MODEL 3005 70 CM
RIGID FRAME EXPORT PLANTER

PARTS MANUAL

M0309-02 Rev. 08/26

This manual applies to: Model: 3005 Rigid Frame Planters
Production Year 2026

Record serial number of your planter and 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.

Hardware Size / Tool Required			
1/4" = 7/16"	7/16" = 5/8" (nut for 7/16" hardware uses 11/16" tool)	3/4" = 1 1/8"	1 1/4" = 1 7/8"
5/16" = 1/2"	1/2" = 3/4"	7/8" = 1 5/16"	1 1/2" = 2 1/4"
3/8" = 9/16"	5/8" = 15/16"	1" = 1 1/2"	

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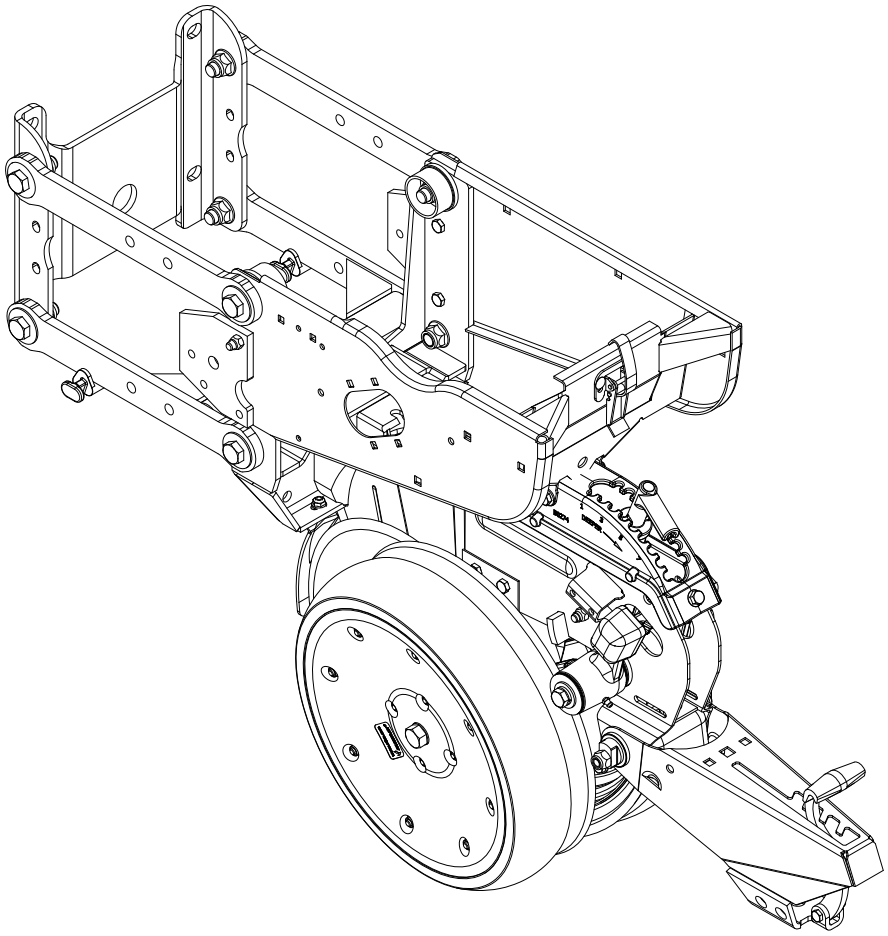
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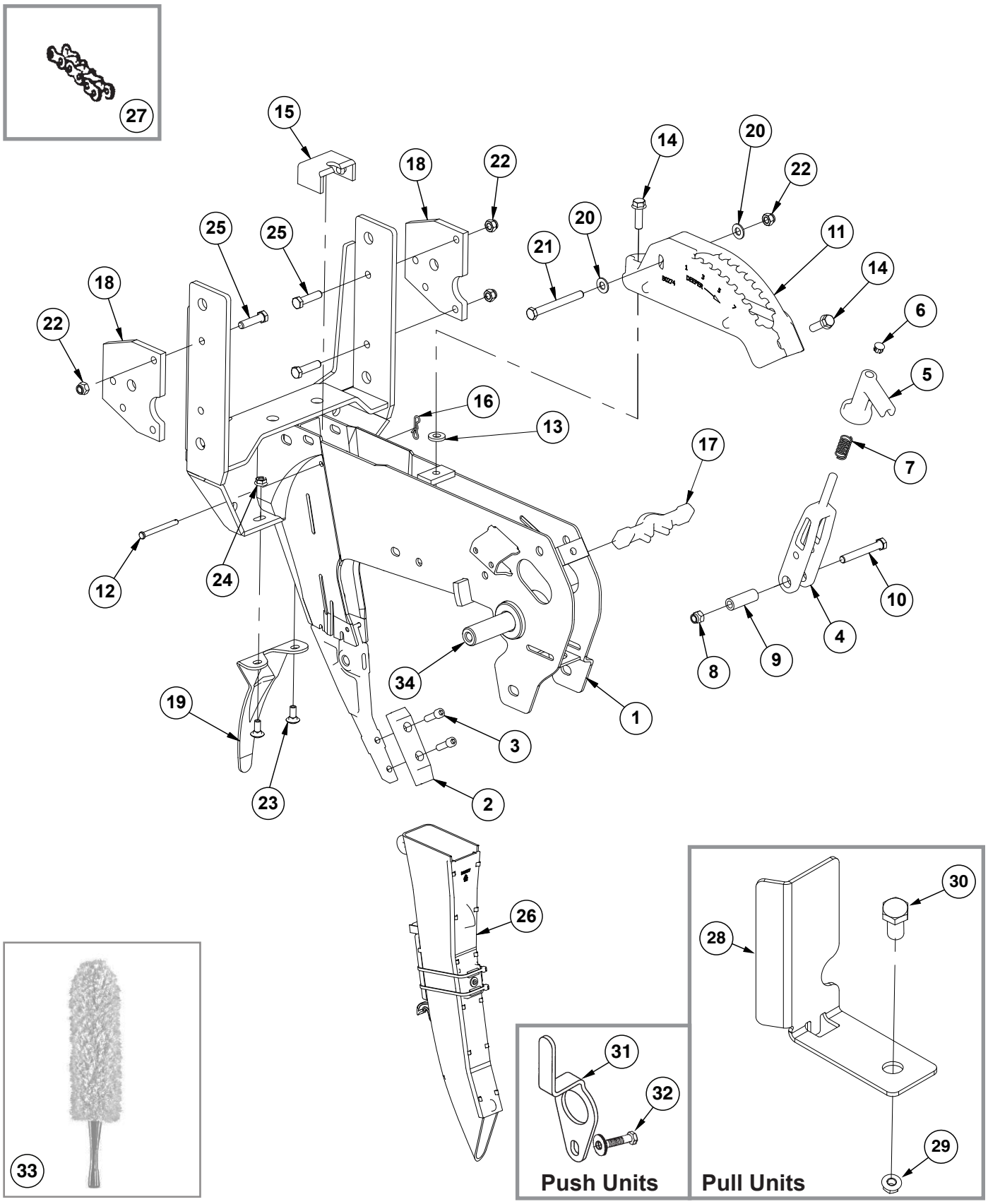
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NOTE: Row unit assembly does not include the following: seed meter assembly, seed tube assembly, row unit hopper assembly, closing wheels, or seed meter clutch.



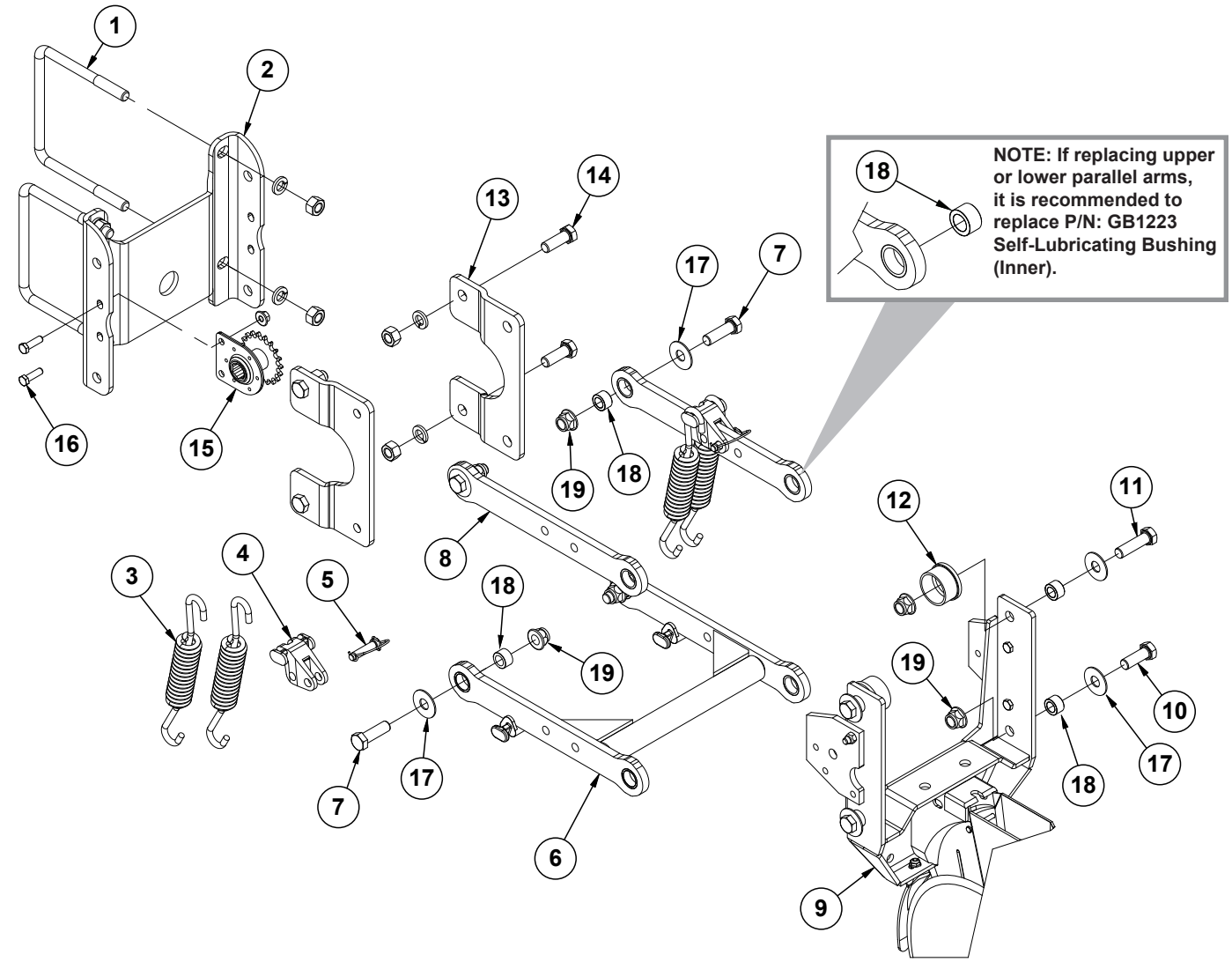
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G10502X	1	Pull Row Unit Assembly (Standard Gauge Wheels)
2	G10984X	1	Pull Row Unit Assembly (Spoked Gauge Wheels)

(IP1577)


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Push Units
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Pull Units

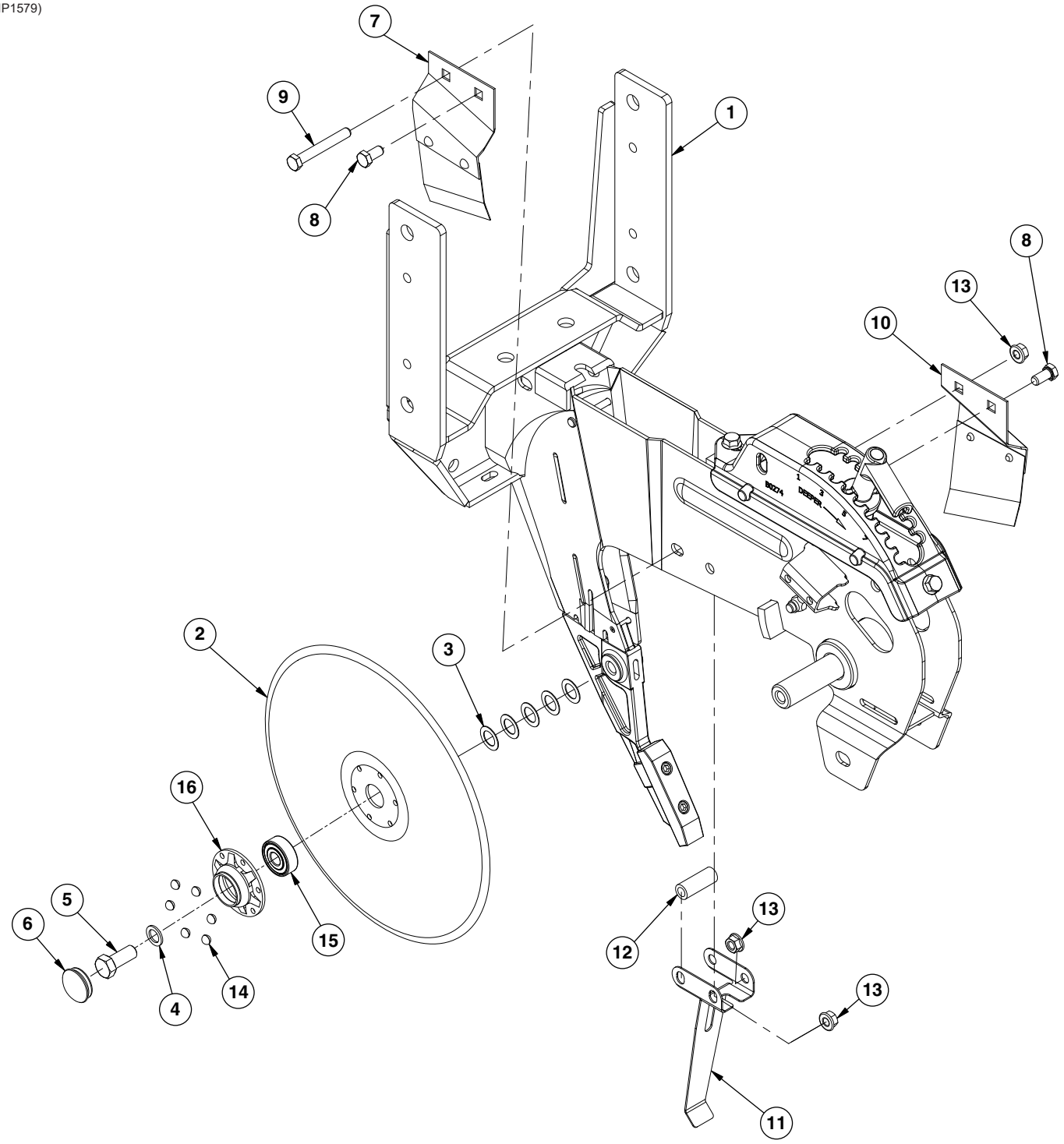
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GA10157	1	Shank W/Gauge Wheel Pivot Spindle and Set Screw
2	G10038601	1	Scraper
3	G10500901	2	Hex Socket Head Cap Screw, 5/16”-18 x 1”
4	GB0267	1	Lever, Depth Adjustment
5	GB0266	1	Handle, Depth Adjustment
6	GD3612	1	Cap Plug
7	GD10993	1	Spring
8	G11591	1	Nylon Lock Nut, ⅜”-24, Grade C
9	GD11259	1	Sleeve, ⅜” I.D. x ⅝” O.D. x 1²⁵⁄₃₂” Long
10	G11592	1	Hex Head Cap Screw, ⅜”-24 x 2¾”, Grade 8
11	GB0274	1	Cover, Depth Adjustment
12	G10551	1	Clevis Pin, ¼” x 2 ½”
13	G10207	1	Washer, ⅞” O.D. x ¹³⁄₃₂” I.D. x .134” (If Applicable)
14	G11015	2	Hex Washer Head Cap Screw, ⅜”-16 x 1¼”
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, ⅜” SAE
21	G10061	1	Hex Head Cap Screw, 3/8”-16 x 3 ½”
22	G10108	4	Lock Nut, ⅜”-16
23	G10312	2	Carriage Bolt, ⅝”-18 x ¾”
24	G10620	2	Serrated Flange Nut, ⅝”-18
25	G10003	3	Hex Head Cap Screw, ⅜”-16 x 1½”
26	GA21515	1	Seed Tube Assembly
27	G3303-98 G3303-108 G3303-16 GR0196	1 1 1 -	Chain, No. 41, 98 Pitch Including Connector Link (Mechanical) Chain, No. 41, 108 Pitch Including Connector Link (Vacuum) Chain, No. 41, 16 Pitch Including Connector Link (Used W/Row Unit Extension Brackets) Connector Link, No. 41
28	GD29798	1	Chain Guard
29	G10071	1	Serrated Flange Nut, ½"-13
30	G10014	1	Hex Head Cap Screw, ½"-13 x 1"
31	GD17014	1	Hose Guide, Push Units
32	G10047 G11387 G10108	1 2-3 1	Hex Head Cap Screw, ⅜"-16 x 1¾" Flat Washer, ⅜" SAE Lock Nut, ⅜"-16
33	G10475701	-	Professional Microfiber Duster, 19” (for cleaning Seed Tube sensors)
34	GD11001 G10438	1 1	Spindle Hex Head Cap Screw, ½”-13 x ¾”

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NOTE: If replacing upper or lower parallel arms, it is recommended to replace P/N: GB1223 Self-Lubricating Bushing (Inner).

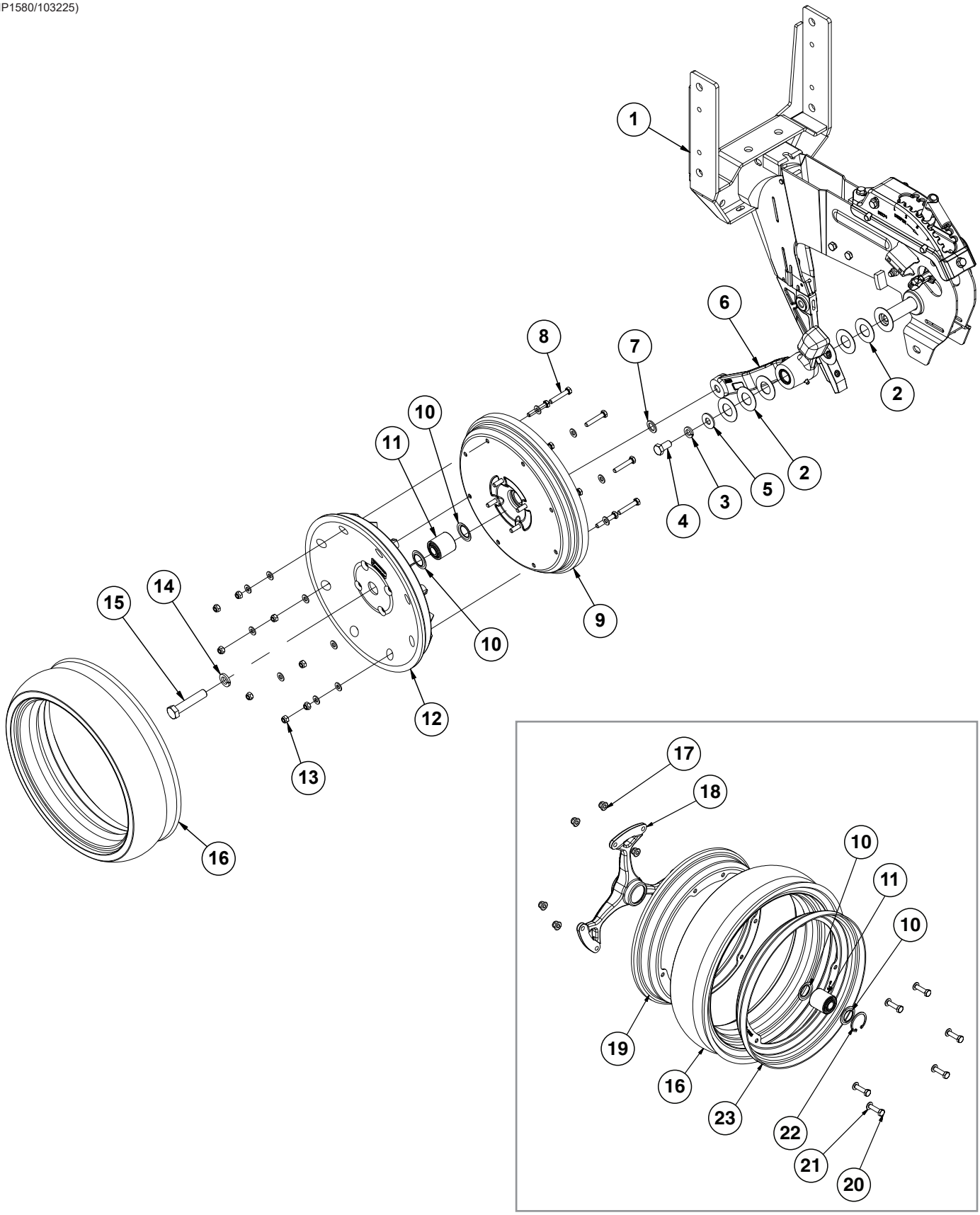
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GD1114 G10230 G10104	2 4 4	U-Bolt, 7" x 7" x ⅝"-11 (Pull Units/Back Rows) Lock Washer, ⅝" Hex Nut, ⅝"-11
2	GD10036	1	Mounting Support Plate
3	GD21337	4	Heavy Duty Down Pressure Spring
4	GB0186	2	Spring Anchor
5	GD14217	2	Tab Lock Pin, 7/16" x 1½"
6	G10011201 GB1224	1	Lower Parallel Arm Assembly Self-Lubricating Bushing, 1¼" O.D. x 1" I.D. x ½" (Included in G10011201)
7	G10732	4	Hex Head Cap Screw, ⅝"-18 x 2"
8	G10011101 GB1224	2 2	Upper Parallel Arm Assembly Self-Lubricating Bushing, 1¼" O.D. x 1" I.D. x ½" (Included in G10011101)
9	---	1	See "Shank Assembly, Seed Tube, and Depth Adjustment" on page P2
10	G10751	2	Hex Head Cap Screw, ⅝"-18 x 1¾"
11	G10752	2	Hex Head Cap Screw, ⅝"-18 x 2¼"
12	GB0314	2	Hopper Mount
13	GB0366	2	Extension Bracket
14	G10751 G11976 G11514	4 4 4	Hex Head Cap Screw, 5/8"-18 x 1 ¾" Flat Washer, 5/8" x 1-3/4" Non-Serrated Flange Locknut, 5/8"-18
15	GA1720	1	Bearing/Sprocket, ⅞" Hex Bore
16	G10004 G11091	2 2	Hex Head Cap Screw, ⅜"-16 x 1¼" Serrated Flange Nut, ⅜"-16
17	G11976	8	Flat Washer, ⅝" x 1¾"
18	GB1223	8	Self-Lubricating Bushing
19	G11514	8	Lock Nut, ⅝"-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

(IP1579)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G10037301	1	See “Shank Assembly, Seed Tube, and Depth Adjustment” on page P2
2	GD11306	1	Disc Blade, 3.5 mm x 15”
3	GD30725	10	Machine Bushing, ⅝” (.030” Thick) (5 Per)
4	G10397801	2	Bushing, 1 x .656 x 12
5	GD36856 G10005	1 1	Opener Blade Bolt, ⅝”-11 x 1¾”, Grade 5 Hex Head Cap Screw, ⅝”-11 x 1¾”
6	G10090401	2	Plastic Ribbed Hub Cap (1 Per)
7	GA2012L	1	Disc Scraper, L.H.
8	G10002	2	Hex Head Cap Screw, ⅜”-16 x ¾”
9	G10325	1	Hex Head Cap Screw, ⅜”-16 x 2¾”
10	GA2012R	1	Disc Scraper, R.H.
11	GD35444	1	Seed Tube Bracket
12	GD2971-26	1	Sleeve, ⅜” I.D x ⅝” O.D. x 1.63” Long
13	G10622	3	Serrated Flange Nut, ⅜”-16
14	GD36990	6	Rivet, ¼” x 9/16”
15	GA26920	1	Bearing
16	GD36860		Bearing Housing
A	G10018801	-	Disc Blade/Bearing Assembly, Less Dust Cap (Items 2, 14-16)

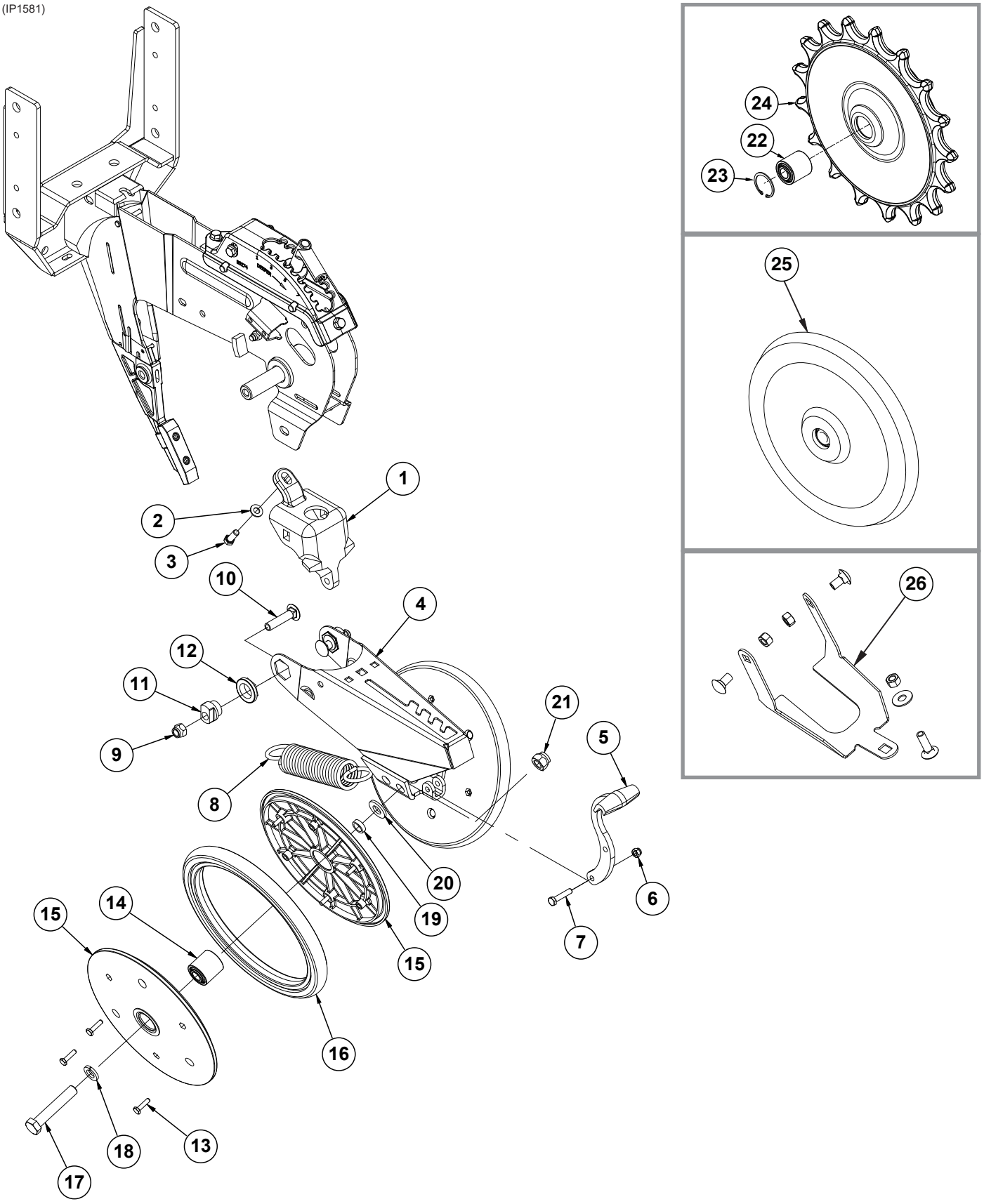
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Spoked Gauge Wheel

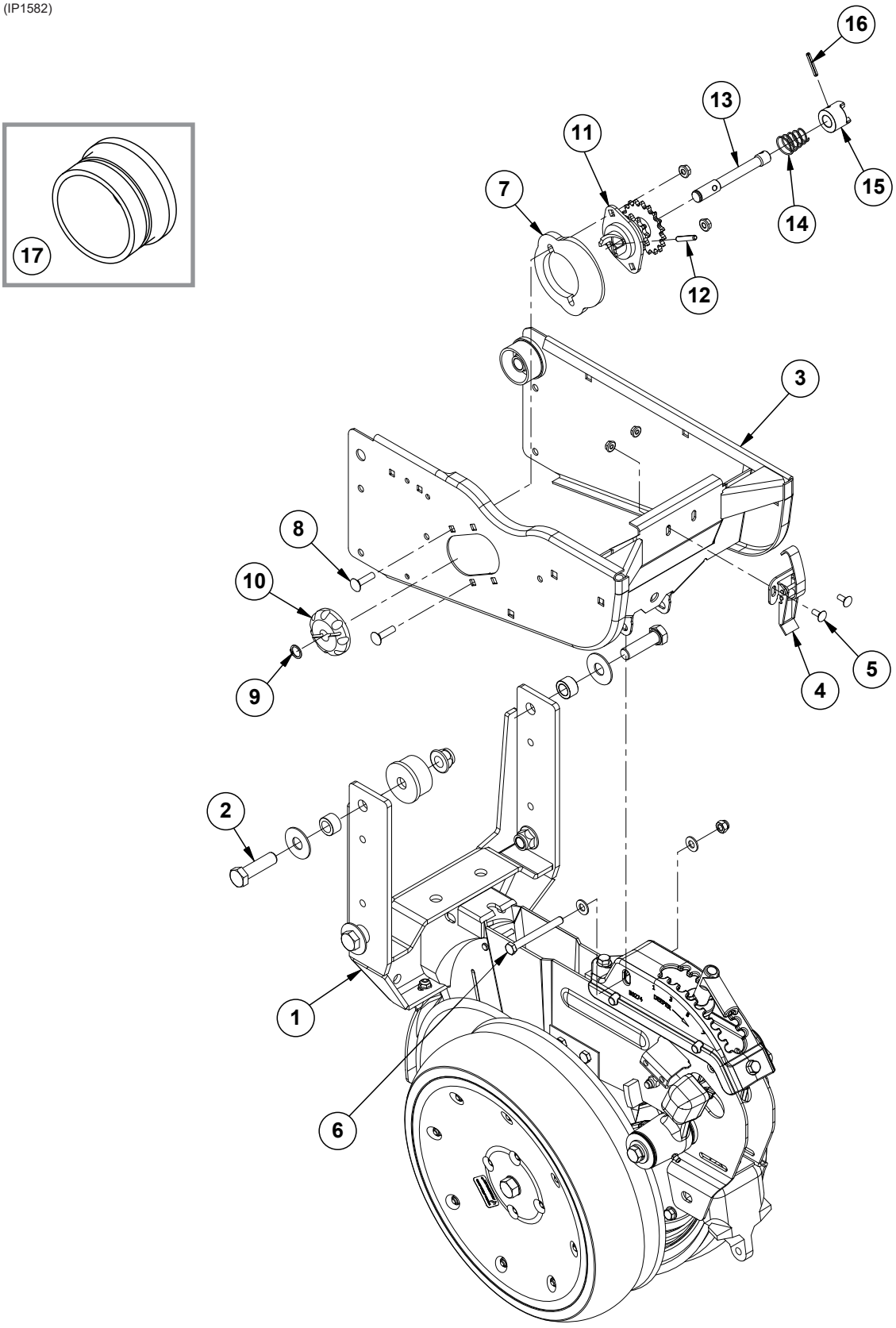
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	-	See “15” Seed Opener Disc Blade/Bearing Assembly and Scrapers” on page P6
2	G10940	7	Machine Bushing, 1” (.048” Thick)
3	G10228	2	Lock Washer, ½”
4	G10014	2	Hex Head Cap Screw, ½”-13 x 1”
5	G10216	2	Washer, ½” USS
6	GA21677 GA21676 GD10991 GB0276	1 - 2 2	Wheel Arm W/Grease Fitting, Bushings, and Seals, L.H. (Shown) Wheel Arm W/Grease Fitting, Bushings, and Seals, R.H. Seal (Per Arm) (Included W/GA21677 and GA21676) Bushing, 1” I.D. x 1¼” O.D. x 1” Long (Per Arm) (Included W/GA21677 and GA21676)
7	G10397801	1	Bushing, 1 x .656 x 12
8	G10871701	8	Hex Non-Serrated Cap Screw, M8 x 45
9	G10028701 G10871601	1 4	Half Gauge Wheel Hex Non-Serrated Cap Screw, M8 x 25
10	GD36713	2	Gauge Wheel Dust Shield
11	GA6171	1	Bearing
12	GD36709	1	Half Gauge Wheel
13	G10871801	12	Hex Flanged Lock Nut, Nylon Lock - M8
14	G10230	1	Lock Washer, ⅝”
15	G10010	1	Hex Head Cap Screw, ⅝”-11 x 3”
16	G10028601	1	Tire, 4½” 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

(IP1581)



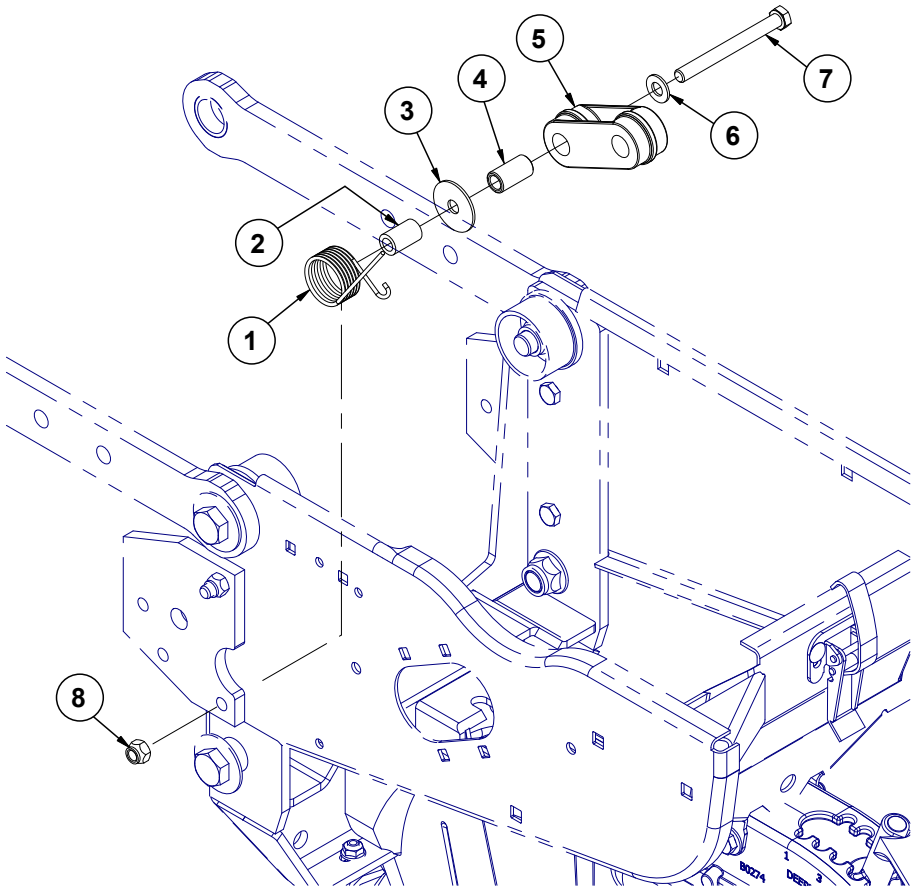
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GB0268	1	Wheel Arm Mount
2	G11387	1	Flat Washer, ⅜" SAE
3	G10001	1	Hex Head Cap Screw, ⅜"-16 x 1"
4	GA15197	1	Closing Wheel Arm
5	GB0254	1	Lever
6	G10109	1	Lock Nut, 5⁄16"-18, Grade 8
7	G10133	1	Hex Head Cap Screw, 5⁄16"-18 x 1½"
8	GD8460	1	Spring
9	G10111	2	Lock Nut, ½"-13
10	G11419	2	Carriage Bolt, ½"-13 x 2¼"
11	GB0239	2	Eccentric Bushing
12	GB0282	2	Stepped Bushing
13	G10064	6	Hex Head Cap Screw, ¼"-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, ⅝"-11 x 3½"
18	G10230	2	Lock Washer, ⅝"
19	GD1109	2	Bushing, 41⁄64" I.D. x ⅞" O.D. x ¼" Long
20	G11391	2	Flat Washer, ⅝" SAE
21	G10107	2	Lock Nut, ⅝"-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, ⅜"-16 x 1¼" (Included W/G1K345)
	G10308	2	Carriage Bolt, ⅜"-16 x ¾" (Included W/G1K345)
	G10101	3	Hex Nut, ⅜"-16 (Included W/G1K345)
	G10229	3	Lock Washer, ⅜" (Included W/G1K345)
	G11387	1	Hardened Washer, ⅜" SAE (Included W/G1K345)
A	GA6434	-	Rubber Closing Wheel Complete W/Bearing (Items 13-16)
B	GA26958	-	Spiked Closing Wheel (Items 22-24)

(IP1582)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	1	See “15” Seed Opener Disc Blade/Bearing Assembly and Scrapers” on page P6
2	G10752	2	Hex Head Cap Screw, ⅝”-18 x 2¼”
3	G10329801	1	Hopper Support
4	GA2007	1	Hopper Hold Down Latch
5	G10309 G10621	2 2	Carriage Bolt, ¼”-20 x ⅝”, Grade 2 Serrated Flange Nut, ¼”-20
6	G10061 G11387 G10108	1 2 1	Hex Head Cap Screw, ⅜”-16 x 3½” Flat Washer, ⅜” SAE Lock Nut, ⅜”-16
7	GB0331	1	Clutch Adapter Plate
8	G10338 G10620	2 2	Carriage Bolt, 5⁄16”-18 x 1¼” Serrated Flange Nut, 5⁄16”-18
9	G10567	1	External Retaining Ring, ⅝”
10	GD11239	1	Knob
11	GA10137 GA12143	1 -	Double Sprocket and Bearing, Drive Clutch, 11/19 Tooth (Mechanical) Double Sprocket and Bearing, Drive Clutch, 11/28 Tooth (Vacuum)
12	G10602	1	Spring Pin, ¼” x 1½”
13	GD29507	1	Clutch Shaft
14	GD11413	1	Spring
15	GB0278	1	Coupler
16	G10546	1	Spring Pin, 3⁄16” x 1¼”
17	GD17052	-	Vacuum Plug
A	GA10151	-	Seed Meter Clutch Assembly, 11/19 Tooth (Items 9-16) (Mechanical)
B	GA20640	-	Seed Meter Clutch Assembly, 11/28 Tooth (Items 9-16) (Vacuum)

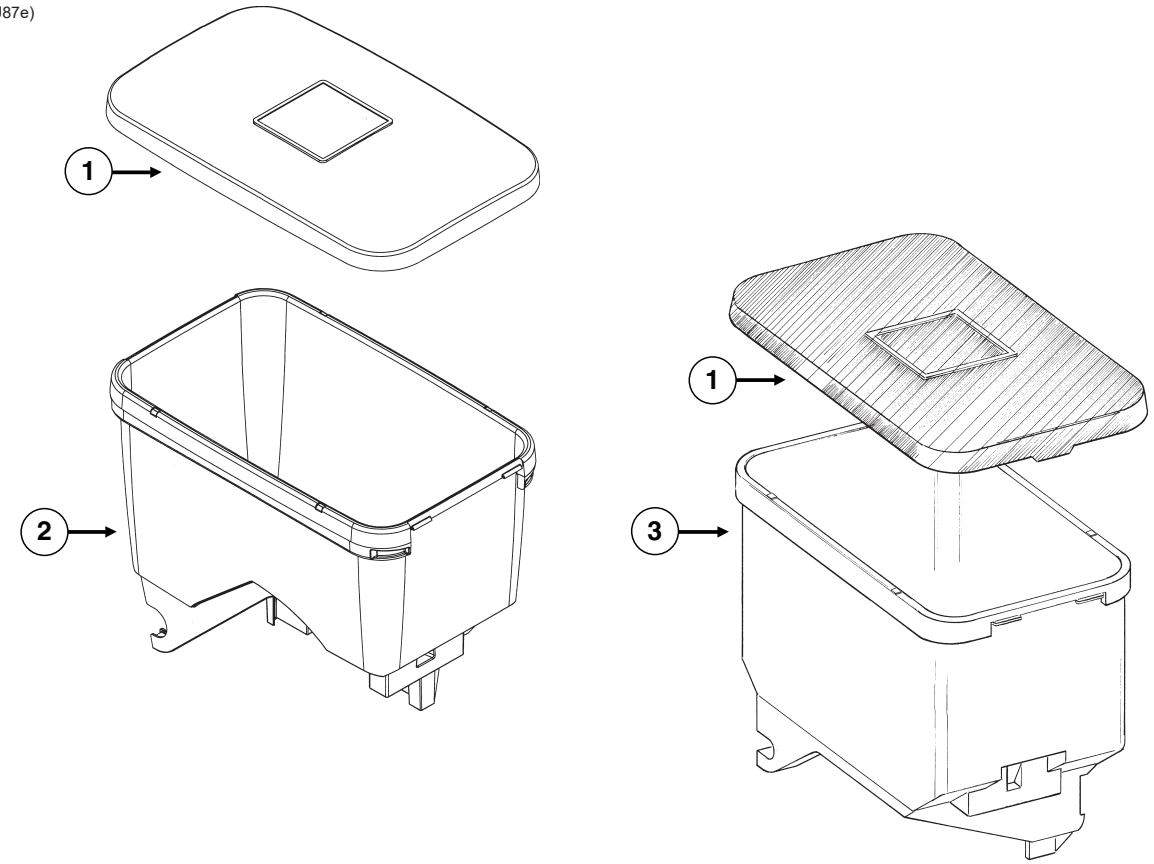
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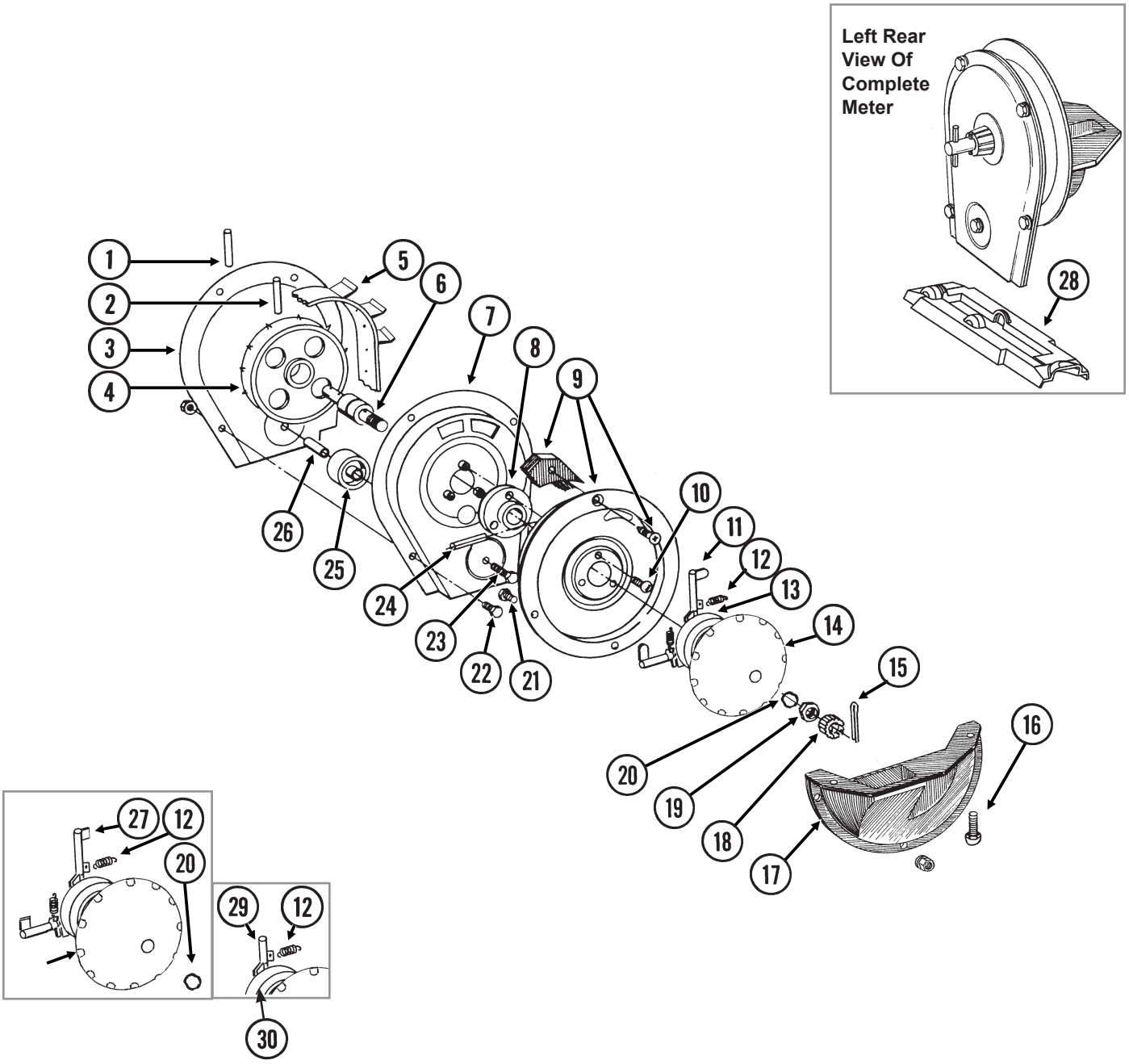
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GD1065	1	Idler Spring
2	GD7318	1	Sleeve, 1” Long
3	G10201	1	Special Washer, ⅜” x 1 ½” O.D.
4	GD1026	1	Sleeve, 1 3/16” Long
5	GD11962	1	Idler
6	G11387	1	Flat Washer, ⅜” SAE
7	G10326	1	Hex Head Cap Screw, ⅜”-16 x 3¾”
8	G10108	1	Lock Nut, ⅜”-16

Seed Hopper and Lid

(METR12/RU87e)



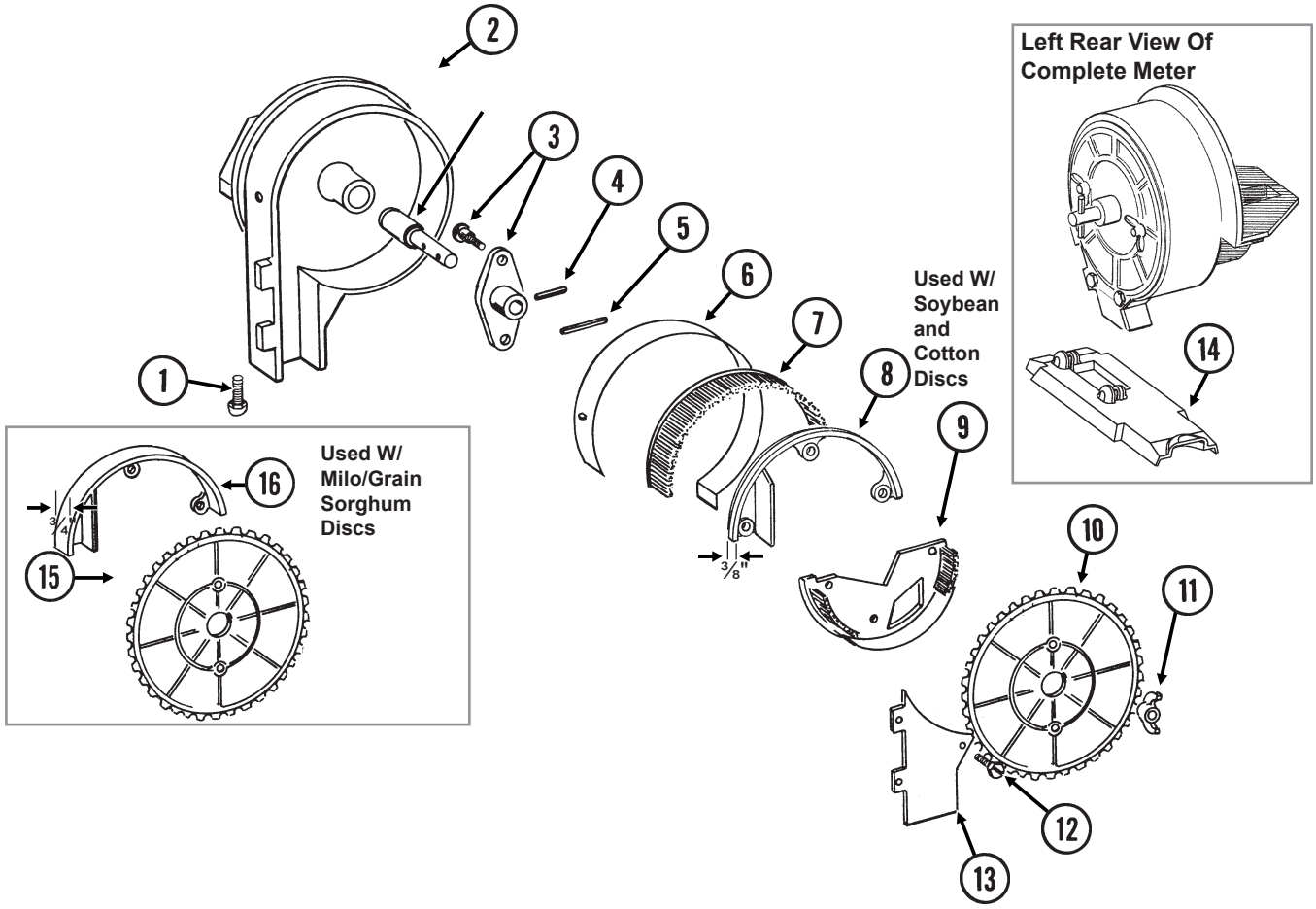
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD11279	1	Lid
2	GA24873	1	Seed Hopper (Vacuum)
	GD12561	-	Threaded Insert, 5/16"-18 (Included W/GA20254)
3	GA9714	1	Seed Hopper, Reinforced (Mechanical)
	GD12561	-	Threaded Insert, 5/16"-18 (Included W/GA9714)


Left Rear View Of Complete Meter
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ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G10602	1	Spring Pin, ¼" x 1½"
2	G10604	1	Spring Pin, 3⁄16" x 1½"
3	G10429301	1	Housing Cover
4	GD1041	1	Belt Drive Sprocket
5	GD11286	1	Seed Belt
6	GA2019	1	Bearing
7	G10429101	1	Conveyor Housing
8	GB0110	1	Bearing Housing
9	GR1569	-	Carrier Plate W/Brush and Screw (Corn)
	GR0664	-	Carrier Plate W/Brush and Screw (Sunflower)
	GA2020	-	Brush
	G10690	-	Rolling Thread Screw, No. 10 x ¾"
10	G10401	3	Slotted Hex Washer Head Screw, No. 10-32 x 5⁄8"
11	GD18704	12	Finger, Corn
12	GD19790	12	Spring
13	GB0410	1	Cam
14	GD11528	1	Finger Holder (Corn and Sunflower - Used With GR1848)
	GD26594	-	Finger Holder (Corn and Sunflower - Used With GR2154)
15	G10470	1	Cotter Pin, 5⁄32" x 1"
16	G11009	2	Locking Thumbscrew, 5⁄16"-18 x ¾"
17	GD36922	1	Seed Baffle
18	GD1083	1	Cover Nut
19	G10500	1	Jam Nut, 5⁄8"-18 UNF
20	GA8343	1	Wave Washer, 5⁄8" (Triple Wave)
21	G10020	3	Hex Head Cap Screw, ¼"-20 x 5⁄8"
	G10323	3	Hex Flange Nut, ¼"-20, No Serrations
22	G10022	5	Hex Head Cap Screw, ¼"-20 x ½"
	G10621	6	Serrated Flange Nut, ¼"-20
23	G10021	1	Hex Head Cap Screw, ¼"-20 x 1½"
	G10621	1	Serrated Flange Nut, ¼"-20
24	G10603	1	Spring Pin, ¼" x 1¼"
25	GD1042	1	Idler
26	GB0120	1	Bushing, 17⁄64" I.D. x 1 1⁄32" Long
27	GD19333	12	Finger, Oil Sunflower
28	GD15698	1	Shank Cover, Finger Pickup Seed Meter
29	GD11787	-	Half Rate Blank Finger
30	GB0410	-	Cam (Sunflower)

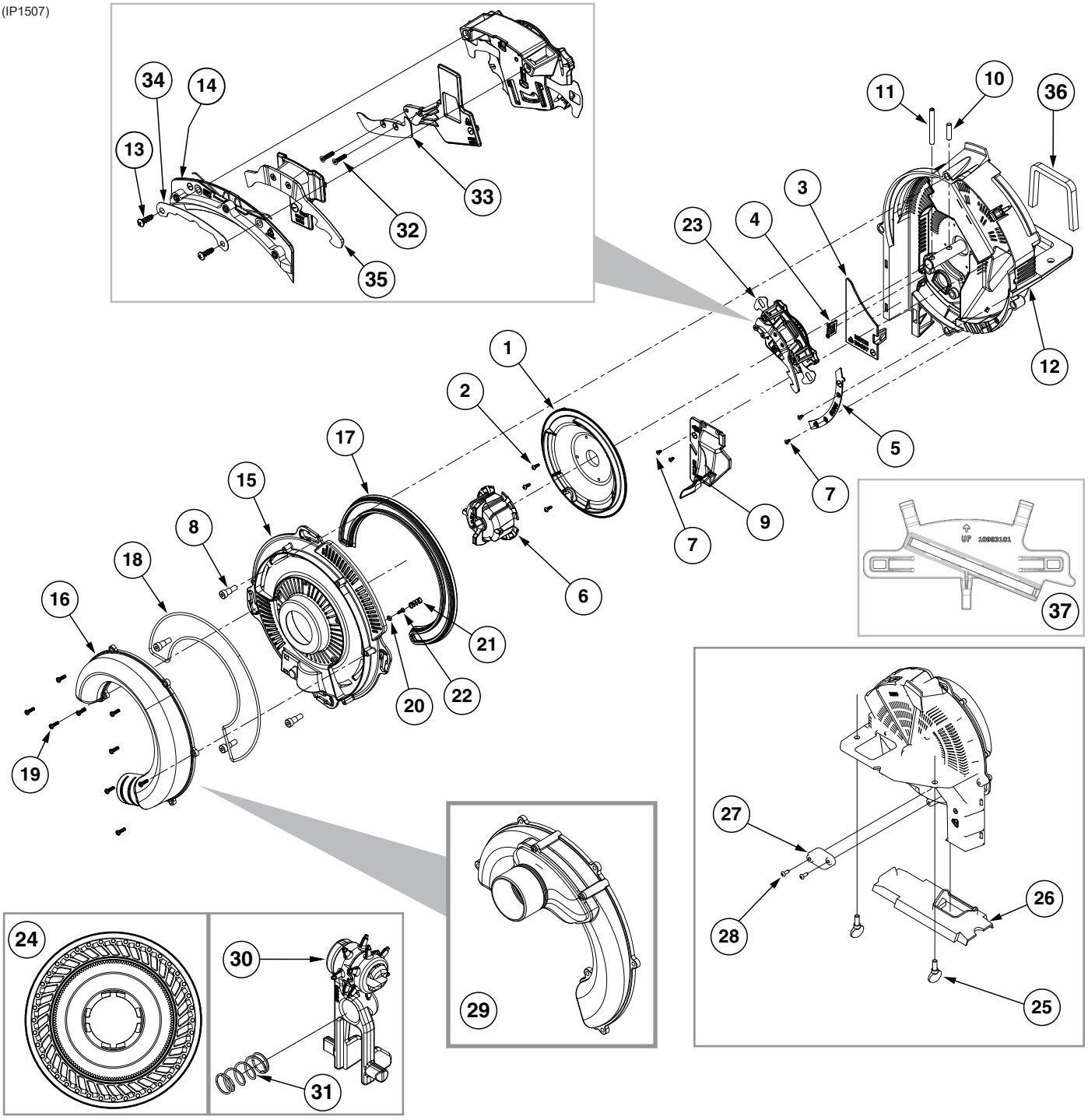
A	GR1848	-	Finger Assembly, Corn (Items 11-14 and 20)
B	GR2154	-	Finger Assembly, Sunflower (Items 12, 14, 20, 27, and 30)
C	G10846X	-	Corn Meter Assembly (Items 1-26 and 28)
D	900-01117	-	Sunflower Meter Assembly (Items 1-10, 12, 14-15, 17-27, and 30)

