

MODEL 3705 FRONT FOLDING EXPORT PLANTER PARTS MANUAL

M0313-02

Rev. 04/24

This manual applies to: Model: 3705 Front Folding Planters
 24 Row 70 cm; 2023 Production And On

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

Serial Number _____

Date Purchased _____

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

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

ROW UNIT

Pull Row Unit Assembly P1
 Shank Assembly, Seed Tube, and Depth Adjustment P2
 Pneumatic Down Pressure Package Option P4
 Parallel Arms, Mounting Support Plate, and Quick Adjustable
 Down Force Springs Option P6
 15" Seed Opener Disc Blade/Bearing Assembly and
 Scrapers P8
 Gauge Wheels P10
 "V" Closing Wheels P12
 Hopper Support and Meter Drive P14
 Row Unit Idler P16
 Seed Hopper and Lid P17
 Ag Leader Electric Clutch P18
 Vacuum Seed Meter P20
 Granular Chemical P22
 Granular Chemical Meter and Meter Drive P24
 Granular Chemical Hopper and Hopper Panel Extension P25
 Coulter Mounted Residue Wheels P26
 Row Unit Mounted Residue Wheel P28
 Row Unit Mounted No Till Coulter P30

VACUUM SYSTEM

Vacuum Fan Assembly P33
 PTO Option P36
 PTO Reservoir Assembly P38
 PTO Gear Pump Mount Assembly P40
 Manifolds and Distribution Hoses P42
 Vacuum Fan/Manifold Mounting Supports and Hardware P44

BASE MACHINE

Front Hitch Assembly P46
 Axle and Transport Lockup P49
 Hitch and Linkage Assembly P50
 Front Hitch Assembly (Rear Section) P52
 Front Wear Pads P53
 Tower Assembly P54
 Stroke Limiter/Detent Valve Assembly and Linkage P56
 Hinge and Wing Assemblies P58
 Hinge and Wing Assemblies P59
 Hose Take-Up P60
 Transport Wheel and Hub Assembly P62
 Wheel Module Assembly P64
 Ground Drive Tire Assembly P67
 Contact Wheel Assembly P68
 Point Row Clutch P70

Air Compressor and Dual Solenoid Assembly P74
 Accumulator Assembly P76
 Ratchet/Sprocket Assembly P77
 Seed Rate Transmission and Driveline P78
 Row Marker Assembly P80
 Row Marker Spindle/Hub/Blade P84
 Slave Cylinder P88
 Master Cylinder P88
 Hitch Parallel Linkage Cylinder P89
 Row Marker (Cushion) Cylinder P90
 Helper Cylinder P91
 Tongue Cylinder P92
 Valve Block on Front Hitch P94
 Bulk Fill/Vacuum Anti-Cavitation Check Valve Block (Located
 on Vacuum Fan) P96
 Valve Block on Tower Assembly P97
 Valve Block on R.H. Wing P98
 Valve Block on L.H. Wing P100
 Pilot Pressure Booster Valve Block P101
 Junction Block on Hose Take-Up P102
 Detent Lever Valve P103
 Junction Block - Located on L.H. Wing P103
 Stroke Limiter Valve P104
 Pilot Operated Check Valve P104
 Solenoid Valve (G1K276) P105
 Solenoid Valve (G1K275) P105
 Pressure Relief Valves P106
 Check Valve P106
 Flow Control Valve P106
 Vacuum Fan Hydraulic Motor Assembly P107
 PTO Pump Hydraulic Valve Block P108
 Hydraulic System P110
 Electrical Components P112
 Light/Reflective Decal Brackets and Extensions P115
 KPM III Electronic Seed Monitor P116
 Miscellaneous Display Parts P120
 Planter Monitor Module (PMM) P122
 Ag Leader Electric Clutch Package P124
 ISOBUS Retrofit Cabling Package - Integra P126
 Liquid Fertilizer Piston Pump Drive P128
 Liquid Fertilizer Piston Pump Mount and Ground Drive
 Wheel P130
 Liquid Fertilizer Tube In Furrow P133
 Liquid Fertilizer Hoses and Fittings P134
 Liquid Fertilizer Piston Pump, NGP-6055 P136
 Liquid Fertilizer Piston Pump, NGP-7055 P138

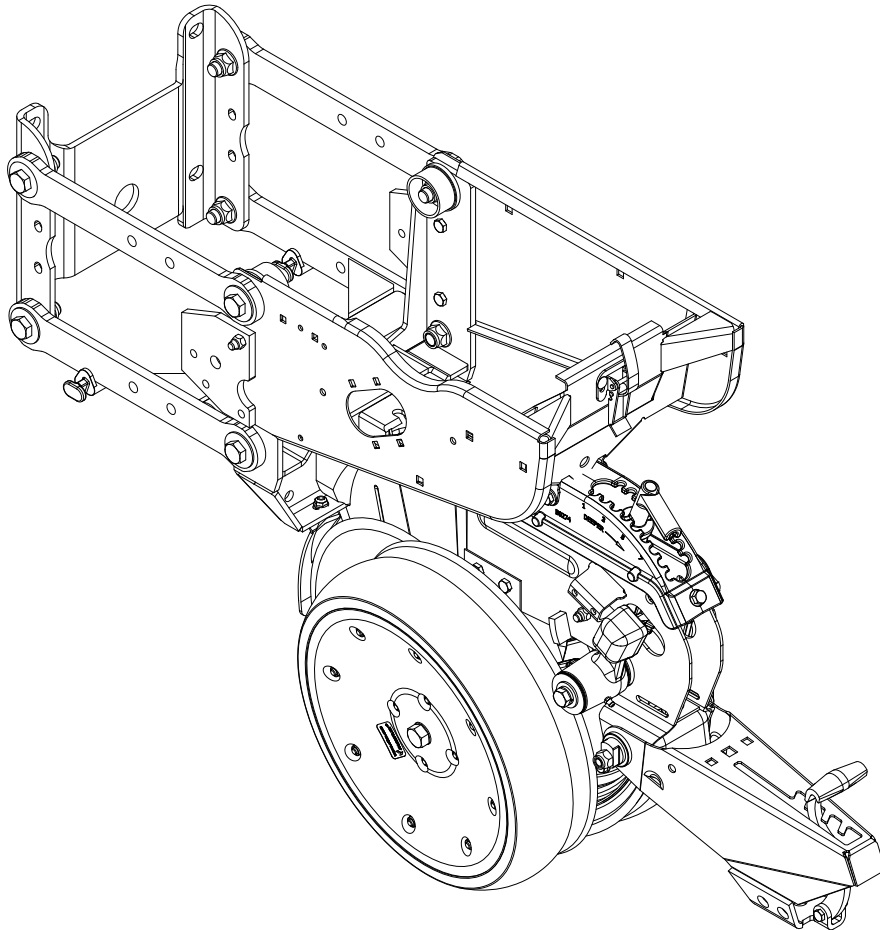
Liquid Fertilizer Piston Pump Flow Divider P140

Rear Trailer Hitch P142

DECALS, PAINT, AND MISCELLANEOUS P144

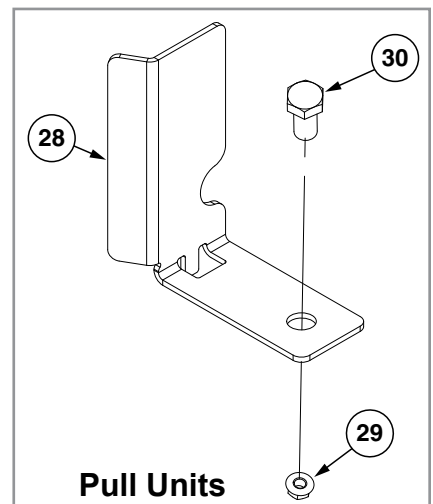
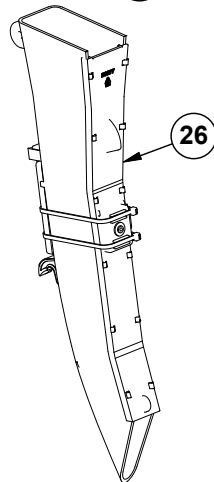
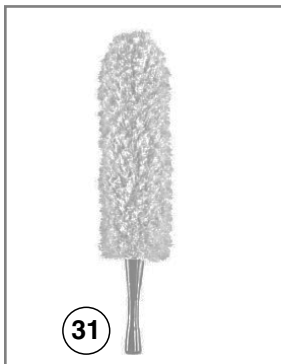
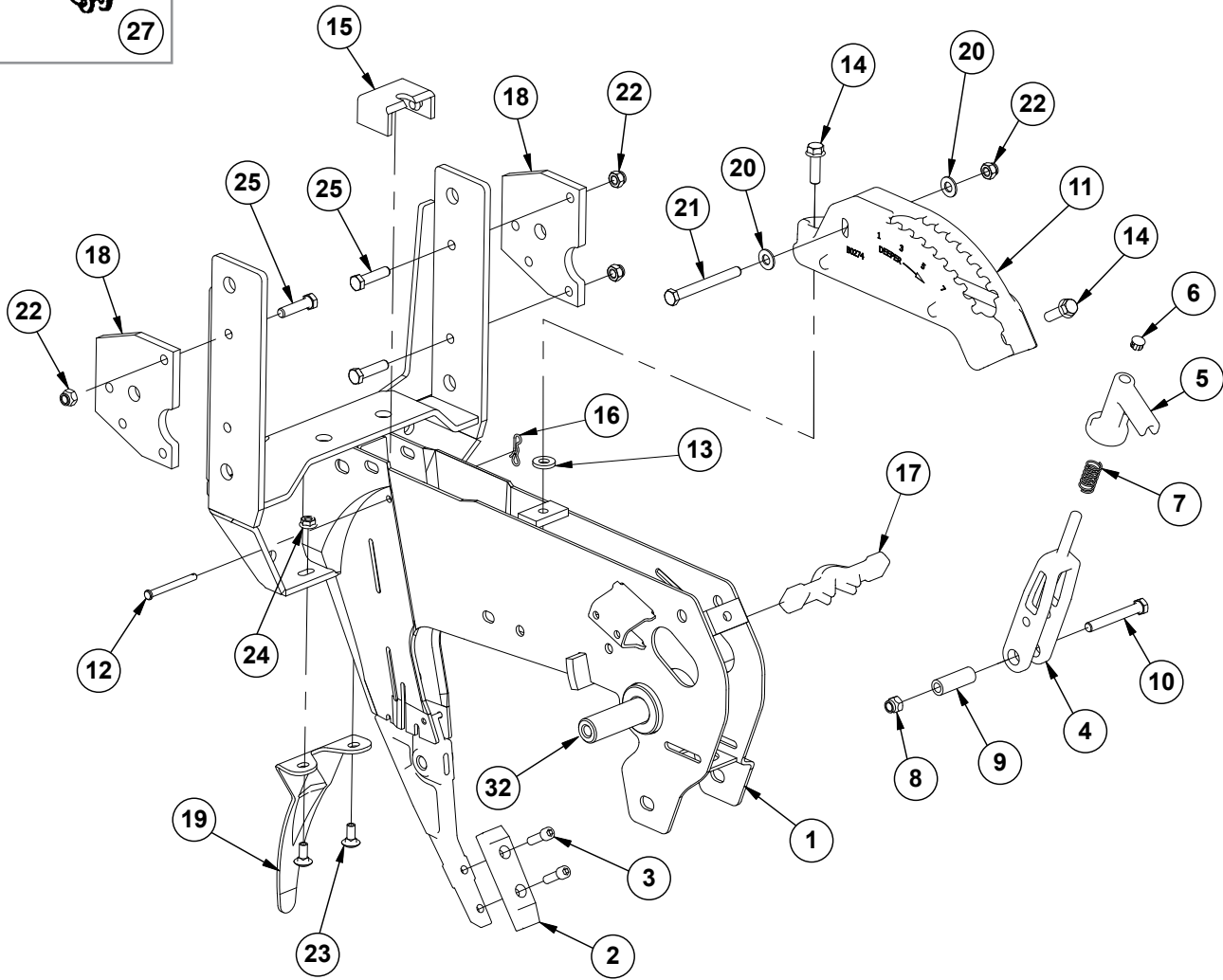
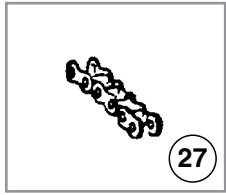
NUMERICAL INDEX P154

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)

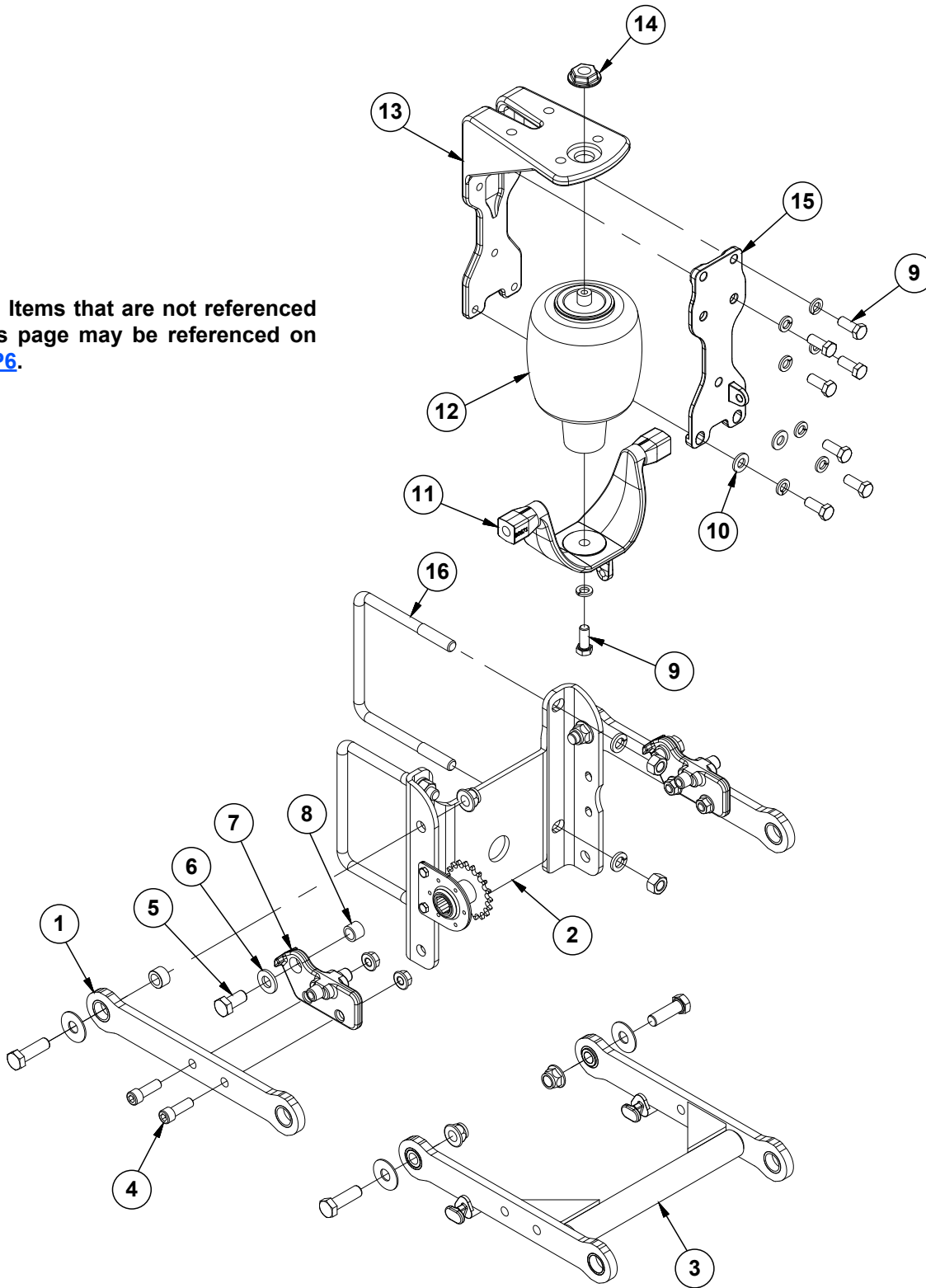
(IP1577)



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, 3/8"-24, Grade C
9	GD11259	1	Sleeve, 3/8" I.D. x 5/8" O.D. x 1 ²⁵ / ₃₂ " Long
10	G11592	1	Hex Head Cap Screw, 3/8"-24 x 2 ³ / ₄ ", Grade 8
11	GB0274	1	Cover, Depth Adjustment
12	G10551	1	Clevis Pin, 1/4" x 2 1/2"
13	G10207	1	Washer, 7/8" O.D. x 1 ³ / ₃₂ " I.D. x .134" (If Applicable)
14	G11015	2	Hex Washer Head Cap Screw, 3/8"-16 x 1 ¹ / ₄ "
15	GD16245	1	Sun Shade (Rubber)
16	G10122301	1	Bow Tie Cotter Pin
17	GB0265	1	Pivot Link, Depth Adjustment
18	GD24545	2	Row Unit Stop
19	GD28390	1	Shield
20	G11387	2	Flat Washer, 3/8" SAE
21	G10061	1	Hex Head Cap Screw, 3/8"-16 x 3 1/2"
22	G10108	4	Lock Nut, 3/8"-16
23	G10312	2	Carriage Bolt, 5/16"-18 x 3/4"
24	G10620	2	Serrated Flange Nut, 5/16"-18
25	G10003	3	Hex Head Cap Screw, 3/8"-16 x 1 1/2"
26	G10745401	1	Seed Tube Assembly
27	G3303-108	1	Chain, No. 41, 108 Pitch Including Connector Link (Vacuum)
	G3303-16	-	Chain, No. 41, 16 Pitch Including Connector Link (Used W/Row Unit Extension Brackets)
	GR0196	-	Connector Link, No. 41
28	GD29798	1	Chain Guard
29	G10071	1	Serrated Flange Nut, 1/2"-13
30	G10014	1	Hex Head Cap Screw, 1/2"-13 x 1"
31	G10475701	-	Professional Microfiber Duster, 19" (for cleaning Seed Tube sensors)
32	GD11001	1	Spindle
	G10438	1	Hex Head Cap Screw, 1/2"-13 x 3/4"

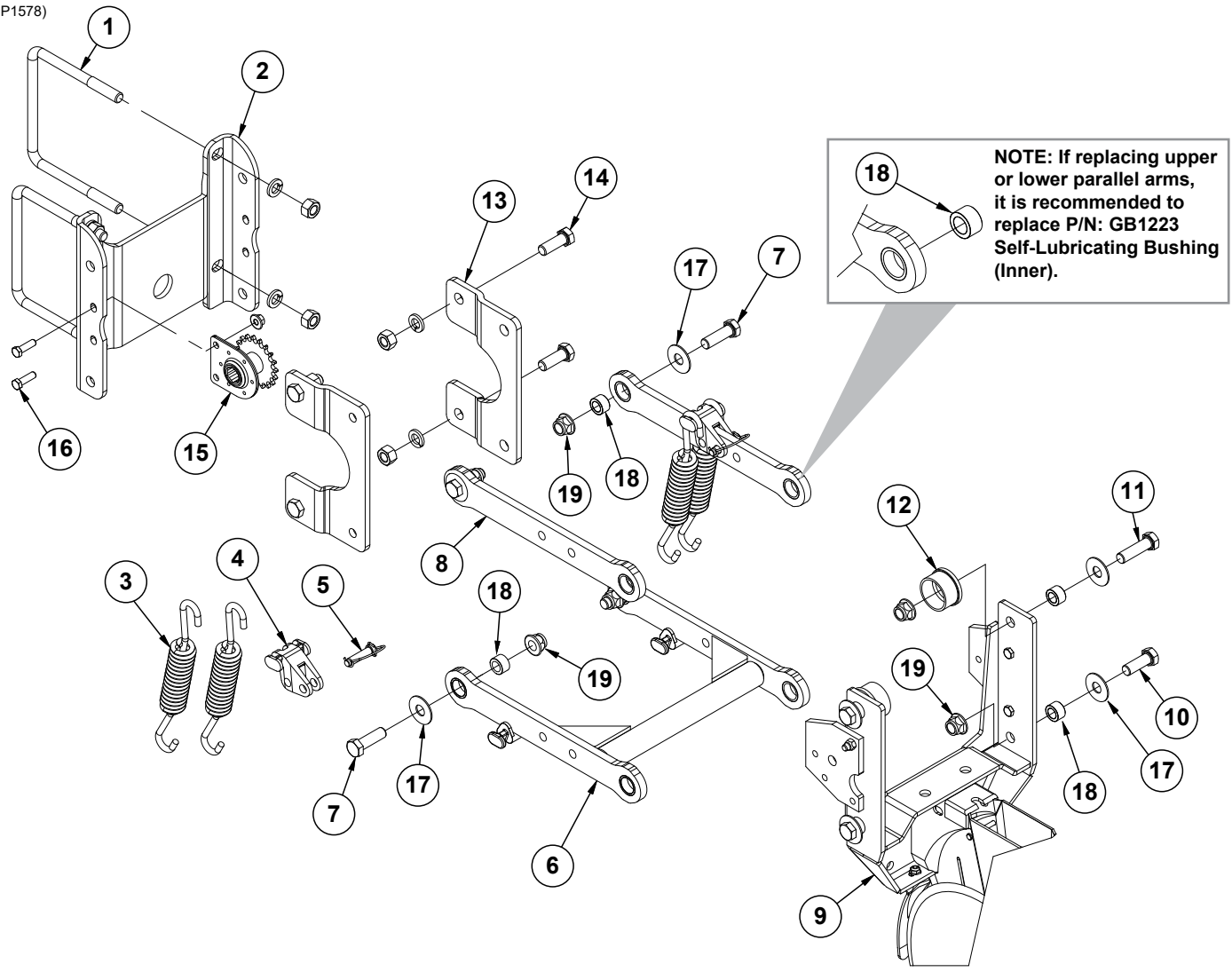
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NOTE: Items that are not referenced on this page may be referenced on [page P6](#).



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	2	See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Force Springs Option" on page P6
2	GD10036	1	Mounting Support Plate
3	---	1	See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Force Springs Option" on page P6
4	G11220	4	Hex Socket Cap Screw, 1/2"-13 x 1 1/2"
	G10071	4	Serrated Flange Nut, 1/2"-13
5	G11018	2	Hex Head Cap Screw, 5/8"-18 x 1 1/4"
6	G11391	2	Flat Washer, 5/8" SAE
7	GB0395	2	Bracket
8	GD3180-30	2	Sleeve, 7/8" O.D. x 5/8" I.D. x 2 1/32"
9	G10037	8	Hex Head Cap Screw, 1/2"-13 x 1 1/4"
	G10228	8	Lock Washer, 1/2"
10	G11389	2	Flat Washer, 1/2" SAE
11	GD23995	1	Saddle
12	GA11982	1	Air Spring Assembly
13	GB0396	1	Head Mount
14	GB0397	1	Shoulder Nut, 3/4"-16
15	GB0393	1	Plate
16	---	---	See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Force Springs Option" on page P6

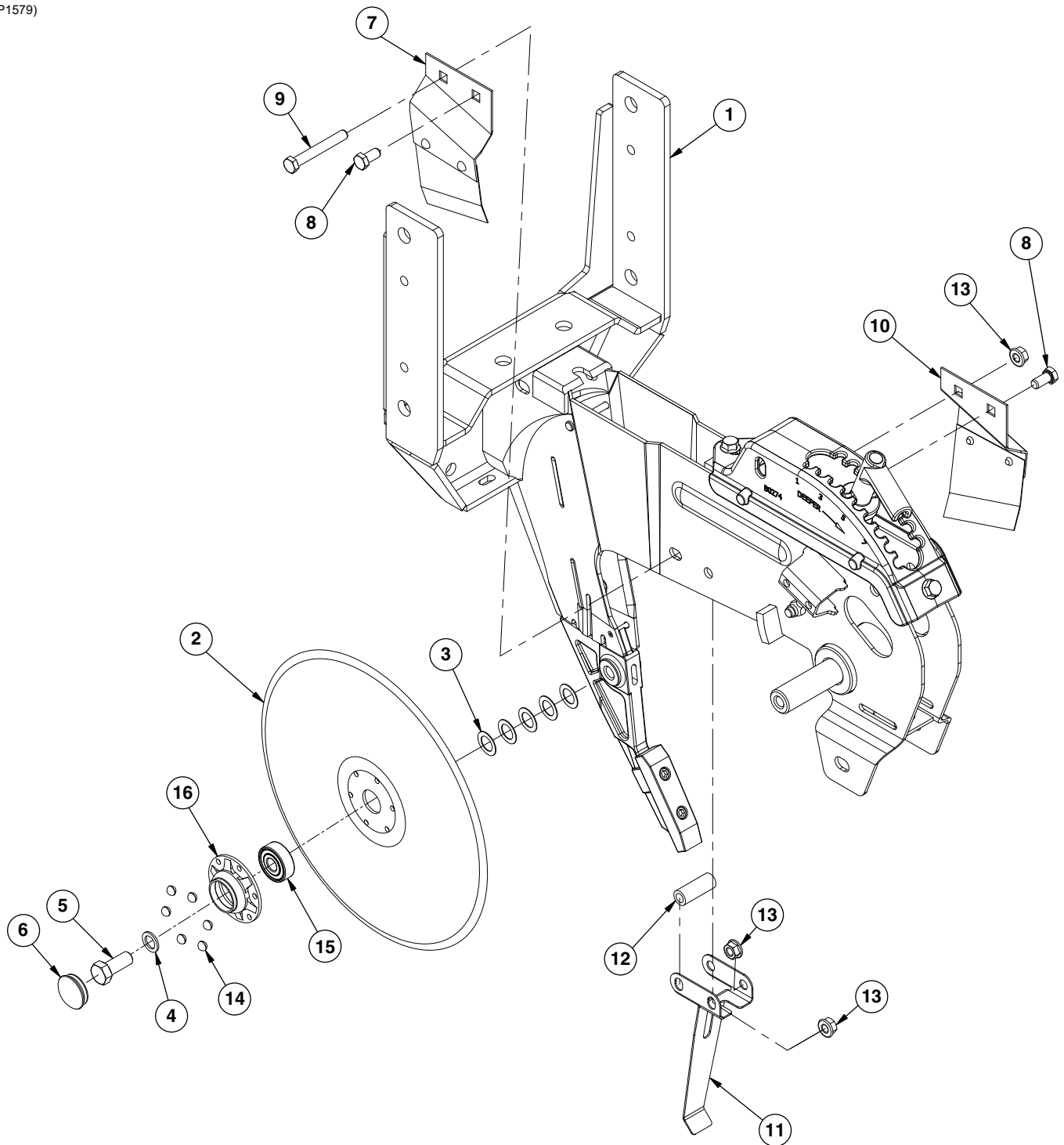
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NOTE: If replacing upper or lower parallel arms, it is recommended to replace P/N: GB1223 Self-Lubricating Bushing (Inner).

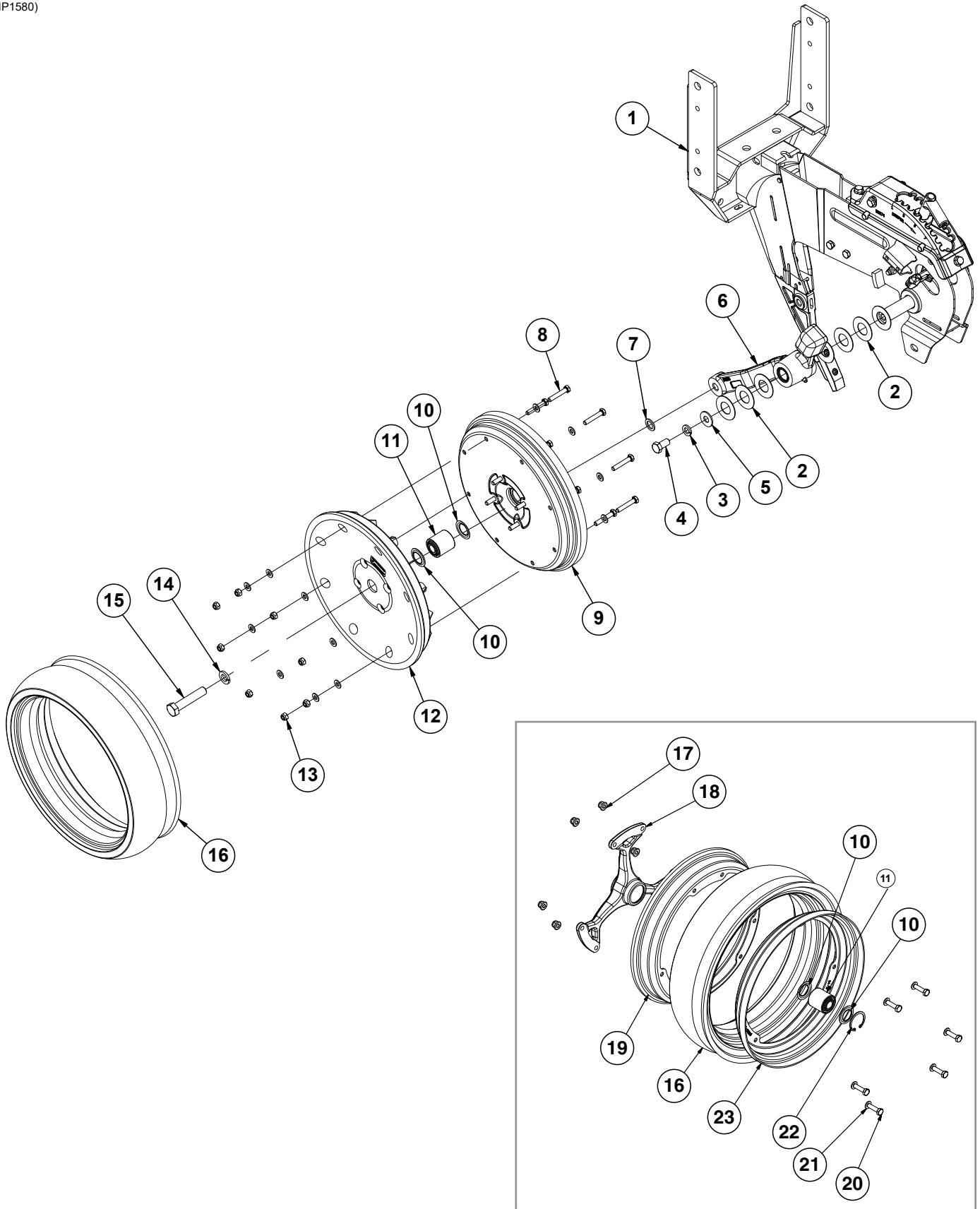
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GD1113	2	U-Bolt, 5" x 7" x 5/8"-11
	G10230	4	Lock Washer, 5/8"
	G10104	4	Hex Nut, 5/8"-11
2	GD10036	1	Mounting Support Plate
3	GD21337	4	Heavy Duty Down Pressure Spring
4	GB0186	2	Spring Anchor
5	GD14217	2	Tab Lock Pin, 7/16" x 1 1/2"
6	G10011201	1	Lower Parallel Arm Assembly
	GB1224		Self-Lubricating Bushing, 1 1/4" O.D. x 1" I.D. x 1/2" (Included in G10011201)
7	G10732	4	Hex Head Cap Screw, 5/8"-18 x 2"
8	G10011101	2	Upper Parallel Arm Assembly
	GB1224	2	Self-Lubricating Bushing, 1 1/4" O.D. x 1" I.D. x 1/2" (Included in G10011101)
9	---	1	See "Shank Assembly, Seed Tube, and Depth Adjustment" on page P2
10	G10751	2	Hex Head Cap Screw, 5/8"-18 x 1 3/4"
11	G10752	2	Hex Head Cap Screw, 5/8"-18 x 2 1/4"
12	GB0314	2	Hopper Mount
13	GB0366	2	Extension Bracket
14	G10005	4	Hex Head Cap Screw, 5/8"-11 x 1 3/4"
	G10230	4	Lock Washer, 5/8"
	G10104	4	Hex Nut, 5/8"-11
15	GA1720	1	Bearing/Sprocket, 7/8" Hex Bore
16	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G11091	2	Serrated Flange Nut, 3/8"-16
17	G11976	8	Flat Washer, 5/8" x 1 3/4"
18	GB1223	8	Self-Lubricating Bushing
19	G11514	8	Lock Nut, 5/8"-18
A	G6325X	-	U-Bolt Package For 5" x 7" Toolbar, Includes: (2) GD1113, (4) G10230, (4) G10104
B	G1K758	-	Pull Row Unit Parallel Arm Kit, Includes: (2) G10011101, (1) G10011201, (8) GB1223, (8) G11976, (4) G10732, (2) G10751, (2) G10752, (8) G11514, (1) IS1066

(IP1579)



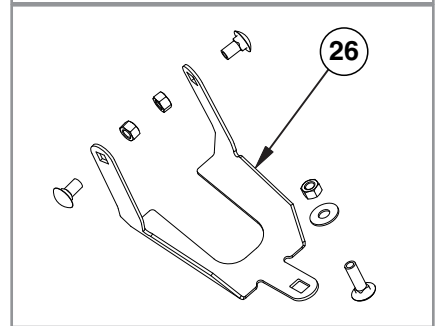
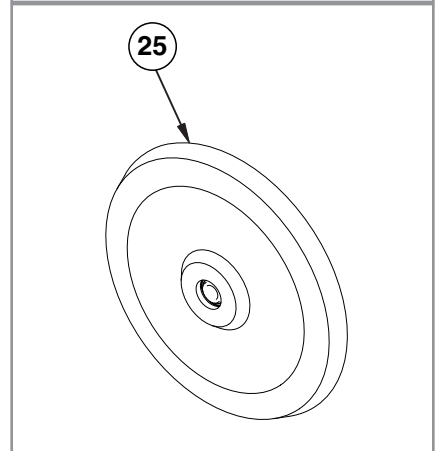
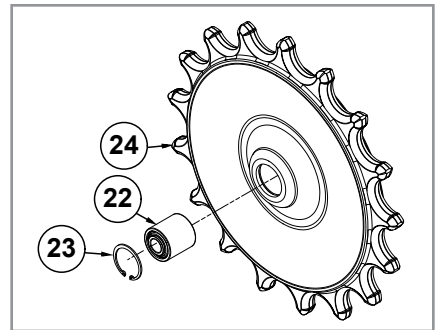
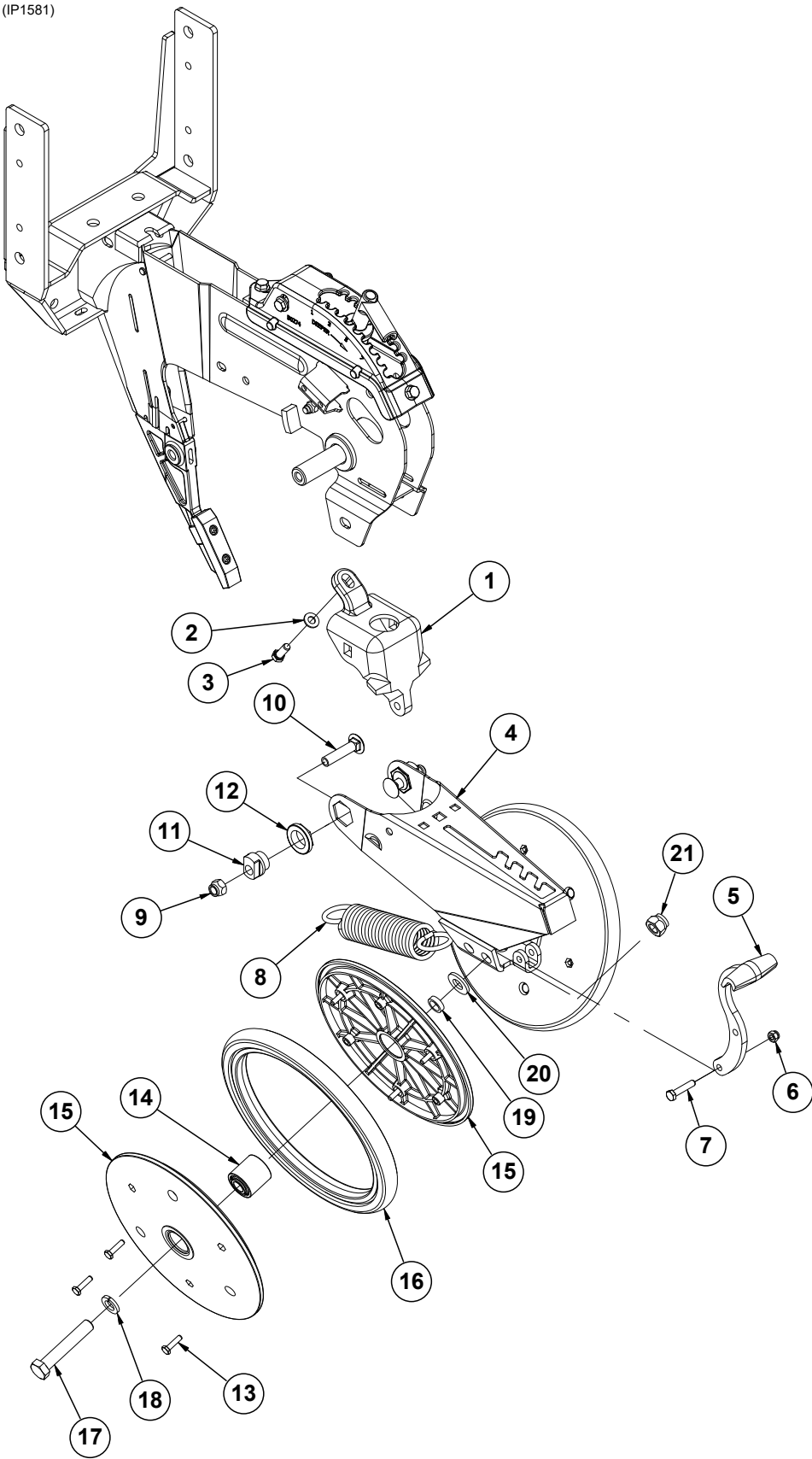
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G10037301	1	See "15" Seed Opener Disc Blade/Bearing Assembly and Scrapers" on page P8
2	GD11306	1	Disc Blade, 3.5 mm x 15"
3	GD30725	10	Machine Bushing, 5/8" (.030" Thick) (5 Per)
4	G10204	2	Special Machine Bushing, 5/8" x 1" O.D.
5	GD36856	1	Opener Blade Bolt, 5/8"-11 x 1 3/4", Grade 5
	G10005	1	Hex Head Cap Screw, 5/8"-11 x 1 3/4"
6	G10090401	2	Plastic Ribbed Hub Cap (1 Per)
7	GA2012L	1	Disc Scraper, L.H.
8	G10002	2	Hex Head Cap Screw, 3/8"-16 x 3/4"
9	G10325	1	Hex Head Cap Screw, 3/8"-16 x 2 3/4"
10	GA2012R	1	Disc Scraper, R.H.
11	GD35444	1	Seed Tube Bracket
12	GD2971-26	1	Sleeve, 3/8" I.D x 5/8" O.D. x 1.63" Long
13	G10622	3	Serrated Flange Nut, 3/8"-16
14	GD36990	6	Rivet, 1/4" x 9/16"
15	GA26920	1	Bearing
16	GD36860		Bearing Housing
A	G10018801	-	Disc Blade/Bearing Assembly, Less Dust Cap (Items 2, 14-16)

(IP1580)



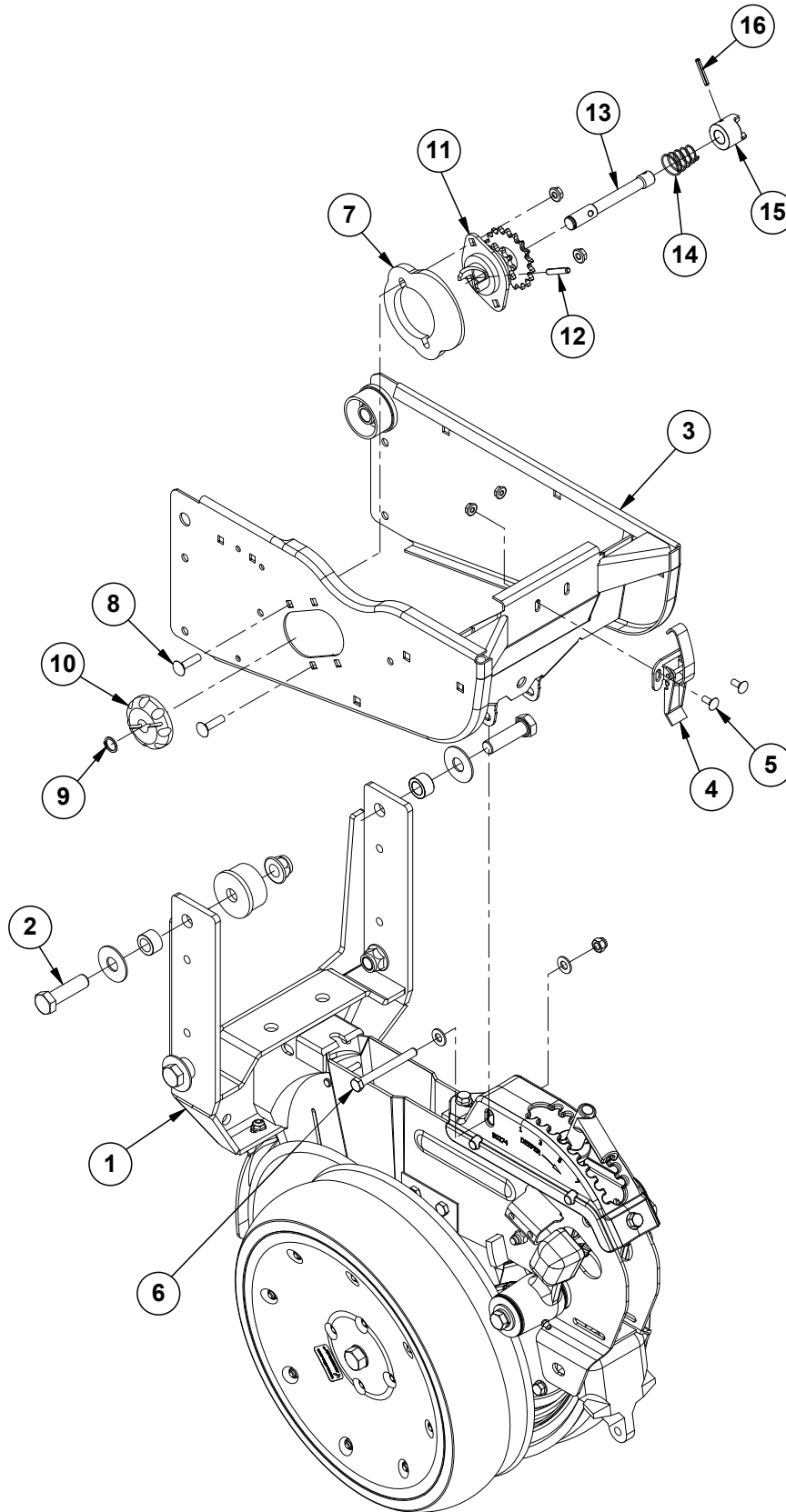
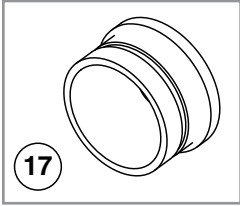
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	-	See "15" Seed Opener Disc Blade/Bearing Assembly and Scrapers" on page P8
2	G10940	7	Machine Bushing, 1" (.048" Thick)
3	G10228	2	Lock Washer, 1/2"
4	G10014	2	Hex Head Cap Screw, 1/2"-13 x 1"
5	G10216	2	Washer, 1/2" USS
6	GA21677	1	Wheel Arm W/Grease Fitting, Bushings, and Seals, L.H. (Shown)
	GA21676	-	Wheel Arm W/Grease Fitting, Bushings, and Seals, R.H.
	GD10991	2	Seal (Per Arm) (Included W/GA21677 and GA21676)
	GB0276	2	Bushing, 1" I.D. x 1 1/4" O.D. x 1" Long (Per Arm) (Included W/GA21677 and GA21676)
7	G10204	1	Special Machine Bushing, 5/8" x 1" O.D.
8	G10031	8	Carriage Bolt, 5/16"-18 x 1 3/4"
	G11386	8	Flat Washer, 5/16" SAE
9	G10028701	1	Half Gauge Wheel
	G10019	4	Hex Head Cap Screw, 5/16"-18 x 1"
	G11386	4	Flat Washer, 5/16" SAE
10	GD36713	2	Gauge Wheel Dust Shield
11	GA6171	1	Bearing
12	GD36709	1	Half Gauge Wheel
13	G10109	12	Lock Nut, 5/16"-18
	G11386	12	Flat Washer, 5/16" SAE
14	G10230	1	Lock Washer, 5/8"
15	G10010	1	Hex Head Cap Screw, 5/8"-11 x 3"
16	G10028601	1	Tire, 4 1/2" x 16
17	G10335001	6	Flanged Lock Nut, M8
18	G10334701	1	Hub
19	G10334901	1	Wheel Flange
20	G10335101	6	Screw, M8 x 30
21	G11386	6	Flat Washer, 5/16"
22	G10335201	1	Elastic Ring
23	G10334801	1	Wheel Flange
A	G10028801	-	Standard Gauge Wheel Complete (Items 8-13 and 16)
B	G10322501	-	Spoked Gauge Wheel Complete (Items 10-11 and 16-23)
C	G1K296	-	Gauge Wheel Arm Bushing and Seal Driver Kit, Includes: (1) Seal Driver, (1) Bushing Driver, (1) Instruction Sheet

(IP1581)



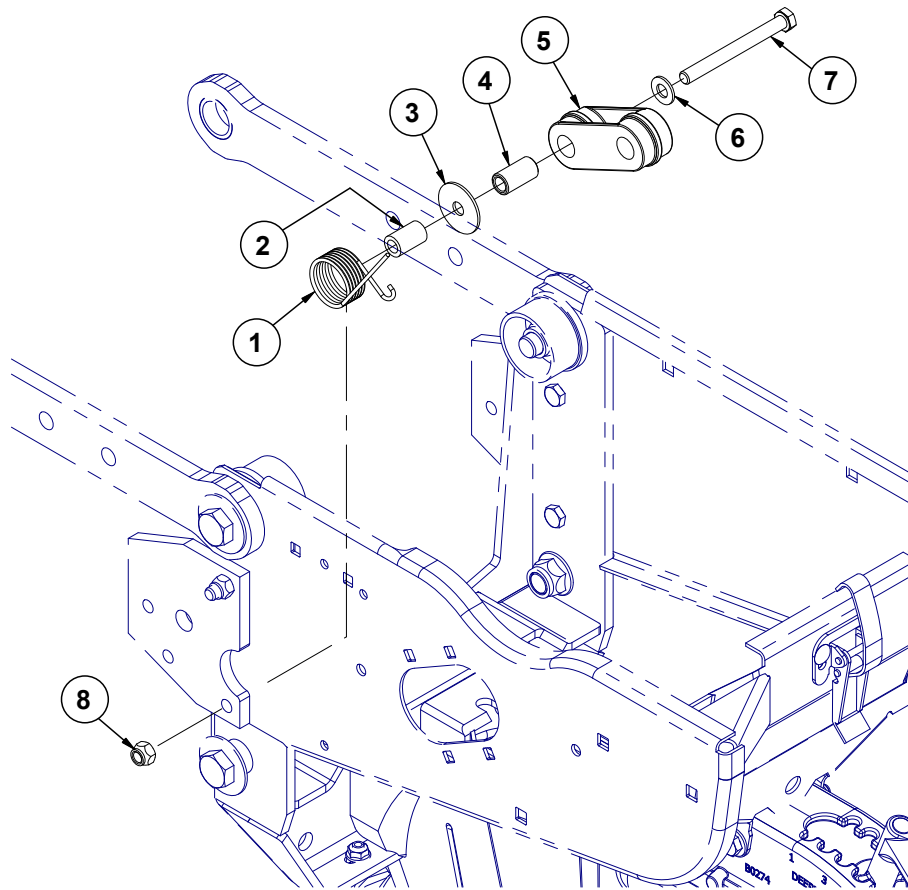
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GB0268	1	Wheel Arm Mount
2	G11387	1	Flat Washer, 3/8" SAE
3	G10001	1	Hex Head Cap Screw, 3/8"-16 x 1"
4	GA15197	1	Closing Wheel Arm
5	GB0254	1	Lever
6	G10109	1	Lock Nut, 5/16"-18, Grade 8
7	G10133	1	Hex Head Cap Screw, 5/16"-18 x 1 1/2"
8	GD8460	1	Spring
9	G10111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

(IP1582)



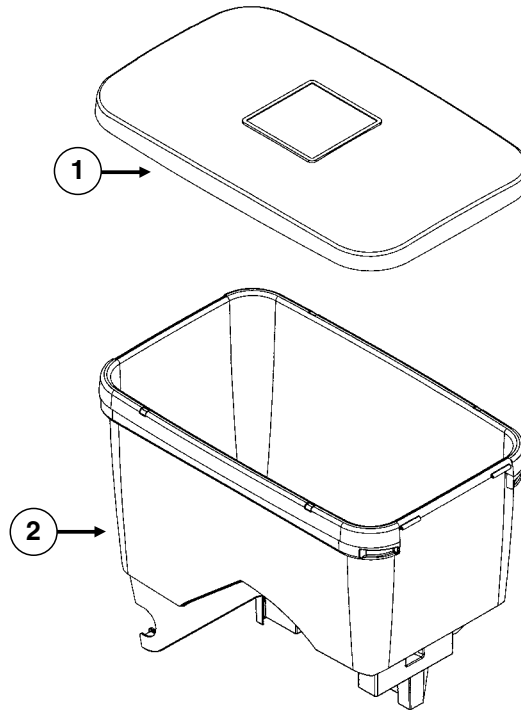
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	1	See "15" Seed Opener Disc Blade/Bearing Assembly and Scrapers" on page P8
2	G10752	2	Hex Head Cap Screw, 5/8"-18 x 2 1/4"
3	GA26296	1	Hopper Support
4	GA2007	1	Hopper Hold Down Latch
5	G10309	2	Carriage Bolt, 1/4"-20 x 5/8", Grade 2
	G10621	2	Serrated Flange Nut, 1/4"-20
6	G10061	1	Hex Head Cap Screw, 3/8"-16 x 3 1/2"
	G11387	2	Flat Washer, 3/8" SAE
	G10108	1	Lock Nut, 3/8"-16
7	GB0331	1	Clutch Adapter Plate
8	G10338	2	Carriage Bolt, 5/16"-18 x 1 1/4"
	G10620	2	Serrated Flange Nut, 5/16"-18
9	G10567	1	External Retaining Ring, 5/8"
10	GD11239	1	Knob
11	GA12143	1	Double Sprocket and Bearing, Drive Clutch, 11/28 Tooth (Vacuum)
12	G10602	1	Spring Pin, 1/4" x 1 1/2"
13	GD29507	1	Clutch Shaft
14	GD11413	1	Spring
15	GB0278	1	Coupler
16	G10546	1	Spring Pin, 3/16" x 1 1/4"
17	GD17052	-	Vacuum Plug
A	GA20640	-	Seed Meter Clutch Assembly, 11/28 Tooth (Items 9-16) (Vacuum)

