted, 1", 8 Flutes (Shown)
	GD7804	-	Disc Blade, Bubbled, 1"
	GD9254	-	Disc Blade, Fluted, 3/4", 13 Flutes
5	GD11677	2	Adapter
6	GA8641	1	Hub W/Bearing And Retaining Ring (Includes items 7 and 8)
7	GA8603	1	Bearing, Double Row
8	GD19292	1	Retaining Ring (Square), 2 7/16"
9	G10036	1	Hex Head Cap Screw, 5/8"-11 x 4"
	G10107	1	Lock Nut, 5/8"-11

(IP1468)



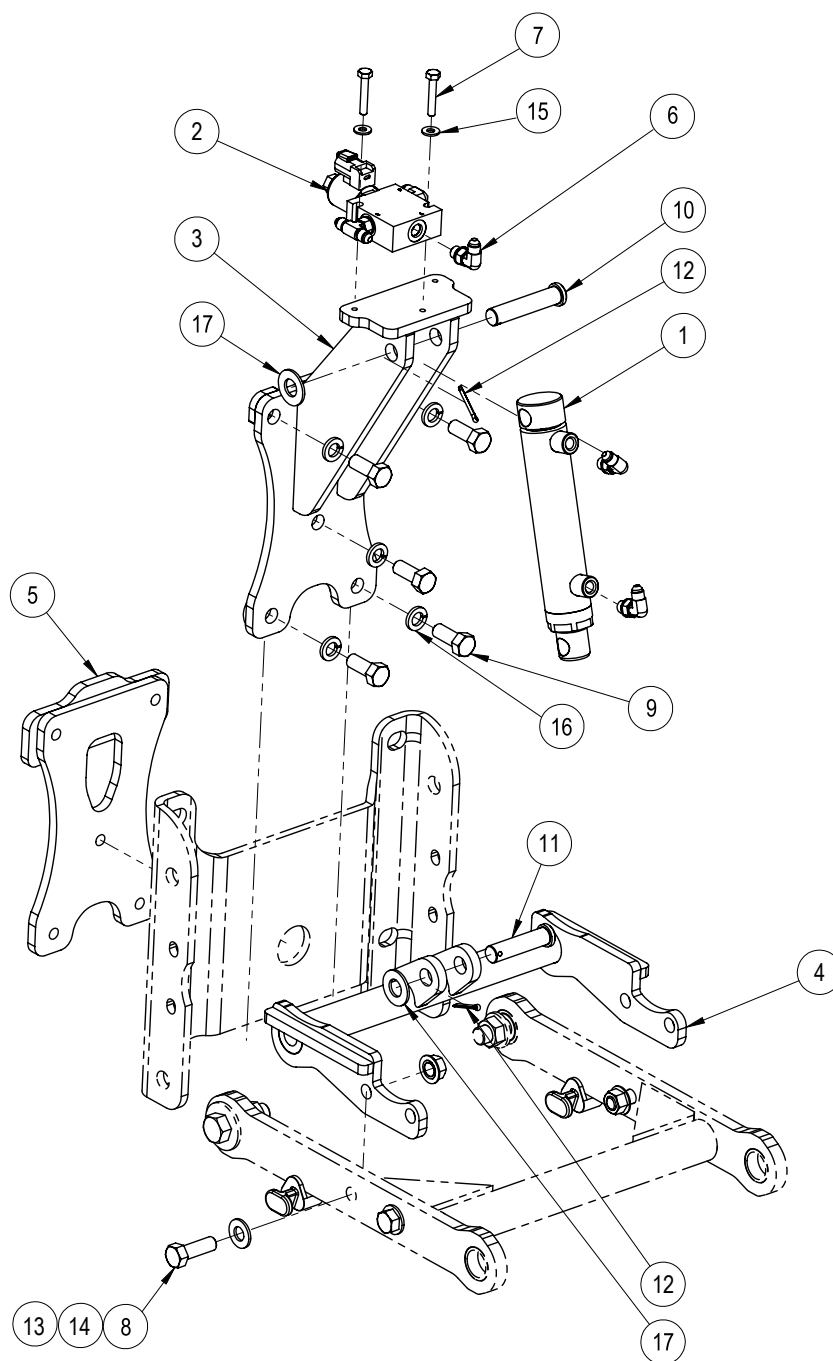
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GB0464	1	Residue Wheel Mount
2	GD26973	1	Cam Locking Pin
3	G10229	2	Lock Washer, $\frac{3}{8}$ "
4	G10004	2	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $1\frac{1}{4}$ "
5	GA27038	1	Row Cleaner Cam
6	GD10519	1	Spring
7	G11389	1	Flat Washer, $\frac{1}{2}$ " Plated SAE
8	G10503	2	Hex Jam Nut, $\frac{5}{8}$ "-11, Grade 2
9	GD1132	2	Dust Cap
10	G11236	1	Hex Head Cap Screw, $\frac{3}{4}$ "-10 x $10\frac{1}{2}$ "
	G11392	2	Flat Washer, $\frac{3}{4}$ " SAE
	GB0383	2	Bushing, $1\frac{1}{8}$ " O.D. x $2\frac{5}{32}$ " I.D. x $\frac{3}{4}$ " Long
	G11228	1	Lock Nut, $\frac{3}{4}$ "-10
11	GA8760	2	Weed Guard W/Spring Pin
	G10765	-	Spring Pin, $\frac{1}{4}$ " x 1" (Included W/GA8760)
12	GD30725	4	Machine Bushing, $\frac{5}{8}$ " (.030" Thick)
13	GB0387	2	Wheel, 12 Tine, $\frac{3}{8}$ " x 12"
14	GA5654	2	Hub W/Bearings
	GA2014	-	Bearing (Included W/GA5654)
15	GD9724	2	Backing Plate
16	G10133	12	Hex Head Cap Screw, $\frac{5}{16}$ "-18 x $1\frac{1}{2}$ "
17	G10109	12	Lock Nut, $\frac{5}{16}$ "-18, Grade 8
18	G10974	1	Lock Nut W/Nylon Insert, $\frac{1}{2}$ "-13
19	G10010	2	Hex Head Cap Screw, $\frac{5}{8}$ "-11 x 3"
A	GA12235	-	L.H. Residue Wheel (Items 13-17)
B	GA12236	-	R.H. Residue Wheel (Items 13-17)

(RU103dd)



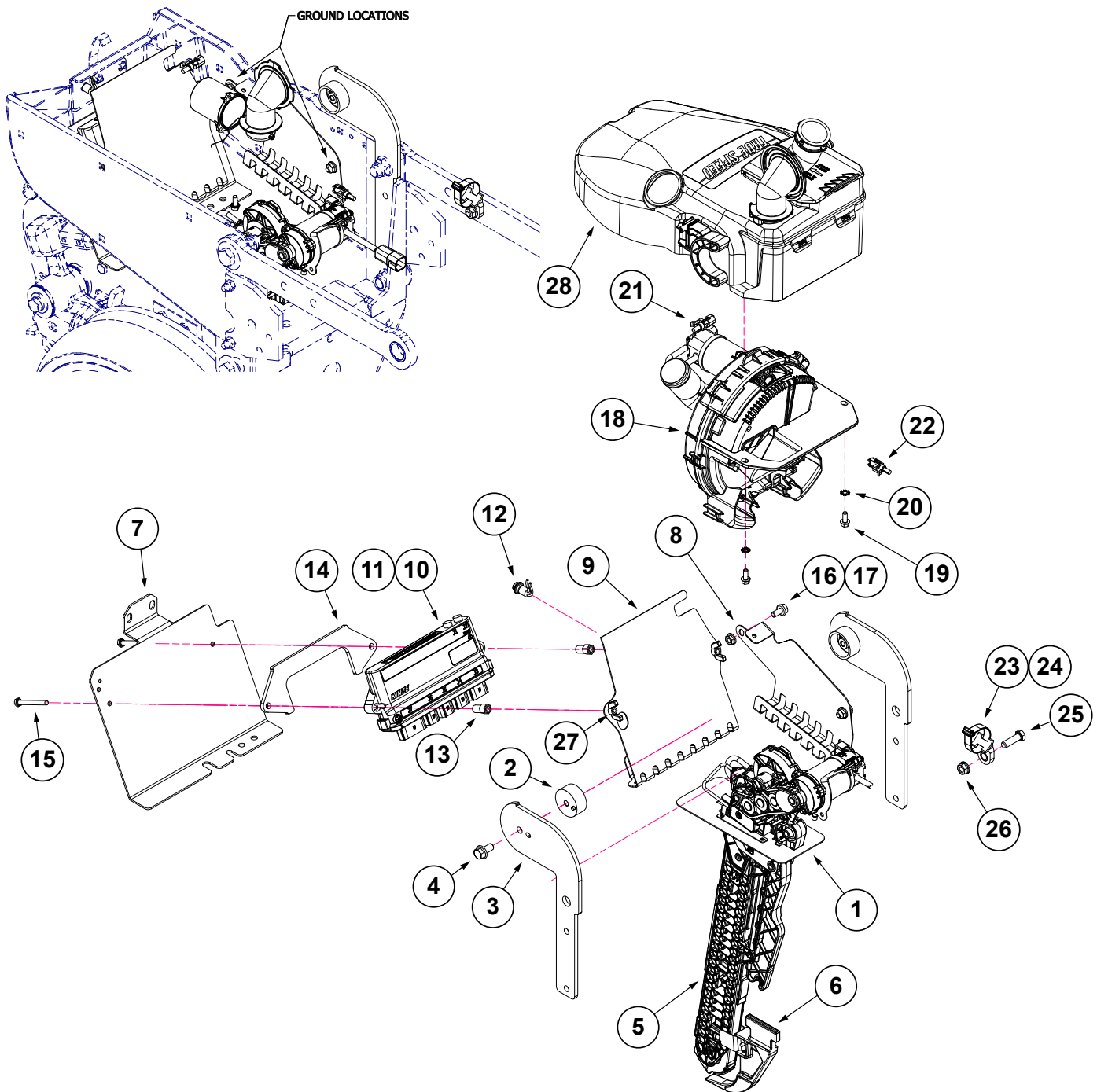
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GB0387	1	Wheel, 12 Tine, 3/8" x 12"
2	GA5654	1	Hub W/Bearings
	GA2014	-	Bearing
3	G10133	6	Hex Head Cap Screw, 5/16"-18 x 1 1/2"
	G10109	6	Lock Nut, 5/16"-18, Grade 8
4	GA6838	1	Wheel Mount
5	G10033	2	Hex Head Cap Screw, 1/2"-13 x 3 1/2"
	G10228	2	Lock Washer, 1/2"
	G10102	2	Hex Nut, 1/2"-13
6	GD9720	2	Spacer, 1/2" x 2 3/16" Long
7	G10371	1	Hex Head Cap Screw, 1/2"-13 x 3", Full Thread
8	G10501	1	Hex Jam Nut, 1/2"-13, Grade 2
9	GA6833	1	Upper Link
10	G10574	4	Carriage Bolt, 1/2"-13 x 1 1/4"
	G10111	4	Lock Nut, 1/2"-13
11	GA6832	1	Mount
12	GA6834	1	Lower Link
13	G10348	1	Hex Head Cap Screw, 1/2"-13 x 5" (Lockup Bolt)
	G10111	1	Lock Nut, 1/2"-13
14	GD5857	2	Spring
15	GD9715	2	Spacer, 1/2" x 3" Long
16	G10045	2	Hex Head Cap Screw, 1/2"-13 x 4 1/2"
	G10228	2	Lock Washer, 1/2"
	G10102	2	Hex Nut, 1/2"-13
17	GD9724	1	Backing Plate
18	G10006	1	Hex Head Cap Screw, 5/8"-11 x 2 1/4"
19	GD1132	1	Dust Cap
A	GA12236	-	Wheel Assembly, 12 Tine, R.H. (Items 1-3 and 18)

(106177)

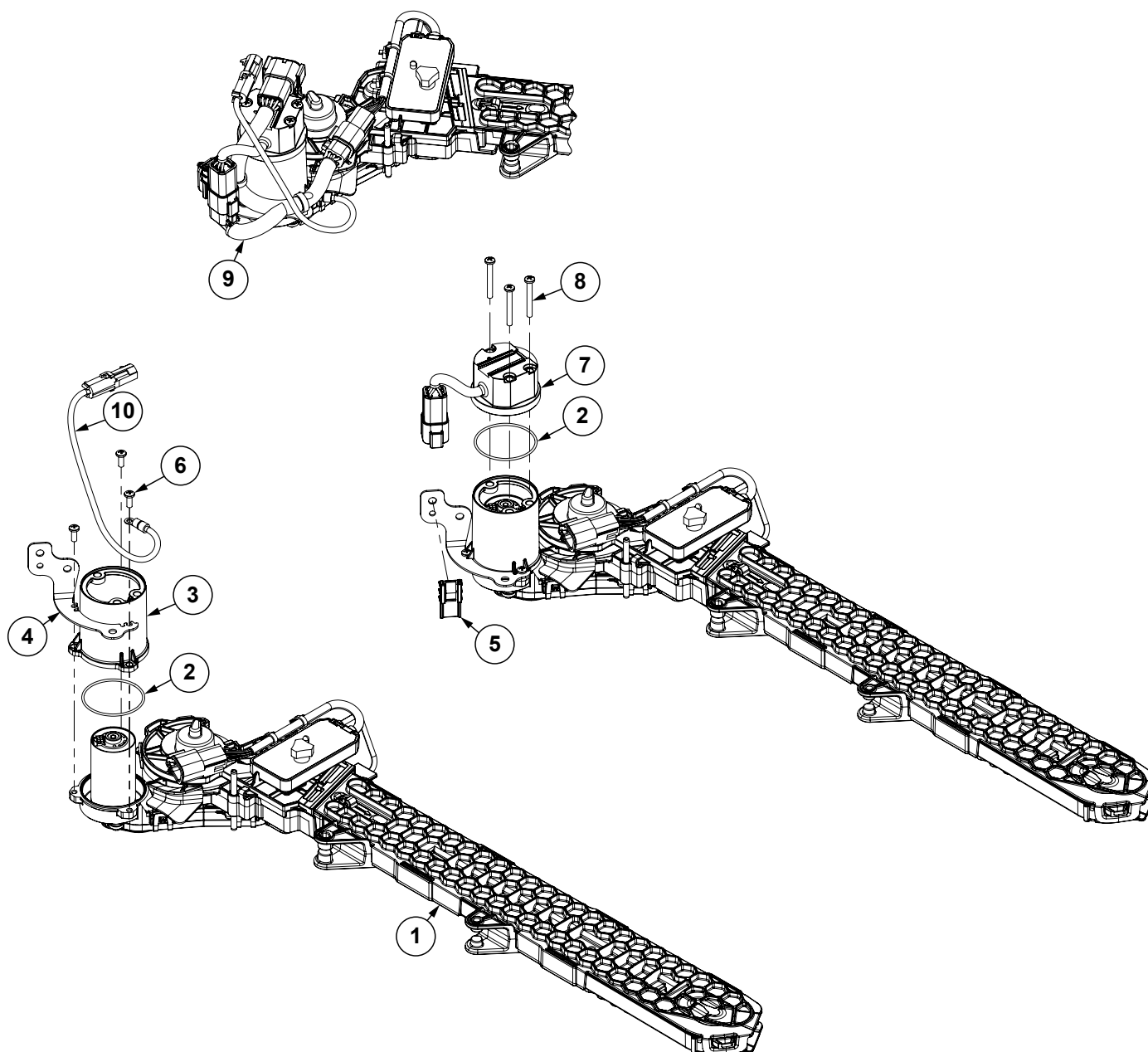


ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GA25261	1	Cylinder Complete, 1¼" x 4¼"
2	GA25264	1	Row Unit Control Block
3	GA25258	1	Upper Mounting Bracket
4	GA25257	1	Lower Mounting Bracket
5	GA25401	1	Back Mount
6	G6801-04-04	3	90° Elbow, 7/16"-20
7	GD35459	2	Hex Head Cap Screw, ¼"-20 x 1½", Grade 5 (W/Blue Loctite)
8	G10017	4	Hex Head Cap Screw, ½"-13 x 1½"
9	G10037	5	Hex Head Cap Screw, 1/2"-13 X 1 1/4"
10	G11875	1	Clevis Pin, ⅝" x 3"
11	G10564	1	Clevis Pin, ⅝" x 2½"
12	G10451	2	Cotter Pin, ⅛" x 1"
13	G10071	4	Serrated Flange Nut, ½"-13
14	G11389	4	Flat Washer, ½" Plated SAE
15	G11385	2	Flat Washer, ¼" SAE
16	G10228	5	Lock Washer, ½"
17	G11391	2	Flat Washer, ⅝" SAE

(103185)

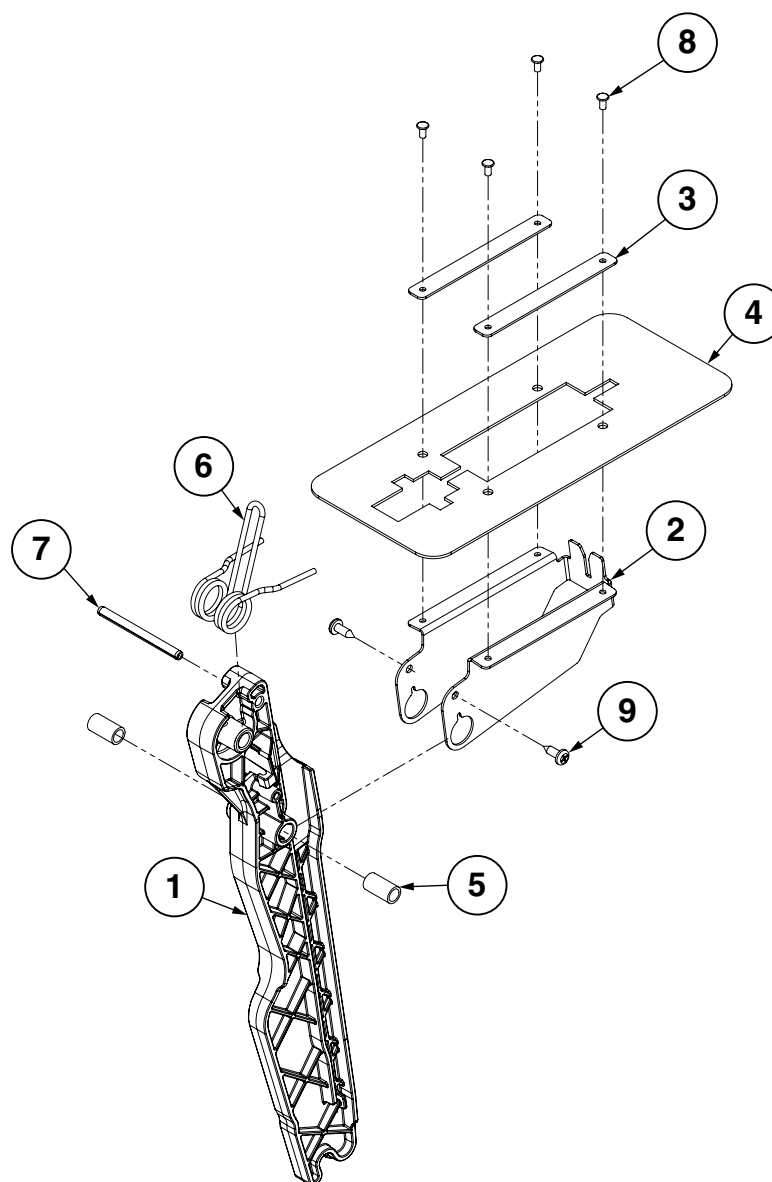


ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	-	See "Seed Delivery Rail Assembly" on page P44
2	GB1218	2	Hopper Mount
3	G10302401	2	True Speed Hopper Mount, 3000 Series
4	G11123	2	Hex Serrated Flange Cap Screw, 3/8"-16 x 3/4"
5	---	-	See "True Speed Seed Delivery System W/Driver" on page P43
6	G10418802	1	Disc Opener Scraper
7	G10617801	1	Pull Unit IPN Mount
8	G10267501	1	Wire Tray
9	G10267601	1	IPN Wire Shield, 3000 Series
10	GA25949	1	IPN Module Assembly
11	G7100-616	1	Decal, IPN/IPR M12 Connector O-Ring
12	GA15485	1	Switch
13	GD35609	2	Hex Standoff
14	GD35629	1	IPN RU Mount Plate
15	G11929	2	Hex Head Cap Screw, 1/4"-20 x 2.75", Grade 5
16	G10961	2	Hex Socket Flange Cap Screw, 5/16"-18 x 3/4", Grade 5
17	G10620	2	Serrated Flange Nut, 5/16"-18
18	---	-	See "True Speed Seed Meter" on page P49
19	G10960	2	Hex Non-Serrated Flange Cap Screw, 1/4"-20 x 5/8", Grade 5
20	G11249	2	External Tooth Washer, 1/4"
21	G10213601	1	ESD Ground Strap Harness, True Speed
22	G10213602	1	ESD Ground Strap Harness, True Speed
23	G10176901	1	Cable Tie, 1/2" x 12"
24	G10088301	1	Cable Tie Mount, 3/8"
25	G10004	1	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
26	G10622	1	Serrated Flange Nut, 3/8"-16
27	G10531	2	Wing Nut, 1/4"-20
28	---	-	See "True Speed Mini-Hopper" on page P55

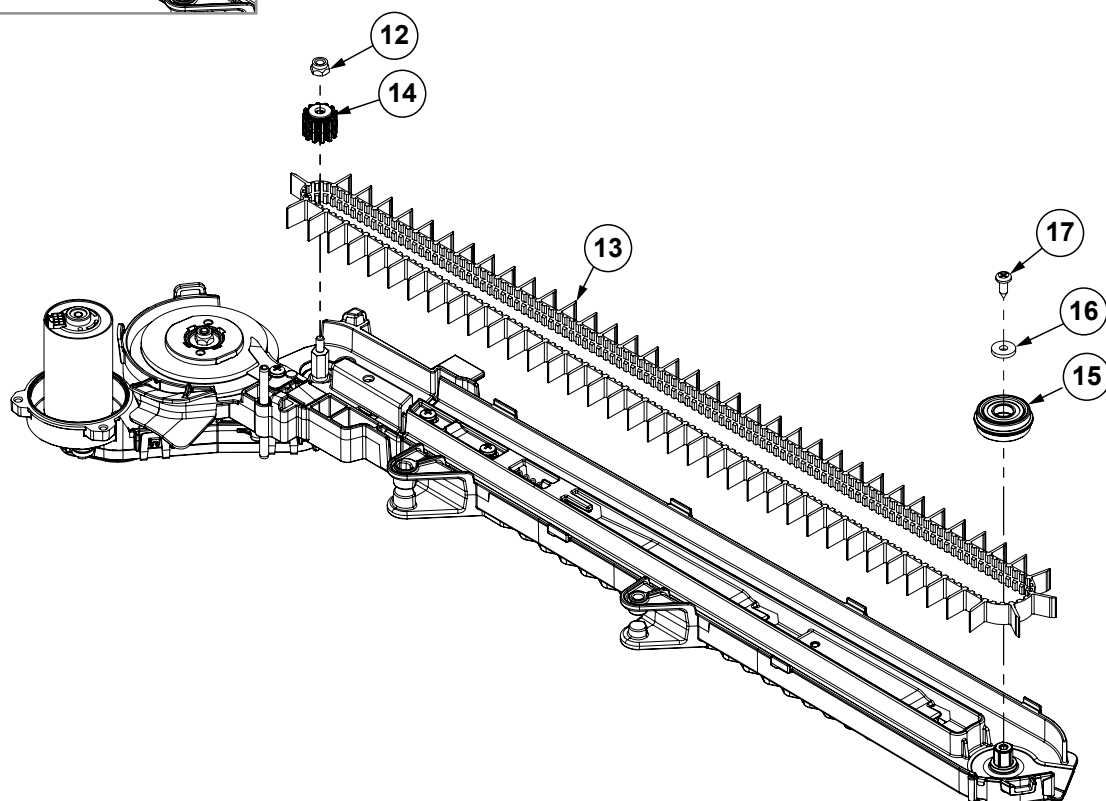
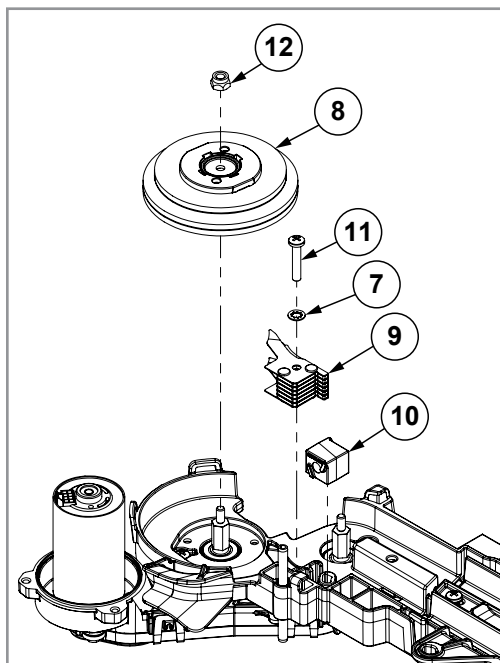


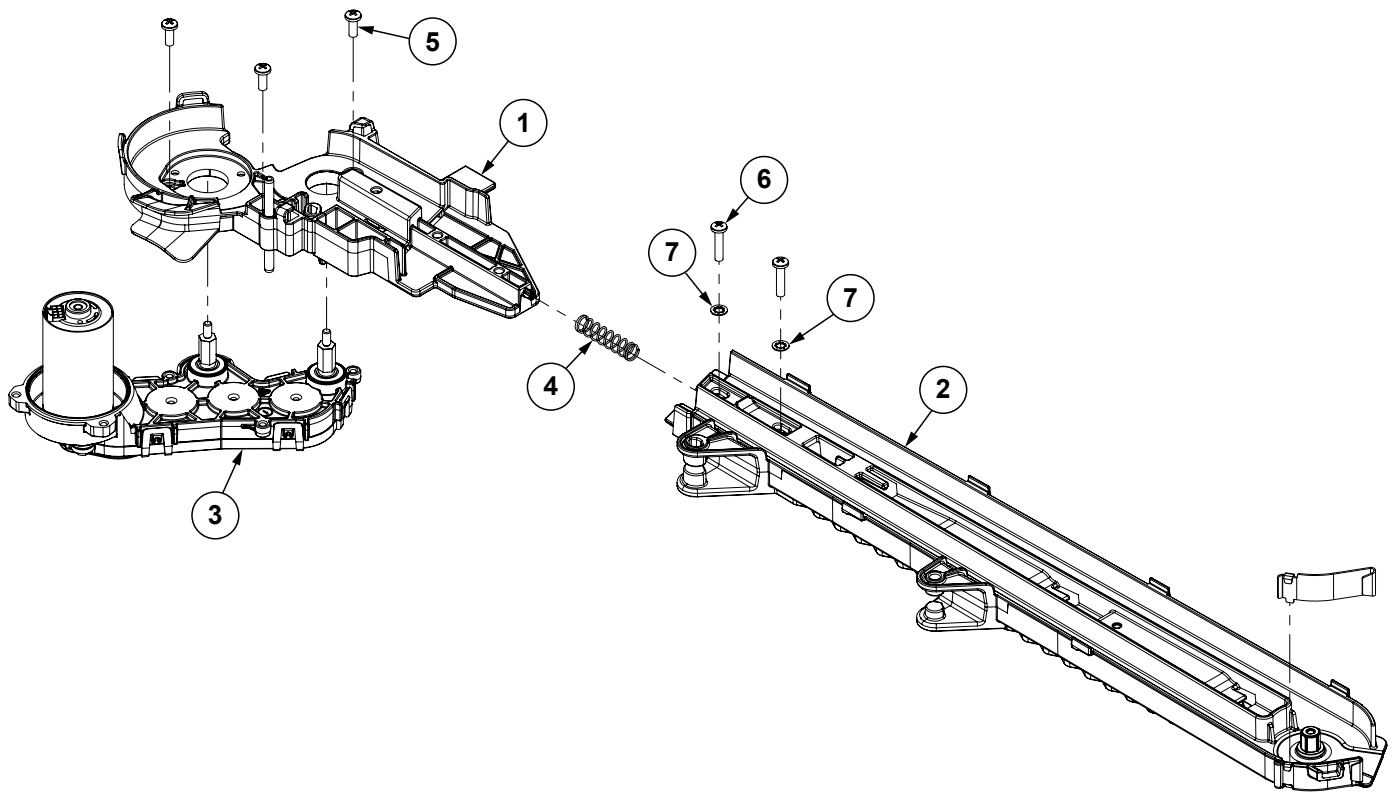
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA27001	1	See "True Speed Seed Delivery System Assembly" on page P45
2	GB1291	2	O-Ring
3	GB1289	1	BLDC Cover Housing
4	GD36961	1	Harness Routing Bracket
5	GD26293		Attachment Clip
6	G11981		Phillips Pan Head Machine Screw, #8-32 x 1/2"
7	G10429001	1	Motor Driver Assembly
8	G11297	3	Phillips Pan Head Machine Screw #8-32 x 1 3/8", Stainless Steel
9	GA26980	1	True Speed Seed Tube
10	G10213502	1	True Speed ESD Ground Strap Harness

(103188)

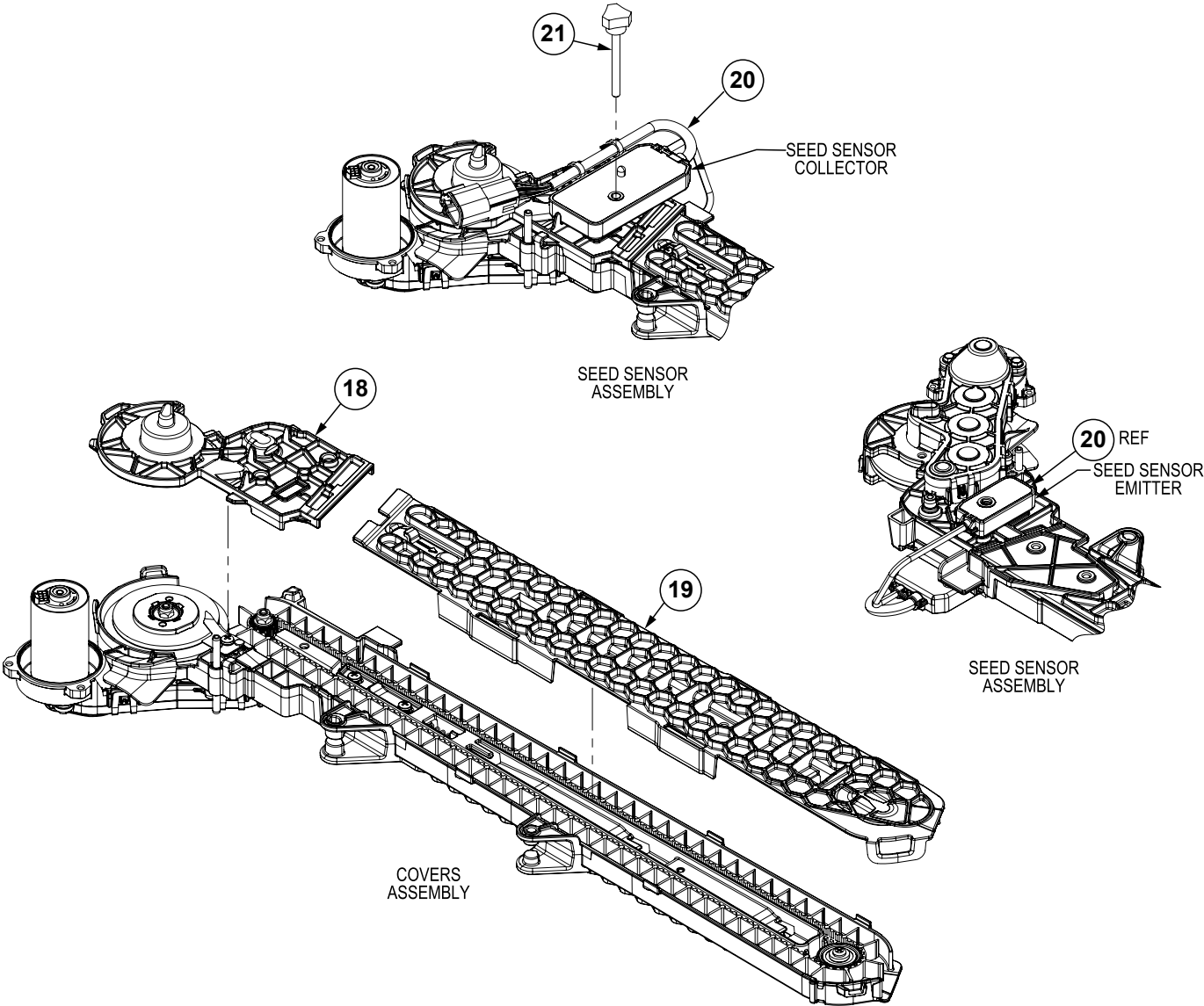


ITEM	PART NO.	QTY.	DESCRIPTION
1	GB1269	1	Seed Delivery Rail
2	GD36950	1	Seed Delivery Collar
3	GD36962	2	Residue Cover Retainer
4	GB1309	1	Residue Cover
5	GD36952-02	2	Spacer, .375" O.D. x 18 GA Wall x .69"
6	GD36951	4	Seed Delivery Spring
7	G11996	1	Spring Slot Pin, 3/16" x 2-1/4"
8	G11765	4	Blind Rivet, 1/8" x 1/4"
9	G11578	2	Phillips Pan Head Tapping Screw, No. 8-18 x 1/2"



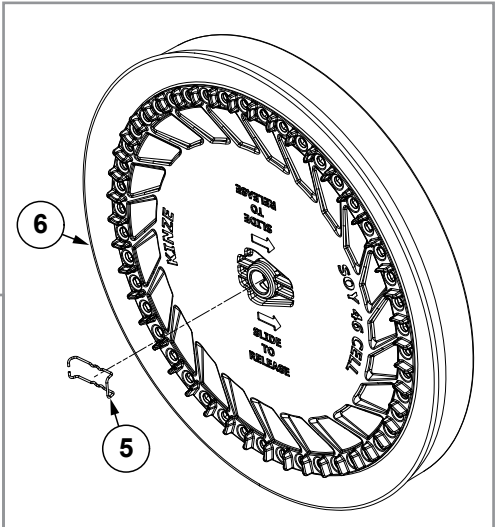
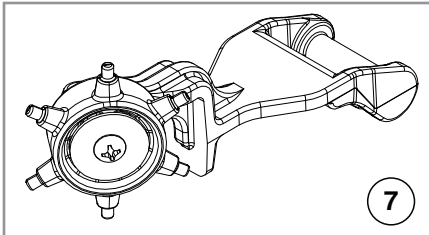
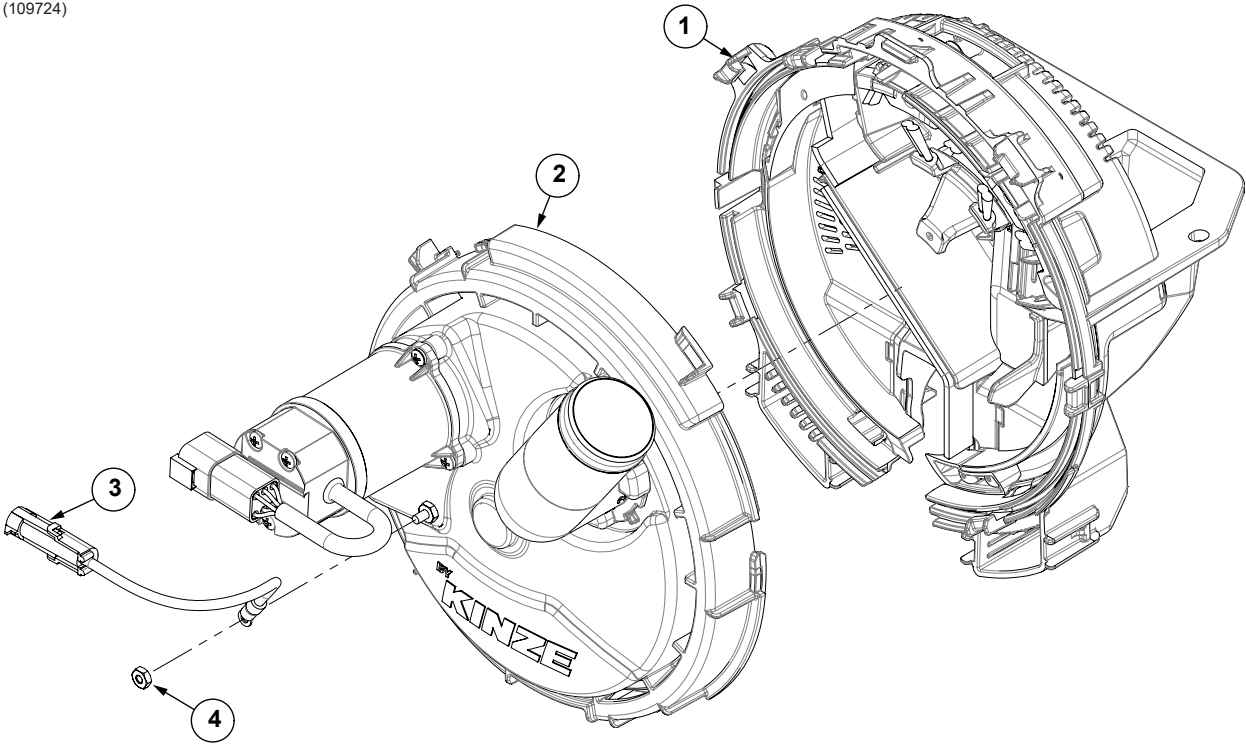


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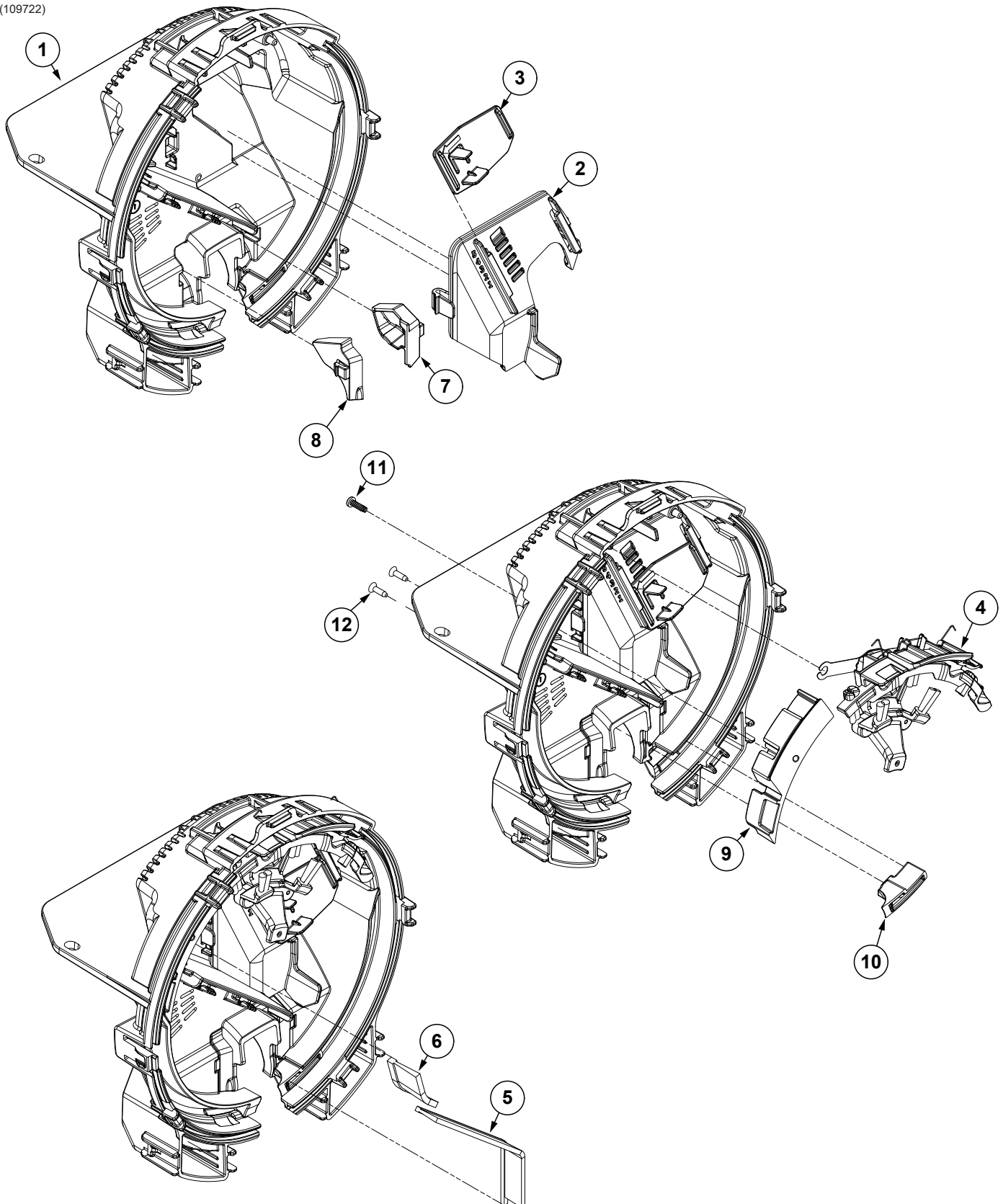
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA27133	1	Seed Delivery Upper Housing Assembly
	G10208201	1	Seed Delivery Upper Housing (Included W/GA27133)
	G11996	1	Spring Slot Pin, 3/16" x 2-1/4" (Included W/GA27133)
2	GA27084	1	Seed Delivery Lower Housing Assembly
	GB1250	1	Seed Delivery Lower Housing (Included W/GA27084)
3	G10545501	1	Seed Delivery Gearcase Assembly
4	GD36938	1	Belt Tensioner Spring
5	G11986	3	Phillips Pan Head Machine Screw, No. 8-32 x 7/16"
6	G11067	2	Phillips Pan Head Machine Screw, No. 8-32 x 3/4", Stainless Steel
7	G11995	3	Internal Tooth Washer, No. 8, Stainless Steel
8	GA27005	1	Brush Wheel Assembly
9	GA27004	1	Stripper Wheel Comb Assembly
10	GB1257	1	Seed Relief Scrubber
11	G11982	1	Phillips Pan Head Machine Screw, No. 8-32 x 7/8", Stainless Steel
12	G11202	2	Lock Nut W/Nylon Insert, No. 8-32, Stainless Steel
13	GB1256	1	Seed Delivery Belt
14	GB1254	1	Belt Drive Sprocket
15	GA27134	1	Seed Delivery Idler Pulley Assembly
	GB1255	1	Seed Deliver Idler Pulley (Included W/GA27134)
16	G11983	1	Flat Washer, No. 8
17	G11578	1	Phillips Pan Head Tapping Screw, No. 8-18 x 1/2"
18	G10208301	1	Seed Delivery Upper Cover
19	GB1251	1	Seed Delivery Lower Cover
20	GA27003	1	Seed Sensor Assembly
21	G10230701	1	Hex Socket Head Cap Screw, No. 10-24
	G10060301	1	Knob, No. 10
A	GA27001	1	Seed Delivery System Assembly, Items 1-21

(109724)



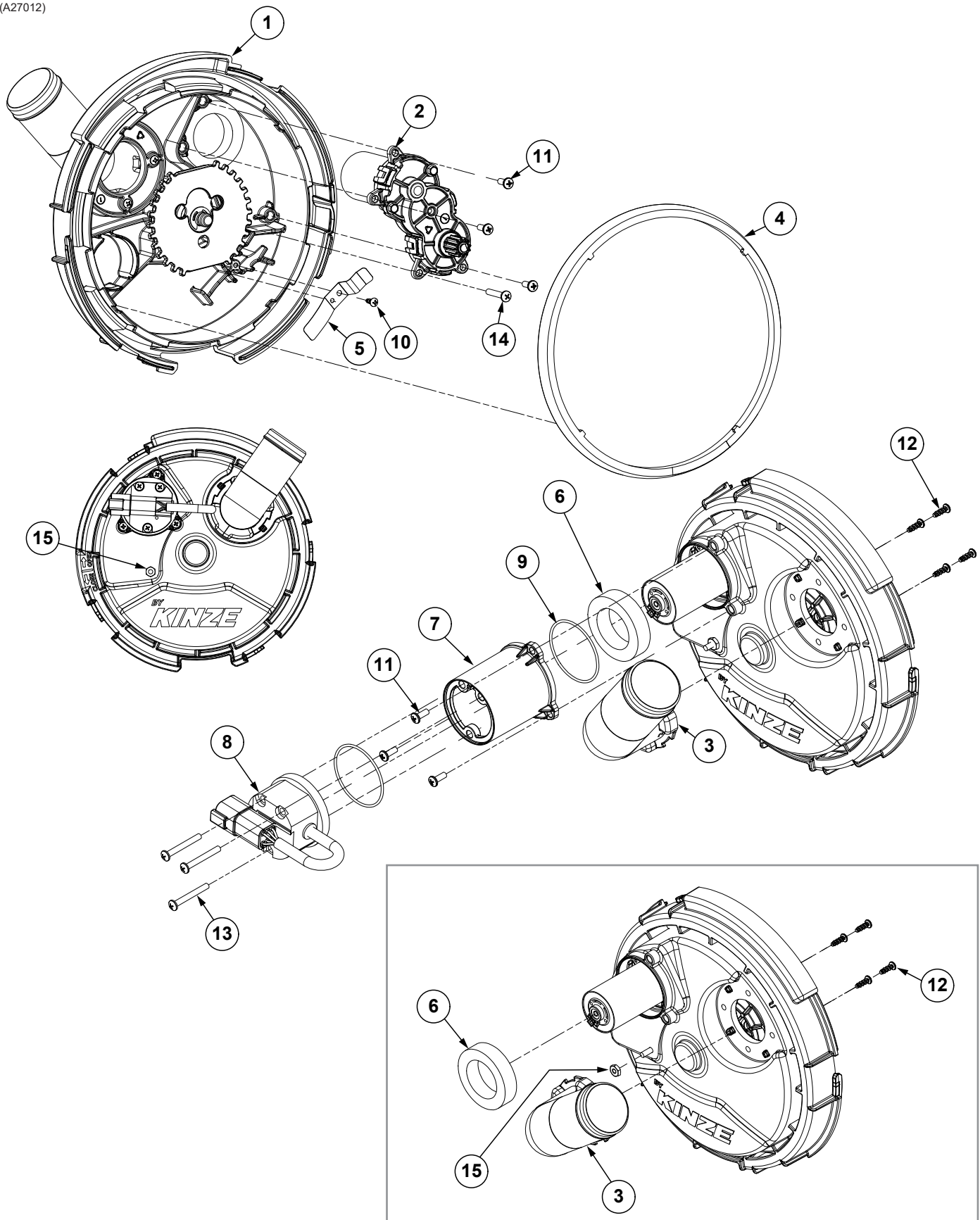
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10972201	1	See "True Speed Meter Housing" on page P51
2	GA27012	1	See "True Speed Meter Cover" on page P53
3	G10213501	1	Only applicable W/True Speed Meter W/Driver
4	G10928	1	Only applicable W/True Speed Meter W/Driver
5	G10318701	1	Seed Disc Retention Clip (Included W/Item 6)
6	G10892X	-	Seed Disc, Corn, 32 Cell (Light Blue Color-Coded) and Ejector Assembly
	G10893X	-	Seed Disc, Soybean, 92 Cell (Black Color-Coded) and Ejector Assembly
	G10894X	-	Seed Disc, Soybean, 46 Cell (Black Color-Coded) and Ejector Assembly
	G11124X	-	Seed Disc, Sunflower, 23 Cell (Yellow Color-Coded) and Ejector Assembly
	G10860X	-	Seed Disc, Sugarbeets/Milo, 46 Cell (Orange Color-Coded) and Ejector Assembly
	G11340X	-	Seed Disc, Rapeseed/Canola, 104 Cell (Dark Gray Color-Coded) and Ejector Assembly
	G11551X	-	Seed Disc, Wheat/Barley, 210 Cell (Red Color-Coded) and Ejector Assembly
7	G10177501	-	Ejector Assembly, 32 Cell Corn (Included W/G10892X)
	G10177601	-	Ejector Assembly, 92 Cell Soybean (Included W/G10893X)
	G10177701	-	Ejector Assembly, 46 Cell Soybean (Included W/G10894X)
	G10618501	-	Ejector Assembly, 23 Cell Sunflower (Included W/G11124X)
	GA27023	-	Ejector Assembly, 46 Cell Sugarbeets/Milo (Included W/G10860X)
	G10923601	-	Ejector Assembly, 104 Cell Rapeseed/Canola (Included W/G10860X)
	G11051001	-	Ejector Assembly, 210 Cell Wheat/Barley (Included W/G11551X)
A	G10972401	1	True Speed Meter W/Driver Assembly, Items 1-4
B	G10972501	1	True Speed Meter Assembly, Items 1-2

(109722)



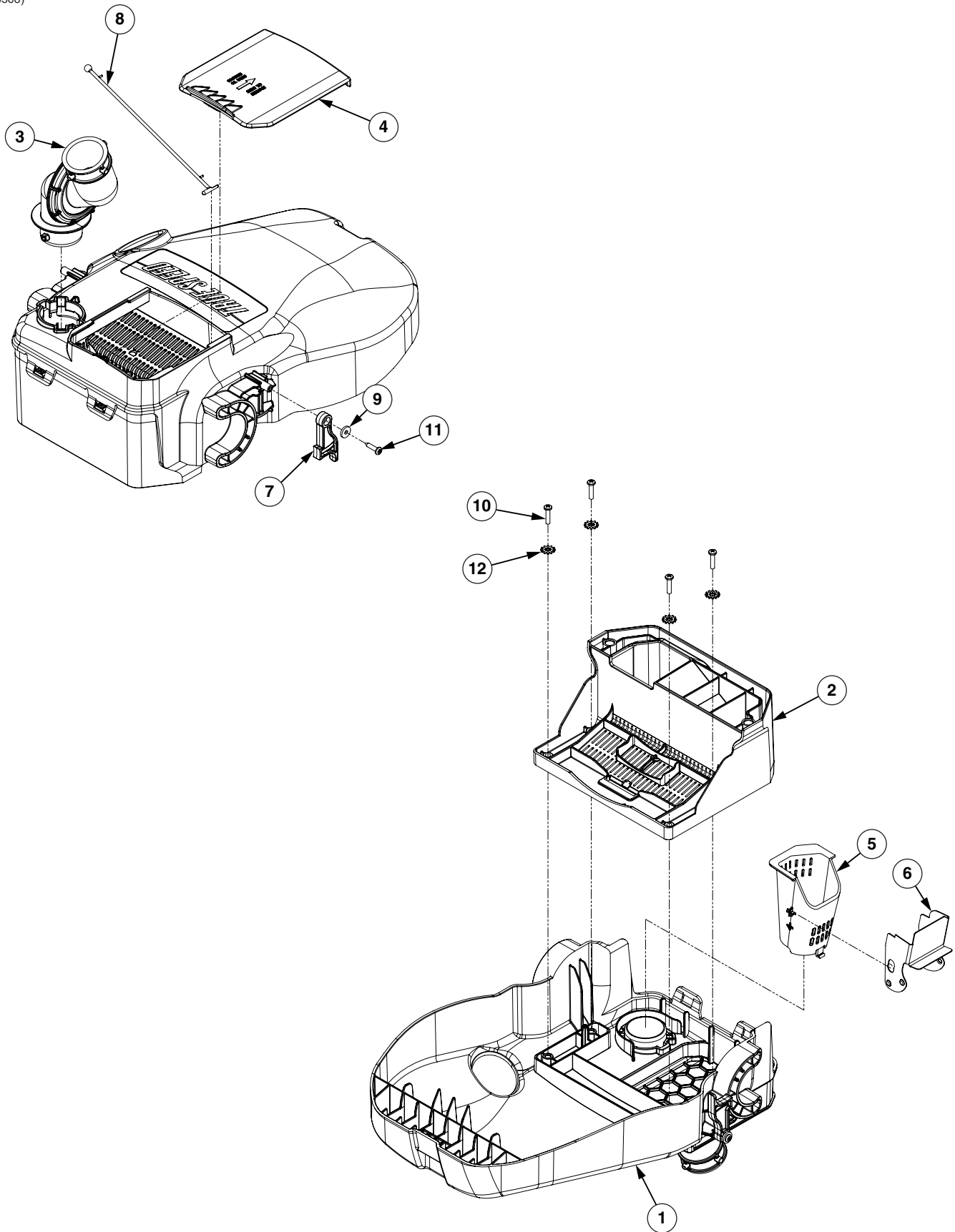
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10208401	1	Meter Housing
2	GB1275	1	Meter Baffle
3	GB1276	1	Door Baffle
4	GA27013	1	Singulator Assembly (Includes Items 13-14)
5	GD36954	1	Meter Wall Brush, Small
6	G10459801	1	Meter Wall Brush, Large
7	GB1307	1	Meter Housing Plug
8	GB1306	1	Meter Housing Plug
9	G10153101	1	Upper Seed Relief Insert
10	G10949902	1	Lower Seed Relief Insert
11	G11556	1	Phillips Pan Head Tapping Screw, 6-19 x ½"
12	G10181201	3	Phillips Pan Head Tapping Screw, No. 6-19 x ½"
13	GA27015	1	Outer Singulator Brush (Included W/Item 4)
14	GA27014	1	Inner Singulator Brush (Included W/Item 4)
15	G11619	4	Phillips Pan Head Tapping Screw, No. 6-19 x ⅜"

(A27012)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10320401	1	Meter Cover W/Bearing Assembly
2	G10545601	1	Meter Gearcase Assembly
	GA27007	-	BLDC Motor (Included W/G10545601)
	GB1288	-	Meter Pinion Gear (Included W/G10545601)
	G11994	-	External Side Mount Retaining Ring (Included W/G10545601)
	G10263501	-	Hex Serrated Flange Machine Screw, No. 6-32, Grade 2 (Included W/G10545601)
3	GB1281	1	Vacuum Elbow
4	GB1282	1	Meter Seal
5	GD36959	1	Ejector Arm Retention Spring
6	G10108302	1	Motor Foam Seal
7	GB1289	1	BLDC Cover Housing
8	G10429001	1	Motor Driver Assembly
9	GB1291	2	O-Ring
10	G11619	1	Phillips Pan Head Tapping Screw, No. 6-19 x 3/8"
11	G10724301	6	Phillips Pan Head Machine Screw, No. 8-32 x 7/16"
12	G11578	4	Phillips Pan Head Tapping Screw, No. 8-18 x 1/2"
13	G11960	3	Phillips Pan Head Machine Screw #8 - 32 x 1 1/2", Stainless Steel
14	G11201	1	Phillips Pan Head Machine Screw, No. 8-32 x 1", Stainless Steel
15	G10928	1	Hex Nut, No. 8-32, Stainless Steel

(103368)

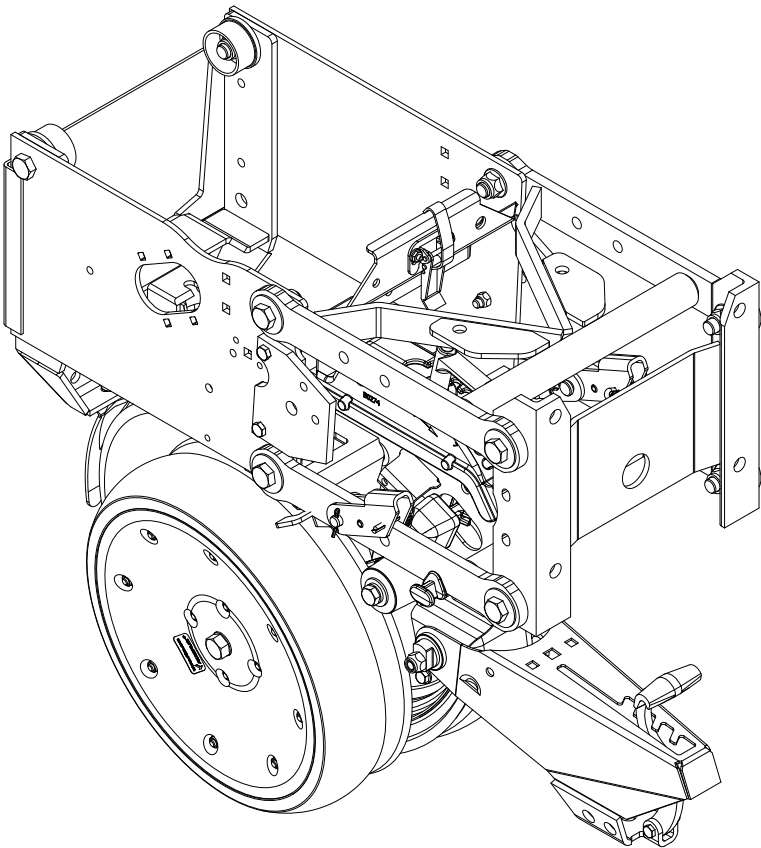


ITEM	PART NO.	QTY.	DESCRIPTION
1	G10201002	1	Mini-Hopper Cover
2	GB1240	1	Mini-Hopper
3	GA26999	1	Bulk Fill Swivel Inlet
4	GB1242	1	Mini-Hopper Lid
5	G10506301	1	Bulk Fill Diffuser
6	G10199801	1	Diffuser Door
7	GB1246	1	Hopper Latch
8	GB1247	1	Tether
9	G11983	1	Flat Washer, No. 8
10	G11067	4	Phillips Pan Head Machine Screw, No. 8-32 x 3/4", Stainless Steel
11	G11770	1	Phillips Pan Head Tapping Screw, 8-18 x 3/4"
12	G10931	4	Lock Washer, No. 8, Internal/External, Stainless Steel

NOTE: Push row units use the same seed tube, row unit depth adjustment components, quick adjustable down force springs, 15" opener disc blades, gauge wheels, closing wheels, meter drive and seed hopper as the pull row unit. See those pages for common parts.

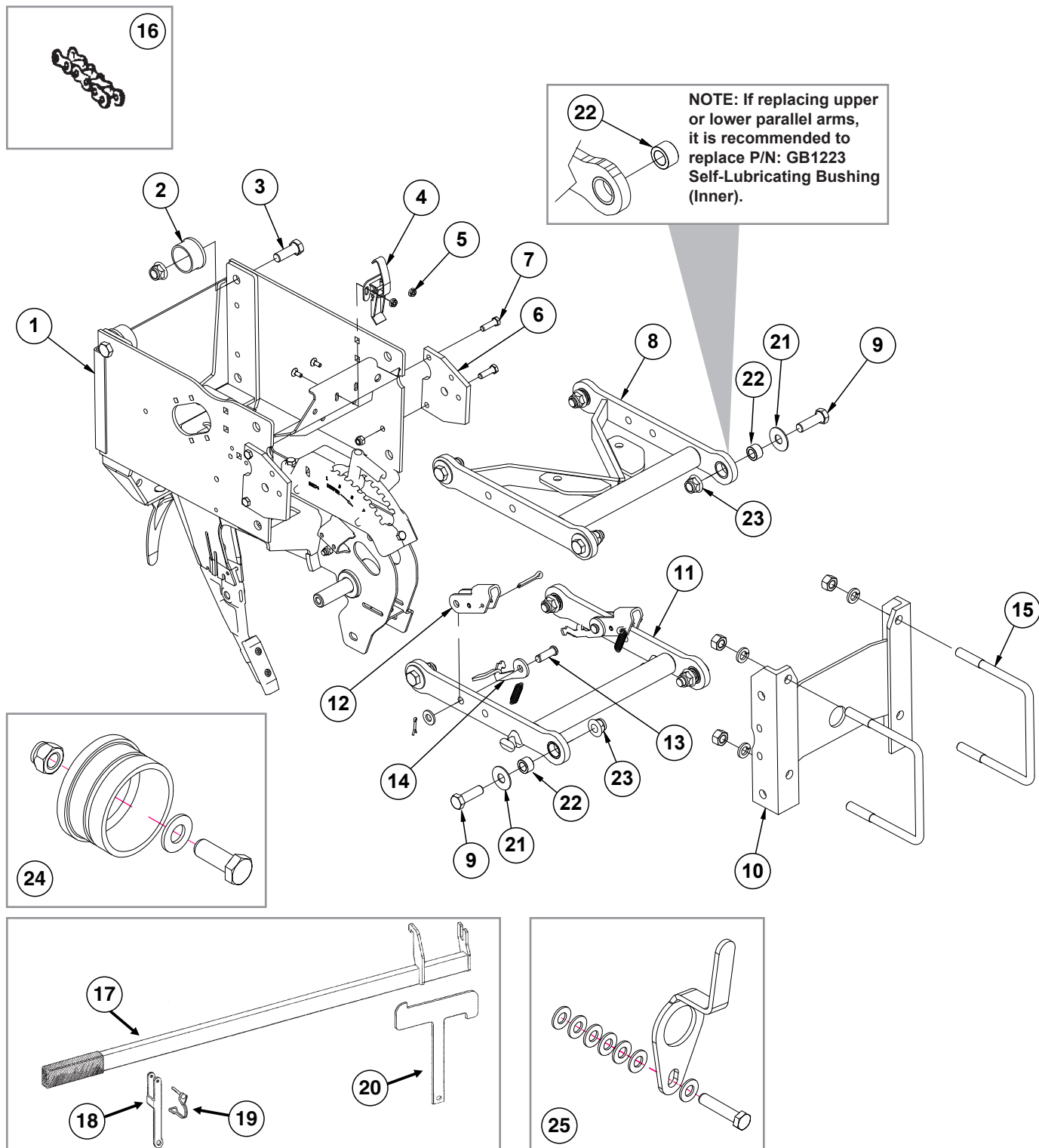
[See "Shank Assembly, Seed Tube, and Depth Adjustment" on page P3](#)
[See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Force Springs Option" on page P5](#)
[See "15" Seed Opener Disc Blade/Bearing Assembly and Scrapers" on page P7](#)
[See "Gauge Wheels" on page P9](#)
[See "'V" Closing Wheels" on page P11](#)
[See "Hopper Support and Meter Drive" on page P13](#)
[See "Seed Hopper and Lid" on page P20](#)

NOTE: Row unit assembly does not include the following: seed meter assembly, seed tube assembly, row unit hopper assembly, closing wheels, or seed meter clutch.



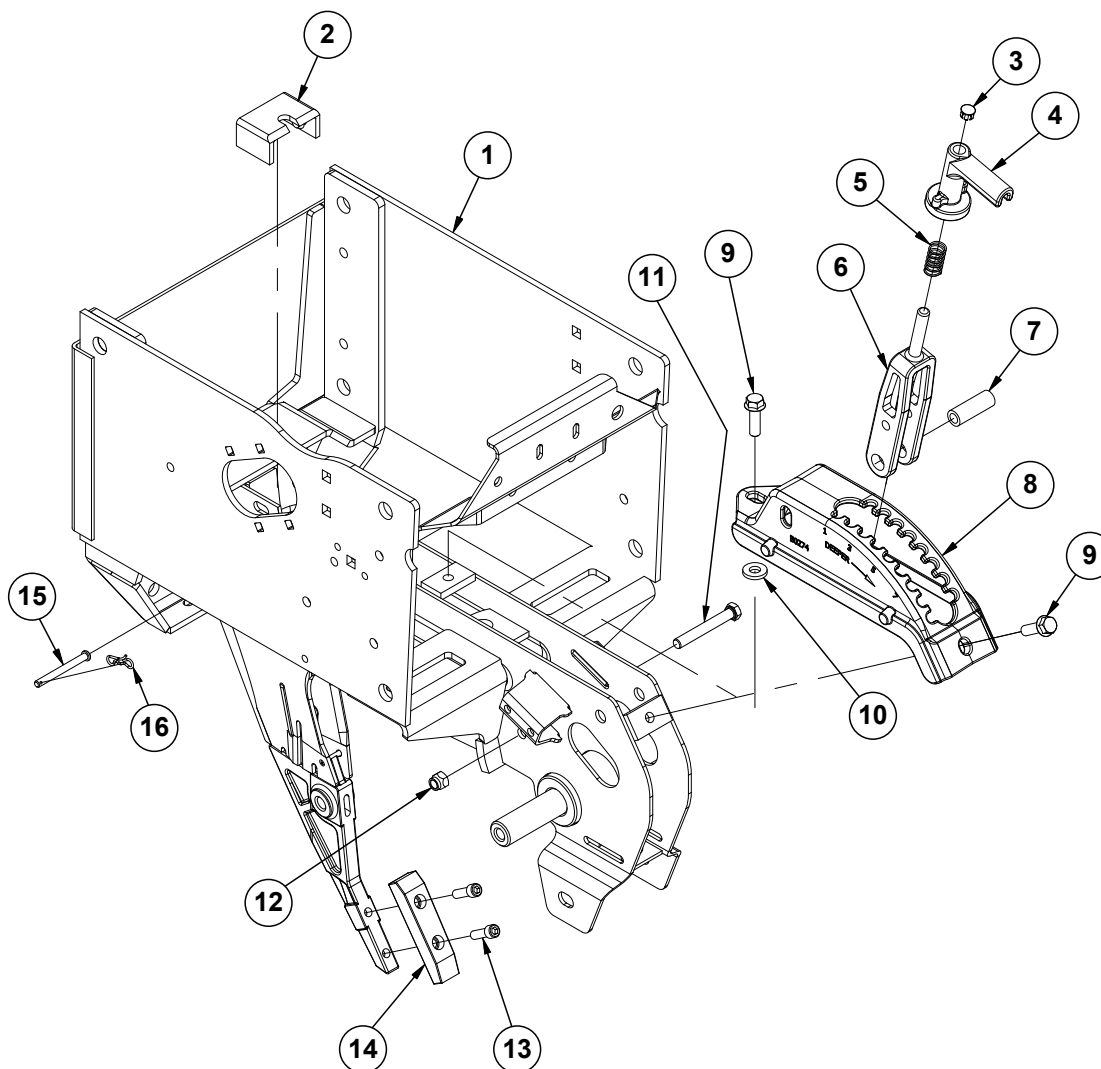
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G10504X	1	Push Row Unit Assembly (Standard Gauge Wheels)
2	G10985X	1	Push Row Unit Assembly (Spoked Gauge Wheels)

NOTE: Push row units use the same seed tube, row unit depth adjustment components, quick adjustable down force springs, 15" opener disc blades, gauge wheels, closing wheels, meter drive and seed hopper as the pull row unit. See those pages for common parts.



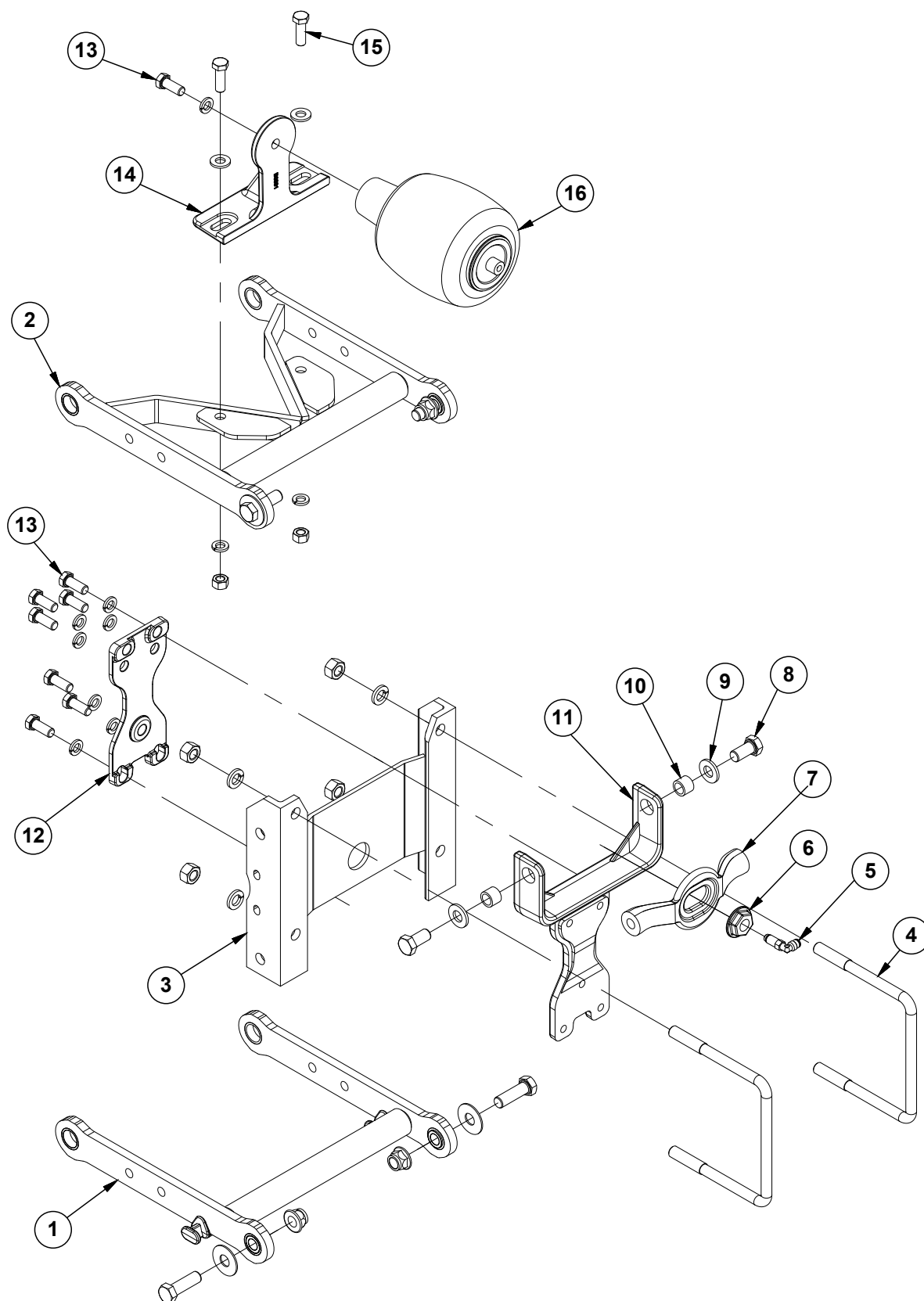
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	1	See "Shank and Depth Adjustment (Split Row)" on page P60
2	GB0314	2	Hopper Mount
3	G10751	2	Hex Head Cap Screw, $\frac{5}{8}$ "-18 x $1\frac{3}{4}$ "
	G11514	2	Lock Nut, $\frac{5}{8}$ "-18
4	GA2007	1	Hopper Hold Down Latch
5	G10621	2	Serrated Flange Nut, $\frac{1}{4}$ "-20
	G10309	2	Carriage Bolt, $\frac{1}{4}$ "-20 x $\frac{5}{8}$ ", Grade 5
6	GD24545	2	Row Unit Stop
7	G10004	4	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $1\frac{1}{4}$ "
	G10108	4	Lock Nut, $\frac{3}{8}$ "-16
8	G10011301	1	Upper Parallel Arm Assembly
	GB1224	-	Self-Lubricating Bushing (Included W/G10011301)
9	G10732	4	Hex Head Cap Screw, $\frac{5}{8}$ "-18 x 2"
10	GA11971	1	Mounting Plate
11	G10011401	1	Lower Parallel Arm Assembly
	GB1224	-	Self-Lubricating Bushing (Included W/G10011301)
12	GD11264	1	Lockup
	G10718	2	Spring Pin, $\frac{5}{16}$ " x $1\frac{1}{8}$ "
	G10463	2	Cotter Pin, $\frac{1}{4}$ " x $1\frac{1}{2}$ "
	GD25569	2	Spring
13	G10284	2	Clevis Pin, $\frac{1}{2}$ " x $1\frac{1}{2}$ "
	G11389	2	Flat Washer, $\frac{1}{2}$ " Plated SAE
	G10451	2	Cotter Pin, $\frac{1}{8}$ " x 1"
14	GD25568	1	Spring Mount Tab, L.H.
	GD29459	1	Spring Mount Tab, R.H.
15	GD1113	2	U-Bolt, 5" x 7" x $\frac{5}{8}$ "-11
	GD1114	2	U-Bolt, 7" x 7" x $\frac{5}{8}$ "-11
	G10230	4	Lock Washer, $\frac{5}{8}$ "
	G10104	4	Hex Nut, $\frac{5}{8}$ "-11
16	G3303-96	1	Chain, No. 41, 96 Pitch Including Connector Link
	GR0196	1	Connector Link, No. 41
17	GA24889	-	Lift Lever W/Boot
	GD11649	-	Boot (Included W/GA24889)
18	G10991201	1	Bracket (Lift Lever)
19	GD9695	1	Wire Lock Pin, $\frac{1}{4}$ " x $1\frac{3}{4}$ "
20	G10991301	1	Mounting (Lift Lever)
21	G11976	8	Flat Washer, $\frac{5}{8}$ " x $1\frac{3}{4}$ "
22	GB1223	8	Self-Lubricating Bushing
23	G11514	8	Lock Nut, $\frac{5}{8}$ "-18
24	GD17052	1	Vacuum Plug
	G11387	1	Hardened Washer, $\frac{3}{8}$ " SAE
	G10001	1	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 1"
	G10108	1	Lock Nut, $\frac{3}{8}$ "-16
25	G10180301	1	Hose Guide, Vacuum
	G10047	1	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $1\frac{3}{4}$ "
	G11387	7	Hardened Washer, $\frac{3}{8}$ " SAE
A	G1K534	-	Push Unit Lock-Up Kit, Items 6, and 12-14 (Includes GD24545 - Push Unit Stop)
B	G1K535	-	Push Unit Spring Lock-Up Kit, Items 12-14
C	G1K759	-	Push Row Unit Parallel Kit, Includes: (1) G10011301, (1) G10011401, (8) GB1223, (8) G11976, (2) G10732, (8) G11514, (6) G10751, (2) IS1066

(IP1585)



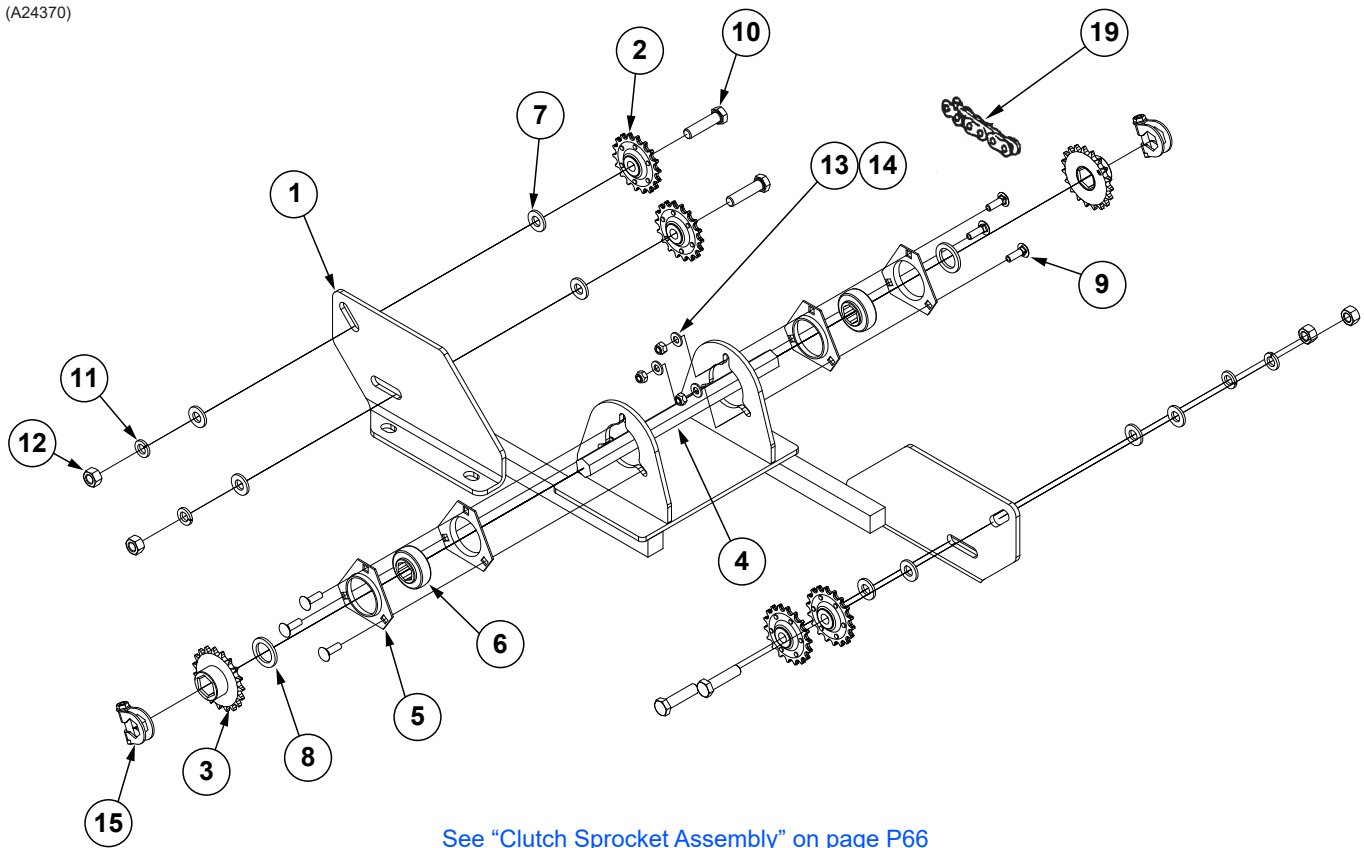
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GA26297	1	Push Row Unit Shank (Non-True Speed)
	G10258501	1	Push Row Unit Shank (True Speed)
2	GD16245	1	Sun Shade (Rubber)
3	GD3612	1	Cap Plug
4	GB0266	1	Handle, Depth Adjustment
5	GD10993	1	Spring
6	GB0267	1	Lever, Depth Adjustment
7	GD11259	1	Sleeve, $\frac{3}{8}$ " I.D. x $\frac{5}{8}$ " O.D. x $1\frac{25}{32}$ " Long
8	GB0274	1	Cover, Depth Adjustment
9	G11015	2	Hex Washer Head Cap Screw, $\frac{3}{8}$ "-16 x $1\frac{1}{4}$ "
10	G10207	1	Washer, $\frac{7}{8}$ " O.D. x $1\frac{13}{32}$ " I.D. x .134"
11	G11592	1	Hex Head Cap Screw, $\frac{3}{8}$ "-24 x $2\frac{3}{4}$ ", Grade 8
12	G11591	1	Nylon Lock Nut, $\frac{3}{8}$ "-24, Grade C
13	G10500901	2	Hex Socket Head Cap Screw, $\frac{5}{16}$ "-18 x 1" (Non-True Speed only)
14	G10038601	1	Scraper (Non-True Speed only)
15	G10551	1	Clevis Pin, $\frac{1}{4}$ " x $2\frac{1}{2}$ "
16	G10122301	1	Bow Tie Cotter Pin

(IP1641)

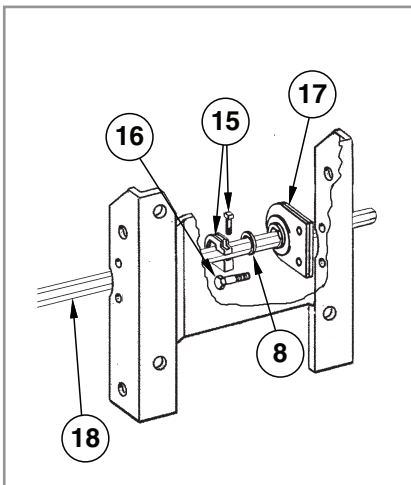


ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	---	See "Parallel Arms and Face Plate (Split Row)" on page P58
2	---	---	See "Parallel Arms and Face Plate (Split Row)" on page P58
3	---	1	See "Parallel Arms and Face Plate (Split Row)" on page P58
4	---	---	See "Parallel Arms and Face Plate (Split Row)" on page P58
5	GD18011	1	Elbow, $\frac{3}{8}$ " x $\frac{1}{8}$ " NPT Extended
6	GB0397	1	Shoulder Nut, $\frac{3}{4}$ "-16
7	GB0392	1	Yoke
8	G11018	2	Hex Head Cap Screw, $\frac{5}{8}$ "-18 x $1\frac{1}{4}$ "
9	G11391	2	Flat Washer, $\frac{5}{8}$ " SAE
10	GD3180-30	2	Sleeve, $\frac{7}{8}$ " O.D. x $\frac{5}{8}$ " I.D. x $2\frac{1}{32}$ "
11	GB0390	1	Yoke Mount
12	GB0389	1	Plate
13	G10037	8	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x $1\frac{1}{4}$ "
	G10228	8	Lock Washer, $\frac{1}{2}$ "
14	GB0391	1	Mount
15	G10017	2	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x $1\frac{1}{2}$ "
	G11389	2	Flat Washer, $\frac{1}{2}$ " SAE
	G10228	2	Lock Washer, $\frac{1}{2}$ "
	G10102	2	Hex Nut, $\frac{1}{2}$ "-13
16	GA11982	1	Air Spring Assembly

(A24370)

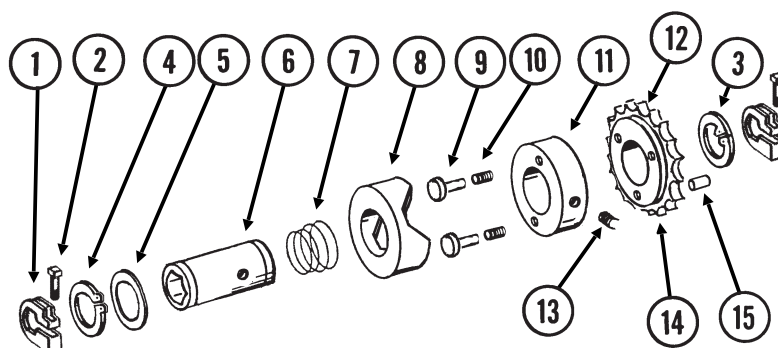


[See "Clutch Sprocket Assembly" on page P66](#)



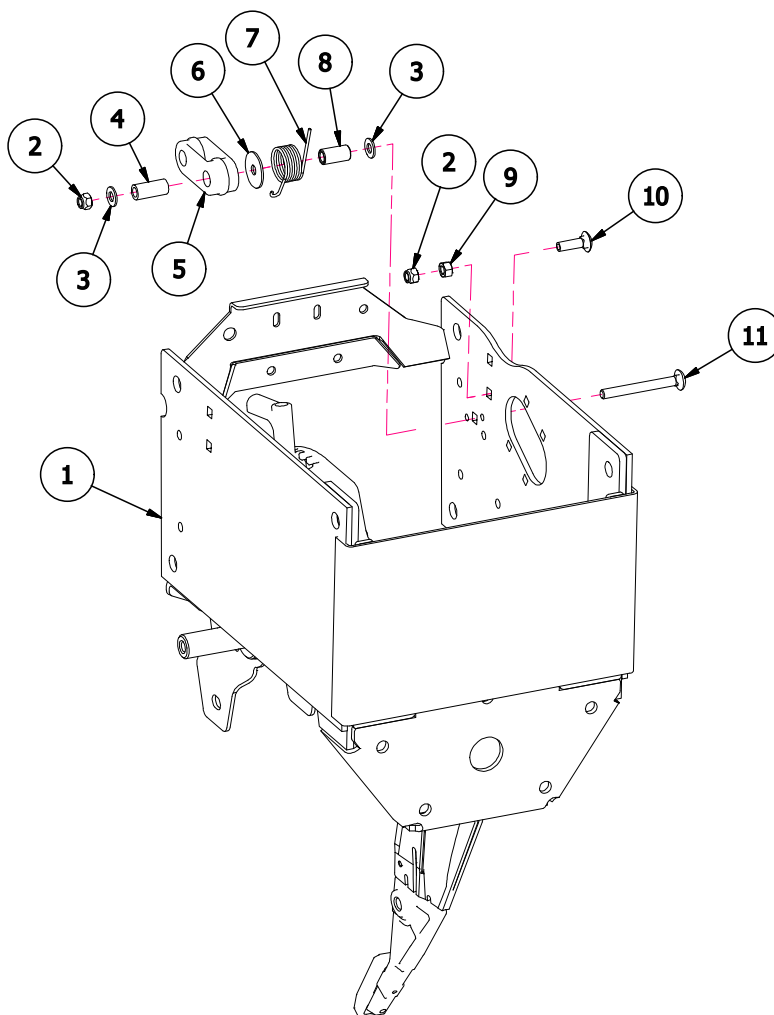
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA24373	1	Crossover
2	GA7154	4	Sprocket W/Bearing, 18 Tooth
3	GA5107	2	Sprocket, 19 Tooth
4	GD0914-12.50	1	Hex Shaft, 7/8" x 12 1/2"
5	G3400-01	4	Flangette
6	G2100-03	2	Bearing, 7/8" Hex Bore, Spherical
7	G11389	8	Flat Washer, 1/2" Plated SAE
8	G10233	2	Machine Bushing, 1 1/2" x 1/32", 10 Gauge (.1345")
9	G10303	6	Carriage Bolt, 5/16"-18 x 1"
10	G10016	4	Hex Head Cap Screw, 1/2"-13 x 2"
11	G10228	4	Lock Washer, 1/2"
12	G10102	4	Hex Nut, 1/2"-13
13	G11386	6	Flat Washer, 5/16" SAE
14	G10109	6	Lock Nut, 5/16"-18
15	GA11331	2	Hex Lock Clamp Assembly
16	G10004	-	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G11091	-	Serrated Flange Nut, 3/8"-16
17	GA2180	-	Hanger Bearing, 7/8" Hex Bore
18	GD0914-215	-	Hex Shaft, 7/8" x 215" (No Holes)
19	G3310-122	2	Chain, No. 40, 122 Pitch Including Connector Link
	GR0912	-	Connector Link, No. 40 (Included W/G3310-122)

(TWL58g)



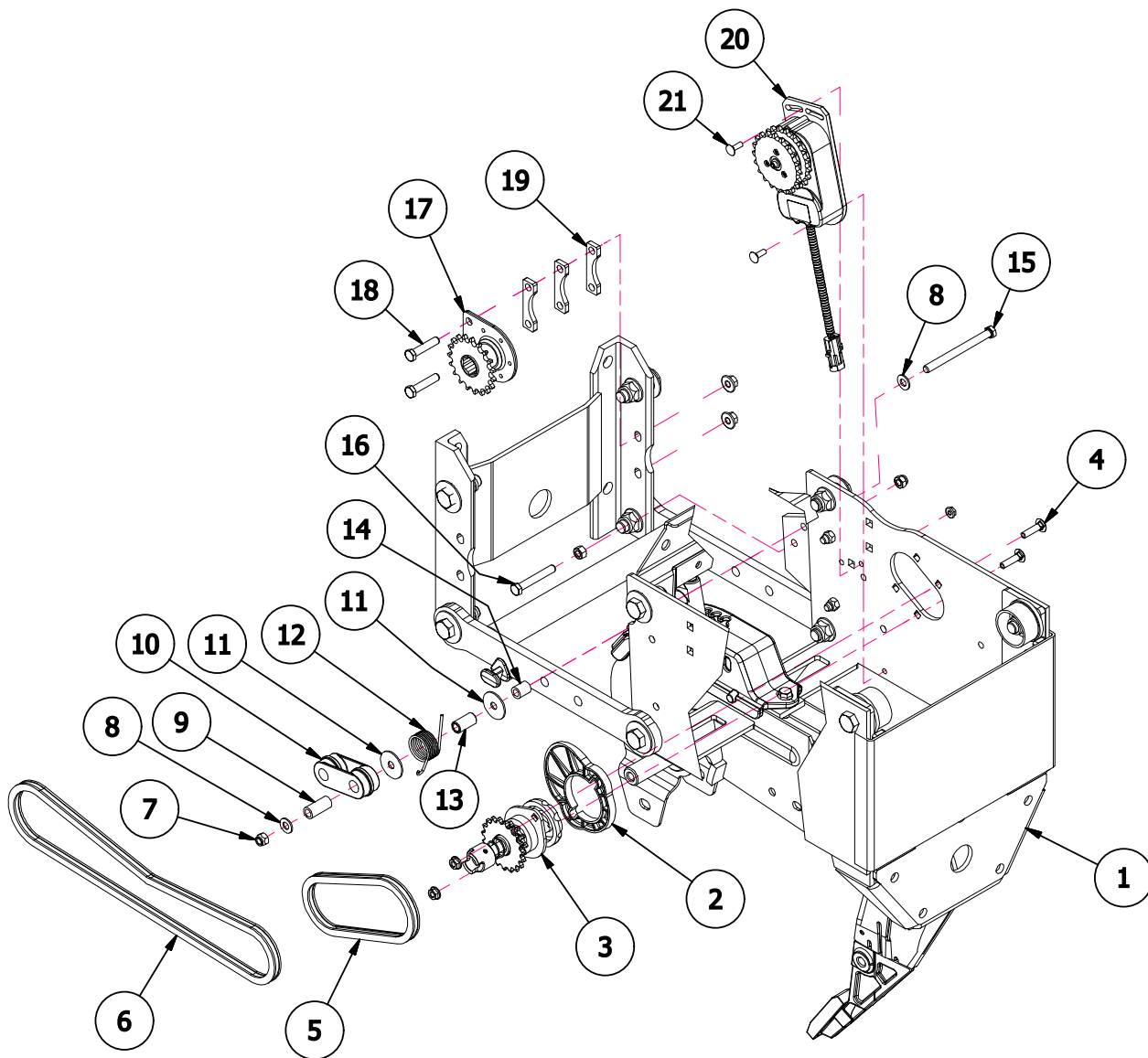
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD11045	-	Lock Clamp
2	G10130	-	Square Head Machine Bolt, $\frac{5}{16}$ "-18 x $1\frac{3}{4}$ "
	G10923	-	Flange Nut, $\frac{5}{16}$ "-18, No Serration
3	GD8306	2	U-Bolt, 7" x 5" x $\frac{1}{2}$ "-13
	G10228	4	Lock Washer, $\frac{1}{2}$ "
	G10102	-	Hex Nut, $\frac{1}{2}$ "-13
4	G10496	2	External Inverted Snap Ring, $1\frac{1}{2}$ "
5	GR1411	1	Shim
6	GR1407	1	Drive Shaft
7	GR1408	1	Compression Spring
8	GR1409	1	Knurled Collar
9	GR1410	1	Pin
10	GR1413	1	Spring
11	GR1405	1	Lock Collar
12	GR1406	1	Bushing
13	G10535	1	Hex Socket Set Screw, $\frac{3}{8}$ "-16 x $\frac{3}{4}$ "
14	GR1412	1	Sprocket, 19 Tooth
15	G10968	1	Spring Pin, $\frac{5}{32}$ " x $\frac{7}{16}$ "
A	GA8092	-	Clutch Sprocket Assembly, 19 Tooth (Items 4-15)
B	G1K331	-	Clutch Sprocket Kit (Items 12, 14 And 15)

(IP1586)



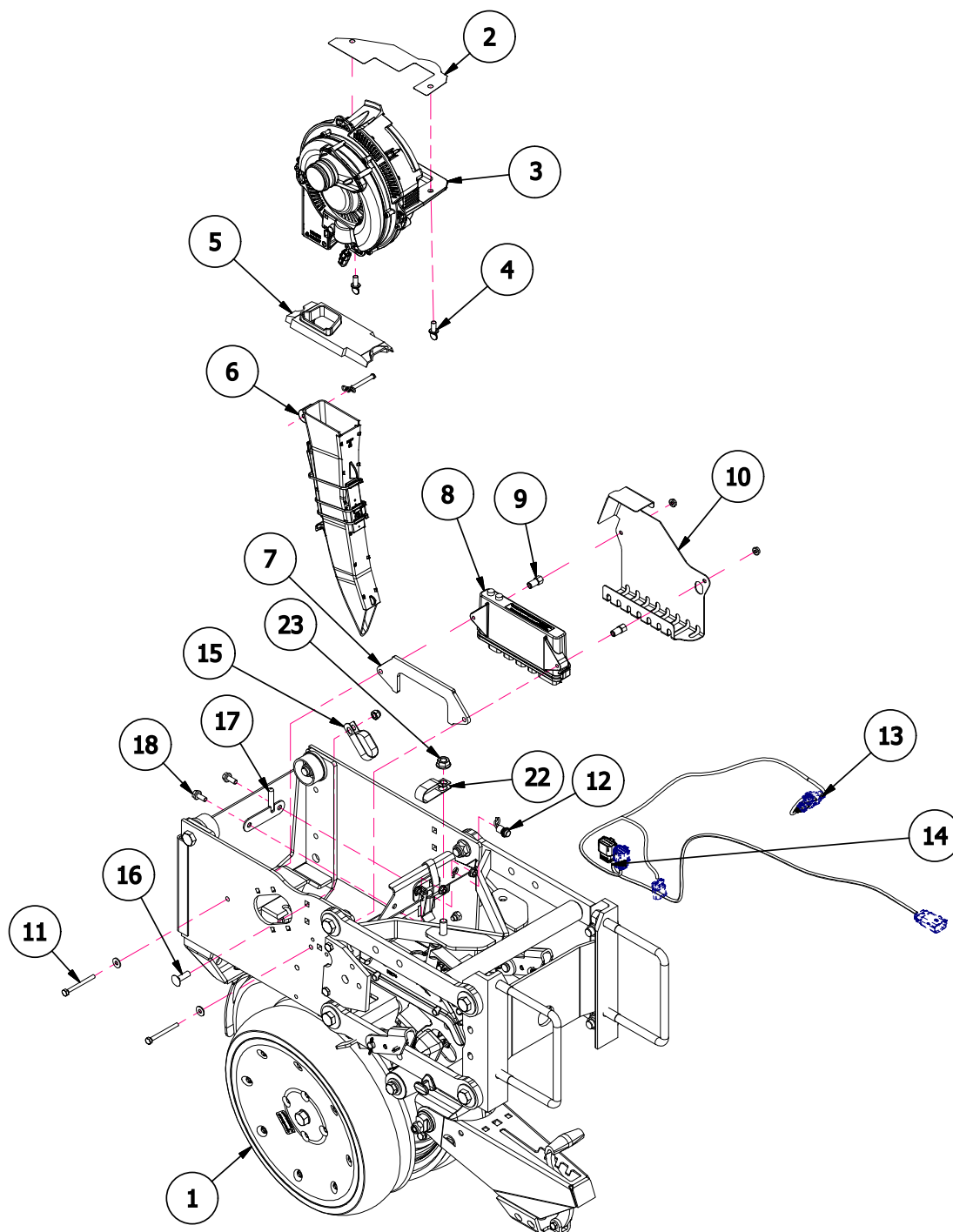
ITEM	PART NO.	QTY.	DESCRIPTION
1	---	-	See "Parallel Arms and Face Plate (Split Row)" P58
2	G10108	2	Lock Nut, 3/8"-16
3	G11387	2	Flat Washer, 3/8" SAE
4	GD8893-01	1	Sleeve, 1 3/8" Long
5	GB0968	1	Idler, Push Unit Drive
6	G10201	1	Special Washer, 3/8" x 1 1/2" O.D.
7	GD11218	1	Spring
8	GD1026	1	Sleeve, 1 3/16"
9	G10101	1	Hex Nut, 3/8"-16
10	G10599	1	Carriage Bolt, 3/8"-16 x 1 1/4"
11	G10307	1	Carriage Bolt, 3/8"-16 x 3 1/2"

(IP1590)



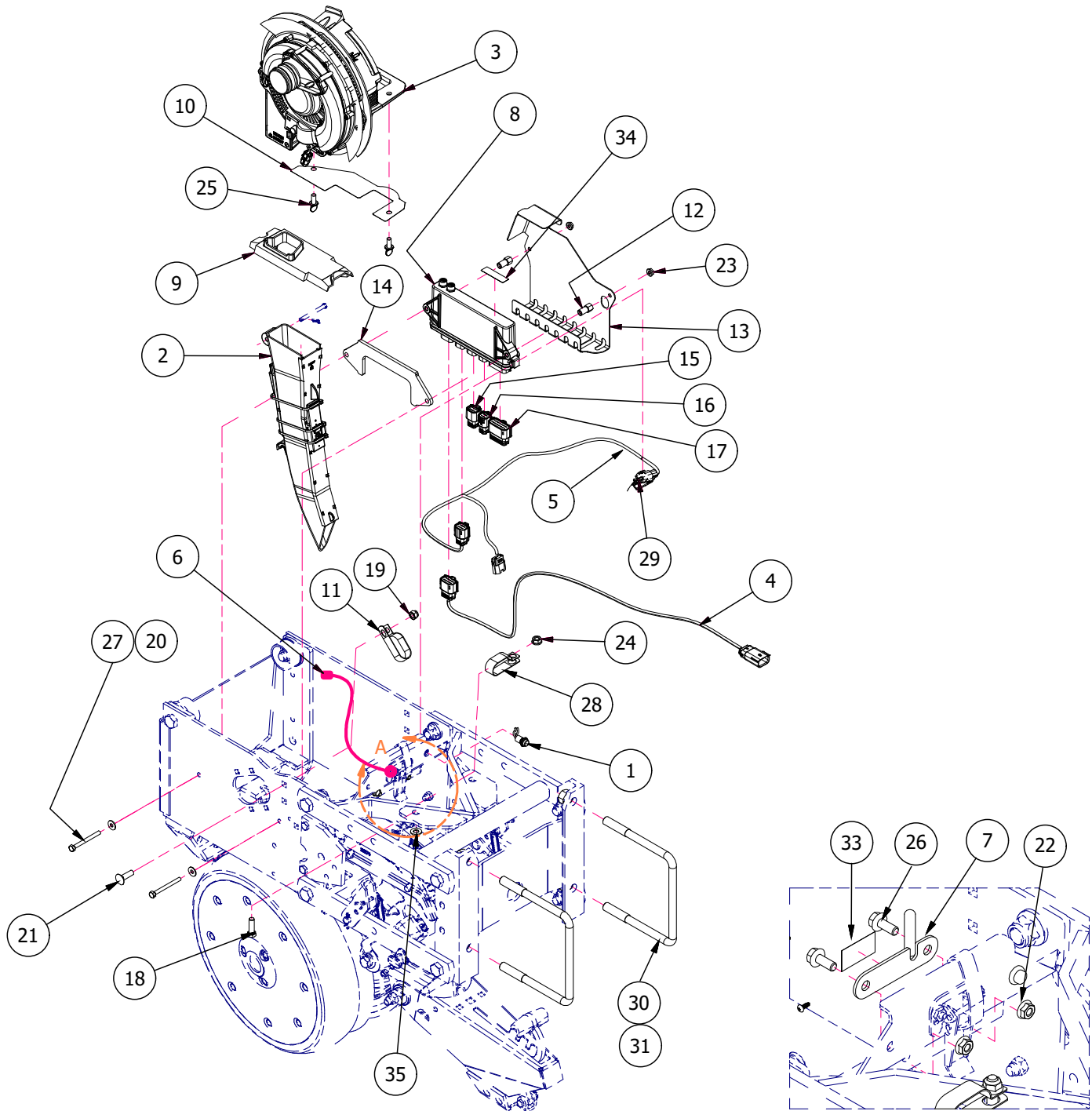
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	-	See "Parallel Arms and Face Plate (Split Row)" P58
2	GB0331	1	Clutch Adapter Plate
3	GA10151	1	Seed Meter Clutch Assembly
4	G10338	2	Carriage Bolt, 5/16"-18 x 1 1/4"
	G10620	2	Serrated Flange Nut, 5/16"-18
5	G3303-41	1	Chain, No. 41, 41 Pitch Including Connector Link
6	G3303-78	1	Chain, No. 41, 78 Pitch Including Connector Link
7	G10108	1	Lock Nut, 3/8"-16
8	G11387	2	Flat Washer, 3/8" SAE
9	GD8893-01	1	Sleeve, 1 3/8" Long
10	GB0968	1	Idler, Push Unit Drive
11	G10201	2	Special Washer, 3/8" x 1 1/2" O.D.
12	GD11218	1	Spring
13	GD1026	1	Sleeve, 1 3/16"
14	GD2971-24	1	Sleeve, 3/4"
15	G10753	1	Hex Head Cap Screw, 3/8"-16 x 4 1/2"
16	G10049	1	Hex Head Cap Screw, 3/8"-16 x 2 1/2"
	G10101	1	Hex Nut, 3/8"-16
	G10108	1	Lock Nut, 3/8"-16
17	GA1720	1	Bearing/Sprocket, 19 Tooth, 7/8" Hex Bore
18	G10047	2	Hex Head Cap Screw, 3/8"-16 x 1 3/4"
19	GD23774	3	Spacer
20	GA16374	1	Electric Clutch (Blue Drive Only)
21	G10310	2	Carriage Bolt, 1/4"-20 x 3/4", Grade 2
	G10621	2	Serrated Flange Nut, 1/4"-20