RUA037/RUA056/RUA057(RU14f)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G11009	2	Locking Thumbscrew, 5⁄16"-18 x ¾"
2	GA18208	1	Housing W/Bearing
	GA5698	-	Bearing (Included W/GA18208)
3	GA6038	1	Hub W/Shoulder Bolts
	GD1755	-	Shoulder Bolt, ¼"-20 (2 Used)
4	G10603	1	Spring Pin, ¼" x 1¼"
5	G10602	1	Spring Pin, ¼" x 1½"
6	GD8778	1	Wear Strip
7	GA5699	1	Upper Brush
8	GD11122	1	Upper Brush Retainer (Used W/Soybean and Cotton Discs)
9	GA5834	1	Lower Brush
10	GA5794	-	Seed Disc, Soybean, 60 Cell, Black Color-Coded
	GA6184	-	Seed Disc, Specialty Soybean, 48 Cell, Dark Blue Color-Coded
	GA5796	-	Seed Disc, Cotton, Acid-Delinted, 30 Cell, White Color-Coded
	GA6168	-	Seed Disc, Large Cotton, Acid-Delinted, 36 Cell, Tan Color-Coded
	GA6478	-	Seed Disc, High-Rate Cotton, Acid-Delinted, 48 Cell, Light Green Color-Coded
	GA6182	-	Seed Disc, Hill-Drop Cotton, Acid-Delinted, 12 Cell, Brown Color-Coded
	GA7255	-	Seed Disc, Small Hill-Drop Cotton, Acid-Delinted, 12 Cell, Dark Green Color-Coded
11	G10531	2	Wing Nut W/Nylon Insert, ¼"-20
12	G11151	9	Hex Washer Head Screw, No. 10-16 x ½"
	G10634	-	Slotted Tap Screw, No. 10-24 x ⅝" (Use As Required)
13	GD7878	1	Cover
14	GD15699	1	Shank Cover, Brush-Type Seed Meter
15	GA5982	-	Seed Disc, Small Milo/Grain Sorghum, 30 Cell, Red Color-Coded
	GA6187	-	Seed Disc, Large Milo/Grain Sorghum, 30 Cell, Light Blue Color-Coded
	GA5795	-	Seed Disc, High-Rate Small Milo/Grain Sorghum, 60 Cell, Red Color-Coded
	GA6633	-	Seed Disc, High-Rate Large Milo/Grain Sorghum, 60 Cell, Yellow Color-Coded
16	GD8237	-	Upper Brush Retainer (Used W/Milo/Grain Sorghum Discs)
A	700-01079	-	Brush Meter (Items 1-9 and 11-14)

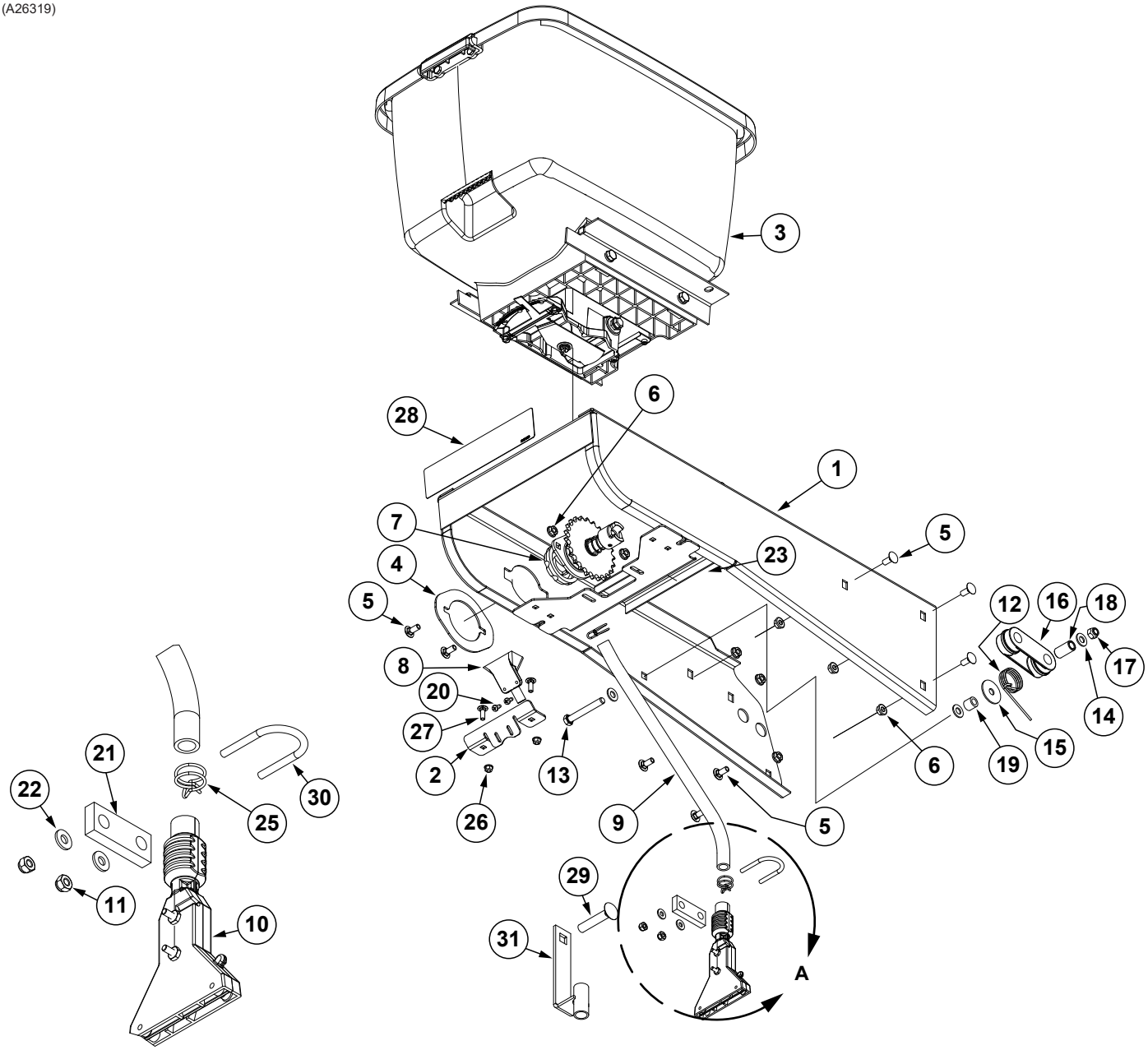
(IP1507)



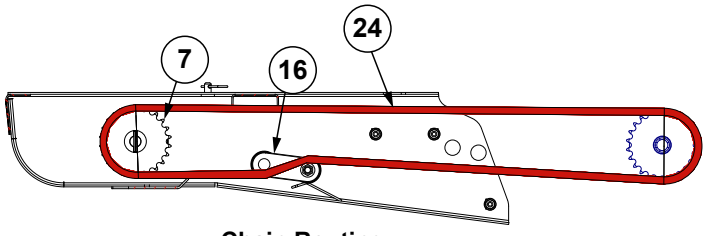
ITEM	PART NO.	QTY.	DESCRIPTION
1	GB0815	1	Shield
2	G11619	3	Phillips Pan Head Tapping Screw, No. 6-19 x ⅜"
3	GB0697	1	Chute Cover
4	GB0780	1	Brush
5	GB0823	1	Baffle
6	GB1147	1	Disc Hub
7	G11618	4	Torx Flat Head Tapping Screw, No. 6-19 x ¼"
8	G11172	4	Hex Socket Head Shoulder Screw, ¼"-20 x ⅜", Stainless Steel

ITEM	PART NO.	QTY.	DESCRIPTION
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, 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
	G11124X	-	Seed Disc, Sunflower, 23 Cell, Yellow 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
	GB1237	-	Anti-Static Blank Seed Disc
	GB1231	-	Blank Seed Disc
25	G11009	2	Locking Thumbscrew, 5/16"-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 (40 Cell)
	G10177001	-	Ejector Arm, Sunflower (23 Cell)
	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)
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)

(A26319)



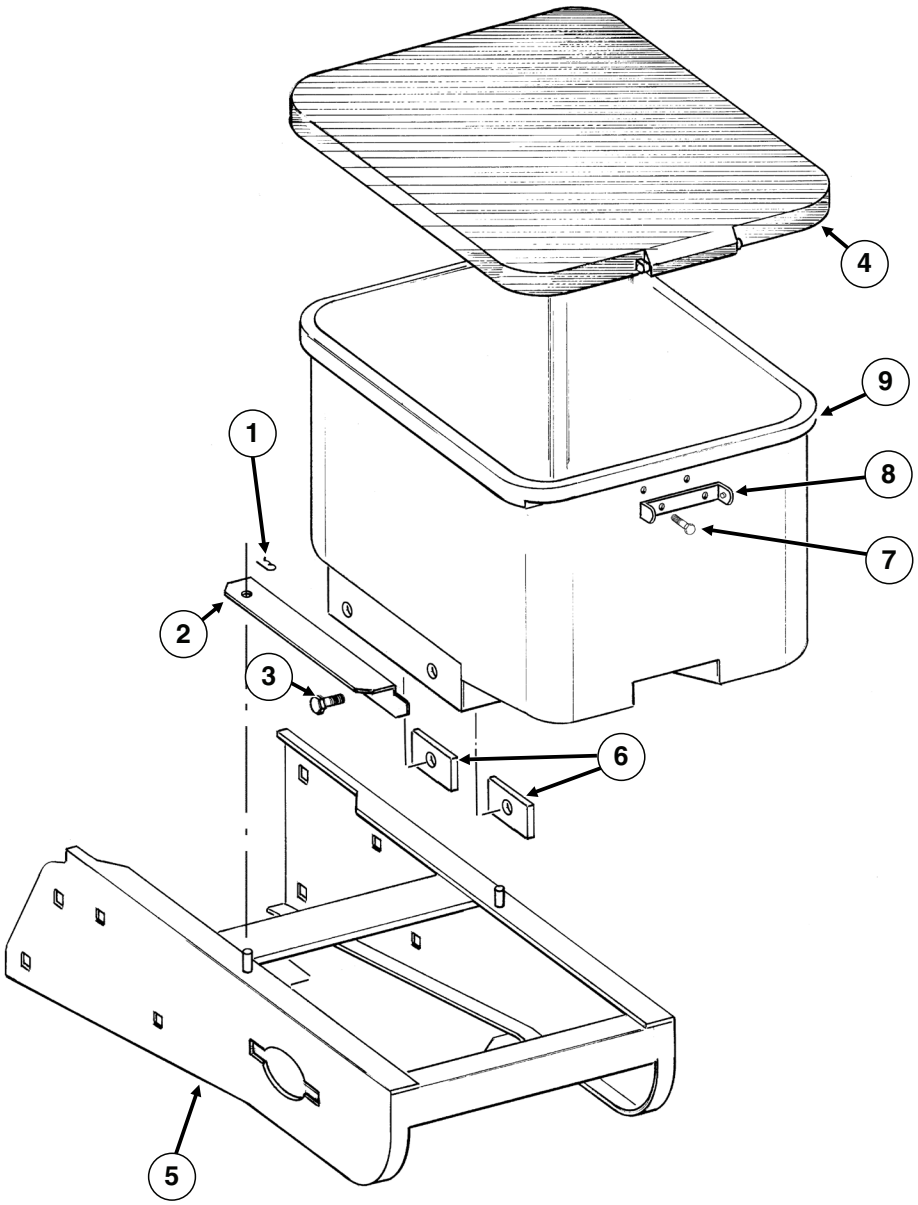
Detail A



Chain Routing

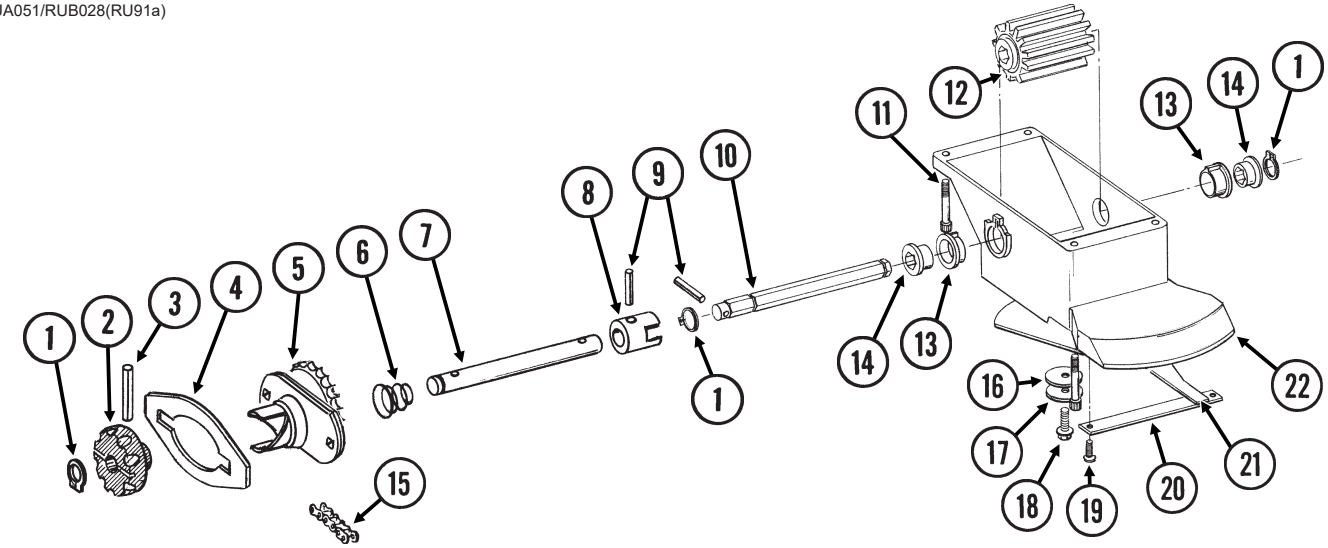
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	A26287	1	Hopper Panel Extension **(Non-Stock Item)**
2	GD36277	1	Funnel Bracket
3	---	-	See “Granular Chemical Hopper and Hopper Panel Extension” on page P24
4	GD11305	1	Plate
5	G10312	8	Carriage Bolt, 5⁄16”-18 x 3⁄4”
6	G10620	8	Serrated Flange Nut, 5⁄16”-18
7	---	1	See “Granular Chemical Meter and Meter Drive” on page P25
8	GD2423	1	Funnel
9	GD2947	1	Hose, 7⁄16” x 28”
10	GA6907 G10864 G10757 G10758	1 1 2 2	Slope-Compensating Bander W/Hardware (4½" Band Width) Uni-Clamp (Included W/GA6907) Pan Head Screw, No. 10-32 x 1¼" (Included W/GA6907) Hex Nut, No. 10-32 (Included W/GA6907)
11	G10110	2	Lock Nut, ¼”-20, Grade B
12	GD11219	1	Spring
13	G10325	1	Hex Head Cap Screw, 3⁄8”-16 x 2¾”
14	G11387	3	Flat Washer, 3⁄8” SAE
15	G10201	1	Special Washer, 3⁄8” x 1½” O.D.
16	GD11962	1	Idler
17	G10108	1	Lock Nut, 3⁄8”-16
18	GD1026	1	Sleeve, 1 3⁄16” Long
19	GD2971-10	1	Sleeve, 9⁄16” Long
20	G10966	2	Phillips Head Self-Tapping Screw, No. 10 x 1/2”
21	GD10984	1	Spacer
22	G11385	2	Flat Washer, ¼” SAE
23	G10670	2	Hair Pin Clip, No. 3
24	G3303-114 G3303-108 GR0196	1 1 1	Chain, No. 41, 114 Pitch Including Connector Link (Mechanical) Chain, No. 41, 108 Pitch Including Connector Link (Vacuum) Connector Link, No. 41
25	G11209	2	Wire Hose Clamp, ¾”
26	G10621	2	Serrated Flange Nut, ¼”-20
27	G10310	2	Carriage Bolt, ¼”-20 x ¾”, Grade 2
28	---	-	See “Decals, Paint, and Miscellaneous” on page P140
29	G10315	1	Carriage Bolt, ½”-13 x 2½” (Replaces Existing ½” x 2¼” Hardware)
30	GD10963	1	U-Bolt, 1½” x 1 5⁄16” x ¼”-20
31	GA6741	1	Bracket (Straight Drop In-Furrow)

(METR14d)



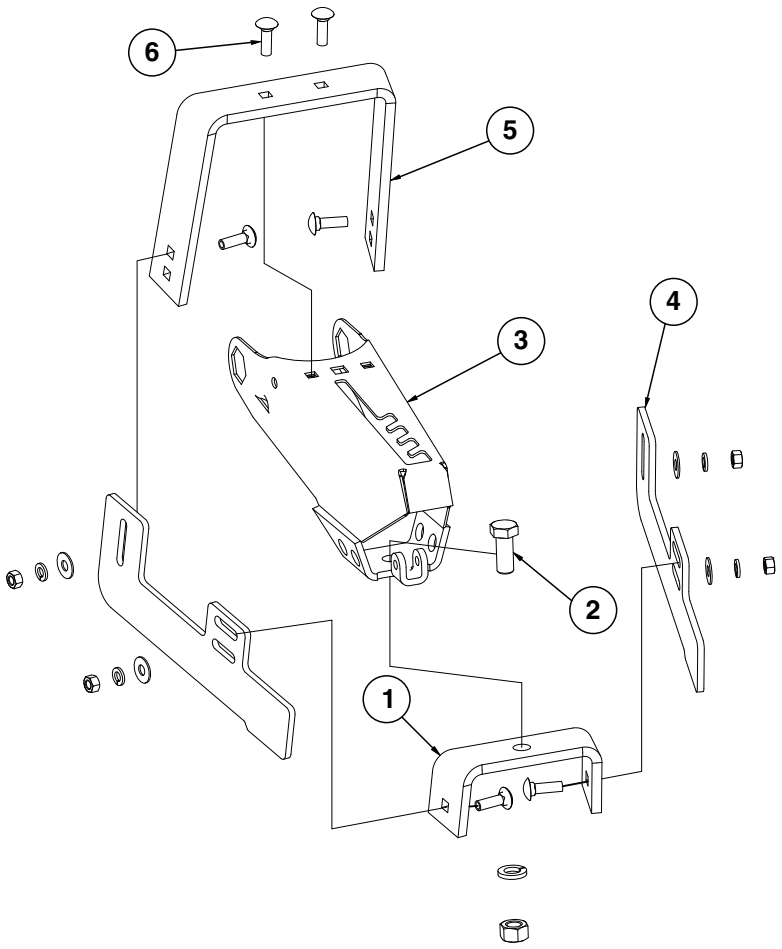
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G10670	2	Hair Pin Clip, No. 3
2	GD1059L GD1059R	1 1	Support, L.H. (Shown) Support, R.H.
3	G10002 G10229	4 4	Hex Head Cap Screw, ⅜"-16 x ¾" Lock Washer, ⅜"
4	GA4444	1	Lid
5	GA26287	1	Hopper Panel Extension **(Non-Stock Item)**
6	GD11424	4	Block
7	G10023 G10621	2 2	Hex Head Cap Screw, ¼"-20 x ¾" Serrated Flange Nut, ¼"-20
8	GD1060	1	Hinge
9	GA8371	1	Hopper

RUA051/RUB028(RU91a)



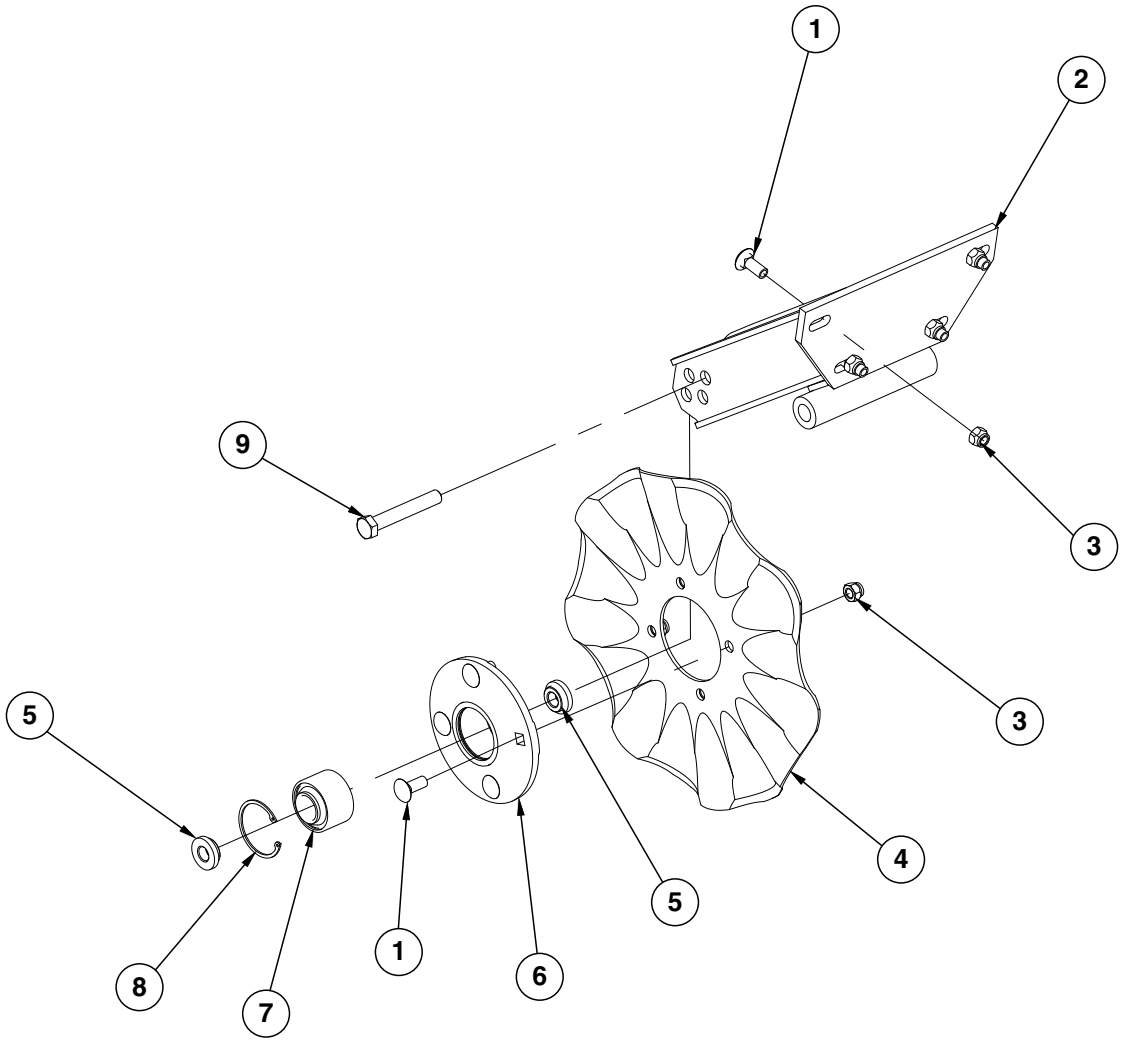
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G10567	3	External Retaining Ring, ⅝"
2	GD11239	1	Knob
3	G10602	1	Spring Pin, ¼" x 1½"
4	---	-	See “Granular Chemical Hopper and Hopper Panel Extension” on page P24
5	GA8364	1	Sprocket and Bearing, Drive Clutch, 24 Tooth
6	GD11413	1	Spring
7	GD11240	1	Shaft
8	GB0278	1	Coupler
9	G10546	2	Spring Pin, 3⁄16" x 1¼"
10	GD11297	1	Shaft
11	G11793	4	Hex Socket Head Cap Screw, No. 10-24 x ⅜"
12	GD7148	1	Feed Roller, Hex Bore
13	GB0115	2	Bearing
14	GD7258	2	Hex Bushing
15	G3303-114 GR0196	1 1	Chain, No. 41, 114 Pitch Including Connector Link Connector Link, No. 41
16	G10660	1	Wave Washer, ½"
17	G11385	1	Flat Washer, ¼" SAE
18	G10570	1	Slotted Hex Self-Tapping Screw, ¼"-20 x ¾"
19	G11073	2	Slotted Hex Self-Tapping Screw, No. 10 x ⅜"
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)

(IP1202)



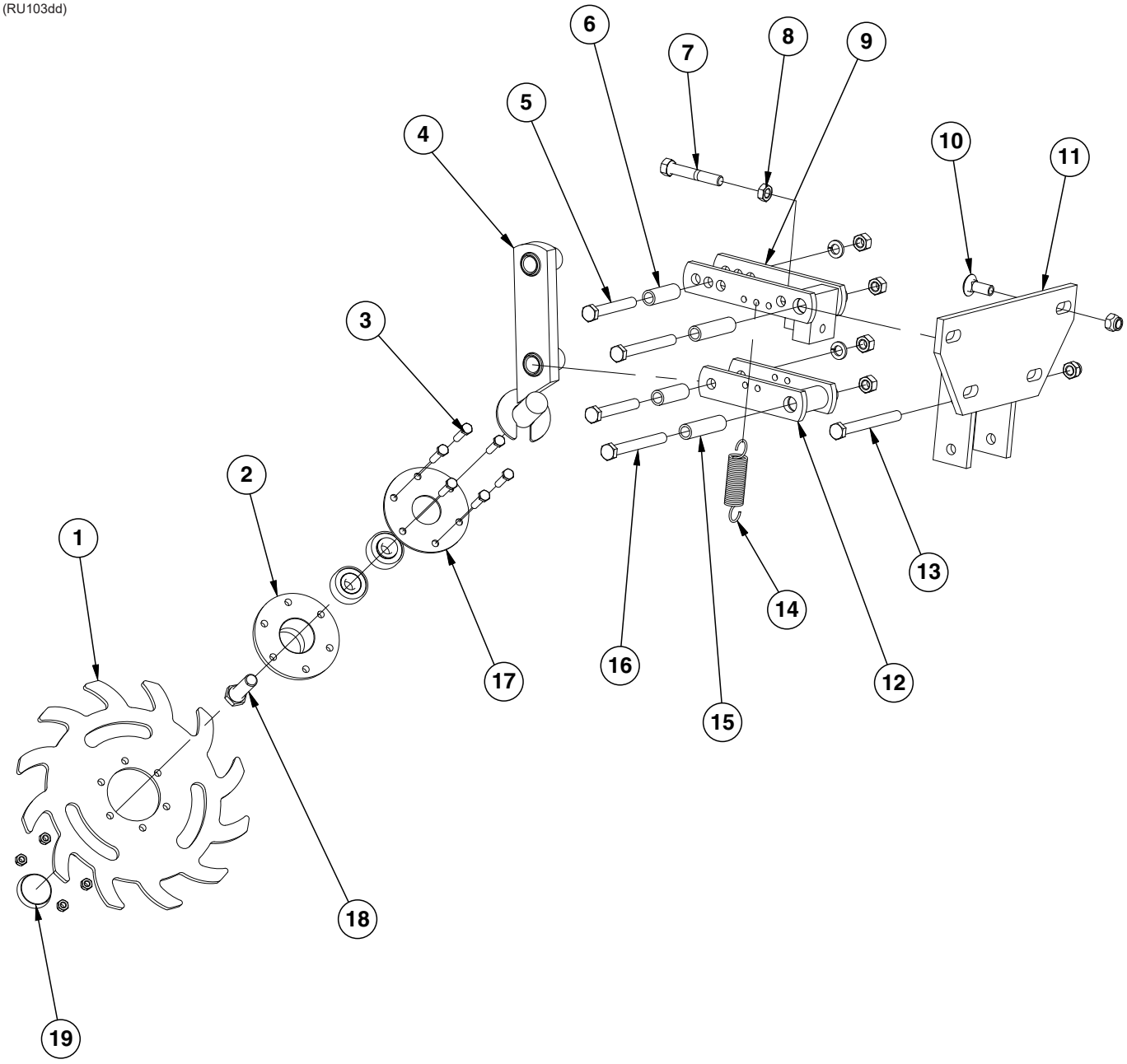
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GD11509	1	Rear Bracket
2	G10007	1	Hex Head Cap Screw, ⅝"-11 x 1½"
	G10230	1	Lock Washer, ⅝"
	G10104	1	Hex Nut, ⅝"-11
3	GA15197	1	Closing Wheel Arm
4	GD11313	2	Blade
5	GD11508	1	Front Bracket
6	G10599	6	Carriage Bolt, ⅜"-16 x 1¼"
	G10229	6	Lock Washer, ⅜"
	G11387	6	Flat Washer, ⅜" SAE
	G10101	6	Hex Nut, ⅜"-16
A	G7566X	-	Drag Closing Attachment Complete (Items 1-6)

(IP1279)



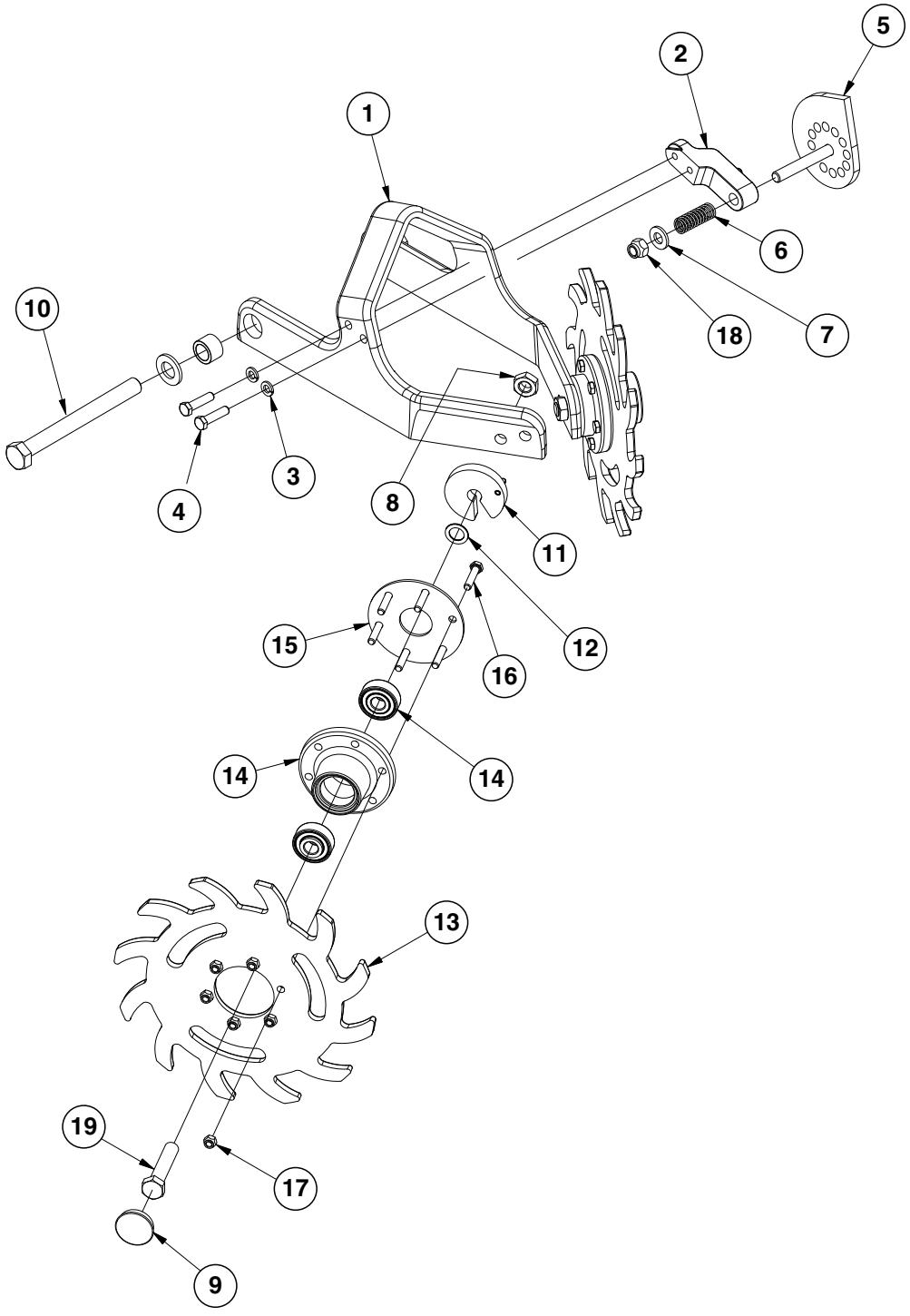
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G10574	8	Carriage Bolt, ½"-13 x 1 ¼"
2	GA24239	1	Arm
3	G10111	8	Lock Nut, ½"-13
4	GD7803 GD7804 GD9254	1 - -	Disc Blade, Fluted, 1", 8 Flutes (Shown) Disc Blade, Bubbled, 1" Disc Blade, Fluted, ¾", 13 Flutes
5	GD11677	2	Adapter
6	GA8641	1	Hub W/Bearing And Retaining Ring (Includes items 7 and 8)
7	GA8603	1	Bearing, Double Row
8	GD19292	1	Retaining Ring (Square), 2 7/16"
9	G10036 G10107	1 1	Hex Head Cap Screw, ⅝"-11 x 4" Lock Nut, ⅝"-11

(RU103dd)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GB0387	1	Wheel, 12 Tine, ⅜" x 12"
2	GA5654	1	Hub W/Bearings
	GA2014	-	Bearing
3	G10133	6	Hex Head Cap Screw, 5/16"-18 x 1½"
	G10109	6	Lock Nut, 5/16"-18, Grade 8
4	GA6838	1	Wheel Mount
5	G10033	2	Hex Head Cap Screw, ½"-13 x 3½"
	G10228	2	Lock Washer, ½"
	G10102	2	Hex Nut, ½"-13
6	GD9720	2	Spacer, ½" x 2 3/16" Long
7	G10371	1	Hex Head Cap Screw, ½"-13 x 3", Full Thread
8	G10501	1	Hex Jam Nut, ½"-13, Grade 2
9	GA6833	1	Upper Link
10	G10574	4	Carriage Bolt, ½"-13 x 1¼"
	G10111	4	Lock Nut, ½"-13
11	GA6832	1	Mount
12	GA6834	1	Lower Link
13	G10348	1	Hex Head Cap Screw, ½"-13 x 5" (Lockup Bolt)
	G10111	1	Lock Nut, ½"-13
14	GD5857	2	Spring
15	GD9715	2	Spacer, ½" x 3" Long
16	G10045	2	Hex Head Cap Screw, ½"-13 x 4½"
	G10228	2	Lock Washer, ½"
	G10102	2	Hex Nut, ½"-13
17	GD9724	1	Backing Plate
18	G10006	1	Hex Head Cap Screw, ⅝"-11 x 2¼"
19	GD1132	1	Dust Cap
A	GA12236	-	Wheel Assembly, 12 Tine, R.H. (Items 1-3 and 18)

(IP1468)



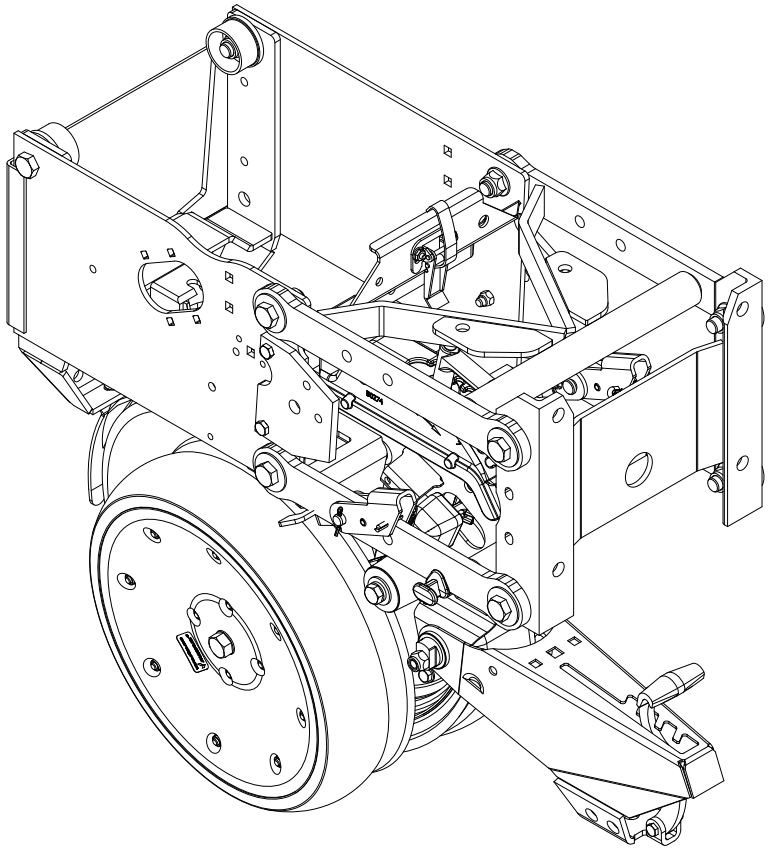
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GB0464	1	Residue Wheel Mount
2	GD26973	1	Cam Locking Pin
3	G10229	2	Lock Washer, ⅜"
4	G10004	2	Hex Head Cap Screw, ⅜"-16 x 1¼"
5	GA27038	1	Row Cleaner Cam
6	GD10519	1	Spring
7	G11389	1	Flat Washer, ½" Plated SAE
8	G10503	2	Hex Jam Nut, ⅝"-11, Grade 2
9	GD1132	2	Dust Cap
10	G11236 G11392 GB0383 G11228	1 2 2 1	Hex Head Cap Screw, ¾"-10 x 10½" Flat Washer, ¾" SAE Bushing, 1⅛" O.D. x ²⁵⁄₃₂" I.D. x ¾" Long Lock Nut, ¾"-10
11	GA8760 G10765	2 -	Weed Guard W/Spring Pin Spring Pin, ¼" x 1" (Included W/GA8760)
12	GD30725	4	Machine Bushing, ⅝" (.030" Thick)
13	GB0387	2	Wheel, 12 Tine, ⅜" x 12"
14	GA5654 GA2014	2 -	Hub W/Bearings Bearing (Included W/GA5654)
15	GD9724	2	Backing Plate
16	G10133	12	Hex Head Cap Screw, ⁵⁄₁₆"-18 x 1½"
17	G10109	12	Lock Nut, ⁵⁄₁₆"-18, Grade 8
18	G10974	1	Lock Nut W/Nylon Insert, ½"-13
19	G10010	2	Hex Head Cap Screw, ⅝"-11 x 3"
A	GA12235	-	L.H. Residue Wheel (Items 13-17)
B	GA12236	-	R.H. Residue Wheel (Items 13-17)

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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.

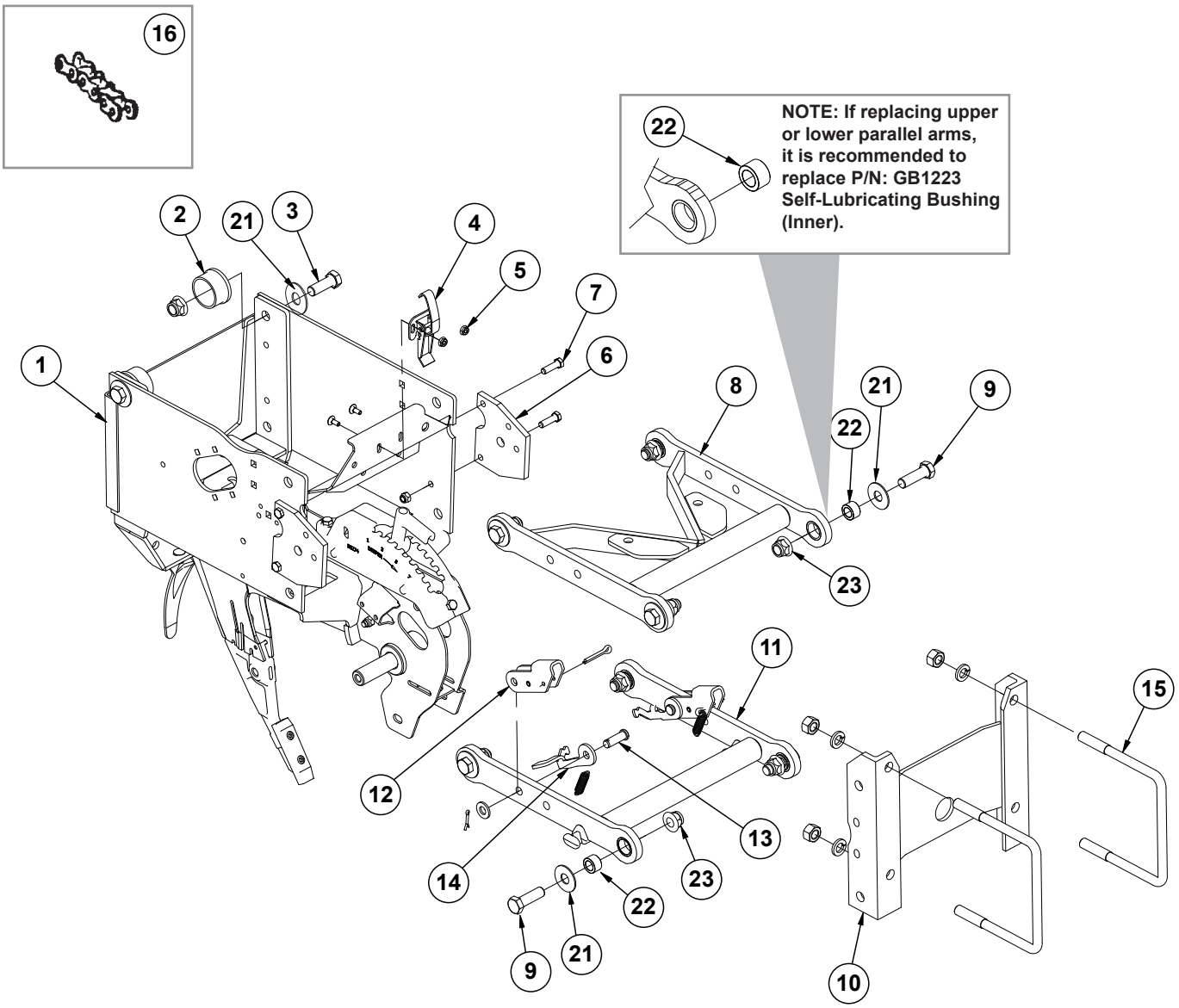
See “Shank Assembly, Seed Tube, and Depth Adjustment” on page P2
See “Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Force Springs Option” on page P4
See “15” Seed Opener Disc Blade/Bearing Assembly and Scrapers” on page P6
See “Gauge Wheels” on page P8
See ““V” Closing Wheels” on page P10
See “Hopper Support and Meter Drive” on page P12
See “Seed Hopper and Lid” on page P15

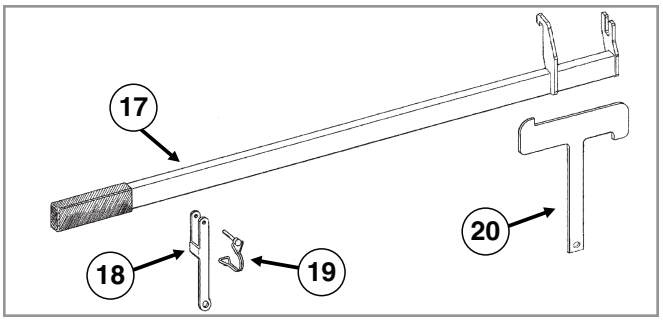
NOTE: Row unit assembly does not include the following: seed meter assembly, seed tube assembly, row unit hopper assembly, closing wheels, or seed meter clutch.



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)

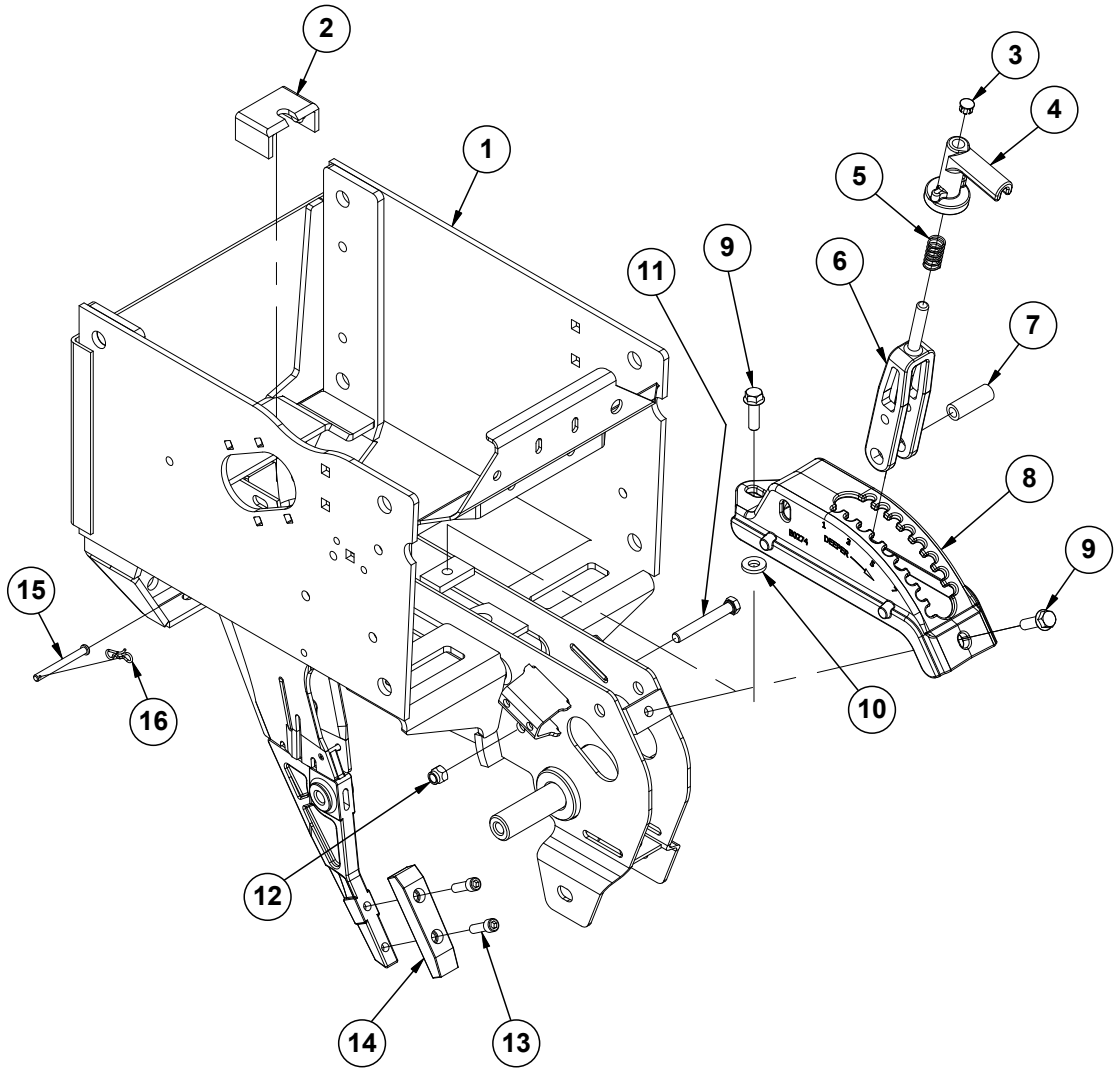
NOTE: Push row units use the same seed tube, row unit depth adjustment components, quick adjustable down force springs, 15" opener disc blades, gauge wheels, closing wheels, meter drive and seed hopper as the pull row unit. See those pages for common parts.