(IP1583)



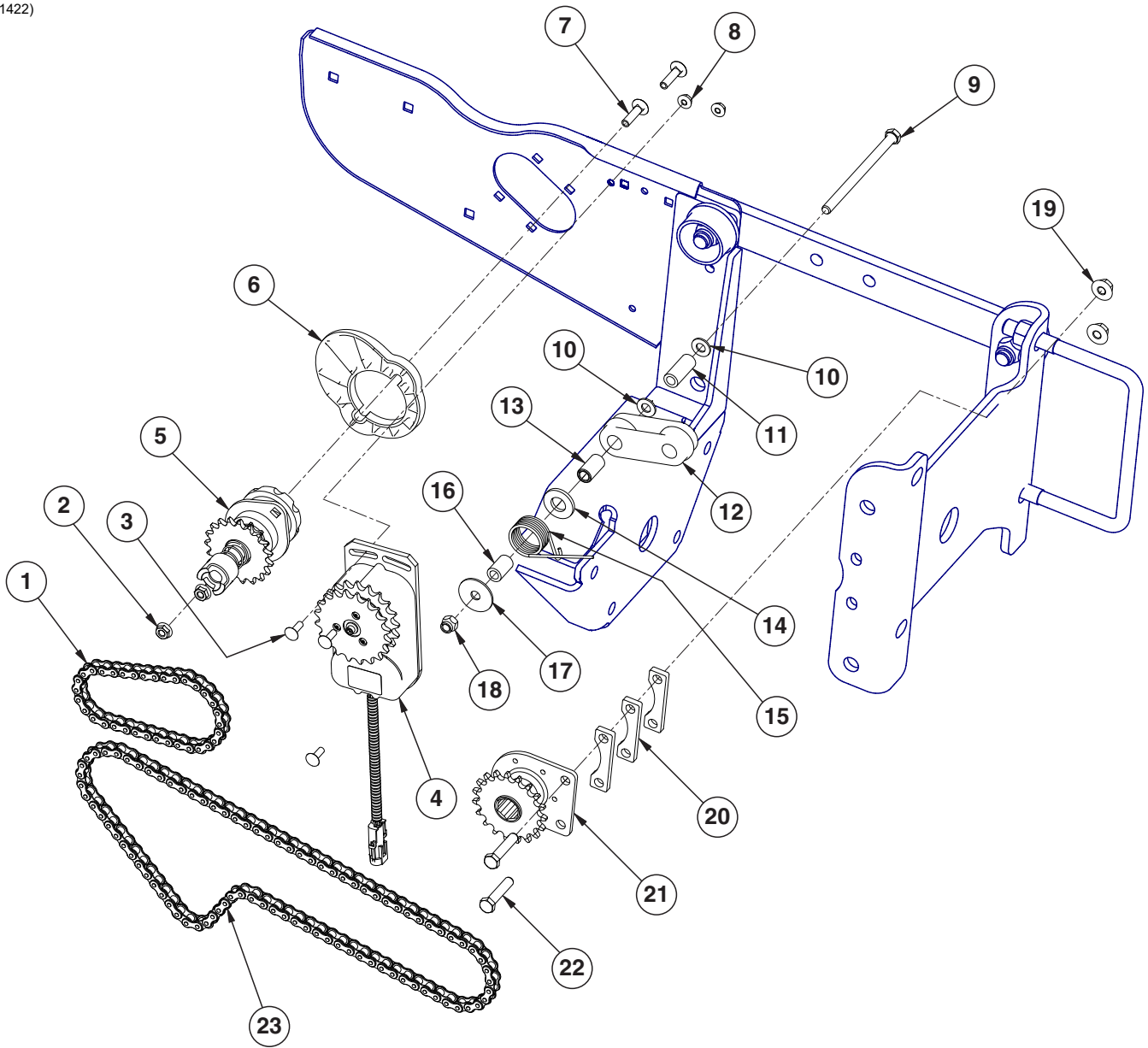
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GD1065	1	Idler Spring
2	GD7318	1	Sleeve, 1" Long
3	G10201	1	Special Washer, 3/8" x 1 1/2" O.D.
4	GD1026	1	Sleeve, 1 3/16" Long
5	GD11962	1	Idler
6	G11387	1	Flat Washer, 3/8" SAE
7	G10326	1	Hex Head Cap Screw, 3/8"-16 x 3 3/4"
8	G10108	1	Lock Nut, 3/8"-16

(METR12/RU87e)



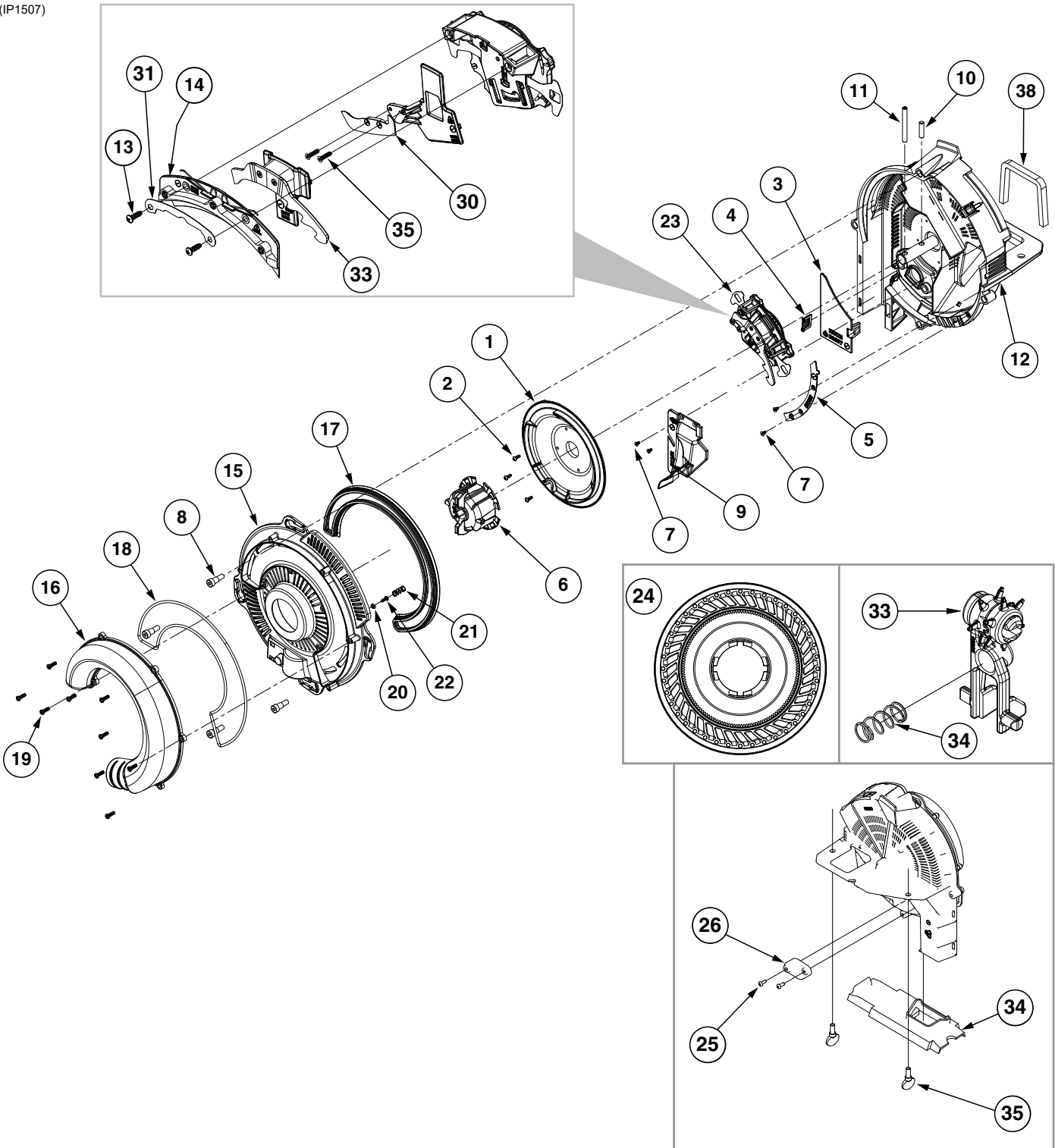
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD11279	1	Lid
2	GA24873	1	Seed Hopper (Vacuum)
	GD12561	-	Threaded Insert, 5/16"-18 (Included W/GA20254)

(IP1422)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G3303-44	1	Chain, No. 41, 44 Pitch Including Connector Link (Vacuum)
2	G10620	2	Serrated Flange Nut, 5/16"-18
3	G10310	3	Carriage Bolt, 1/4"-20 x 3/4", Grade 2
4	GA16374	1	Electric Clutch
5	GA10151	1	Seed Meter Clutch Assembly, 11/19 Tooth
6	GB0331	1	Clutch Adapter Plate
7	G10338	2	Carriage Bolt, 5/16"-18 x 1 1/4"
8	G10621	3	Serrated Flange Nut, 1/4"-20
9	G10687	1	Hex Head Cap Screw, 3/8"-16 x 5 1/2"
10	G11387	2	Flat Washer, 3/8" SAE
11	GD23773	1	Chain Idler Spacer
12	GD11962	1	Idler
13	GD1026	1	Sleeve, 1 3/16" Long
14	G11391	1	Flat Washer, 5/8" SAE
15	GD1065	1	Idler Spring
16	GD7318	1	Sleeve, 1" Long
17	G10201	1	Special Washer, 3/8" x 1 1/2" O.D.
18	G10901	1	Lock Nut, 3/8"-16
19	G11091	3	Serrated Flange Nut, 3/8"-16
20	GD23774	3	Spacer
21	GA1720	1	Bearing/Sprocket, 7/8" Hex Bore
22	G10047	2	Hex Head Cap Screw, 3/8"-16 x 1 3/4"
23	G3303-88	1	Chain, No. 41, 88 Pitch Including Connector Link (Pull Row Unit)

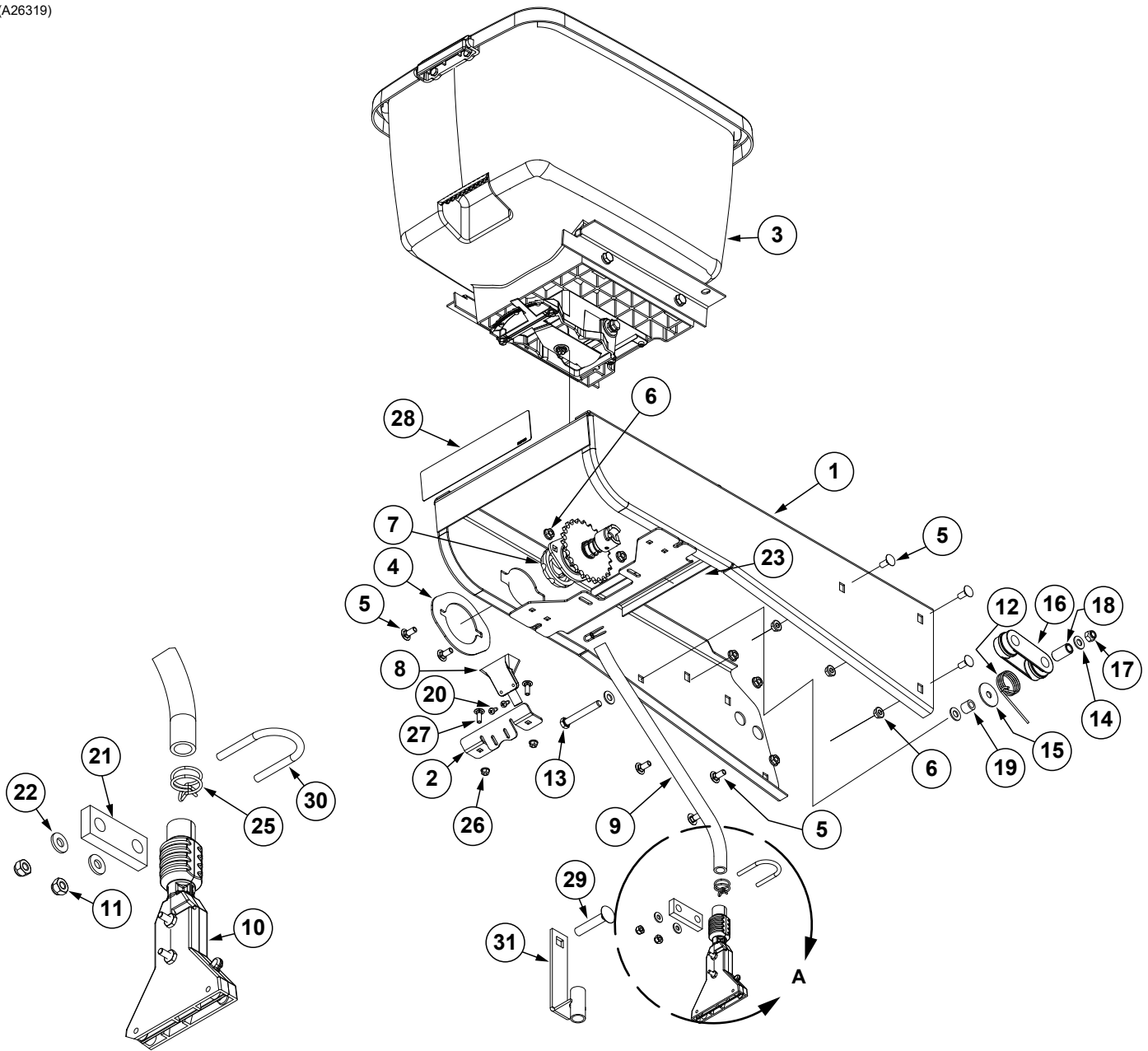
(IP1507)



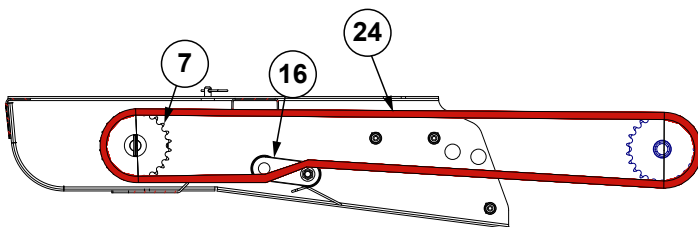
ITEM	PART NO.	QTY.	DESCRIPTION
1	GB0815	1	Shield
2	G11619	3	Phillips Pan Head Tapping Screw, No. 6-19 x 3/8"
3	GB0697	1	Chute Cover
4	GB0780	1	Brush
5	GB0823	1	Baffle
6	GB1147	1	Disc Hub

ITEM	PART NO.	QTY.	DESCRIPTION
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
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 ⅝"
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
	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
	G11039X	-	Seed Disc, Cotton, 60 Cell, Green Color-Coded, Ejector Wheel, and Spring
	G11040X	-	Seed Disc, Black Turtle and Navy Edible Bean and Popcorn, 60 Cell, Brown Color-Coded, Ejector Wheel, and Spring
	G11041X	-	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	G11281	2	Hex Button Head Cap Screw, 10-24 x ½"
26	GD28631	1	Cover Plate
34	G10665101	-	Ejector Arm, Corn
	G10483401	-	Ejector Arm, Soybean (120 Cell)
	G10483201	-	Ejector Arm, Soybean (60 Cell)
	G10665001	-	Ejector Arm, Sunflower
	G10664901	-	Ejector Arm, Beets/Milo
	G10484901	-	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
28	G10483101	1	Compression Spring
29	G11693	2	Torx Flat Head Machine Screw, No. 4-40 x ½"
30	GB0921	1	Lower Blade
31	GD29657	1	Retainer
32	GD34774	1	Meter Gasket
33	GB0958	1	Outer Blade
34	GB0926	1	Shank Cover
35	G11009	2	Locking Thumbscrew, ⅝"-18 x ¾"
A	GA20622	1	Cover Assembly (Items 15-22)
B	G9903X	1	Vacuum Meter Assembly, Pull Row Unit (Items 1-26, 32, 34, and 35)

(A26319)



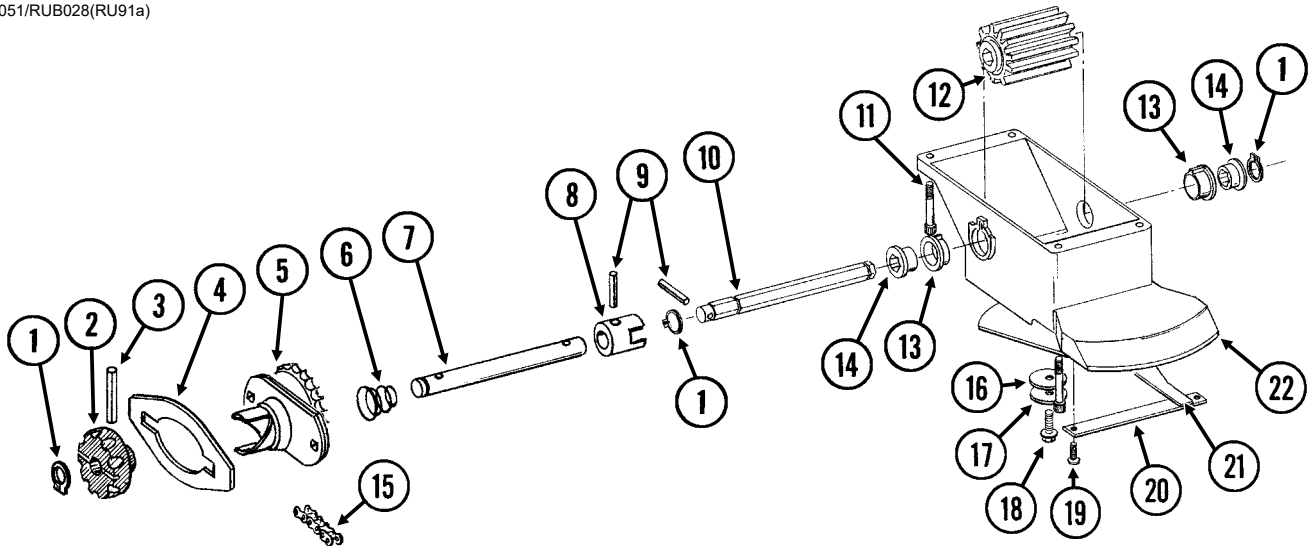
Detail A



Chain Routing

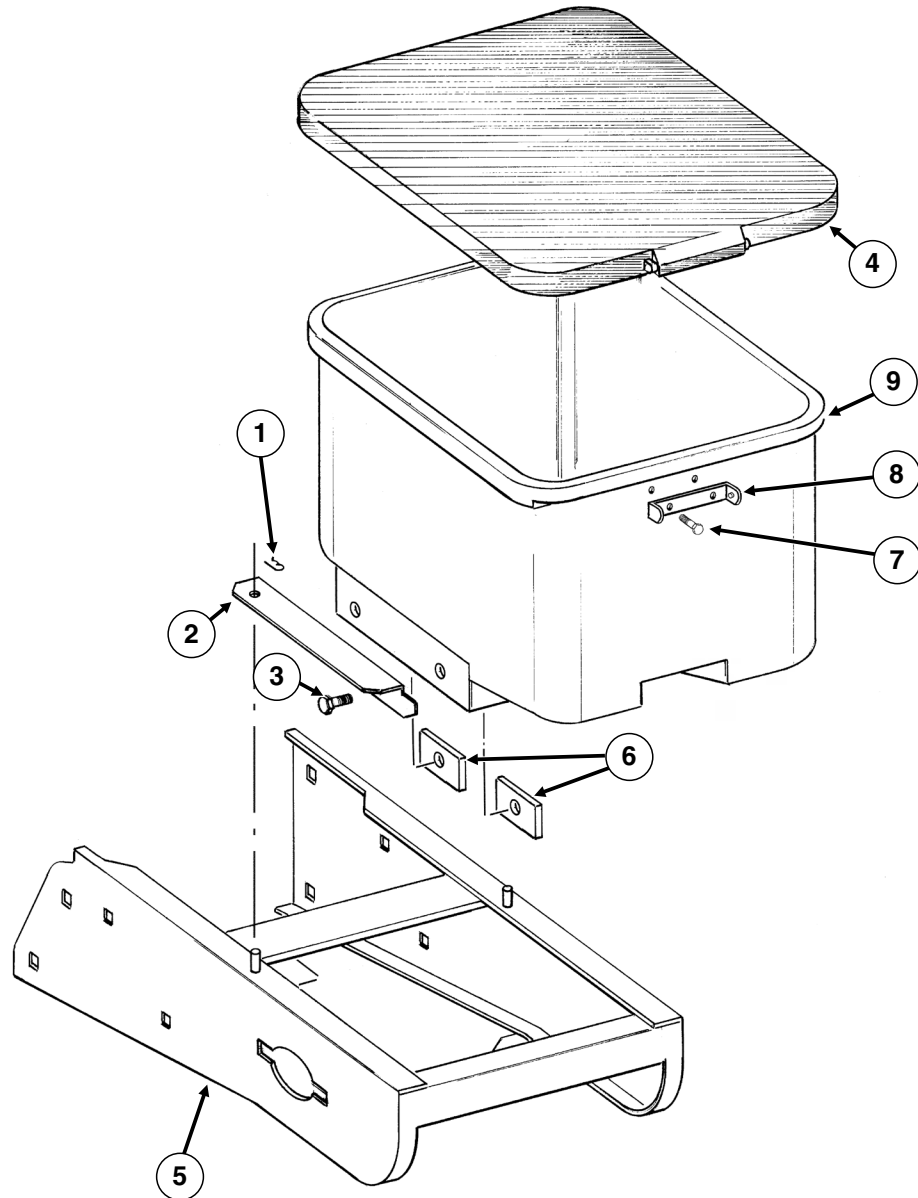
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	A26287	1	Hopper Panel Extension (Non-Stock Item)
2	GD36277	1	Funnel Bracket
3	---	-	See "Granular Chemical Hopper and Hopper Panel Extension" on page P24
4	GD11305	1	Plate
5	G10312	8	Carriage Bolt, 5/16"-18 x 3/4"
6	G10620	8	Serrated Flange Nut, 5/16"-18
7	---	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	1	Slope-Compensating Bander W/Hardware (4 1/2" Band Width)
	G10864	1	Uni-Clamp (Included W/GA6907)
	G10757	2	Pan Head Screw, No. 10-32 x 1 1/4" (Included W/GA6907)
	G10758	2	Hex Nut, No. 10-32 (Included W/GA6907)
11	G10110	2	Lock Nut, 1/4"-20, Grade B
12	GD11219	1	Spring
13	G10325	1	Hex Head Cap Screw, 3/8"-16 x 2 3/4"
14	G11387	3	Flat Washer, 3/8" SAE
15	G10201	1	Special Washer, 3/8" x 1 1/2" 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, 1/4" SAE
23	G10670	2	Hair Pin Clip, No. 3
24	G3303-108	1	Chain, No. 41, 108 Pitch Including Connector Link (Vacuum)
	GR0196	-	Connector Link, No. 41
25	G11209	2	Wire Hose Clamp, 3/4"
26	G10621	2	Serrated Flange Nut, 1/4"-20
27	G10310	2	Carriage Bolt, 1/4"-20 x 3/4", Grade 2
28	---	-	See "Decals, Paint, and Miscellaneous" on page P144
29	G10315	1	Carriage Bolt, 1/2"-13 x 2 1/2" (Replaces Existing 1/2" x 2 1/4" Hardware)
30	GD10963	1	U-Bolt, 1 1/2" x 1 5/16" x 1/4"-20
31	GA6741	1	Bracket (Straight Drop In-Furrow)

RUA051/RUB028(RU91a)



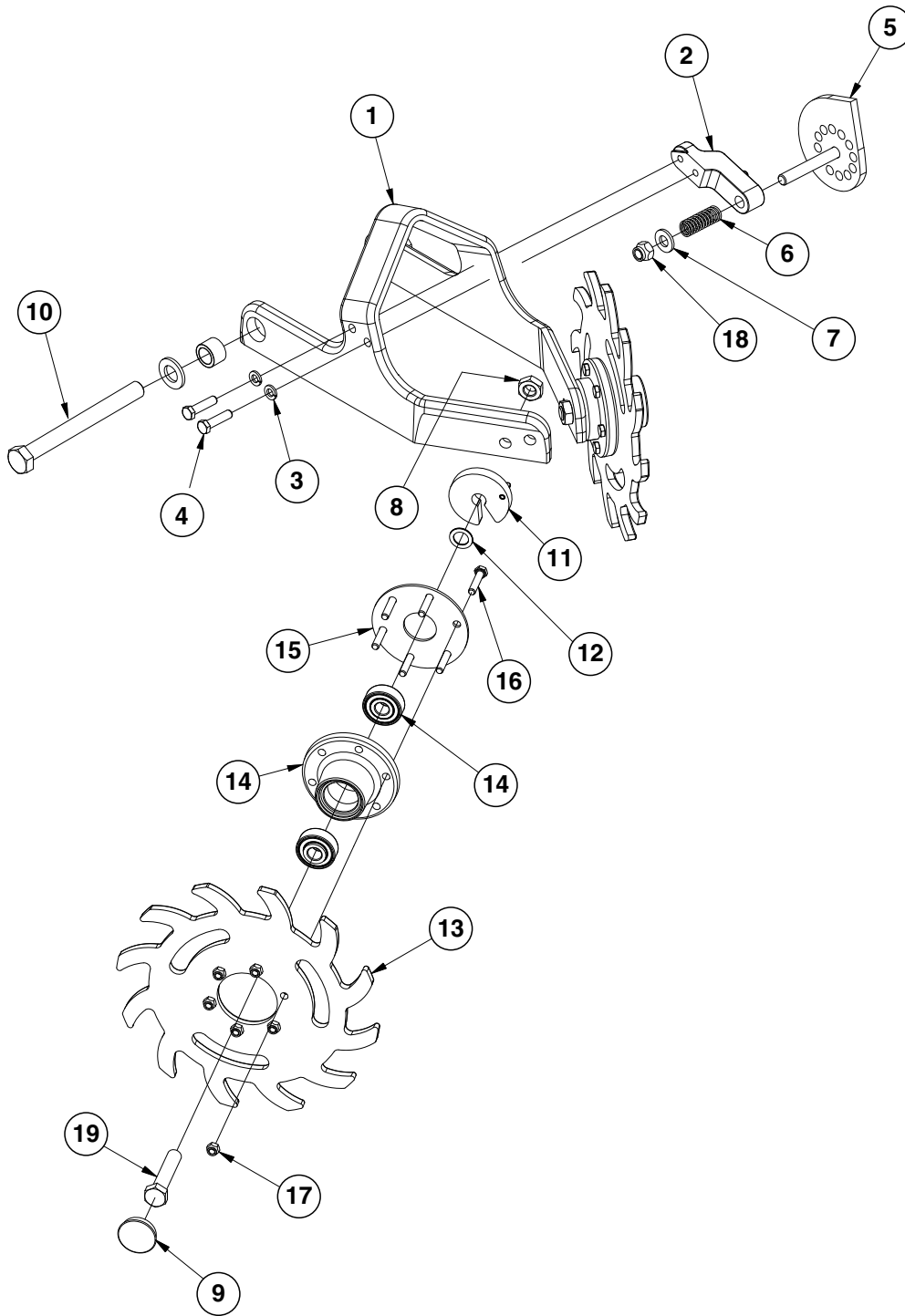
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G10567	3	External Retaining Ring, 5/8"
2	GD11239	1	Knob
3	G10602	1	Spring Pin, 1/4" x 1 1/2"
4	---	-	See "Granular Chemical Hopper and Hopper Panel Extension" on page P25
5	GA8364	1	Sprocket And Bearing, Drive Clutch, 24 Tooth
6	GD11413	1	Spring
7	GD11240	1	Shaft
8	GB0278	1	Coupler
9	G10546	2	Spring Pin, 3/16" x 1 1/4"
10	GD11297	1	Shaft
11	G11793	4	Hex Socket Head Cap Screw, No. 10-24 x 7/8"
	G10257	4	Lock Washer, No. 10
12	GD7148	1	Feed Roller, Hex Bore
13	GB0115	2	Bearing
14	GD7258	2	Hex Bushing
15	G3303-114	1	Chain, No. 41, 108 Pitch Including Connector Link (Vacuum)
	GR0196	-	Connector Link, No. 41
16	G10660	1	Wave Washer, 1/2"
17	G11385	1	Flat Washer, 1/4" SAE
18	G10570	1	Slotted Hex Self-Tapping Screw, 1/4"-20 x 3/4"
19	G11073	2	Slotted Hex Self-Tapping Screw, No. 10 x 3/8"
20	GD1061	1	Support Strap
21	GD1063	1	Metering Gate
22	GB0116	1	Granular Housing
A	GA8326	-	Granular Chemical Meter Complete (Items 1, 9, 10, 12-14, and 16-22)
B	GA8366	-	Granular Chemical Meter Clutch (Items 1-3 and 5-9)

(METR14d)



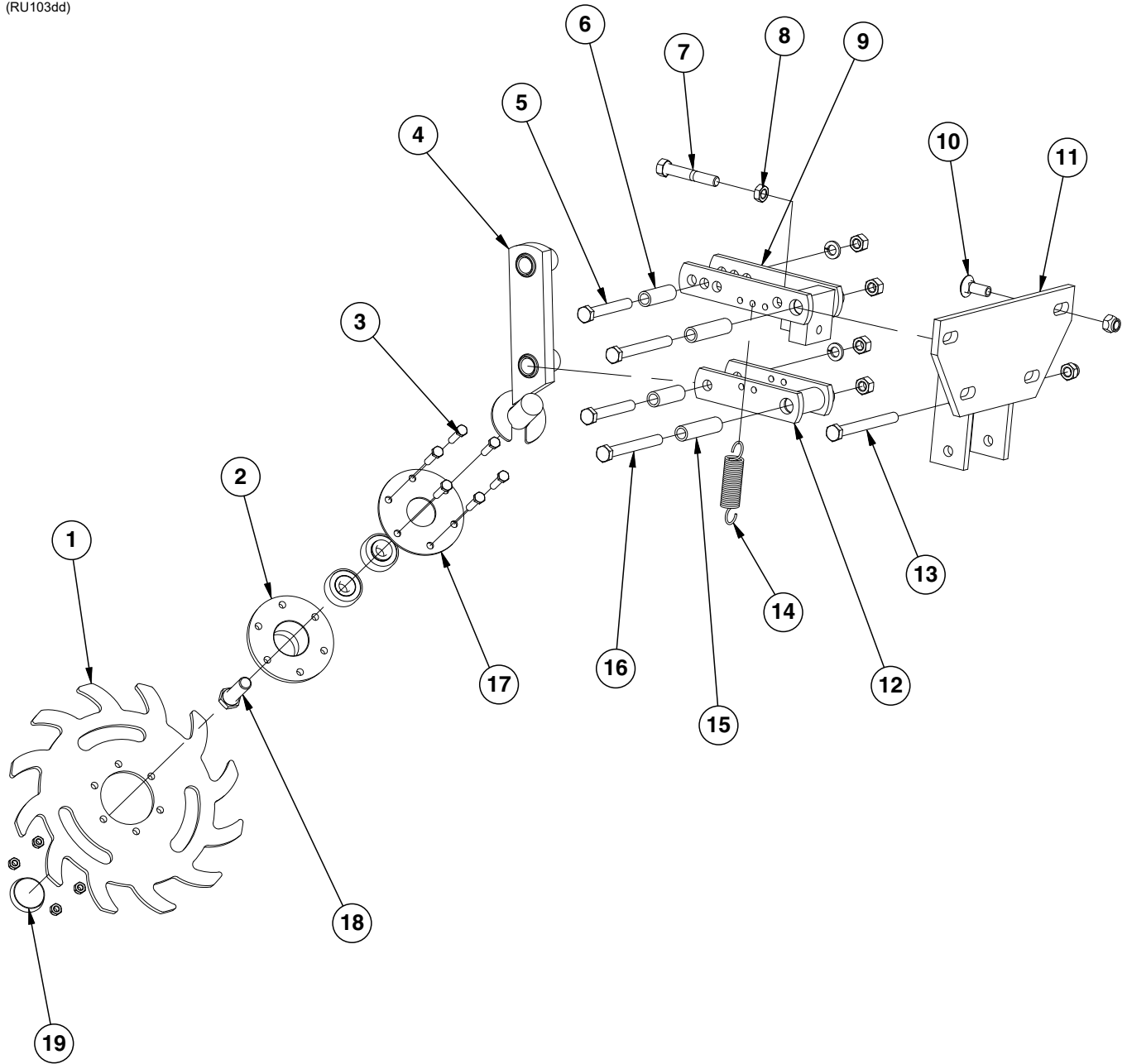
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G10670	2	Hair Pin Clip, No. 3
2	GD1059L GD1059R	1 1	Support, L.H. (Shown) Support, R.H.
3	G10002 G10229	4 4	Hex Head Cap Screw, 3/8"-16 x 3/4" Lock Washer, 3/8"
4	GA4444	1	Lid
5	GA26287	1	Hopper Panel Extension (Non-Stock Item)
6	GD11424	4	Block
7	G10023 G10621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

(IP1468)



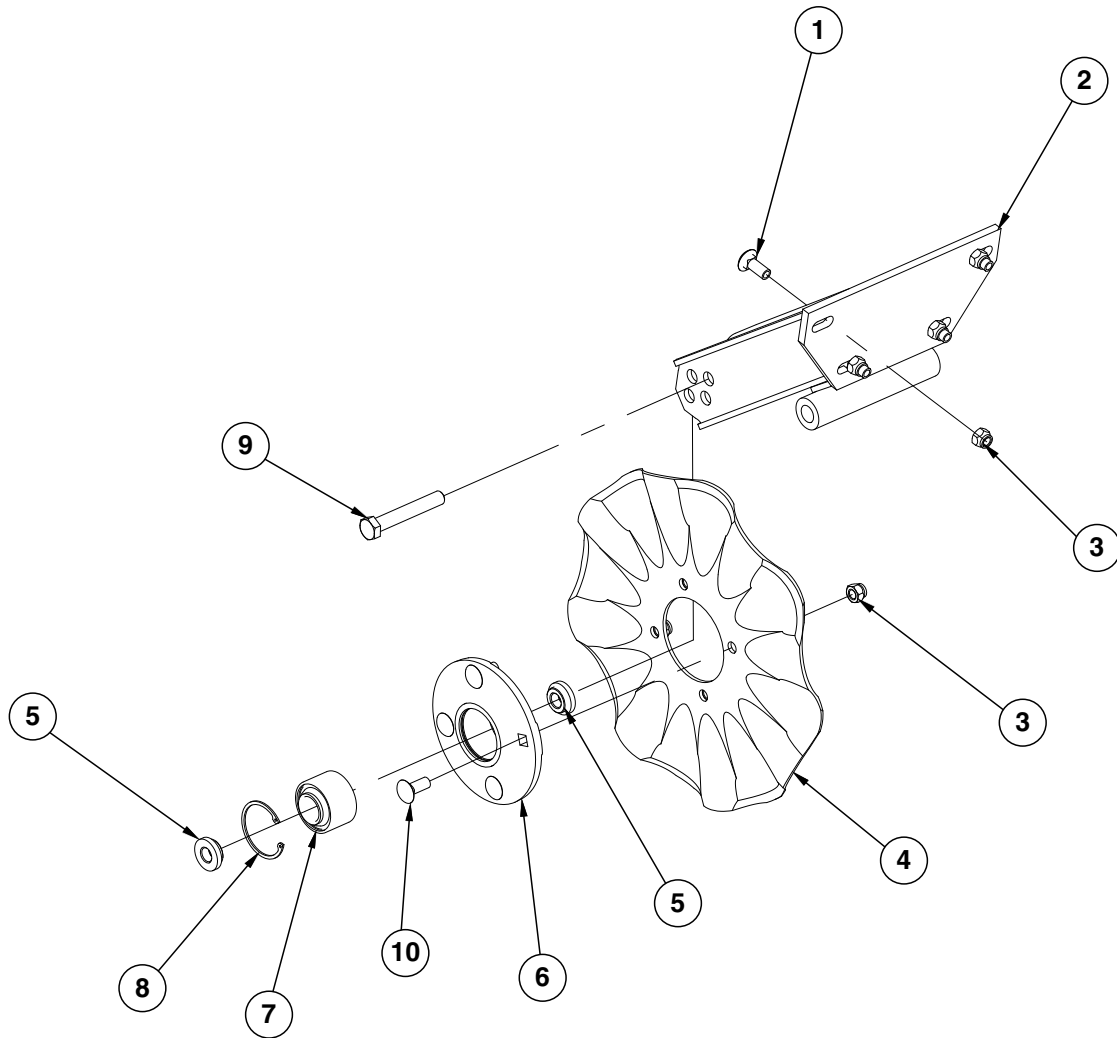
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GB0464	1	Residue Wheel Mount
2	GD26973	1	Cam Locking Pin
3	G10229	2	Lock Washer, 3/8"
4	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
5	GA27038	1	Row Cleaner Cam
6	GD10519	1	Spring
7	G11389	1	Flat Washer, 1/2" Plated SAE
8	G10503	2	Hex Jam Nut, 5/8"-11, Grade 2
9	GD1132	2	Dust Cap
10	G11236	1	Hex Head Cap Screw, 3/4"-10 x 10 1/2"
	G11392	2	Flat Washer, 3/4" SAE
	GB0383	2	Bushing, 1 1/8" O.D. x 25/32" I.D. x 3/4" Long
	G11228	1	Lock Nut, 3/4"-10
11	GA8760	2	Weed Guard W/Spring Pin
	G10765	-	Spring Pin, 1/4" x 1"
12	G10213	4	Machine Bushing, 5/8" (.030" Thick)
13	GB0387	2	Wheel, 12 Tine, 3/8" x 12"
14	GA5654	2	Hub W/Bearings
	GA2014	-	Bearing
15	GD9724	2	Backing Plate
16	G10133	12	Hex Head Cap Screw, 5/16"-18 x 1 1/2"
17	G10109	12	Lock Nut, 5/16"-18, Grade 8
18	G10974	1	Lock Nut W/Nylon Insert, 1/2"-13
19	G10010	2	Hex Head Cap Screw, 5/8"-11 x 3"
A	GA12235	-	L.H. Residue Wheel (Items 13-17)
B	GA12236	-	R.H. Residue Wheel (Items 13-17)

(RU103dd)



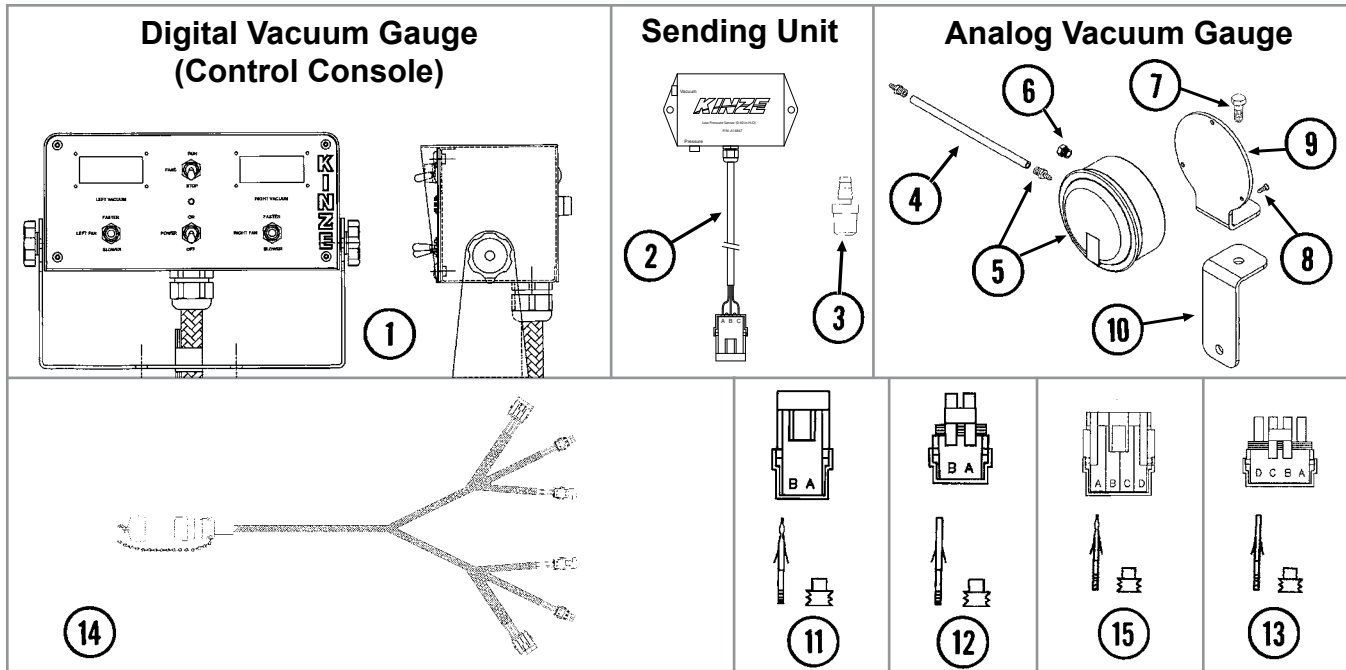
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GB0387	1	Wheel, 12 Tine, 3/8" x 12"
2	GA5654 GA2014	1 -	Hub W/Bearings Bearing
3	G10133 G10109	6 6	Hex Head Cap Screw, 5/16"-18 x 1 1/2" Lock Nut, 5/16"-18, Grade 8
4	GA6838	1	Wheel Mount
5	G10033 G10228 G10102	2 2 2	Hex Head Cap Screw, 1/2"-13 x 3 1/2" Lock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

(IP1279)



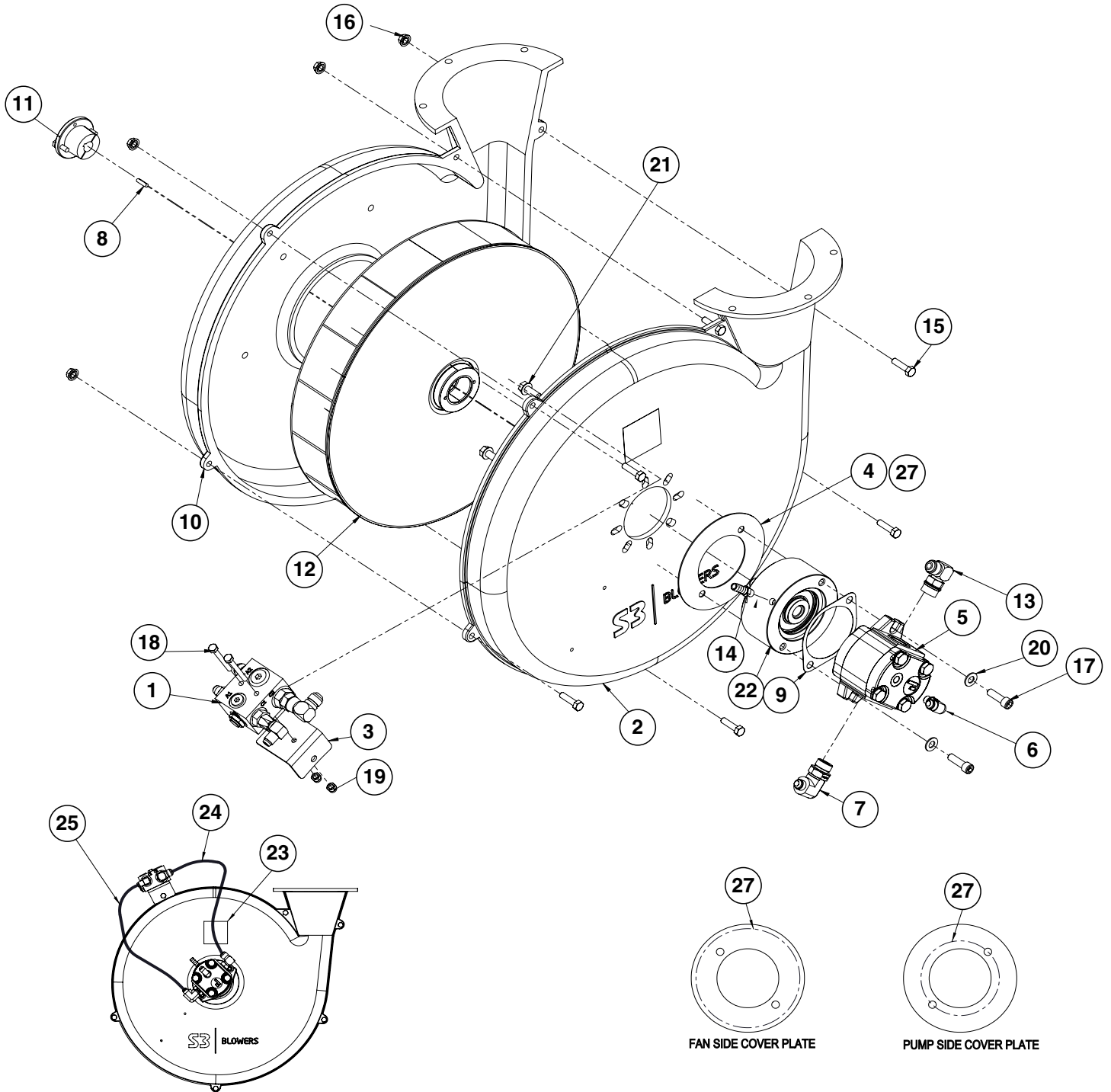
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G10574	8	Carriage Bolt, 1/2"-13 x 1 1/4"
2	GA24239	1	Arm
3	G10111	8	Lock Nut, 1/2"-13
4	GD7803	1	Disc Blade, Fluted, 1", 8 Flutes (Shown)
	GD7804	-	Disc Blade, Bubbled, 1"
	GD9254	-	Disc Blade, Fluted, 3/4", 13 Flutes
5	GD11677	2	Adapter
6	GA8641	1	Hub W/Bearing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

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ITEM	PART NO.	QTY.	DESCRIPTION
1	G8081X	1	Backlite Control Console Assembly W/Mounting Brackets, Harness W/Dust Cap And Power Cable
	GD14640	-	Mounting Bracket
	GA6975	-	Knob
	GD2829	-	Fuse, 15 Amp, Type AGC
2	GA14847	1	Low Pressure Sensor (0-40 IN H ₂ O)
	GD17151-20	-	Tubing, 1/4" x 10'
	GA9964	-	Strain Relief
3	GR1736	1	Hose Barb, 1/8" Male NPT To Barb
4	GD15849-02	1	Clear Tube, 5/16" O.D. x 3/16" I.D. x 120"
5	GA21406	1	Pressure Gauge W/Hose Barb
	GR1777	-	Hose Barb, 1/8" Male NPT To 3/16" Barb
6	GA10799	1	Breather, 1/8" Male NPT
7	G10001	1	Hex Head Cap Screw, 3/8"-16 x 1"
	G11387	1	Flat Washer, 3/8" SAE
	G10108	1	Lock Nut, 3/8"-16
8	G11215	3	Hex Socket Head Cap Screw, No. 6-32 x 3/8", Grade 8
9	GD15804	1	Mount
10	GD15803	1	Support
11	G1K321	-	2-Pin Female Connector Kit (Black), Includes: (3) 2-Pin Female Housings, (6) Pin Contacts, (6) Seals
12	G1K320	-	2-Pin Male Connector Kit (Black), Includes: (3) 2-Pin Male Housings, (6) Socket Contacts, (6) Seals
13	GA8329	1	4-Pin Male Connector Kit, Includes: (1) 4-Pin Male Housing, (4) Seals, (4) Sockets
14	GA11691	-	Harness, 519"
15	GA8328	-	4-Pin Female Connector Kit, Includes: (1) 4-Pin Female Housing, (4) Seals, (4) Pin Contacts