(IP1590)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	-	See "Clutch Sprocket Assembly" on page P66
2	GD29413	1	Hopper Shim
3	GA21450	1	See "Vacuum Seed Meter" on page P21
4	G11009	2	Locking Thumbscrew, 5/16"-18 x 3/4"
5	GB0926	1	Shank Cover
6	GA20914	1	Seed Tube Sensor
7	GD35629	1	IPN Row Unit Plate
8	GA25949	1	IPN Module Assembly
9	GD35609	2	Hex Standoff
10	GD35628	1	IPN Wire Shield, Push Unit
11	G11929	2	Hex Socket Flange Cap Screw, 5/16"-18 x 3/4"
	G10209	2	Washer, 1/4" USS
	G10621	2	Serrated Flange Nut, 1/4"-20
12	GA15485	1	Switch
13	GA25039	1	Row Unit Seed Meter Harness
14	GA25029	1	Row Unit Power Extension Harness
15	GD35449	1	Double Tube Clamp, 1"
16	G10599	1	Carriage Bolt, 3/8"-16 x 1 1/4"
	G10108	1	Lock Nut, 3/8"-16
17	GA25084	1	Meter Wire Guard
18	G11539	2	Hex Socket Flange Cap Screw, 5/16"-18 x 3/4"
	G10620	2	Serrated Flange Nut, 5/16"-18
19	GD35836	1	Sealed Plug, MX150, 2 x 4, Key B W/CPA
20	GD35837	1	Sealed Plug, MX150, 2 x 3, Key A W/CPA
21	GD35838	1	Sealed Plug, MX150, 2 x 10, Key A W/CPA
22	GD36388	1	1" Double Tube Clamp, 1/2" Bolt
23	G10071	1	Serrated Flange Nut, 1/2"-13
	G10037	1	Hex Head Cap Screw, 1/2"-13 X 1 1/4"
	G11389	1	Flat Washer, 1/2" Plated SAE

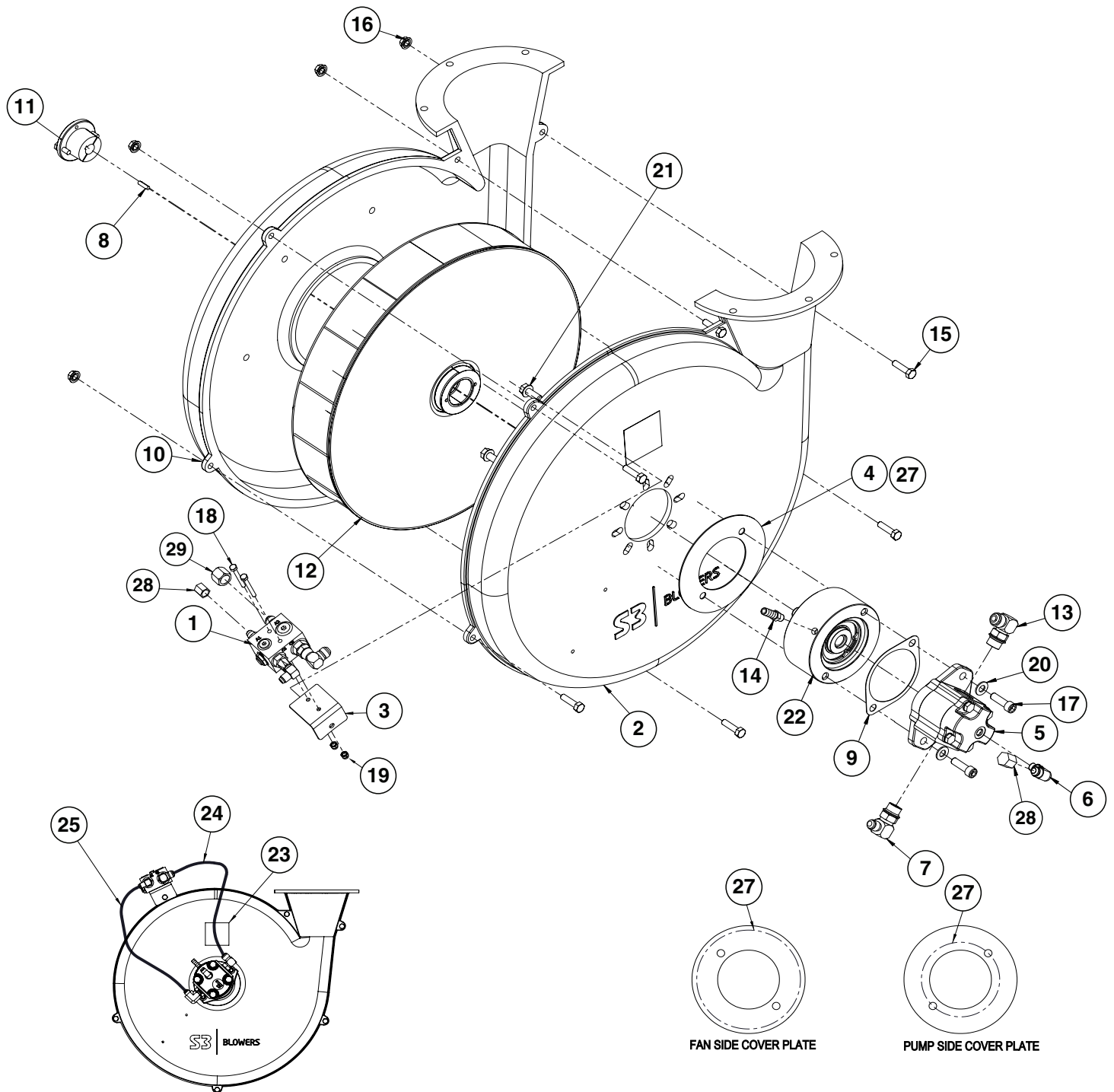
(10021103)



VIEW A

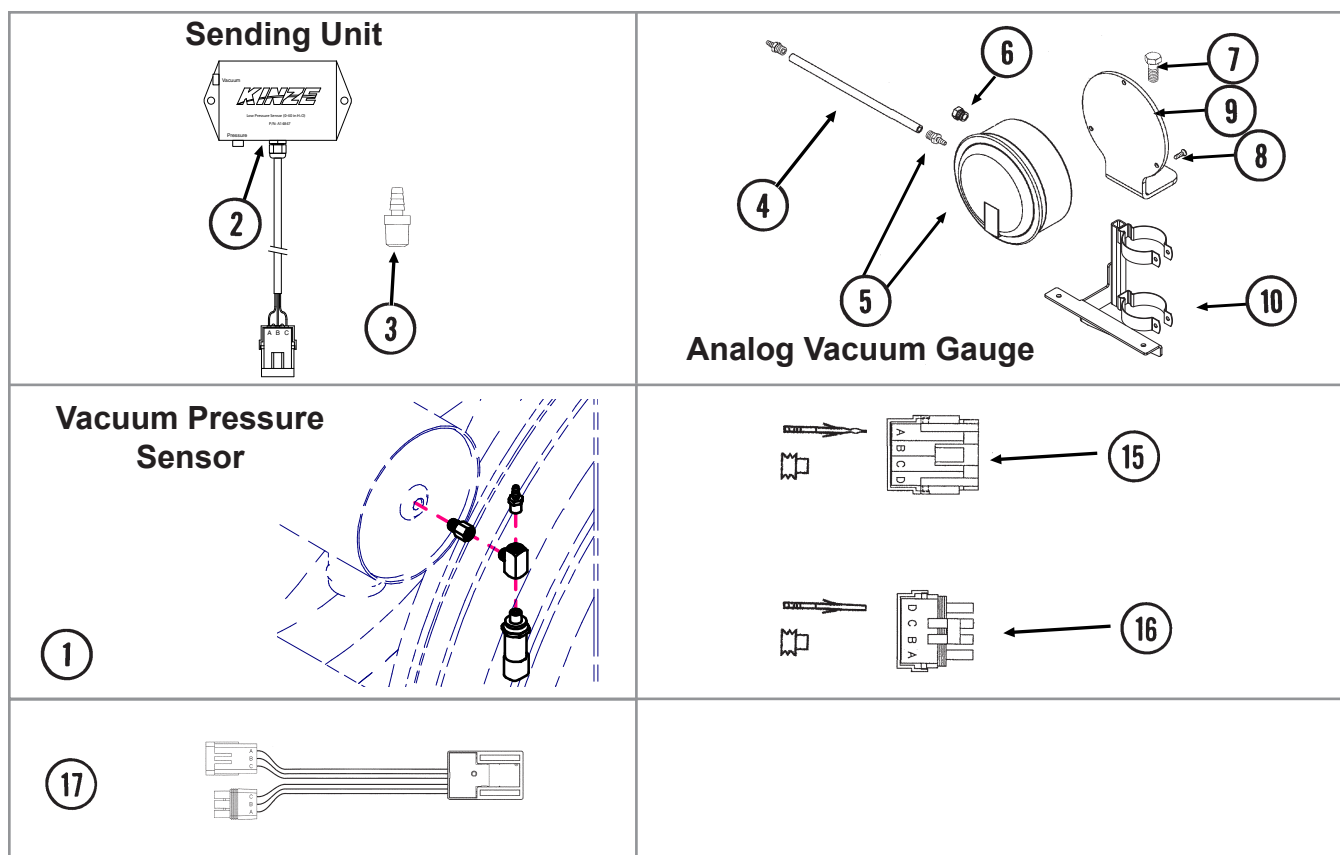
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GA15485	1	Switch
2	GA20914	1	Seed Tube Sensor
3	G10113001	1	True Rate Meter with Electric Motor Assembly (Item Shown Not Installed)
4	GA25029	1	Row Unit Power Extension Harness
5	G10884801	1	Push Unit Seed Meter Harness
6	GA20712	1	Row Unit ESD Drain Harness
7	GA25084	1	Meter Wire Guard
8	GA25949	1	IPN Module Assembly
9	GB0926	1	Shank Cover (Item Shown Not Installed)
10	GD29413	1	Hopper Shim (Item Shown Not Installed)
11	GD35449	1	Double Tube Clamp, 1"
12	GD35609	2	Hex Standoff
13	GD35628	1	IPN Wire Shield, Push Unit
14	GD35629	1	IPN Row Unit Plate
15	GD35836	1	Sealed Plug, MX150 2 x 4, Key B W/O CPA
16	GD35837	1	Sealed Plug, MX150, 2 x 3, Key A W/CPA
17	GD35838	1	Sealed Plug, MX150 2 x 10, Key A W/CPA
18	G10004	1	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
19	G10108	1	Lock Nut, 3/8"-16
20	G10209	2	Washer, 1/4" USS
21	G10599	1	Carriage Bolt, 3/8"-16 x 1 1/4"
22	G10620	2	Serrated Flange Nut, 5/16"-18
23	G10621	2	Serrated Flange Nut, 1/4"-20
24	G10622	1	Serrated Flange Nut, 3/8"-16
25	G11009	2	Locking Thumbscrew, 5/16"-18 x 3/4" (Item Shown Not Installed)
26	G11539	2	Hex Socket Flange Cap Screw, 5/16"-18 x 3/4"
27	G11929	2	Hex Head Cap Screw, 1/4"-20 x 2.75", Grade 5
28	GD36388	1	1" Double Tube Clamp, 1/2" Bolt
29	GA18933	1	Dust Plug
30	GD1113	2	U-Bolt, 5" x 7" x 5/8"-11
31	G10104	4	Hex Nut, 5/8"-11
32	G10230	4	Lock Washer, 5/8"
33	G7100-610	1	Decal, IPN/IPR M12 Connector O-ring
34	G10371001	1	Decal, Meter Wire
35	G11387	1	Flat Washer, 3/8" SAE

(109235)



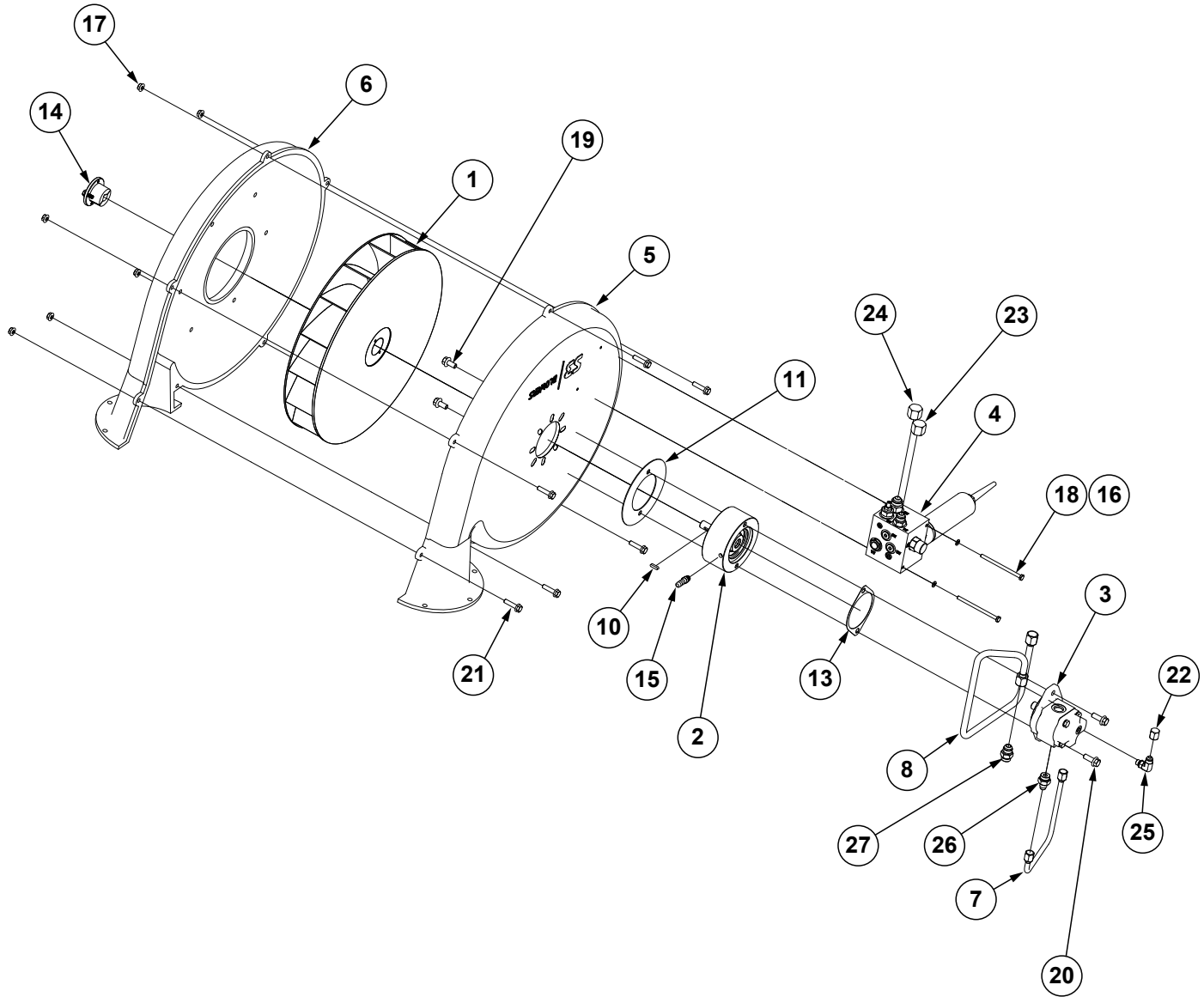
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA26398	1	Bulk Fill/Vacuum Anti-Cavitation Check Valve Block
2	GD35448	1	Vacuum Fan Drive Case
3	GD34098	1	Plate Mount Bracket
4	GD25644	1	Cover Plate
5	GA25397	1	Vacuum Fan Motor
6	G6801-06-04	1	Elbow, 90°, 9/16"-18 x 7/16"-20 W/O-Ring
7	G6801-06-08	1	Elbow, 90°, 9/16"-18 x 3/4"-16 W/O-Ring
8	GD21300	1	Key, 3/16" x 3/4"
9	GD30882	1	2-Bolt Mount Gasket
10	GD35447	1	Inlet Housing
11	GD34103	1	Bushing
12	GA21510	1	Impeller
13	G6801-08	1	Elbow, 90°, 3/4"-16 x 4"-16 W/O-Ring
14	GD35294	1	Hose Barb, 1/8"-27 NPTF x 3/8"
15	G10171	6	Hex Head Cap Screw, 5/16"-18 x 1 1/4"
16	G10620	6	Serrated Flange Nut, 5/16"-18
17	G11848	2	Hex Socket Head Cap Screw, 3/8"-16 x 1-1/4"
18	G10880	2	Hex Head Cap Screw, 1/4"-20 x 2 1/4"
19	G11320	2	Lock Nut, 1/4"-20, Grade B
20	G11387	2	Hardened Washer, 3/8" SAE
21	G11124	2	Hex Serrated Flange Cap Screw, 3/8"-16 x 1"
22	GA25388	1	Load Adapter
23	G10367101	1	Decal, Caution
24	GA12767	1	Hose Assy 1/2 X 22.0 (08F-08F)
25	GA3292	1	Hose Assy 3/8 X 22 (06F-06F)
26	GD20984	1	LOCTITE 243
27	GD27215	1	Silicone Sealer, Dow Corning 732, Clear
28	G304-C-6	2	Cap Nut, 9/16"-18
29	G304-C-8	1	Cap Nut, 3/4"-16

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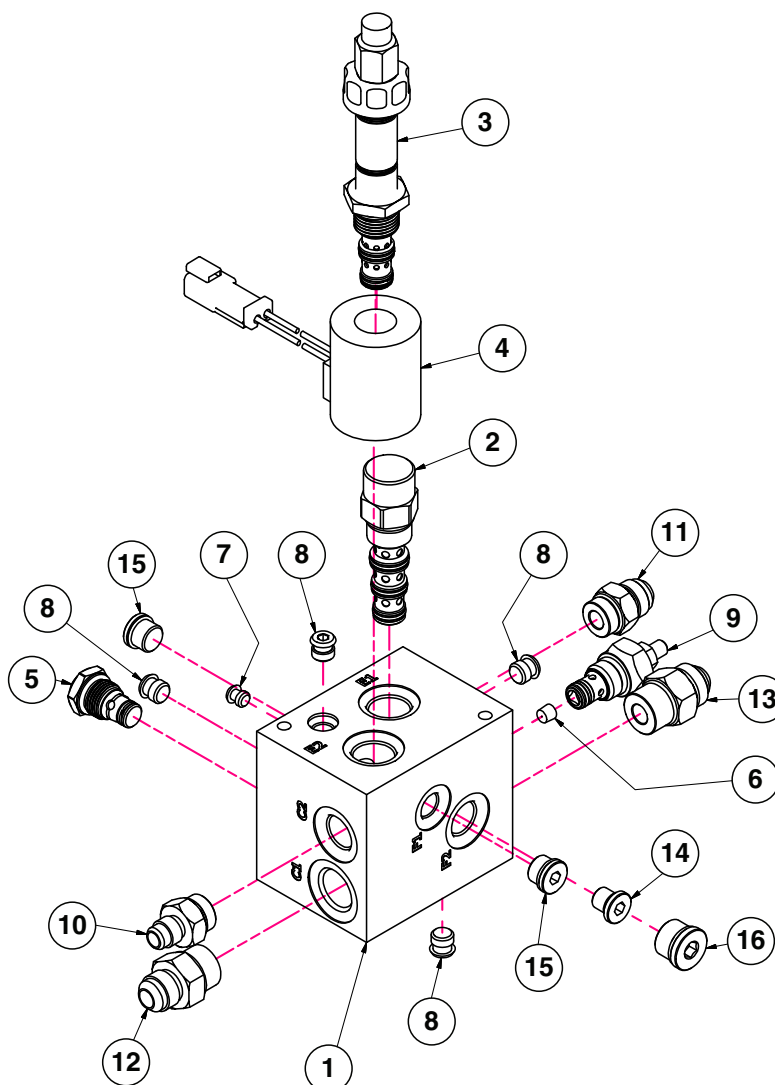
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10349601	1	Air Pressure/Vacuum Sensor
	G11009201	1	Air Pressure Adapter Cable
	GD28372	1	1/8" NPT Tee, Brass (Female/Male/Female)
	GD35903	1	Adapter Male 1/8 NPT
	GR1736	1	Hose Barb, 1/8" Male NPT To Barb
2	GA14847	1	Low Pressure Sensor (0-40 IN H ₂ O)
	GD17151-03	-	Nylon Tubing, 1/4" O.D. x 37'
	GA9964	-	Strain Relief
3	GR1736	1	Hose Barb, 1/8" Barb To 1/8" Male NPT
4	GD15849-02	1	Clear Plastic Tubing, 5/16" O.D. x 3/16" I.D. x 120"
5	GA21406	1	Pressure Gauge W/Hose Barb
	GR1777	-	Hose Barb, 1/8" Male NPT To 3/16" Barb (Included W/GA21406)
6	GA10799	1	Breather, 1/8" Male NPT
7	G10001	1	Hex Head Cap Screw, 3/8"-16 x 1"
	G10108	1	Lock Nut, 3/8"-16
8	G11215	3	Hex Socket Head Cap Screw, No. 6-32 x 3/8", Grade 8
9	GD15804	1	Mount
10	GA14600	1	Pressure Gauge Mount
15	GA8328	-	4-Pin Female Connector Kit, 4 Seals And 4 Pin Contacts
16	GA8329	-	4-Pin Connector W/Male Housing, 4 Seals And 4 Socket Contacts
17	GA12812	-	Hall Effect Adapter

(A26162)



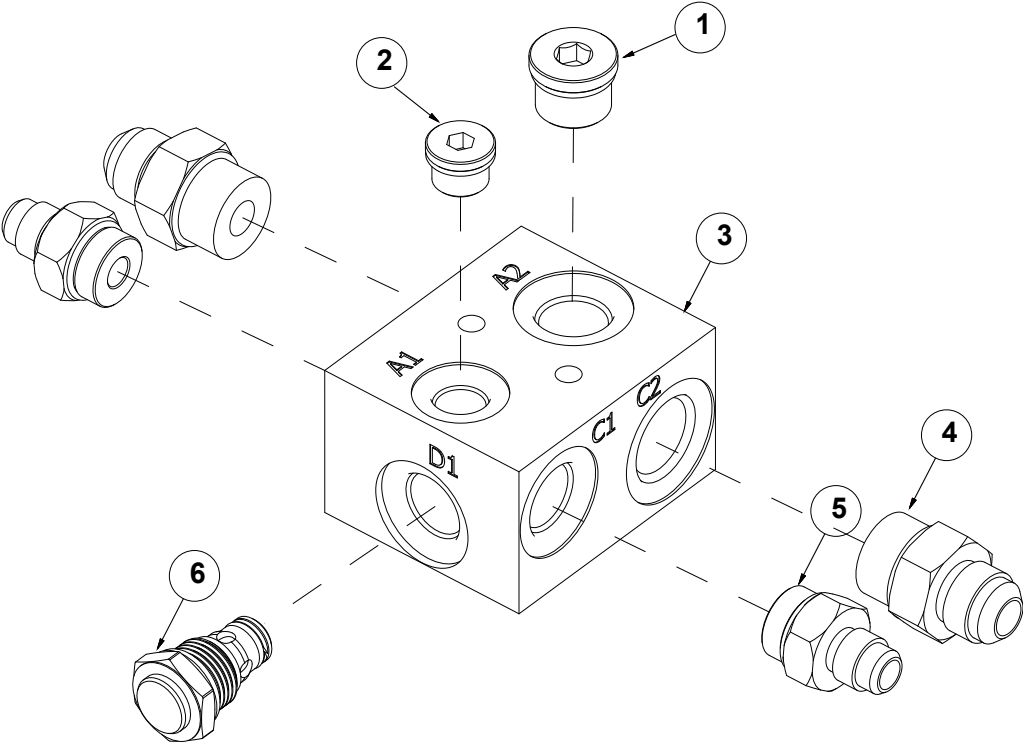
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA21510	1	Impellor
2	GA25388 GD20928	1 -	Overhung Load Adapter Bearing (Included W/GA25388)
3	GA25397 GR1734	1 -	Vacuum Fan Motor Motor Repair/Seal Kit
4	---	-	See "Hydraulic Valve Block on Vacuum Motor" on page P80
5	GD35448	1	Drive Housing
6	GD35447	1	Inlet Housing
7	GA25434	1	Steel Hydraulic Line, 3/8"
8	GA25435	1	Steel Hydraulic Line, 1/2"
9	---	-	---
10	GD21300	1	Key
11	GD25644	1	Cover Plate
12	---	-	---
13	GD30882	1	2-Bolt Mount Gasket
14	GD34103	1	Bushing
15	GD35294	1	Hose Barb, 1/8"-27 NPTF x 3/8"
16	G10227	2	Lock Washer, 1/4"
17	G10620	6	Serrated Flange Nut, 5/16"-18
18	G10943	2	Hex Head Cap Screw, 1/4"-20 x 4"
19	G11123	2	Hex Serrated Flange Cap Screw, 3/8"-16 x 3/4"
20	G11124	2	Hex Serrated Flange Cap Screw, 3/8"-16 x 1"
21	G11921	6	Hex Serrated Flange Cap Screw, 5/16"-18 x 1 1/4", Grade 5
22	G304-C-06	1	Cap Nut, 9/16"-18
23	G304-C-8	1	Cap Nut, 3/4"-16
24	G304-C-10	1	Cap Nut, 7/8"-14
25	G6801-06-04	1	Elbow, 90°, 9/16"-18 x 7/16"-20 W/O-Ring
26	G6400-06-08 GR1037	1 -	Connector W/O-Ring, 9/16"-18 Male JIC To 3/4"-16 O-Ring O-Ring
27	G6400-08 GR1037	1 -	Connector W/O-Ring, 3/4"-16 Male JIC To O-Ring O-Ring

(A26164)



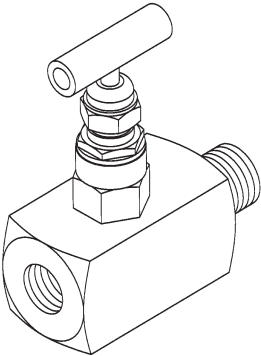
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD30571	1	Bulk Fill Fan Valve Block
2	GA20270	1	Pressure Compensator, 150 PSI
3	GA20271	1	Proportional Flow Control, 0-8 GPM
4	GA20272	1	Coil, 12VDC
5	GA21067	1	Check Valve, No. 8
6	GD29315	1	Flow Restrictor Orifice, .015" Diameter
7	GD29318	1	Plug
8	GD29321	4	Plug
9	GD35446 or GA21067	-	Inverse Relief 8-2 (Conventional) Check Valve, No. 8 (Bulk Fill)
10	G6400-06-08	1	Adapter, 9/16-18 JIC, 3/4-16 O-Ring
11	G6400-08	1	Adapter, 3/4-16 JIC, 3/4-16 O-Ring
12	G6400-08-10	1	Connector W/O-Ring, 3/4"-16 Male JIC To 7/8"-14 O-Ring
13	G6400-10	1	Connector W/O-Ring, 7/8"-14 Male JIC To O-Ring
14	G6408-H04-0	1	Hex Socket Head Plug, 7/16"-20 (Remove when PTO is used)
15	G6408-H06-O	2	O-Ring Plug, 9/16-18 Hex Soc Head
16	G6408-H08-0	1	Hex Socket Head Plug W/O-Ring, 3/4"-16

(A24507)



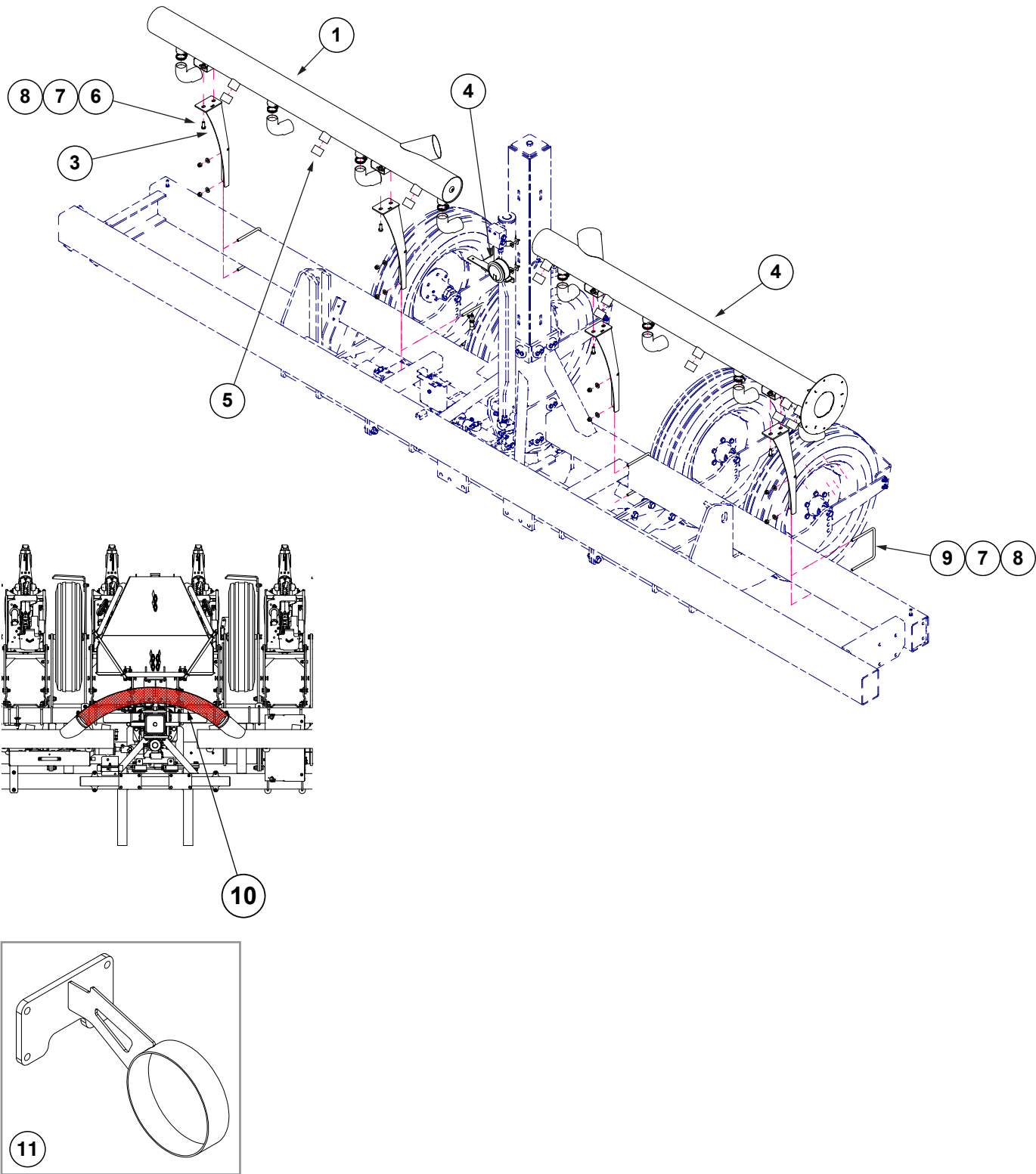
ITEM	PART NO.	QTY.	DESCRIPTION
1	G6408-H08-0	1	Hex Socket Head Plug W/O-Ring, ¾"-16
2	G6408-H06-O	1	Hex Socket Head Plug W/O-Ring, 9/16"-18 O-Ring
3	GD33511	1	Valve Block
4	G6400-08-10	2	Connector W/O-Ring, 3/4"-16 Male JIC To 7/8"-14 O-Ring
5	G6400-06-08	2	Connector W/O-Ring, 9/16"-18 Male JIC To ¾"-16 O-Ring
6	GA21067	1	Check Valve, No. 8

(A11650)



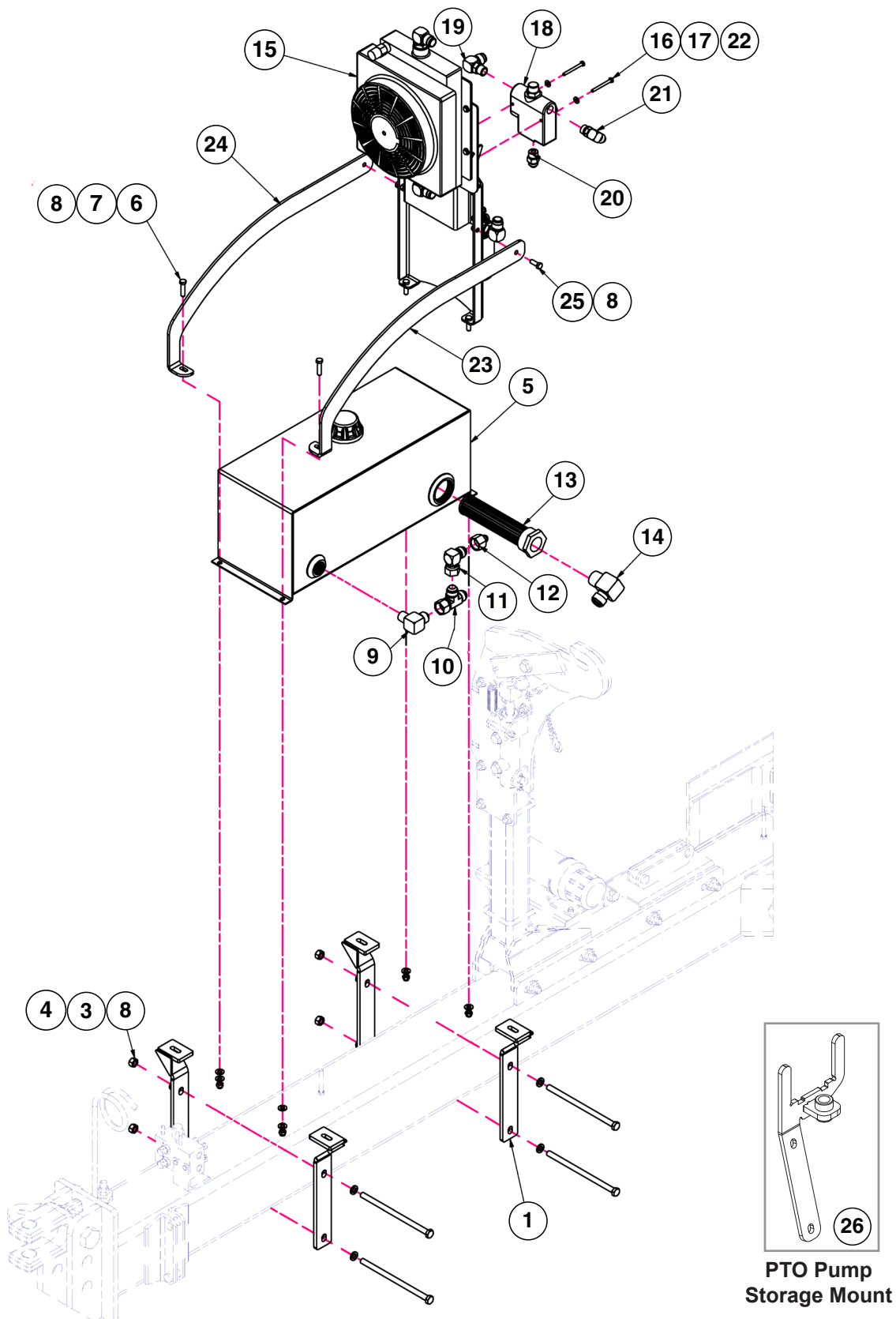
ITEM	PART NO.	QTY.	DESCRIPTION
1	G1K426	-	Needle Valve Kit W/Instructions

(A27169)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25736	1	Vacuum Manifold, R.H.
2	GA25735	1	Vacuum Manifold, L.H.
3	GA25737	4	Vacuum Manifold Mount
4	GA27174	1	See "Digital and Analog Vacuum Gauges" on page P77
5	G11147	-	Cap, 2"
6	G10037	8	Hex Head Cap Screw, 1/2"-13 X 1 1/4"
7	G10111	16	Lock Nut, 1/2"-13
8	G11389	24	Flat Washer, 1/2" Plated SAE
9	GD11721	4	U-Bolt, 5" x 7" x 1/2"-13
10	GD15867-13	1	Reinforced Hose, 5" x 64"
	G11188	1	T-Bolt Clamp, 5 1/4"
11	GA24381	1	Bracket
	GD19212	2	U-Bolt, 2 1/2" x 3/8"-16
	G11091	4	Serrated Flange Nut, 3/8"-16

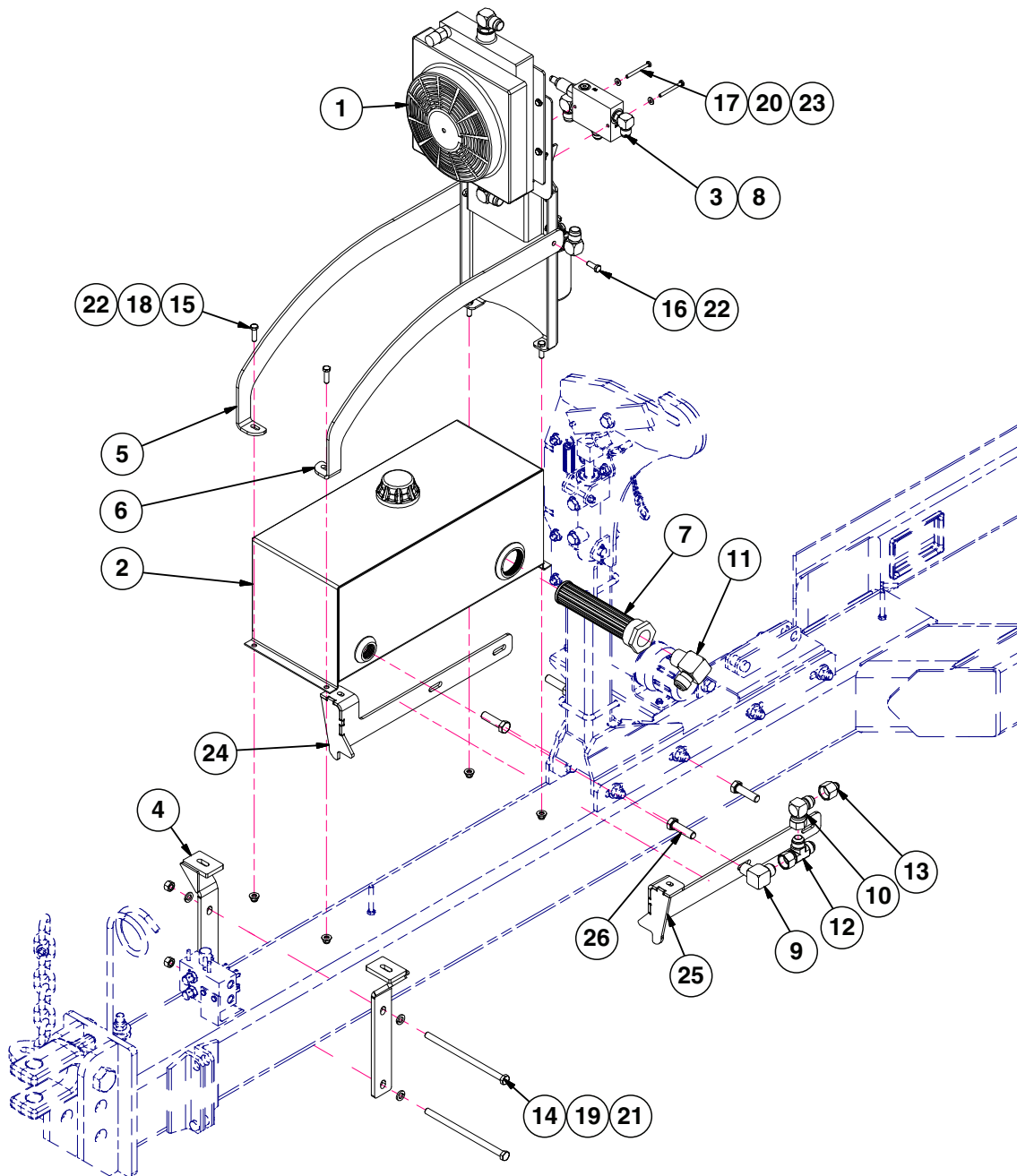
(A25745/A26135/A26136)



PTO Pump
Storage Mount

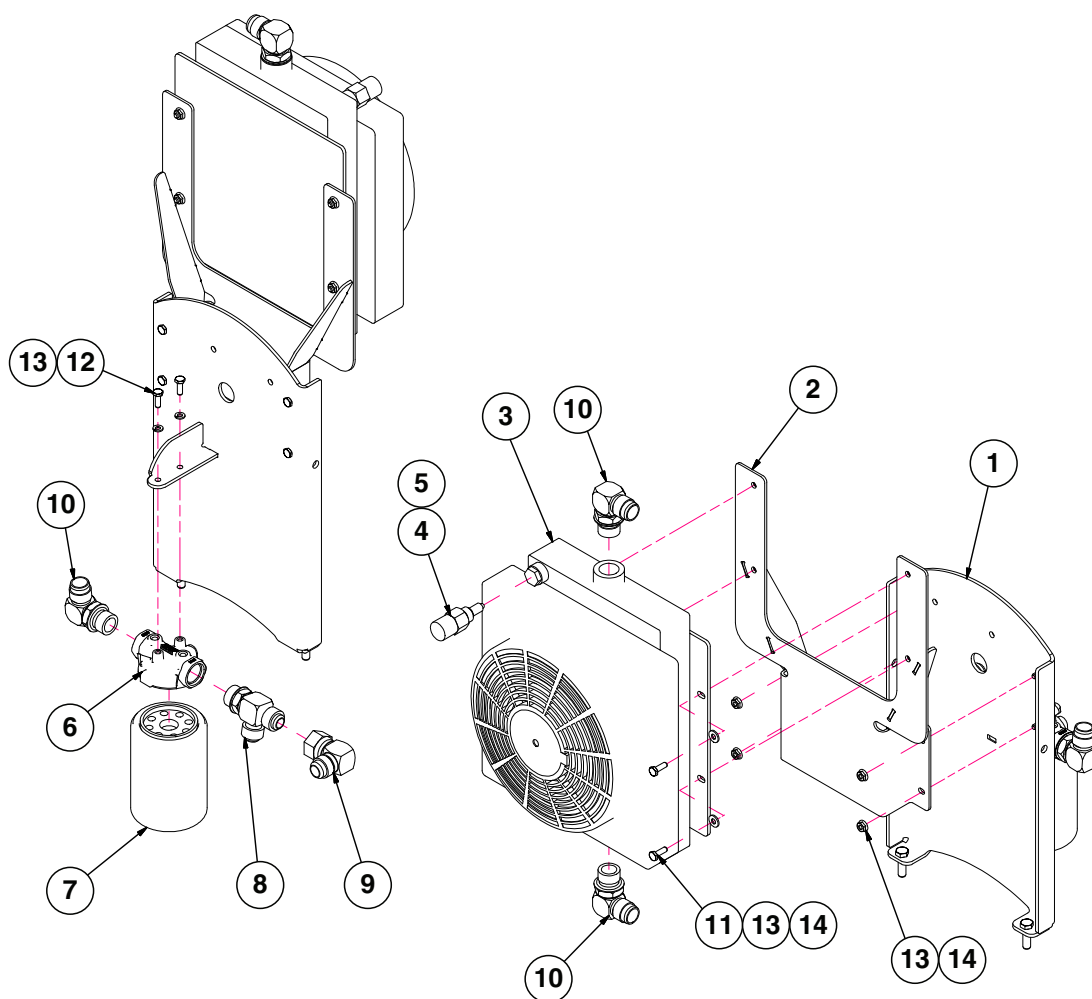
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10018501	4	Tank Mount
2	G10909	4	Hex Head Cap Screw, 1/2"-13 x 9"
3	G10228	8	Lock Washer, 1/2"
4	G10102	4	Hex Nut, 1/2"-13
5	G10200501	1	Hydraulic Tank, 10 Gal. W/Strainer
6	G10003	2	Hex Head Cap Screw, 3/8"-16 x 1 1/2"
7	G11387	6	Hardened Washer, 3/8" SAE
8	G10108	6	Lock Nut, 3/8"-16
9	G2501-12-16	1	Elbow, 90°, 1-1/16"-12 Male JIC To 1" NPT
10	G6602-12	1	Swivel Tee, 1-1/16"-12
11	G6500-12	1	Swivel Elbow, 90°, 1 1/16"-12 Male JIC To Female
12	G2406-12-08	1	Reducer Tee, 1-1/16"-12 JIC x 3/4"-16
13	GD16040	1	Tank Mounted Strainer (Included W/ G10200501)
14	G2501-16-20	1	Elbow, 90°, 1-5/16" Male JIC To 1-1/4" NPT
15	G10048501	1	See "PTO Cooler and Filter Assembly w/ Mounts" on page P88
16	G11385	4	Flat Washer, 1/4" SAE
17	G10110	2	Lock Nut, 1/4"-20, Grade B
18	GA10918	1	Flow Control Valve (Vacuum Planters Only)
19	G6801-12-10 or G6801-06-10 GR1466	1 1 -	Elbow W/O-Ring, 90°. 1-1/16"-12 Male JIC To 7/8"-14 O-Ring (Conventional Vacuum/Bulk Fill Mechanical Planters) Elbow, 9/16"-18 x 7/8"-14 W/O-Ring (Bulk Fill Vacuum Planters) O-Ring
20	G6400-10 GR1466	1 -	Adapter, 7/8-14 JIC, 7/8-14 O-Ring O-Ring
21	G6801-10 or G6801-06-10 GR1466	1 1 -	Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To O-Ring (Conventional Vacuum Planters) Elbow, 9/16"-18 x 7/8"-14 W/O-Ring (Bulk Fill Vacuum Planters) O-Ring
22	G10403	2	Hex Head Cap Screw, 1/4"-20 x 2-1/2"
23	G10048401	1	Bracket, L.H.
24	G10048301	1	Bracket, R.H.
25	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
26	G10018001 G10111 G11389 GD7145	- 2 2 1	Universal PTO Pump Storage Mount Lock Nut, 1/2"-13 (Included W/ 658-00932) Flat Washer, 1/2" Plated SAE (Included W/ 658-00932) U-Bolt, 7" x 7" x 1/2"-13 (Included W/ 658-00932)
A	G8475X	-	PTO Pump (Universal) W/ PTO Reservoir Tank

(100508)



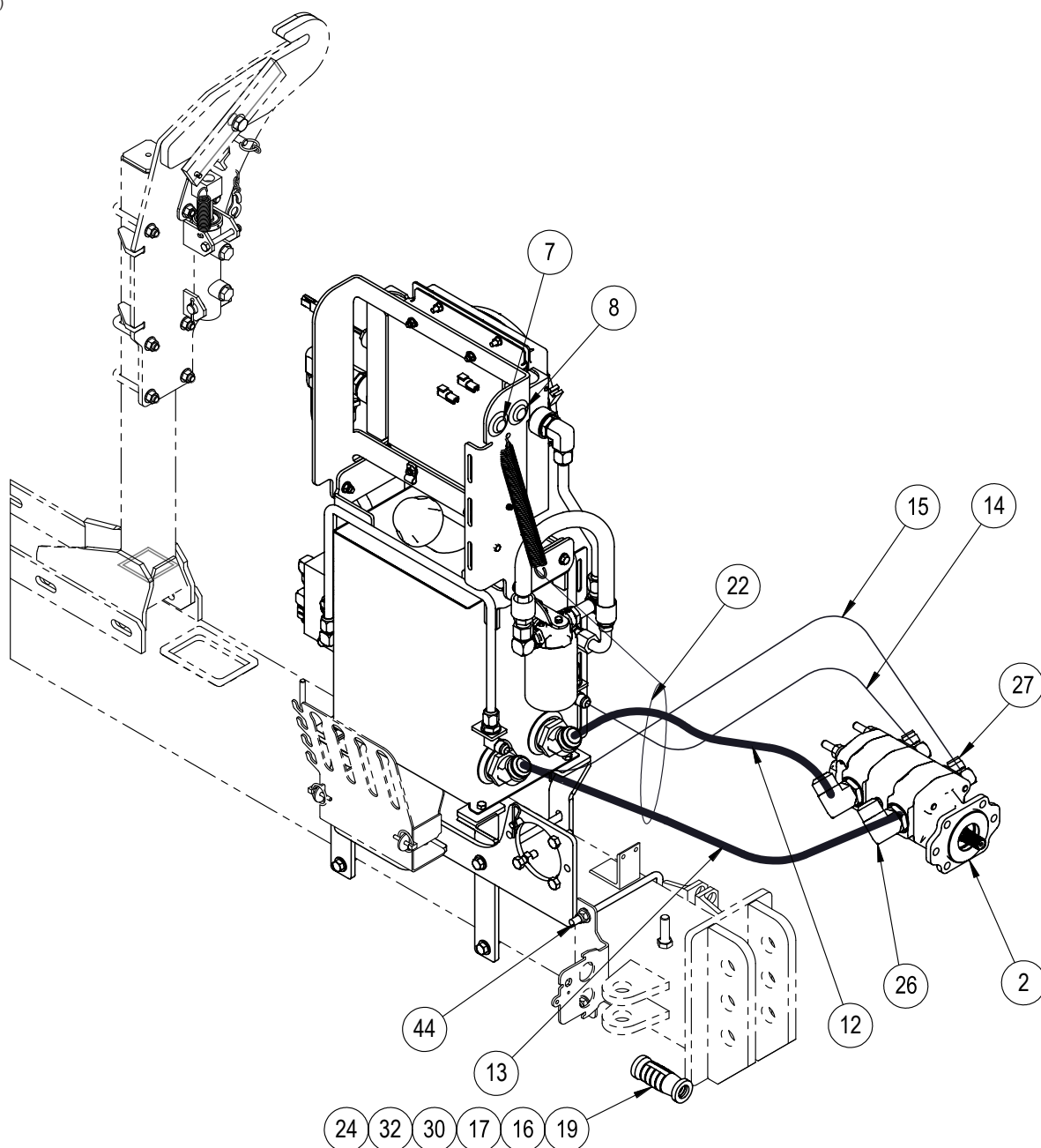
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10048501	1	See "PTO Cooler and Filter Assembly w/ Mounts" on page P88
2	G10200501	1	Hydraulic Tank, 10 Gal. W/Strainer
3	GA25606	1	See "PTO Hydraulic Block Assembly, Blue Drive" on page P177
4	G10018501	2	Tank Mount
5	G10048301	1	Bracket, R.H.
6	G10048401	1	Bracket, L.H.
7	G16040	1	Tank Mounted Strainer
8	---	-	See "Blue Drive Vacuum Planter W/ PTO Hydraulic System" on page P198
9	G2501-12-16	1	Elbow, 90°, 1 1/16"-12 Male JIC To 1" NPT
10	G6500-12	1	Swivel Elbow, 90°, 1 1/16"-12 Male JIC To Female
11	G2501-16-20	1	Elbow, 90°, 1 5/16" Male JIC To 1 1/4" NPT
12	G6602-12	1	Swivel Tee, 1-1/16"-12
13	G2406-12-08	1	Reducer Tee, 1-1/16"-12 JIC x 3/4"-16
14	G10909	2	Hex Head Cap Screw, 1/2"-13 x 9"
15	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
16	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
17	G10403	2	Hex Head Cap Screw, 1/4"-20 x 2 1/2"
18	G11387	4	Hardened Washer, 3/8" SAE
19	G10228	4	Lock Washer, 1/2"
20	G11385	4	Flat Washer, 1/4" SAE
21	G10102	2	Hex Nut, 1/2"-13
22	G10108	6	Lock Nut, 3/8"-16
23	G10110	2	Lock Nut, 1/4"-20, Grade B
24	G10300601	1	PTO Tank Holder, L.H.
25	G10300501	1	PTO Tank Holder, R.H.
26	G10006	4	Hex Head Cap Screw, 5/8"-11 x 2 1/4"
A	G8475X	-	PTO Pump (Universal) W/ PTO Reservoir Tank

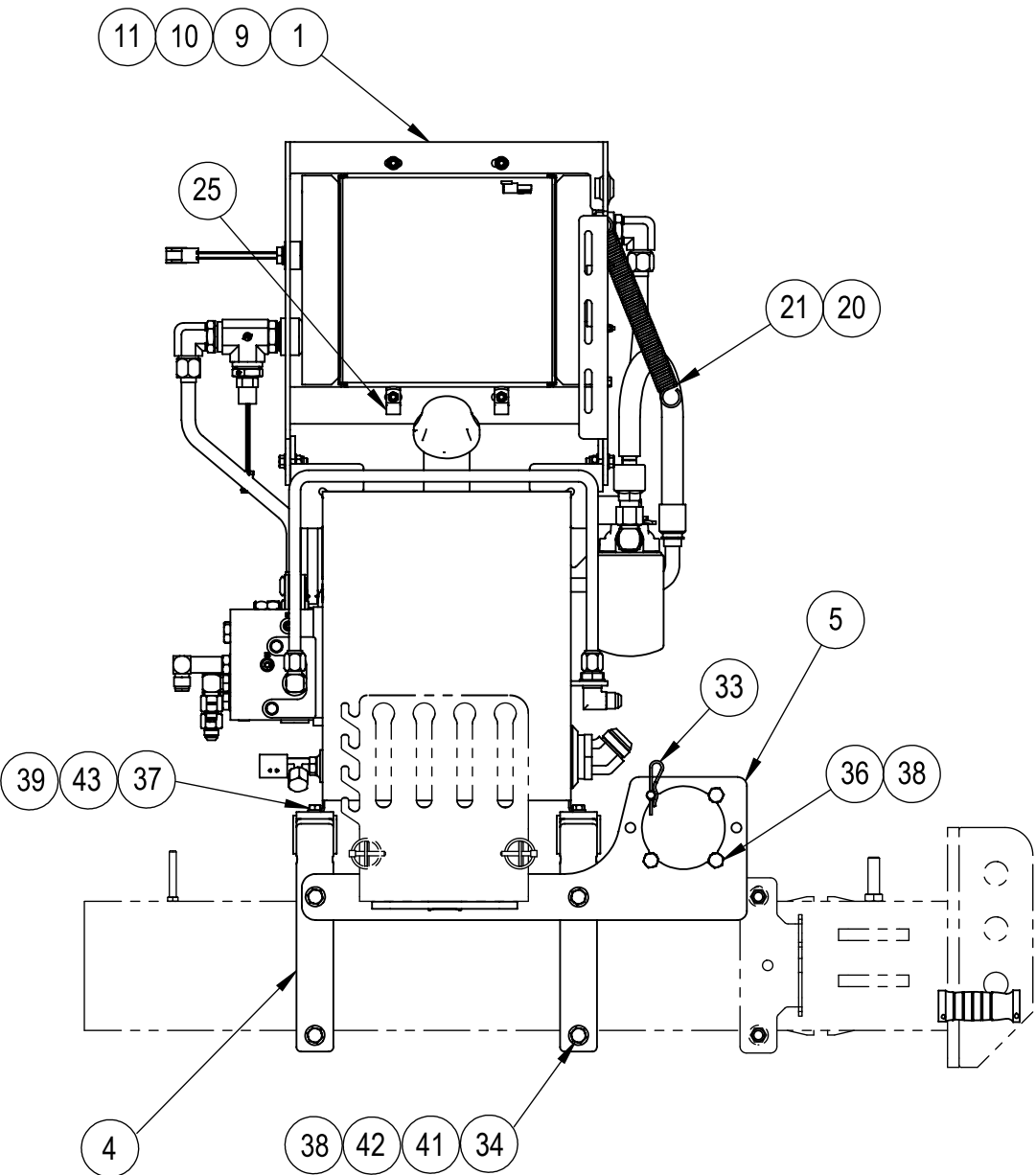
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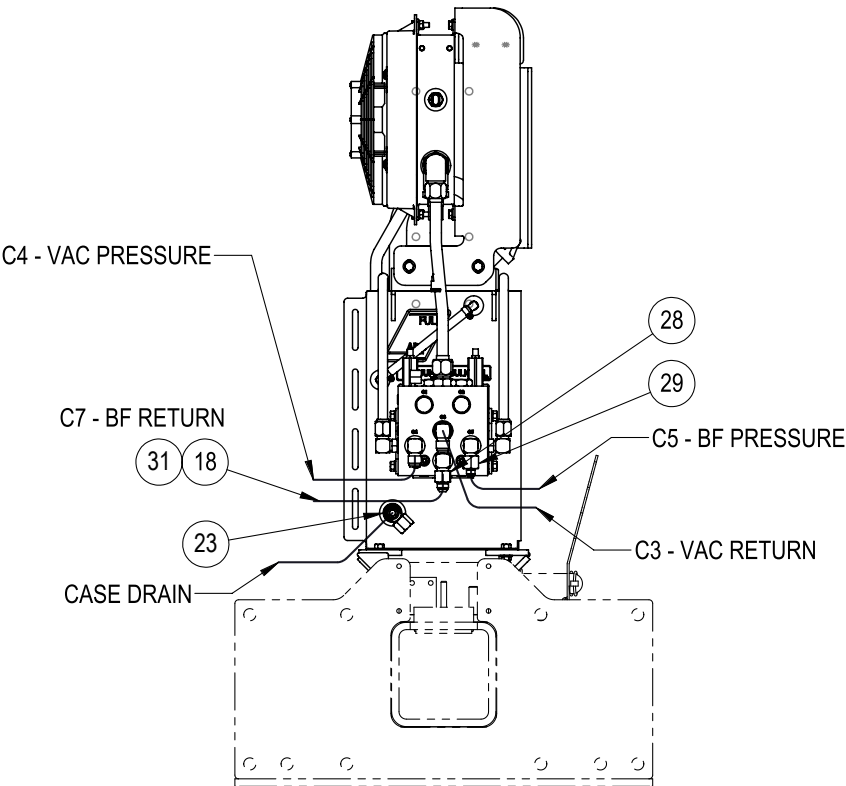
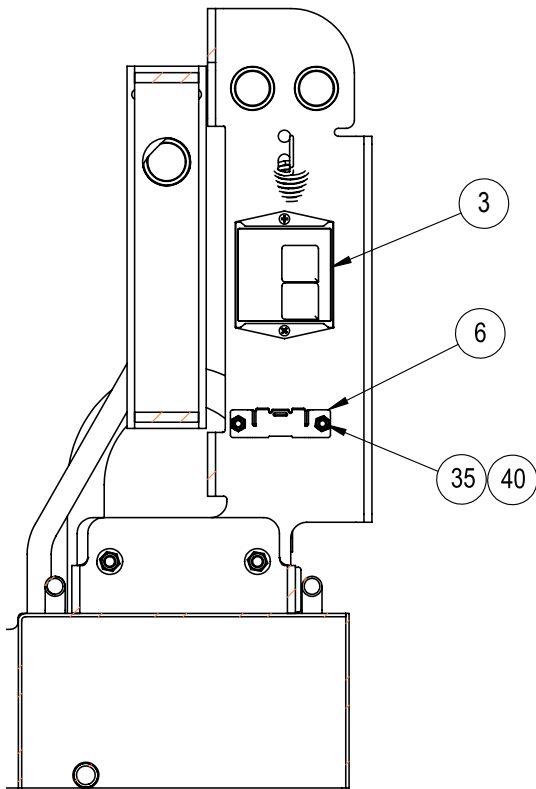


ITEM	PART NO.	QTY.	DESCRIPTION
1	G10048201	1	Mounting Bracket
2	G10047801	1	Fan Mount
3	GA17113	1	Fan and Cooler
4	G10087001	1	Tempature Sensor
5	GA20283	1	PTO Reservoir Fan Wire Harness
6	GD16038	1	Filter Head
7	GD16037	1	Oil Filter, 10 Micron
8	G6804-12	1	Adjustable Tee W/O-Ring, 1 1/16"-12 Male JIC To O-Ring
9	G6500-12	1	Swivel Elbow, 90°, 1 1/16"-12 Male JIC To Female
10	G6801-12	3	Elbow W/O-Ring, 90°, 1 1/16"-12 Male JIC To O-Ring
11	G11385	4	Flat Washer, 1/4" SAE
12	G10227	2	Lock Washer, 1/4"
13	G10023	10	Hex Head Cap Screw, 1/4"-20 x 3/4"
14	G10621	8	Serrated Flange Nut, 1/4"-20

(106144)



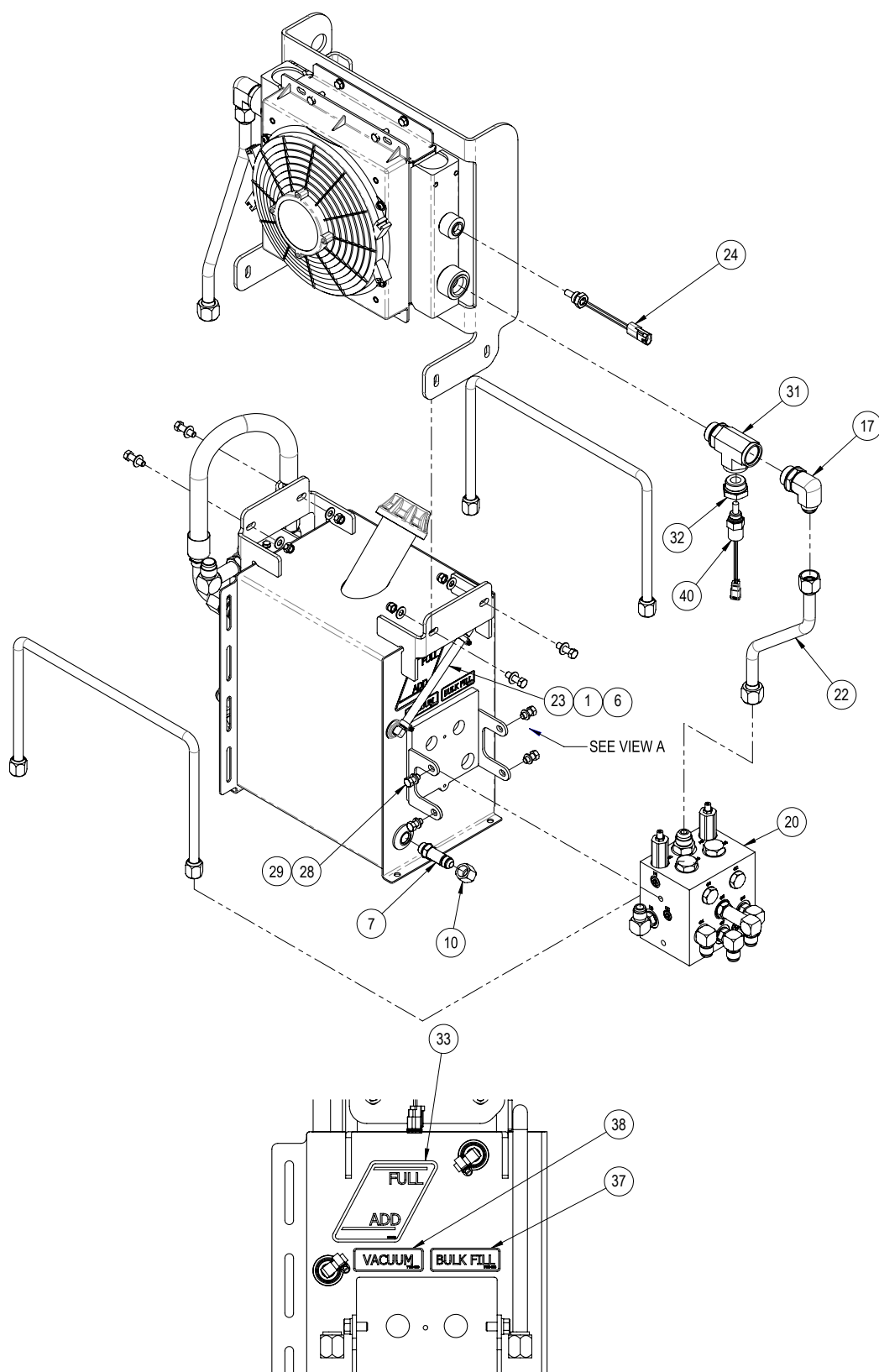




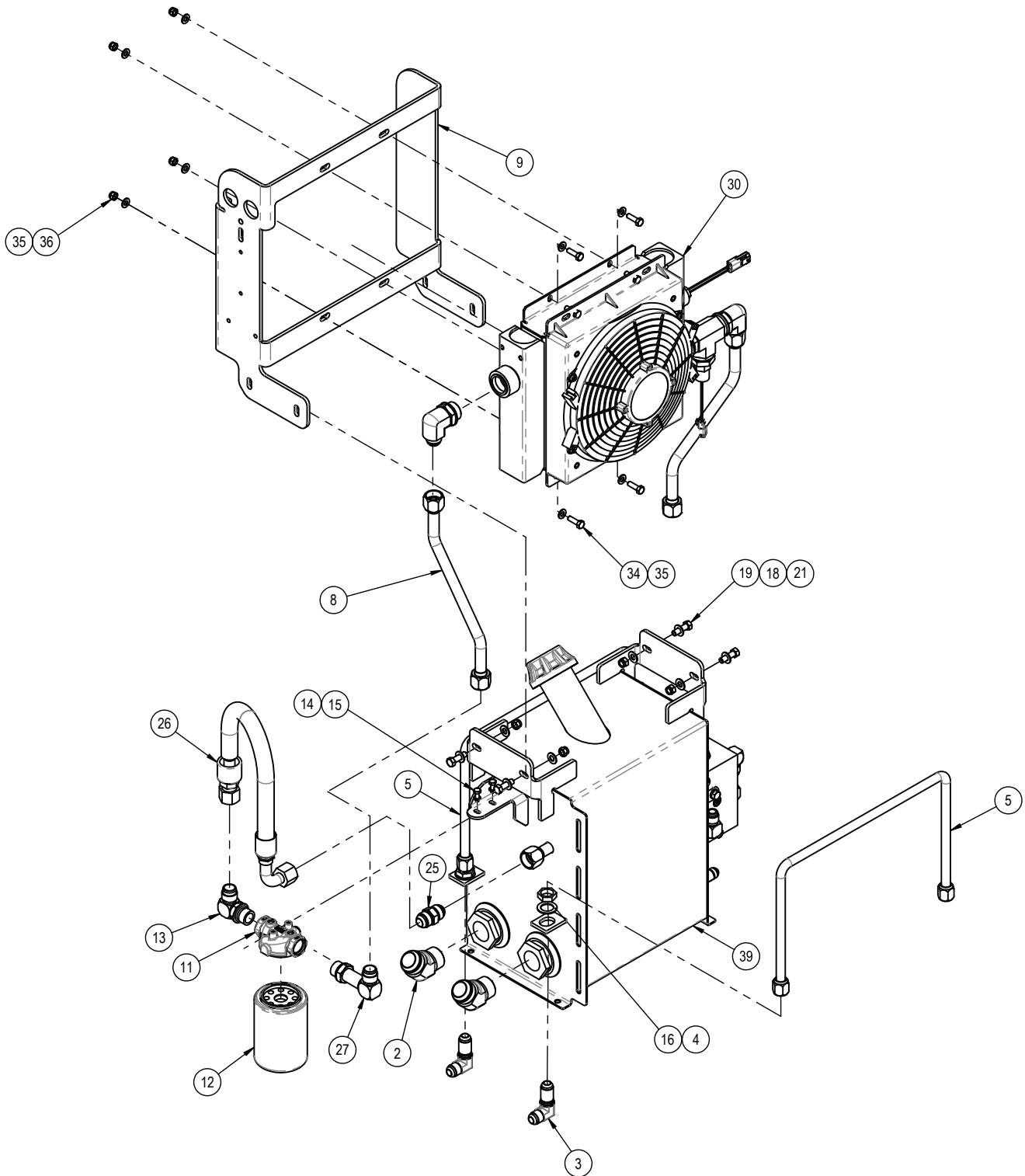
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10333701	1	See "PTO Reservoir" on page P93
2	G10288701	1	Gear Pump
3	G10396901	1	Reverser Module
4	G10018501	4	Tank Mount
5	G10614501	1	PTO Pump Mount
6	G10567801	1	Relay Module Mount Bracket
7	G10098401	1	PTO Red Light Harness
8	G10098301	1	PTO Green Light Harness
9	G10049501	1	Tractor Battery Connection Harness and Fuse Kit
10	G10724901	1	Tractor Power Harness
11	G10649801	1	PTO Harness
12	*A11810-68	1	Hose Assembly, 1" x 68 (20F - 20F)
13	*A11810-72	1	Hose Assembly, 1" x 72" (20F - 20F)
14	*A25707-68	1	Hose Assembly, 1/2" AR x 68" (10F45 - 12F)
15	*A25707-72	1	Hose Assembly, 1/2" AR x 72" (10F45 - 12F)
16	*A15082-77	1	Hose Assembly, 3/8" x 77" (06F - 06M JIC)
17	*A26938-266	1	Hose Assembly, 3/8" x 266"
18	*A25704-242	1	Hose Assembly, 1/2" AR x 242" (08F - 08M JIC)
19	GA26924-11	1	Hose Label Cover, Orange, Retract
20	GA14152	1	Hose Strap
21	GD0829	1	Spring
22	GD19383-03	1	Hose Wrap, 60"
23	GD10057-19	1	Shrink Tube Label
24	GD25522	1	Hydraulic Tip Cover
25	GD6291	2	Insulated Clamp, 3/8"
26	G6801-20	2	Elbow W/O-Ring, 90°, 1 5/8"-12 Male JIC To O-Ring
27	G6801-12	2	Elbow W/O-Ring, 90°, 1 1/16"-12 Male JIC To O-Ring
28	G2406-10-08	1	Tube Reducer
29	G2406-10-06	1	Tube Reducer
30	G2403-06	1	Union
31	G304-C-8	1	Cap Nut, 3/4"-16
32	G304-C-06	1	Cap Nut, 9/16"-18
33	G10592	1	Hair Pin Clip, No. 11
34	G10909	4	Hex Head Cap Screw, 1/2"-13 x 9"
35	G10023	2	Hex Head Cap Screw, 1/4"-20 x 3/4"
36	G10017	3	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
37	G10001	4	Hex Head Cap Screw, 3/8"-16 x 1"
38	G10102	7	Hex Nut, 1/2"-13
39	G10108	4	Lock Nut, 3/8" -16
40	G10110	2	Lock Nut, 1/4"-20, Grade B
41	G11389	4	Flat Washer, 1/2" SAE
42	G10228	4	Lock Washer, 1/2"
43	G11387	4	Hardened Washer, 3/8" SAE
44	GD7145	1	U-Bolt, 7" x 7" x 1/2"-13

***Hydraulic hose is not stocked by Kinze Repair Parts.**

(103337)



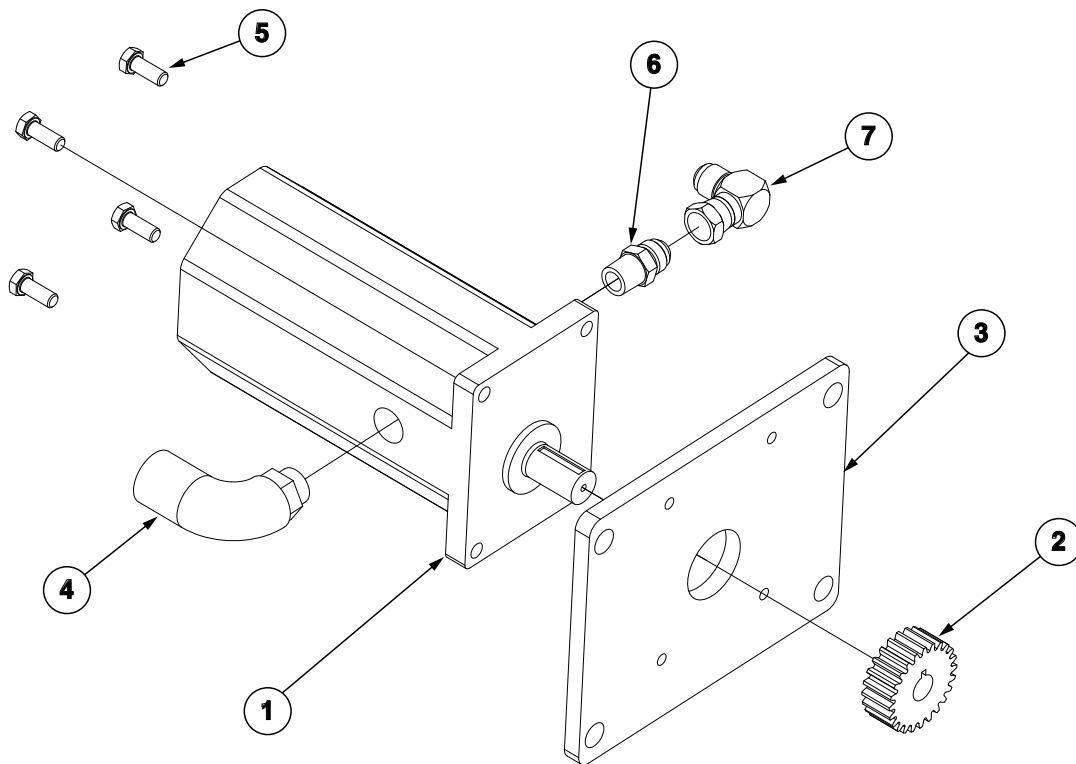
VIEW A



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10331001	2	Hose Clamp #4, 5/8"-1/4" x 5/16"
2	G2503-20	2	Elbow, 45°, 1-5/8"-12 Male JIC x 1-1/4" Male NPT
3	G2701-10	2	Elbow, 90°, 7/8"-14 Male JIC
4	G306-10	2	Lock Nut, 7/8"-14
5	G10333501	2	Steel Hydraulic Line, 5/8"
6	GD35381	2	3/8" O.D. Brass Barbed x 1/4" NPT 90° Elbow
7	G6804-08	1	Adjustable Tee, 3/4"-16 Male JIC To O-Ring
8	G10399801	1	Steel Hydraulic Line, 3/4"
9	G10333601	1	Cooler Mount Bracket
10	G304-C-8	1	Cap Nut, 3/4"-16
11	GD16038	1	Filter Head
12	GD16037	1	Oil Filter, 10 Micron
13	G6801-12	1	Elbow W/O-Ring, 90°, 1 1/16"-12 Male JIC To O-Ring
14	G10227	2	Lock Washer, 1/4"
15	G10023	2	Hex Head Cap Screw, 1/4"-20 x 3/4"
16	G10235	2	Machine Bushing, 7/8", 14 Gauge
17	G6801-12-16	2	Adjustable Elbow, 90°, 1-5/16"-12 O-Ring
18	G11387	8	Flat Washer, 3/8" SAE
19	G10004	4	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
20	G10186901	1	Manifold Block
21	G10108	4	Lock Nut, 3/8"-16
22	G10399901	1	Steel Hydraulic Line, 3/4"
23	GD6279-07	1	Clear Plastic Tubing, 3/8" x 7-1/4"
24	G10087001	1	Temperature Sensor, 100°
25	G2403-12	1	Union, 1 1/16"-12 Male JIC
26	A12937-24	1	Hose Assembly, 3/4" x 24" (12F - 12F90S)
27	G6801-LL-12	1	Adjustable Elbow, 1-1/16"-12 x 1-1/16"-12 O-Ring
28	G10002	4	Hex Head Cap Screw, 3/8"-16 x 3/4"
29	G10229	4	Lock Washer, 3/8"
30	G10339301	1	Oil Cooler and Fan
31	G6835-16-16-16	1	Tee, 1-5/16" O-Ring
32	G6410-16-08	1	Adapter, 1-5/16"-12 O-Ring x 3/4"-16
33	G10080601	1	Tank Level Decal
34	G10019	4	Hex Head Cap Screw, 5/16"-18 x 1"
35	G11386	8	Flat Washer, 5/16" SAE
36	G10109	4	Lock Nut, 5/16"-18, Grade 8
37	G7100-508	1	Bulk Fill Decal
38	G7100-509	1	Vacuum Decal
39	G10333801	1	PTO Reservoir
40	G10098201	1	Temperature Sensor, 200°

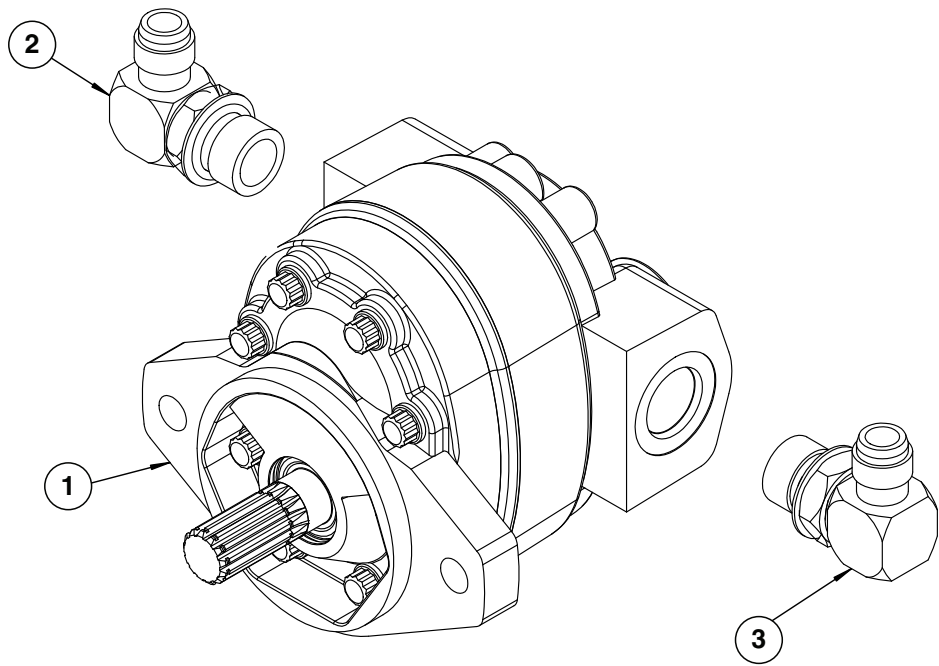
*** Hydraulic hose is not stocked by Kinze Repair Parts.**

(A22223)



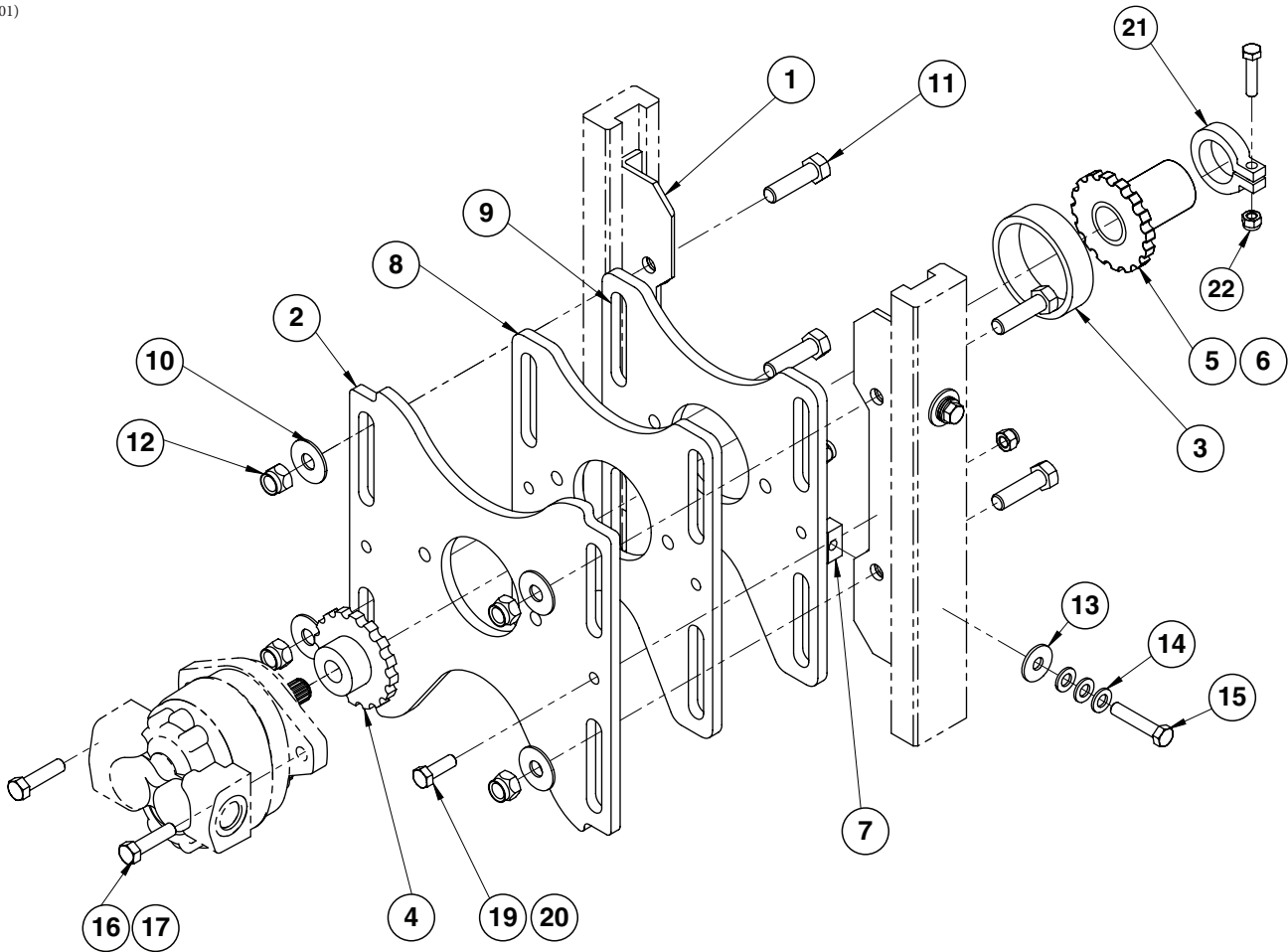
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA21190	1	PTO Gear Pump, 56 CM3/REV
2	GD31435	1	PTO Gear Adapter
3	GD31436	1	PTO Mount Plate
4	GD31438	1	90° Elbow, 1" BSP x 1½"
5	G12000-25	4	Hex Head Cap Screw, M10-1,5 x 25
6	G3800-10-12	1	Adapter, 3/4-14 BSP x 7/8-14 JIC
7	G6500-10	1	Swivel Elbow, 90°, 7/8"-14 Male JIC To Female

(19010-021-01000)



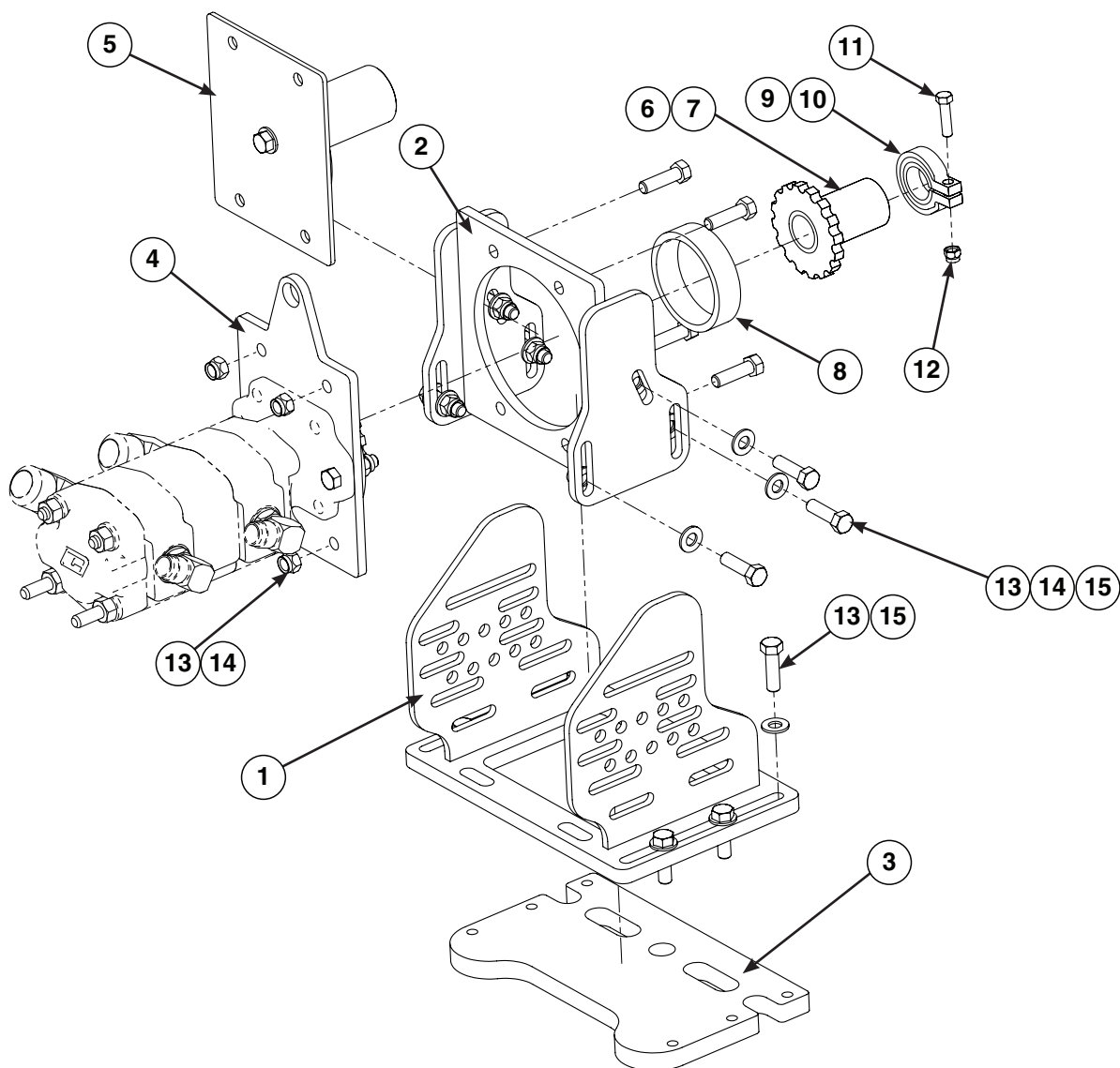
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA14446	1	PTO Pump
2	G6801-10-12	1	Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To 1 1/16"-12 O-Ring
3	G6801-16-20	1	Elbow W/O-Ring, 90°, 1-5/16"-12 Male JIC To 1-5/8"-12 O-Ring

(10987501)



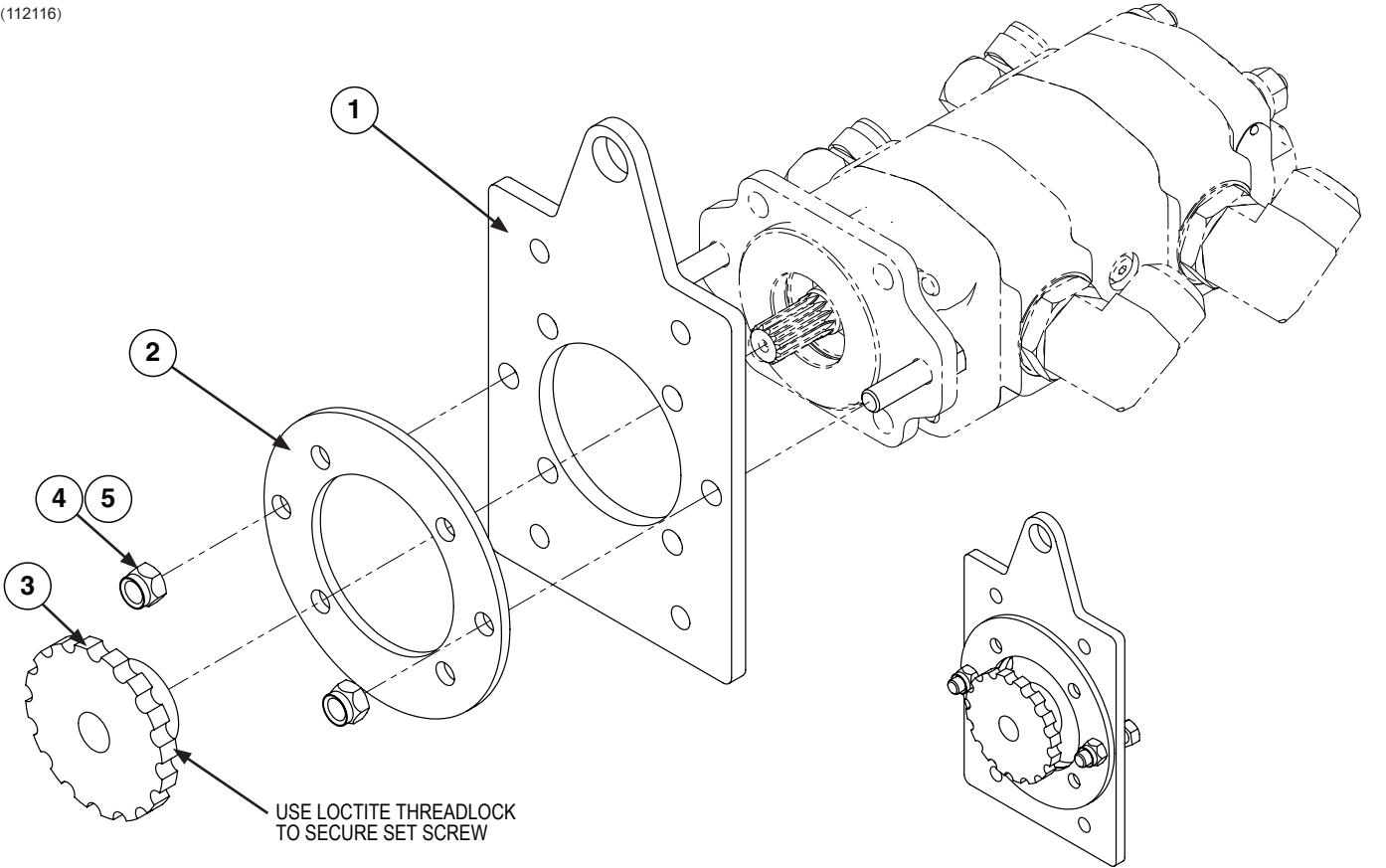
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10985501	2	Rail Mount
2	G10985301	1	Pump Mount Plate, 39 cm
3	G10984801	1	Chain with Link
4	G10984701	1	Sprocket, 16 Tooth
5	G10985001	1	Long Sprocket, 16 Tooth, 1-3/4" x 20 Spline
6	G10984901	1	Long Sprocket, 16 Tooth, 1-3/8" x 21 Spline
7	G10985401	4	Rail Mount Nut
8	G10985101	1	Pump Mount Plate, 31 cm
9	G10985201	1	Pump Moun Plate, 33 cm
10	G10217	8	Washer, 5/8" USS
11	G10006	4	Hex Head Cap Screw, 5/8"-11 x 2 1/4"
12	G10107	4	Lock Nut, 5/8"-11
13	G10984201	4	Flat Washer, DIN 9021
14	G12039	12	Flat Washer, M12
15	G12002-60	4	Hex Head Cap Screw, M12-1,75 x 60
16	G10016	2	Hex Head Cap Screw, 1/2"-13 x 2"
17	G10111	2	Lock Nut, 1/2"-13
18	G10984101	1	LM 47 Long-Life Grease
19	G12015	2	Hex Lock Nut, M12-1,75
20	G12002-35	2	Hex Head Cap Screw, M12-1,75 x 35
21	G11114501	1	Collar, 1-3/8" (used with G10984901)
	G11114601	1	Collar, 1-3/4" (used with G10985001)
22	G12000-40	1	Hex Head Cap Screw, M10-1,5 x 40
	G12164	1	Hex Lock Nut, M10-1.5

(112120)



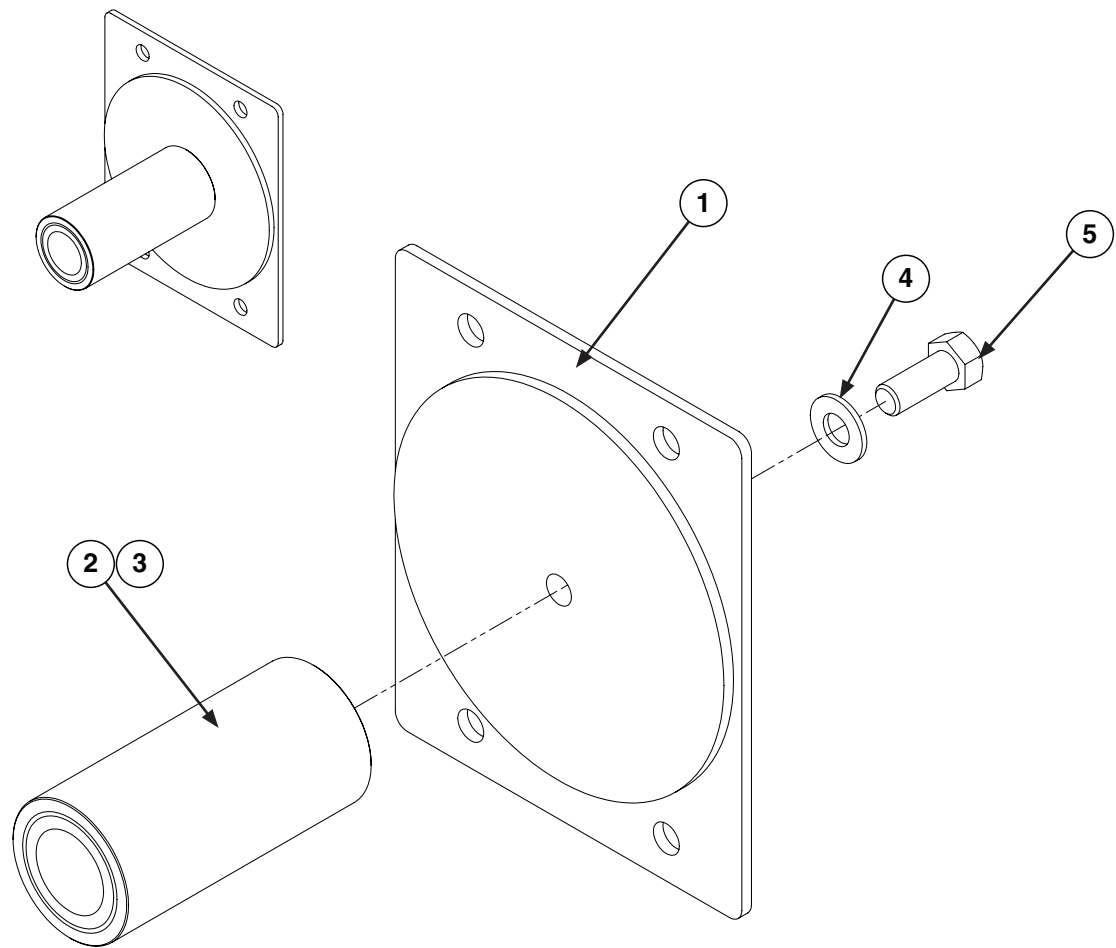
ITEM	PART NO.	QTY.	DESCRIPTION
1	G11211901	1	Tractor Mount
2	G11211801	1	Adapter Mount
3	G11211701	1	Plate
4	G11211601	1	See "Pump with Mount Adapter" on page P100
5	G11211501	1	See "Guide Tool" on page P101
6	G10984901	1	Long Sprocket, 16 Tooth, 1-3/8" x 21 Spline
7	G10985001	1	Long Sprocket, 16 Tooth, 1-3/4" x 20 Spline
8	G10984801	1	Chain with Link
9	G11114501	1	Collar, 1-3/8" (Used with G10984901)
10	G11114601	1	Collar, 1-3/4" (Used with G10985001)
11	G10003	1	Hex Head Cap Screw, 3/8"-16 x 1 1/2"
12	G10901	1	Lock Nut W/Nylon Insert, 3/8"-16
13	G10039	16	Hex Head Cap Screw, 1/2"-13 x 1 3/4"
14	G10111	10	Lock Nut, 1/2"-13
15	G11389	18	Flat Washer, 1/2" Plated SAE

(112116)

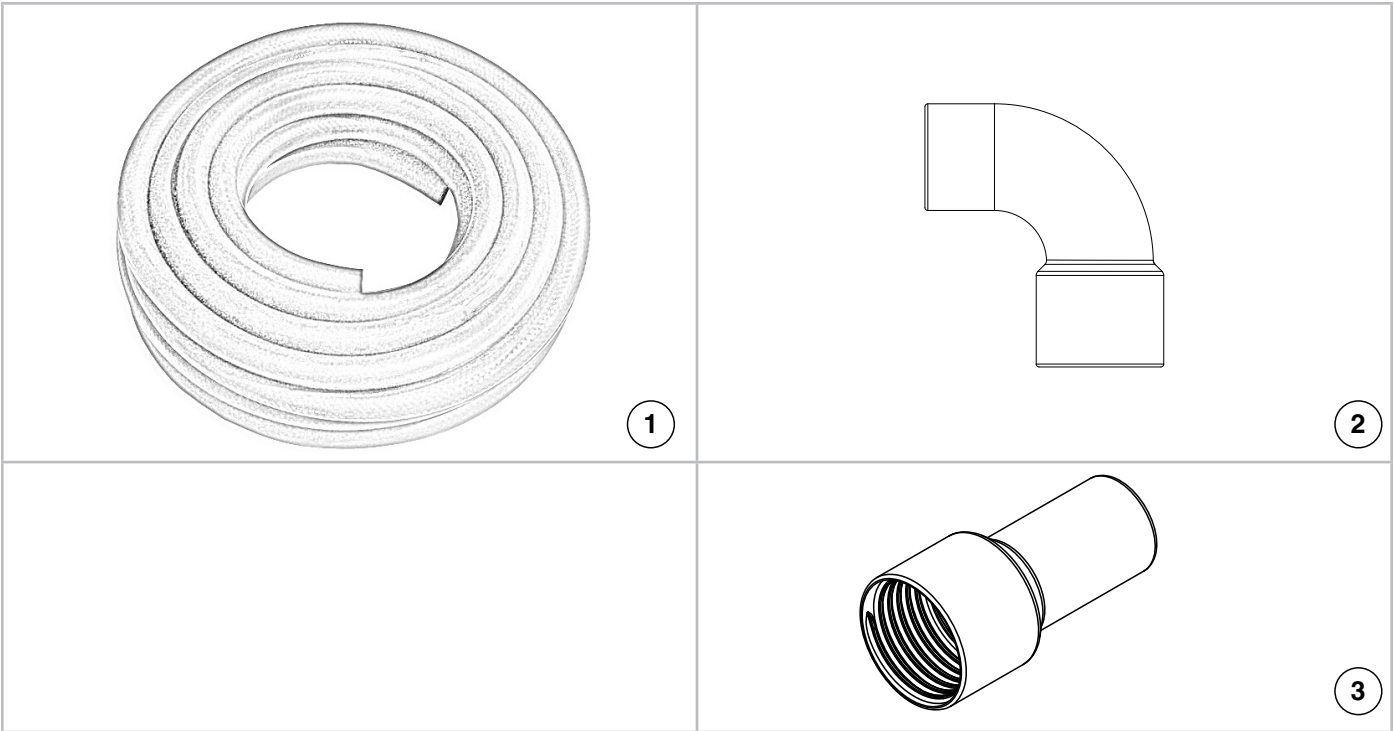


ITEM	PART NO.	QTY.	DESCRIPTION
1	G11212501	1	Pump Plate (Gear)
2	G11212601	1	Plate, 6.75 Ring
3	G10984701	1	Sprocket, 16 Tooth
4	G10016	2	Hex Head Cap Screw, 1/2" - 13 x 2"
5	G10111	2	Lock Nut, 1/2" - 13

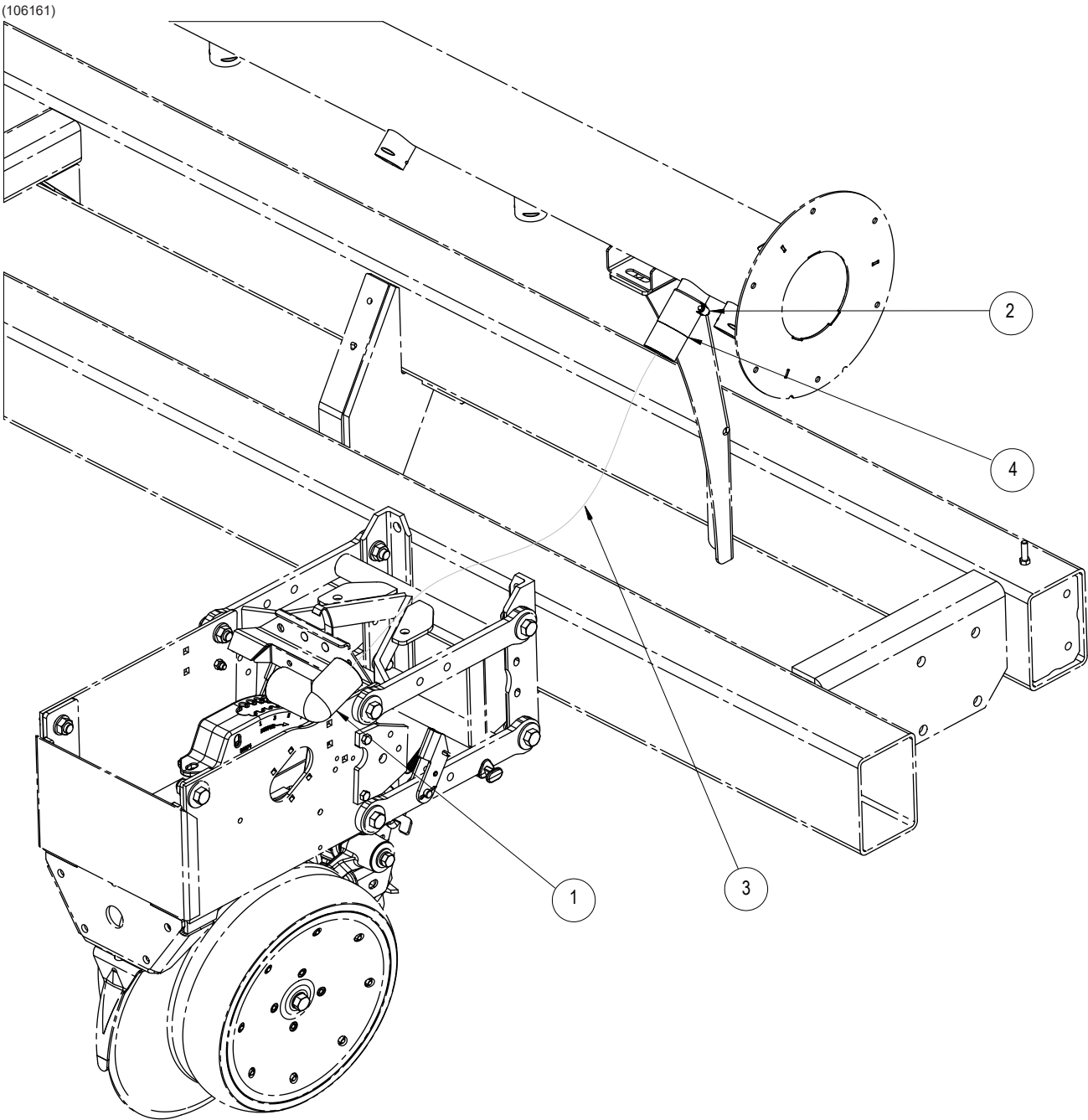
(112115)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G11212701	1	Guide Tool Base Plate (Gear)
2	G11212801	1	Aligment Tube, 1-3/4 (Use for 1-3/4-20 Spline PTO Shaft)
3	G11212901	1	Aligment Tube, 1-3/8 (Use for 1-3/8-21 Spline PTO Shaft)
4	G11389	1	Flat Washer, 1/2" Plated SAE
5	G10037	1	Hex Head Cap Screw, 1/2"-13 X 1 1/4"