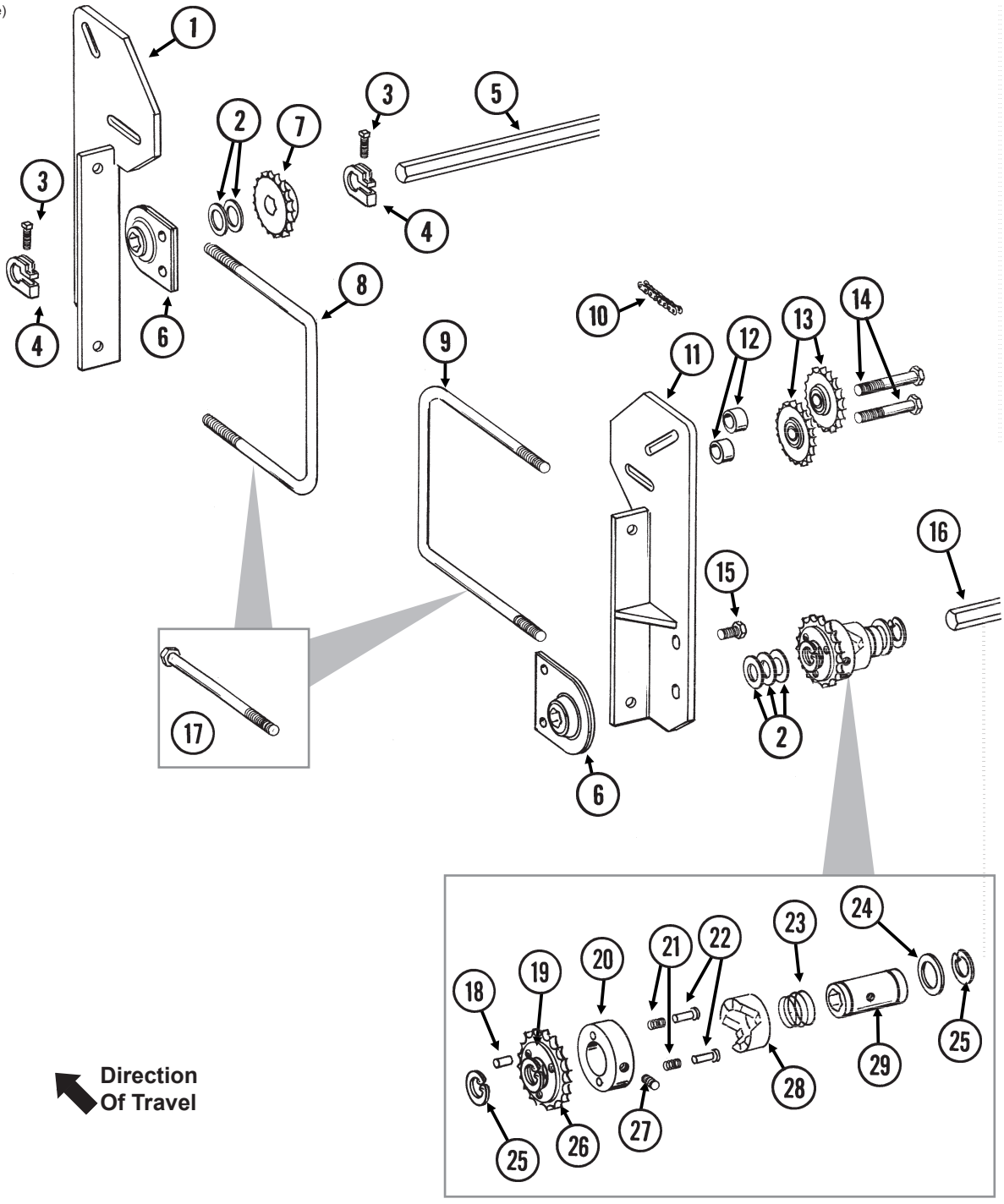
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	1	See “Shank and Depth Adjustment (Split Row)” on page P36
2	GB0314	2	Hopper Mount
3	G10751 G11514	2 2	Hex Head Cap Screw, ⅝”-18 x 1¾” Lock Nut, ⅝”-18
4	GA2007	1	Hopper Hold Down Latch
5	G10621 G10309	2 2	Serrated Flange Nut, ¼”-20 Carriage Bolt, ¼”-20 x ⅝”, Grade 5
6	GD24545	2	Row Unit Stop
7	G10004 G10108	4 4	Hex Head Cap Screw, ⅜”-16 x 1¼” Lock Nut, ⅜”-16
8	G10011301 GB1224	1 -	Upper Parallel Arm Assembly Self-Lubricating Bushing (Included W/G10011301)
9	G10732	4	Hex Head Cap Screw, ⅝”-18 x 2”
10	GA11971	1	Mounting Plate
11	G10011401 GB1224	1 -	Lower Parallel Arm Assembly Self-Lubricating Bushing (Included W/G10011301)
12	GD11264 G10718 G10463 GD25569	1 2 2 2	Lockup Spring Pin, 5/16" x 1⅛" Cotter Pin, ¼” x 1½” Spring
13	G10284 G11389 G10451	2 2 2	Clevis Pin, ½” x 1½” Flat Washer, ½” Plated SAE Cotter Pin, ⅛” x 1”
14	GD25568 GD29459	1 1	Spring Mount Tab, L.H. Spring Mount Tab, R.H.
15	GD1113 G10230 G10104	2 4 4	U-Bolt, 5” x 7” x ⅝”-11 (Push Units/Front Rows) Lock Washer, ⅝” Hex Nut, ⅝”-11
16	G3303-96 GR0196	1 1	Chain, No. 41, 96 Pitch Including Connector Link Connector Link, No. 41
17	GA24889 GD11649	-	Lift Lever W/Boot Boot (Included W/GA24889)
18	GD35471	1	Bracket (Lift Lever)
19	GD9695	1	Wire Lock Pin, ¼" x 1¾"
20	GD35472	1	Mount
21	G11976	10	Flat Washer, ⅝” x 1¾”
22	GB1223	8	Self-Lubricating Bushing
23	G11514	8	Lock Nut, ⅝”-18
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)



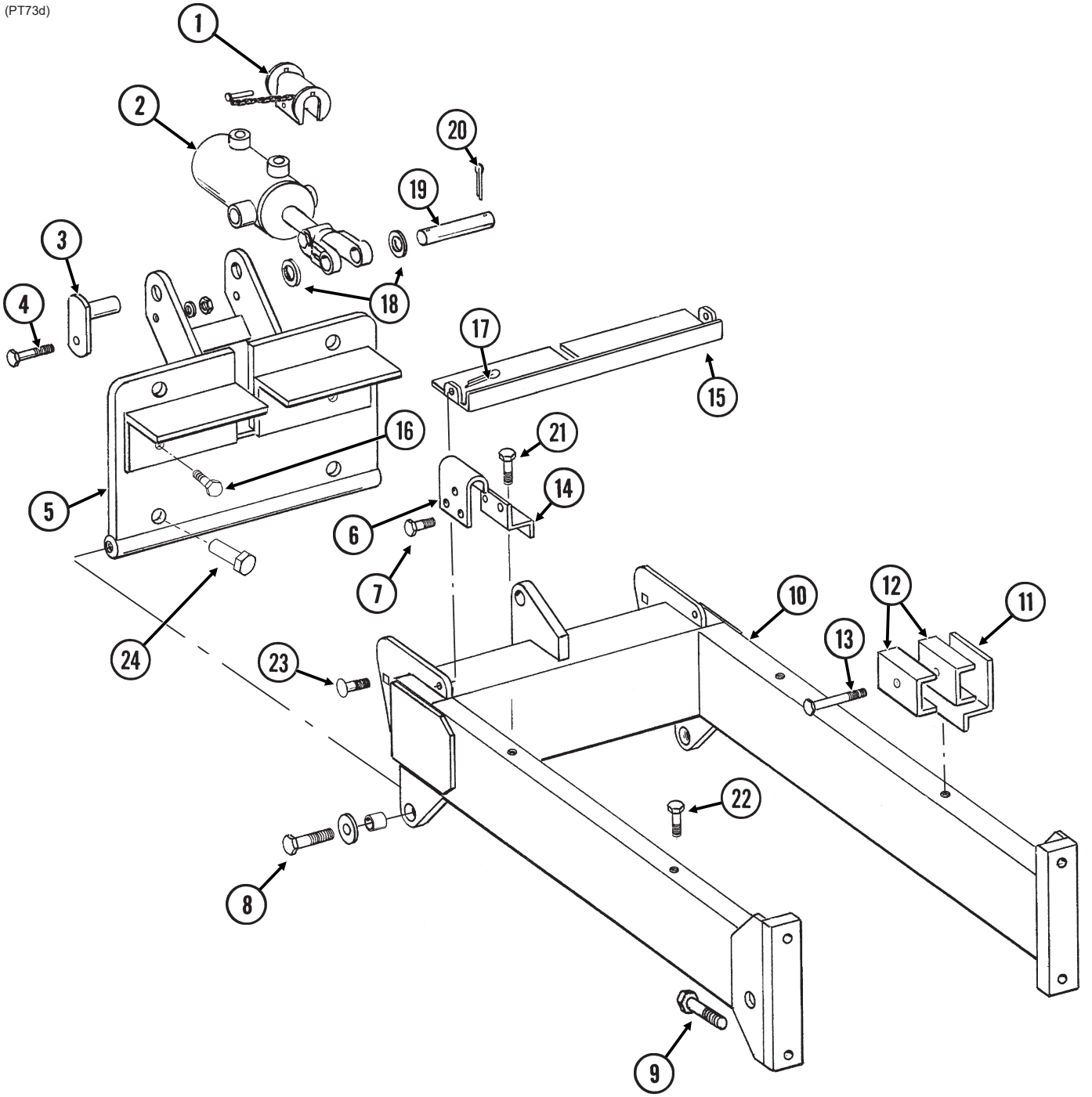
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GA26297	1	Push Row Unit Shank
2	GD16245	1	Sun Shade (Rubber)
3	GD3612	1	Cap Plug
4	GB0266	1	Handle, Depth Adjustment
5	GD10993	1	Spring
6	GB0267	1	Lever, Depth Adjustment
7	GD11259	1	Sleeve, ⅜" I.D. x ⅝" O.D. x 1²⁵/₃₂" Long
8	GB0274	1	Cover, Depth Adjustment
9	G11015	2	Hex Washer Head Cap Screw, ⅜"-16 x 1¼"
10	G10207	1	Washer, ⅞" O.D. x ¹³/₃₂" I.D. x .134"
11	G11592	1	Hex Head Cap Screw, ⅜"-24 x 2¾", Grade 8
12	G11591	1	Nylon Lock Nut, ⅜"-24, Grade C
13	G10500901	2	Hex Socket Head Cap Screw, ⁵/₁₆"-18 x 1"
14	G10038601	1	Scraper
15	G10551	1	Clevis Pin, ¼" x 2½"
16	G10122301	1	Bow Tie Cotter Pin

PTD093(PT75e)



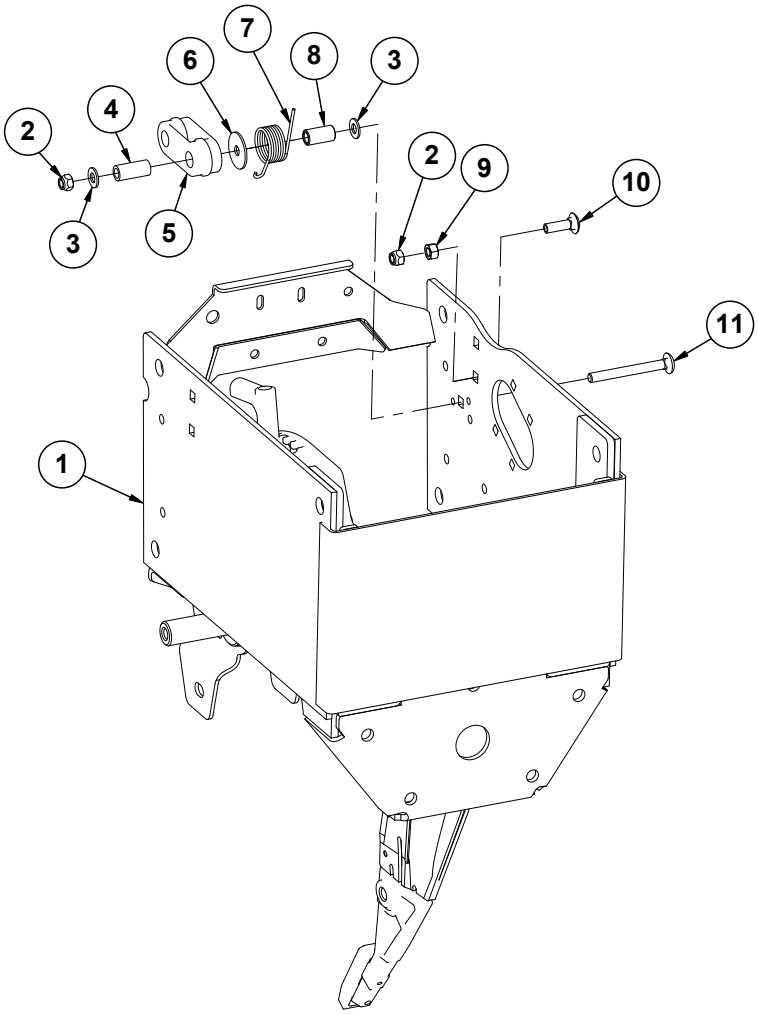
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA8717	1	Front Mount
2	G10233	5	Machine Bushing, 1", 10 Gauge
3	G10130	2	Square Head Machine Bolt, 5/16"-18 x 1¾"
	G10923	2	Flange Nut, 5/16"-18, No Serration
4	GD11045	2	Lock Clamp
5	GD0914-84	1	Hex Shaft, ⅞" x 84" (No Holes), 4 Row 30"
	GD0914-144	-	Hex Shaft, ⅞" x 144" (No Holes), 6 Row 30"
	GD0914-205	-	Hex Shaft, ⅞" x 205" (No Holes), 8 Row 30"
6	GA2180	2	Hanger Bearing, ⅞" Hex Bore
7	GA5107	1	Sprocket, 19 Tooth
8	GD11721	1	U-Bolt, 5" x 7" x ½"-13 (Double Frame Planters)
	G10228	2	Lock Washer, ½"
	G10102	2	Hex Nut, ½"-13
9	GD7145	1	U-Bolt, 7" x 7" x ½"-13 (Double Frame Planters)
	G10228	2	Lock Washer, ½"
	G10102	2	Hex Nut, ½"-13
10	G3310-138	1	Chain, No. 40, 138 Pitch Including Connector Link (Single Frame Planters)
	G3310-252	-	Chain, No. 40, 252 Pitch Including Connector Link (Double Frame Planters)
	GR0912	-	Connector Link, No. 40
11	GA8716	1	Rear Mount
12	GD9229	4	Spacer, 1¼" O.D. x ½" Long
13	GA7154	4	Sprocket W/Bearing, 18 Tooth
14	G10581	4	Hex Head Cap Screw, ½"-13 x 2¼"
	G10168	4	Machine Bushing, ½", 7 Gauge
	G10228	4	Lock Washer, ½"
	G10102	4	Hex Nut, ½"-13
15	G10001	-	Hex Head Cap Screw, ⅜"-16 x 1"
	G10229	-	Lock Washer, ⅜"
	G10101	-	Hex Nut, ⅜"-16
16	---	-	
17	G10909	2	Hex Head Cap Screw, ½"-13 x 9" (Single Frame Planters)
	G10228	2	Lock Washer, ½"
	G10102	2	Hex Nut, ½"-13
18	G10968	1	Spring Pin, 5/32" x 7/16"
19	GR1406	1	Bushing
20	GR1405	1	Lock Collar
21	GR1413	2	Spring
22	GR1410	2	Pin
23	GR1408	1	Compression Spring
24	GR1411	1	Shim
25	G10496	2	External Inverted Snap Ring, 1½"
26	GR1412	1	Sprocket, 19 Tooth
27	G10535	1	Hex Socket Set Screw, ⅜"-16 x ¾"
28	GR1409	1	Knurled Collar
29	GR1407	1	Drive Shaft
A	GA8092	-	Clutch Sprocket Assembly, 19 Tooth (Items 18-29)
B	G1K269	-	Lock Clamp Kit (Items 3 and 4)
C	G1K331	-	Clutch Sprocket Kit (Items 18, 19 and 26)

(PT73d)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA9872	1	Lockup W/Pin
2	---	-	See “Split Row Lift Cylinder” on page P127
3	GA6761	2	Pin
4	G10581 G11389 G10111	2 2 2	Hex Head Cap Screw, ½"-13 x 2¼" Flat Washer, ½" SAE Lock Nut, ½"-13
5	GA8487	1	Hinge
6	GD7944	1	Mount
7	G10001 G10229 G10101	2 2 2	Hex Head Cap Screw, ⅜"-16 x 1" Lock Washer, ⅜" Hex Nut, ⅜"-16
8	G10645 G11394 GD11535	2 2 2	Hex Head Cap Screw, 1"-8 x 3", Grade 8 Flat Washer, 1" SAE Bushing, 1½" O.D.
9	---	-	See “Hitch and Frame Assembly/Safety Chain” on page P60
10	GA8488 G10640	1 -	Hitch Extension W/Grease Fittings, 4 Row 30", 6 Row 30" and 8 Row 30" Grease Fitting, ¼"-28 (Included W/GA8488)
11	GD11657	2	Mount
12	GD6027	4	Hose Clamp, ¾" x 2 ½" x 2½"
13	G10325 G10108	2 2	Hex Head Cap Screw, ⅜"-16 x 2¾" Lock Nut, ⅜"-16
14	GD11662	1	Mounting Bracket
15	GA8676	1	Shield
16	G10428	2	Hex Head Cap Screw, ⅝"-11 x ¾"
17	G10451	2	Cotter Pin, ⅛" x 1"
18	G11396	2	Flat Washer, 1¼" SAE
19	GD11559	1	Pin, 1¼" x 4⅞"
20	G10460	2	Cotter Pin, ¼" x 2"
21	G10001 G10229 G11387	3 3 3	Hex Head Cap Screw, ⅜"-16 x 1" Lock Washer, ⅜" Flat Washer, ⅜" SAE
22	G10001	1	Hex Head Cap Screw, ⅜"-16 x 1"
23	G10574 G11389 G10111	2 2 2	Carriage Bolt, ½"-13 x 1¼" Flat Washer, ½" SAE Lock Nut, ½"-13
24	G10822 G10396	4 4	Hex Head Cap Screw, 1”-8 x 4”, Grade 8 Lock Nut, 1”-8, Grade 8

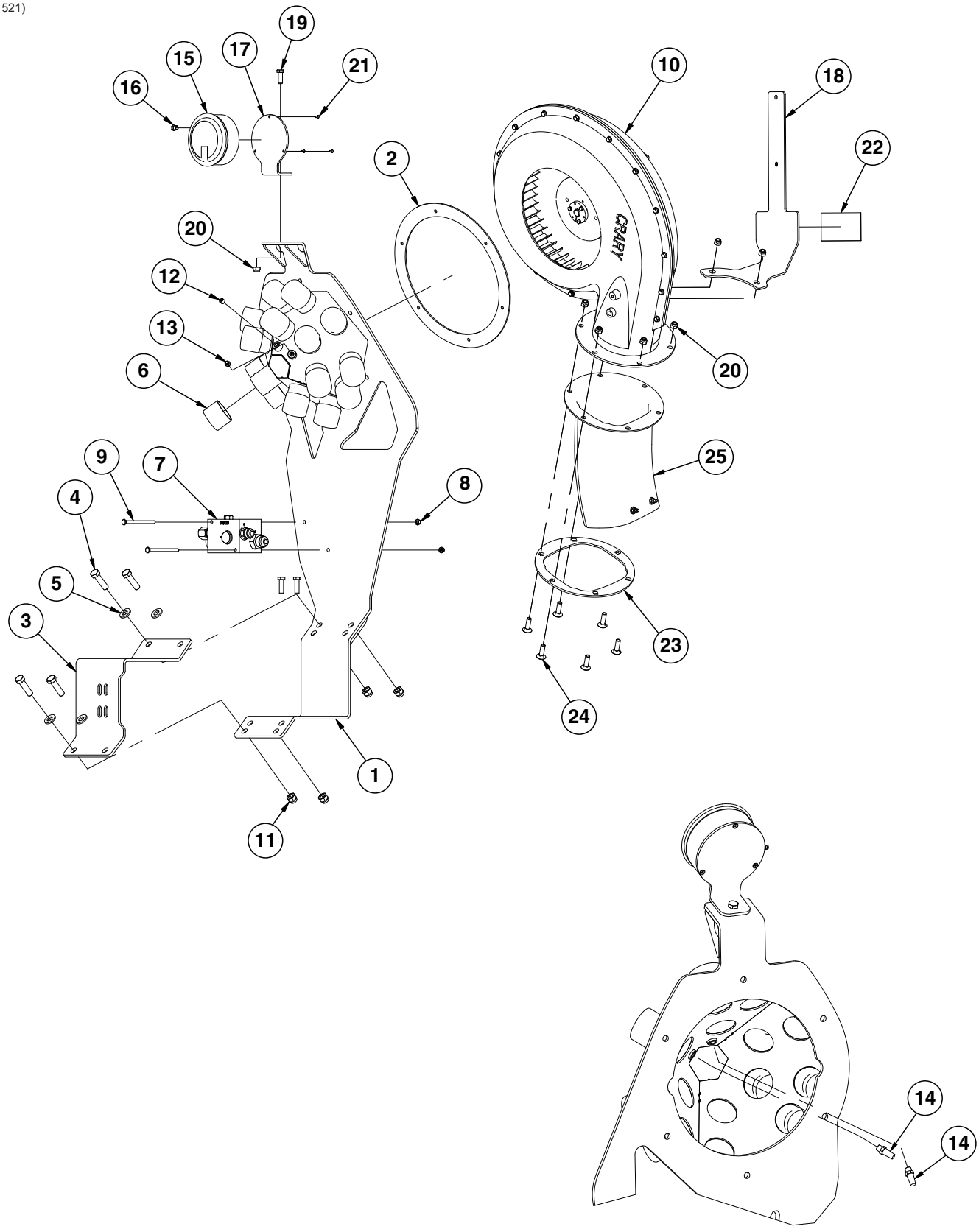
(IP1586)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	1	See “Shank and Depth Adjustment (Split Row)” on page P36
2	G10108	2	Lock Nut, ⅜”-16
3	G11387	2	Flat Washer, ⅜” SAE
4	GD8893-01	1	Sleeve, 1⅜” Long
5	GB0968	1	Idler
6	G10201	1	Special Washer, ⅜” x 1½” O.D.
7	GD11218	1	Spring
8	GD1026	1	Sleeve, 1¾₁₆” Long
9	G10101	1	Hex Nut, ⅜”-16
10	G10599	1	Carriage Bolt, ⅜”-16 x 1¼”
11	G10307	1	Carriage Bolt, ⅜”-16 x 3½”

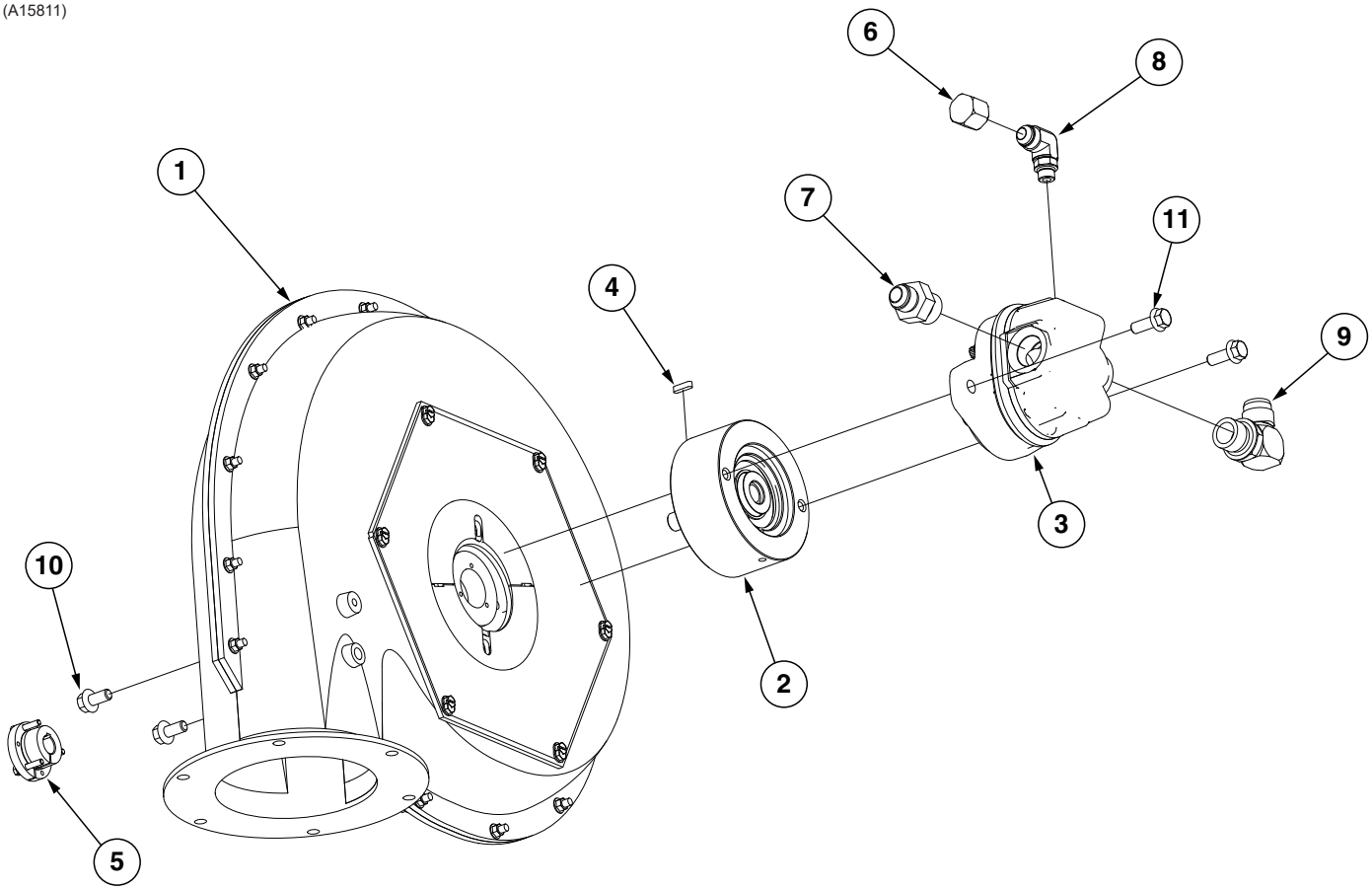
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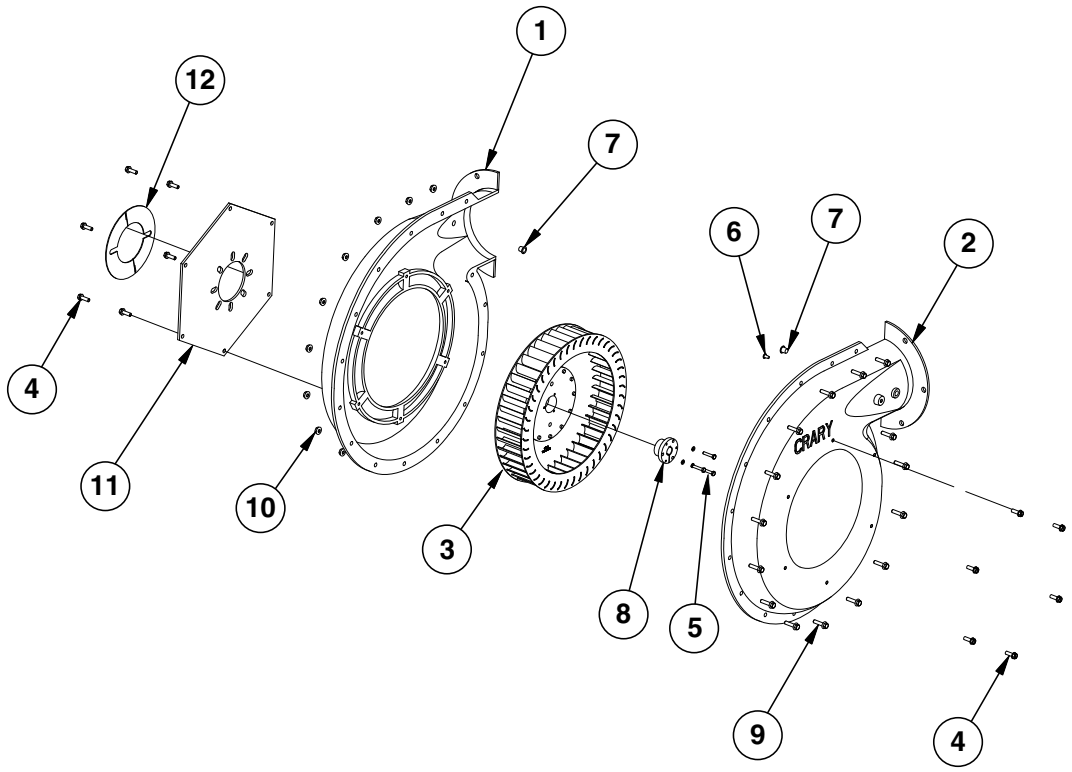
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA15818	1	Vacuum Manifold
2	GD26697	1	Fan Gasket
3	GD27408	1	Clamp Mount
4	G10039	4	Hex Head Cap Screw, ½"-13 x 1¾"
5	G11389	4	Flat Washer, ½" Plated SAE
6	G11147	15	Cap, 2"
7	---	-	See “Vacuum Fan Override Valve Block” on page P133
8	G10110	2	Lock Nut, ¼"-20, Grade B
9	G11135	2	Hex Head Cap Screw, ¼"-20 X 3¾"
10	---	-	See “Vacuum Fan With Hydraulic Motor” on page P46
11	G10974	4	Lock Nut W/Nylon Insert, ½"-13
12	GR1777	1	Hose Barb, 3/16" x ⅛" NPT
13	GD19079	1	Plug, ⅛" NPT
14	GA19018	2	Air Filter, ⅛" NPT
15	GA10765 GR1777	1 -	Analog Vacuum Gauge W/Hose Barb Hose Barb, 3/16" x ⅛" NPT
16	GA10799	1	Breather, ⅛" Male NPT
17	GD15804	1	Mount
18	GD27401	1	SMV Mount
19	G10001	1	Hex Head Cap Screw, ⅜"-16 x 1"
20	G10108	7	Lock Nut, ⅜"-16
21	G11215	3	Hex Socket Head Cap Screw, No. 6-32 x ⅜", Grade 8
22	G7100-392	1	Decal, Caution
23	GD27181	1	Fan Diffuser Gasket
24	G10599	6	Carriage Bolt, ⅜"-16 x 1¼"
25	GD27402 GA15812 G11329 G11385 G11320	1 1 2 4 2	Exhaust Fan Diffuser Screen Hex Head Cap Screw, ¼"-20 x 6½" Flat Washer, ¼" SAE Lock Nut, ¼"-20, Grade B

(A15811)



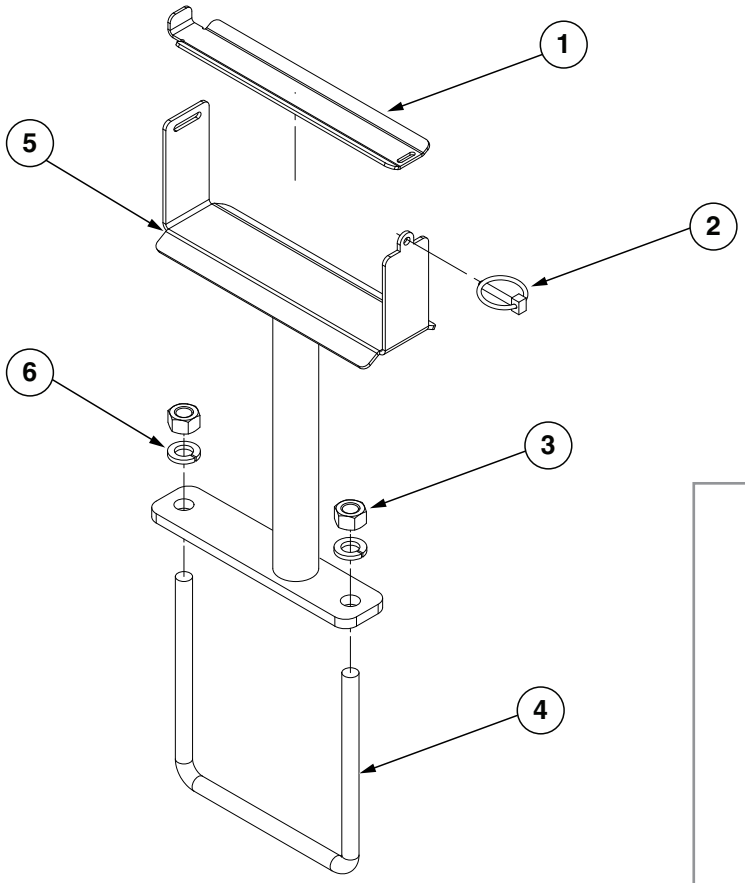
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA14573	1	See “Vacuum Fan Assembly” on page P47
2	GA15452	1	Overhung Load Adapter
3	GA14574	1	Hydraulic Motor
4	GD21300	1	Key
5	GR1961	1	Bushing, ⅝"
6	G304-C-8	1	Cap Nut, ¾"-16
7	G6400-10-12 GR1467	1 -	Connector W/O-Ring, ⅞"-14 Male JIC To 1 1/16"-12 O-Ring O-Ring
8	G6801-08-06 GR1045	1 -	Elbow W/O-Ring, 90°, ¾"-16 Male JIC To 9/16"-18 O-Ring O-Ring
9	G6801-12 GR1467	1 -	Elbow W/O-Ring, 90°, 1 1/16"-12 Male JIC To O-Ring O-Ring
10	G11123	2	Hex Serrated Flange Cap Screw, ⅜"-16 x ¾"
11	G11124	2	Hex Serrated Flange Cap Screw, ⅜"-16 x 1"
A	GR1960	-	Fan Motor Seal Kit

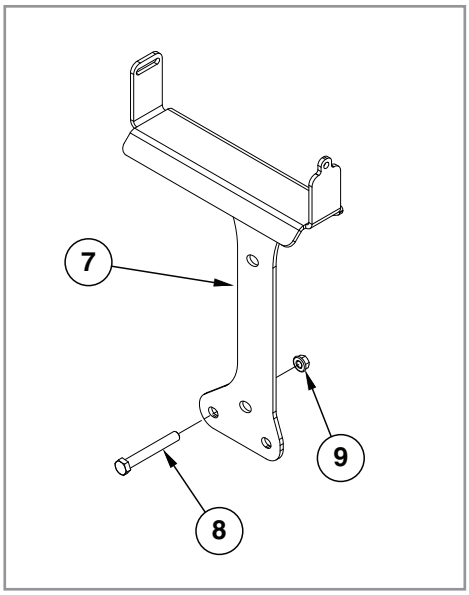
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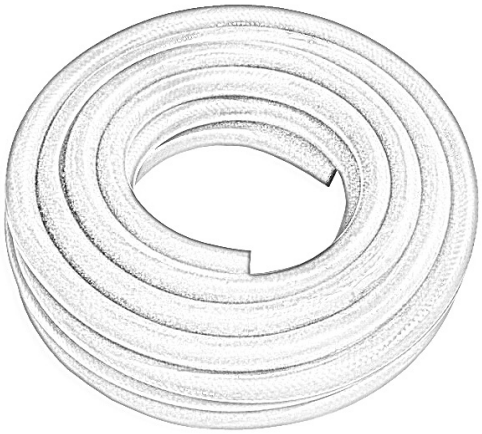
ITEM	PART NO.	QTY.	DESCRIPTION
1	GR1971	1	Flanged Inner Case
2	GR1970	1	Flanged Outer Case
3	GR2109	1	Impeller
4	G10988	12	Hex Non-Serrated Flange Cap Screw, ¼"-20 x ¾"
5	G11518 G10243	3 3	Hex Head Machine Screw, #10-24 x 1" Washer, No. 10 SAE
6	GR1978	1	Plastic Plug, ¼"
7	GR1979	2	Plastic Plug, 7⁄16"
8	GR1961	1	Bushing, ⅝"
9	G11409	15	Hex Serrated Flanged Cap Screw, ¼"-20 x 1"
10	G10621	15	Serrated Flange Nut, ¼"-20
11	GR1969	2	Backing Plate
12	GR1968	2	Cover Plate
A	GR1960	-	Fan Motor Seal Kit
B	GA14573	-	Fan Assembly (Flanged) (Items 1-7 and 9-12)

(TP1321a)

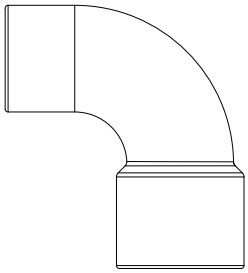




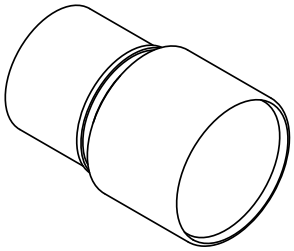
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD26538	1	Hose Support Bracket
2	GD2558	1	Lynch Pin, ¼"
3	G10104	2	Hex Nut, ⅝"-11
4	GD1114	1	U-Bolt, 7" x 7" x ⅝"-11
5	GA15814	1	Hose Support
6	G10230	2	Lock Washer, ⅝"
7	GD35890	1	Hose Support Bracket (Wheel Module)
8	G10004	2	Hex Head Cap Screw, ⅜"-16 x 1¼"
9	G10622	2	Serrated Flange Nut, ⅜"-16



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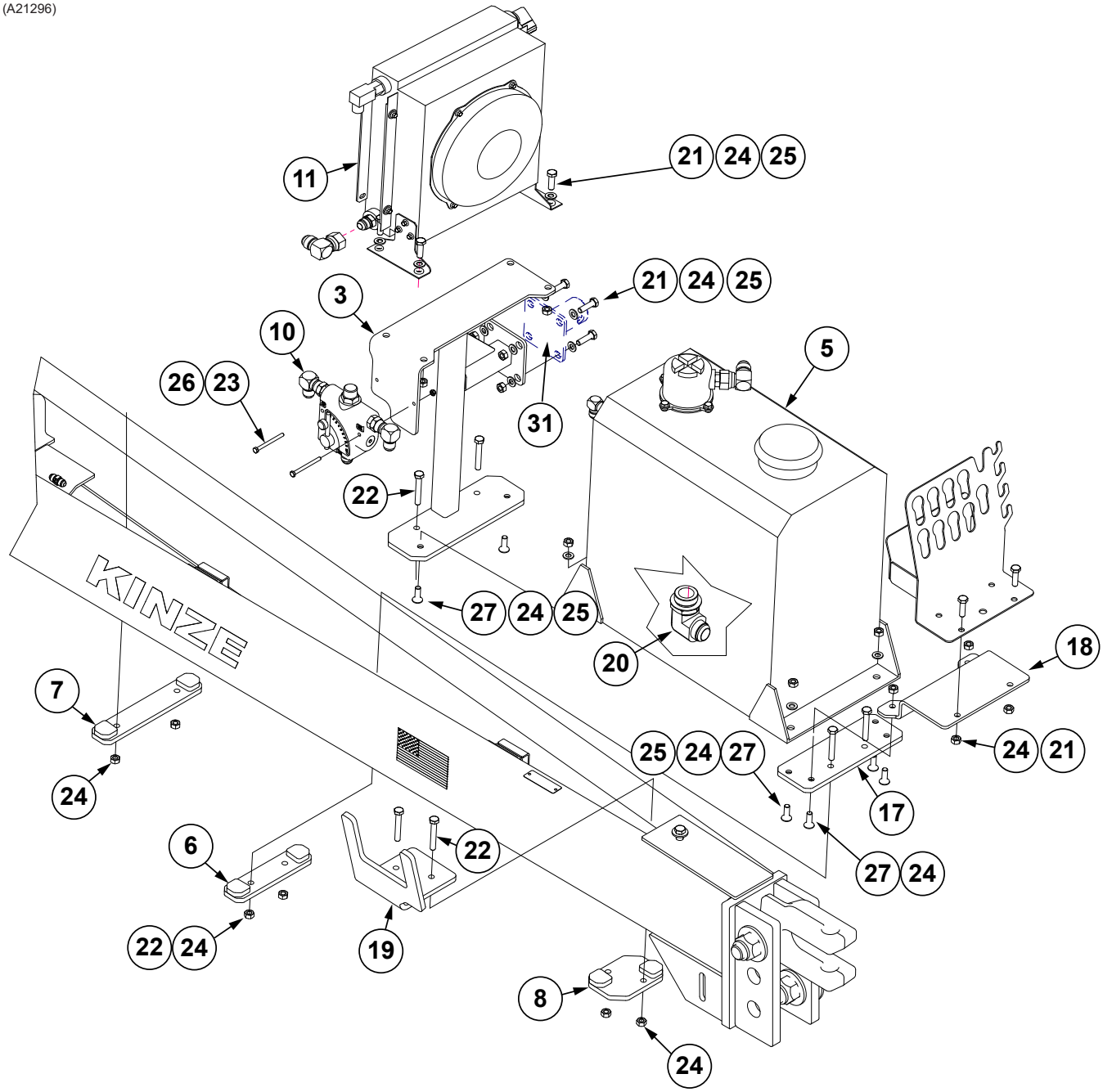
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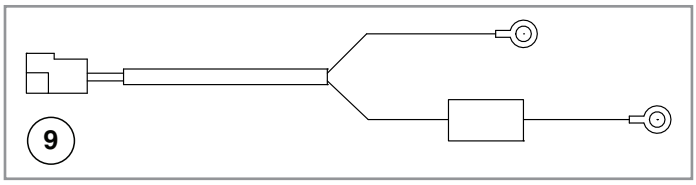


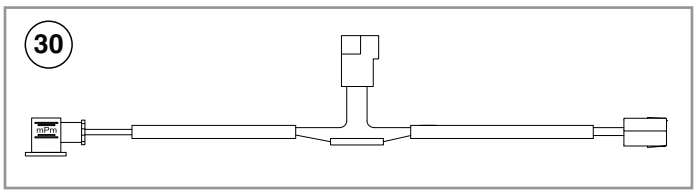
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ITEM	PART NO.	QTY.	DESCRIPTION
1	GD15792-18	-	Vacuum Hose, 2” x 50’
2	GD14626	-	90° Elbow, 2”
3	GD14627	-	Coupler, 2"

(A21296)

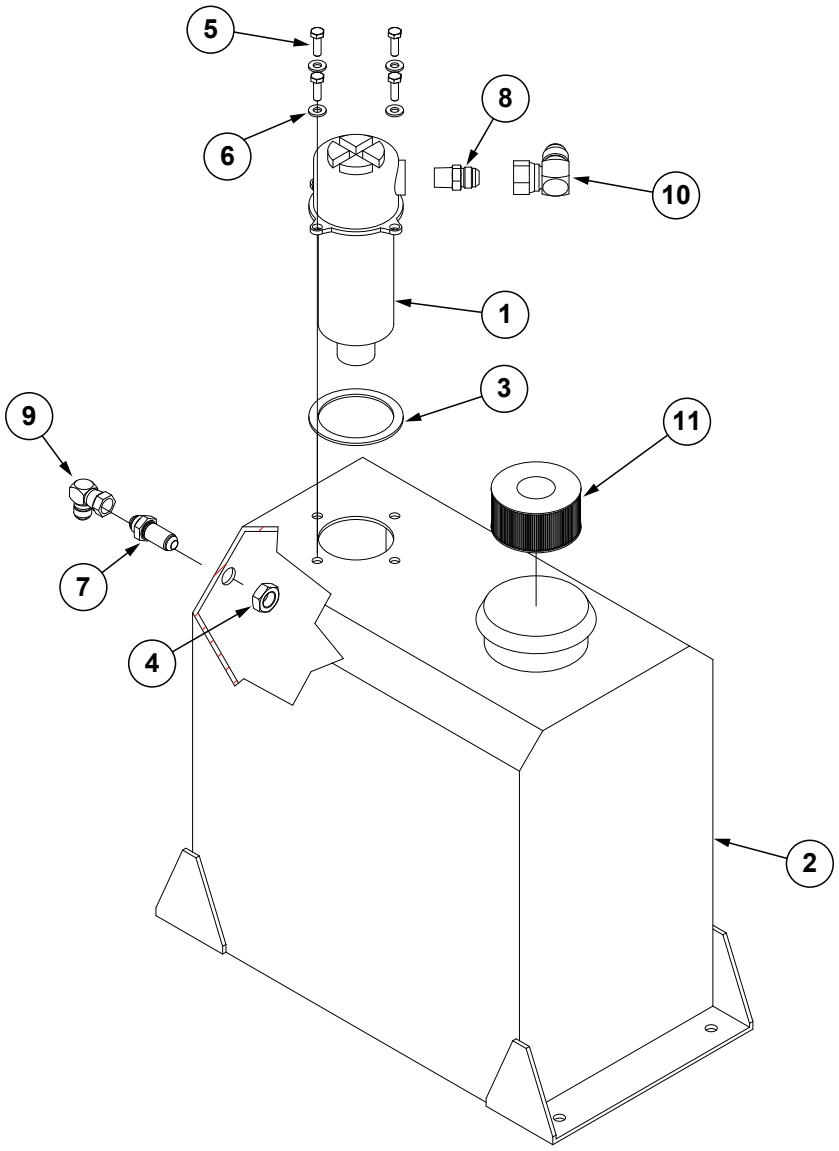

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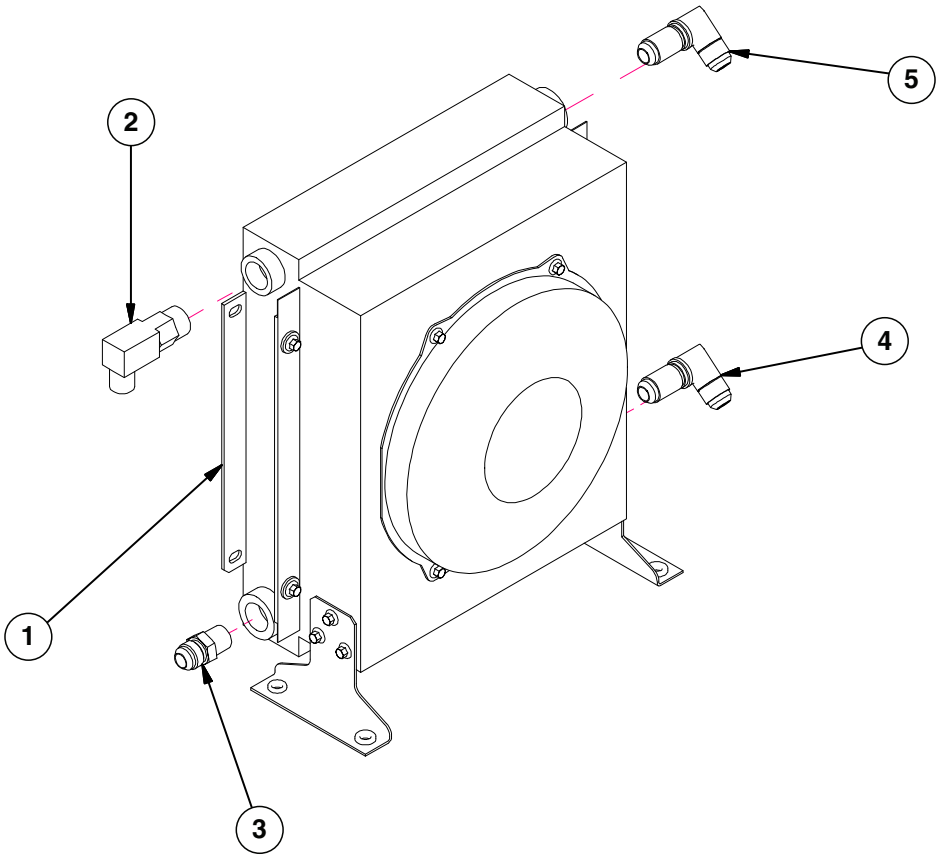
ITEM	PART NO.	QTY.	DESCRIPTION
1	*A22783-1575	1	Hose Assembly, ⅝" x 1575 mm (12F-12F)
2	*A22774-3250	1	Hose Assembly, ½" x 3250 mm (10F - 10F))
3	GA21297	1	Cooler Support
4	*A22783-600	1	Hose Assembly, ⅝" x 600 mm (12F-12F)
5	---	1	See “Hydraulic Tank” on page P52
6	GA22225	1	Front PTO Mount
7	GA22226	1	Rear PTO Mount
8	GA22227	1	PTO Storage Mount
9	G10979301	1	PTO Cooler Harness
10	GA22305	1	See “Bypass Valve Kit” on page P132
11	---	1	See “Cooler Fan Assembly” on page P53
12	---	-	---
13	---	-	See “MTZ PTO Pump” on page P54 See “PTO Pump” on page P55
14	*A22766-2550	1	Hose Assembly, ⅜" x 2550 mm (08F - 08F)
15	*A22774-1480	1	Hose Assembly, ½" x 1480 mm (10F - 10F)
16	*A22774-600	1	Hose Assembly, ½" x 600 mm (10F - 10F)
17	GD30920	1	Mounting Plate
18	GD33279	1	Hose Holder Support
19	GD31442	1	PTO Pump Storage Plate
20	G3801-16-20	1	90˚ Elbow, 1⅝”-12 JIC to 1-¼”-12 BSP O-Ring
21	G12000-35	10	Hex Head Cap Screw, M10-1,5 x 35
22	G12000-65	6	Hex Head Cap Screw, M10-1,5 x 65
23	G12004-70	2	Hex Head Cap Screw, M6-1.0 x 70
24	G12032	22	Hex Nut, M10-1,5
25	G12038	16	Flat Washer, M10
26	G12101	2	Hex Lock Nut, M6-1.00
27	G12183-30	6	Hex Flat Head Cap Screw, M10-1.5 x 30, CL 8.8
28	G6500-10	1	Swivel Elbow, 90°, ⅞"-14 Male JIC To Female
29	G6500-12	2	Swivel Elbow, 90°, 1 1/16"-12 Male JIC To Female
30	GA23992	1	PTO Cooler Harness
31	GA5187	1	Jack Mount

(A22223)



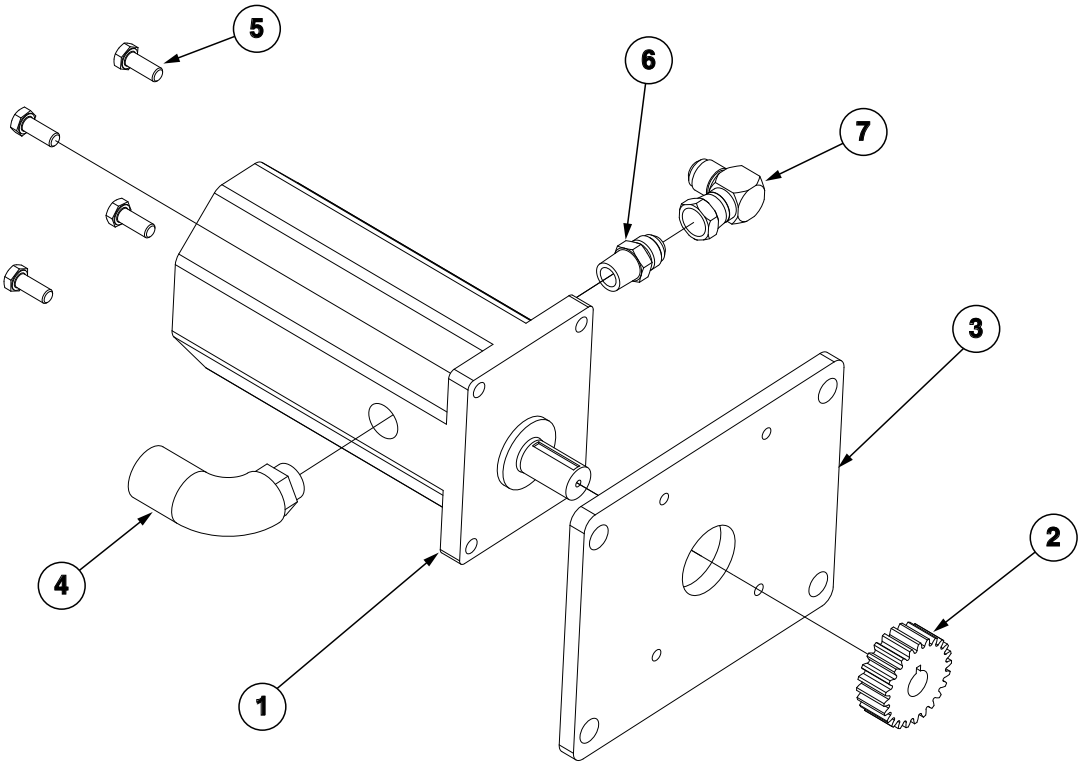
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA21197	1	Return Line Filter
2	GA21295	1	Tank, 60 l
3	GD31439	1	Filter Gasket
4	G10176	1	Hex Jam Nut, ¾"-16 Grade 2
5	G12003-25	4	Hex Head Cap Screw, M8-1,25 x 25
6	G12081	4	Flat Washer, M8
7	G2700-08	1	Bulkhead Tube Union, ¾"-16 Male JIC
8	G3800-12-12	1	Adapter, ¾"-14 BSP x 1 1/16"-12 JIC
9	G6500-08	1	Swivel Elbow, 90°, ¾"-16 Male JIC To Female
10	G6500-12	1	Swivel Elbow, 90°, 1 1/16"-12 Male JIC To Female
11	GA25474	1	Filter

(A22306)



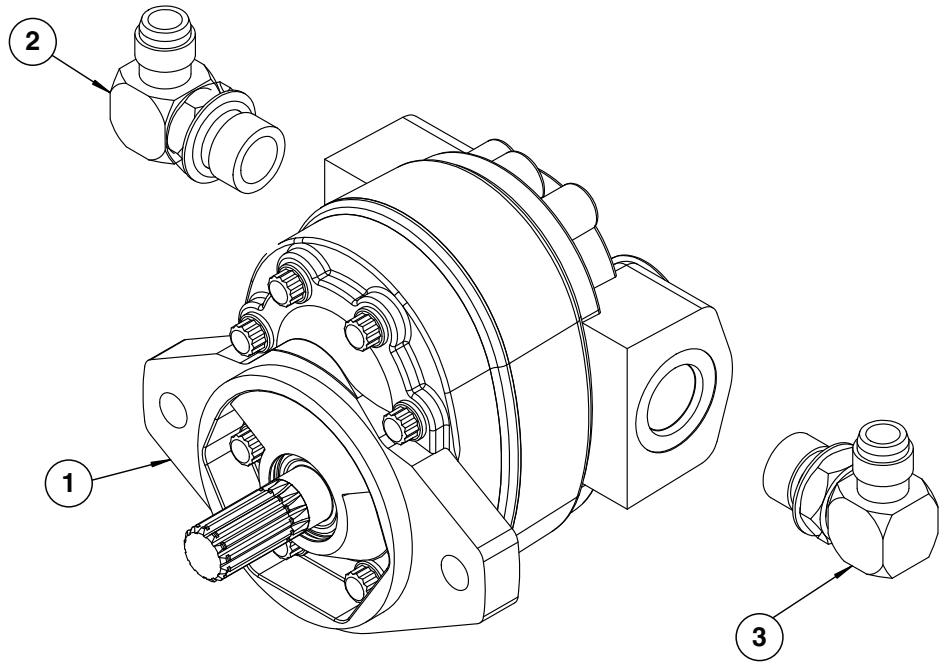
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10253701	1	Oil Cooler Assembly
2	GA22221	1	Thermostat
3	G3800-12-12	1	Male Adapter, ¾"-14 BSP x 1 1/16"-12 JIC
4	G3801-10-08	1	90˚ Elbow, ½"-12 BSP to ⅞"-14 JIC
5	G3801-12-12	1	90˚ Elbow, ¾"-14 BSP to 1 1/16"-12 JIC

(A22308)



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°, ⅞"-14 Male JIC To Female

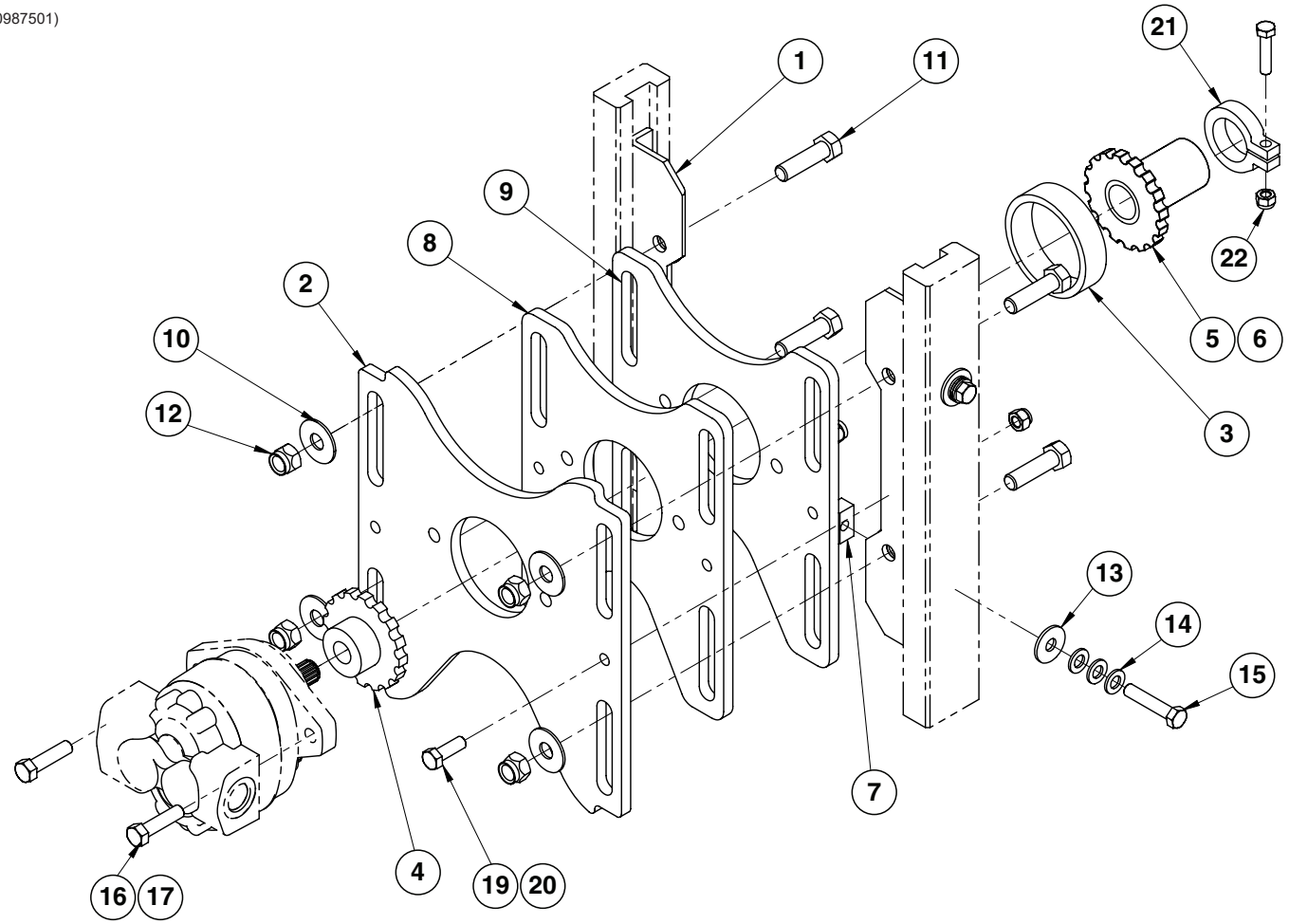
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ITEM	PART NO.	QTY.	DESCRIPTION
1	GA14446	1	PTO Pump
2	G6801-10-12	1	Elbow W/O-Ring, 90°, 7/8”-14 Male JIC To 1 1/16”-12 O-Ring
3	G6801-16-20	1	Elbow W/O-Ring, 90°, 1-5/16”-12 Male JIC To 1-5/8”-12 O-Ring

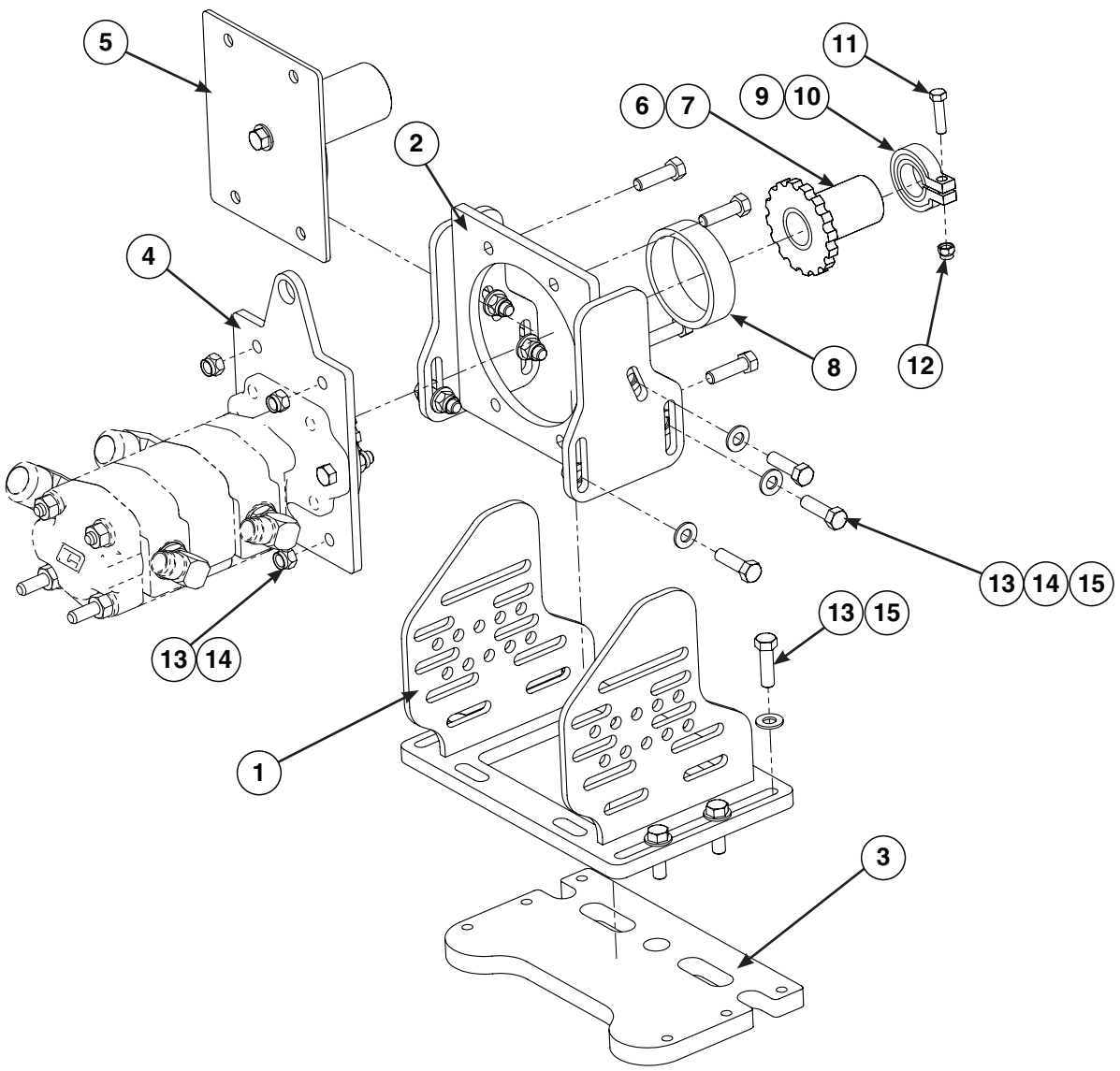
PTO Gear Pump Mount Assembly (Before 2025)