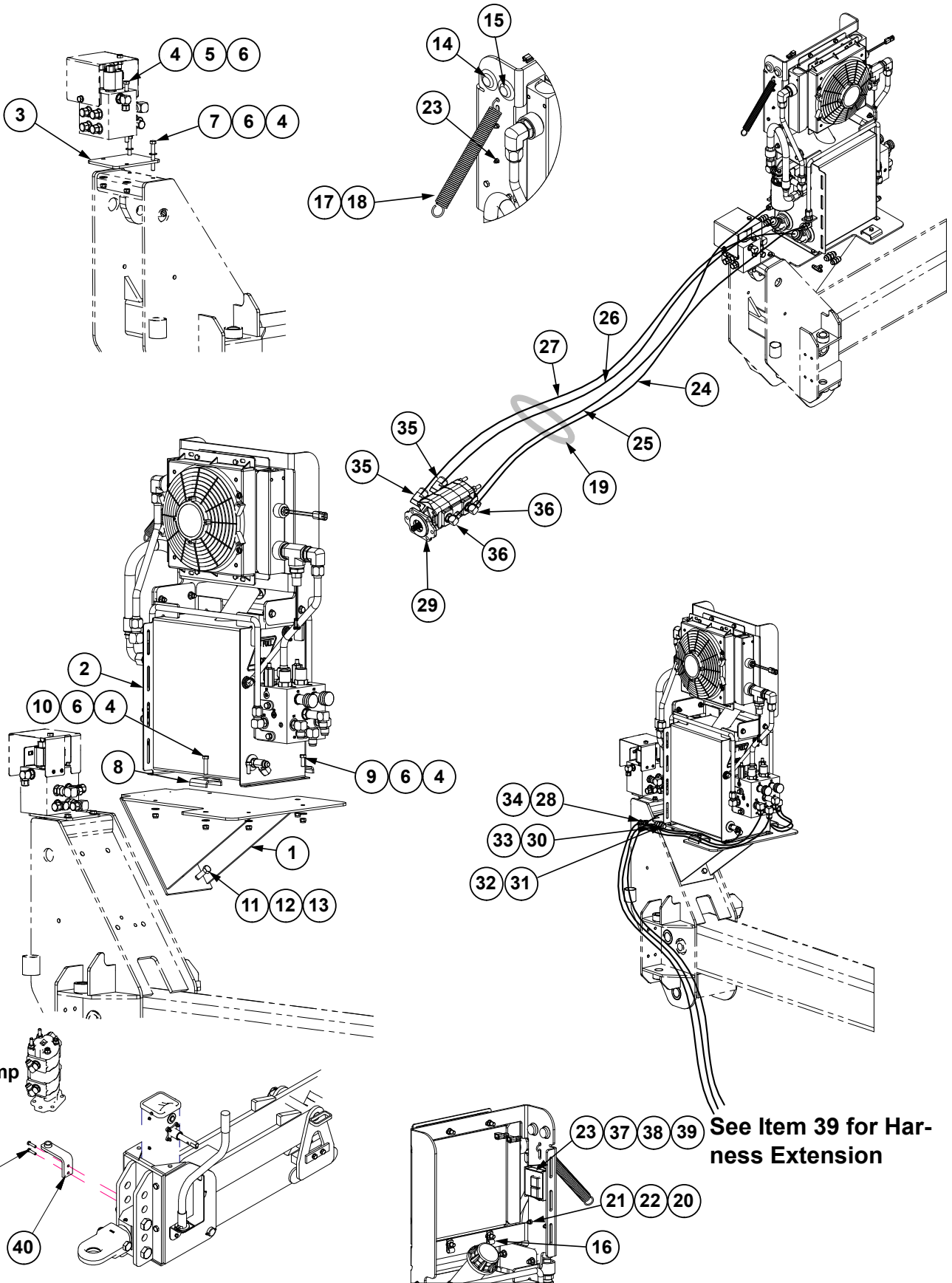
(109235)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA26398	1	Bulk Fill/Vacuum Anti-Cavitation Check Valve Block
2	GD35448	1	Vacuum Fan Drive Case
3	GD34098	1	Plate Mount Bracket
4	GD25644	1	Cover Plate
5	GA24426	1	Vacuum Fan Hydraulic Motor W/Seal Kit
6	G6801-06-04	1	Elbow, 90°, 9/16"-18 x 7/16"-20 W/O-Ring
7	G6801-06-10	1	Elbow, 90° 9/16"-18 x 7/8"-14 W/O-Ring
8	GD21300	1	Key, 3/16" x 3/4"
9	GD30882	1	2-Bolt Mount Gasket
10	GD35447	1	Inlet Housing
11	GD34103	1	Bushing
12	GA21510	1	Impeller
13	G6801-08-10	1	Elbow, 90° 3/4"-16 x 7/8"-14 W/O-Ring
14	GD35294	1	Hose Barb, 1/8"-27 NPTF x 3/8"
15	G10171	6	Hex Head Cap Screw, 5/16"-18 x 1 1/4"
16	G10620	6	Serrated Flange Nut, 5/16"-18
17	G11848	2	Hex Socket Head Cap Screw, 3/8"-16 x 1-1/4"
18	G10880	2	Hex Head Cap Screw, 1/4"-20 x 2 1/4"
19	G11320	2	Lock Nut, 1/4"-20, Grade B
20	G11387	2	Hardened Washer, 3/8 SAE
21	G11124	2	Hex Serrated Flange Cap Screw, 3/8"-16 x 1"
22	GA25388	1	Load Adapter
23	G10367101	1	Decal, Caution
24	GA12767	1	Hose Assy 1/2 X 22.0 (08F-08F)
25	GA3292	1	Hose Assy 3/8 X 22 (06F-06F)
26	GD20984	1	LOCTITE 243
27	GD27215	1	Silicone Sealer, Dow Corning 732, Clear

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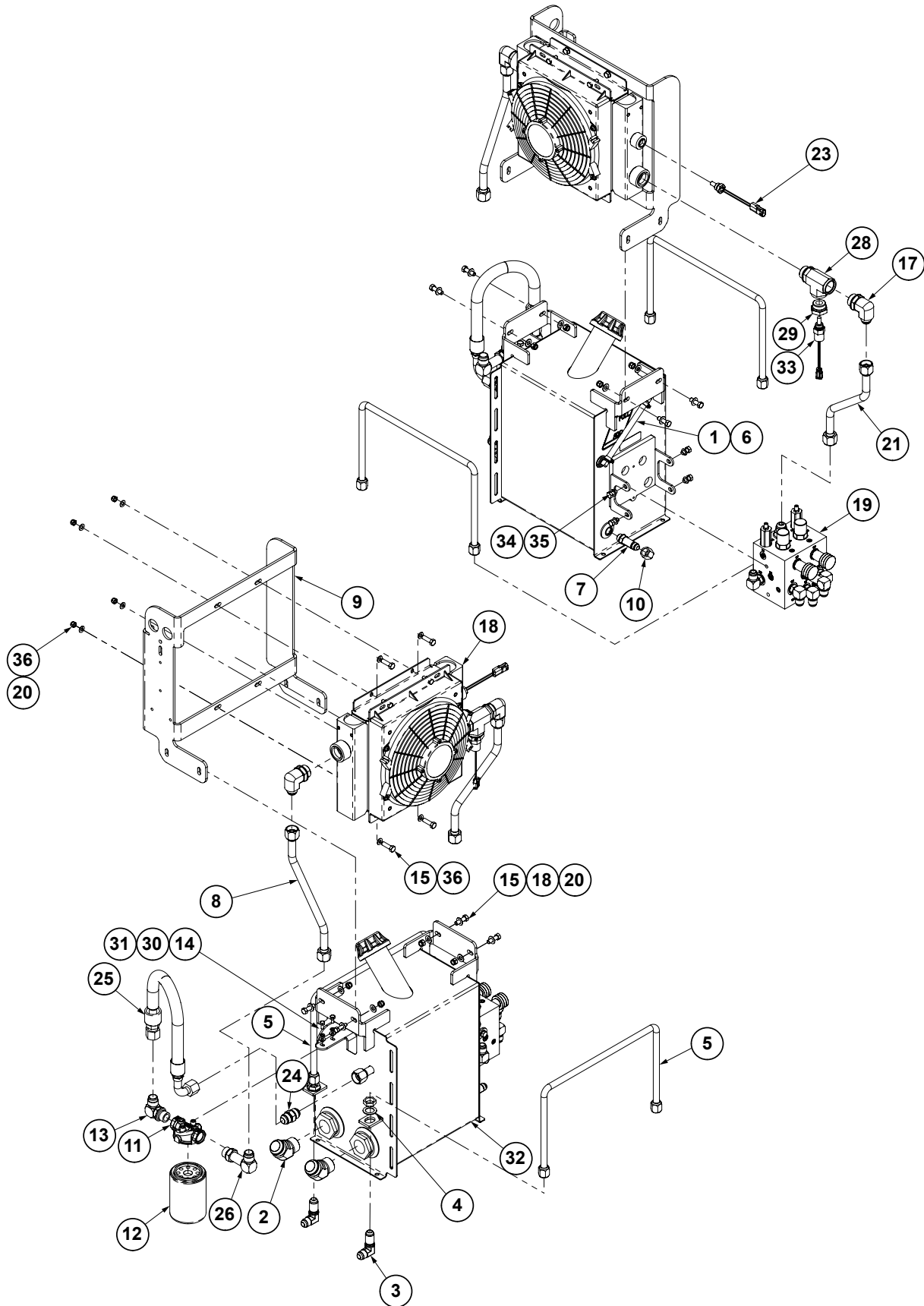
(105497)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10448601	1	PTO Tank Mount
2	G10549801	1	See "PTO Reservoir Assembly" on page P38
3	GD25508	1	Hydraulic Block Mount
4	G10108	12	Lock Nut, 3/8"-16
5	G10937	2	Hex Head Cap Screw, 3/8"-16 x 6 1/2"
6	G11387	14	Hardened Washer, 3/8" SAE
7	G10062	2	Hex Head Cap Screw, 3/8"-16 x 3"
8	GD5875	2	Hose Clamp, 3/8" x 2 1/2" x 2"
9	G10001	4	Hex Head Cap Screw, 3/8"-16 x 1"
10	G10047	2	Hex Head Cap Screw, 3/8"-16 x 1 3/4"
11	G11389	4	Flat Washer, 1/2" Plated SAE
12	G10111	4	Lock Nut, 1/2"-13
13	G10017	4	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
14	G10098401	1	PTO Harness, Red Light
15	G10098301	1	PTO Harness, Green Light
16	GD6291	2	Insulated Clamp, 3/8"
17	GA14152	1	Hose Strap
18	GD0829	1	Spring
19	GD19383-03	1	Hose Wrap, 60"
20	G10567801	1	Angled Mounting Bracket
21	G10110	2	Lock Nut, 1/4"-20, Grade B
22	G10023	2	Hex Head Cap Screw, 1/4"-20 x 3/4"
23	G10396901	1	Reverser Module Sub-assembly
24	*A11810-120	1	Hose Assembly, 1-1/4" x 120" (20F-20F)
25	*A11810-124	1	Hose Assembly, 1-1/4" x 124" (20F-20F)
26	*A25707-120	1	Hose Assembly, 1/2" x 120" (10F45-12F)
27	*A25707-124	1	Hose Assembly, 1/2" x 124" (10F45-12F)
28	*A15092-32	1	Hose Assembly, 3/8" x 32" (06F - 08F)
29	G10288701	1	Gear Pump, 2.46 Cubic Inches
30	*A18666-40	2	Hose Assembly, 1/2" x 40" (10F-10F)
31	*A25487-40	2	Hose Assembly, 5/8" x 40" (10F - 12F)
32	G2403-12	2	Union male 1-1/6-12 JIC X 7/8-14 JIC
33	G2403-10	2	Union, 7/8"-14 Male JIC
34	G2603-06	1	Tee, 9/16"-18 Male JIC
35	G6801-20	2	Elbow W/O-Ring, 90°, 1 5/8"-12 Male JIC To O-Ring
36	G6801-12	2	Elbow W/O-Ring, 90°, 1 1/16"-12 Male JIC To O-Ring
37	G10049501	1	Tractor Battery Connection Harness and Fuse Kit
38	G10389601	1	Tractor Power Harness
39	G10649801	1	PTO Harness, 3000 Series
	G10737701	-	PTO Harness Extension (for articulated tractors)
40	GA13917	1	Pump Mount

* Hydraulic hose is not stocked by Kinze Repair Parts.

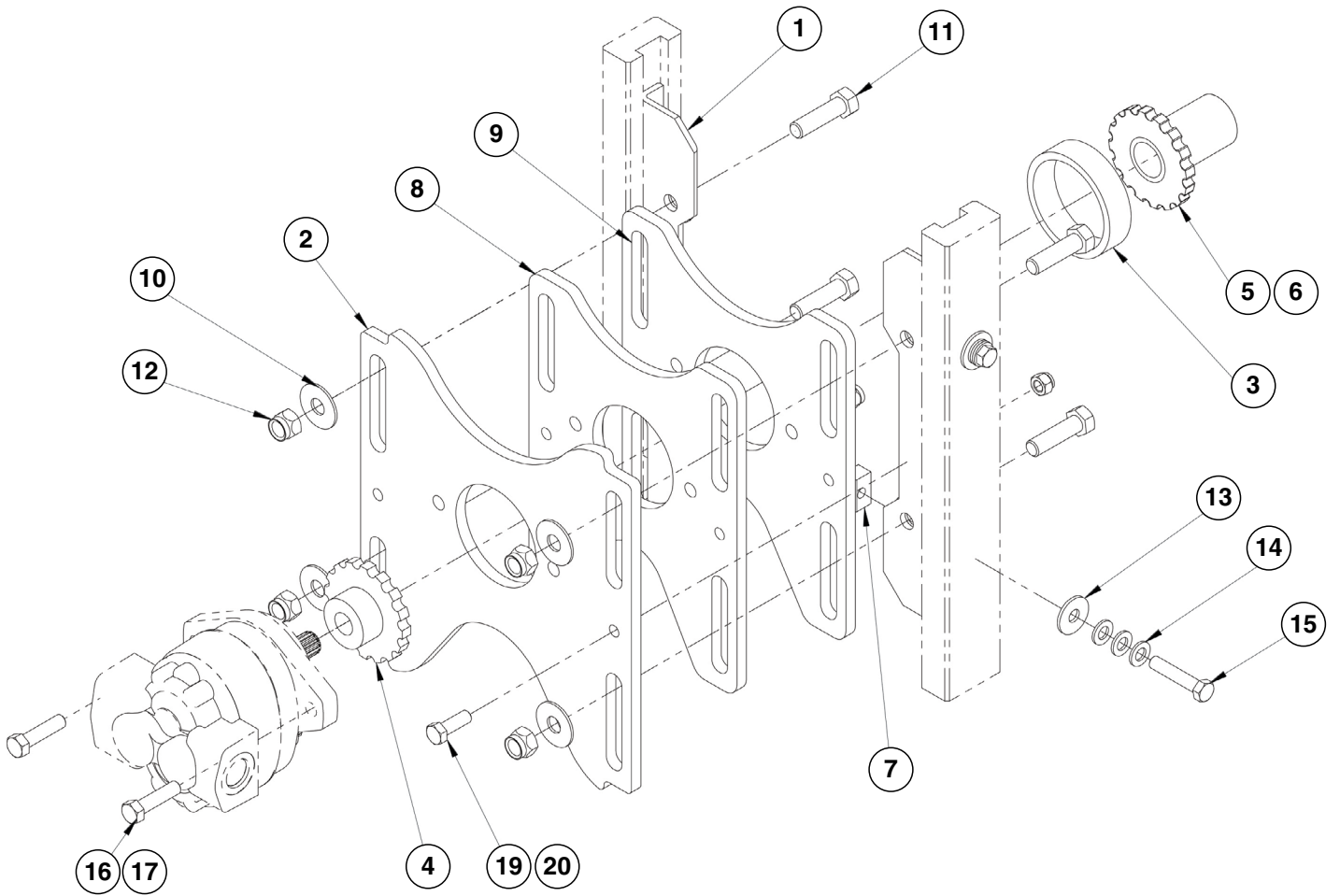
(105498)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10331001	2	Hose Clamp #4, 5/8"-1/4 x 5/16"
2	G2503-20	2	Elbow, 45°, 1-5/8"-12 JIC x 1-1/4" Male NPT
3	G2701-10	2	Elbow, 90°, 7/8"-14 Male JIC
4	G306-10	2	Lock Nut, 7/8"-14
5	G10333501	2	Steel Hydraulic Line, 5/8"
6	GD35381	2	3/8" O.D. Brass Barbed x 1/4" NPT 90° Elbow
7	G6804-08	1	Adjustable Tee, 3/4"-16 Male JIC To O-Ring
8	G10399801	1	Steel Hydraulic Line, 3/4"
9	G10333601	1	Cooler Mount Bracket
10	G304-C-8	1	Cap Nut, 3/4"-16
11	GD16038	1	Filter Head
12	GD16037	1	Oil Filter, 10 Micron
13	G6801-12	1	Elbow W/O-Ring, 90°, 1 1/16"-12 Male JIC To O-Ring
14	G10227	2	Lock Washer, 1/4"
15	G10171	8	Hex Head Cap Screw, 5/16"-18 x 1 1/4"
16	G10235	2	Machine Bushing, 7/8", 14 Gauge (.0747")
17	G6801-12-16	2	Elbow W/O-Ring, 90°. 1 1/16"-12 Male JIC To 1-5/16"-14 O-Ring
18	G11387	8	Flat Washer, 3/8" SAE
19	G10170801	1	See "PTO Pump Hydraulic Valve Block" on page P108
20	G10109	8	Lock Nut, 5/16"-18
21	G10399901	1	Steel Hydraulic Line, 3/4"
22	GD6279-07	1	Clear Plastic Tubing, 3/8" x 7-1/4"
23	G10087001	1	Temperature Sensor
24	G2403-12	1	Union, Male, 1-1/6"-12 JIC X 7/8"-14 JIC
25	*A12937-24	1	Hose Assembly, 3/4" x 24" (12F - 12F90S)
26	G6801-LL-12	1	Adjustable Elbow, 1-1/16"-12 JIC x 1-1/16"-12 O-Ring
27	G10339301	1	Oil Cooler and Fan Assembly
28	G6835-16-16-16	1	Tee, 1-5/16" O-Ring
29	G6410-16-08	1	Adapter, 1-5/16"-12 Oring x 3/4"-16
30	G11385	2	Flat Washer, 1/4" SAE
31	G10020	2	Hex Head Cap Screw, 1/4"-20 x 5/8"
32	G10333801	1	PTO Reservoir
33	G10098201	1	Temperature Sensor
34	G10229	4	Lock Washer, 3/8"
35	G10002	4	Hex Head Cap Screw, 3/8"-16 x 3/4"
36	G11386	8	Flat Washer, 5/16" SAE

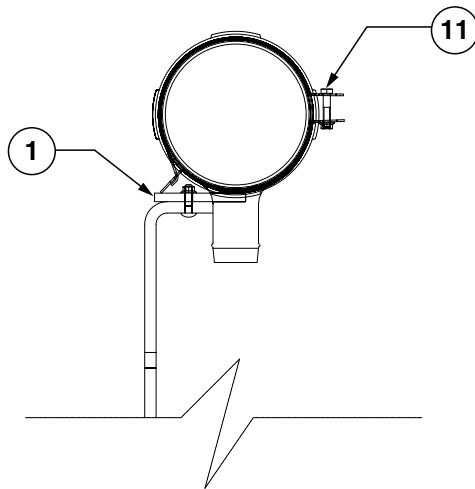
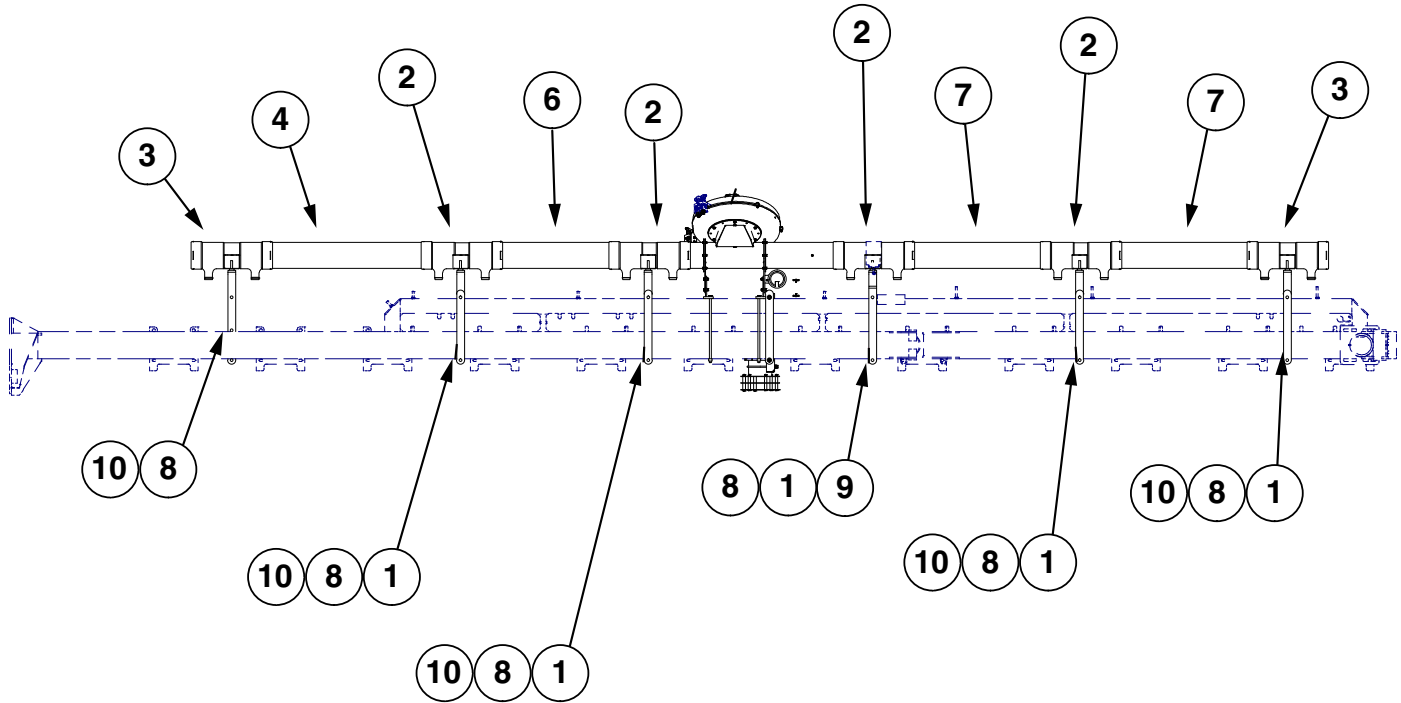
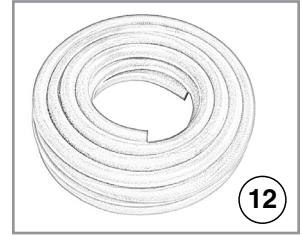
* Hydraulic hose is not stocked by Kinze Repair Parts.

(10987501)

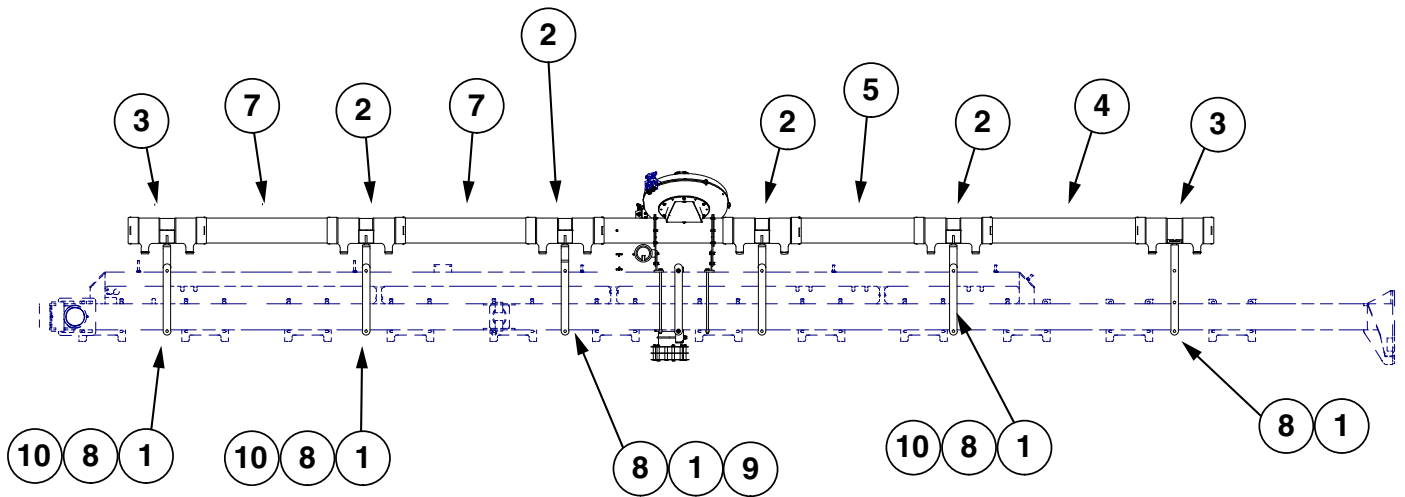


ITEM	PART NO.	QTY.	DESCRIPTION
1	G10985501	2	Rail Mount
2	G10985301	1	Pump Mount Plate, 39 cm
3	G10984801	1	Chain with Link
4	G10984701	1	Sprocket, 16 Tooth
5	G10985001	1	Long Sprocket, 16 Tooth, 1-3/4" x 20 Spline
6	G10984901	1	Long Sprocket, 16 Tooth, 1-3/8" x 21 Spline
7	G10985401	4	Rail Mount Nut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

(104938)

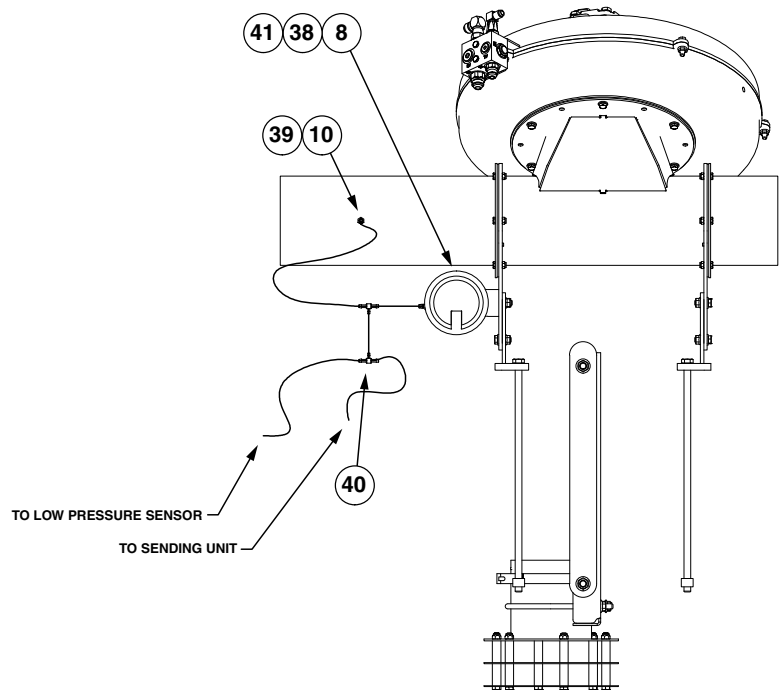
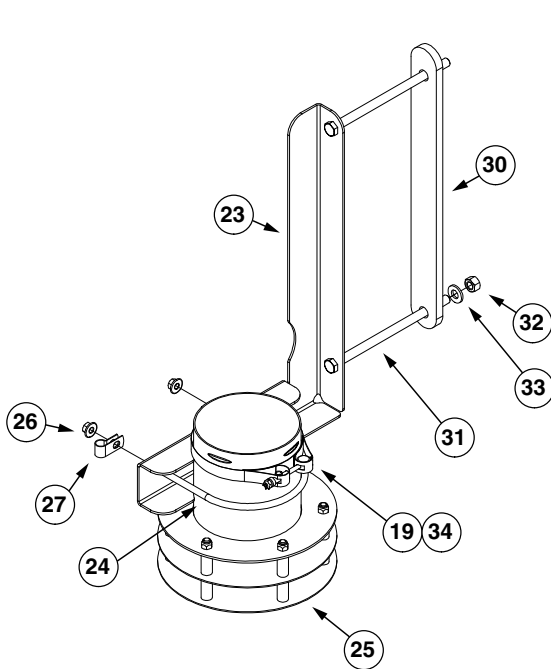
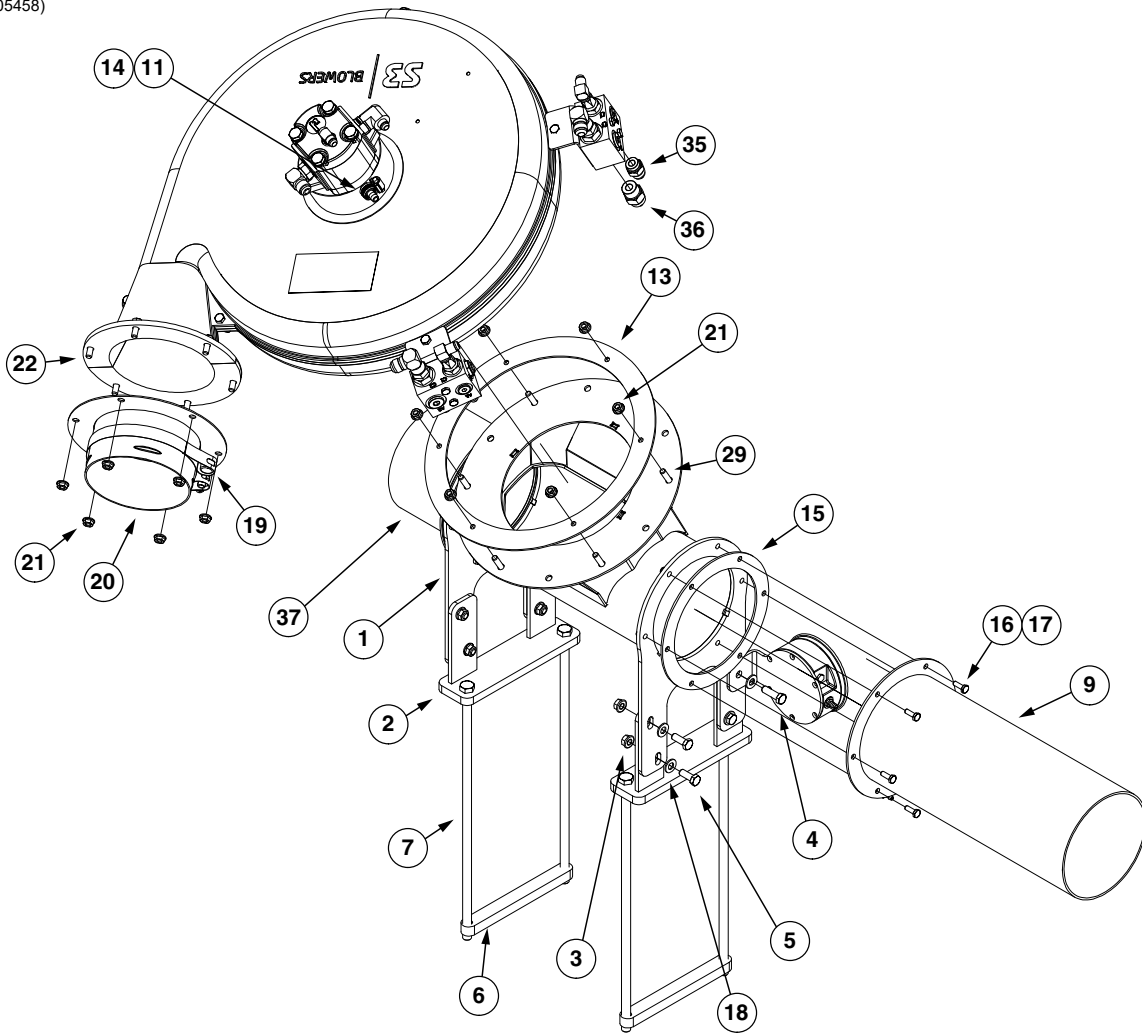


Section A-A
(12 Places)



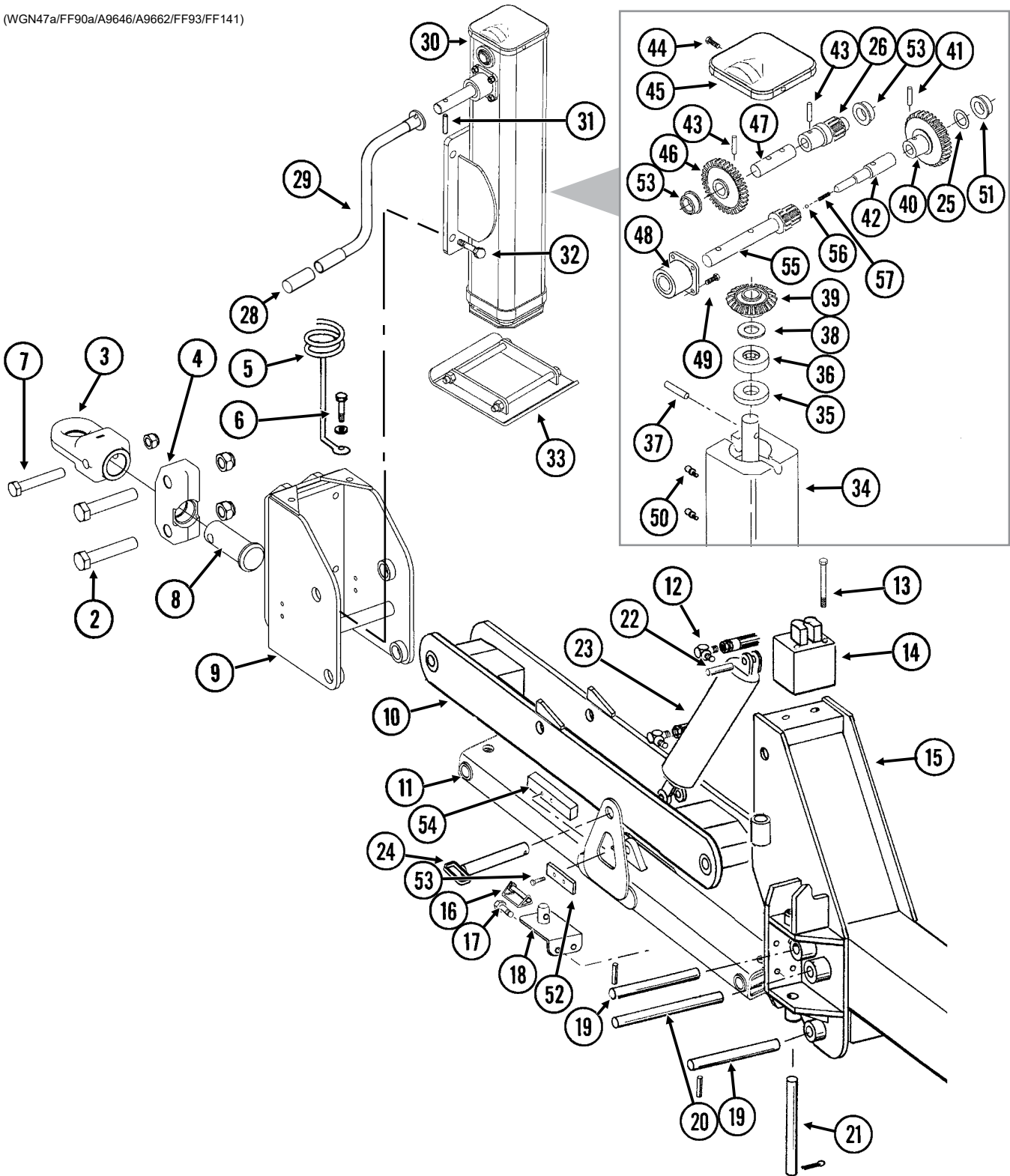
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA11164	12	Mount
	G10106	12	Hex Nut, 5/16"-18
	G10232	12	Lock Washer, 5/16"
	G10133	12	Hex Head Cap Screw, 5/16"-18 x 1 1/2"
2	GD15799	8	Manifold, 21" (Open Both Ends)
3	GD15850	4	Manifold, 21" (Open One End)
4	GD15856-08	2	Pipe, 6" x 43 1/2", L.H.
5	GD15856-28	1	Pipe, 6" x 35.5"
6	GD15856-33	1	Pipe, 6" x 22 1/2"
7	GD15856-42	4	Pipe, 6" x 37 1/2"
8	GD18626	12	Support
9	GD30910	2	Manifold and Hose Support Tab Block
10	GD30909	8	Manifold Support Tab Plate
	GD15854	12	Clamp
	G10338	12	Carriage Bolt, 5/16"-18 x 1 1/4"
	G10620	12	Serrated Flange Nut, 5/16"-18
12	GD36495-600	-	Vacuum Hose, 1-1/2" x 50'

(105458)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10507101	1	Vacuum Manifold
2	G10507301	2	Vacuum Manifold Leg
3	G10622	8	Serrated Flange Nut, 3/8"-16
4	G10004	1	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
5	G10001	7	Hex Head Cap Screw, 3/8"-16 x 1"
6	GD18624	2	Tap Block
7	GD18623	4	Hex Head Cap Screw, 1/2"-13 x 17"
8	G10536301	1	Pressure Gauge Mount
9	GA12145	1	Manifold Flange, 16" (L.H. Side)
	G10548901	1	Manifold Flange, 20" (R.H. Side)
10	GR1777	1	Hose Barb, 3/16" x 1/8" NPT
11	GD6279-05	1	Tubing, 3/8" x 60"
12	GA25513	1	Vacuum Fan Assembly
13	GD26697	1	Backing Plate
14	G10681	1	Hose Clamp, No. 6
15	GD16842	2	Manifold Gasket, 1/8" x 8 3/8" (6 5/8" I.D.)
16	G10023	12	Hex Head Cap Screw, 1/4"-20 x 3/4"
17	G10110	12	Lock Nut, 1/4"-20, Grade B
18	G11387	8	Hardened Washer, 3/8" SAE
19	G11142	2	T-Bolt Clamp, 6-1/4"
20	GA25441	1	Flex Tube Mount
21	G10620	12	Serrated Flange Nut, 5/16"-18
22	G10991	6	Hex Head Cap Screw, 5/16"-18 x 7/8"
23	G10507001	1	Diffuser Bracket
24	GD35437	1	U-Bolt, 6" x 3/8"-16
25	GA25426	1	Diffuser
26	G11091	2	Serrated Flange Nut, 3/8"-16
27	GD13348	1	Insulated Clamp, 11/16"
28	G11386	6	Flat Washer, 5/16" SAE
29	G10171	6	Hex Head Cap Screw, 5/16"-18 x 1 1/4"
30	GD30909	1	Manifold Support Tab Plate
31	G10909	2	Hex Head Cap Screw, 1/2"-13 x 9"
32	G10102	2	Hex Nut, 1/2"-13
33	G11389	2	Flat Washer, 1/2" Plated SAE
34	GD19658-02	1	Black Hose, 6" I.D. x 56"
35	G6400-08	1	Adapter, 3/4"-16 Male JIC to 1-1/16"-12 O-Ring
36	G6400-10	1	Connector W/O-Ring, 7/8"-14 Male JIC To O-Ring
37	GA21868	1	Manifold Flange, 5" (L.H. Side)
	GA11653	1	Manifold Flange, 6" (R.H. Side)
38	GA21406	1	Pressure Gauge
39	GD15849-02	1	Clear Plastic Tubing, 5/16" O.D. x 120"
40	GD21278	2	Reducing Tee, 3/16" x 1/8" x 3/16"
41	G11215	3	Hex Flat Head Cap Screw, No. 6-32 x 3/8", Grade 8

(WGN47a/FF90a/A9646/A9662/FF93/FF141)

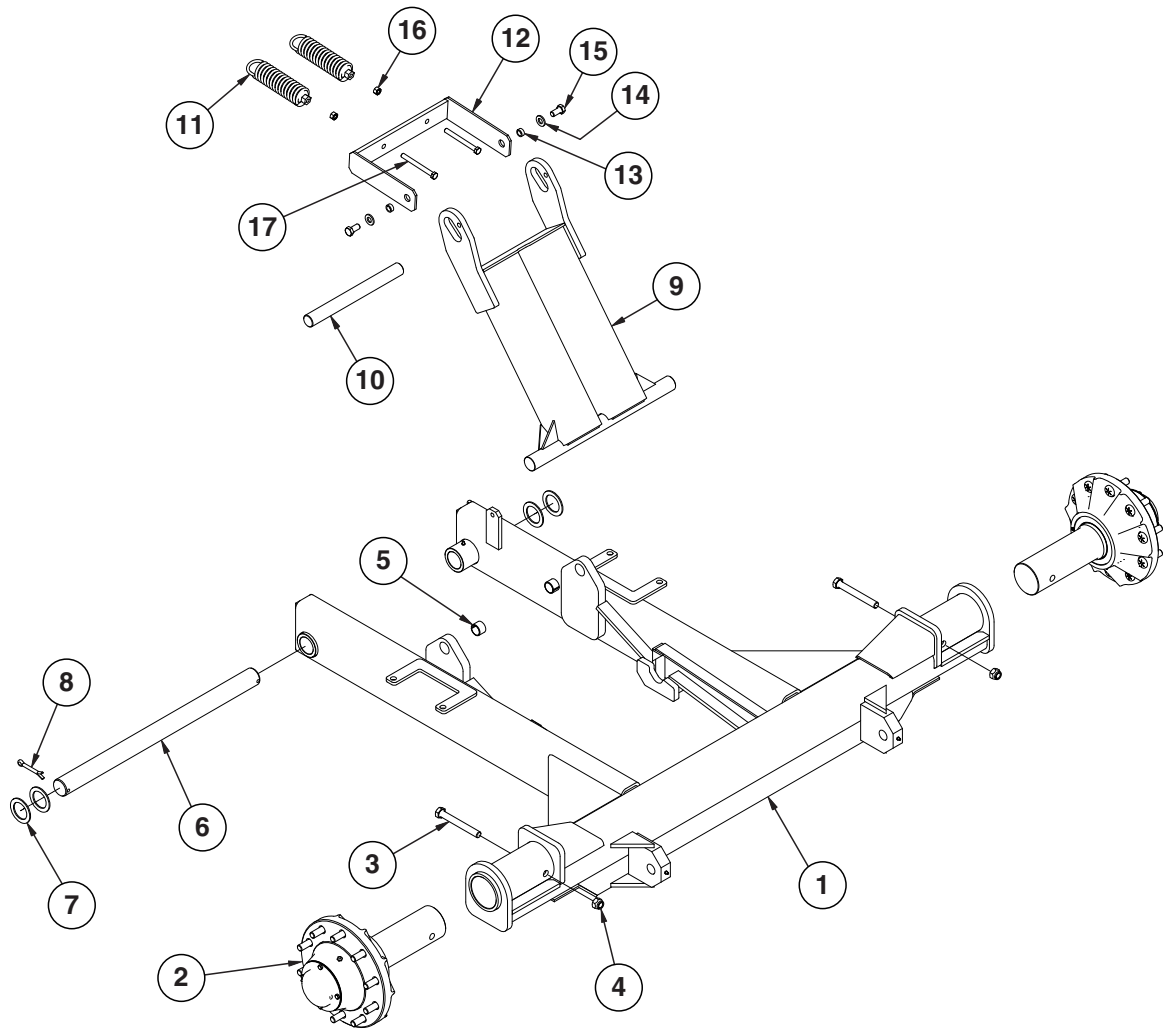


ITEM	PART NO.	QTY.	DESCRIPTION
1	---	-	---
2	G10042	2	Hex Head Cap Screw, 1¼"-7 x 6½"
	G10157	2	Lock Nut, 1¼"-7
3	G10706601	1	Ball Hitch
4	GA9526	1	Swivel Block W/Grease Fitting
	G10643	-	Grease Fitting, 45°, ¼"-28
5	GD9349	1	Hose Holder
6	G10006	1	Hex Head Cap Screw, ⅝"-11 x 2¼"
	G10230	1	Lock Washer, ⅝"
	G11391	1	Flat Washer, ⅝" SAE (If Applicable)
	G10104	1	Hex Nut, ⅝"-11
7	G11186	2	Hex Head Cap Screw, 1"-8 x 6½"
	G10396	2	Lock Nut, 1"-8
8	GD13377	1	Spindle
9	GA9459	1	Hitch Cap
10	GA9894	1	Upper Hitch Link W/Grease Fittings
	G10640	-	Grease Fitting, ¼"-28
11	GA10043	1	Lower Hitch Link W/Grease Fittings
	G10640	-	Grease Fitting, ¼"-28
12	G6801-08	2	Elbow W/O-Ring, 90°, ¾"-16 Male JIC To O-Ring
	GR1037	-	O-Ring
13	G10756	2	Hex Head Cap Screw, ⅜"-16 x 6"
	G11387	2	Flat Washer, ⅜" SAE
	G10108	2	Lock Nut, ⅜"-16
14	---	-	See "Valve Block on Front Hitch" on page P94
15	---	-	See "Front Hitch Assembly (Rear Section)" on page P52
16	GD10705	1	Locking Clip Pin, ¼" x 2½"
17	G10019	2	Hex Head Cap Screw, ⅝"-18 x 1"
	G10232	2	Lock Washer, ⅝"
	G10106	2	Hex Nut, ⅝"-18
18	GA9654	1	Handle Mount
19	GD9464-01	4	Pin, 1½" x 11¼"
	G10475	8	Spring Pin, ¼" x 2¼"
20	GD0671	1	Pin, 1¼" x 10¾"
	G10460	2	Cotter Pin, ¼" x 2"
21	GD4014	2	Pin, 1¼" x 12"
	G10460	4	Cotter Pin, ¼" x 2"
22	GR0717	2	Pin W/Clip
	GR0193	-	Hair Pin Clip
23	---	-	See "Hitch Paralled Linkage Cylinder" on page P89
24	GA6813	1	Parallel Linkage Lock Pin
	GD14217	1	Tab Lock Pin, ⅞" x 1½"
25	G11032	1	Shim
26	GD13605	1	Output Spur Gear
27	---	-	---
28	G11012	1	Cover
29	GA9655	1	Handle
30	GA9646	1	2-Speed Jack Assembly, Less Handle And Foot Assembly
31	G11076	1	Spring Pin, M10 x 50 (Metric)
32	G10006	4	Hex Head Cap Screw, ⅝"-11 x 2¼"
	G10230	4	Lock Washer, ⅝"
	G10104	4	Hex Nut, ⅝"-11

Continued on the next page.