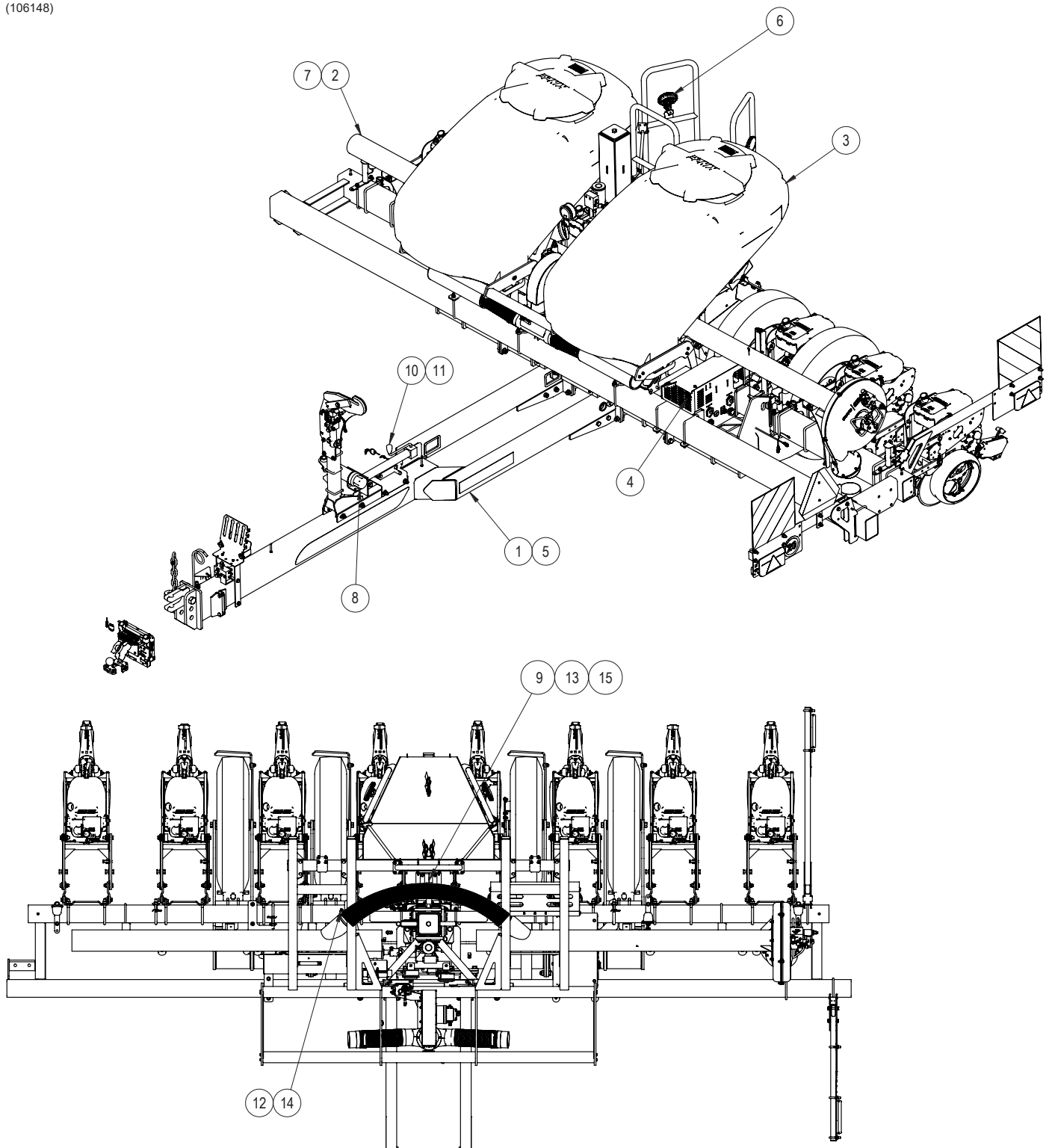


ITEM	PART NO.	QTY.	DESCRIPTION
1	GD15792-13	-	Vacuum Hose, 2" x 50'
2	GD14626	-	90° Elbow, 2" Hose
3	GB0827	-	Reducer, 2" to 1-3/4"
4	G10676	-	Hose Clamp, No. 36, Stainless Steel



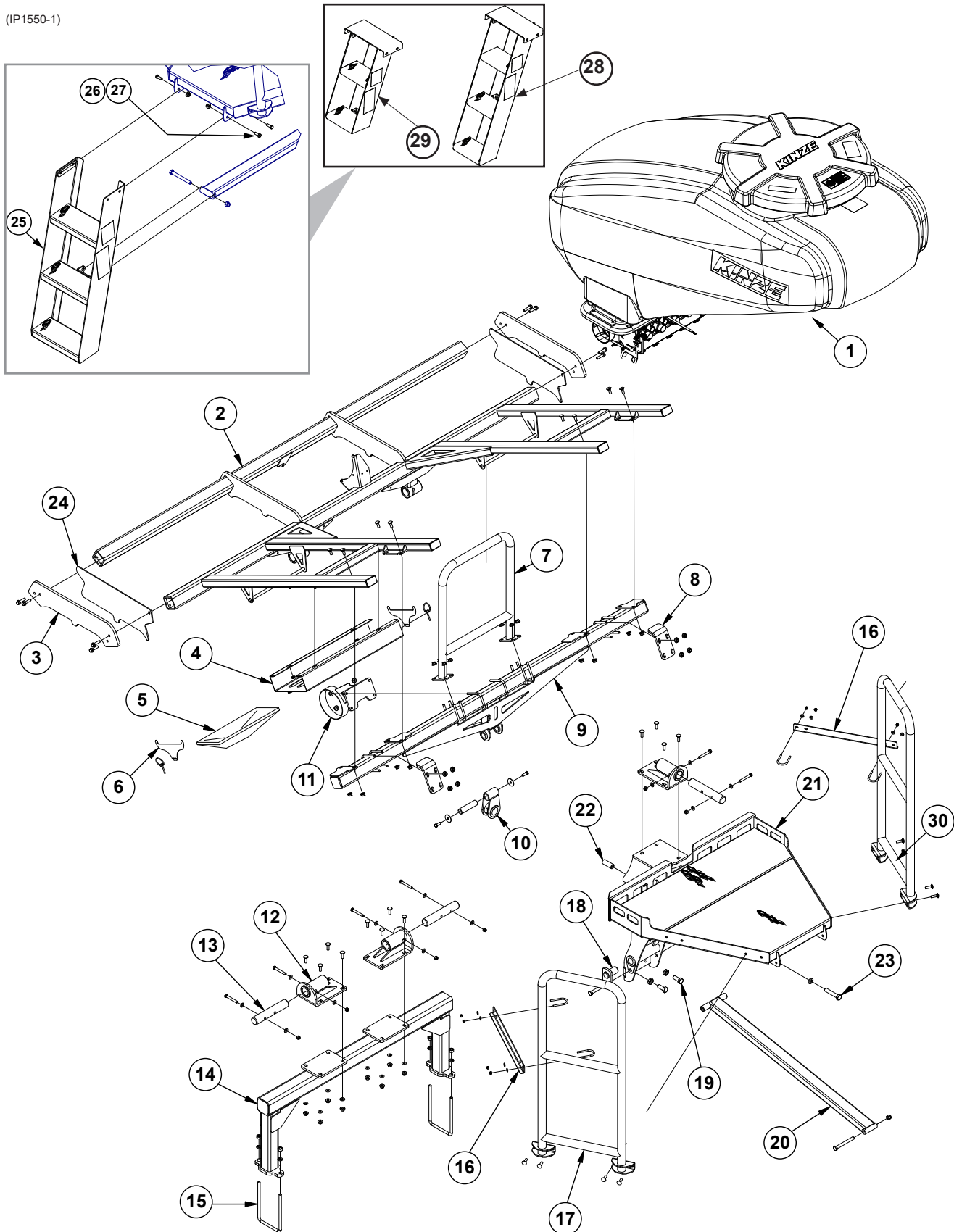
ITEM	PART NO.	QTY.	DESCRIPTION
1	GB1313	-	Elbow, 90°, 1.5"
	GB1249	-	Vacuum Hose End (True Speed)
2	G10676	-	Hose Clamp, No. 36, Stainless Steel
3	GD36495-40	-	Vacuum Hose, 1-1/2" I.D. x 40"
4	GD31424	-	Screw Cuff, 2"

(106148)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10615901	-	Y-Hitch Base Frame
	G10615902	-	T-Hitch Base Frame
2	GA27169	1	Blue Drive Blue Vantage Vacuum System Assembly
3	GA27170	1	Blue Drive Blue Vantage Bulk Fill Assembly
4	G10614901	1	True Speed Control Package
5	GA27176	1	Hydraulic Hoses Assembly
6	G10047601	1	Work Lights
7	G10616002	1	Vacuum Hose Bundle
8	GA25890	1	Operator's Manual Canister
9	GA24381	1	Bracket Weld
10	G11044501	1	Jack Assembly Complete
11	GA4995	1	Detent Pin Assembly
12	GD15867-13	1	Reinforced Hose, 5" x 64"
13	GD19212	2	U-Bolt, 2 ½" x 3/8"-16
14	G11188	2	T-Bolt Clamp, 5 1/4"
15	G11091	4	Serrated Flange Nut, 3/8"-16

(IP1550-1)



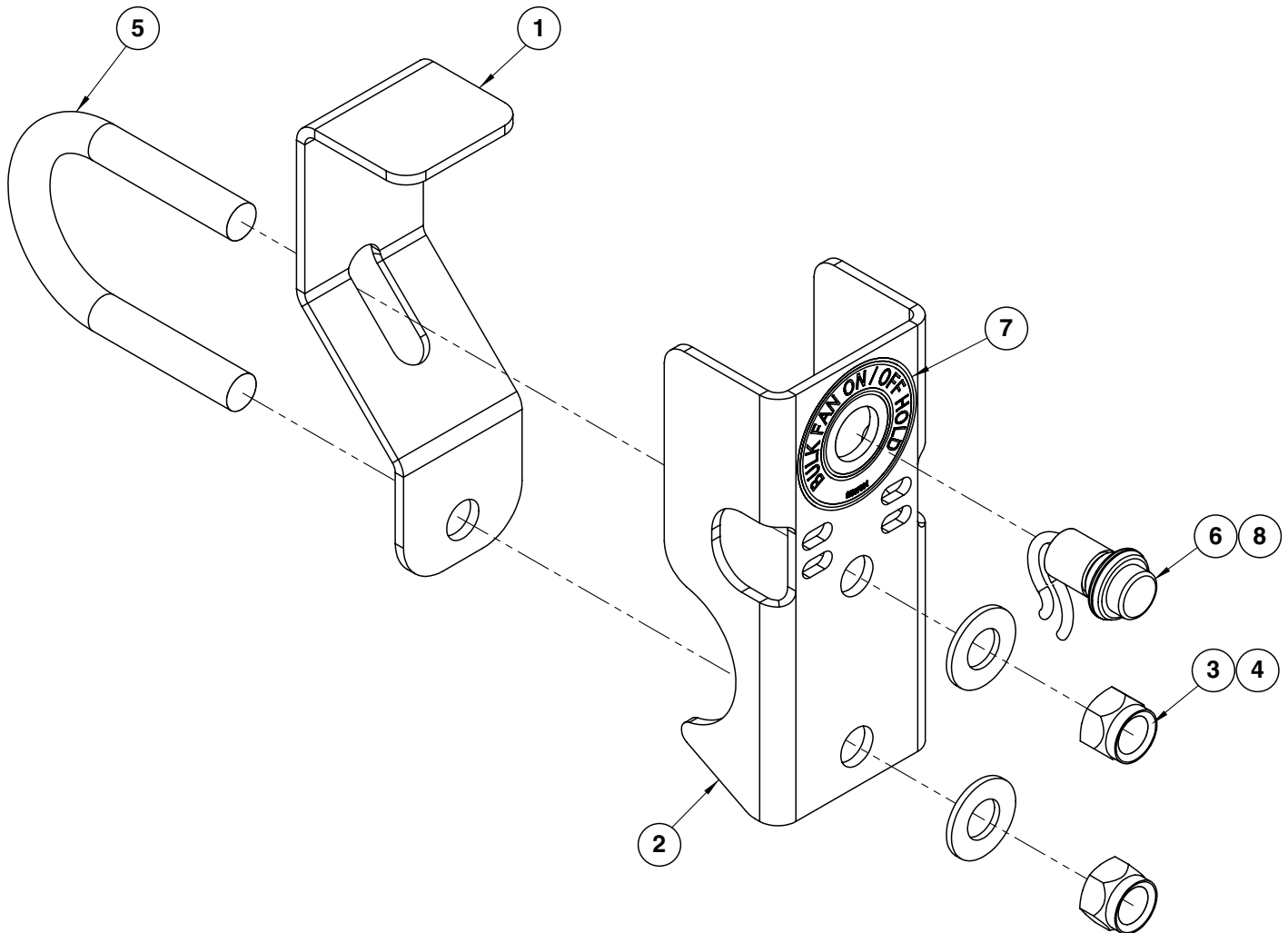
Bulk Fill Fan Mounts and Catwalk

M0311-02

Model 3505

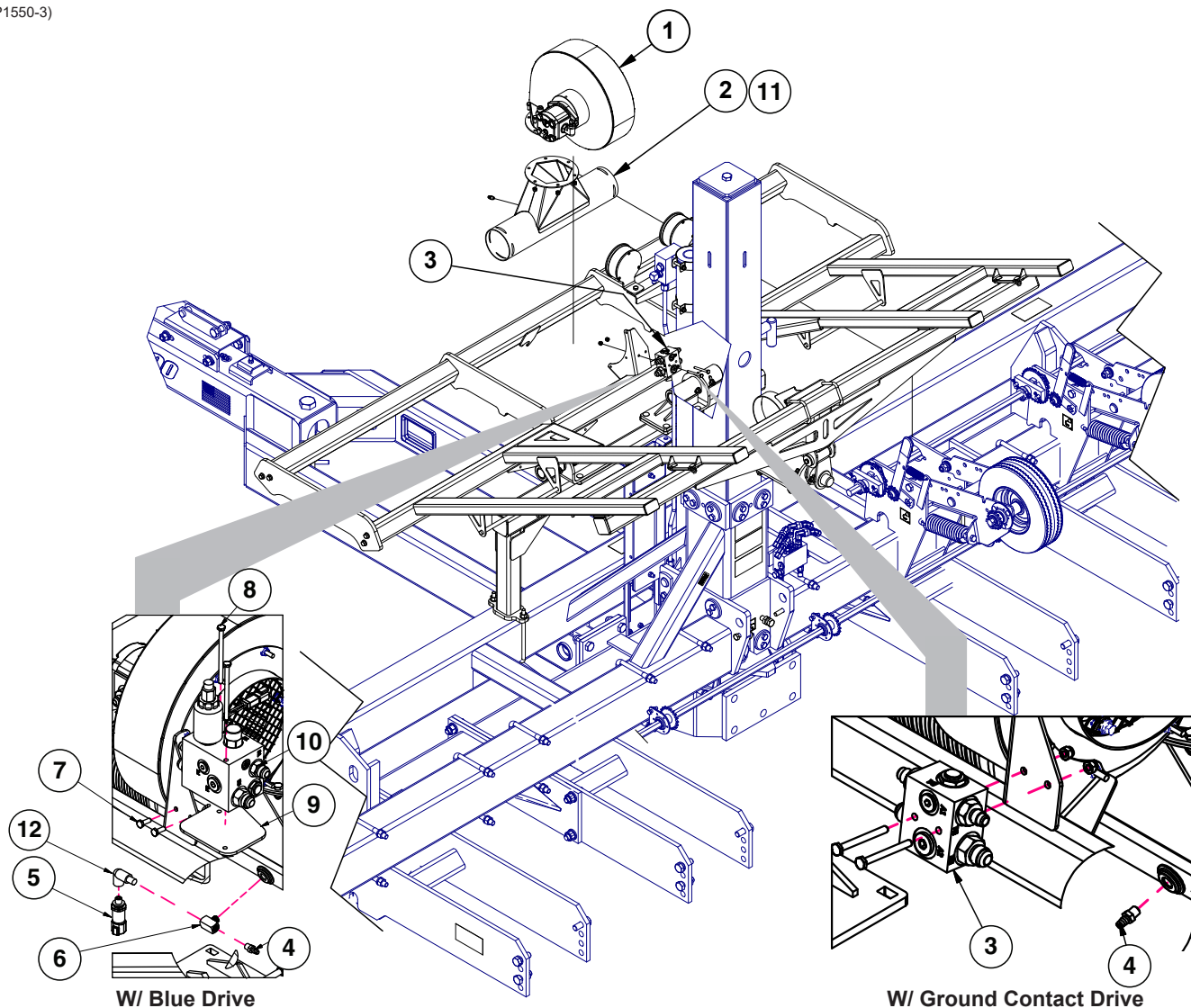
ITEM	PART NO.	QTY.	DESCRIPTION
1	---	1	See "Bulk Fill Tank Assembly" on page P120
2	GA24365	1	Bulk Tank Support
	G10305	8	Carriage Bolt, 3/8"-16 x 1"
	G11091	8	Serrated Flange Nut, 3/8"-16
3	GD33953	2	Side Mount Plate
	G11408	8	Hex Serrated Flange Cap Screw, 3/8"-16 x 1 1/2"
4	GD34701	1	Clean Out Chute Tray
	G10620	4	Serrated Flange Nut, 5/16"-18
5	GA14822	1	Center Cleanout Chute
6	GD34702	2	Chute Tray End Plate
	GD5625	2	Lynch Pin, 3/16"
7	GA24377	1	Handrail
	GD19212	4	U-Bolt, 2 1/2" x 3/8"-16
	G11091	8	Serrated Flange Nut, 3/8"-16
8	GD34071	2	Mount Plate
	GD19212	4	U-Bolt, 2 1/2" x 3/8"-16
	G11091	8	Serrated Flange Nut, 3/8"-16
9	GA24366	1	Tank Support
10	GA17034	1	Rear Tank Mount
	GD33958	1	Threaded Rod
	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
	G10201	2	Special Washer, 3/8" x 1 1/2" O.D.
11	GA24381	1	Bracket
	GD19212	2	U-Bolt, 2 1/2" x 3/8"-16
	G11091	4	Serrated Flange Nut, 3/8"-16
12	GA14041	3	Bulk Fill Tank Mount
	G10003	12	Hex Head Cap Screw, 3/8"-16 x 1 1/2"
	G11387	12	Hardened Washer, 3/8" SAE
	G11091	12	Serrated Flange Nut, 3/8"-16
13	GD33595	3	Pin, 1 1/2" x 8.313"
	G10325	6	Hex Head Cap Screw, 3/8"-16 x 2 3/4"
	G11387	12	Hardened Washer, 3/8" SAE
	G10108	6	Lock Nut, 3/8"-16
	G10062	6	Hex Head Cap Screw, 3/8"-16 x 3"
14	GA25733	1	Front Bulk Fill Mount Support
15	GD8306	2	U-Bolt, 7" x 5" x 1/2"-13
	G10228	4	Lock Washer, 1/2"
	G10102	4	Hex Nut, 1/2"-13
16	GD35037	2	Support Plate
	GD26274	4	U-Bolt, 1 1/2" x 1/4"-20
	G11385	8	Flat Washer, 1/4" SAE
	G10110	8	Lock Nut, 1/4"-20, Grade B
17	GA24374	2	Handrail
	G10001	8	Hex Head Cap Screw, 3/8"-16 x 1"
	G11091	8	Serrated Flange Nut, 3/8"-16
18	GA5121	2	Pin, 2 1/8"
	G10053	2	Hex Head Cap Screw, 1/2"-13 x 2 1/2"
19	G10007	2	Hex Head Cap Screw, 5/8"-11 x 1 1/2"
	G10503	2	Hex Jam Nut, 5/8"-11, Grade 2
20	GA24376	1	Tube W/Sleeves
	G10045	1	Hex Head Cap Screw, 1/2"-13 x 4 1/2"
	G10111	1	Lock Nut, 1/2"-13
21	G10610401	1	Catwalk Platform
22	GD3180-28	1	Sleeve, 5/8" I.D. x 7/8" O.D. x 2 1/4" Long
23	G10862	1	Hex Head Cap Screw, 5/8"-11 x 3 1/4"
	G10230	1	Lock Washer, 5/8"
24	GD35126	2	Shim, 10 Gauge (.1345")
25	GA24758	1	Ladder Without Granular Chemicals and Trailer Hitch
26	G10001	4	Hex Head Cap Screw, 3/8"-16 x 1"
27	G11091	4	Serrated Flange Nut, 3/8"-16
28	GA26267	-	Ladder With Granular Chemicals and Without Trailer Hitch
29	GA26272	-	Ladder with Trailer Hitch
30	G10967401	1	See "Bulk Fill Fan Switch" on page P108

(10967401)

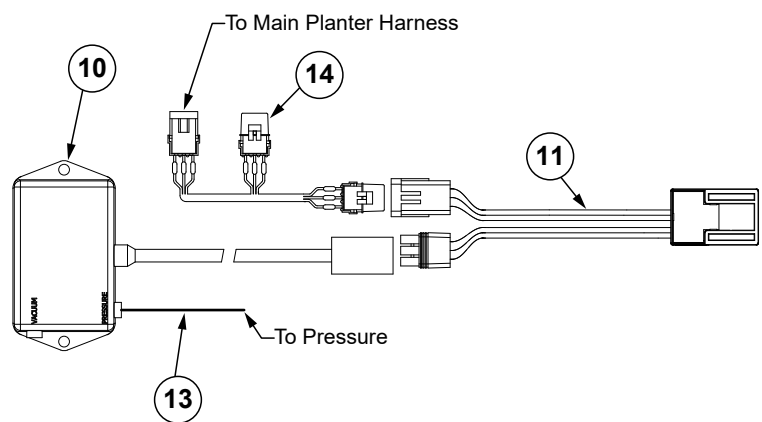
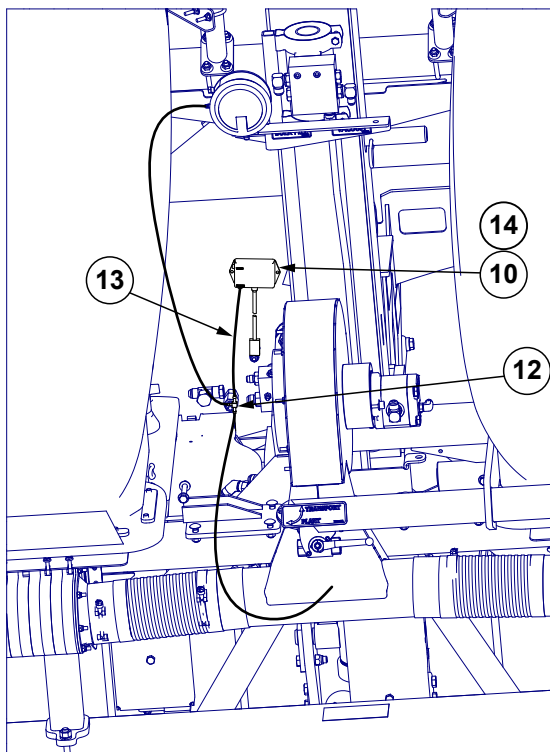
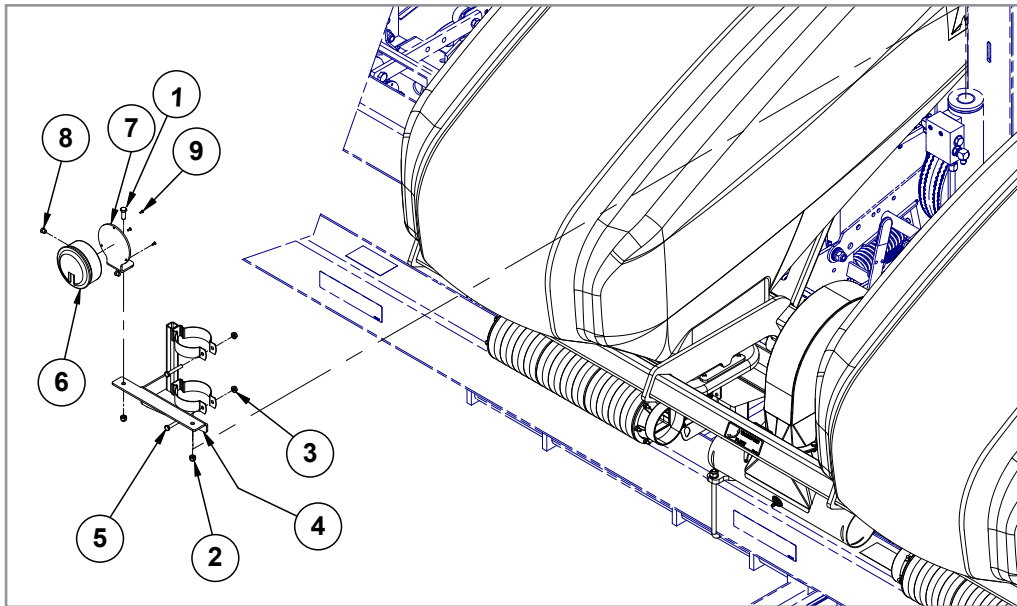


ITEM	PART NO.	QTY.	DESCRIPTION
1	G10967101	1	Fan Switch Bracket
2	G10967201	1	Fan Switch Mount
3	G10108	2	Lock Nut, 3/8"-16
4	G11387	2	Hardened Washer, 3/8" SAE
5	GD27190	1	U-Bolt, 1-1/2" x 3/8"-16
6	GA15485	1	Switch
7	G10967301	1	Fan Switch Decal
8	G10963101	1	Bulk Fill Shutoff Intercept Harness

(IP1550-3)



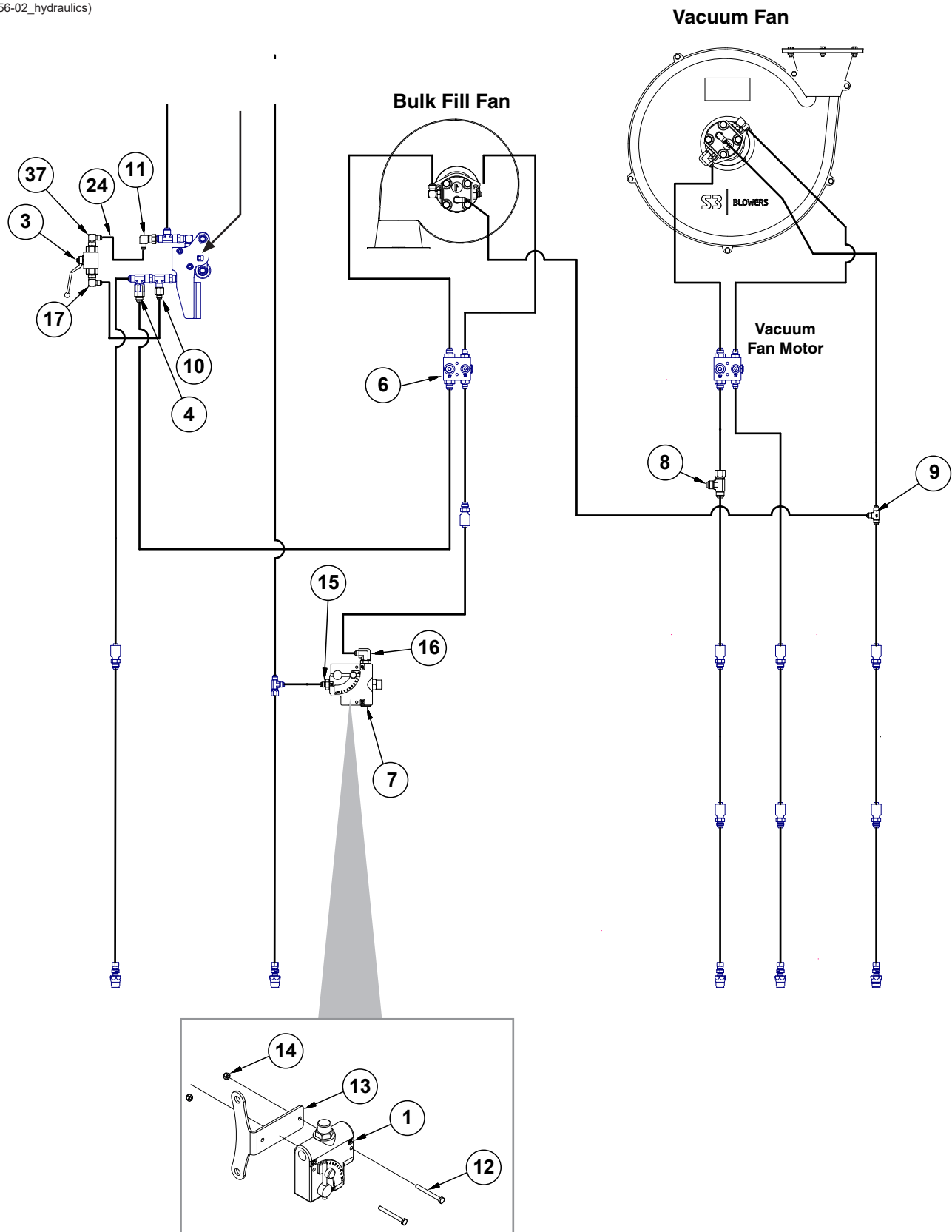
ITEM	PART NO.	QTY.	DESCRIPTION
1	---	-	See "Bulk Fill Fan System" on page P114
	G10043	6	Hex Head Cap Screw, $\frac{5}{16}$ "-18 x $\frac{3}{4}$ "
2	G11068901	1	Bulk Fill Manifold
	G10109	6	Lock Nut, $\frac{5}{16}$ "-18, Grade 8
3	GA24507	1	See "Bulk Fill/Vacuum Anti-Cavitation Check Valve Block (Located on Vacuum Fan)" on page P175
	G10746	2	Hex Head Cap Screw, $\frac{1}{4}$ "-20 x $2\frac{3}{4}$ "
	G11320	2	Lock Nut, $\frac{1}{4}$ "-20, Grade B
4	GR1777	1	Hose Barb, $\frac{1}{8}$ " Male NPT To $\frac{3}{16}$ " Barb
5	G10349601	1	Air Pressure/Vacuum Sensor
	G11009201	1	Air Pressure Adapter Cable
6	GD28372	1	1/8" NPT Tee, Brass (Female/Male/Female)
7	G10023	2	Hex Head Cap Screw, $\frac{1}{4}$ "-20 x $\frac{3}{4}$ "
	G11385	2	Flat Washer, $\frac{1}{4}$ " SAE
	G11320	2	Lock Nut, $\frac{1}{4}$ "-20, Grade B
8	G10943	2	Hex Head Cap Screw, $\frac{1}{4}$ "-20 x 4"
	G11320	2	Lock Nut, $\frac{1}{4}$ "-20, Grade B
9	GD37066	1	Bulk Fill Fan Block Mount
10	---	-	See "Hydraulic Valve Block on Vacuum Motor" on page P80
11	G10763901	1	6 Bolt Flange Seal
12	G10023601	1	Elbow, 90°, 1/8" NPT x 1/8" NPT



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10001	2	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 1"
2	G10108	2	Lock Nut, $\frac{3}{8}$ "-16
3	G10620	2	Serrated Flange Nut, $\frac{5}{16}$ "-18
4	GA14600	1	Pressure Gauge Mount
5	G10041	2	Hex Head Cap Screw, $\frac{5}{16}$ "-18 x 2"
6	GA21406	2	Pressure Gauge W/Hose Barb
	GR1777	2	Hose Barb, $\frac{1}{8}$ " Male NPT To $\frac{3}{16}$ " Barb (Included W/GA21406)
	GD15849-02	-	Clear Plastic Tubing, $\frac{5}{16}$ " O.D. x $\frac{3}{16}$ " I.D. x 120"
7	GD15804	2	Mount
8	GA10799	2	Breather, $\frac{1}{8}$ " Male NPT
9	G11215	6	Hex Flat Head Cap Screw, No. 6-32 x $\frac{3}{8}$ ", Grade 8
10	GA14847	1	Low Pressure Sensor (0-40 IN H2O)
11	GA12812	1	Hall Effect Adapter
12	GD21278	1	Reducing Tee, $\frac{3}{16}$ " x $\frac{1}{8}$ " x $\frac{3}{16}$ "
13	*D17151-20	1	Urethane Tubing, $\frac{1}{4}$ " x 10'
14	GA13551	1	Tee Junction Harness

*Hose not stocked by Kinze repair parts, but is available in bulk (GD17151-21).

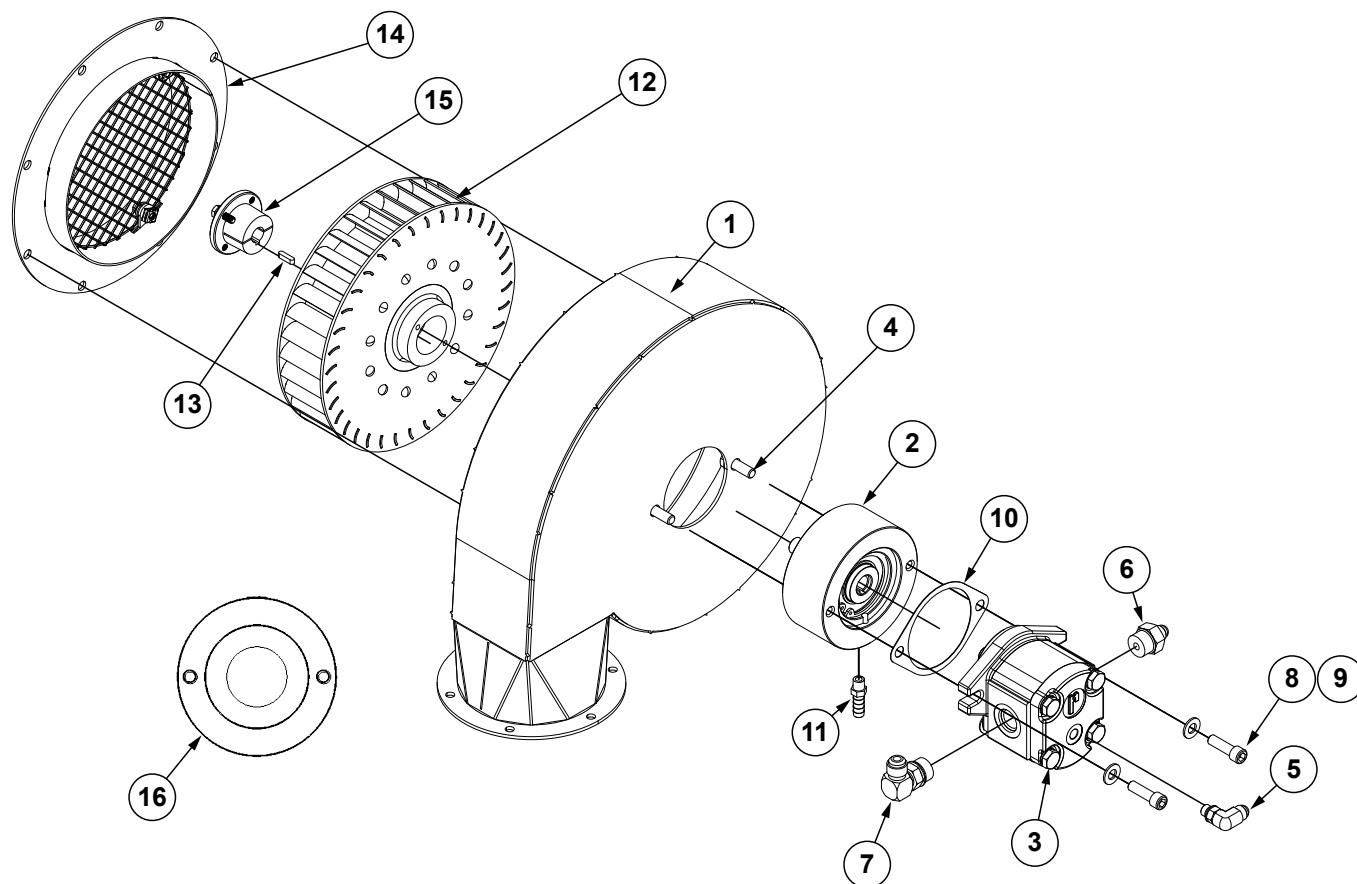
(A24456-02_hydraulics)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA10918	1	Flow Control Valve
	G10253	2	Hex Socket Head Cap Screw, No. 10-32 x 1/2"
3	GA22901	1	Shutoff Valve
4	GA19432	1	Inline Check Valve
6	---	-	See "Bulk Fill/Vacuum Anti-Cavitation Check Valve Block (Located on Vacuum Fan)" on page P175
7	G6408-H10-0	1	Hex Socket Head Plug W/O-Ring, 7/8"-14 O-Ring
8	G6602-10	1	Swivel Tee, 7/8"-14 JIC
9	G2603-06	1	Tee, 9/16"-18 Male JIC
10	G2406-08-06	1	Reducer, 3/4"-16 Female JIC To 9/16"-18 Male JIC
11	G6500-06-08	1	90° Swivel Elbow, 9/16"-18 x 3/4"-16
12	G10403	2	Hex Head Cap Screw, 1/4"-20 x 2 1/2"
13	GD35929	1	Mount Plate
14	G10110	2	Lock Nut, 1/4"-20, Grade B
15	G6400-06-10	1	Adapter, 9/16"-18 JIC, 7/8"-14 O-Ring
16	G6801-06-10	1	Elbow, 9/16"-18 x 7/8"-14 W/O-Ring
17	G6801-06-08	2	Elbow W/O-Ring, 90°, 9/16"-18 Male JIC To 3/4"-16 O-Ring
	GR1037	-	O-Ring

[See "Vacuum Conventional Planter Hydraulic System" on page P186](#) for part numbers of components that are not listed

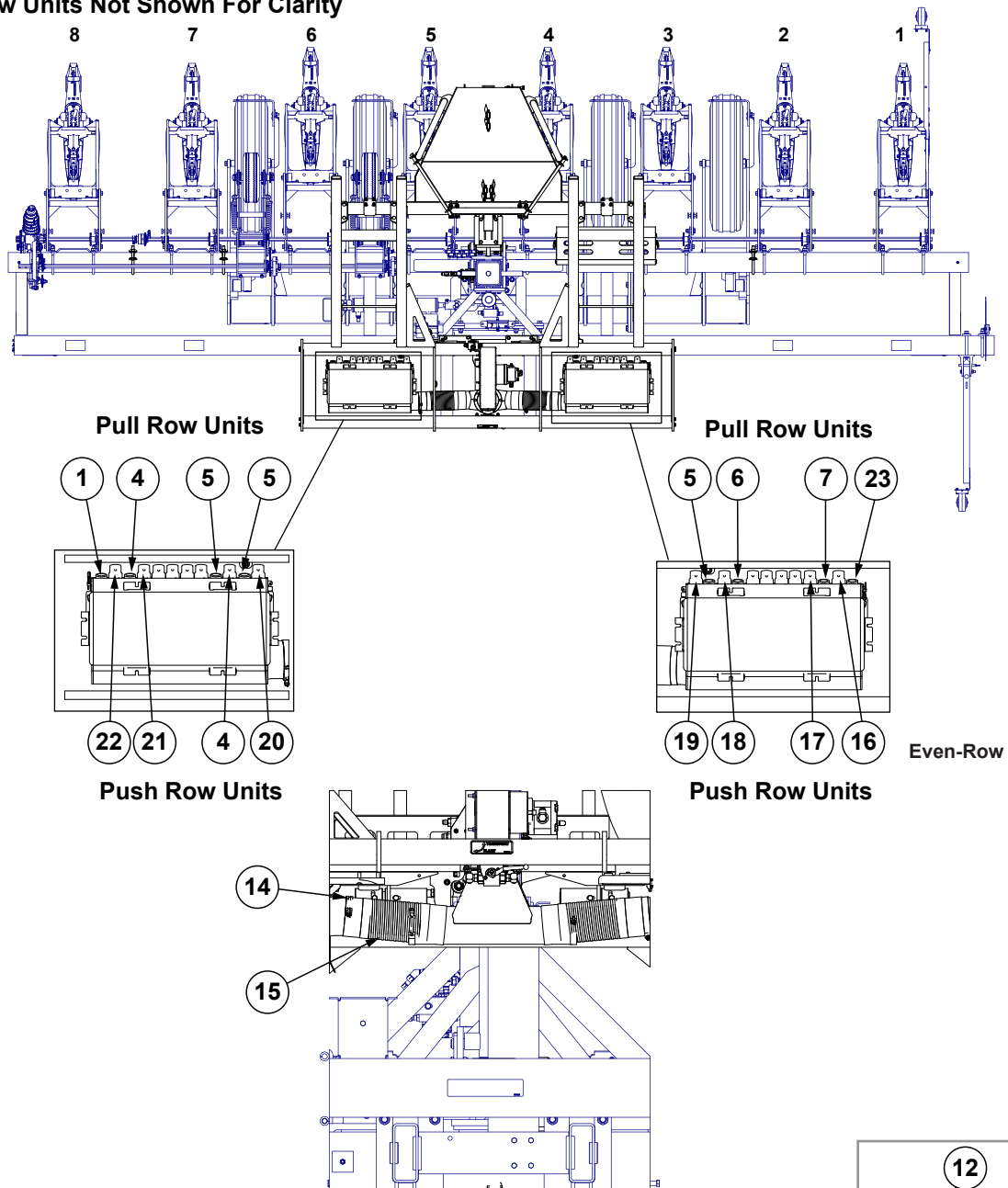
(A24428)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25034	1	Fan Housing
2	GA25388	1	Load Adapter
3	GA24426	1	Motor
4	G11124	2	Hex Serrated Flange Cap Screw, $\frac{3}{8}$ "-16 x 1"
5	G6801-06-04	1	Elbow, 90°, $\frac{1}{16}$ "-18 x $\frac{7}{16}$ "-20 W/O-Ring
6	G6400-06-10	1	Elbow, $\frac{1}{16}$ "-18 x $\frac{7}{16}$ "-14 W/O-Ring
7	G6801-08-10	1	Elbow W/O-Ring, 90°, $\frac{3}{4}$ "-16 Male JIC To $\frac{7}{16}$ "-14 O-Ring
	GR1466	-	O-Ring
8	G11848	2	Hex Socket Head Cap Screw, $\frac{3}{8}$ "-16 x 1- $\frac{1}{4}$ "
9	G11387	2	Flat Washer, $\frac{3}{8}$ " SAE
10	GD30882	1	2-Bolt Mount Gasket
11	GD35294	1	Hose Barb, 1/8"-27 NPTF x 3/8"
12	GA25035	1	Fan Rotor
13	GD21300	1	Key
14	GA25036	1	Fan Inlet
	GD35011	1	Inlet Screen
15	GD34103	1	Bushing
16	GD27215	1	Silicone Sealer
A	GA24429	1	Bulk Fill Fan (Includes Items 1, 12, and 14-15)

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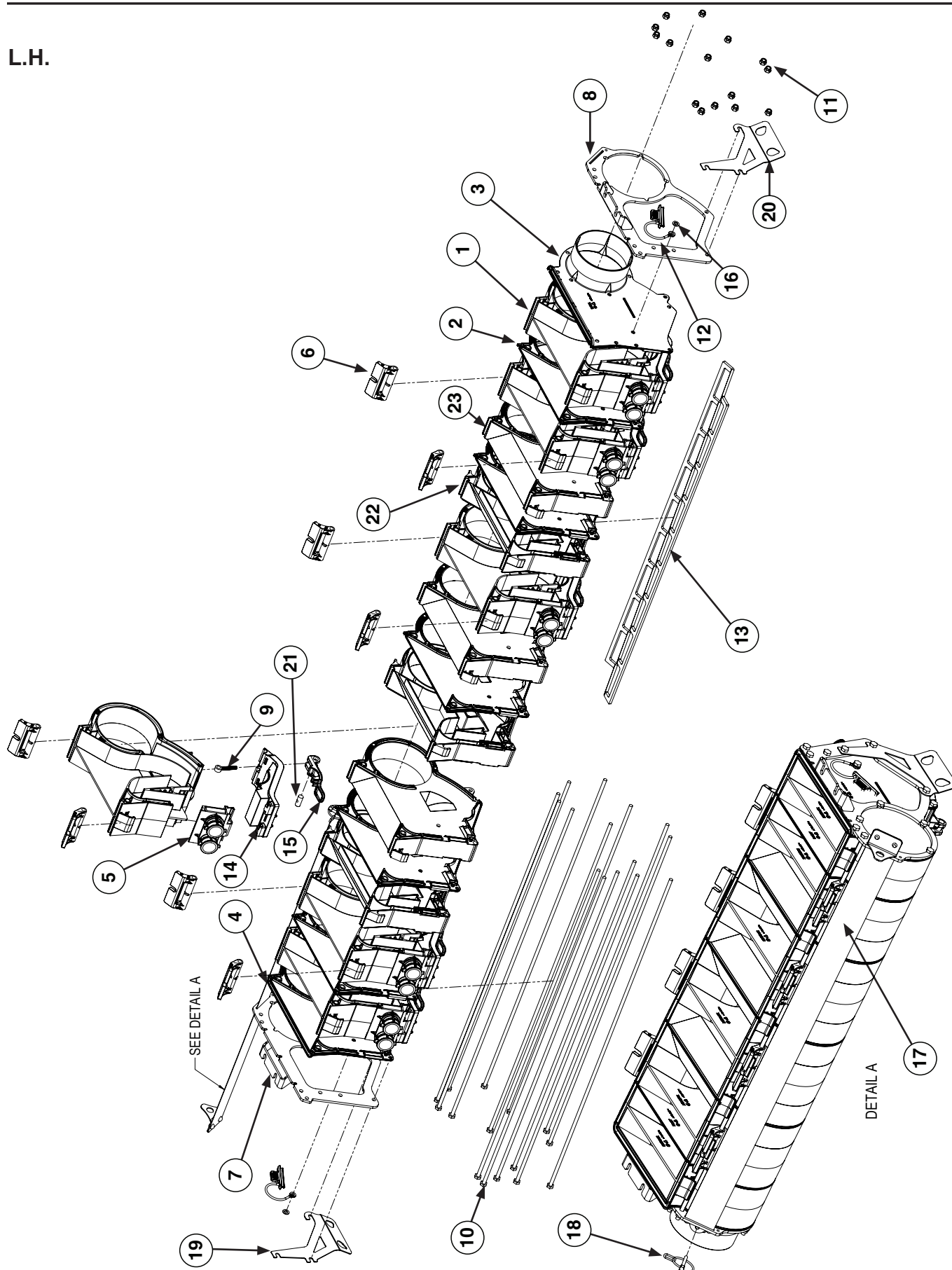
(10137501/A26050)

***Split Row Units Not Shown For Clarity**

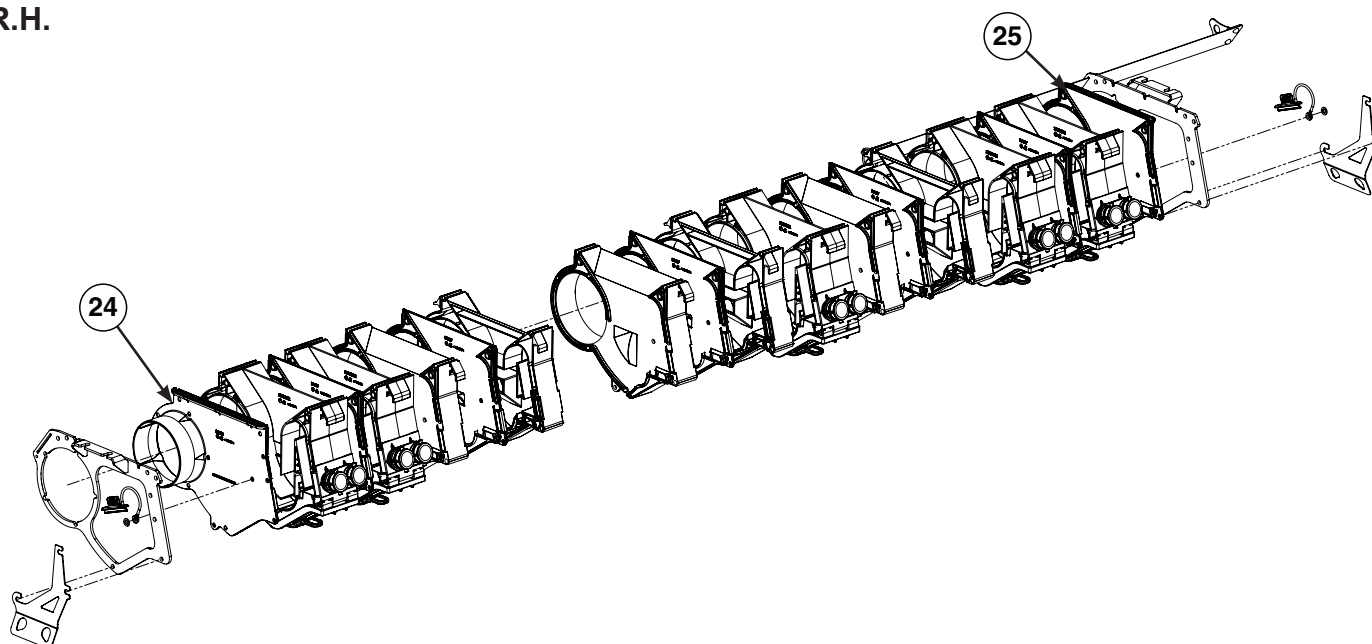
ITEM	PART NO.	QTY.	DESCRIPTION
1	*A13870-133	1	Seed Hose Assembly, 1¼" x 133"
2	GB0431	-	Bulk Fill Small Cap
	GD19508	-	Small O-Ring
3	GD9129-01	-	Hose Protector, 48"
4	*A13870-101	1	Seed Hose Assembly, 1¼" x 101"
5	*A13870-72	3	Seed Hose Assembly, 1¼" x 72"
6	*A13870-74	1	Seed Hose Assembly, 1¼" x 74"
7	*A13870-103	1	Seed Hose Assembly, 1¼" x 103"
8	GD1113	3	U-Bolt, 5" x 7" x ⅝"-11
9	G10104	6	Hex Nut, ⅝"-11
10	G10230	6	Lock Washer, ⅝"
11	GD34372	3	Hose Holder Mount, 30"
12	GD2558	3	Lynch Pin, ¼"
13	GD20595	3	Hose Holder Short Mount
14	G11360	4	T-Bolt Hose Clamp, 4½"
15	GD19659-08	2	Black Hose, 4½" I.D. x 12"
16	*A13870-137	1	Seed Hose Assembly, 1¼" x 137"
17	*A13870-149	1	Seed Hose Assembly, 1¼" x 149"
18	*A13870-97	1	Seed Hose Assembly, 1¼" x 97"
19	*A13870-82	1	Seed Hose Assembly, 1¼" x 82"
20	*A13870-93	1	Seed Hose Assembly, 1¼" x 93"
21	*A13870-118	1	Seed Hose Assembly, 1¼" x 118"
22	*A13870-123	1	Seed Hose Assembly, 1¼" x 123"
23	*A13870-116	1	Seed Hose Assembly, 1¼" x 116"

*Hose not stocked by Kinze repair parts, but is available in bulk (GR1947).

L.H.

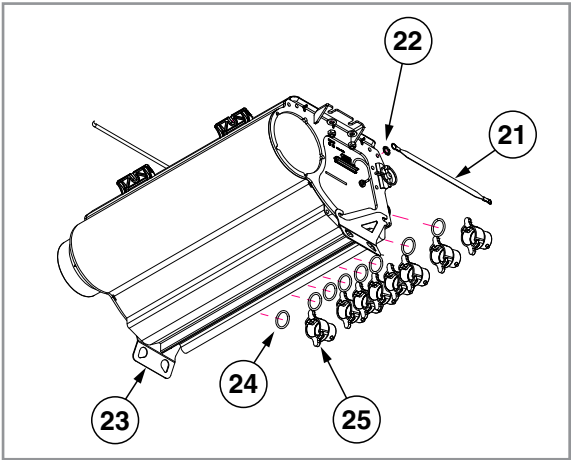
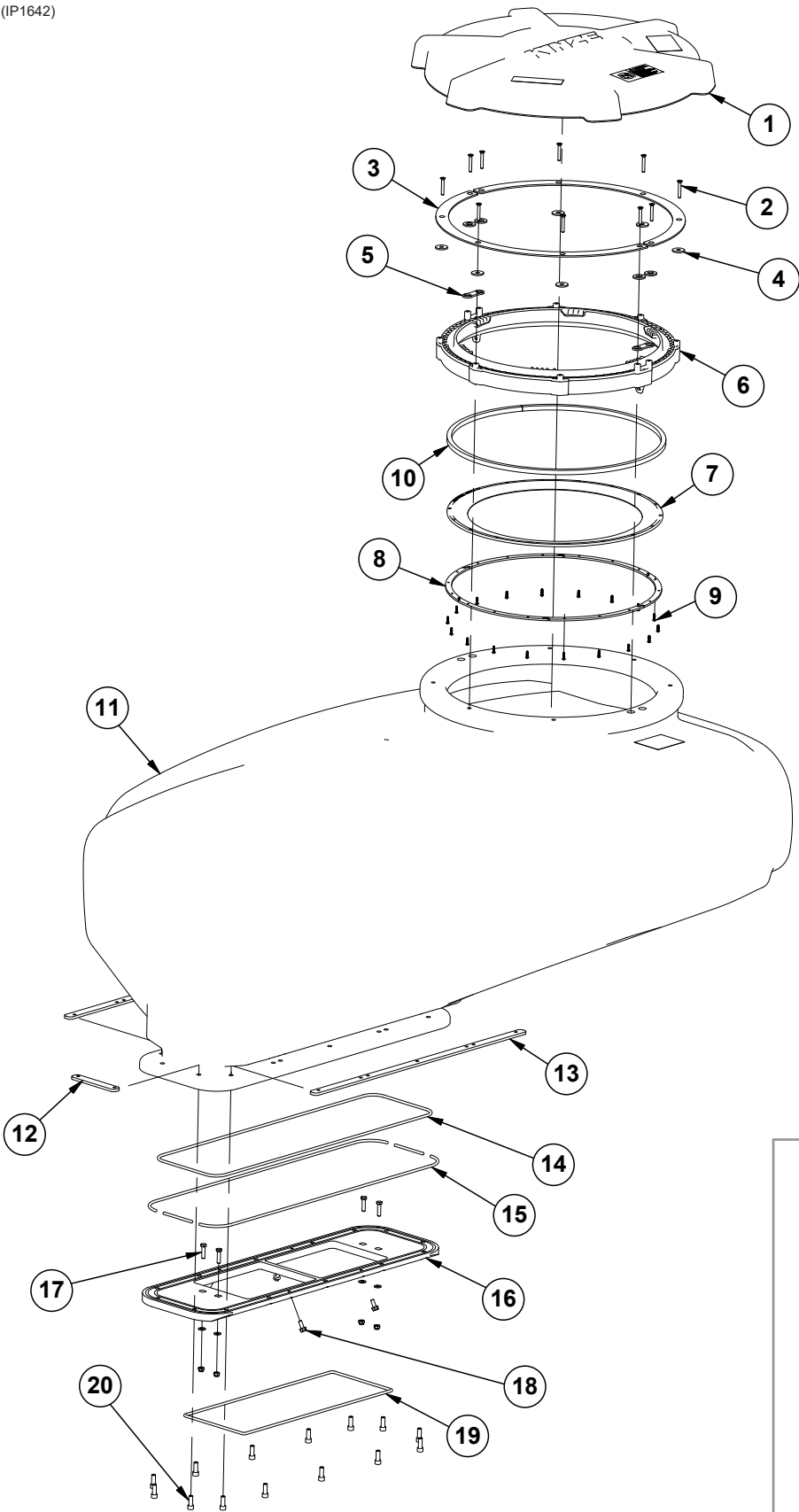


R.H.



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10993901	6	Entrainer Section
2	GB1197	5	Entrainer Interior Wall
3	GB1201	1	Entrainer End Cap, L.H.
4	GB1199	1	Entrainer End Cap, L.H.
5	G10994201	6	Dual Entrainer Outlet, 1"
6	GB1204	8	Entrainer Mount Adapter
7	G11113601	1	Entrainer Retainment Assembly, L.H.
8	G11113501	1	Entrainer Retainment Assembly, R.H.
9	GD19864	6	Eye Bolt, 1/4"-20 x 1.83 OAL
10	G10936301	15	Hex Head Cap Screw, 1/4"-20 x 31.75", Grade 2
11	G11320	15	Lock Nut, 1/4"-20, Grade B
12	GB0444	2	Bulk Fill Shutoff Door Plug
13	G10301401	1	Cleanout Door Gasket, 18 Section
14	G11045701	6	Entrainer Door Assembly
15	G10994101	6	Entrainer Door Latch
16	G11328	2	Washer, 1/4"
17	G10495105	1	Shutoff Door Assembly
18	G10439801	1	Lynch Pin, 3/16" x 1-1/4", W/Chain
19	G10017201	1	Bulk Fill Chute Hanger
20	G10017301	1	Bulk Fill Chute Hanger
21	GD21080	6	Cam Nut, 1/4"-20
22	G10994301	3	Narrow Entrainer Spacer, L.H.
23	G10994401	3	Narrow Entrainer Spacer, R.H.
24	GB1200	1	Entrainer Inlet, R.H.
25	GB1198	1	Entrainer End Cap, R.H.
A	G11043502	-	Bulk Fill Entrainer Assembly, R.H. (Items 1-2, 5-25)
B	G11043501	-	Bulk Fill Entrainer Assembly, L.H. (Items 1-23)

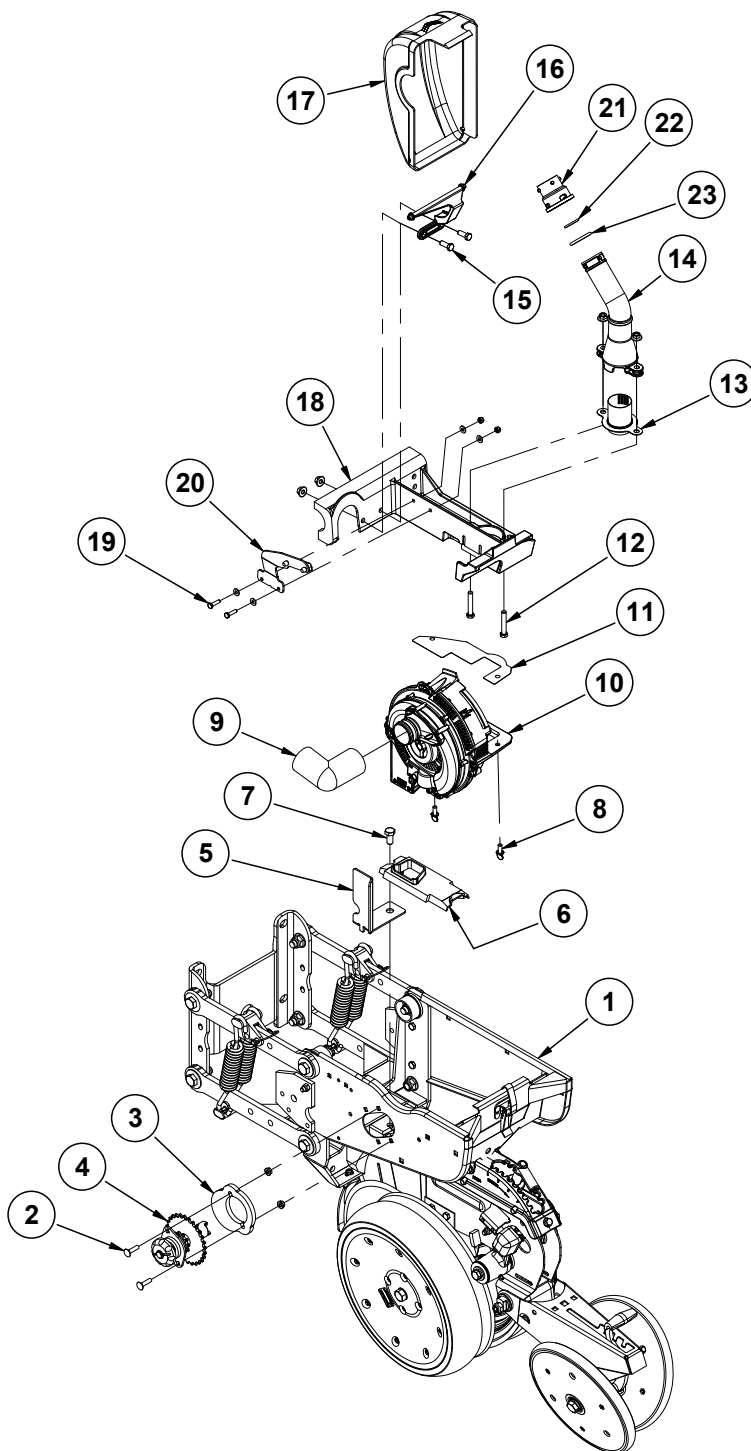
(IP1642)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GB0673	1	Bulk Fill Tank Lid
	GD24879-01	1	Rope Tether, 36"
	G11386	1	Flat Washer, 5/16"SAE
2	G10132501	10	Hex Flange Head Cap Screw, 1/4"-20 x 1 3/4"
3	GD35844	2	Top Ring Mount Plate
4	GD35857	6	Foam Seal Washer
5	GB0905	2	Lid Seal Ring Spacer
	GD24754	4	Foam Seal
6	GB1206	1	Bulk Fill Tank Lid Latch
7	GB0675	1	Bulk Fill Tank Lid Seal
8	GD24386	6	Bulk Fill Lid Seal Ring Segment
9	G11522	18	Phillip Pan Head Tapping Screw, #8-18 x 5/8"
10	*GD35274-01	1	Ribbon Sealer, 66 1/2" (Length Used For Tank Lid)
11	G10058001	1	Bulk Seed Tank, 25 Bushel
12	GD20923	2	Entrainer Mount Tap Block, Short
13	G10057501	2	Entrainer Mount Tap Block
14	GD19690-05	1	Ribbon Sealer, 8.25'
15	GD19690-06	1	Ribbon Sealer, 9'
16	G10109101	1	Entrainer Adapter, 18 Row
17	G10171	4	Hex Head Cap Screw, 5/16"-18 x 1 1/4"
	G11386	4	Flat Washer, 5/16" SAE
	G11182	4	Lock Nut W/Nylon Insert, 5/16"-18
18	G10961	8	Flanged Whiz Lock Screw, 5/16"-18 x 3/4", No Serration
19	G10302503	1	Foam Cord, 5/16" x 78.651"
20	G11261	14	Hex Socket Head Cap Screw, 3/8"-16 x 1"
21	GD27607	1	Ground Strap
22	G10529	1	External Tooth Lock Washer, 3/8"
23	---	---	See "Bulk Fill Entrainer Assembly, 12 Section" on page P118
24	GD19508	8	O-Ring, Small Coupler
25	GB0431	8	Bulk Fill Small Cap
A	G10129501	-	Bulk Fill Lid Seal Assembly (Items 6-9)

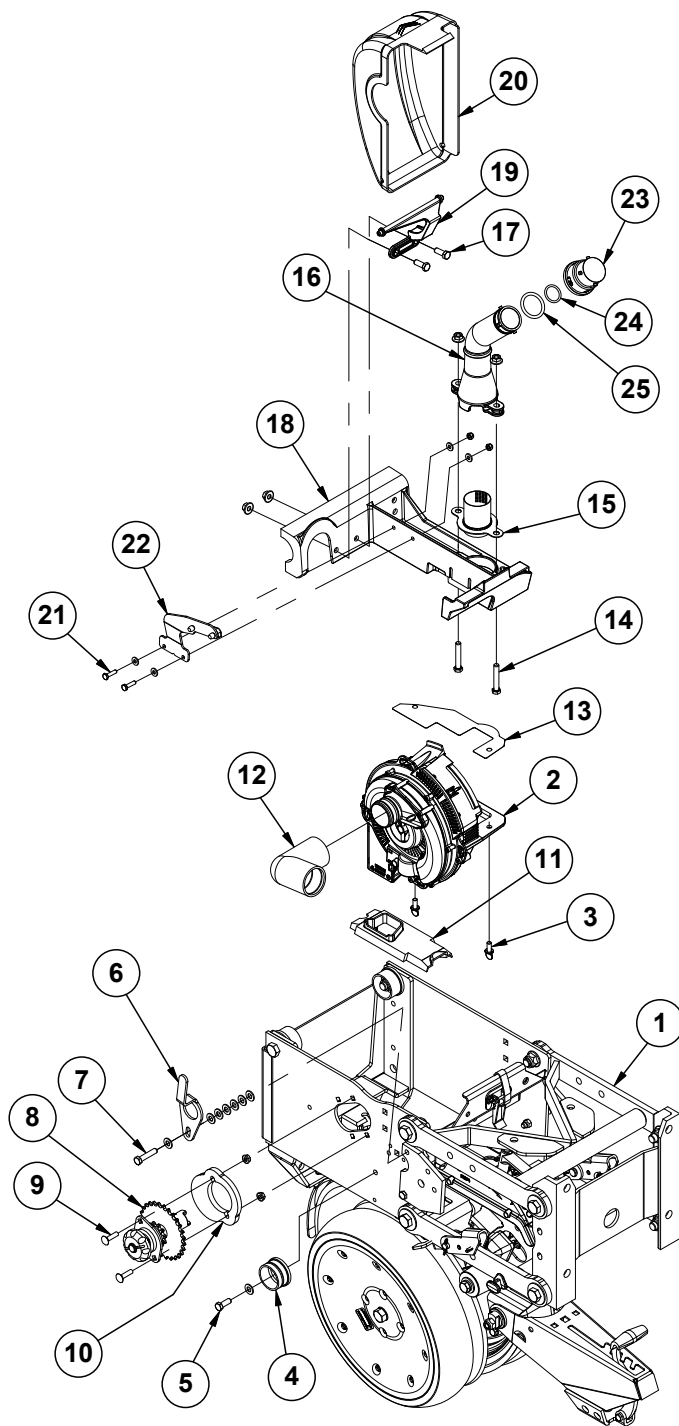
*Available in bulk only (21.75').

(IP1636)



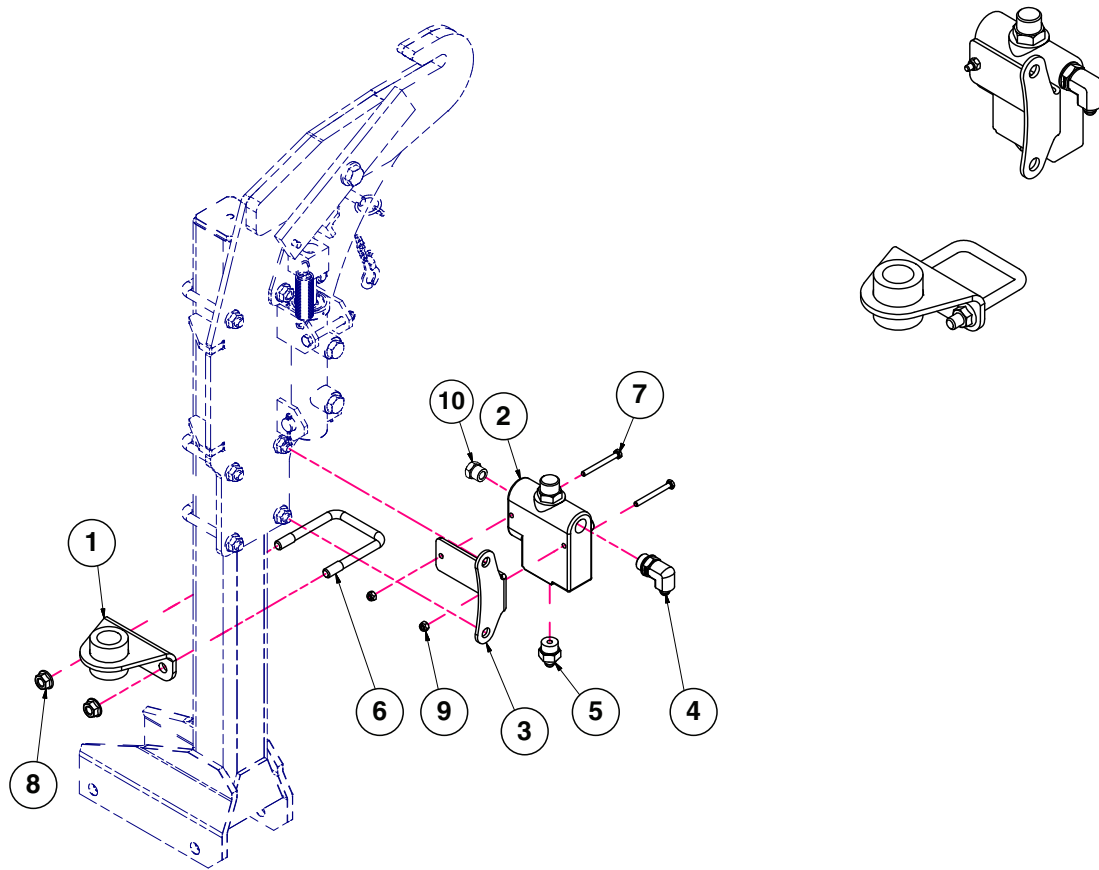
ITEM	PART NO.	QTY.	DESCRIPTION
1	---	---	See "Shank Assembly, Seed Tube, and Depth Adjustment" on page P3 See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Force Springs Option" on page P5 See "Hopper Support and Meter Drive" on page P13
2	G10338	2	Carriage Bolt, $\frac{5}{16}$ "-18 x $1\frac{1}{4}$ "
	G10620	2	Serrated Flange Nut, $\frac{5}{16}$ "-18
3	GB0331	1	Clutch Adapter Plate
4	GA20640	1	Meter Drive Assembly, 11/28 Tooth
	G3303-108	-	Chain, No. 41, 108 Pitch Including Connector Link
	G3303-124	-	Chain, No. 41, 120 Pitch Including Connector Link (Center 4 Rows)
	GR0196	-	Connector Link, No. 41
5	GD29798	1	Chain Guard
6	GB0926	1	Shank Cover
7	G10014	1	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x 1"
	G10071	1	Serrated Flange Nut, $\frac{1}{2}$ "-13
8	G11009	2	Locking Thumbscrew, $\frac{5}{16}$ "-18 x $\frac{3}{4}$ "
9	GB1313	1	90° Elbow, $1\frac{1}{2}$ " Hose
10	---	1	See "Vacuum Seed Meter" on page P21
11	GD29413	1	Hopper Shim
12	G10939	2	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $2\frac{1}{4}$ "
	G11091	2	Serrated Flange Nut, $\frac{3}{8}$ "-16
13	GB0901	1	Air Dissipator Screen
14	GB0455	1	Bulk Fill Air Pressure Dissipator
15	G10001	2	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 1"
	G11091	2	Serrated Flange Nut, $\frac{3}{8}$ "-16
16	GB0717	1	Vacuum Meter Cover Hinge
17	GB0428	1	Meter Cover
18	GA25304	1	Meter Mount W/Inserts
	GD35858	-	Threaded Insert, $\frac{5}{16}$ "-18 (Included W/GA25304)
19	G10064	2	Hex Head Cap Screw, $\frac{1}{4}$ "-20 x 1"
	G11385	4	Flat Washer, $\frac{1}{4}$ " SAE
	G10110	2	Lock Nut, $\frac{1}{4}$ "-20, Grade B
20	GA21309	1	Meter Support
21	GB0430	1	Bulk Fill Large Cap
22	GD19508	1	Small O-Ring
23	GD19509	1	O-Ring, Large

(IP1637)



ITEM	PART NO.	QTY.	DESCRIPTION
1	---	---	See "Shank and Depth Adjustment (Split Row)" on page P60 See "Parallel Arms and Face Plate (Split Row)" on page P58
2	GA21482	1	See "Vacuum Seed Meter" on page P21
3	G11009	2	Locking Thumbscrew, 5/16"-18 x 3/4"
4	GD17052	1	Vacuum Plug
5	G10001	1	Hex Head Cap Screw, 3/8"-16 x 1"
	G11387	8	Hardened Washer, 3/8" SAE
	G10108	1	Lock Nut, 3/8"-16
6	G10180301	1	Vacuum Hose Guide
7	G10047	1	Hex Head Cap Screw, 3/8"-16 x 1 3/4"
8	GA20640	1	Meter Drive Assembly, 11/28 Tooth
	G3303-96	-	Chain, No. 41, 96 Pitch Including Connector Link
	GR0196	-	Connector Link, No. 41
9	G10338	2	Carriage Bolt, 5/16"-18 x 1 1/4"
	G10620	2	Serrated Flange Nut, 5/16"-18
10	GB0331	1	Clutch Adapter Plate
11	GB0926	1	Shank Cover
12	GB1313	1	90° Elbow, 1 1/2" Hose
13	GD29413	1	Hopper Shim
14	G10939	2	Hex Head Cap Screw, 3/8"-16 x 2 1/4"
	G11091	2	Serrated Flange Nut, 3/8"-16
15	GB0901	1	Air Dissipator Screen
16	GB0455	1	Bulk Fill Air Pressure Dissipator
17	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
	G11091	2	Serrated Flange Nut, 3/8"-16
18	GA25304	1	Meter Mount W/Inserts
	GD16561	-	Threaded Insert, 5/16"-18 (Included W/GA25304)
19	GB0717	1	Vacuum Meter Cover Hinge
20	GB0428	1	Vacuum Meter Cover
21	G10064	2	Hex Head Cap Screw, 1/4"-20 x 1"
	G10110	2	Lock Nut, 1/4"-20, Grade B
	G11385	4	Flat Washer, 1/4" SAE
22	GA21309	1	Meter Support
23	GB0430	1	Bulk Fill Large Cap
24	GD19508	1	Small O-Ring
25	GD19509	1	O-Ring, Large

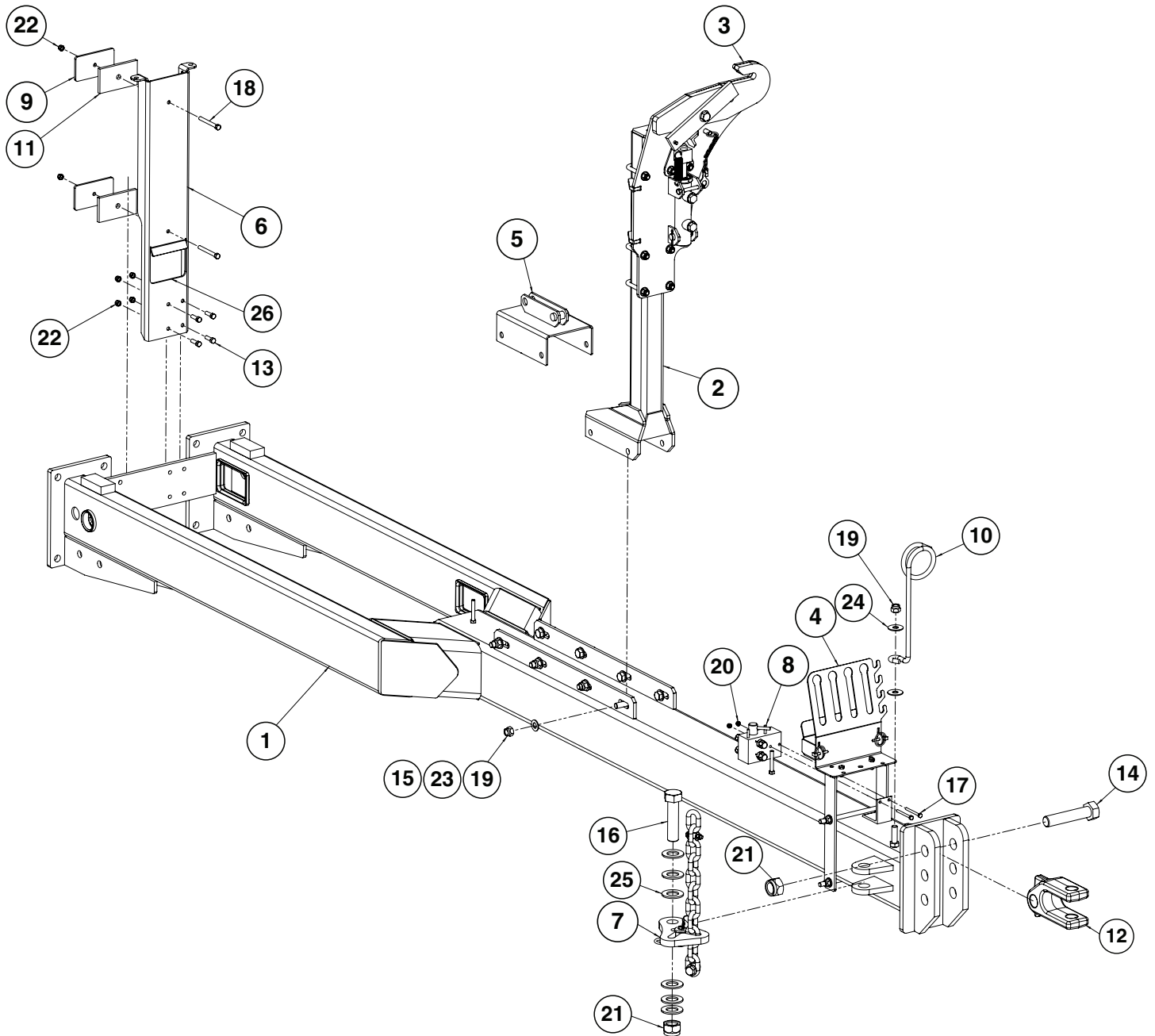
(A26115)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA24415	1	Bracket
2	GA10918	1	Flow Control Valve
3	GD35929	1	Mount Plate
4	G6801-06-10	1	Elbow, 9/16"-18 x 7/8"-14 W/O-Ring
5	G6400-06-10	1	Adapter, 9/16"-18 JIC, 7/8"-14 O-Ring
6	GD4743	1	U-Bolt, 3" x 3" x 1/2"-13
7	G10403	2	Hex Head Cap Screw, 1/4"-20 x 2 1/2"
8	G10071	2	Serrated Flange Nut, 1/2"-13
9	G10110	2	Lock Nut, 1/4"-20, Grade B
10	G6408-10	1	O-Ring Plug, 7/8-14 Hex Head

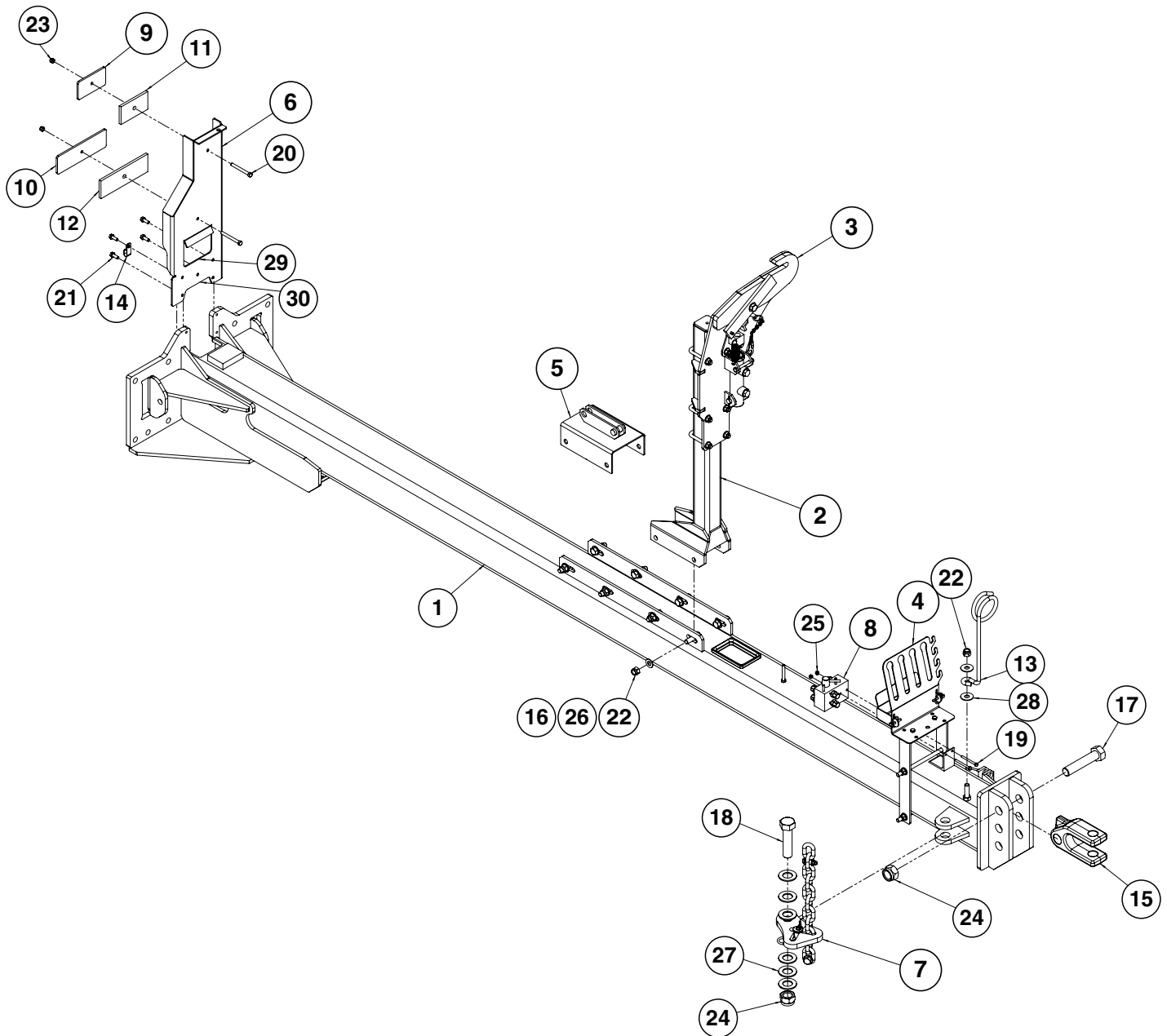
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(107063)



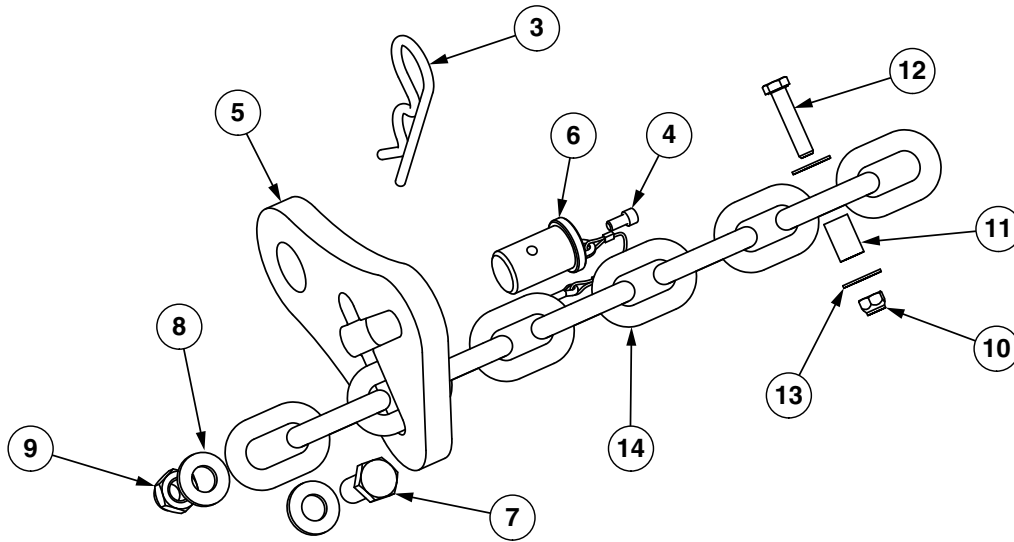
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10692701	1	Y-Hitch
2	GA6418	1	Transport Post
3	GA26076	1	See "Transport Catch Assembly" on page P136
4	GA25891	1	See "Hydraulic Hose Holder" on page P133
5	G10740701	1	Jack Storage Mount
6	GA24422	1	Hydraulic Hose Tray
7	GA25107	1	Safety Chain Latch Assembly
8	GA26111	1	Selector Valve
9	GD34015	2	Hose Clamp Plate
10	GD16328	1	Hose Holder
11	GD8189	2	Rubber Strip, 3/8"
12	GB0156	1	Double Clevis
13	G10004	4	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
14	G10169	1	Hex Head Cap Screw, 1 1/4"-7 x 6"
15	G10008	8	Hex Head Cap Screw, 5/8"-11 x 2"
16	G11290	1	Hex Head Cap Screw, 1 1/4"-7 x 5"
17	G10746	2	Hex Head Cap Screw, 1/4"-20 x 2 3/4"
18	G10061	2	Hex Head Cap Screw, 3/8"-16 x 3 1/2"
19	G10107	9	Lock Nut, 5/8"-11
20	G10110	2	Lock Nut, 1/4"-20, Grade B
21	G10157	2	Lock Nut, 1-1/4"-7
22	G10108	6	Lock Nut, 3/8"-16
23	G11391	16	Flat Washer, 5/8" SAE
24	G10217	2	Washer, 5/8" USS
25	G11396	6	Flat Washer, 1 1/4" SAE
26	G4425-02	1	Edge Molding, 3/16" x 15"

(107062)



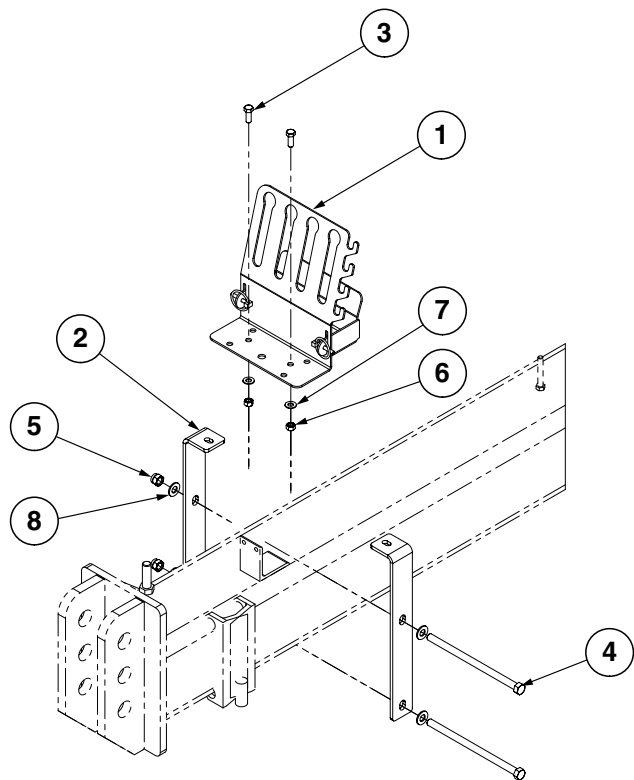
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10692601	1	T-Hitch
2	GA6418	1	Transport Post
3	GA26076	1	See "Transport Catch Assembly" on page P136
4	GA25891	1	See "Hydraulic Hose Holder" on page P133
5	G10740701	1	Jack Storage Mount
6	GA25893	1	T-Hitch Bulkhead
7	GA25107	1	Safety Chain Latch Assembly
8	GA26111	1	Selector Valve
9	GD34015	1	Hose Clamp Plate
10	GD35724	1	Hose Clamp Plate
11	GD8189	1	Rubber Strip, 3/8"
12	GD35725	1	Rubber Strip, 3/8"
13	GD16328	1	Hose Holder
14	GD17161	1	Insulated Clamp
15	GB0156	1	Double Clevis
16	G10008	8	Hex Head Cap Screw, 5/8"-11 x 2"
17	G10169	1	Hex Head Cap Screw, 1 1/4"-7 x 6"
18	G11290	1	Hex Head Cap Screw, 1 1/4"-7 x 5"
19	G10746	2	Hex Head Cap Screw, 1/4"-20 x 2 3/4"
20	G10061	2	Hex Head Cap Screw, 3/8"-16 x 3 1/2"
21	G11124	4	Hex Serrated Flange Cap Screw, 3/8"-16 x 1"
22	G10107	9	Lock Nut, 5/8"-11
23	G10108	2	Lock Nut, 3/8"-16
24	G10157	2	Lock Nut, 1-1/4"-7
25	G10110	2	Lock Nut, 1/4"-20, Grade B
26	G11391	16	Flat Washer, 5/8" SAE
27	G11396	6	Flat Washer, 1 1/4" SAE
28	G10217	2	Washer, 5/8" USS
29	G4425-02	1	Edge Molding, 3/16" x 15"
30	G4425-03	1	Edge Molding, 3/16" x 4.5"

(A25107)



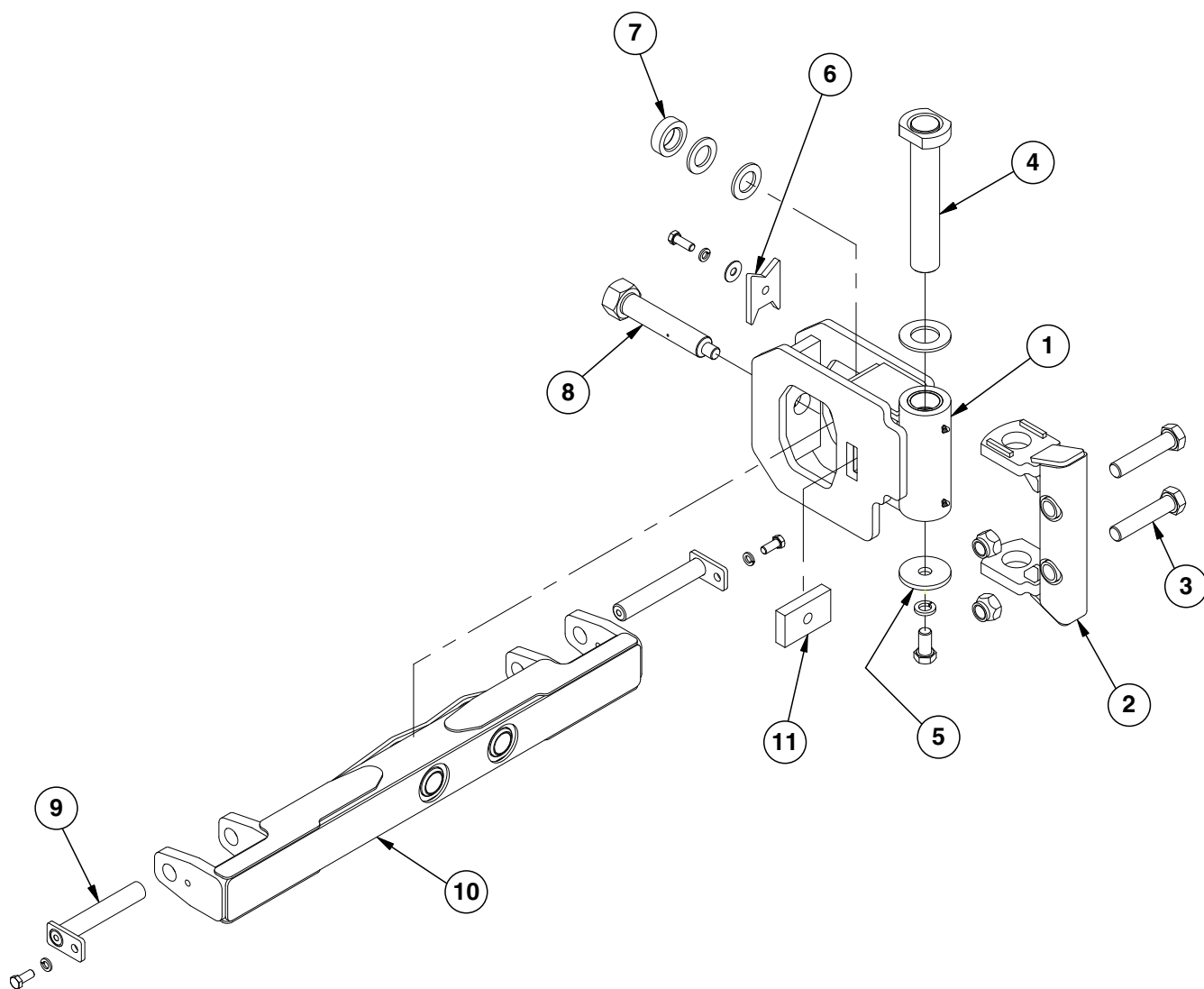
ITEM	PART NO.	QTY.	DESCRIPTION
1	---	-	---
2	---	-	---
3	G10671	1	Hairpin Cotter, 3/16" x 3 1/4"
4	G11874	1	Hex Socket Head Cap Screw, 1/4"-20 x 1/2"
5	GD35127	1	Single Chain Latch
6	GD35340	1	Chain Latch Pin
7	G10007	1	Hex Head Cap Screw, 5/8"-11 x 1 1/2"
8	G11391	2	Flat Washer, 5/8" SAE
9	G10107	1	Lock Nut, 5/8"-11
10	G10108	1	Lock Nut, 3/8"-16
11	GD8893-07	1	Sleeve, 1" Long
12	G10047	1	Hex Head Cap Screw, 3/8"-16 x 1 3/4"
13	G10210	2	Washer, 3/8" USS
14	G3324-01	1	Safety Chain, 13MM Grade 70, 97-1/2"

(A25891)



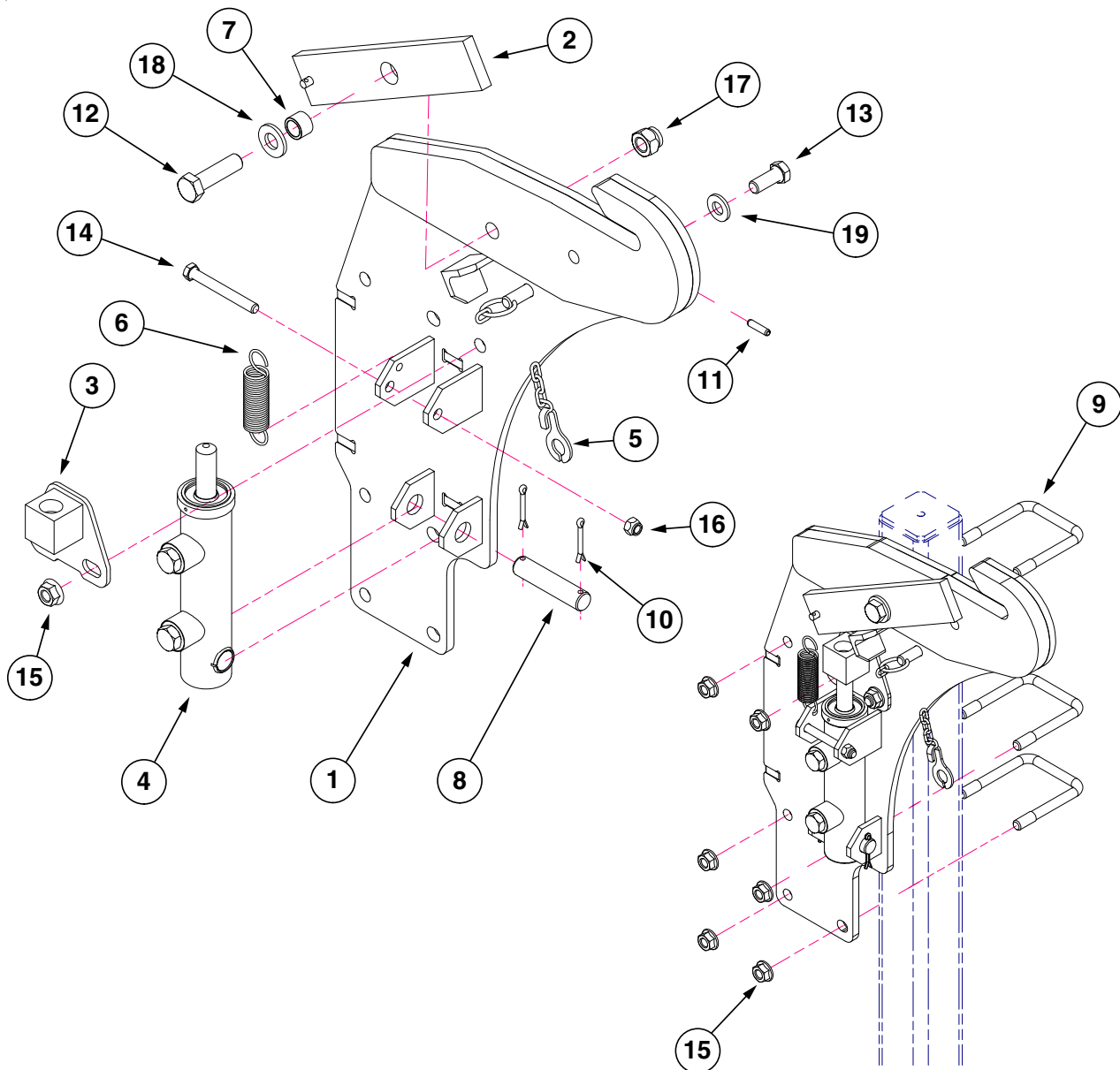
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25760	1	Hydraulic Hose Holder Assembly
2	GD35726	2	Bracket
3	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
4	G10909	2	Hex Head Cap Screw, 1/2"-13 x 9"
5	G10111	2	Lock Nut, 1/2"-13
6	G10101	2	Hex Nut, 3/8"-16
7	G11387	2	Flat Washer, 3/8" SAE
8	G11389	4	Flat Washer, 1/2" Plated SAE

(IP1012/A12406)



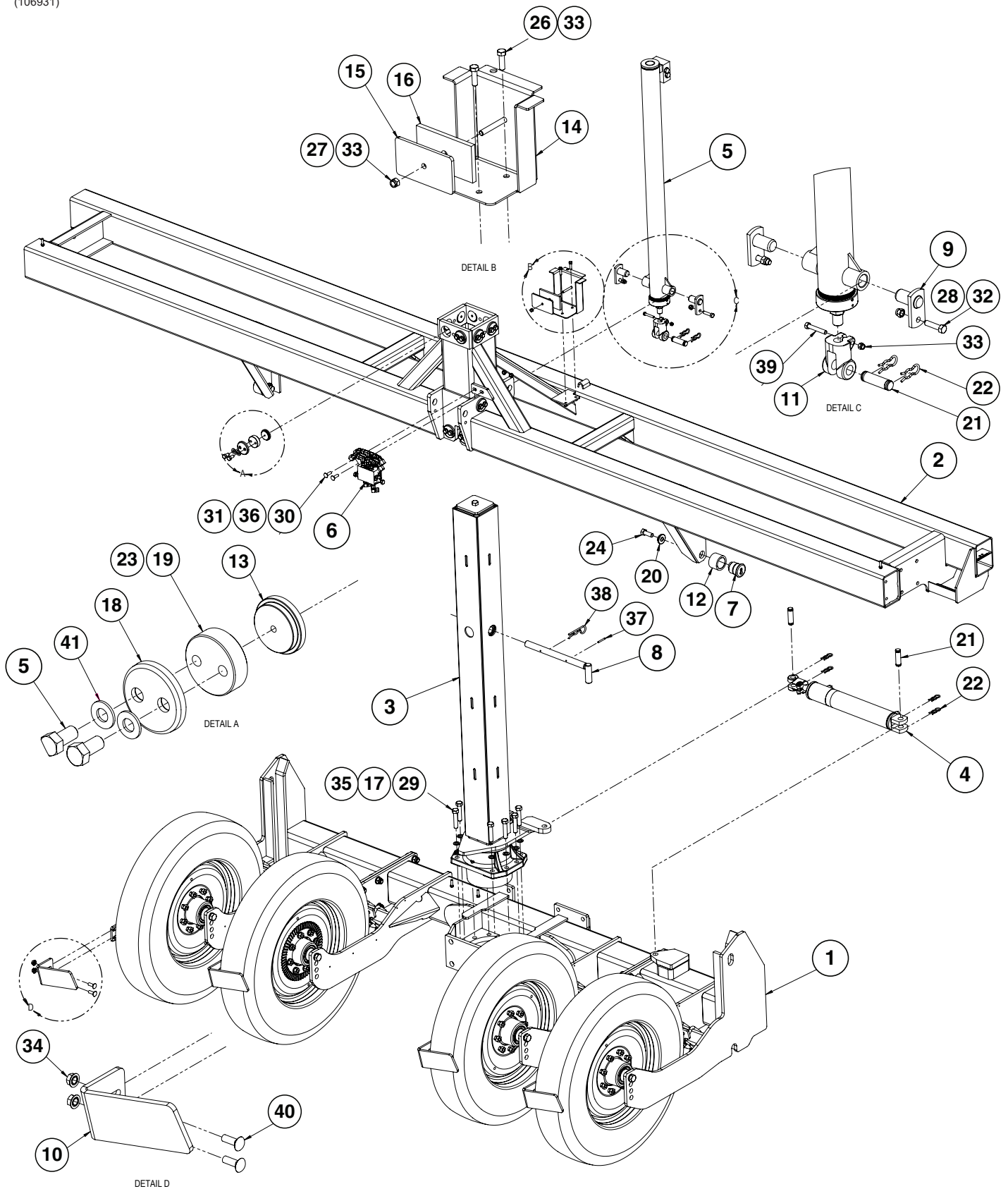
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA13665	1	Hitch Pivot
2	GA13783	1	Pivot Mount
3	G10169	2	Hex Head Cap Screw, 1¼"-7 x 6"
	G10157	2	Lock Nut, 1¼"-7
4	GA12163	1	Pin, 13 ³ / ₈ "
	GD15725	1	Washer, 4" O.D. x 2¼" I.D. x ¼"
5	GD17245	1	Washer, 4" O.D. x 1½" I.D. X ¾"
	G11223	1	Hex Head Cap Screw, 1"-8 x 2"
	G10118	1	Lock Washer, 1"
6	GD15100	1	Pivot Lock
	G10230	1	Lock Washer, ⅝"
	G10217	1	Washer, ⅝" USS
	G10005	1	Hex Head Cap Screw, ⅞"-11 x 1¾"
7	GD16226	1	Sleeve, 3" O.D. x 1 ²⁵ / ₃₂ " x 2 ⁹ / ₃₂ " Thick
	GD16303	2	Washer, 3" O.D. x 1 ²⁵ / ₃₂ " x ¼" Thick
8	GA13673	1	Pivot Pin
9	GA11079	2	Hammer Strap, Category 3 And 3N
	G10007	2	Hex Head Cap Screw, ⅝"-11 x 1½"
	G10230	2	Lock Washer, ⅝"
10	GA12164	1	Hitch Bar
11	GD19468	1	Tapped Bar