(10987501)



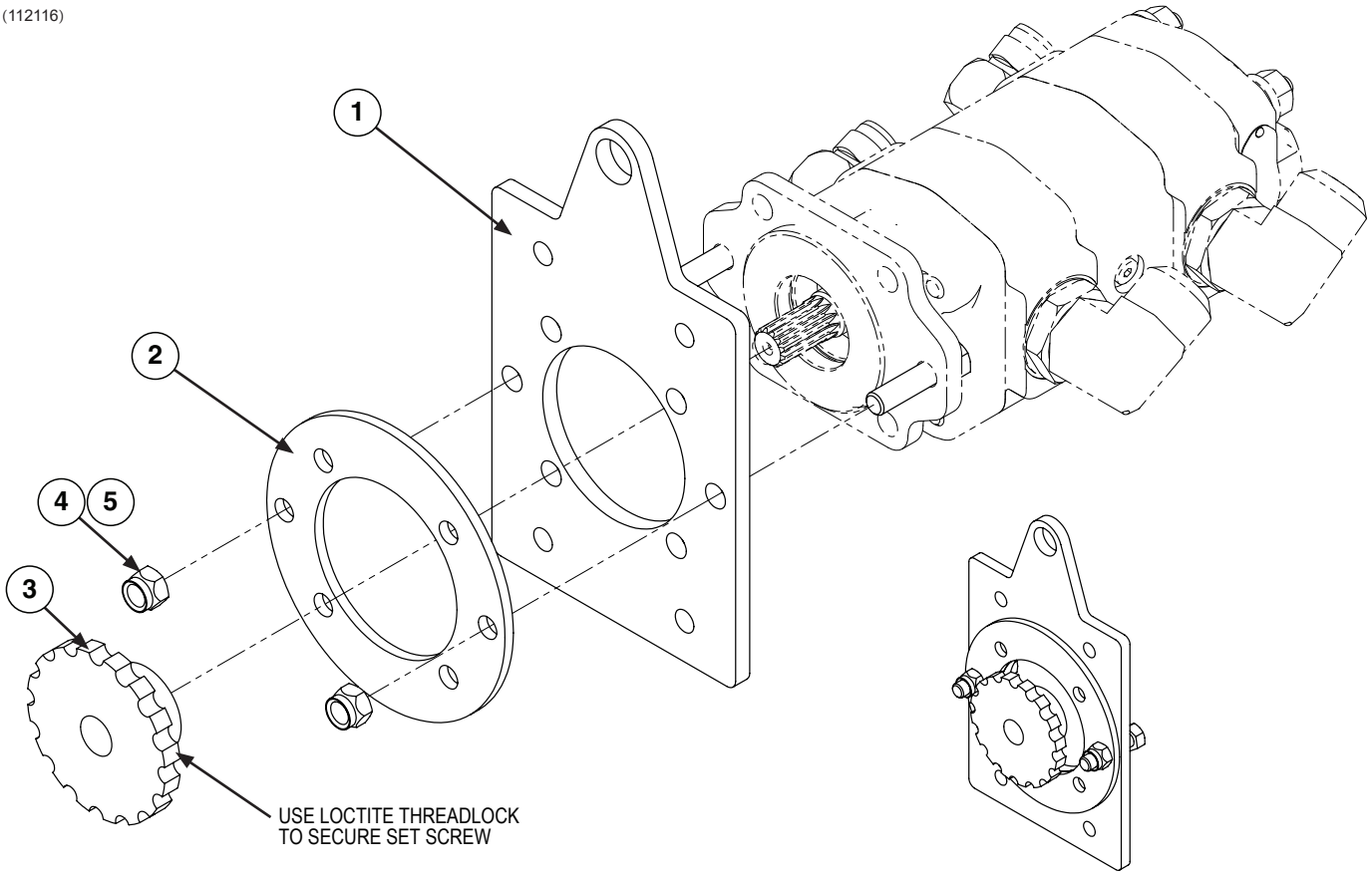
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10985501	2	Rail Mount
2	G10985301	1	Pump Mount Plate, 39 cm
3	G10984801	1	Chain with Link
4	G10984701	1	Sprocket, 16 Tooth
5	G10985001	1	Long Sprocket, 16 Tooth, 1-3/4” x 20 Spline
6	G10984901	1	Long Sprocket, 16 Tooth, 1-3/8” x 21 Spline
7	G10985401	4	Rail Mount Nut
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 ¼”
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, ½”-13 x 2”
17	G10111	2	Lock Nut, ½”-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)



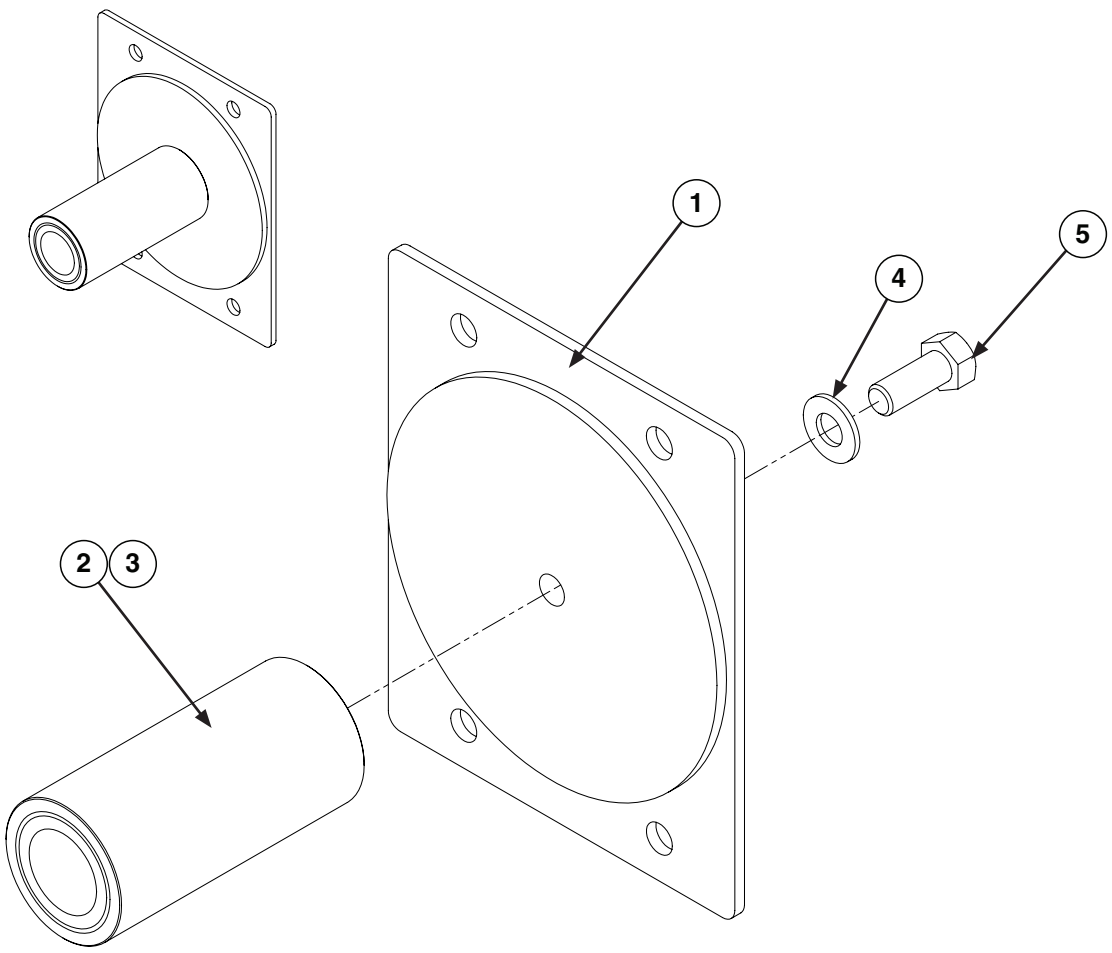
ITEM	PART NO.	QTY.	DESCRIPTION
1	G11211901	1	Tractor Mount
2	G11211801	1	Adapter Mount
3	G11211701	1	Plate
4	G11211601	1	See “Pump with Mount Adapter” on page P58
5	G11211501	1	See “Guide Tool” on page P59
6	G10984901	1	Long Sprocket, 16 Tooth, 1-3/8” x 21 Spline
7	G10985001	1	Long Sprocket, 16 Tooth, 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 ½”
12	G10901	1	Lock Nut W/Nylon Insert, 3/8”-16
13	G10039	16	Hex Head Cap Screw, ½”-13 x 1 ¾”
14	G10111	10	Lock Nut, ½”-13
15	G11389	18	Flat Washer, ½” Plated SAE

(112116)



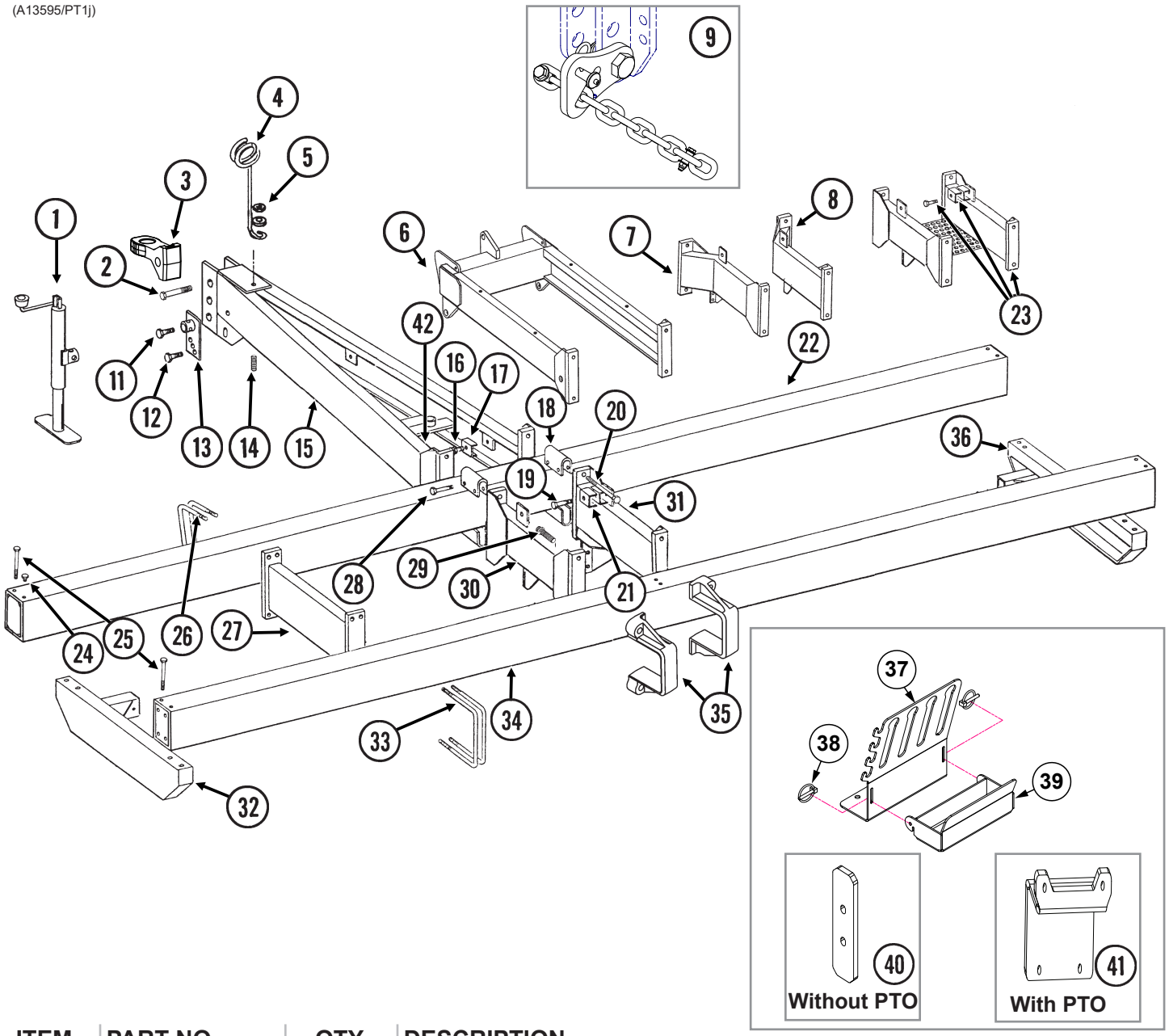
ITEM	PART NO.	QTY.	DESCRIPTION
1	G11212501	1	Pump Plate (Gear)
2	G11212601	1	Plate, 6.75 Ring
3	G10984701	1	Sprocket, 16 Tooth
4	G10016	2	Hex Head Cap Screw, ½”-13 x 2”
5	G10111	2	Lock Nut, ½”-13

(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, ½" Plated SAE
5	G10037	1	Hex Head Cap Screw, 1/2"-13 X 1 1/4"

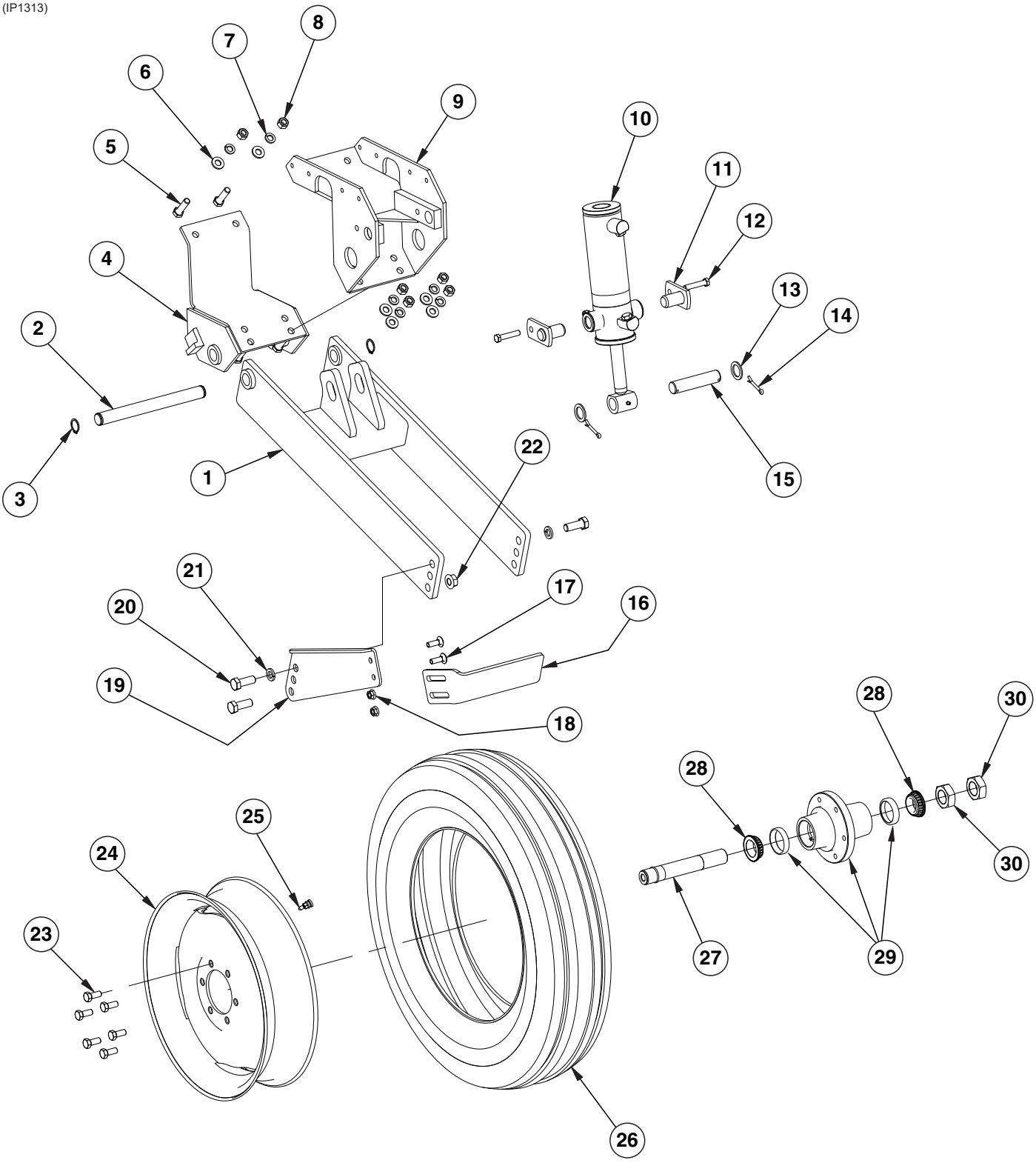
(A13595/PT1j)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G4100-02	1	Jack Assembly
	GR0255	-	Repair Kit (Chain and Pin)
2	G10169	1	Hex Head Cap Screw, 1¼"-7 x 6"
	G10157	1	Lock Nut, 1¼"-7
3	GB0292	1	Clevis
4	GD7140	1	Hose Holder
5	G10348	1	Hex Head Cap Screw, ½"-13 x 5"
	G11389	1	Flat Washer, ½" SAE
	G10228	1	Lock Washer, ½"
	G10102	1	Hex Nut, ½"-13
6	---	-	See “Split Row Self-Leveling Hitch Extension” on page P40
7	GA9429	-	Center Extension, L.H., Offset, 24"
8	GA9428	-	Center Extension, R.H., Offset, 24"
9	G9948X	1	⅜" Transport Safety Chain Package

ITEM	PART NO.	QTY.	DESCRIPTION
10	---	-	---
11	G10005	1	Hex Head Cap Screw, ⅝"-11 x 1¾"
	G10107	1	Lock Nut, ⅝"-11
12	G10017	1	Hex Head Cap Screw, ½"-13 x 1½"
	G11389	1	Washer, ½" SAE
	G10111	1	Lock Nut, ½"-13
13	GA7909	1	Jack Adjustment Bracket
14	GD5888	1	Spring
15	GA8471	1	Hitch
16	G10048	2	Hex Head Cap Screw, ⅜"-16 x 2"
	G10108	2	Lock Nut, ⅜"-16
17	GD5875	2	Hose Clamp
18	GA5197	-	Spacer
19	G10048	-	Hex Head Cap Screw, ⅜"-16 x 2"
	G10108	-	Lock Nut, ⅜"-16
20	G10993	4	Hex Head Cap Screw, 1"-8 x 8½", Grade 8
	G10396	4	Lock Nut, 1”-8
21	GD6027	-	Hose Clamp, ¾" x 2 ½" x 2½"
22	A8013	1	Double Frame Toolbar, 7" x 5" x 180", 6 Row **(Non-Stock Item)**
	A8015	-	Double Frame Toolbar, 7" x 5" x 240", 8 Row **(Non-Stock Item)**
23	GA9007	-	Hitch Extension W/Hose Clamps and Hardware
	GD6027	-	Hose Clamp, ¾" x 2 ½" x 2½" (Included W/GA9007)
	G10048	-	Hex Head Cap Screw, ⅜"-16 x 2" (Included W/GA9007)
	G10108	-	Lock Nut, ⅜"-16 (Included W/GA9007)
24	G10903	-	Cap Plug
25	G10895	8	Hex Head Cap Screw, ¾"-10 x 8½"
	G10112	8	Lock Nut, ¾"-10
26	GD1113	-	U-Bolt, 5" x 7" x ⅝"-11 (Push Units/Front Rows)
	G10230	-	Lock Washer, ⅝"
	G10104	-	Hex Nut, ⅝"-11
27	GA4265	-	Straight Extension
28	G10061	4	Hex Head Cap Screw, ⅜"-16 x 3½"
	G11387	4	Flat Washer, ⅜" SAE
	G10108	4	Lock Nut, ⅜"-16
29	G11085	4	Flanged Cap Screw, 12 Point, 1"-14 x 3"
30	GA9427	-	Hitch/Center Extension, L.H., Straight, 24"
31	GA9426	-	Hitch/Center Extension, R.H., Straight, 24"
32	GA9439	-	End Extension, L.H.
33	GD1114	-	U-Bolt, 7" x 7" x ⅝"-11 (Pull Units/Back Rows)
	G10230	-	Lock Washer, ⅝"
	G10104	-	Hex Nut, ⅝"-11
34	A8018	1	Toolbar, 7" x 7" x 180", 6 Row **(Non-Stock Item)**
	A8020	-	Toolbar, 7" x 7" x 240", 8 Row **(Non-Stock Item)**
35	GD29221	2	Hitch Clamp
36	GA9438	-	End Extension, R.H.
37	G10230201	1	Hydraulic Hose Holder
38	GD2558	2	Lynch Pin, ¼"
39	GA25763	1	Hydraulic Hose Holder Cup
40	GD31433	4	Hydraulic Hose Holder Mount Plate
41	GD33279	1	See “Planter Mounted PTO Pump” on page P50
42	GA5187	1	Jack Mount

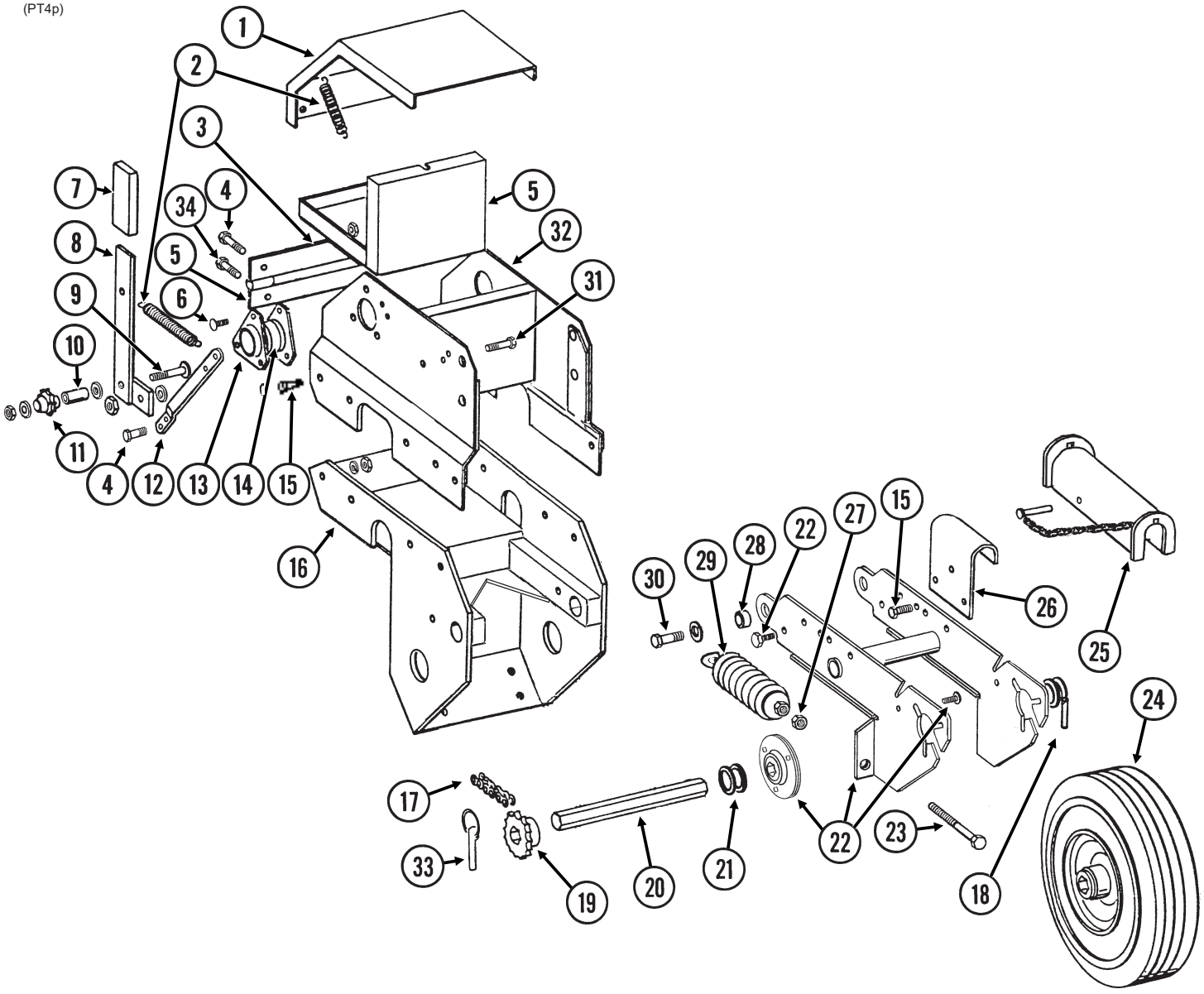
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ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	GA14349	1	Wheel Module
2	GD20461	1	Pin, 1¼" x 13"
3	G11400	2	Retaining Ring, 1¼"
4	GA14348	1	Lower Half Clamp
5	G10006	6	Hex Head Cap Screw, ⅝"-11 x 2¼"
6	G11391	6	Flat Washer, ⅝" SAE
7	G10230	6	Lock Washer, ⅝"
8	G10104	6	Hex Nut, ⅝"-11
9	GA5122	1	Wheel Tower Clamp
10	---	1	See “Master Lift Cylinder” on page P122 See “Transport and Ground Drive Wheel Assembly” on page P62 See “Contact Wheel and Arm Assembly” on page P64
11	GA5121	2	Pin, 2⅛"
12	G10053 G10111	2 2	Hex Head Cap Screw, ½"-13 x 2 ½" Lock Nut, ½"-13
13	G10159	4	Washer, 1⅞"
14	G10460	2	Cotter Pin, ¼" x 2"
15	GD5841	1	Pin, 1¼" x 5⅝"
16	GD34178	1	Slotted Scrapper
17	G10636	2	Carriage Bolt, ½"-13 x 1½"
18	G10071	2	Serrated Flange Nut, ½"-13
19	G10605101	1	Mud Scraper Holder
20	G10026	3	Hex Head Cap Screw, ¾"-10 x 2"
21	G10231	2	Lock Washer, ¾"
22	G11314	1	Serrated Flange Nut, ¾"-10
23	GR0270	6	Lug Bolt, 9/16"-18
24	GA14413	1	Rim, 5.50" x 20"
25	GA7434	1	Valve Stem
26	GD13401	1	Tire, 7.50" x 20", 8 Ply, Tubeless W/O Center Rib (Specify Brand*)
27	GA4376 GD11490 GD11458	1 1 1	Spindle Assembly Round External Retaining Ring (Included W/GA4376) Spindle (Included W/GA4376)
28	GA24825	2	Bearing
29	GA24826 GR0434	1 2	Hub W/Cups, 6 Bolt Cup (Included W/GA24826)
30	G11081	2	Hex Jam Nut, 1½"-12, Grade 2
A	GA24828	1	Hub and Spindle Assembly (Items 27-30)
C	GA14412	1	Tire and Rim Assembly (Items 24-26) (Specify Brand*)

*** 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.**

(PT4p)

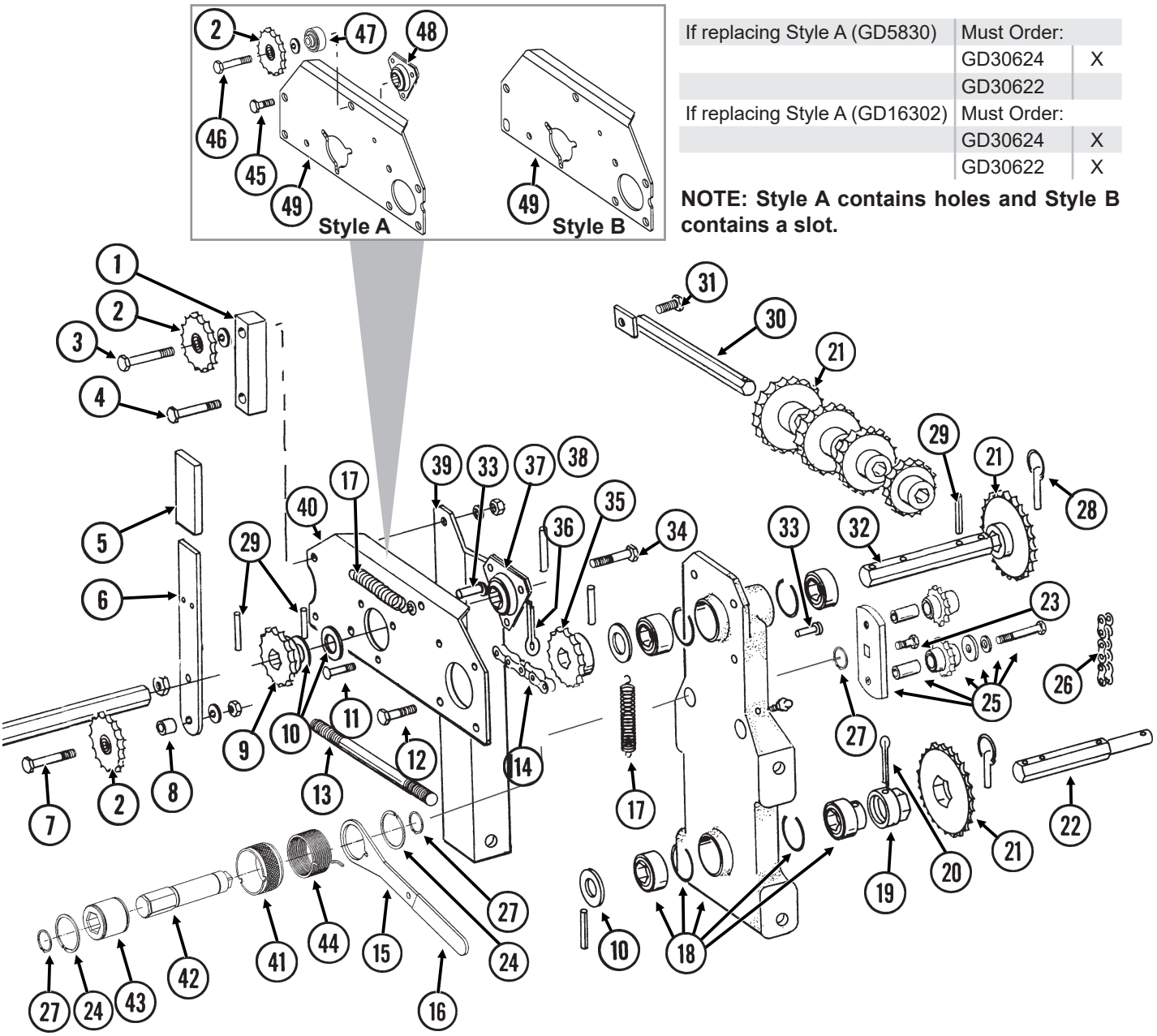


ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	GD5791	1	Cover
	G10860	-	Retaining Ring, ⅜"
	G10870	-	Clevis Pin, ⅜" x 1"
2	GD5857	2	Spring
3	GA13790	1	Slip Joint Assembly
	GD5789	1	Hinge W/Pins, Female (Included W/GA13790)
	GD5790	1	Hinge W/Pins, Male (Included W/GA13790)
4	G10064	4	Hex Head Cap Screw, ¼"-20 x 1"
	G10621	4	Serrated Flange Nut, ¼"-20
5	GA7235	1	Tool Box Insert
6	G10303	-	Carriage Bolt, 5⁄16"-18 x 1"
	G11386	-	Washer, 5⁄16" SAE (As Required)
	G10620	-	Serrated Flange Nut, 5⁄16"-18
7	GD5827	1	Cover

ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
8	GA5157	1	Idler Arm, L.H.
	GA5158	-	Idler Arm, R.H.
9	G10306	1	Carriage Bolt, ⅜"-16 x 2"
	G11387	-	Flat Washer, ⅜" SAE (As Required)
	G10108	1	Lock Nut, ⅜"-16
10	GD1026	1	Sleeve, 1 3/16" Long
11	GD7426	1	Sprocket, 12 Tooth
12	GD5860	1	Bar
13	G3400-01	-	Flangette
14	G2100-03	-	Bearing, ⅞" Hex Bore, Spherical
15	G10004	8	Hex Head Cap Screw, ⅜"-16 x 1¼"
	G10622	8	Serrated Flange Nut, ⅜"-16
16	---	-	See “Transport and Ground Drive Wheel Assembly” on page P62
17	G3310-132	1	Chain, No. 40, 132 Pitch Including Connector Link
	GR0912	-	Connector Link, No. 40
18	G10602	1	Spring Pin, ¼" x 1½"
19	GA5105	1	Sprocket, 15 Tooth
20	GD6825-10.5	1	Hex Shaft, ⅞" x 10½" (2 Holes)
21	G10233	6	Machine Bushing, 1", 10 Gauge
22	A7370	1	Arm W/Flanged Bearings and Hardware **(Non-Stock Item) (Sub G1K253)**
	G10303	6	Carriage Bolt, 5/16"-18 x 1" (Included W/A7370)
	G10620	6	Serrated Flange Nut, 5/16"-18 (Included W/A7370)
	GA9846	2	Flanged Bearing, ⅞" Hex Bore (Included W/A7370)
	G10055	2	Hex Head Cap Screw, ⅝"-11 x 1¼" (Stop Bolt) (Included W/A7370)
	G10107	2	Lock Nut, ⅝"-11 (Included W/A7370)
23	G10890	2	Hex Head Adjusting Bolt, ½"-13 x 4", Grade 2
24	GA5090	1	Tire and Rim Assembly (Specify Brand*)
	GD5753	-	Tire, 4.10" x 6" (Specify Brand*) (Included W/GA5090)
	GD5752	-	Inner Tube (Included W/GA5090)
25	GA9870	-	Lockup W/Pin
	G10874	-	Detent Pin, ½" x 3½" Grip (Included W/GA9870)
26	GD7944	1	Mount
27	G10501	2	Hex Jam Nut, ½"-13, Grade 2
28	GB0218	2	Bushing, 21/32" I.D. x ⅞" O.D. x 19/32" Long
29	GA2068	2	Spring W/Plug
30	G10005	2	Hex Head Cap Screw, ⅝"-11 x 1¾"
	G10235	6	Machine Bushing, ⅞", 14 Gauge
	G11391	2	Flat Washer, ⅝" SAE
	G10107	2	Lock Nut, ⅝"-11
31	G10004	1	Hex Head Cap Screw, ⅜"-16 x 1¼"
	G10229	1	Lock Washer, ⅜"
	G11387	1	Flat Washer, 3/8” SAE
	GD5756	1	Special Nut, ⅜"-16
32	GA5118	1	Mount
33	GD2558	1	Lynch Pin, ¼"
34	G10064	2	Hex Head Cap Screw, ¼"-20 x 1"
	G11385	2	Flat Washer, ¼" SAE
	G10227	2	Lock Washer, ¼"
	G10103	2	Hex Nut, ¼"-20
A	G1K253	-	Contact Wheel Arm Replacement Kit, (Items 18, 20, 22, 23 and 27)

*** 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.**

(PT8k/PT8mm)



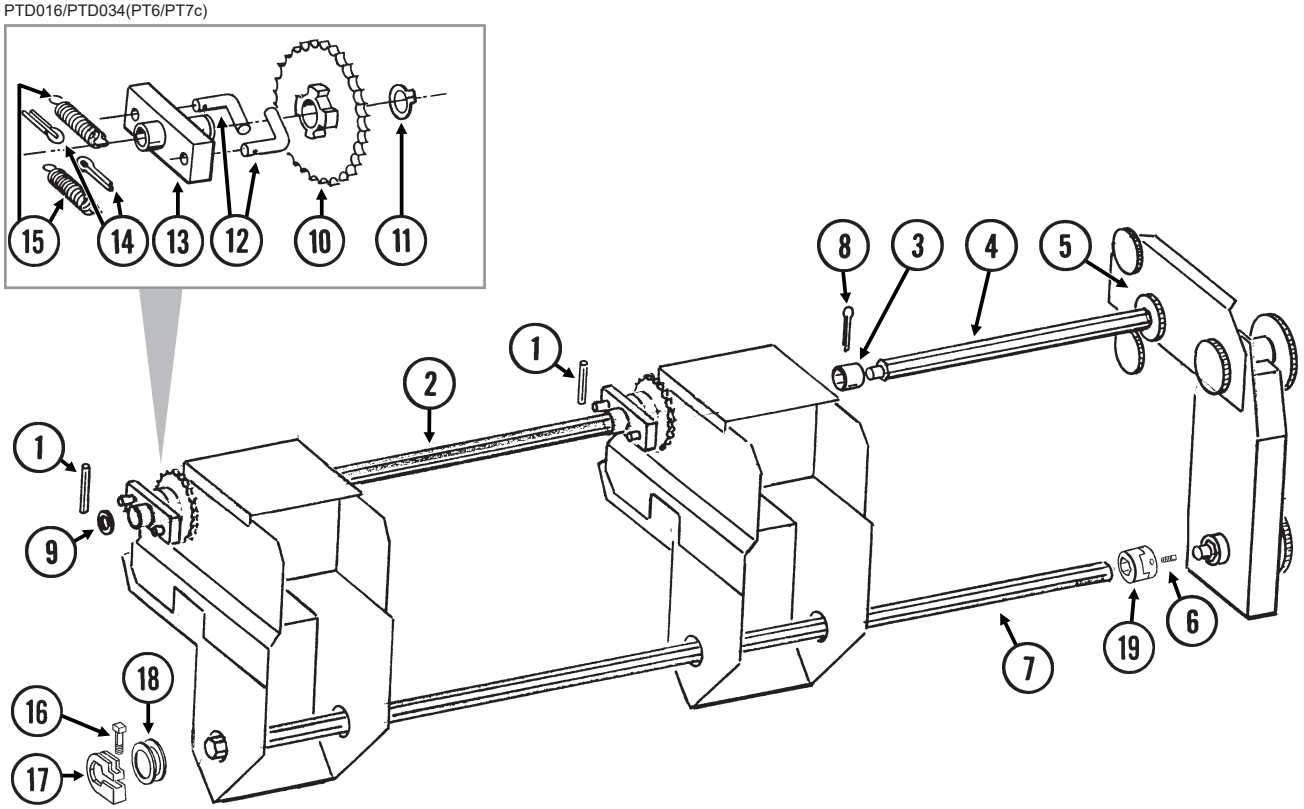
If replacing Style A (GD5830)	Must Order:	
	GD30624	X
	GD30622	
If replacing Style A (GD16302)	Must Order:	
	GD30624	X
	GD30622	X

NOTE: Style A contains holes and Style B contains a slot.

ITEM	PART NO.	QTY.	DESCRIPTION
1	GD12571	-	Spacer, 1" x 4"
2	GA7154	1	Sprocket W/Bearing, 18 Tooth
3	G10033	1	Hex Head Cap Screw, ½"-13 x 3½"
	G10128	-	Machine Bushing, ½", 14 Gauge (As Required)
	G10228	1	Lock Washer, ½"
	G10102	1	Hex Nut, ½"-13
4	G10053	1	Hex Head Cap Screw, ½"-13 x 2½"
	G10228	1	Lock Washer, ½"
	G10102	1	Hex Nut, ½"-13
5	GD5827	1	Cover
6	GD31450	1	Arm
7	G10053	1	Hex Head Cap Screw, ½"-13 x 2½"
	G10128	-	Machine Bushing, ½", 14 Gauge (As Required)
	G10228	1	Lock Washer, ½"
	G10102	1	Hex Nut, ½"-13
8	GD4887-01	1	Sleeve, ½" I.D. x ⅝" Long
9	GA5105	1	Sprocket, 15 Tooth
10	G10233	-	Machine Bushing, 1", 10 Gauge
11	G10303	3	Carriage Bolt, 5⁄16"-18 x 1"
	G10232	3	Lock Washer, 5⁄16"
	G10106	3	Hex Nut, 5⁄16"-18
12	G10037	3	Hex Head Cap Screw, ½"-13 x 1¼"
	G10228	3	Lock Washer, ½"
	G10102	3	Hex Nut, ½"-13
13	G10177	2	Hex Head Cap Screw, ⅝"-11 x 9½"
	G10230	2	Lock Washer, ⅝"
	G10104	2	Hex Nut, ⅝"-11
14	G3310-92	1	Chain, No. 40, 92 Pitch Including Connector Link
	G3310-100	-	Chain, No. 40, 100 Pitch Including Connector Link, Used With Half Rate (2 To 1) Drive Reduction
	GR0912	-	Connector Link, No. 40
15	GD14431	1	Handle
16	G11078	1	Vinyl Cap
17	GD5857	2	Spring
18	GA5629	1	Transmission Plate W/Bearings, Grease Fittings and Retaining Rings
	GA5116	3	Bearing, ⅞" Hex Bore, Cylindrical (Included W/GA5629)
	GA5624	1	Special Bearing, ⅞" Hex Bore x 1.6" (Included W/GA5629)
	GD6551	4	Ring (Included W/GA5629)
	G10640	-	Grease Fitting, ¼"-28 (Included W/GA5629)
19	GD7127	1	Shear Coupler
20	G10821	1	Clevis Pin, 3⁄16" x 2"
	G10455		Cotter Pin, 1⁄16" x ½"
21	GA5105	1	Sprocket, 15 Tooth
	GA5106	1	Sprocket, 17 Tooth
	GA5107	1	Sprocket, 19 Tooth
	GA5108	2	Sprocket, 23 Tooth
	GA5109	1	Sprocket, 24 Tooth
	GA5110	1	Sprocket, 25 Tooth
	GA5111	1	Sprocket, 26 Tooth
22	GD7822	1	Shaft, ⅞" x 7"
23	G11100	1	Hex Socket Button Head Cap Screw, ¼"-20 x ½", Grade 8
	G10227	1	Lock Washer, ¼"
	G11453	1	Fender Washer, ¼"
24	G10496	2	External Inverted Snap Ring, 1½"

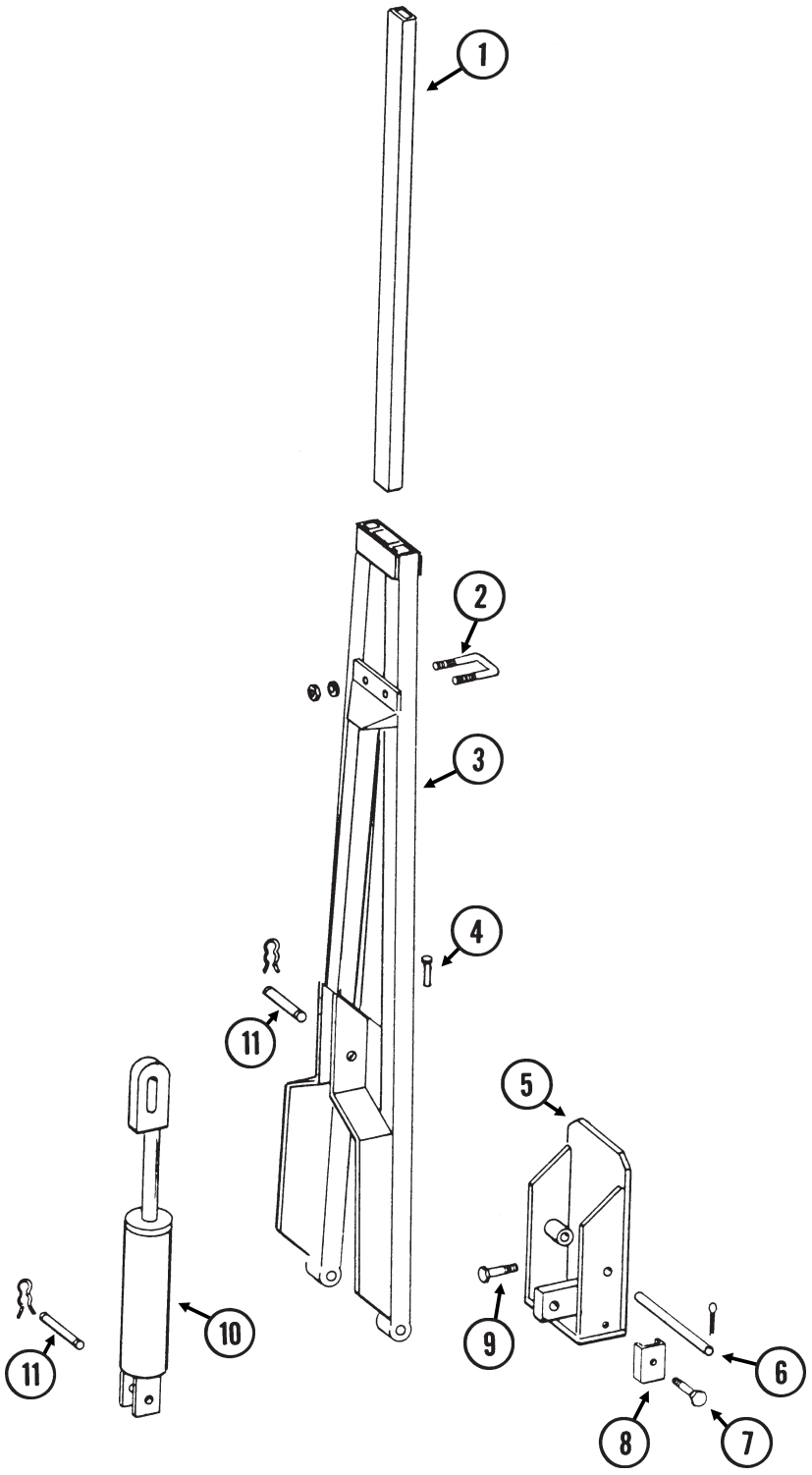
ITEM	PART NO.	QTY.	DESCRIPTION
25	GA7336	1	Idler W/Bolt-On Sprockets
	GD7426	-	Sprocket, 12 Tooth (Included W/GA7336)
	GD1026	-	Sleeve, 1 3/16" Long (Included W/GA7336)
	G11387	-	Flat Washer, 3/8" SAE (Included W/GA7336)
	G10229	-	Lock Washer, 3/8" (Included W/GA7336)
	G10047-	-	Hex Head Cap Screw, 3/8"-16 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	G11075	3	External Inverted Snap Ring, 7/8"
28	GD2558	3	Lynch Pin, 1/4"
29	G10602	5	Spring Pin, 1/4" x 1 1/2"
30	G10961801	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"
	G11387	1	Flat Washer, 3/8" SAE
	GD15538	2	Spacer, 3/8" I.D. x 7/8" O.D., 7 Gauge
	GD5756	1	Special Nut, 3/8"-16
35	GA5106	1	Sprocket, 17 Tooth, Standard Drive
	GA5202	-	Sprocket, 34 Tooth, Half Rate (2 To 1) Drive Reduction
36	G10460	1	Cotter Pin, 1/4" x 2"
37	G2100-03	1	Bearing, 7/8" Hex Bore, Spherical
38	G3400-01	2	Flangette
39	GD5830	1	Angle Support, R.H. (Style A) **(Replaced with GD30624)**
	GD30624	1	Angle Support, R.H. (Style B)
40	GD5824	1	Plate, R.H.
41	GD19343	1	Release Collar, R.H.
42	GD14427	1	Tightener Shaft, 4 7/8
43	GD14432	1	Sleeve, 1 1/4"
44	GD14413	1	Torsion Spring, L.H. (Used On R.H. Wrap Spring Wrench)
45	G10017	2	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
	G10228	2	Lock Washer, 1/2"
	G10102	2	Hex Nut, 1/2"-13
46	G10038	1	Hex Head Cap Screw, 1/2"-13 x 3"
	G10128	-	Machine Bushing, 1/2", 14 Gauge (As Required)
	G10228	1	Lock Washer, 1/2"
	G10102	1	Hex Nut, 1/2"-13
47	GB0259	-	Spacer, 1"
48	GA7841	-	Bearing, 7/8" Hex Bore
49	GD16302	-	Reverser Plate (Style A) **(Replaced With GD30622)**
	GD30622	-	Reverser Plate (Style B)
A	G1K378	-	Wrap Spring Wrench Replacement Kit, Blue Collar, R.H. (Items 15, 16, 23, 24, 27 and 41-44)

PTD016/PTD034(PT6/PT7c)



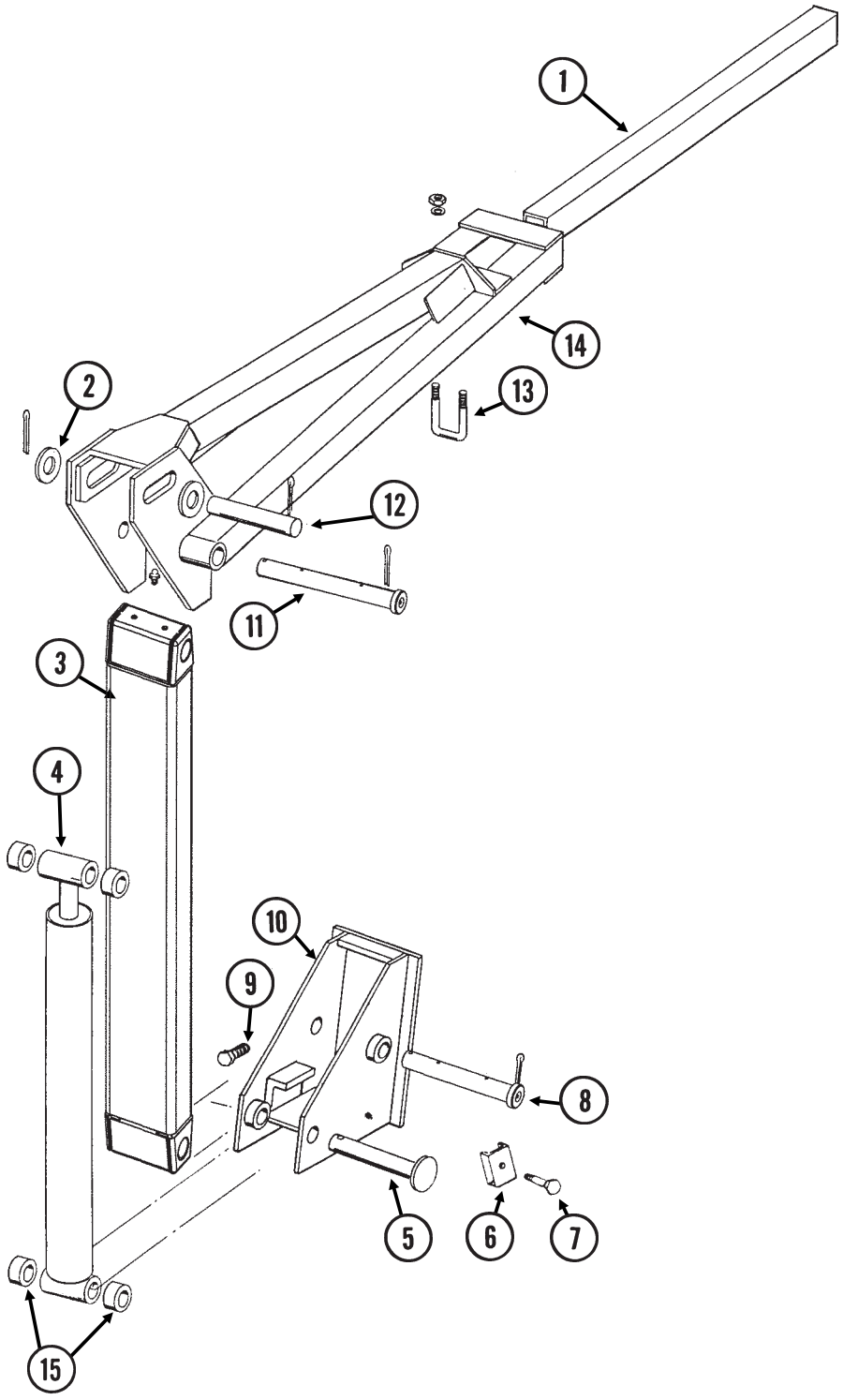
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10602	2	Spring Pin, ¼" x 1½"
2	GD5884-01	1	Hex Shaft, ⅞" x 36" (3 Holes)
3	GD5961	1	Coupler, 2¼"
4	GD5885-01	1	Hex Shaft, ⅞" x (6 Holes), 6 Row and 8 Row
5	---	-	See “Seed Rate Transmission Assembly” on page P66
6	G10131	4	Square Head Set Screw, 5⁄16"-18 x ¾"
7	GD0914-170 GD0914-230	1 -	Hex Shaft, ⅞" x 170" (No Holes), 6 Row Hex Shaft, ⅞" x 230" (No Holes), 8 Row
8	G10460	2	Cotter Pin, ¼" x 2"
9	G10233	-	Machine Bushing, 1", 10 Gauge (As Required)
10	GA5165	1	Sprocket, 30 Tooth
11	G10430	1	External Retaining Ring, 1¼"
12	GD1255	2	L-Pin
13	GA0378	1	Block and Hub Assembly
14	G10453	2	Cotter Pin, 3⁄16" x 1"
15	GD1256	2	Spring
16	G10130 G10923	1 1	Square Head Machine Bolt, 5⁄16"-18 x 1¾" Flange Nut, 5⁄16"-18, No Serration
17	GD11045	1	Lock Clamp
18	G10233	2	Machine Bushing, 1", 10 Gauge
19	GB0287	2	Coupler
A	GA5164	-	Ratchet/Sprocket Assembly, Includes: (2) GD1256, (2) G10464,
B	G1K269	-	Lock Clamp Kit (Items 16 and 17)

MKR010(MKR1a)