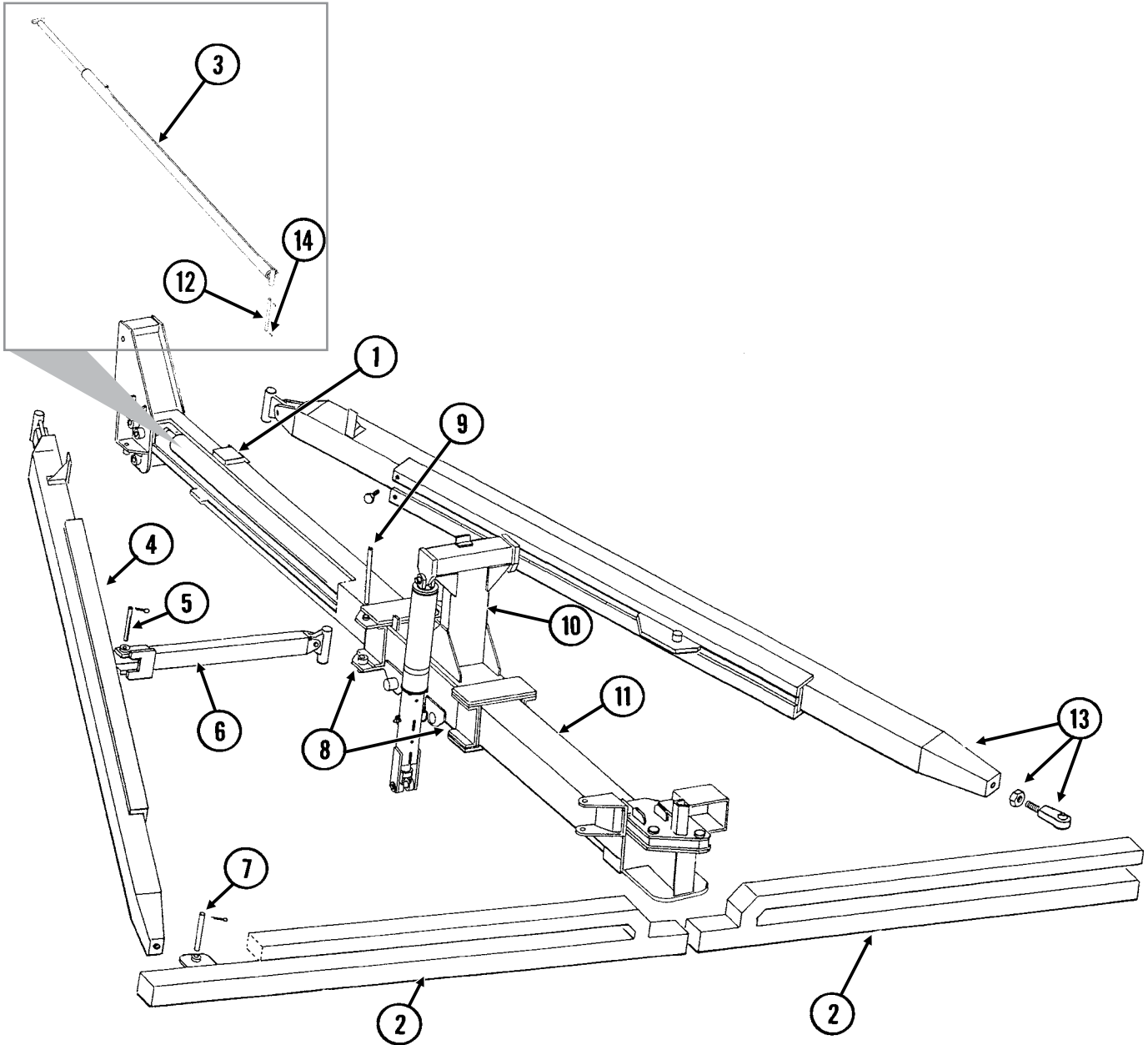
ITEM	PART NO.	QTY.	DESCRIPTION
33	GA9662	1	Jack Foot Assembly W/Hardware
	G11034	-	Hex Head Cap Screw, 1/2"-13 x 7"
	G10111	-	Lock Nut, 1/2"-13
34	GA9663	1	Lower Leg Assembly
35	GD13598	1	Collar
36	GA9665	1	Thrust Bearing
37	G10840	1	Dowel Pin, 3/8" x 1 3/4"
38	GD13600	1	Thrust Washer
39	GD13601	1	Bevel Gear
40	GD13602	1	Output Cluster Gear
41	G11030	1	Spring Pin, 3/8" x 1 3/4"
42	GD13603	1	Output Shaft
43	G11031	2	Spring Pin, 5/16" x 1 1/2"
44	G10960	2	Flanged Whiz-Lock Screw, 1/4"-20 x 5/8", No Serration
45	GD13607	1	Cover
46	GD13606	1	Input Spur Gear
47	GD13608	1	Output Shaft
48	GA14992	1	Shaft Housing Assembly
49	G10019	4	Hex Head Cap Screw, 5/16"-18 x 1"
	G10109	4	Lock Nut, 5/16"-18, Grade 8
50	G10641	2	Grease Fitting, 1/8" NPT
51	GD13604	3	Bushing
52	GD15785	2	Mount, 1 1/2" x 5 1/2"
53	G10017	4	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
	G10228	4	Lock Washer, 1/2"
54	GD15787	2	Stop Block, 1 1/2" x 8"
55	GD13611	1	Input Shaft
56	GD13609	2	Detent Ball
57	GD13610	1	Detent Spring
A	GA9504	-	2-Speed Jack/Mount Sub-Assembly (Items 2-9, 30, 31 And 33)
B	G7786x	-	Safety Chain Package (Items: 1 and 27)

(IP1420)



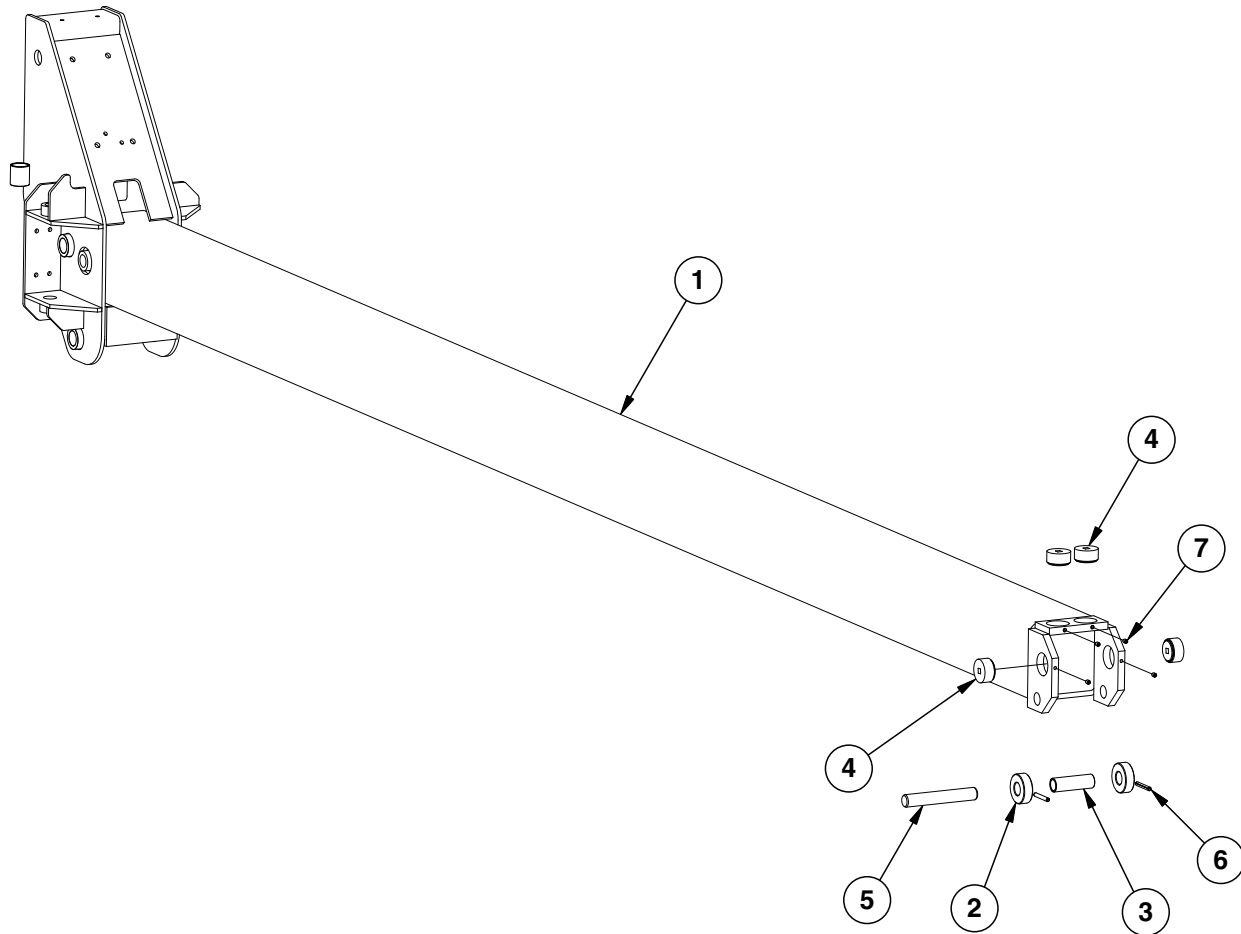
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA16870 G10640	1 4	Axle, 36 Row 20" (Non-Stock Item) Grease Fitting, 1/4"-28
2	---	2	See "Transport Wheel and Hub Assembly" on page P62
3	G10440	2	Hex Head Cap Screw, 3/4"-10 x 6"
4	G10112	2	Lock Nut, 3/4"-10
5	GD11751	2	Steel Bushing, 1" Wide
6	GD9566-01	1	Pin, 2 1/8" x 3 1/8"
7	G10234	4	Machine Bushing, 2 1/8", 10 Gauge
8	G10461	2	Cotter Pin, 3/8" x 3"
9	GA14086 GA6658	1 -	Transport Lockup Transport Lockup (24 Row 70cm only)
10	GD11783	1	Transport Rod, 1 1/2" x 14 3/4"
11	GA2068	2	Spring W/Plug
12	GA6725	1	Mechanical Trip Actuator
13	GD3180-24	2	Sleeve, 5/8" I.D. x 7/8" O.D. x 3/8" Long
14	G11391	2	Flat Washer, 5/8" SAE
15	G10055	2	Hex Head Cap Screw, 5/8"-11 x 1 1/4"
16	G10102	2	Hex Nut, 1/2"-13
17	G10348	2	Hex Head Cap Screw, 1/2"-13 x 5"

(TP1016)



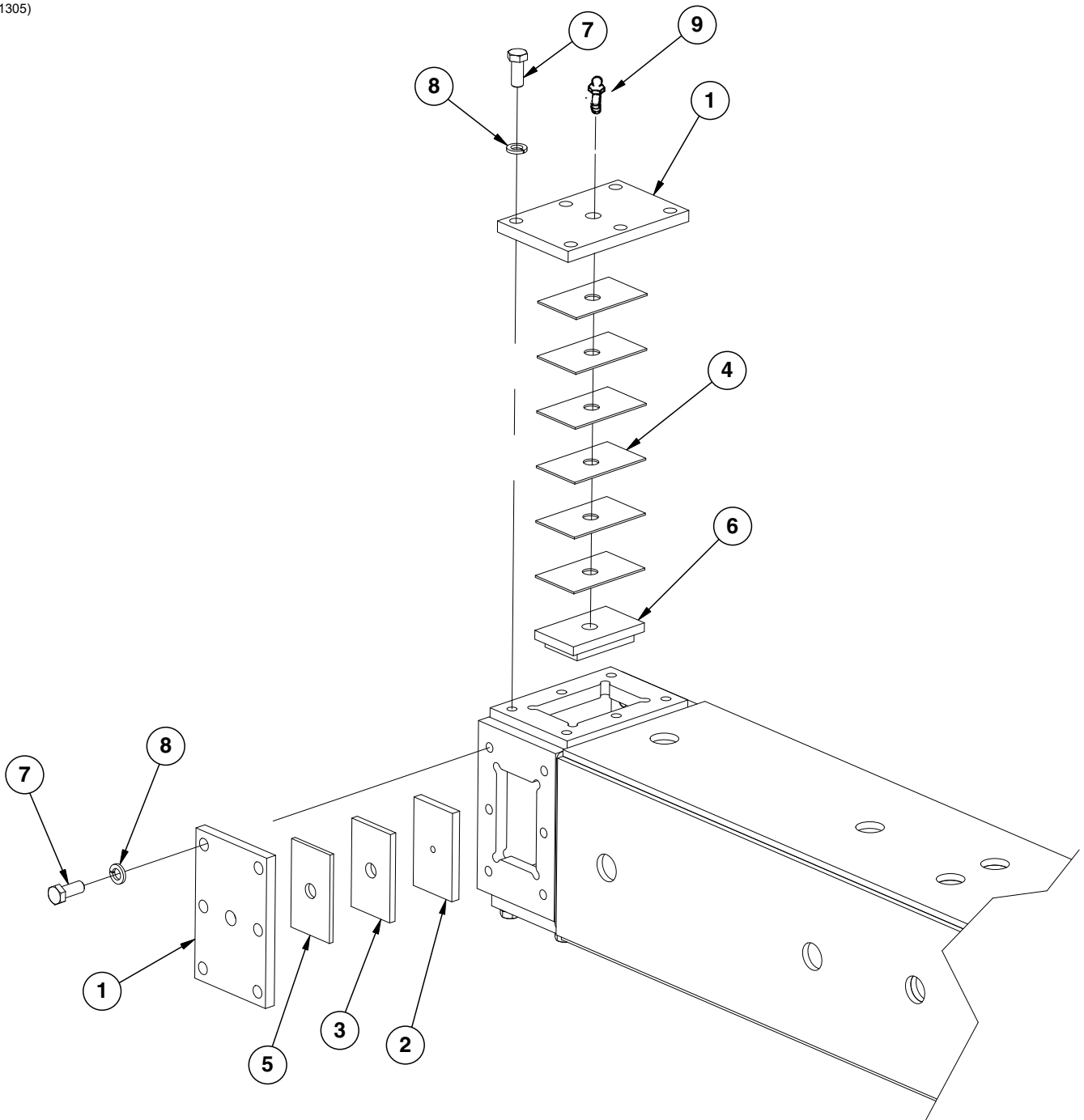
ITEM	PART NO.	QTY.	DESCRIPTION
1	---	-	See "Front Wear Pads" on page P53
2	---	-	See "Hinge and Wing Assemblies" on page P58
3	---	-	See "Tongue Cylinder" on page P92
4	GA7453	1	L.H. Draft Link W/Split Locking Nut, Socket Head Screw And Joint
	GD10230	-	Split Locking Nut, 2"-12, Grade 2
	G10831	-	Hex Socket Head Screw, ¼"-20 x ⅝"
	GA6660	-	Joint
	GA6649	-	Axle Link Slide
5	GD9542-03	2	Pin, 1¼" x 6⅞"
	G10460	4	Cotter Pin, ¼" x 2"
6	GA6654	2	Axle Link
7	GD3421	2	Pin, 1¼" x 8¾"
	G10460	4	Cotter Pin, ¼" x 2"
8	---	-	See "Tower Assembly" on page P54
9	GD9542-04	2	Pin, 1¼" x 15"
	G10460	4	Cotter Pin, ¼" x 2"
10	---	-	See "Tower Assembly" on page P54
11	*A12535		Rear Hitch (Non-Stock Item)
12	GD5506	1	Pin, 1¼" x 16"
	G10460	2	Cotter Pin, ¼" x 2"
13	GA7454	1	R.H. Draft Link W/Split Locking Nut, Socket Head Screw And Joint
	GD10230	-	Split Locking Nut, 2"-12, Grade 2
	G10831	-	Hex Socket Head Screw, ¼"-20 x ⅝"
	GA6660	-	Joint
	GA6649	-	Axle Link Slide
14	G10460	2	Cotter Pin, ¼" x 2"

(IP1306)



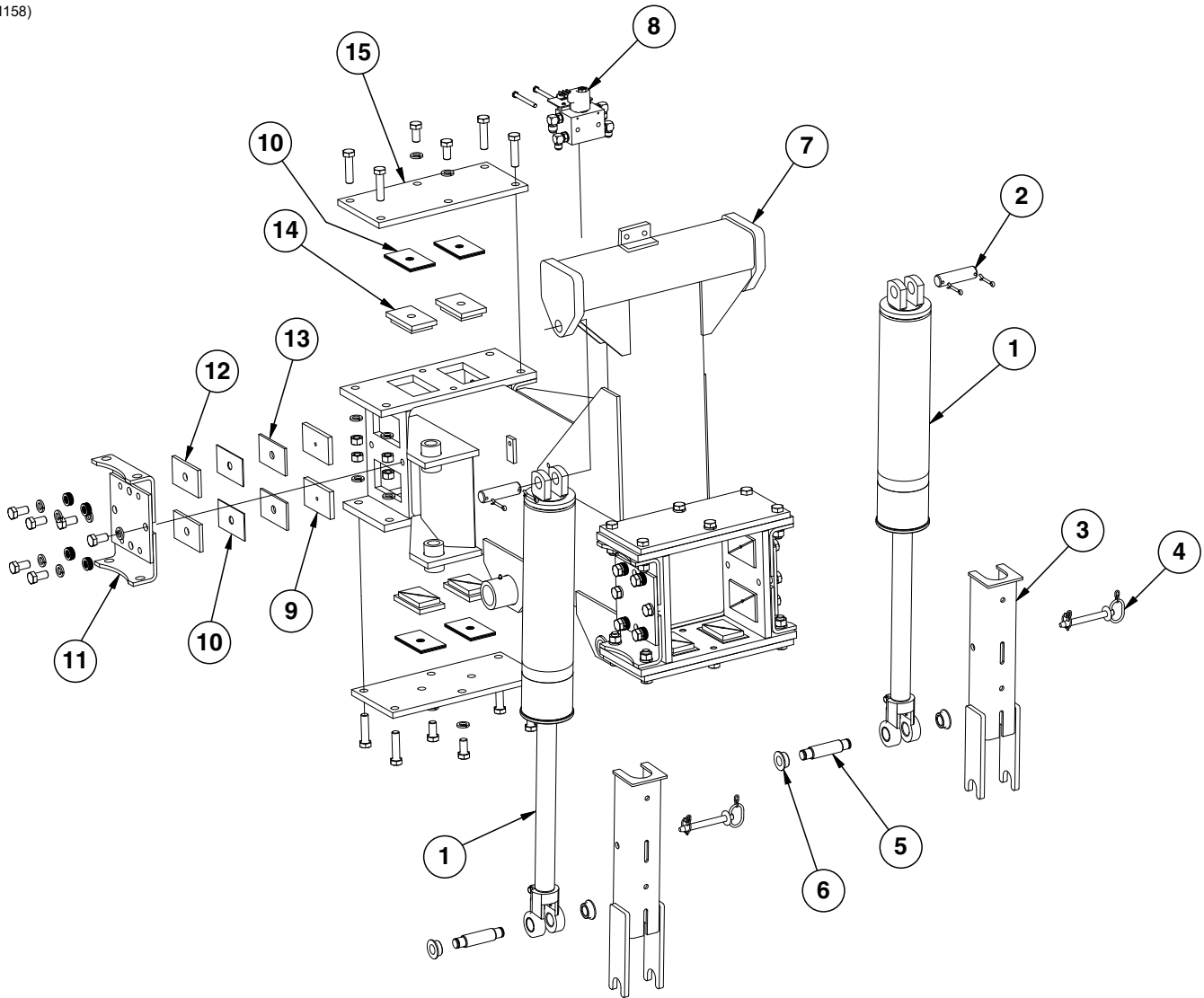
ITEM	PART NO.	QTY.	DESCRIPTION
1	*A14700	1	Front Hitch, 166 ⁵ / ₈ " (Non-Stock Item)
2	GD9366	2	Roller
3	GD9367	1	Sleeve
4	GD21000	4	Bronze Adjusting Plug
5	GD9362	1	Mounting Pin
6	G10769	2	Spring Pin, 3/8" x 2 3/4"
7	G10760	4	Hex Socket Set Screw, 3/8"-16 x 1/2"

(IP1305)



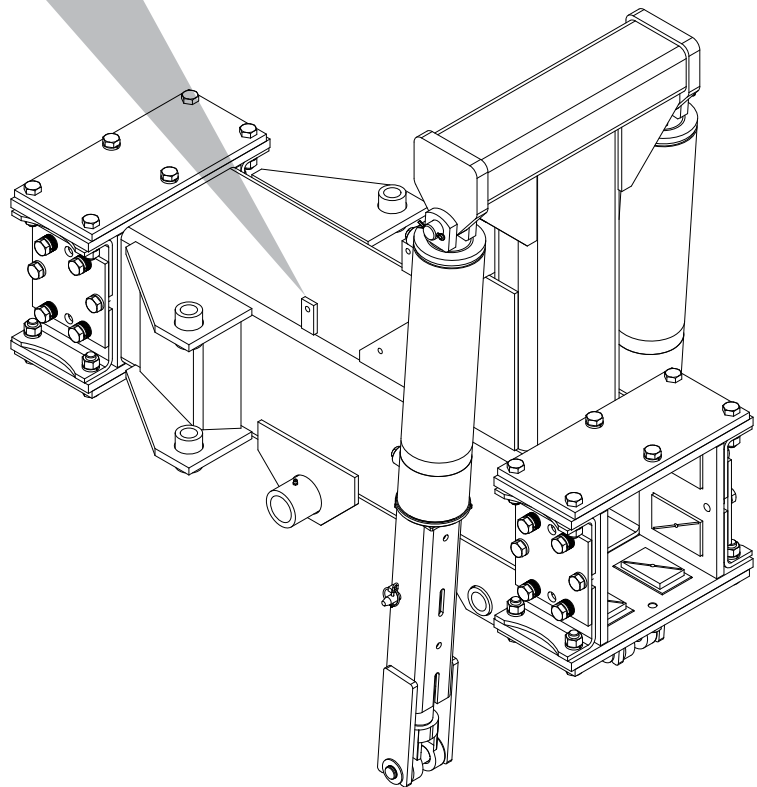
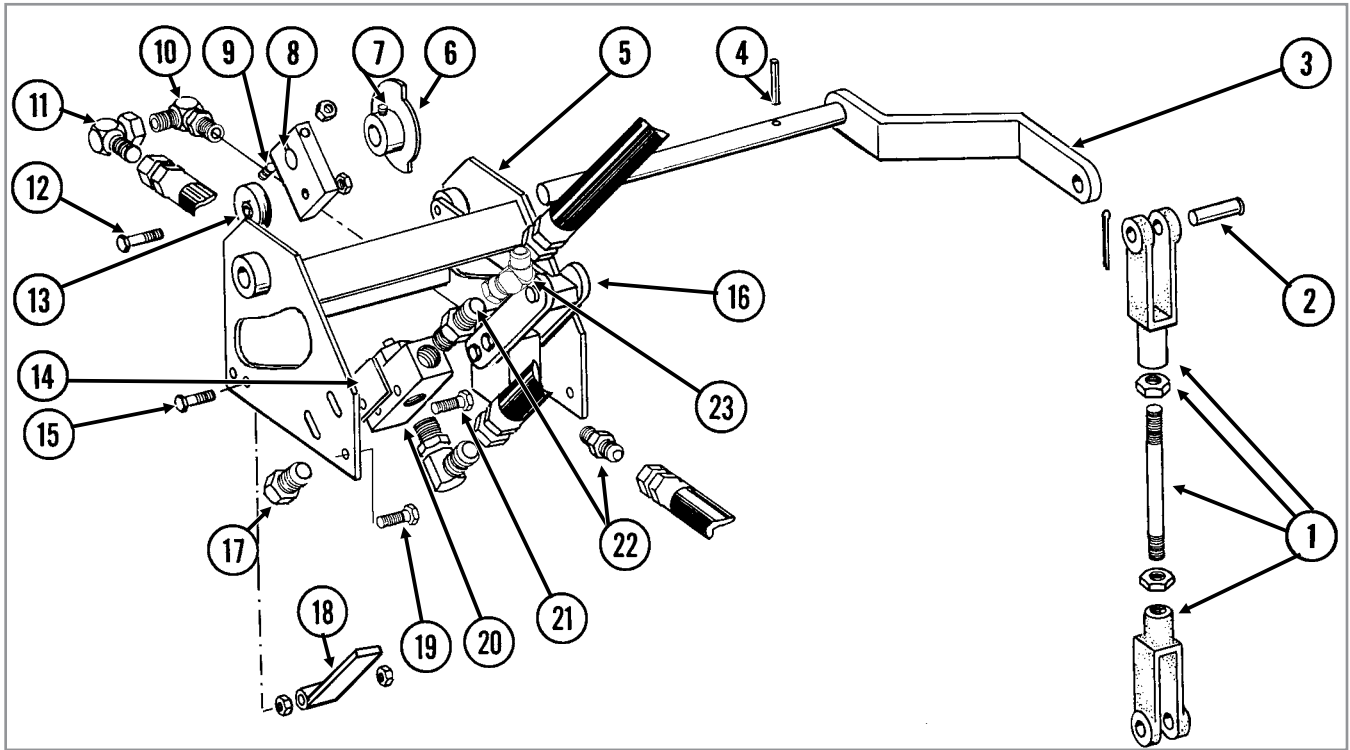
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD9467	4	Cap
2	GD9468	2	Bearing Pad
3	GD9465	2	Shim, 3/8"
4	GD9498	12	Shim, 12 Gauge
5	GD10981	2	Shim, 1/4" (As Required)
6	GA6655	2	Retainer Pad
7	G10007	24	Hex Head Cap Screw, 5/8"-11 x 1 1/2"
8	G10230	24	Lock Washer, 5/8"
9	G10763	4	Grease Fitting, Extended, 1/8"-27

(IP1158)



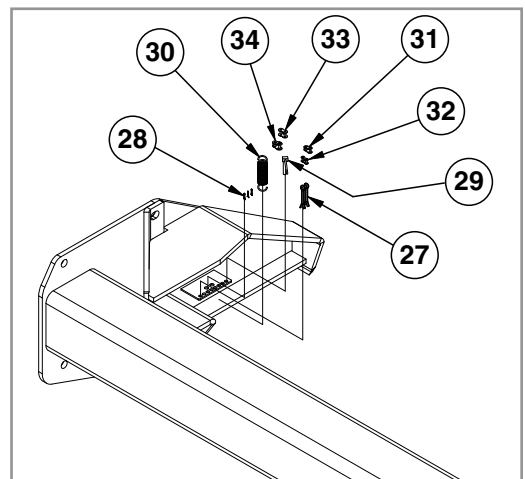
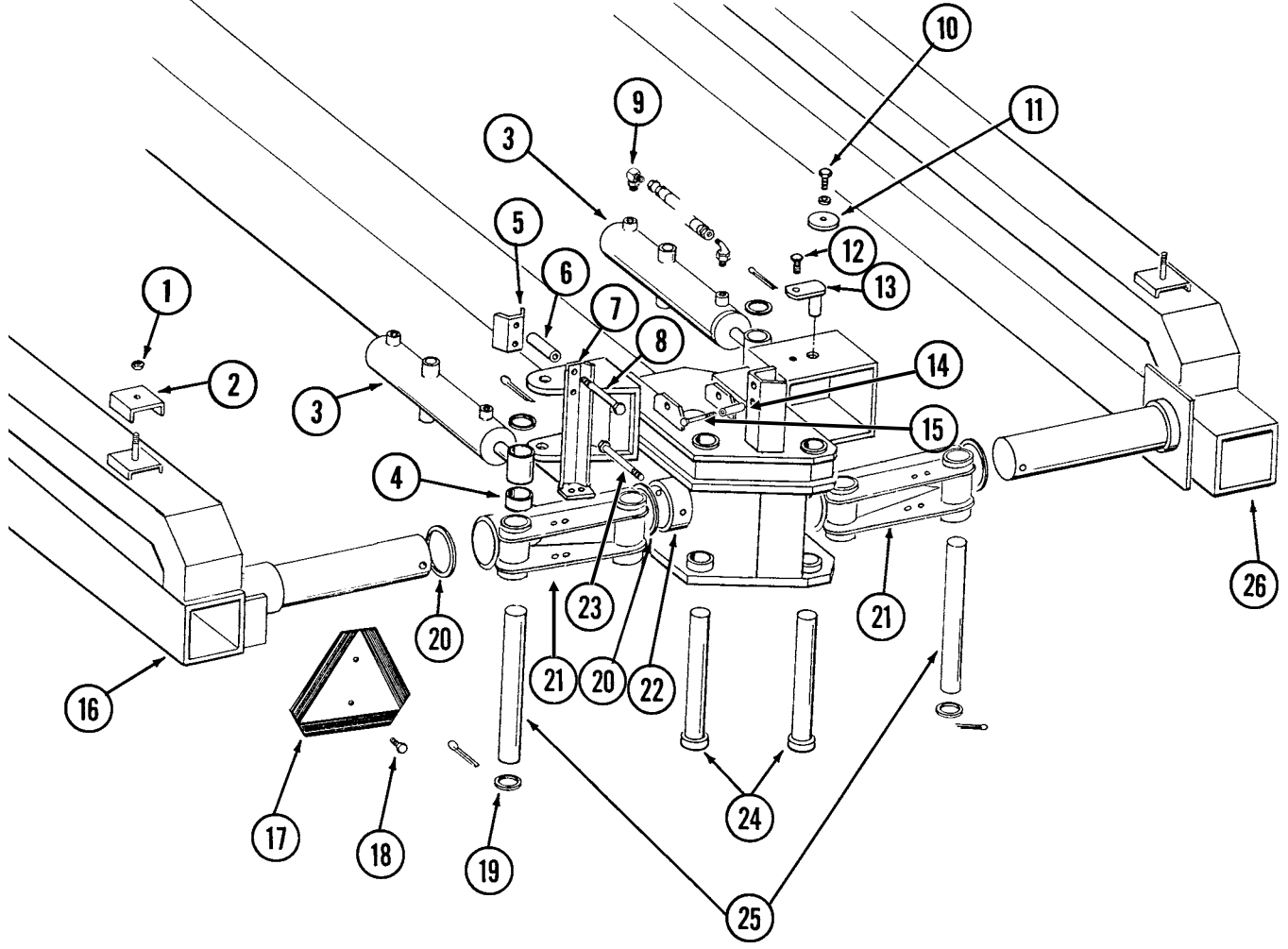
ITEM	PART NO.	QTY.	DESCRIPTION
1	---	2	See "Slave Cylinder" on page P88
2	GD12585	2	Pin, 1¼" x 4½"
	G10460	4	Cotter Pin, ¼" x 2"
3	GA8971	2	Cylinder Lockup Bracket W/Pin Assembly
	GA8963	1	Cylinder Lockup
4	GA8312	1	Pin W/Lynch Pin, 5½"
5	GD12545	2	Pin, 1¼" x 5½"
	G10982	4	HD External Retaining Ring, 1"
6	GD12535	4	Special Bushing, 2" O.D. x 1" I.D. x ¾" Long
7	*A12531	-	Axle Mount (Non-Stock Item)
8	---	1	See "Valve Block on Tower Assembly" on page P97
	G10324	2	Hex Head Cap Screw, ⅜"-16 x 3¾"
9	GD9468	8	Bearing Pad
10	GD9498	32	Shim, 12 Gauge
11	GA12595	4	Retainer
	G10231	24	Lock Washer, ¾"
	G10215	112	Machine Bushing, ¾", 14 Gauge
	G10025	24	Hex Head Cap Screw, ¾"-10 x 1½"
12	GD9465	8	Shim, ⅜"
13	GD10981	8	Shim, ¼"
14	GA6655	8	Retainer Pad
15	GD18328	4	Retainer, 8" x 18¾"
	G10763	16	Grease Fitting, Extended, ⅛"-27
	G10105	16	Hex Nut, ¾"-10
	G10028	16	Hex Head Cap Screw, ¾"-10 x 3"
	G10231	24	Lock Washer, ¾"
	G10025	8	Hex Head Cap Screw, ¾"-10 x 1½"

(FF8g)



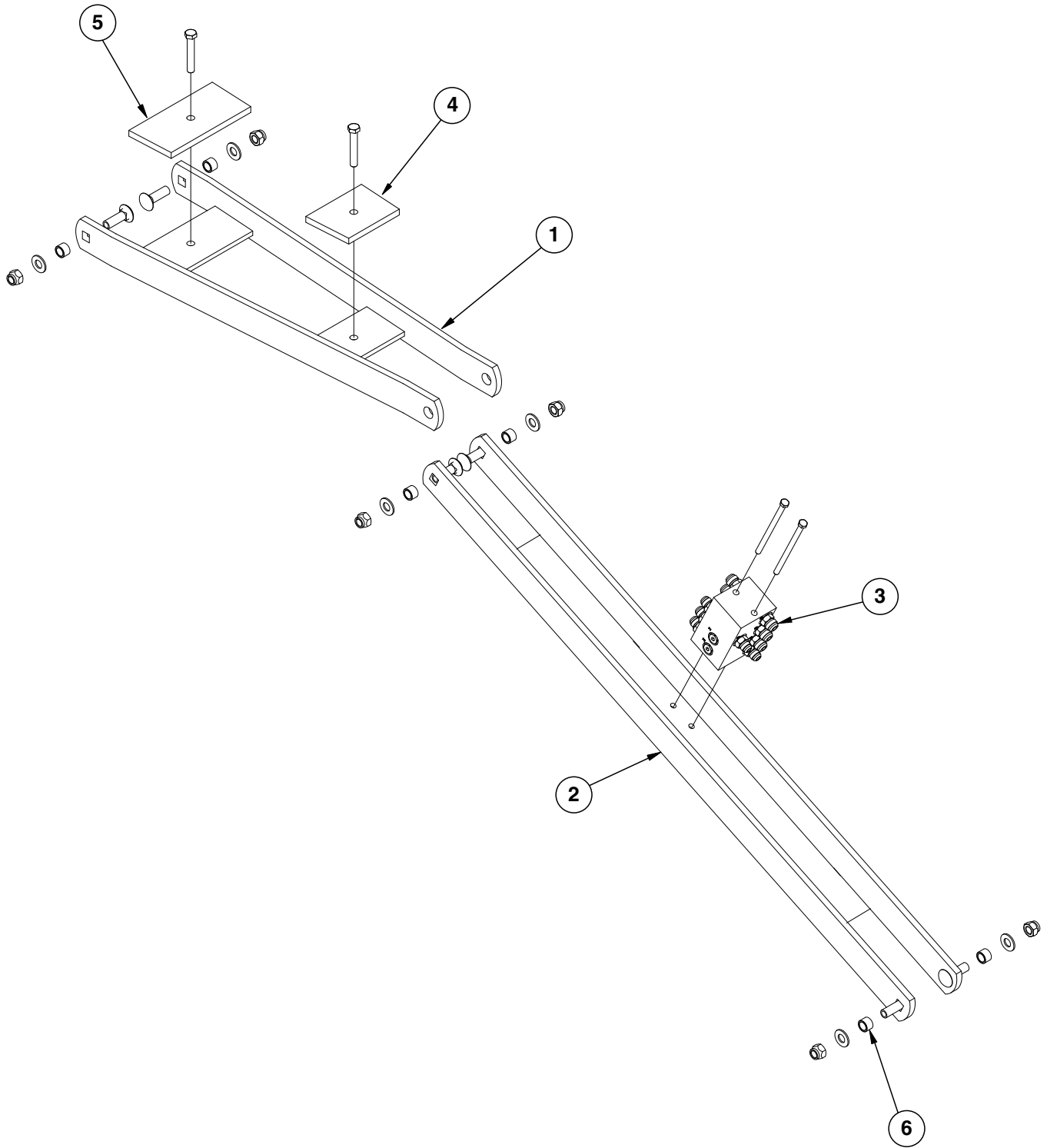
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA6646	1	Rod Assembly
	GD8218	-	Yoke
	GD9499	-	Stud
	G10104	-	Hex Nut, 5/8"-11
2	G10560	2	Clevis Pin, 1/2" x 1 3/4"
	G10451	2	Cotter Pin, 1/8" x 1"
3	GA6685	1	Cam Activator
4	G10606	1	Spring Pin, 1/4" x 2"
5	GA6687	1	Housing
6	GA6686	1	Cam
7	G10120	2	Hex Socket Set Screw, 3/8"-16 x 1/2"
8	GD9511	1	Detent Arm
9	G10048	1	Hex Head Cap Screw, 3/8"-16 x 2"
	G10108	1	Lock Nut, 3/8"-16
10	G6801-10-08	1	Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To 3/4"-16 O-Ring
	GR1037	-	O-Ring
11	G6500-10	1	Swivel Elbow, 90°, 7/8"-14 Male JIC To Female
12	G10009	1	Hex Head Cap Screw, 5/8"-11 x 2 1/2"
	G10107	1	Lock Nut, 5/8"-11
13	GA2014	1	Bearing
14	GD10714	-	Spacer
15	G10048	1	Hex Head Cap Screw, 3/8"-16 x 2"
	G10101	2	Hex Nut, 3/8"-16
16	---	-	See "Detent Lever Valve" on page P103
17	G6408-08	1	Plug W/O-Ring, 3/4"-16 O-Ring
	GR1037	-	O-Ring
18	GA7153	1	Stroke Limiter Arm (If Applicable)
19	G10004	4	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G10229	4	Lock Washer, 3/8"
	G10101	4	Hex Nut, 3/8"-16
20	---	-	See "Stroke Limiter Valve" on page P104
21	G10069	2	Hex Head Cap Screw, 5/16"-18 x 2 1/4"
	G10109	2	Lock Nut, 5/16"-18
	G11386	2	Flat Washer, 5/16" SAE
22	G6400-10-08	1	Connector W/O-Ring, 7/8"-14 Male JIC To 3/4"-16 O-Ring
	GR1037	-	O-Ring
23	G6502-10	-	Swivel Elbow, 45°, 7/8"-14 Male JIC To Female

PFA062/PFA052(FF9c)



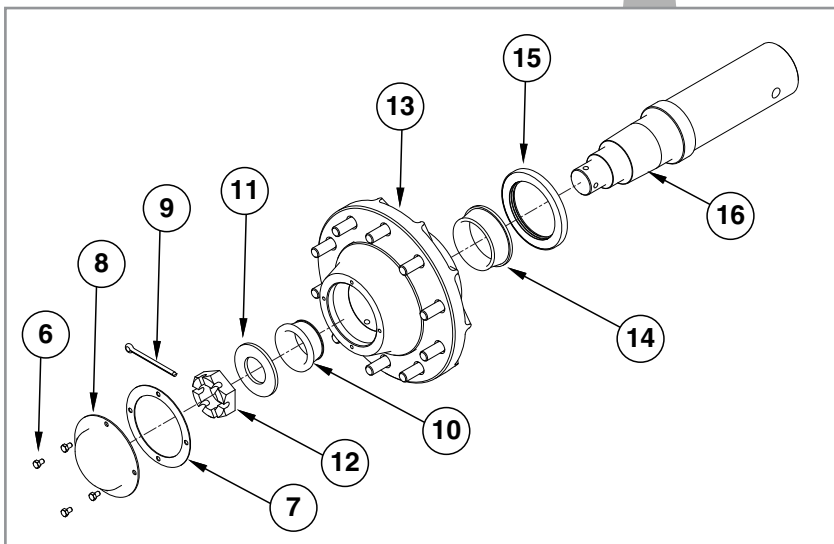
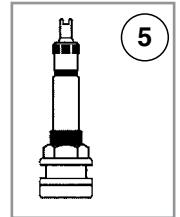
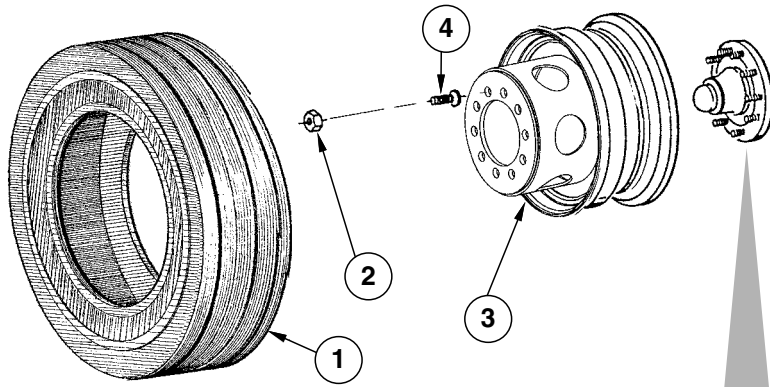
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10111	-	Lock Nut, 1/2"-13
2	GD0740	18	Hose Clamp, 3/4" x 4" x 3 1/2"
	GD0776	2	Hose Clamp, 3/4" x 2" x 2 1/2"
3	---	-	See "Helper Cylinder" on page P91
4	GD9727	2	Spacer
5	GD9361	2	Hose Guide
6	GD3180-13	4	Sleeve, 5/8" I.D. x 7/8" O.D. x 4" Long
7	GA6640	1	Bracket
8	G10011	2	Hex Head Cap Screw, 5/8"-11 x 5 1/2"
	G10230	2	Lock Washer, 5/8"
	G10104	2	Hex Nut, 5/8"-11
9	G6801-06-08	4	Elbow W/O-Ring, 90°, 9/16"-18 Male JIC To 3/4"-16 O-Ring
	GR1037	-	O-Ring
10	G10026	2	Hex Head Cap Screw, 3/4"-10 x 2"
	G10231	2	Lock Washer, 3/4"
11	GD9516	2	Pivot Washer
12	G10017	4	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
	G10228	4	Lock Washer, 1/2"
	G10102	4	Hex Nut, 1/2"-13
13	GA6761	4	Pin
14	GD3180-06	2	Sleeve, 5/8" I.D. x 7/8" O.D. x 1 3/4" Long
15	G10013	2	Hex Head Cap Screw, 5/8"-11 x 3 1/2"
	G10036	-	Hex Head Cap Screw, 5/8"-11 x 4"
	G10230	2	Lock Washer, 5/8"
	G10104	2	Hex Nut, 5/8"-11
16	GA9031	1	L.H. Wing, 360"
17	GD2199	1	SMV Sign
18	G10022	2	Hex Head Cap Screw, 1/4"-20 x 1/2"
	G10227	2	Lock Washer, 1/4"
	G10103	2	Hex Nut, 1/4"-20
19	G10360	4	Machine Bushing, 2 1/2", 10 Gauge
20	GD9462	6	Washer
21	GA8138	-	Knuckle
	G10640	3	Grease Fitting, 1/4"-28
22	GD9463	2	Washer
23	G10057	2	Hex Head Cap Screw, 3/4"-10 x 7"
	G10231	2	Lock Washer, 3/4"
	G10105	2	Hex Nut, 3/4"-10
24	GA8994	-	Vertical Pin
	G10360	-	Machine Bushing, 2 1/2", 10 Gauge (As Required)
	G10359	-	Machine Bushing, 2 1/2", 18 Gauge (As Required)
	GD12692	-	Pin, 3/8" x 3 1/2"
25	GD9726	2	Pin, 2 1/2" x 13 1/8"
	G10461	4	Cotter Pin, 3/8" x 3"
26	GA9032	1	R.H. Wing, 357"
27	G10460	2	Cotter Pin, 1/4" x 2" (Toolbox)
	G10670	3	Hair Pin Clip, No. 3 (Toolbox)
28	G10455	3	Cotter Pin, 1/16" x 1/2" (Toolbox)
	G10478	2	Clevis Pin, 5/16" x 1" (Toolbox)
29	GD2558	1	Lynch Pin, 1/4" (Toolbox)
	G10821	3	Clevis Pin, 3/16" x 2" (Toolbox)
30	GD5857	1	Spring (Toolbox)
31	GR0201	1	Offset Link, No. 41 (Toolbox)
32	GR0196	1	Connector Link, No. 41 (Toolbox)
33	GR0912	1	Connector Link, No. 40 (Toolbox)
34	GR0911	1	Offset Link, No. 40 (Toolbox)

(IP1155a)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA6656	1	Front Hose Take-Up
2	GA6657	1	Rear Hose Take-Up
3	---	1	See "Junction Block on Hose Take-Up" on page P102
	G10937	2	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 6 $\frac{1}{2}$ "
	G11091	2	Serrated Flange Nut, $\frac{3}{8}$ "-16
4	GD11894	1	Spacer, 4" x 5 $\frac{1}{2}$ "
	G10038	1	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x 3"
	G10111	1	Lock Nut, $\frac{1}{2}$ "-13
5	GD11895	1	Spacer, 4" x 8 $\frac{1}{4}$ "
	G10038	1	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x 3"
	G10111	1	Lock Nut, $\frac{1}{2}$ "-13
6	GB0218	6	Bushing, 2 $\frac{1}{32}$ " I.D. x $\frac{7}{8}$ " O.D. x 1 $\frac{9}{32}$ " Long
	G11391	6	Flat Washer, $\frac{5}{8}$ " SAE
	G10689	6	Carriage Bolt, $\frac{5}{8}$ "-11 x 2"
	G10107	6	Lock Nut, $\frac{5}{8}$ "-11

(FF11d/A7434)

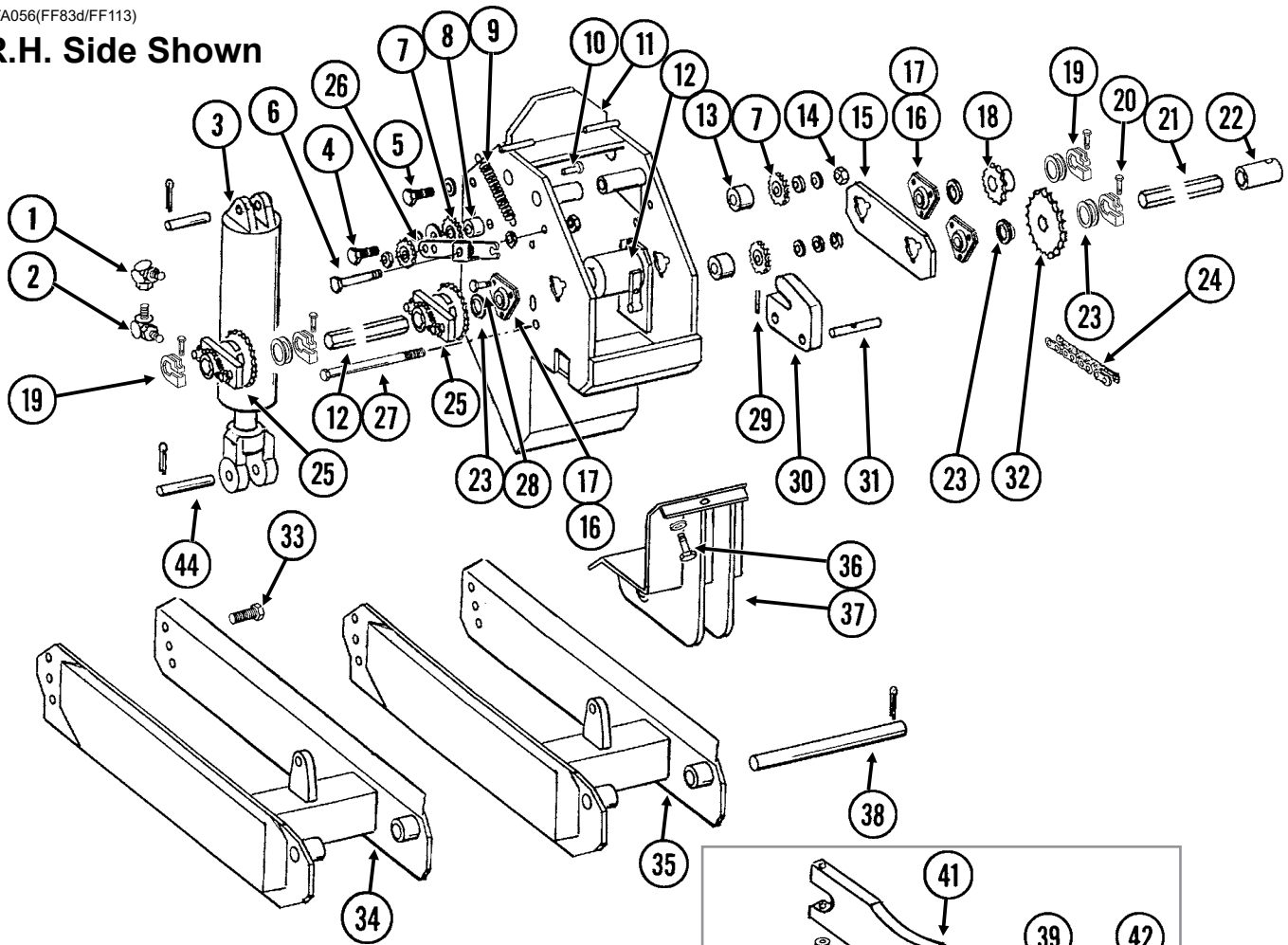


ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	GD13352	-	Tire, 36" x 16" x 17.5", 14 Ply, Tubeless (Specify Brand*)
2	GD9509	10	Outer Budd Nut
3	GA6738	-	Rim, 16" Deep
4	GD12567	10	Inner Budd Nut, 2 ⁵ / ₈ " Long
5	GA7434	1	Valve Stem
6	G10054	4	Hex Head Cap Screw, 5/ ₁₆ "-18 x 1/2"
7	GR2077	1	Hub Cap Gasket
8	GR2078	1	Hub Cap
9	GR2076	1	Cotter Pin, 5/ ₁₆ " x 4"
10	GR2072	1	Bearing Cone
11	GR2074	1	Washer, 4" x 2 ¹ / ₁₆ " x 1/4"
12	GR2075	1	Spindle Nut, 2 ¹ / ₂ "
13	GA16871	1	Hub W/Cups, Grease Fitting, and Stud Bolts (10 Bolt)
	GR2067	-	Bearing Cup
	GR2068	-	Bearing Cup
	GR2069	-	Stud Bolt, 3/ ₄ "-16 x 2 ³ / ₄ "
	GR2070	-	Self Tapping Grease Fitting, 1/ ₈ "-27
14	GR2071	1	Bearing Cone
15	GR2073	1	Grease Seal
16	GD24448	1	Spindle

* 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.

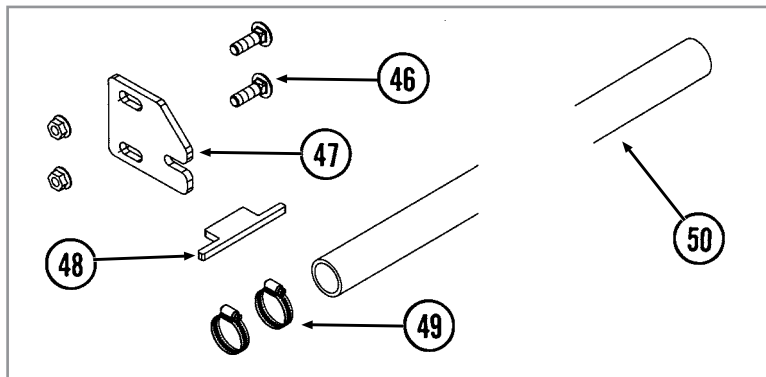
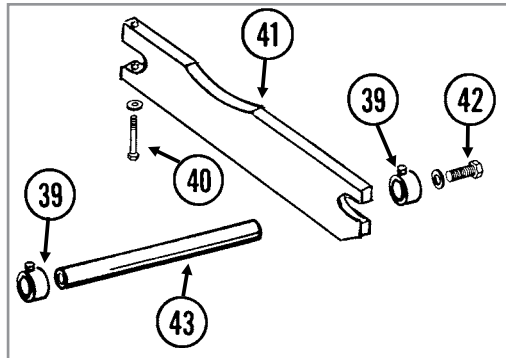
PFA056(FF83d/FF113)

R.H. Side Shown



Long Wheel Arm

Short Wheel Arm

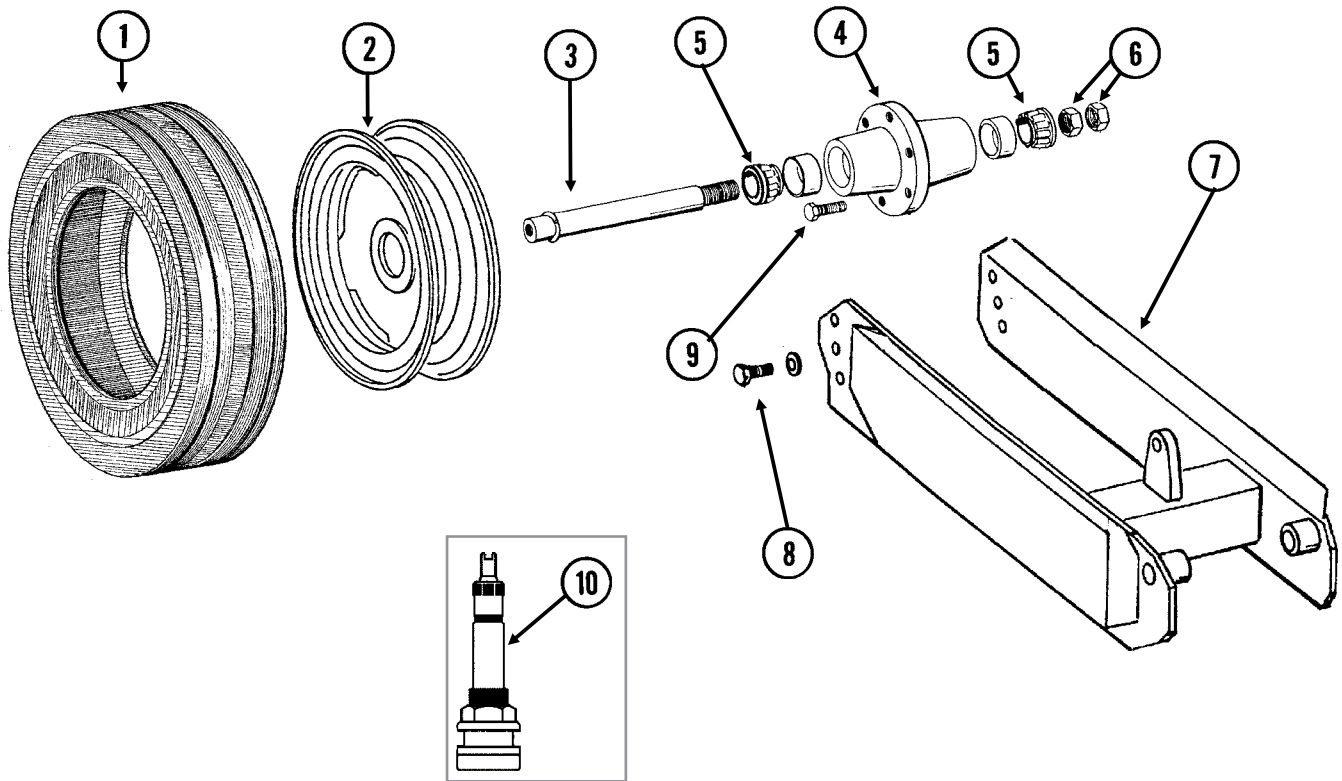


ITEM	PART NO.	QTY. (Per Machine)	DESCRIPTION
1	G6502-08	8	Swivel Elbow, 45°, ¾"-16 Male JIC To Female
2	G6801-08 GR1037	8 -	Elbow W/O-Ring, 90°, ¾"-16 Male JIC To O-Ring O-Ring
3	---	-	See "Master Cylinder" on page P88
4	G10397 G11389 G10111	4 4 4	Hex Head Cap Screw, ½"-13 x 2¾" Flat Washer, ½" SAE Lock Nut, ½"-13
5	---	-	See "Contact Wheel Assembly" on page P68
6	G10036 G10918 G10104 G10107	4 8 4 4	Hex Head Cap Screw, ⅝"-11 x 4" Machine Bushing, ⅝", 14 Gauge (If Applicable) Hex Nut, ⅝"-11 Lock Nut, ⅝"-11
7	GA7154	8	Sprocket W/Bearing, 18 Tooth
8	GB0258	4	Stepped Spacer, ⅞"
9	GD5857	4	Spring
10	G10860 G10166	4 4	Retaining Ring, ⅜" Clevis Pin, ⅜" x 1½"
11	*A20273	-	Wheel Tower (Non-Stock Item)
12	---	-	See "Point Row Clutch" on page P70
13	GD10637	8	Stepped Spacer, ½"
14	G10053 G10235 G10228 G10102	8 16 8 8	Hex Head Cap Screw, ½"-13 x 2½" Machine Bushing, ⅞", 14 Gauge Lock Washer, ½" Hex Nut, ½"-13
15	GD9482	2	Plate
16	G2100-03	-	Bearing, ⅞" Hex Bore, Spherical
17	G3400-01	-	Flangette
18	GA5113 GA5107	- -	Sprocket, 28 Tooth Sprocket, 19 Tooth
19	GD11045	-	Lock Clamp
20	G10130 G10923	- -	Square Head Machine Bolt, ⅝"-18 x 1¾" Flange Nut, ⅝"-18, No Serration
21	G10141001	1	Hex Shaft, 7/8" x 91"
22	---	-	See "Seed Rate Transmission and Driveline" on page P78
23	G10233	-	Machine Bushing, 1", 10 Gauge (As Required)
24	G3310-82 GR0912	- -	Chain, No. 40, 82 Pitch Including Connector Link Connector Link, No. 40
25	---	2	See "Ratchet/Sprocket Assembly" on page P77
26	GA9554 GA7154 G10017 G10128 G10501	4 - - - -	Idler W/Sprocket And Hardware, R.H. Sprocket W/Bearing, 18 Tooth Hex Head Cap Screw, ½"-13 x 1½" Machine Bushing, ½", 14 Gauge Hex Jam Nut, ½"-13, Grade 2
27	G10595 G10875 G11387 G10108	2 2 4 2	Hex Head Cap Screw, ⅝"-16 x 10" Hex Head Cap Screw, ⅝"-16 x 11" Flat Washer, ⅜" SAE Lock Nut, ⅜"-16
28	G10338 G10303 G10232 G10106	6 18 24 24	Carriage Bolt, ⅝"-18 x 1¼" Carriage Bolt, ⅝"-18 x 1" Lock Washer, ⅝" Hex Nut, ⅝"-18

Continued on the next page.