(A26076)



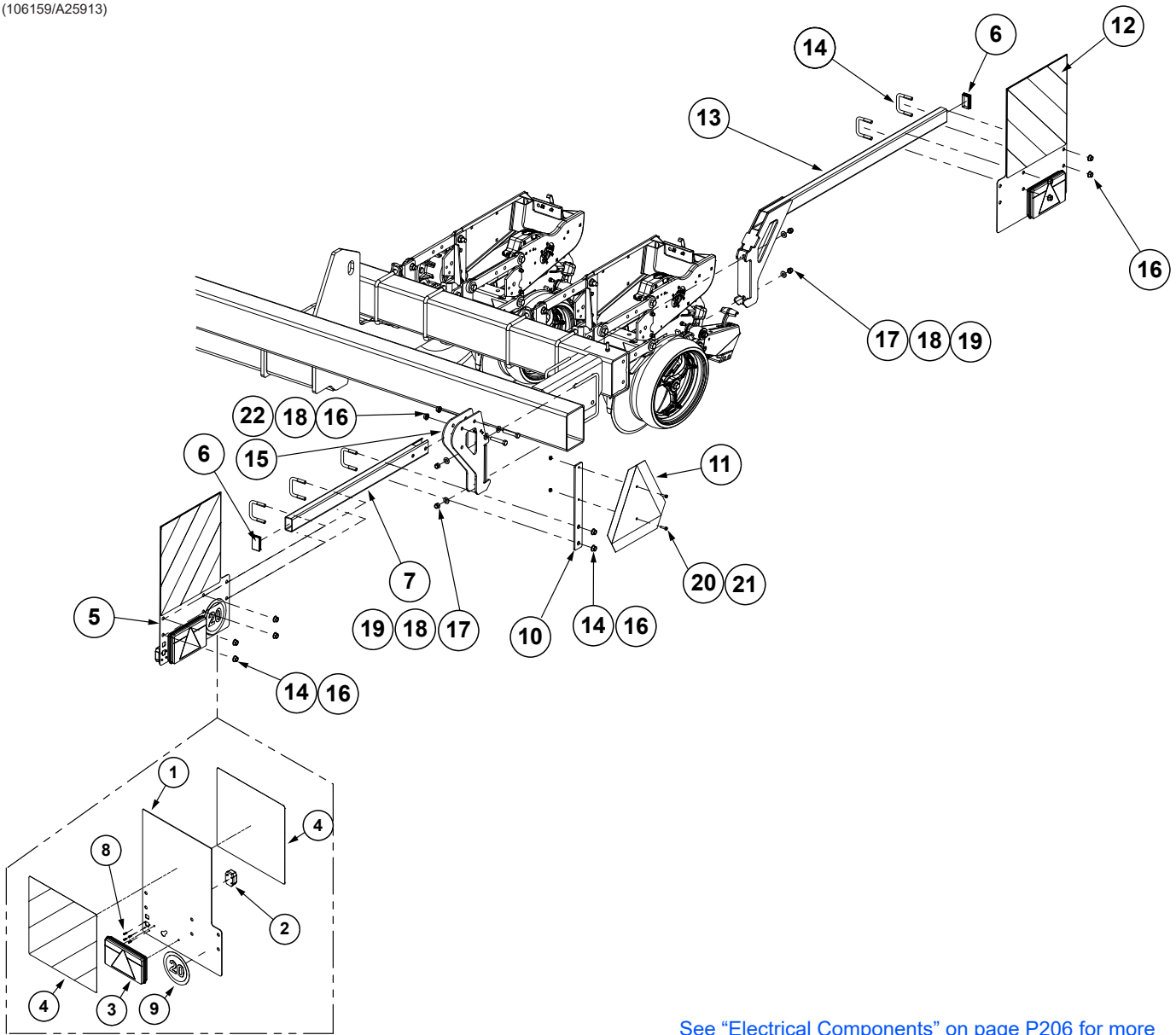
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25922	1	Transportation Catch
2	GA6422	1	Catch Bar
3	GA25722	1	Rod Guide
4	GA9559	1	Cylinder Complete, 1 1/2" x 2 1/2" (Part Number Stamped On Barrel)
5	GA7022	1	Detent Pin W/Chain
6	GD5857	1	Spring
7	GB0218	1	Bushing, 21/32" I.D. x 7/8" O.D. x 19/32" Long
8	GD7137	1	Pin, 3/4" x 3 3/8"
9	GD4743	3	U-Bolt, 3" x 3" x 1/2"-13
10	G10457	2	Cotter Pin, 5/32" x 1 1/2"
11	G10765	1	Spring Pin, 1/4" x 1"
12	G10006	1	Hex Head Cap Screw, 5/8"-11 x 2 1/4"
13	G10037	1	Hex Head Cap Screw, 1/2"-13 x 1 1/4"
14	G10809	1	Hex Head Cap Screw, 3/8"-16 x 3 1/4"
15	G10071	7	Serrated Flange Nut, 1/2"-13
16	G10108	1	Lock Nut, 3/8"-16
17	G10107	1	Lock Nut, 5/8"-11
18	G11391	1	Flat Washer, 5/8" SAE
19	G11389	1	Flat Washer, 1/2" Plated SAE

(106931)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10696001	1	See "Axle Assembly" on page P142
2	GA25717	1	Center Frame
3	GA20688	1	Center Post Assembly
4	GA8911	1	See "Rotation Cylinder" on page P176
5	GA24694	1	See "Lift Cylinder" on page P166
6	GA25725	1	See "Row Marker Sequencing/Flow Control Valve" on page P173
7	GA6497	2	Eccentric Fitting
8	GA6849	1	Pin
9	GA5121	2	Cylinder Pin
10	GD37053	4	Mud Scraper Bar
11	GD30859	1	Clevis Rod
12	GD10532	2	Sleeve
13	GD34081	16	Wear Pad
14	GD34104	1	Hydraulic Hose Bracket
15	GD34015	1	Hose Plate Clamp
16	GD8189	1	Rubber Strip, 3/8"
17	GD2169	16	Special Washer, 25/32" I.D. x 1 1/4" O.D., Hardened
18	GB0230	16	Cap
19	GB0234	16	Adjustment Plug
20	GB0409	2	Spring Washer
21	GR0375	3	Pin, 1" x 3 1/2"
22	GR0193	6	Hair Pin Clip
23	GD24385-02	16	Ribbon Sealer
24	G10026	2	Hex Head Cap Screw, 3/4"-10 x 2"
25	G10014	32	Hex Head Cap Screw, 1/2"-13 x 1"
26	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
27	G11847	1	Bolt, 3/8"-16x2-3/4"
28	G10016	2	Hex Head Cap Screw, 1/2"-13 x 2"
29	G10810	8	Hex Head Cap Screw, 3/4"-10 x 3 1/2", Grade 8
30	G11815	2	Carriage Bolt, 7/16"-14 x 1-1/2", Grade 8
31	G10113	2	Lock Nut, 7/16"-14
32	G10111	2	Lock Nut, 1/2"-13
33	G10108	4	Lock Nut, 3/8"-16
34	G10071	8	Serrated Flange Nut, 1/2"-13
35	G10105	8	Hex Nut, 3/4"-10
36	G11388	2	Flat Washer, 7/16"
37	G10606	1	Spring Pin, 1/4"x 2"
38	G10671	1	Hairpin Cotter, 3/16" x 3 1/4"
39	G10939	1	Hex Head Cap Screw, 3/8"-16 x 2 1/4"
40	G10636	8	Carriage Bolt, 1/2"-13 x 1 1/2"
41	G11389	32	Flat Washer, 1/2" Plated SAE

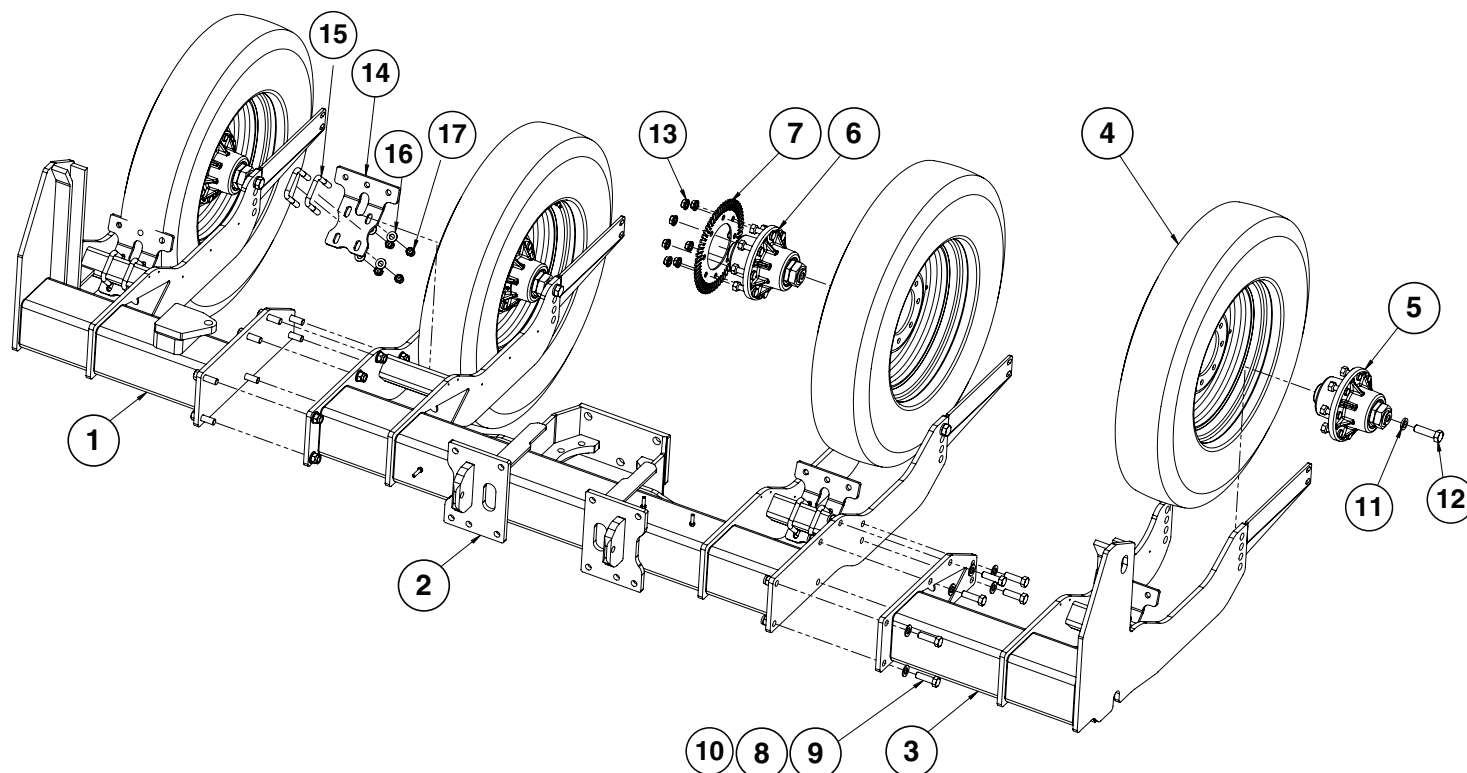
(106159/A25913)



[See “Electrical Components” on page P206 for more information.](#)

ITEM	PART NO.	QTY.	DESCRIPTION
1	GD35713	1	Light Bracket Mount
2	GA25776	1	Tail Light
3	GA25775	1	Brake/Stop/Turn Light
4	G7100-577	2	Reflective Decal
5	GA25913	1	L. H. Lighting
6	G10252301	2	Rectangular Plug
7	GD35743	1	Tube
8	G11556	4	Phillips Pan Head Tapping Screw, 6-19 x 1/2"
9	G7100-578	1	Decal, 20 KM/H
10	GD35729	1	SMV Sign Mounting Bracket
11	GD2199	1	SMV Sign
12	GA25914	1	R. H. Lighting
13	GA25755	1	Light Bracket, R.H.
14	GD13287	5	U-Bolt, 1 1/2" x 2 1/2" x 1/2"-13
15	GA25905	1	Light Bracket, L.H.
16	G10071	12	Serrated Flange Nut, 1/2"-13
17	G10111	4	Lock Nut, 1/2"-13
18	G11389	6	Flat Washer, 1/2" Plated SAE
19	GD11721	2	U-Bolt, 5" x 7" x 1/2"-13
20	G10064	2	Hex Head Cap Screw, 1/4"-20 x 1"
21	G10621	2	Serrated Flange Nut, 1/4"-20
22	G10397	2	Hex Head Cap Screw, 1/2"-13 x 2 3/4"

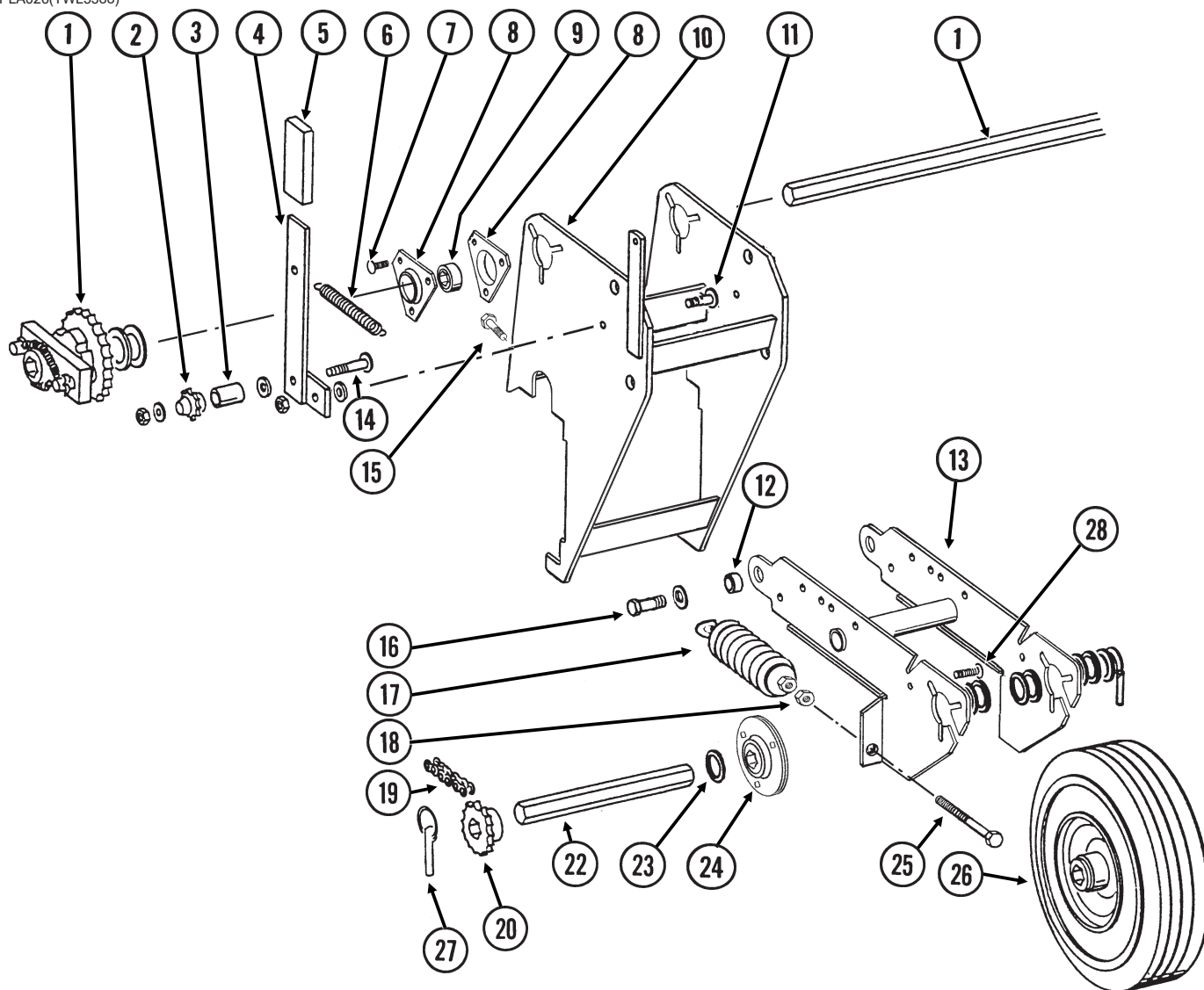
(106960)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10693001	1	Axle Wheel Arm, R. H.
2	G10692901	1	Axle Center
3	G10692801	1	Axle Wheel Arm, L. H.
4	G11194401	4	Tire/Rim Assembly
5	GA4736	3	Hub And Spindle Assembly
6	GA27032	1	Hub And Spindle Assembly
7	GD18643	1	Jump Start
8	G11392	28	Flat Washer, 3/4" SAE
9	G10027	14	Hex Head Cap Screw, 3/4"-10 x 2 1/2"
10	G10112	14	Lock Nut, 3/4"-10
11	G10330	8	Lock Washer, 7/8"
12	G10441	8	Hex Head Cap Screw, 7/8"-9 x 3", Grade 8
13	G11254	8	Serrated Flange Nut, 5/8"-18
14	G11112001	4	Scraper
15	GD14671	8	U-Bolt, 3" x 3" x 5/8"-11
16	G11391	16	Flat Washer, 5/8" SAE
17	G10107	16	Lock Nut, 5/8"-11

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PLA026(TWL5300)



ITEM	PART NO.	QTY. (Per Wheel)	DESCRIPTION
1	---	-	See "Driveline" on page P146
2	GD7426	1	Sprocket, 12 Tooth
3	GD1026	1	Sleeve, 1 $\frac{3}{16}$ " Long
4	GA5157	1	Idler Arm, L.H.
5	GD5827	1	Cover
6	GD5857	1	Spring
7	G10303	3	Carriage Bolt, $\frac{5}{16}$ "-18 x 1"
	G10620	3	Serrated Flange Nut, $\frac{5}{16}$ "-18
8	G3400-01	4	Flangette
9	G2100-03	2	Bearing, $\frac{7}{8}$ " Hex Bore, Spherical
10	GA27095	1	Contact Tire Arm Mount
11	G10004	1	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 1 $\frac{1}{4}$ "
	G10229	1	Lock Washer, $\frac{3}{8}$ "
	G10370	1	Machine Bushing, $\frac{3}{8}$ ", 22 Gauge
	GD5756	1	Special Nut, $\frac{3}{8}$ "-16
12	GB0218	2	Bushing, $2\frac{1}{32}$ " I.D. x $\frac{7}{8}$ " O.D. x $1\frac{19}{32}$ " Long

Contact Wheel and Arm Assembly

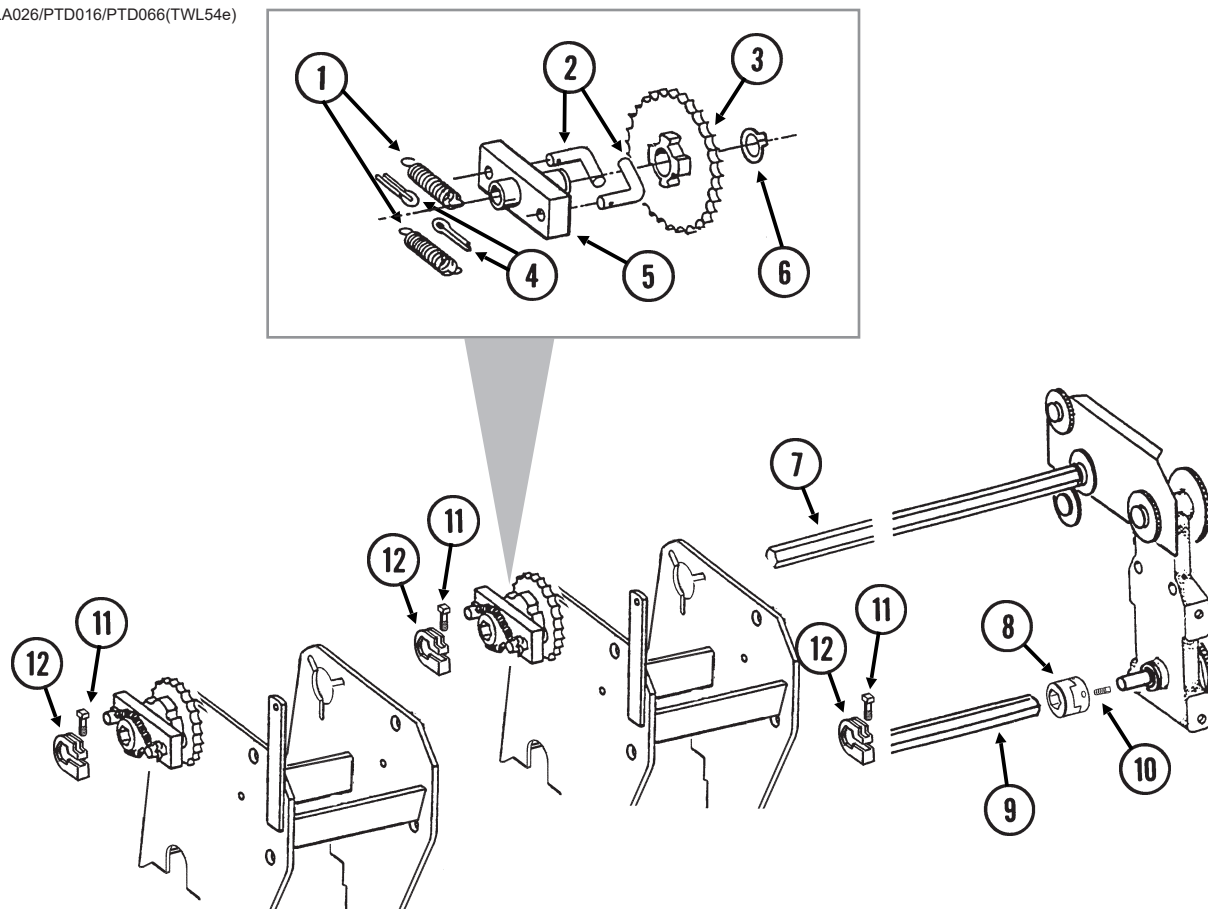
M0311-02

Model 3505

ITEM	PART NO.	QTY. (Per Wheel)	DESCRIPTION
13	A7369	1	Wheel Arm (Non-Stock Item)(Sub G1K253)
14	G10306	1	Carriage Bolt, 3/8"-16 x 2"
	G11387	-	Flat Washer, 3/8" SAE (As Required)
	G10108	1	Lock Nut, 3/8"-16
15	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G10229	2	Lock Washer, 3/8"
	G10101	2	Hex Nut, 3/8"-16
16	G10751	2	Hex Head Cap Screw, 5/8"-18 x 1 3/4"
	G10235	6	Machine Bushing, 7/8", 14 Gauge
	G11391	2	Flat Washer, 5/8" SAE
	G10412	2	Lock Nut, 5/8"-18
17	GA2068	2	Spring W/Plug
18	G10501	2	Hex Jam Nut, 1/2"-13, Grade 2
19	G3310-116	1	Chain, No. 40, 116 Pitch Including Connector Link (Used With 15 And 19 Tooth Sprockets)
	G3310-124	1	Chain, No. 40, 124 Pitch Including Connector Link (Used With 30 Tooth Sprocket)
	GR0912	-	Connector Link, No. 40
20	GA5105	1	Sprocket, 15 Tooth
	GA5107	-	Sprocket, 19 Tooth
	GA5114	-	Sprocket, 30 Tooth
21	G10602	1	Spring Pin, 1/4" x 1 1/2"
22	GD6825-10.5	1	Hex Shaft, 7/8" x 10 1/2" (2 Holes)
23	G10233	6	Machine Bushing, 1 1/2" x 1/32", 10 Gauge
24	GA9846	-	Flanged Bearing, 7/8" Hex Bore
25	G10890	2	Hex Head Adjusting Bolt, 1/2"-13 x 4", Grade 2
26	GA5090	-	Tire And Rim Assembly (Specify Brand*)
	GD5753	1	Tire, 4.10" x 6" (Specify Brand*) (Included W/GA5090)
	GD5752	1	Inner Tube (Included W/GA5090)
27	GD2558	1	Lynch Pin, 1/4"
28	G10303	-	Carriage Bolt, 5/16"-18 x 1"
	G10232	-	Lock Washer, 5/16"
	G10106	6	Hex Nut, 5/16"-18
A	G1K253	-	Contact Wheel Arm Replacement Kit (Items 13, 18, 21, 22, 24, 25, 27 And 28)

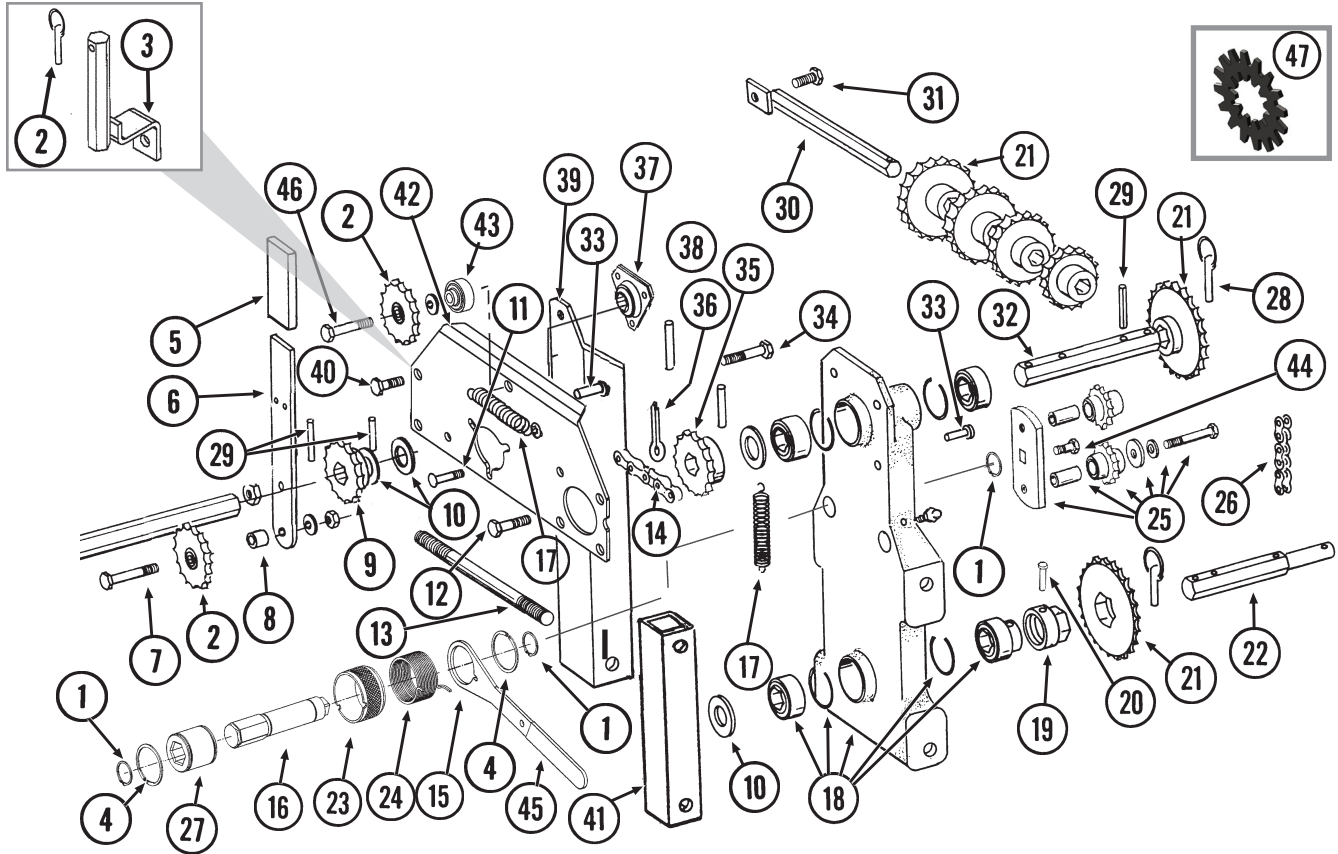
***Specific brand requests will be supplied only as available from current Kinze Repair Parts stock. If a specific brand requested is not in stock, the brand available will be supplied. Different brand tires may have different diameters. Change in tire brand may affect rates. Field checks are recommended after any change in contact tires.**

PTD033/PLA026/PTD016/PTD066(TWL54e)



ITEM	PART NO.	QTY. (Per Planter)	DESCRIPTION
1	GD1256	4	Spring
2	GD1255	4	L-Pin
3	GA5165	2	Sprocket, 30 Tooth
4	G10453	4	Cotter Pin, $\frac{3}{16}$ " x 1"
5	GA0378	2	Block And Hub Assembly
6	G10430	2	External Retaining Ring, 1 $\frac{1}{4}$ "
7	GD35678	-	Hex Shaft, $\frac{7}{8}$ " x 98"
8	GB0287	2	Coupler
9	GD0914-210	-	Hex Shaft, $\frac{7}{8}$ " x 210"
10	G10131	4	Square Head Set Screw, $\frac{5}{16}$ "-18 x $\frac{3}{4}$ "
11	G10130	-	Square Head Machine Bolt, $\frac{5}{16}$ "-18 x 1 $\frac{3}{4}$ "
	G10923	-	Flange Nut, $\frac{5}{16}$ "-18, No Serration
12	GD11045	-	Lock Clamp
A	GA5164	-	Ratchet/Sprocket Assembly (Items 1-6)
B	G1K269	-	Lock Clamp Kit (Items 11 And 12)

(METR34aa/PT8mmPT8LL)



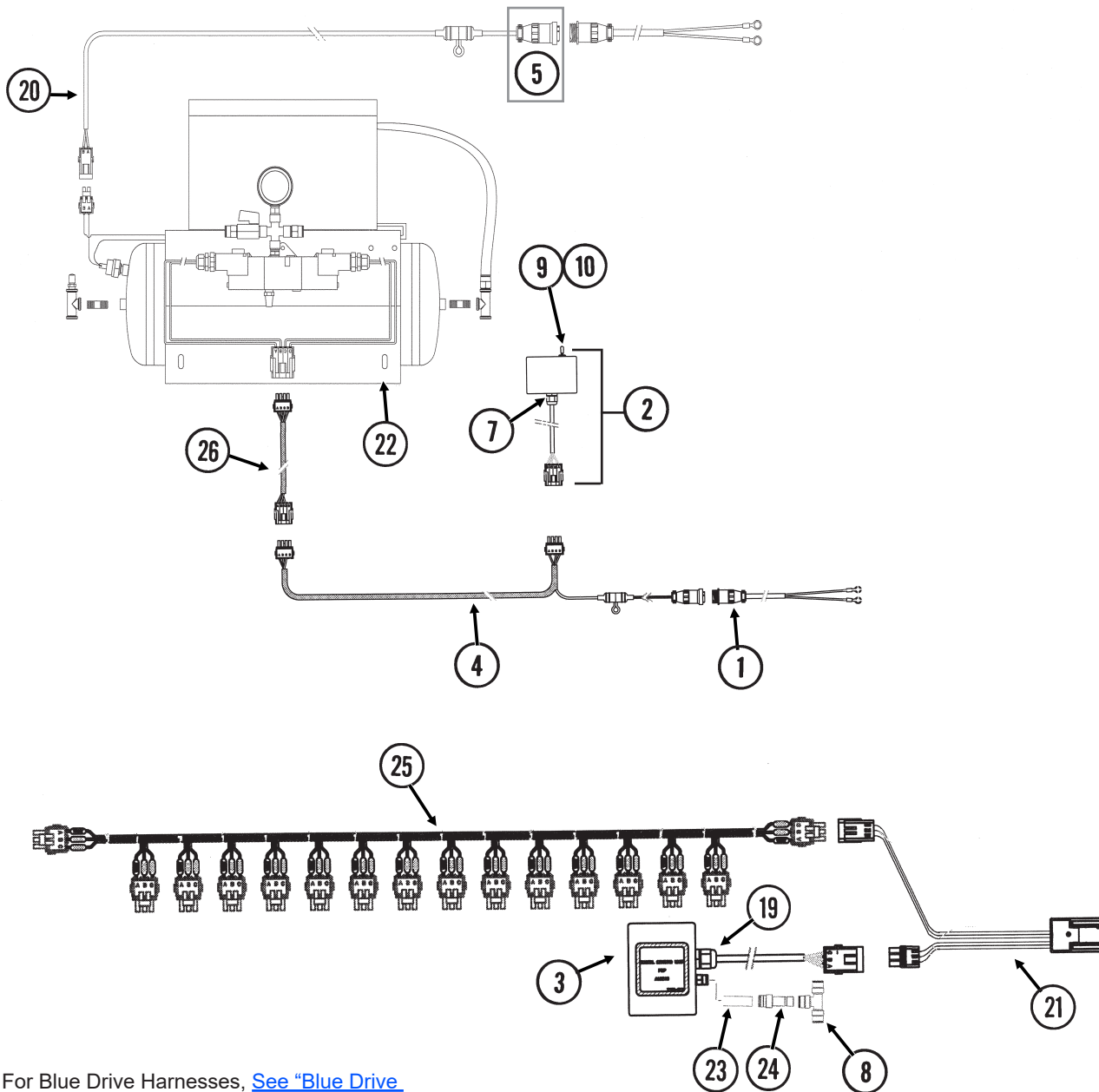
ITEM	PART NO.	QTY.	DESCRIPTION
1	G11075	3	Internal Inverted Snap Ring, 7/8"
2	GD2558	-	Lynch Pin, 1/4"
3	GA12178	1	Additional Sprocket Storage Rod (Vacuum) See Item No. 21 for Sprockets
	G11389	2	Flat Washer, 1/2" Plated SAE
	G10017	1	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
	G10111	1	Lock Nut, 1/2"-13
	G10527	1	Lock Washer, 1/2" Internal/External
4	G10496	2	External Inverted Snap Ring, 1 1/2"
5	GD5827	1	Cover
6	GD31450	1	Arm
7	G10053	1	Hex Head Cap Screw, 1/2"-13 x 2 1/2"
	G10128	-	Machine Bushing, 1/2", 14 Gauge (As Required)
	G10228	1	Lock Washer, 1/2"
	G10102	1	Hex Nut, 1/2"-13
8	GD4887-01	1	Sleeve, 1/2" I.D. x 5/8" Long
9	GA5105	1	Sprocket, 15 Tooth
10	G10233	-	Machine Bushing, 1", 10 Gauge
11	G10303	3	Carriage Bolt, 5/16"-18 x 1"
	G10620	3	Serrated Flange Nut, 5/16"-18
12	G10037	3	Hex Head Cap Screw, 1/2"-13 x 1 1/4"
	G10228	3	Lock Washer, 1/2"
	G10102	3	Hex Nut, 1/2"-13

Continued on the next page.

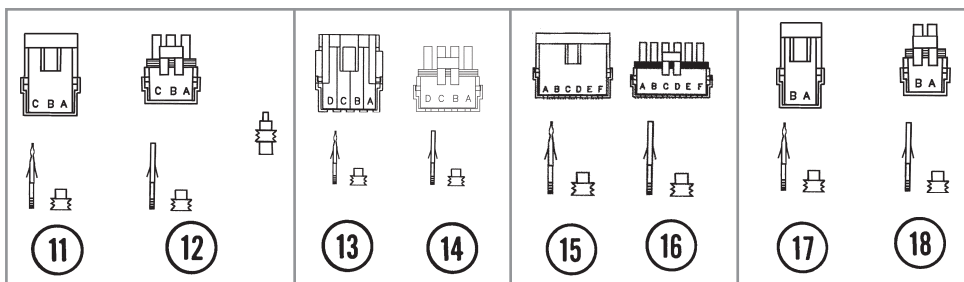
ITEM	PART NO.	QTY.	DESCRIPTION
13	G10177	2	Hex Head Cap Screw, 5/8"-11 x 9 1/2"
	G10230	2	Lock Washer, 5/8"
	G10104	2	Hex Nut, 5/8"-11
14	G3310-92	1	Chain, No. 40, 92 Pitch Including Connector Link
	G3310-108	-	Chain, No. 40, 108 Pitch Including Connector Link (Twin Row only)
	GR0912	-	Connector Link, No. 40
15	GD14431	1	Handle
16	GD14427	1	Tightener Shaft, 4 7/8"
17	GD5857	2	Spring
18	GA5629	1	Transmission Plate W/Bearings, Grease Fittings And Retaining Rings
	GA5116	3	Bearing, 7/8" Hex Bore, Cylindrical (Included W/GA5629)
	GA5624	1	Special Bearing, 7/8" Hex Bore x 1.6" (Included W/GA5629)
	GD6551	4	Ring (Included W/GA5629)
	G10641	-	Grease Fitting, 1/8" NPT (Included W/GA5629)
19	GD7127	1	Shear Coupler
20	G10821	1	Clevis Pin, 3/16" x 2"
	G10455	-	Cotter Pin, 1/16" x 1/2"
21	GA5105	1	Sprocket, 15 Tooth (Vacuum)
	GA5106	1	Sprocket, 17 Tooth (Vacuum)
	GA5107	1	Sprocket, 19 Tooth (Vacuum)
	GA5108	2	Sprocket, 23 Tooth
	GA5109	1	Sprocket, 24 Tooth
	GA5110	1	Sprocket, 25 Tooth
	GA5111	1	Sprocket, 26 Tooth
	GA5112	1	Sprocket, 27 Tooth
	GA5113	1	Sprocket, 28 Tooth
22	GA5114	2	Sprocket, 30 Tooth (Vacuum)
	GD7822	1	Shaft, 7/8" x 7"
23	GD19343	1	Release Collar, Gold, R.H.
24	GD14413	1	Torsion Spring, L.H. (Used On R.H. Wrap Spring Wrench)
25	GA7336	1	Idler W/Bolt-On Sprockets
	GD7426	-	Sprocket, 12 Tooth (Included W/GA7336)
	GD1026	-	Sleeve, 1 3/16" Long (Included W/GA7336)
	G11387	-	Flat Washer, 3/8" SAE (Included W/GA7336)
	G10229	-	Lock Washer, 3/8" (Included W/GA7336)
	G10047	-	Hex Head Cap Screw, 3/8"-16 x 1 3/4" (Included W/GA7336)
26	G3310-80	1	Chain, No. 40, 80 Pitch Including Connector Link
	GR0912	-	Connector Link, No. 40
27	GD14432	1	Sleeve, 1 1/4"
28	GD2558	3	Lynch Pin, 1/4"
29	G10602	5	Spring Pin, 1/4" x 1 1/2"
30	GA5146	1	Sprocket Storage Rod
31	G10017	1	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
	G10527	1	Lock Washer, 1/2" Internal/External
	G10111	1	Lock Nut, 1/2"-13
32	GD5835	1	Shaft, 7/8" x 7"
33	G10870	1	Clevis Pin, 3/8" x 1"
	G10860	1	Retaining Ring, 3/8"
34	G10004	1	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G10229	1	Lock Washer, 3/8"
	G10203	-	Washer, 3/8" SAE (As Required)
	GD15538	-	Spacer, 3/8" I.D. x 7/8" O.D., 7 Gauge
	GD5756	1	Special Nut, 3/8"-16
35	GA5108	-	Sprocket, 23 Tooth, (Vacuum)
	GA6514	-	Sprocket, 46 Tooth, (Twin Row only)

ITEM	PART NO.	QTY.	DESCRIPTION
36	G10460	1	Cotter Pin, ¼" x 2"
37	GA7841	1	Bearing, ⅞" Hex Bore, Spherical
38	G3400-01	2	Flangette
39	GD5830	1	Angle Support, R.H.
40	G10017	2	Hex Head Cap Screw, ½"-13 x 1½"
	G10228	2	Lock Washer, ½"
	G10102	2	Hex Nut, ½"-13
41	GD9047	1	Spacer
42	GD16302	-	Reverser Plate
43	GB0259	-	Spacer, 1"
44	G11100	1	Hex Socket Button Head Cap Screw, ¼"-20 x ½", Grade 8
	G10227	1	Lock Washer, ¼"
	G11453	1	Fender Washer, ¼"
45	G11078	1	Vinyl Cap
46	G10038	1	Hex Head Cap Screw, ½"-13 x 3"
	G10128	-	Machine Bushing, ½", 14 Gauge (As Required)
	G10228	1	Lock Washer, ½"
	G10102	1	Hex Nut, ½"-13
47	G10527	1	Lock Washer, ½" Internal/External
A	G1K378	1	Wrap Spring Wrench Replacement Kit, Gold Collar, R.H. (Items 1, 4, 15, 16, 23, 24, 27, 44, And 45)

(PNE01/MTR27a/ELC27b/MTR45/MTR27t)

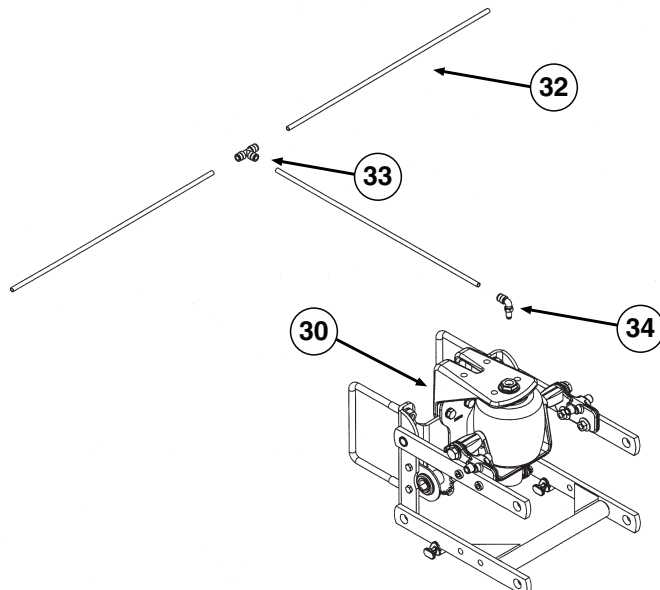
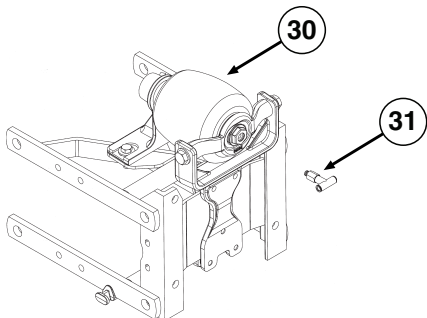
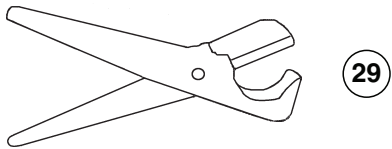
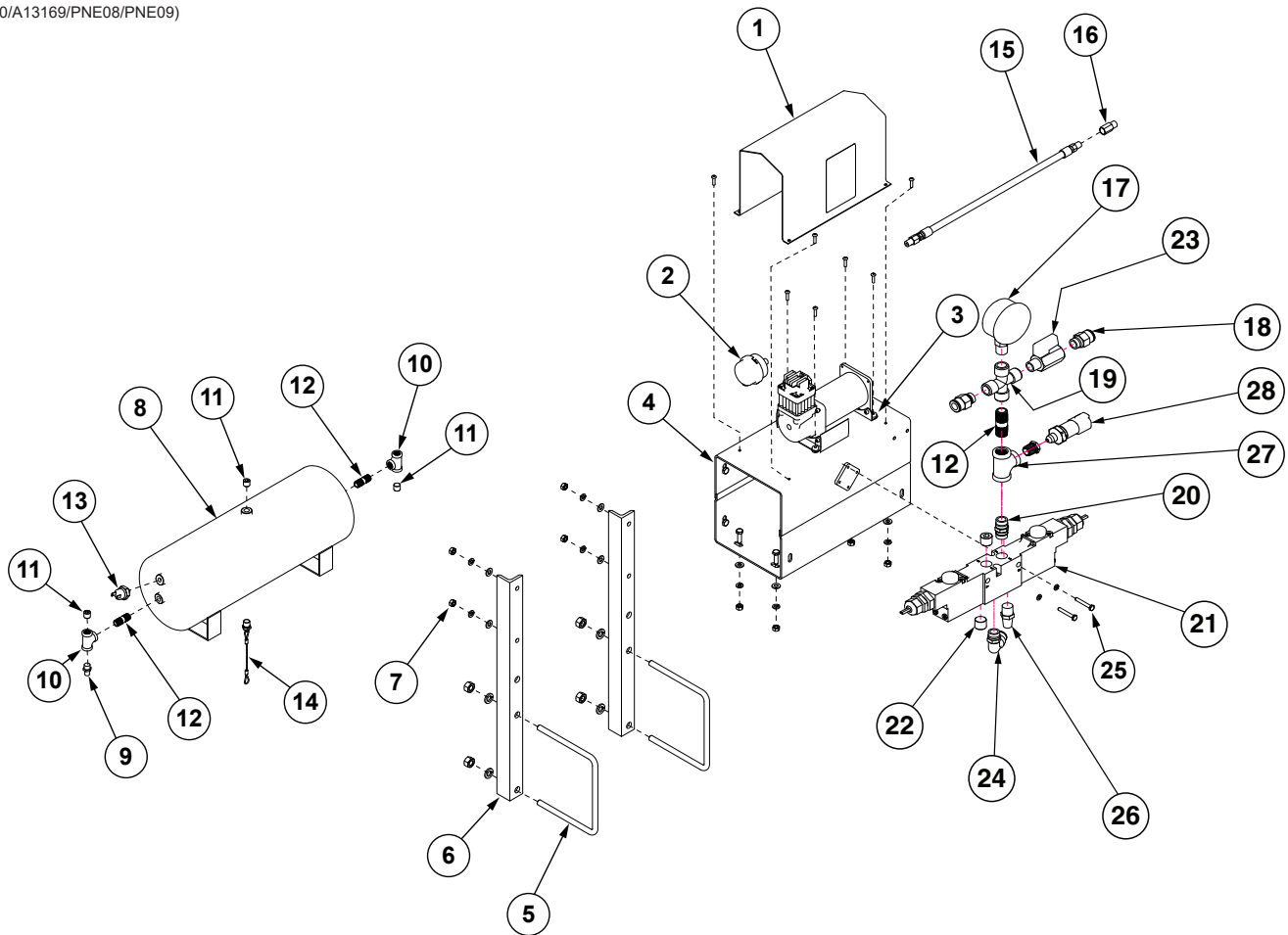


For Blue Drive Harnesses, [See “Blue Drive Interconnect” on page P224](#)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA17547	2	Power Lead Adapter
2	GA12813	1	Control Console Assembly
3	GA14846	1	Sending Unit
4	GA13944	1	Wiring Harness W/Fuse Holder And Fuse, 206" (Ground Contact Drive)
	GD14258	-	Fuse Holder (Included W/GA12645)
	GD14660	-	Fuse, 2 Amp Delay Action (Included W/GA12645)
5	G1K268	-	Console Cable Connector Kit, Includes: (1) 3-Pin Connector, (1) Cable Clamp, (1) Lock Ring, (3) Female Terminal Pins
6	---	-	---
7	GA9963	1	Strain Relief
8	GD18010	1	Tee, 3/8" Tube Union
9	GR1363	1	Hex Face Nut, 15/32"-32
10	GA6978	1	Switch, 3 Position Toggle, ON-OFF-ON
11	G1K248	-	3-Pin Female Connector Kit (Black), Includes: (3) 3-Pin Female Housings, (9) Pin Contacts, (9) Seals
12	G1K252	-	3-Pin Male Connector Kit (Black), Includes: (3) 3-Pin Male Housings, (9) Socket Contacts, (9) Seals
13	GA8328	-	4-Pin Female Connector Kit, Includes: (1) 4-Pin Female Housing, (4) Pin Contacts, (4) Seals
14	GA8329	-	4-Pin Male Connector Kit, Includes: (1) 4-Pin Male Housing, (4) Socket Contacts, (4) Seals
15	G1K396	-	6-Pin Female Connector Kit (Black), Includes: (3) 6-Pin Female Housings, (18) Pin Contacts, (18) Seals
16	G1K395	-	6-Pin Male Connector Kit (Black), Includes: (3) 6-Pin Male Housings, (18) Socket Contacts, (18) Seals
17	G1K321	-	2-Pin Female Connector Kit (Black), Includes: (3) 2-Pin Female Housings, (6) Pin Contacts, (6) Seals
18	G1K320	-	2-Pin Male Connector Kit (Black), Includes: (3) 2-Pin Male Housings, (6) Socket Contacts, (6) Seals
19	GA9964	2	Strain Relief
20	GA16391	1	Compressor Harness, 40'
21	GA12812	1	Hall Effect Adapter
22	---	-	See "Pneumatic Down Pressure Air Compressor, Dual Solenoid Assembly, Tubing, and Fittings" on page P152
23	GD17151-06	1	Nylon Tubing, 1/4" O. D. x 1 1/2"
24	GD18796	1	Reducer, 3/8" To 1/4"
25	---	-	See "KPM III Electronic Seed Monitor" on page P208
26	GA12858	1	Wiring Harness, 60'

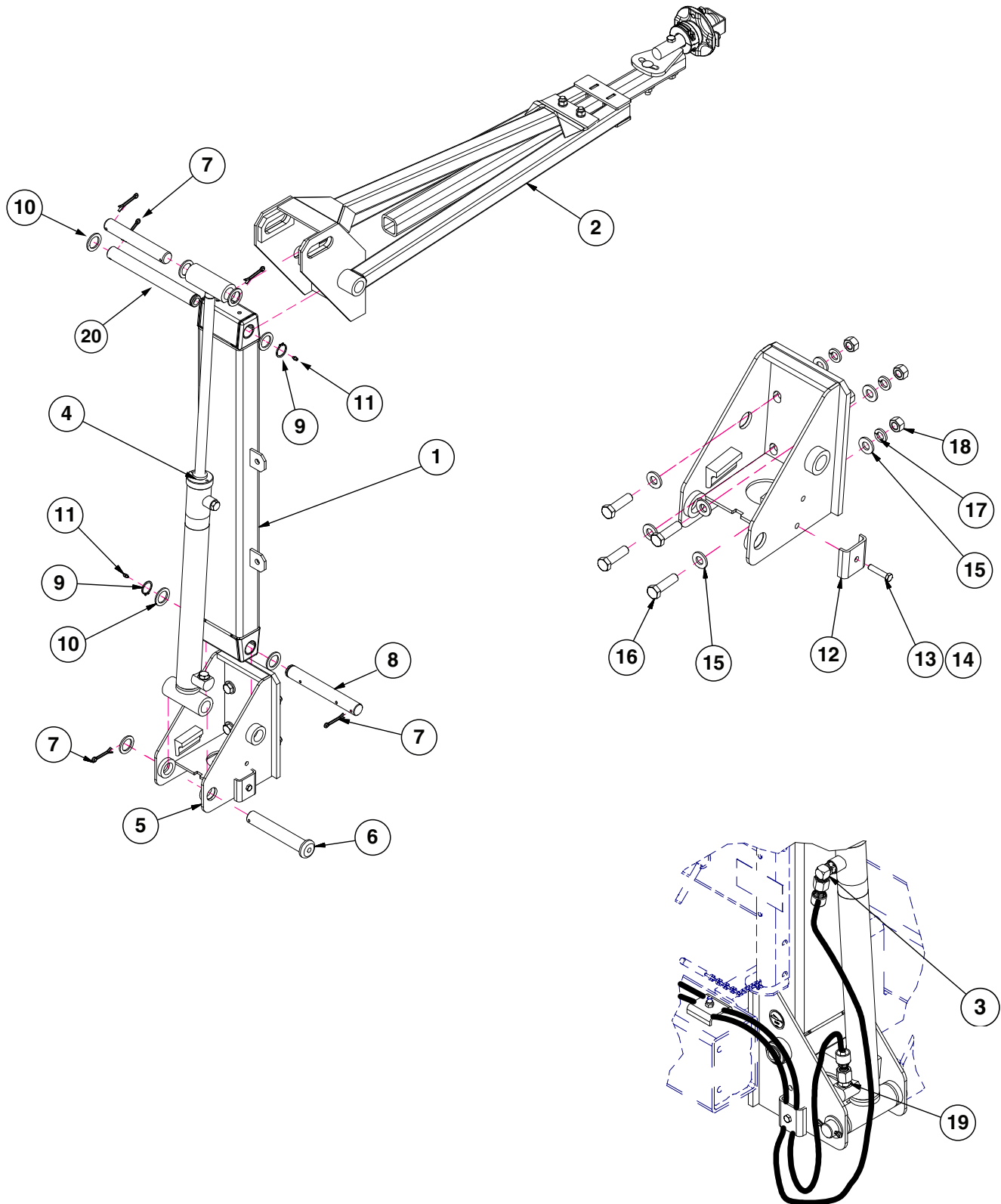
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Pneumatic Down Pressure Air Compressor, Dual Solenoid Assembly, Tubing, and Fittings

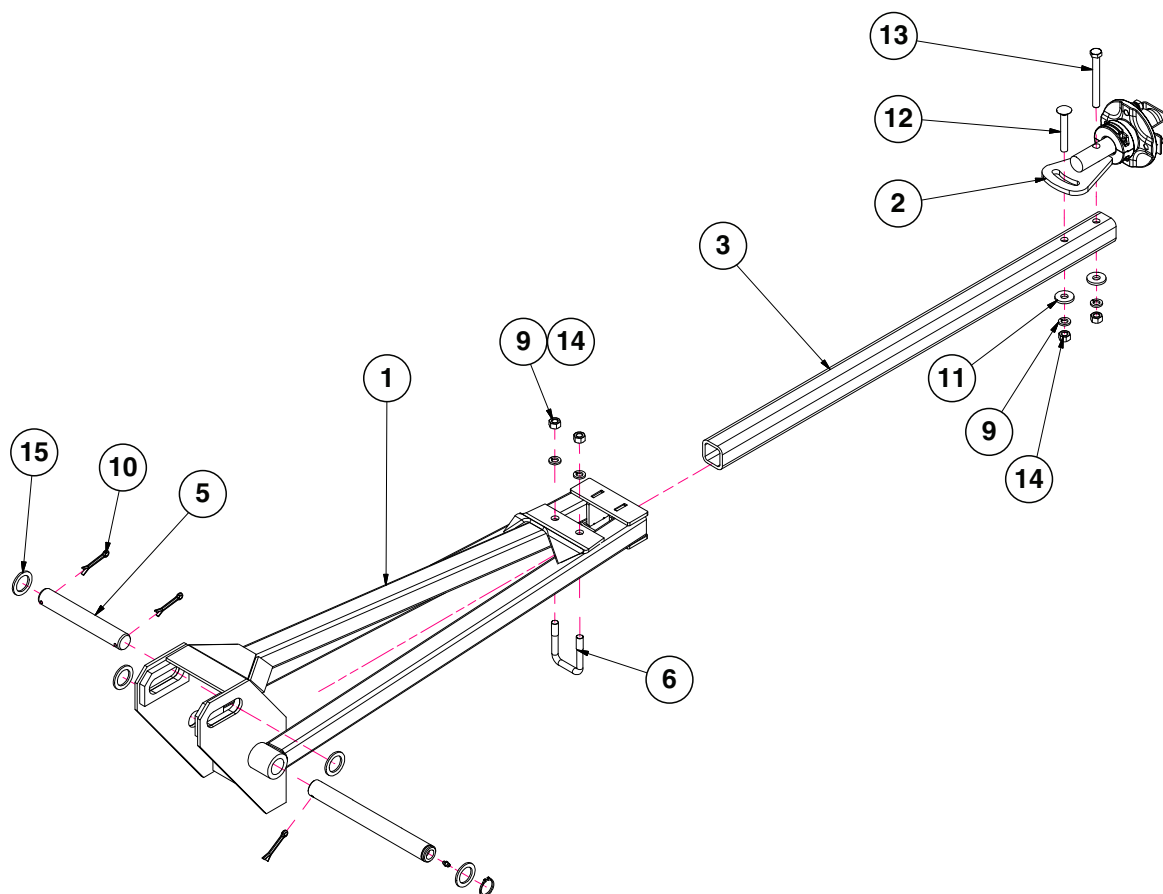
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD18112	1	Cover
	G11066	8	Phillips Pan Head Machine Screw, No. 10-24 x ¾", Stainless Steel
	G10992	8	Serrated Flange Nut, No. 10-24
	G10371801	2	Tank Drain Decal
2	GA14127	1	Filter Assembly
	GR1943	1	Filter (Included W/GA14127)
3	GA22273	1	Air Compressor
	G11066	4	Phillips Pan Head Machine Screw, No. 10-24 x ¾", Stainless Steel
	G10992	4	Serrated Flange Nut, No. 10-24
4	GA12358	1	Mount
	G10019	4	Hex Head Cap Screw, ⅝"-18 x 1"
	G10232	4	Lock Washer, ⅝"
	G11386	4	Flat Washer, ⅝" SAE
	G10106	4	Hex Nut, ⅝"-18
5	GD11721	2	U-Bolt, 5" x 7" x ½"-13
	G10228	4	Lock Washer, ½"
	G10102	4	Hex Nut, ½"-13
6	GD18119	2	Compressor Mount
7	G10106	4	Hex Nut, ⅝"-18
	G10232	4	Lock Washer, ⅝"
	G11386	4	Flat Washer, ⅝" SAE
	G10019	4	Hex Head Cap Screw, ⅝"-18 x 1"
8	GA11988	1	Tank, 3 Gallon
9	GA13512	1	Valve Stem, ¼" NPT
10	GD19237	2	Tee, ¼" NPT
11	GD17156	3	Plug, ¼" NPT
12	GD19238	2-3	Nipple, ¼" NPT (Blue Drive Only in the Solenoid Assembly (Items 17-28))
13	GR1778	1	Pressure Switch
14	GA11991	1	Drain, ¼" NPT
15	GR1951	1	Leader Hose without Check Valve
16	GR1921	1	Check Valve
17	GA12104	1	Pressure Gauge
18	GD17141	2	Connector, ¼" Male
19	GD18078	1	Female Cross, ¼" NPT
20	GD17154	1	Connector, ¼" Male
21	GA22793	1	Dual Solenoid Assembly
22	GD17156	2	Plug, ¼" NPT
23	GA11992	1	Shutoff Valve, ¼" NPT
24	GD17143	1	Swivel Elbow, ¼" NPT x ⅜"
25	G10040	2	Hex Head Cap Screw, ¼"-20 x 1¾"
	G10227	2	Lock Washer, ¼"
26	GA11997	1	Breather, ¼" NPT
27	GD19237	1	Tee, Galvanized, 1/4" NPT x NPT (Blue Drive Only)
28	GA14804	1	Pressure Sensor (0-120 PSI) (Blue Drive Only)
	GD18041	1	Bushing, Hex, 1/4" Male NPT x 1/8" Female NPT (Blue Drive Only)
29	GA13169	1	Tube Cutter W/Blade
	GR1843	-	Blade
30	---	-	See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Force Springs Option" on page P5
31	GD18274	-	Tee, ⅜" x ⅝" NPT Extended, Push Row Unit
32	GD17150-02	-	Nylon Tubing, ⅜" O.D. x 44', 8 Row Pull Row Units
	GD17150-10	-	Nylon Tubing, ⅜" O.D. x 40', 7 Row Push Row Units
	GD17150-12	-	Nylon Tubing, ⅜" O.D. x 5', Even-Row Push Row Unit
33	GD18010	-	Tee, ⅜" Tube Union
34	GD18011	-	Elbow, ⅜" x ⅝" NPT Extended
35	GR2233	-	Vibration Isolator Gromet, 4 Pack
A	GA12626	1	Air Compressor Assembly (Items 1-4, 8-14)
B	GA22793	-	Valve Seal Kit

(A25727)



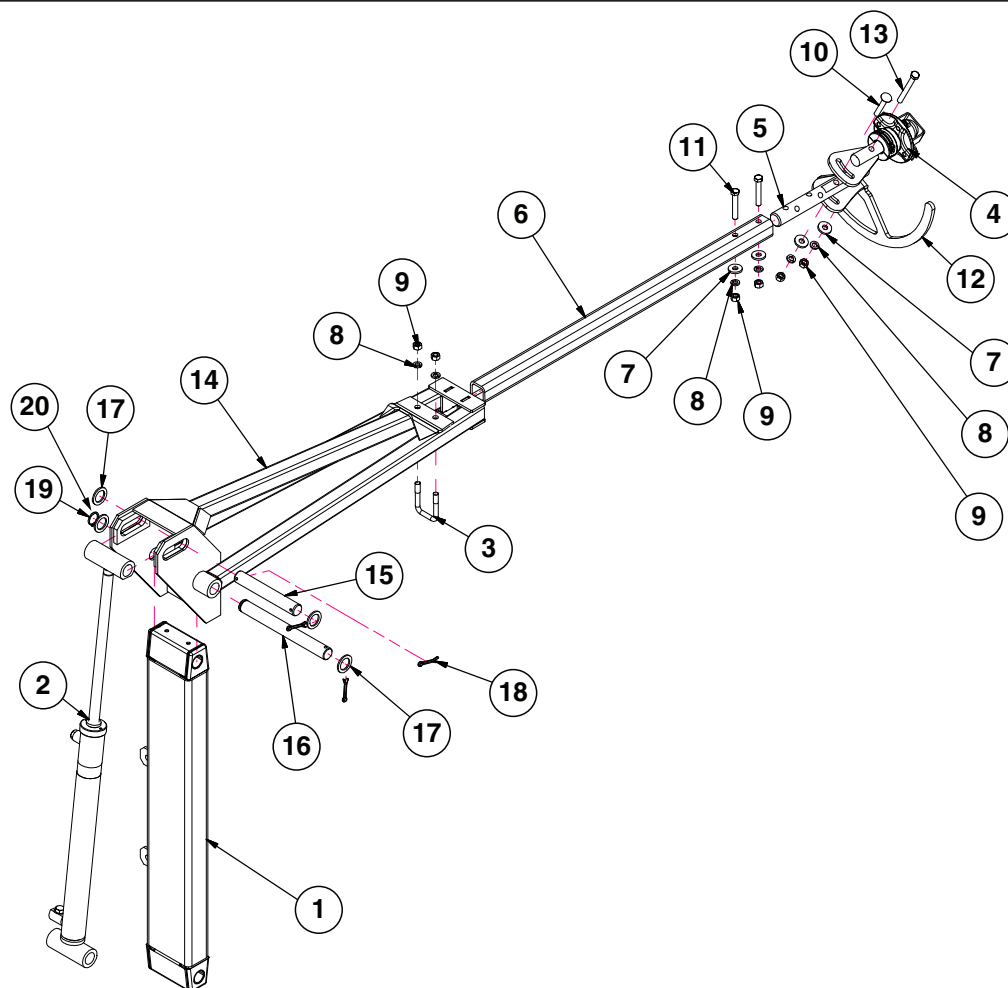
ITEM	PART NO.	QTY. (Per Marker)	DESCRIPTION
1	GA26527 GA26528 GD11751	1 - 4	1st Stage Marker, R.H. 1st Stage Marker, L.H. Bushing
2	---	-	See "Row Marker Spindle/Hub/Blade" on page P160
3	G6801-08	2	Elbow W/O-Ring, 90°, 3/4"-16 Male JIC To O-Ring
4	---	-	See "Row Marker Cylinder" on page P168
5	GA6859	1	Marker Mount
6	GD15386	1	Pin, 1 1/4" x 7 5/8"
7	G10460	3	Cotter Pin, 1/4" x 2"
8	GD21143	1	Marker Pin, 1 1/4" x 9 1/2"
9	G11400	2	Retaining Ring, 1 1/4"
10	G10159	7	Washer, 1 7/8", 10 Gauge (.1345")
11	G10640	2	Grease Fitting, 1/4"-28
12	GD5875	1	Hose Clamp, 9/16" x 2 1/2" x 2"
13	G10047	1	Hex Head Cap Screw, 3/8"-16 x 1 3/4"
14	G10108	1	Lock Nut, 3/8"-16
15	G11391	8	Flat Washer, 5/8" SAE
16	G10006	4	Hex Head Cap Screw, 5/8"-11 x 2 1/4"
17	G10230	4	Lock Washer, 5/8"
18	G10104	4	Hex Nut, 5/8"-11
19	G6400-08	2	Adapter, 3/4-16 JIC, 3/4-16 O-Ring
20	GD21142	1	Marker Pin, 1 1/4" x 13/16"

(A26522)



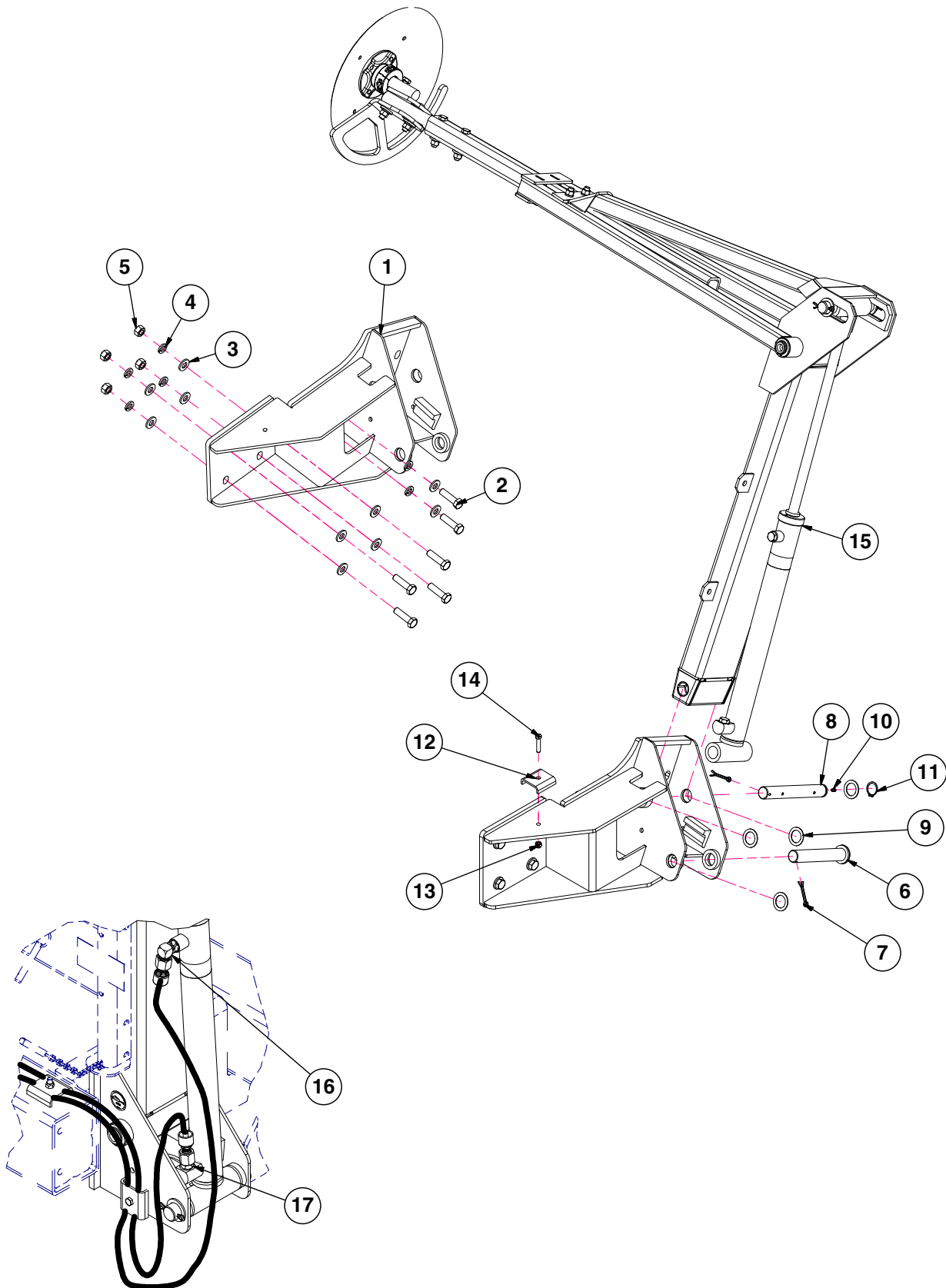
ITEM	PART NO.	QTY. (Per Marker)	DESCRIPTION
1	GA25919	1	2nd Stage Marker Arm
2	---	-	See "Row Marker Spindle/Hub/Blade" on page P160
3	D0453-02	1	Extension Tube, 40" (101,6 cm)
-	---	-	---
5	GD2161	1	Pin, 1 1/4" x 8 1/4"
6	GD2721	1	U-Bolt, 2" x 2" x 1/2"-13
-	---	-	---
-	---	-	---
9	G10228	4	Lock Washer, 1/2"
10	G10460	2	Cotter Pin, 1/4" x 2"
11	G10168	2	Machine Bushing, 1/2", 7 Gauge (.1793")
12	G10844	1	Carriage Bolt, 1/2"-13 x 3 1/2"
13	G10045	1	Hex Head Cap Screw, 1/2"-13 x 4 1/2"
14	G10102	4	Hex Nut, 1/2"-13
15	G10159	2	Washer, 1 7/8", 10 Gauge (.1345")

(A25731)



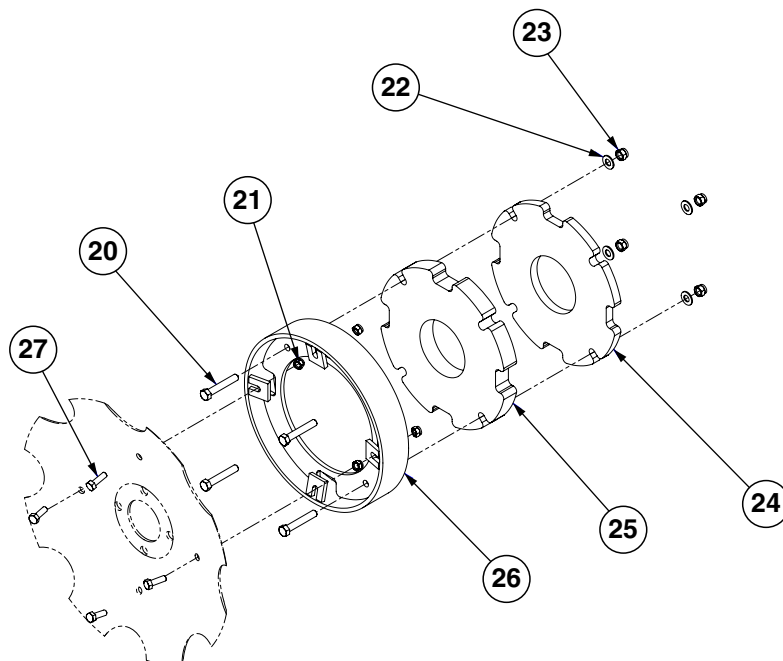
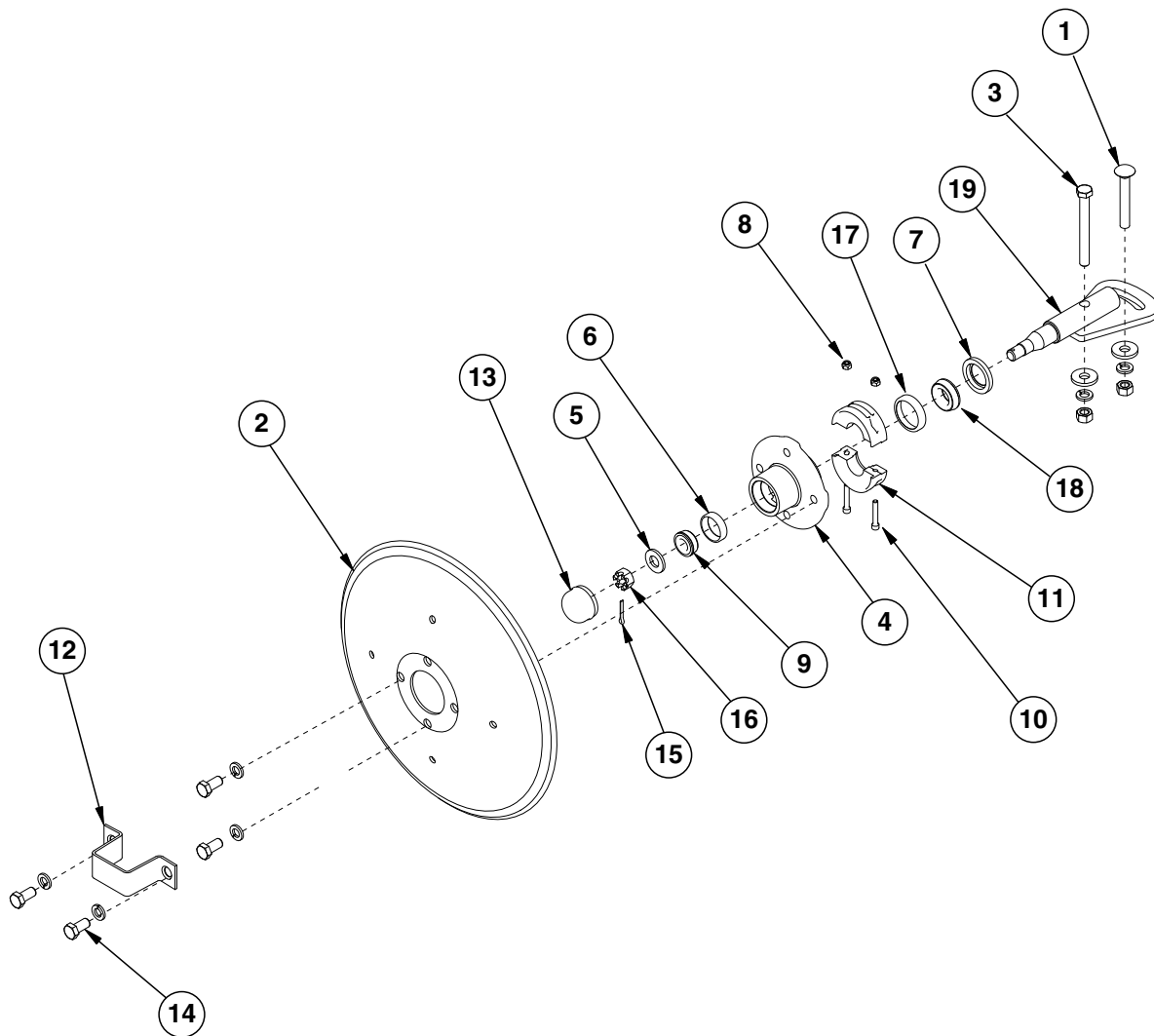
ITEM	PART NO.	QTY. (Per Marker)	DESCRIPTION
1	GA26528 GA26527	1 -	1st Stage Marker, L.H. 1st Stage Marker, R.H.
2	---	-	See "Row Marker Cylinder" on page P168
3	GD2721	1	U-Bolt, 2" x 2" x 1/2"-13
4	---	-	See "Row Marker Spindle/Hub/Blade" on page P160
5	GD34287	1	Marker Mount
6	GD0453-02	1	Extension Tube, 40"
7	G10168	4	Machine Bushing, 1/2", 7 Gauge (.1793")
8	G10228	6	Lock Washer, 1/2"
9	G10102	6	Hex Nut, 1/2"-13
10	G10314	1	Carriage Bolt, 5/16"-18 x 3/4"
11	G10038	2	Hex Head Cap Screw, 1/2"-13 x 3"
12	GD34763	1	Bump Plate Guard
13	G10045	1	Hex Head Cap Screw, 1/2"-13 x 4 1/2"
14	GA25919	1	2nd Stage Marker Arm
15	GD2161	1	Pin, 1 1/4" x 8 1/4"
16	GD21142	1	Marker Pin, 1 1/4" x 13/16"
17	G10159	4	Washer, 1 1/8", 10 Gauge (.1345")
18	G10460	3	Cotter Pin, 1/4" x 2"
19	G11400	1	Retaining Ring, 1 1/4"
20	G10640	1	Grease Fitting, 1/4"-28

(A25729)



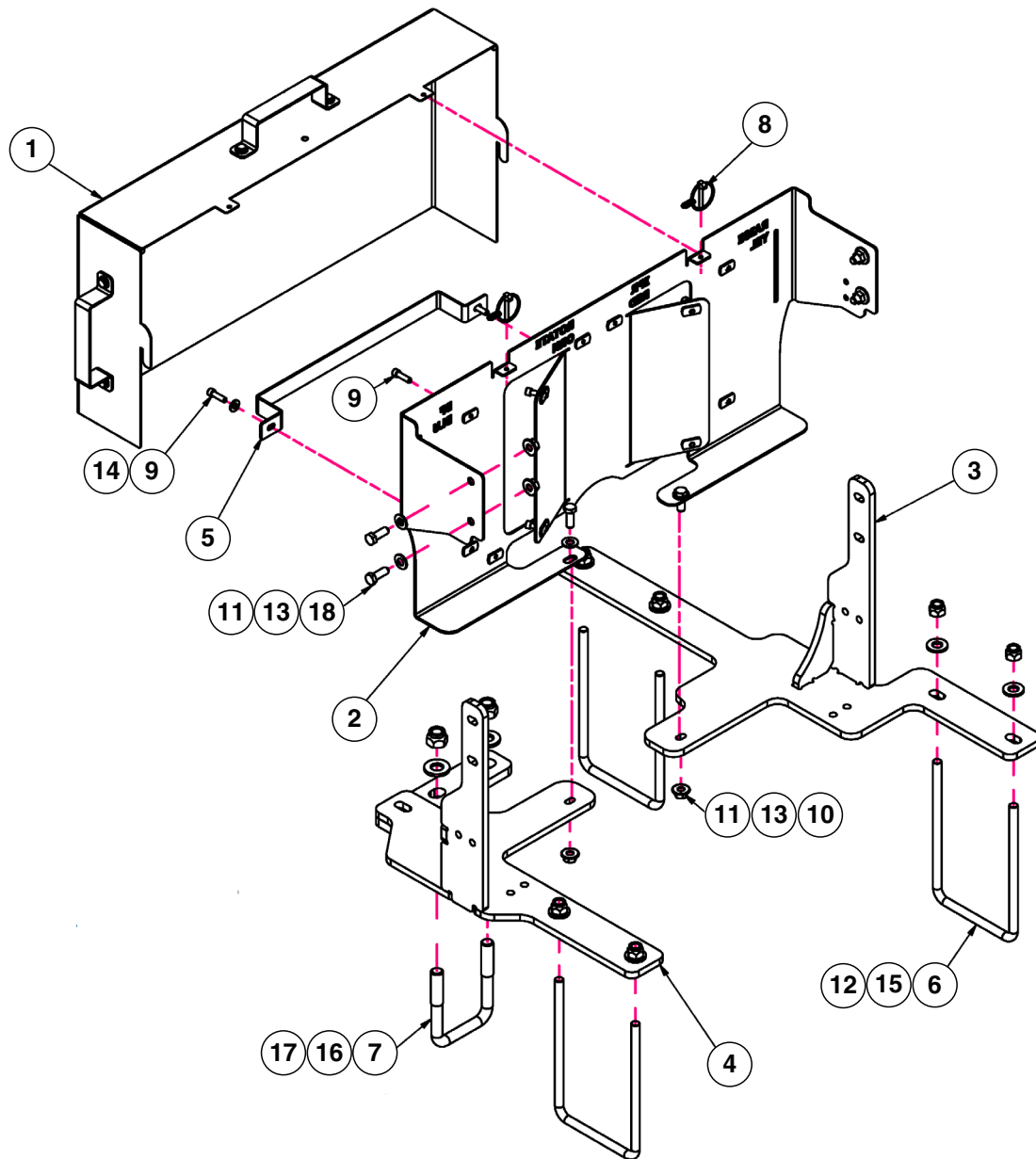
ITEM	PART NO.	QTY. (Per Marker)	DESCRIPTION
1	GA24513	1	Marker Mount
2	G10006	6	Hex Head Cap Screw, 5/8"-11 x 2 1/4"
3	G11391	10	Flat Washer, 5/8" SAE
4	G10230	6	Lock Washer, 5/8"
5	G10104	4	Hex Nut, 5/8"-11
6	GD15386	1	Pin, 1 1/4" x 7 5/8"
7	G10460	2	Cotter Pin, 1/4" x 2"
8	GD21143	1	Marker Pin, 1 1/4" x 9 1/2"
9	G11334	4	Washer, 1 1/8", 14 Gauge (.0747")
10	G10640	1	Grease Fitting, 1/4"-28
11	G11400	1	Retaining Ring, 1 1/4"
12	GD5875	1	Hose Clamp, 9/16" x 2 1/2" x 2"
13	G10108	1	Lock Nut, 3/8"-16
14	G10047	1	Hex Head Cap Screw, 3/8"-16 x 1 3/4"
15	---	-	See "2nd Stage Marker Assembly (Bulk Fill)" on page P157
16	G6801-08	2	Elbow W/O-Ring, 90°, 3/4"-16 Male JIC To O-Ring
17	G6400-08	2	Adapter, 3/4-16 JIC, 3/4-16 O-Ring

(IP1035aa)



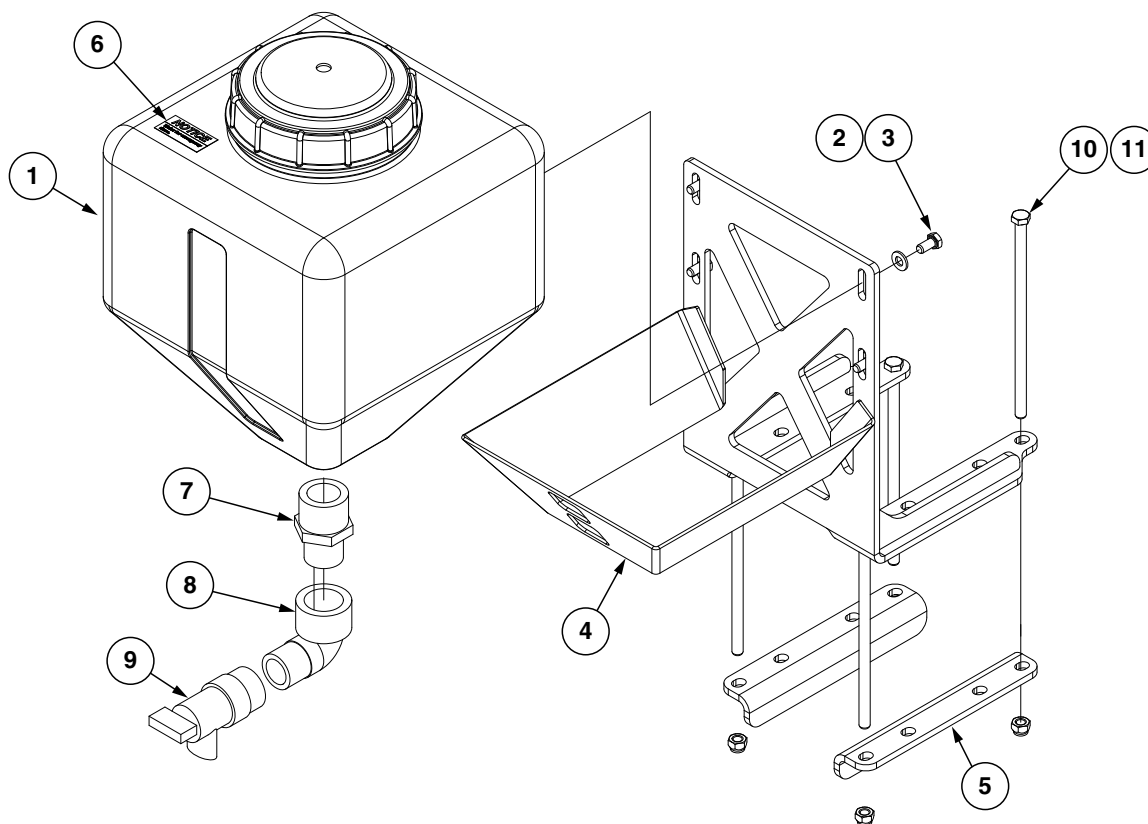
ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	G10844	1	Carriage Bolt, 1/2"-13 x 3 1/2"
	G10168	2	Machine Bushing, 1/2", 7 Gauge
	G10228	2	Lock Washer, 1/2"
	G10102	2	Hex Nut, 1/2"-13
2	GD0746	1	Disc Blade, Smooth, 16" (Shown)
	GD10283	-	Disc Blade, Notched, 16" (Optional)
3	G10045	1	Hex Head Cap Screw, 1/2"-13 x 4 1/2"
	G10168	2	Machine Bushing, 1/2", 7 Gauge
	G10228	2	Lock Washer, 1/2"
	G10102	2	Hex Nut, 1/2"-13
4	GA26876	1	Hub W/Cups, 4 Bolt (Includes Items 6 and 17)
5	G11391	1	Flat Washer, 5/8" SAE
6	GR0151	1	Outer Cup
7	GD21540	1	Grease Seal (Included W/ Item 4)
8	G10110	2	Lock Nut, 1/4"-20, Grade B
9	GA0257	1	Bearing (Included W/ Item 4)
10	G11418	2	Hex Socket Head Cap Screw, 1/4" x 1 1/2"
11	GB0554	2	Hub Shield
12	GD2597	1	Retainer
13	GD0840	1	Dust Cap
14	G10722	4	Hex Head Cap Screw, 1/2"-20 x 1"
	G10228	4	Lock Washer, 1/2"
15	G10544	1	Cotter Pin, 5/32" x 1"
16	G10725	1	Slotted Hex Nut, 5/8"-18
17	GR0150	1	Inner Cup
18	GA0245	1	Bearing (Included W/ Item 4)
19	GA15151	1	Spindle
20	G10939	4	Hex Head Cap Screw, 3/8"-16 x 2 1/4"
21	G10109	4	Lock Nut, 5/16"-18, Grade 8
22	G11387	4	Hardened Washer, 3/8" SAE
23	G10108	4	Lock Nut, 3/8"-16
24	G10428601	1	Marker Weight, 1/2"
25	G10428701	1	Marker Weight, 1"
26	G10428401	1	Weighted Depth Band
27	G10019	4	Hex Head Cap Screw, 5/16"-18 x 1"
A	GA26909	-	Hub And Spindle Assembly, (Items 4-19)

(100190)



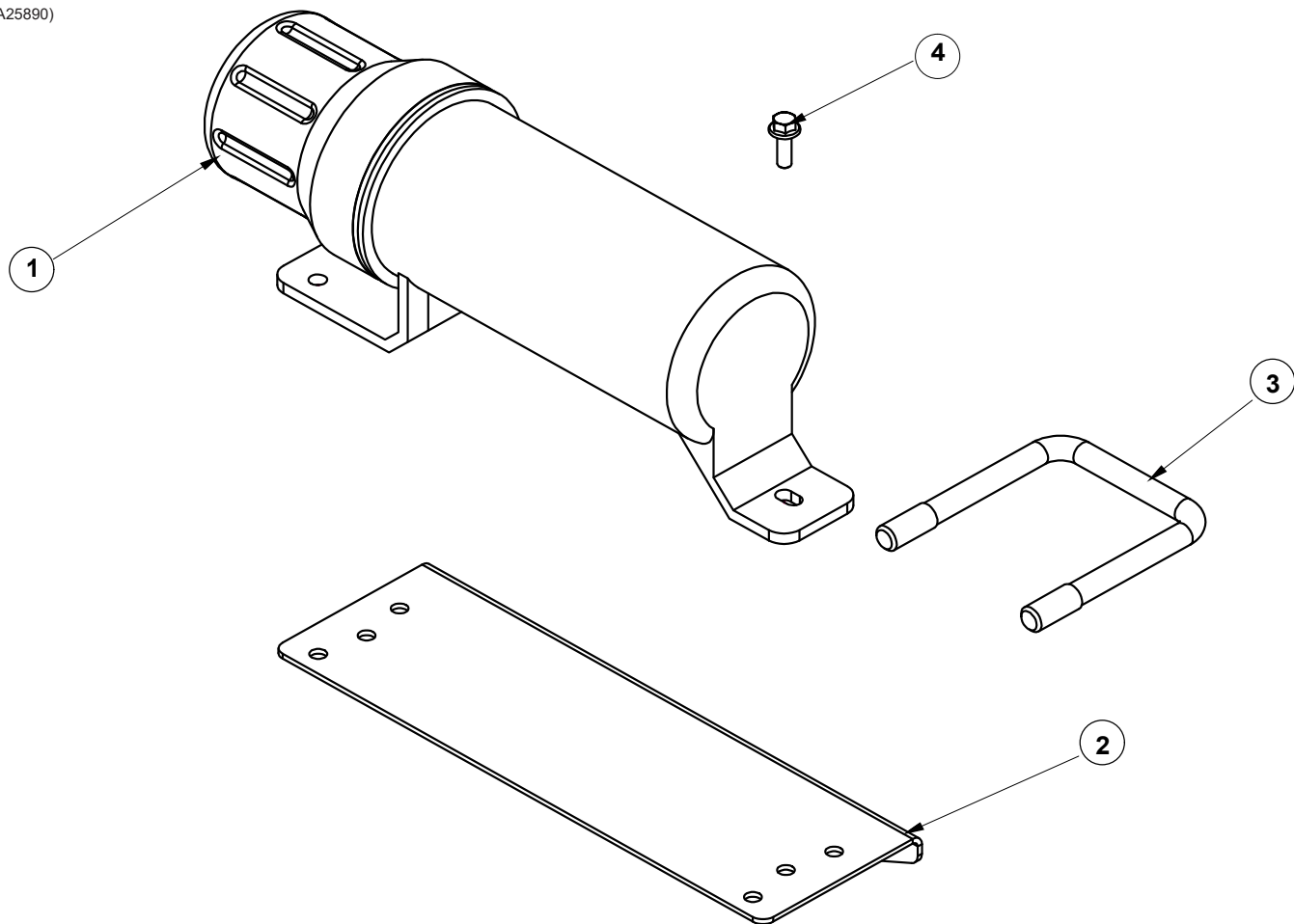
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA26746	1	Module Cover Assembly
2	GA26742	1	Module Mount
3	G10062201	1	Mounting Bracket, R.H.
4	G10062101	1	Mounting Bracket, L.H.
5	GD36727	1	Module Harness Loop
6	GD8306	3	U-Bolt, 7" x 5" x 1/2"-13
7	GD14671	1	U-Bolt, 3" x 3" x 5/8"-11
8	G11339	2	Pin W/Chain
9	G10252	10	Hex Socket Head Cap Screw, 1/4"-20 x 7/8", Grade 8
10	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
11	G11091	6	Serrated Flange Nut, 3/8"-16
12	G10111	6	Lock Nut, 1/2"-13
13	G11387	6	Flat Washer, 3/8" SAE
14	G11385	2	Flat Washer, 1/4" SAE
15	G11389	6	Flat Washer, 1/2" Plated SAE
16	G11391	2	Flat Washer, 5/8" SAE
17	G10107	2	Lock Nut, 5/8"-11
18	G10004	4	Hex Head Cap Screw, 3/8"-16 x 1 1/4"

(A21003)



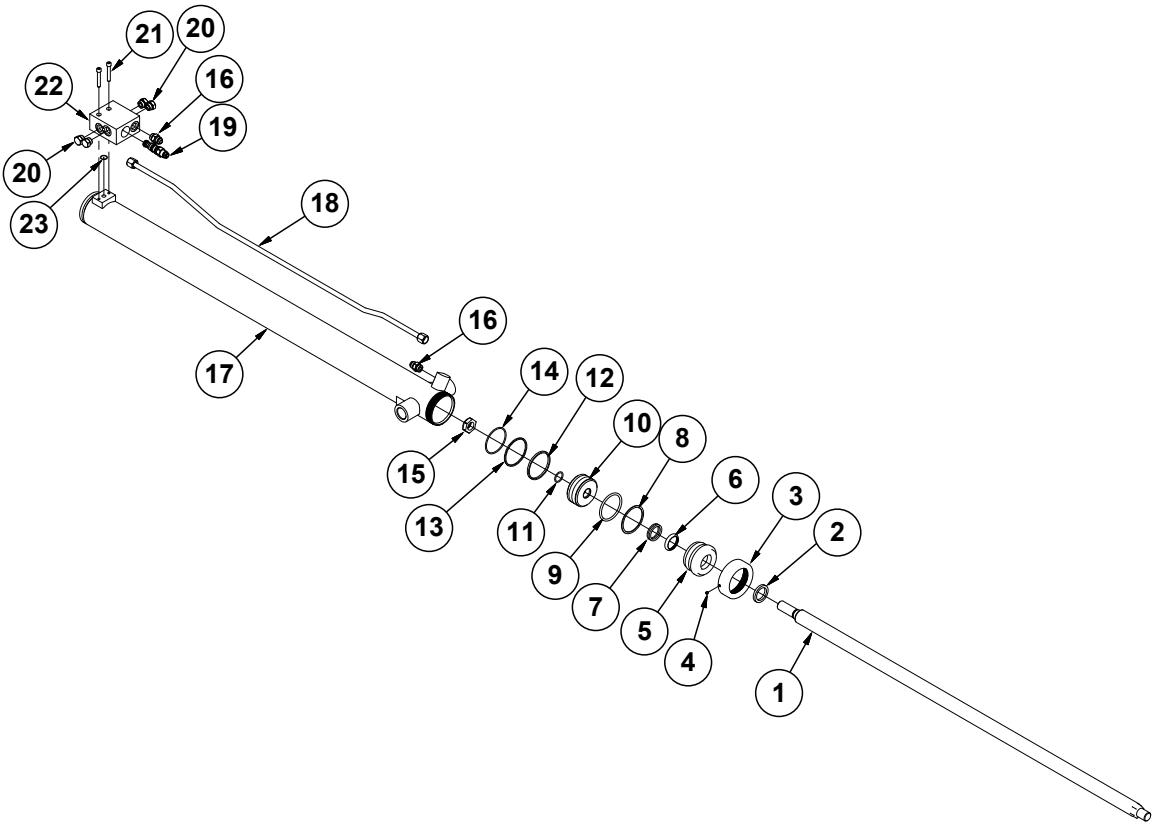
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD30723	1	4 Gallon Water Tank W/Lid
2	G11386	4	Flat Washer, $\frac{5}{16}$ " SAE
3	G10018	4	Hex Head Cap Screw, $\frac{5}{16}$ "-18 x $\frac{5}{8}$ "
4	GA24449	1	Water Tank Mount
5	GD30221	2	Water Tank Mount Brackets
6	G10383201	1	Decal, Notice
7	G10727	1	Reducing Nipple, 1-1/4" x 1"
8	G11742	1	1" NPT 90° Elbow
9	GD30722	1	1" NPTF Flush Valve
10	G10686	4	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 8"
11	G10108	4	Lock Nut, $\frac{3}{8}$ "-16

(A25890)



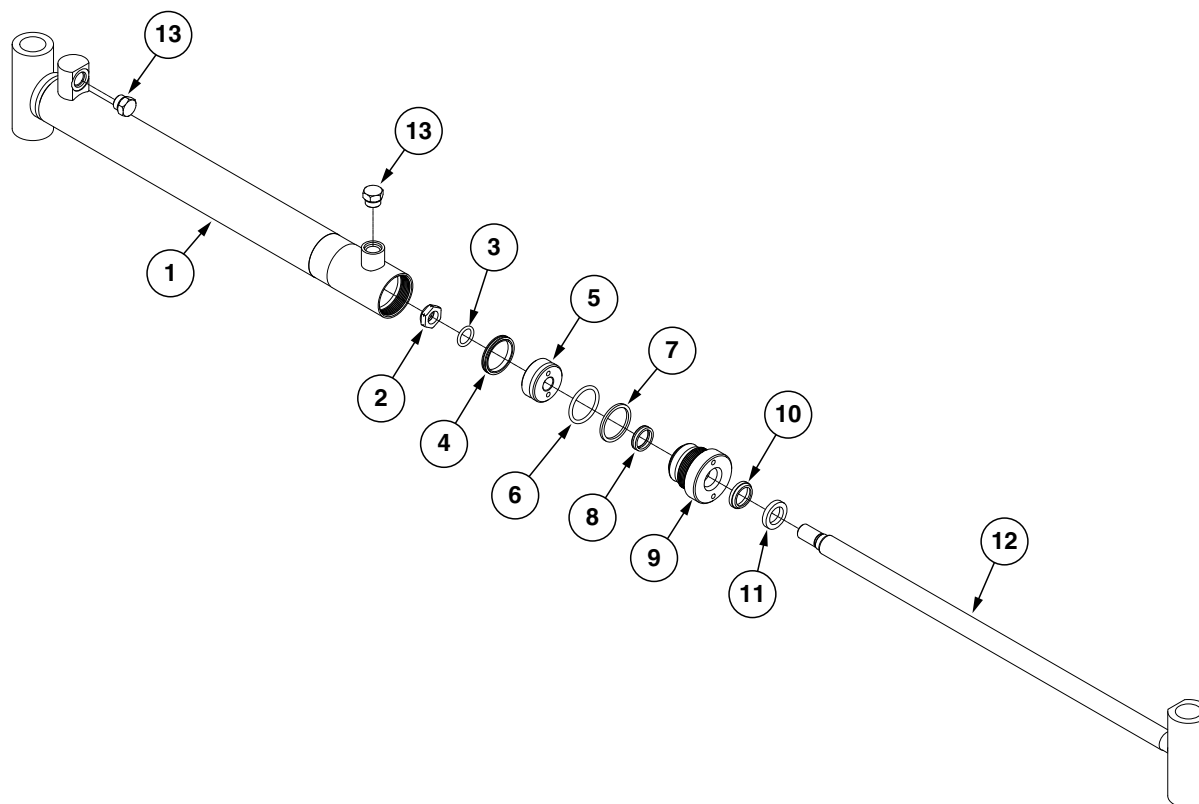
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA15422	1	Operator's Manual Canister
2	GD22686	1	Manual Canister Bracket
3	GD4743	1	U-Bolt, 3" x 3" x 1/2"-13
	G10071	2	Serrated Flange Nut, 1/2"-13
4	G11166	3	Hex Socket Flange Cap Screw, 1/4"-20 x 3/4"
	G11320	3	Lock Nut, 1/4"-20, Grade B

(IP1551)



ITEM	PART NO.	QTY. (Per Cylinder)	DESCRIPTION
1	GD30631	1	Cylinder Rod, 1½"
2	GD12103	1	Ring
3	GD13303	1	Cap
4	G10907	1	Set Screw, ¼"-20 x ¼"
5	GD13302	1	Gland
6	GD12206	1	Wiper, 1½"
7	*D12252	1	U-Cup
8	*D12228	1	Back-Up Ring
9	*D12227	1	O-Ring, No. 336
10	GD30697	1	Piston
11	*D29649	1	O-Ring, No. 215
12	*D12110	2	Cast Iron Piston Ring
13	*D12257	1	Energizer Seal
14	*D12108	1	Piston Seal
15	GD27235	1	Nylon Lock Nut, 1"-14, Grade 8
16	G6400-08 GR1037	2	Connector W/O-Ring, ¾"-16 Male JIC To O-Ring O-Ring
17	GA24695	1	Barrel
18	GA8888	1	Steel Hydraulic Line, 43¹¹⁄₁₆"
19	GA8882	1	Counter Balance Valve
20	G6408-08 GR1037	4 -	Plug W/O-Ring, ¾"-16 O-Ring O-Ring
21	G10932	2	Hex Socket Head Cap Screw, ⁵⁄₁₆"-18 x 2", Grade 8
22	GD11579	1	Manifold Block
23	GD12239	1	O-Ring, No. 016
A	GA24694	-	Cylinder Complete, 3¼" x 48" (Part Numbered Stamped on Barrel)
B	GR2274	-	Seal Kit, Includes: (1) Wiper, (1) U-Cup, (3) O-Rings, (1) BU Ring, (1) T-Seal, (1) Cast Iron Piston Ring, (1) Piston Seal, and (1) Energizer Seal
*Item is part of seal kit, item can not be purchased individually.			