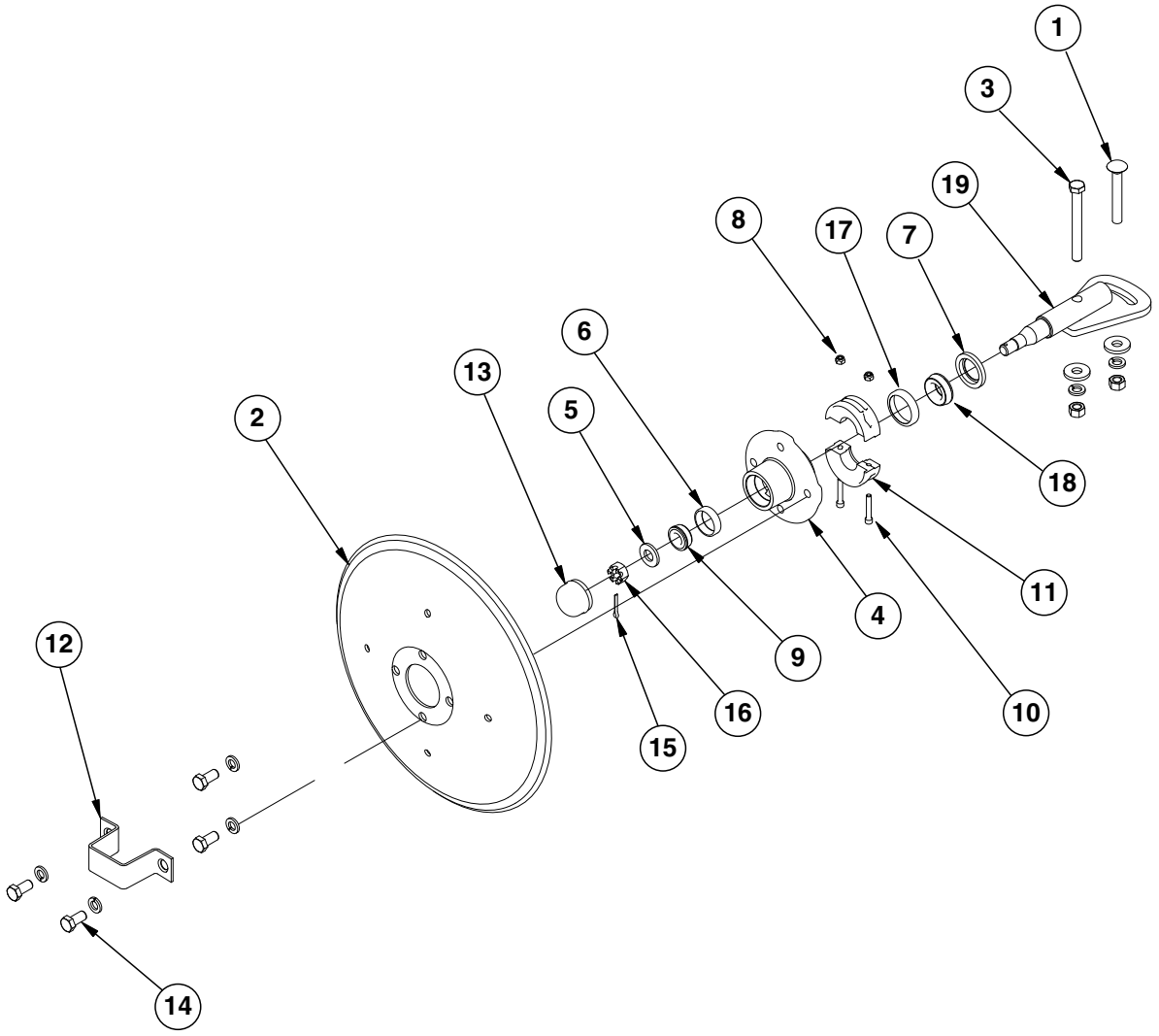
ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	GD0453-05	1	Extension Tube, 55", 6/8 Row
2	GD2721 G10228 G10102	1 2 2	U-Bolt, 2" x 2" x ½"-13 Lock Washer, ½" Hex Nut, ½"-13
3	GA5183 G10640	1 -	Arm W/Grease Fittings, 58½", 6/8 Row Grease Fitting, ¼"-28 (Included W/GA5175, GA5184, or GA5183)
4	GD0462 G10670 G10187	1 1 1	Safety Lockup Pin Hair Pin Clip, No. 3 Spring Pin, 5⁄32" x 2"
5	GA5178 G10640	1 -	Mount W/Grease Fittings, 6/8 Row Grease Fitting, ¼"-28 (Included W/GA5177 or GA5178)
6	GD0438 G10460	1 2	Pivot Shaft Cotter Pin, ¼" x 2"
7	G10003 G10108	1 1	Hex Head Cap Screw, 3/8”-16 x 1 ½” Lock Nut, 3/8”-16
8	GD5892	1	Hose Clamp, 5⁄8" x 1½" x 1½"
9	G10008 G10230	4 4	Hex Head Cap Screw, 5⁄8"-11 x 2" Lock Washer, 5⁄8"
10	---	-	See “Row Marker Cylinder, 6 Row” on page 125
11	GR0962 GR0193	1 2	Pin, 1" x 3⅜" Hair Pin Clip

MKR006/MKR009(MKR2fff)



ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	GD0453-03	1	Extension Tube, 50", 8 Row 30"
2	G11396	2	Flat Washer, 1¼" SAE
3	GA11591	-	Arm, First Stage
4	---	-	See “Row Marker Cylinder, 8 Row” on page P126
5	GD15386 G10460	1 1	Pin, 1¼" x 7⅝" Cotter Pin, ¼" x 2"
6	GD5875	1	Hose Clamp
7	G10133 G10109	1 1	Hex Head Cap Screw, ⅝"-18 x 1½" Lock Nut, ⅝"-18, Grade 8
8	GA11767 G10640 G10460	- - 1	Pin W/Grease Fitting, 1¼" x 9½" Grease Fitting, ¼"-28 (Included W/GA11767) Cotter Pin, ¼" x 2" (Included W/GA11767)
9	G10879	4	Flanged 12 Point Bolt, ⅝"-11 x 2", Special Hardened
10	GA5130	1	Mount
11	GA11766 G10640 G10460	- - 1	Pin W/Grease Fitting, 1¼" x 11¹³⁄₁₆" Grease Fitting, ¼"-28 (Included W/GA11766) Cotter Pin, ¼" x 2" (Included W/GA11766)
12	GD2161 G10460	1 2	Pin, 1¼" x 8¼" Cotter Pin, ¼" x 2"
13	GD2721 G10228 G10102	1 2 2	U-Bolt, 2" x 2" x ½"-13 Lock Washer, ½" Hex Nut, ½"-13
14	GA5188	1	Arm, Second Stage, 35", 6 Row 36"/38"
15	GD0752-41	-	Sleeve, 1" (If Applicable)

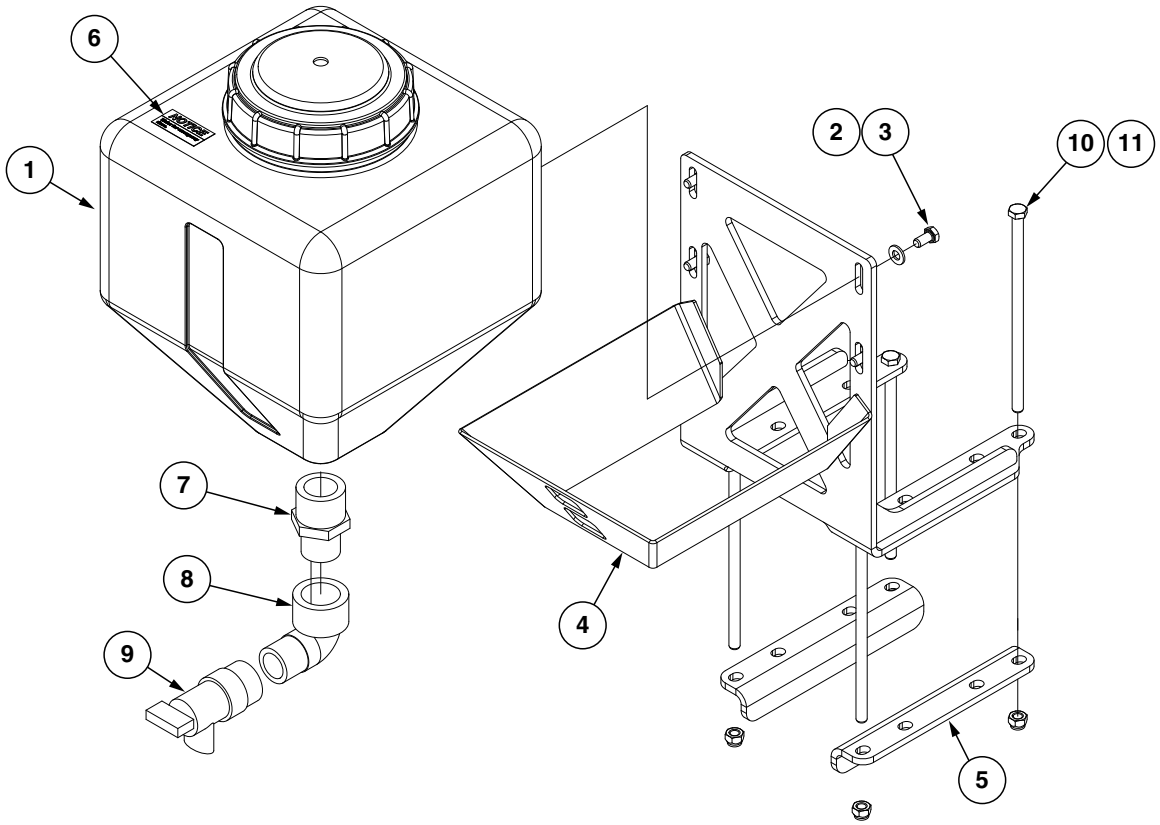
IP1035aa



ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	G10844	1	Carrriage Bolt, ½"-13 x 3½"
	G10168	2	Machine Bushing, ½", 7 Gauge
	G10228	2	Lock Washer, ½"
	G10102	2	Hex Nut, ½"-13
2	GD0746	1	Disc Blade, Solid, 16" (Shown)
	GD10283	-	Disc Blade, Notched, 16" (Optional)
3	G10045	1	Hex Head Cap Screw, ½"-13 x 4½"
	G10168	2	Machine Bushing, ½", 7 Gauge
	G10228	2	Lock Washer, ½"
	G10102	2	Hex Nut, ½"-13
4	GA0167	1	Hub W/Cups, 4 Bolt (Includes Items 6 and 17)
5	G11391	1	Flat Washer, ⅝" SAE
6	GR0151	1	Outer Cup
7	GD21540	1	Grease Seal
8	G10110	2	Lock Nut, ¼"-20, Grade B
9	GA0257	1	Bearing
10	G11418	2	Hex Socket Head Cap Screw, ¼" x 1½"
11	GB0554	2	Hub Shield
12	GD2597	1	Retainer
13	GD0840	1	Dust Cap
14	G10722	4	Hex Head Cap Screw, ½"-20 x 1"
	G10228	4	Lock Washer, ½"
15	G10544	1	Cotter Pin, 5⁄32" x 1"
16	G10725	1	Slotted Hex Nut, ⅝"-18
17	GR0150	1	Inner Cup
18	GA0245	1	Bearing
19	GA15151	1	Spindle

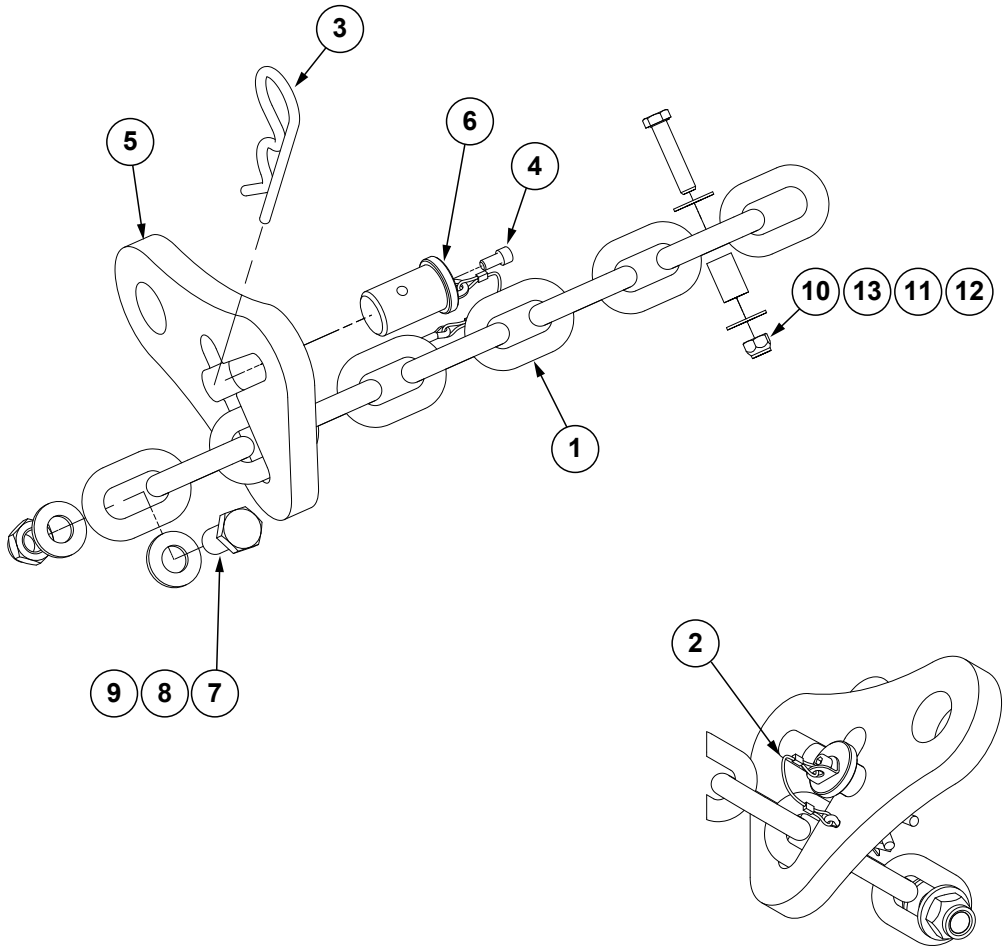
Water Tank Assembly

A21003



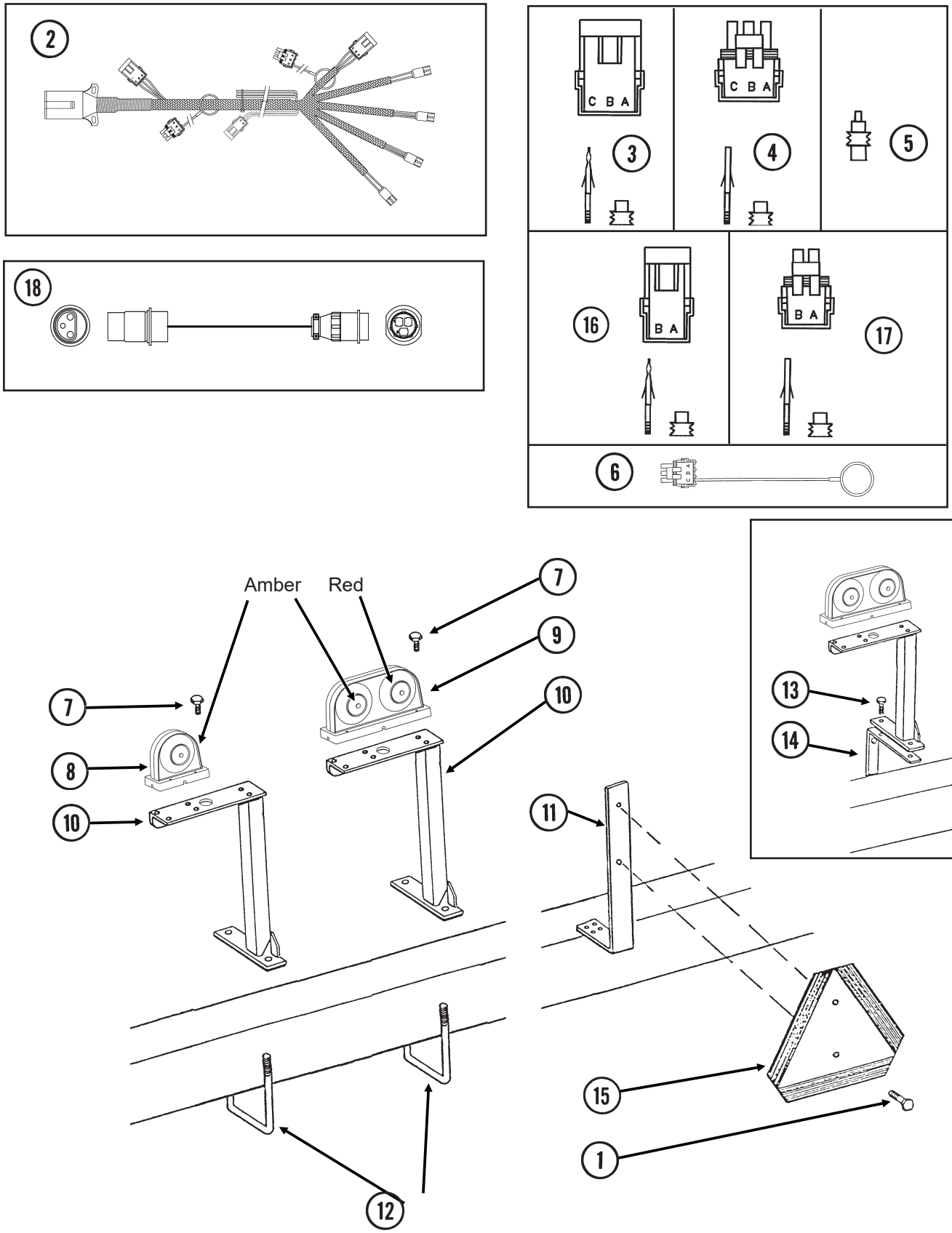
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD30723	1	4 Gallon Water Tank W/Lid
2	G11386	4	Flat Washer, 5/16" SAE
3	G10018	4	Hex Head Cap Screw, 5/16"-18 x 5/8"
4	GA21002	1	Water Tank Mount
5	GD30221	2	Water Tank Mount Brackets
6	G10383201	1	Decal, Notice
7	G10727	1	Reducing Nipple, 1-1/4" x 1"
8	G11742	1	1" NPT 90° Elbow
9	GD30722	1	1" NPTF Flush Valve
10	G10686	4	Hex Head Cap Screw, 3/8"-16 x 8"
11	G10108	4	Lock Nut, 3/8"-16

(PT2j)



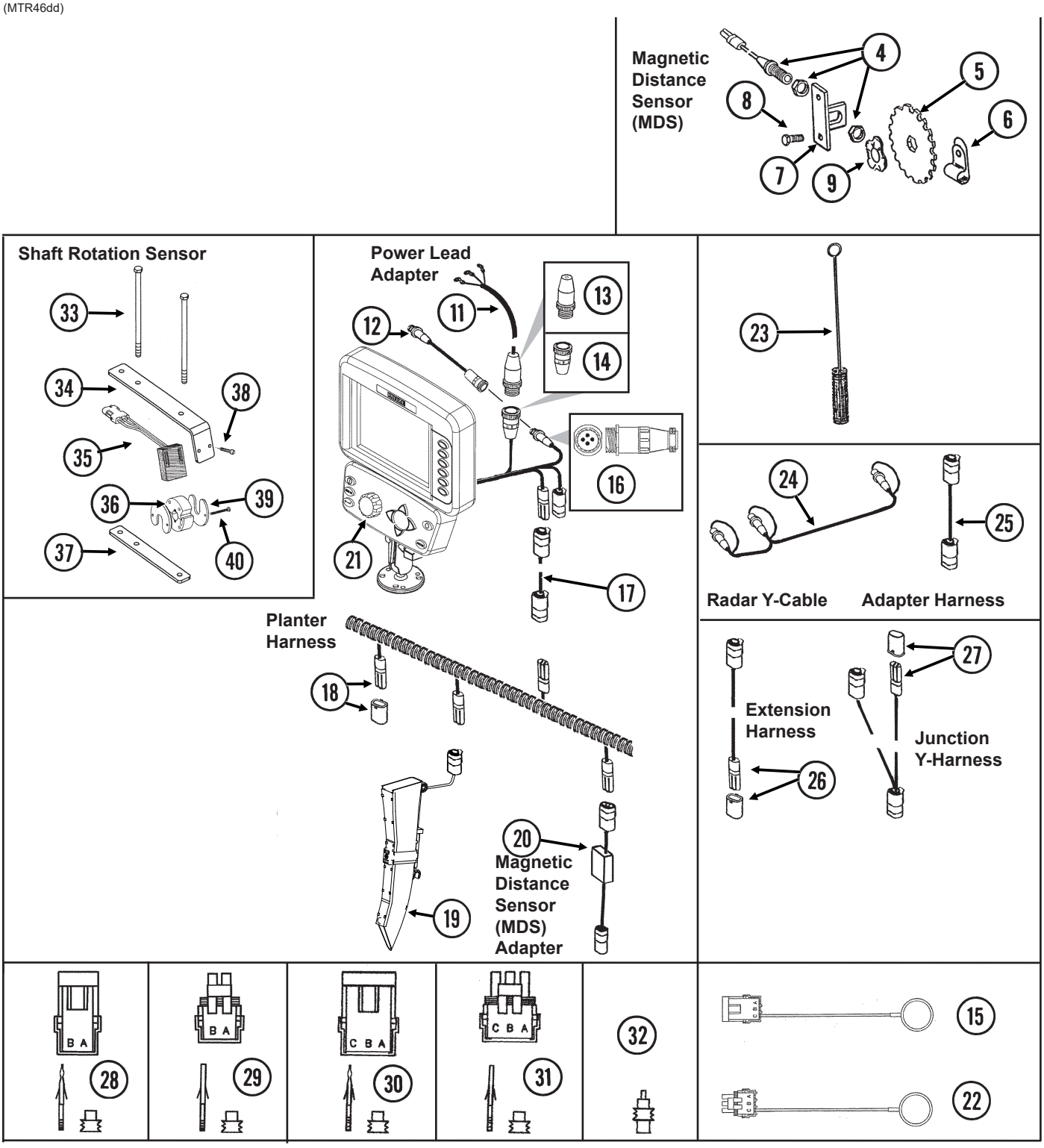
ITEM	PART NO.	QTY.	DESCRIPTION
1	G3324-01	1	Safety Chain, 13MM Grade 70, 97½"
2	GD35339	1	Looped Tether W/Tabs and Cotter Pin
3	G10671	1	Hairpin Cotter, 3/16" x 3¼"
4	G11874	1	Hex Socket Head Cap Screw, ¼"-20 x ½"
5	GD35127	1	Single Chain Latch
6	GD35340	1	Chain Latch Pin
7	G10007	1	Hex Head Cap Screw, ⅝"-11 x 1½"
8	G11391	2	Flat Washer, ⅝" SAE
9	G10107	1	Lock Nut, ⅝"-11
10	G10108	1	Lock Nut, ⅜"-16
11	GD8893-07	1	Sleeve, 1" Long
12	G10047	1	Hex Head Cap Screw, ⅜"-16 x 1¾"
13	G10210	2	Washer, ⅜" USS
A	G9948X	-	⅜" Transport Safety Chain Package (Items 1-13)

PFA052/PFA055(ELC9/A9206a/MTR27a/ELC8/PT49f)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10023	2	Hex Head Cap Screw, ¼"-20 x ¾"
	G10110	2	Lock Nut, ¼"-20, Grade B
2	GA9207	-	Wiring Harness W/7 Terminal Female Connector, 329", 6 Row (4 Light Connections)
	GA9206	-	Wiring Harness W/7 Terminal Female Connector, 396", 8 Row (4 Light Connections)
	GA25321	-	Eu Harness Adapter
	GA5385	-	7 Terminal Female Connector
3	G1K248	-	3-Pin Female Connector Kit (Black), Includes: (3) 3-Pin Female Housings, (9) Pin Contacts, (9) Seals
4	G1K252	-	3-Pin Male Connector Kit (Black), Includes: (3) 3-Pin Male Housings, (9) Socket Contacts, (9) Seals
5	GD11089	-	Sealing Plug
6	GA8047	-	Dust Plug (Black)
7	G10064	8-16	Hex Head Cap Screw, ¼"-20 x 1"
	G11385	8-16	Flat Washer, ¼" SAE
	G10110	8-16	Lock Nut, ¼"-20, Grade B
8	GA6701	1	Single Amber Light Assembly
	GR1956	-	Amber Lens Kit, Includes: (1) Amber Lens, (1) Gasket, and (3) Hex Head Cap Screws (Included W/GA6701)
	GR1208	-	Bulb (Included W/GA6701)
9	GA6699	1	Double Light Assembly
	GA6700	1	Double Light Assembly (Shown)
	GR1956	-	Amber Lens Kit, Includes: (1) Amber Lens, (1) Gasket, and (3) Hex Head Cap Screws
	GR1957	-	(Included W/GA6699 or GA6700)
	GR1958	-	Red Lens Kit, Includes: (1) Red Lens, (1) Gasket, and (3) Hex Head Cap Screws (Included W/GA6699 or GA6700)
	GR1208	-	Black Cover Kit, Includes: (1) Black Cover, (1) Gasket, and (3) Hex Head Cap Screws (Included W/GA6699 or GA6700) Bulb
10	GA6823	1	Bracket, L.H. (Shown)
	GA6824	1	Bracket, R.H.
11	GD7152	1	Bracket
12	GD7145	2-4	U-Bolt, 7" x 7" x ½"-13
	G10228	4-8	Lock Washer, ½"
	G10102	4-8	Hex Nut, ½"-13
13	G10039	-	Hex Head Cap Screw, ½"-13 x 1¾"
	G10228	-	Lock Washer, ½"
	G10102	-	Hex Nut, ½"-13
14	GD8304	-	Bracket (Used To Mount Light Bracket When HD Single Disc Fertilizer Openers Are Used)
15	GD2199	1	SMV Sign
16	G1K321	-	2-Pin Female Connector Kit (Black), Includes: (3) 2-Pin Female Housings, (6) Pin Contacts, (6) Seals
17	G1K320	-	2-Pin Male Connector Kit (Black), Includes: (3) 2-Pin Male Housings, (6) Socket Contacts, (6) Seals
18	GA26751	1	EU Harness Powder Adapter

(MTR46dd)

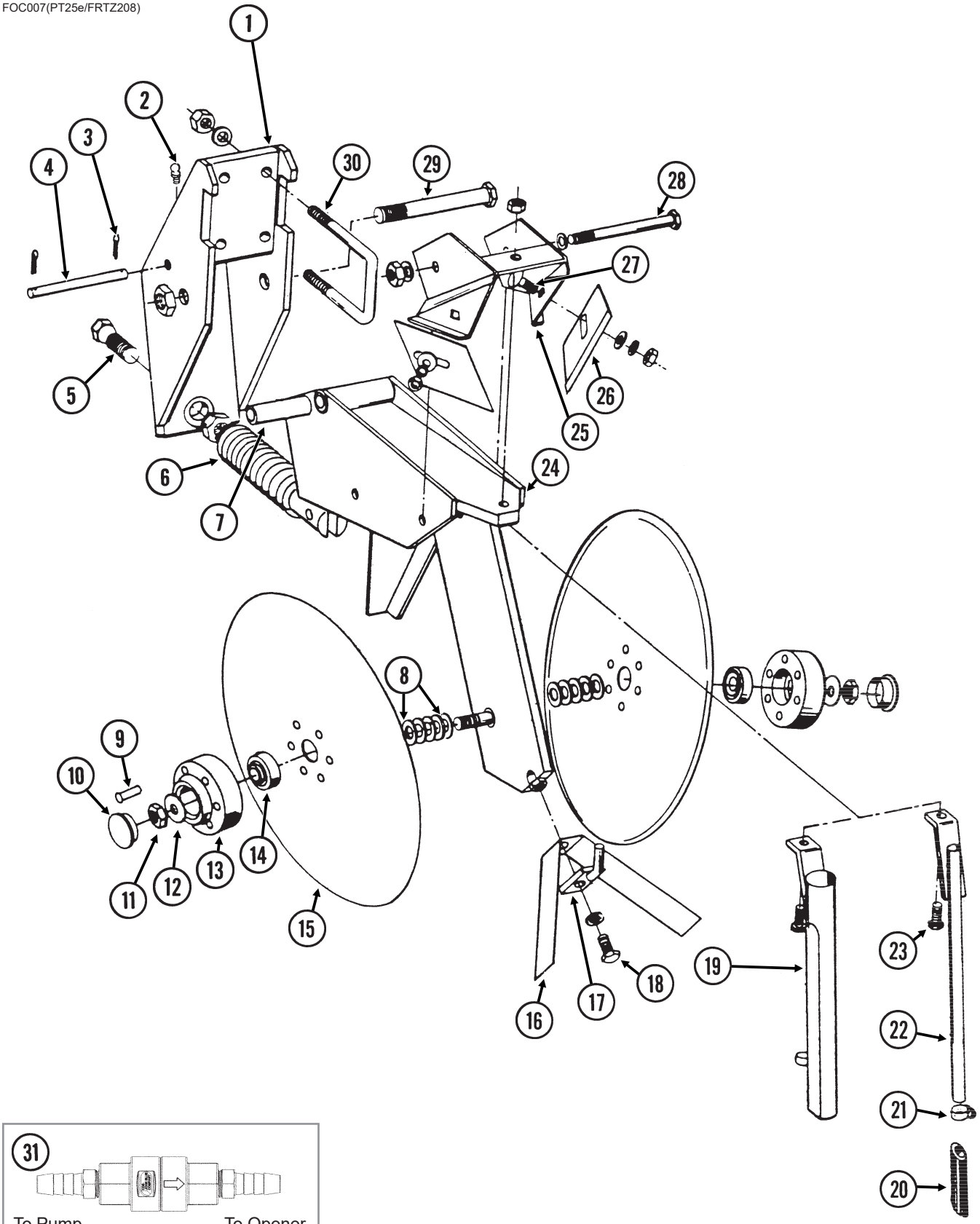

Magnetic Distance Sensor (MDS)
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Shaft Rotation Sensor
33
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Power Lead Adapter
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17
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23
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25
Radar Y-Cable
Adapter Harness
Planter Harness
18
19
20
Magnetic Distance Sensor (MDS) Adapter
Extension Harness
26
27
Junction Y-Harness
B A
28
B A
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C B A
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C B A
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22

ITEM	PART NO.	QTY.	DESCRIPTION
1	---	-	---
2	---	-	---
3	---	-	---
4	GA5600	1	Magnetic Distance Sensor
5	GD8751	-	Magnetic Distance Sensor Pulse Wheel
6	GD13348	-	Insulated Clamp, 11/16"
7	GD8770	1	Bracket
8	G10001 G10229 G10101	2 2 2	Hex Head Cap Screw, 3/8"-16 x 1" Lock Washer, 3/8" Hex Nut, 3/8"-16
9	GD8771	1	Spring Wave Washer
10	---	-	---
11	GA7856	1	Power Lead Adapter
12	GA9144	-	Monitor/Radar Adapter Cable, 10"
13	G1K267	-	Power Lead Adapter Connector Kit, Includes: (1) Cable Clamp, (1) 3-Pin Connector, (3) Male Terminal Pins
14	G1K268	-	Console Cable Connector Kit, Includes: (1) Cable Clamp, (1) 3-Pin Connector, (1) Lock Ring, (3) Female Terminal Pins
15	GA8046 GA9978	- -	Dust Plug (Black) Dust Plug (Blue)
16	G1K322	-	4-Pin Connector Kit W/Male Housing, (4) Female Socket Contacts and (1) Cable Clamp
17	---	-	Included In Planter Wiring Harness, See Item 2, on page P79
18	GA8021 GA8022 GA7850 GB1090	- - - -	Planter Harness W/Dust Caps, 4 Row (7 Connectors) Planter Harness W/Dust Caps, 6 Row (9 Connectors) (6 Row Mechanical) Planter Harness W/Dust Caps, 8 Row (12 Connectors) (6 Row Vacuum, 8 Row Mechanical/Vacuum) Dust Cap (Included W/GA8021, GA8022, and GA7850)
19	GA21515 GA20902	- -	Seed Tube W/Computerized Sensor Seed Tube (With Holes For Sensor Installation) (Included W/GA21515)
20	GA7859	1	Magnetic Distance Sensor Adapter (Analog To Digital)
21	G8647X GA12403 GR1762 GA16082	1 - - -	KPM III Backlit Console W/Brush (Item 23), Dust Plug (Item 15), Console Mounting Bracket Hardware and Power Harness 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 Console Mounting Bracket Hardware Package, Includes: (3) No. 10-32 x 5/8" Hex Socket Pan Head Plated Screw, (3) 1/4" Plated Lock Washers (Included W/G8647X) Power Harness (Included W/G8647X)
22	GA8047 GA9979	- -	Dust Plug (Black) Dust Plug (Blue)
23	GR0594	-	Brush
24	GR0586	1	Radar Y-Cable (Used To Connect Radar Distance Sensor For Multiple
25	GA7857	-	Adapter Harness, 1'
26	GA7854 GA7855 GB1090	- - -	Extension Harness W/Dust Cap, 15' Extension Harness W/Dust Cap, 30' Dust Cap (Included W/GA7854 and GA7855)
27	GA7853 GB1090	- -	Junction Y-Harness W/Dust Cap 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

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) Pin Contacts, (9) Seals
	G1K363	-	3-Pin Male Connector Kit (Blue), Includes: (3) 3-Pin Male Housings, (9) Pin Contacts, (9) Seals
32	GD11089	-	Sealing Plug
33	G10229401	2	Hex Head Cap Screw, ⅜"-16 x 8-1/2"
	G11387	1	Flat Washer, ⅜"
	G10108	2	Lock Nut, ⅜"-16
34	GD18118	2	Shaft Sensor Mount
35	GR1415	1	Rotation Sensor
36	GR1414	1	Actuator
37	GD18168	2	Mount
38	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
39	GD11474	2	Cover
40	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 Pkg. (Items 33, 34, and 37-40)
D	GA13522	-	Shaft Rotation Sensor (1 Sensor, 1 Actuator) (Items 35 and 36)

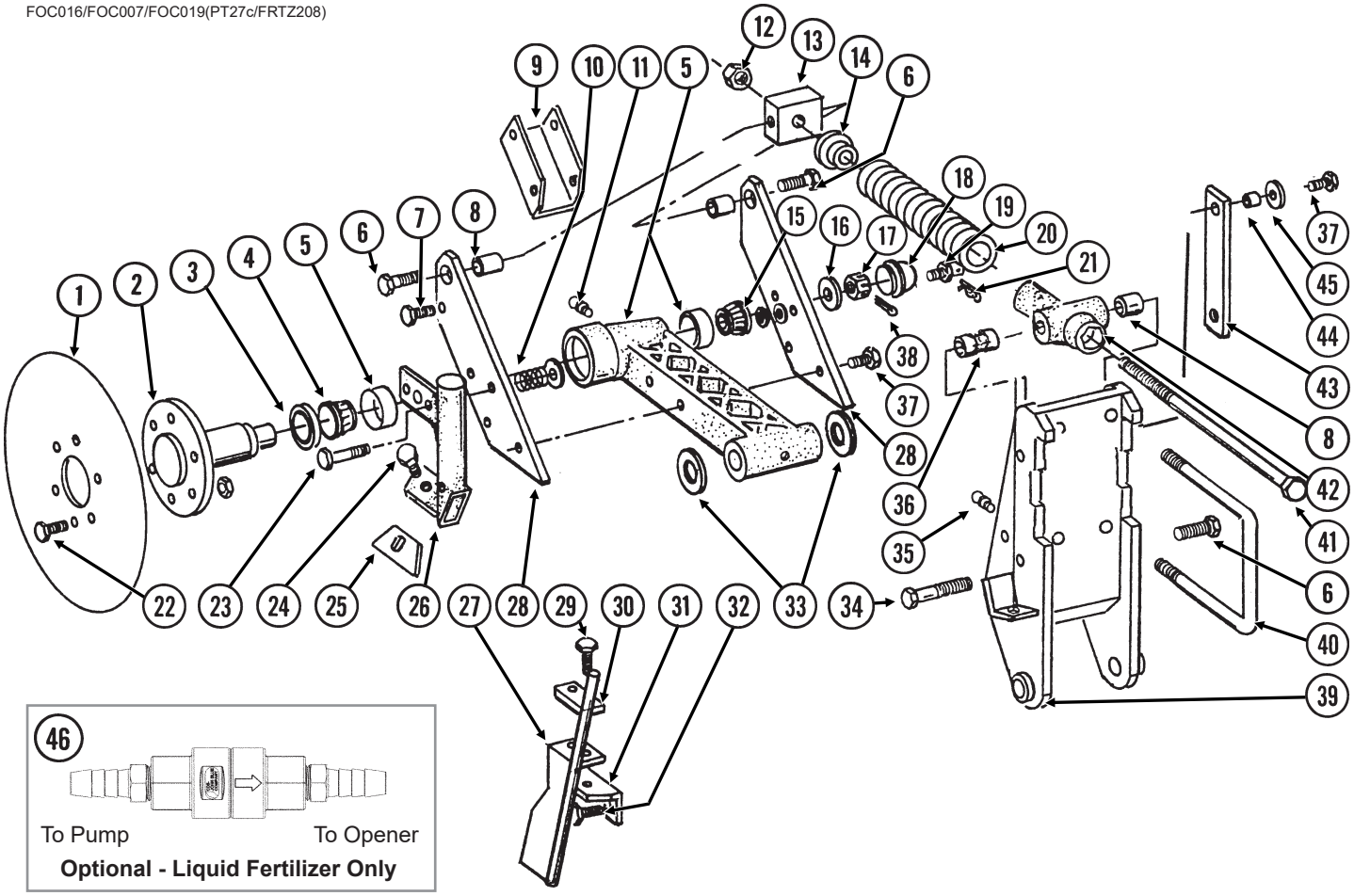
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FOC007(PT25e/FRTZ208)



ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	GA8483	1	Bracket
2	G10938	1	Grease Fitting, ¼"-28, Taper Threads
3	G10451	2	Cotter Pin, ⅛" x 1"
4	GD1657	1	Lockup Pin
5	GD0962	1	Hex Head Adjusting Bolt, ⅝"-18 x 3¼"
	G10499	1	Hex Jam Nut, ⅝"-18, Grade 2
6	GA0328	1	Spring
7	GD0487	1	Bushing, 41/64" I.D. x 3½" Long
8	GD30725	-	Machine Bushing, ⅝" (.030" Thick)
9	G10542	12	Rivet, ¼" x 15/16"
10	GD1132	2	Dust Cap
11	G10503	1	Hex Jam Nut, ⅝"-11, Grade 2
	G10504	1	Hex Jam Nut, ⅝"-11, L.H. Thread, Grade 2
12	G10397801	2	Bushing, 1 x .656 x 1
13	GB0134	2	Hub
14	GA2014	2	Bearing
15	GD11306	2	Disc Blade, 3.5 mm x 15"
16	GD2589	1	Inner Scraper
17	GA0312	1	Mount
18	G10019	1	Hex Head Cap Screw, 5/16"-18 x 1"
	G10232	1	Lock Washer, 5/16"
19	GA1369	-	Drop Tube, Dry Fertilizer
20	GD11705	-	Extension
21	G10681	-	Hose Clamp, No. 6
22	GA8685	-	Drop Tube, Liquid Fertilizer
23	G10133	1	Hex Head Cap Screw, 5/16"-18 x 1½"
	G11386	1	Flat Washer, 5/16" SAE
	G10109	1	Lock Nut, 5/16"-18, Grade 8
24	GA9195	1	Shank
25	GA0810	1	Scraper Mount
26	GD1673	2	Scraper
27	G10305	2	Carriage Bolt, ⅜"-16 x 1"
	G11387	2	Flat Washer, ⅜" SAE
	G10229	2	Lock Washer, ⅜"
	G10101	2	Hex Nut, ⅜"-16
28	G10045	1	Hex Head Cap Screw, ½"-13 x 4½"
	G10111	1	Lock Nut, ½"-13
29	G10046	1	Hex Head Cap Screw, ⅝"-11 x 5"
	G10107	1	Lock Nut, ⅝"-11
30	GD1138	2	U-Bolt, 2½" x 2½" x½"-13
	G10228	4	Lock Washer, ½"
	G10102	4	Hex Nut, ½"-13
31	GA15416	1	Check Valve Assembly
	GA15415	1	Check Valve (Included W/GA15416)
	G11436	2	Hose Barb, ¼" Male NPT To ⅜" Barb (Included W/GA15416)
A	GA8845	-	Disc Blade and Bearing Assembly (Items 9 and 13-15)

FOC016/FOC007/FOC019(PT27c/FRTZ208)

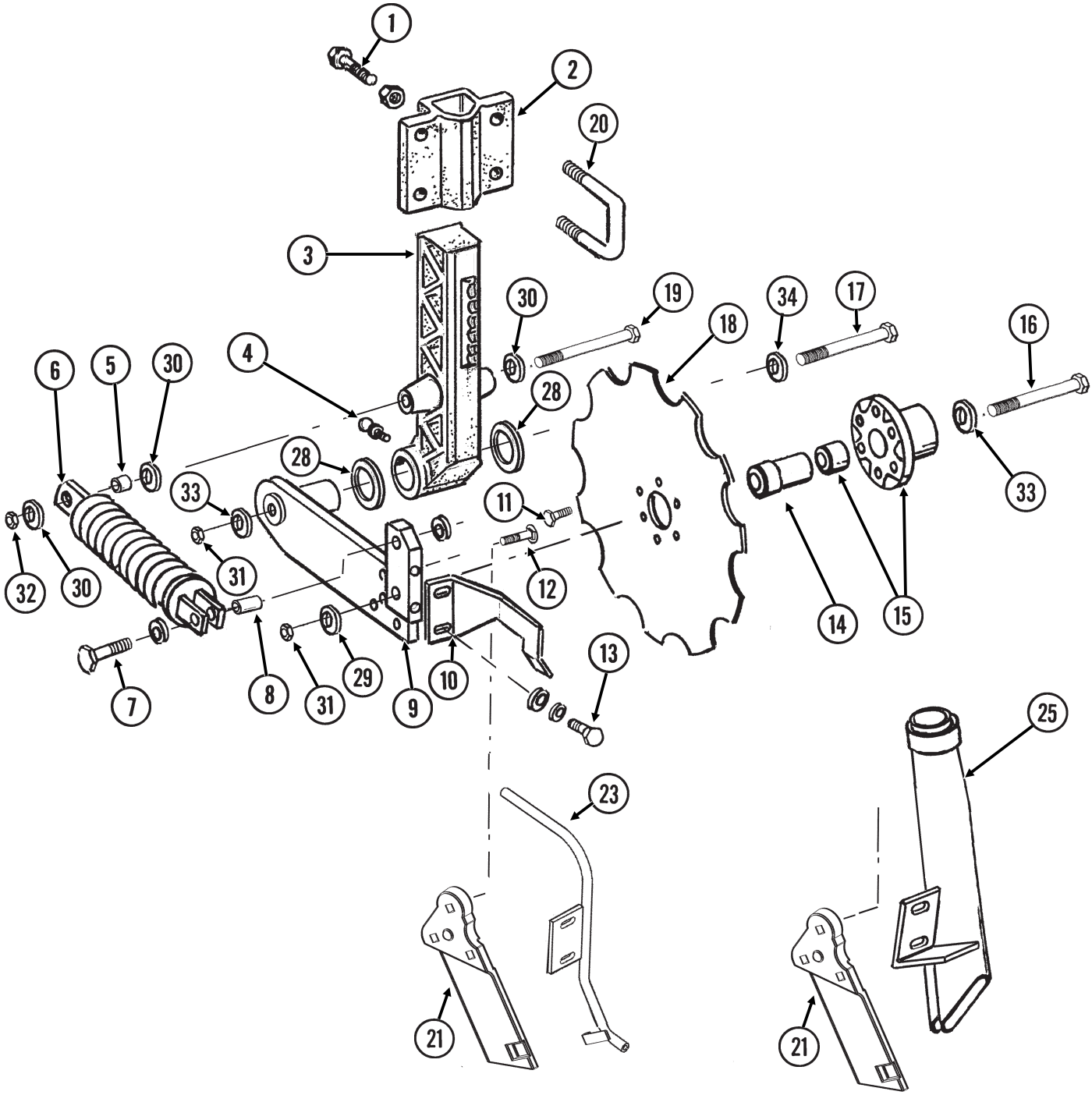


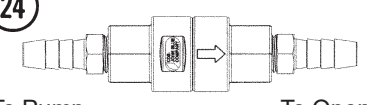
ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	GD7900	1	Disc Blade, 18"
	GD8247	-	Disc Blade, 20" (Optional)
2	GB0205	1	Spindle
3	GA4286	1	Seal
4	GA4287	1	Bearing
5	GA5887	1	Arm W/Cups and Washers
	GD6553	-	Inner Cup (Included W/GA5887)
	GR0188	-	Outer Cup (Included W/GA5887)
	G11391	3	Flat Washer, ⅝" SAE (Included W/GA5887)
6	G10007	3	Hex Head Cap Screw, ⅝"-11 x 1½"
7	G10001	2	Hex Head Cap Screw, ⅜"-16 x 1"
	G10108	2	Lock Nut, ⅜"-16
8	GB0218	3	Bushing, ²¹⁄₃₂" I.D. x ⅞" O.D. x ¹⁹⁄₃₂" Long
9	GD8238	1	Channel
10	GD7962	2	Spring
11	G10641	2	Grease Fitting, ⅛" NPT
12	G10105	3	Hex Nut, ¾"-10
13	GD7908	1	Tap Block
14	GD34923	1	Spring Seat
15	GA0237	1	Bearing
16	G10220	1	Machine Bushing, 1¹⁄₁₆", 10 Gauge

ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
17	G10507	1	Slotted Nut, 1"-14
18	GD1104	1	Dust Cap
19	GD8276	1	Pin
	G10237	1	Lock Washer, 7/16"
	G10100	1	Hex Nut, 7/16"-14
20	GD10273	1	Compression Spring
21	G10592	1	Hair Pin Clip, No. 11
22	G10594	6	Bolt, 1/2"-13 x 1 1/2"
	G10111	6	Lock Nut, 1/2"-13
23	G10049	2	Hex Head Cap Screw, 3/8"-16 x 2 1/2"
	G11387	2	Flat Washer, 3/8" SAE
	G10108	2	Lock Nut, 3/8"-16
24	G10599	1	Carriage Bolt, 3/8"-16 x 1 1/4"
	G11387	1	Flat Washer, 3/8" SAE
	G10229	1	Lock Washer, 3/8"
	G10101	1	Hex Nut, 3/8"-16
25	GD7912	1	Scraper
26	GB0210	-	Drop Tube, R.H., Dry Fertilizer
	GB0209	1	Drop Tube, L.H., Dry Fertilizer (Shown)
27	GA8689	1	Drop Tube, L.H., Liquid Fertilizer (Shown)
	GA8688	-	Drop Tube, R.H., Liquid Fertilizer
28	GD8224	2	Bar
29	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G10229	2	Lock Washer, 3/8"
30	GD10487	1	Clamp
31	GD10304	-	Angle, R.H.
	GD10303	1	Angle, L.H. (Shown)
32	G10016	2	Hex Head Cap Screw, 1/2"-13 x 2"
	G10111	2	Lock Nut, 1/2"-13
33	G10322	-	Machine Bushing, 1 1/4", 18 Gauge (As Required)
34	G10862	1	Hex Head Cap Screw, 5/8"-11 x 3 1/4"
	G11391	2	Flat Washer, 5/8" SAE
	G10230	1	Lock Washer, 5/8"
35	G10640	1	Grease Fitting, 1/4"-28
36	GD10242	1	Bushing, 2 1/4"
37	G10039	5	Hex Head Cap Screw, 1/2"-13 x 1 3/4"
	G10111	5	Lock Nut, 1/2"-13
38	G10459	1	Cotter Pin, 3/16" x 1 1/2"
39	GA7240	-	Opener Mount, R.H.
	GA7239	1	Opener Mount, L.H. (Shown)
40	GD1114	2	U-Bolt, 7" x 7" x 5/8"-11 (8 1/2" Long)
	GD14559	-	U-Bolt, 7" x 7" x 5/8"-11 (9" Long)
	G10230	4	Lock Washer, 5/8"
	G10104	4	Hex Nut, 5/8"-11
41	GD7907	1	Special Bolt
42	GB0206	1	Rod Guide
43	GD8239	1	Storage Strap
44	GD7904-02	1	Sleeve, 1/2" x 1/2" Long
45	G11389	3	Flat Washer, 1/2" SAE
46	GA15416	-	Check Valve, Low Rate
	GA15415	1	Check Valve (Included W/GA15416)
	G11436	2	Hose Barb, 1/4" Male NPT To 3/8" Barb (Included W/GA15416)

(FRTZ268b/A15416)

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

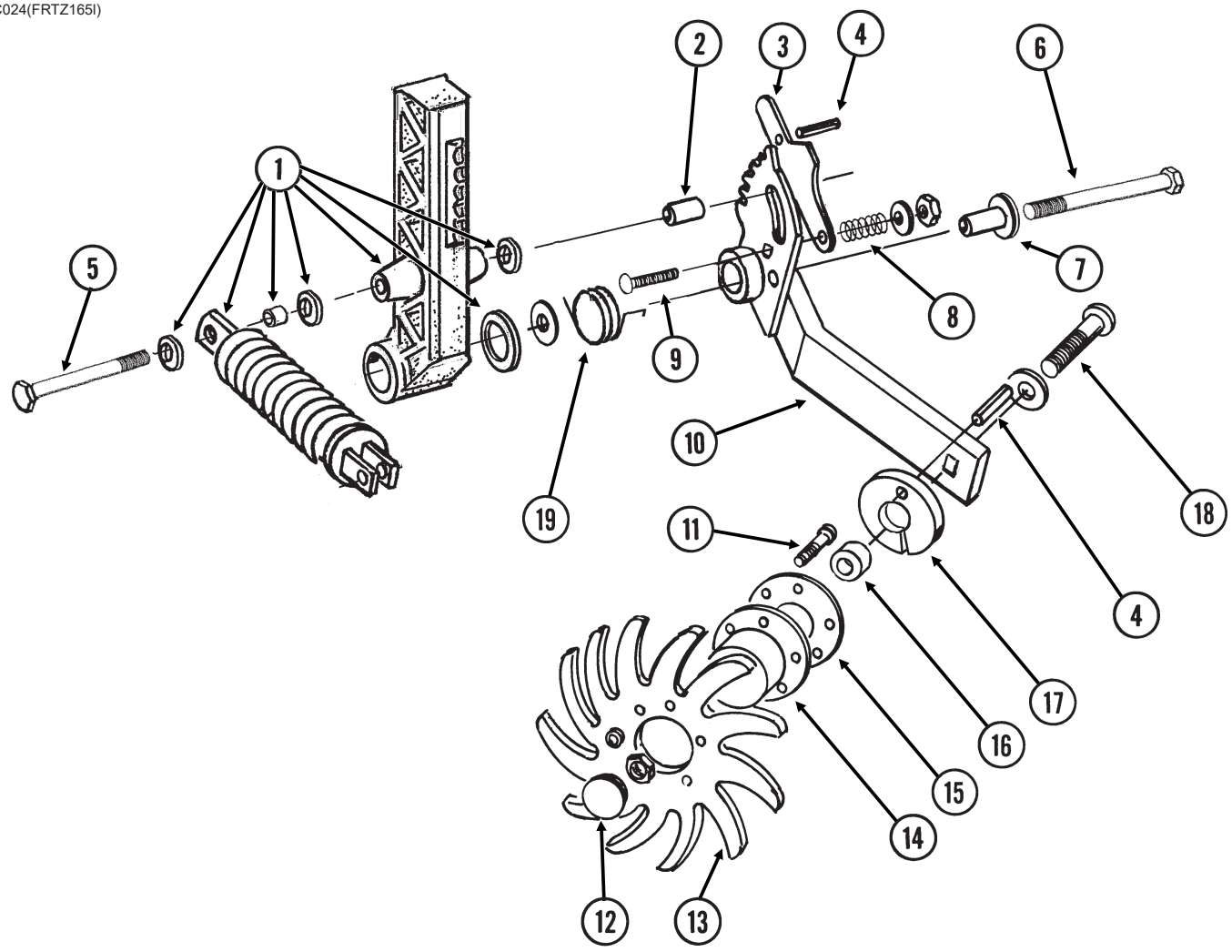




Optional - Liquid Fertilizer Only

ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	G10017 G10102	3 3	Hex Head Cap Screw, ½"-13 x 1½" Hex Nut, ½"-13
2	GB0400 GB0405	1	Mount, R.H. Mount, L.H. (Shown)
3	GB0296	1	Arm, 13 ½"
4	G10640	1	Grease Fitting, ¼"-28
5	GD12685	1	Bushing, ¾" O.D. x ½" Long
6	GA6966	1	Compression Spring Assembly
7	G10047 G11387 G10108	1 2 1	Hex Head Cap Screw, ⅜"-16 x 1¾" Flat Washer, ⅜" SAE Lock Nut, ⅜"-16
8	GD1026	1	Sleeve, 1 3/16" Long
9	GA9433 GA9434	1 -	Pivot Arm, L.H. (Shown) Pivot Arm, R.H.
10	GD11557 GD11558	1 -	Scraper, L.H. (Shown) Scraper, R.H.
11	G10002	6	Hex Head Cap Screw, ⅜"-16 x ¾"
12	G10306 G10108	3 3	Carriage Bolt, ⅜"-16 x 2" Lock Nut, ⅜"-16
13	G10991 G10232 G11386	2 2 6	Hex Head Cap Screw, 5/16"-18 x ⅞" Lock Washer, 5/16" Flat Washer, 5/16" SAE
14	GD12679	1	Stepped Spacer, 3" Long
15	GA9437 GA8603	1 -	Hub W/Bearing Bearing, Double Row
16	G10011	1	Hex Head Cap Screw, ⅝"-11 x 5½"
17	G10046	1	Hex Head Cap Screw, ⅝"-11 x 5"
18	GD12676	1	Disc Blade, Notched, 16¾"
19	G10871	1	Hex Head Cap Screw, ½"-13 x 6"
20	GD13287 G11389 G10111	2 4 4	U-Bolt, 1½" x 2½" x ½"-13 Flat Washer, ½" Plated SAE Lock Nut, ½"-13
21	GB0323 GB0322	1 -	Knife, L.H. (Shown) Knife, R.H.
22			
23	GA10047 GA10048	1 -	Drop Tube, L.H., Dry Fertilizer Drop Tube, R.H., Dry Fertilizer (Shown)
24	GA15416 GA15415 G11436	1 1 2	Check Valve Assembly Check Valve Hose Barb, ¼" Male NPT To ⅜" Barb
25	GA10047 GA10048	1 -	Drop Tube, L.H., Dry Fertilizer Drop Tube, R.H., Dry Fertilizer (Shown)
26			
27			
28	G10450	-	Machine Bushing, 1½", 18 Gauge (As Required)
29	GD12677	1	Washer, 1½" O.D., 7 Gauge, Hardened
30	G11389	-	Flat Washer, ½" Plated SAE
31	G10107	-	Lock Nut, ⅝"-11
32	G10111	-	Lock Nut, ½"-13
33	G11391	-	Flat Washer, ⅝" SAE
34	G10217	-	Washer, ⅝" USS

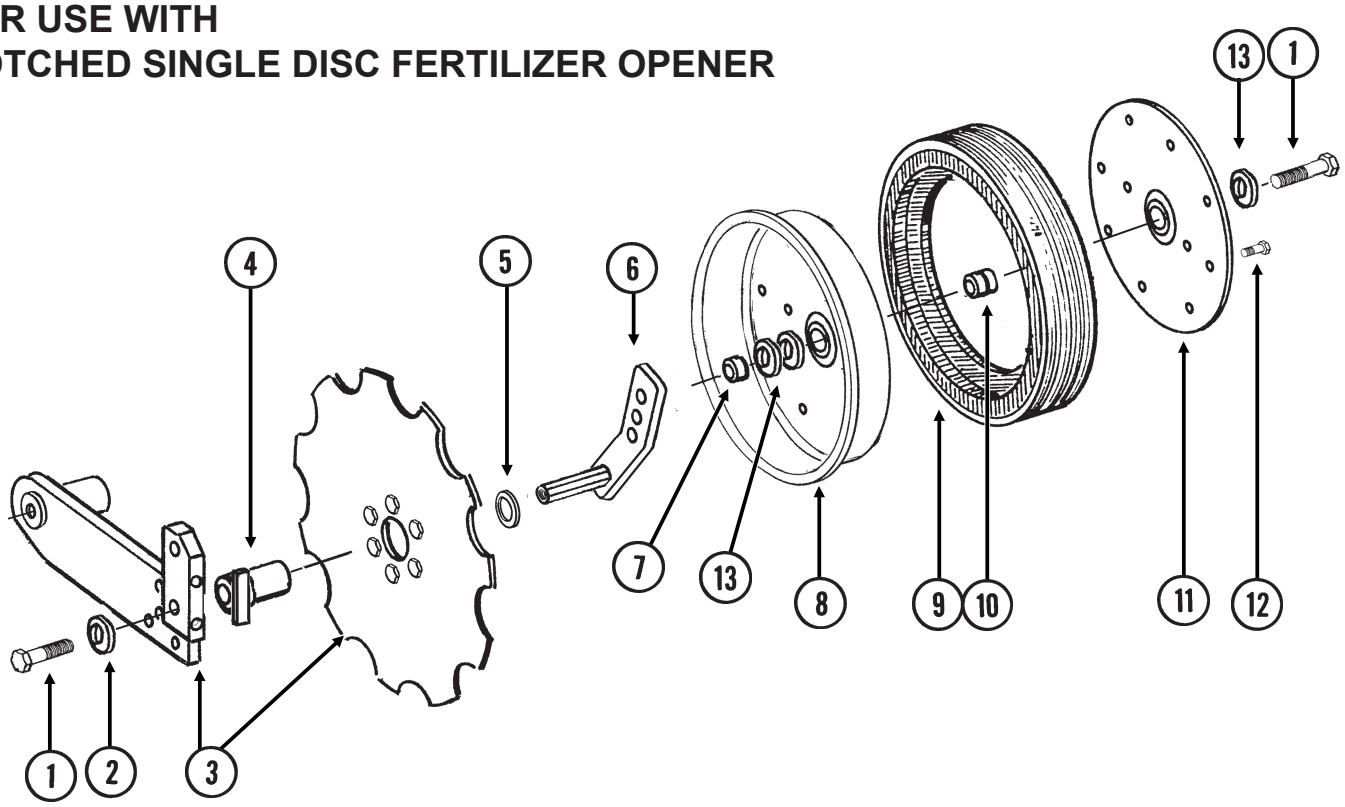
DFC024(FRTZ165I)



ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	---	-	See “Notched Single Disc Fertilizer Opener” on page P88
2	GD12684	1	Bushing, 1⅓" Long
3	GD11178	1	Adjustment Lever
4	G10603	2	Spring Pin, ¼" x 1¼"
5	G11034 G10111	1 1	Hex Head Cap Screw, ½"-13 x 7" Lock Nut, ½"-13
6	G10830 G11391 G10107	1 1 1	Hex Head Cap Screw, ⅝"-11 x 7½" Flat Washer, ⅝" SAE Lock Nut, ⅝"-11
7	GD11836	1	Sleeve, 2⅛" Long
8	GD7962	1	Spring
9	G10306 G11387 G10108	1 1 1	Carriage Bolt, ⅜"-16 x 2" Flat Washer, ⅜" SAE Lock Nut, ⅜"-16
10	GA7999 GA7998 G10640	1 - -	Mount W/Grease Fitting, L.H. (Shown) Mount W/Grease Fitting, R.H. Grease Fitting, ¼"-28 (Included W/GA7999 and GA7998)
11	G10133 G10109	6 6	Hex Head Cap Screw, ⅝"-18 x 1½" Lock Nut, ⅝"-18, Grade 8
12	GD1132	2	Dust Cap
13	GD10552	2	Wheel, 12 Tine, ⅜" x 12"
14	GA5654 GA2014	1 -	Hub W/Bearings Bearing (Included W/GA5654)
15	GD9724	1	Backing Plate
16	GD7817-04	1	Spacer, 1⅛" I.D. x ½" Long
17	GD11188	1	Spacer
18	G10908 G10503	1 1	Carriage Bolt, ⅝"-11 x 3" Hex Jam Nut, ⅝"-11, Grade 2
19	GD11265 GD11266	1 -	Spring, L.H. (Shown) Spring, R.H.
A	GA7445 GA7446	- -	Wheel Assembly, 12 Tine, L.H. (Items 11 and 13-15)(Shown) Wheel Assembly, 12 Tine, R.H. (Items 11 and 13-15)

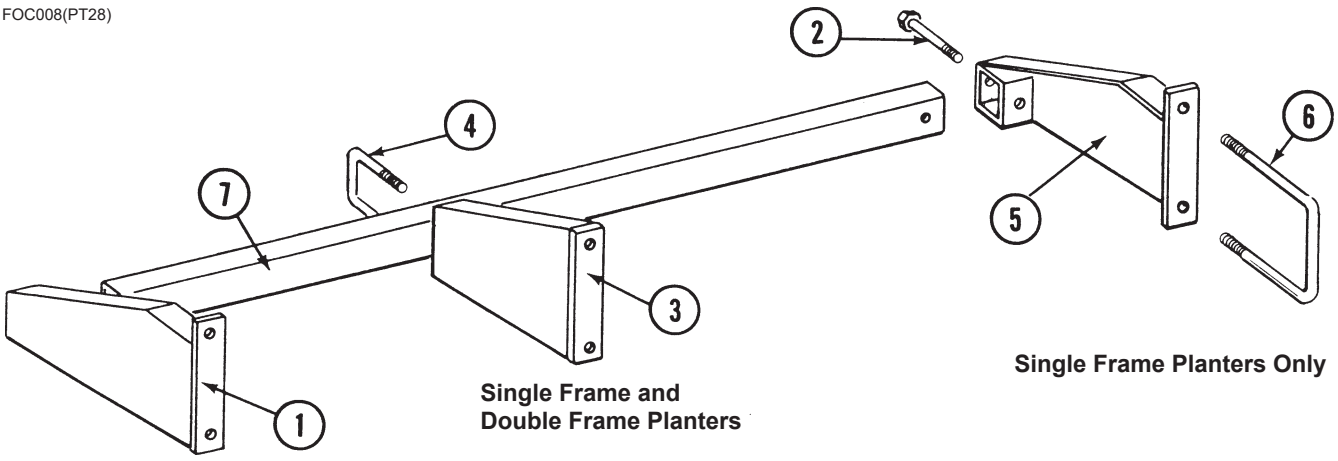
(FRTZ256)

FOR USE WITH NOTCHED SINGLE DISC FERTILIZER OPENER



ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	G10010	2	Hex Head Cap Screw, ⅝"-11 x 3"
2	G11391	1	Flat Washer, ⅝" SAE
3	---	-	See “Notched Single Disc Fertilizer Opener” on page P88
4	GA9472	1	Blade Mount
5	G10233	1	Machine Bushing, 1", 10 Gauge
6	GA10037 GA10036	1 1	Wheel Mount, L.H. (Shown) Wheel Mount, R.H.
7	GD13309	1	Spacer
8	GD11423	1	Half Wheel
9	GD11953	1	Offset Tire
10	GA6171	1	Bearing
11	GD11954	1	Half Wheel Cover, Nylon
12	G10961 G10620	11 11	Flanged Whiz Lock Screw, 5⁄16"-18 x ¾", No Serration Serrated Flange Nut, 5⁄16"-18
13	G10397801	-	Bushing, 1 x .656 x 1 (As Required)
A	GA8877	-	Gauge Wheel Complete (Items 8-12)

FOC008(PT28)



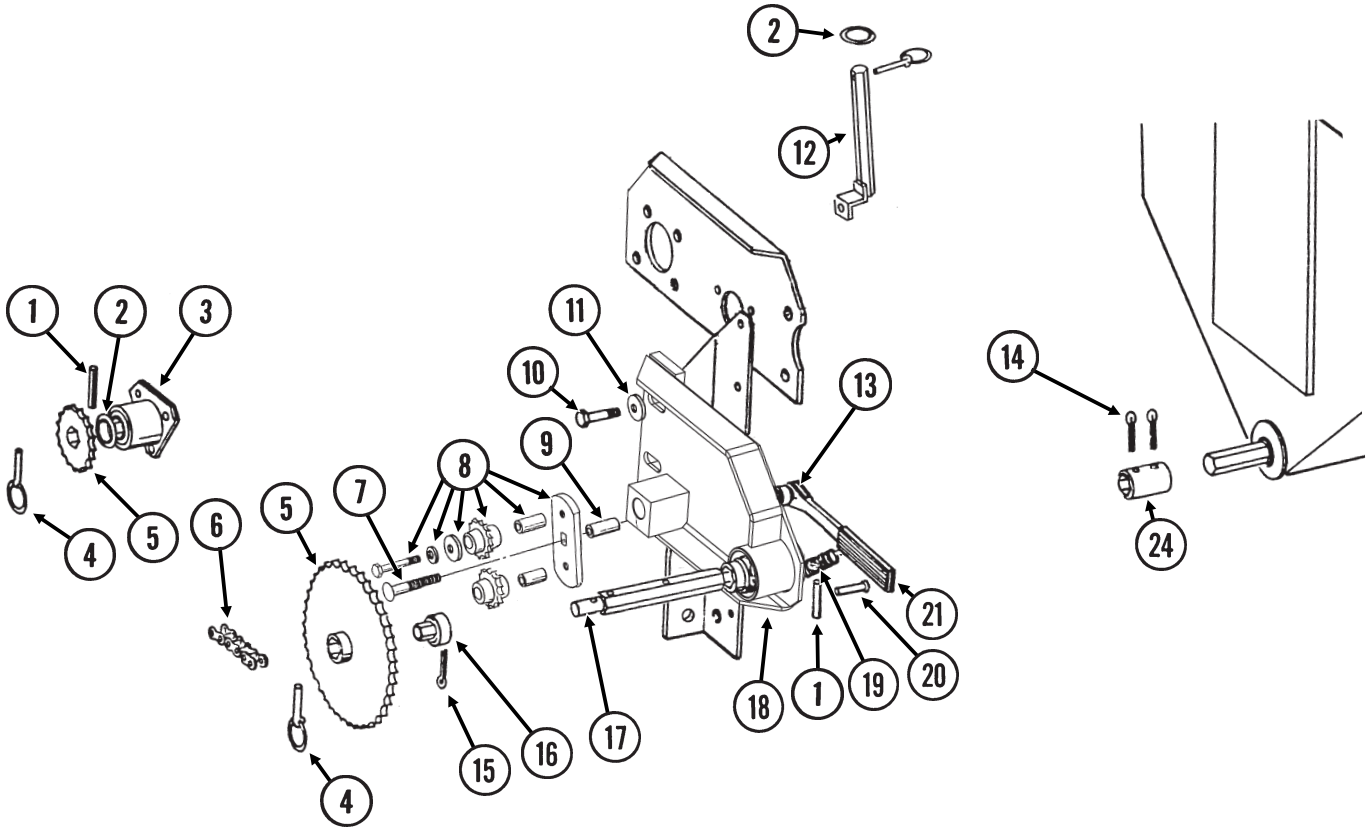
Single Frame and Double Frame Planters

Single Frame Planters Only

Single Frame Planters Only

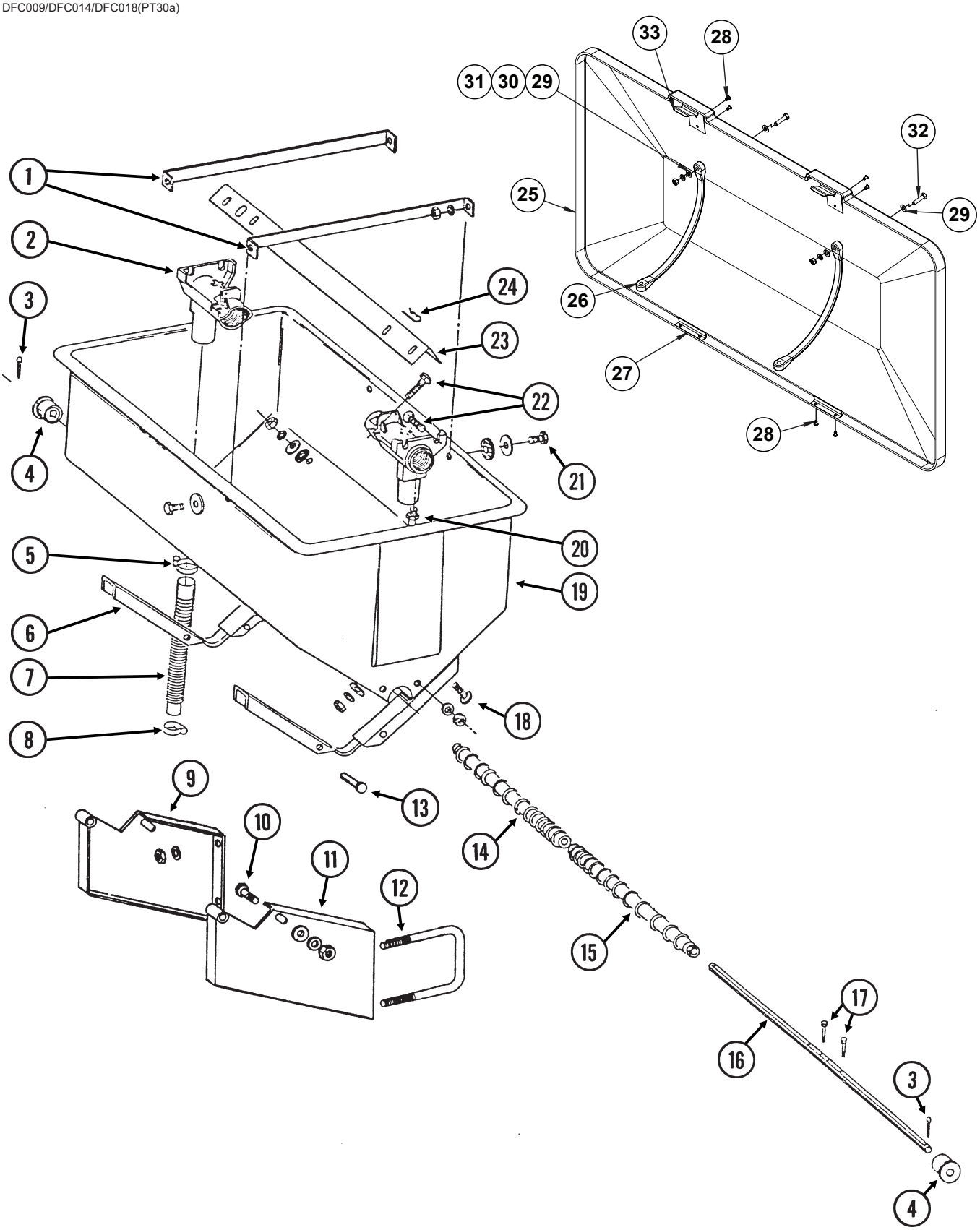
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA5231	1	Support, L.H., Single Frame Planters Only
2	G10035	2	Hex Head Cap Screw, ½"-13 x 4"
	G10228	2	Lock Washer, ½"
	G10102	2	Hex Nut, ½"-13
3	GA5237	1	Support,19" Long, L.H. (Shown), 8 Row Single Frame Planters
	GA5236	1	Support,19" Long, R.H., 8 Row Single Frame Planters
	GA9431	1	Support,18⅛" Long, L.H., 8 Row Double Frame Planters
	GA9430	1	Support,18⅛" Long, R.H., 8 Row Double Frame Planters
4	GD1138	2	U-Bolt, 2½" x 2½" x ½"-13
	G10228	4	Lock Washer, ½"
	G10102	4	Hex Nut, ½"-13
5	GA5230	1	Support, R.H., Single Frame Planters Only
6	GD1114	2	U-Bolt, 7" x 7" x ⅝"-11
	G10230	4	Lock Washer, ⅝"
	G10104	4	Hex Nut, ⅝"-11
7	GD1685-13	1	Toolbar, 2½" x 2½" x 165", 6 Row
	GD1685-16	-	Toolbar, 2½" x 2½" x 225", 8 Row
A	G6795X	-	Support Bundle (Items 1, 2, 4, 5 and 6)

(PT29f)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10602	2	Spring Pin, ¼" x 1½"
2	G10233	2	Machine Bushing, 1", 10 Gauge
3	GA5223	1	Spacer W/Bearing
	GA5116	-	Bearing, ⅞" Hex Bore, Cylindrical (Included W/GA5116)
4	GD2558	3	Lynch Pin, ¼"
5	GA5105	1	Sprocket, 15 Tooth
	GA5107	1	Sprocket, 19 Tooth
	GA5114	1	Sprocket, 30 Tooth
	GA5115	1	Sprocket, 33 Tooth
	GA6337	1	Sprocket, 35 Tooth
6	G3310-98	1	Chain, No. 40, 98 Pitch Including Connector Link
	GR0912	-	Connector Link, No. 40
7	G10419	1	Carriage Bolt, ½"-13 x 4½"
	G10111	1	Lock Nut, ½"-13
8	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, ⅜" SAE (Included W/GA7336)
	G10229	-	Lock Washer, ⅜" (Included W/GA7336)
	G10047	-	Hex Head Cap Screw, ⅜"-16 x 1¾" (Included W/GA7336)
9	GD3180-17	1	Sleeve, ⅝" I.D. x ⅞" O.D. x 2 5⁄16" Long
10	G10053	2	Hex Head Cap Screw, ½"-13 x 2½"
	G10585	1	Hex Head Cap Screw, ½"-13 x 3¼"
	G10033	1	Hex Head Cap Screw, ½"-13 x 3½"
	G10016	2	Hex Head Cap Screw, ½"-13 x 2"
	G10228	2	Lock Washer, ½"
	G10102	2	Hex Nut, ½"-13
11	G11389	2	Flat Washer, ½" Plated SAE
12	GA7313	1	Sprocket Storage Rod
13	GD10161	1	Spacer, ⅜"
14	G10460	-	Cotter Pin, ¼" x 2"
15	G10821	1	Clevis Pin, 3⁄16" x 2"
	G10455		Cotter Pin, 1⁄16" x ½"
16	GD7127	1	Shear Coupler
17	GD7870	1	Shaft, 7"
18	GA21798	1	Plate W/Bearings and Grease Fitting
	GA5116	-	Bearing, ⅞" Hex Bore, Cylindrical (Included W/GA21798)
	GA5624	-	Special Bearing, ⅞" Hex Bore x 1.6" (Included W/GA21798)
	G10640	-	Grease Fitting, ¼"-28 (Included W/GA21798)
19	GD5857	1	Spring
20	G10408	1	Clevis Pin, 5⁄16" x ¾"
	G10409	1	Retaining Ring, 5⁄16"
21	GA4235	1	Ratchet Arm W/Protective Closure
	G10445	-	Protective Closure
22	---	-	---
23	---	-	---
24	GD5886	-	Coupler, 1¾"

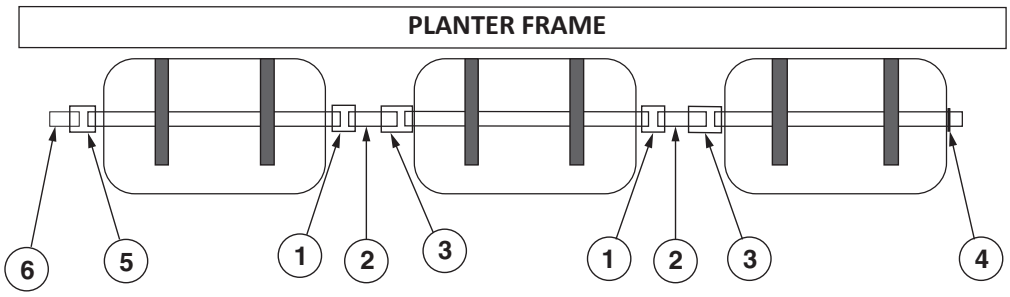
DFC009/DFC014/DFC018(PT30a)



ITEM	PART NO.	QTY. (Per Hopper)	DESCRIPTION
1	GD1209	2	Strap
2	GD1200	2	Outlet Housing
3	G10460	2	Cotter Pin, ¼" x 2"
4	GB0200	2	Bearing
5	G10676	2	Hose Clamp, No. 36, Stainless Steel
6	GA5652	2	Saddle
7	GD21398	2	Rubber Tube
8	G10672	2	Hose Clamp, No. 28
9	GA0864	1	Hopper Mount, R.H.
10	G10037	2	Hex Head Cap Screw, ½"-13 x 1¼"
	G11389	2	Flat Washer, ½" SAE
	G10228	2	Lock Washer, ½"
	G10102	2	Hex Nut, ½"-13
11	GA0863	1	Hopper Mount, L.H.
12	GD1114	2	U-Bolt, 7" x 7" x ⅝"-11
	G10177	-	Hex Head Cap Screw, ⅝"-11 x 9½"
	G10230	4	Lock Washer, ⅝"
	G10104	4	Hex Nut, ⅝"-11
13	G10561	2	Clevis Pin, ½" x 3"
	G10451	2	Cotter Pin, ⅛" x 1"
14	GB0198	1	Auger, R.H.
15	GB0199	1	Auger, L.H.
16	GD7848	1	Shaft
17	G10587	2	Hex Head Cap Screw, ¼"-20 x 2", Stainless Steel
	G10588	2	Hex Nut, ¼"-20, Stainless Steel
18	G10303	8	Carriage Bolt, 5⁄16"-18 x 1"
	G10201	8	Special Washer, ⅜" x 1½" O.D.
	GD1213	8	Rubber Washer
	G10232	8	Lock Washer, 5⁄16"
	G10106	8	Hex Nut, 5⁄16"-18
19	GD1379	1	Hopper
20	G10640	2	Grease Fitting, ¼"-28
21	G10171	4	Hex Head Cap Screw, 5⁄16"-18 x 1¼"
	G10201	4	Special Washer, ⅜" x 1½" O.D.
	GD1213	4	Rubber Washer
	G10232	4	Lock Washer, 5⁄16"
	G10106	4	Hex Nut, 5⁄16"-18
22	G10303	8	Carriage Bolt, 5⁄16"-18 x 1"
	G11386	8	Flat Washer, 5⁄16" SAE
	G10232	8	Lock Washer, 5⁄16"
	G10106	8	Hex Nut, 5⁄16"-18
23	GD1207	1	Baffle
24	G10670	2	Hair Pin Clip, No. 3
25	GD1654	1	Hopper Lid w/ Kinze Logo
26	GD1210	2	Rubber Strap
27	GD2412	2	Rear Retainer
28	G10655	8	Rivet, 3/16” x 13/32”
29	G11386	4	Flat Washer, 5⁄16” SAE
30	G10232	2	Lock Washer, 5/16”
31	G10106	2	Hex Nut, 5/16”-18
32	G10171	2	Hex Head Cap Screw, 5/16”-18 x 1 ¼”
33	GD1380	2	Front Clip
A	GA5666	-	Hopper Sub-Assembly (Items 2,6,18,19, 22 and 24)
B	GA5667	-	Hopper Hardware Box (Items 1, 3, 4, 14-17, 21, 23 and 26)
C	GA0898	-	Hopper Lid w/ Kinze Logo (Items 25-33)

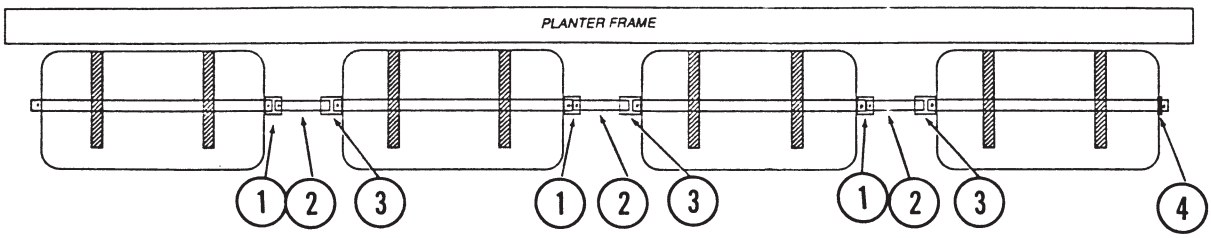
RH101190(PT31/PT32/PT33/PT34/PT35)

6 Row



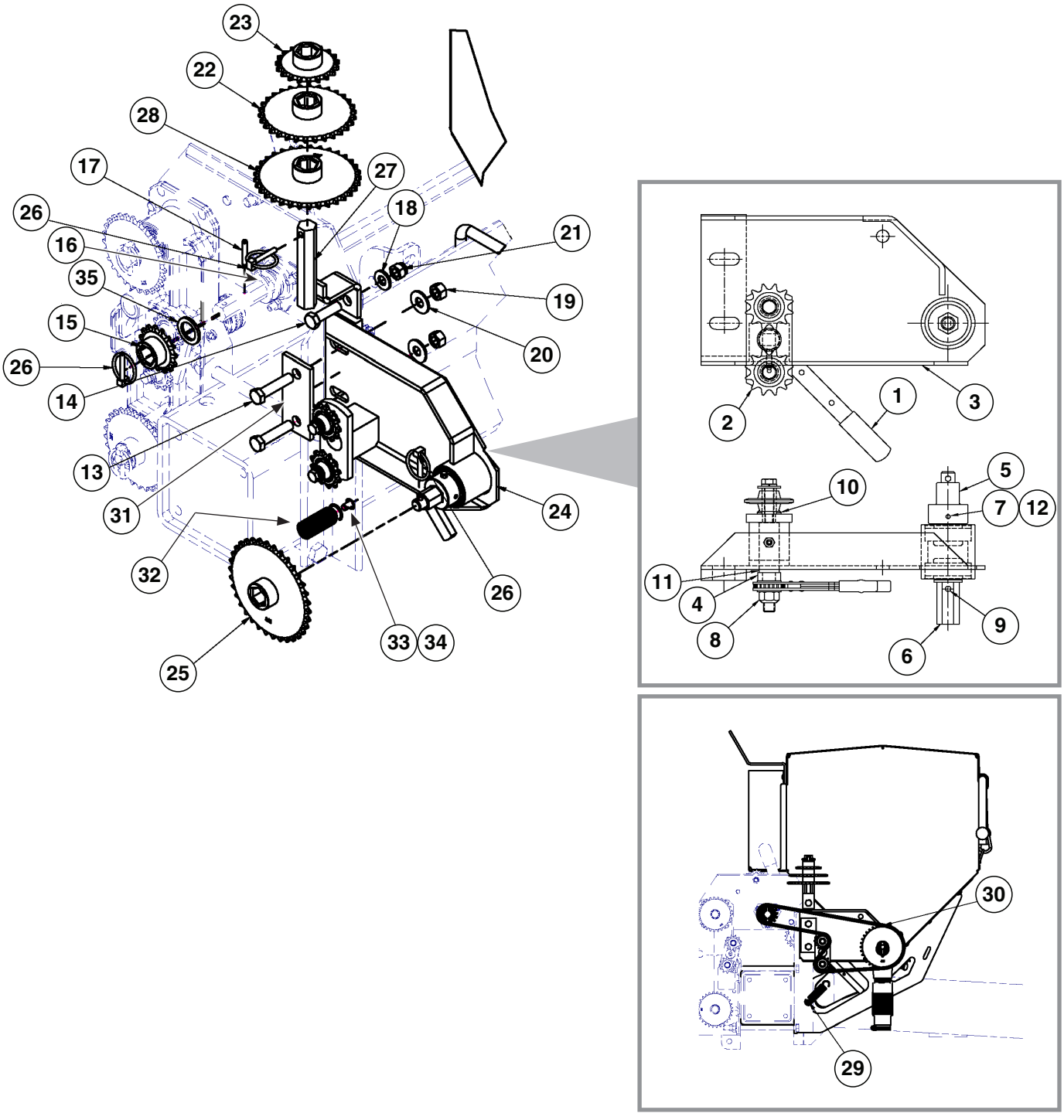
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD5886	2	Coupler, 1¾"
2	G10216501	2	Hex Shaft, ⅞" x 12"
3	GD7867	2	Coupler, 3"
4	G10233	2	Machine Bushing, 1", 10 Gauge
5	GD5961	1	Coupler, 2-1/4”
6	G10216502	1	Hex Shaft, ⅞” x 3.75”

8 Row



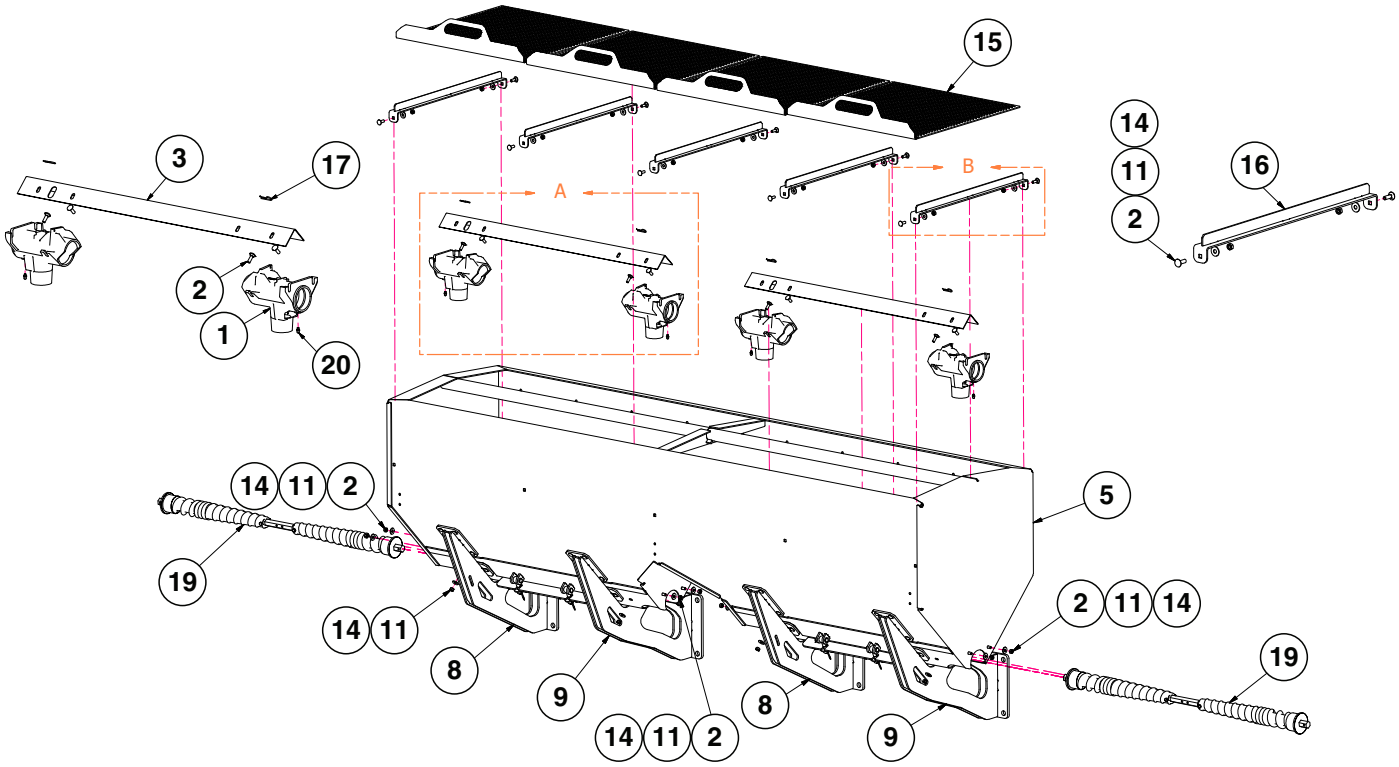
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD5886	-	Coupler, 1¾"
2	GD2548-15.5	-	Hex Shaft, ⅞" x 15½" (1 Hole)
3	GD7867	-	Coupler, 3"
4	G10233	2	Machine Bushing, 1", 10 Gauge

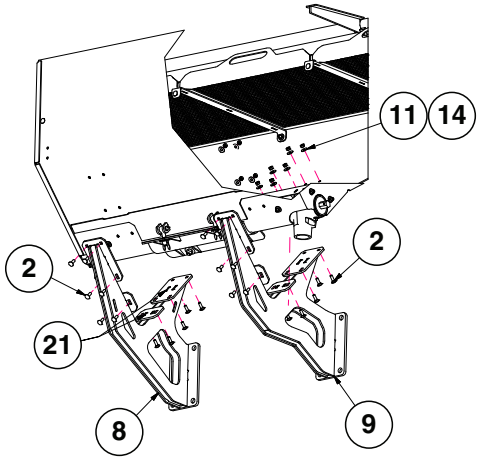
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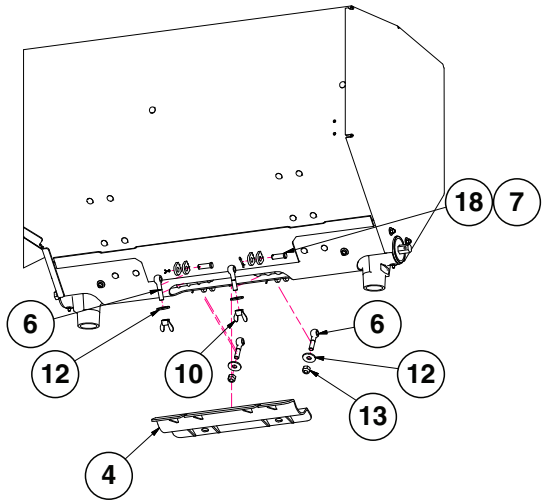
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA4235	1	Ratchet Wrench Assembly
2	GA7336	1	Double Idler Sprocket
3	GA21798	1	Fertilizer Transmission Assembly
4	GD10161	1	Spacer Idler Sprocket
5	GD7127	1	Shear Coupler
6	GD7870	1	Hex Shaft
7	G10821	1	Clevis Pin, 3/16" x 2"
8	G10111	1	Hex Locknut, 1/2"-13
9	G10602	1	Spring Pin, 1/4" x 1-1/2"
10	G10419	1	Carriage Bolt, 1/2"-13 x 4-1/2"
11	GD3180-17	1	Sleeve, 7/8" O.D. x .635 I.D. x 2-5/16"
12	G10455	1	Cotter Pin, 1/16" x 1/2"
13	G10016	2	Hex Head Cap Screw, 1/2"-13 x 2"
14	G10017	1	Hex Head Cap Screw, 1/2" x 1-1/2"
15	GA5105	1	Sprocket No. 40, 15 Tooth
16	G10233	1	Bushing, 1-1/2" x 1-1/32" x 10
17	G10602	1	Spring Pin, ¼" x 1 ½"
18	G11389	1	Flat Washer, ½" Plated SAE
19	G10102	2	Hex Nut, 1/2" x 1-1/32"
20	G10216	2	Flat Washer, 1/2" USS
21	G10111	1	Hex Locknut, 1/2"-13
22	GA5114	1	Sprocket No. 40, 30 tooth
23	GA5107	1	Sprocket No. 40, 19 Tooth
24	GA6121	1	Fertilizer Transmission Assembly
25	GA6337	1	Sprocket No. 40, 35 Tooth
26	GD2558	3	Lynch Pin, 1/4"
27	GA7313	1	Sprocket Storage Rod
28	GA5115	1	Sprocket No. 40, 33 Tooth
29	G10408	1	Clevis Pin, 5/16" x 3/4"
30	G3310-98	1	Chain, No. 40, 98 Pitch, Including Connector Link
31	GD8246	1	Overlay Bar, 1/4" x 2-1/4" x 4-1/2"
32	GD5857	1	Spring
33	G10408	1	Clevis Pin, 5/16" x 3/4"
34	G10409	1	External Retaining Ring, M10
35	GA5223	1	Spacer Assemly

(11040401)





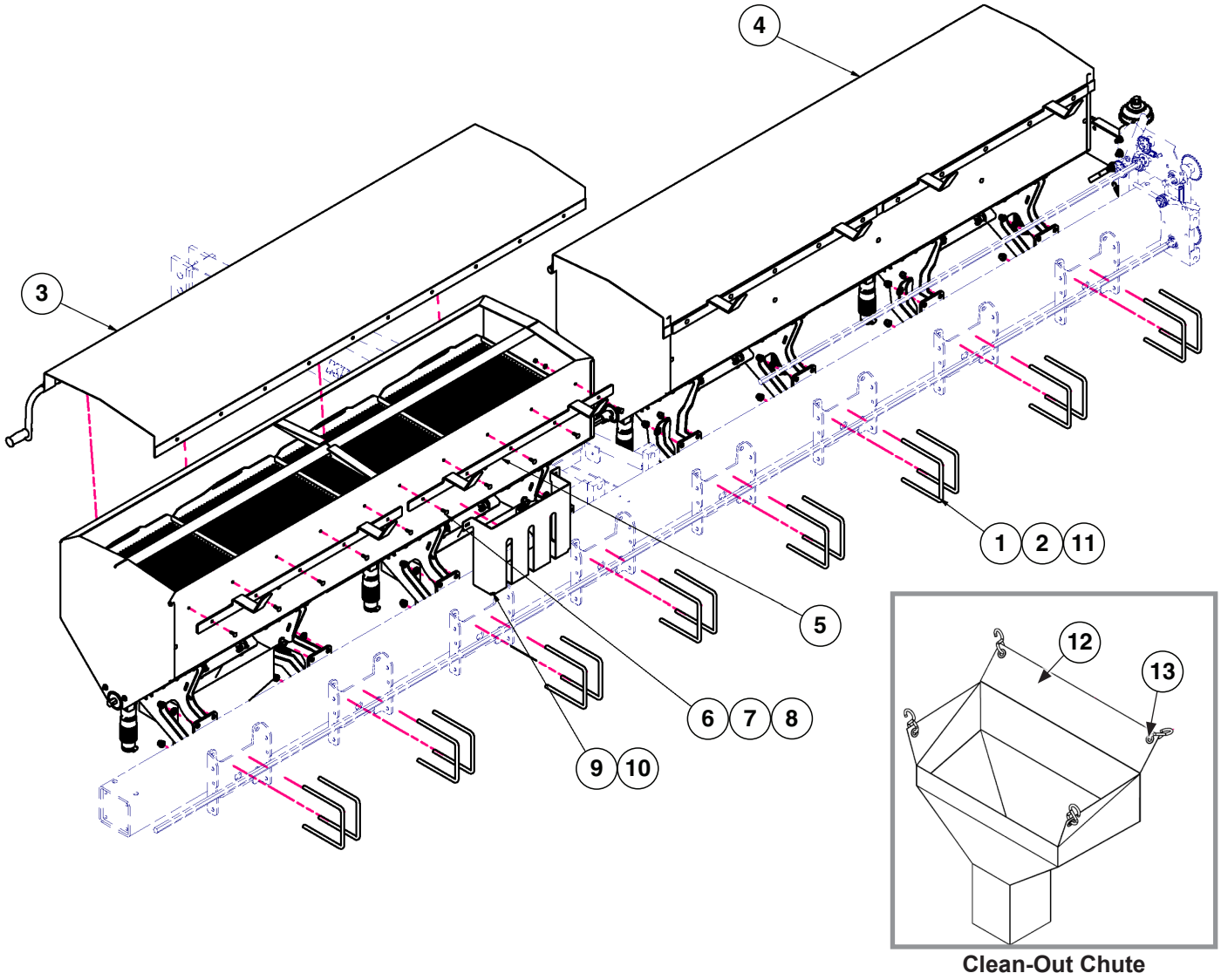
Tank Mounts



Clean-Out Doors

ITEM	PART NO.	QTY.	DESCRIPTION
1	GD1200	4	Machined Outlet Housing
2	G11942	74	Carriage Bolt, 5/16"-18 x 1"
3	GD1207	2	Baffle
4	GA25908	2	Dry Fertilizer Door
5	GA27037	1	Dry Fertilizer Hopper
6	G12215	8	Eye Bolt, M12 x 60
7	G10451	8	Cotter Pin, 1/8" x 1"
8	G11040601	2	Fertilizer Tank Mount
9	G11040701 G11040801	2 2	Offset Fertilizer Tank Mount, R.H. (For R.H. Hopper) Offset Fertilizer Tank Mount, L.H. (For L.H. Hopper)
10	G12216	4	Wing Locknut, M12
11	G10379	74	Flat Washer, 5/16"
12	G12217	8	Flat Washer, M12
13	G12218	4	Hex Locknut, M12
14	G11950	75	Hex Nut, 5/16"-18
15	GA25909	4	Dry Fertilizer Screen
16	GA25757	5	Hopper Stiffener
17	G10670	4	Hair Pin Clip, No. 3
18	G11966	8	Clevis Pin, 7/16" x 1-1/2"
19	GA26640	2	Dry Fertilizer Auger Assembly
20	G10640	4	Grease Fitting, 1/4"-28
21	GD1862	0.5	Tank Pad, 8" x 14' Roll

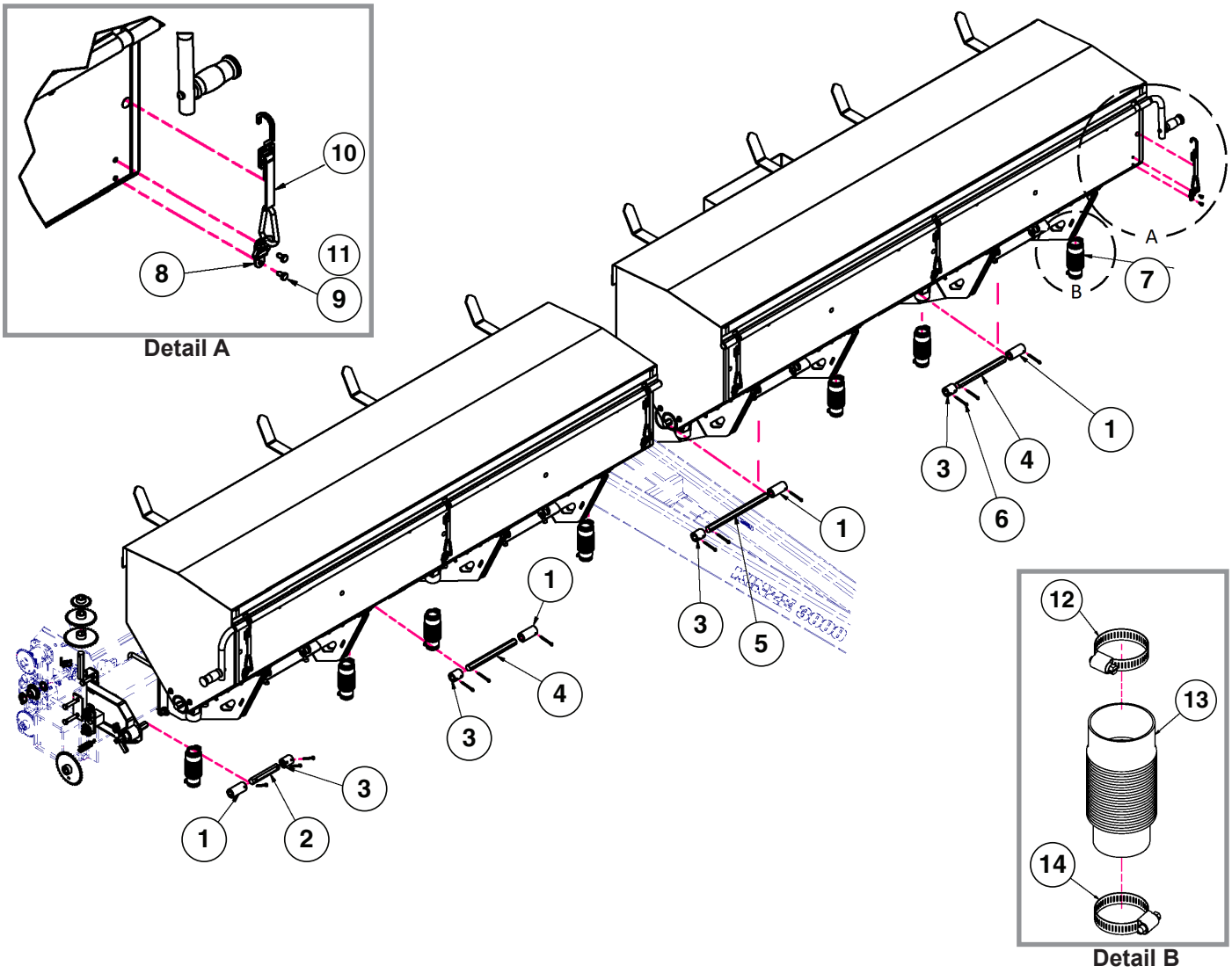
(11040301/A27124)



Clean-Out Chute

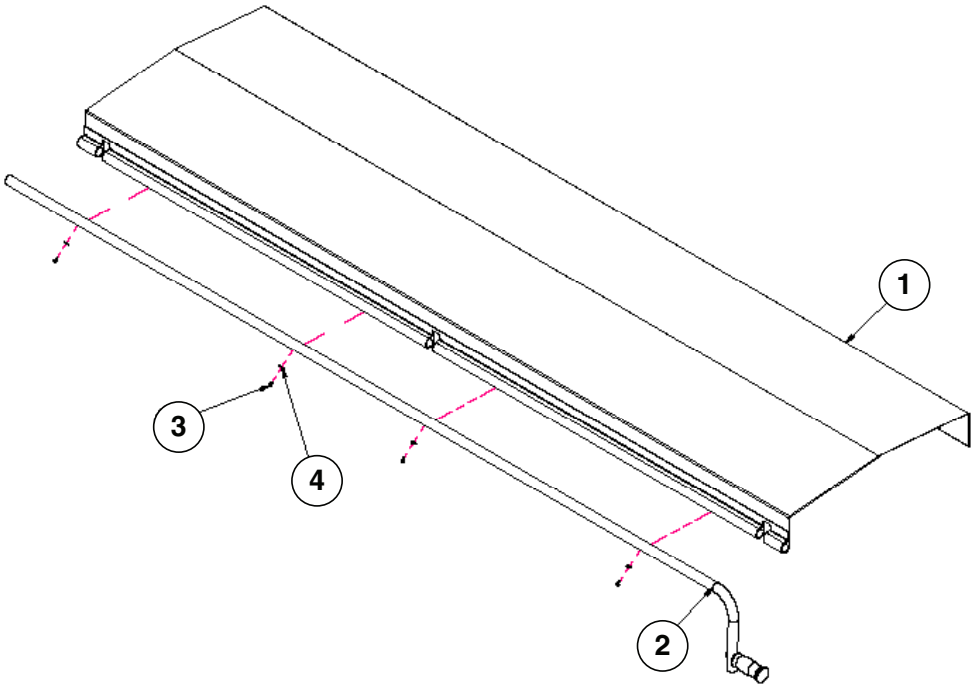
ITEM	PART NO.	QTY.	DESCRIPTION
1	G11391	32	Flat Washer, 5/8"
2	G10107	32	Hex Locknut, 5/8"-11
3	GA25903	1	Tarp and Handle Assembly, R.H.
4	GA25904	1	Tarp and Handle Assembly, L.H.
5	GD35717	4	Tarp Clamp with Catchers
6	G11942	20	Carriage Bolt, 5/16"-18 x 1"
7	G10379	20	Flat Washer, 5/16"
8	G11950	20	Hex Nut, 5/16"-18
9	GD35937	1	Clean-Out Chute Bracket
10	GA27124	2	Clean Out Chute with Hooks
11	GD1114	16	U-bolt, 7" x 7" x 5/8"-11
12	GA27125	2	Clean-Out Chute Assembly
13	GD37025	8	S-Hook, 60 x 30 x 6 mm

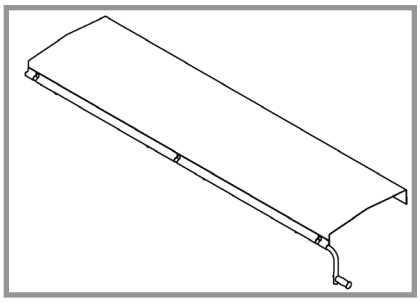
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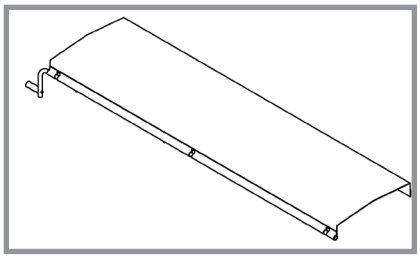
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD7867	4	Coupler, 3"
2	GD37041	1	Hex Drill Shaft, 7/8" x 6" with 2x Holes
3	GD5886	4	Coupler, 7/8" x 1-3/4"
4	GD2548-10.75	2	Hex Drill Shaft, 7/8" x 10.75"
5	G10216501	4	Hex Drill Shaft, 7/8" x 12"
6	G10460	8	Cotter Pin, 1/4" x 2"
7	GA21239	8	Hose with Clamps
8	GD35684	6	Tie Down Ring, .79" x 2.17"
9	G11473	12	Hex Head Cap Screw, 1/4"-20 x 1/2"
10	GD35667	6	Retainer with Carabiner
11	G11474	12	Serrated Flange Nut, ¼"-20
12	G10676	8	Hose Clamp No. 36
13	GD21398	8	Rubber Drop Tube
14	G10672	8	Hose Clamp No. 28

(A25903/A25904)





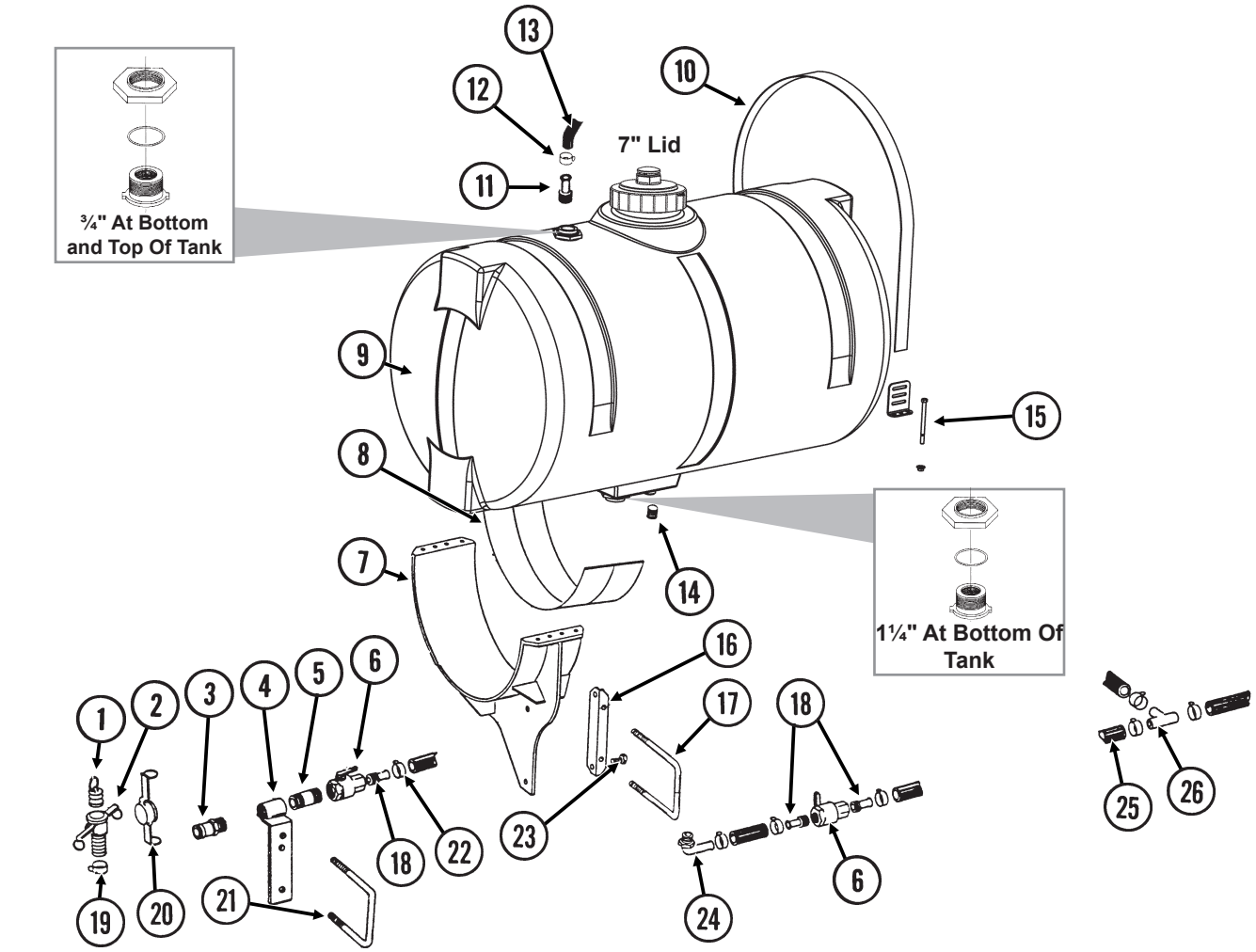
R.H. Hopper

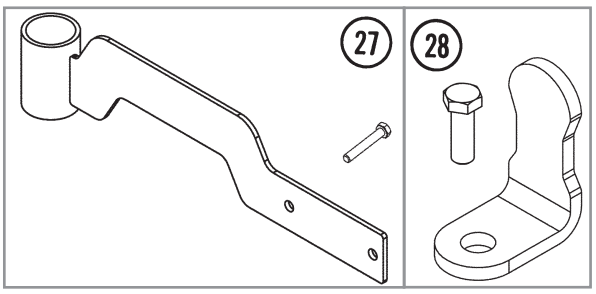


L.H. Hopper

ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25758	1	Dry Fertilizer Tarp
2	GA25902	1	Formed 1" Roll Tube with Handle (Assembly)
3	G11924	4	Hex Head Non Serrated Flange Self-Drilling Screw, No. 6
4	G10243	4	Flat Washer No. 10

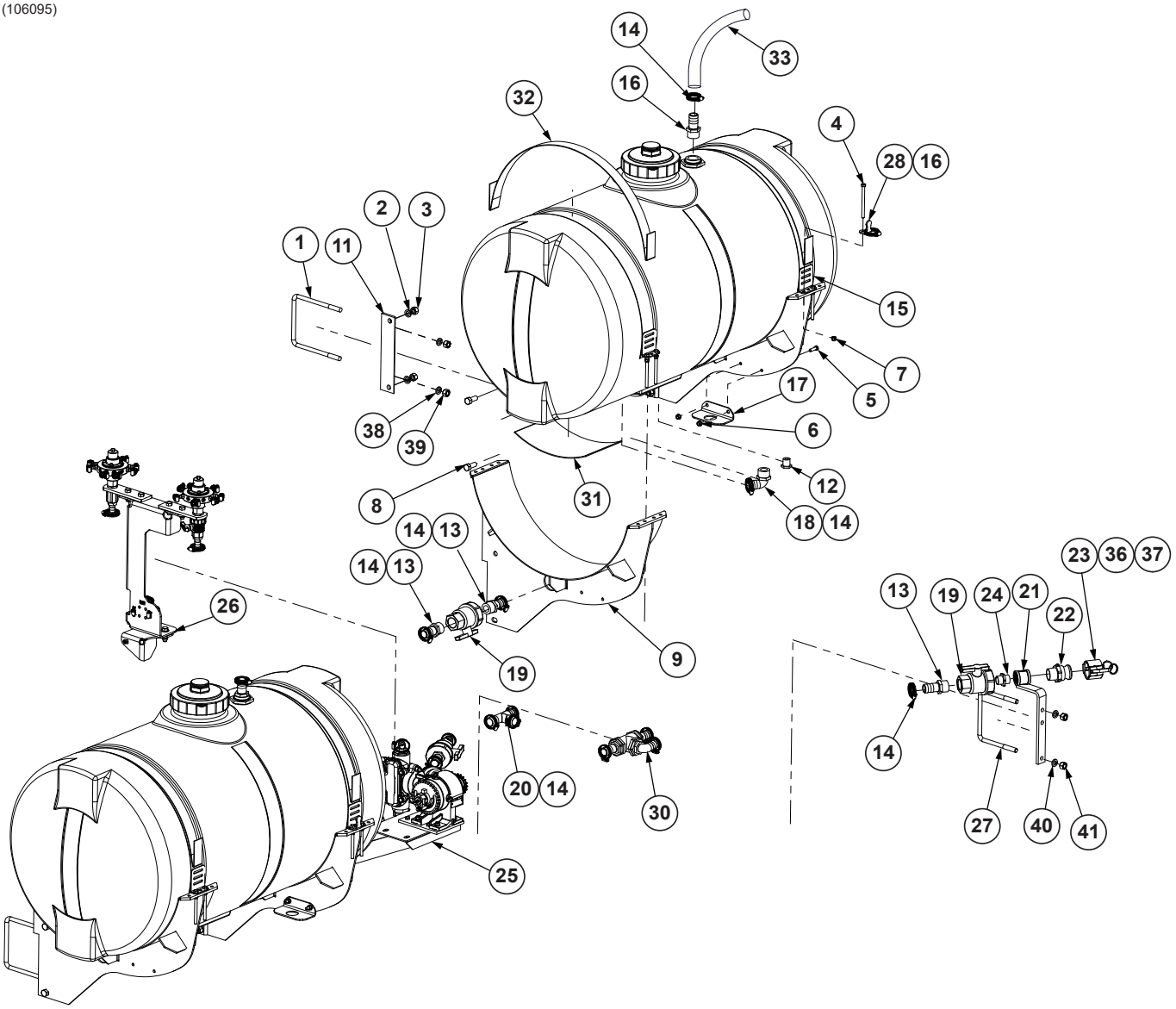
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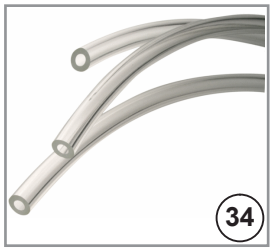