ITEM	PART NO.	QTY. (Per Machine)	DESCRIPTION
29	G10606	4-6	Spring Pin, 1/4" x 2"
30	GD9514	4-6	Cylinder Pivot Mount
31	GD9515	4-6	Cylinder Anchor Pin, 1" x 6"
32	GA5194	-	Sprocket, 50 Tooth
33	---		See "Ground Drive Tire Assembly" on page P67
34	GA18348	-	Long Wheel Arm W/Grease Fitting (Inner)
	G10640	-	Grease Fitting, 1/4"-28
35	GA8714	-	Short Wheel Arm W/Grease Fitting (Outer)
	G10640	-	Grease Fitting, 1/4"-28
36	G10006	-	Hex Head Cap Screw, 5/8"-11 x 2 1/4"
	G11391	-	Flat Washer, 5/8" SAE
	G10230	-	Lock Washer, 5/8"
	G10104	-	Hex Nut, 5/8"-11
37	GA7324	4	Bracket W/Grease Fittings
	G10640	-	Grease Fitting, 1/4"-28
38	GD11695	4-6	Pin, 1 1/4" x 1 3/4"
	G10610	8-12	Spring Pin, 3/8" x 2"
39	GD10686	-	Special Lock Collar, Less Set Screws
	G10145	-	Square Head Set Screw, 5/16"-18 x 1/2"
40	G10035	-	Hex Head Cap Screw, 1/2"-13 x 4"
	G10228	-	Lock Washer, 1/2"
41	GD10316	-	Plate, Special Row Spacing Only
42	G10017	-	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
	G10228	-	Lock Washer, 1/2"
43	GD10317	-	Shaft, Special Row Spacing Only
44	GD12585	8-10	Pin, 1 1/4" x 4 1/2"
	G10460	16-20	Cotter Pin, 1/4" x 2"
45	---	-	---
46	G10599	2	Carriage Bolt, 3/8"-16 x 1 1/4"
	G10622	2	Serrated Flange Nut, 3/8"-16
47	GD17023	1	Plate
48	GD14115	1	Catch
49	G10278	2	Hose Clamp, No. 16
50	GD13652-02	1	Pipe, 1" x 50"
A	G1K269	-	Lock Clamp Kit (Items 19 And 20)

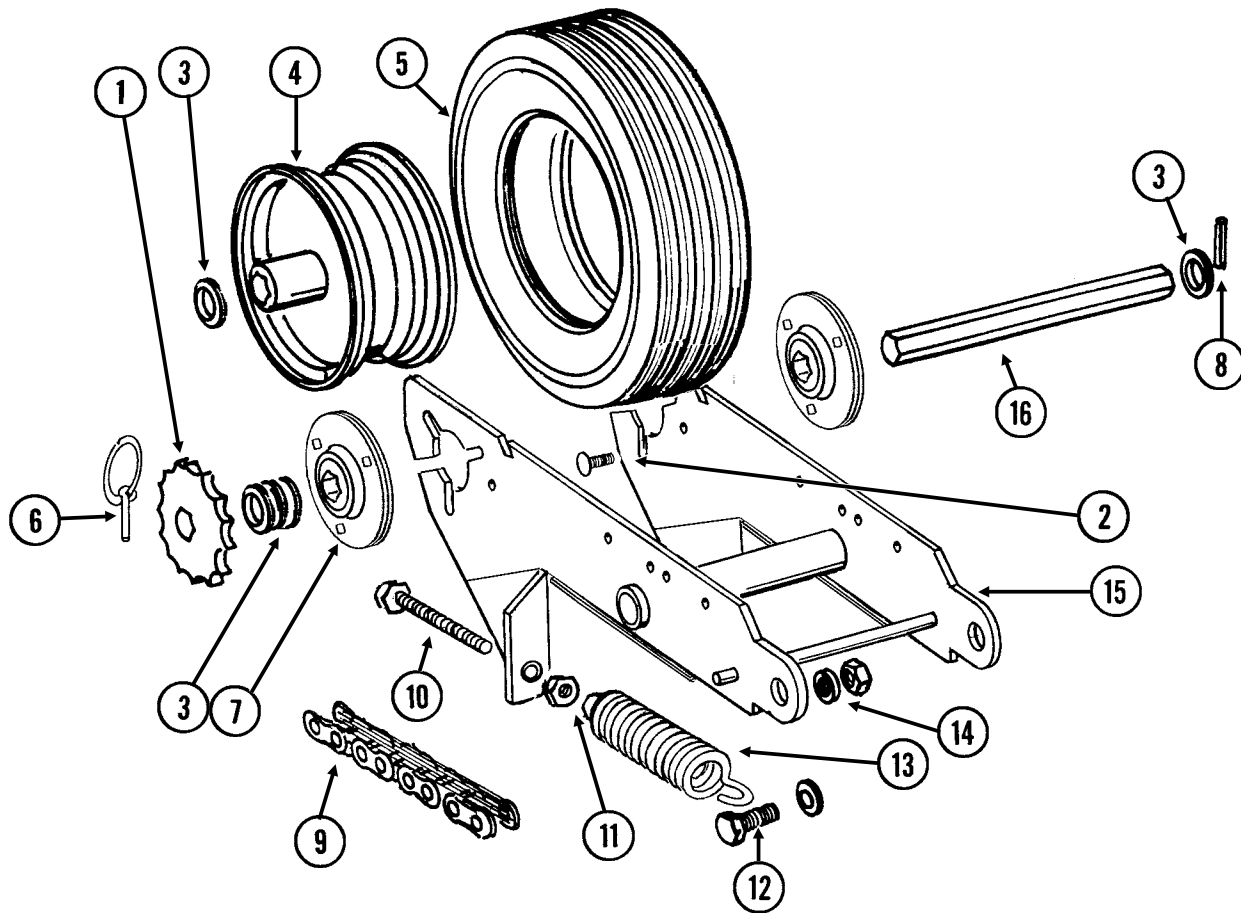
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ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	GD13409	-	Tire, 255-70R 22.5" W/O Center Rib, Tubeless (Specify Brand*)
2	GA9619	-	Rim, 5.5" x 22.5"
3	GA4376	1	Spindle W/Round External Retaining Ring, 10"
	GD11490	-	Round External Retaining Ring
	GD11458	-	Spindle (Sub GA4376)
4	GA24826	1	Hub W/Cups, 6 Bolt
	GR0434	-	Cup
5	GA24825	2	Bearing
6	G11081	2	Hex Jam Nut, 1½"-12, Grade 2
7	---	-	See "Wheel Module Assembly" on page P64
8	G10026	2	Hex Head Cap Screw, ¾"-10 x 2"
	G10231	2	Lock Washer, ¾"
9	GR0270	6	Lug Bolt, ⅝"-18
10	GA7434	-	Valve Stem
A	GA9620	-	Tire And Rim Assembly W/O Center Rib (Items 1, 2 And 10) (Specify Brand*)
B	GA24828	-	Hub And Spindle Assembly (Items 3-6)

*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.

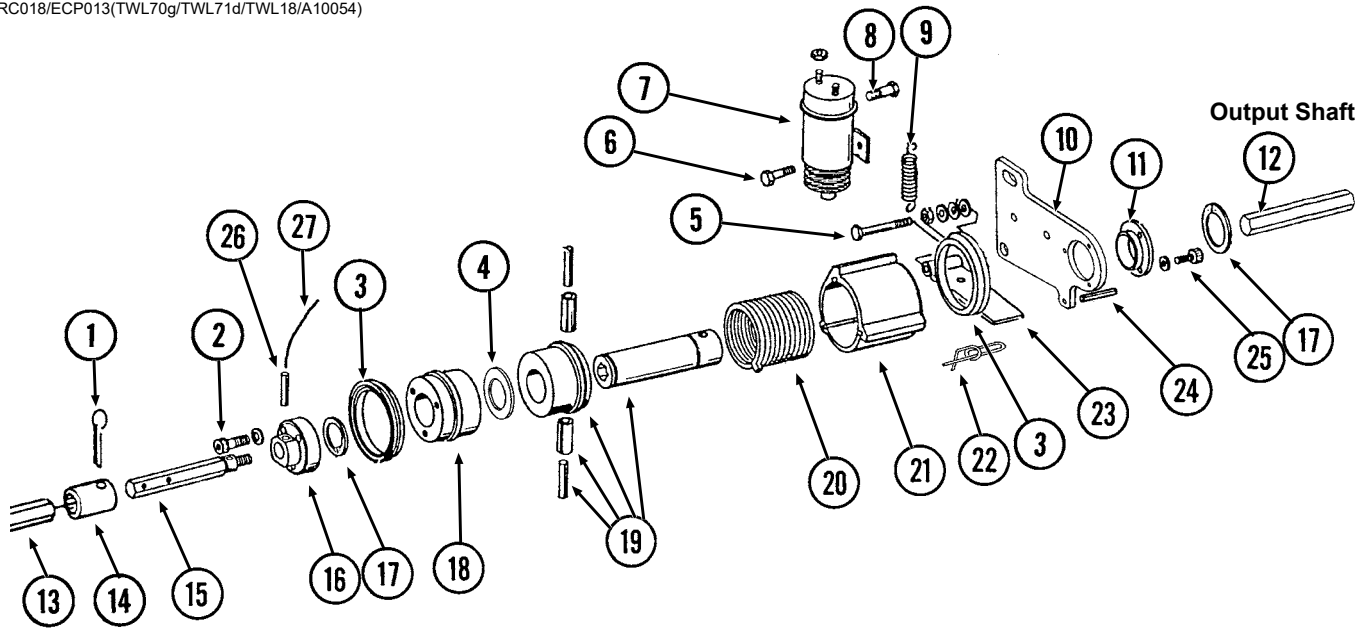
(FF43e)



ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	GA12192	1	Sprocket, 22 Tooth
	GA5113	-	Sprocket, 28 Tooth
	GA12191	-	Sprocket, 44 Tooth
	GA5105	-	Sprocket, 15 Tooth
2	G10303	6	Carriage Bolt, 5/16"-18 x 1"
	G10620	6	Serrated Flange Nut, 5/16"-18
3	G10233	-	Machine Bushing, 1", 10 Gauge (As Required)
4	GA3553	1	Rim, 3.75" x 8"
	GD6989	1	Sleeve
5	GD4700	1	Tire, 4.80" x 8", 4 Ply, Rib Implement (Specify Brand*)
	GD4701	-	Valve Stem
6	GD2558	1	Lynch Pin, 1/4"
7	GA9846	2	Flanged Bearing, 7/8" Hex Bore
8	G10602	2	Spring Pin, 1/4" x 1 1/2"
9	G3310-148	1	Chain, No. 40, 148 Pitch Including Connector Link (Used With 22 Tooth Sprocket)
	G3310-150	1	Chain, No. 40, 150 Pitch Including Connector Link (Used With 28 Tooth Sprocket)
	G3310-158	1	Chain, No. 40, 158 Pitch Including Connector Link (Used With 44 Tooth Sprocket)
	G3310-144	1	Chain, No. 40, 144 Pitch Including Connector Link (Used With 15 Tooth Sprocket)
	GR0912	-	Connector Link, No. 40
10	G10890	2	Hex Head Adjusting Bolt, 1/2"-13 x 4", Grade 2
11	G10501	2	Hex Jam Nut, 1/2"-13, Grade 2
12	G10008	2	Hex Head Cap Screw, 5/8"-11 x 2"
	G10235	4	Machine Bushing, 7/8", 14 Gauge
	G11391	2	Flat Washer, 5/8" SAE
	G10107	2	Lock Nut, 5/8"-11
13	GA2068	2	Spring W/Plug
14	GB0218	2	Bushing, 2 1/32" I.D. x 7/8" O.D. x 1 9/32" Long
15	GA7372	1	Wheel Arm
16	GD6775	1	Hex Shaft, 7/8" x 11 3/4" (2 Holes)
A	GA3552	-	Tire And Rim Assembly (Items 4 And 5) (Specify Brand*)

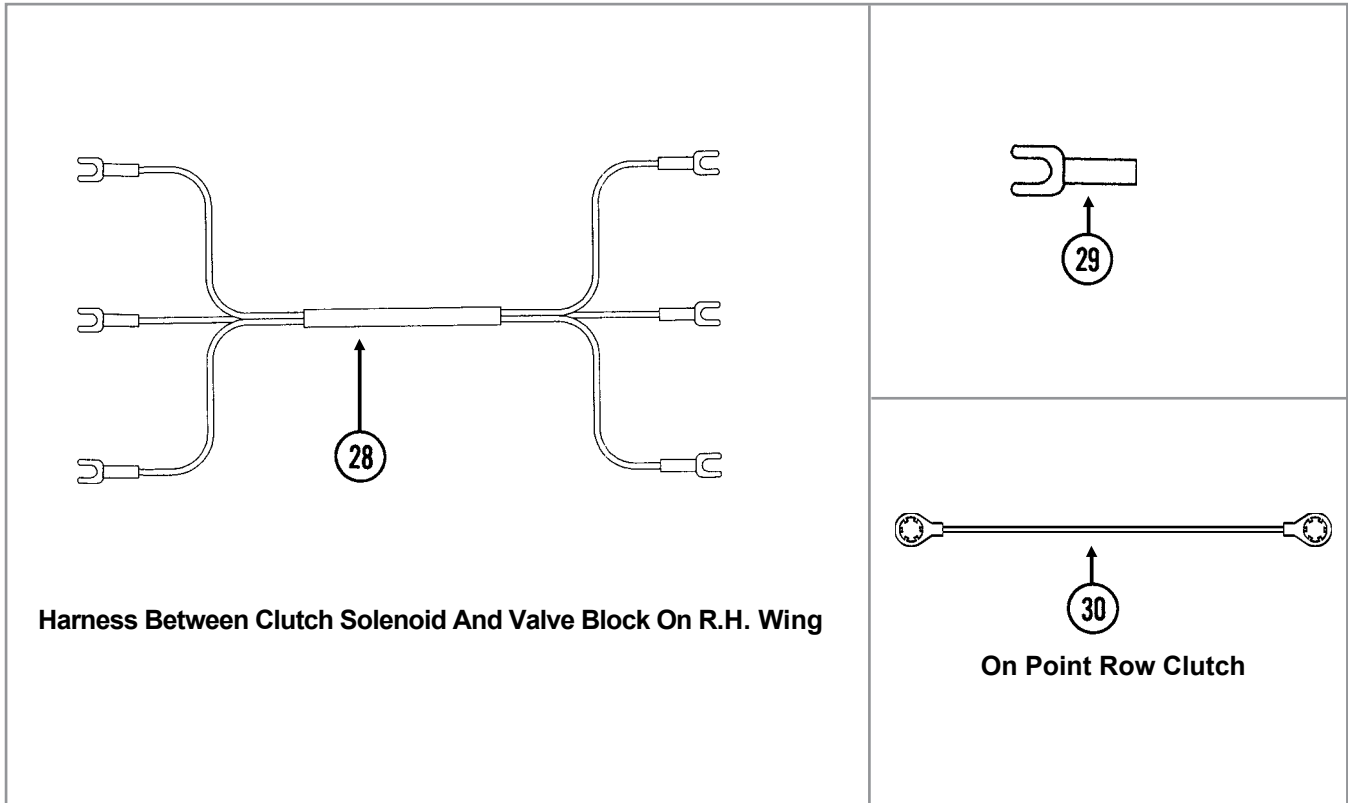
* Specific brand requests will be supplied only as available from current Kinze Repair Parts stock. If a specific brand requested is not in stock, the brand available will be supplied. Different brand tires may have different diameters. Change in tire brand may affect rates. Field checks are recommended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

PRC018/ECP013(TWL70g/TWL71d/TWL18/A10054)

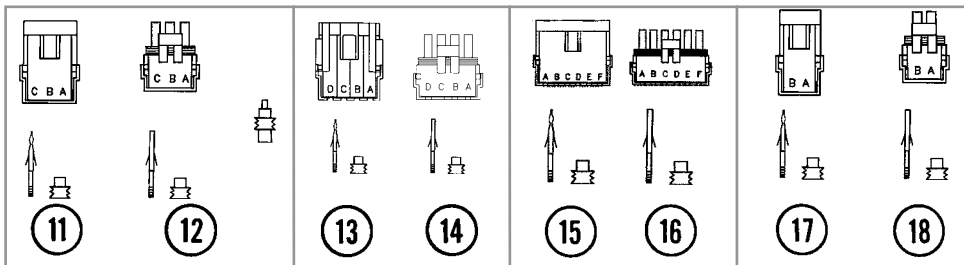
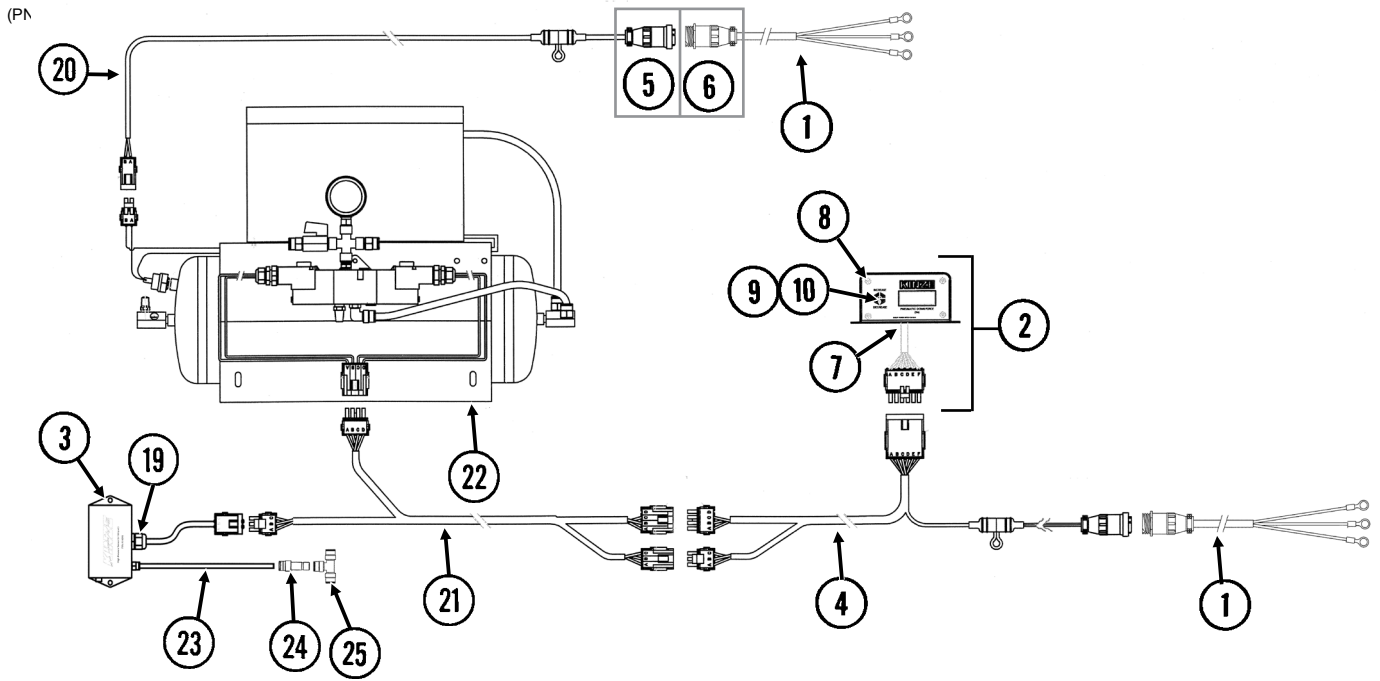


Input Shaft

Output Shaft

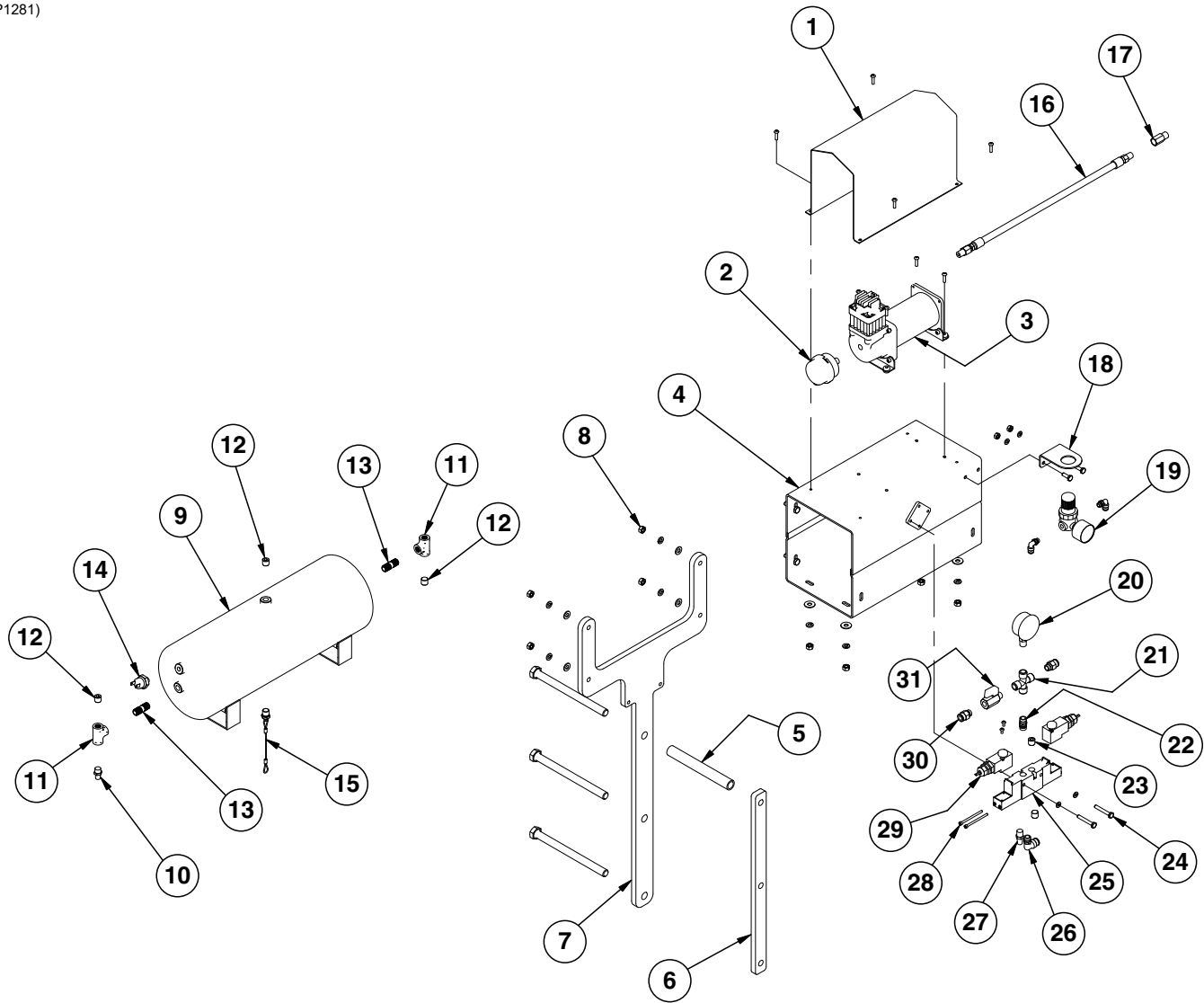


ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	G10460	1	Cotter Pin, 1/4" x 2"
2	G10374	3	Hex Socket Head Cap Screw, 1/4"-20 x 1"
	G10227	3	Lock Washer, 1/4"
3	GD14512	2	V-Ring Seal
4	GD14513	1	Felt Washer
5	G10049	1	Hex Head Cap Screw, 3/8"-16 x 2 1/2"
	G10101	1	Hex Nut, 3/8"-16
	G11387	1	Flat Washer, 3/8" SAE
	G10229	2	Lock Washer, 3/8"
	G10497	1	Hex Jam Nut, 3/8"-16, Grade 2
6	G10023	1	Hex Head Cap Screw, 1/4"-20 x 3/4"
	G10227	1	Lock Washer, 1/4"
	G10103	1	Hex Nut, 1/4"-20
7	GA8393	1	Solenoid Complete
	GR1306	1	Snap Ring
	GR1303	1	Spring
	GR1304	1	Boot
	GR1305	1	Plunger
8	G10900	1	Hex Socket Head Cap Screw, 1/4"-20 x 1 3/4", Grade 8
	G10227	1	Lock Washer, 1/4"
	G10103	2	Hex Nut, 1/4"-20
9	GD10123	1	Spring
10	GD10103	1	Mounting Plate
11	GD9667	1	Bushing
12	GD0914-10	1	Hex Shaft, 7/8" x 10" (No Holes)
13	GD0914-32	1	Hex Shaft, 7/8" x 32" (No Holes)
14	GD7867	1	Coupler, 3"
15	GD10068	1	Input Shaft, R.H. Threads
16	GD10070	1	Coupler W/R.H. Threads
17	G10496	2	External Inverted Snap Ring, 1 1/2"
18	GD10104	1	Input Hub
19	GA7137	1	Hub/Sleeve Assembly W/Spring Pins
	G10765	-	Spring Pin, 1/4" x 1"
	G10804	-	Spring Pin, 5/32" x 7/8"
20	GD9671	-	Spring, L.H.
21	GD10102	1	Stop Collar
22	GD11120	1	Rue Ring Cotter, 5/16"
23	GD10510	1	Actuator Arm
24	G10859	1	Spring Pin, 3/16" x 2 1/4"
25	G10253	3	Hex Socket Head Screw, No. 10-32 x 1/2"
	G10257	3	Lock Washer, No. 10
26	G10546	1	Spring Pin, 3/16" x 1 1/4"
27	GD13524-01	1	Lock Wire, 10", Stainless Steel
28	GA9479	1	Wiring Harness, 228", R.H. Side Of Machine
	GA9512	-	Wiring Harness, 516", L.H. Side Of Machine
29	G10996	-	Fork Terminal
30	GA10054	-	Ground Cable, Green
A	GA7111	-	Point Row Clutch Assembly, L.H. (Items 2-11, 15-27, and 30)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA17547	2	Power Lead Adapter
2	GA12644	1	Control Console Assembly
3	GA14846	1	High Pressure Sensor (0-120 PSI)
4	GA12645	1	Wiring Harness W/Fuse Holder And Fuse, 206"
	GD14258	-	Fuse Holder
	GD14660	-	Fuse, 2 Amp Delay Action
5	G1K268	-	Console Cable Connector Kit, Includes: (1) 3-Pin Connector, (1) Cable Clamp, (1) Lock Ring, (3) Female Terminal Pins
6	G1K267	-	Console Cable Connector Kit, Includes: (1) 3-Pin Connector, (1) Cable Clamp, (3) Male Terminal Pins
7	GA9963	1	Strain Relief
8	GR1292	4	Pan Head Screw, No. 8-32 x 1/2"
9	GR1363	1	Hex Face Nut, 15/32"-32
10	GA6978	1	Switch, 3 Position Toggle, ON-OFF-ON
11	G1K248	-	3-Pin Female Connector Kit (Black), Includes: (3) 3-Pin Female Housings, (9) Pin Contacts, (9) Seals
12	G1K252	-	3-Pin Male Connector Kit (Black), Includes: (3) 3-Pin Male Housings, (9) Socket Contacts, (9) Seals
13	GA8328	-	4-Pin Female Connector Kit, Includes: (1) 4-Pin Female Housing, (4) Pin Contacts, (4) Seals
14	GA8329	-	4-Pin Male Connector Kit, Includes: (1) 4-Pin Male Housing, (4) Socket Contacts, (4) Seals
15	G1K396	-	6-Pin Female Connector Kit (Black), Includes: (3) 6-Pin Female Housings, (18) Pin Contacts, (18) Seals
16	G1K395	-	6-Pin Male Connector Kit (Black), Includes: (3) 6-Pin Male Housings, (18) Socket Contacts, (18) Seals
17	G1K321	-	2-Pin Female Connector Kit (Black), Includes: (3) 2-Pin Female Housings, (6) Pin Contacts, (6) Seals
18	G1K320	-	2-Pin Male Connector Kit (Black), Includes: (3) 2-Pin Male Housings, (6) Socket Contacts, (6) Seals
19	GA9964	2	Strain Relief
20	GA16391	1	Wiring Harness W/Fuse Holder And Fuse, 40'
	GD14258	-	Fuse Holder
	GD18275	-	Fuse, 20 Amp
21	GA12669	1	Wiring Harness, 40'
22	---	-	See "Air Compressor and Dual Solenoid Assembly" on page P74
23	GD17151-06	1	Nylon Tubing, 1/4" O. D. x 1 1/2'
24	GD18796	1	Reducer, 3/8" To 1/4"
25	GD18010	1	Tee, 3/8" Tube Union

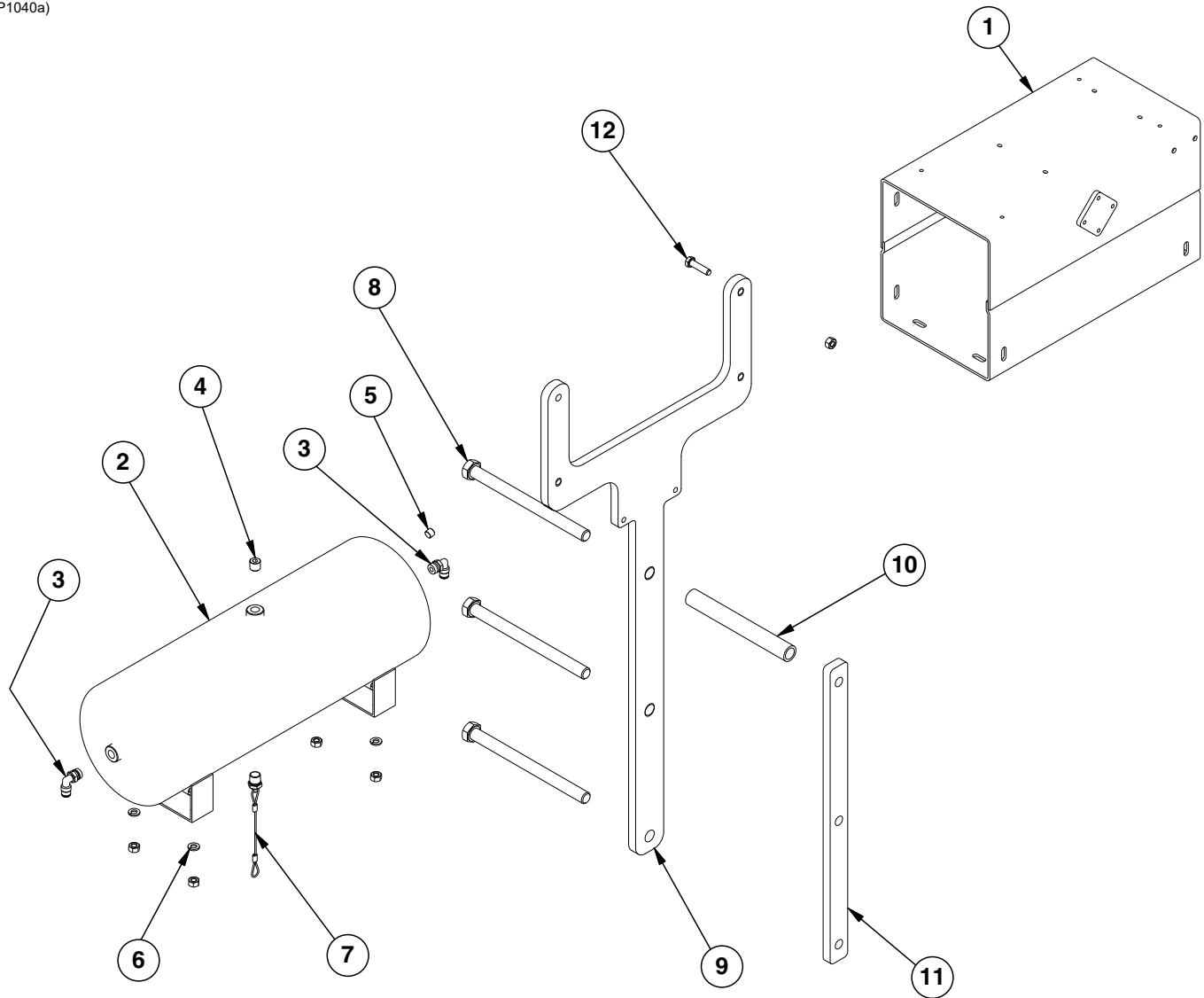
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ITEM	PART NO.	QTY.	DESCRIPTION
1	GD18112	1	Cover
	G11066	4	Phillips Pan Head Machine Screw, No. 10-24 x 3/4", Stainless Steel
	G10992	4	Serrated Flange Nut, No. 10-24
2	GA14127	1	Filter Assembly
	GR1943	-	Filter
3	GA12102	1	Air Compressor
	G11066	4	Phillips Pan Head Machine Screw, No. 10-24 x 3/4", Stainless Steel
	G10992	4	Serrated Flange Nut, No. 10-24
	GR2233		Vibration Isolator Gromet, 4 Pack
4	GA12358	1	Mount
	G10019	4	Hex Head Cap Screw, 5/16"-18 x 1"
	G10232	4	Lock Washer, 5/16"
	G11386	4	Flat Washer, 5/16" SAE
	G10106	4	Hex Nut, 5/16"-18
5	GD3180-33	1	Sleeve, 7"
6	GD18901	1	Tap Block, Long

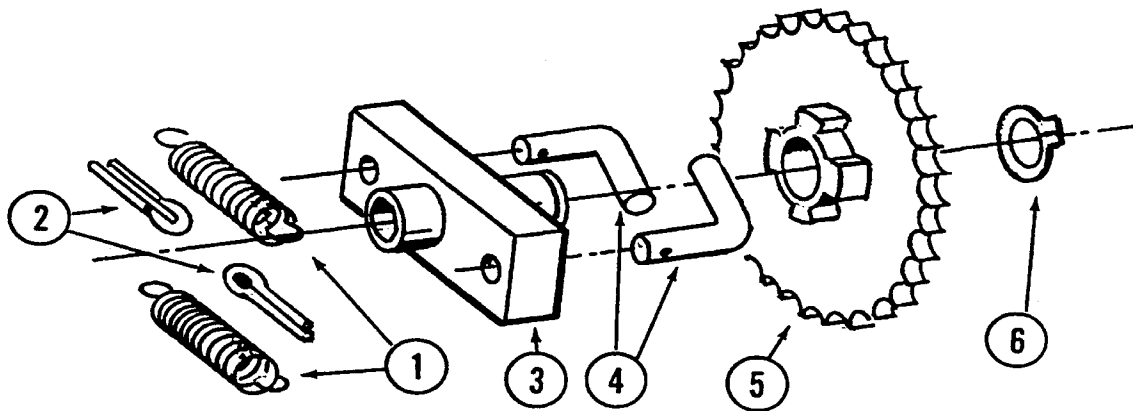
ITEM	PART NO.	QTY.	DESCRIPTION
7	GD20044	1	Compressor Mount
	G10341	3	Hex Head Cap Screw, 5/8"-11 x 8"
8	G10106	4	Hex Nut, 5/16"-18
	G10232	4	Lock Washer, 5/16"
	G11386	4	Flat Washer, 5/16" SAE
	G10171	4	Hex Head Cap Screw, 5/16"-18 x 1 1/4"
9	GA11988	1	Tank, 3 Gallon
10	GA13512	1	Valve Stem, 1/4" NPT
11	GD19237	2	Tee, 1/4" NPT
12	GD17156	3	Plug, 1/4" NPT
13	GD19238	2	Close Nipple, 1/4" NPT
14	GR1778	1	Pressure Switch
15	GA11991	1	Drain, 1/4" NPT
16	GR1951	1	Leader Hose without Check Valve
17	GR1921	1	Check Valve
18	GD18084	1	Regulator Bracket
	G10023	2	Hex Head Cap Screw, 1/4"-20 x 3/4"
	G10227	2	Lock Washer, 1/4"
	G10103	2	Hex Nut, 1/4"-20
19	GA12629	1	Mini Regulator W/Gauge
	GD19080	2	Elbow, 1/4" x 1/8" NPT Swivel
20	GA21405	1	Pressure Gauge
21	GD18078	1	Female Cross, 1/4" NPT
22	GD17154	1	Connector, 1/4" Male NPT
23	GD17156	2	Plug, 1/4" NPT
24	G10040	2	Hex Head Cap Screw, 1/4"-20 x 1 3/4"
	G10227	2	Lock Washer, 1/4"
25	GA11993	1	Block
26	GD17143	1	Swivel Elbow, 1/4" NPT x 3/8"
27	GA11997	1	Breather, 1/4" NPT
28	GR1952	4	Socket Head Cap Screw, #8-32 x 2"
	GR1953	4	O-Ring
	G10256	4	Lock Washer, No. 8
29	GA11994	2	Solenoid
	G11311	4	Phillips Pan Head Machine Screw
30	GD17141	2	Connector, 1/4" Male NPT
31	GA11992	1	Shutoff Valve, 1/4" NPT
A	GA12626	-	Air Compressor Assembly (Items 1-4 and 9-15)
B	GA11995	-	Dual Solenoid Assembly (Items 20-31) (only applicable with pneumatic down pressure option)
C	GR1783	-	Valve Seal Repair Kit

(IP1040a)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA12358	1	Compressor Mount
2	GA11988	1	Tank, 3 Gallon
3	GD17148	2	Male Connector, 1/4"
4	GD17156	1	Plug, 1/4" NPT
5	GD19079	1	Plug, 1/8" NPT
6	G10620	4	Serrated Flange Nut, 5/16"-18
	G10043	4	Hex Head Cap Screw, 5/16"-18 x 3/4"
7	GA11991	1	Drain, 1/4" NPT
8	G10341	3	Hex Head Cap Screw, 5/8"-11 x 8"
9	GD20044	1	Bracket
10	GD3180-33	1	Sleeve, 7"
11	GD18901	1	Tap Block, Long
12	G10171	4	Hex Head Cap Screw, 5/16"-18 x 1 1/4"
	G10620	4	Serrated Flange Nut, 5/16"-18

PTD016(TWL12)



ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	GD1256	2	Spring
2	G10453	2	Cotter Pin, 3/16" x 1"
3	GA0378	1	Block And Hub Assembly
4	GD1255	2	L-Pin
5	GA5165	1	Sprocket, 30 Tooth
6	G10430	1	External Retaining Ring, 1 1/4"
A	GA5164	-	Ratchet/Sprocket Assembly (Items 1-6)

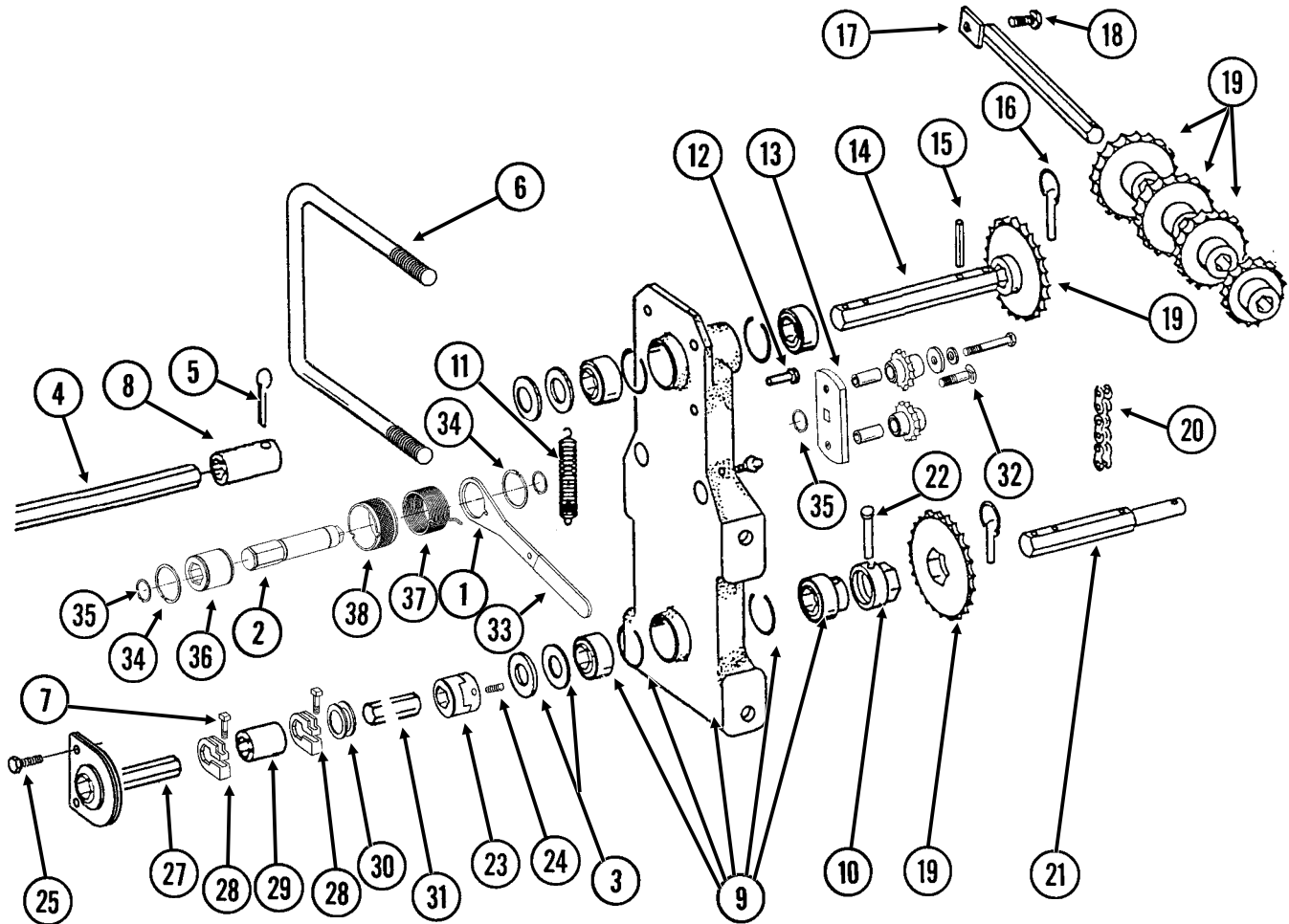
Seed Rate Transmission and Driveline

Model 3705

M0313-02

(FF42g)

R.H. Side Shown



ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	GD14431	1	Handle
2	GD14427	1	Tightener Shaft, 4 $\frac{3}{8}$ "
3	G10233	4	Machine Bushing, 1", 10 Gauge
4	---	-	See "Wheel Module Assembly" on page P64
5	G10460	1	Cotter Pin, 1/4" x 2"
6	GD1114	1	U-Bolt, 7" x 7" x 5/8"-11
	G10107	2	Lock Nut, 5/8"-11
7	G10130	2	Square Head Machine Bolt, 5/16"-18 x 1 3/4"
	G10923	2	Flange Nut, 5/16"-18, No Serration
8	GD7867	1	Coupler, 3"
9	GA5629	1	Transmission Plate W/Bearings, Grease Fittings And Retaining Rings
	GA5116	3	Bearing, 7/8" Hex Bore, Cylindrical
	GA5624	1	Special Bearing, 7/8" Hex Bore x 1.6"
	GD6551	4	Ring
	G10640	-	Grease Fitting, 1/4"-28
10	GD7127	1	Shear Coupler
11	GD5857	1	Spring
12	G10478	1	Clevis Pin, 5/16" x 1"
	G10409	1	Retaining Ring, 5/16"

Seed Rate Transmission and Driveline

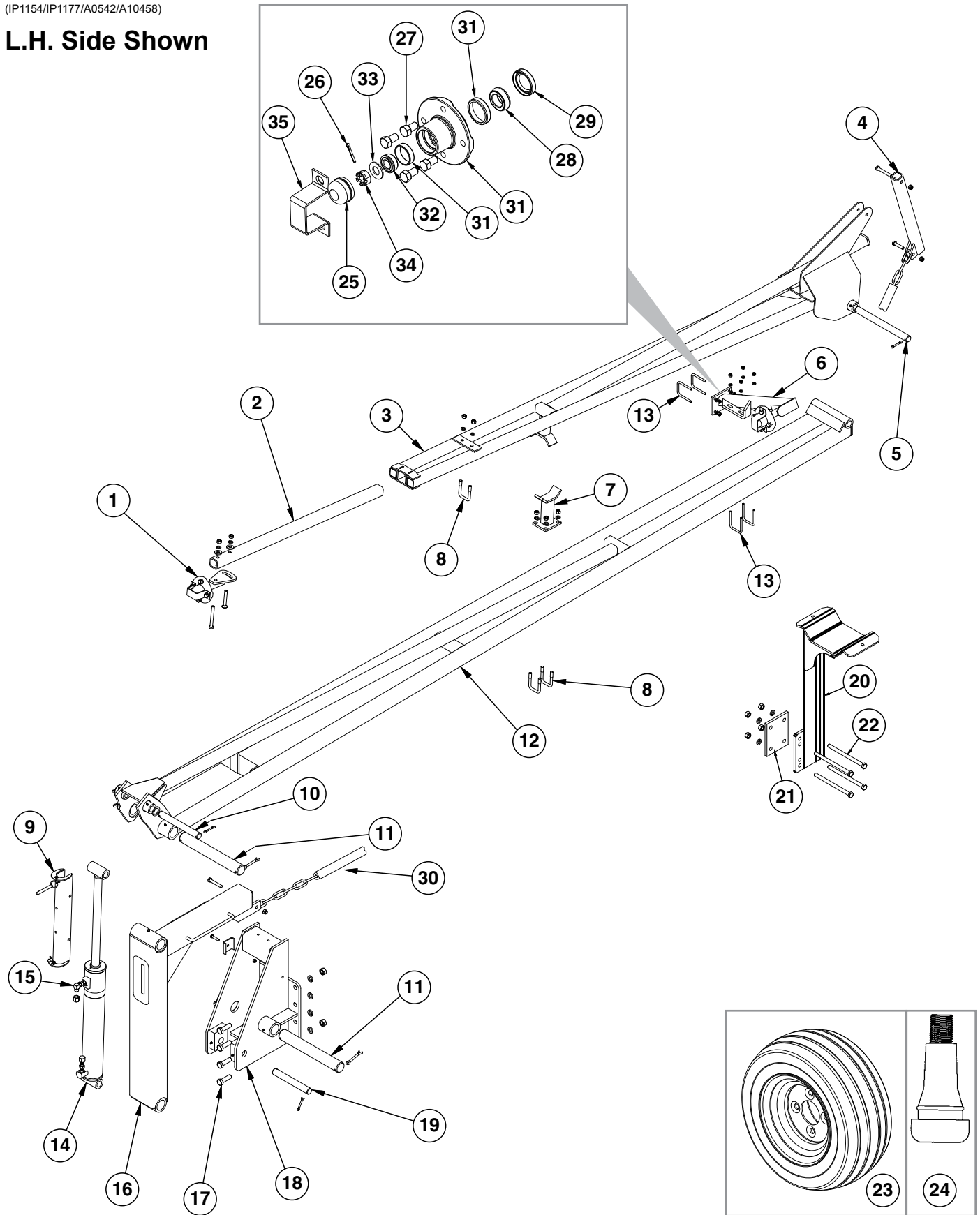
M0313-02

Model 3705

ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
13	GA7336	1	Idler W/Bolt-On Sprockets
	GD7426	-	Sprocket, 12 Tooth
	GD1026	-	Sleeve, 1 $\frac{3}{16}$ " Long
	G11387	-	Flat Washer, $\frac{3}{8}$ " SAE
	G10229	-	Lock Washer, $\frac{3}{8}$ "
	G10047	-	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 1 $\frac{3}{4}$ "
14	GD5835	1	Shaft, $\frac{7}{8}$ " x 7"
15	G10602	3	Spring Pin, $\frac{1}{4}$ " x 1 $\frac{1}{2}$ "
16	GD2558	3	Lynch Pin, $\frac{1}{4}$ "
17	GA5146	1	Sprocket Storage Rod
18	G10017	1	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x 1 $\frac{1}{2}$ "
	G10228	1	Lock Washer, $\frac{1}{2}$ "
	G10102	1	Hex Nut, $\frac{1}{2}$ "-13
19	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
	GA5112	1	Sprocket, 27 Tooth
	GA5113	1	Sprocket, 28 Tooth
20	G3310-80	1	Chain, No. 40, 80 Pitch Including Connector Link
	GR0912	-	Connector Link, No. 40
21	GD7822	1	Shaft, $\frac{7}{8}$ " x 7"
22	G10821	1	Clevis Pin, $\frac{3}{16}$ " x 2"
	G10455	1	Cotter Pin, $\frac{1}{16}$ " x $\frac{1}{2}$ "
23	GB0287	2	Coupler
24	G10131	4	Square Head Set Screw, $\frac{5}{16}$ "-18 x $\frac{3}{4}$ "
25	G10004	2	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 1 $\frac{1}{4}$ "
	G10229	2	Lock Washer, $\frac{3}{8}$ "
	G10101	2	Hex Nut, $\frac{3}{8}$ "-16
26	---	-	---
27	GD0914-152	-	Hex Shaft, $\frac{7}{8}$ " x 152" (No Holes), L.H. Side
	GD0914-152	-	Hex Shaft, $\frac{7}{8}$ " x 152" (No Holes), R.H. Side
28	GD11045	2	Lock Clamp
29	GD1719	1	Coupler, 4"
30	G10233	1	Machine Bushing, 1", 10 Gauge
31	GD0914-198	-	Hex Shaft, $\frac{7}{8}$ " x 198" (No Holes), R.H. and L.H. Sides
32	G11100	1	Hex Socket Button Head Cap Screw, $\frac{1}{4}$ "-20 x $\frac{1}{2}$ ", Grade 8
	G10227	1	Lock Washer, $\frac{1}{4}$ "
	G11453	1	Fender Washer, $\frac{1}{4}$ "
33	G11078	1	Vinyl Cap
34	G10496	2	External Inverted Snap Ring, 1 $\frac{1}{2}$ "
35	G11075	3	External Inverted Snap Ring, $\frac{7}{8}$ "
36	GD14432	1	Sleeve, 1 $\frac{1}{4}$ "
37	GD14413	-	Torsion Spring, L.H. (Shown)
	GD14414	1	Torsion Spring, R.H.
38	GD19343	1	Release Collar, R.H.(Shown)
	GD19344	-	Release Collar, L.H.
39	GD14427	1	Tightener Shaft, 4 $\frac{7}{8}$ "
40	GD14431	1	Handle
A	G1K269	-	Lock Clamp Kit (Items 7 And 28)
B	G1K378	1	Wrap Spring Wrench Replacement Kit, Blue Collar, R.H. (Items 32-40)
	G1K379	-	Wrap Spring Wrench Replacement Kit, Gray Collar, L.H. (Items 32-40)