(IP1527)

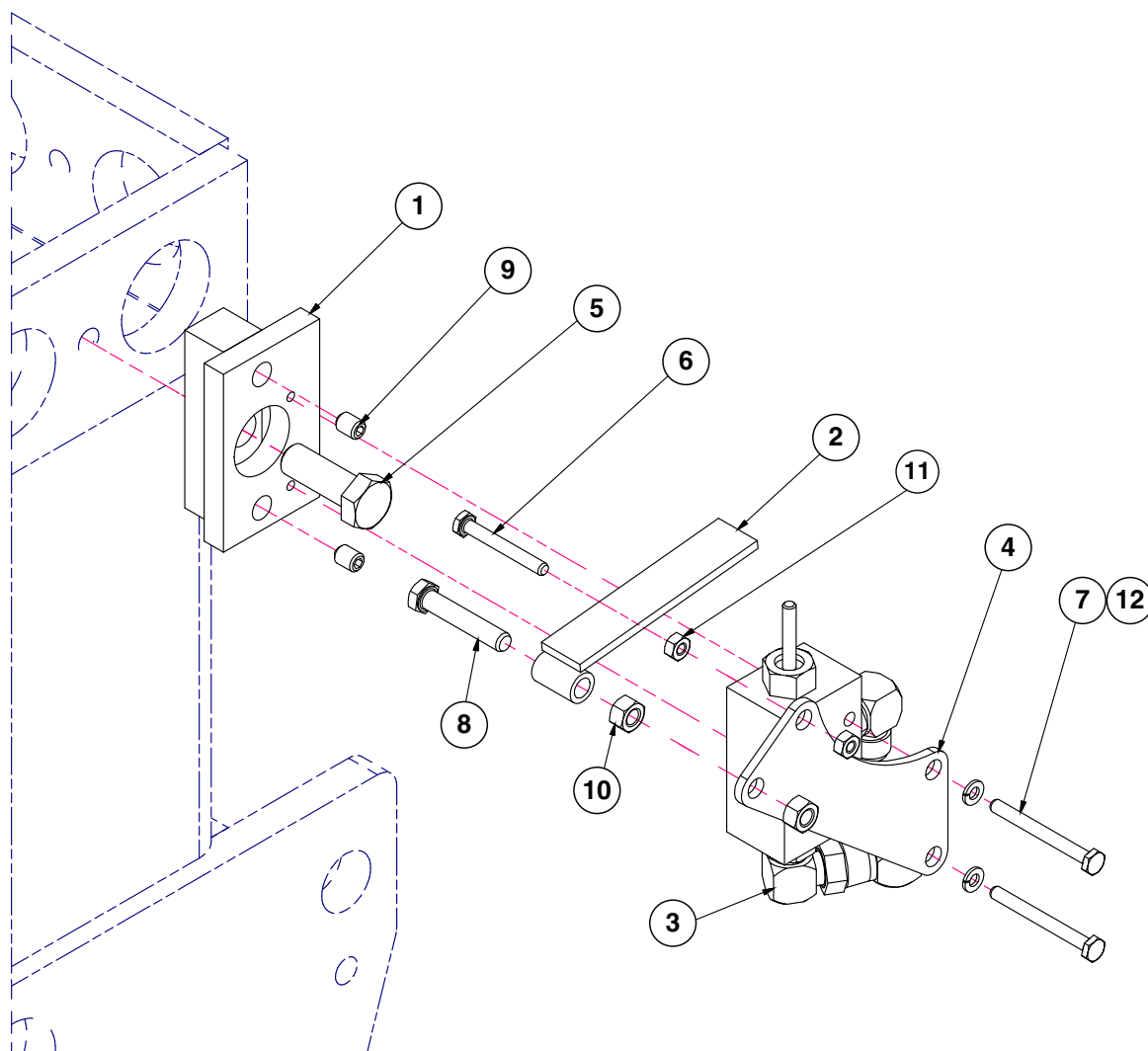


ITEM	PART NO.	QTY.	DESCRIPTION
1	A9442	1	Barrel
2	GD27233	1	Nylon Lock Nut, 3/4"-16, Grade 8
3	*D29692	1	O-Ring, No. 211
4	*D12277	1	T-Seal
5	GD29689	1	Piston
6	*D12235	1	O-Ring, No. 326
7	*D12236	1	Back-Up Ring
8	*D12256	1	U-Cup
9	GD12510	1	Gland
10	*D12233	1	Wiper Rod
11	GD12101	1	Ring
12	GA21159	1	Rod
13	G6408-08	2	Plug W/O-Ring, 3/4"-16 O-Ring
	GR1037	-	O-Ring

A	GA21158	-	Cylinder Complete, 2" x 20 1/16" (Part Number Stamped On Barrel)
B	GR2229	-	Seal Kit, Includes: (1) Wiper, (2) U-Cup, (3) O-Rings, (1) BU Ring, (1) T-Seal, (1) Instruction Sheet

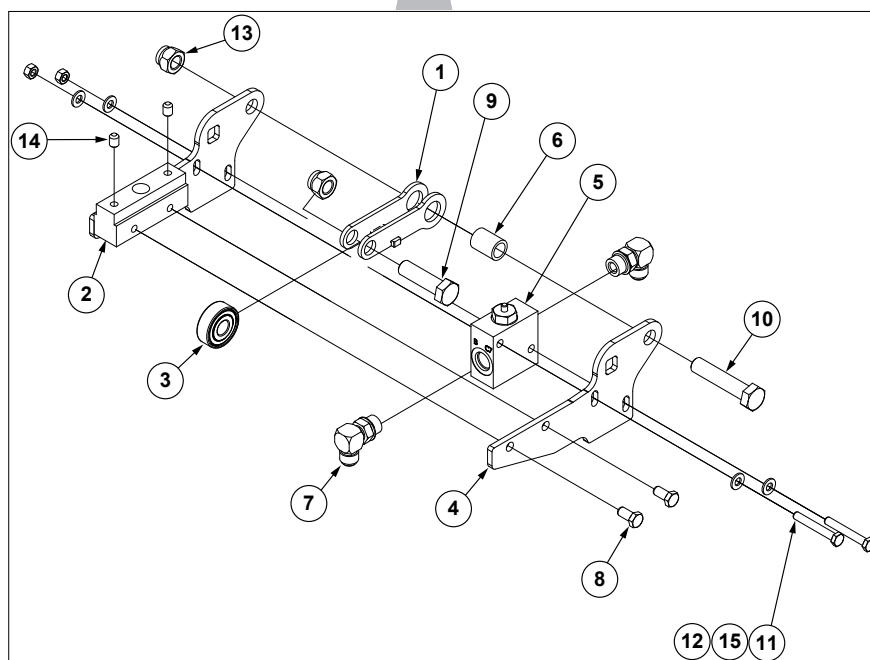
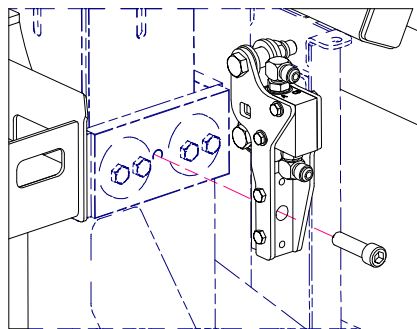
*Item is part of seal kit, item can not be purchased individually.

(A25920)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA6850	1	Valve Mount
2	GA7153	1	Arm
3	GA12202	1	See "Stroke Limiter Valve, Conventional" on page P171
4	GD10129	1	Mounting Bracket
5	G10005	1	Hex Head Cap Screw, 5/8"-11 x 1 3/4"
6	G10638	1	Hex Head Cap Screw, 1/4"-20 x 2"
7	G10403	2	Hex Head Cap Screw, 1/4"-20 x 2 1/2"
8	G10048	1	Hex Head Cap Screw, 3/8"-16 x 2"
9	G10120	2	Hex Socket Set Screw, 3/8"-16 x 1/2"
10	G10101	2	Hex Nut, 3/8"-16
11	G10103	2	Hex Nut, 1/4"-20
12	G10227	2	Lock Washer, 1/4"

(A24497)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA24495	1	Check Valve Mount
2	GA24496	1	Block Mount
3	GA2014	1	Bearing, $\frac{5}{8}$ "
4	GD34091	1	Side Mount Plate
5	GA24715	1	Plunger Valve
	GR1254	-	Valve
	GR1090	-	Check Valve Block
6	GD3180-05	1	Sleeve, $\frac{5}{8}$ " I.D. x $\frac{7}{8}$ " O.D. x $1\frac{3}{16}$ " Long
7	G6801-08	2	Elbow W/O-Ring, 90°, $\frac{3}{4}$ "-16 Male JIC To O-Ring
	GR1037	-	O-Ring
8	G10002	2	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $\frac{3}{4}$ "
9	G10006	1	Hex Head Cap Screw, $\frac{5}{8}$ "-11 x $2\frac{1}{4}$ "
10	G10010	1	Hex Head Cap Screw, $\frac{5}{8}$ "-11 x 3"
11	G10069	2	Hex Head Cap Screw, $\frac{5}{16}$ "-18 x $2\frac{1}{4}$ "
12	G10106	2	Hex Nut, $\frac{5}{16}$ "-18
13	G10107	2	Lock Nut, $\frac{5}{8}$ "-11
14	G10120	2	Hex Socket Set Screw, $\frac{3}{8}$ "-16 x $\frac{1}{2}$ "
15	G11386	4	Flat Washer, $\frac{5}{16}$ " SAE

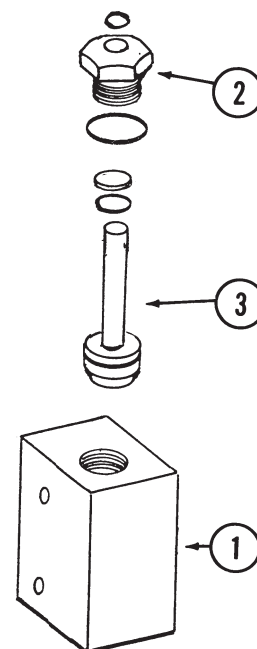
(TWL55)

ITEM	PART NO.		QTY.	DESCRIPTION
	Style A*	Style B*		
1	---	---	1	Block (Non-Stock Item)
2	GR1281	**	1	Adapter Plug
3	GR1282	GR2193	1	Piston Rod And Poppet Assembly

A	GA6884	GA6884	-	Stroke Limiter Valve Complete
B	GR1289	---	-	Seal Kit, Includes: (2) O-Rings, (1) BU Ring, (1) Seal
C	---	GR2194	-	Seal Kit, Includes: (2) O-Rings, (1) BU Ring, (1) Seal, (1) Adapter Plug

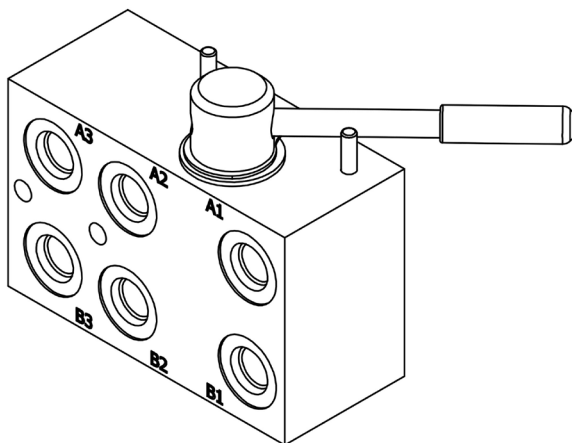
*Style A and B are determined by block color. Style A block will be yellow/zinc in color and manufactured by Shoemaker Inc. Style B block will be black in color and manufactured by Delta Power Company.

**Item is part of seal kit (GR2194), item can not be purchased individually



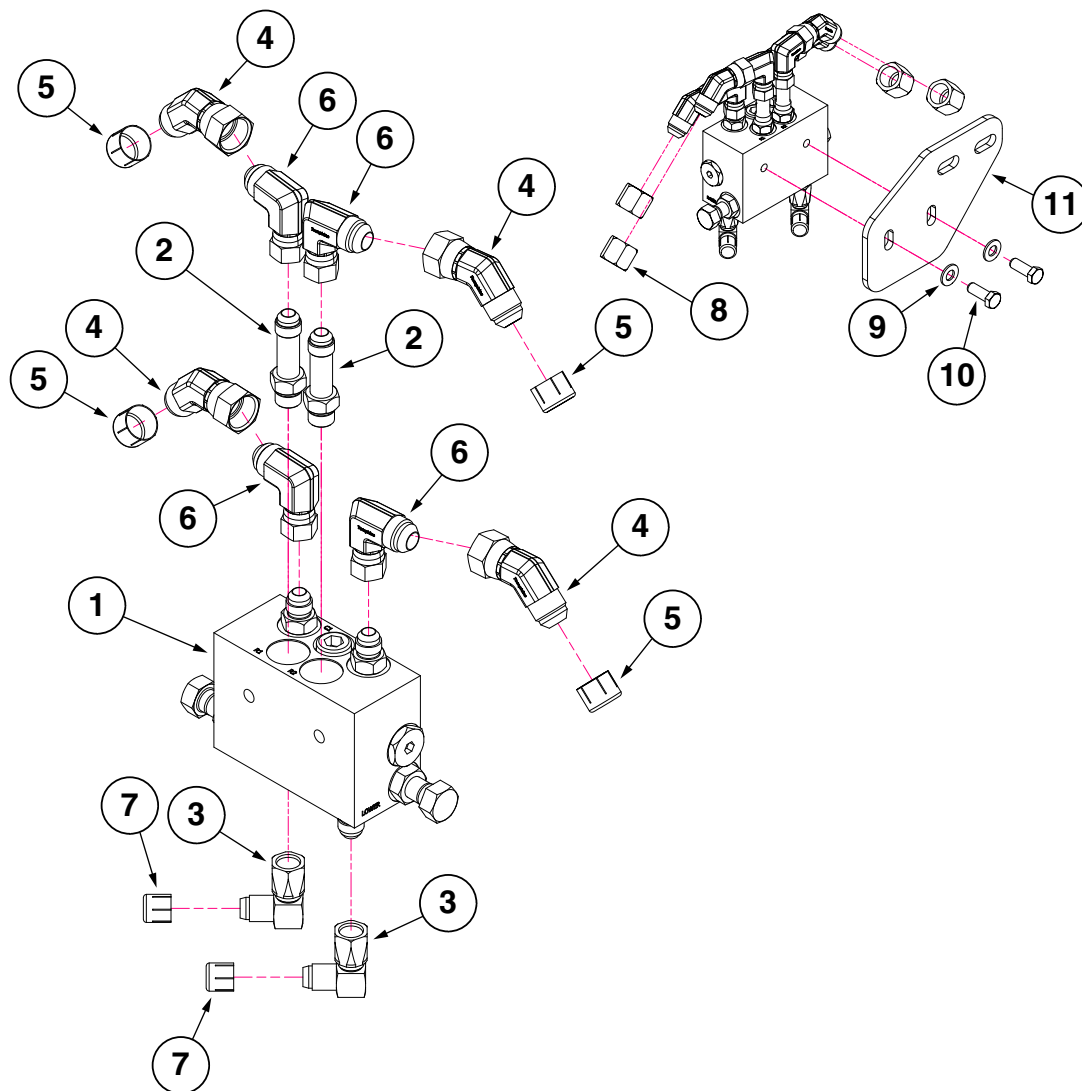
Selector Valve

(A24857)



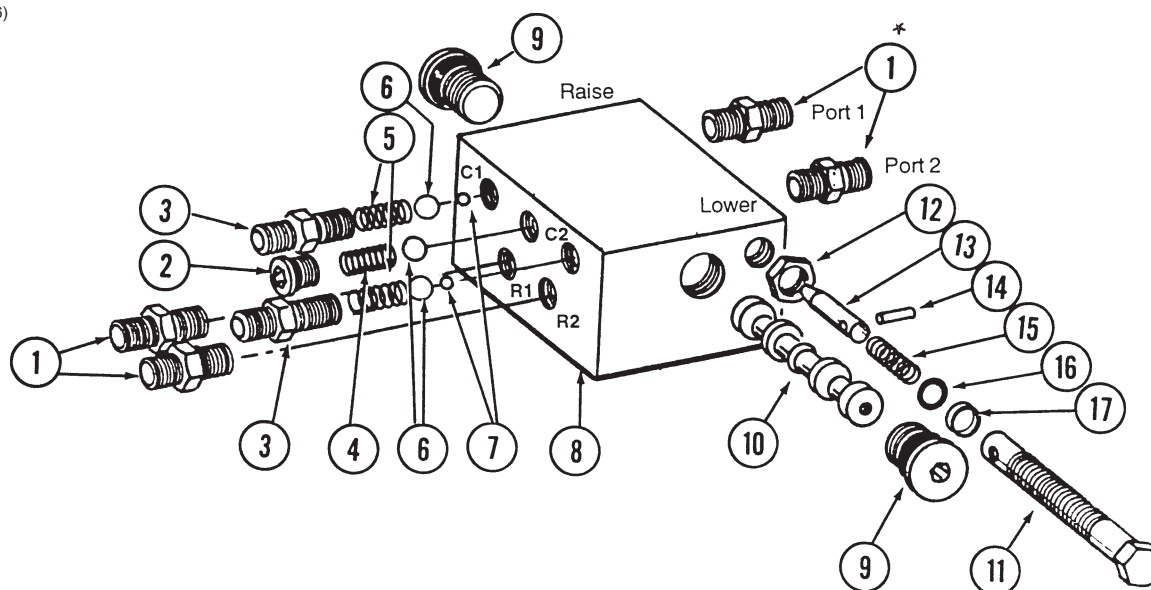
ITEM	PART NO.	QTY.	DESCRIPTION
1	GR2266	1	Seal Kit, Includes: (2) Retaining Rings, (2) O-Rings, (2) BU Rings
A	GA24857	-	Valve Assembly

(A24921)



ITEM	PART NO.	QTY.	DESCRIPTION
1	---	-	
2	G6400-L-06 GR1045	2 -	Long Connector W/O-Ring, 9/16"-18 Male JIC To O-Ring O-Ring
3	G6500-06	2	Swivel Elbow, 90°, 9/16"-18 Male JIC To Female
4	G6502-08	4	Swivel Elbow, 45°, 3/4"-16 Male JIC To Female
5	G10492	4	Thread Protector, 3/4"-16
6	G6500-08-06	4	Swivel Elbow, 90°, 3/4"-16 Male JIC To 9/16"-18 Female
7	G10491	2	Thread Protector, 9/16"-18
8	G304-C-8	4	Cap Nut, 3/4"-16
9	G11387	2	Flat Washer, 3/8" SAE
10	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
11	GD36975	1	Mount Plate

(PT9a/TWL56)

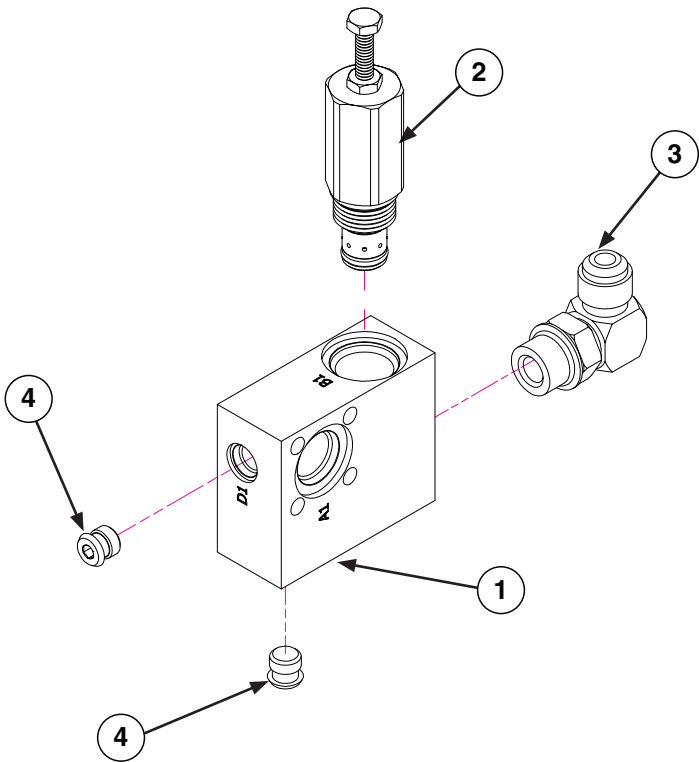


ITEM	PART NO.	QTY.	DESCRIPTION
1	G6400-06 GR1045	4 -	Connector W/O-Ring, 1/16"-18 Male JIC To O-Ring O-Ring
2	*R1034 GR1035	2 -	Hex Socket Plug W/O-Ring O-Ring
3	*R1032 GR1045	2 -	Port Adapter W/O-Ring O-Ring
4	*R1033	1	Detent Spring
5	*R1036	2	Spring
6	*R1044	3	7/16" Check Ball
7	*R1043	2	1/4" Steel Ball
8	---	1	Valve Body (Non-Stock Item)
9	*R1047 GR1037	2 -	Hex Socket Plug W/O-Ring O-Ring
10	---	-	Spool (Non-Stock Item)
11	**R1042	2	Adjustment Screw
12	**R1048	2	Hex Jam Nut, 1/2"-20
13	**R1038	2	Needle
14	**R1039	2	Spring Pin
15	**R1046	2	Compression Spring
16	**R1040	2	O-Ring
17	**R1041	2	Teflon BU Ring
A	GA5552	-	Valve Assembly Complete (Items 1-17)
B	GA20822	-	Flow Control Assembly Portion Only (Items 11-17)
C	GR2035	-	Detent Kit, Includes: (2) Hex Socket Plug W/O-Ring, (2) Port Adapter W/O-Ring, (1) Detent Spring, (2) Spring, (3) Check Ball, (2) Steel Ball

*Item is part of detent kit (GR2035), item can not be purchased individually

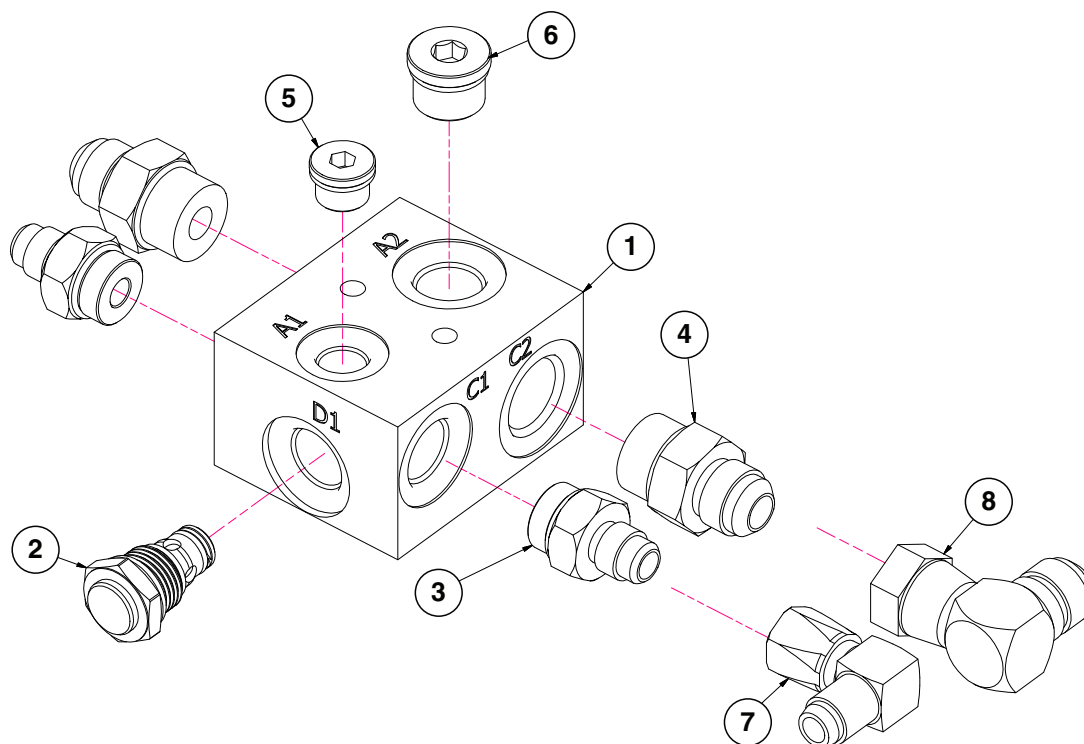
**Item is part of seal kit (GA20822), item can not be purchased individually.

(101999)



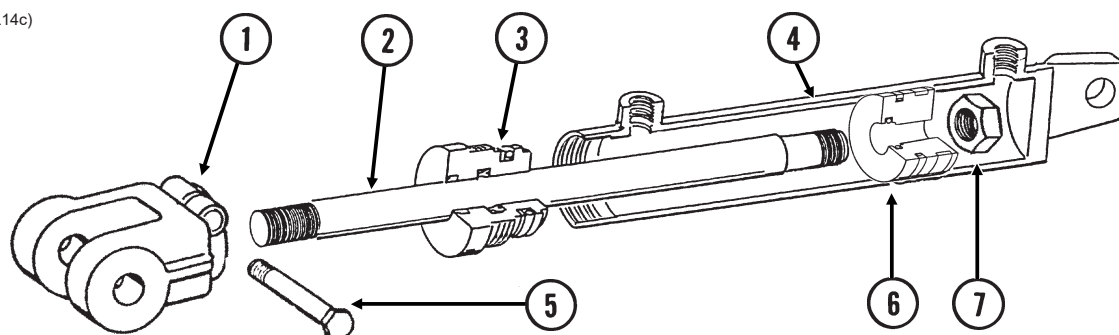
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10169701	1	Manifold Hydraulic Block
2	G10053801	1	Adjustable Flow Control Valve
3	G6801-08	1	Elbow W/O-Ring, 90°, 3/4"-16 Male JIC To O-Ring
4	GD29321	1	Plug

(A26398)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GD33511	1	Valve Block
2	GA21067	1	Check Valve, No. 8
3	G6400-06-08 GR1037	2 -	Connector W/O-Ring, $\frac{9}{16}$ "-18 Male JIC To $\frac{3}{4}$ "-16 O-Ring O-Ring
4	G6400-08-10 GR1466	2 -	Connector W/O-Ring, $\frac{3}{4}$ "-16 Male JIC To $\frac{7}{8}$ "-14 O-Ring O-Ring
5	G6408-H06-O GR1045	1 -	Hex Socket Head Plug W/O-Ring, $\frac{9}{16}$ "-18 O-Ring O-Ring
6	G6408-H08-0	1	Hex Socket Head Plug W/O-Ring, $\frac{3}{4}$ "-16 O-Ring
7	G6500-06	1	Swivel Elbow, 90°, $\frac{9}{16}$ "-18 Male JIC To Female
8	G6500-08	1	Swivel Elbow, 90°, $\frac{3}{4}$ "-16 Male JIC To Female

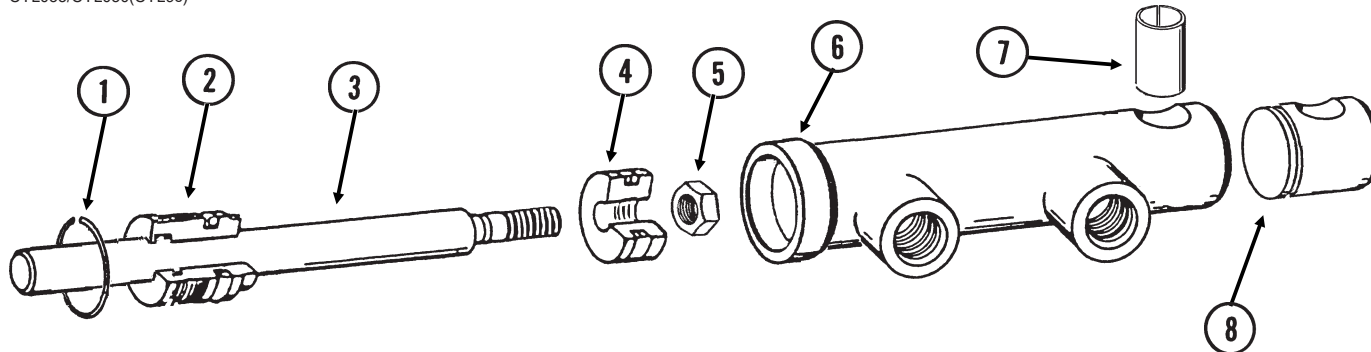
CYL032(CYL14c)



ITEM	PART NO.	QTY. (Per Cylinder)	DESCRIPTION
1	GD11950	1	Clevis
2	GD12501	1	Rod
3	GD11999	1	Gland
4	A6524	1	Barrel (Non-Stock Item)
5	G10939	1	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 2 $\frac{1}{4}$ "
	G10108	1	Lock Nut, $\frac{3}{8}$ "-16
6	GD12502	1	Piston
7	G10958	1	Lock Nut, 1"-14
A	GA8911	-	Cylinder Complete, 3" x 16" (Part Number Stamped On Barrel)
B	GR1526	-	Seal Kit, Includes: (1) Wear Ring, (1) T-Seal, (2) O-Rings, (1) BU Ring, (1) U-Cup, (1) Wiper

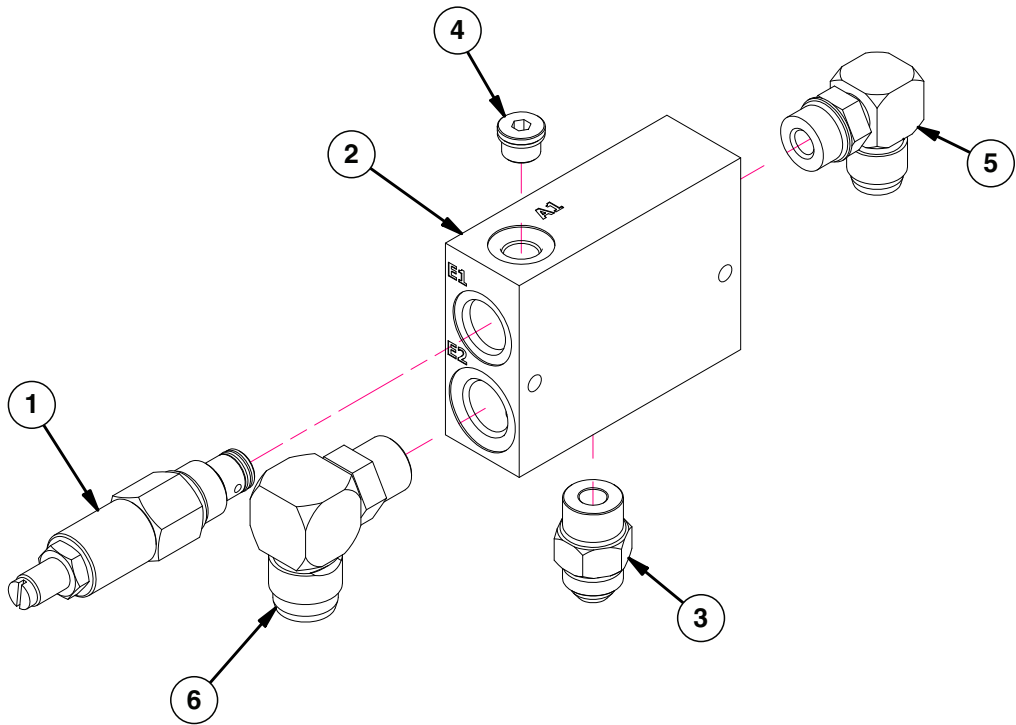
Transport Latch Cylinder, All Sizes

CYL035/CYL050(CYL9c)

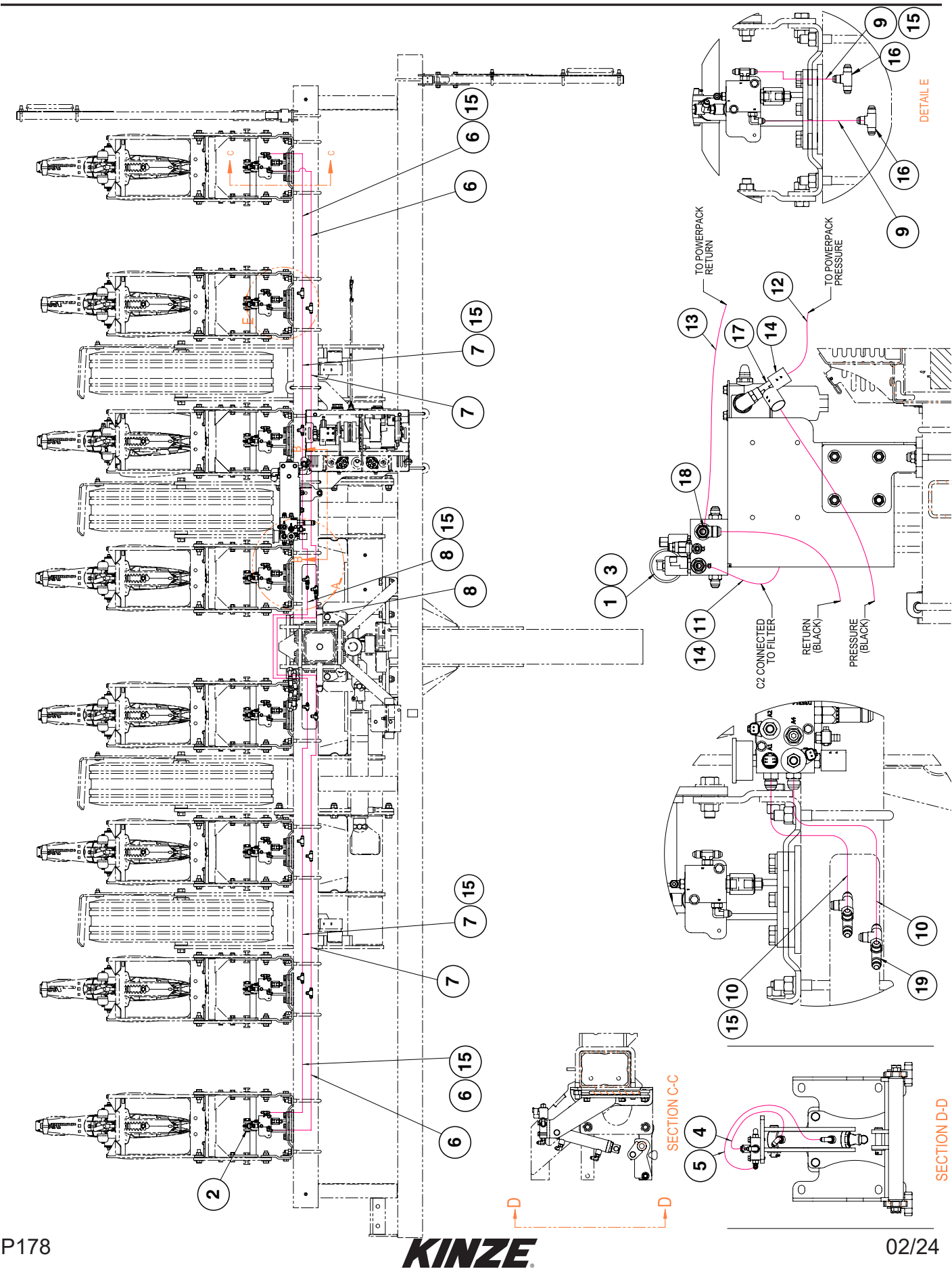


ITEM	PART NO.	QTY.	DESCRIPTION
1	G10770	1	Internal Retaining Ring, 1 $\frac{1}{16}$ "
2	GD13170	1	Gland
3	GD13425	1	Rod
4	GD13172	1	Piston
5	GD27232	1	Nylon Lock Nut, $\frac{1}{2}$ "-20, Grade 8
6	D13426	1	Barrel (Non-Stock Item)
7	GD13400	1	Tension Bushing, 1" x 2" Long
8	GD13173	1	End Cap
A	GA9559	-	Cylinder Complete, 1 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ " (Part Number Stamped On Barrel)
B	GR1598	-	Seal Kit, Includes: (3) O-Rings, (2) BU Rings, (1) Rod Wiper, (1) T-Seal, (1) Bronze Bushing, (1) Seal, (1) U-Cup

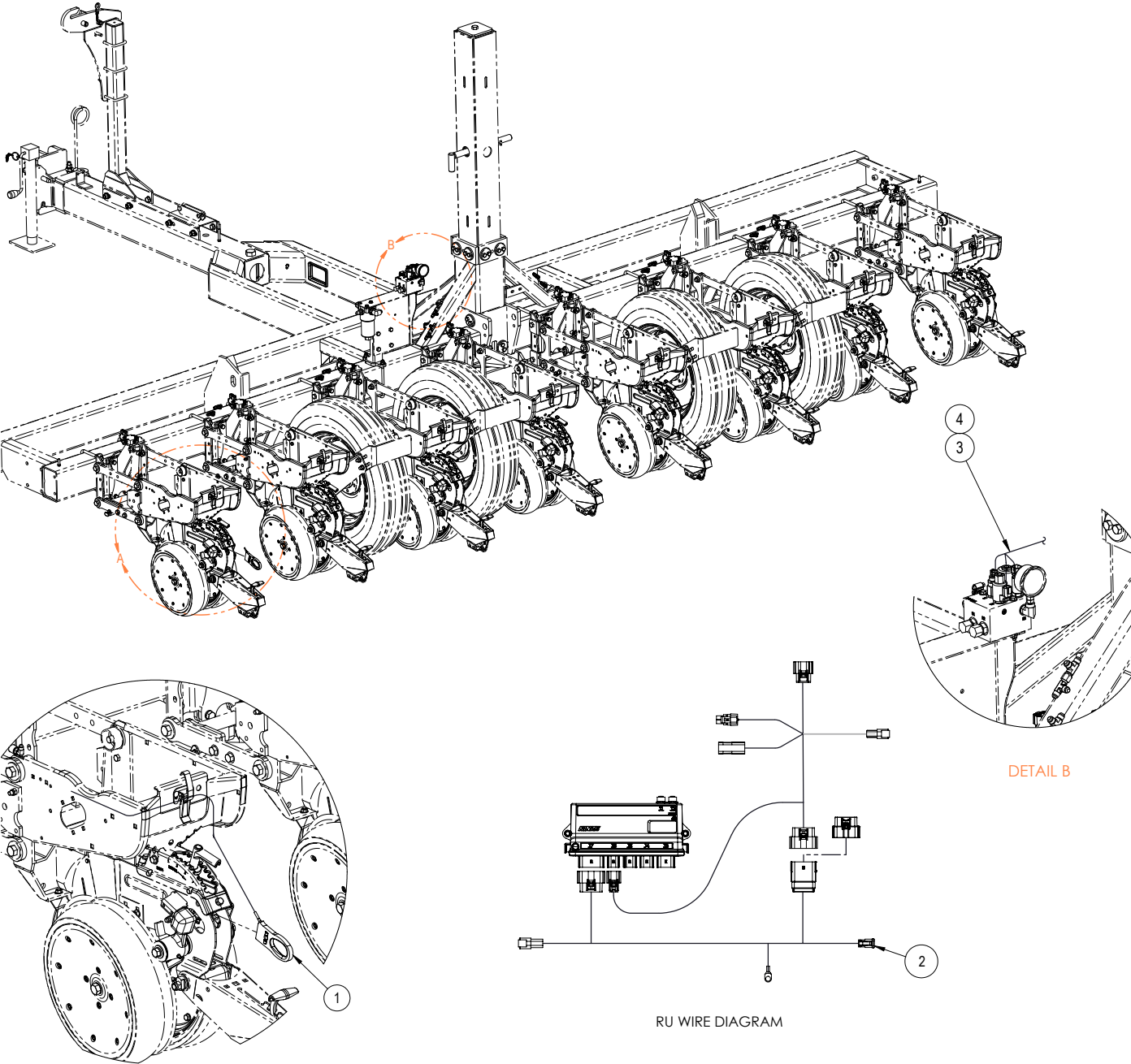
(A25606)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA17426	1	Pressure Relief Valve
2	GD30500	1	Hydraulic Block PTO
3	G6400-10	1	Adapter, 7/8-14 JIC, 7/8-14 O-Ring
4	G6408-H06-O	1	O-Ring Plug, 9/16-18 Hex Soc Head
5	G6801-10	1	Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To 1 1/16"-12 O-Ring
6	G6801-12-10	1	Elbow W/O-Ring, 90°, 1 1/16"-12 Male JIC To 7/8"-14 O-Ring



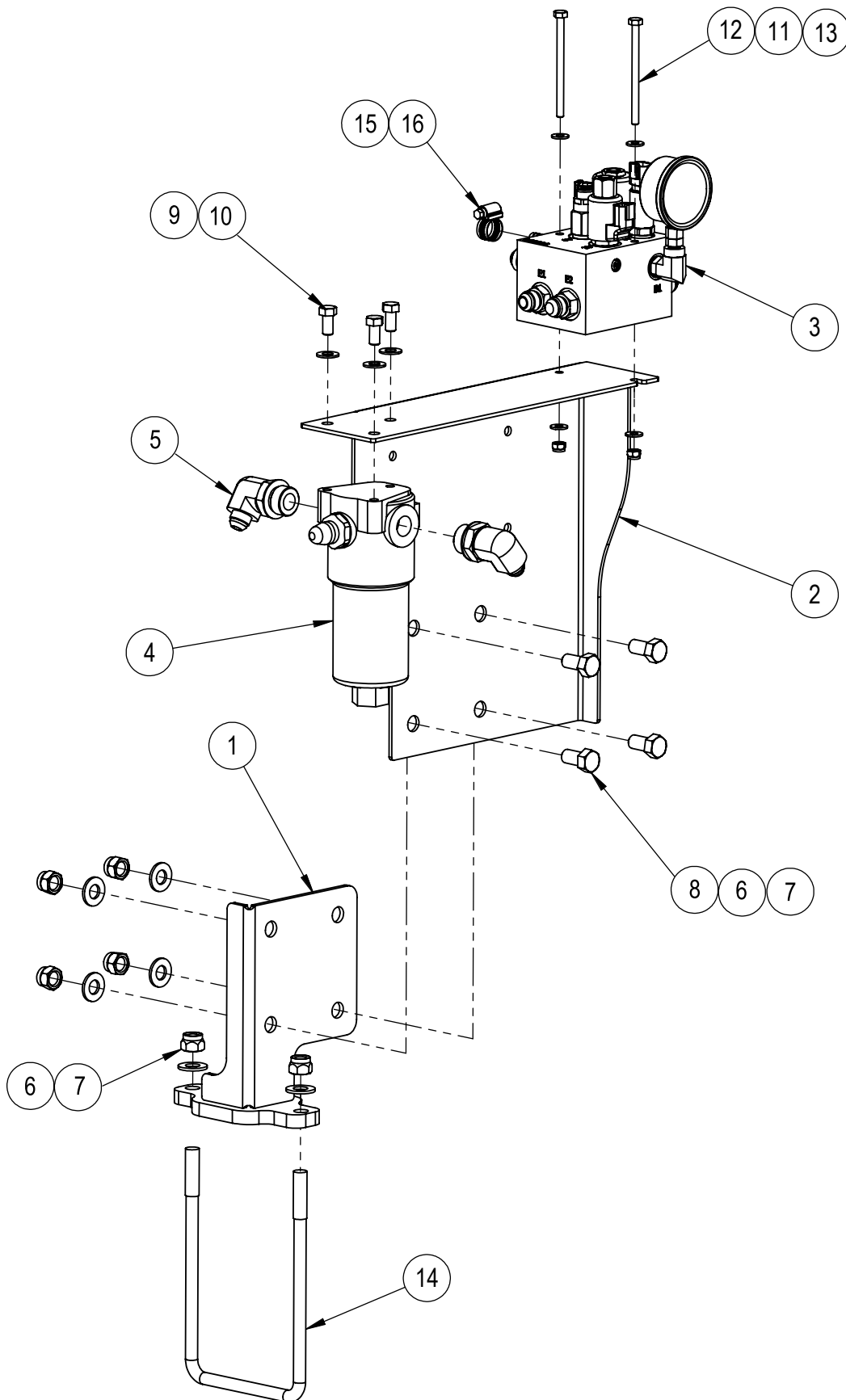
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10709001	1	See "True Depth Main Block Assembly" on page P182
2	G10617701	1	See "Row Unit with True Depth Assembly" on page P39
3	---	-	See "Integrated True Depth Assembly" on page P180
4	*A7678-13	8	Hose Assembly, 1/4" x 13" (04F-04F)
5	*A7677-20	8	Hose Assembly, 1/4" x 20" (04F - 04F STD 90)
6	*A7680-35	4	Hose Assembly, 1/4" x 35" (04F-06F)
7	*A12038	8	Hose Assembly, 3/8" x 30" (06F-06F)
8	*A15081-32	2	Hose Assembly, 3/8" x 32" (06F-06F)
9	*A7680-10	12	Hose Assembly, 1/4" x 10" (04F-06F)
10	*A25504-19	2	Hose Assembly, 3/8" x 19" (06F - 08F90S)
11	*A18671-30	1	Hose Assembly, 1/2" x 30" (08F-08F90S)
12	*A18667-32	1	Hose Assembly, 1/2" x 32" (08F - 08F)
13	*A21530-48	1	Hose Assembly, 5/8" x 48" (10F - 10F)
14	GD10057-20	4	Hose Identification Sleeve, Purple PP
15	GD35904-01	28	Shrink Tube, Purple PP
16	G2603-06	12	Tee, 9/16"-18 Male JIC
17	G6602-08	1	Swivel Tee, 3/4"-16 JIC
18	G6602-10	1	Swivel Tee, 7/8"-14 JIC
19	G6602-06	2	Swivel Tee, 9/16"-18 JIC
*Hydraulic hose is not stocked by Kinze Repair Parts.			



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA27146	8	Link Sensor, True Depth (True Depth equipped planters only)
2	GA26709	8	Integrated True Depth Row Unit Harness (Non-True Speed only)
3	G10337001	1	Integrated True Depth Harness
4	G10640901	1	Sealed Cap

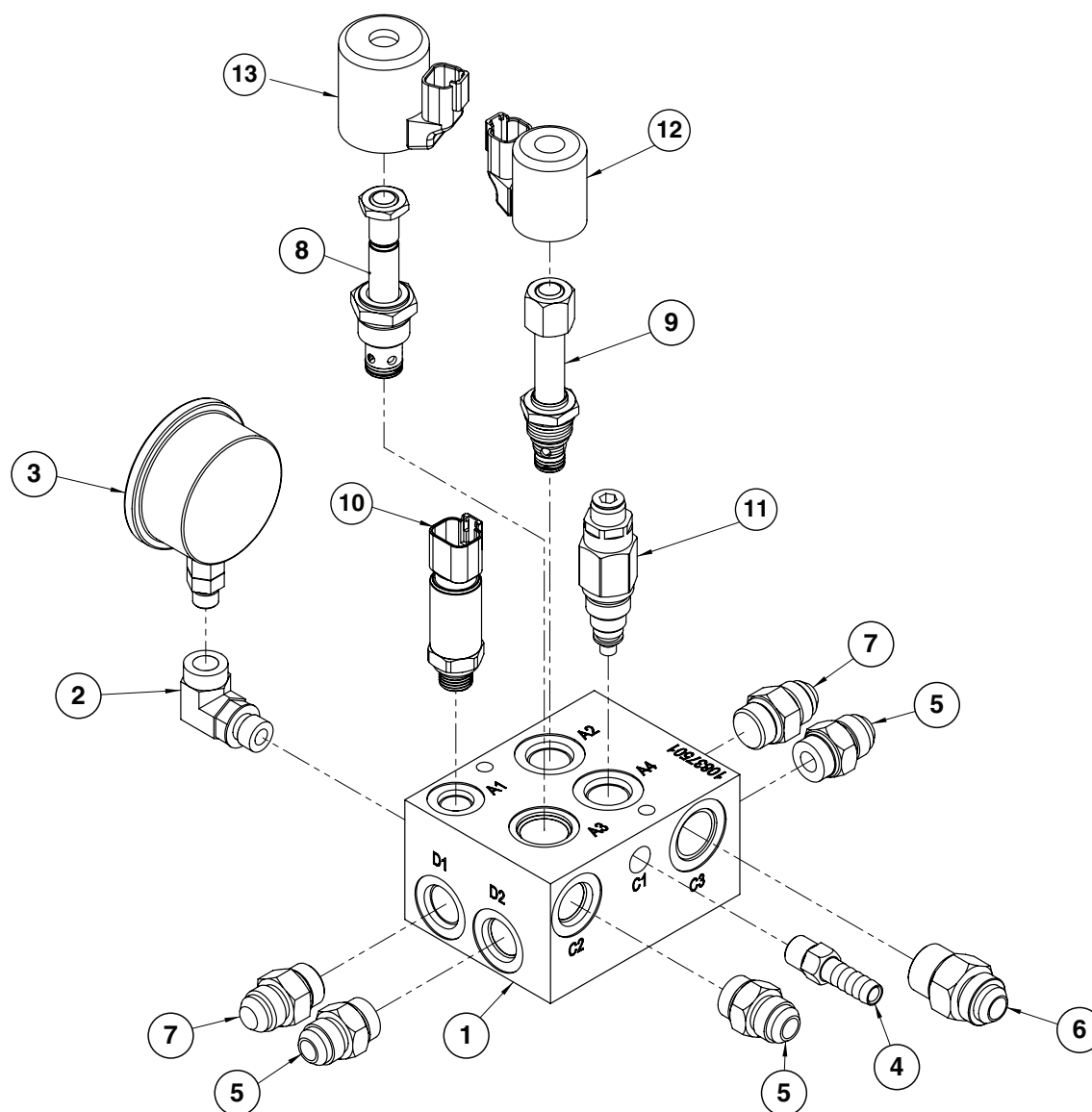
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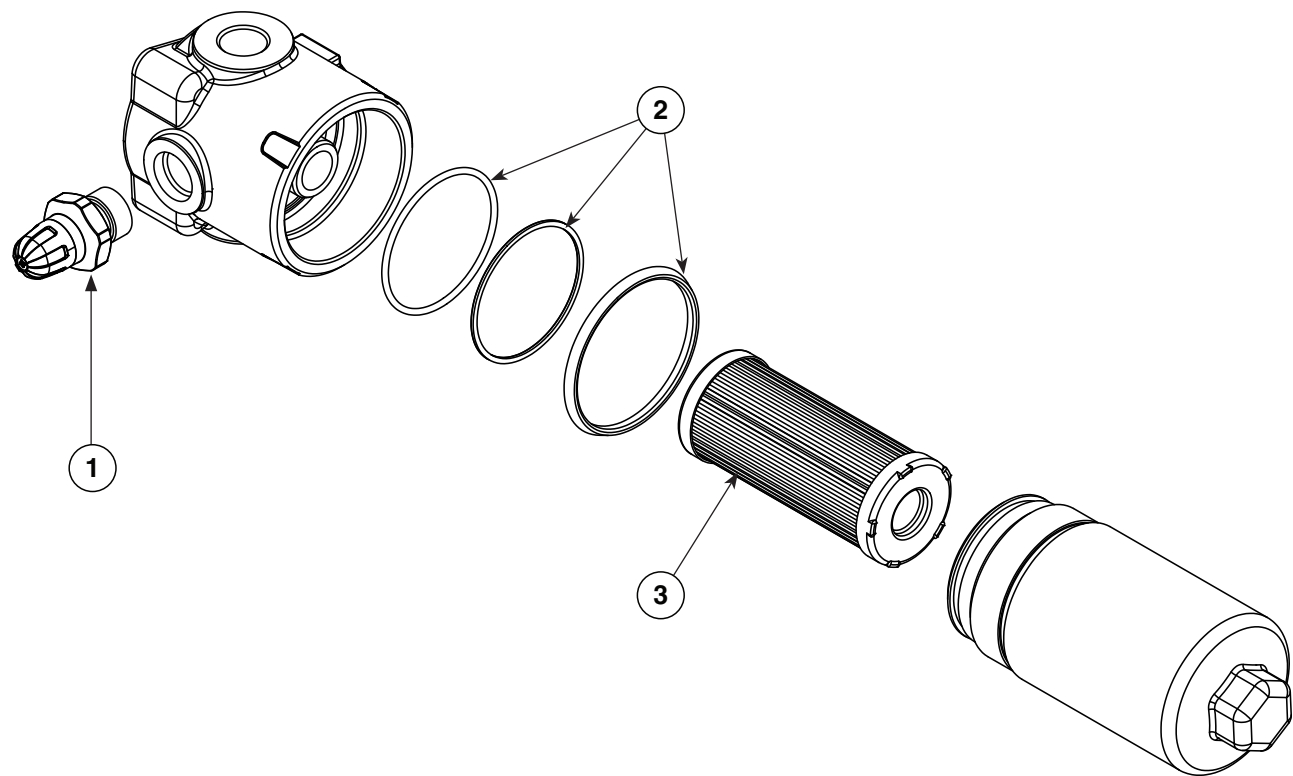
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10336501	1	Hydraulic Down Force Main Bracket
2	GD36756	1	Hydraulic Block Mount Bracket
3	GA25289	1	See "Down Force Manifold Block Assembly" on page P184
4	GA25857	1	See "In-Line Filter Assembly" on page P185
5	G6801-08-12	2	90° Adjustable Elbow, 3/4"-16
6	G11389	6	Flat Washer, 1/2" Plated SAE
7	G10111	6	Lock Nut, 1/2"-13
8	G10014	4	Hex Head Cap Screw, 1/2"-13 x 1"
9	G11387	3	Flat Washer, 3/8" SAE
10	G10002	3	Hex Head Cap Screw, 3/8"-16 x 3/4"
11	G11385	4	Flat Washer, 1/4" SAE
12	G11135	2	Hex Head Cap Screw, 1/4"-20 X 3 3/4"
13	G10110	2	Lock Nut, 1/4"-20, Grade B
14	GD8306	1	U-Bolt, 7" x 5" x 1/2"-13
15	GD6279-03	1	Tube, 3/8" x 28
16	G10681	1	Hose Clamp, No. 6

(A25289)



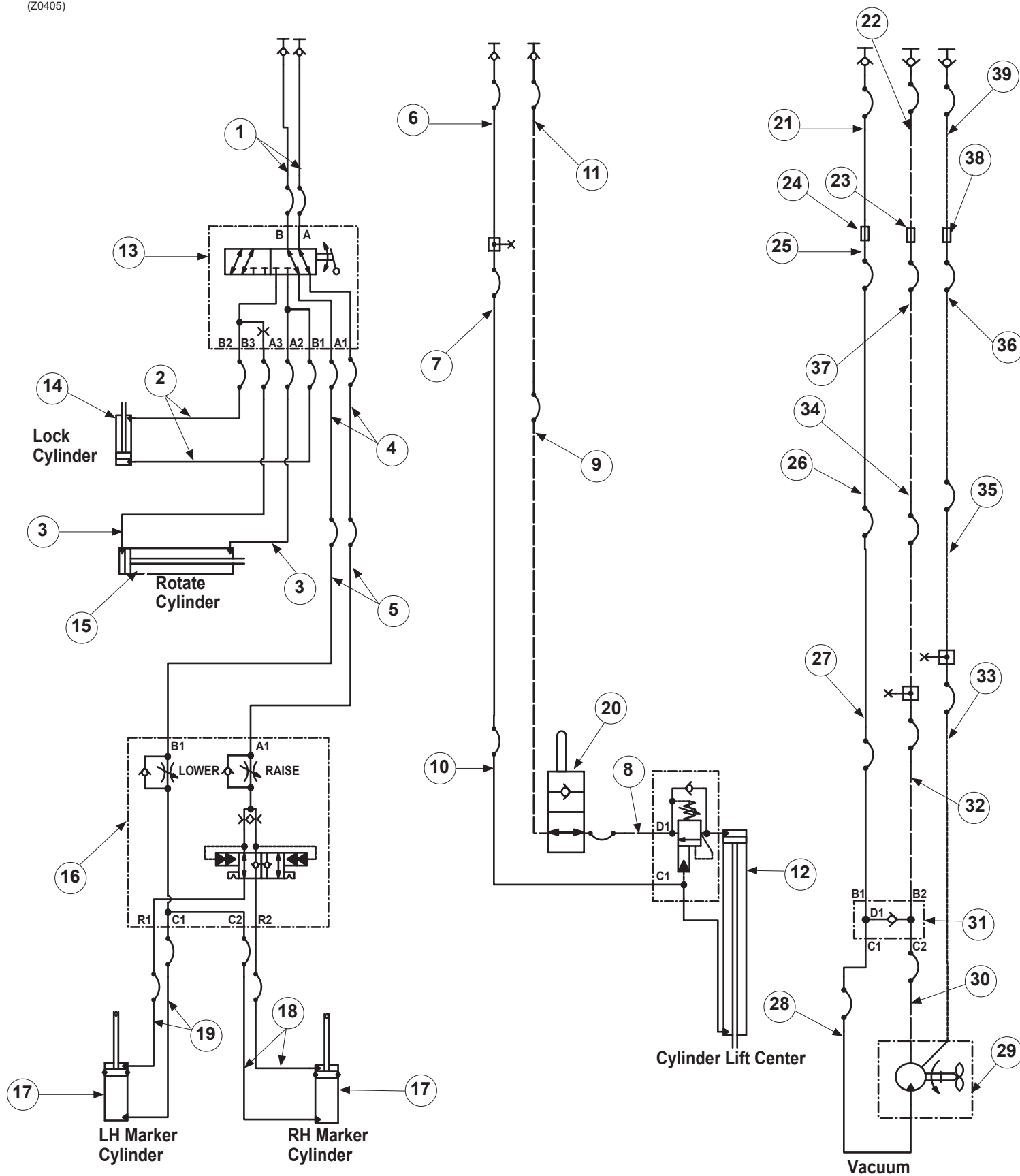
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10837501	1	Down Force Manifold Block
2	G6815-06-04	1	90° Adjustable Street Elbow
3	GA26005	1	Pressure Gauge
4	GD11700	1	Adapter, 1/4" NPT To 3/8" Barb
5	G6400-08	3	Adapter, 3/4-16 JIC, 3/4-16 O-Ring
6	G6400-10	1	Connector W/O-Ring, 7/8"-14 Male JIC To O-Ring
7	GA20252	2	Check Valve
8	GA25390	1	Solenoid, No. 10, Single Poppet
9	GA25389	1	Solenoid, No. 8, Single Poppet
10	G10568101	1	Pressure Sensor
11	GA25982	1	Direct Relief
12	GA25403	1	Coil, 12V
13	GA25404	1	Coil, 12V

(A25857)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GR2361	1	Flow Indicator
2	GR2368	-	Seal Kit, Includes: (1) Sealing O-Ring, (1) Anit-Extrusion Ring, (1) External O-Ring
3	GD35835	1	Replacement Filter Cartridge

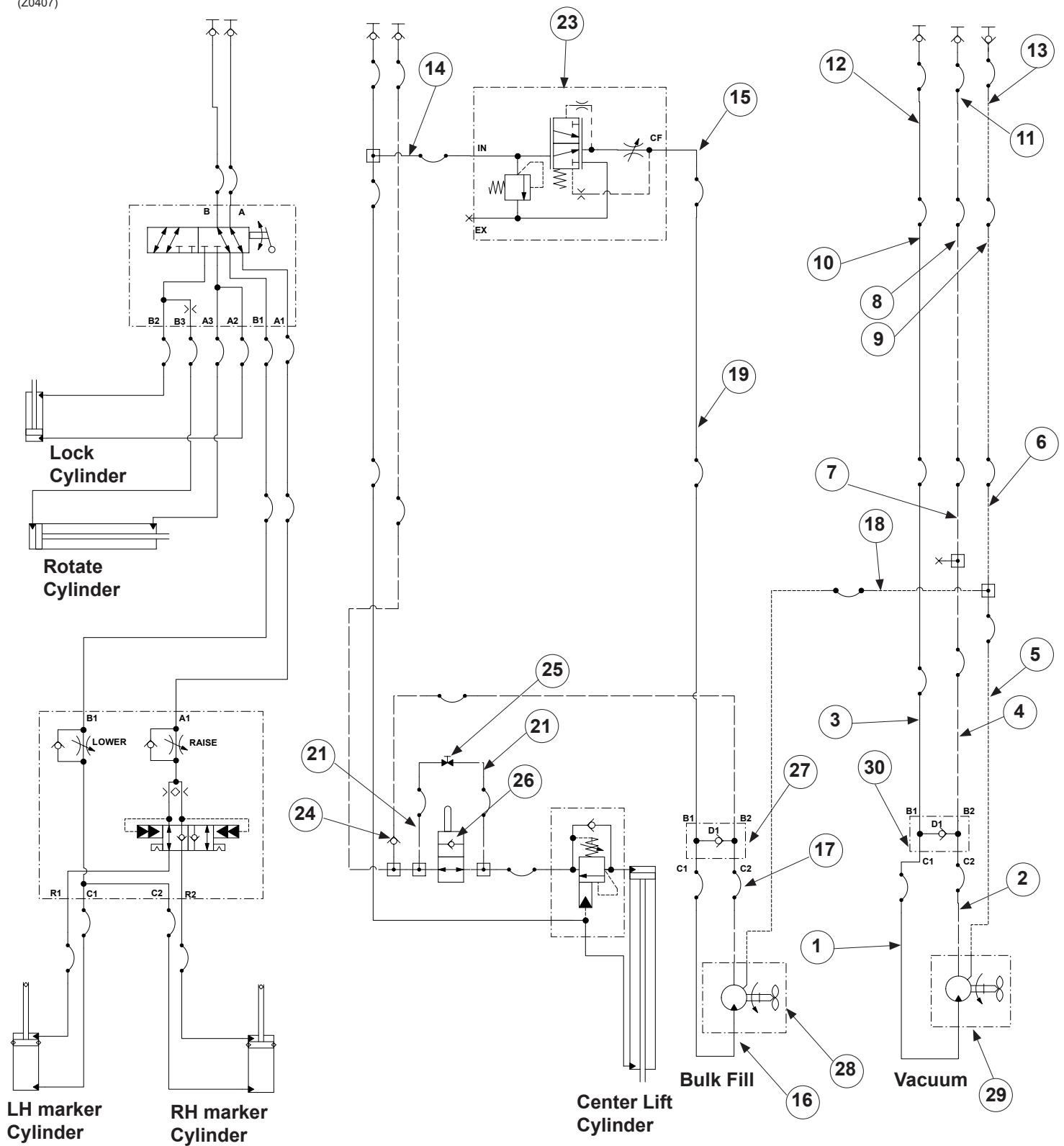
(Z0405)



ITEM	PART NO.	QTY.	DESCRIPTION
1	*A26936-98	2	Hose Assembly, 3/8" x 98" (1/2M NPTF-08F)
2	*A1154	2	Hose Assembly, 1/4" x 72" (06F-06F)
3	*A1121	2	Hose Assembly, 1/4" x 180" (06F-06F)
4	*A15094-175	2	Hose Assembly, 3/8" x 175" (08M-08F)
5	*A15092-90	2	Hose Assembly, 3/8" x 90" (06F-08F)
6	*A26939-140	1	Hose Assembly, 3/8" x 140" (1/2M-06F)
7	*A15082-132	1	Hose Assembly, 3/8" x 132" (06F-06M)
8	*A1018	1	Hose Assembly, 3/8" x 40" (08F-08F)
9	*A15092-106	1	Hose Assembly, 3/8" x 106" (06F -08F)
10	*A15064	1	Hose Assembly, 3/8" x 130" (06F-06F)
11	*A26940-260	1	Hose Assembly, 3/8" x 260" (1/2M-06M)
12	GA24694	1	See "Lift Cylinder" on page P166
13	GA24891	1	See "Selector Valve" on page P171
14	GA9559	1	See "Transport Latch Cylinder, All Sizes" on page P176
15	GA8911	1	See "Rotation Cylinder" on page P176
16	GA24921	1	See "Row Marker Sequencing/Flow Control Valve Fittings & Mount" on page P172
17	GA21158	2	See "Row Marker Cylinder" on page P168
18	*A1090	2	Hose Assembly, 3/8" x 162" (08F - 08F)
19	*A1078	2	Hose Assembly, 3/8" x 174" (08F-08F)
20	GA6884	1	Stroke Limiter Valve Complete
21	*A26941-112	1	Hose Assembly, 3/8" x 112" (1/2M-10F)
22	*A21548-120	1	Hose Assembly, 5/8" x 120" (1/2M-12F)
23	*G2403-12-10	1	Union, Male 1-1/6"-12 JIC x 7/8"-14 JIC
24	*G2403-10	1	Union, 7/8"-14 Male JIC
25	*G15098-150	1	Hose Assembly, 3/8" x 150" (10F-06M)
26	*G15082-77	2	Hose Assembly, 3/8" x 77" (06F-06M)
27	*G15023	1	Hose Assembly, 3/8" x 154" (06F-06F)
28	*G3292	1	Hose Assembly, 3/8" x 22" (06F-06F)
29	G10923501	1	Vacuum Fan Assembly
30	*A12767	1	Hose Assembly, 1/2" x 22" (08F-08F)
31	---	1	See "Bulk Fill/Vacuum Anti-Cavitation Check Valve Block (Located on Vacuum Fan)" on page P175
32	*A18668-152	1	Hose Assembly, 1/2" x 152" (08F-10M)
33	*A15000	1	Hose Assembly, 3/8" x 164" (06F-06F)
34	*A21525-77	1	Hose Assembly, 5/8" x 77" (10F-10M)
35	*A15082-77	2	Hose Assembly, 3/8" x 77" (06F-06M)
36	*A15092-155	1	Hose Assembly, 3/8" x 155" (06F-08F)
37	*A21530-140	1	Hose Assembly, 5/8" x 140" (10F-10F)
38	**G2403-08-06	1	Union, Male 3/4"-16 JIC x 9/16"-18 JIC
39	*A26938-110	1	Hose Assembly, 3/8" x 110" (1/2M-06F)

*Hydraulic hose is not stocked by Kinze Repair Parts.

(Z0407)

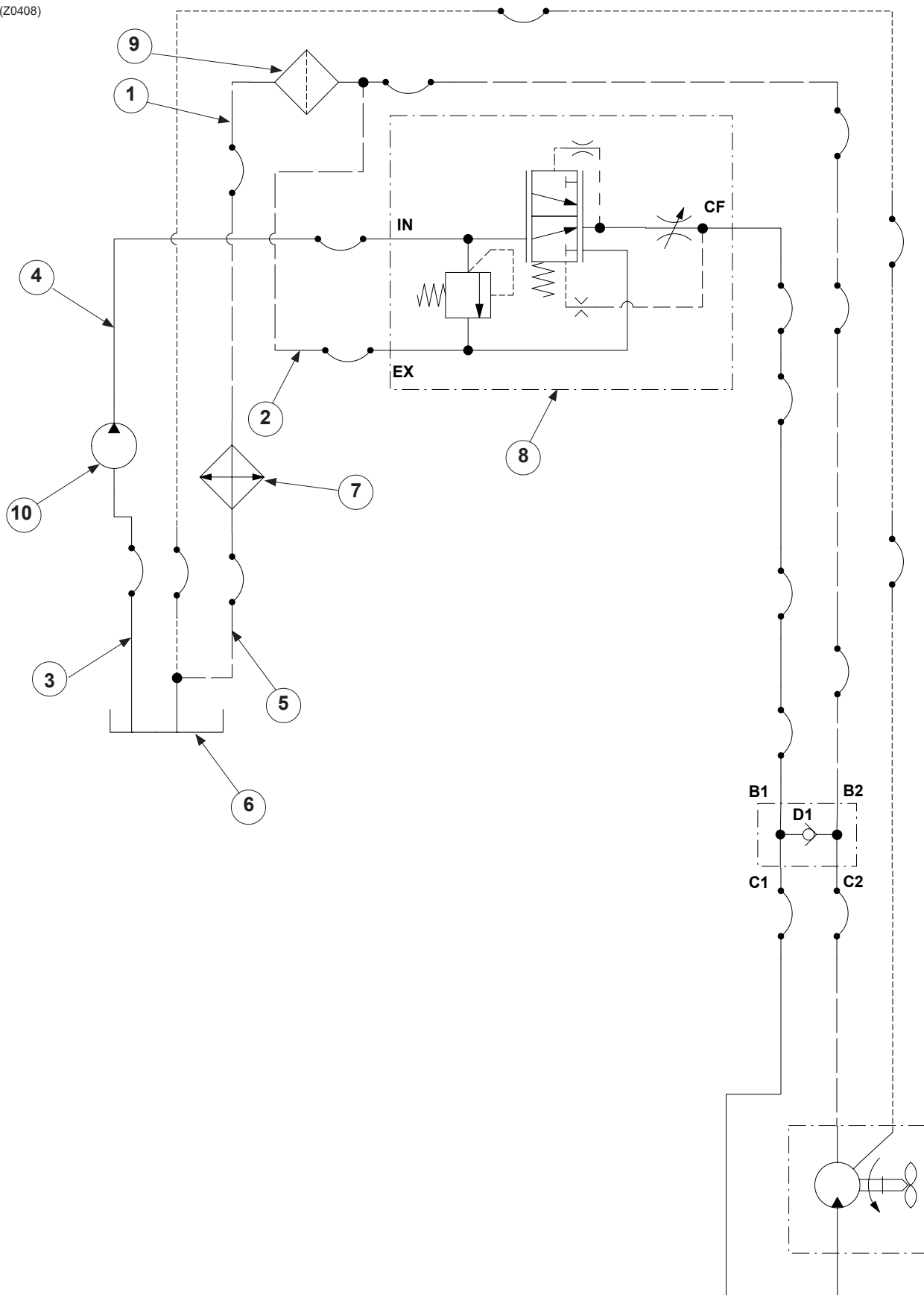


ITEM	PART NO.	QTY.	DESCRIPTION
1	*A3292	1	Hose Assembly, 3/8" x 22" (06F-06F)
2	*A12767	1	Hose Assembly, 1/2" x 22" (08F-08F)
3	*A15023	1	Hose Assembly, 3/8" x 154" (06F-06F)
4	*A18668-152	1	Hose Assembly, 1/2" x 152" (08F-10M)
5	*A15000	1	Hose Assembly, 3/8" x 164" (06F-06F)
6	*A15082-77	2	Hose Assembly, 3/8" x 77" (06F-06M)
7	*A21525-77	1	Hose Assembly, 5/8" x 77" (10F-10M)
8	*A21530-140	1	Hose Assembly, 5/8" x 140" (10F-10F)
9	*A15092-155	1	Hose Assembly, 3/8" x 155" (06F-08F)
10	*A15098-150	1	Hose Assembly, 3/8" x 150" (10F-06M)
11	*A21548-120	1	Hose Assembly, 5/8" x 120" (1/2M-12F)
12	*A26941-112	1	Hose Assembly, 3/8" x 112" (1/2M-10F)
13	*A26938-110	1	Hose Assembly, 3/8" x 110" (1/2M-06F)
14	*A15081-24	1	Hose Assembly, 3/8" x 24" (06F-06F)
15	*A15082-154	1	Hose Assembly, 3/8" x 154" (06F-06M)
16	*A12015	1	Hose Assembly, 3/8" x 17" (06F - 06F)
17	*A8213	1	Hose Assembly, 1/2" x 29" (08F - 08F)
18	*A12080	1	Hose Assembly, 3/8" x 64" (06F - 06F)
19	*A15081-128	1	Hose Assembly, 3/8" x 128" (06F - 06F)
20	*A1434	1	Hose Assembly, 1/2" x 42.5" (08F-08F)
21	*A1155	1	Hose Assembly, 1/4" x 48" (06F - 06F)
22	*A1153	1	Hose Assembly, 1/4" x 56" (06F - 06F)
23	GA10918	1	Flow Control Valve
24	GA19432	1	Inline Check Valve
25	GA22901	1	Shutoff Valve
26	GA24715	1	Plunger Valve
27	---	1	See "Bulk Fill/Vacuum Anti-Cavitation Check Valve Block (Located on Vacuum Fan)" on page P175
28	GA24426	1	Motor
29	---	1	See "Vacuum Fan Assembly" on page P74
30	---	1	See "Bulk Fill/Vacuum Anti-Cavitation Check Valve Block (Located on Vacuum Fan)" on page P175

[See "Vacuum Conventional Planter Hydraulic System" on page P186](#) for part numbers of components that are not listed

***Hydraulic hose is not stocked by Kinze Repair Parts.**

(Z0408)

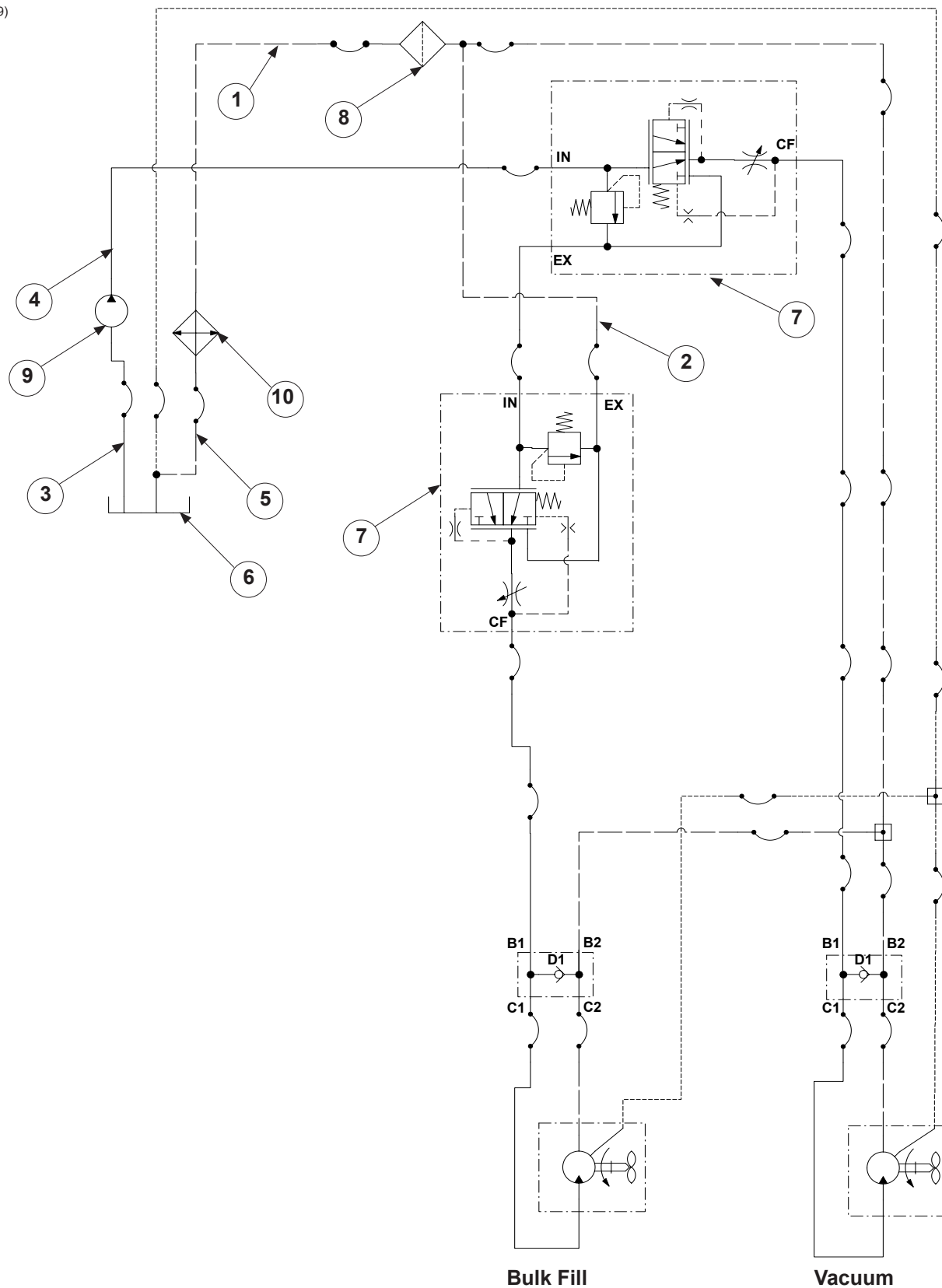


ITEM	PART NO.	QTY.	DESCRIPTION
1	*A3371	1	Hose Assembly, 3/4" x 25" (12F-12F)
2	*A21533-36	1	Hose Assembly, 3/4" x 30" (12M-12F)
3	*A6201	1	Hose Assembly, 1" x 72" (16F-16F)
4	*A1421	1	Hose Assembly, 1/2" x 84" (10F-10F)
5	*A11447	1	Hose Assembly, 5/8" x 45" (12F-12F)
6	GA27105	1	Hydraulic Tank Assembly
7	GA17113	1	Fan and Cooler Assembly
8	GD10918	1	Flow Control Valve
9	GD16037	1	Oil Filter, 10 Micron
10	GA14446	1	PTO Pump

[See "Vacuum Conventional Planter Hydraulic System" on page P186](#) for part numbers of components that are not listed.

***Hydraulic hose is not stocked by Kinze Repair Parts.**

(Z0409)

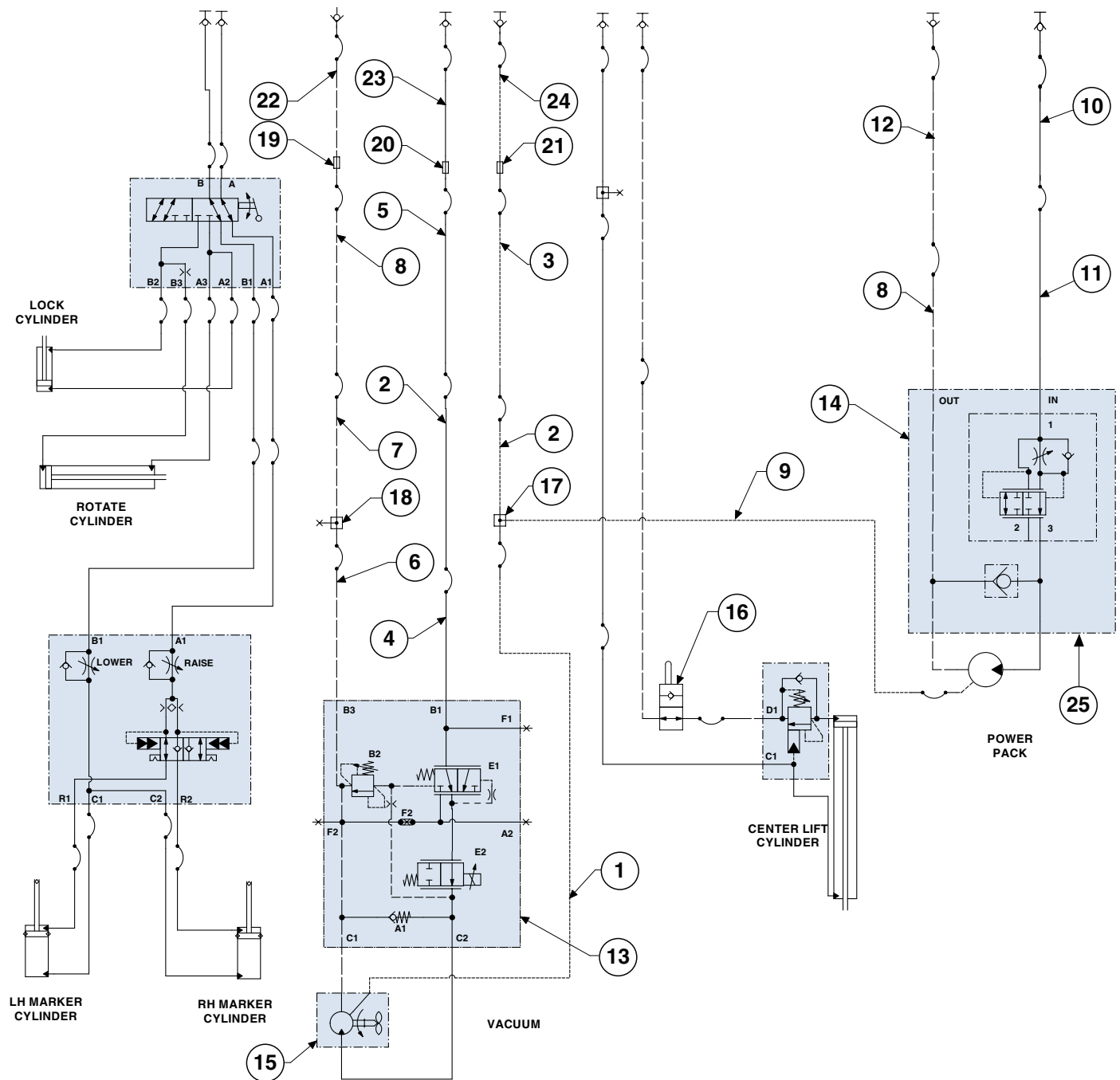


ITEM	PART NO.	QTY.	DESCRIPTION
1	*A3371	1	Hose Assembly, 3/4" x 25" (12F-12F)
2	*A21533-30	1	Hose Assembly, 3/4" x 30" (12M-12F)
3	*A6201	1	Hose Assembly, 1" x 56" (16F-16F)
4	*A1421	1	Hose Assembly, 1/2" x 84" (10F-10F)
5	*A11447	1	Hose Assembly, 5/8" x 45" (12F-12F)
6	GA27105	1	Hydraulic Tank Assembly
7	GA10918	2	Flow Control Valve
8	GD16037	1	Oil Filter, 10 Micron
9	GA14446	1	PTO Pump
10	GA17113	1	Fan and Cooler Assembly

See ["Vacuum Conventional Planter Hydraulic System" on page P186](#) for part numbers of components that are not listed

***Hydraulic hose is not stocked by Kinze Repair Parts.**

(Z0445)

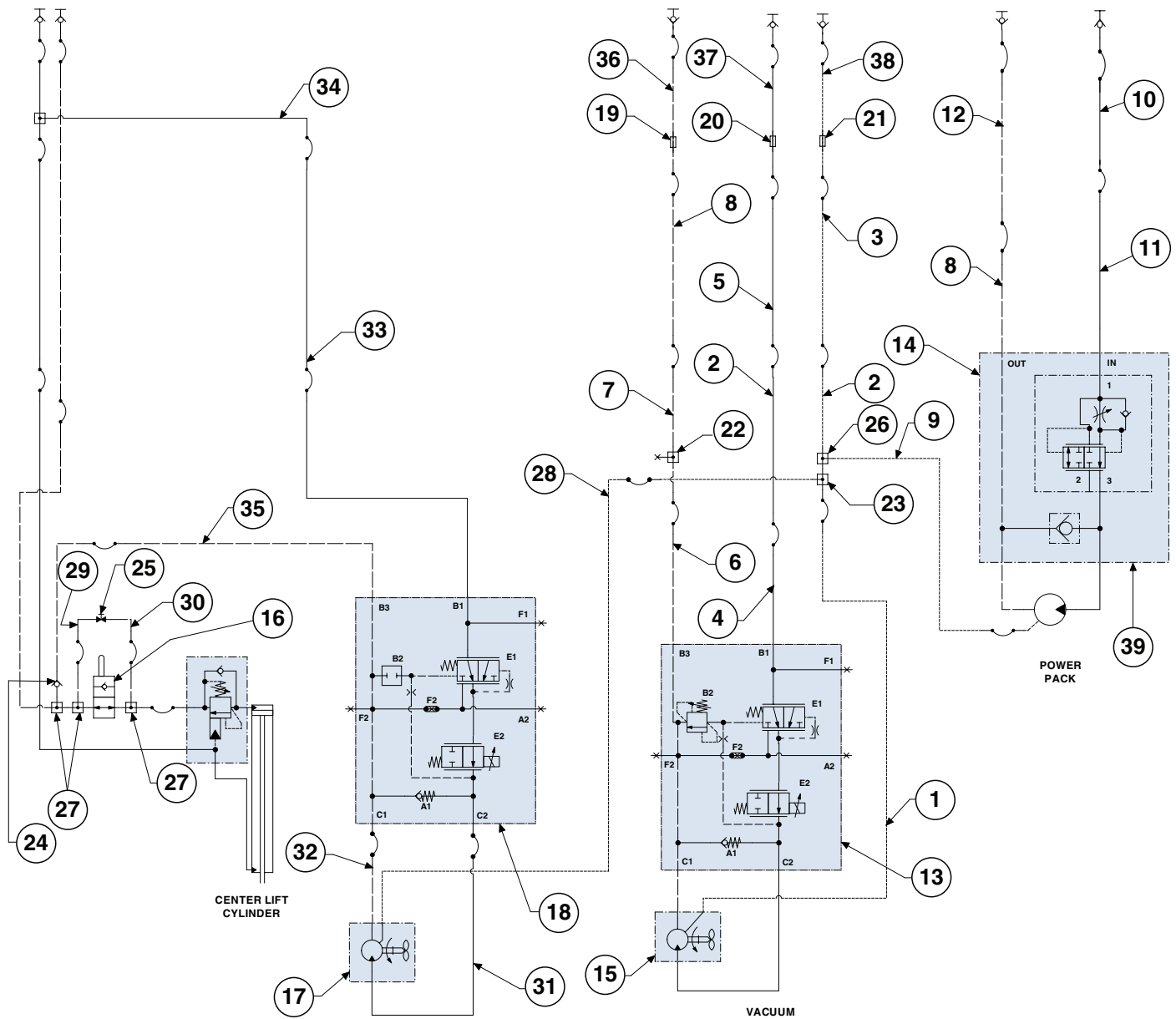


ITEM	PART NO.	QTY.	DESCRIPTION
1	*A15000	1	Hose Assembly, 3/8" x 164" (06F-06F)
2	*A15082-77	2	Hose Assembly, 3/8" x 77" (06F-06M)
3	*A15092-155	1	Hose Assembly, 3/8" x 155" (06F-08F)
4	*A25504-186	1	Hose Assembly, 3/8" x 186" (08F S90-06F)
5	*A15098-150	1	Hose Assembly 3/8" x 150" (10F-06M)
6	*A18676-184	1	Hose Assembly, 1/2" x 184" (10F90S - 10M)
7	*A21525-77	1	Hose Assembly, 5/8" x 77" (10F-10M)
8	*A21530-140	2	Hose Assembly, 5/8" x 140" (10F-10F)
9	*A15081-95	1	Hose Assembly, 3/8" x 95" (06F-06F)
10	*A18695-246	1	Hose Assembly, 1/2" x 246" (7/8-14 Female JIC x 1/2" Male NPTF)
11	*A18667-180	1	Hose Assembly, 1/2" x 180" (08F-08F)
12	*A21550-288	1	Hose Assembly, 5/8" x 288" (1/2M NPTF W/ Special Tip - 10F)
13	---	-	See "Hydraulic Valve Block on Vacuum Motor" on page P80
14	---	-	See "Power Pack Assembly" on page P216
15	---	-	See "Blue Drive Vacuum Fan Assembly" on page P78
16	---	-	See "Stroke Limiter Valve, Conventional" on page P171
17	G2603-06	1	Tee, 9/16"-18 Male JIC
18	G6602-10	1	Swivel Tee, 7/8"-14 JIC
19	G2403-12-10	1	Union, Male 1-1/6-12 JIC x 7/8-14 JIC
20	G2403-10	1	Union, 7/8"-14 Male JIC
21	G2403-08-06	1	Union, Male 3/4-16 JIC x 9/16-18 JIC
22	*A21548-120	1	Hose Assembly 5/8" x 120" (1/2M - 12F)
23	*A26941-112	1	Hose Assembly 3/8" x 112" (1/2M NPTF W/Tip - 06M)
24	*A26938-110	1	Hose Assembly 3/8 X 110 (1/2M - 06F)
25	*10199901	1	See "Manifold Hydraulic Block Assembly" on page P174

[See "Vacuum Conventional Planter Hydraulic System" on page P186](#) for part numbers of components that are not listed

***Hydraulic hose is not stocked by Kinze Repair Parts.**

(Z0446)

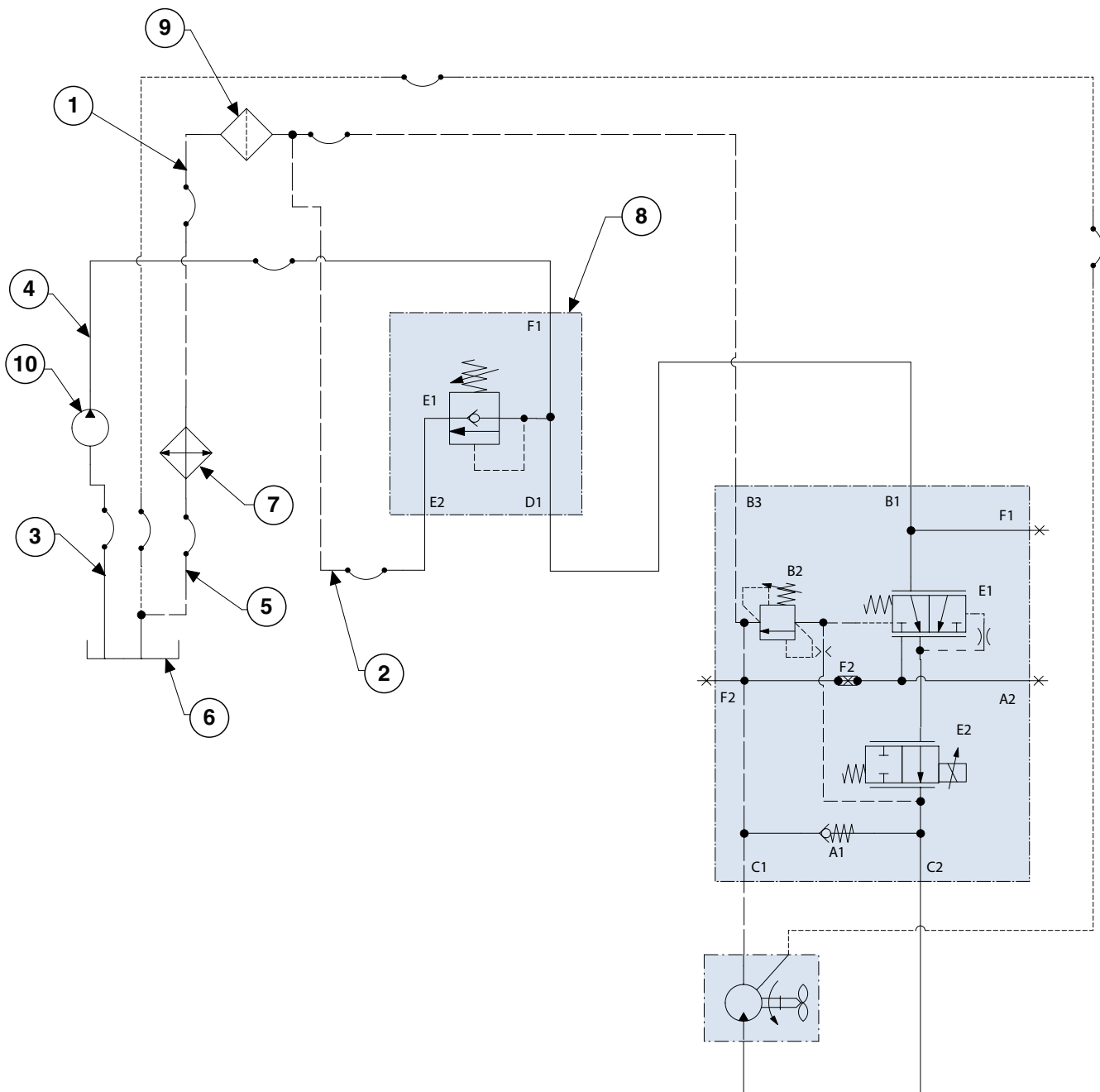


ITEM	PART NO.	QTY.	DESCRIPTION
1	*A15000	-	Hose Assembly, 3/8" x 164" (06F-06F)
2	*A15082-77	-	Hose Assembly, 3/8" x 77" (06F-06M)
3	*A15092-155	-	Hose Assembly, 3/8" x 155" (06F-08F)
4	*A25504-186	-	Hose Assembly, 3/8" x 186" (08F S90-06F)
5	*A15098-150	-	Hose Assembly 3/8" x 150" (10F-06M)
6	*A18676-184	-	Hose Assembly, 1/2" x 184" (10F90S - 10M)
7	*A21525-77	-	Hose Assembly, 5/8" x 77" (10F-10M)
8	*A21530-140	-	Hose Assembly, 5/8" x 140" (10F-10F)
9	*A15081-95	-	Hose Assembly, 3/8" x 95" (06F-06F)
10	*A18695-246	-	Hose Assembly, 1/2" x 246"
11	*A18667-180	-	Hose Assembly, 1/2" x 180" (08F-08F)
12	*A21550-288	-	Hose Assembly, 5/8" x 288" (1/2M NPTF W/ Special Tip - 10F)
13	---	-	See "Hydraulic Valve Block on Vacuum Motor" on page P80
14	---	-	See "Power Pack Assembly" on page P216
15	---	-	See "Blue Drive Vacuum Fan Assembly" on page P78
16	---	-	See "Stroke Limiter Valve, Bulk Fill" on page P170
17	---	-	See "Blue Drive Vacuum Fan Assembly" on page P78
18	---	-	See "Hydraulic Valve Block on Vacuum Motor" on page P80
19	G2403-12-10	-	Union Male 1-1/6-12 JIC X 7/8-14 JIC
20	G2403-10	-	Union, 7/8"-14 Male JIC
21	G2403-08-06	-	Union Male 3/4-16 JIC X 9/16-18 JIC
22	G6602-10	-	Swivel Tee, 7/8"-14 JIC
23	G2603-06	-	Tee, 9/16"-18 Male JIC
24	GA19432	-	Inline Check Valve
25	GA22901	-	Shutoff Valve
26	G6602-06	-	Swivel Tee, 9/16"-18 JIC
27	G6602-08	-	Swivel Tee, 3/4"-16 JIC
28	*A12080	-	Hose Assembly, 3/8" x 64" (06F-06F)
29	*A1153	-	Hose Assembly, 1/4" x 56" (06F-06F)
30	*A1155	-	Hose Assembly, 1/4" x 48" (06F-06F)
31	*A12015	-	Hose Assembly, 3/8" x 17" (06F-06F)
32	*A8213	-	Hose Assembly, 1/2" X 29" (08F-08F)
33	*A3274	-	Hose Assembly, 3/8" x 116" (06F-08F)
34	*A15082-154	-	Hose Assembly, 3/8" x 154" (06F-06M)
35	*A18644	-	Hose Assembly, 1/2" x 34" (08F-10F)
36	*A21548-120	-	Hose Assembly, 5/8" x 120" (1/2M-12F)
37	*A26941-112	-	Hose Assembly, 3/8" x 112" (1/2M-10F)
38	*A26938-110	-	Hose Assembly, 3/8" x 110" (1/2M-06F)
39	*10199901	-	See "Manifold Hydraulic Block Assembly" on page P174

[See "Vacuum Conventional Planter Hydraulic System" on page P186](#) for part numbers of components that are not listed

***Hydraulic hose is not stocked by Kinze Repair Parts.**

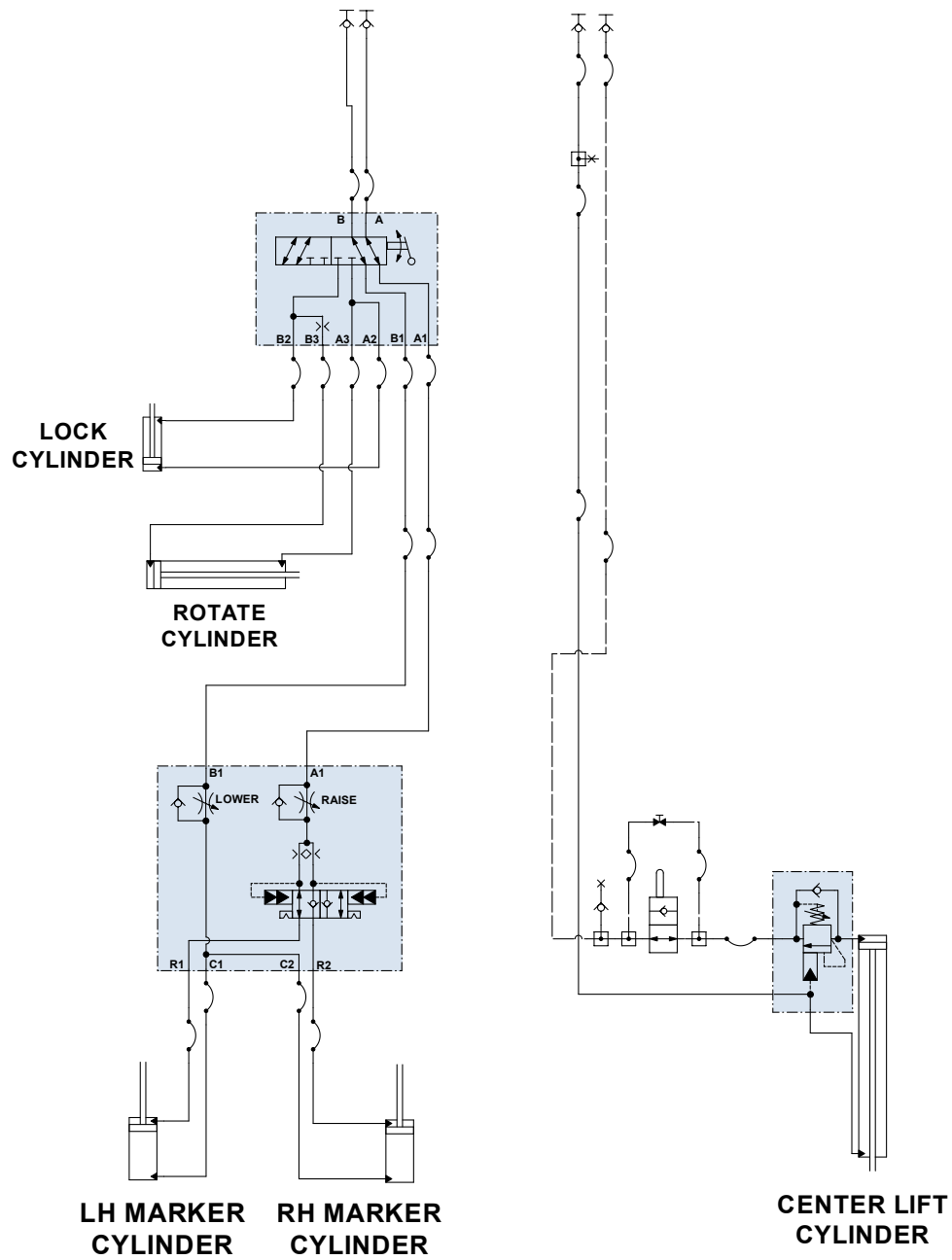
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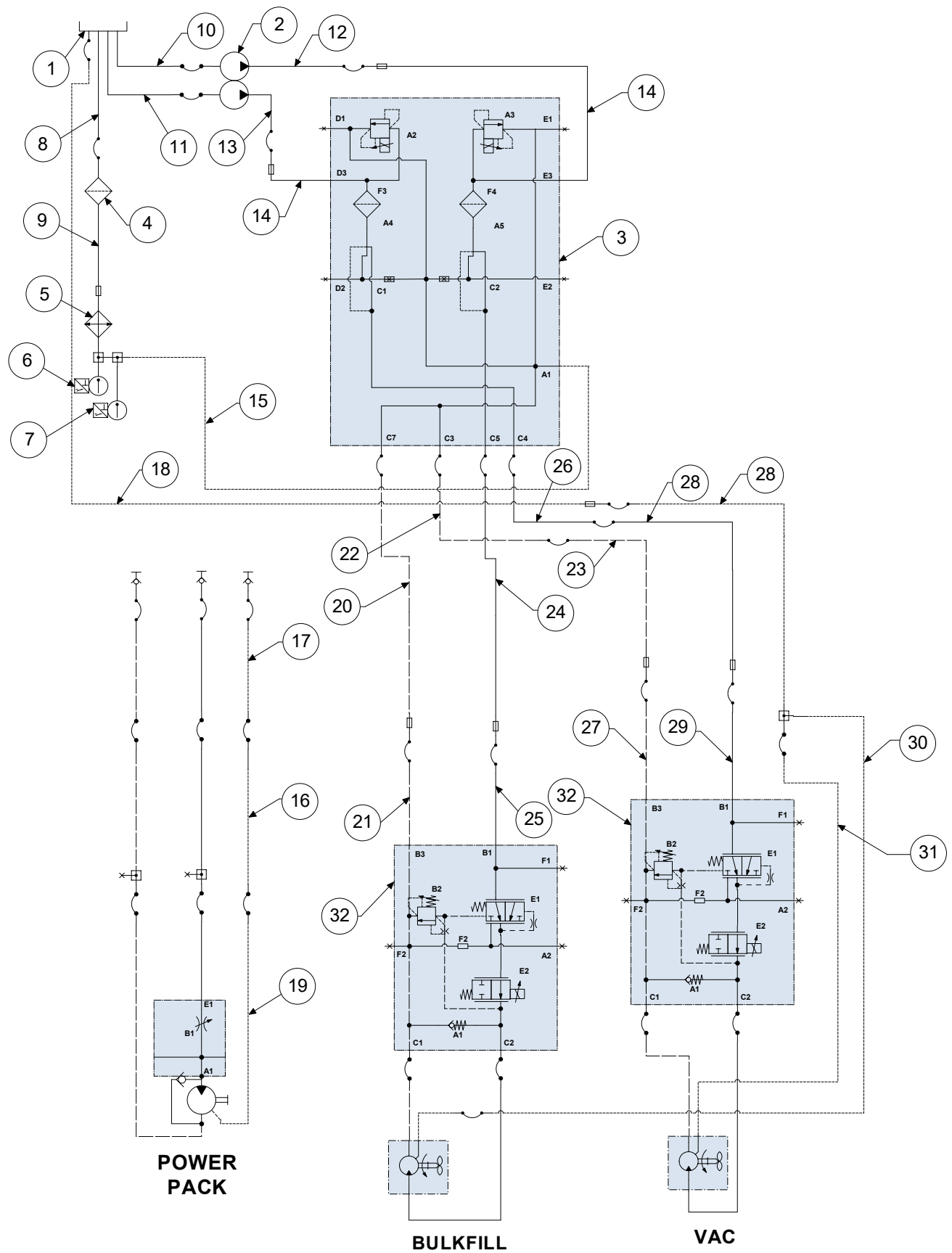


ITEM	PART NO.	QTY.	DESCRIPTION
1	*A3371	1	Hose Assembly, 3/4" x 25" (12F-12F)
2	*A21533-36	1	Hose Assembly, 3/4" x 36" (12F-12F)
3	*A6201	1	Hose Assembly, 1" x 72"
4	*A1421	1	Hose Assembly, 1/2" x 107"
5	*A11447	1	Hose Assembly, 5/8" x 45" (12F-12F)
6	G10200501	1	Hydraulic Tank, 10 Gal. W/Strainer
7	---	1	See "PTO Cooler and Filter Assembly w/ Mounts" on page P88
8	---	1	See "PTO Hydraulic Block Assembly. Blue Drive" on page P177
9	GD16037	1	Oil Filter, 10 Micron
10	GA14446	1	PTO Pump

[See "Blue Drive Vacuum Conventional Planter Hydraulic System" on page P194](#) for part numbers of components that are not listed.