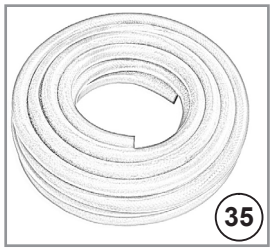
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD1517	1	Dust Plug, 1¼" Male Cam Lock
2	GD1516	1	Adapter, 1¼" Barb To Female Cam Lock
3	GD1514	1	Adapter, 1¼" Male NPT To Cam Lock
4	GA5917	1	Quick Fill Mount
5	G10619	1	Close Nipple, 1¼" NPT
6	GA4976	-	Shutoff Valve, 1¼" NPT
	GR1015	-	Body O-Ring (Included W/GA4976)
	GR1016	-	Stem O-Ring (Included W/GA4976)
	GR1017	-	Teflon Seat (Included W/GA4976)
	GR1018	-	Ball (Included W/GA4976)
	GR1019	-	Handle (Included W/GA4976)
7	GA7375	-	Tank Mount (2 Per Tank)
8	GD1862	-	Pad, 8" x 14' (For Two 30" Tanks)
9	G10856502	-	Tank W/Lid and Fittings, 150 Gallon
	GA16428	-	Lid, 7" (Included W/G10856502)
	GR1941	-	Lid Seal (Included W/G10856502)
	GR1708	-	¾" Polypropylene Fitting Assembly (Overflow Fitting, Nut, Bushing, and O-Ring) (Top and Bottom Of Tank) (Included W/G10856502)
	GR0508	-	1¼" Polypropylene Fitting Assembly (Nut, Bushing, and O-Ring) (Bottom Of Tank) (Included W/G10856502)
10	GD11124	-	Strap, 84"
11	G10626	2	Adapter, 1¼" NPT To Barb
12	G10674	2	Hose Clamp, No. 24
13	G4602-01	1	Black Helix Hose, 1¼" x 18'
14	G10096	-	Pipe Plug, ¾" NPT
15	G10485	-	Hex Head Tap Bolt, ⅜"-16 x 5"
	G10901	-	Lock Nut, ⅜"-16
16	GD10110	-	Mounting Angle (2 Per Tank)
17	GD1748	-	U-Bolt, 7" x 7" x ¾"-10
	G10231	-	Lock Washer, ¾"
	G10105	-	Hex Nut, ¾"-10
18	G10626	-	Adapter, 1¼" NPT To Barb
19	G10672	1	Hose Clamp, No. 28
20	GD1515	1	Dust Cap, 1 ¼" Cam Lock
21	GD7145	1	U-Bolt, 7" x 7" x ½"-13
	GD11721	1	U-Bolt, 5" x 7" x ½"-13
	G10228	2	Lock Washer, ½"
	G10102	2	Hex Nut, ½"-13
22	G10674	-	Hose Clamp, No. 24
23	G10007	-	Hex Head Cap Screw, ⅝"-11 x 1½"
	G10230	-	Lock Washer, ⅝"
	G10104	-	Hex Nut, ⅝"-11
24	G10629	-	Elbow, 90°, 1¼" NPT To Barb
25	G4200-02	-	Hose, 1¼" x 27', 6 Row
	G4200-03	-	Hose, 1¼" x 32', 8 Row
26	G10633	-	Tee, 1¼" Barb
27	GA14112	-	Hose Guide
	G10004	-	Hex Head Cap Screw, ⅜"-16 x 1¼"
	G11091	-	Serrated Flange Nut, ⅜"-16
28	GD20060	-	Hose Bracket
	G10004	-	Hex Head Cap Screw, ⅜"-16 x 1¼"
	G11091	-	Serrated Flange Nut, ⅜"-16
29	GD11123	-	Anchor

(106095)



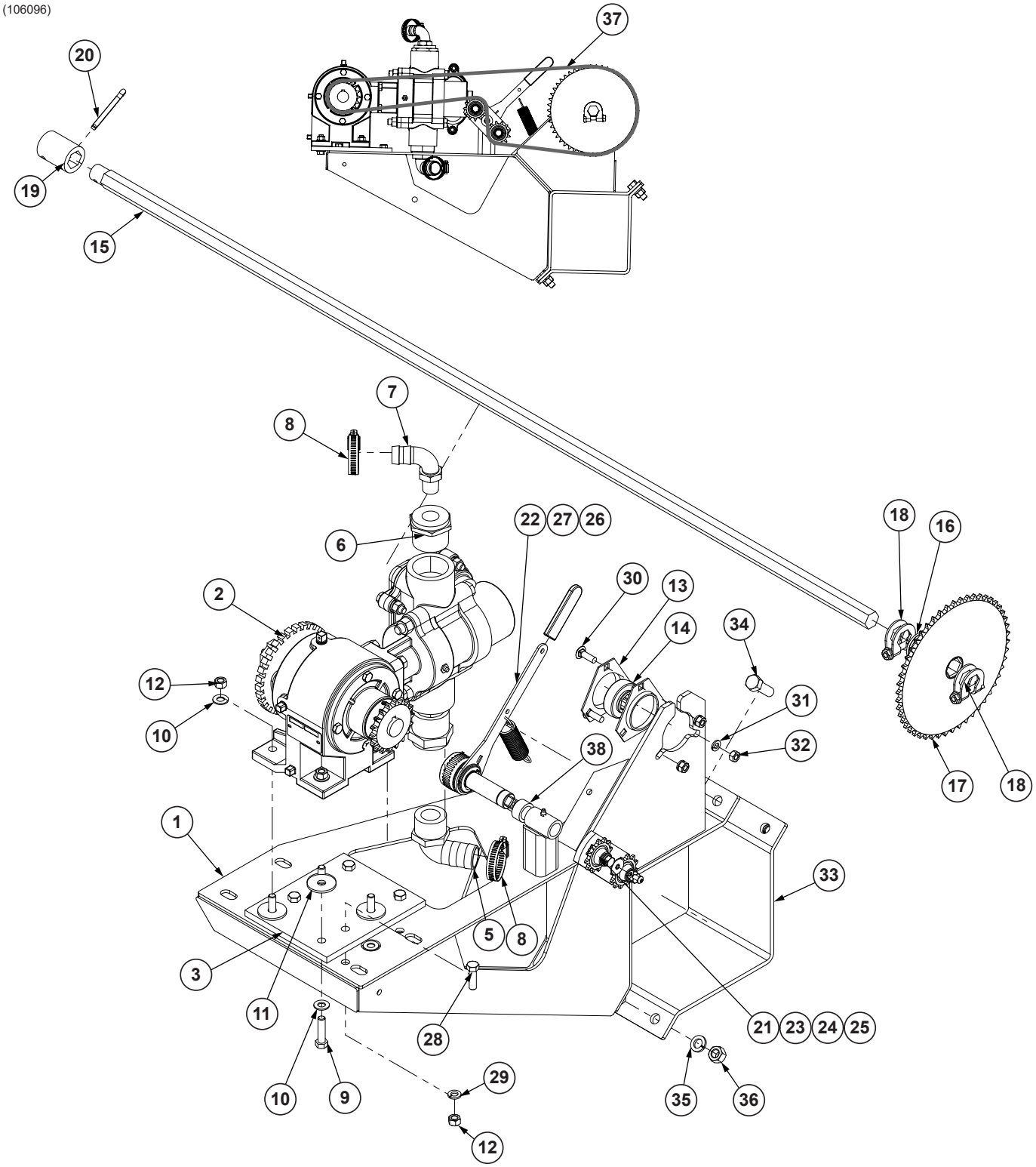


3/8” PVC
(Flow Divider to Row Unit)



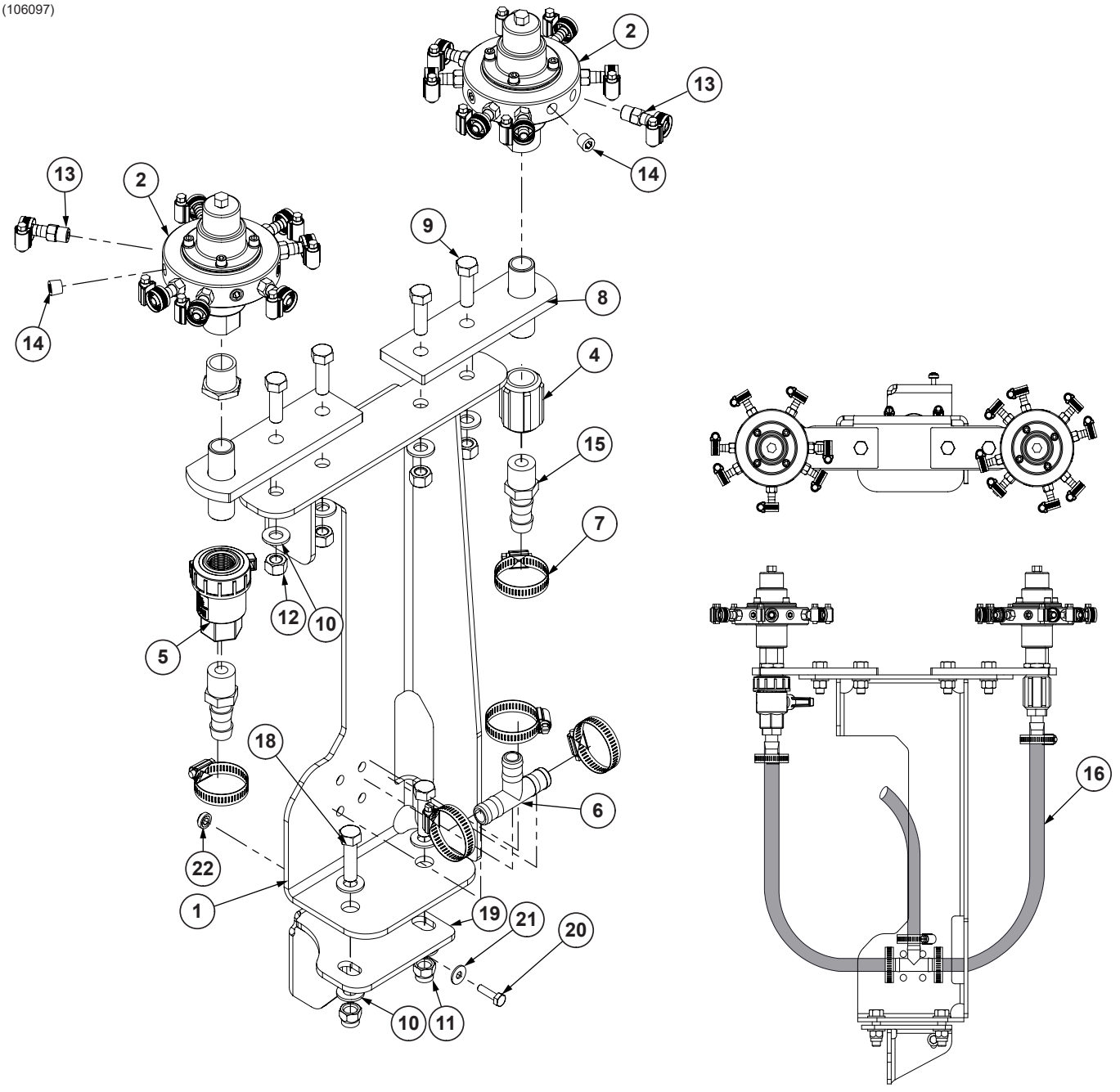
1-1/4” EPDM
(Between Tanks)

ITEM	PART NO.	QTY.	DESCRIPTION
1	GD1748	4	U-Bolt, 7” x 7” x 3/4”-10
2	G10230	8	Lock Washer, ⅝”
3	G10104	8	Hex Nut, 5/8"-11
4	G10485	16	Hex Head Cap Screw, 3/8”-16 x 5”
5	G10004	4	Hex Head Cap Screw, 3/8”-16 x 1 ¼”
6	G11091	4	Serrated Flange Nut, 3/8”-16
7	G10901	16	Lock Nut, 3/8”-16
8	G10007	8	Hex Head Cap Screw, 5/8”-11 x 1 ½”
9	GA7375	4	Tank Mount (2 Per Tank)
10	G10856502	2	Tank W/Sealed Lid and Fittings, 150 Gallon
11	GD10110	4	Mounting Angle (2 Per Tank)
12	G10096	2	Pipe Plug, ¾” NPT
13	G10626	11	Adapter, 1 ¼” NPT To Barb
14	G10674	12	Hose Clamp, No. 24
15	GD11123	8	Anchor
16	GD20060	2	Hose Bracket
17	G10610601	2	Hose Holder
18	G10629	2	Elbow, 90°, 1 ¼” NPT To Barb
19	GA4976	4	Shutoff Valve, 1 1/4” NPT
20	G10633	1	Tee, 1 ¼” Barb
21	GA5917	1	Quick Fill Mount
22	GD1514	1	Adapter, 1 1/4” Male NPT To Cam Lock
23	GD1515	1	Dust Cap, 1 1/4” Cam Lock
24	G10619	1	Close Nipple, 1 ¼” NPT
25	---	-	See “Split Row Liquid Fertilizer Piston Pump Drive” on page P110
26	---	-	See “Split Row Liquid Fertilizer Divider Assembly” on page P112
27	GD11721	1	U-Bolt, 5” x 7” x 1/2”-13
28	G10278	6	Hose Clamp, No. 16
29	GA3893	1	Strainer Complete
30	G10609901	1	Tee Assembly
31	GD1862	1	Support
32	GD11124	4	Strap, 84”
33	G4602-21	2	Black Helix Hose, 1-1/4” x 7.8’
34	G4301-07 G10681	1 15	Hose, 3/8” x 200’ Hose Clamp, No. 6
35	G4200-03	1	Hose, 1 1/4” x 32’
36	GD1516	1	Adapter, 1 1/4” Barb To Female Cam Lock
37	GD1517	1	Dust Plug, 1 1/4” Male Cam Lock
38	G10231	8	Lock Washer, ¾”
39	G10105	8	Hex Nut, ¾”-10
40	G10228	2	Lock Washer, ½”
41	G10102	2	Hex Nut, ½”-13


(106096)
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ITEM	PART NO.	QTY.	DESCRIPTION
1	GA6501	1	Drive Plate W/Grease Fitting
2	---	-	See “Piston Pump Complete W/18 Tooth Sprocket (Model NGP-6055)” on page P118
3	GD11180	1	Plate
4	G10615	1	Reducing Bushing, 1 ½” Male NPT To 1 ¼” Female
5	G10629	1	Elbow, 90°, 1 ¼” NPT To Barb
6	G11237	1	Reducing Bushing, 1 1/2” Male NPT To 3/4” Female
7	G10917	1	Elbow, 90°, ¾” NPT To Barb
8	G10278	2	Hose Clamp, No. 16
9	G10003	4	Hex Head Cap Screw, 3/8”-16 x 1 1/2”
10	G11387	8	Flat Washer, 3/8” SAE
11	GR1122	4	Mounting Pad
12	G10101	8	Hex Nut, 3/8”-16
13	G3400-01	2	Flangette
14	G2100-03	1	Bearing, 7/8” Hex Bore, Spherical
15	G10610701	1	Fertilizer Pump Shaft
16	G10233	2	Machine Bushing, 1 1/2” x 1/32”, 10 Gauge (.1345”)
17	GA5194	1	Sprocket, 50 Tooth
18	GA11331	2	Hex Lock Clamp Assembly
19	GD3839	1	Coupler, 2”
20	G10460	1	Cotter Pin, 1/4” x 2”
21	GA7336	1	Idler W/Bolt-On Sprockets
22	GA10030	1	Spring
23	G11100	1	Hex Socket Button Head Cap Screw, 1/4”-20 x 1/2”, Grade 8
24	G11453	1	Fender Washer, ¼”
25	G10227	1	Lock Washer, ¼”
26	G11078	1	Vinyl Cap
27	GD5857	1	Spring
28	G10004	4	Hex Head Cap Screw, 3/8”-16 x 1 1/4”
29	G10229	4	Lock Washer, 3/8”
30	G10303	3	Carriage Bolt, 5/16”-18 x 1”
31	G10232	3	Lock Washer, 5/16”
32	G10106	3	Hex Nut, 5/16”-18
33	GD15685	1	Clamp
34	G10017	4	Hex Head Cap Screw, 1/2”-13 x 1 1/2”
35	G10228	4	Lock Washer, 1/2”
36	G10102	4	Hex Nut, ½”-13
37	G3310-126	1	Chain, No. 40, 126 Pitch Including Connector Link
38	GD2734-08	1	Sleeve, 1 1/4” O.D. x 5/8” Long

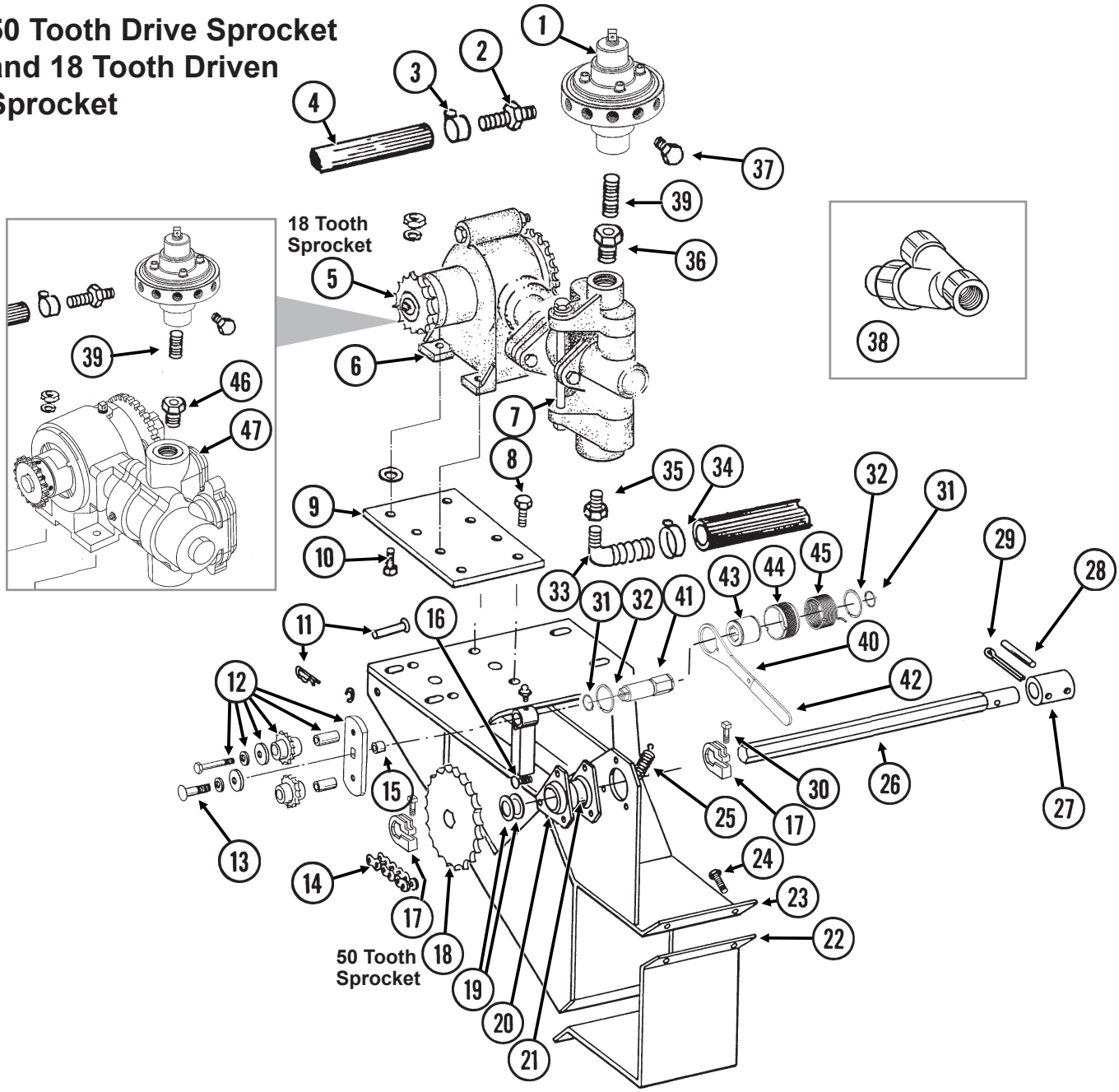
(106097)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10609801	1	Divider Holder
2	GA8931	2	See “Liquid Fertilizer Piston Pump Flow Divider” on page P120
3	---	-	---
4	G11083	1	Coupler, 3/4” Female NPT
5	G10696401	1	Banjo Valve UV075FP, 3/4”
6	G11503	1	Tee, ¾” Hose Barb
7	G10278	5	Hose Clamp, No. 16
8	G10696601	2	Divider Plate
9	G10017	4	Hex Head Cap Screw, 1/2”-13 x 1 1/2”
10	G11389	8	Flat Washer, ½” Plated SAE
11	G10974	2	Lock Nut W/Nylon Insert, 1/2”-13
12	G10102	4	Hex Nut, 1/2”-13
13	GD11700	15	Adapter, 1/4” NPT To 3/8” Barb
14	G10350	9	Hex Socket Head Plug, 1/4” NPT, Stainless Steel
15	G10734	2	Adapter, ¾” NPT To Barb
16	G4205-11	1	Hose, 3/4” x 72” (One Per Tank)
17	G10681	15	Hose Clamp, No. 6
18	G10039	2	Hex Head Cap Screw, ½”-13 x 1 ¾”
19	G10690901	1	Stiffen Plate
20	G10064	1	Hex Head Cap Screw, ¼”-20 x 1”
21	G10209	1	Washer, ¼” USS
22	G10323	1	Hex Flange Nut, ¼”-20, No Serrations

(FRTZ269)

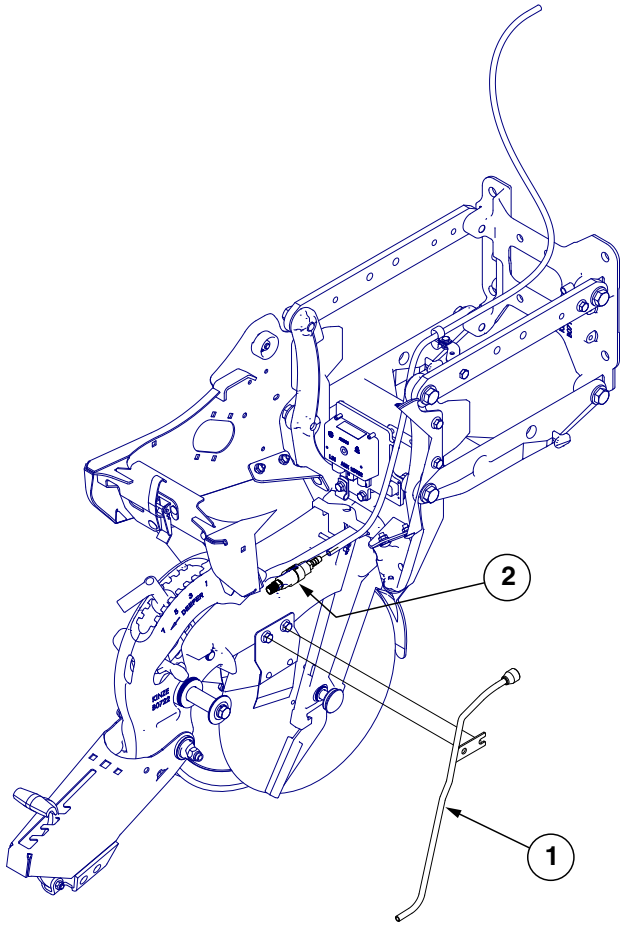
50 Tooth Drive Sprocket and 18 Tooth Driven Sprocket



ITEM	PART NO.	QTY.	DESCRIPTION
1	---	-	See “Liquid Fertilizer Piston Pump Flow Divider” on page P120
2	GD11700	-	Adapter, ¼" NPT To ⅜" Barb
3	G10681	-	Hose Clamp, No. 6
4	G4301-03	1	Hose, ⅜" x 60', 6 Row
	G4301-04	-	Hose, ⅜" x 100', 8 Row
5	---	-	See “Liquid Fertilizer Piston Pump Uses 18 Tooth Sprocket” on page P118
6	---	-	See “Liquid Fertilizer Piston Pump Uses 18 Tooth Sprocket” on page P118
7	---	-	See “Liquid Fertilizer Piston Pump Uses 18 Tooth Sprocket” on page P118
8	G10004	4	Hex Head Cap Screw, ⅜"-16 x 1¼"
	G10229	4	Lock Washer, ⅜"
	G10101	4	Hex Nut, ⅜"-16
9	GD11180	1	Plate
10	G10003	4	Hex Head Cap Screw, ⅜"-16 x 1½"
	G11387	4	Flat Washer, ⅜" SAE
	GR1122	4	Mounting Pad
	G10229	4	Lock Washer, ⅜"
	G10101	4	Hex Nut, ⅜"-16
11	G10478	1	Clevis Pin, 5⁄16" x 1"
	G10409	1	Retaining Ring, 5⁄16"
	G10670	1	Hair Pin Clip, No. 3
12	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, ⅜" SAE (Included W/GA7336)
	G10229	-	Lock Washer, ⅜" (Included W/GA7336)
	G10047	-	Hex Head Cap Screw, ⅜"-16 x 1¾" (Included W/GA7336)
13	G11100	1	Hex Socket Button Head Cap Screw, ¼"-20 x ½", Grade 8
	G10227	1	Lock Washer, ¼"
	G11453	1	Fender Washer, ¼"
14	G3310-126	1	Chain, No. 40, 126 Pitch Including Connector Link
	GR0912	-	Connector Link, No. 40
15	GD2734-08	1	Sleeve, 1¼" O.D. x ⅝" Long
16	G10303	3	Carriage Bolt, 5⁄16"-18 x 1"
	G10232	3	Lock Washer, 5⁄16"
	G10106	3	Hex Nut, 5⁄16"-18
17	GD11045	2	Lock Clamp
	G10130	-	Square Head Machine Bolt, 5⁄16"-18 x 1¾"
	G10923	-	Flange Nut, 5⁄16"-18, No Serration
18	GA5194	1	Sprocket, 50 Tooth
19	G10233	2	Machine Bushing, 1", 10 Gauge
20	G3400-01	2	Flangette
21	G2100-03	1	Bearing, ⅞" Hex Bore, Spherical
22	GD15685	1	Clamp
23	GA6501	1	Drive Plate W/Grease Fitting
	G10641	-	Grease Fitting, ⅛" NPT
	G10640	-	Grease Fitting, ¼"-28
24	G10017	4	Hex Head Cap Screw, ½"-13 x 1½"
	G10228	4	Lock Washer, ½"
	G10102	4	Hex Nut, ½"-13
25	GD5857	1	Spring
26	GD5990	1	Shaft, 74"
27	GD3839	1	Coupler, 2"
28	G10602	1	Spring Pin, ¼" x 1½"
29	G10460	1	Cotter Pin, ¼" x 2"

ITEM	PART NO.	QTY.	DESCRIPTION
30	G10130 G10923	- -	Square Head Machine Bolt, 5⁄16"-18 x 1¾" Flange Nut, 5⁄16"-18, No Serration
31	G11075	2	External Inverted Snap Ring, ⅞"
32	G10496	2	External Inverted Snap Ring, 1½"
33	G10629	1	Elbow, 90°, 1¼" NPT To Barb
34	---	-	See “Liquid Fertilizer Tanks, Saddles, Mounts, Hoses, and Fittings, 6 and 8 Row” on page P106
35	G10615	1	Reducing Bushing, 1½" Male NPT To 1¼" Female
36	G10995	1	Reducing Bushing, 1" Male NPT To ¾" Female, Stainless Steel
37	G10292	-	Pipe Plug, ¼" NPT
38	GA3893 GR0880 GR0881 GR0882 GR0883	1 - - - -	Strainer Complete Screen, No. 40 Mesh (Included W/GA3893) Gasket (Included W/GA3893) Y-Body (Included W/GA3893) End Cap (Included W/GA3893)
39	G10994	1	Close Nipple, ¾" NPT, Stainless Steel
40	GD14431	1	Handle
41	GD14427	1	Tightener Shaft, 4⅞"
42	G11078	1	Vinyl Cap
43	GD14432	1	Sleeve, 1¼"
44	GD19343	1	Release Collar, R.H.
45	GD14413	1	Torsion Spring, L.H. (Used On R.H. Wrap Spring Wrench)
46	G11237	1	Reducing Bushing, 1½" Male NPT To ¾" Female
47	---	-	See “Liquid Fertilizer Piston Pump Uses 18 Tooth Sprocket” on page P118
A	G1K269	-	Lock Clamp Kit (Items 17 and 30)
B	G1K378	-	Wrap Spring Wrench Replacement Kit, Blue Collar, R.H., (Items 13, 15, 31, 32 and 41-46)

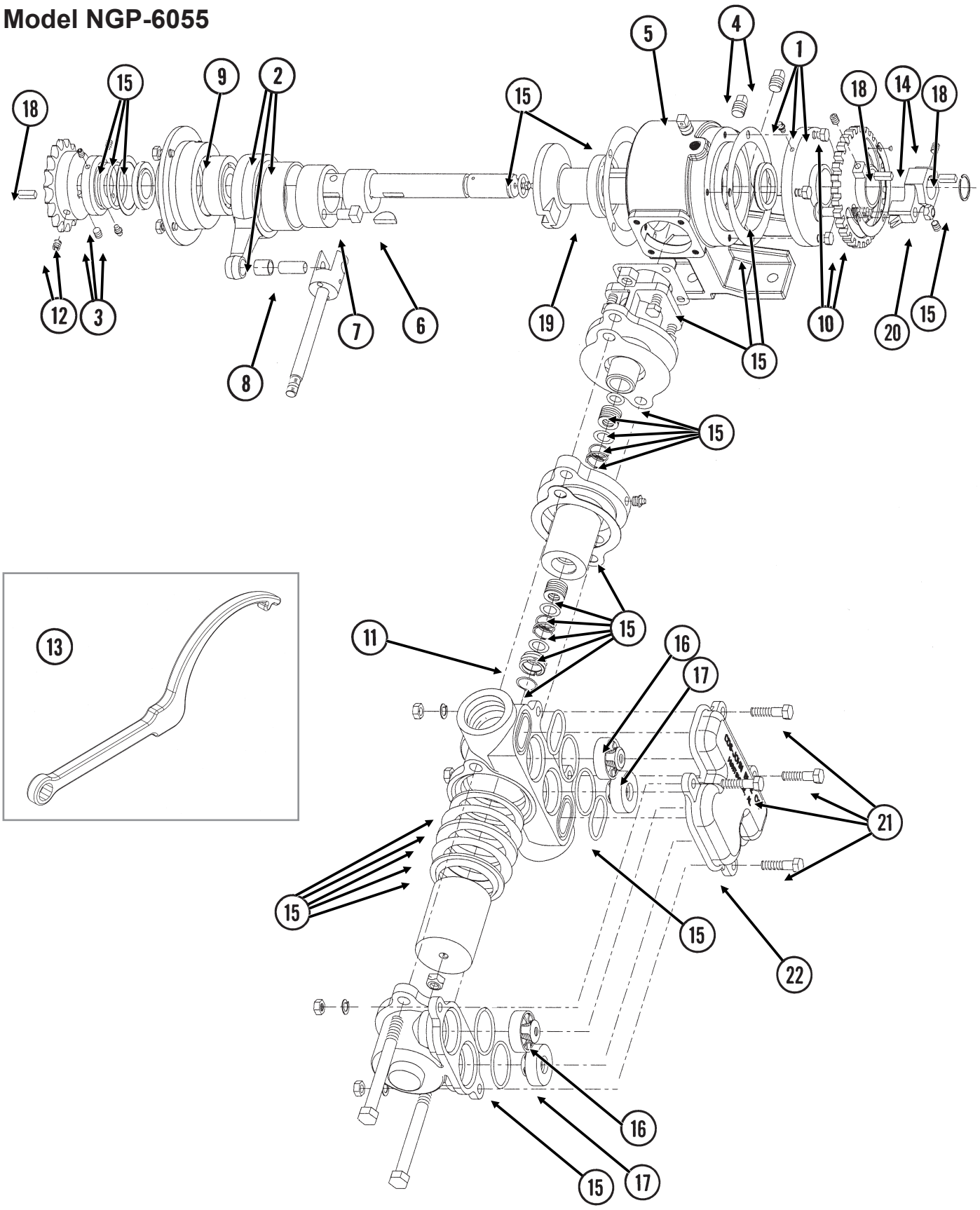
(A18821a)



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

(A12335a/GR1808)

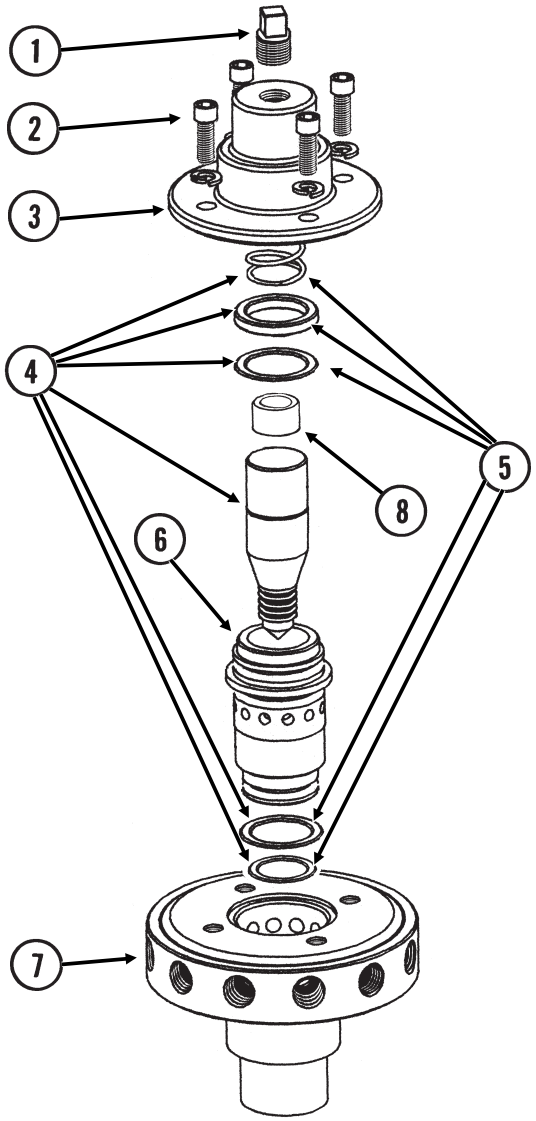
Model NGP-6055



ITEM	PART NO.	QTY.	DESCRIPTION
1	GR1804	1	Flange Cover Assembly
	G10991	4	Hex Head Cap Screw, 5⁄16"-18 x 7⁄8"
2	GR1802	1	Connecting Rod Assembly
3	GR1801	1	Spacer Assembly
	G10693	3	Hex Socket Head Set Screw, 5⁄16"-18 x 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, 3⁄8"-16 x 2"
	G10108	1	Lock Nut, 3⁄8"-16
21	G10003	4	Hex Head Cap Screw, 3⁄8"-16 x 1½"
	G11387	4	Flat Washer, 3⁄8" SAE
	G10229	4	Lock Washer, 3⁄8"
	G10101	4	Hex Nut, 3⁄8"-16
22	GR2003	1	Valve Cover
A	GA12330	-	Piston Pump Complete W/18 Tooth Sprocket (Model NGP-6055)

(FRTZ159/PT40a/FRTZ202c)

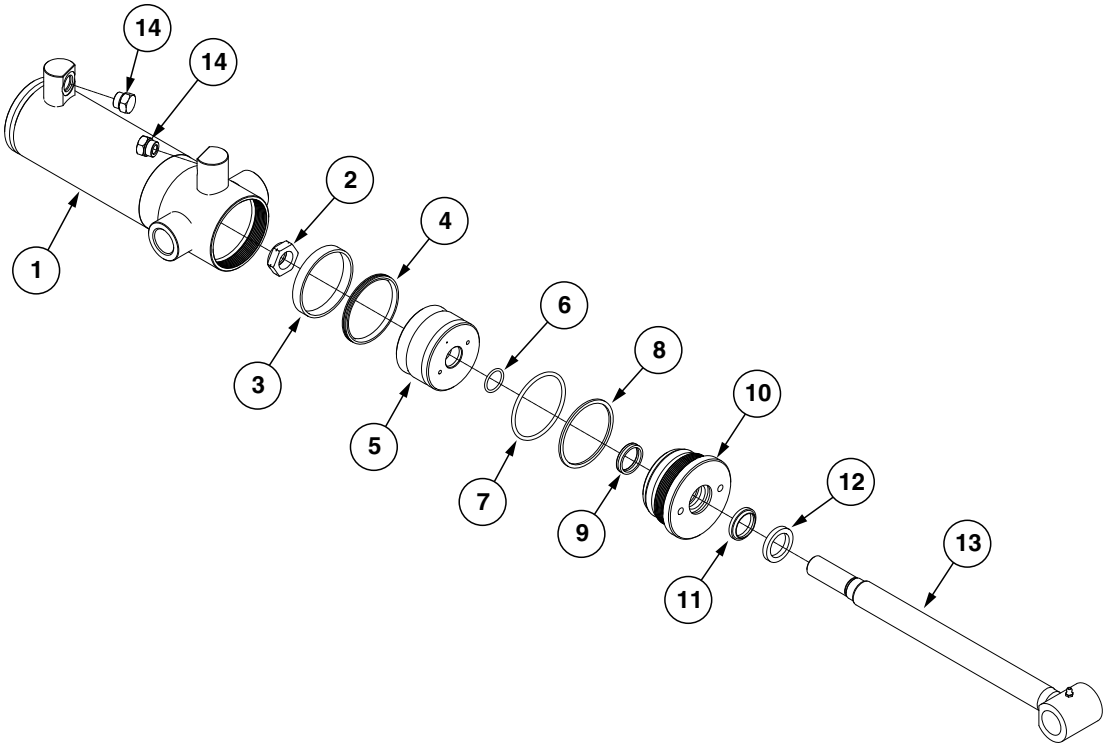
Model FD-1200 Flow Divider, 12 Outlet



¾" NPT

ITEM	PART NO.	QTY.	DESCRIPTION
1	GR1543	1	Vent Plug
2	GR1542 GR1541	4 4	Hex Socket Head Screw, ¼"-20 x ¾" Lock Washer, ¼", 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 Outlet)
8	GR1574	1	Sleeve, 1" O.D. x ½" Long, Stainless Steel
A	GA8931	1	Liquid Fertilizer Piston Pump Flow Divider Complete, 12 Outlet (Model FD-1200)

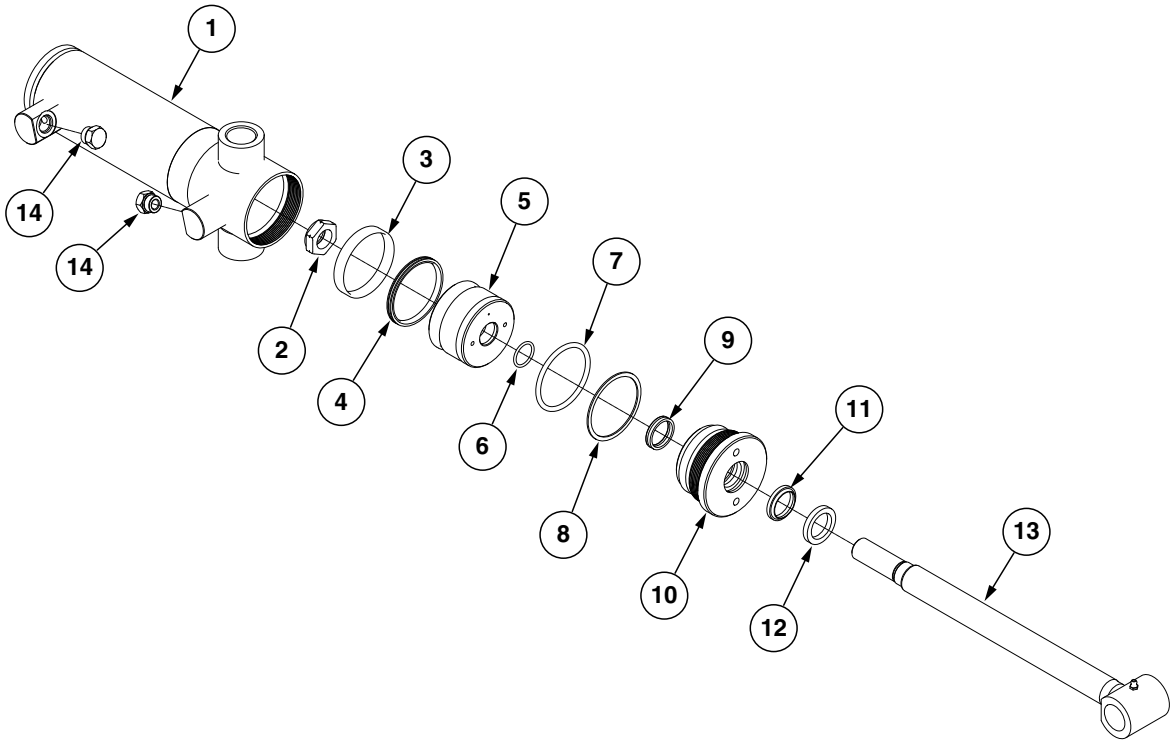
(IP1523)



ITEM	PART NO.	QTY.	DESCRIPTION
1	A4295	1	Barrel
2	GD27235	1	Nylon Lock Nut, 1"-14, Grade 8
3	*D12056	1	Wear Ring
4	*D12280	1	T-Seal
5	GA21112	1	Piston
6	*D29649	1	O-Ring, No. 215
7	*D12231	1	O-Ring, No. 338
8	*D12232	1	BU Ring
9	*D12251	1	U-Cup
10	GD12507	1	Gland
11	*D12210	1	Wiper
12	GD12102	1	Ring
13	GA21106	1	Rod
14	G6408-08 GR1037	2 -	Plug W/O-Ring, ¾"-16 O-Ring O-Ring
A	GA21111	-	Cylinder Complete, 3½" x 8" *(Part Number Stamped On Barrel)*
B	GR2228	-	Seal Kit, Includes: (1) Wiper, (3) O-Rings, (1) BU Ring, (1) T-Seal, (1) Wear Ring, (1) U-Cup

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

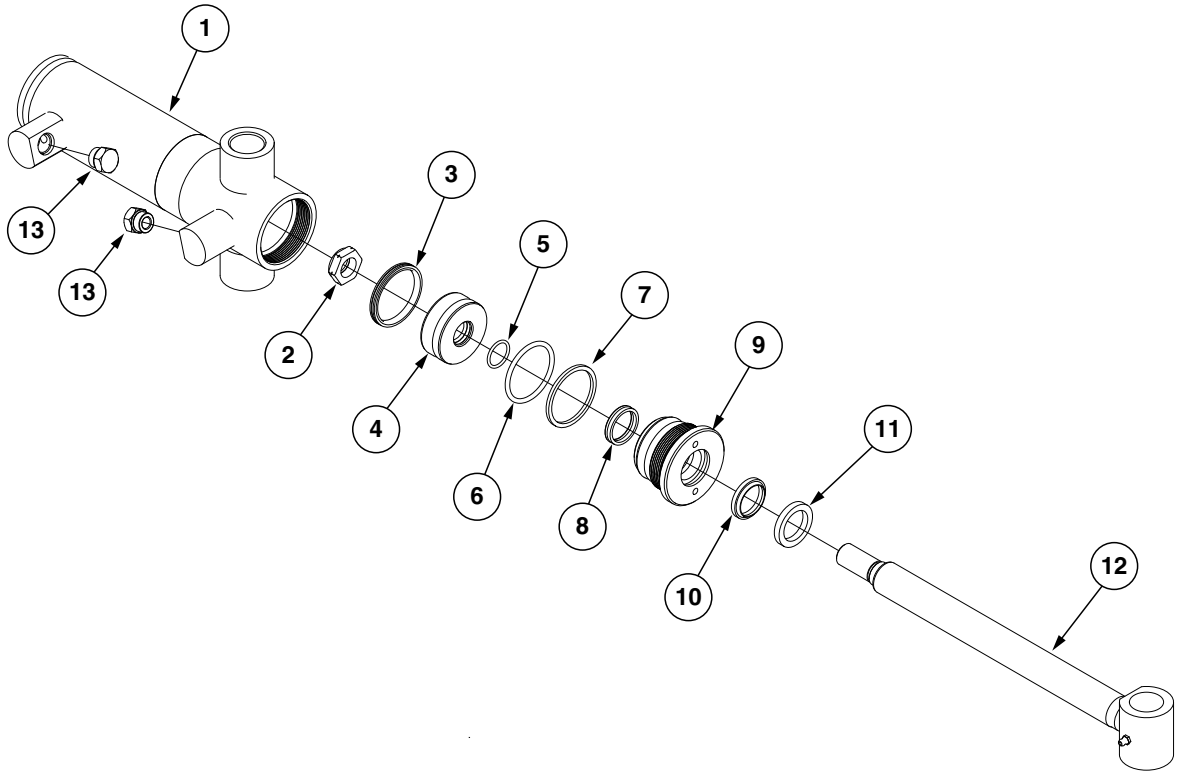
(IP1524)



ITEM	PART NO.	QTY.	DESCRIPTION
1	A7538	1	Barrel
2	GD27235	1	Nylon Lock Nut, 1"-14, Grade 8
3	*D12038	1	Wear Ring
4	*D12279	1	T-Seal
5	GA21105	1	Piston
6	*D29649	1	O-Ring, No. 215
7	*D12227	1	O-Ring, No. 336
8	*D12228	1	Back-Up Ring
9	*D12251	1	U-Cup
10	GD12505	1	Gland
11	*D12210	1	Wiper
12	GD12102	1	Ring
13	GA21106	1	Rod
14	G6408-08 GR1037	2 -	Plug W/O-Ring, ¾"-16 O-Ring O-Ring
A	GA21104	-	Cylinder Complete, 3 ¼" x 8" *(Part Number Stamped On Barrel)*
B	GR2225	-	Seal Kit, Includes: (1) Wiper, (1) U-Cup, (3) O-Rings, (1) BU Ring, (1) T-Seal, (1) Wear Ring

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

(IP1525)

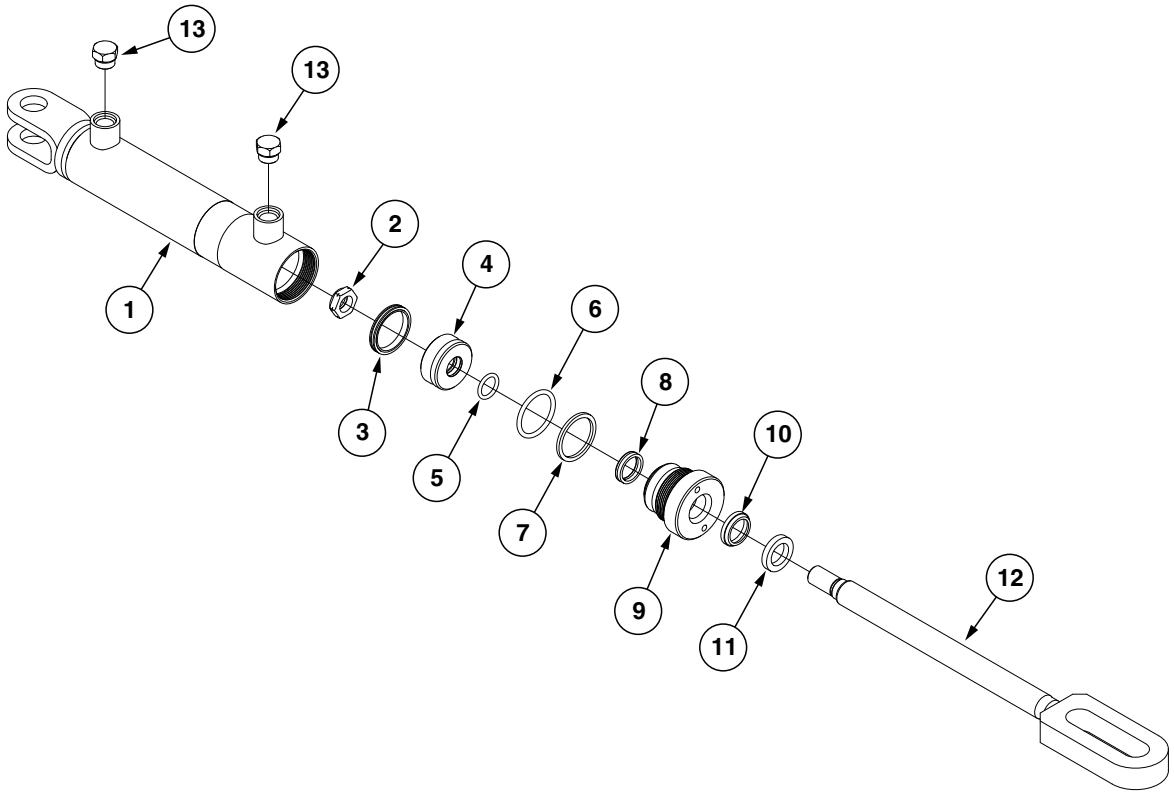


ITEM	PART NO.	QTY.	DESCRIPTION
1	A8827	1	Barrel
2	GD27234	1	Nylon Lock Nut, ⅞"-14, Grade 8
3	*D12275	1	T-Seal, 2½"
4	GD30401	1	Piston
5	*D30399	1	O-Ring, No. 119
6	*D12212	1	O-Ring, No. 330
7	*D12213	1	BU Ring
8	*D12251	1	U-Cup
9	GD11985	1	Gland
10	*D12210	1	Wiper
11	GD12102	1	Ring
12	GA21185	1	Rod
13	G6408-08 GR1037	2 -	Plug W/O-Ring, ¾"-16 O-Ring O-Ring

A	GA21184	-	Cylinder Complete, 2½" x 8" *(Part Number Stamped On Barrel)*
B	GR2227	-	Seal Kit, Includes: (1) Wiper, (3) O-Rings, (1) BU Ring, (1) T-Seal, (1) U-Cup

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

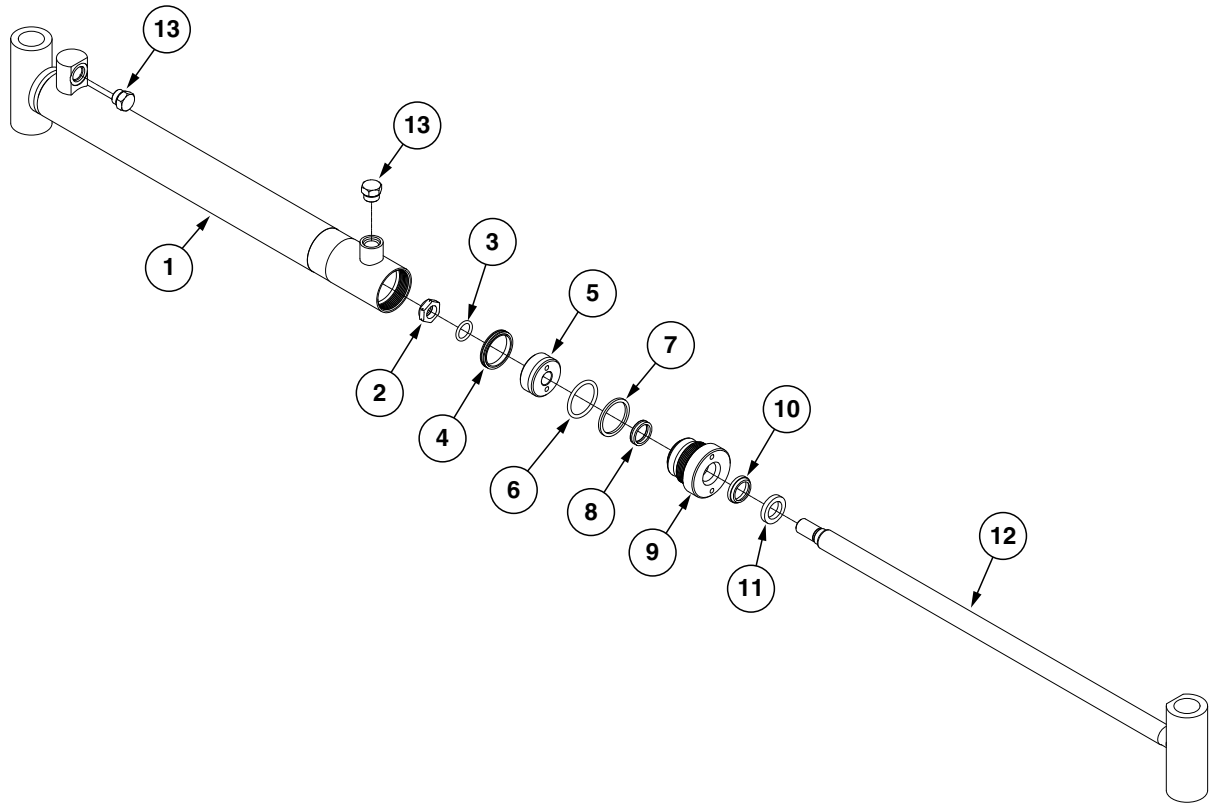
(IP1528)



ITEM	PART NO.	QTY.	DESCRIPTION
1	A8775	1	Barrel
2	GD27233	1	Nylon Lock Nut, ¾"-16, Grade 8
3	*D12277	1	T-Seal
4	GD29689	1	Piston
5	*D29692	1	O-Ring, No. 211
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	GA21168	1	Rod
13	G6408-08 GR1037	2 -	Plug W/O-Ring, ¾"-16 O-Ring O-Ring
A	GA21167	-	Cylinder Complete, 2" x 8" *(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) Instrcution Sheet

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

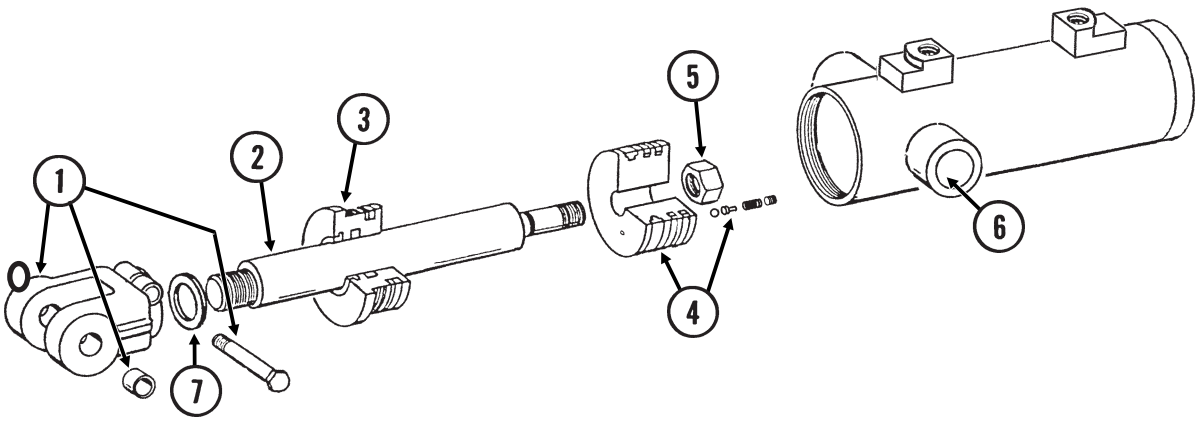
(IP1527)



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 GR1037	2 -	Plug W/O-Ring, ¾"-16 O-Ring 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) Instrcution Sheet

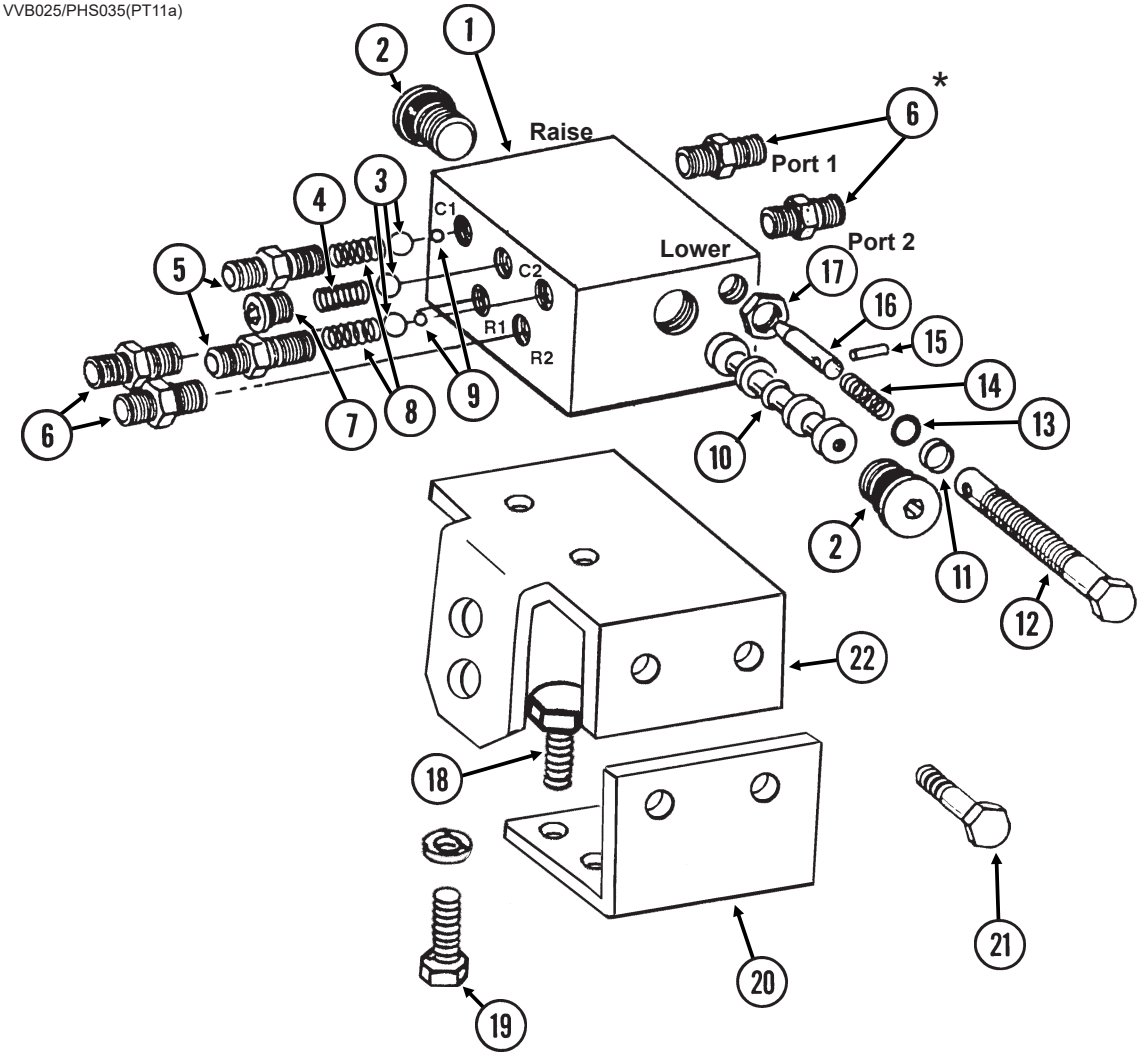
*Item is part of seal kit, item can not be purchased individaully.