(IP1154/IP1177/A0542/A10458)

L.H. Side Shown



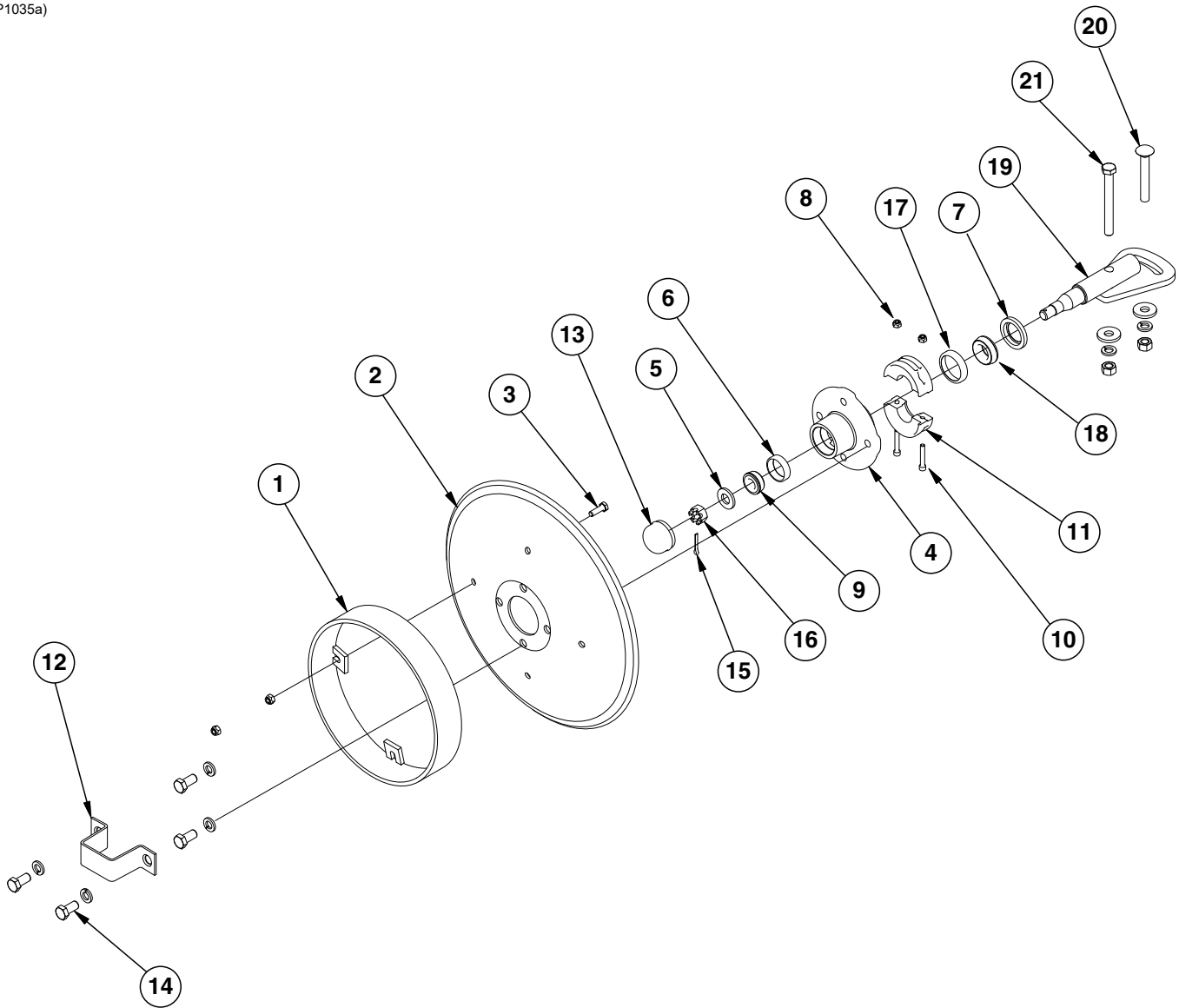
ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	---	1	See "Row Marker Spindle/Hub/Blade" on page P84
2	GD0453-07	1	Extension Tube, 45"
3	GA12686	1	Arm W/Grease Fittings, Third Stage
	G10640	-	Grease Fitting, 1/4"-28
4	GA6860	1	Control Arm
	G10581	1	Hex Head Cap Screw, 1/2"-13 x 2 1/4"
	G10111	3	Lock Nut, 1/2"-13
	G10033	1	Hex Head Cap Screw, 1/2"-13 x 3 1/2"
5	GD0704	1	Pin, 1 1/4" x 14"
	G10460	6	Cotter Pin, 1/4" x 2"
6	GA0160R	1	Support, R.H.
	GA0160L	-	Support, L.H. (Shown)
7	GA9101	1	Stop Weld
8	GD2721	3	U-Bolt, 2" x 2" x 1/2"-13
	G10228	2-8	Lock Washer, 1/2"
	G10102	2-8	Hex Nut, 1/2"-13
9	GA8172	1	Safety Lockup W/Detent Pins, 20"
	G10536	-	Detent Pin, 1/2" x 2 1/2" Grip
10	GD9964	1	Pin, 1 1/4" x 10 1/2"
	G10159	2	Washer, 1 7/8"
	G10460	2	Cotter Pin, 1/4" x 2"
11	GD0677	2	Pin, 2 1/8" x 15 3/4"
	G10461	4	Cotter Pin, 3/8" x 3"
12	GA12697	1	Arm W/Grease Fittings, Second Stage, 150"
	G10640	-	Grease Fitting, 1/4"-28
13	GD19212	4	U-Bolt, 2 1/2" x 3/8"-16
	G11387	4	Lock Washer, 3/8"
	G10108	4	Hex Nut, 3/8"-16
14	---	-	See "Row Marker (Cushion) Cylinder" on page P90
15	G6801-08	1	Elbow W/O-Ring, 90°, 3/4"-16 Male JIC To O-Ring
	G6400-08	1	Connector W/O-Ring, 3/4"-16 Male JIC To O-Ring
	GR1037	-	O-Ring
	G6400-08-04	2	Connector W/O-Ring, 3/4"-16 Male JIC To 7/16"-20 O-Ring
	GR1464		O-Ring
	G304-C-8		Cap Nut, 3/4"-16
16	GA6870	1	Arm, First Stage
	G10038	1	Hex Head Cap Screw, 1/2"-13 x 3"
17	G10027	8	Hex Head Cap Screw, 3/4"-10 x 2 1/2"
	G10231	8	Lock Washer, 3/4"
	G10105	6	Hex Nut, 3/4"-10
18	GA4031	1	Mount W/Grease Fittings
	G10640	-	Grease Fitting, 1/4"-28
	GD5875	1	Hose Clamp, 9/16" x 2 1/2" x 2"
	G10108	1	Lock Nut, 3/8"-16
	G10047	1	Hex Head Cap Screw, 3/8"-16 x 1 3/4"
19	GD10186	1	Pin, 1 1/4" x 9 1/2"
	G10460	2	Cotter Pin, 1/4" x 2"
	G10159	2	Washer, 1 7/8"
20	GA12434	1	Marker Tire Support
21	GD9622	1	Plate
22	G10152	4	Hex Head Cap Screw, 5/8"-11 x 9"
	G10104	4	Hex Nut, 5/8"-11
	G10230	4	Lock Washer, 5/8"

ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
23	GD0841	1	Tube Type Tire, 16" x 6.5" x 8" (Specify Brand*)
	GD1364	1	Tube (Not Shown)
	GA0246	1	Rim, T8 x 5.38" x 4
24	GA10458	1	Valve Stem
25	GD0840	1	Dust Cap
26	G10544	1	Cotter Pin, 5/32" x 1"
27	GD3248	4	Lug Bolt, 1/2"-20 x 1 1/4"
28	GA0245	1	Bearing
29	GD21540	1	Grease Seal
30	G3302-05	1	Coil Chain, No. 9/0, 79 Links
	GD10674-01	-	Nylon Cover, 141"
31	GA0167	1	Hub W/Cups, 4 Bolt
	GR0151	-	Outer Cup
	GR0150	-	Inner Cup
	GB0165	-	Hub, 4 Bolt
32	GA0257	1	Bearing
33	G11391	1	Flat Washer, 5/8" SAE
34	G10725	1	Slotted Hex Nut, 5/8"-18
35	GD2597	1	Retainer
A	GA0542	1	Tire And Rim Assembly (Item 23)

*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.

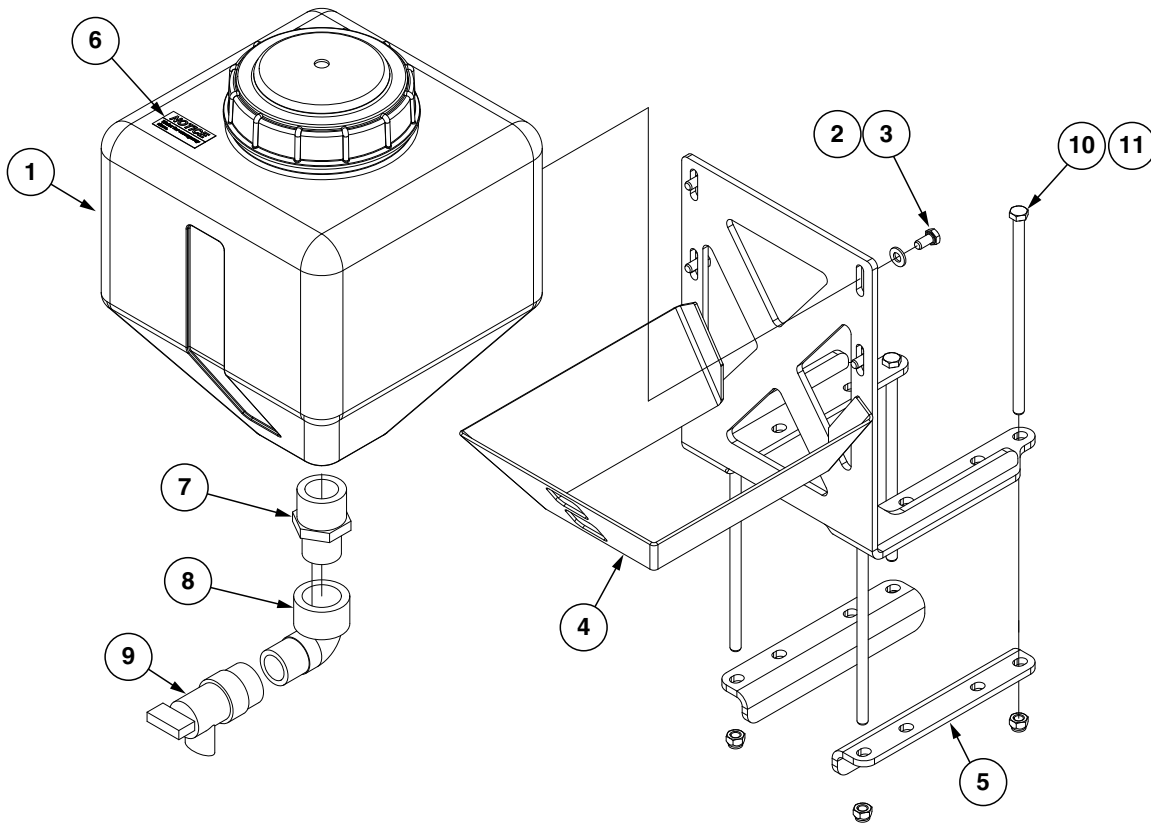
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(IP1035a)



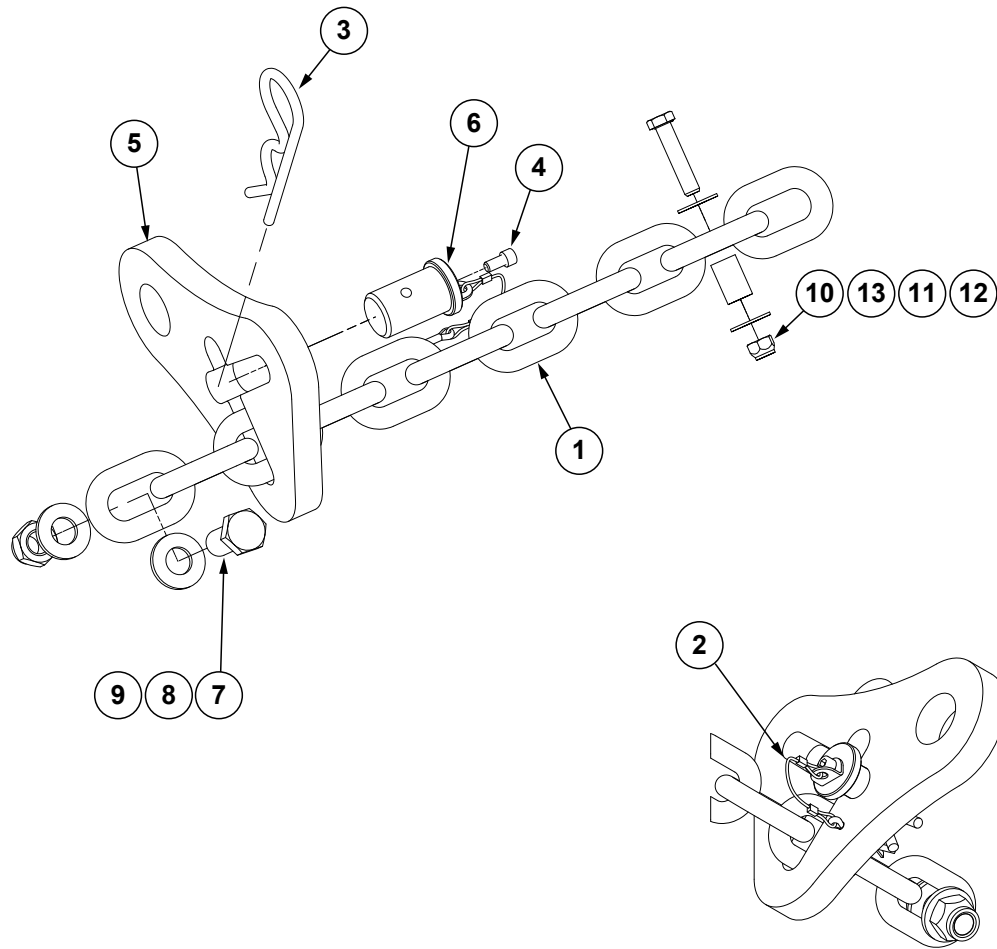
ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	GA5853	1	Depth Band
2	GD0746	1	Disc Blade, Solid, 16" (Shown)
	GD10283	-	Disc Blade, Notched, 16" (Optional)
3	G10019	4	Hex Head Cap Screw, 5/16"-18 x 1"
	G10109	4	Lock Nut, 5/16"-18, Grade 8
4	GA0167	1	Hub W/Cups, 4 Bolt (Includes Items 6 and 17)
5	G11391	1	Flat Washer, 5/8" SAE
6	GR0151	1	Outer Cup
7	GD21540	1	Grease Seal
8	G10110	2	Lock Nut, 1/4"-20, Grade B
9	GA0257	1	Bearing
10	G11418	2	Hex Socket Head Cap Screw, 1/4"-20 x 1 1/2"
11	GB0554	2	Hub Shield
12	GD2597	1	Retainer
13	GD0840	1	Dust Cap
14	G10722	4	Hex Head Cap Screw, 1/2"-20 x 1"
	G10228	4	Lock Washer, 1/2"
15	G10544	1	Cotter Pin, 5/32" x 1"
16	G10725	1	Slotted Hex Nut, 5/8"-18
17	GR0150	1	Inner Cup
18	GA0245	1	Bearing
19	GA15151	1	Spindle
20	G10844	1	Carriage Bolt, 1/2"-13 x 3 1/2"
	G10168	1	Machine Bushing, 1/2", 7 Gauge
	G10228	1	Lock Washer, 1/2"
	G10102	1	Hex Nut, 1/2"-13
21	G10045	1	Hex Head Cap Screw, 1/2"-13 x 4 1/2"
	G10168	2	Machine Bushing, 1/2", 7 Gauge
	G10228	2	Lock Washer, 1/2"
	G10102	2	Hex Nut, 1/2"-13
A	GA13719	-	Hub And Spindle Assembly, (Items 4-7, 9, and 12-19)

A21003



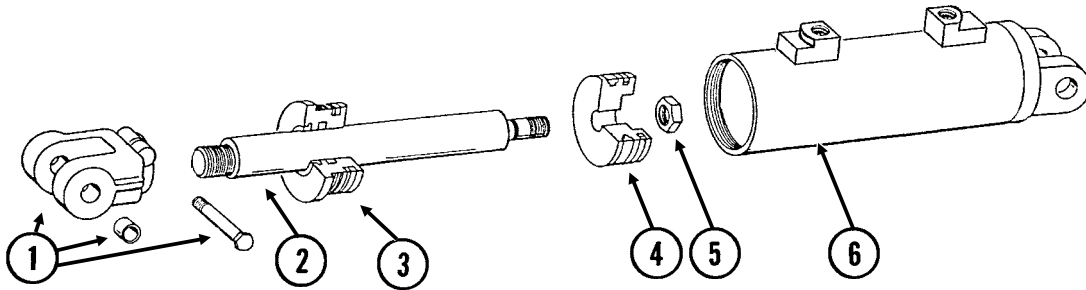
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD30723	1	4 Gallon Water Tank W/Lid
2	G11386	4	Flat Washer, 5/16" SAE
3	G10018	4	Hex Head Cap Screw, 5/16"-18 x 5/8"
4	GA21002	1	Water Tank Mount
5	GD30221	2	Water Tank Mount Brackets
6	G10383201	1	Decal, Notice
7	G10727	1	Reducing Nipple, 1-1/4" x 1"
8	G11742	1	1" NPT 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

(A25017)



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, 5/8"-11 x 1½"
8	G11391	2	Flat Washer, 5/8" SAE
9	G10107	1	Lock Nut, 5/8"-11
10	G10108	1	Lock Nut, 3/8"-16
11	GD8893-07	1	Sleeve, 1" Long
12	G10047	1	Hex Head Cap Screw, 3/8"-16 x 1¾"
13	G10210	2	Washer, 3/8" USS
A	G9948X	-	3/8" Transport Safety Chain Package (Items 1-13)

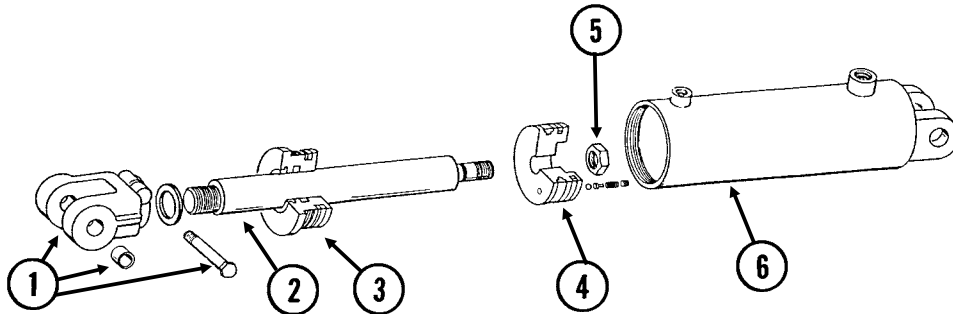
(CYL33d)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA8130	1	Clevis W/Bushings, Hex Head Cap Screw And Hex Nut
	GD11751	2	Steel Bushing, 1" Wide
	G10939	1	Hex Head Cap Screw, 3/8"-16 x 2 1/4"
	G10101	1	Hex Nut, 3/8"-16
2	GD12521	1	Rod
3	GD12522	1	Gland
4	GD12525	1	Piston
5	G10958	1	Lock Nut, 1"-14
6	*A8927	1	Barrel (Non-Stock Item)
A	GA8928	-	Cylinder Complete, 4 1/2" x 10" (<i>Part Number Stamped On Barrel</i>)
B	GR1530	-	Seal Kit, Includes: (1) Wiper, (1) U-Cup, (2) O-Rings, (1) BU Ring, (2) Cast Iron Rings, (1) Seal, (1) Energizer

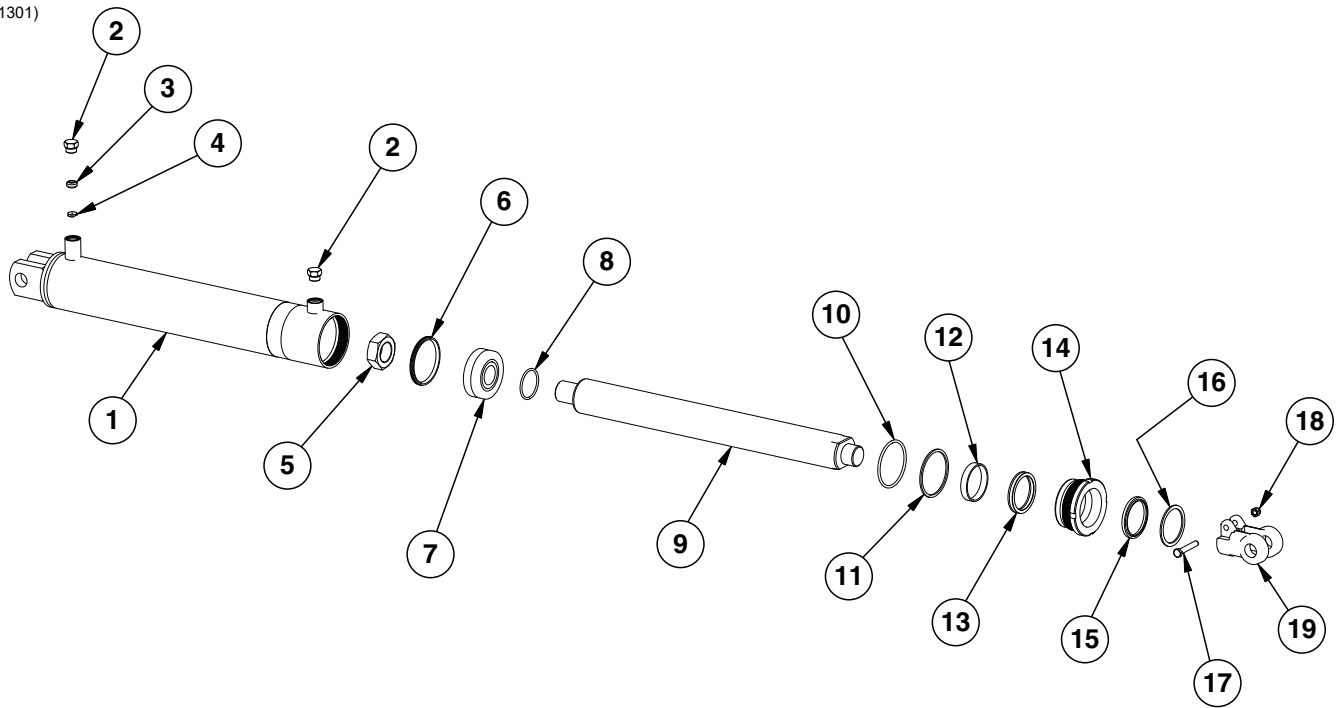
Slave Cylinder

CYL055(CYL15d)



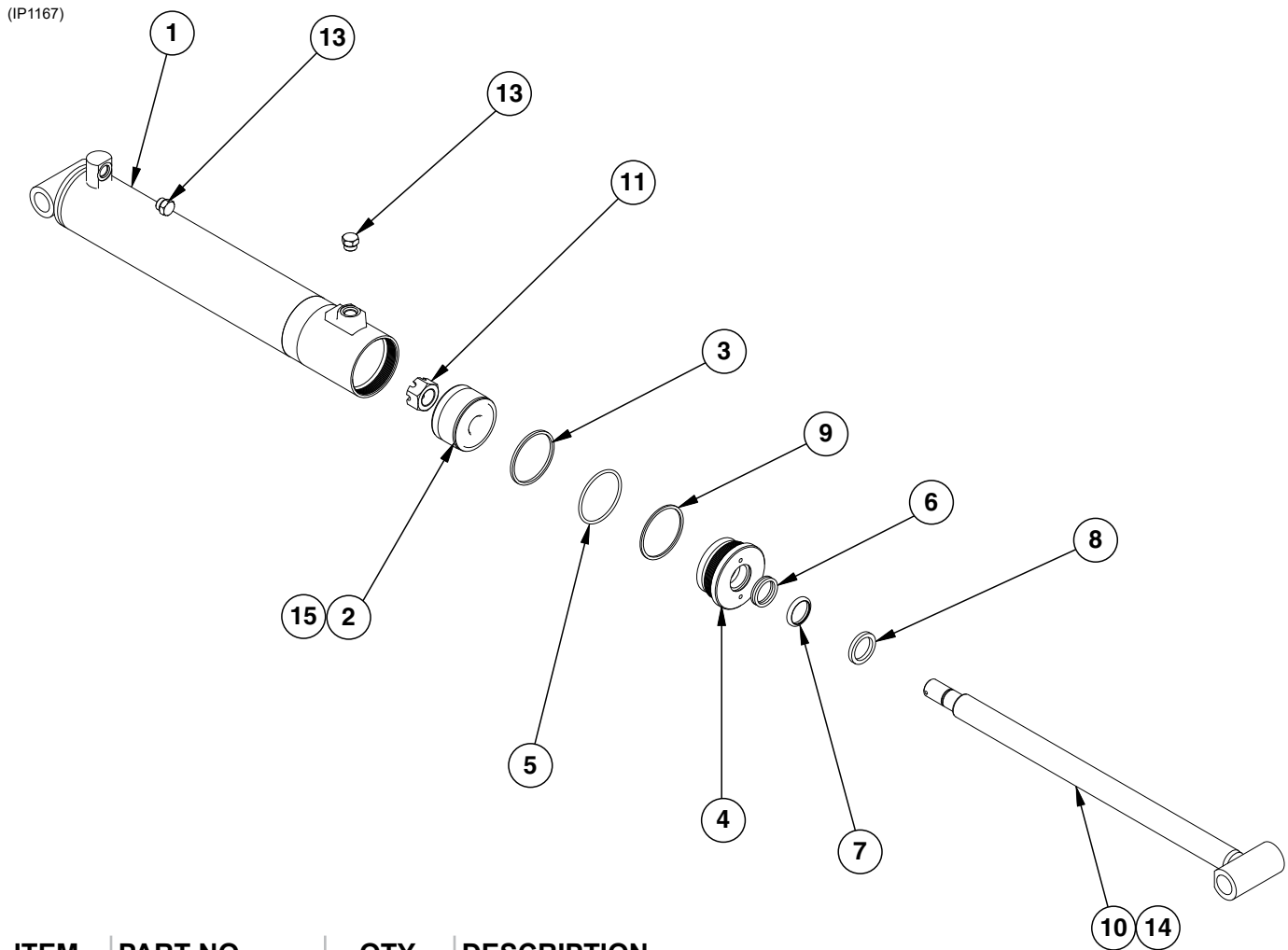
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA8130	1	Clevis W/Bushings, Hex Head Cap Screw And Hex Nut
	GD11751	2	Steel Bushing, 1" Wide
	G10939	1	Hex Head Cap Screw, 3/8"-16 x 2 1/4"
	G10101	1	Hex Nut, 3/8"-16
2	GD12564	1	Rod
3	GD12572	1	Gland
4	GA8962	1	Piston W/Rephasing Valve
	GR1169	-	Rephasing Valve Replacement Kit (Set Screw, Guide, 2 Springs And Ball)
5	G10958	1	Lock Nut, 1"-14
6	*A8960	1	Barrel (Non-Stock Item)
A	GA8961	-	Cylinder Complete, 4 3/4" x 20" (<i>Part Number Stamped On Barrel</i>)
B	GR1546	-	Seal Kit, Includes: (1) Wiper, (1) U-Cup, (2) O-Rings, (1) BU Ring, (2) Cast Iron Rings, (1) Seal, (1) Energizer

(IP1301)



ITEM	PART NO.	QTY.	DESCRIPTION
1	*A8969	1	Barrel (Non-Stock Item)
2	G6408-08	2	Plug W/O-Ring, 3/4"-16 O-Ring
3	G10987	1	Hollow Lock Screw, 3/4"-16 x 3/8"
4	GD12589	1	Orifice Plate
5	G10087	1	Hex Jam Nut, 1 1/2"-12, Grade 2
6	*D12280	1	T-Seal
7	GD20991	1	Piston
8	*D20990	1	O-Ring
9	GD20989	1	Rod
10	*D12231	1	O-Ring
11	*D12232	1	Backup Ring
12	*D12137	1	Wear Ring
13	*D12264	1	U-Cup
14	GD20988	1	Gland
15	*D12263	1	Wiper
16	*D12121	1	Ring
17	G10939	1	Hex Head Cap Screw, 3/8"-16 x 2 1/4"
18	G10108	1	Lock Nut, 3/8"-16
19	GD11951	1	Clevis
A	GA14697	-	Cylinder Complete, 3 1/2" x 20" (<i>Part Number Stamped On Barrel</i>)
B	GR1962	1	Seal Kit, Includes: (1) Wiper, (1) U-Cup, (2) O-Rings, (1) Backup Ring, (1) T-Seal, (1) Wear Ring, (1) Ring

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

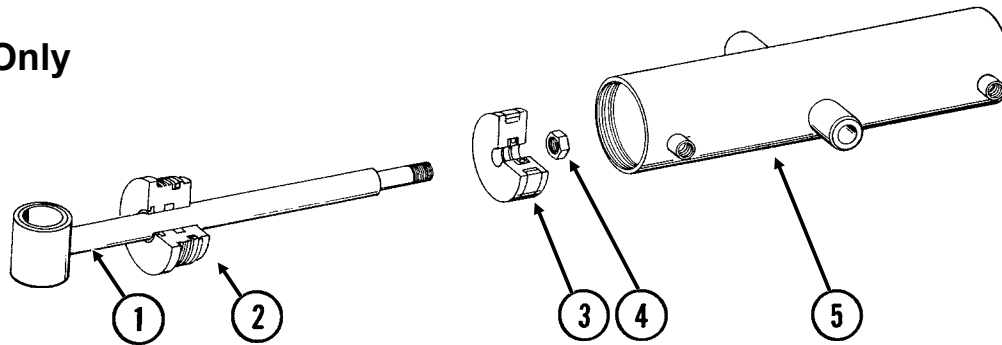


ITEM	PART NO.	QTY.	DESCRIPTION
1	*A8950	1	Barrel (Non-Stock Item)
2	GD12550	1	Piston, 3½"
3	*D12088	1	Piston Ring
4	GD12548	1	Gland
5	GD12231	1	O-Ring, No. 338
6	*D12252	1	U-Cup
7	*D12206	1	Wiper
8	GD12103	1	Ring
9	*D12232	1	Back-up Ring
10	GA8948	1	Rod Assembly
11	G10948	1	Lock Nut, 1½"-12
12	---	-	---
13	G6408-08	2	Plug W/O-Ring, ¾"-16 O-Ring
	GR1037	-	O-Ring
14	*D12245	1	O-Ring, #122
15	*D12280	1	T-Seal
A	GA8951	-	Cylinder Complete, 3½" x 20" (Part Number Stamped On Barrel)
B	GR1532	-	Seal Kit, Includes: (2) O-Rings, (1) U-Cup, (1) Wiper, (1) T-Seal, (1) BU Ring, (1) Cast Iron Ring

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

(CYL17a)

R.H. Side Only

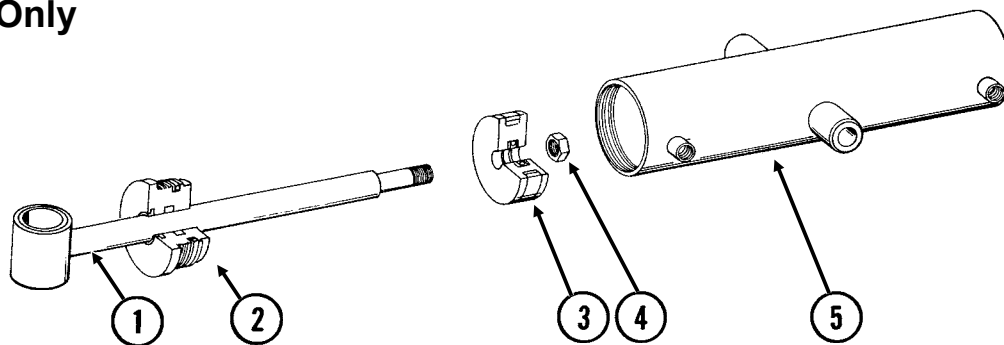


ITEM	PART NO.	QTY.	DESCRIPTION
1	GA8910 G10640	1 -	Rod Assembly W/Grease Fitting Grease Fitting, 1/4"-28
2	GD11988	1	Gland
3	GD11997	1	Piston
4	G10958	1	Lock Nut, 1"-14
5	*A8300	1	Barrel (Non-Stock Item)
A	GA8906	-	Cylinder Complete, 4" x 13 5/8" (<i>Part Number Stamped On Barrel</i>)
B	GR1525	-	Seal Kit, Includes: (2) O-Rings, (1) BU Ring, (1) U-Cup, (1) Wiper, (1) T-Seal

Helper Cylinder

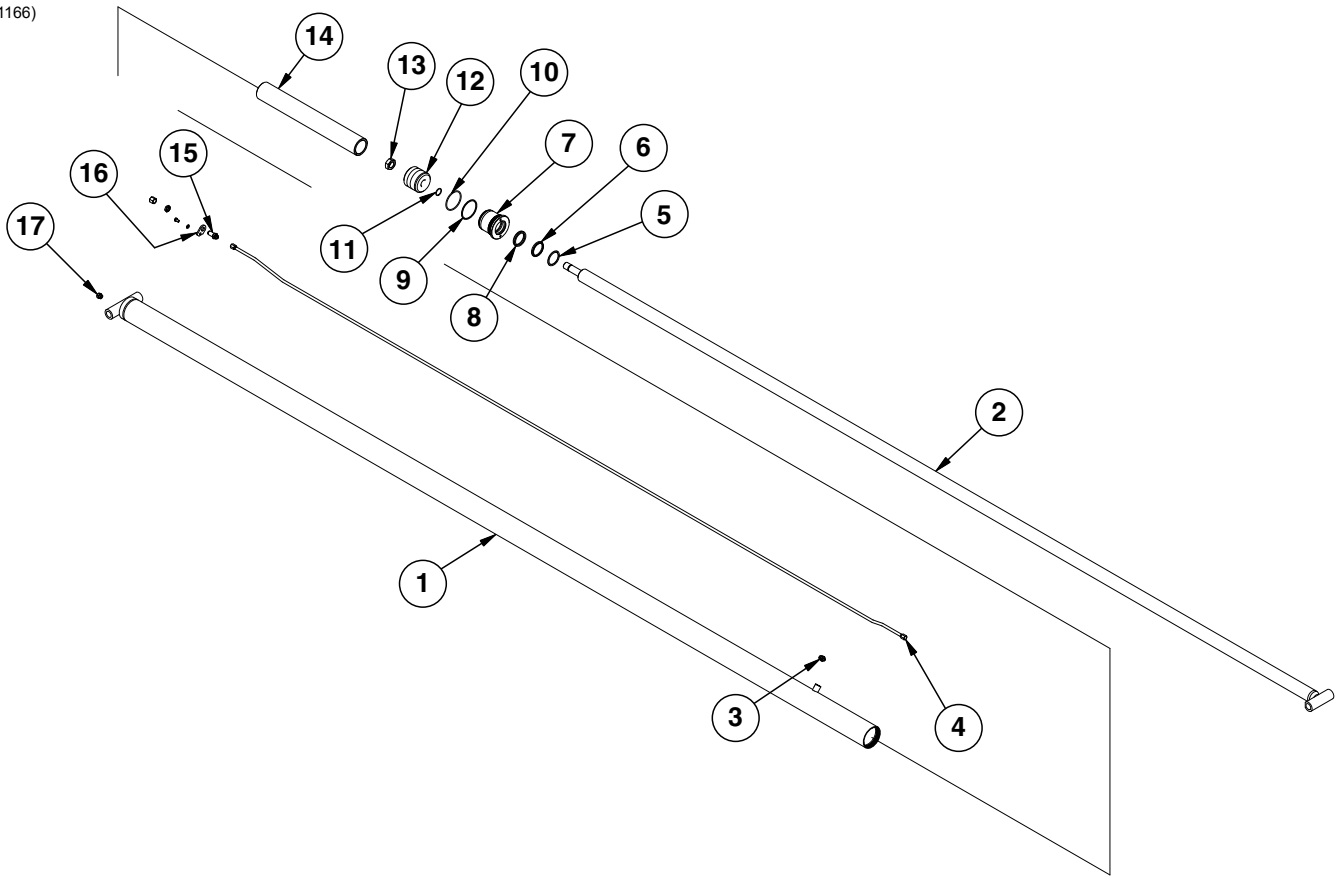
CYL055(CYL17a)

L.H. Side Only



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA8907 G10640	1 -	Rod Assembly W/Grease Fitting Grease Fitting, 1/4"-28
2	GD11988	1	Gland
3	GD11997	1	Piston
4	G10958	1	Lock Nut, 1"-14
5	*A6852	1	Barrel (Non-Stock Item)
A	GA8905	-	Cylinder Complete, 4" x 15 5/32" (<i>Part Number Stamped On Barrel</i>)
B	GR1525	-	Seal Kit, Includes: (2) O-Rings, (1) BU Ring, (1) U-Cup, (1) Wiper, (1) T-Seal

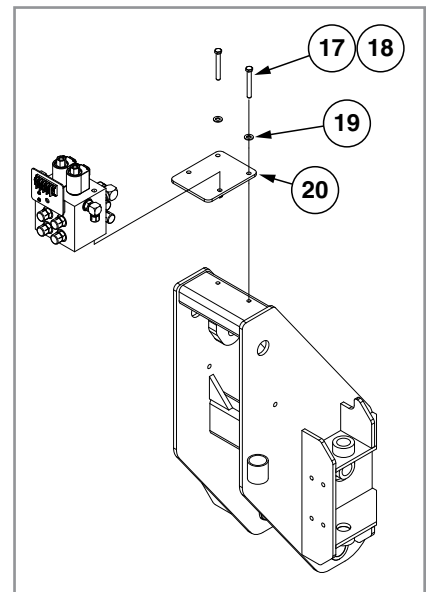
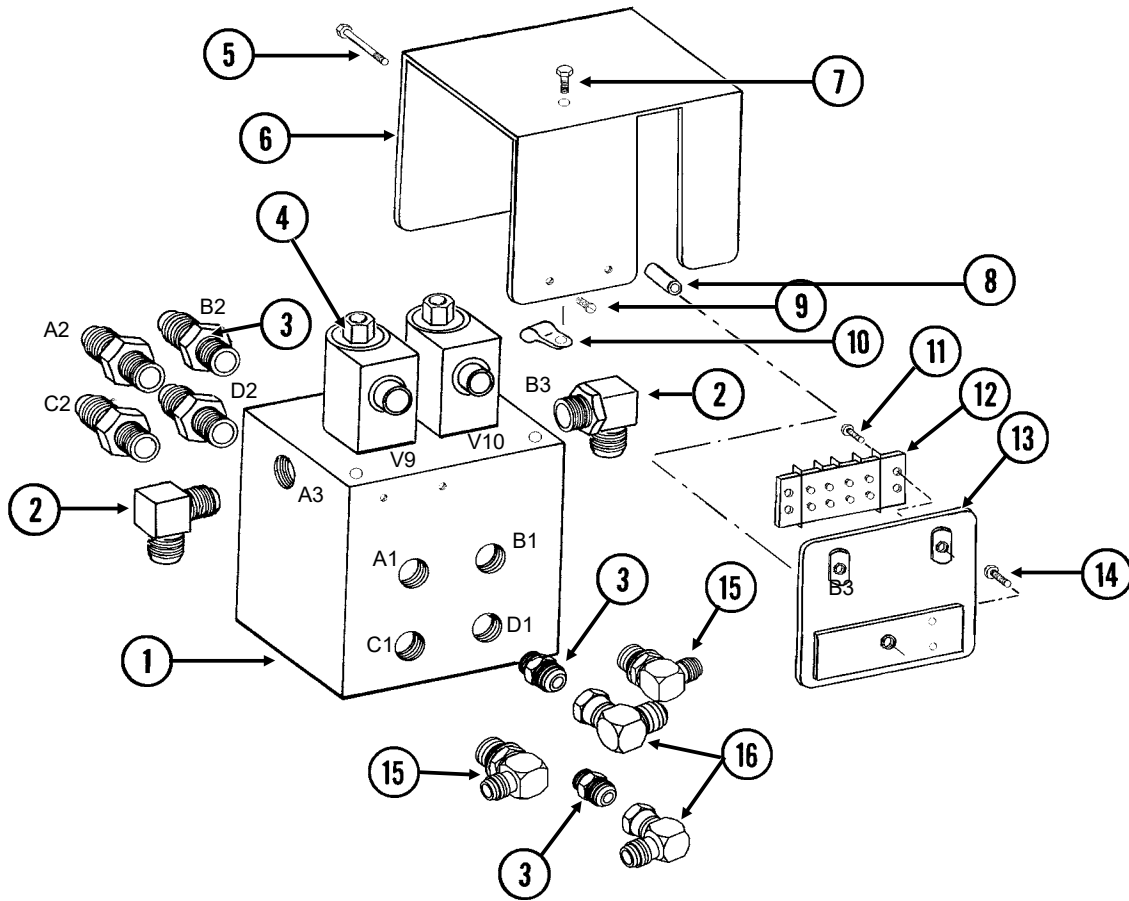
(IP1166)



ITEM	PART NO.	QTY.	DESCRIPTION
1	*A9582	1	Barrel (Non-Stock Item)
2	GA9580	1	Rod Assembly
3	G6400-08-04 GR1465	1 -	Connector W/O-Ring, 3/4"-16 Male JIC To 7/16"-20 O-Ring O-Ring
4	GA10146 G11089	1 1	Steel Hydraulic Line, 178 1/4" Hose Clamp
5	GD12121	1	Ring, 2 1/2"
6	*D12263	1	Wiper Rod
7	GD13448 GD12137	1 1	Gland Wear Ring
8	*D12264	1	U-Cup
9	*D12222	1	Back-Up Ring No. 342
10	*D12221	1	O-Ring, No. 342
11	*D12204	1	O-Ring, No. 218
12	GD13449 *D12265 *D12120 *D12119	1 1 2 1	Piston Expander Wear Ring Piston Seal
13	G10972	1	Lock Nut, 1 1/4"-12
14	GD13456	1	Spacer
15	G2700-08 G306-08 G304-C-8	1 1 1	Bulkhead Tube Union, 3/4"-16 Male JIC Lock Nut, 3/4"-16 Cap Nut, 3/4"-16
16	GD13643 G10328 G10229	1 1 1	Bracket Hex Head Cap Screw, 3/8"-16 x 5/8" Lock Washer, 3/8"
17	G6408-08 GR1037	1 1	Plug W/O-Ring, 3/4"-16 O-Ring O-Ring
A	GA9583	-	Cylinder Complete, 4" x 162" (Part Number Stamped On Barrel)
B	GR1599	-	Seal Kit, Includes: (2) O-Rings, (1) BU Ring, (3) Wear Rings, (1) Piston Seal, (1) U-Cup, (1) Wiper, (1) Expander

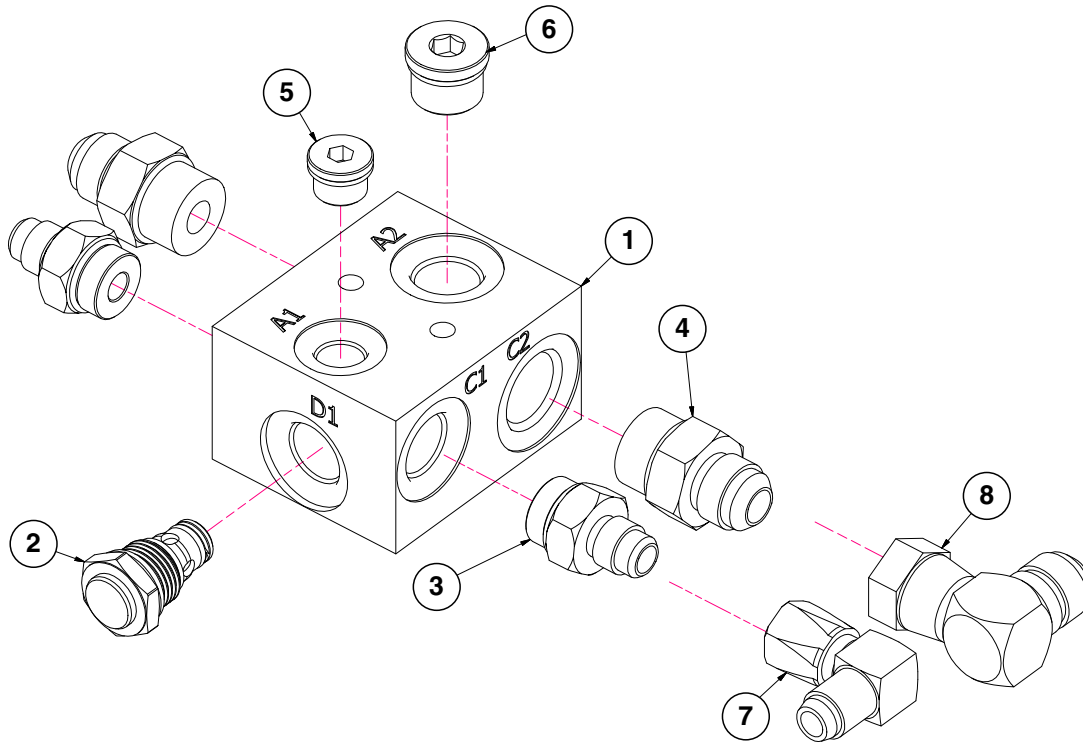
*Item is part of seal kit, item can not be purchased individually.