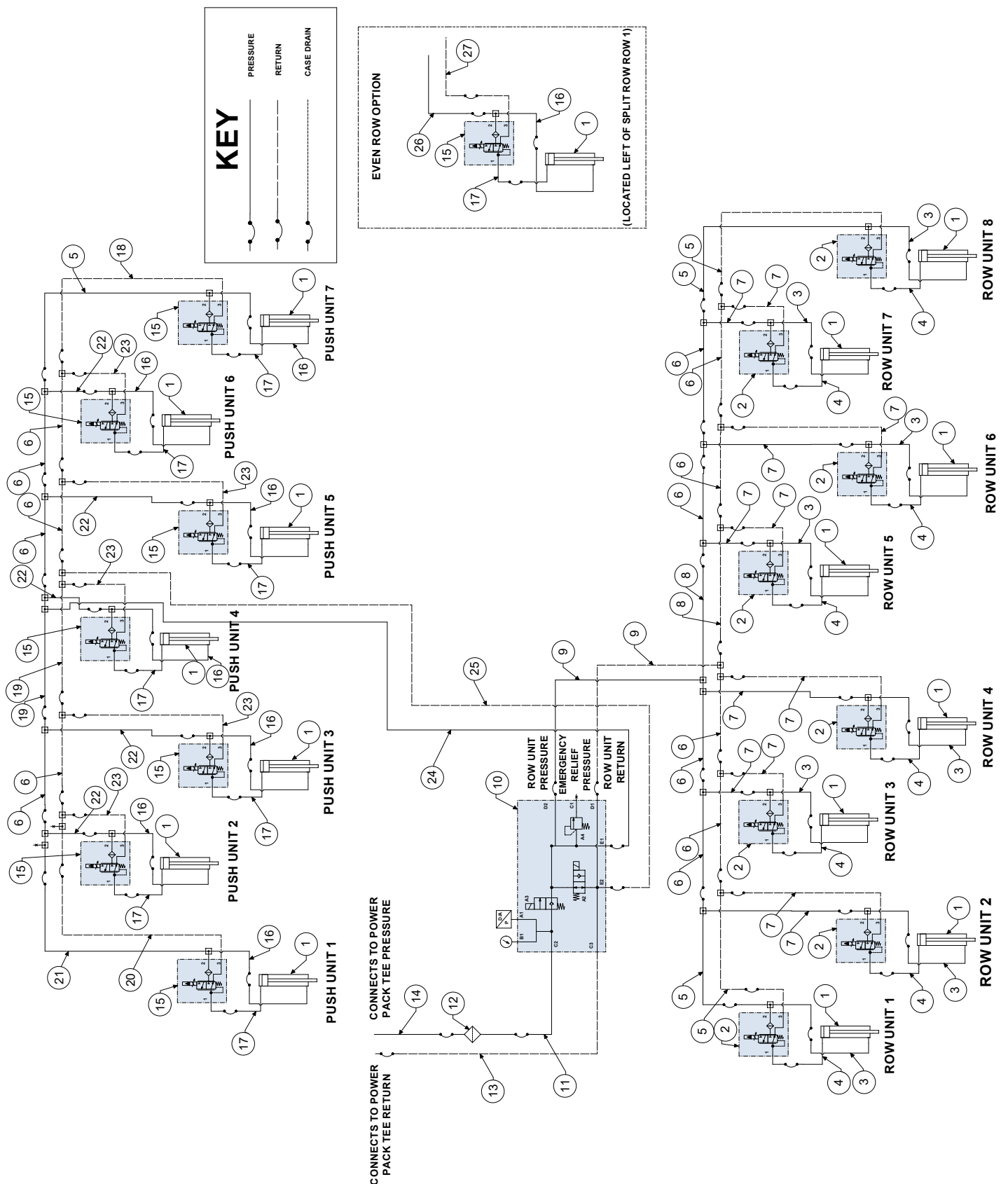
***Hydraulic hose is not stocked by Kinze Repair Parts.**



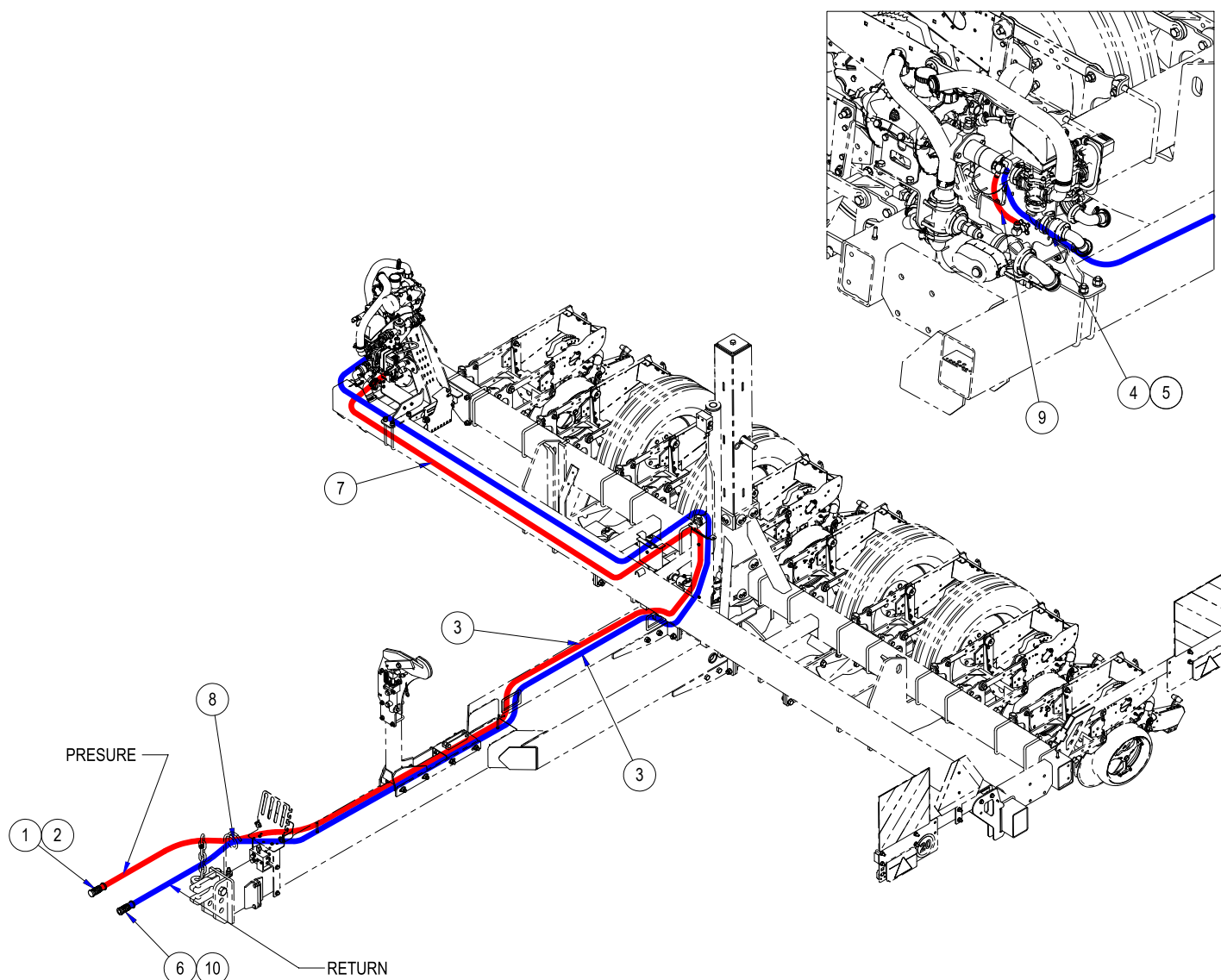


ITEM	PART NO.	QTY.	DESCRIPTION
1	G10333801	1	PTO Reservoir
2	G10288701	1	Gear Pump
3	G10186901	1	Manifold Block
4	GD16037	1	Oil Filter, 10 Micron
5	G10339301	1	Oil Cooler and Fan
6	G10087001	1	Temperature Sensor, 100°
7	G10098201	1	Temperature Sensor, 200°
8	* A12937-24	1	Hose Assembly, 3/4" x 24" (12F - 12F90S)
9	G10399801	1	Steel Hydraulic Line, 3/4"
10	*A11810-72	1	Hose Assembly, 1" x 72" (20F - 20F)
11	*A11810-68	1	Hose Assembly, 1" x 68" (20F - 20F)
12	*A25707-72	1	Hose Assembly, 1/2" AR x 72" (10F45 - 12F)
13	*A25707-68	1	Hose Assembly, 1/2" AR x 68" (10F45 - 12F)
14	G10333501	2	Steel Hydraulic Line, 5/8"
15	G10399901	1	Steel Hydraulic Line, 3/4"
16	*A15082-77	1	Hose Assembly, 3/8" x 77" (06F-06M)
17	*A26938-266	1	Hose Assembly, 3/8" x 266"
18	*A15092-155	1	Hose Assembly, 3/8" x 155" (06F-08F)
19	*A15081-95	1	Hose Assembly, 3/8" x 95" (06F-06F)
20	*A25704-242	1	Hose Assembly, 1/2" AR x 242" (08F - 08M JIC)
21	*A18644	1	Hose Assembly, 1/2" x 34" (08F-10F)
22	*A21530-140	1	Hose Assembly, 5/8" x 140" (10F-10F)
23	*A21525-77	1	Hose Assembly, 5/8" x 77" (10F-10M)
24	*A15082-154	1	Hose Assembly, 3/8" x 154" (06F-06M)
25	*A3274	1	Hose Assembly, 3/8" x 116" (06F-08F)
26	*A15098-150	1	Hose Assembly 3/8" x 150" (10F-06M)
27	*A18676-184	1	Hose Assembly, 1/2" x 184" (10F90S - 10M)
28	*A15082-77	2	Hose Assembly, 3/8" x 77" (06F-06M)
29	*A25504-186	1	Hose Assembly, 3/8" x 186" (08F S90-06F)
30	*A12080	1	Hose Assembly, 3/8" x 64" (06F-06F)
31	*A15000	1	Hose Assembly, 3/8" x 164" (06F-06F)
32	GA26164	2	Blue Drive Block

*Hydraulic hose is not stocked by Kinze Repair Parts.



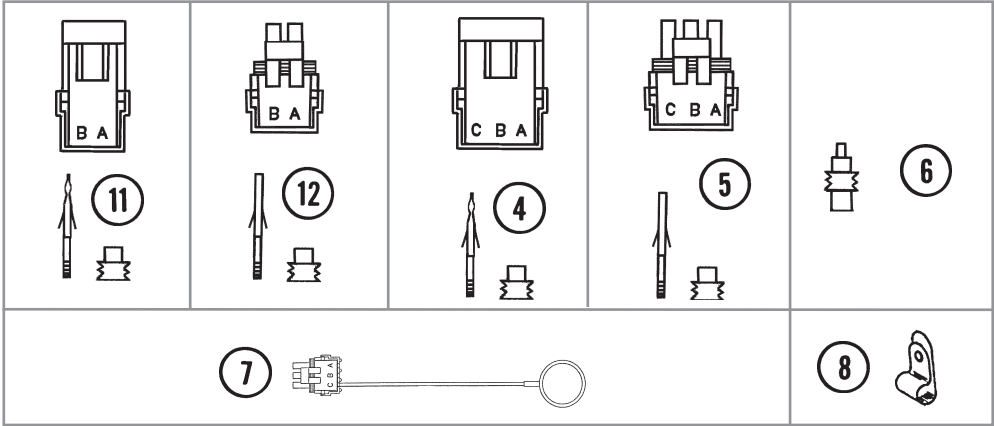
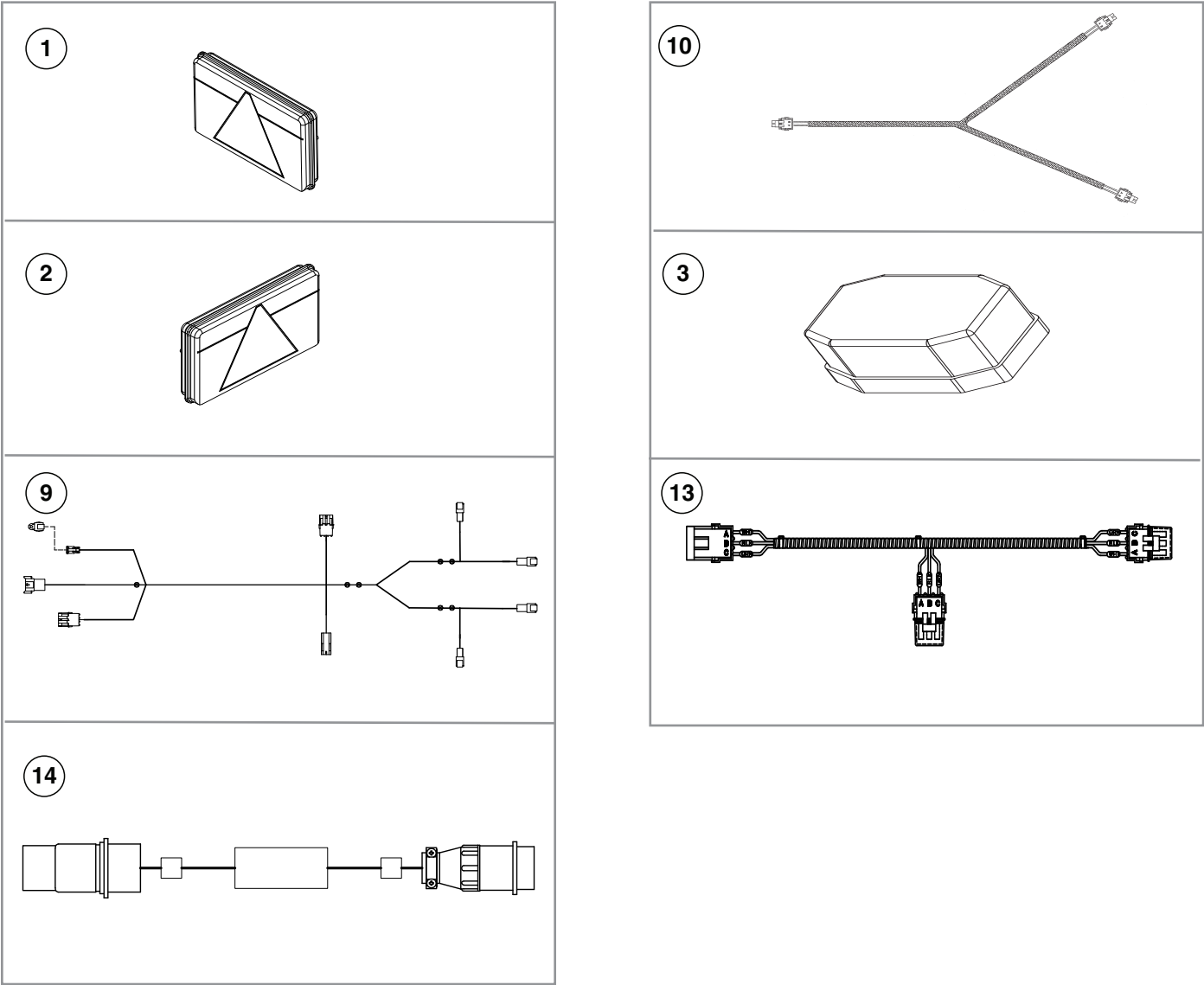
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25261	16	Cylinder Complete, 1¼" x 4¼"
2	GA25264	8	Row Unit Control Block
3	*A7677-20	8	Hose Assembly, 1/4" x 20" (04F - 04F STD 90)
4	*A7678-13	8	Hose Assembly, 1/4" x 13" (04F-04F)
5	*A7680-35	5	Hose Assembly, 1/4" x 35" (04F-06F)
6	*A12038	14	Hose Assembly, 3/8" x 30" (06F-06F)
7	*A7680-10	12	Hose Assembly, 1/4" x 10" (04F-06F)
8	*A15081-32	2	Hose Assembly, 3/8" x 32" (06F-06F)
9	*A25504-19	2	Hose Assembly, 3/8" x 19" (06F-08F90S)
10	GA25289	1	Down Force Manifold Block Assembly
11	*A18671-30	1	Hose Assembly, 1/2" x 30" (08F-08F90S)
12	GA25857	1	In-Line Filter Assembly
13	*A21542-64	1	Hose Assembly, 5/8" x 64" (10F-10F90M)
14	*A18667-72	1	Hose Assembly, 1/2" x 72" (08F-08F)
15	GA25265	8	Row Unit Control Block
16	*A7678-19	8	Hose Assembly, 1/4" x 19" (04F-04F)
17	*A7678-20	8	Hose Assembly, 1/4" x 20" (04F-04F)
18	*A7682-35	1	Hose Assembly, 1/4" x 35" (04F90L-06F)
19	*A15081-27	2	Hose Assembly, 3/8" x 27" (06F-06F)
20	*A7682-25	1	Hose Assembly, 1/4" x 25" (04L90F-06F)
21	*A7680-15	1	Hose Assembly, 1/4" x 15" (04F-06F)
22	*A7680-11	5	Hose Assembly, 1/4" x 11" (04F-06F)
23	*A7680-14	5	Hose Assembly, 1/4" x 14" (04F-06F)
24	*A25690-67	1	Hose Assembly, 3/8" x 67" (06F-08F90M)
25	*A25690-58	1	Hose Assembly, 3/8" x 58" (06F-08F90M)
26	*A7681-58	1	Hose Assembly, 1/4" x 58" (0490F-06F)
27	*A7682-58	1	Hose Assembly, 1/4" x 58" (04F90L-06F)
*Hydraulic hose is not stocked by Kinze Repair Parts.			



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA26924-12	1	Hose Label Cover, Brown Extend
2	*A26936-250	1	Hose Assembly W/Tip, 3/8" x 250" (1/2" M NPTF - 08F)
3	G2403-08	2	Hydraulic Fitting
4	*A1029	1	Hose Assembly, 3/8" x 190"
5	G2406-08-06	1	Reducer, 3/4"-16 Female JIC To 9/16"-18 Male JIC
6	GA26924-13	1	Hose Label Cover, Brown Retract
7	*A1078	1	Hose Assembly, 3/8" x 174"
8	G10542204	1	Hose Wrap, 0.5 M
9	*A12015	1	Hose Assembly, 3/8" x 17"
10	*A26937-269	1	Hose Assembly W/Tip, 3/8" x 269" (1/2" M NPTF - 08F)

*Hydraulic hose is not stocked by Kinze Repair Parts.

(TWL23/A9152a/ELC38/MTR27v/MTR27a/ELC8/ELC39/A9689/A10924)



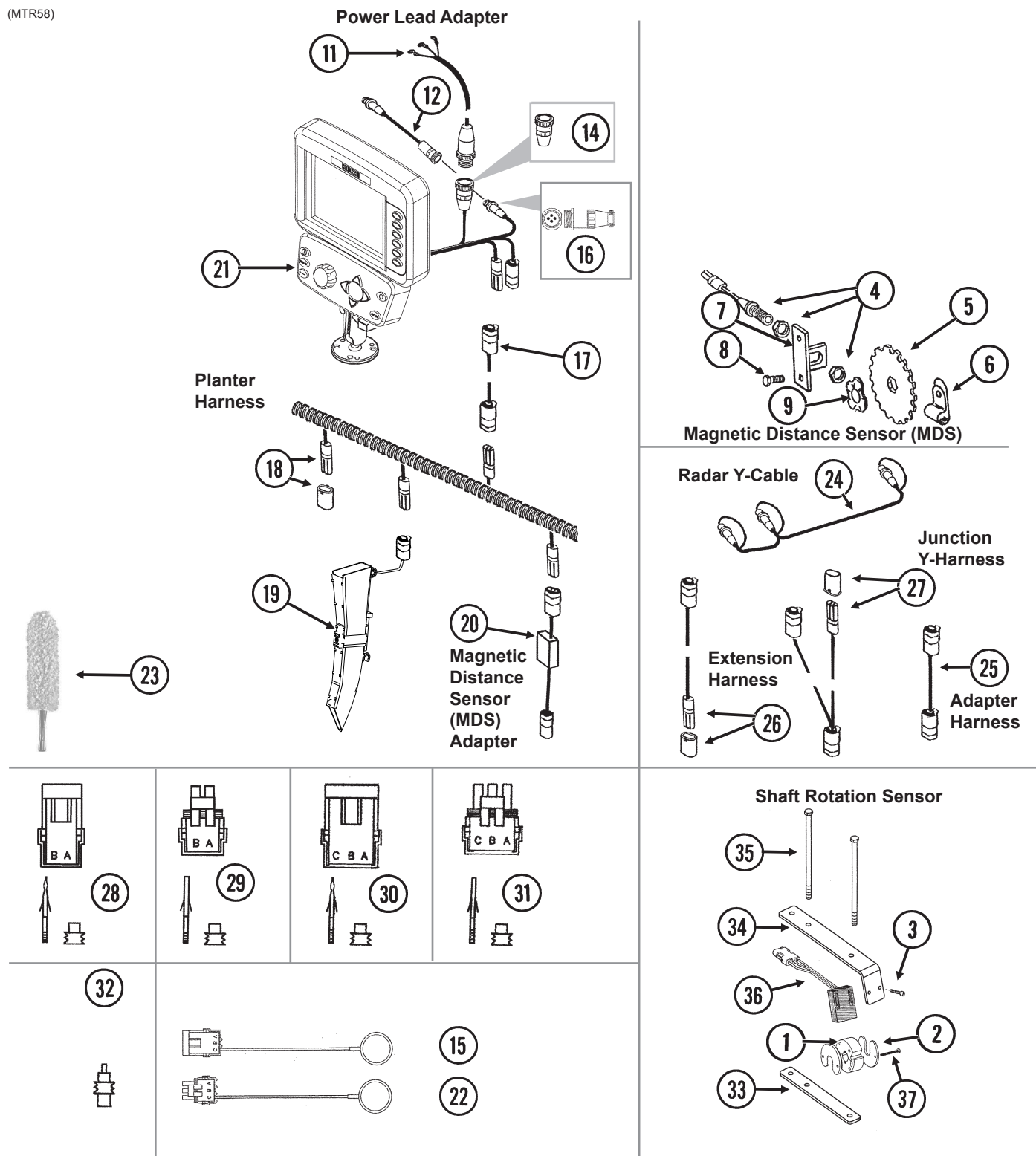
Electrical Components

M0311-02

Model 3505

ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25774	1	Light Assembly (RH)
2	GA25775	1	Light Assembly (LH)
3	GA25776	2	Light Assembly
4	G1K248	-	3-Pin Female Connector Kit (Black), Includes: (3) 3-Pin Female Housings, (9) Pin Contacts, (9) Seals
5	G1K252	-	3-Pin Male Connector Kit (Black), Includes: (3) 3-Pin Male Housings, (9) Socket Contacts, (9) Seals
6	GD11089	-	Sealing Plug
7	GA8047	-	Dust Plug (Black)
8	GD6291	1-2	Insulated Clamp, 3/8"
	GD22965	-	Insulated Clamp, 1/4"
	G11091	-	Serrated Flange Nut, 3/8"-16
9	G10316201	-	7 Terminal Female Connector (Included W/GA9152 and GA9153)
10	GA10924	1	Wiring Harness, 348"
11	G1K321	-	2-Pin Female Connector Kit (Black), Includes: (3) 2-Pin Female Housings, (6) Pin Contacts, (6) Seals
12	G1K320	-	2-Pin Male Connector Kit (Black), Includes: (3) 2-Pin Male Housings, (6) Socket Contacts, (6) Seals
13	GA13551	-	Tee Junction Harness
14	GA26751	-	EU Power Adapter Harness

(MTR58)

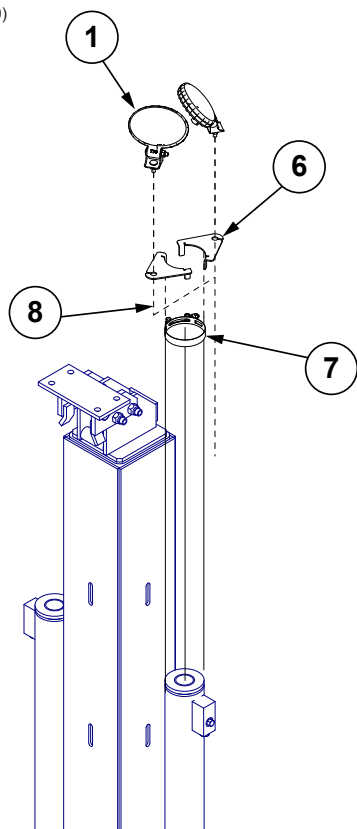


ITEM	PART NO.	QTY.	DESCRIPTION
1	GR1414	1	Actuator
2	GD11474	2	Cover
3	G11960	2	Philips Pan Head Machine Screw #8-32 x 1-1/4"
	G11961	2	Flat Washer #8
	G11202	2	Lock Nut W/Nylon Insert, No. 8-32, Stainless Steel
4	GA5600	1	Magnetic Distance Sensor
5	GD8751	-	Magnetic Distance Sensor Pulse Wheel
6	GD13348	-	Insulated Clamp, 1 1/16"
7	GD8770	1	Bracket
8	G11124	2	Hex Head Cap Screw, 3/8"-16 x 1"
	G10229	2	Lock Washer, 3/8"
	G10101	2	Hex Nut, 3/8"-16
9	GD8771	1	Spring Wave Washer
10	---	-	---
11	GA17547	1	Power Adapter Cable
12	GA9144	-	Monitor/Radar Adapter Cable, 10"
13	---	-	---
14	G1K268	-	Console Cable Connector Kit, Includes: (1) Cable Clamp, (1) 3-Pin Connector, (1) Lock Ring, (3) Female Terminal Pins
15	GA8046	-	Dust Plug (Black)
	GA9978	-	Dust Plug (Blue)
16	G1K322	-	4-Pin Connector Kit W/Male Housing, Includes: (4) Female Socket Contacts And (1) Cable Clamp
17	---	-	Included In Light Wiring Harness, See Item 2, page P206
18	GA7850	-	Planter Harness W/Dust Caps, 8 Row (12 Connectors)
	GB1090	-	Dust Cap (Included W/GA7850)
19	GA21515	-	Seed Tube W/Computerized Sensor
	GA20902	-	Seed Tube (With Holes For Sensor Installation)
20	GA7859	1	Magnetic Distance Sensor Adapter (Analog To Digital)
21	G8647X	1	KPM III Backlit Console W/Brush (Item 23), Dust Plug (Item 22), Console Mounting Bracket Hardware And Power Harness
	GA12403	-	Mounting Bracket Assembly, Includes: (2) Mounting Brackets, (2) Connector Halves, (1) Compression Spring, (1) Tension Knob, (1) 1/4"-20 x 1 3/4" Hex Head Cap Screw, (1) 1/4" Plastic Washer, (1) 1/4" Steel Washer
	GR1762	-	Console Mounting Bracket Hardware Package, Includes: (3) No. 10-32 x 5/8" Hex Socket Pan Head Plated Screws, (3) 1/4" Plated Lock Washers
	GA16082	-	KPM III Console Power Harness
22	GA8047	-	Dust Plug (Black)
	GA9978	-	Dust Plug (Blue)
23	G10475701	-	Professional Microfiber Duster, 19" (for cleaning Seed Tube sensors)
24	GR0586	1	Radar Y-Cable (Used To Connect Radar Distance Sensor For Multiple Functions)
25	GA7857	-	Adapter Harness, 1'
26	GA7854	-	Extension Harness W/Dust Cap, 15'
	GA7855	-	Extension Harness W/Dust Cap, 30'
	GB1090	-	Dust Cap (Included W/GA7854 and GA7855)
27	GA7853	-	Junction Y-Harness W/Dust Cap
	GB1090	-	Dust Cap (Included W/GA7853)
28	G1K321	-	2-Pin Female Connector Kit (Black), Includes: (3) 2-Pin Female Housings, (6) Pin Contacts, (6) Seals
29	G1K320	-	2-Pin Male Connector Kit (Black), Includes: (3) 2-Pin Male Housings, (6) Socket Contacts, (6) Seals

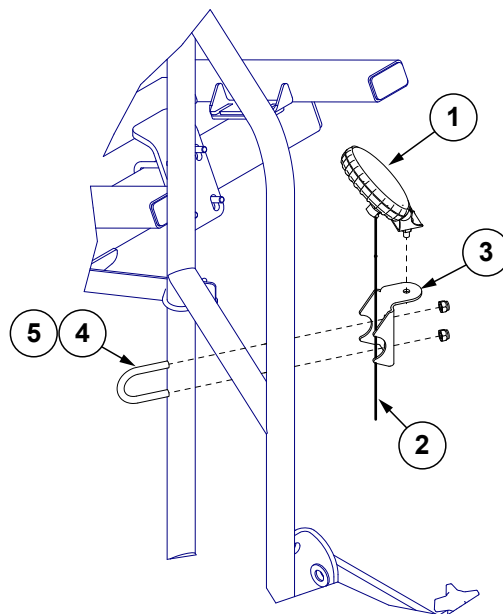
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ITEM	PART NO.	QTY.	DESCRIPTION
30	G1K248	-	3-Pin Female Connector Kit (Black), Includes: (3) 3-Pin Female Housings, (9) Pin Contacts, (9) Seals
	G1K362	-	3-Pin Female Connector Kit (Blue), Includes: (3) 3-Pin Female Housings, (9) Pin Contacts, (9) Seals
31	G1K252	-	3-Pin Male Connector Kit (Black), Includes: (3) 3-Pin Male Housings, (9) Socket Contacts, (9) Seals
	G1K363	-	3-Pin Male Connector Kit (Blue), Includes: (3) 3-Pin Male Housings, (9) Socket Contacts, (9) Seals
32	GD11089	-	Sealing Plug
33	GD18168	2	Mount
34	GD18118	2	Shaft Sensor Mount
35	G10229401	2	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 8-1/2"
	G11387	1	Flat Washer, $\frac{3}{8}$ "
	G10108	2	Lock Nut, $\frac{3}{8}$ "-16
36	GR1415	1	Rotation Sensor
37	G11202	2	Lock Nut W/Nylon Insert, No. 8-32, Stainless Steel
	G11960	2	Philips Pan Head Machine Screw #8-32 x 1-1/4"
A	GA6147	-	Magnetic Distance Sensor And Mounting Package (Items 4-9)
B	GR1763	-	KPM III Loaner (Display Only)
C	GA13521	-	Shaft Sensor Mounting Package (Items 2-3 and 33-35)
D	GA8135	-	Shaft Rotation Kit, Includes: (2) Actuators (2) Rotation Sensors

(10047601/A24506/A26060)



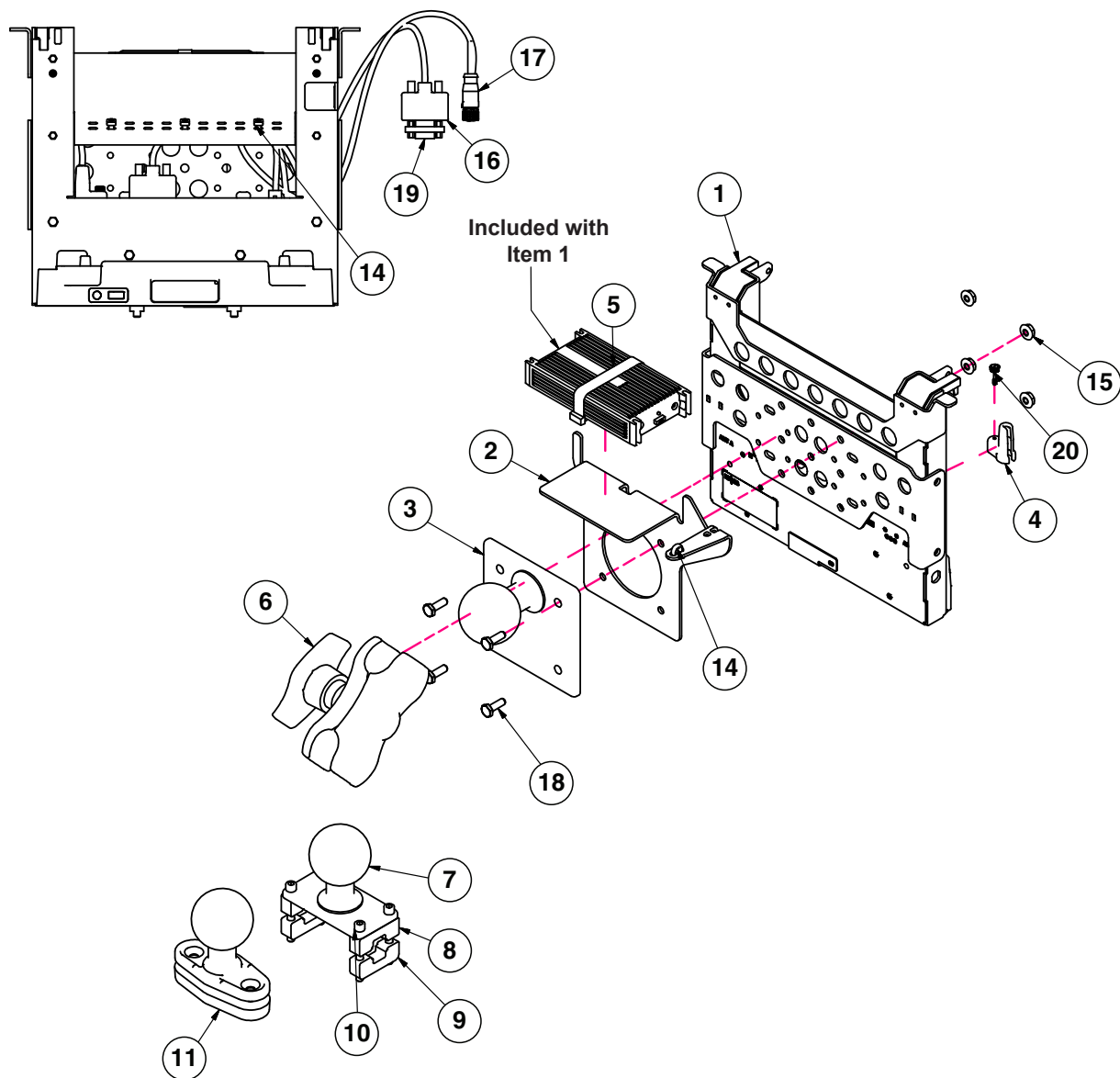
Conventional



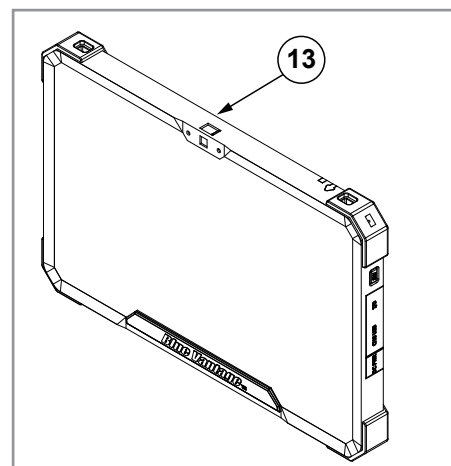
Bulk Fill

ITEM	PART NO.	QTY.	DESCRIPTION
1	GA18486	2	LED Work Light Assembly
	GA22547	1	Worklight Harness Relay (Blue Drive Only)
2	GA24605	1	Worklight Wire Harness (Ground Contact Drive)
	GA26885	1	Worklight Wire Harness (Blue Drive)
3	GD26989	2	Work Light Bracket
4	GD27190	2	U-Bolt, 1½" x ⅜"-16
5	G11091	4	Serrated Flange Nut, ⅜"-16
6	GD35928	2	Bracket, 4¼" x 4"
	G11386	2	Flat Washer, ⅝" SAE
7	G11160	1	T-Bolt Clamp, 3-3/4", Stainless Steel

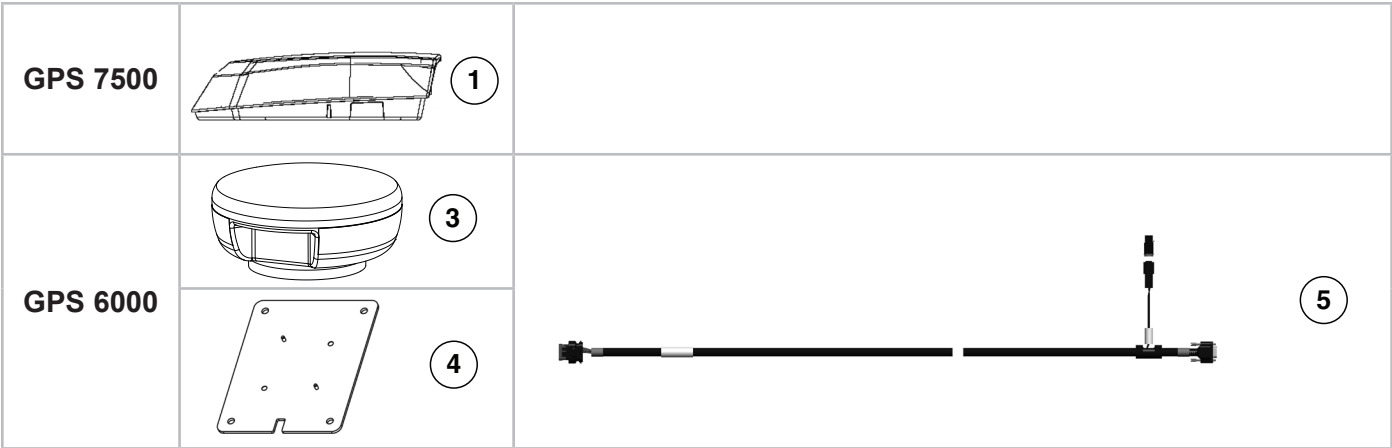
(A25406/A25408)

**12****GPS Interface Package Includes:**

- (1) GPS Installation Sheet
- (1) Meter Serial Ext. Cable
- (1) 1600 AgLeader GPS Cable
- (1) Trimble to Starfire Adapter Cable
- (1) M/M DB9 Serial Connector
- (1) F/F DB9 Serial Connector
- (1) Null Modem M/F DB9 Conector
- (1) GPS Harness

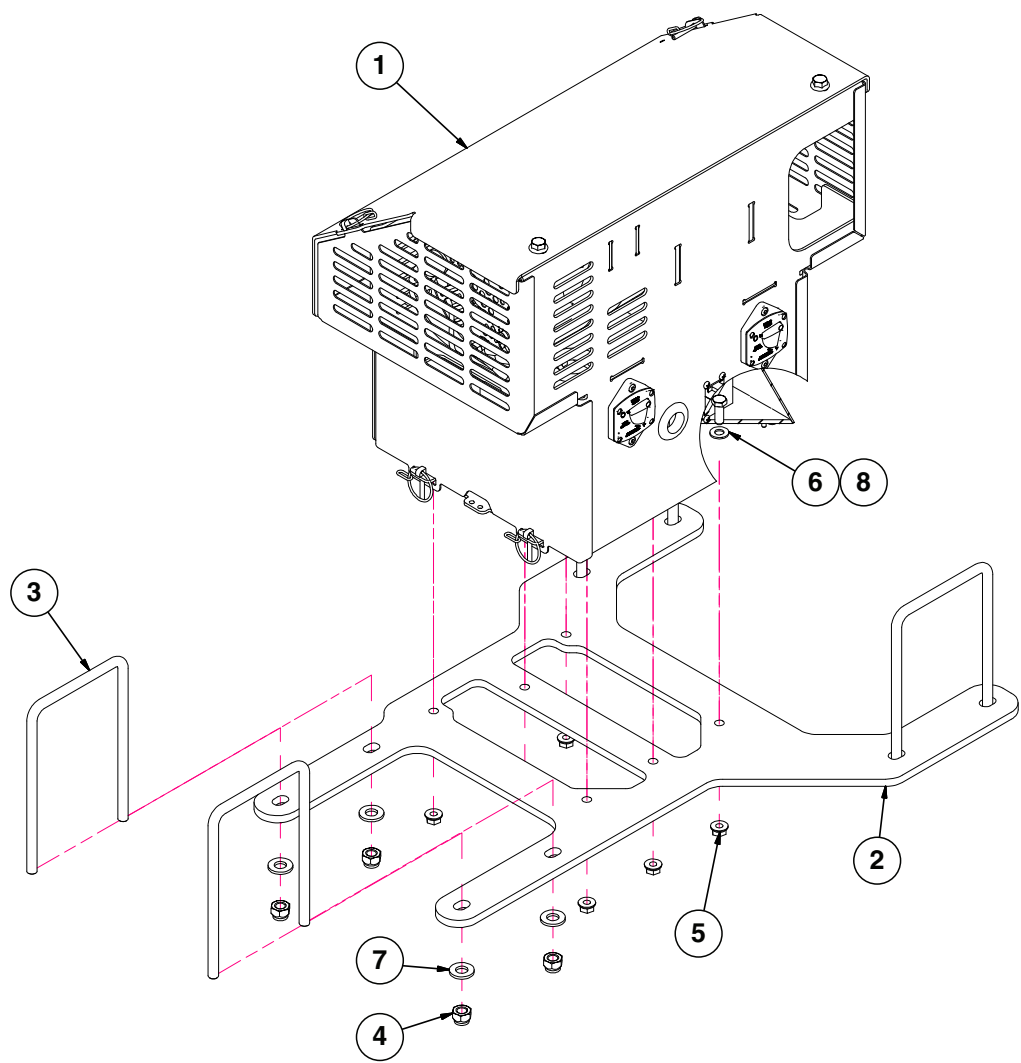


ITEM	PART NO.	QTY.	DESCRIPTION
1	GA24281	1	Docking Station
2	GD35216	1	Display Power Supply Mount
3	GD33756	1	Ram Ball, 2¼"
4	GD36723	1	Havis Station Cord Retainer
5	GD10544	1	Cable Tie, 45-1/2"
6	GA24285	1	Double Socket Ram Arm (Short)
7	GD33757	1	Ram Ball W/Plate, 2¼" Ball
8	GD33758	2	Ram Mount Clamp Block, Top
9	GD33759	2	Ram Mount Clamp Block, Bottom
10	G11106	4	Hex Socket Head Cap Screw, ¼"-20 x 2¼"
11	GA24284	1	Ram Ball W/Base, 2½" Ball
12	GA21143	1	GPS Interface Package
13	G10243001	1	Blue Vantage Tablet
14	GD1512	4	Cable Tie, 7-1/2"
15	G10621	4	Serrated Flange Nut, ¼"-20
16	GA25437	1	DB9 Cable F/F
17	GA25399-36	1	Ethernet Cable (RJ45-Female M12 STR), 36"
18	G10023	4	Hex Head Cap Screw, ¼"-20 x ¾"
19	GD35465	1	DB9 M/M Harness Adapter
20	GD36724	1	Thumb Screw, 4-40 x 0.281



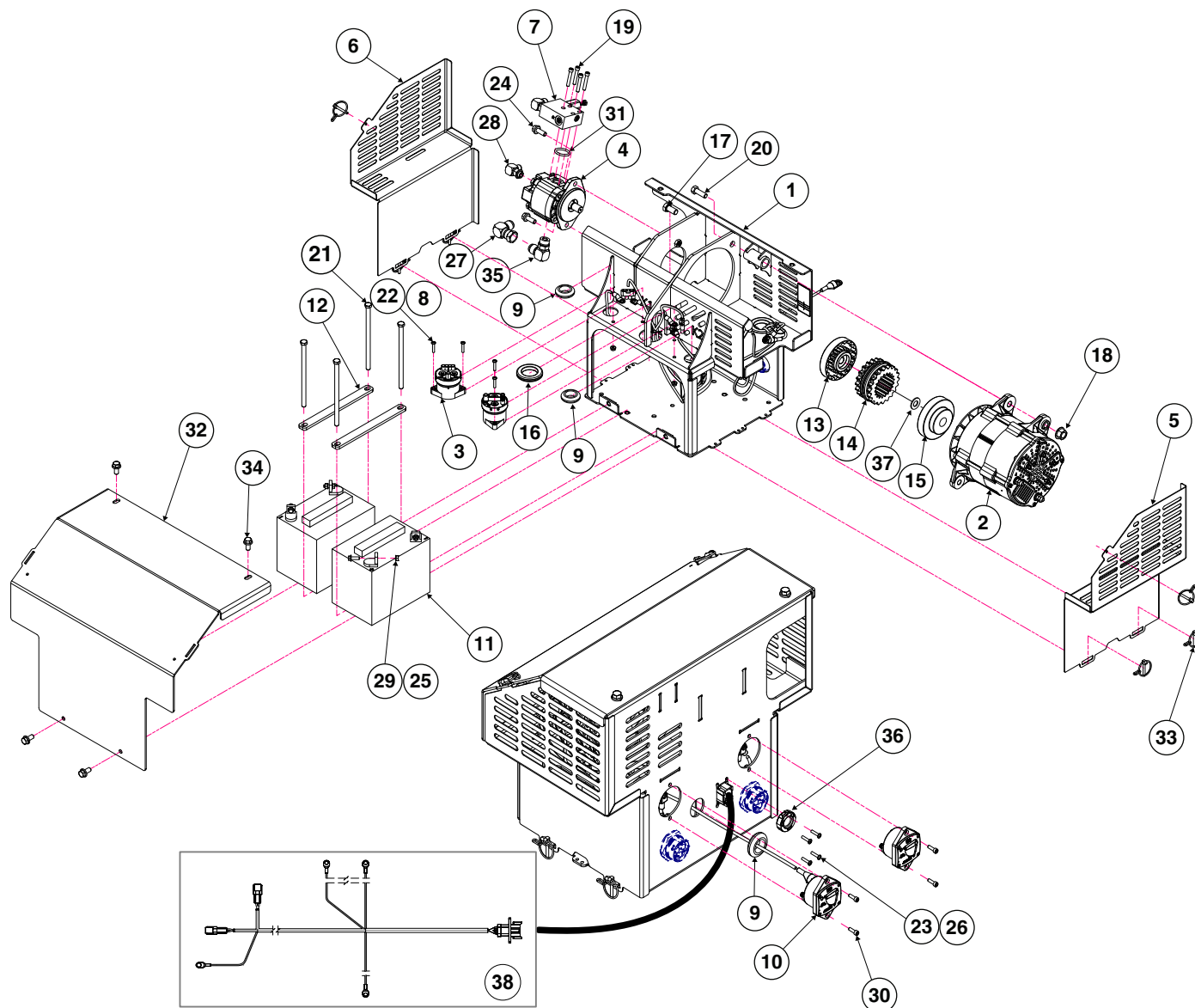
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10201101	1	GPS Kit, 7500
2	---	-	---
3	GA21151	1	GPS Antenna, 6000
4	GA21152	1	GPS Mounting Bracket
5	GA20903	1	GPS Cable, 6000
A	G9421X	-	GPS 6000 Antenna Package (Items 3-5)

(102576)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10112902	1	See "Power Pack Assembly" on page P216
2	G10257701	1	Power Pack Mounting Bracket
3	GD8306	4	U-Bolt, 7" x 5" x 1/2"-13
4	G10111	8	Lock Nut, 1/2"-13
5	G10622	6	Serrated Flange Nut, 3/8"-16
6	G10001	6	Hex Head Cap Screw, 3/8"-16 x 1"
7	G11389	8	Flat Washer, 1/2" Plated SAE
8	G11387	6	Flat Washer, 3/8" SAE

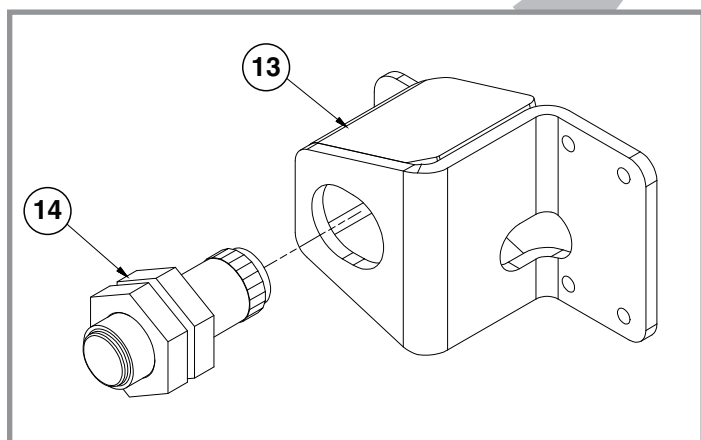
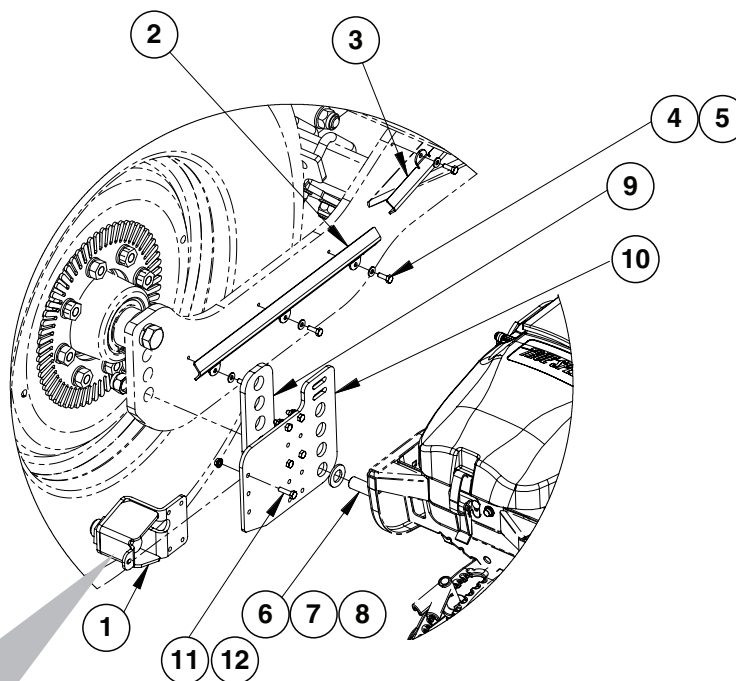
(101129)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10416001	1	Battery Box
2	GA19301	1	Alternator
3	G10584701	2	Contactor
4	G10169501	1	Hydraulic Motor
5	GD36822	1	Battery Box Vent
6	GD36821	1	Battery Box Vent
7	---	-	See "Manifold Hydraulic Block Assembly" on page P174
8	G11472	4	PPHMS #10-24
9	GD22200	3	Grommet, 1"
10	GD28354	2	Circuit Breaker, 100 Amp Panel Mount

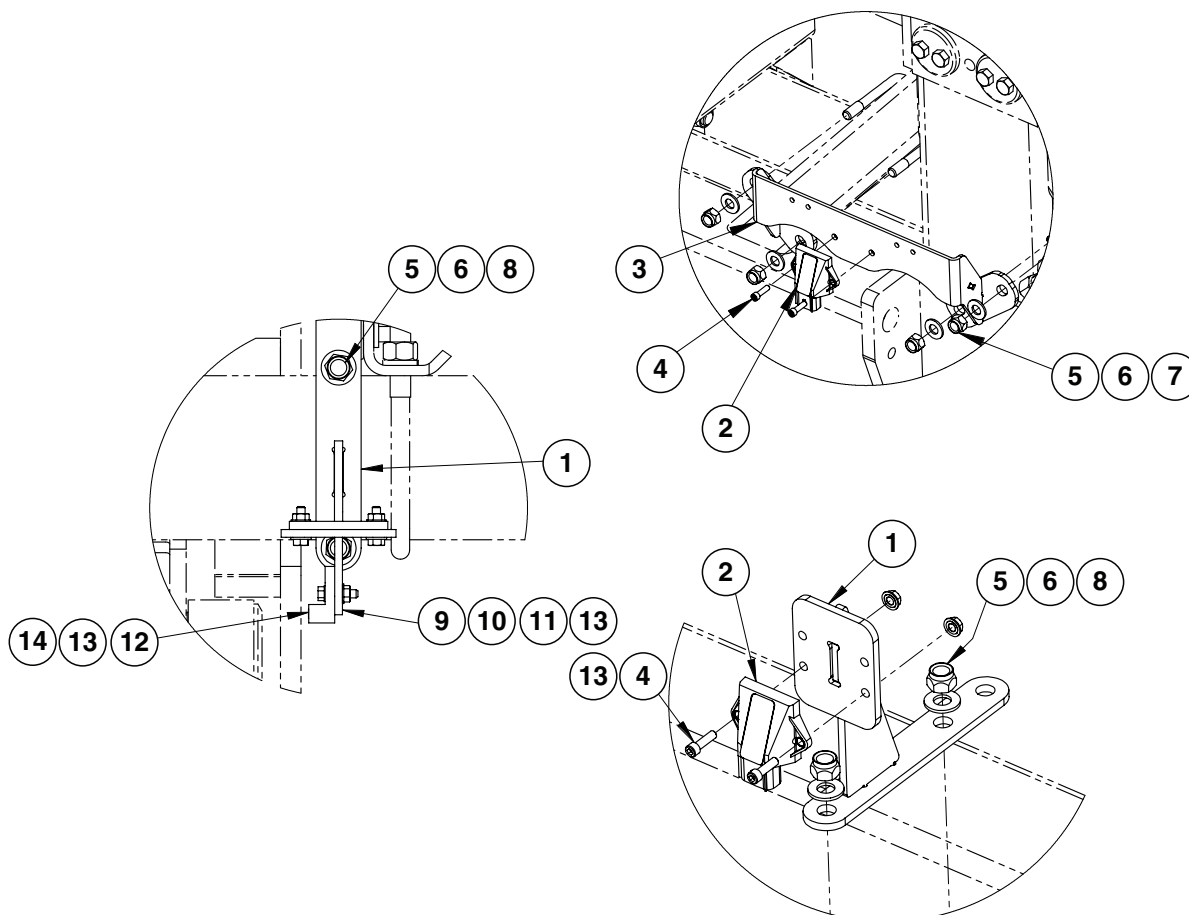
ITEM	PART NO.	QTY.	DESCRIPTION
11	G10478801	2	Battery, 12 Volt
12	G10114001	2	Battery Strap
13	GD36680	1	Coupler Half, .625" Bore
14	GD36681	1	Sleeve W/Retaining Ring
15	GD36682	1	Coupler Half, .875" Bore
16	GR2126	2	1½" Push-In Grommet
17	G10014	1	Hex Head Cap Screw, ½"-13 x 1"
18	G10071	1	Serrated Flange Nut, 1/2"-13
19	G11418	4	Hex Socket Head Cap Screw, ¼" x 1½"
20	G10017	1	Hex Head Cap Screw, ½"-13 x 1 ½"
21	G10954	4	Hex Head Cap Screw, 3/8"-16 x 7"
22	G10992	8	Serrated Flange Nut, No. 10-24
23	G11067	4	Phillips Pan Head Machine Screw, No. 8-32 x 3/4", Stainless Steel
24	G11124	2	Hex Serrated Flange Cap Screw, 3/8"-16 x 1"
25	G11409	4	Hex Serrated Flanged Cap Screw, ¼"-20 x 1"
26	G11202	4	Lock Nut W/Nylon Insert, No. 8-32, Stainless Steel
27	G6500-10	1	Swivel Elbow, 90°, 7/8"-14 Male JIC To Female
28	G6801-06	1	Elbow, 90°, 9/16"-18 x 7/16"-20 W/O-Ring
29	G11528	4	Hex Nut W/External Tooth Washer, ¼"-20
30	G11588	4	Hex Socket Head Cap Screw, No. 10-24 x 5/8" Grade 8
31	G11105001	1	O-Ring
32	GD36820	1	Battery Box Cover
33	G10439801	6	Pin W/Chain
34	G11123	4	Hex Serrated Flange Cap Screw, 3/8"-16 x 3/4"
35	G6801-10	1	Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To O-Ring
36	GD25007	1	Deutsch Cap, Size 24 (Only used with non-Split Row configurations)
37	G11391	1	Flat Washer, 5/8" SAE
38	G10600701	1	Compact Power Pack Sense Harness
A	G10112902	-	Power Pack (Includes Items 1-38)

(106149/100206)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10020601	1	Sensor Bracket Assembly
2	G10034401	1	Cable Guard Bracket
3	G10034501	1	Cable Guard Bracket
4	G10023	5	Hex Head Cap Screw, 1/4"-20 x 3/4"
5	G11385	5	Flat Washer, 1/4" SAE
6	G10027	1	Hex Head Cap Screw, 3/4"-10 x 2 1/2"
7	G11392	1	Flat Washer, 3/4" SAE
8	G10112	1	Lock Nut, 3/4"-10
9	G10709101	1	Spacer
10	G10069801	1	Jump Start Sensor Bracket
11	G10064	5	Hex Head Cap Screw, 1/4"-20 x 1"
12	G10621	7	Serrated Flange Nut, 1/4"-20
13	G10020501	1	Jump Start Bracket
14	GA13204	1	Sensor, Hall Effect

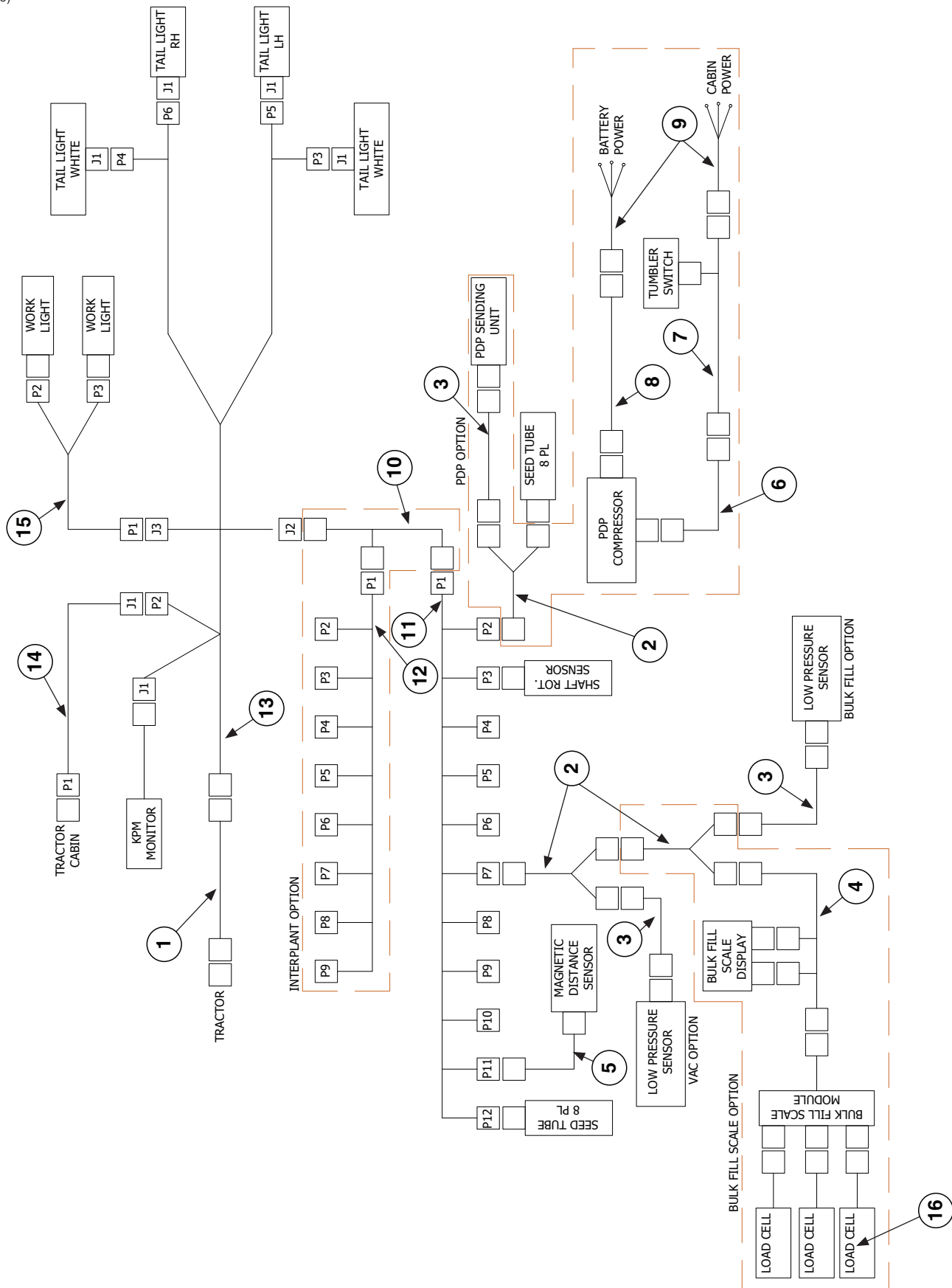
(106149)



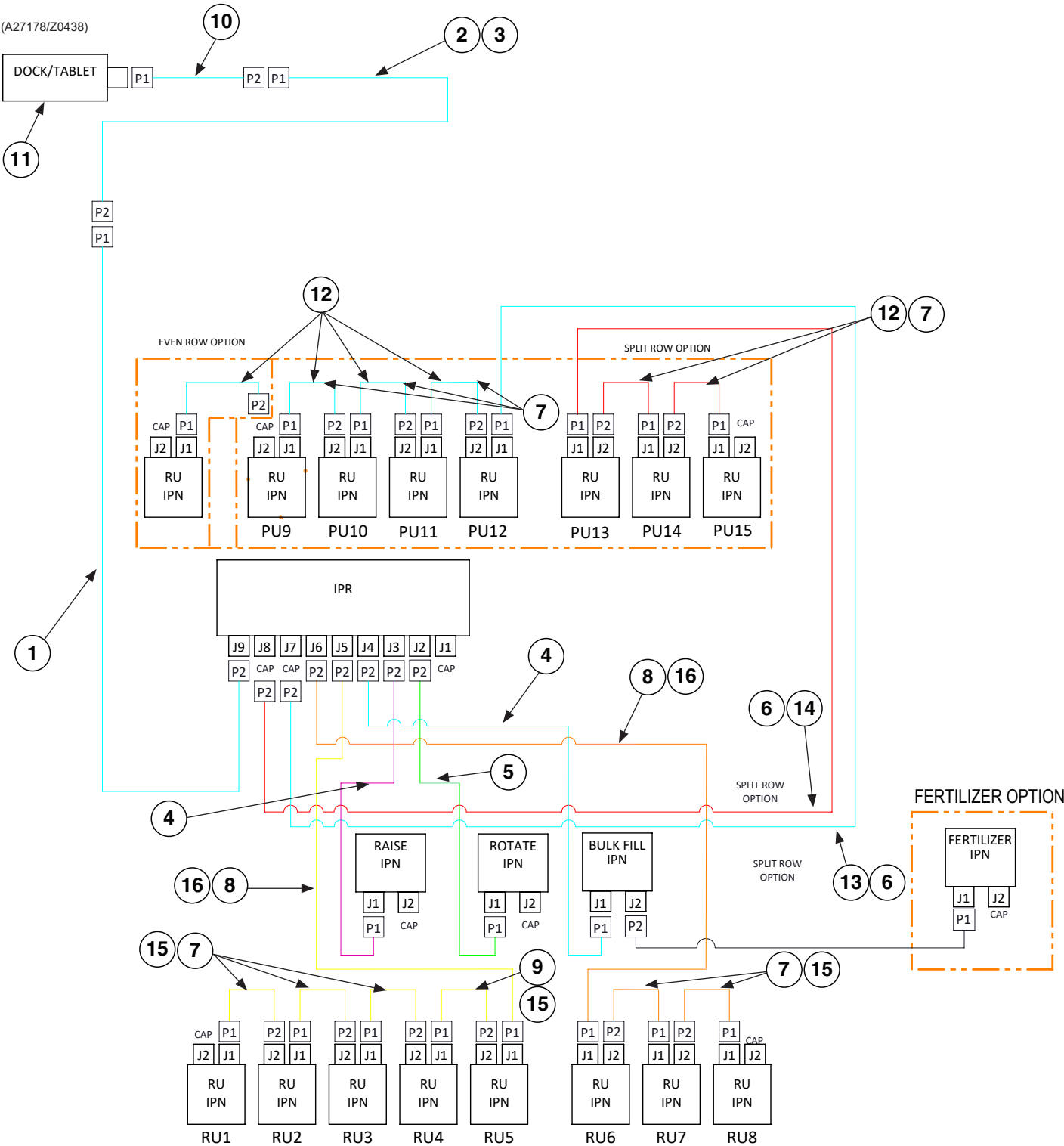
ITEM	PART NO.	QTY.*	DESCRIPTION
1	G11164201	3	IPP Module Mount
2	GA21687	3	IPP Module Assembly
3	GA27185	1	Module Center Mount
4	G10252	6	Hex Socket Head Cap Screw, 1/4"-20 x 7/8", Grade 8
5	G10111	10	Lock Nut, 1/2"-13
6	G11389	10	Flat Washer, 1/2" Plated SAE
7	GD4743	2	U-Bolt, 3" x 3" x 1/2"-13
8	GD8306	3	U-Bolt, 7" x 5" x 1/2"-13
9	G10898401	1	Switch Bracket
10	G10064	2	Hex Head Cap Screw, 1/4"-20 x 1"
11	G11385	2	Flat Washer, 1/4" SAE
12	GA18353	1	Magnetic Reed Position Switch
13	G10621	4	Serrated Flange Nut, 1/4"-20
14	G11409	2	Hex Serrated Flanged Cap Screw, 1/4"-20 x 1"

*Quantities indicated for entire planter.

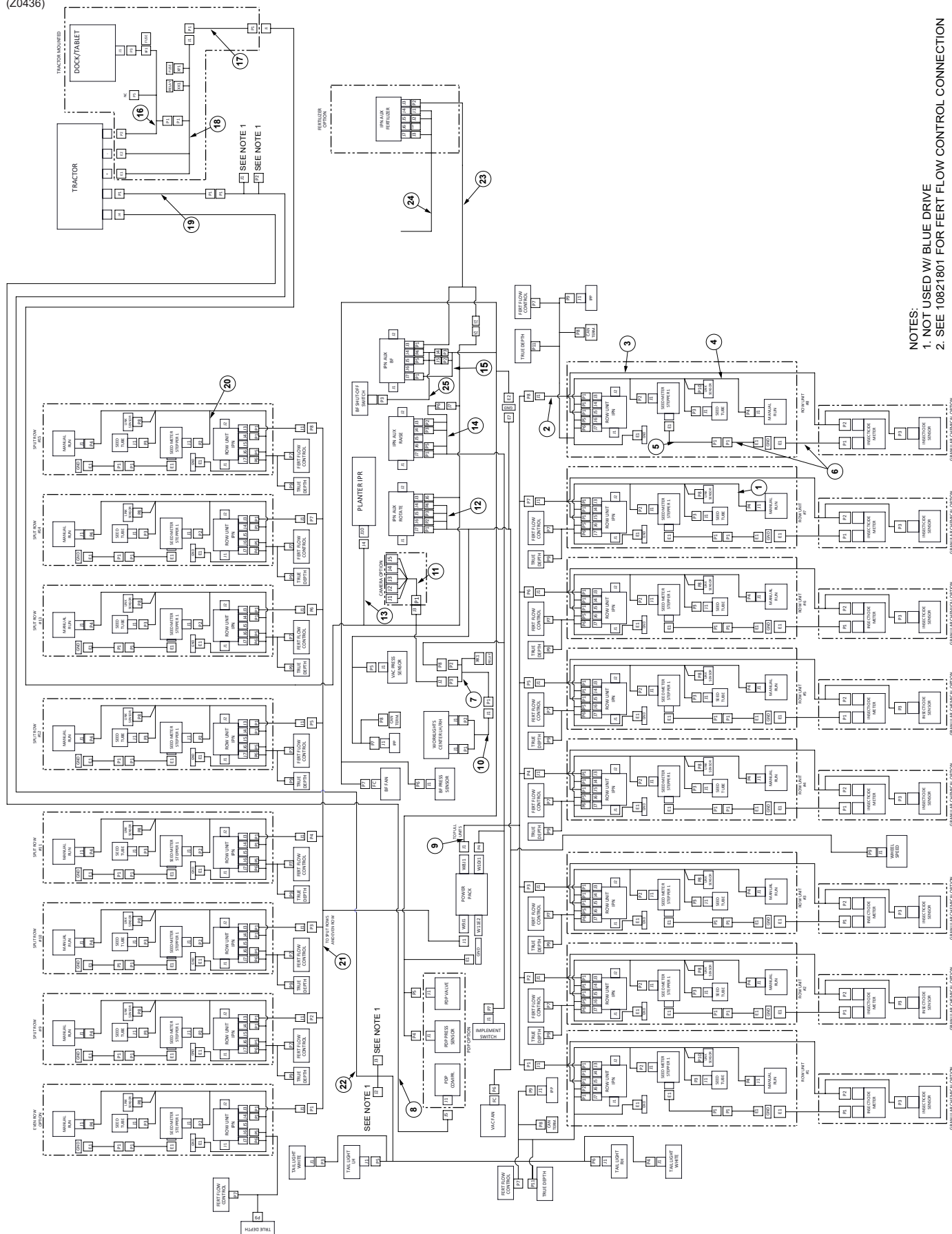
(Z0398)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25170	-	EU Tail Light Extension Harness
	G11143801	-	Tail Light Extension Harness 5 PIN (N. America); Tail Light Extension Harness 7 PIN (European)
2	GA13551	3	Tee Junction Harness
3	GA12812	3	Hall Effect Adapter
4	GA14129	1	Power / Communication Cable
5	GA7859	1	Magnetic Distance Sensor Adapter (Analog To Digital)
6	GA12858	1	Wiring Harness, 60'
7	GA13944	1	Wiring Harness W/Fuse Holder And Fuse, 206"
8	GA16391	1	Compressor Harness, 40'
9	GA17547	2	Power Adapter Cable
10	GA7853	1	Y-Connector Harness
11	GA7850	1	Planter Harness W/Dust Caps, 8 Row (12 Connectors)
12	GA8022	1	Planter Harness W/Dust Caps, (9 Connectors)
13	G10316201	1	Light Harness Assembly
14	G10329601	1	Worklight Switch Harness
15	GA24605	1	Worklight Harness
16	GA14135	3	Load Cell



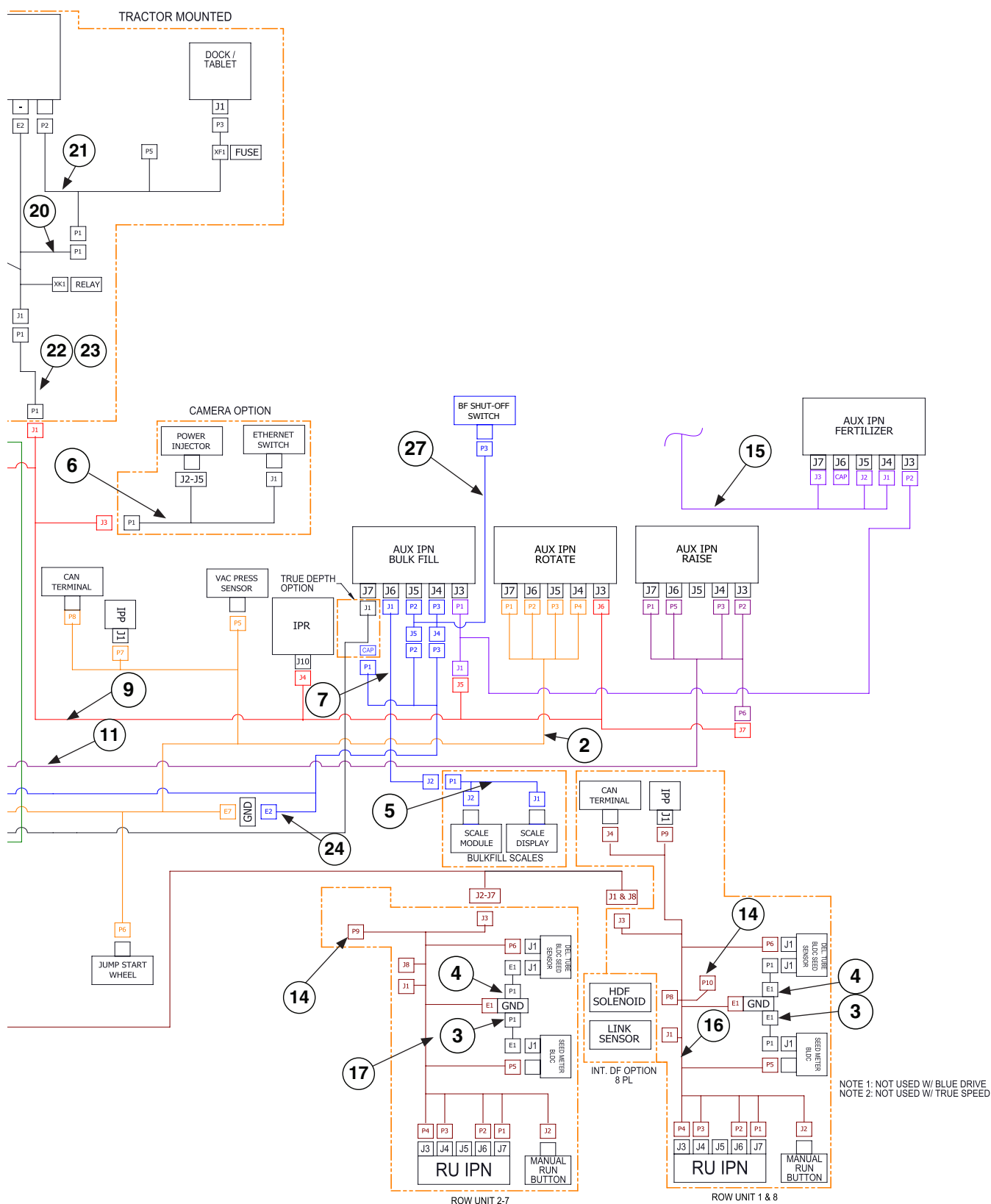
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA22554-325	-	Ethernet Cable (M12 STR-M12 STR), 325"
2	GA22554-265	-	Ethernet Cable (M12 STR-M12 STR), 265"
3	GA22554-375	-	Ethernet Cable (M12 STR-M12 STR), 375"
4	GA22555-20	-	Ethernet Cable (M12 RA-M12 STR), 20"
5	GA24488-27	-	Ethernet Cable (M12 RA-M12 STR), 27"
6	GA22555-90	-	Ethernet Cable (M12 RA SPEC), 90" (Used W/ True Speed)
7	GA22556-91	-	Ethernet Cable (M12 RA-M12 RA), 91" (Used W/ True Rate for RU, Used W/ True Speed for PU)
8	GA22555-94	-	Ethernet Cable (M12 RA-M12 STR), 94" (Used W/ True Rate)
9	GA22556-100	-	Ethernet Cable (M12 RA-M12 RA), 100" (Used W/ True Rate)
10	GA25399-36	-	Ethernet Cable (RJ45-Female M12 STR), 36"
11	GA25406	-	Blue Vantage Dock/Tablet
12	GA24487-100	-	Ethernet Cable (M12 RA-M12 RA), 100" (Used W/ True Rate)
13	GA24488-96	-	Ethernet Cable (M12 RA-M12 STR), 96" (Used W/ True Rate)
14	GA24488-64	-	Ethernet Cable (M12 RA-M12 STR), 64" (Used W/ True Rate)
15	GA22556-134	-	Ethernet Cable, 134" (Used W/ True Speed)
16	GA22555-115	-	Ethernet Cable (M12 RA SPEC), 115" (Used W/ True Speed)



NOTES:
1. NOT USED W/ BLUE DRIVE
2. SEE 10821801 FOR FERT FLOW CONTROL CONNECTION

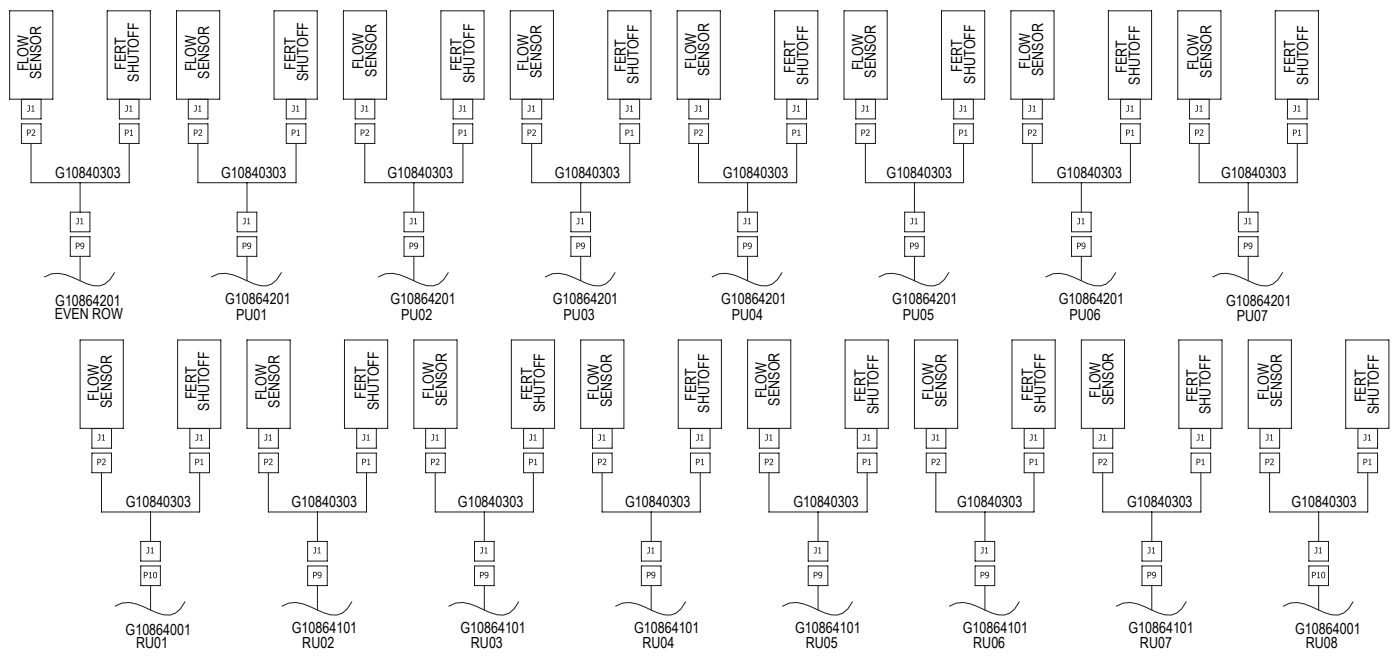
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10864901	-	Row Unit Seed Meter Harness
2	GA25029	-	Row Unit Power Extension Harness
3	GA22522	-	Insecticide Harness
4	G10864801	-	Push Unit Seed Meter Harness
5	GA20711	-	Seed Meter Motor ESD Drain Harness
6	GA20712	-	Row Unit ESD Drain Harness
7	GA22547	-	Worklight Relay Harness
8	GA16391	-	Compressor Harness, 40'
9	GA26886	-	Row Unit Power Harness
10	GA26885	-	Worklight Harness
11	G10269201	-	Camera Power Harness
12	G11197101	-	Rotation Harness
13	G10331601	-	Power Harness
14	G10478901	-	Raise Harness
15	G11119301	-	Bulk Fill PDP Harness
16	GA25031	-	Tractor Console Harness
17	GA25032	-	Tractor Power Harness Extension, 10' (Included)
	GA25033	-	Tractor Power Harness Extension, 16' (Optional)
18	GA25030	-	Tractor Power Harness
19	GA25170	-	EU Tail Light Extension Harness
	G11143801	-	Tail Light Extension Harness 5 PIN (N. America); Tail Light Extension Harness 7 PIN (European)
20	G10884801	-	Row Unit Seed Meter Harness
21	G10074701	-	Row Unit Split Row Power Harness
22	G10316201	-	Tail Lights Harness
23	G10698001	-	Fertilizer IPN Power Harness
24	G10851201	-	Fertilizer Module Harness
25	G10963101	-	Bulk Fill Shutoff Intercept Harness

07/25

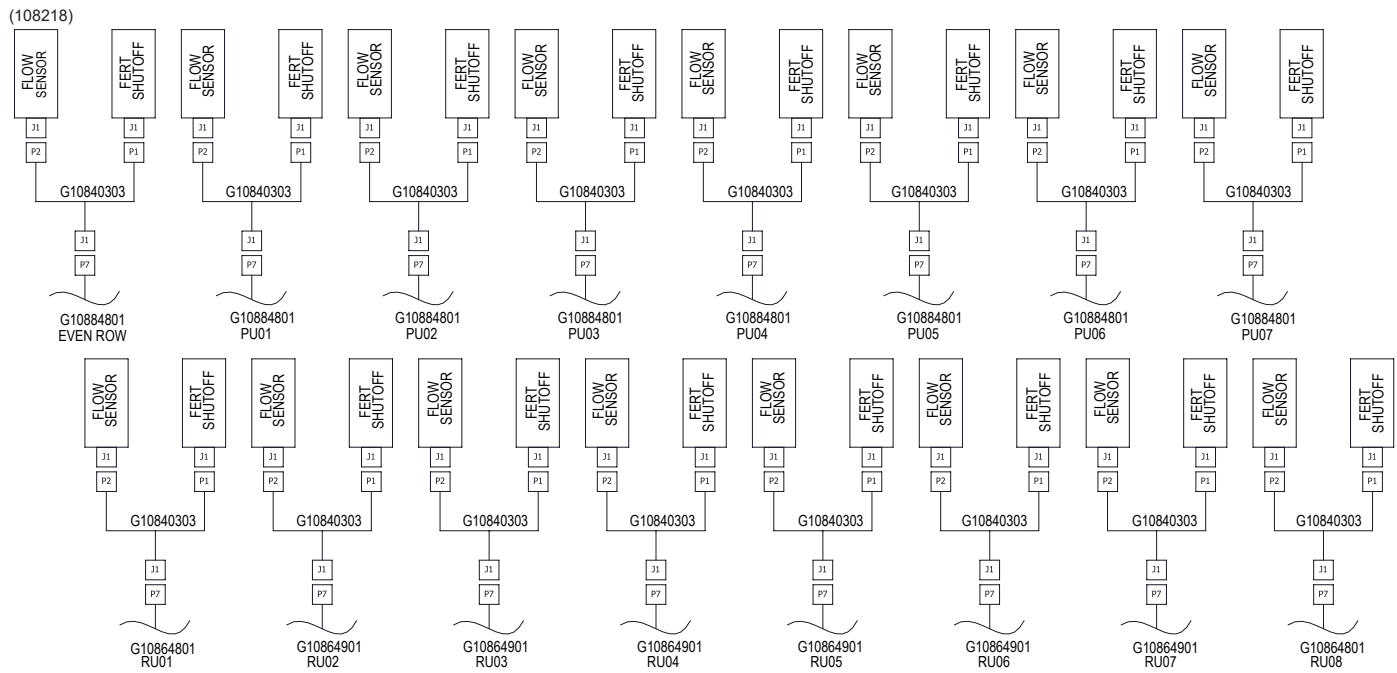


ITEM	PART NO.	QTY.	DESCRIPTION
1	G10049501	-	Tractor Battery Connection Harness and Fuse Kit
2	G10074801	-	Rotation Harness
3	G10213601	-	ESD Ground Strap Harness, True Speed
4	G10213602	-	ESD Ground Strap Harness, True Speed
5	G10242801	-	Bulk Fill Scale CAN PHD28 Cable
6	G10269201	-	Camera Power Harness
7	G10286102	-	CAN Stub Harness
8	G10316201	-	Tail Lights Harness
9	G10331601	-	Aux IPN 12V Power Harness
10	G10337001	-	Integrated True Depth Harness
11	G10478901	-	Raise IPN Harness
12	G10649801	-	PTO Harness
13	G10724901	-	PTO Tractor Power Harness
14	G10821801	-	See "BV Liquid Fertilizer Interconnect" on page P229
15	G10851201	-	Fertilizer Module Harness
16	G10864001	-	True Speed Row Unit Harness W/ IPP
17	G10864101	-	True Speed Pull Unit Harness
18	G10864201	-	True Speed Push Unit Harness
19	GA22547	-	Worklight Relay Harness
20	GA25030	-	Tractor Power Harness
21	GA25031	-	Tractor Console Harness
22	GA25032	-	Tractor Power Harness Extension, 10' (Included)
23	GA25033	-	Tractor Power Harness Extension, 16' (Optional)
24	GA26884	-	Bulk Fill PDP Harness
25	GA26885	-	Worklight Wire Harness
26	GA26886	-	Row Unit Power Harness
27	G10963101	-	Bulk Fill Shutoff Intercept Harness

(108218)



ITEM	PART NO.	QTY.	DESCRIPTION
-	G10840303	-	Fertilizer Row Unit Extension Harness, 66"
-	G10864201	-	True Speed Push Unit Harness
-	G10864001	-	True Speed Row Unit Harness W/ IPP
-	G10864101	-	True Speed Pull Unit Harness



ITEM	PART NO.	QTY.	DESCRIPTION
-	G10840303	-	Fertilizer Row Unit Extension Harness, 66"
-	G10884801	-	Row Unit Seed Meter Harness
-	G10864801	-	Row Unit Seed Meter Harness W/ IPP
-	G10864901	-	Row Unit Seed Meter Harness

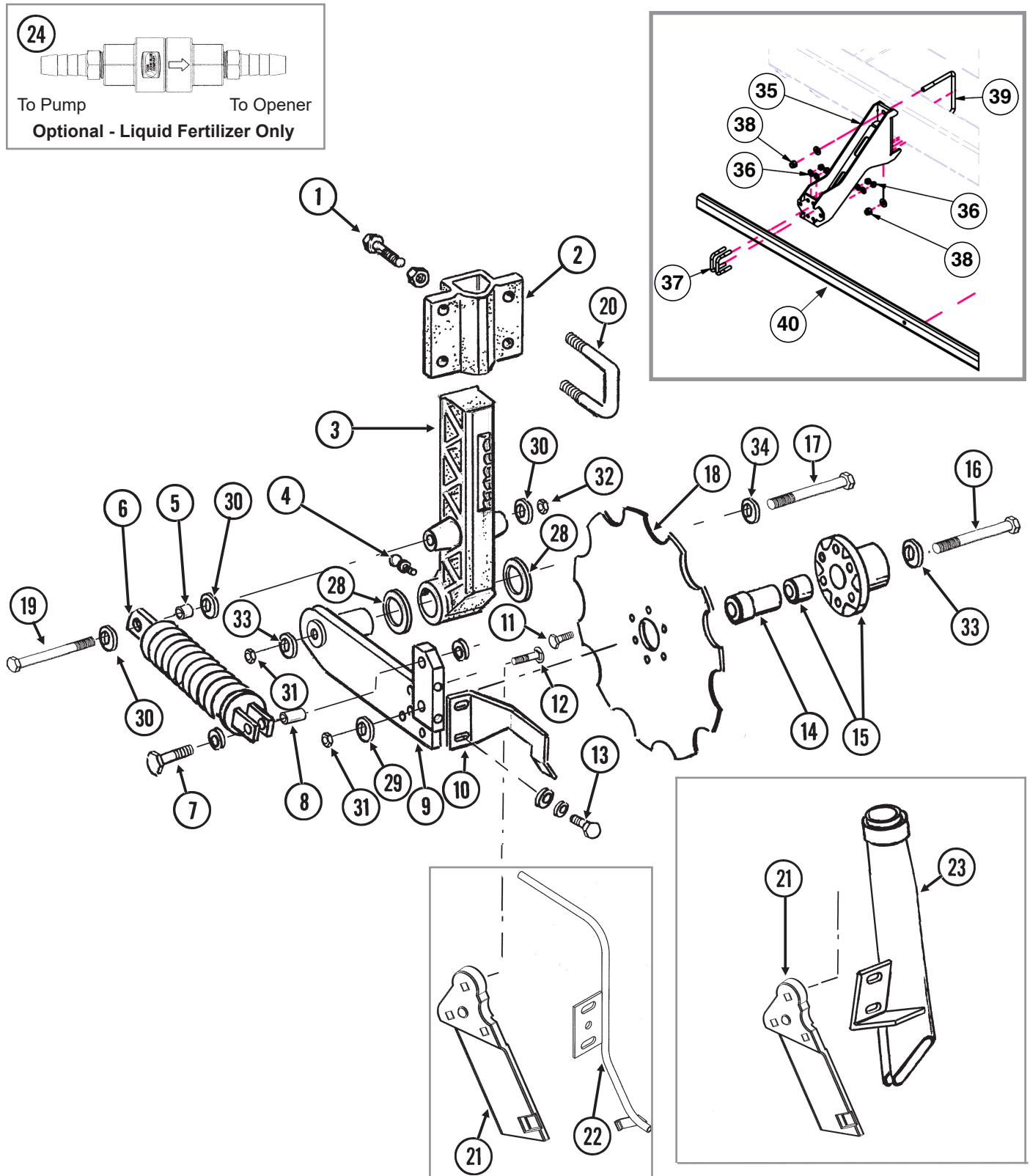
Notched Single Disc Fertilizer Opener

M0311-02

Model 3505

FOC018(TWL34e/TWL34f/TWL34g/FRTZ268b/FRTZ208)

NOTE: R.H. and L.H. is determined by which side of blade it is on in the direction of travel.



Notched Single Disc Fertilizer Opener

Model 3505

M0311-02

ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	G10017	3	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
	G10102	3	Hex Nut, 1/2"-13
2	GB0405	1	Mount, L.H.
	GB0400	-	Mount, R.H. (Shown)
3	GB0296	1	Arm, 13 1/2"
4	G10640	1	Grease Fitting, 1/4"-28
5	GD12685	1	Bushing, 3/4" O.D. x 1/2" Long
6	GA6966	1	Compression Spring Assembly
7	G10047	1	Hex Head Cap Screw, 3/8"-16 x 1 3/4"
	G11387	2	Flat Washer, 3/8" SAE
	G10108	1	Lock Nut, 3/8"-16
8	GD1026	1	Sleeve, 1 3/16" Long
9	GA9433	1	Pivot Arm, L.H. (Shown)
	GA9434	-	Pivot Arm, R.H.
10	GD11557	1	Scraper, L.H. (Shown)
	GD11558	-	Scraper, R.H.
11	G10002	6	Hex Head Cap Screw, 3/8"-16 x 3/4"
12	G10306	3	Carriage Bolt, 3/8"-16 x 2"
	G10108	3	Lock Nut, 3/8"-16
13	G10991	2	Hex Head Cap Screw, 5/16"-18 x 7/8"
	G10232	2	Lock Washer, 5/16"
	G11386	6	Flat Washer, 5/16" SAE
14	GD12679	1	Stepped Spacer, 3" Long
15	GA9437	1	Hub W/Bearing
	GA8603	-	Bearing, Double Row (Included W/GA9437)
16	G10011	1	Hex Head Cap Screw, 5/8"-11 x 5 1/2"
17	G10046	1	Hex Head Cap Screw, 5/8"-11 x 5"
18	GD12676	1	Disc Blade, Notched, 16 3/4"
19	G10871	1	Hex Head Cap Screw, 1/2"-13 x 6"
20	GD13287	2	U-Bolt, 1 1/2" x 2 1/2" x 1/2"-13
	G11389	4	Flat Washer, 1/2" Plated SAE
	G10111	4	Lock Nut, 1/2"-13
21	GB0323	1	Knife, L.H. (Shown)
	GB0322	-	Knife, R.H.
22	GA12108	1	Drop Tube, Liquid Fertilizer (Shown)
	GA12109	-	Drop Tube, Liquid Fertilizer
23	GA10047	1	Drop Tube, L.H., Dry Fertilizer
	GA10048	-	Drop Tube, R.H., Dry Fertilizer (Shown)
27	GA9820	1	Opener Mount (Included W/GA9820)
	GD1113	2	U-Bolt, 5" x 7" x 5/8"-11 (Included W/GA9820)
	G10230	4	Lock Washer, 5/8" (Included W/GA9820)
	G10104	4	Hex Nut, 5/8"-11 (Included W/GA9820)
28	G10450	-	Machine Bushing, 1 1/2", 18 Gauge (As Required)
29	GD12677	1	Washer, 1 1/2" O.D., 7 Gauge, Hardened
30	G11389	-	Flat Washer, 1/2" Plated SAE
31	G10107	-	Lock Nut, 5/8"-11
32	G10111	-	Lock Nut, 1/2"-13
33	G11391	-	Flat Washer, 5/8" SAE
34	G10217	-	Washer, 5/8" USS
35	GA25749	6	Mount

Continued on the next page.