(CYL33c)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA8130	1	Clevis W/Bushings, Hex Head Cap Screw and Hex Nut
	GR1401	2	Bushing
	G10939	1	Hex Head Cap Screw, ⅜"-16 x 2¼"
	G10101	1	Hex Nut, ⅜"-16
2	GD12513	1	Rod
3	GD11995	1	Gland
4	GA8924	1	Piston W/Rephasing Valve
	GR1169	-	Rephasing Valve Replacement Kit (Includes: Set Screw, Guide, 2 Springs and Ball)
5	GD27235	1	Nylon Lock Nut, 1"-14, Grade 8
6	A8923	1	Barrel
7	G10957	4	Steel Shim
A	GA8897	-	Cylinder Complete, 4¼" x 4" *(Part Number Stamped On Barrel)*
B	GR1523	-	Seal Kit, Includes: (1) Wiper, (2) O-Rings, (1) BU Ring, (1) U-Cup, (1) Seal, (1) Expander, (2) Cast Iron Ring

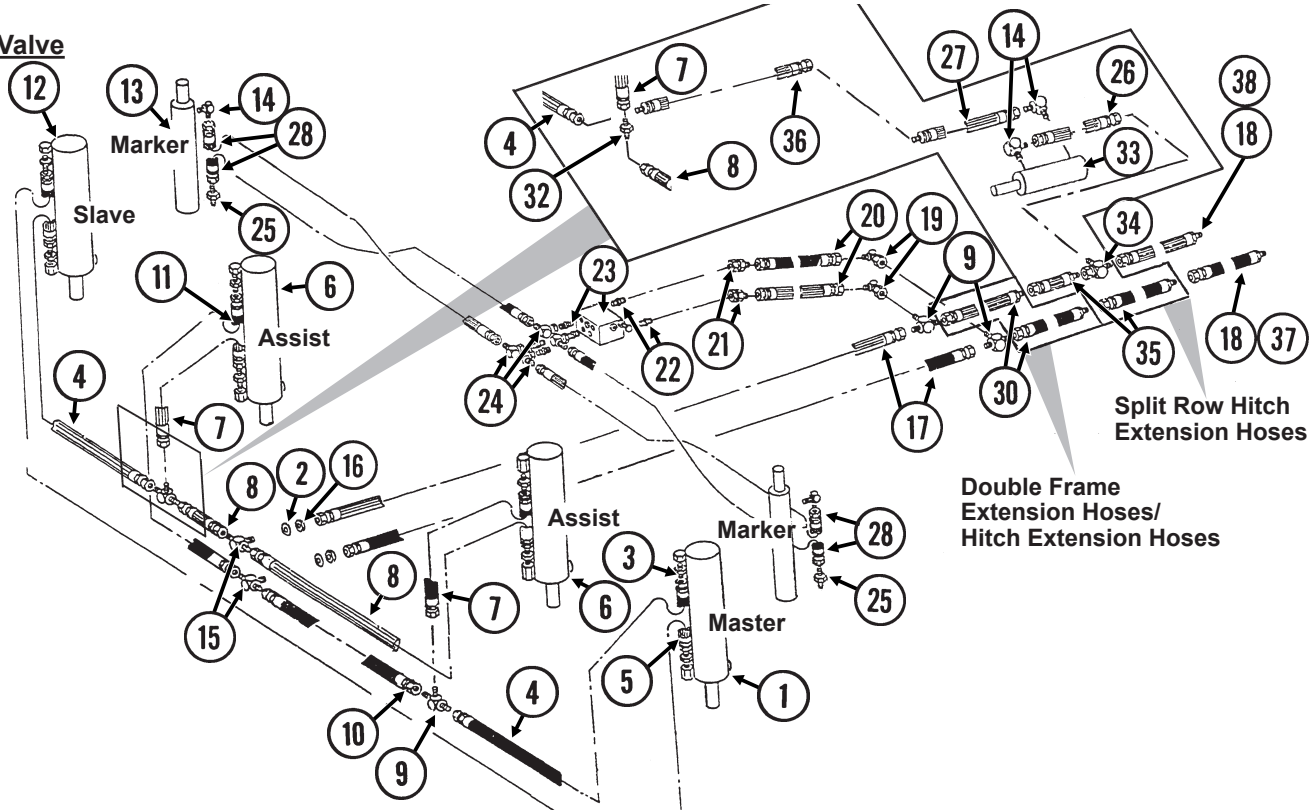
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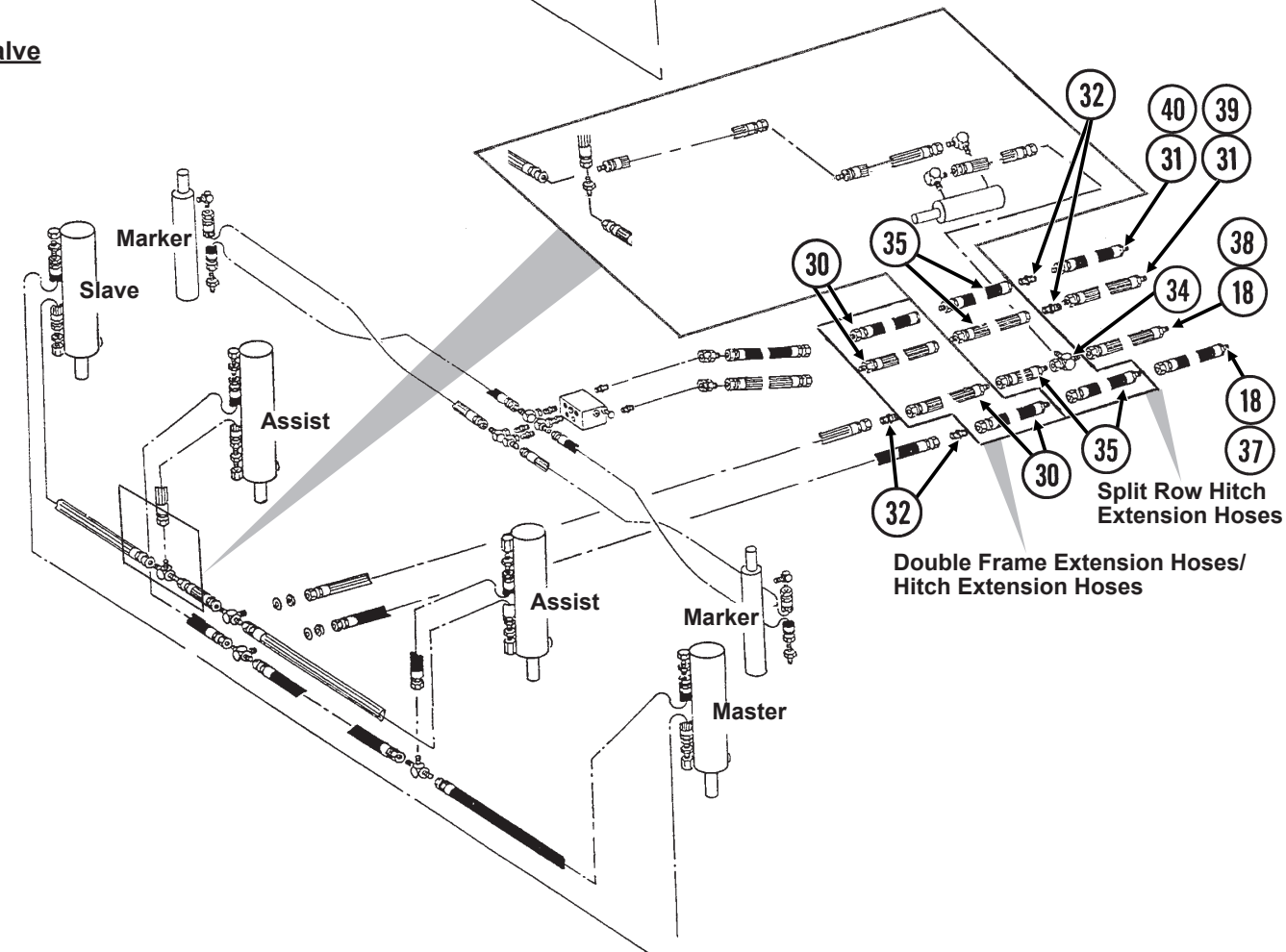
ITEM	PART NO.	QTY.	DESCRIPTION
1	---	-	Valve Body **(Non-Stock Item)**
2	GR1047 GR1037	2 -	Hex Socket Plug W/O-Ring O-Ring
3	GR1044	3	7/16" Check Ball
4	GR1033	1	Detent Spring
5	GR1032 GR1045	2 -	Port Adapter W/O-Ring O-Ring
6	*G6400-06 GR1045	4 -	Connector W/O-Ring, 9/16"-18 Male 37° JIC To 9/16"-18 O-Ring O-Ring
7	GR1034 GR1035	1 -	Hex Socket Plug W/O-Ring O-Ring
8	GR1036	2	Spring
9	GR1043	2	1/4" Steel Ball
10	---	-	Spool **(Non-Stock Item)**
11	GR1041	2	Teflon BU Ring
12	GR1042	2	Adjustment Screw
13	GR1040	2	O-Ring
14	GR1046	2	Compression Spring
15	GR1039	2	Spring Pin
16	GR1038	2	Needle
17	GR1048	2	Hex Jam Nut, 1/2"-20
18	G10001 G11387 G10229	2 2 2	Hex Head Cap Screw, 3/8"-16 x 1" Washer, 3/8" SAE Lock Washer, 3/8"
19	G10001 G10229	2 2	Hex Head Cap Screw, 3/8"-16 x 1" Lock Washer, 3/8"
20	GD10223	1	Mounting Angle
21	G10001 G11387 G10229 G10101	2 2 2 2	Hex Head Cap Screw, 3/8"-16 x 1" Washer, 3/8" SAE Lock Washer, 3/8" Hex Nut, 3/8"-16
22	GD10224	1	Valve Mounting Angle
A	GA5552	-	Valve Assembly Complete (Items 1-17)
B	GA5572	-	Flow Control Portion Only (Items 11-17)

***Not used on sizes with 3/8" hoses.**

Single Valve



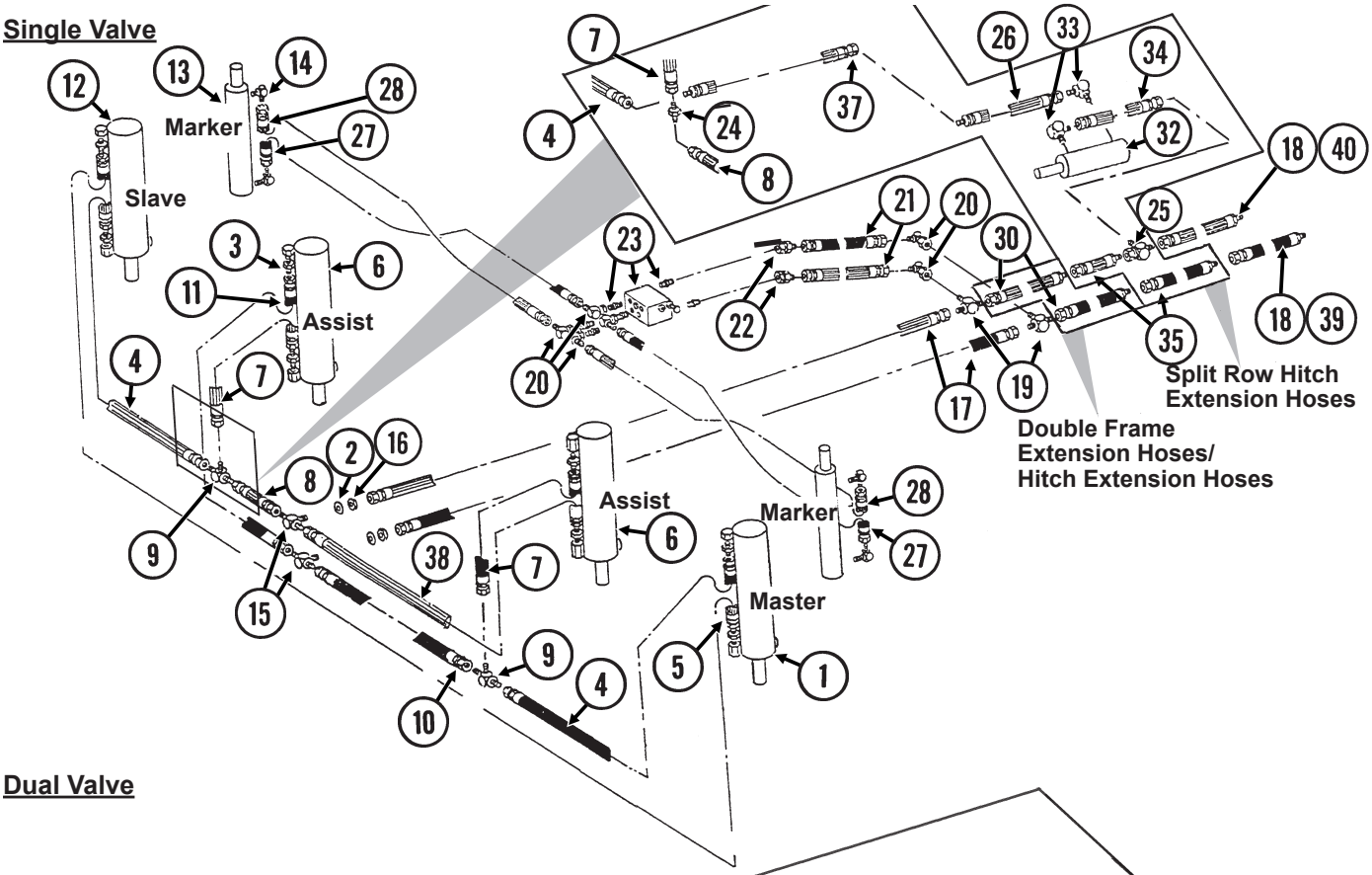
Dual Valve



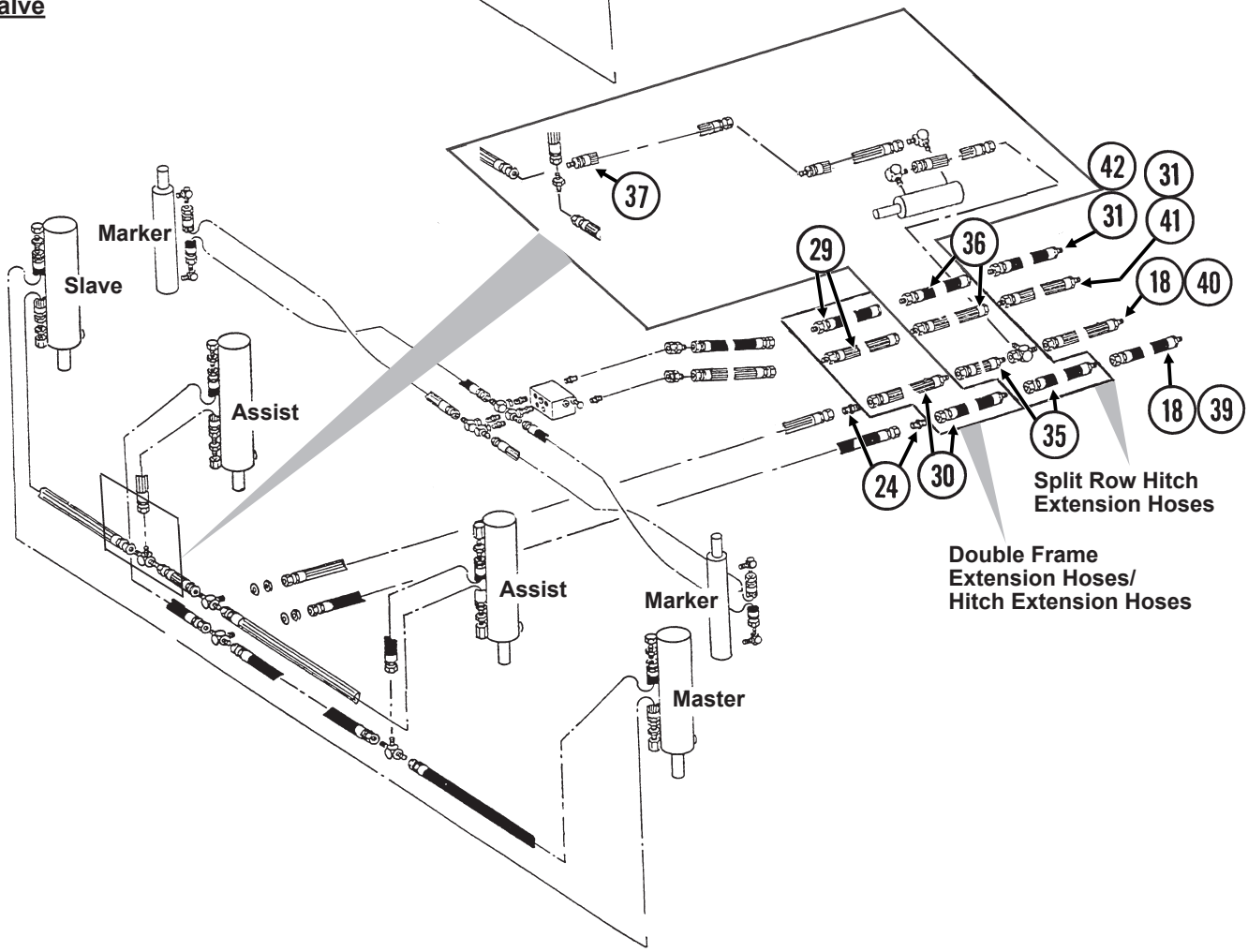
ITEM	PART NO.	QTY.	DESCRIPTION
1	---	-	See “Master Lift Cylinder” on page P122
2	G10215	2	Machine Bushing, ¾", 14 Gauge
3	G6400-08 GR1037	8 -	Connector W/O-Ring, ¾"-16 Male JIC To O-Ring O-Ring
4	*A1018	2	Hose Assembly, ⅜" x 40"
5	*A1054	1	Hose Assembly, ⅜" x 204"
6	---	-	See “Lift Assist Cylinder, 6 Row and 8 Row” on page P124
7	*A1000	2	Hose Assembly, ⅜" x 15"
8	*A1055	1	Hose Assembly, ⅜" x 66"
9	G2603-08-08-06	2	Tee, ¾"-16 Male JIC To 9⁄16”-18 JIC
10	*A1021	2	Hose Assembly, ⅜" x 56"
11	*A1055	1	Hose Assembly, ⅜" x 66"
12	---	-	See “Slave Lift Cylinder” on page P123
13	---	-	See “Row Marker Cylinder, 8 Row” on page P126
14	G6500-08-06 GR1037	2 -	Swivel Elbow, 90°, 3/4”-16 Male JIC To 9/16”-18 Female O-Ring
15	G2703-08-08	2	Bulkhead Tee, ¾"-16 Male JIC
16	G306-08	2	Lock Nut, ¾"-16
17	*A1076	2	Hose Assembly, ⅜" x 30"
18	*A26936-125	2	Hose Assembly, 3/8” x 125” (08F-1/2M NPTF W/Ext, W/Tip)
19	G6500-08	2	Swivel Elbow, 90°, ¾"-16 Male JIC To Female
20	*A1079	2	Hose Assembly, ⅜" x 24"
21	G6502-08	2	Swivel Elbow, 45°, ¾"-16 Male JIC To Female
22	G6400-08-06 GR1045	2 -	Connector W/O-Ring, ¾"-16 Male JIC To 9⁄16"-18 O-Ring O-Ring
23	---	-	See “Row Marker Sequencing/Flow Control Valve” on page P128
24	G6500-06	2	Swivel Elbow, 90°, ¾"-16 Male JIC To 9⁄16"-18 Female
25	G6500-08-06	2	Connector W/O-Ring, ¾"-16 Male JIC To O-Ring
26	*A1076	1	Hose Assembly, ⅜" x 30", W/Split Row Package
27	*A3209	1	Hose Assembly, ⅜" x 170", W/Split Row Package
28	*A1182 *A1168	2 2	Hose Assembly, ¼” x 30” Hose Assembly, ¼” x 120”
29	---	-	---
30	*A3142 *A3147	- -	Hose Assembly, ⅜" x 30", W/Double Frame Package Hose Assembly, ⅜" x 24", W/Hitch Extensions
31	*A26939-56	2	Hose Assembly ⅜” x 56” (06F - 1/2M NPTF W/Ext W/Tip)
32	G2403-08	-	Union, ¾"-16 Male JIC
33	---	-	See “Split Row Lift Cylinder” on page P127
34	G6602-08	1	Swivel Tee, ¾"-16 JIC
35	*A3150	2-4	Hose Assembly, ⅜" x 56", W/Split Row Package
36	*A3142	1	Hose Assembly, ⅜" x 30", W/Split Row Package (Double Frame Only)
37	GA26924-01	-	Hose Label/Cover, Red (Extend)
38	GA26924-02	-	Hose Label/Cover, Red (Retract)
39	GA26924-03	-	Hose Label/Cover, Blue (Extend)
40	GA26924-04	-	Hose Label/Cover, Blue (Retract)

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

Single Valve



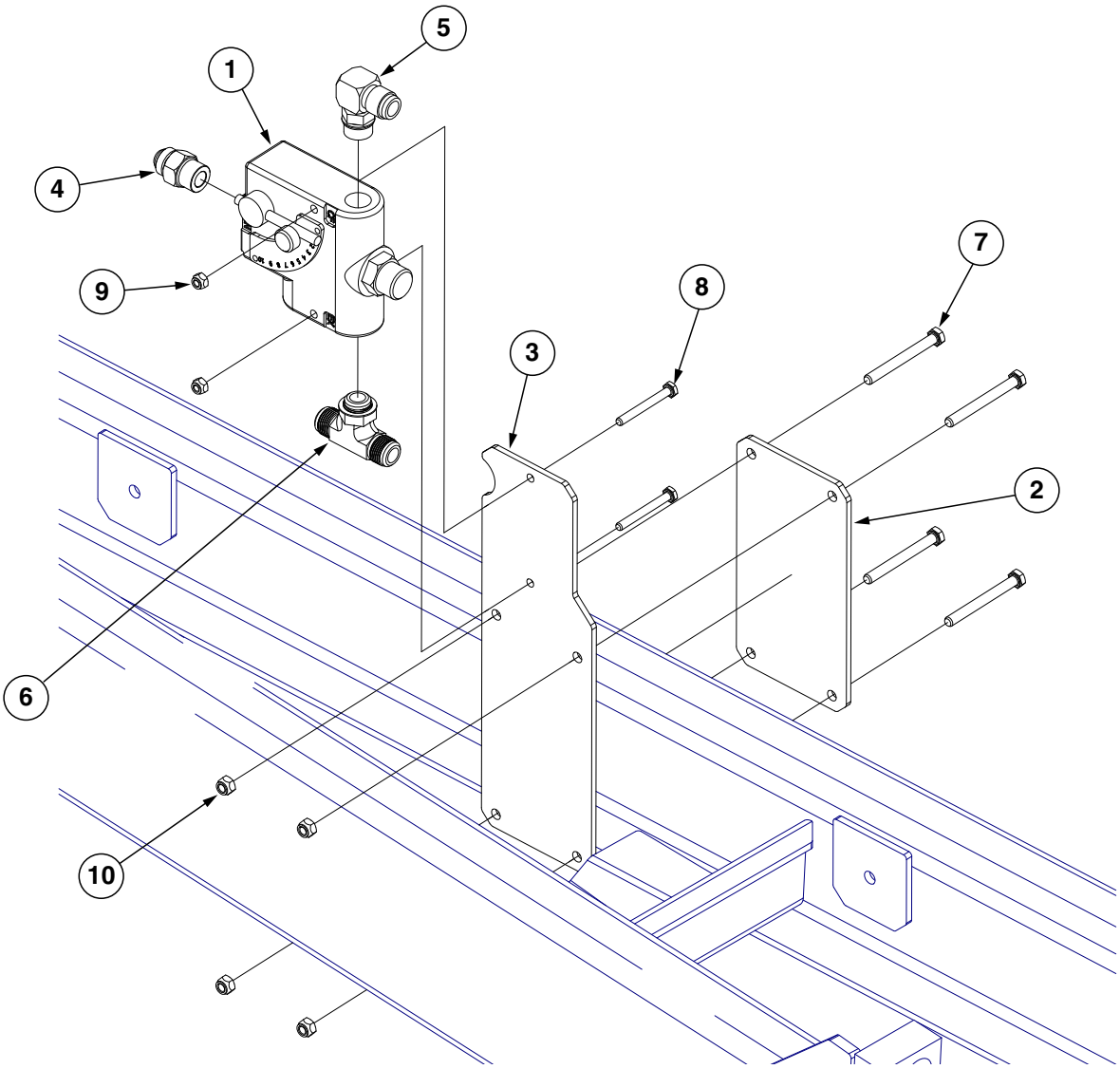
Dual Valve



ITEM	PART NO.	QTY.	DESCRIPTION
1	---	-	See “Master Lift Cylinder” on page P122
2	G10215	2	Machine Bushing, ¾", 14 Gauge
3	G6400-08 GR1037	8 -	Connector W/O-Ring, ¾"-16 Male JIC To O-Ring O-Ring
4	*A1018	2	Hose Assembly, ⅜" x 40"
5	*A3115	1	Hose Assembly, ⅜" x 146"
6	---	-	See “Lift Assist Cylinder, 6 Row and 8 Row” on page P124
7	*A1000	2	Hose Assembly, ⅜" x 15"
8	*A3119	1	Hose Assembly, ⅜" x 36"
9	G2603-08	2	Tee, ¾"-16 Male JIC
10	*A1086	1	Hose Assembly, ⅜" x 28"
11	*A1019	1	Hose Assembly, ⅜" x 44"
12	---	-	See “Slave Lift Cylinder” on page P123
13	---	-	See “Row Marker Cylinder, 8 Row” on page P126
14	G6801-06-08 GR1037	4 -	Elbow W/O-Ring, 90°, 9⁄16"-18 Male JIC To ¾"-16 O-Ring O-Ring
15	G2703-08-08	2	Bulkhead Tee, ¾"-16 Male JIC
16	G306-08	2	Lock Nut, ¾"-16
17	*A1076	2	Hose Assembly, ⅜" x 30"
18	*A26936-125	2	Hose Assembly, ⅜” x 125” (08F-1/2M NPTF W/Ext, W/Tip)
19	G2603-08-08-06	2	Tee, ¾"-16 Male JIC To 9⁄16"-18 JIC
20	G6500-06	2	Swivel Elbow, 90°, 9⁄16"-18 Male JIC To Female
21	*A1138	2	Hose Assembly, ¼" x 29"
22	G6502-06	2	Swivel Elbow, 45°, 9⁄16"-18 Male JIC To Female
23	---	-	See “Row Marker Sequencing/Flow Control Valve” on page P128
24	G2403-08	1	Union, ¾"-16 Male JIC
25	G6602-08	1	Swivel Tee, ¾"-16 JIC
26	*A3208	1	Hose Assembly, ⅜" x 140", W/Split Row Package
27	*A1106	2	Hose Assembly, ¼" x 125"
28	*A1168	2	Hose Assembly, ¼" x 120"
29	*A1182 *A1177	- -	Hose Assembly, ¼" x 30", W/Double Frame Package Hose Assembly, ¼" x 24", W/Hitch Extensions
30	*A3142 *A3147	- -	Hose Assembly, ⅜" x 30", W/Double Frame Package Hose Assembly, ⅜" x 24", W/Hitch Extensions
31	*A26939-56	2	Hose Assembly, ⅜” x 56”
32	---	-	See “Split Row Lift Cylinder” on page P127
33	G6801-08 GR1037	2 -	Elbow W/O-Ring, 90°, ¾"-16 Male JIC To O-Ring O-Ring
34	*A1076	1	Hose Assembly, ⅜" x 30", W/Split Row Package
35	*A3150	2	Hose Assembly, ⅜" x 56", W/Split Row Package
36	*A1179	2	Hose Assembly, ¼" x 56", W/Split Row Package
37	*A3142	1	Hose Assembly, ⅜" x 30", W/Split Row Package (Double Frame Only)
38	*A3175	1	Hose Assembly, ⅜" x 38"
39	GA26924-01	-	Hose Label/Cover, Red (Extend)
40	GA26924-02	-	Hose Label/Cover, Red (Retract)
41	GA26924-03	-	Hose Label/Cover, Blue (Extend)
42	GA26924-04	-	Hose Label/Cover, Blue (Retract)

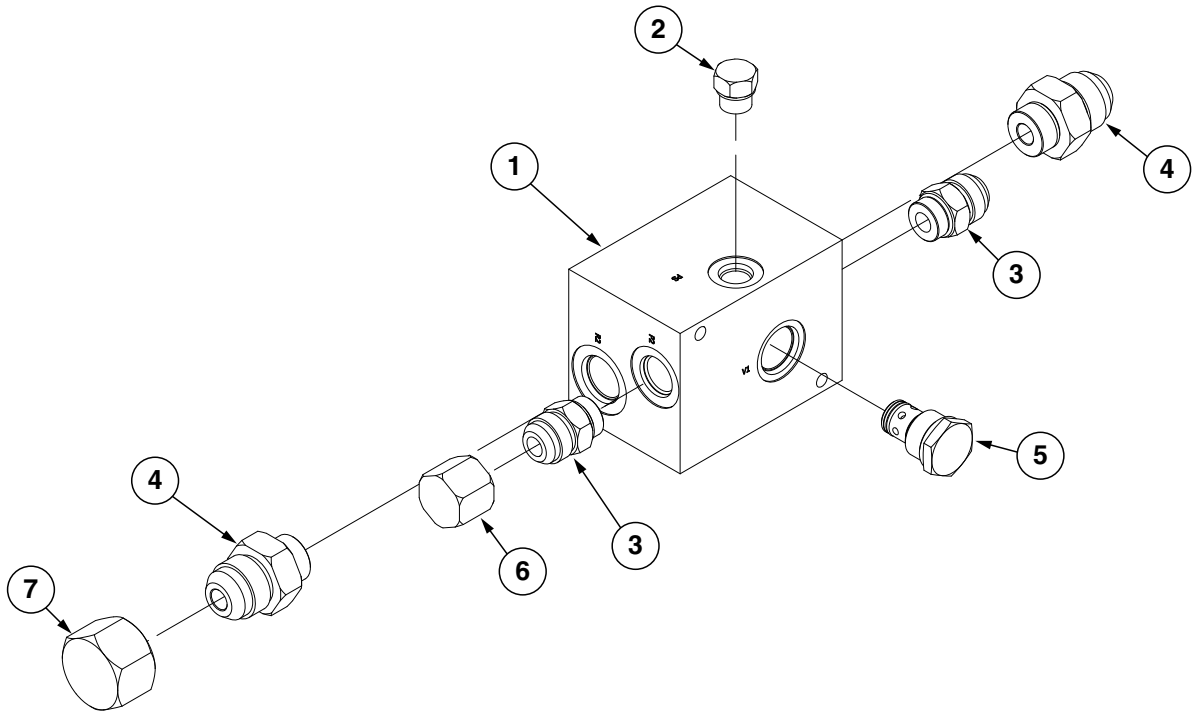
*** Hydraulic hose is not stocked by Kinze Repair Parts.**

(1K656)



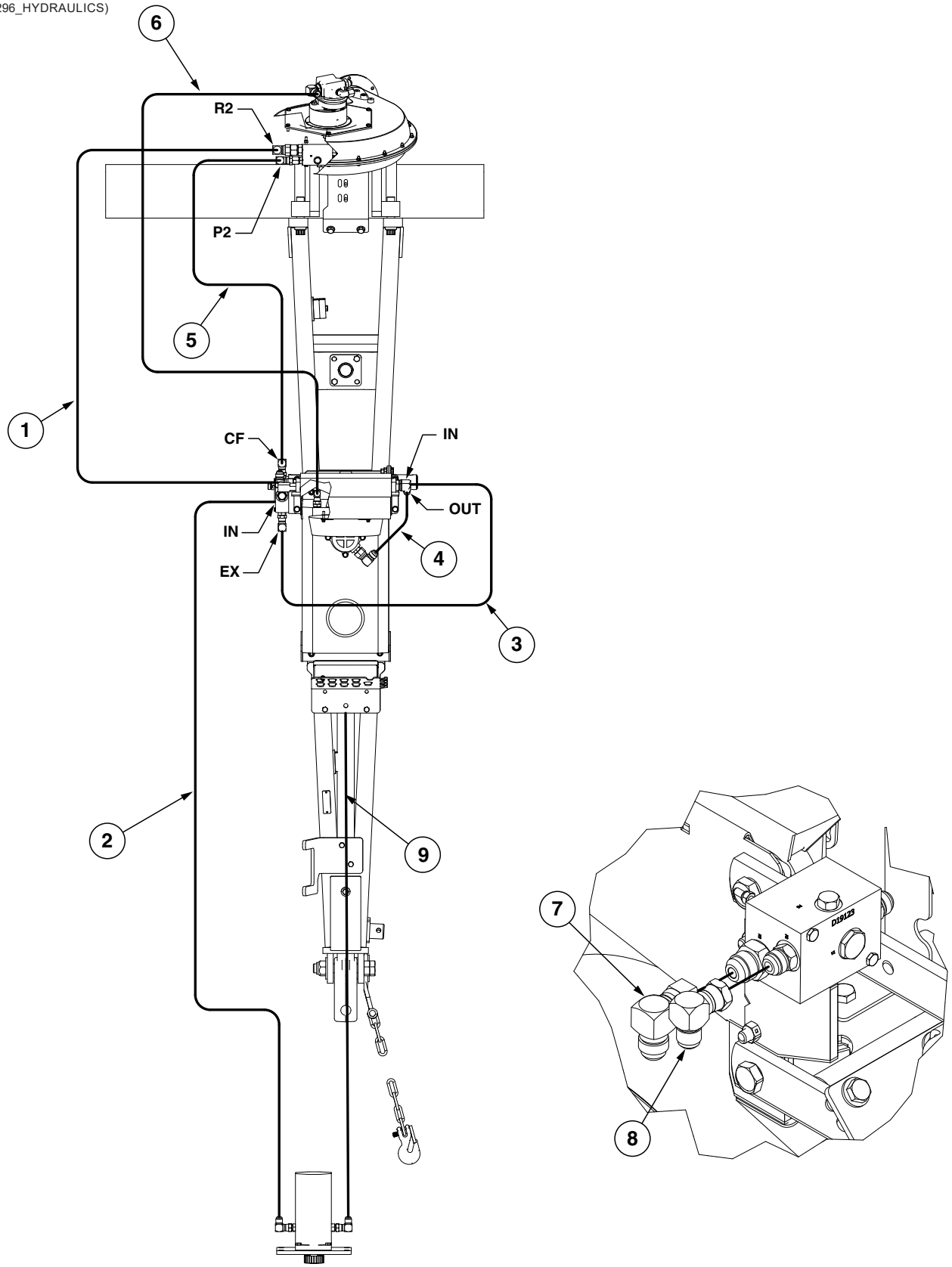
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA10918	1	Flow Control Valve
2	GD29719	1	Bypass Valve Plate Mount, Back
3	GD29721	1	Bypass Valve Plate Mount, Front
4	G6400-10 GR1466	1	Connector W/O-Ring, 7/8"-14 Male JIC To O-Ring O-Ring
5	G6801-10 GR1466	1	Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To O-Ring O-Ring
6	G6803-10	1	Tee W/O-Ring, 7/8"-14
7	G12003-80	4	Hex Head Cap Screw, M8-1.25 x 80
8	G12004-60	2	Hex Head Cap Screw, M6-1.0 x 60
9	G12101	4	Hex Lock Nut, M6-1.00
10	G12013	2	Hex Lock Nut, M8-1.25

(A15813)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GD19123	1	Vacuum Fan Override Valve Block
2	G6408-06 GR1045	1 -	Plug W/O-Ring, 9/16"-18 O-Ring O-Ring
3	G6400-10-08 GR1037	2 -	Connector W/O-Ring, 7/8"-14 Male JIC To 3/4"-16 O-Ring O-Ring
4	G6400-12-10	2	Connector W/O-Ring, 1 1/16"-12 JIC To 7/8"-14 O-Ring
5	GA4293	1	Check Valve Cartridge
6	G304-C-10	1	Cap Nut, 7/8"-14
7	G304-C-12	1	Cap Nut, 1 1/16"-12

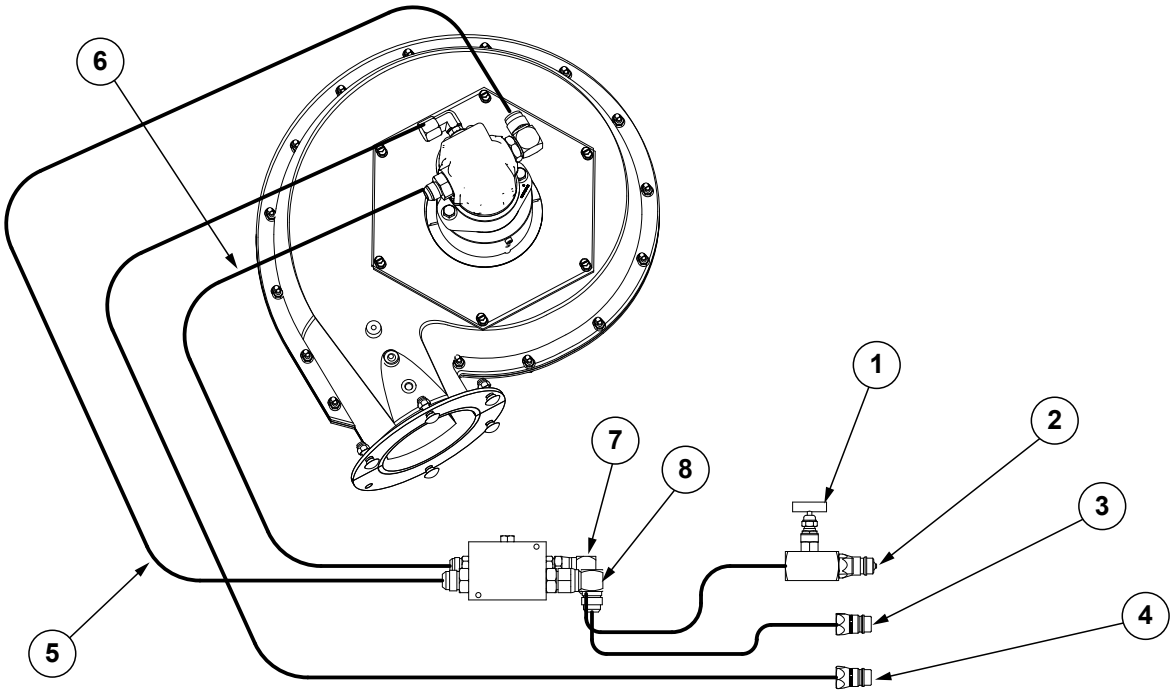
(A21296_HYDRAULICS)



ITEM	PART NO.	QTY.	DESCRIPTION
1	*A22783-1575	1	Hose Assembly, ⅝" x 1575 mm (12F-12F)
2	*A22774-3250	1	Hose Assembly, ½" x 3250 mm (10F-10F)
3	*A22774-600	1	Hose Assembly, ½" x 600 mm (10F-10F)
4	*A22783-600	1	Hose Assembly, ⅝" x 600 mm (12F-12F)
5	*A22774-1480	1	Hose Assembly, ½" x 1480 mm (10F-10F)
6	*A22766-2550	1	Hose Assembly, ⅜" x 2550 mm (08F-08F)
7	G6500-12	1	Swivel Elbow, 90°, 1 1/16"-12 Male JIC To Female
8	G6500-10	1	Swivel Elbow, 90°, ⅞"-14 Male JIC To Female
9	*A12990-90	1	Hose Assembly, 1” x 90” (16F-16F)

*** Hydraulic hose is not stocked by Kinze Repair Parts, but can be made available on a special order basis. Call for quote.**

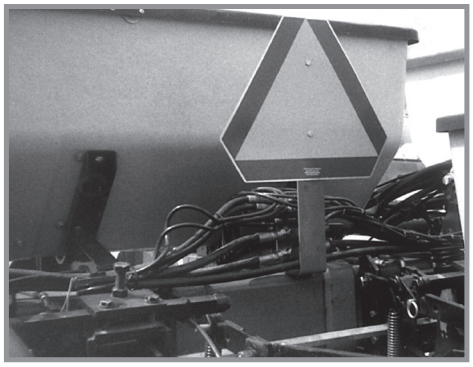
(A15815_hydraulics)

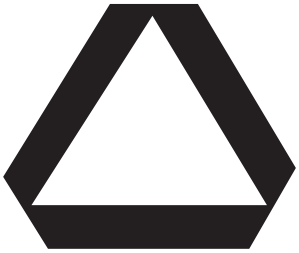


ITEM	PART NO.	QTY.	DESCRIPTION
1	GA11650	1	Needle Valve
2	*A18693-185	1	Hose Assembly, ½" x 185"
3	*A21548-185	1	Hose Assembly, ⅝" x 185"
4	*A26937-230	1	Hose Assembly, ⅜" x 230"
5	*A11498	1	Hose Assembly, ⅝" x 52' (12F-12F)
6	*A8262	1	Hose Assembly, ½" x 36"
7	G6500-10	1	Swivel Elbow, 90°, ⅞"-14 Male JIC To Female
8	G6500-12	1	Swivel Elbow, 90°, 1 1/16"-12 Male JIC To Female

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

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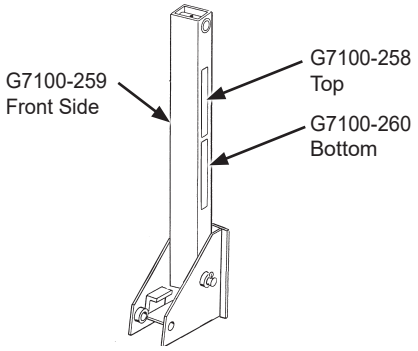
Part No.: GD2199
Description: SMV Sign
Quantity: 1



Conventional Row Marker



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

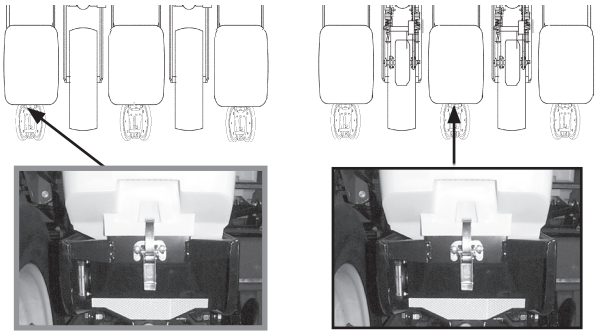




Part No.: G7100-557
Description: Reflective Decal, Red, 2" x 9", Rectangular
Quantity: 2 (1 Per Row Marker) (If Applicable)

Part No.: G7100-558
Description: Reflective Decal, Amber, 2" x 9", Rectangular
Quantity: 2 (1 Per Row Marker)

Part No.: G7100-559
Description: Reflective Decal, Orange, 2" x 9", Rectangular
Quantity: 2 (2 Per Row Marker)

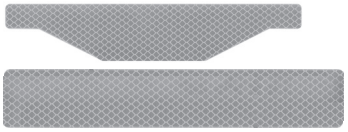


G7100-261 G7100-263



G7100-258 G7100-260

NOTE: Exceptions to above are 8 Row planters. Red reflective decals are used on 1, 3, 6, and 8 row units. Orange reflective decals are used on 2, 4, 5, and 7 row units. (If Applicable)



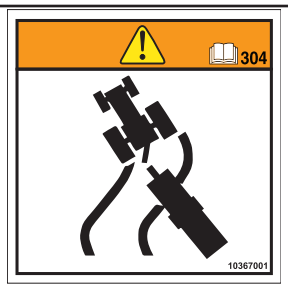
Part No.: G7100-261
Description: Reflective Decal, Red, 1¾" x 9", Die-Cut
Quantity: 2 (One per row unit located on the hopper support on the outside row unit on each end of the planter) (if applicable)

Part No.: G7100-263
Description: Reflective Decal, Orange, 1¾" x 9", Die-Cut
Quantity: 2 (One per row unit located on the hopper support on the second row unit in on each end of the planter) (if applicable)

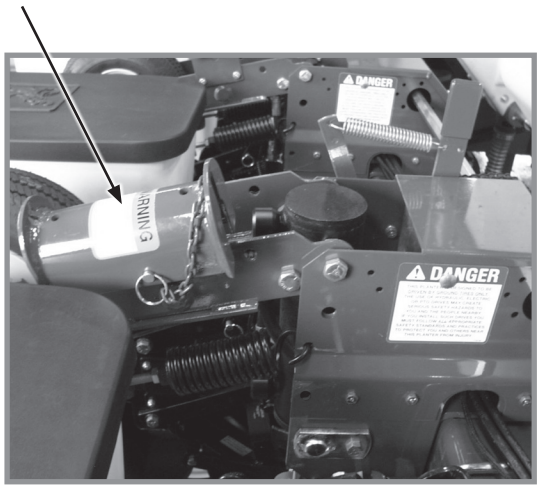
Part No.: G7100-557
Description: Reflective Decal, Red, 2" x 9", Rectangular
Quantity: 2 (One per row unit located on the granular chemical hopper panel extension on the outside row unit on each end of the planter) (If applicable)

Part No.: G7100-559
Description: Reflective Decal, Orange, 2" x 9", Rectangular
Quantity: 2 (One per row unit located on the granular chemical hopper panel extension on the second row unit in on each end of the planter) (if applicable)





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

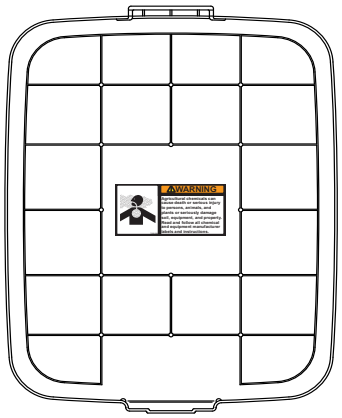




Part No.: G10367401
Description: Decal, Crush Warning (2021 Production and on)
Quantity: 1 (Per Contact Wheel Assembly)



Part No.: G10366801
Description: Decal, Warning (2021 Production and on)
Quantity: 1 (Per Contact Wheel Assembly)



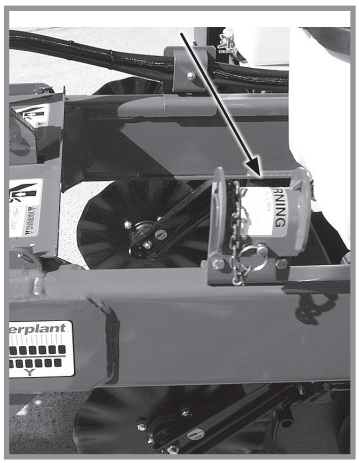


Part No.: G10367601
Description: Decal, Chemical Warning (2021 Production and on)
Quantity: 1 (1 Per Row Unit - Located On Underside Of Granular Chemical Hopper Lid)



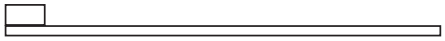


Part No.: G10371901
Description: Decal, Lifting Caution (2021 Production and on)
Quantity: 1 (Located On Push Row Unit Lift Lever)





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

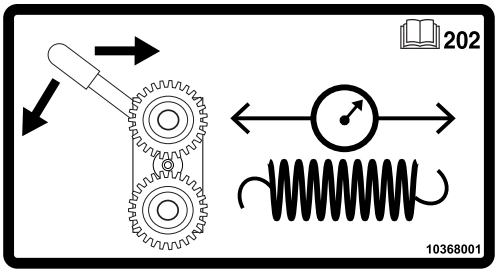


Part No.: GD1162
Description: Tie Strap, 28"

Part No.: GD1512
Description: Tie Strap, 7½"

Part No.: GD2117
Description: Tie Strap, 14½"

Part No.: GD2984
Description: Tie Strap, 34"



Part No.: G10368001
Description: Decal, Spring Tension Release
Quantity: -

Double Frame®

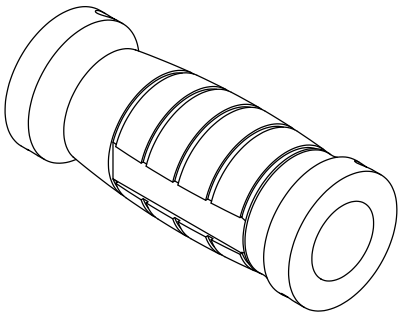
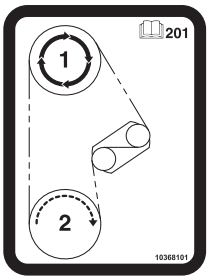
Part No.: G7100-60
Description: Decal, Double Frame
Quantity: 1

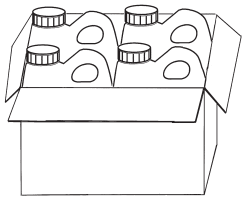


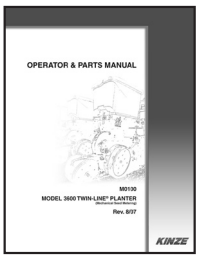
Part No.: G10074401
Description: Decal, 3005
Quantity: 2 (1 On Each Side Of Hitch)



Part No.: G10367201
Description: Decal, Warning (2021 Production and on)
Quantity: 1

	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
	Part No.: G10368101 Description: Decal, Transmission (2021 Production and on) Quantity: 1
	Part No.: G10368201 Description: Decal, Oil/Grease Daily (2021 Production and on) Quantity: -
	Part No.: G10371501 Description: Decal, Oild/Grease Weekly Quantity: -

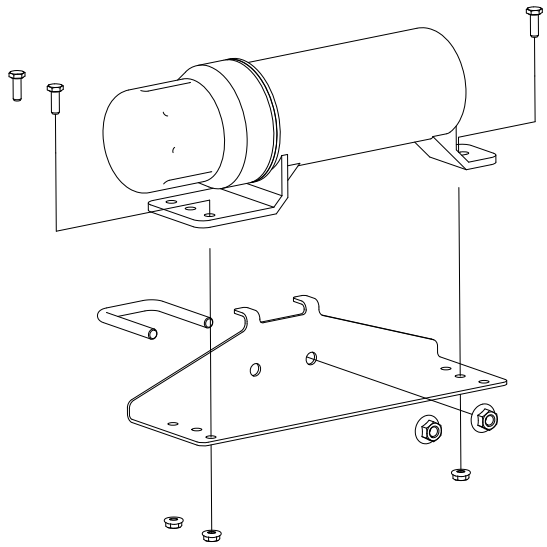
	Part No.: GR2127MPP Description: Blue Paint, Twelve Aerosol Cans
	Part No.: GR0146MPP Description: Powdered Graphite, Twenty-Four 1 Pound Containers
	Part No.: GR1570MPP Description: Talc Lubricant, Four 8 Pound Containers
	Part No.: GR1842MPP Description: Graphite Lubricant, Four 5 Pound Containers
	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.: GM0309-01
GM0309-01-RUS (Russian)
GM0309-01-UKR (Ukrainian)
GM0309-01-BGR (Bulgarian)
Description: Operator Manual, Model 3005

Part No.: GM0309-02
Description: Parts Manual, Model 3005

Part No.: GPR1094
Description: Binder (Contact Kinze Parts To Order)



Part No.: GA15422
Description: Operator's Manual Canister
Quantity: 1

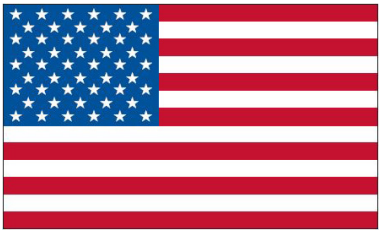
Part No.: GD22685
Description: Manual Canister Bracket
Quantity: 1

Part No.: GD22692
Description: U-Bolt, 1¾" x 1¾" x ⅜"-16
Quantity: 1

Part No.: G11091
Description: Serrated Flange Nut, ⅜"-16
Quantity: 2

Part No.: G11166
Description: Hex Socket Flange Cap Screw, ¼"-20 x ¾"
Quantity: 3

Part No.: G10621
Description: Serrated Flange Nut, ¼"-20
Quantity: 3



Part No.: G7100-484
Description: Decal, American Flag

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