(FF19c)



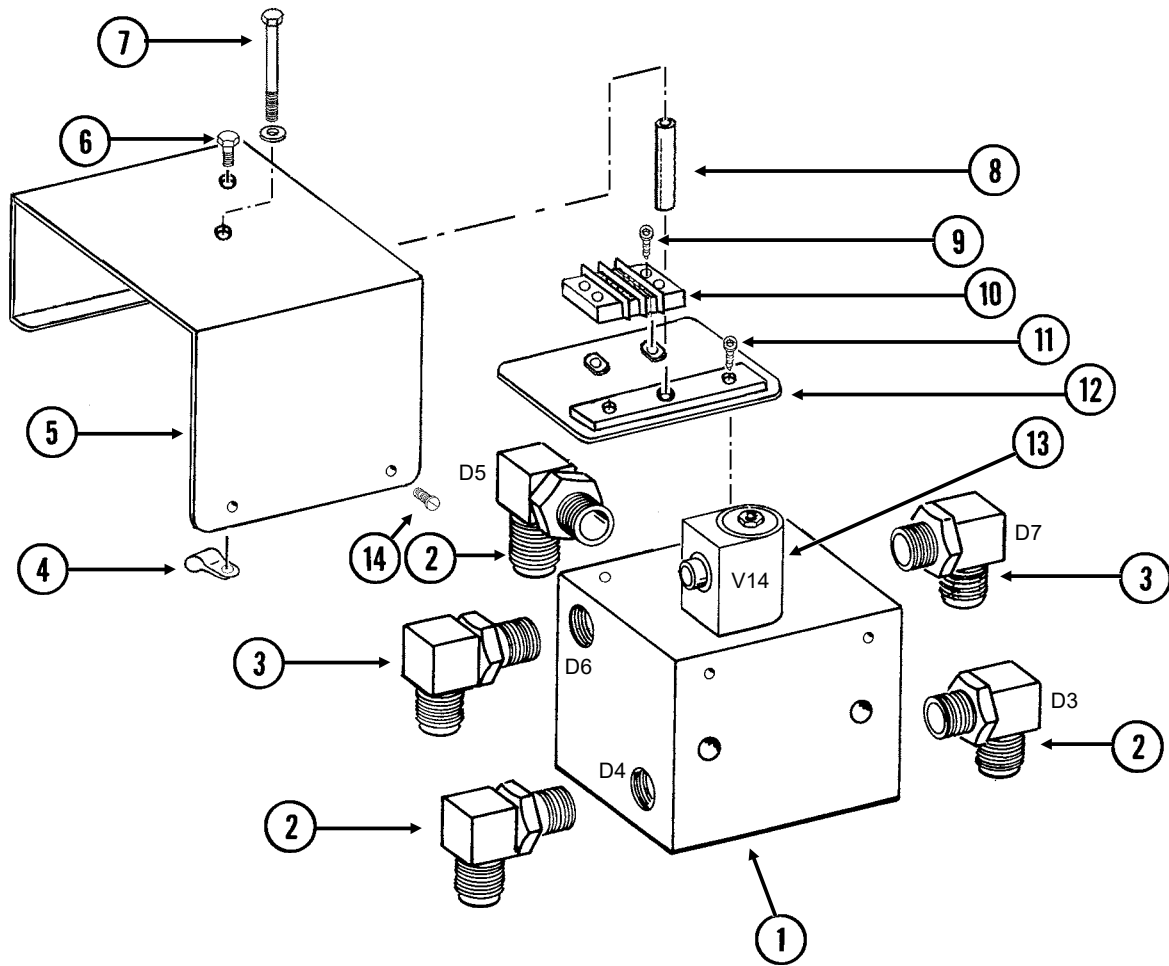
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD9531	1	Block
2	G6801-08 GR1037	2 -	Elbow W/O-Ring, 90°, ¼"-16 Male JIC To O-Ring O-Ring
3	G6400-10-08 GR1037	6 -	Connector W/O-Ring, ⅞"-14 Male JIC To ¼"-16 O-Ring O-Ring
4	---	-	See "Solenoïd Valve (G1K276)" on page P105
5	G10133 G10232	1 1	Hex Head Cap Screw, ⅝"-18 x 1½" Lock Washer, ⅝"
6	GD13365	1	Cover
7	G10054 G10232 G10106	1 1 1	Hex Head Cap Screw, ⅝"-18 x ½" Lock Washer, ⅝" Hex Nut, ⅝"-18
8	GD8066-02	1	Sleeve, 1" Long
9	G10977	2	Phillips Pan Head Machine Screw, No. 10-24 x ½", Stainless Steel
10	GD13348	1	Insulated Clamp, 1⅛"
11	G11067	2	Phillips Pan Head Machine Screw, No. 8-32 x ¾", Stainless Steel
12	GA9510 GR1635	1 -	Terminal Strip W/Screws, No. 6, 4 Terminal Screw, No. 6-32 x ¼"
13	GA9518	1	Terminal Strip Mount
14	G11066	2	Phillips Pan Head Machine Screw, No. 10-24 x ¾", Stainless Steel
15	G6801-10-08 GR1037	2 -	Elbow W/O-Ring, 90°, ⅞"-14 Male JIC To ¼"-16 O-Ring O-Ring
16	G6500-10	2	Swivel Elbow, 90°, ⅞"-14 Male JIC To Female
17	G10062	2	Hex Head Cap Screw, ⅜"-16 x 3"
18	G10108	2	Lock Nut, ⅜"-16
19	G11387	2	Flat Washer, ⅜" SAE
20	GD25508	1	Hydraulic Block Mount

(A26398)



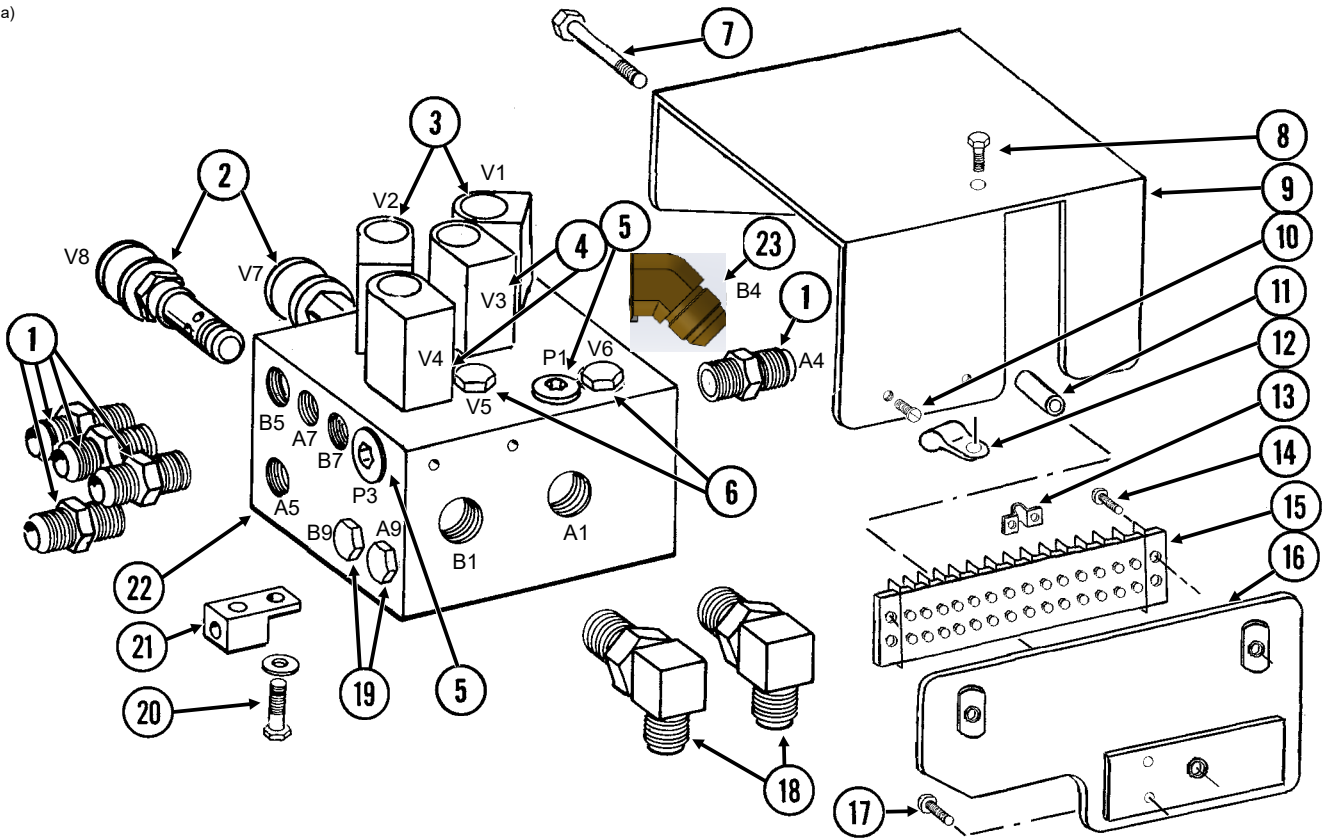
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD33511	1	Valve Block
2	GA21067	1	Check Valve, No. 8
3	G6400-06-08 GR1037	2 -	Connector W/O-Ring, 1/16"-18 Male JIC To 3/4"-16 O-Ring O-Ring
4	G6400-08-10 GR1466	2 -	Connector W/O-Ring, 3/4"-16 Male JIC To 7/8"-14 O-Ring O-Ring
5	G6408-H06-O GR1045	1 -	Hex Socket Head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

(FF20a)



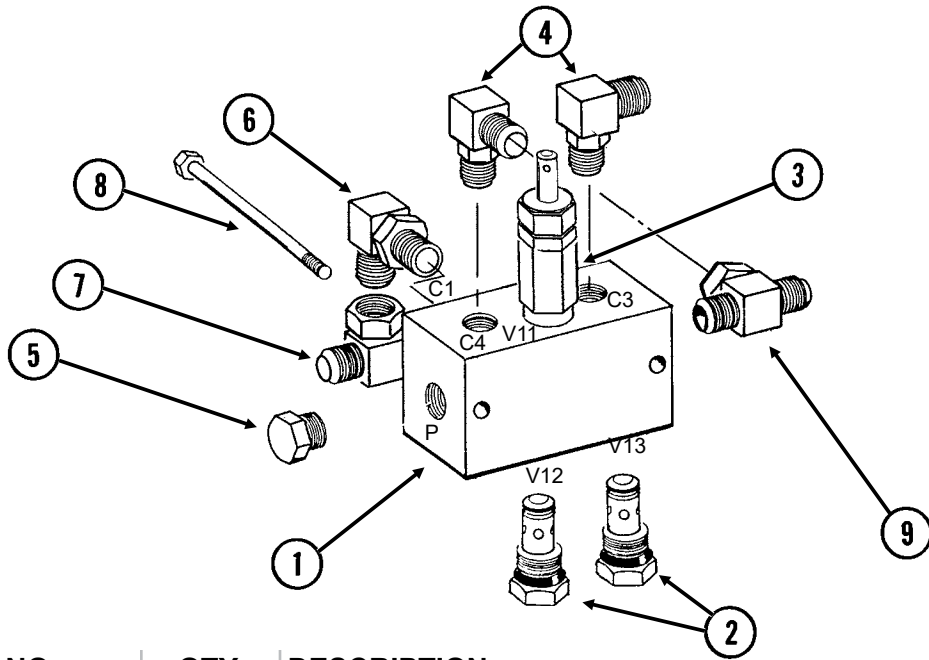
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD9536	1	Block
2	G6801-10-08 GR1037	3 -	Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To 3/4"-16 O-Ring O-Ring
3	G6801-08 GR1037	2 -	Elbow W/O-Ring, 90°, 3/4"-16 Male JIC To O-Ring O-Ring
4	GD13348	1	Insulated Clamp, 1 1/16"
5	GD13366	1	Cover
6	G10054 G10232 G10106	1 1 1	Hex Head Cap Screw, 5/16"-18 x 1/2" Lock Washer, 5/16" Hex Nut, 5/16"-18
7	G10583 G10232	1 1	Hex Head Cap Screw, 5/16"-18 x 2 3/4" Lock Washer, 5/16"
8	GD8066-03	1	Sleeve, 2 5/16" Long
9	G11067	2	Phillips Pan Head Machine Screw, No. 8-32 x 3/4", Stainless Steel
10	GA9511 GR1635	1 -	Terminal Strip W/Screws, No. 6, 2 Terminal Screw, No. 6-32 x 1/4"
11	G11066	2	Phillips Pan Head Machine Screw, No. 10-24 x 3/4", Stainless Steel
12	GA9519	1	Terminal Strip Mount
13	---	-	See "Solenoid Valve (G1K275)" on page P105
14	G10977	2	Phillips Pan Head Machine Screw, No. 10-24 x 1/2", Stainless Steel

(FF21a)



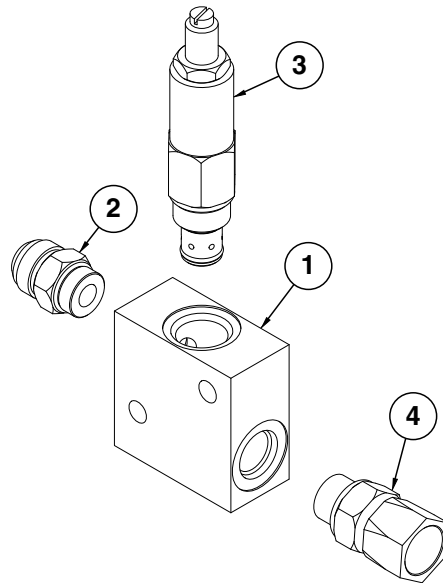
ITEM	PART NO.	QTY.	DESCRIPTION
1	G6400-08 GR1037	5 -	Connector W/O-Ring, 3/4"-16 Male JIC To O-Ring O-Ring
2	---	-	See "Flow Control Valve" on page P106
3	---	-	See "Solenoid Valve (G1K275)" on page P105
4	---	-	See "Solenoid Valve (G1K276)" on page P105
5	G6408-H06-O GR1045	5 -	Hex Socket Head Plug W/O-Ring, 5/16"-18 O-Ring O-Ring
6	G6408-10 GR1466	2 -	Plug W/O-Ring, 7/8"-14 O-Ring O-Ring
7	G10003 G10229	1 2	Hex Head Cap Screw, 3/8"-16 x 1 1/2" Lock Washer, 3/8"
8	G10004 G11091	1 1	Hex Head Cap Screw, 3/8"-16 x 1 1/4" Serrated Flange Nut, 3/8"-16
9	GD13146	1	Cover
10	G10977	2	Phillips Pan Head Machine Screw, No. 10-24 x 1/2", Stainless Steel
11	GD7318	1	Sleeve, 1" Long
12	GD13348	1	Insulated Clamp, 1 1/16"
13	GD13310	1	Jumper, 7/16"
14	G11067	2	Phillips Pan Head Machine Screw, No. 8-32 x 3/4", Stainless Steel
15	GA9097 GR1635	1 -	Terminal Strip W/Screws, No. 6, 14 Terminal Screw, No. 6-32 x 1/4"
16	GA13741	1	Terminal Strip, Mount
17	G11066	2	Phillips Pan Head Machine Screw, No. 10-24 x 3/4", Stainless Steel
18	G6801-10 GR1466	2 -	Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To O-Ring O-Ring
19	G6408-08 GR1037	6 -	Plug W/O-Ring, 3/4"-16 O-Ring O-Ring
20	G10019 G10043 G10232 G11386	1 1 2 -	Hex Head Cap Screw, 5/16"-18 x 1" Hex Head Cap Screw, 5/16"-18 x 3/4" Lock Washer, 5/16" Flat Washer, 5/16" SAE
21	GA3584	1	Ground Clamp
22	GD9533	1	Block
23	G6802-08	1	Elbow W/O-Ring, 45°, 3/4"-16 x 3/4"-16

VVB030(F22c)



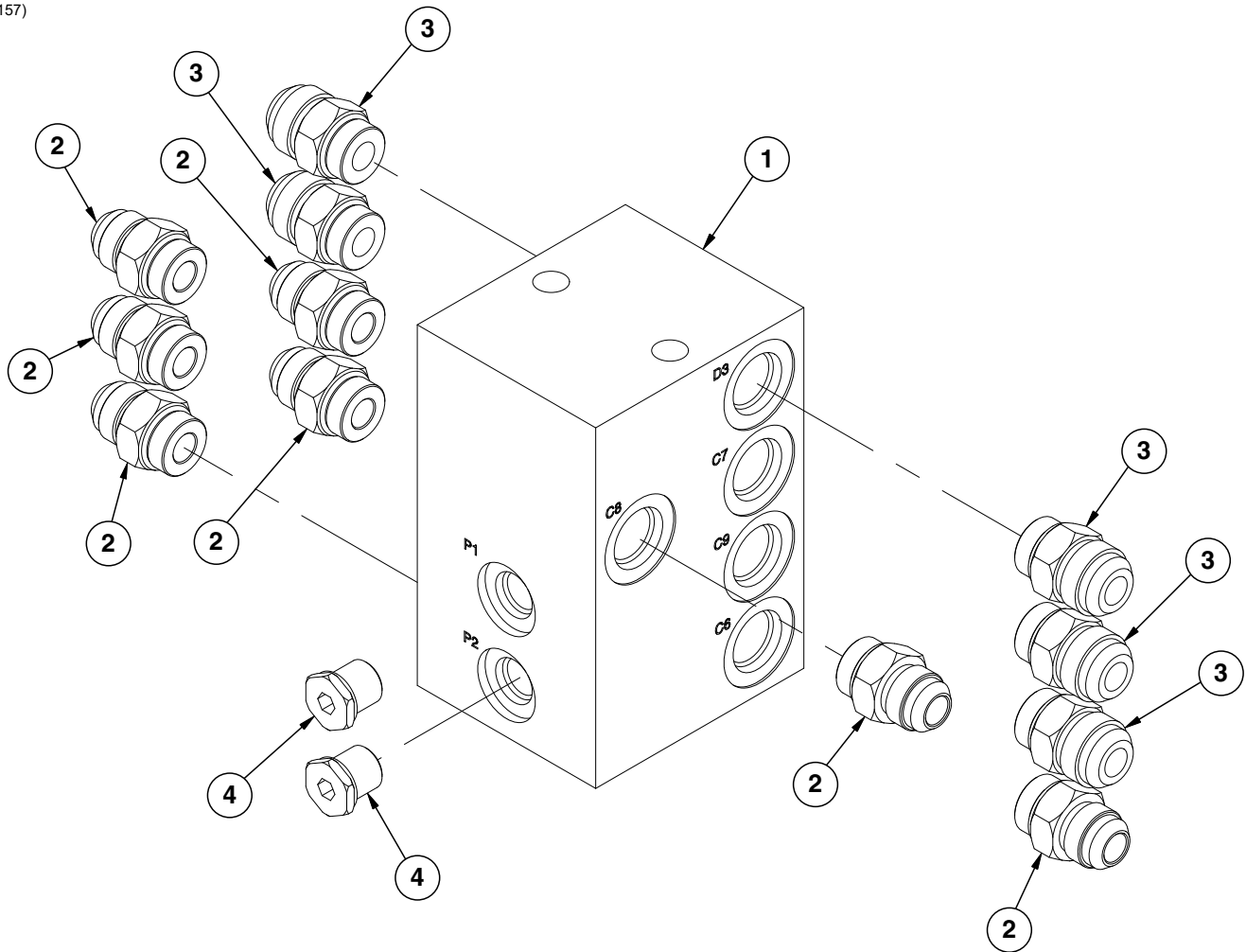
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD9535	1	Block
2	---	-	See "Check Valve" on page P106
3	---	-	See "Pressure Relief Valves" on page P106
4	G6801-08 GR1037	2 -	Elbow W/O-Ring, 90°, 3/4"-16 Male JIC To O-Ring O-Ring
5	G6408-06 GR1045	1 -	Plug W/O-Ring, 9/16"-18 O-Ring O-Ring
6	G6801-10-08 GR1037	1 -	Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To 3/4"-16 O-Ring O-Ring
7	G6600-10	1	Swivel Tee, 7/8"-14 JIC
8	G10746 G10227 G10103	2 2 2	Hex Head Cap Screw, 1/4"-20 x 2 3/4" Lock Washer, 1/4" Hex Nut, 1/4"-20
9	G6600-08	1	Swivel Tee, 3/4"-16 JIC

(IP1185)



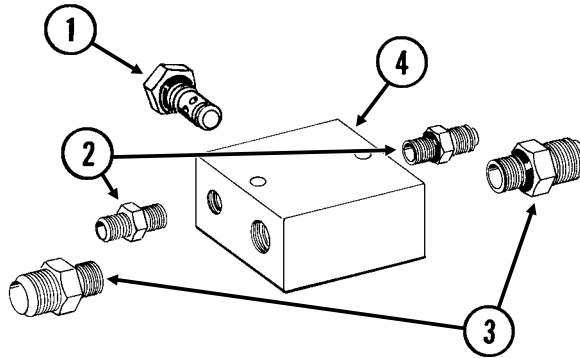
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD14528	1	Valve Block
2	G6400-10-08 GR1037	1 -	Connector W/O-Ring, 7/8"-14 Male JIC To 3/4"-16 O-Ring O-Ring
3	GA3407	1	Pressure Relief Valve, 1000 PSI
4	G6402-08-10	1	Connector W/O-Ring, 7/8"-14 Female JIC to 3/4"-16 O-Ring

(IP1157)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GD9537	1	Junction Block
2	G6400-08 GR1037	7 -	Connector W/O-Ring, 3/4"-16 Male JIC To O-Ring O-Ring
3	G6400-10-08 GR1037	5 -	Connector W/O-Ring, 7/8"-14 Male JIC To 3/4"-16 O-Ring O-Ring
4	G6408-H06-O	2	Hex Socket O-Ring Plug, 9/16"-12

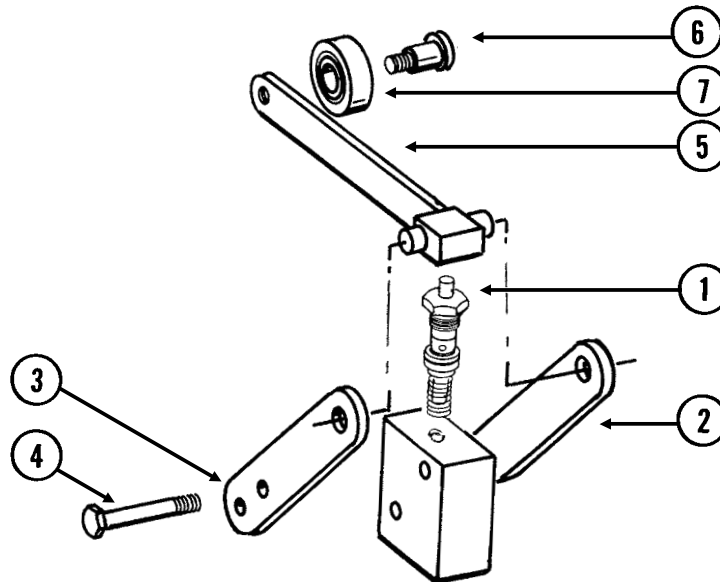
VVB038(HYD31a)



ITEM	PART NO.	QTY.	DESCRIPTION
1	---	-	See "Check Valve" on page P106
2	G6400-04 GR1465	2	Connector W/O-Ring, 7/16"-20 Male JIC To O-Ring
3	G6400-10 GR1466	2	Connector W/O-Ring, 7/8"-14 Male JIC To O-Ring
4	GD13447	1	Block

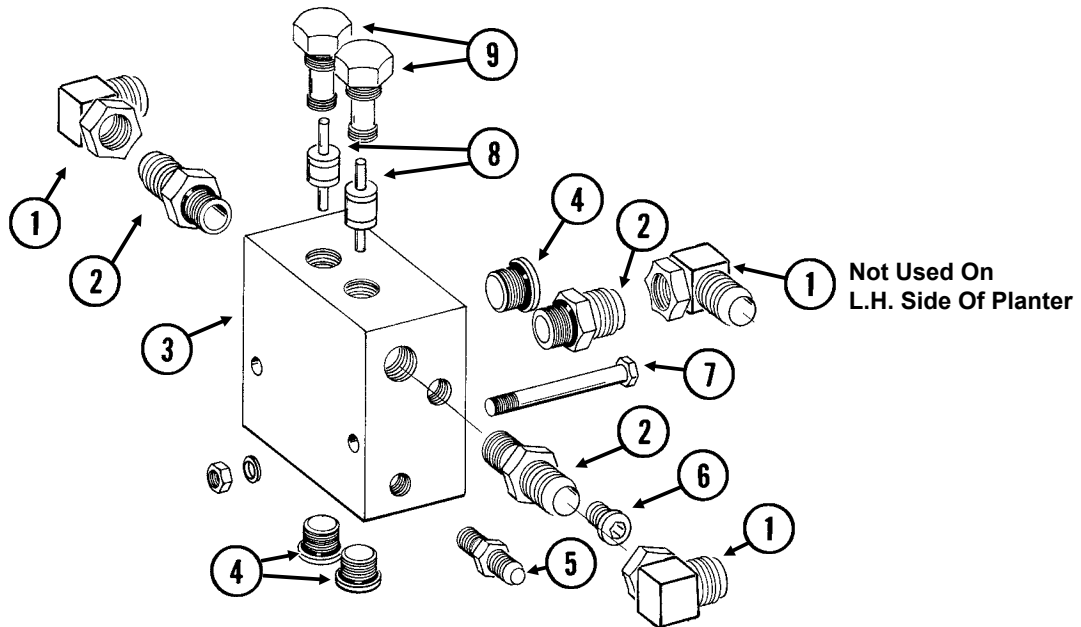
Detent Lever Valve

VVB033(FF24)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GR1254	1	Valve
2	GR1259	1	Bar
3	GR1255	1	Bar
4	G10060	2	Hex Head Cap Screw, 5/16"-18 x 2 1/2"
	G11387	2	Flat Washer, 3/8" SAE
	G10106	2	Hex Nut, 5/16"-18
5	GR1256	1	Arm
6	GR1258	1	Socket Shoulder Screw, 1/2"
7	GR1257	1	Stainless Steel Bushing
A	GA6782	-	Detent Lever Valve Complete
B	GR1260	-	Seal Kit (For GR1254 Valve), Includes: (2) BU Rings, (3) O-Rings

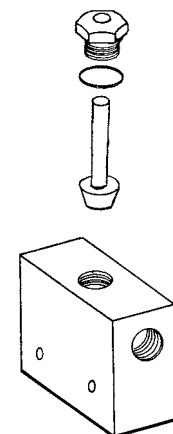
VVB039(HYD30)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G6500-08	2-3	Swivel Elbow, 90°, 3/4"-16 Male JIC To Female
	G6502-08	-	Swivel Elbow, 45°, 3/4"-16 Male JIC To Female
2	G6400-08	3	Connector W/O-Ring, 3/4"-16 Male JIC To O-Ring
	GR1037	-	O-Ring
3	GR1455	1	Block (Non-Stock Item)
4	GR1047	3	Hex Socket Plug W/O-Ring
	GR1037	-	O-Ring
5	G6400-04	1	Connector W/O-Ring, 7/16"-20 Male JIC To O-Ring
	GR1465	-	O-Ring
6	GR1034	1	Hex Socket Plug W/O-Ring
	GR1035	-	O-Ring
7	G10062	1	Hex Head Cap Screw, 3/8"-16 x 3"
	G10229	1	Lock Washer, 3/8"
	G10101	1	Hex Nut, 3/8"-16
8	GR1457	2	Pilot Piston (Non-Stock Item)
9	GR1456	2	Cartridge (Non-Stock Item)
A	GA8409	-	Pilot Operated Check Valve (Items 3, 4, 6, 8 And 9)
B	GR1458	-	Seal Kit, Includes: (2) Cartridge Seal Kits, (5) O-Rings, (2) BU Rings

Stroke Limiter Valve

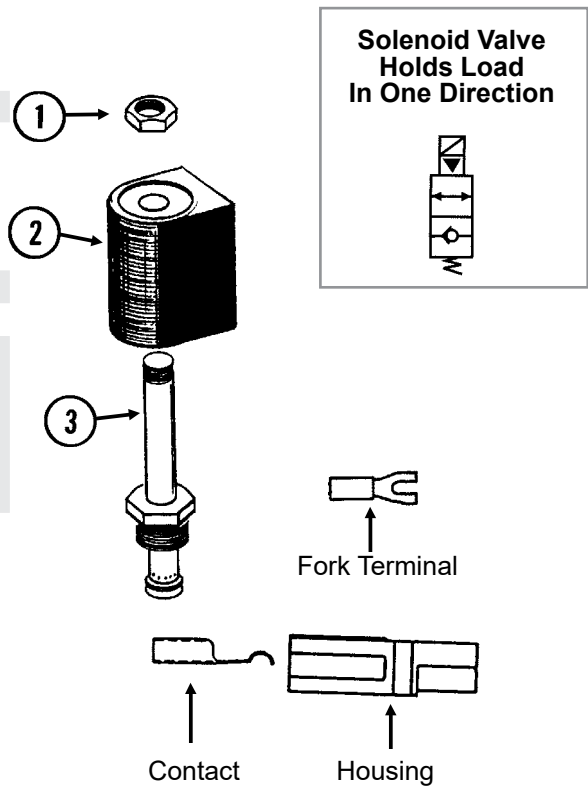
(FF23b)



ITEM	PART NO.	QTY.	DESCRIPTION
A	GA12105	-	Stroke Limiter Valve Complete <i>(Part Number Stamped On Valve Block)</i>
B	G1K255	-	Repair Kit, Includes: (1) Adapter, (1) Poppet, (1) Seal Kit W/O-Rings And BU Ring

VVB019(TWL27c/TWL18/PLTR75c/A9481)

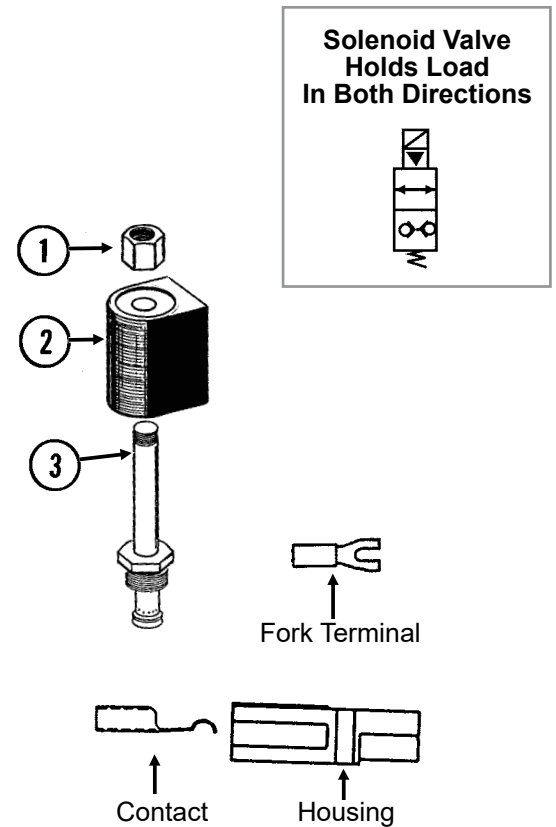
ITEM	PART NO.	QTY.	DESCRIPTION
1	GR0761	1	Special Hex Nut, 1/2"-20
2	G1K274	1	Coil Kit W/Contacts, Housings And Fork Terminals
	GD9529	2	Housing, Black
	GD9530	2	Contact
	G10996	2	Fork Terminal
3	GR0763	1	Cartridge
A	G1K275	-	Solenoid Valve Kit W/Solenoid Valve, Contacts, Housings And Fork Terminals
	GD9529	2	Housing, Black
	GD9530	2	Contact
	G10996	2	Fork Terminal
B	GR0764	-	Seal Kit, Includes: (2) O-Rings, (1) BU Ring



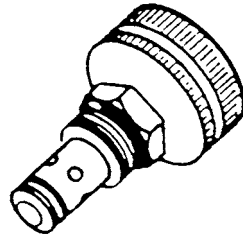
Solenoid Valve (G1K276)

VVB019(FF25/TWL18/PLTR75c)

ITEM	PART NO.	QTY.	DESCRIPTION
1	GR1322	1	Special Hex Nut, 1/2"-20
2	G1K274	1	Coil Kit W/Contacts, Housings And Fork Terminals
	GD9529	2	Housing, Black
	GD9530	2	Contact
	G10996	2	Fork Terminal
3	GR1321	1	Cartridge
A	G1K276	-	Solenoid Valve Kit W/Housings, Contacts, And Forked Terminals
	GD9529	2	Housing, Black
	GD9530	2	Contact
	G10996	2	Fork Terminal
B	GR2042	-	Seal Kit



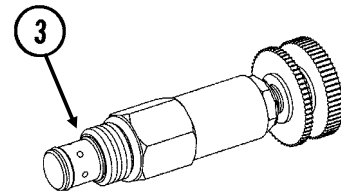
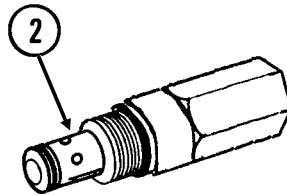
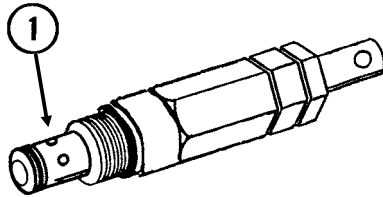
VVB020(TWL28)



ITEM	PART NO.	QTY.	DESCRIPTION
A	GA3413	-	Flow Control Valve
B	GR0764	-	Seal Kit, Includes: (2) O-Rings, (1) BU Ring

Pressure Relief Valves

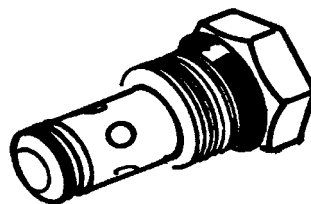
VVB020(FF46/FF46a/FF104)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA8844 GR1515	- -	Pressure Relief Valve, 1500 PSI Seal Kit, Includes: (2) O-Rings, (1) BU Ring
2	GA10140 GR0764	- -	Pressure Relief Valve, 550 PSI Seal Kit, Includes: (2) O-Rings, (1) BU Ring
3	GA3407 GR0764	- -	Pressure Relief Valve, 1000 PSI Seal Kit, Includes: (2) O-Rings, (1) BU Ring

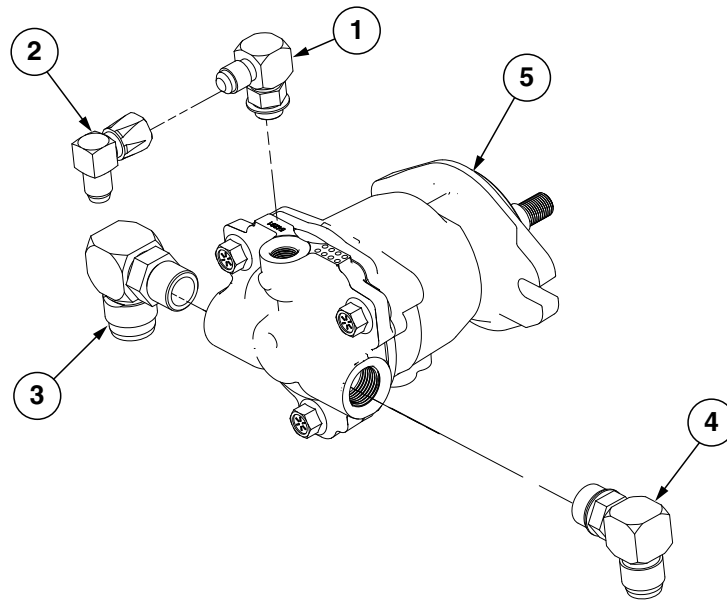
Check Valve

VVB020(TWL30)



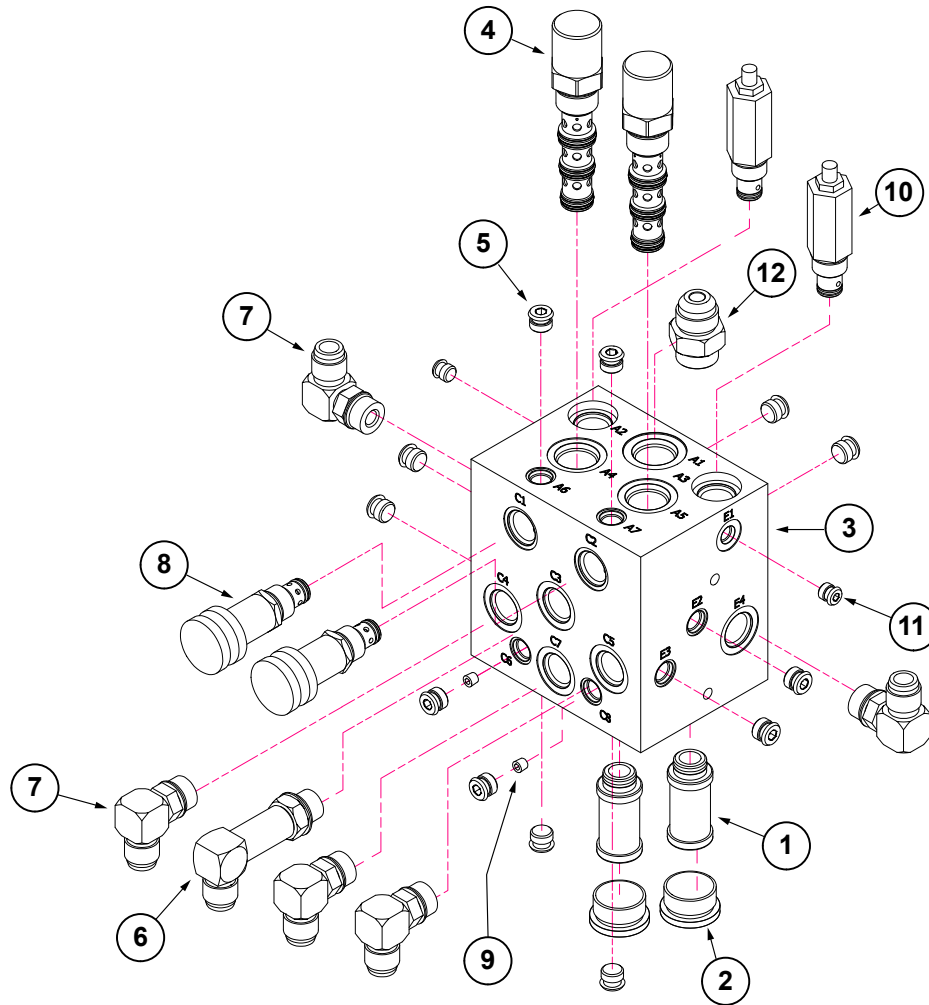
ITEM	PART NO.	QTY.	DESCRIPTION
A	GA4293	-	Check Valve
B	GR0764	-	Seal Kit, Includes: (2) O-Rings, (1) BU Ring

(A10636)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G6801-06 GR1045	1 -	Elbow W/O-Ring, 90°, 1/16"-18 Male JIC To O-Ring O-Ring
2	G6500-06	1	Swivel Elbow, 90°, 1/16"-18 Male JIC To Female
3	G6801-12-10 GR1466	1	Elbow W/O-Ring, 90°. 1 1/16"-12 Male JIC To 7/8"-14 O-Ring O-Ring
4	G6801-10 GR1466	1	Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To O-Ring O-Ring
5	GA24543 GR2314 GR2333	1 - -	Hydraulic Motor Motor Key Seal Kit

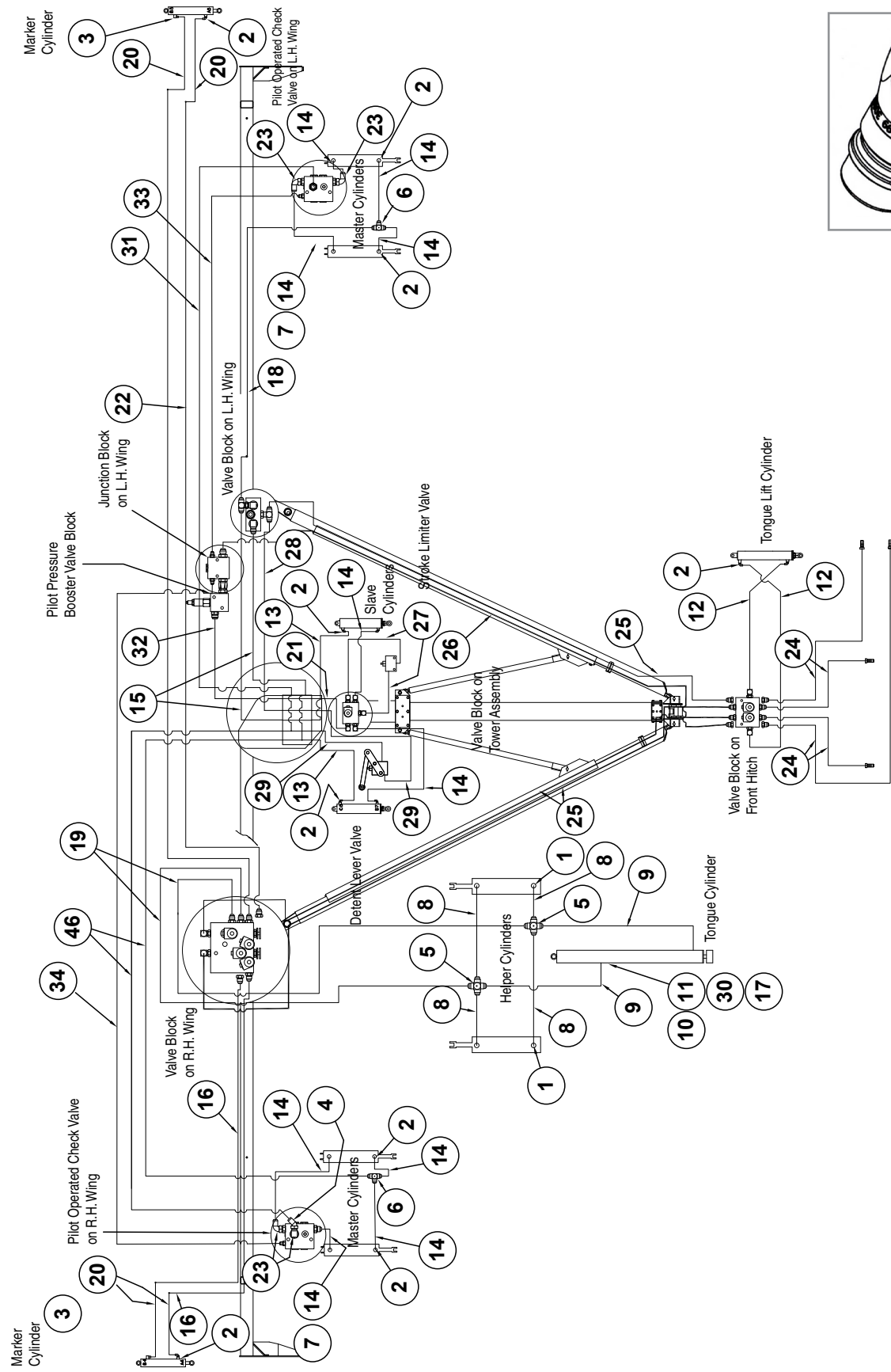
(101708)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GR2312	2	Filter Cartridge
2	G6408-HHP-16	2	O-Ring Plug, 1-5/16"-12
3	G10170701	1	Hydraulic Block
4	A20269	2	Pressure Compensator, 160 PSI
5	GD29319	12	Plug
6	G6801-LL-10 GR1466	1 -	X-Long Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To O-Ring O-Ring
7	G6801-10 GR1466	5 -	Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To O-Ring O-Ring
8	G10123401	2	Adjustable Flow Control Valve
9	GD29315	2	Flow Restrictor Orifice, .015" Diameter
10	G10349401	2	Pressure Relief Valve
11	GD29321	2	Plug
12	G6400-12 GR1467	1 -	Connector, W/O-Ring, 1 1/16"-12 Male JIC To O-Ring O-Ring

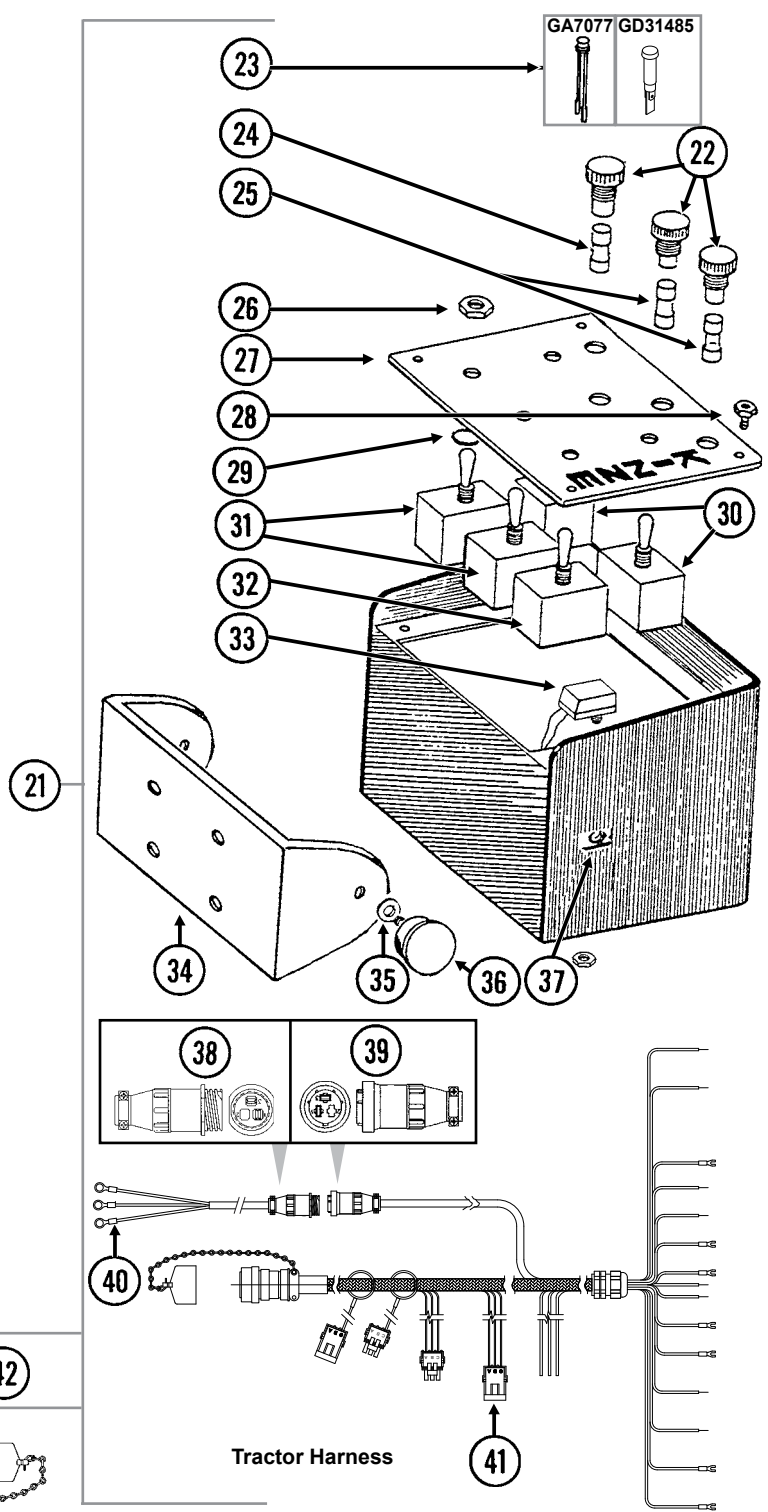
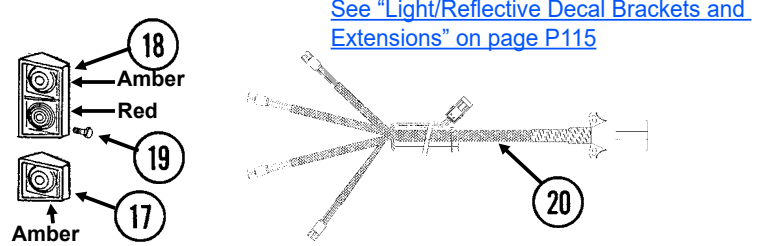
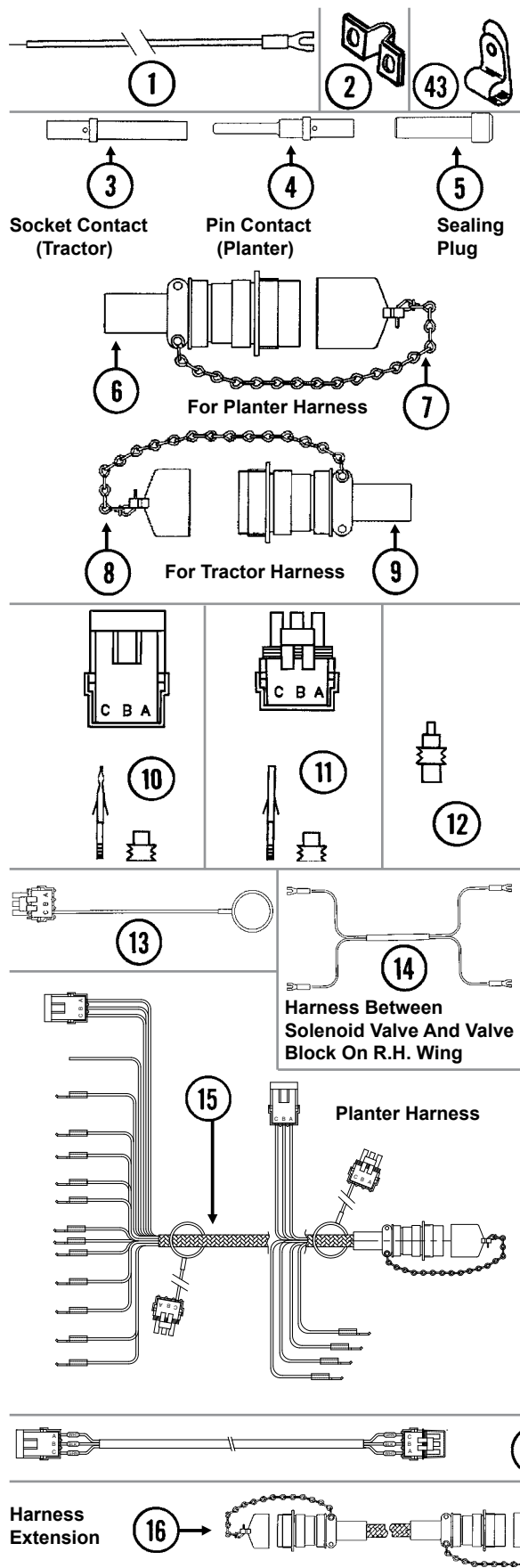
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(IP1142-1a)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G6801-06-08 GR1037	4 -	Connector W/O-Ring, 1/16"-18 Male JIC To 3/4"-16 O-Ring O-Ring
2	G6801-08 GR1037	14 -	Elbow W/O-Ring, 90°, 3/4"-16 Male JIC To O-Ring O-Ring
3	G6400-08 GR1037	2 -	Connector W/O-Ring, 3/4"-16 Male JIC To O-Ring O-Ring
4	G6502-08	1	Swivel Elbow, 45°, 3/4"-16 Male JIC To Female
5	G2650-06	2	Cross, 1/16"-18 Male JIC
*6	G2603-08	2	Tee, 3/4"-16 Male JIC
7	*A15094-34	2	Hose Assembly, 3/8" x 34" (08M-08F)
8	*A1189	4	Hose Assembly, 1/4" x 36"
9	*A1146	2	Hose Assembly, 1/4" x 12"
10	G6400-06-08 GR1037	1 -	Connector W/O-Ring, 1/16"-18 Male JIC To 3/4"-16 O-Ring O-Ring
11	G6502-06	2	Swivel Elbow, 45°, 1/16"-18 Male JIC To Female
12	*A1044	2	Hose Assembly, 3/8" x 34"
13	*A3140	2	Hose Assembly, 3/8" x 94"
14	*A3119	10	Hose Assembly, 3/8" x 36"
15	*A1026	2	Hose Assembly, 3/8" x 152"
16	*A1031	2	Hose Assembly, 3/8" x 234"
17	G2406-08-06	1	Reducer, 3/4"-16 Female JIC To 1/16"-18 Male JIC
18	*A3161	1	Hose Assembly, 3/8" x 210"
19	*A3299	2	Hose Assembly, 3/8" x 164"
20	*A1072	4	Hose Assembly, 3/8" x 48"
21	*A1421	1	Hose Assembly, 1/2" x 107"
22	*A12000	2	Hose Assembly, 3/8" x 548"
23	G6500-08	4	Swivel Elbow, 90°, 3/4"-16 Male JIC To 1/16"-18 Female
24	*A1412	4	Hose Assembly, 1/2" x 130"
25	*A1485	3	Hose Assembly, 1/2" x 330"
26	*A8208	1	Hose Assembly, 1/2" x 374"
27	*A1424	2	Hose Assembly, 1/2" x 30"
28	*A1487	1	Hose Assembly, 1/2" x 150"
29	*A1465	2	Hose Assembly, 1/2" x 84"
30	G6500-06	1	Swivel Elbow, 90°, 1/16"-18 Male JIC To Female
31	*A1038	3	Hose Assembly, 3/8" x 370"
32	*A1475	1	Hose Assembly, 1/2" x 108"
33	*A7678-270	1	Hose Assembly, 1/4" x 270"
34	*A7679-436	1	Hose Assembly, 1/4" x 436"
35	GA15499	-	Coupler

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



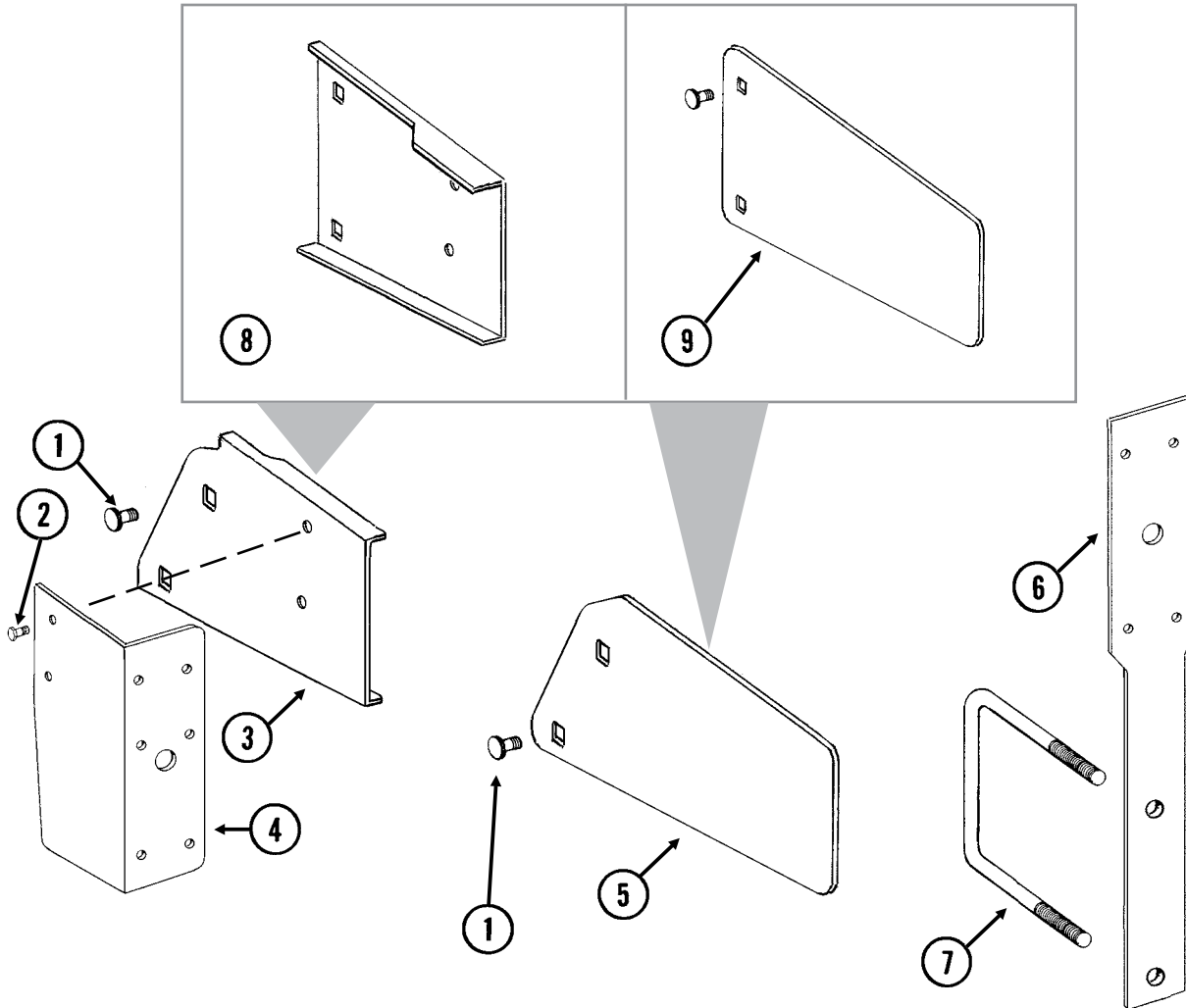
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA9481 G10996	- -	Jumper Wire W/Fork Terminal, 13" Fork Terminal
2	GD13310	-	Jumper, 7/16"
3	GD8740	-	Socket Contact, No. 14
4	GD8741	-	Pin Contact, No. 14
5	GD8739	-	Sealing Plug, No. 12
6	GA6109	1	Connector W/Cable Clamp, 23 Pin Capacity
7	GA7862	-	Dust Cap W/Chain
8	GA7863	-	Dust Cap W/Chain
9	GA6108	1	Connector W/Cable Clamp, 23 Socket Capacity
10	G1K248	-	3-Pin Female Connector Kit (Black), Includes: (3) 3-Pin Female Housings, (9) Pin Contacts, (9) Seals
11	G1K252	-	3-Pin Male Connector Kit (Black), Includes: (3) 3-Pin Male Housings, (9) Socket Contacts, (9) Seals
12	GD11089	-	Sealing Plug
13	GA8047	-	Dust Plug (Black)
14	GA9513	1	Wiring Harness, 312", From Valve Block On R.H. Wing To Tower Assembly
15	GA16337	1	Wiring Harness W/Dust Cap, 468"
16	GA11736	-	Harness Extension W/Dust Caps, 180"
17	GA6701 GR1204 GR1206 GR1207 GR1208	1 - - - -	Single Amber Light Assembly Amber Lens Rubber Grommet (2) Lamp Unit Bulb
18	GA6699 GA6700 GR1203 GR1204 GR1205 GR1206 GR1207 GR1208	1 1 - - - - - -	Double Light Assembly Double Light Assembly (Shown) Red Lens Amber Lens Cover Rubber Grommet (4) Lamp Unit Bulb
19	G10021 G10110	8 16	Hex Head Cap Screw, 1/4"-20 x 1 1/2" Lock Nut, 1/4"-20, Grade B
20	GA24472 GA5385	1 -	Lights Wiring Harness, W/7 Terminal Femal Connector, 725" (4 Light Connections) 7 Terminal Female Connector
21	G7633X G7639X	- -	Backlit Control Console Assembly W/Mounting Brackets, Short Harness W/Dust Cap And Power Cable (Shown) Backlit Control Console Assembly W/Mounting Brackets, Short Harness W/Dust Cap And Power Cable, Planters Equipped With Two-Speed Point Row Clutches
22	GA2612	3-5	Fuse Holder W/Spade, 1 ³³ / ₆₀ "
23	GA7077 GD31485	1-4 1	Indicator Light LED Indicator Light
24	GD2829	1-2	Fuse, 15 Amp, Type AGC
25	GD10243	2-6	Fuse, MDL 10 Amp Delay Action
26	GR1363 GR1364	5 5	Hex Face Nut, 1 ⁵ / ₃₂ "-32 Internal Tooth Lock Washer, 1 ⁵ / ₃₂ "
27	GA8734 GA8735	1 -	Cover Plate (Shown) Cover Plate, Planters Equipped With Two-Speed Point Row Clutches
28	GR1292	4	Pan Head Screw, No. 8-32 x 1/2"
29	GD3860	-	O-Ring (If Applicable)
30	GA2528	2	Switch, 3 Position Toggle, On-Off-On
31	GA6978	2	Switch, 3 Position Toggle, Momentary On-Off-Momentary On

Continued on the next page.