Notched Single Disc Fertilizer Opener

M0311-02

Model 3505

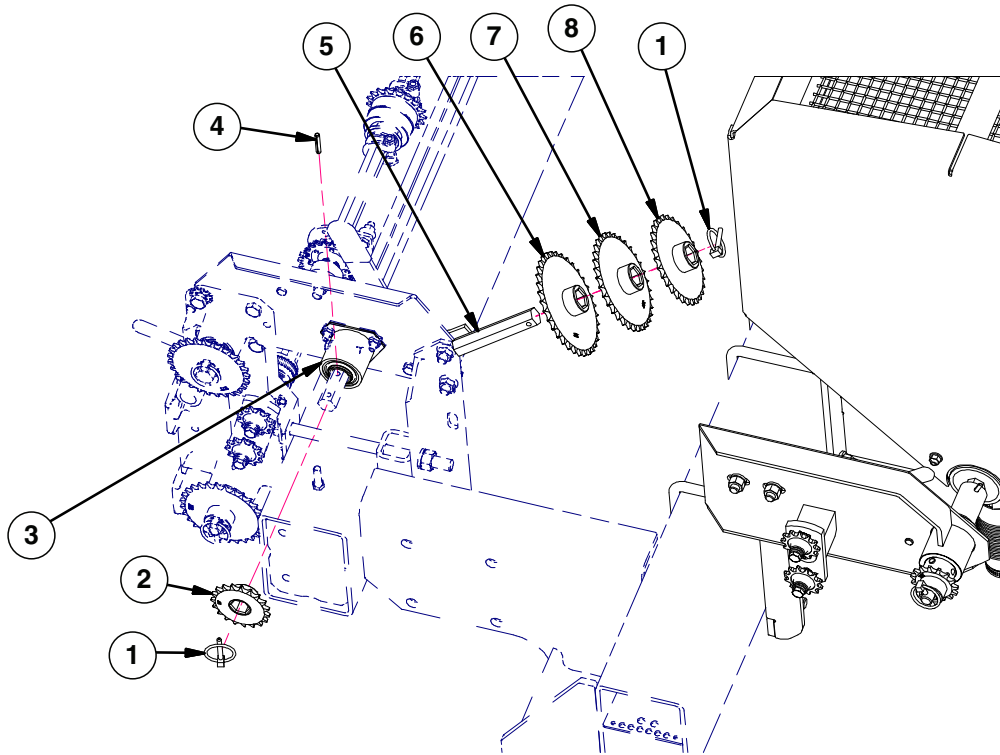
ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
36	G11389	24	Flat Washer, 1/2" Plated SAE
	G10111	26	Lock Nut, 1/2"-13
37	GD13287	12	U-Bolt, 1-1/2" x 2-1/2" x 1/2"-13
38	G10107	12	Lock Nut, 5/8"-11
	G11391	12	Flat Washer, 5/8" SAE
39	GD1113	6	U-Bolt, 5" x 7" x 5/8"-11
40	GD35732	2	Tube

Dry Fertilizer Transmission Sprockets

Model 3505

M0311-02

(A25750)



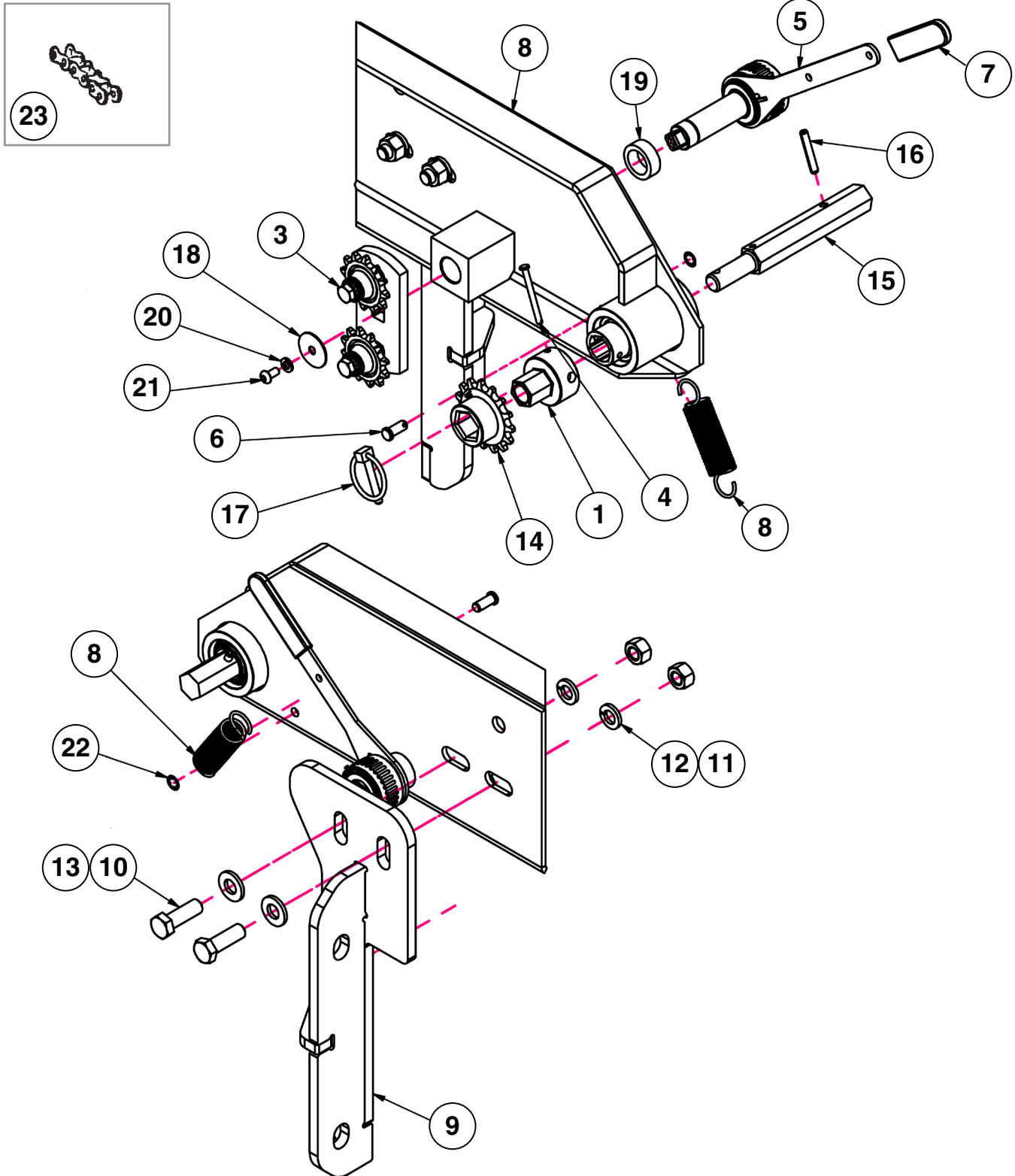
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD2558	2	Lynch Pin, 1/4"
2	GA5107	1	Sprocket, 19 Tooth
3	GA5223	1	Spacer W/Bearing
4	G10602	1	Spring Pin, 1/4" x 1 1/2"
5	GA5229	1	Sprocket Storage Rod
6	GA6337	1	Sprocket, 35 Tooth
7	GA5115	1	Sprocket, 33 Tooth
8	GA5114	1	Sprocket, 30 Tooth

Dry Fertilizer Transmission Assembly

M0311-02

Model 3505

(A26139)



Dry Fertilizer Transmission Assembly

Model 3505

M0311-02

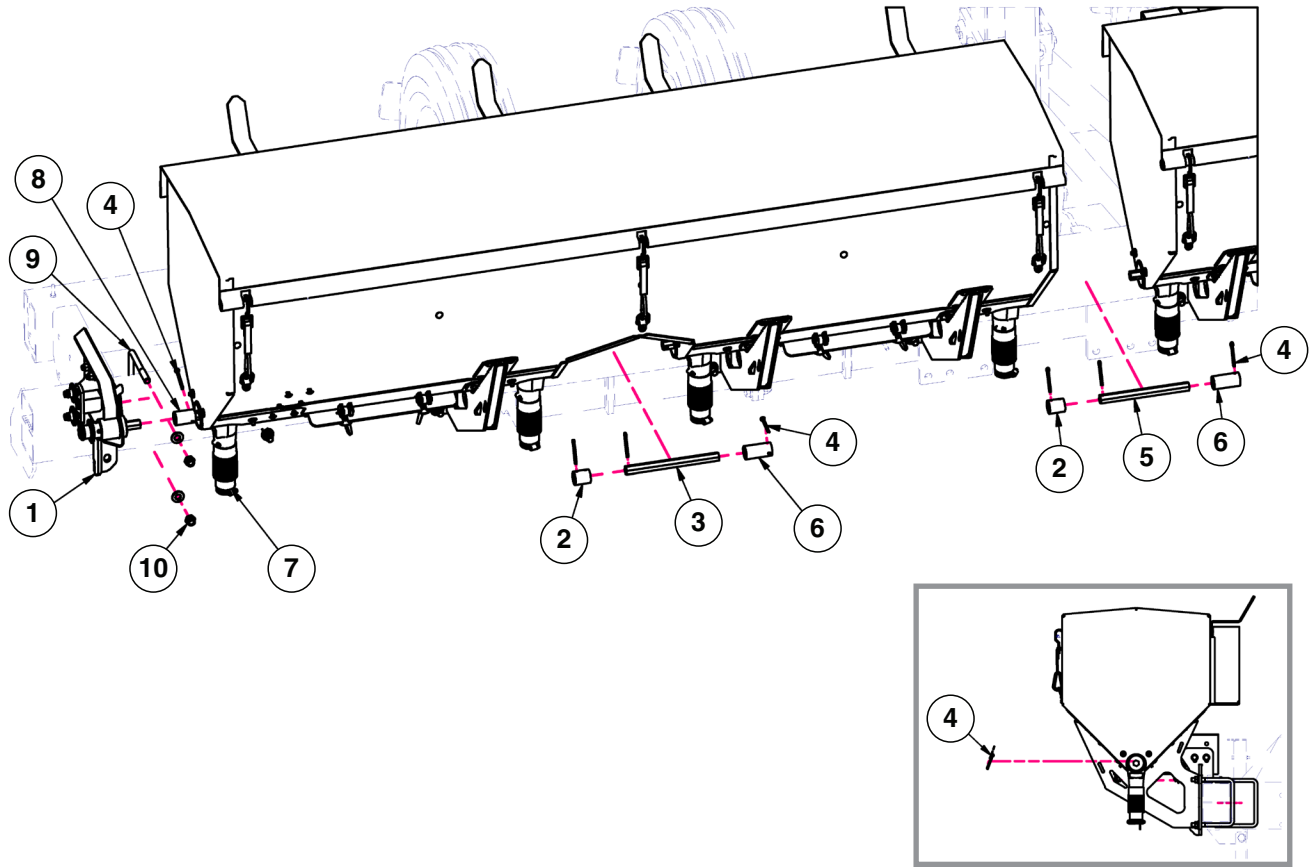
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD7127	1	Shear Coupler
2	GA10030	1	Spring
3	GA7336	1	Idler
4	G10821	1	Clevis Pin, 3/16" x 2"
5	GD5857	1	Spring
6	G10408	1	Clevis Pin, 5/16" x 3/4"
7	G11078	1	Vinyl Cap
8	GA6579	1	Transmission Assembly
9	GA25892	1	Transmission Mount
10	G11389	2	Flat Washer, 1/2" Plated SAE
11	G10102	2	Hex Nut, 1/2"-13
12	G10228	2	Lock Washer, 1/2"
13	G10017	2	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
14	GA5105	1	Sprocket, 15 Tooth
15	GD7870	1	Shaft, 7"
16	G10602	1	Spring Pin, 1/4" x 1 1/2"
17	GD2558	1	Lynch Pin, 1/4"
18	G11453	1	Fender Washer, 1/4"
19	GD2734-18	1	Sleeve, 1 1/4" O.D. x 7/16" Long
20	G10227	1	Lock Washer, 1/4"
21	G11100	1	Hex Socket Button Head Cap Screw, 1/4"-20 x 1/2", Grade 8
22	G10409	1	Retaining Ring, 5/16"
23	G3310-172	1	Chain, No. 40, 172 Pitch Including Connector Link And Offset Link

Dry Fertilizer Couplers/Shfts

M0311-02

Model 3505

(A25750)



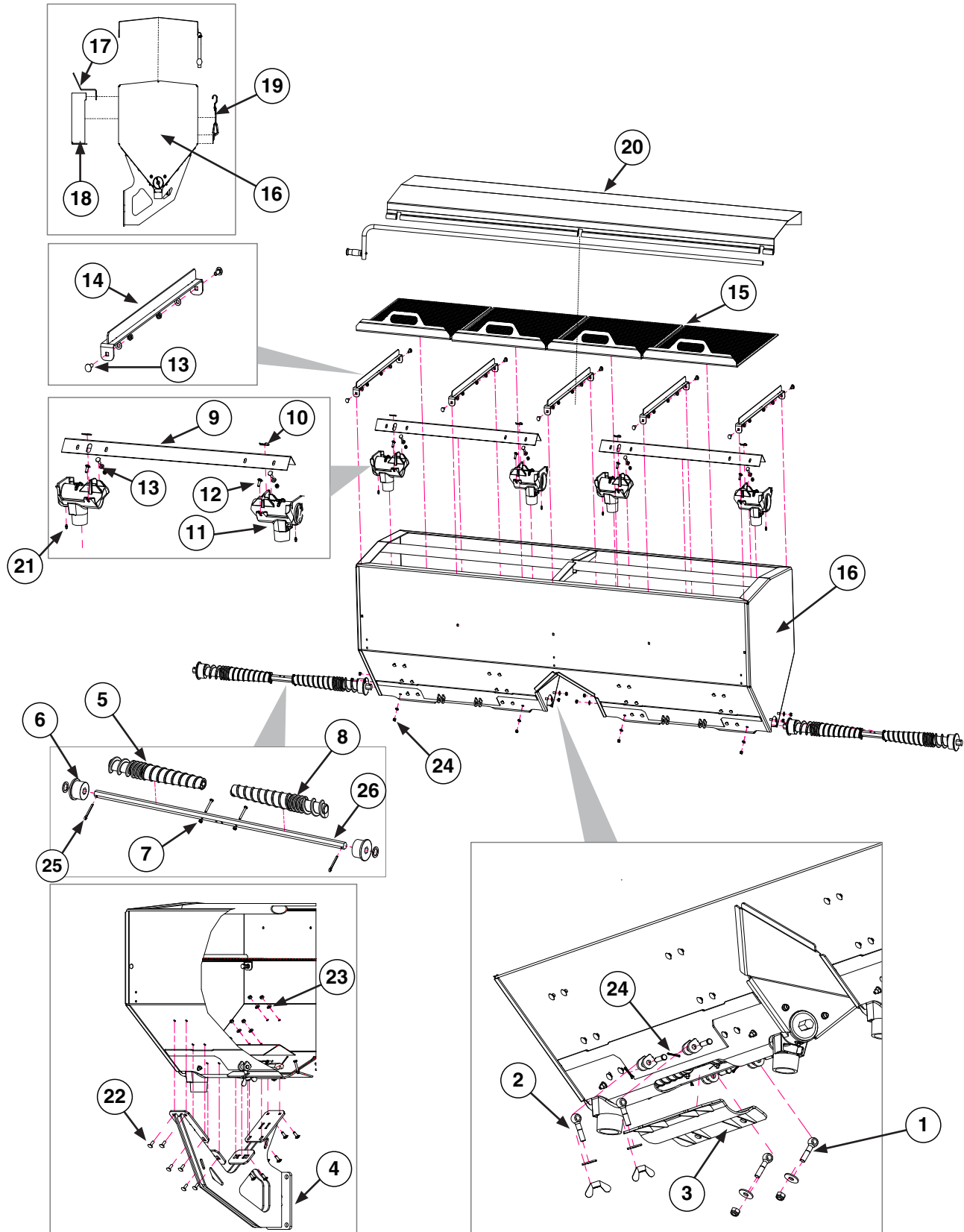
ITEM	PART NO.	QTY.	DESCRIPTION
1	---	-	See "Dry Fertilizer Transmission Assembly" on page P235
	G3310-172	1	Chain No. 40, 172 Pitch
2	GD5886	3	Coupler, 1 3/4"
3	GD2548-10.75	2	Hex Shaft, 7/8" x 10 3/4" (1 Hole)
4	G10460	11	Cotter Pin, 1/4" x 2"
5	GD2548-10.25	1	Hex Shaft, 7/8" x 10 1/4" (1 Hole)
6	GD7867	3	Coupler, 3"
7	GA21239	8	Hose with clamps
8	GD5961	1	Coupler, 2-1/4"
9	GD1113	1	U-Bolt, 5" x 7" x 5/8"-11
10	G11391	2	Flat Washer, 5/8" SAE
	G10107	2	Lock Nut, 5/8"-11

Dry Fertilizer Hopper and Mounts

Model 3505

M0311-02

(A25910)



Dry Fertilizer Hopper and Mounts

M0311-02

Model 3505

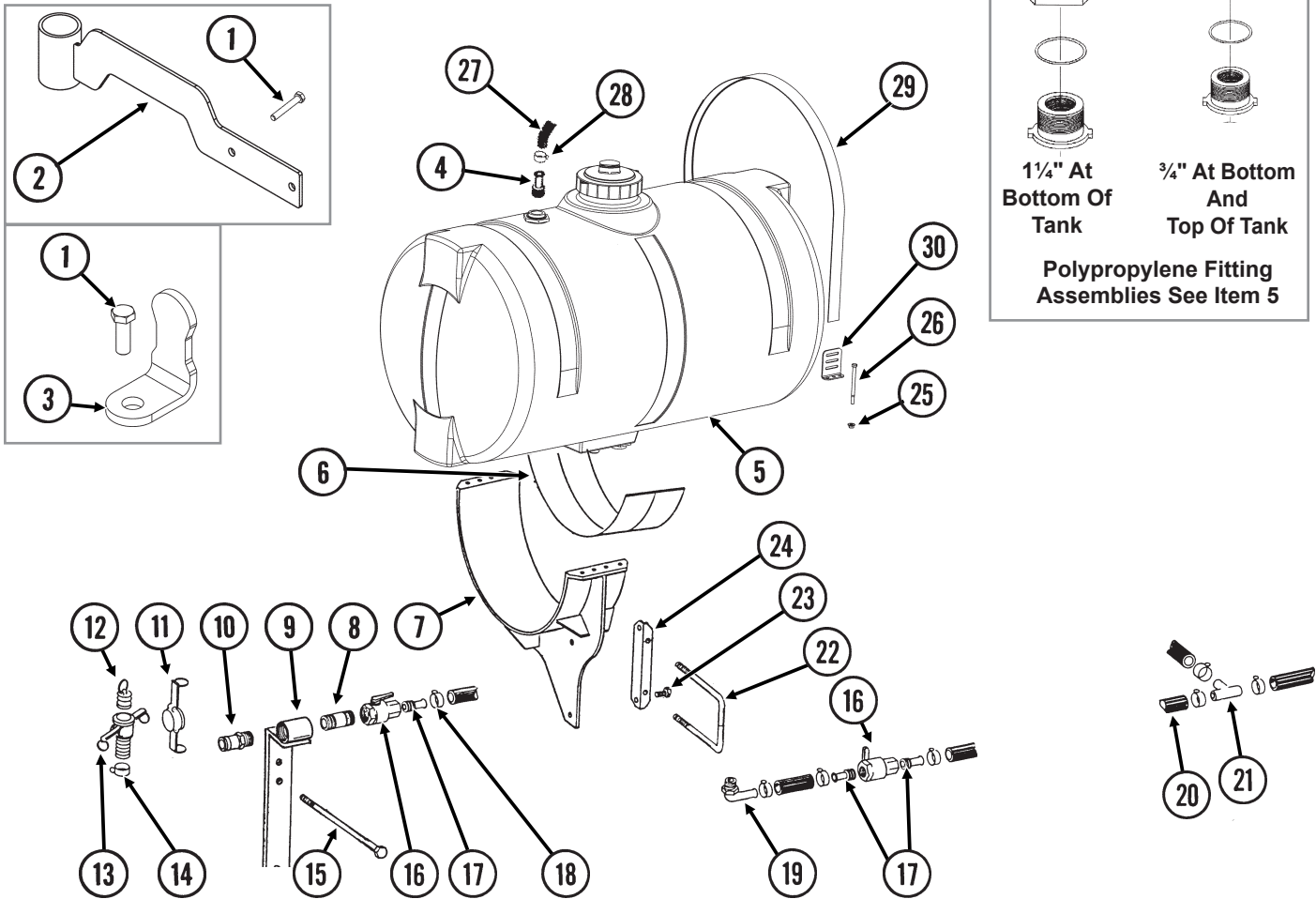
ITEM	PART NO.	QTY.	DESCRIPTION
1	G12215	4	Bolt, M12 x 60
	G12217	4	Washer, M12
	G12218	4	Lock Nut, M12
2	G12215	4	Bolt, M12 x 60
	G12217	4	Washer, M12
	G12216	4	Wing Lock Nut, M12
3	GA25908	2	Fertilizer door
4	GA25753	4	Mount
	GD1862	-	Tank Pad, 8" x 14' Roll
5	GB0199	1	Auger, L.H.
6	GB0200	2	Bearing
	G10233	2	Machine Bushing, 1 1/2" x 1/32", 10 Gauge (.1345")
7	G10103	2	Hex Nut, 1/4"-20
	G10638	2	Hex Head Cap Screw, 1/4"-20 x 2"
8	GB0198	1	Auger, R.H.
9	GD1207	2	Baffle
10	G10670	2	Hair Pin Clip, No. 3
11	GD1200	4	Outlet Housing
12	G11942	2	Bolt, 5/16"-18 x 1"
13	G10379	2	Washer, 5/16"
	G11950	2	Hex Nut, 5/16"-18
	G11942	2	Bolt, 5/16"-18 x 1"
14	GA25757	5	Stiffener
15	GA25909	4	Screen
16	GA27037	1	Hopper
17	GD35717	4	Clamp Catchers
18	GA27124	1	Clean-out Chute with Hooks
	GD35937	1	Clean-out Chute Bracket
	G10379	10	Flat Washer, 5/16"
	G11950	10	Hex Nut, 5/16"-18
	G11942	10	Bolt, 5/16"-18 x 1"
19	GD35684	3	Tie Down Ring .79" x 2.17"
	GD35667	3	Carabiner
	G11473	6	Hex Head Cap Screw, 1/4"-20 X 1/2"
	G10588	6	Hex Nut, 1/4"-20, Stainless Steel
20	GA25902	1	Handle
	GA25758	1	Tarp
	G11924	4	Hex Head Non Serrated Flange Self-Drilling Screw, No. #6-20 x 3/8"
	G10243	4	Flat Washer, No. 10 SAE
21	G10640	2	Lube Fitting, Straight, Short, 1/4"-28
22	G11942	12	Bolt, 5/16"-18 x 1"
23	G10379	12	Washer, 5/16"
	G11950	12	Hex Nut, 5/16"-18
24	G10451	8	Cotter Pin, 1/8" x 1"
	G11966	8	Clevis Pin, 7/16" x 1-1/2"
25	G10460	2	Cotter Pin, 1/4" x 2"
26	GD36260	1	Hex Fertilizer Auger Shaft, .875" x 43.75

Liquid Fertilizer Tanks, Saddles, Mounts, Hoses, and Fittings

Model 3505

M0311-02

LFC012rev(FRTZ201e/PT51/TWL62C)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10004	-	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G11091	-	Serrated Flange Nut, 3/8"-16
2	GA14112	2	Hose Guide
3	GD20060	2	Hose Bracket
4	G10626	-	Adapter, 1 1/4" NPT To Barb
5	GA14049	2	Tank W/Sealed Lid and Fittings, 150 Gallon
	GA16428	1	Lid, 7" W/Vacuum Breaker (Included W/GA14049)
	GA16157	1	Vacuum Breaker (Included W/GA16428)
	GR1708	-	3/4" Bulkhead Overflow Fitting Assembly (Overflow Fitting, Nut, Bushing, And O-Ring) (Top And Bottom Of Tank) (Included W/GA14049)
	GR0508	-	1 1/4" Polypropylene Fitting Assembly (Nut, Bushing, and O-Ring) (Bottom Of Tank) (Included W/GA14049)
	GR1941	1	Lid Seal (Included W/GA14049)
6	GD1862	1	Pad, 8" x 14' (For Two 30" Tanks)
7	GA7375	-	Tank Mount (2 Per Tank)
8	G10619	-	Close Nipple, 1 1/4" NPT
9	GA5917	1	Quick Fill Mount
10	GD1514	1	Adapter, 1 1/4" Male NPT To Cam Lock
11	GD1515	1	Dust Cap, 1 1/4" Cam Lock
12	GD1517	1	Dust Plug, 1 1/4" Male Cam Lock
13	GD1516	1	Adapter, 1 1/4" Barb To Female Cam Lock

Liquid Fertilizer Tanks, Saddles, Mounts, Hoses, and Fittings

M0311-02

Model 3505

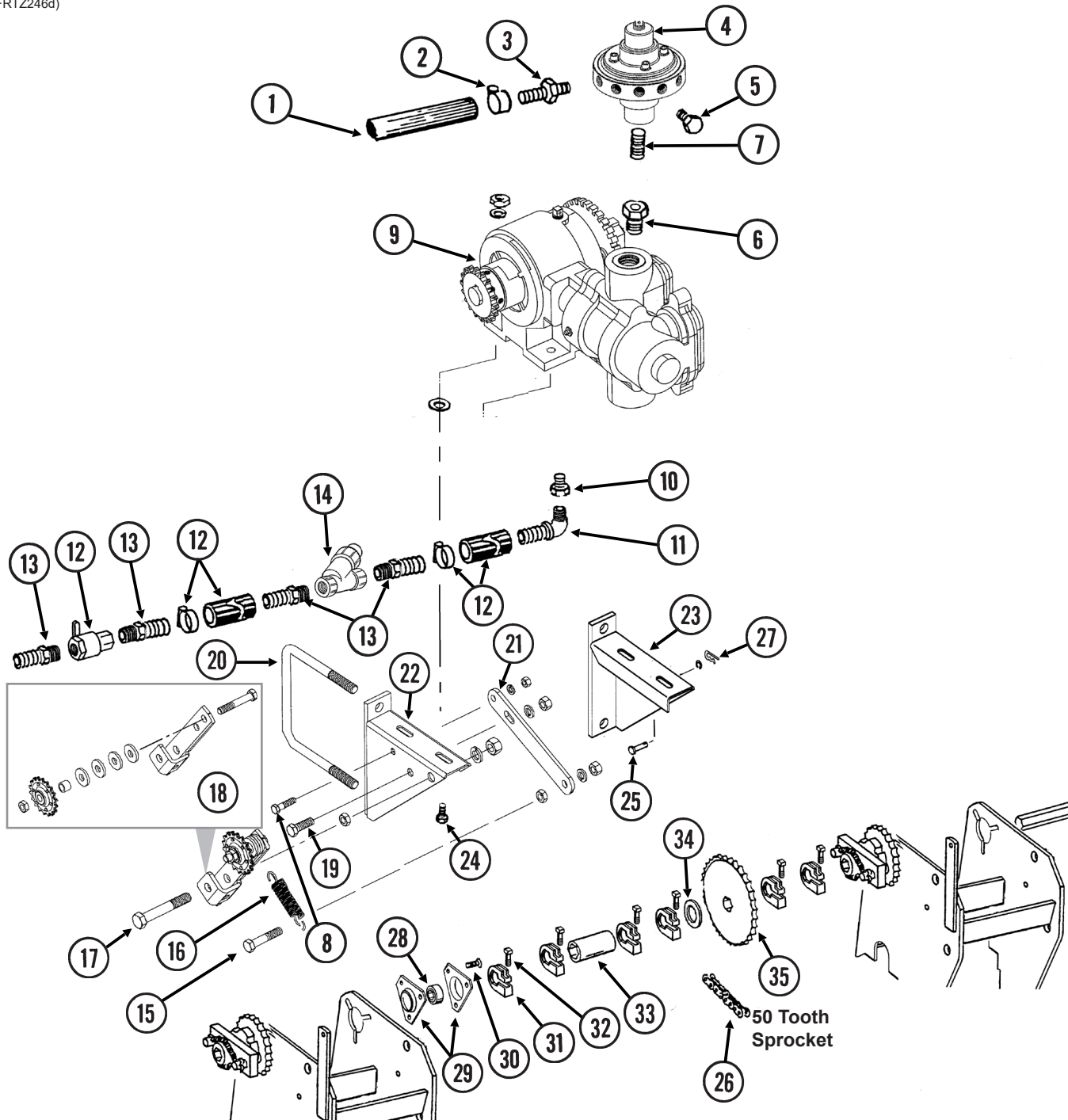
ITEM	PART NO.	QTY.	DESCRIPTION
14	G10672	1	Hose Clamp, No. 28
15	G10829	2	Hex Head Cap Screw, 1/2"-13 x 6 1/2" (Used Between Light Assembly And Quick Fill Mount)
	G11389	2	Flat Washer, 1/2" SAE
	G10228	2	Lock Washer, 1/2"
	G10102	2	Hex Nut, 1/2"-13
16	GA4976	-	Shutoff Valve, 1 1/4" NPT
	GR1015	-	Body O-Ring (Included W/GA4976)
	GR1016	-	Stem O-Ring (Included W/GA4976)
	GR1017	-	Teflon Seat (Included W/GA4976)
	GR1018	-	Ball (Included W/GA4976)
	GR1019	-	Handle (Included W/GA4976)
17	G10626	-	Adapter, 1 1/4" NPT To Barb
18	G10674	-	Hose Clamp, No. 24
19	G10629	2	Elbow, 90°, 1 1/4" NPT To Barb
20	G4200-02	1	Hose, 1 1/4" x 27', 6 Row 30"
	G4200-03	-	Hose, 1 1/4" x 32', 8 Row 30"
21	G10633	1	Tee, 1 1/4" Barb
22	GD1747	4	U-Bolt, 5" x 7" x 3/4"-10
	G10231	8	Lock Washer, 3/4"
	G10105	8	Hex Nut, 3/4"-10
23	G10007	-	Hex Head Cap Screw, 5/8"-11 x 1 1/2"
	G10230	-	Lock Washer, 5/8"
	G10104	-	Hex Nut, 5/8"-11
24	GD10110	-	Mounting Angle (2 Per Tank)
25	G10901	16	Lock Nut, 3/8"-16
26	G10485	16	Hex Head Tap Bolt, 3/8"-16 x 5"
27	G4602-01	1	Black Helix Hose, 1 1/4" x 18'
28	G10674	4	Hose Clamp, No. 24
29	GD11124	4	Strap, 84"
30	GD11123	8	Anchor (Sub GA8114)

Liquid Fertilizer Piston Pump Mounting Brackets and Driveline

Model 3505

M0311-02

(FRTZ246d)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G4301-02	-	Hose, 3/8" x 50', 6 Row 30"
	G4301-04	-	Hose, 3/8" x 100', 8 Row 30"
2	G10681	8	Hose Clamp, No. 6 (As Required)
3	GD11700	-	Adapter, 1/4" NPT To 3/8" Barb (As Required)
4	---	-	See "Liquid Fertilizer Piston Pump Flow Divider" on page P246
5	G10292	-	Pipe Plug, 1/4" NPT (As Required)
6	G11237	1	Reducing Bushing, 1 1/2" Male NPT To 3/4" Female
7	G10994	1	Close Nipple, 3/4" NPT, Stainless Steel

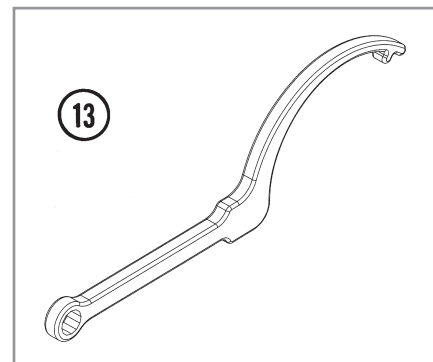
Liquid Fertilizer Piston Pump Mounting Brackets and Driveline

M0311-02

Model 3505

ITEM	PART NO.	QTY.	DESCRIPTION
8	G10003	1	Hex Head Cap Screw, 3/8"-16 x 1 1/2"
	G10229	1	Lock Washer, 3/8"
	G10101	1	Hex Nut, 3/8"-16
9	---	-	See "Liquid Fertilizer Piston Pump Uses 18 Tooth Sprocket" on page P244
10	G10615	1	Reducing Bushing, 1 1/2" Male NPT To 1 1/4" Female
11	G10629	1	Elbow, 90°, 1 1/4" NPT To Barb
12	---	-	See "Liquid Fertilizer Tanks, Saddles, Mounts, Hoses, and Fittings" on page P240
13	G10626	4	Adapter, 1 1/4" NPT To Barb
14	GA3893	1	Strainer Complete
	GR0880	-	Screen, No. 40 Mesh (Included W/GA3893)
	GR0881	-	Gasket (Included W/GA3893)
	GR0882	-	Y-Body (Included W/GA3893)
	GR0883	-	End Cap (Included W/GA3893)
15	G10053	1	Hex Head Cap Screw, 1/2"-13 x 2 1/2"
	G10228	1	Lock Washer, 1/2"
	G10501	1	Hex Jam Nut, 1/2"-13, Grade 2
	G10102	1	Hex Nut, 1/2"-13
16	GD5857	1	Spring
17	G10036	1	Hex Head Cap Screw, 5/8"-11 x 4"
	G10230	1	Lock Washer, 5/8"
	G10503	1	Hex Jam Nut, 5/8"-11, Grade 2
	G10104	1	Hex Nut, 5/8"-11
18	GA11024	1	Idler W/Sprocket And Hardware
	GA7154	1	Sprocket W/Bearing, 18 Tooth (Included W/GA11024)
	G10038	1	Hex Head Cap Screw, 1/2"-13 x 3" (Included W/GA11024)
	G10168	4	Machine Bushing, 1/2", 7 Gauge (Included W/GA11024)
	GD11158	1	Spacer, 3/4" O.D. x 9/16" Long (Included W/GA11024)
	G10501	1	Hex Jam Nut, 1/2"-13, Grade 2 (Included W/GA11024)
19	G10037	1	Hex Head Cap Screw, 1/2"-13 x 1 1/4"
	G10228	1	Lock Washer, 1/2"
	G10102	1	Hex Nut, 1/2"-13
20	GD1113	2	U-Bolt, 5" x 7" x 5/8"-11
	G10230	4	Lock Washer, 5/8"
	G10104	4	Hex Nut, 5/8"-11
21	GD16157	1	Bracket
22	GA10603	1	Pump Mount, L.H.
23	GA4620	1	Pump Mount, R.H.
24	G10001	4	Hex Head Cap Screw, 3/8"-16 x 1"
	GR1122	4	Mounting Pad
	G11387	4	Flat Washer, 3/8" SAE
	G10229	4	Lock Washer, 3/8"
	G10101	4	Hex Nut, 3/8"-16
25	G10478	1	Clevis Pin, 5/16" x 1"
	G10409	1	Retaining Ring, 5/16"
26	G3310-88	1	Chain, No. 40, 88 Pitch Including Connector Link
	GR0912	-	Connector Link, No. 40
27	G10670	1	Hair Pin Clip, No. 3
28	G2100-03	1	Bearing, 7/8" Hex Bore, Spherical
29	G3400-01	2	Flangette
30	G10303	3	Carriage Bolt, 5/16"-18 x 1"
	G10620	3	Serrated Flange Nut, 5/16"-18
31	GD11045	5	Lock Clamp
32	G10130	5	Square Head Machine Bolt, 5/16"-18 x 1 3/4"
	G10923	5	Flange Nut, 5/16"-18, No Serration
33	GD1719	1	Coupler, 4"
34	G10233	1	Machine Bushing, 1 1/2" x 1/32", 10 Gauge
35	GA5194	1	Sprocket, 50 Tooth

Model NGP-6055



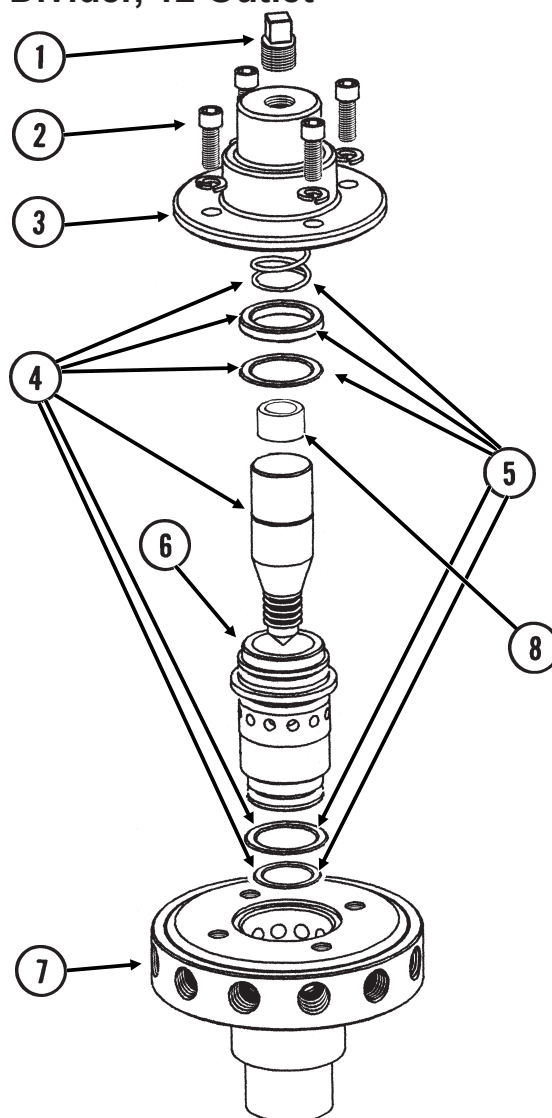
Liquid Fertilizer Piston Pump Uses 18 Tooth Sprocket

M0311-02

Model 3505

ITEM	PART NO.	QTY.	DESCRIPTION
1	GR1804	1	Flange Cover Assembly
	G10991	4	Hex Head Cap Screw, $\frac{5}{16}$ "-18 x $\frac{7}{8}$ "
2	GR1802	1	Connecting Rod Assembly
3	GR1801	1	Spacer Assembly
	G10693	3	Hex Socket Head Set Screw, $\frac{5}{16}$ "-18 x $\frac{3}{8}$ "
4	GR1123	2	Plug
5	GR1543	1	Vent Plug
6	GR1112	1	Woodruff Key
7	GR1120	1	Eccentric Pin
8	GR1124	1	Pin
9	GR1104	1	Bearing
10	GR1805	1	Setting Hub Assembly
11	GR1134	1	Stuffing Box Insert
12	GR1389	1	Sprocket, 18 Tooth
13	GR1808	1	Adjustment Wrench
14	GR1806	1	Setting Pointer Assembly
15	GR1795	1	Repair Kit, Includes: (6) Gaskets, (9) O-Rings, (4) Washers, (1) Retaining Ring, (2) Oil Seals, (1) Snap Ring, (1) Thrust Washer, (1) Rod Bushing, (2) Flange Plunger Packings, (2) Packing Springs, (2) Rod Vee Packing Sets
16	GR1799	2	Discharge Valve Assembly
17	GR1797	2	Suction Valve Assembly
18	GR1118	3	Setting Arm Key
19	GR1116	1	Bearing
20	G10306	1	Carriage Bolt, $\frac{3}{8}$ "-16 x 2"
	G10108	1	Lock Nut, $\frac{3}{8}$ "-16
21	G10003	4	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $1\frac{1}{2}$ "
	G11387	4	Flat Washer, $\frac{3}{8}$ " SAE
	G10229	4	Lock Washer, $\frac{3}{8}$ "
	G10101	4	Hex Nut, $\frac{3}{8}$ "-16
22	GR2003	1	Valve Cover
23	GR2185	1	Crankshaft
A	GA12330	-	Piston Pump Complete W/18 Tooth Sprocket (Model NGP-6055)

(FRTZ159/PT40a/FRTZ202c)

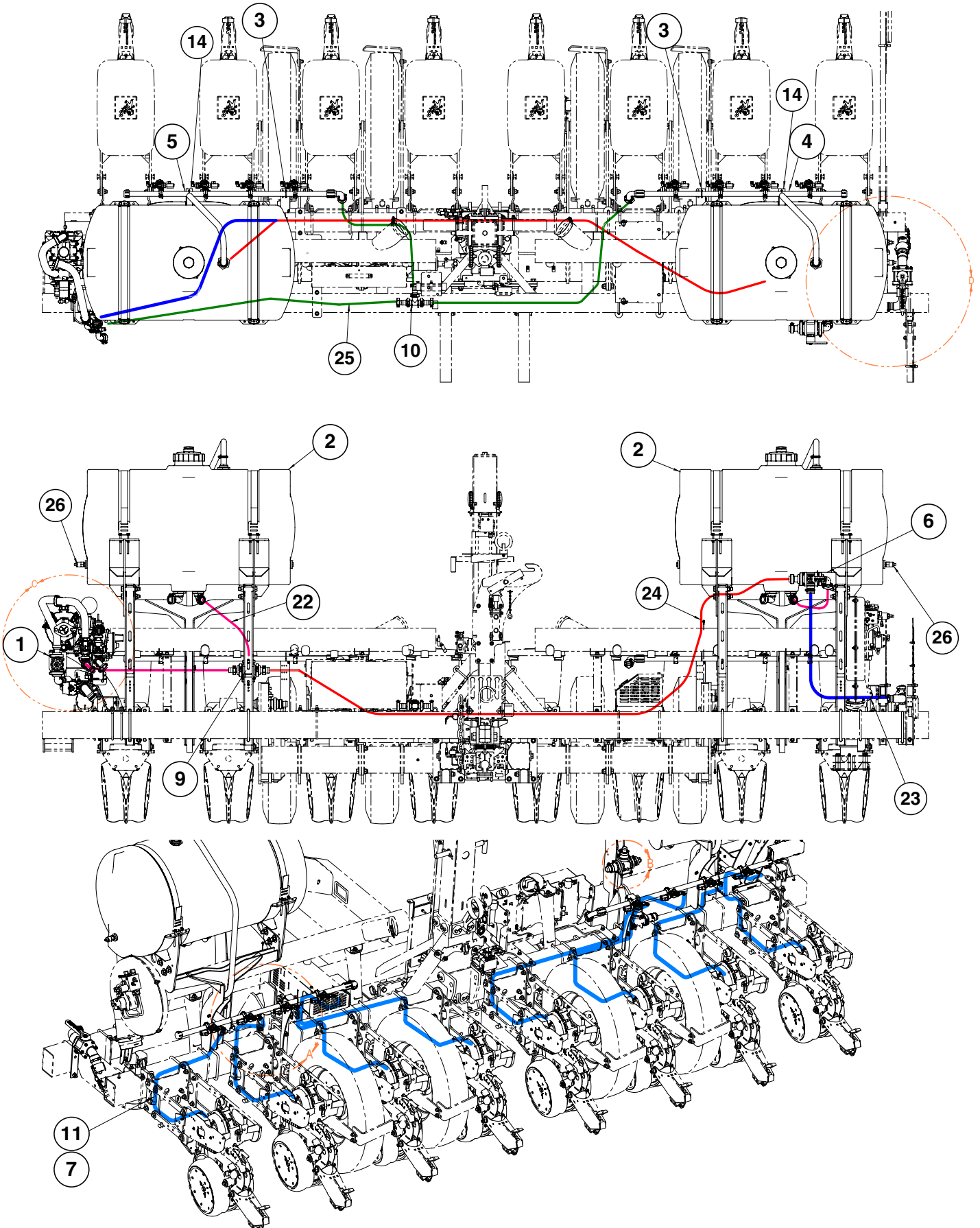
Model FD-1200 Flow Divider, 12 Outlet $\frac{3}{4}$ " NPT

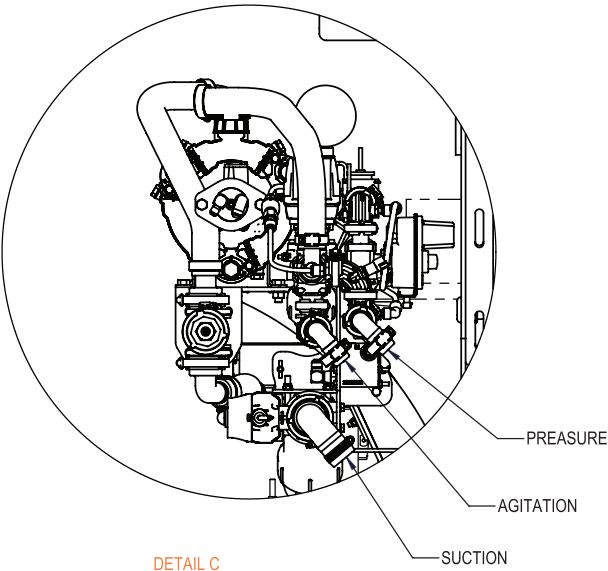
ITEM	PART NO.	QTY.	DESCRIPTION
1	GR1543	1	Vent Plug
2	GR1542	4	Hex Socket Head Screw, $\frac{1}{4}$ "-20 x $\frac{3}{4}$ "
	GR1541	4	Lock Washer, $\frac{1}{4}$ ", Stainless Steel
3	GR1540	1	Cap
4	GR1544	1	Needle Assembly W/Seal Kit (Item 22)
5	GR1545	1	Seal Kit, Includes: (3) O-Rings, (1) Seal, (1) Spring
6	GR1535	1	Sleeve
7	GR1533	1	Body (12 Outlets)
8	GR1574	-	Sleeve, 1" O.D. x $\frac{1}{2}$ " Long, Stainless Steel
A	GA8931	1	Liquid Fertilizer Piston Pump Flow Divider Complete, 12 Outlet (Model FD-1200)

Blue Drive Blue Vantage Liquid Fertilizer

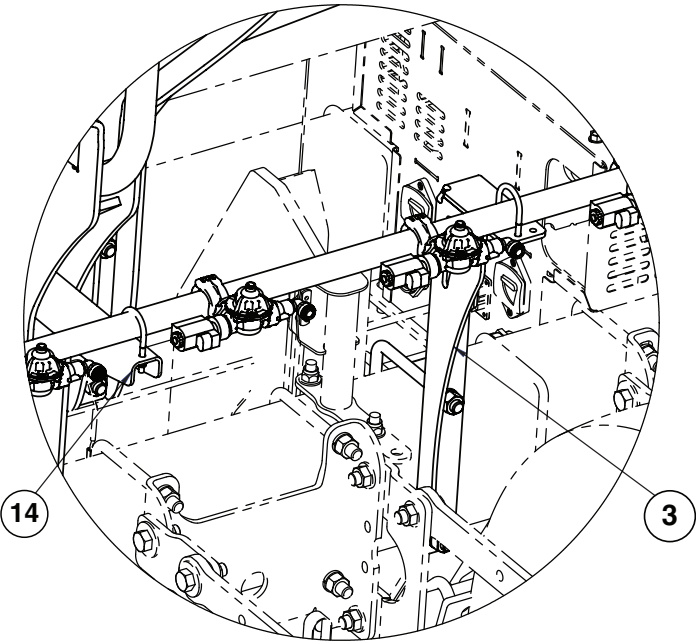
M0311-02

Model 3505

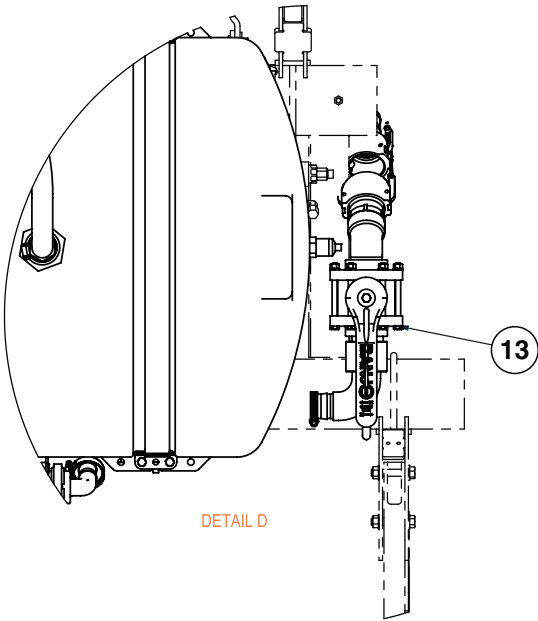




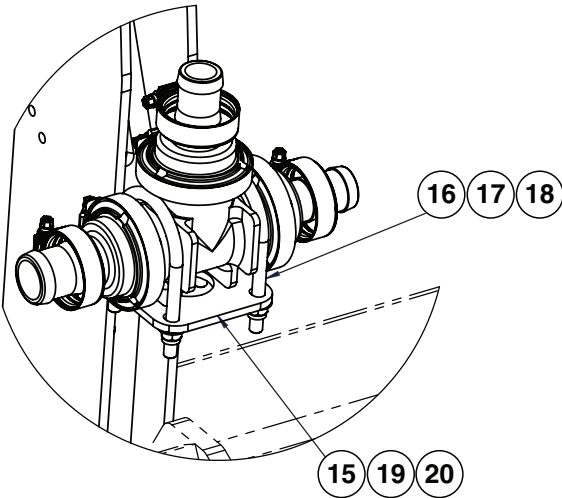
DETAIL C



DETAIL A



DETAIL D



DETAIL B

Blue Drive Blue Vantage Liquid Fertilizer

M0311-02

Model 3505

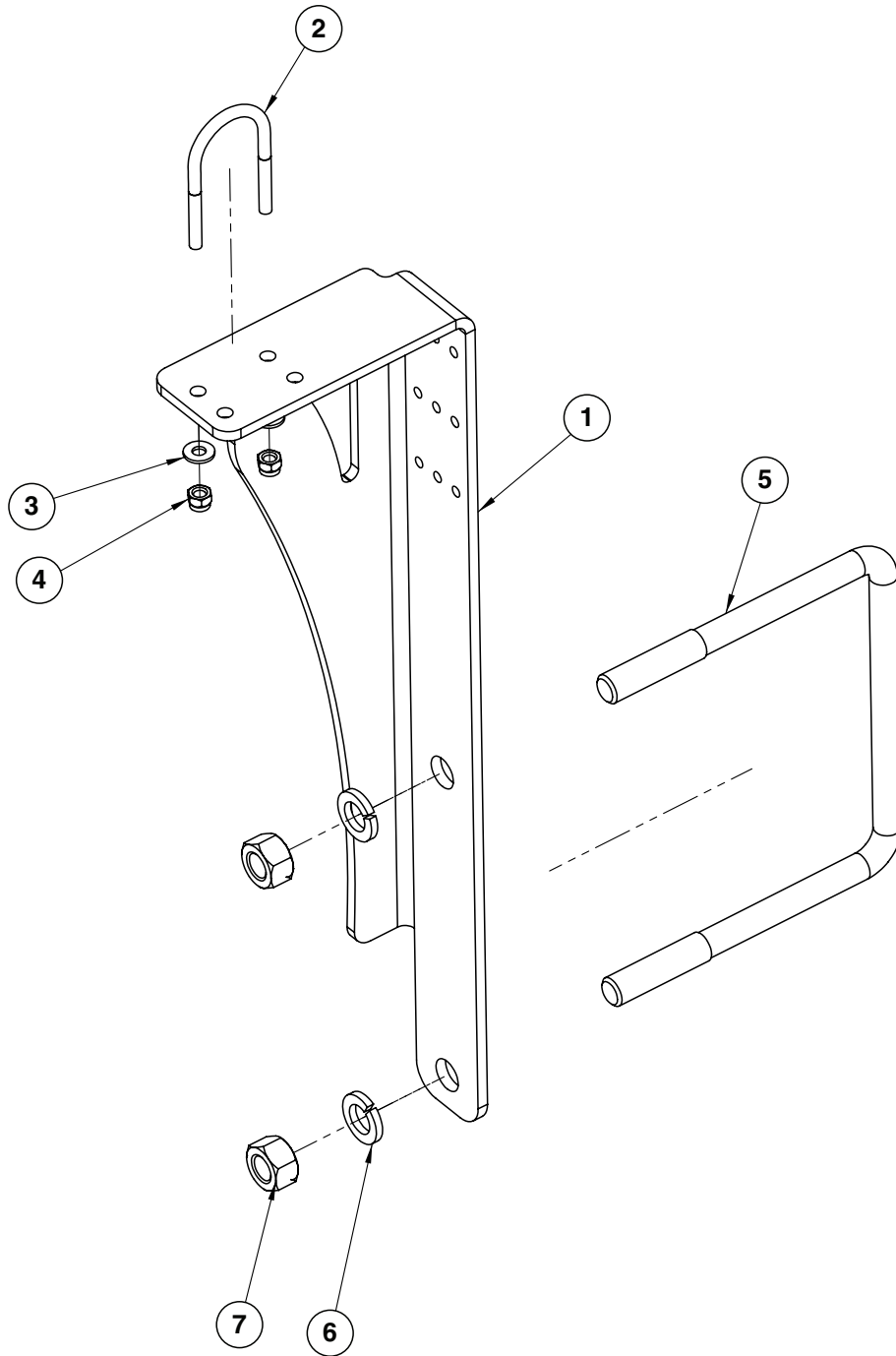
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10713601	1	Liquid Fertilizer Pump
2	G10713901	2	150 Gal. Tank Unit
3	G10735201	2	Rail Support
4	G10887401	1	Liquid Fertilizer Manifold with Switch
5	G10887402	1	Liquid Fertilizer Manifold with Switch
6	G10737901	1	3-Way Valve
7	G10609021	1	TUBE URETHANE 3/8 OD X .065W BLK X 900
8	G10702901	1	Tee, 2" - 1.5/1.5/2.0
9	G10702801	1	Tee, 1" - 1.25/1.25/1.5
10	G10695901	1	Front and Rear Tee
11	GD29709	16	Support Tube
12	G10739301	1	BV Liquid Fertilizer Harness Routing
13	G10695001	1	Quick Fill
14	G10738101	2	Rail Holder
15	G10805001	1	Tee Holder
16	G10510201	2	U-Bolt, 2-1/2" x 4-5/16"
17	G11387	4	Hardened Washer, 3/8" SAE
18	G10108	4	Lock Nut, 3/8"-16
19	G10857	2	Hex Head Cap Screw, 1/4"-20 x 1 1/4"
20	G10211	4	Washer, 1/4" SAE
21	G10110	2	Lock Nut, 1/4"-20, Grade B
22	G10616812	1	Hose, 1.8 OD X 1-1/4 ID X 250 IN
23	G10616602	1	Hose, 2.6 OD X 2 ID X 192 IN
24	G10616710	1	Hose, 2.1 OD X 1-1/2 ID X 450 IN
25	G10616505	1	Hose, 1.61 OD X 1-1/4 ID X 276 IN
26	GA18720	2	Liquid Level Sensor
27	G10734101	1	BV Liquid Fertilizer Hydraulic Hose

Rail Support

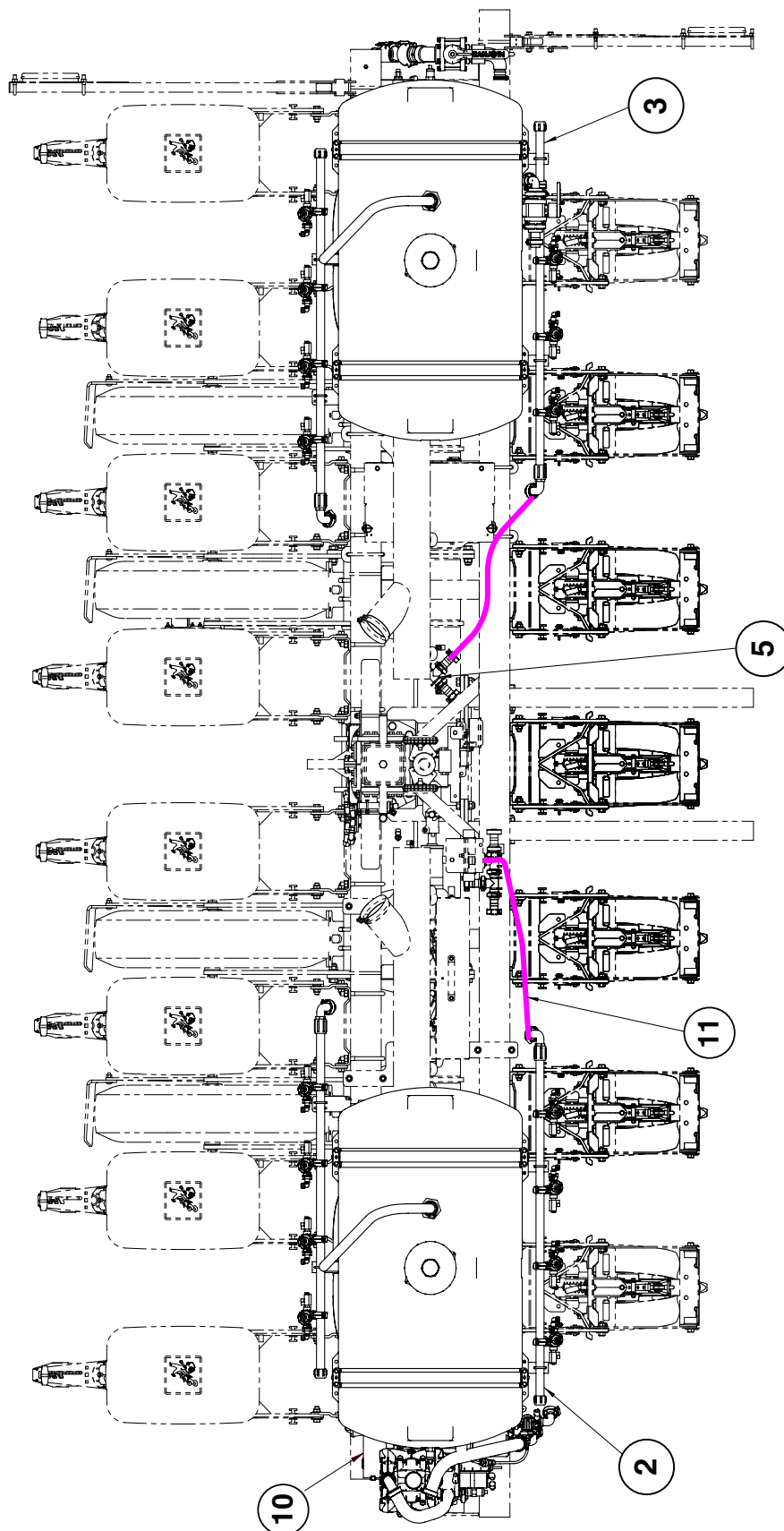
Model 3505

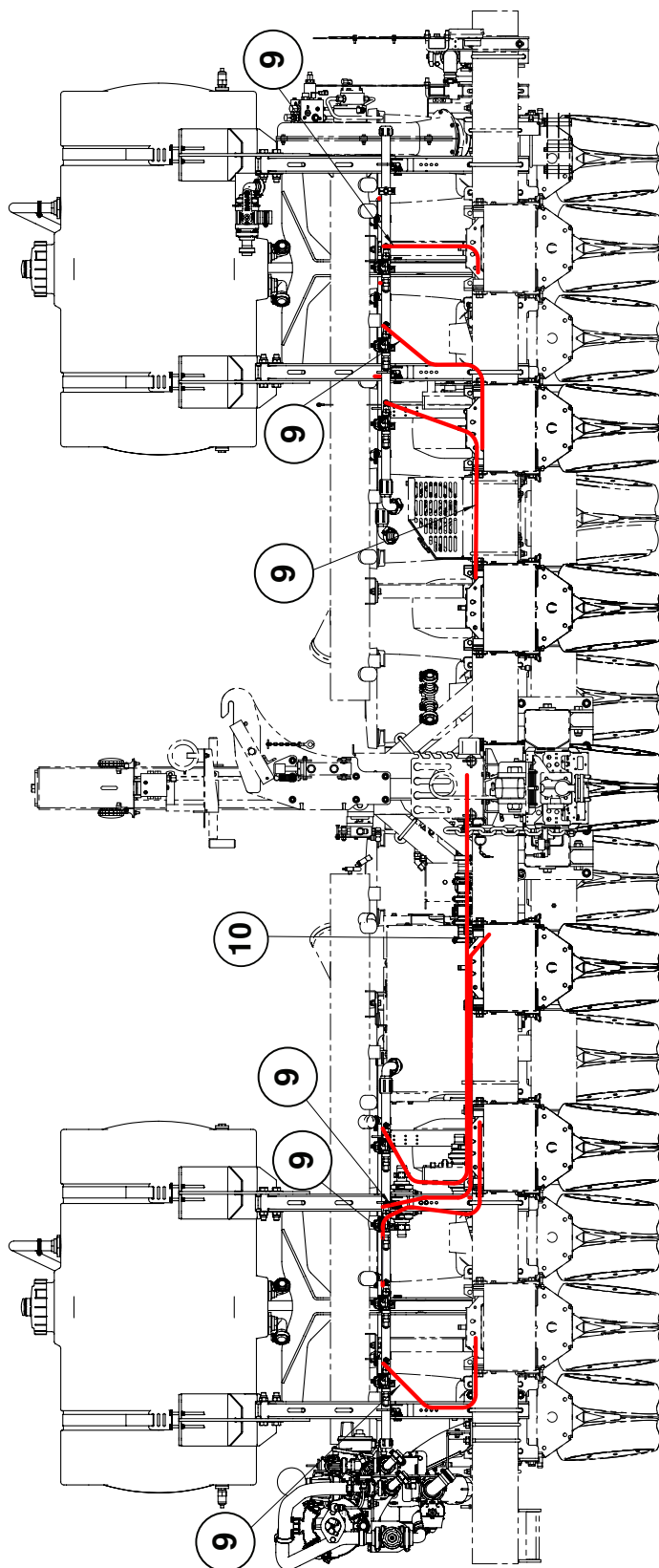
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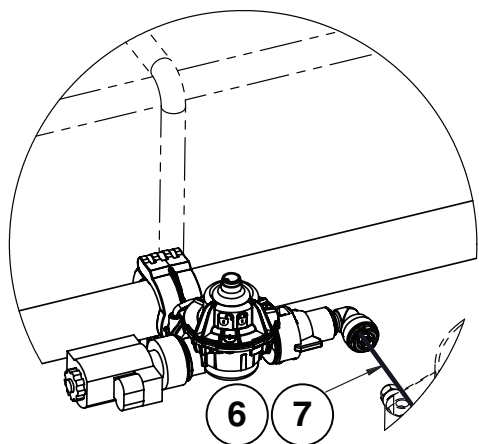
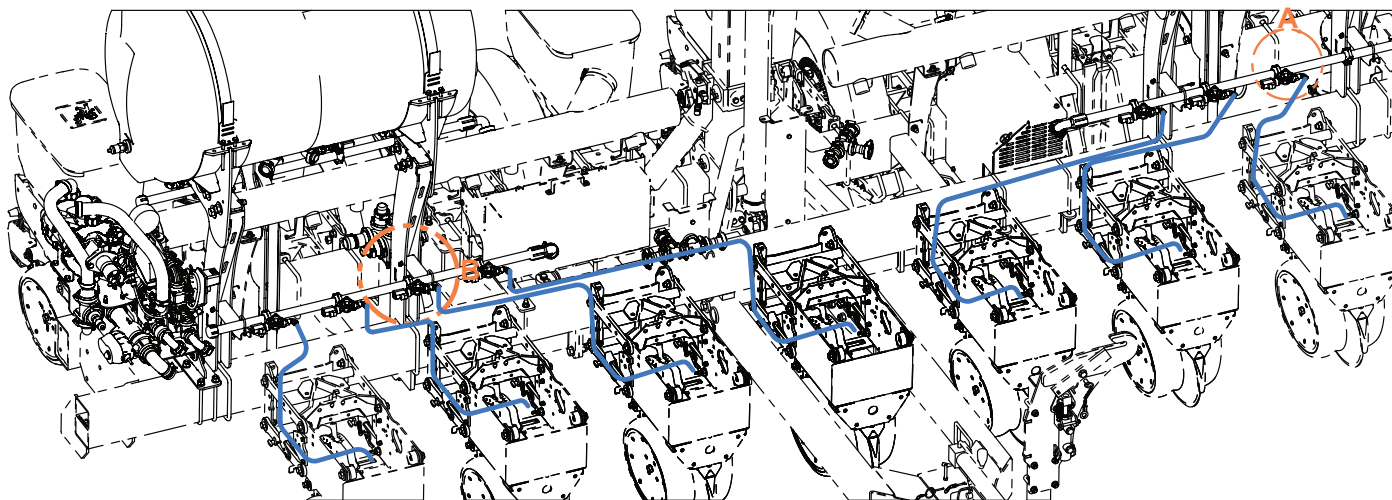
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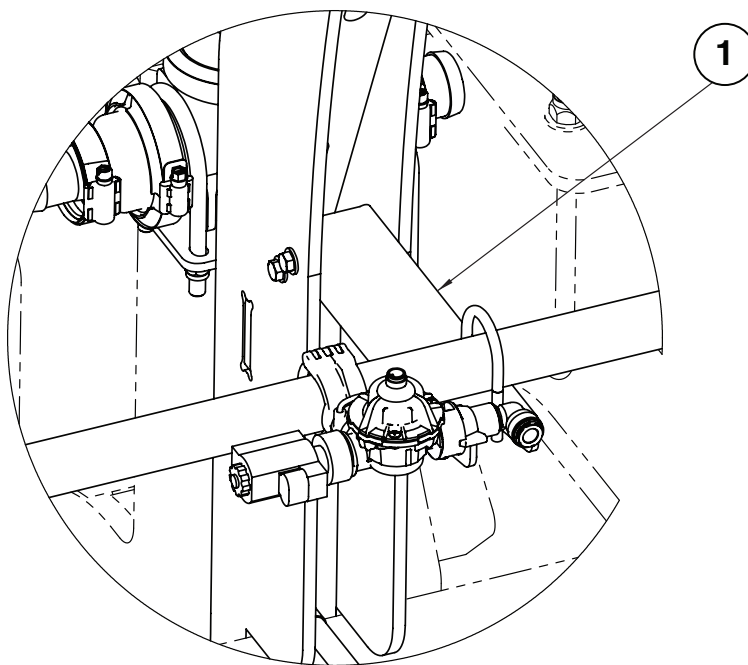
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10952801	1	Rail Holder
2	GD26274	1	U-Bolt, 1-1/2" x 1/4"-20
3	G11385	2	Flat Washer, 1/4" SAE
4	G11320	2	Lock Nut, 1/4"-20, Grade B
5	GD1113	1	U-Bolt, 5" x 7" x 5/8"-11
6	G10230	2	Lock Washer, 5/8"
7	G10104	2	Hex Nut, 5/8"-11







DETAIL A



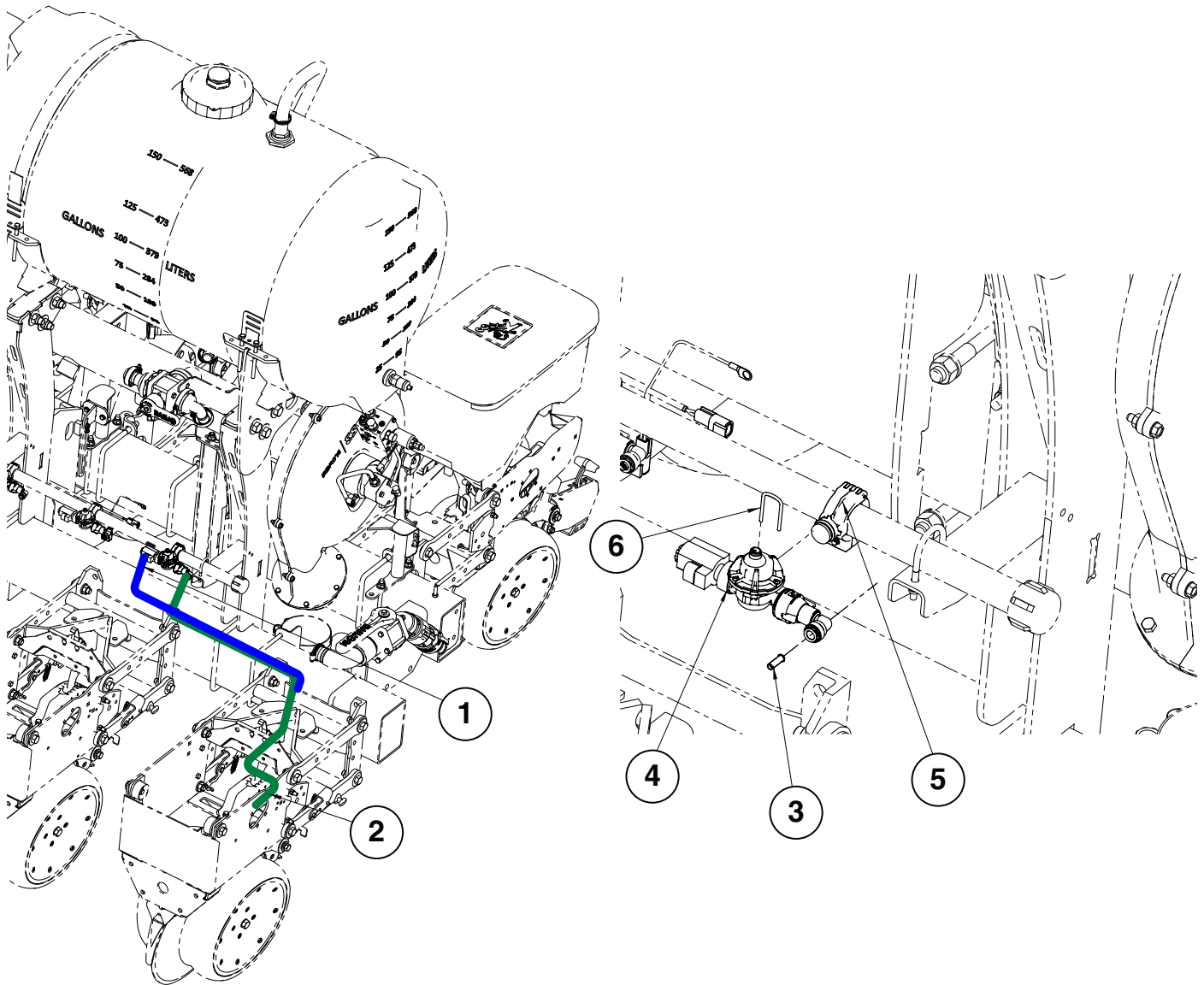
DETAIL B

ITEM	PART NO.	QTY.	DESCRIPTION
1	G10738101	4	Rail Holder
2	G10887401	1	Liquid Fertilizer Manifold with Switch
3	G10887501	1	Liquid Fertilizer Manifold with Switch, Split Row
4	G10695902	1	Front and Rear Tee
5	G10695901	1	Front and Rear Tee
6	GD29709	14	Support Tube
7	G10609021	1	TUBE URETHANE 3/8 OD X .065W BLK X 900
8	G10616502	1	Hose, 1.61 OD X 1-1/4 ID X 72 IN
9	G10840303	7	Fertilizer Row Unit Extension Harness, 66"
10	GD27290	8	Mesh Strainer

Liquid Fertilizer Even Row

M0311-02

Model 3505

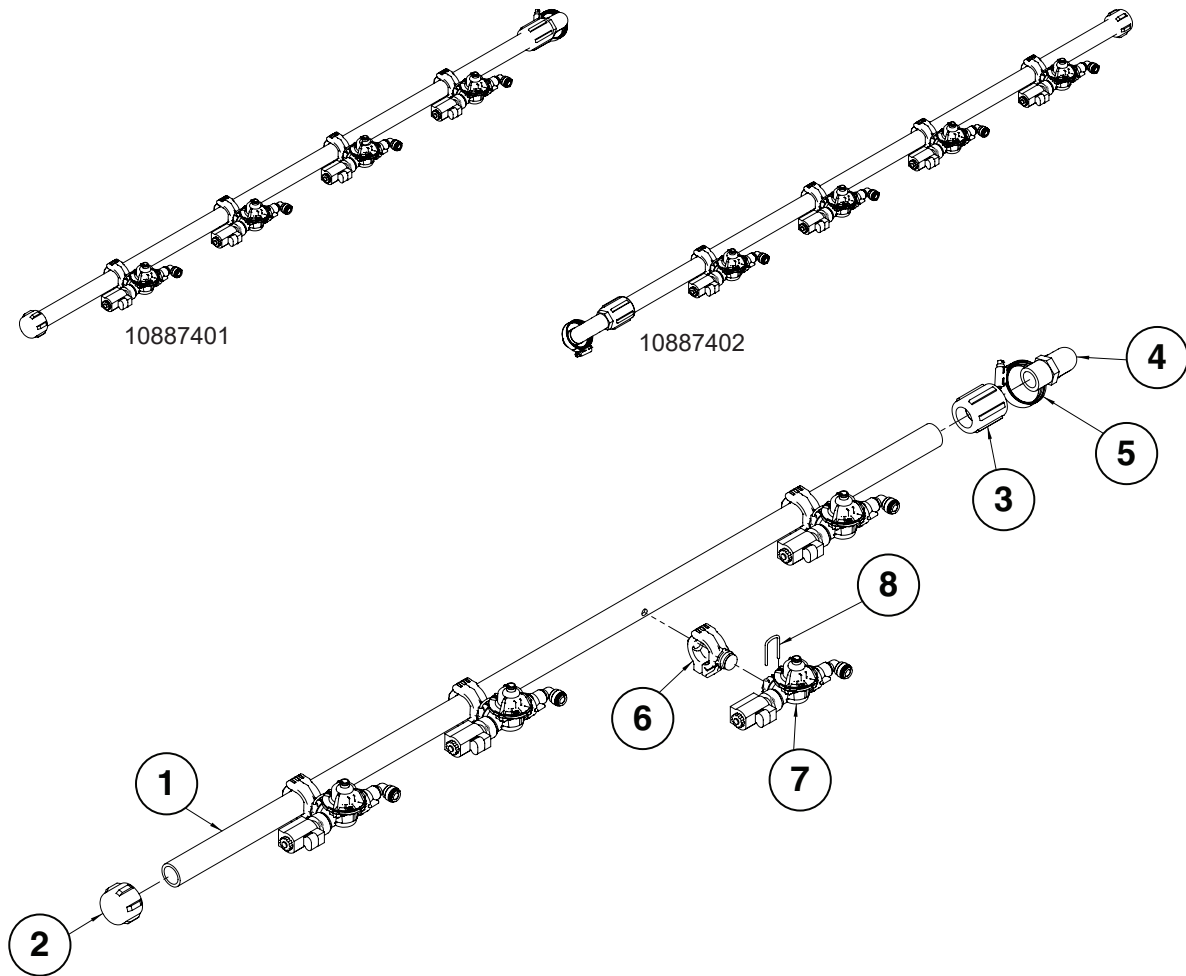


ITEM	PART NO.	QTY.	DESCRIPTION
1	G10840303	1	Fertilizer Row Unit Extension Harness, 66"
2	G10609007	1	TUBE URETHANE 3/8 OD X .065W BLK X 120.000
3	GD29709	2	Support Tube
4	G10773301	1	Manifold Row Flow Basic Assembly
5	G10773801	1	Manifold Clamp
6	G10833001	1	Wire Retention Clip

Liquid Fertilizer Manifold with Switch

Model 3505

M0311-02



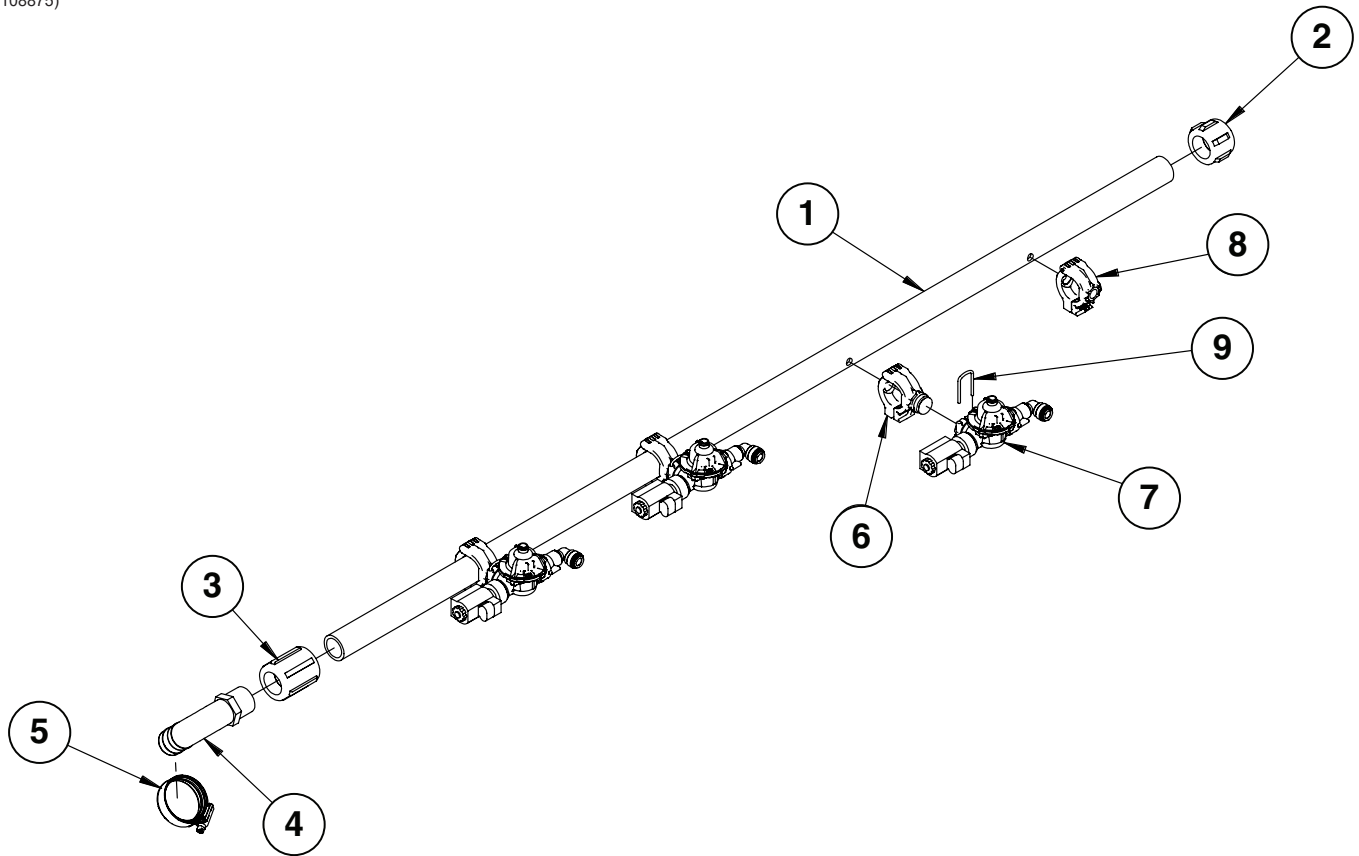
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10695301	1	Rail
2	GD22503	1	1" Pipe Cap
3	G11554	1	1" Pipe Coupling
4	G11460	1	90° Elbow, 1" NPT x 1 1/4" Hose Barb
5	G10829101	1	Hose Clamp
6	G10773801	4	Manifold Clamp
7	G10773301	4	Manifold Row Flow Basic Assembly
8	G10833001	4	Wire Retention Clip

Liquid Fertilizer Manifold with Switch (Split Row)

M0311-02

Model 3505

(108875)

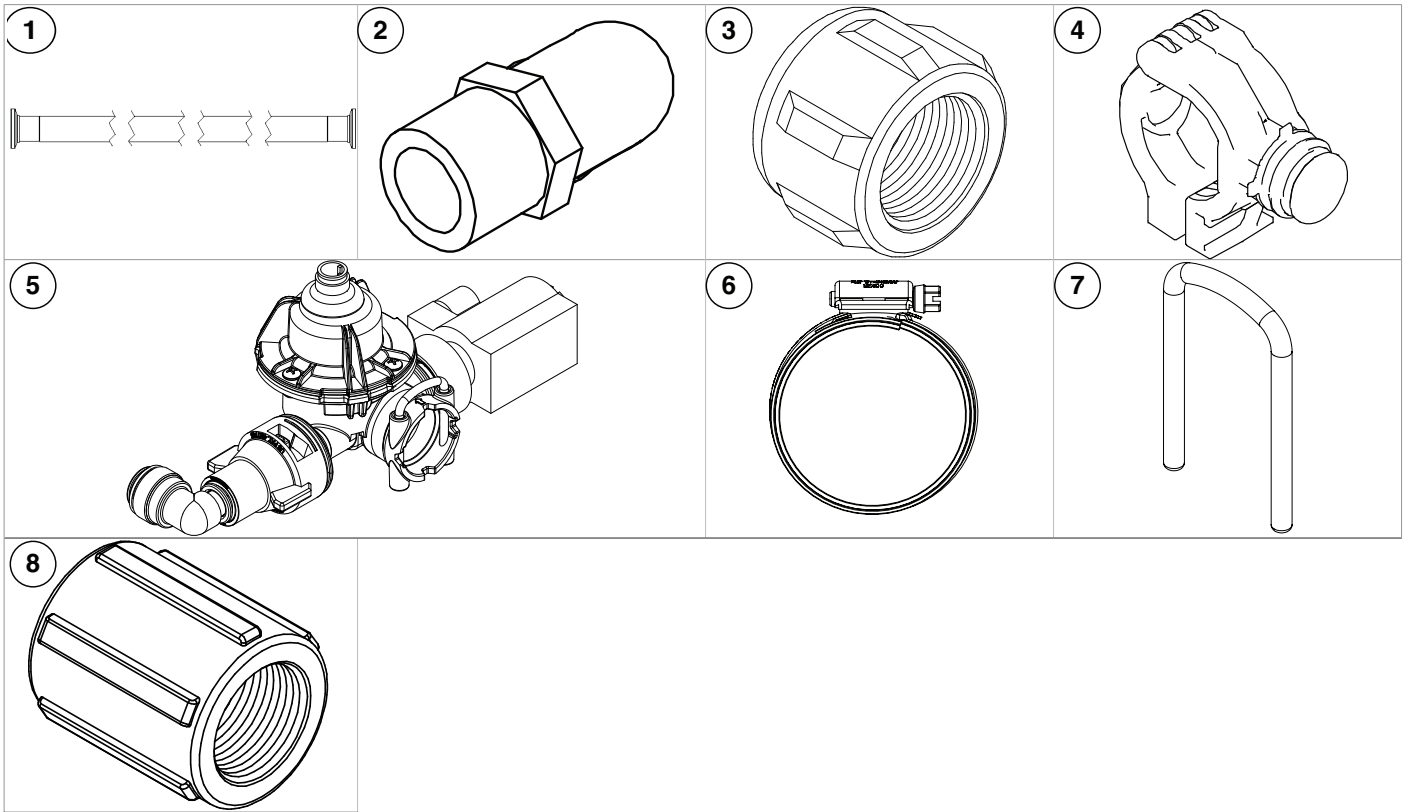


ITEM	PART NO.	QTY.	DESCRIPTION
1	G10695301	1	Rail
2	GD22503	1	1" Pipe Cap
3	G11554	1	1" Pipe Coupling
4	G11460	1	90° Elbow, 1" NPT x 1 1/4" Hose Barb
5	G10829101	1	Hose Clamp
6	G10773801	3	Manifold Clamp
7	G1077330	3	Manifold Row Flow Basic Assembly
8	G10608701	1	Blank Nozzle Body
9	G10833001	3	Wire Retention Clip

Fertilizer Manifold Parts

Model 3505

M0311-02



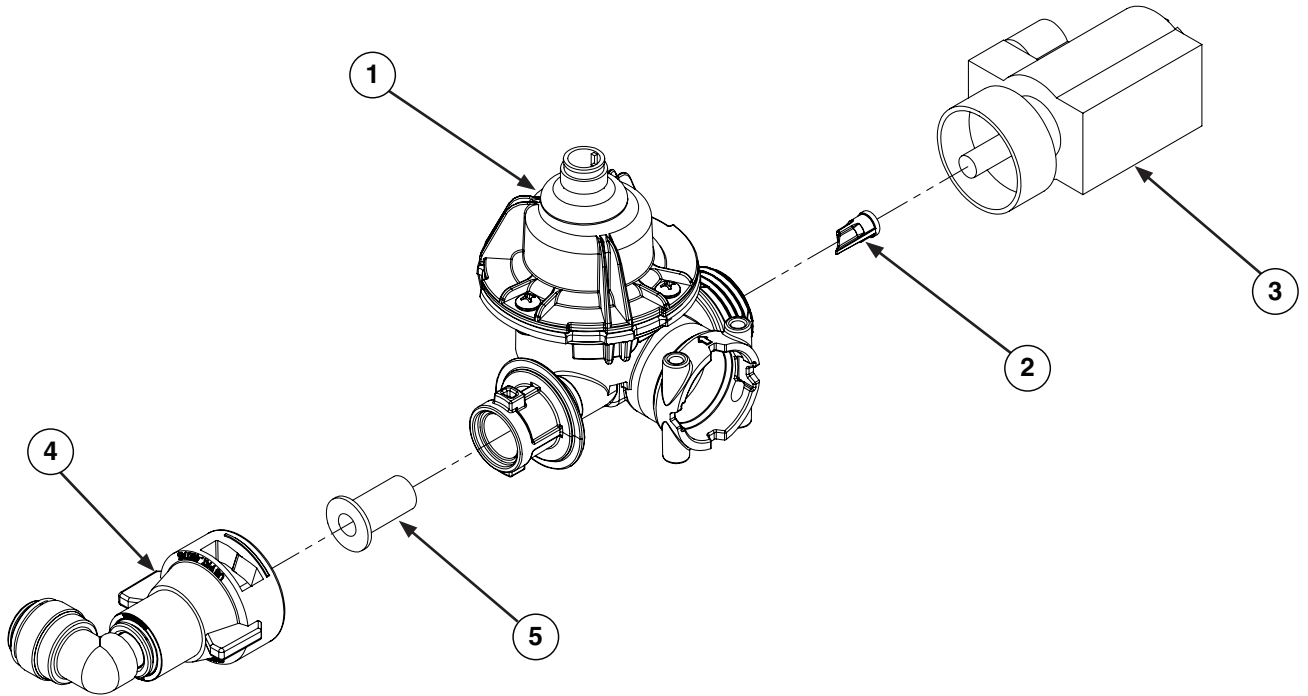
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10695301	-	Rail
2	G11460	-	90° Elbow, 1" NPT x 1 1/4" Hose Barb
3	GD22503	-	1" Pipe Cap
4	G10773801	-	Manifold Clamp
5	G10773301	-	Manifold Row Flow Assembly
6	G10829101	-	Hose Clamp
7	G10833001	-	Wire Retention Clip
8	G11554	-	1" Pipe Coupling

Manifold Row Flow Assembly

M0311-02

Model 3505

(107733)



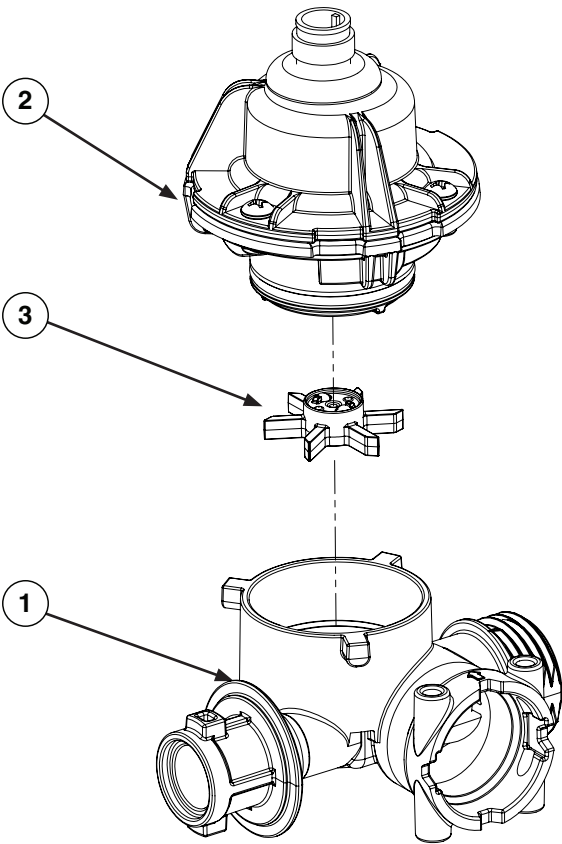
ITEM	PART NO.	QTY.	DESCRIPTION
1	G11007101	1	See "Fertilizer Flow Meter Assembly" on page P260
2	G10773101	1	Flow Meter Orifice, 0.082"
3	GA20732	1	Fertilizer Shut Off
4	G10522501	1	Fertilizer Manifold Cap, 90°
5	G10943101	1	Strainer Nozzle, 100 Mesh

Fertilizer Flow Meter Assembly

Model 3505

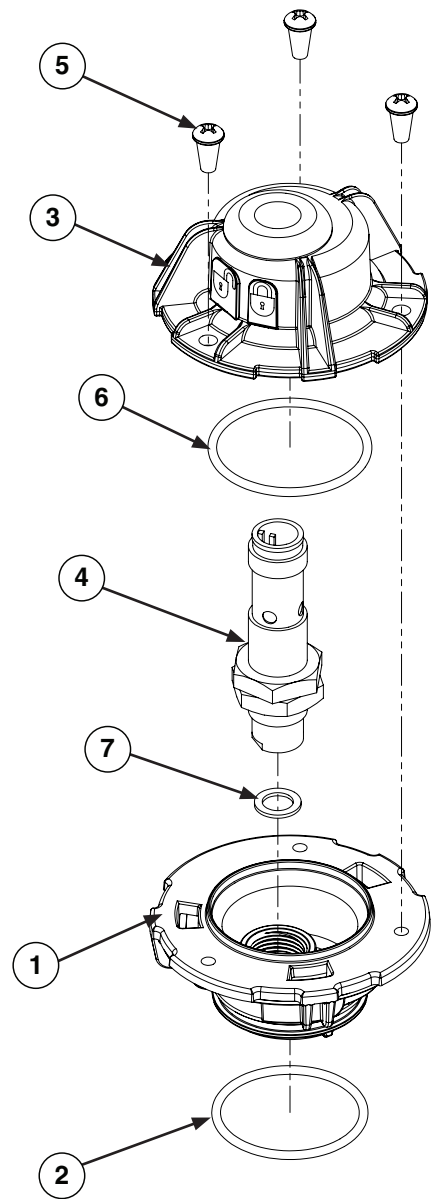
M0311-02

(110071)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10772302	1	Manifold Fertilizer Flow Meter
2	G10772601	1	See "Fertilizer Flow Meter Cover" on page P261
3	G10773001	1	Fertilizer Flow Meter Paddle Wheel Assembly

(107726)



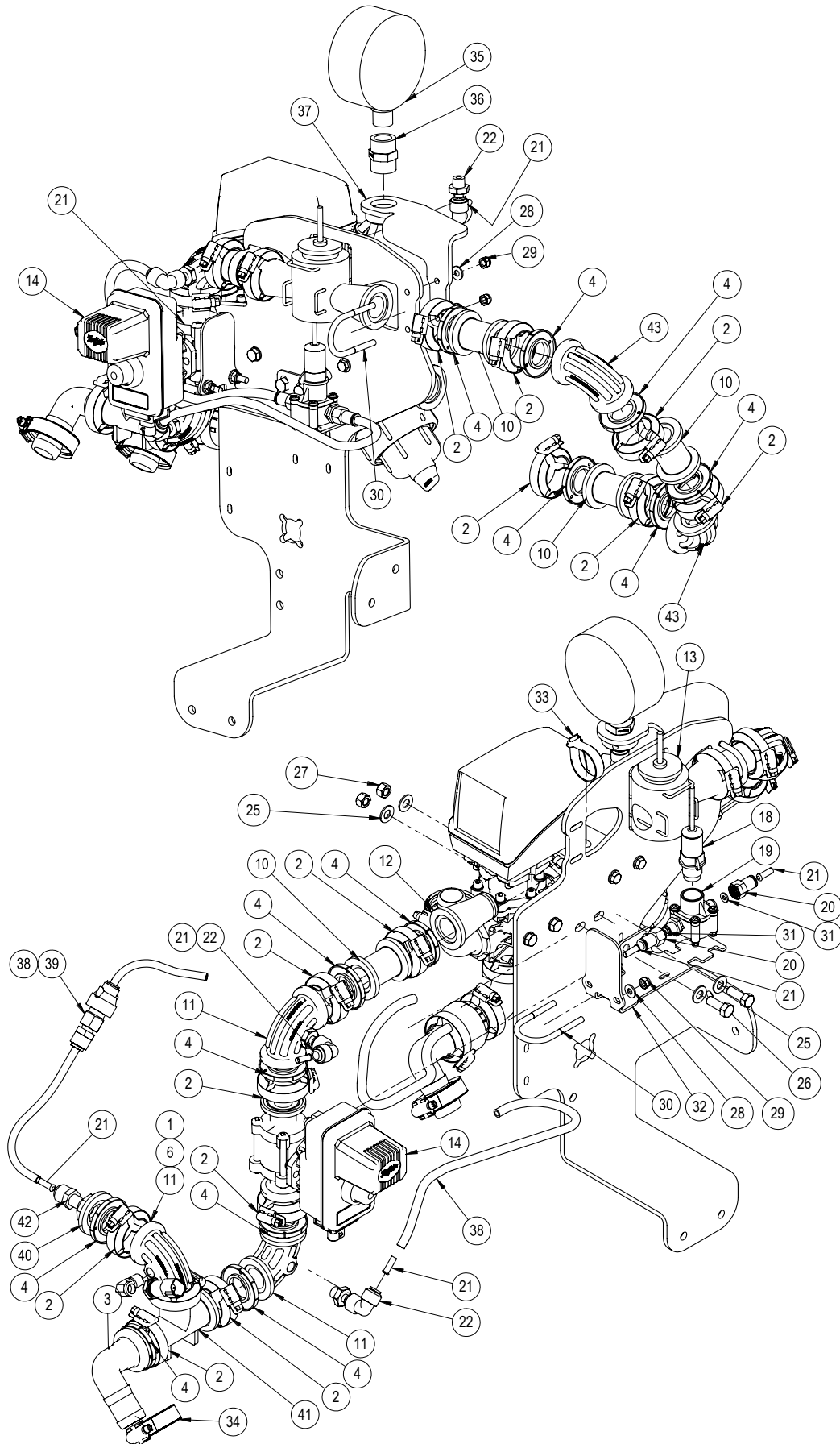
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10832301	1	Fertilizer Flow Meter Cover
2	G10772501	1	O-Ring, No. 24
3	G10832401	1	Dust Cap Assembly
4	G10832701	1	Proximity Sensor
5	G10963001	3	Phillips Pan Head Tapping Screw, 6-19 x 5/16"
6	G10833101	1	O-Ring, No. 25
7	G10840901	1	Plastic Shim, 3/8" x 1/4" x .03"

Liquid Fertilizer Filter Unit

Model 3505

M0311-02

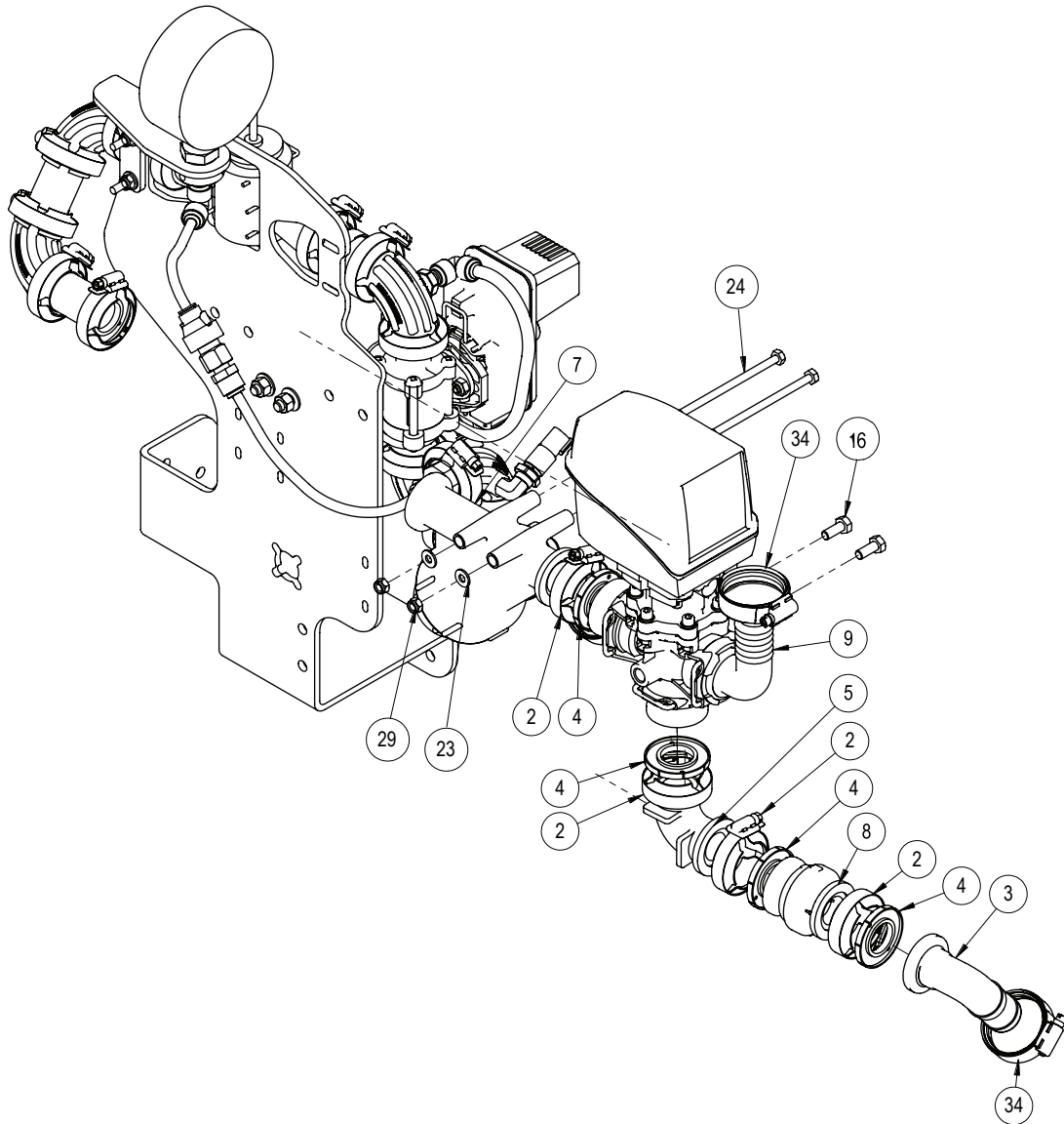
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Liquid Fertilizer Filter Unit

M0311-02

Model 3505



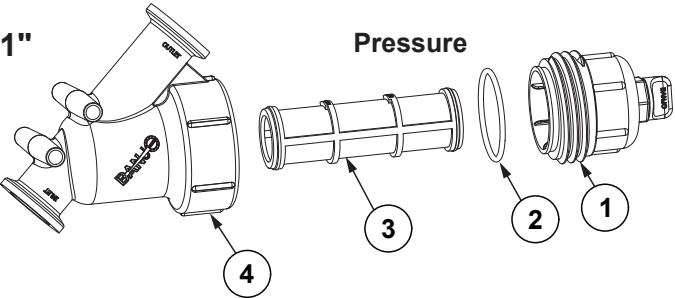
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10580101	1	Reducer, 90°, 1/4"-18 NPT Male, X 1/8"-27 Female NPT
2	G11467	18	Flange Clamp SS 50 Series
3	G10425601	2	Flanged Elbow, 1" x 1 1/4" Barb, 90°
4	G10406801	18	Gasket, 1", Skirted, Flanged
5	G11574	1	1" Manifold Coupling, 90°
6	GA14804	1	Pressure Sensor (0-120 PSI)
7	G10398701	1	Manifold Strainer, "Y", 1". w/80 Mesh Screen
8	G10466101	1	Check Valve, 1" Manifold, Flanged
9	G10496401	1	Pressure Regulator
10	G11575	4	1" Flanged Straight Coupling
11	G11698	3	90° Elbow with 1/4" Gauge Port Flange Sweep
12	GD26304	2	Flow Meter Flanged Adapter
13	GA14813	1	Flow Meter
14	G10632101	1	Electric Ball Valve, 1" w/ Harness
15	G10681401	1	Filter Plate
16	G12003-20	2	Hex Head Cap Screw, M8-1,20
17	G12081	2	Flat Washer, M8
18	G10629701	1	Sensor, Mini Flow Meter

Liquid Fertilizer Filter Unit

Model 3505

M0311-02

ITEM	PART NO.	QTY.	DESCRIPTION
19	G10629801	1	Mini Flow Meter
20	G10629901	2	Adapter, 1/4" BSP to 3/8" Push to Connect
21	GD29709	6	Support Tube
22	GA21614	3	90° Push-To-Connect Elbow
23	G10211	4	Washer, 1/4" SAE
24	G11203	2	Hex Head Cap Screw, 1/4"-20 x 4 1/2"
25	G10203	4	Washer, 3/8" SAE
26	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
27	G10101	2	Hex Nut, 3/8"-16
28	G11385	4	Flat Washer, 1/4" SAE
29	G10110	6	Lock Nut, 1/4"-20, Grade B
30	GD26274	2	U-Bolt, 1-1/2" x 1/4"-20
31	G10636801	2	Sealing Rubber Washer
32	G10663901	1	Bracket, Mini Flow Meter
33	G10176901	1	Cable Tie, 1/2" x 12"
34	G10829101	3	Hose Clamp
35	GA21456	1	Pressure Gauge
36	G5000-08-04	1	Coupling, 1/2"-14 FNPT x 1/4"-18 FNPT
37	G10741301	1	Fertilizer Rail Pressure Gauge Mount
38	G10609002	1	Urethane Tube, 3/8" O.D., x 0.065" x 45"
39	G10771901	1	See "Orifice In-Line Housing" on page P204
40	G10618301	1	Flanged Plug, 1" w/ 1/4" Female NPT Port
41	G11583	1	1" Flanged Manifold Tee
42	GD29625	1	Connector, 1/4" NPT x 3/8"
43	G10817701	2	Sweep Flange, 90°

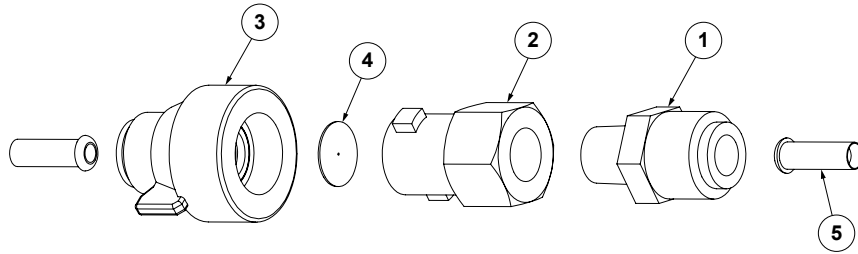


ITEM	PART NO.	QTY.	DESCRIPTION
1	G10974501	1	Cap Assembly, 1"
2	G10975501	1	O-Ring, No. 228 (1" Manifold Strainer)
3	G10974401	1	80 Mesh Screen (1" Manifold Strainer)
4	G10974601	1	Manifold Body
A	G10398701	1	1" Manifold Y Strainer W/80 Mesh Screen (Items 1-4)

Orifice In-Line Housing

Model 3505

M0311-02



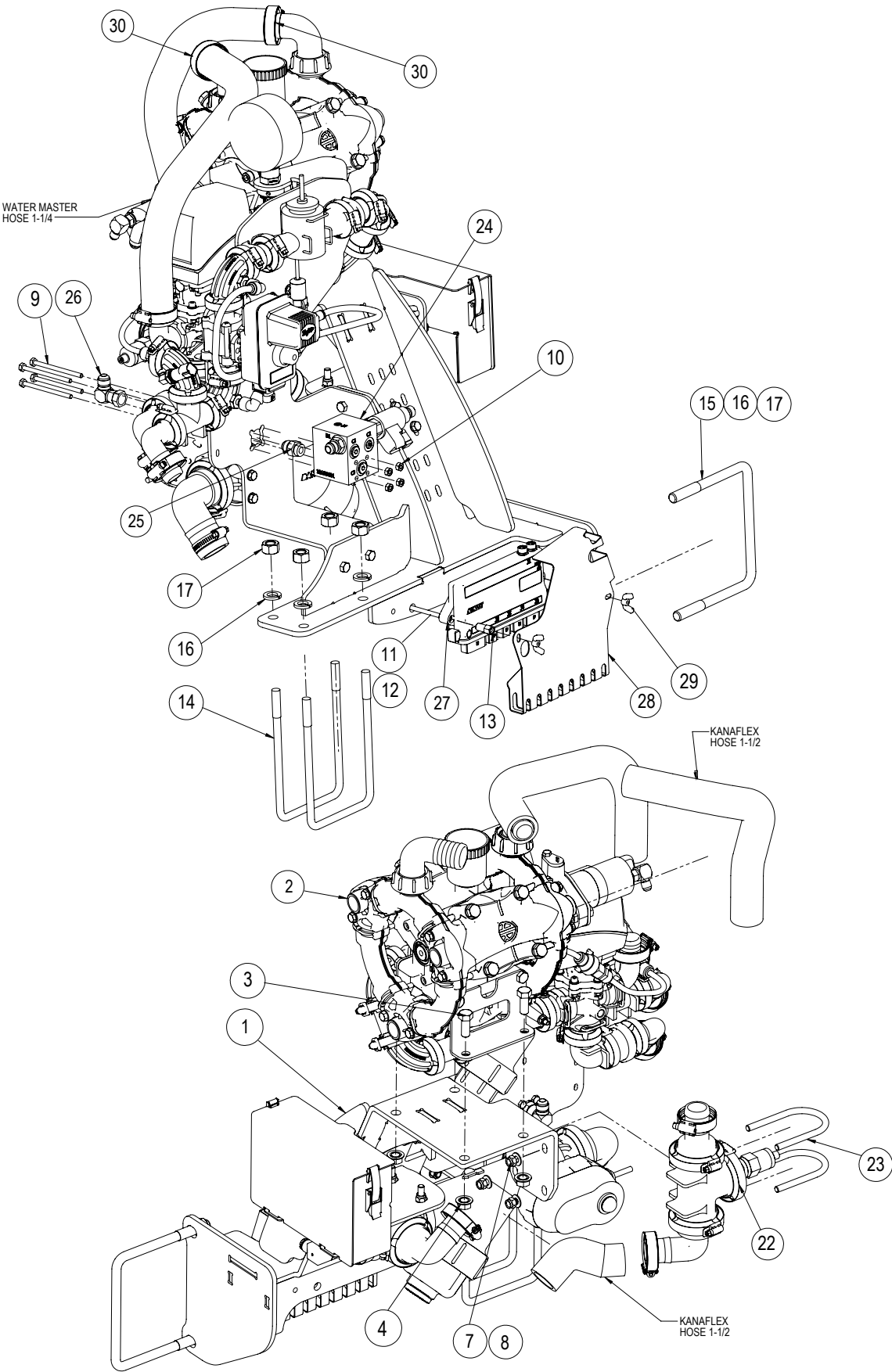
ITEM	PART NO.	QTY. (per Assy)	DESCRIPTION
1	GD29625	1	Connector, 1/4" NPT x 3/8"
2	G10771701	1	Orifice Adapter Cushion
3	GD21158	1	Cap
4	G10771801	1	Orifice (.020)
5	GD29709	2	Support Tube

Liquid Fertilizer Pump Assembly

M0311-02

Model 3505

(107136)

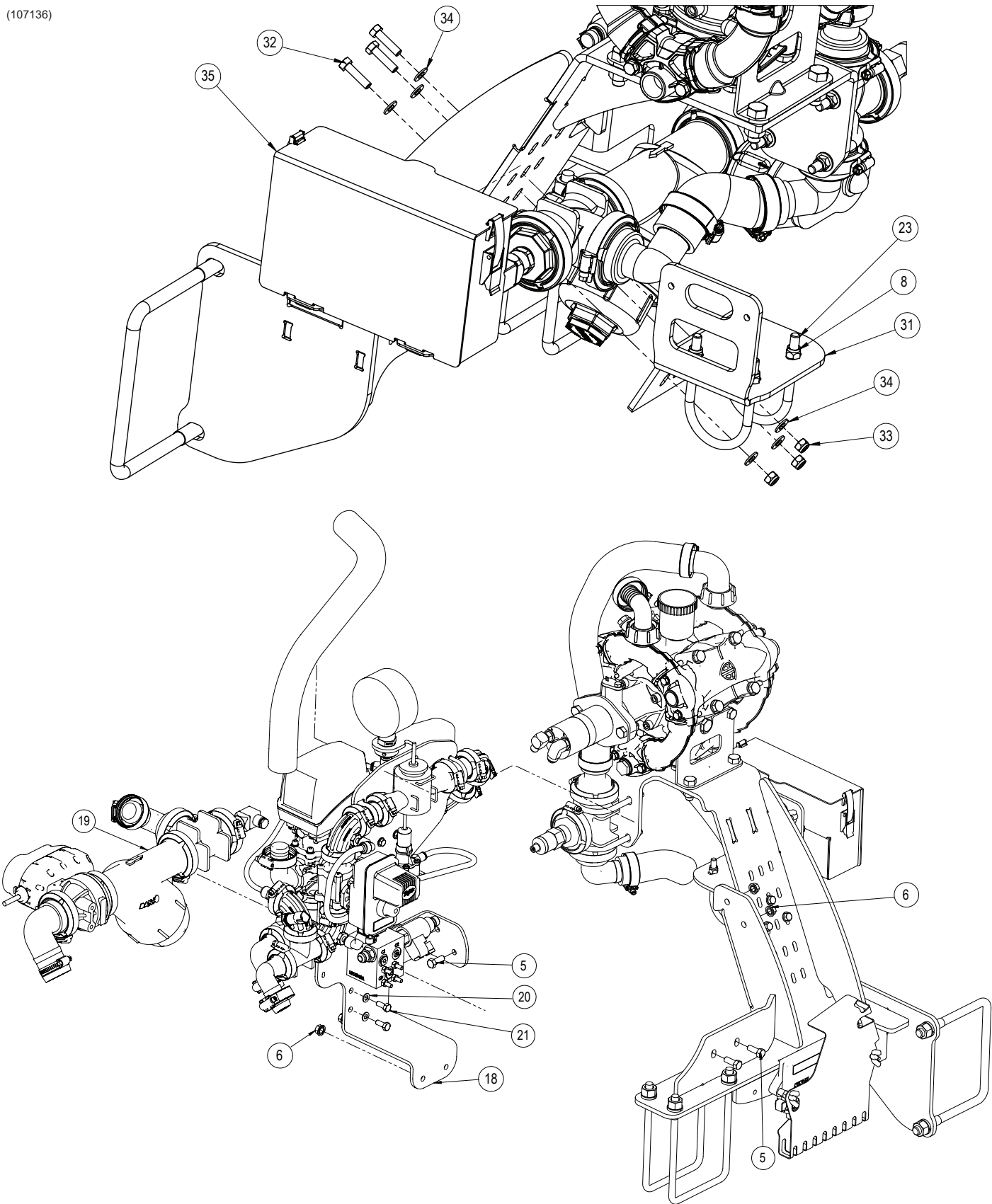


Liquid Fertilizer Pump Assembly

Model 3505

M0311-02

(107136)



Liquid Fertilizer Pump Assembly

M0311-02

Model 3505

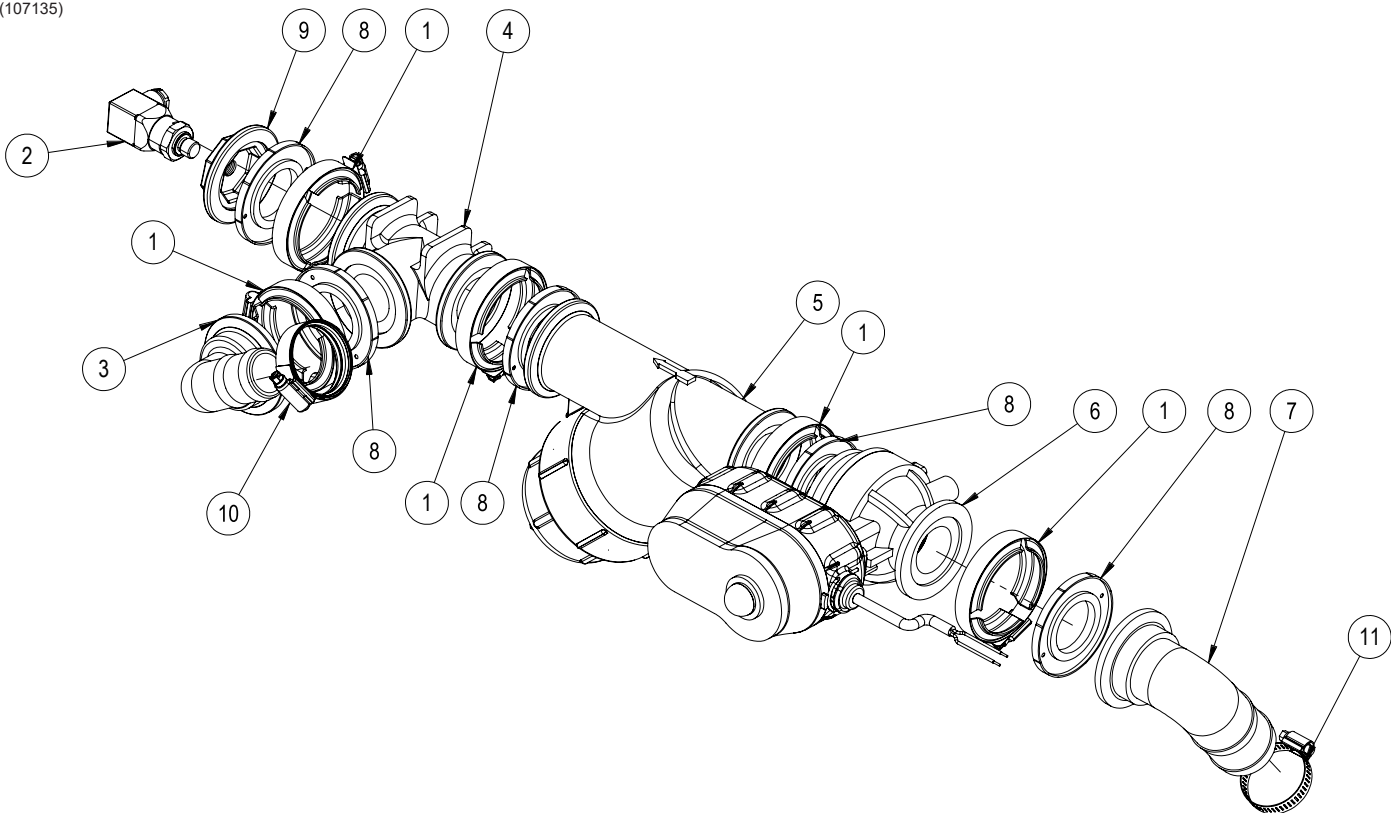
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10674701	1	Pump Frame
2	G10602501	1	BV Liquid Fertilizer Pump and Motor
3	G10037	4	Hex Head Cap Screw, ½"-13 x 1¼"
4	G10071	4	Serrated Flange Nut, ½"-13
5	G10001	4	Hex Head Cap Screw, ¾"-16 x 1"
6	G11091	4	Serrated Flange Nut, 3/8"-16
7	G11387	4	Flat Washer, ¾" SAE
8	G10108	8	Lock Nut, ¾"-16
9	G11135	4	Hex Head Cap Screw, ¼"-20 X 3 ¾"
10	G10103	4	Hex Nut, ¼"-20
11	G11929	2	Hex Head Cap Screw, 1/4"-20 x 2.75", Grade 5
12	G11385	2	Flat Washer, ¼" SAE
13	GD35609	2	Hex Standoff
14	GD8306	2	U-Bolt, 7" x 5" x ½"-13
15	GD1113	1	U-Bolt, 5" x 7" x 5/8"-11
16	G10230	6	Lock Washer, 5/8"
17	G10104	6	Hex Nut, 5/8"-11
18	G10712701	1	Liquid Fertilizer Filter Unit
19	G10713501	1	Electrical Ball Valve with Filter
20	G12081	2	Flat Washer, M8
21	G12003-20	2	Hex Head Cap Screw, M8-1,20
22	G10713401	1	Fluid Level Sensor
23	G10510201	4	U-Bolt, 2-1/2" x 4-5/16"
24	G10186001	1	Fan Control Manifold
25	G6400-08	1	Connector W/O-Ring, 3/4"-16 Male JIC To O-Ring
26	G6500-08	1	Swivel Elbow, 90°, 3/4"-16 Male JIC To Female
27	GA25949	1	IPN Module Assembly
28	G10146001	1	IPN Wire Shield
29	G10531	2	Wing Nut W/Nylon Insert, ¼"-20
30	G10829101	2	Hose Clamp, 1-5/8" - 2-1/8"
31	G10987601	1	Holder Plate
32	G10171	3	Hex Head Cap Screw, 5/16"-18 x 1 1/4"
33	G10109	3	Lock Nut, 5/16"-18, Grade 8
34	G10379	6	Flat Washer, 5/16"
35	G10987302	1	Orifice Storage Box

Electrical Ball Valve with Filter

Model 3505

M0311-02

(107135)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G11468	5	Flange Clamp SS 75 Series
2	G10474501	1	Hydraulic Pressure Transmitter Sensor
3	G10437901	1	Elbow, 2" Flange x 1-1/2" Barb, 90°
4	G11508	1	Tee, 2" Port Flange
5	G10398301	1	Manifold "Y" Strainer, 2" w/ 30 Mesh Screen
6	G10406601	1	Electrical Ball Valve
7	G11457	1	Elbow, 2" Flange x 2" Hose Barb, 90°
8	G10406701	5	Gasket, 2" Skirted Flange
9	G10474701	1	Plug, 2" Flanged w/ 1/4" FPT Port
10	G10829101	1	Hose Clamp
11	G10676	1	Hose Clamp, No. 36, Stainless Steel

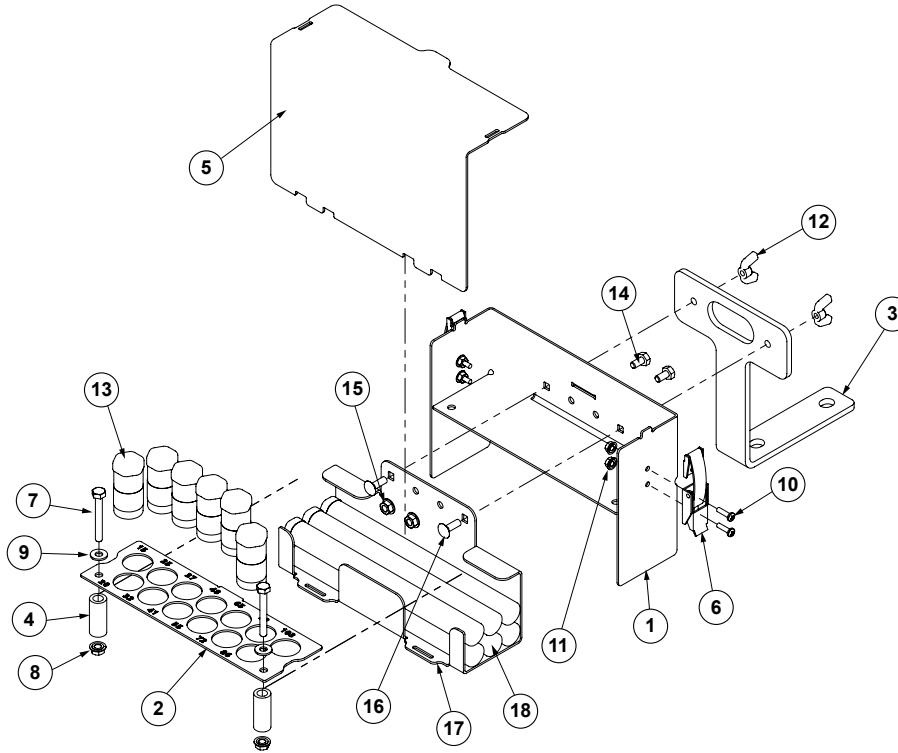
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Orifice Storage Box

Model 3505

M0311-02

(109873)



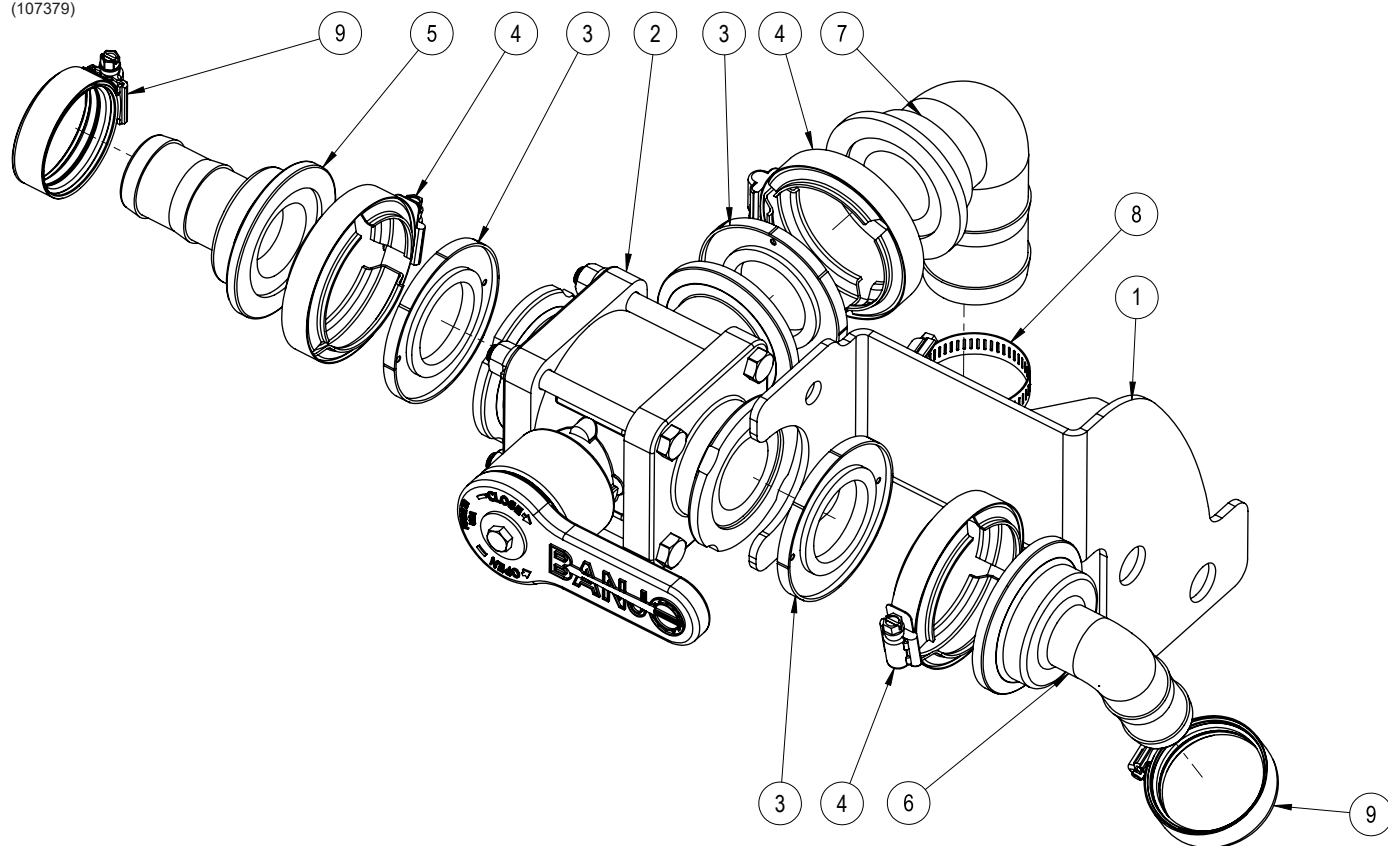
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10986901	1	Orifice Storage Box Body
2	G10987001	1	Orifice Storage Holed Plate
3	G10986801	1	Orifice Storage Box Holder
4	GD23773	2	Spacer
5	G10986701	1	Orifice Storage Box Cover Plate
6	GA12641	2	Cover Latch
7	G10638	2	Bolt 1/4-20X2
8	G10621	2	Serrated Flange Nut, 1/4"-20
9	G11385	2	Flat Washer, 1/4" SAE
10	G11065	4	Phillips Pan Head Machine Screw, No. 8-32 x 5/8", Stainless Steel
11	G11241	4	Serrated Flange Nut
12	G10531	2	Wing Nut W/Nylon Insert, 1/4"-20
13	G10820001	-	Orifice Twist Pack w/ Decal, 0.015
	G10820002		Orifice Twist Pack w/ Decal, 0.020
	G10820003		Orifice Twist Pack w/ Decal, 0.025
	G10820004		Orifice Twist Pack w/ Decal, 0.028
	G10820005		Orifice Twist Pack w/ Decal, 0.032
	G10820006		Orifice Twist Pack w/ Decal, 0.037
	G10820007		Orifice Twist Pack w/ Decal, 0.041
	G10820008		Orifice Twist Pack w/ Decal, 0.048
	G10820009		Orifice Twist Pack w/ Decal, 0.055
	G10820010		Orifice Twist Pack w/ Decal, 0.065
	G10820011		Orifice Twist Pack w/ Decal, 0.072
	G10820012		Orifice Twist Pack w/ Decal, 0.078
	G10820013		Orifice Twist Pack w/ Decal, 0.086
14	G10022	2	Hex Head Cap Screw, 1/4"-20 x 1/2"
15	G10621	4	Serrated Flange Nut, 1/4"-20
16	G10310	2	Carriage Bolt, 1/4"-20 x 3/4", Grade 2
17	G10987201	1	Plate For Filter Storage
18	G10991001	6	Twist Pack, 16mm
19	GD27290	-	Strainer Nozzle, 50 Mesh

3-Way Valve Unit Assembly (Blue Drive Liquid Fertilizer)

M0311-02

Model 3505

(107379)



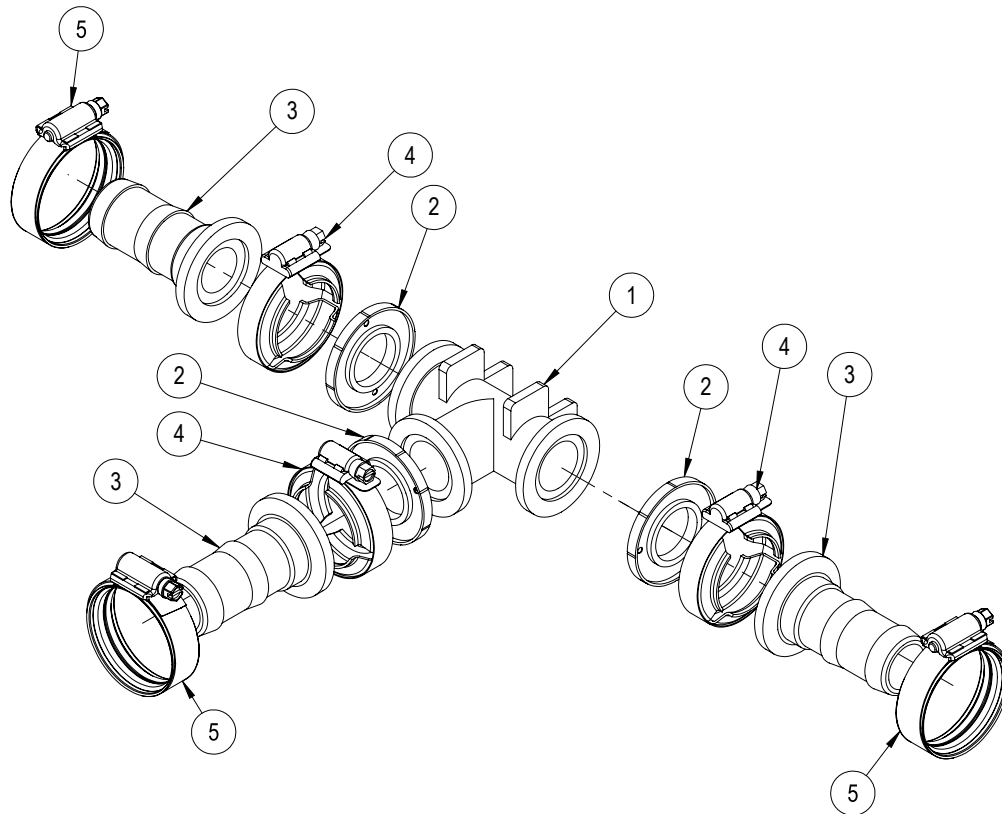
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10681501	1	Valve Holder
2	G10612801	1	2" Flanged 3-Way Ball Valve Assy
3	G10406701	3	Gasket 2" Skirted Flanged
4	G11468	3	Flange Clamp SS 75 Series
5	G10464101	1	Adapter, 2" Flange x 1-1/2" Hose Barb
6	G10473901	1	Adapter, 2" Flange x 1-1/4" Hose Barb
7	G11457	1	Elbow, 2" Flange x 2" Hose Barb, 90°
8	G10676	1	Hose Clamp, No. 36, Stainless Steel
9	G10829101	2	Hose Clamp, 1-5/8" - 2-1/8"

Front and Rear Tee Assembly (Blue Drive Liquid Fertilizer)

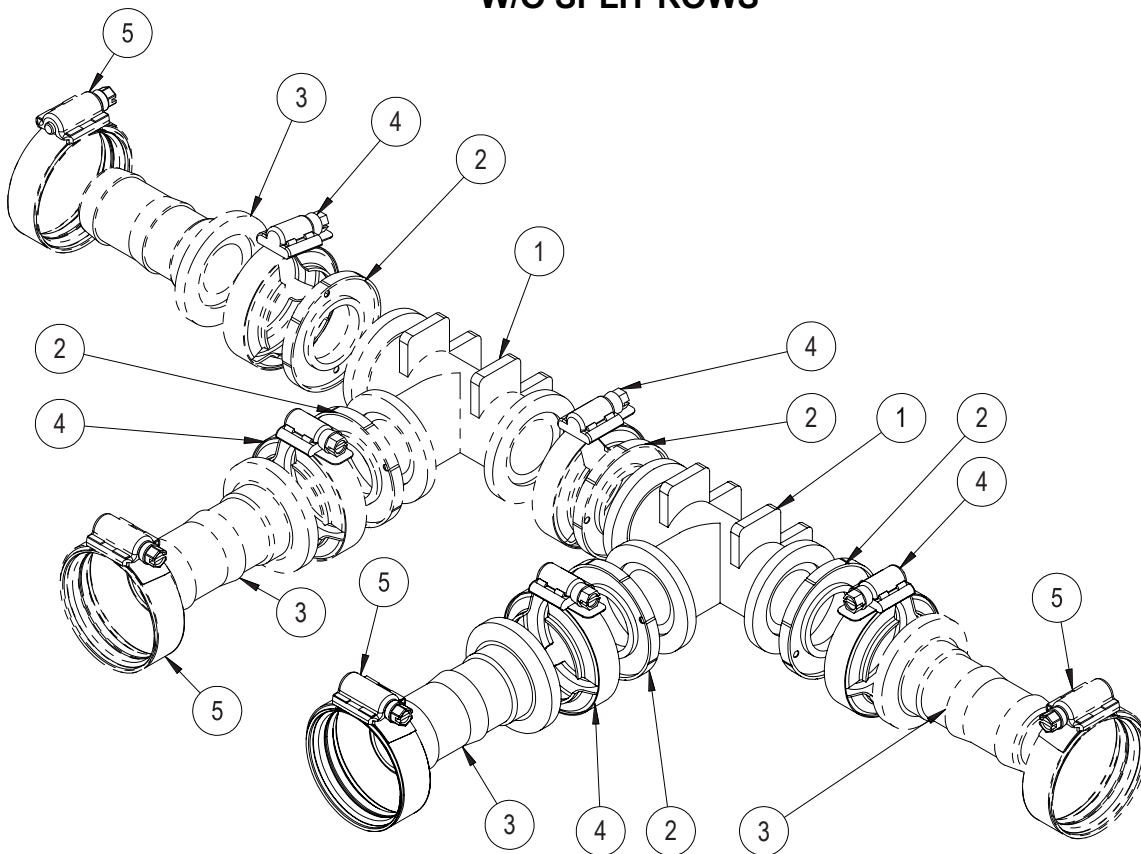
Model 3505

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(106959)



W/O SPLIT ROWS



WITH SPLIT ROWS

Front and Rear Tee Assembly (Blue Drive Liquid Fertilizer)

M0311-02

Model 3505

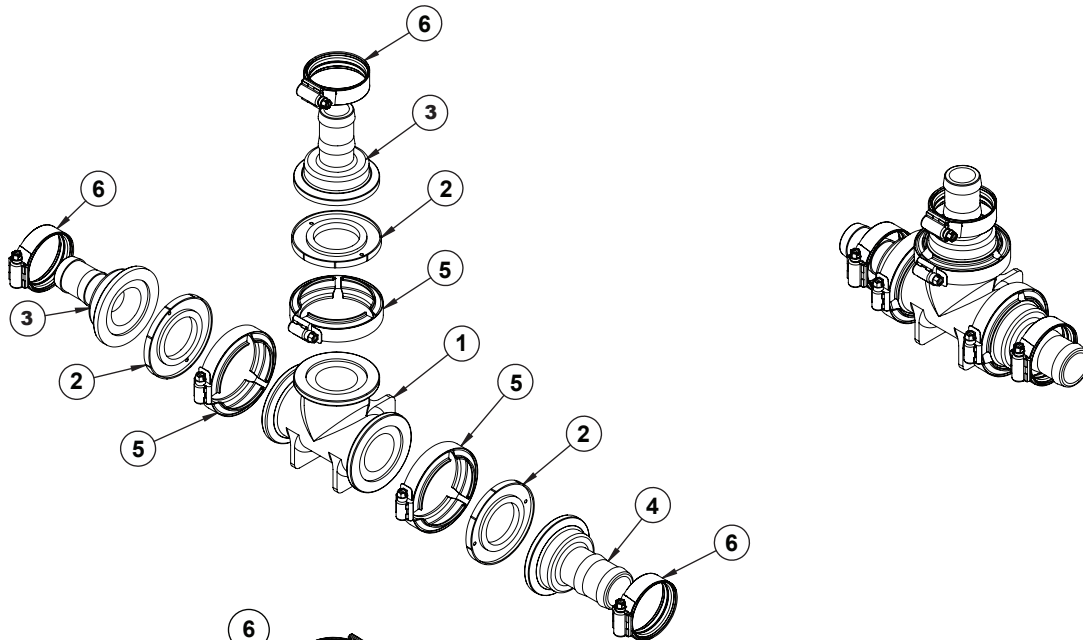
ITEM	PART NO.	QTY. (per Assy)	DESCRIPTION
1	G11583	-	1" Flanged Manifold Tee
2	G10406801	-	Gasket, 1" Skirted Flange
3	G11458	-	Adapter 1" Flange x 1 1/4" Hose Barb
4	G11467	-	Flange Clamp SS 50 Series
5	G10829101	-	Hose Clamp, No. 24

Liquid Fertilizer Assembly Tees (Blue Drive, Bulk Fill)

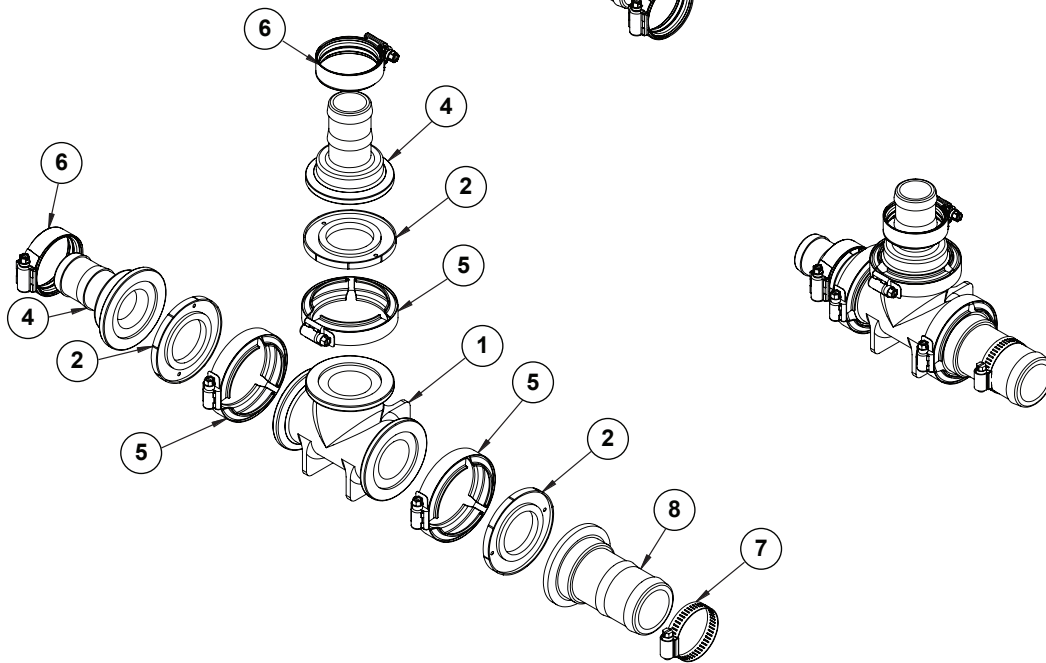
Model 3505

M0311-02

(107028)

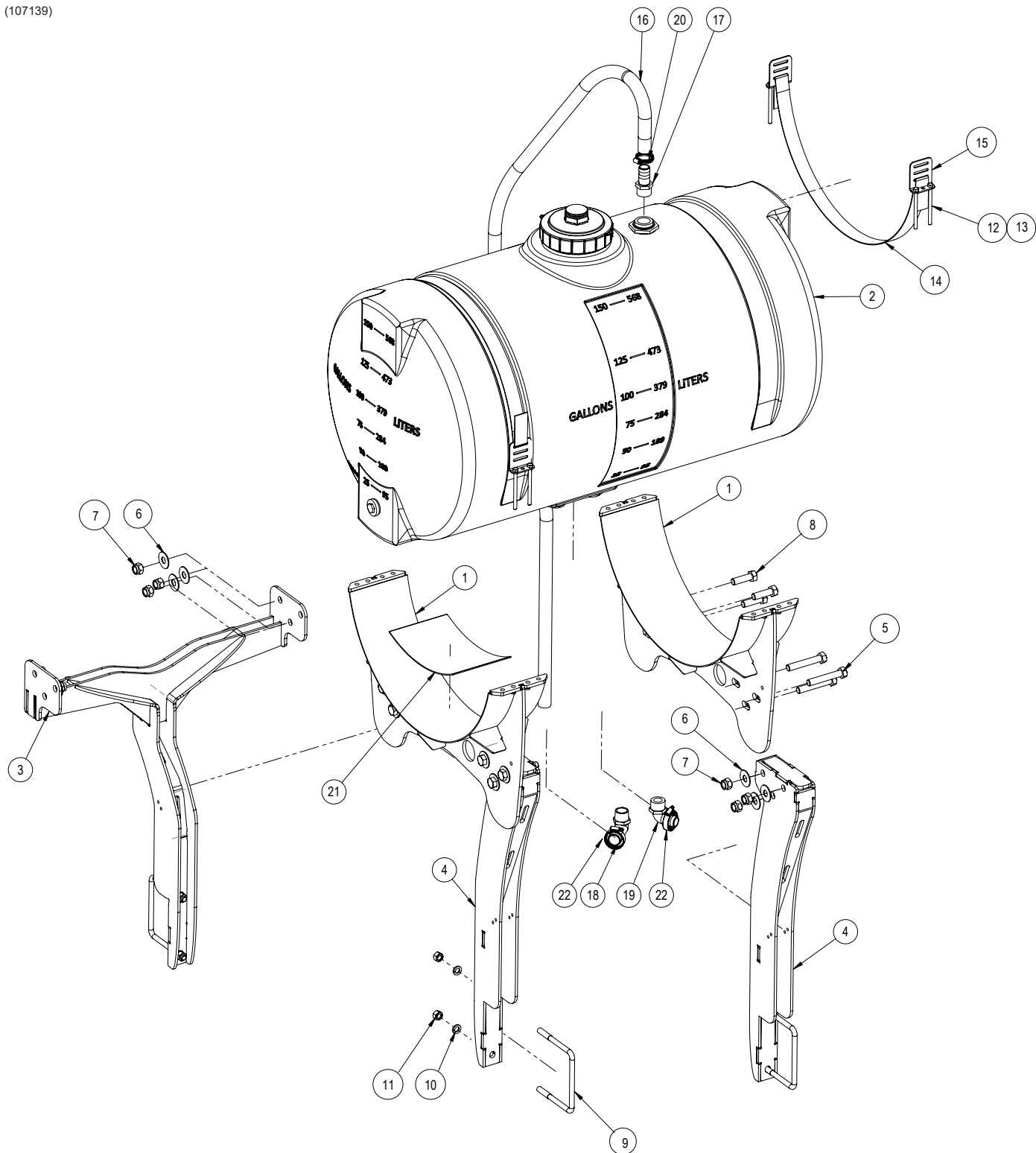


(107029)



ITEM	PART NO.	QTY. (per Assy)	DESCRIPTION
1	G11508	-	Tee, 2" Port Flange
2	G10406701	-	Gasket, 2" Skirted Flange
3	G11494	-	Adapter, 2" Flange x 1½" Hose Barb
4	G10464101	-	Adapter, 2" Flange x 1½" Hose Barb
5	G11468	-	Flange Clamp SS 75 Series
6	G10829101	-	Hose Clamp, 1-5/8" - 2-1/8"
7	G10676	-	Hose Clamp, No. 36, Stainless Steel
8	G11497	-	Adapter, 2" Flange x 2" Hose Barb

(107139)



Liquid Fertilizer 150 Gal. Tank Assembly (Blue Drive)

Model 3505

M0311-02

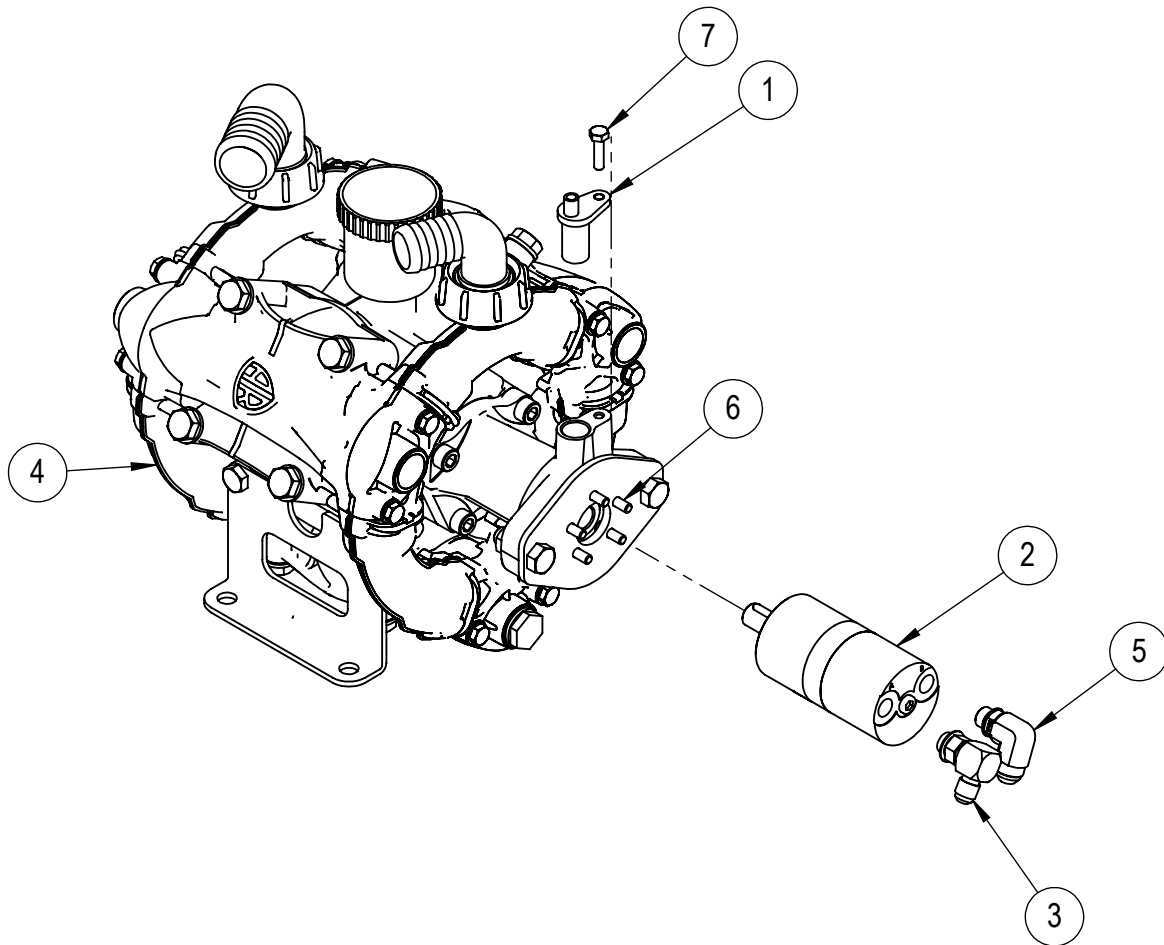
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10715801	2	Tank Stand
2	G11009001	1	150 Gal. Fertilizer Tank
3	G10673701	1	Rear Tank Support
4	G10673201	2	Liquid Fertilizer Tank Support
5	G10029	6	Hex Head Cap Screw, 3/4"-10 x 4 1/2"
6	G10218	24	Washer, 3/4" USS
7	G10112	12	Lock Nut, 3/4"-10
8	G10027	6	Hex Head Cap Screw, 3/4"-10 x 2 1/2"
9	GD1113	3	U-Bolt, 5" x 7" x 5/8"-11
10	G10230	6	Lock Washer, 5/8"
11	G10104	6	Hex Nut, 5/8"-11
12	G10485	8	Hex Head Cap Screw, 3/8"-16 x 5"
13	G10901	8	Lock Nut, 3/8"-16
14	GD11124	2	Strap, 84"
15	GD11123	4	Anchor
16	G4602-03	1	Black Helix Hose, 1 1/4" x 100'
17	G10626	1	Adapter, 1 1/4" NPT To Barb
18	G10444801	1	Elbow, 90°, 1 1/4" x 1-1/2" Hose Barb
19	G10629	1	Elbow, 90°, 1 1/4" NPT To Barb
20	G10674	1	Hose Clamp, No. 24
21	GD1862	1	Tank Pad, 8" x 14' Roll
22	G10829101	2	Hose Clamp, 1-5/8" - 2-1/8"

BV Liquid Pump and Motor

M0311-02

Model 3505

(106025)



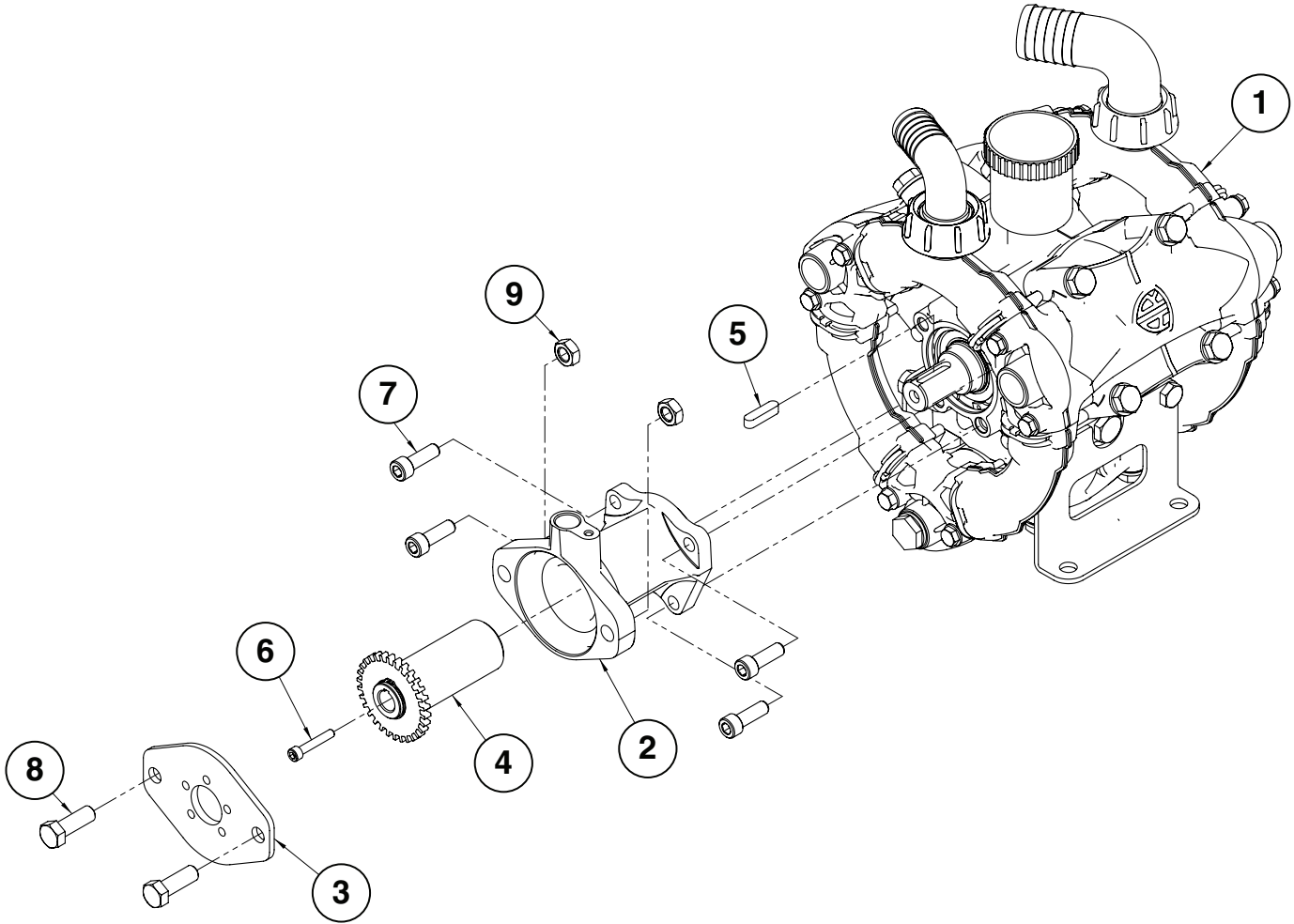
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10991401	1	Speed Sensor Assembly
2	G10556101	1	Eaton Hydraulic Motor
3	G6801-06	1	Elbow W/O-Ring, 90°, 9/16"-18 Male JIC To O-Ring
4	G10827701	1	Diaphragm Pump Assembly
5	G6801-08-06	1	Elbow W/O-Ring, 90°, 3/4"-16 Male JIC To 9/16"-18 O-Ring
6	G10532101	5	Hex Socket Head Cap Screw, 1/4"-28 x 3/4"
7	G10064	1	Hex Head Cap Screw, 1/4"-20 x 1"

Diaphragm Pump, AR120

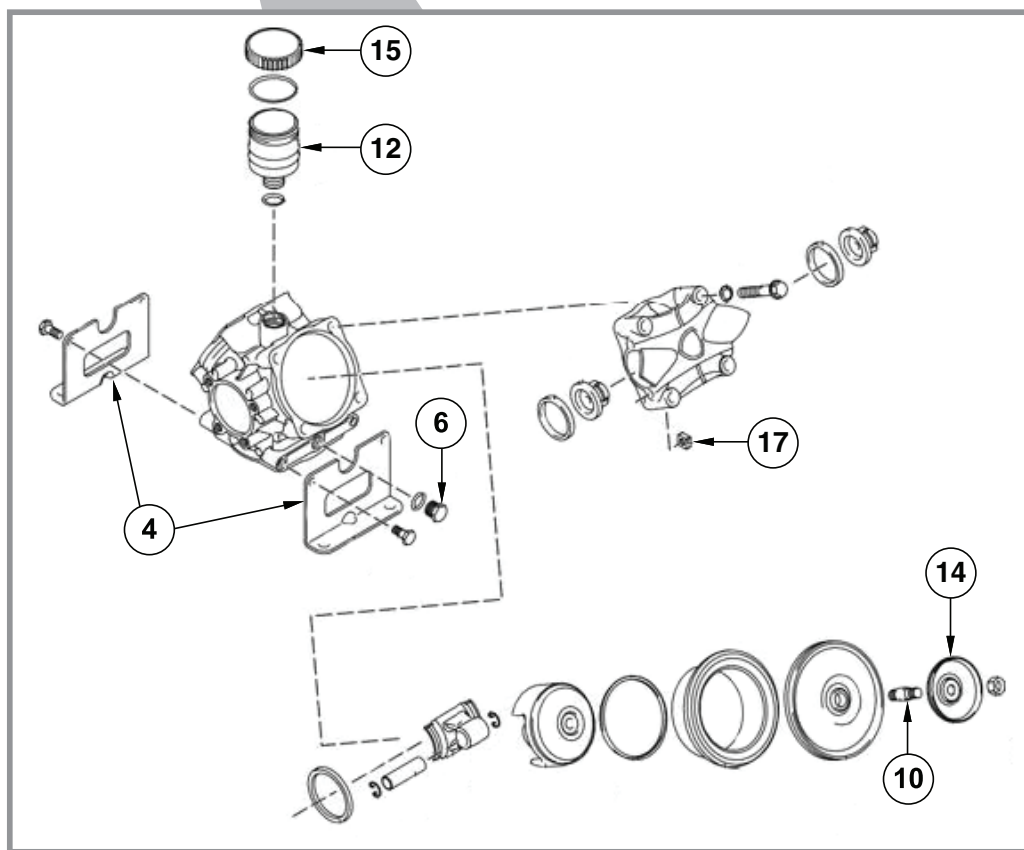
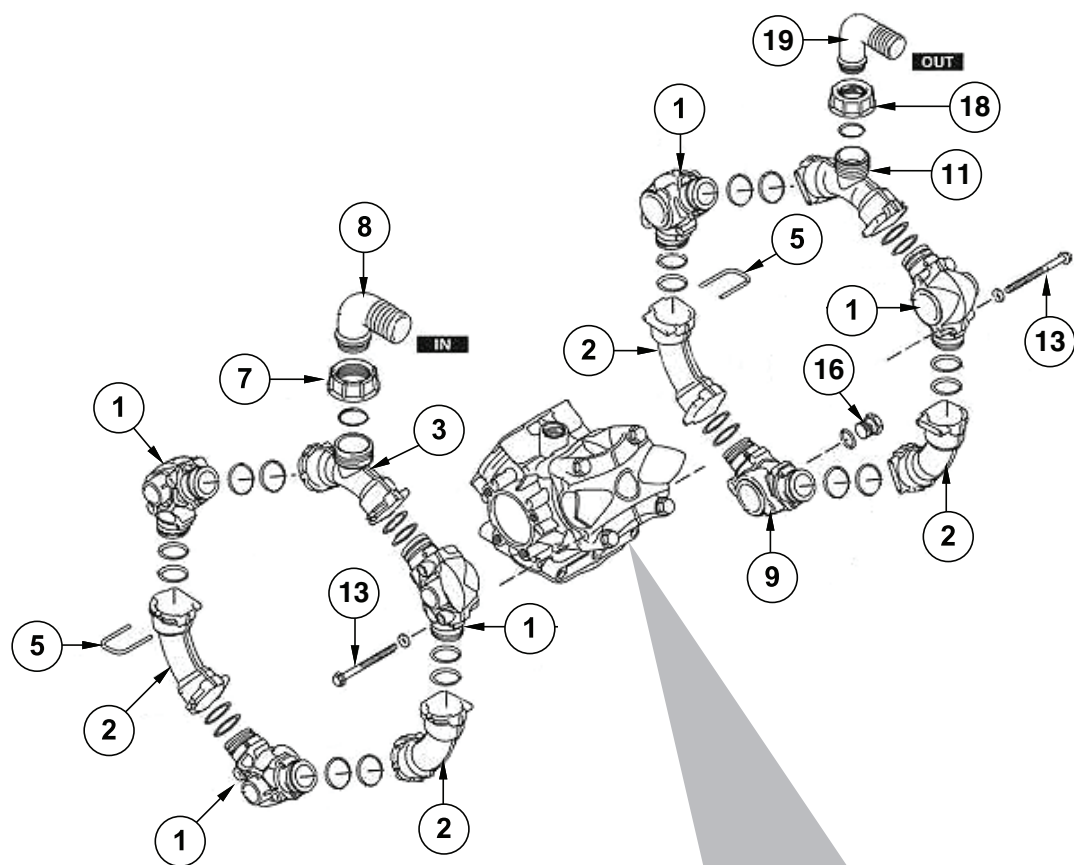
Model 3505

M0311-02

(108277)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10399301	1	Diaphragm Pump
2	G10611001	1	Hydraulic Motor Flange
3	G10814401	1	Hydraulic Motor Mount
4	G10556201	1	Coupler w/ Hall Effect Wheel
5	G10514101	1	Oval Shaft Coupler Key
6	G12222-35	1	Hex Socket Head Cap Screw, M6-1.0 x 35MM
7	G10631801	4	Hex Socket Head Cap Screw, M10-1.50 x 30MM
8	G12002-35	2	Hex Head Cap Screw, M12-1.75 x 35
9	G12068	2	Hex Nylon Locknut, M12-1.75



Diaphragm Pump Assembly

Model 3505

M0311-02

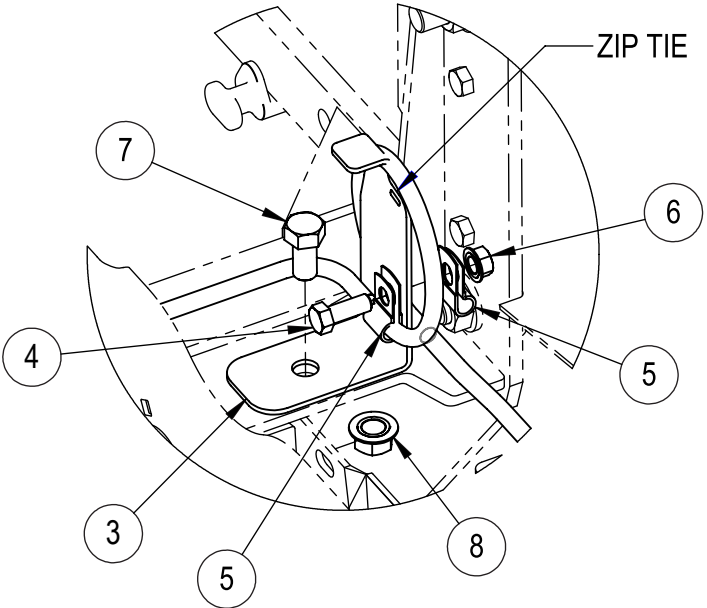
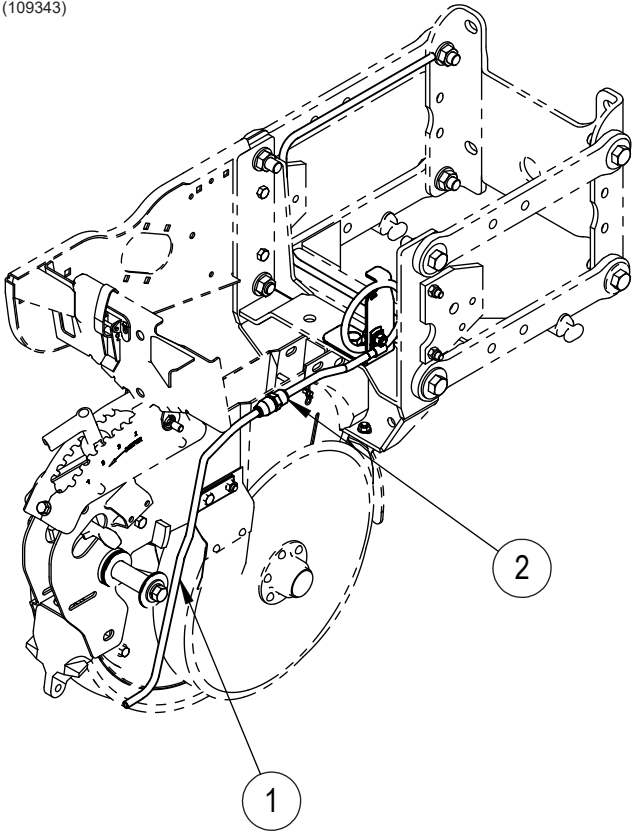
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10976301	5	Manifold
2	G10976401	4	Manifold
3	G10976501	1	Manifold
4	G10975601	2	Foot Mount
5	G10976601	12	Fork Clip
6	G10975701	1	Oil Drain Plug
7	G10976701	1	Ring Nut
8	G10976801	1	Hose Barb, 11/2"
9	G10976901	1	Manifold
10	G10976101	3	Hub Pin
11	G10977001	1	Manifold
12	G10975801	1	Tank Sight Glass
13	G10977101	12	Manifold Mount Bolt
14	G10976201	3	Plate
15	G10975901	1	Sight Glass Cap
16	G10977201	1	Drain Plug, Fertilizer
17	G10976001	12	Square Nut, M8
18	G10977301	1	Ring Nut
19	G10977401	1	Hose Barb, 11/4"
A	G10399301	1	Diaphragm Pump Assembly
B	G10513001	1	AR Pump Winterizer, No. 64511
C	G10513101	2	AR Pump Oil, No. 6453D
D	G10434301	1	AR120 Pump Service Kit
E	G10764001	1	AR120 Pump LFP O-Ring Service Kit
F	G10764101	1	AR120 Pump LFP Valve Service Kit

Liquid Fertilizer Drop Tube Assembly

M0311-02

Model 3505

(109343)



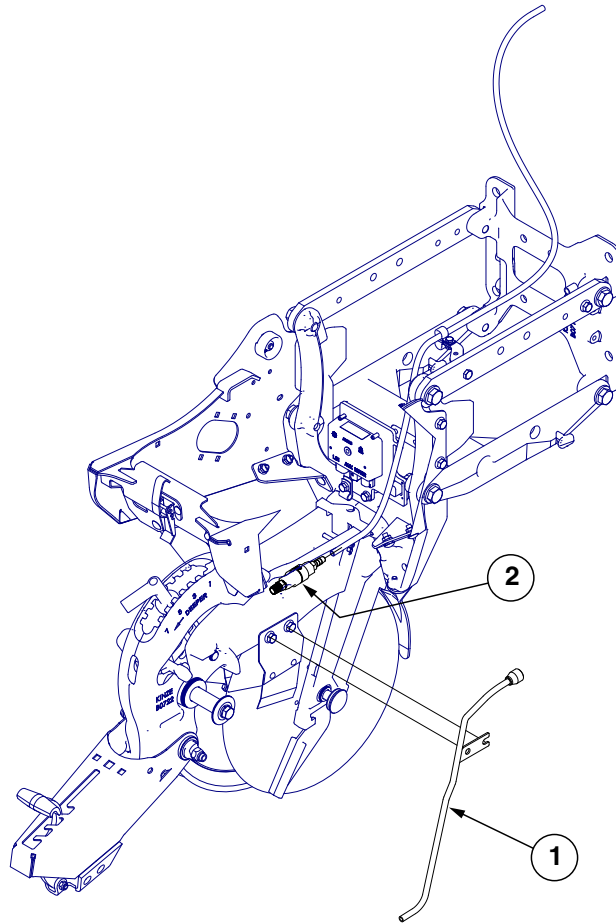
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA18822	1	Liquid Fertilizer Tube
2	GD29625	1	Connector, 1/4" NPT x 3/8"
3	G10948201	1	Hose Loop Bracket
4	G10001	1	Hex Head Cap Screw, 3/8"-16 x 1
5	GD6291	2	Insulated Clamp, 3/8"
6	G10622	1	Serrated Flange Nut, 3/8"-16
7	G10014	1	Hex Head Cap Screw, 1/2"-13 x 1"
8	G10071	1	Serrated Flange Nut, 1/2"-13

Liquid Fertilizer Tube In Furrow

Model 3505

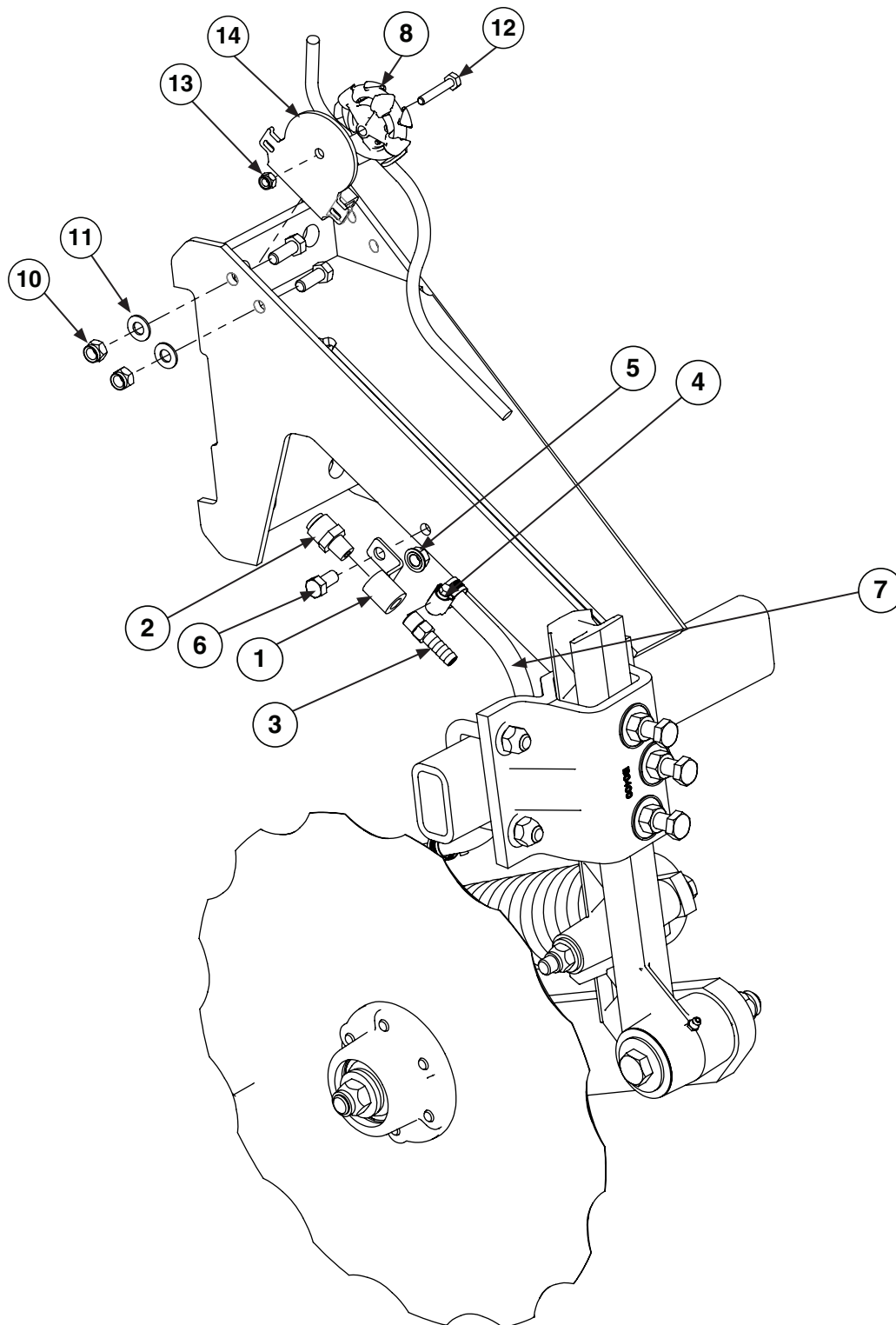
M0311-02

(A18821a)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA18822	-	Liquid Fertilizer Tube
2	GA20583	-	Check Valve Assembly

(107138)



Hose Adapter Assembly

Model 3505

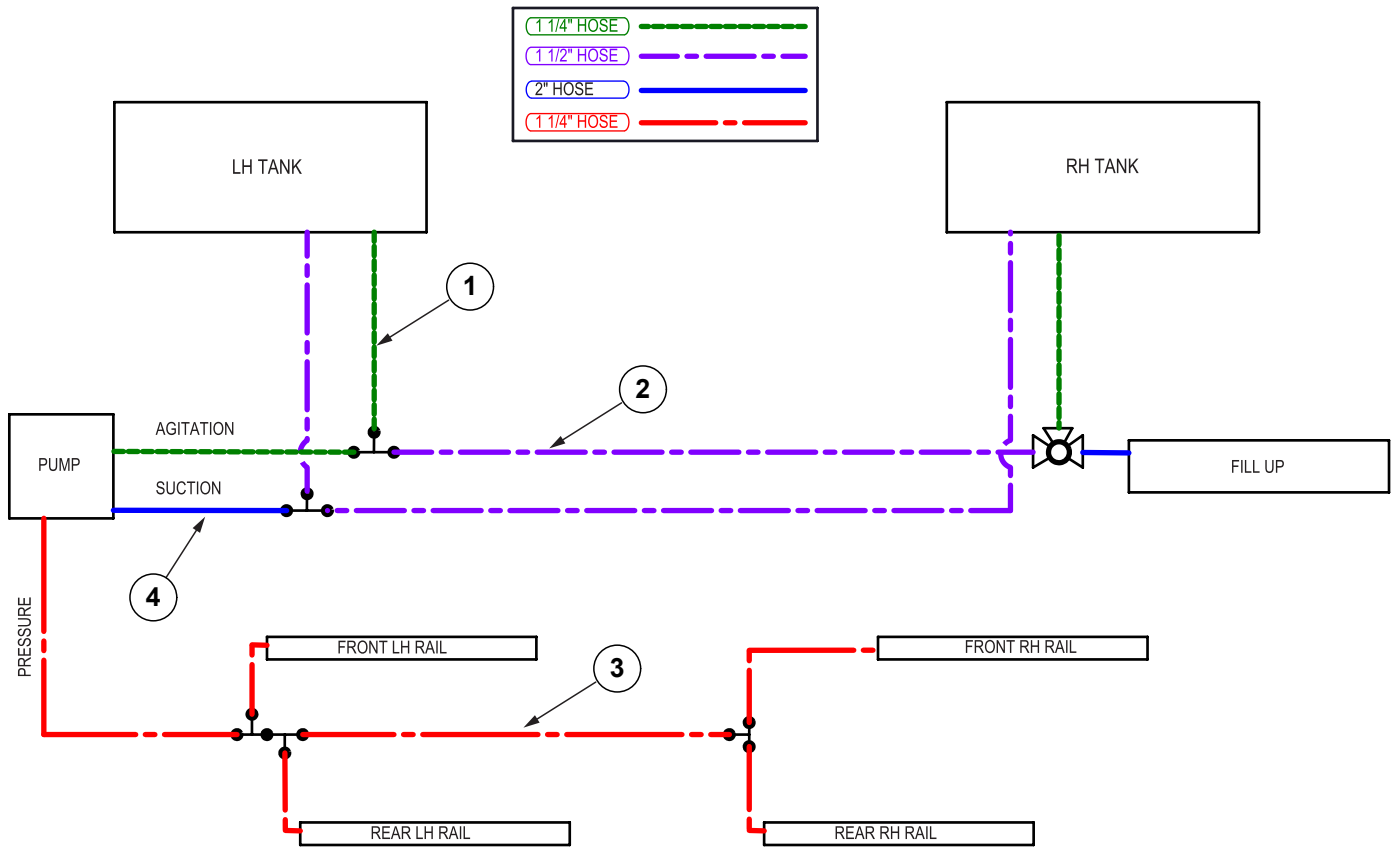
M0311-02

ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	GA18576	1	Fertilizer Tube Adapter
2	GD29625	1	Connector, 1/4" NPT x 3/8"
3	GD11700	1	Adapter, 1/4" NPT To 3/8" Barb
4	G10681	2	Hose Clamp, No. 6
5	G10622	1	Serrated Flange Nut, 3/8"-16
6	G10002	1	Hex Head Cap Screw, 3/8"-16 x 3/4"
7	G4301-11	1	Clear Plastic Tube, 3/8" x 16
8	G10944501	1	Fertilizer Air Lock Loop Holder
9	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
10	G10108	2	Lock Nut, 3/8"-16
11	G10203	2	Washer, 3/8" SAE
12	G10021	1	Hex Head Cap Screw, 1/4"-20 x 1 1/2"
13	G10110	1	Lock Nut, 1/4"-20, Grade B
14	G10992701	1	Loop Holder Bracket

Hoses for BV-controlled Liquid Fertilizer

M0311-02

Model 3505



ITEM	PART NO.	QTY. (per Assy)	DESCRIPTION
1	G10616801	-	HOSE EPDM/POLYETHYLENE HELIX 1.8 OD X 1-1/4 ID X 1200 IN
2	G10616701	-	HOSE EPDM/POLYETHYLENE HELIX 2.1 OD X 1-1/2 ID X 1200 IN
3	G10616501	-	HOSE EPDM/WIRE HELIX 1.61 OD X 1-1/4 ID X 1200 IN
4	G10616601	-	HOSE EPDM/POLYETHYLENE HELIX 2.6 OD X 2 ID X 1200 IN

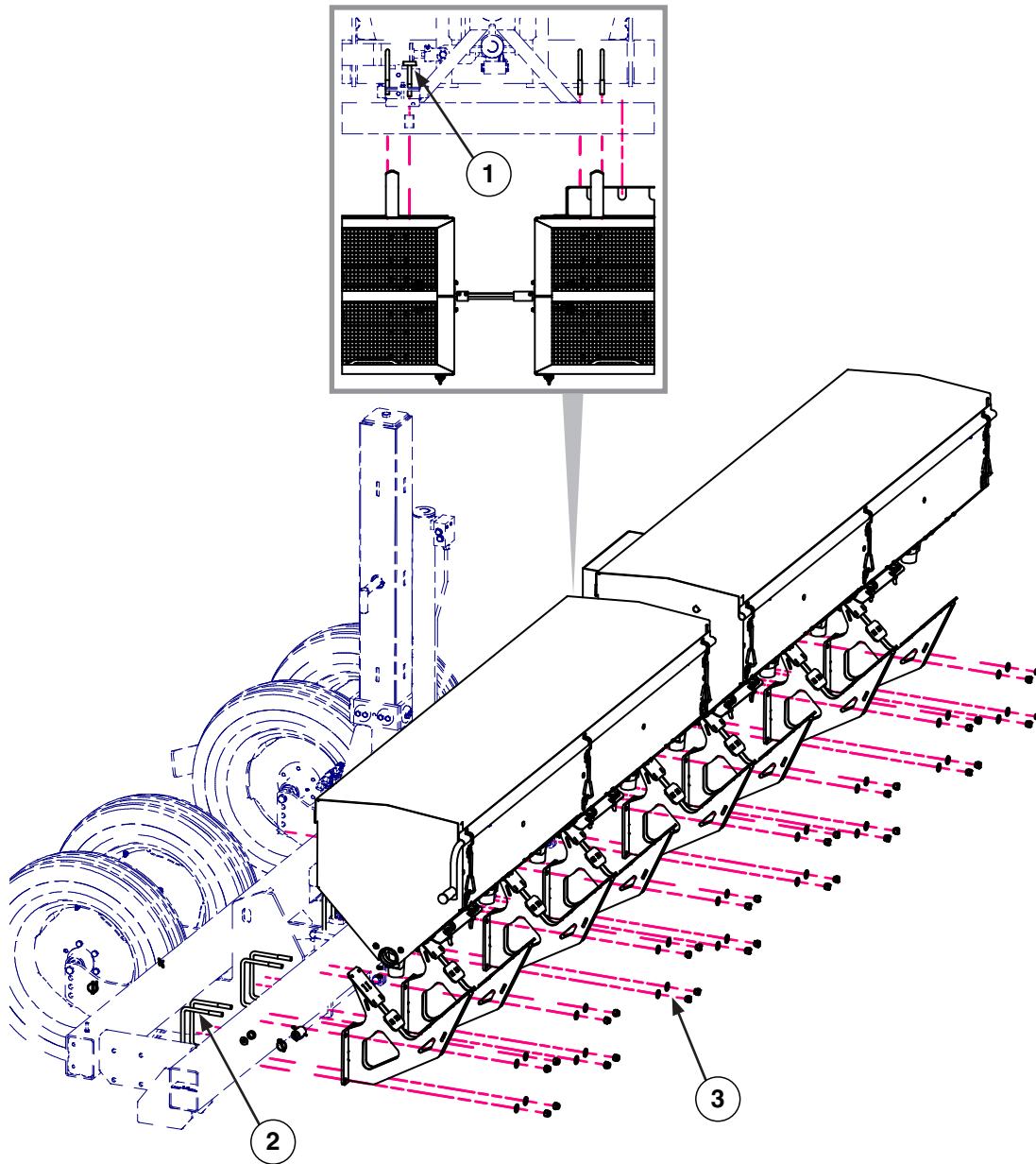
*Fertilizer hoses sold in bulk only.

Dry Fertilizer Tank Mounts

Model 3505

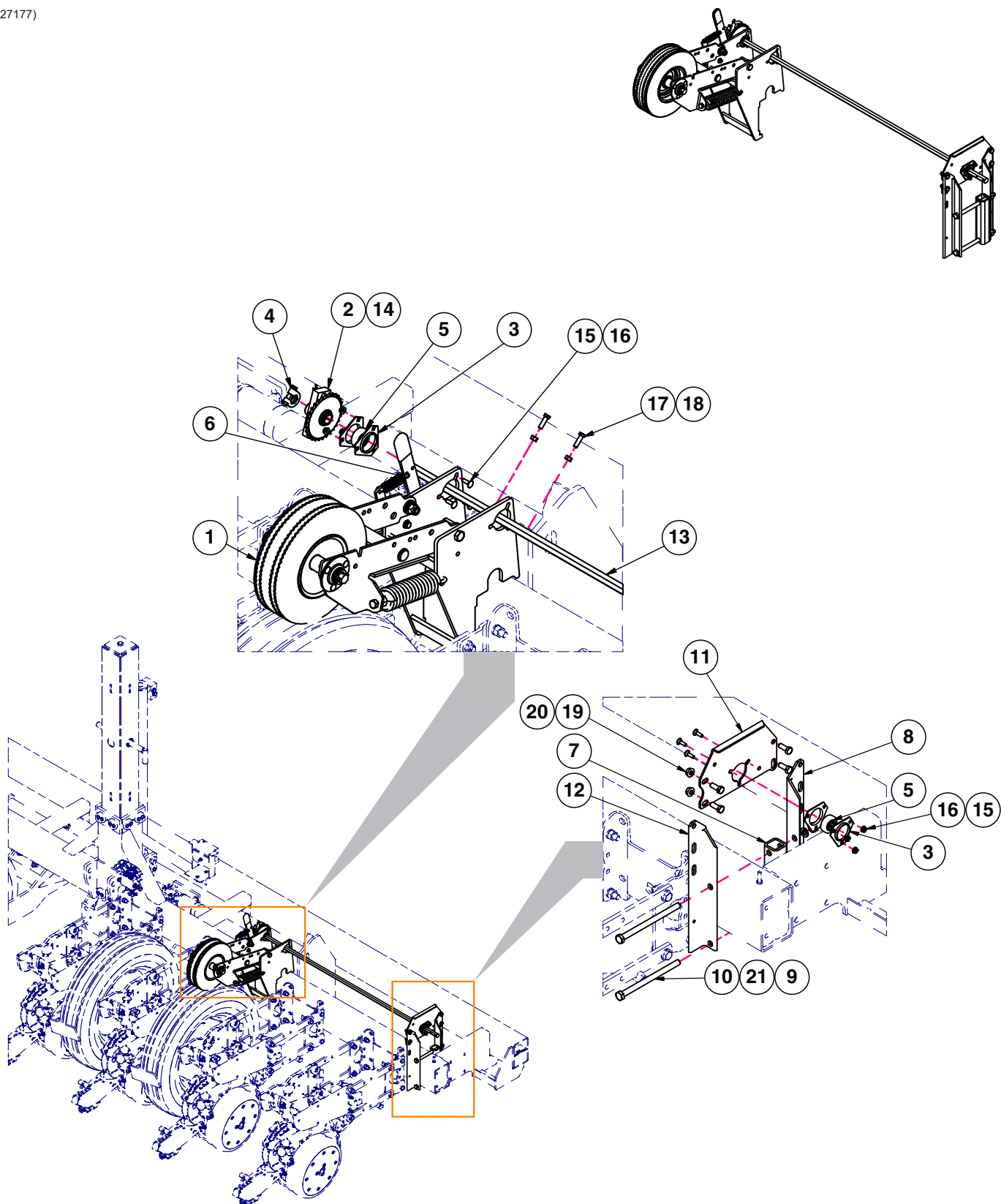
M0311-02

(A25750)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA13587	2	T-Bolt, 5/8"-11 x 5"
2	GD1113	15	U-Bolt, 4" x 7" x 1/2"-13
3	G11391	32	Flat Washer, 5/8" SAE
	G10107	32	Lock Nut, 5/8"-11

(A27177)



Ground Contact Drive Add-On For Fertilizer

Model 3505

M0311-02

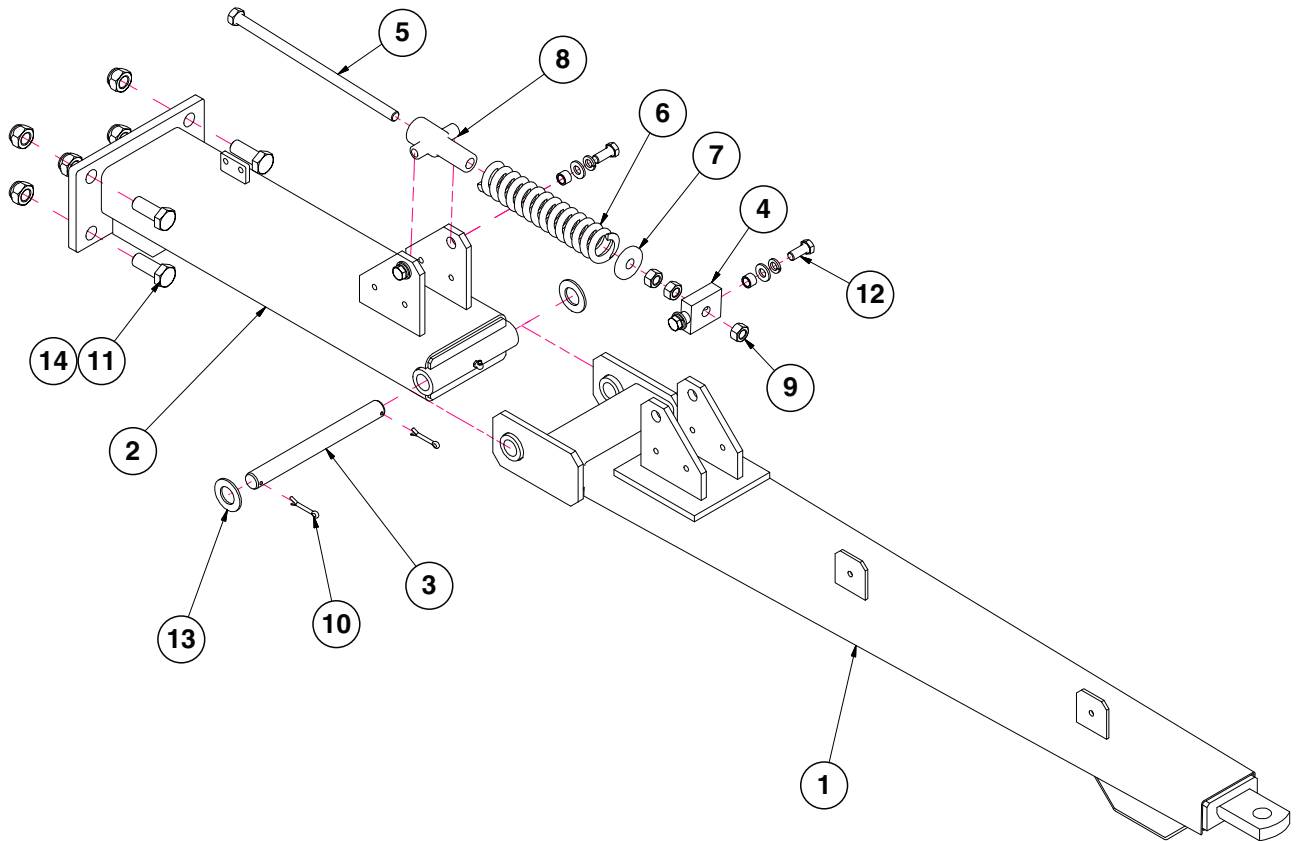
ITEM	PART NO.	QTY.	DESCRIPTION
1	---	-	Contact Drive Cross Reference
2	GA5164	1	Ratchet/Sprocket Assembly
3	G3400-01	4	Flangette
4	GA11331	1	Hex Lock Clamp Assembly
5	G2100-03	2	Bearing, 7/8" Hex Bore, Spherical
6	---	-	Idler Arm Cross Reference
7	GD9047	1	Spacer
8	GD30624	1	Anlge Support
9	G10230	2	Lock Washer, 5/8"
10	G10104	2	Hex Nut, 5/8"-11
11	GD36878	1	Reverser Plate
12	GD36879	1	Support Angle, L.H.
13	G10020001	1	Drive Shaft, 7/8" x 64"
14	G3310-116	1	Chain, No. 40, 116 Pitch Including Connector Link
15	G10303	6	Carriage Bolt, 5/16"-18 x 1"
16	G10620	6	Serrated Flange Nut, 5/16"-18
17	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
18	G10101	2	Hex Nut, 3/8"-16
19	G10037	4	Hex Head Cap Screw, 1/2"-13 x 1 1/4"
20	G10071	4	Serrated Flange Nut, 1/2"-13
21	G10152	2	Hex Head Cap Screw, 5/8"-11 x 9"

Rear Trailer Hitch

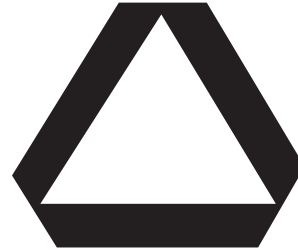
M0311-02

Model 3505

(A27126)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA6961	1	Hitch
2	GA27127	1	Hitch
3	GD3547	1	Pin, 1 1/4" x 12 3/4"
4	GD7908	1	Tap Block
5	GD7907	1	Special Bolt
6	GD2115	1	Spring
7	GD34923	1	Spring Seat
8	GB0206	1	Rod Guide
9	G10105	3	Hex Nut, 3/4"-10
10	G10460	2	Cotter Pin, 1/4" x 2"
11	G10826	5	Hex Head Cap Screw, 1"-8 x 2 1/2"
12	G10007	4	Hex Head Cap Screw, 5/8"-11 x 1 1/2"
	G10230	4	Lock Washer, 5/8"
	G11391	4	Flat Washer, 5/8" SAE
	GB0218	4	Bushing, 21/32" I.D. x 7/8" O.D. x 19/32" Long
13	G11396	2	Flat Washer, 1 1/4" SAE
14	G10396	5	Lock Nut, 1"-8



Part No.: GD2199
Description: SMV Sign
Quantity: 1



Part No.: G10367401
Description: Decal, Crush Warning (2021 Production and on)
Quantity: 1 (Per Contact Wheel Assembly)

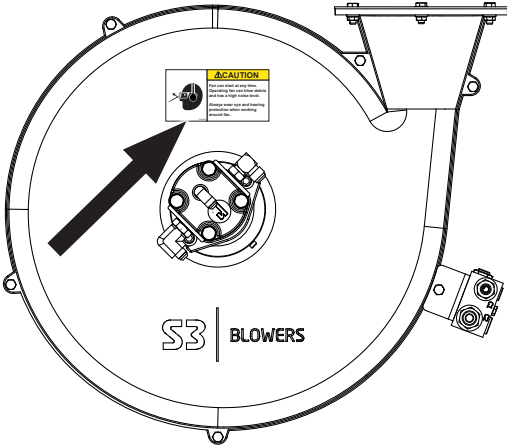
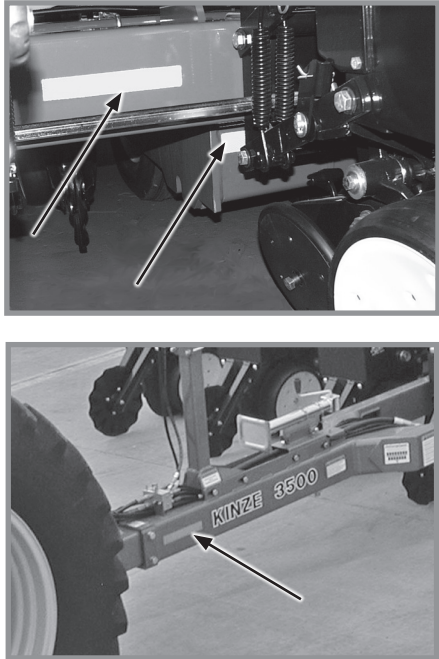
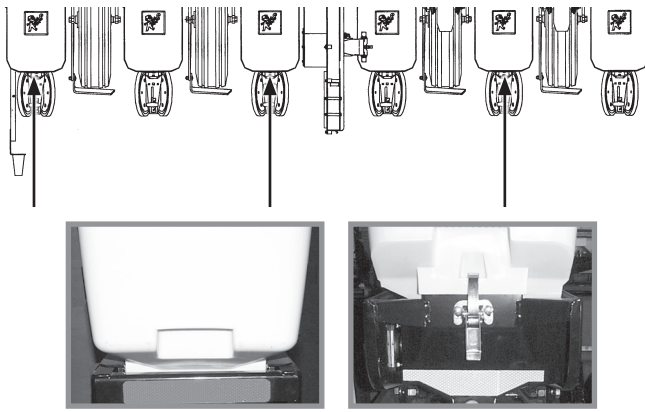
G10366901

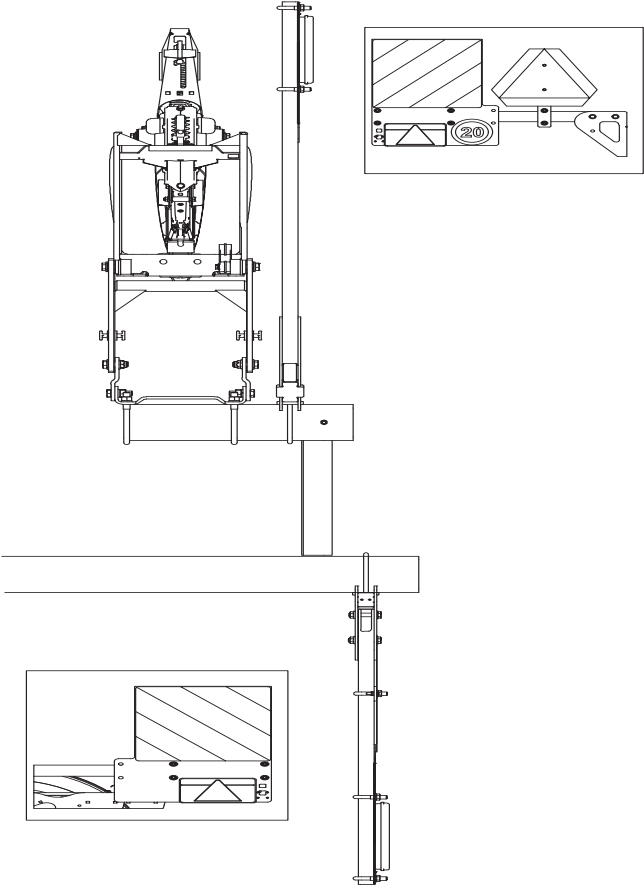
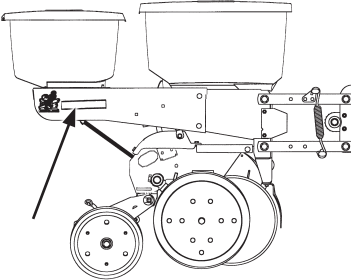


Part No.: G10366901
Description: Decal, Warning (2021 Production and on)
Quantity: 1 (Per Row Marker Cylinder - Conventional)
4 (2 Per Row Marker)



Part No.: G10367401
Description: Decal, Crush Warning (2021 Production and on)
Quantity: 1 (Per Contact Wheel Assembly)

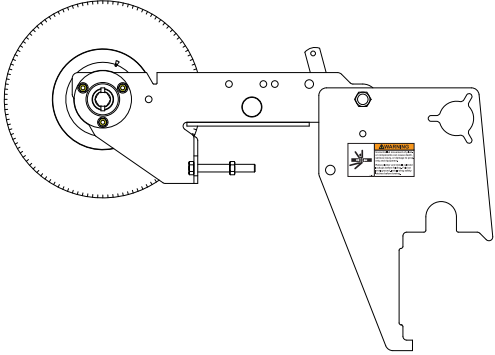
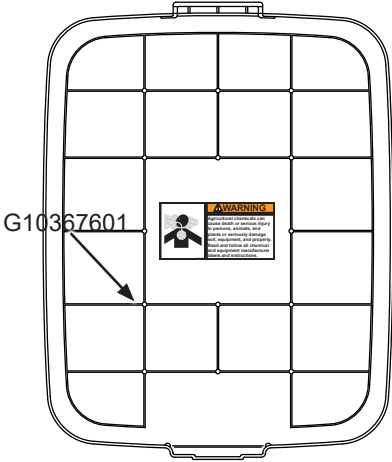
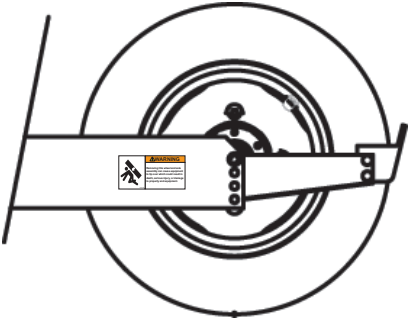
	 Part No.: G10367101 Description: Decal, Caution Quantity: 4 (One On Each Side Of Fan)
	 Part No.: G7100-558 Description: Reflective Decal, Amber, 2" x 9", Rectangular Quantity: 7 On 6 Row/Qty. 8 On 8 Row (Located on the front planter toolbar in front of every other row unit beginning on the L.H. side of the planter and forward-facing on the outer ends of The transport axle. One located on each side of hitch.)
	 Part No.: G7100-558 Description: Reflective Decal, Amber, 2" x 9", Rectangular Quantity: 2 (Per Row Unit - Located On The Granular Chemical Hopper Panel Extension Of Every Other Row Unit Beginning On The L.H. Side Of The Planter - Side-Facing In Transport Position) Part No.: G7100-262 Description: Reflective Decal, Amber, 1 1/4" x 9", Die-Cut Quantity: 1 (Qty. 1 Per Row Unit - Located On The Hopper Support Of Every Other Row Unit Beginning On The L.H. Side Of The Planter - Side-Facing In Transport Position)

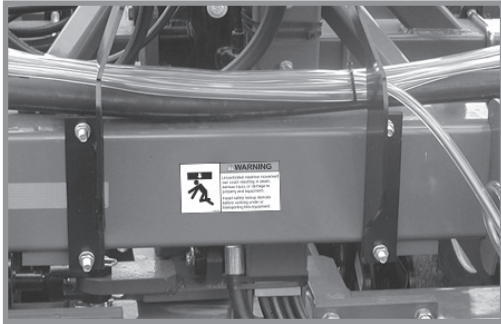
	Part No.: G7100-557 Description: Reflective Decal, Red, 2" x 9" Rectangular Quantity: 1 (Per Scraper - Located On Top) Part No.: G7100-559 Description: Reflective Decal, Orange, 2" x 9" Rectangular Quantity: 1 (Per Scraper - Located On Bottom)
	Part No.: G7100-578 Description: Decal, Speed limit 20 km/h Quantity: 1 (Located On The Light Bracket On the L.H. Side Of The Planter - Rear-Facing In Transport Position) Part No.: G7100-557 Description: Reflective Decal, Quantity: 1 (Located On The Light Bracket On the L.H. Side Of The Planter - Rear-Facing In Transport Position) 1 (Located On The Outer Row Unit On the L.H. Side Of The Planter - Rear-Facing In Transport Position)
With Granular Chemical Option 	Part No.: G7100-558 Description: Reflective Decal, Amber, 2" x 9", Rectangular Quantity: 1 (Located On The Outer Row Unit On The R.H. Side Of The Planter - Forward- Facing In Transport Position)

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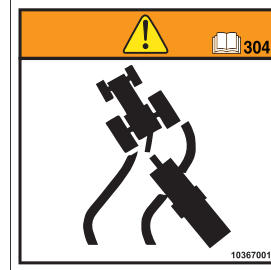
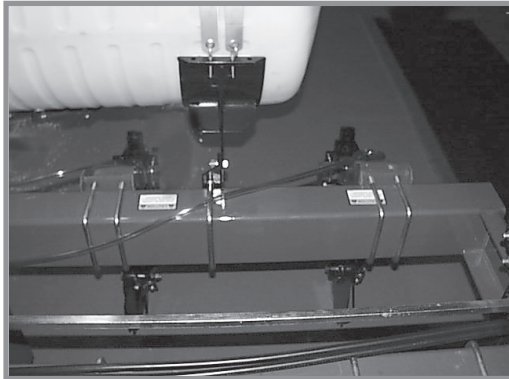
	 Part No.: G10366801 Description: Decal, Warning (2021 Production and on) Quantity: 1 (Per Contact Wheel Assembly)
	 Part No.: G10367601 Description: Decal, Chemical Warning (2021 Production and on) Quantity: 1 (1 Per Row Unit - Located On Underside Of Granular Chemical Hopper Lid)
	 Part No.: G10371901 Description: Decal, Lifting Caution (2021 Production and on) Quantity: 1 (Located On Push Row Unit Lift Lever)
	 Part No.: G10367301 Description: Decal, Warning Quantity: -



Part No.: G10367401

Description: Decal, Crush Warning (2021 Production and on)

Quantity: 1



Part No.: G10367001

Description: Decal, Warning (2021 Production and on)

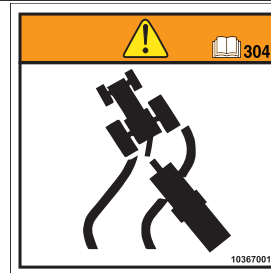
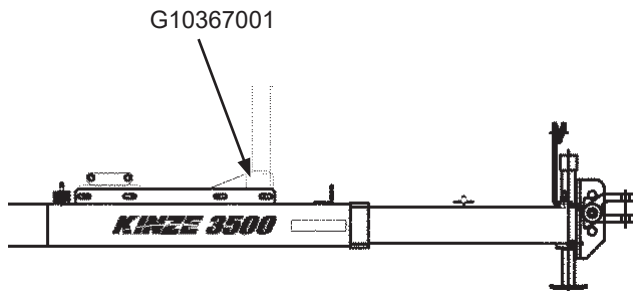
Quantity: 1



Part No.: G10367401

Description: Decal, Crush Warning (2021 Production and on)

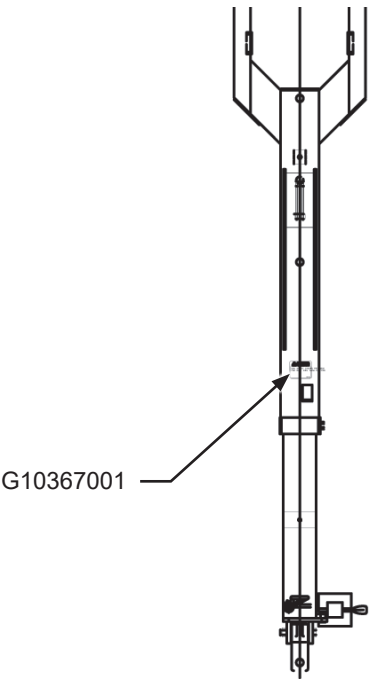
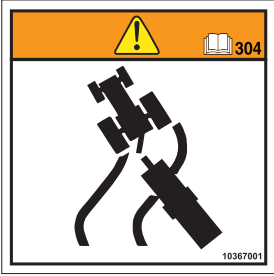
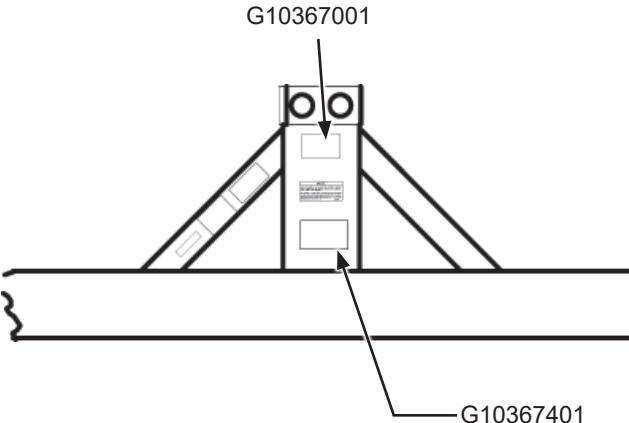
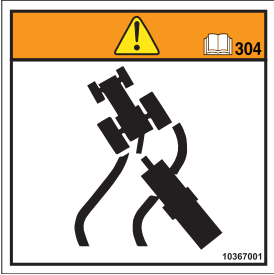
Quantity: 1



Part No.: G10367001

Description: Decal, Warning (2021 Production and on)

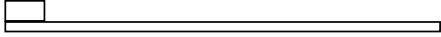
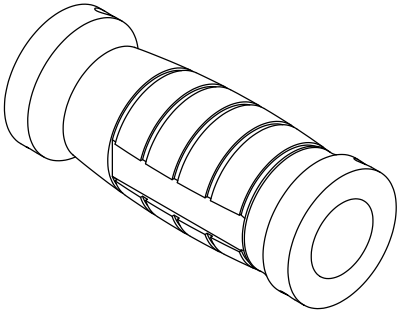
Quantity: 1

 G10367001	 Part No.: G10367001 Description: Decal, Warning (2021 Production and on) Quantity: 1
 G10367001 G10367401	 Part No.: G10367001 Description: Decal, Warning (2021 Production and on) Quantity: 1  Part No.: G10367401 Description: Decal, Crush Warning (2021 Production and on) Quantity: 1

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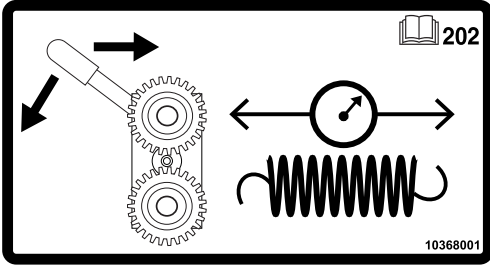
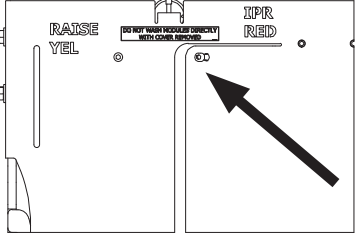
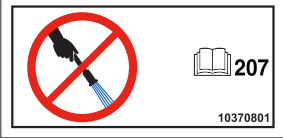
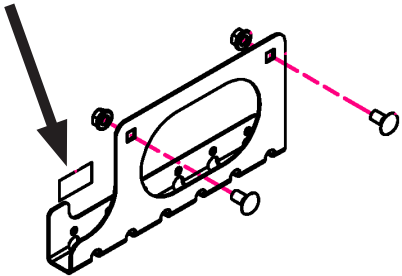
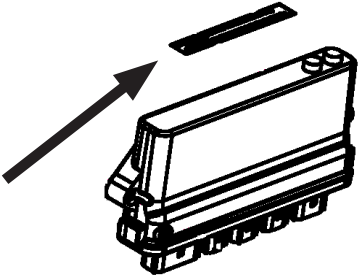
M0311-02

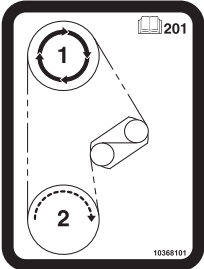
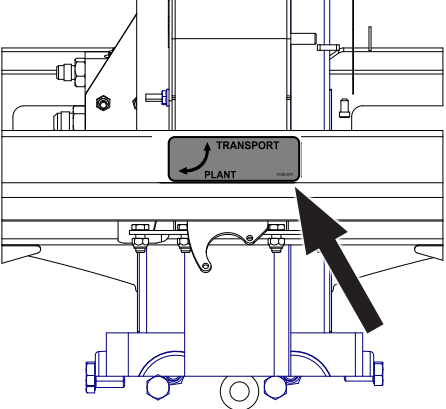
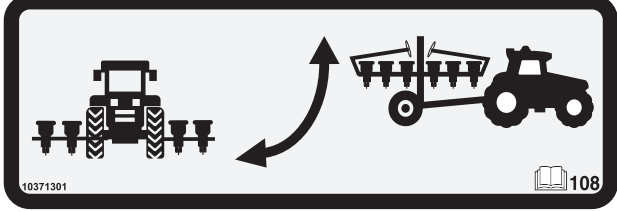
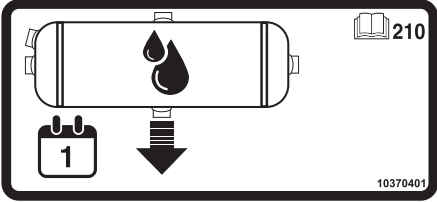
	Part No.: GD2984 Description: Tie Strap, 33"-36" Part No.: GD1512 Description: Tie Strap, 7½" Part No.: GD2117 Description: Tie Strap, 14½" Part No.: GD2984 Description: Tie Strap, 34"
	Part No.: GA26924-01 Description: Hose Label Cover, Red, Extend Part No.: GA26924-02 Description: Hose Label Cover, Red, Retract Part No.: GA26924-03 Description: Hose Label Cover, Blue, Extend Part No.: GA26924-04 Description: Hose Label Cover, Blue, Retract Part No.: GA26924-05 Description: Hose Label Cover, Green, Extend Part No.: GA26924-06 Description: Hose Label Cover, Green, Retract Part No.: GA26924-07 Description: Hose Label Cover, Yellow, Extend Part No.: GA26924-08 Description: Hose Label Cover, Yellow, Retract Part No.: GA26924-09 Description: Hose Label Cover, White, Extend Part No.: GA26924-10 Description: Hose Label Cover, White, Retract Part No.: GA26924-11 Description: Hose Label Cover, Orange, Retract

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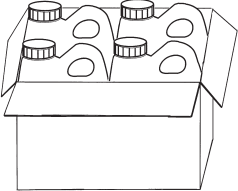
	Part No.: G10368001 Description: Decal, Spring Tension Release Quantity: -
	 Part No.: G10370801 Description: Decal, IPN/IPR Quantity: 1
	ROUTE MOTOR WIRE SLACK AROUND TAB Part No.: G7100-610 Description: Decal, Meter Wire Quantity: 1
	 Part No.: G10371001 Description: Decal, Meter Wire Quantity: 1
	Part No.: G10367201 Description: Decal, Warning Quantity: 1
	Part No.: G10367901 Description: Decal, Instruction Quantity: -

	Part No.: G10368101 Description: Decal, Transmission (2021 Production and on) Quantity: 1
	 Part No.: 10371301 Description: Decal, Transport Valve
	Part No.: G10371801 Description: Decal, Tank Drain
	Part No.: G10368201 Description: Decal, Oil/Grease Daily (2021 Production and on) Quantity: -
	Part No.: G10371501 Description: Decal, Oil/Grease Weekly Quantity: -

Decals, Paint, and Miscellaneous

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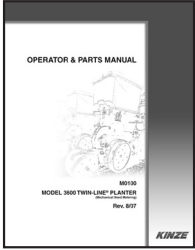
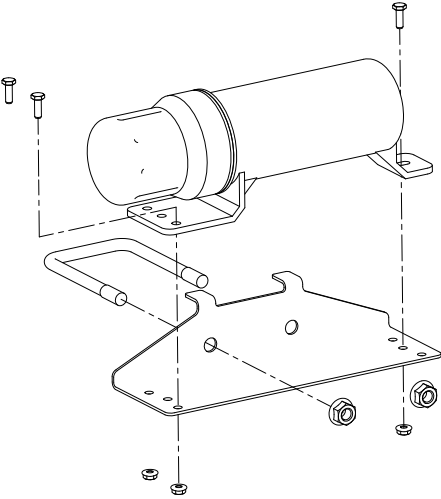
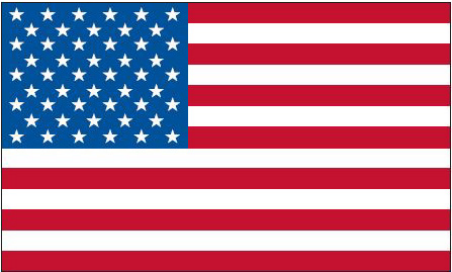
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	Part No.: GR2127MPP Description: Blue Paint, Twelve Aerosol Cans
	Part No.: GR0146 Description: Powdered Graphite, 1 Pound Container Part No.: GR0146MPP Description: Powdered Graphite, Twenty-Four 1 Pound Containers
	Part No.: GR1570MPP Description: Talc Lubricant, Four 8 Pound Containers
	Part No.: GR1842MPP Description: Graphite Lubricant, Four 5 Pound Containers
	Part No.: GR2240MPP Description: Talc/Graphite Blend (80 Talc/20 Graphite), Four 8 Pound Containers
	Part No.: GR2241MPP Description: Dispensing Cap, 10/Package
	Part No.: G10074001 Description: Decal, Kinze 3505 Quantity: 2 (1 On Each Side of Hitch)
	Part No.: G10227601 Description: Decal, 3505 Blue Drive Quantity: 2 (1 On Each Side Of Hitch)

Decals, Paint, and Miscellaneous

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	Part No.: English version- GM0311-01 Russian version- GM0311-01-RUS Ukrainian version- GM0311-01-UKR Romanian version- GM0311-01-ROM Bulgarian version- GM0311-01-BGR Description: Operator's Manual, Model 3505 Part No.: GM0311-02 Description: Parts Manual, Model 3505 Part No.: GPR1094 Description: Binder (Contact Kinze Repair Parts To Order)
	Part No.: GA15422 Description: Operator's Manual Canister Quantity: 1
	Part No.: GD22686 Description: Manual Canister Bracket Quantity: 1
	Part No.: GD16642 Description: U-Bolt, 3" x 4" x 1/2"-13 Quantity: 1
	Part No.: G10071 Description: Serrated Flange Nut, 1/2"-13 Quantity: 2
	Part No.: G11166 Description: Hex Socket Flange Cap Screw, 1/4"-20 x 3/4" Quantity: 3
	Part No.: G11320 Description: Lock Nut, 1/4"-20, Grade B Quantity: 3
	Part No.: G7100-484 Description: Decal, American Flag

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*A1018.....	P185	*A12038.....	P177	*A15092-155.....	P200	*A26938-110.....	P185
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*A1078.....	P203	*A12080.....	P195	*A15098-150.....	P193	*A26938-110.....	P195
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*A1153.....	P195	*A12937-24.....	P200	*A18644.....	P200	*A26941-112.....	P185
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*A3274.....	P200	*A13870-103.....	P117	*A18671-30.....	P202	*D12227.....	P165
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*A3371.....	P197	*A13870-133.....	P117	*A21525-77.....	P185	*D12236.....	P166
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*A7678-13.....	P177	*A15023.....	P187	*A21530-140.....	P193	*D29692.....	P166
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*A11447.....	P191	*A15082-154.....	P200	*A25690-67.....	P202	G1K331.....	P66
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