ITEM	PART NO.	QTY.	DESCRIPTION
32	GA6977	1-2	Switch, 2 Position Toggle, On-Off
33	GA8731	1	Switch, Push Button W/Transformer
34	GD9896	1	Mounting Bracket
35	G11385	4	Flat Washer, 1/4" SAE
36	GA6975	2	Knob
37	GR1290	2	Cage Nut, 1/4"-20
38	G1K267	-	Power Lead Adapter Connector Kit, Includes: (1) 3-Pin Connector, (1) Cable Clamp, (3) Male Terminal Pins
39	G1K268	-	Console Cable Connector Kit, Includes: (1) 3-Pin Connector, (1) Cable Clamp, (1) Lock Ring, (3) Female Terminal Pins
40	GA17547	1	Power Lead Adapter
41	GA16340	1	Wiring Harness W/Dust Cap And Power Cable
42	GA7855	1	Extension, 30'
43	GD22965	-	Insulated Clamp, 1/4"
	GD13348	-	Insulated Clamp, 11/16"
	GD6291	-	Insulated Clamp, 3/8"

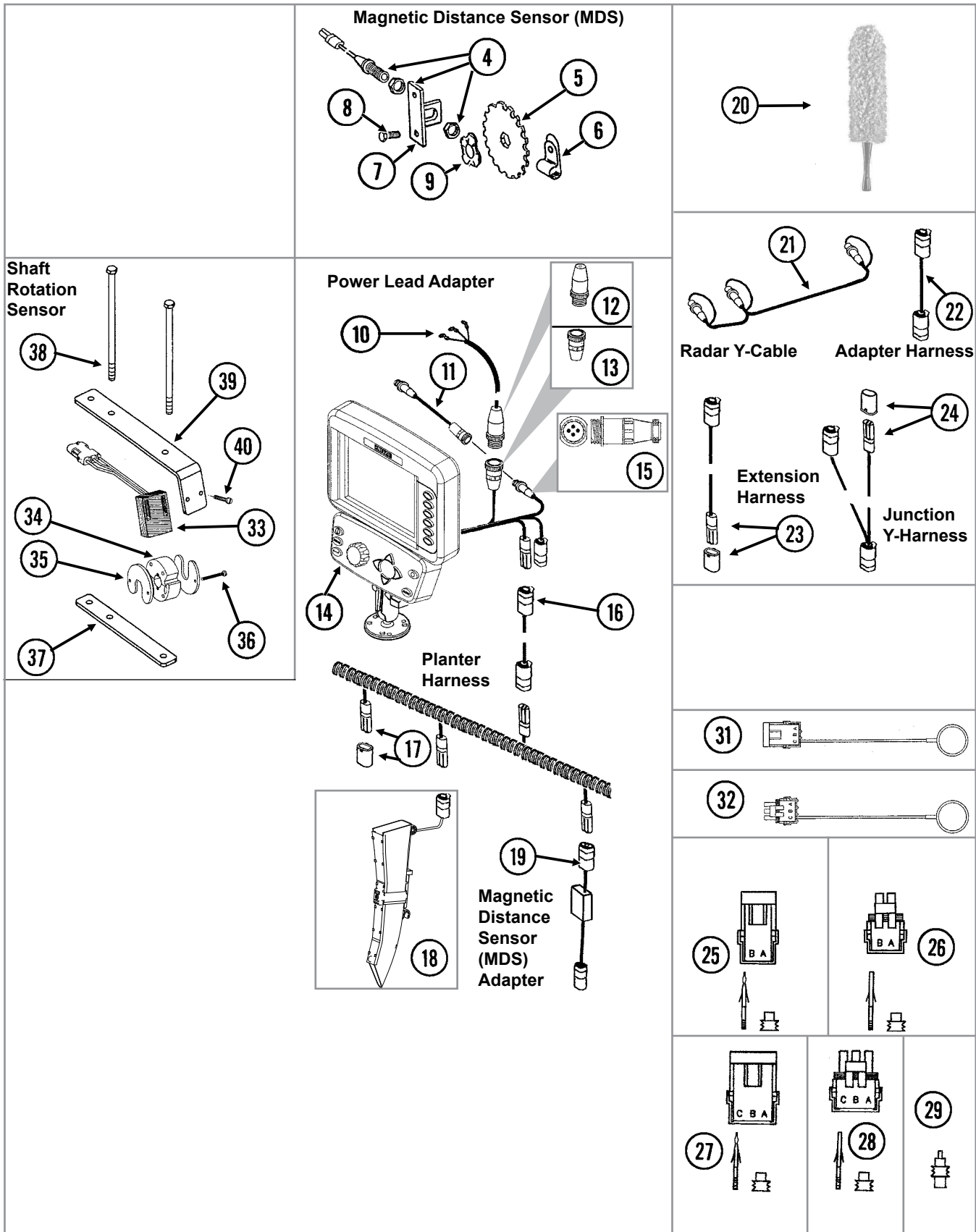
NOTE: See ["Point Row Clutch" on page P70](#) for R.H. and L.H. Wiring Harnesses for the point row clutches. See display unit for those components.

(RU130b/RU129/RU133/RU132/RU130a/RU131/RU129a/RU132a)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10312	-	Carriage Bolt, 5/16"-18 x 3/4"
	G10620	-	Serrated Flange Nut, 5/16"-18
2	G10064	-	Hex Head Cap Screw, 1/4"-20 x 1"
	G10110	-	Hex Nut, 1/4"-20
3	GD15968	1	Light Mount Extension
4	GD12725	1	Bracket (L.H. Wing)
	GD12724	1	Bracket (R.H. Wing) (Shown)
5	GD15967	1	Reflective Decal Bracket
6	GD13358	2	Light Bracket
7	GD17039	2	U-Bolt, 7" x 7" x 5/8"-11
	G10230	4	Lock Washer, 5/8"
	G10104	4	Hex Nut, 5/8"-11
8	GD12723	1	Light Mount Extension
9	GD12710	1	Reflective Decal Bracket

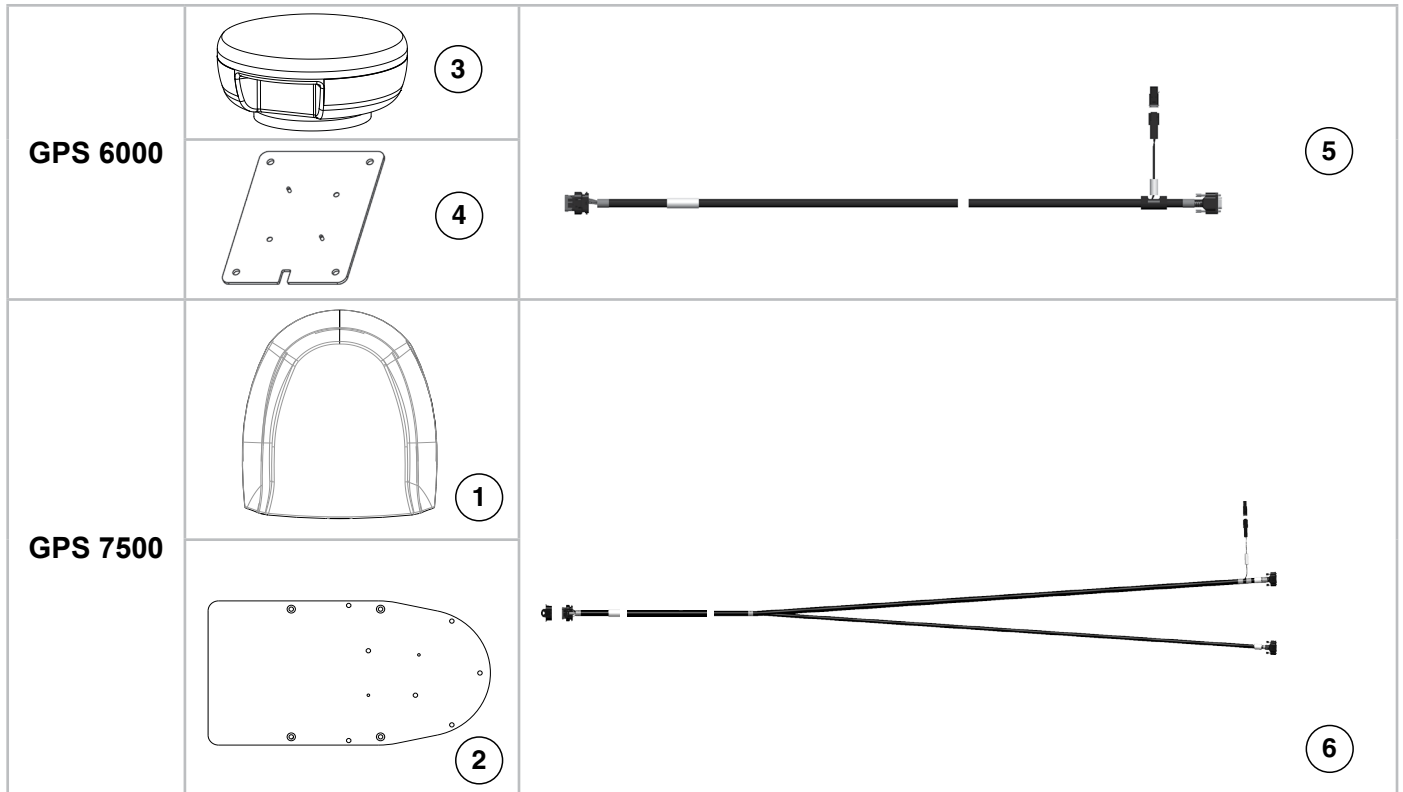
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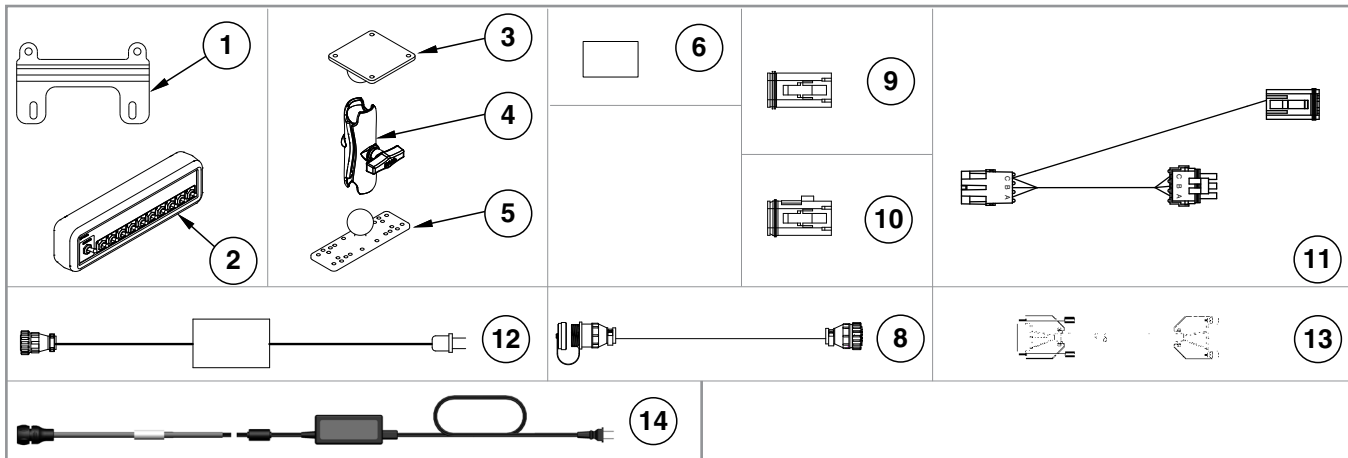
ITEM	PART NO.	QTY.	DESCRIPTION
1	---	-	---
2	---	-	---
3	---	-	---
4	GA5600	1	Magnetic Distance Sensor
5	GD8751	-	Magnetic Distance Sensor Pulse Wheel
6	GD6291	-	Insulated Clamp, 3/8"
7	GD8770	1	Bracket
8	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
	G10229	2	Lock Washer, 3/8"
	G10101	2	Hex Nut, 3/8"-16
9	GD8771	1	Spring Wave Washer
10	GA17547	1	Power Lead Adapter
11	GA9144	-	Monitor/Radar Adapter Cable, 10"
12	G1K267	-	Power Lead Adapter Connector Kit, Includes: (1) Cable Clamp, (1) 3-Pin Connector, (3) Male Terminal Pins
13	G1K268	-	Console Cable Connector Kit, Includes: (1) Cable Clamp, (1) 3-Pin Connector, (1) Lock Ring, (3) Female Terminal Pins
14	G8647X	1	KPM III Backlit Console W/Brush (Item 20), Dust Plug (Item 32), Mounting Bracket Assembly, Console Mounting Bracket Hardware And Power Harness
	GA12403	-	Mounting Bracket Assembly, Includes: (2) Mounting Brackets, (2) Connector Halves, (1) Compression Spring, (1) Tension Knob, (1) 1/4"-20 x 1 3/4" Hex Head Cap Screw, (1) 1/4" Plastic Washer, (1) 1/4" Steel Washer
	GR1762	-	Console Mounting Bracket Hardware Package, Includes: (3) No. 10-32 x 5/8" Hex Socket Pan Head Screws, (3) No. 10 Lock Washers
	GA16082	-	Power Harness
15	G1K322	-	4-Pin Connector Kit W/Male Housing, (4) Female Socket Contacts and (1) Cable Clamp
16	---	-	Included In Tractor/Planter Wiring Harness, See "Electrical Components" on page P112
17	GA7852	-	Planter Harness W/Dust Caps, 16 Row (20 Connectors)
	GA8050	-	Planter Harness W/Dust Caps, 18 Row (22 Connectors)
	GB1090	-	Dust Cap
18	G10745401	-	Seed Tube W/Computerized Sensor
	GA20902	-	Seed Tube (With Holes For Sensor Installation)
19	GA7859	1	Magnetic Distance Sensor Adapter (Analog To Digital)
20	G10475701	-	Professional Microfiber Duster, 19" (for cleaning Seed Tube sensors)
21	GR0586	1	Radar Y-Cable (Used To Connect Radar Distance Sensor For Multiple Functions)
22	GA7857	-	Adapter Harness, 1'
23	GA7854	-	Extension Harness W/Dust Cap, 15'
	GA7855	-	Extension Harness W/Dust Cap, 30'
	GB1090	-	Dust Cap
24	GA7853	-	Junction Y-Harness W/Dust Cap
	GB1090	-	Dust Cap
25	G1K321	-	2-Pin Female Connector Kit (Black), Includes: (3) 2-Pin Female Housings, (6) Pin Contacts, (6) Seals
26	G1K320	-	2-Pin Male Connector Kit (Black), Includes: (3) 2-Pin Male Housings, (6) Socket Contacts, (6) Seals

Continued on the next page.

ITEM	PART NO.	QTY.	DESCRIPTION
27	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
28	G1K252	-	3-Pin Male Connector Kit (Black), Includes: (3) 3-Pin Male Housings, (9) Socket Contacts, (9) Seals
	G1K363	-	3-Pin Male Connector Kit (Blue), Includes: (3) 3-Pin Male Housings, (9) Socket Contacts, (9) Seals
29	GD11089	-	Sealing Plug
30	---	-	---
31	GA8046	-	Dust Plug (Black)
	GA9978	-	Dust Plug (Blue)
32	GA8047	-	Dust Plug (Black)
	GA9979	-	Dust Plug (Blue)
33	G10229401	2	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 8-1/2"
	G11387	1	Flat Washer, $\frac{3}{8}$ "
	G10108	2	Lock Nut, $\frac{3}{8}$ "-16
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	GA13521	-	Shaft Sensor Mounting Package (Items 33, 34, 36-40)
C	GA8135	-	Shaft Rotation Kit, Includes: (2) Actuators (2) Rotation Sensors
D	GA13522	-	Shaft Rotation Sensor (1 Sensor, 1 Actuator) (Items 35 and 36)



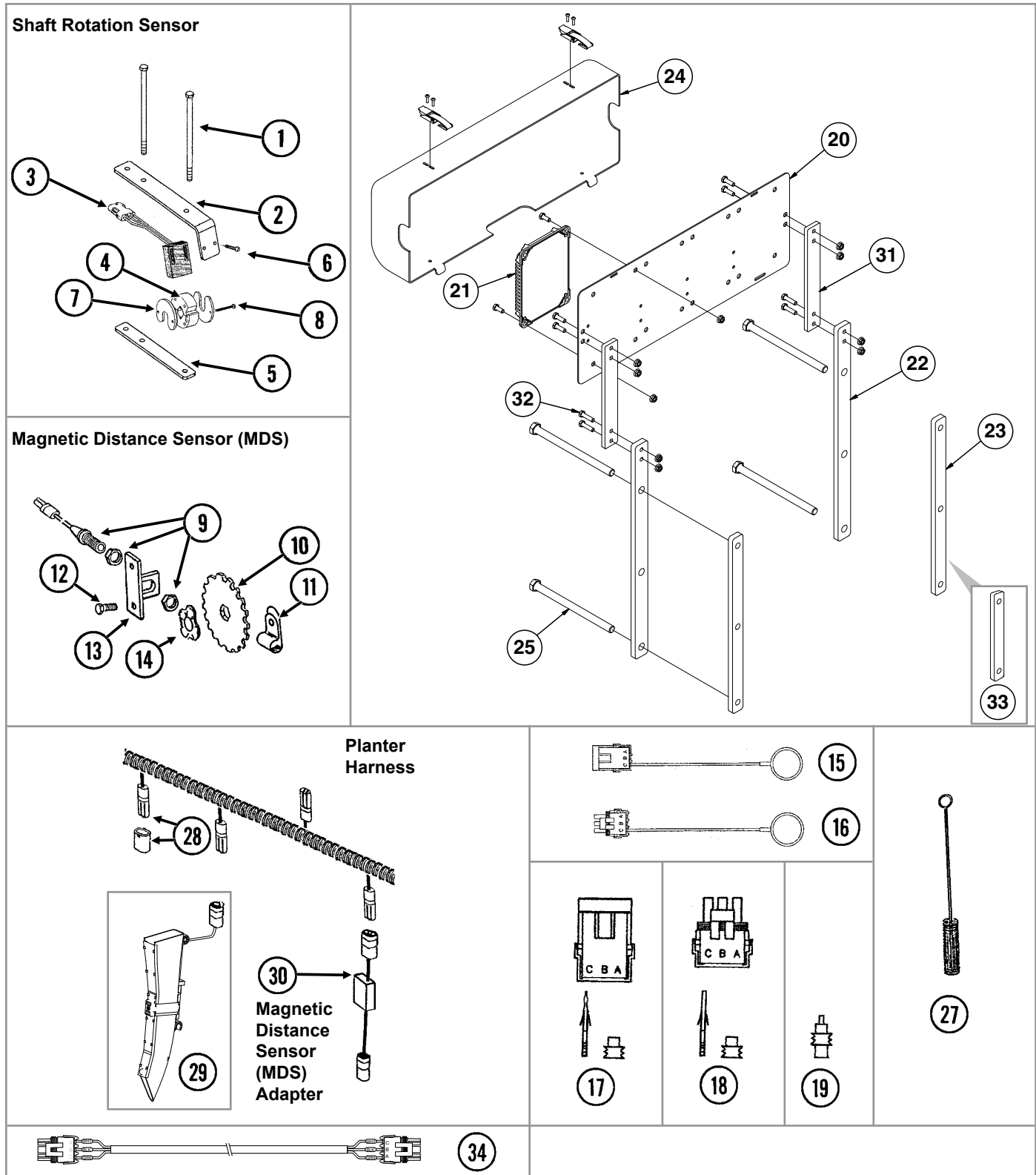
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10254901	1	GPS Receiver, 7500
2	G10254901	1	GPS Receiver, 7500
3	GA21151	1	GPS Antenna, 6000
4	GA21152	1	GPS Mounting Bracket, 6000
5	GA20903	1	GPS Cable, 6000
6	G10254701	1	GPS Dual Port Receiver, 7500
A	G9421X	-	GPS 6000 Antenna Package (Items 3-5) (Sub G10201101)
B	G10201101	-	GPS 7500 Antenna Package (Items 1, 2, 6)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GR2279	1	Switch Box Bracket
	G12103	4	Lock Washer, M6
	G12212-08	4	Phillips Pan Head Machine Screw, M6-1.0 x 8, Grade 2
2	GA12539	1	Switch Box Module
3	GD18408	1	Ram Vesa Base
4	GA12868	1	Ram Double Socket Arm
5	GD18407	1	Ram Base
6	GA14449	1	Flash Drive (Integra or InCommand)
7	---	-	---
8	GA13562	1	Cable Extension, 180"
9	GR1838	1	Dust Plug
10	GR1839	1	Dust Plug
11	GA13572	1	Multi-Product Cable
12	GA12852	1	Power Supply (Integra)
13	GA12853	1	Null Modem Cable
14	GA24649	1	Power Supply (InCommand)
A	GA14448	-	Ram Mount Hardware Kit

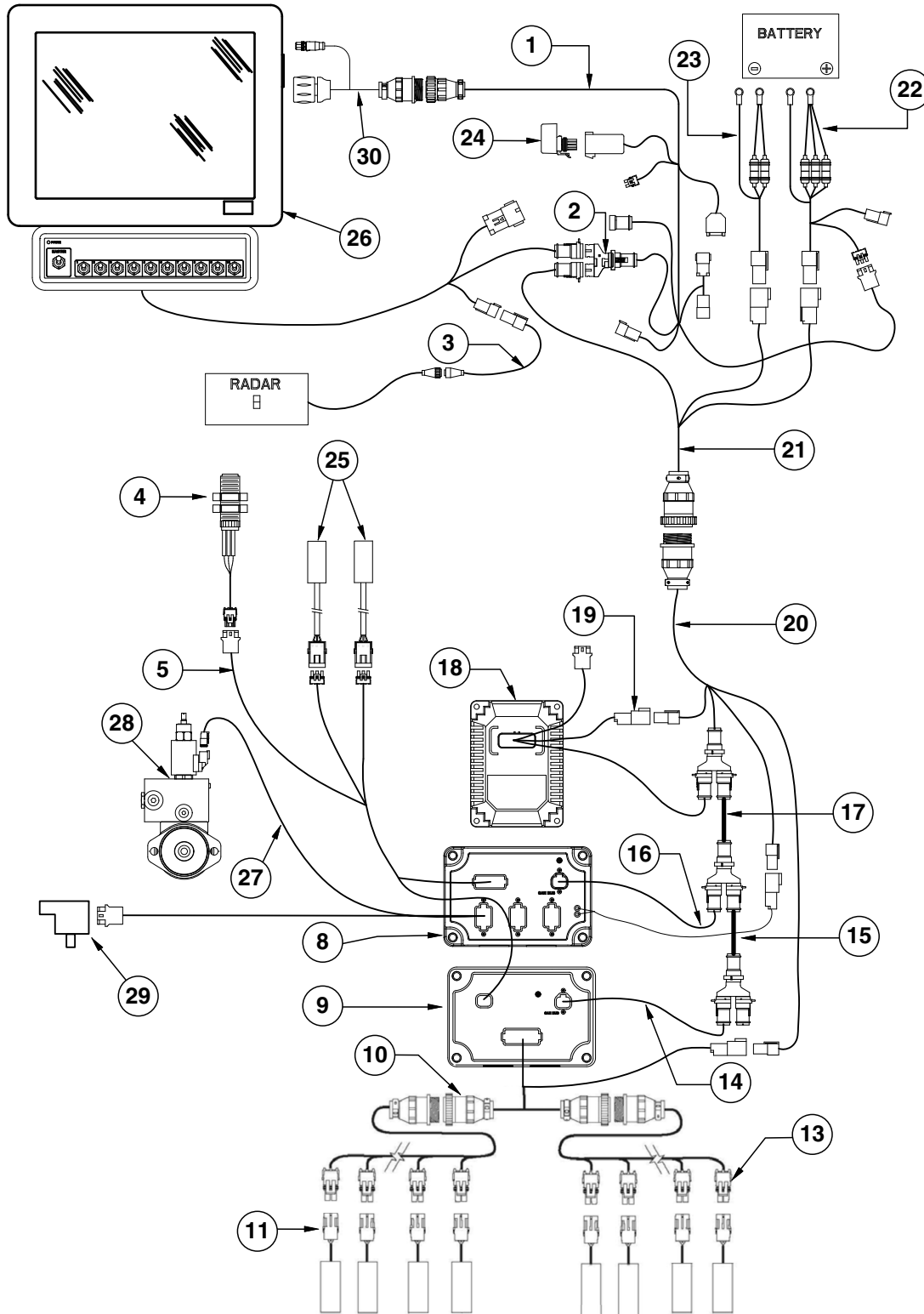
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(MTR60/MTR63/PMM01/MTR65/MTR61/MTR64/MTR62/PMM02)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10686	4	Hex Head Cap Screw, 3/8"-16 x 8"
	G10229	4	Lock Washer, 3/8"
	G10101	4	Hex Nut, 3/8"-16
2	GD18118	2	Shaft Sensor Mount
3	GR1415	1	Rotation Sensor
4	GR1414	1	Actuator
5	GD18168	2	Mount
6	G10757	2	Pan Head Screw, No. 10-32 x 1 1/4"
	G10243	2	Washer, No. 10 SAE
	G10758	2	Hex Nut, No. 10-32
7	GD11474	4	Cover
8	G10927	4	Pan Head Machine Screw, No. 8-32 x 1 1/4", Stainless Steel
	G10931	4	Lock Washer, No. 8, Internal/External, Stainless Steel
	G10928	4	Hex Nut, No. 8-32, Stainless Steel
9	GA5600	1	Magnetic Distance Sensor
10	GD8751	-	Magnetic Distance Sensor Pulse Wheel
11	GD6291	-	Insulated Clamp, 3/8"
12	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
	G10229	2	Lock Washer, 3/8"
	G10101	2	Hex Nut, 3/8"-16
13	GD8770	1	Bracket
14	GD8771	1	Spring Wave Washer
15	GA8046	-	Dust Plug (Black)
	GA9978	-	Dust Plug (Blue)
16	GA8047	-	Dust Plug (Black)
	GA9979	-	Dust Plug (Blue)
17	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
18	G1K252	-	3-Pin Male Connector Kit (Black), Includes: (3) 3-Pin Male Housings, (9) Socket Contacts, (9) Seals
	G1K363	-	3-Pin Male Connector Kit (Blue), Includes: (3) 3-Pin Male Housings, (9) Socket Contacts, (9) Seals
19	GD11089	-	Sealing Plug
20	GD18013	1	Bracket
	G10031	4	Hex Head Cap Screw, 5/16"-18 x 1 3/4"
	GD11963-01	4	Spacer, 1 1/16"
	G10620	8	Serrated Flange Nut, 5/16"-18
21	GA12538	1	Planter Monitor Module
	G10019	4	Hex Head Cap Screw, 5/16"-18 x 1"
	G10620	4	Serrated Flange Nut, 5/16"-18
22	GD19759	2	Module Bracket Mount, 36 Row 20"
23	GD18901	2	Tap Block, Long
24	GA12563	1	Module Cover Assembly W/Lock Clamps
25	G10152	4	Hex Head Cap Screw, 5/8"-11 x 9"
26	GA12655	1	Implement Cable (16 Row)
27	GR0594	-	Brush
28	GA7852	2	Planter Harness W/Dust Caps, 24 Row (20 Connectors)
	GA8050	-	Planter Harness W/Dust Caps, 36 Row (22 Connectors)
	GB1090	-	Dust Cap
29	GA19961	-	Seed Tube W/Computerized Sensor
	GA19960	-	Seed Tube (With Holes For Sensor Installation)
30	GA7859	1	Magnetic Distance Sensor Adapter (Analog To Digital)
31	GD24362	2	Module Extension (Bulk Fill only)
32	G10133	4	Hex Head Cap Screw, 5/16"-18 x 1 1/2"
	G10620	4	Serrated Flange Nut, 5/16"-18
33	GD18628	2	Short Tap Block, 24 Row 20" and 24 Row 22"
34	GA16923	-	Dickey John Adapter Cable
A	GA6147	-	Magnetic Distance Sensor And Mounting Package (Items 9-14)

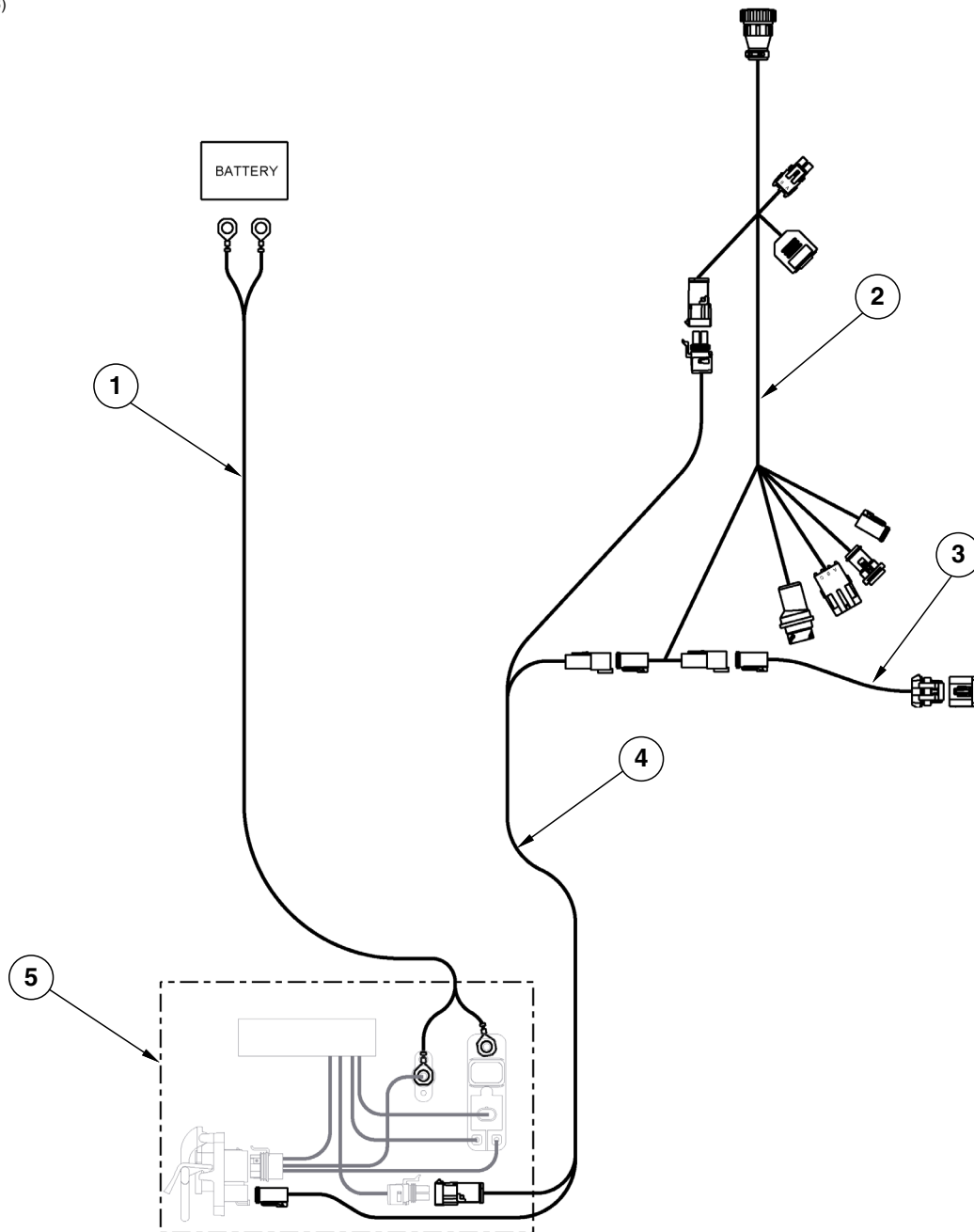
(TP1098d)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA16831 GA12551	1 -	ISOBUS Integra Display Cable Cobalt Display Cable
2	GD18176	1	Y-Splice Connector
3	GA12596	1	Radar Adapter Cable
4	GA13204	-	Hall Effect Sensor
5	GA16826	-	Implement Switch Extension Cable
6	---	-	---
7	---	-	---
8	GA12564	1	Seed Rate Control Module
9	GA12537	1	Clutch Control Module
10	GA16386 GA17012	1 -	Section Adapter Cable, 24 Row (2 Row) Section Adapter Cable, 36 Row (3 Row)
11	GA16374	-	See "Ag Leader Electric Clutch" on page P18
12	---	-	---
13	GA18402 GA18403	1	Clutch Cable, 24 Row Clutch Cable, 36 Row
14	GA12558	1	Can Stub Cable, 8"
15	GA12559	1	Can Extension Cable, 5"
16	GA12566	1	Cab Stub Cable, 6" (Hydraulic Drive)
17	GA12567	1	Can Extension Cable, 4" (Hydraulic Drive)
18	GA16351	1	Planter Monitor Module
19	GA16352	1	PMM Cable
20	GA12655	1	Implement Cable
21	GA14450	1	CAN Adapter Cable
22	GA14452 GA12562	1	Power Cable (Integra) Power Cable (Cobalt)
23	GA12598	1	Seed Rate Power Cable
24	GA12540	1	Power Control Relay
25	GA16829	-	See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Force Springs Option" on page P6
26	*GA14447 *GA24887	- -	Integra Loaner Display (Display Only) (Shown) ImCommand Display
27	GA16344 GA16345	- -	R.H. Seed Rate Cable L.H. Seed Rate Cable
28	---	-	See "Vacuum Fan Hydraulic Motor Assembly" on page P107
29	GA12565	-	Encoder Module
30	GA24652	-	InCommand to Legacy Adapter

[See "Miscellaneous Display Parts" on page P120 for mounting brackets.](#)

(TP1106)



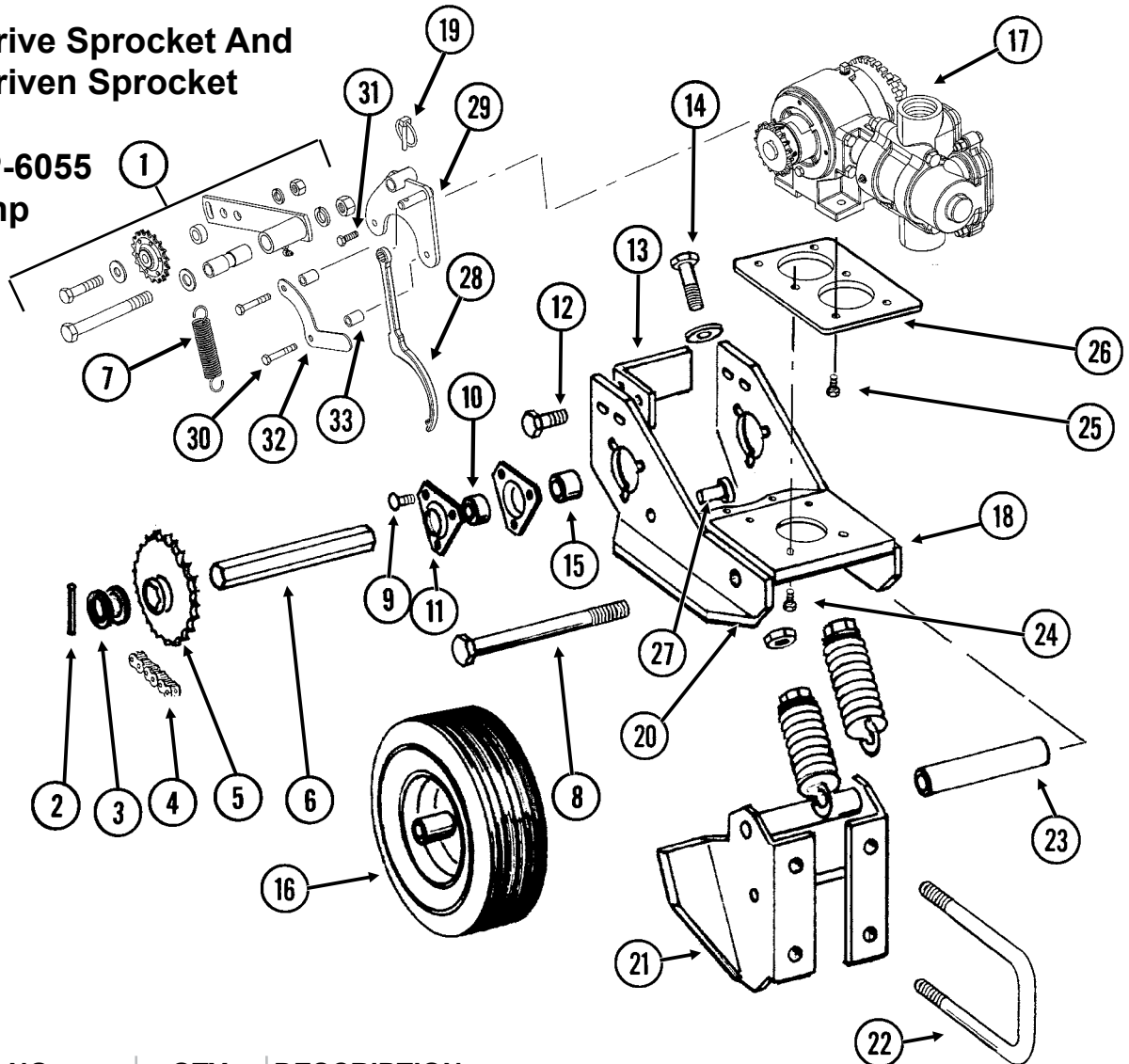
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA16834	1	Battery Cable
2	---	-	See "Ag Leader Electric Clutch Package" on page P124
3	GA16355	1	Terminator Cable
4	GA16832	1	ISO Integra Extension Cable
5	GA16833	1	ISO Connector

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(FF124a)

**40 Tooth Drive Sprocket And
18 Tooth Driven Sprocket**

**Model NGP-6055
Piston Pump**

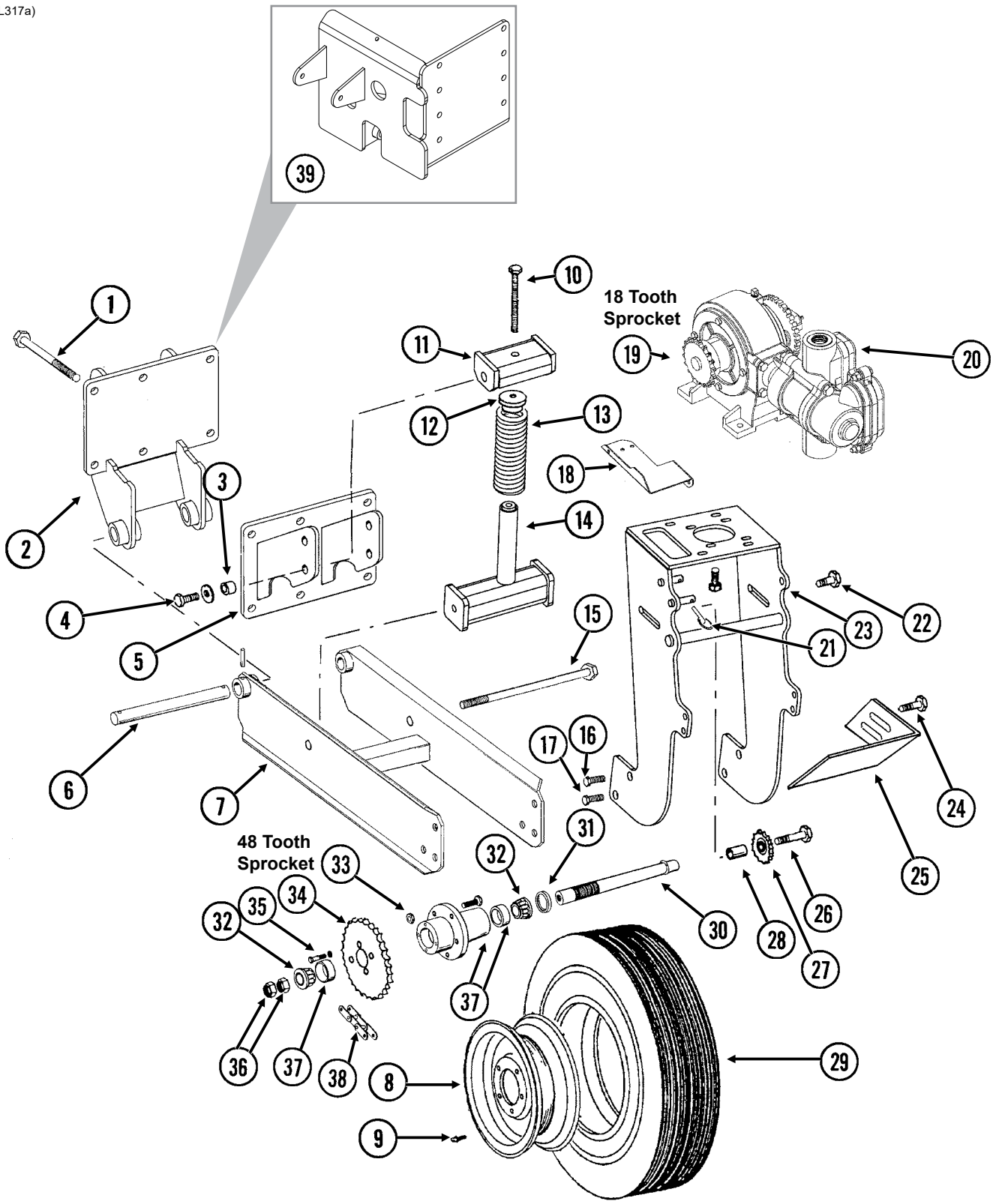


ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	GA12597	1	Idler W/Sprocket, Bushing, Spacer And Hardware
	GA7154	-	Sprocket W/Bearing, 18 Tooth
	GD7889	-	Bushing, 1" O.D. x 3/16" I.D x 7/16" Long
	G10581	-	Hex Head Cap Screw, 1/2"-13 x 2 1/4"
	G11389	-	Flat Washer, 1/2" SAE
	G10228	-	Lock Washer, 1/2"
	G10102	-	Hex Nut, 1/2"-13
	G10011	-	Hex Head Cap Screw, 5/8"-11 x 5 1/2"
	G11391	-	Flat Washer, 5/8" SAE
	G10230	-	Lock Washer, 5/8"
	G10104	-	Hex Nut, 5/8"-11
	GD10254	-	Spacer, 2 3/4"
	GA7248	-	Idler Arm
	G10779	-	Grease Fitting, 90°, 1/4"-28
2	G10602	2	Spring Pin, 1/4" x 1 1/2"
3	G10233	5	Machine Bushing, 1", 10 Gauge
4	G3310-91	1	Chain, No. 40, 91 Pitch Including Connector Link And Offset Link
	GR0912	-	Connector Link, No. 40
	GR0911	-	Offset Link, No. 40

ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
5	GA7180	1	Sprocket, 40 Tooth
6	GD6825-11.25	1	Hex Shaft, 7/8" x 11 1/4" (2 Holes)
7	GD5857	1	Spring
8	G10093	1	Hex Head Cap Screw, 5/8"-11 x 8 1/2"
	G10230	1	Lock Washer, 5/8"
	G10104	1	Hex Nut, 5/8"-11
9	G10302	6	Carriage Bolt, 5/16"-18 x 7/8"
	G11386	6	Flat Washer, 5/16" SAE
	G10232	6	Lock Washer, 5/16"
	G10106	6	Hex Nut, 5/16"-18
10	G2100-03	2	Bearing, 7/8" Hex Bore, Spherical
11	G3400-01	4	Flangette
12	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G11387	4	Flat Washer, 3/8" SAE
	G10229	2	Lock Washer, 3/8"
	G10101	2	Hex Nut, 3/8"-16
13	GD11556	1	Scraper
14	G10053	2	Hex Head Cap Screw, 1/2"-13 x 2 1/2"
	G11389	2	Flat Washer, 1/2" SAE
	G10102	2	Hex Nut, 1/2"-13
15	GD10200	2	Sleeve, 3/4" Long
16	GA5090	-	Tire And Rim Assembly (Specify Brand*)
	GD5753	1	Tire, 4.10" x 6" (Specify Brand*)
	GD5752	1	Inner Tube
17	---	-	See "Liquid Fertilizer Piston Pump, NGP-6055" on page P136
18	GA7246	1	Base Mount
19	GD2558	1	Lynch Pin, 1/4"
20	GA2068	2	Spring W/Plug
21	GA7245	1	Pump Mount W/Grease Fitting
	G10641	-	Grease Fitting, 1/8" NPT
22	GD11289	2	U-Bolt, 7" x 4" x 5/8"-11
	G10230	4	Lock Washer, 5/8"
	G10104	4	Hex Nut, 5/8"-11
23	GD10244-01	1	Sleeve, 7 1/16"
24	G10062	4	Hex Head Cap Screw, 3/8"-16 x 3"
	G10229	4	Lock Washer, 3/8"
	G10101	4	Hex Nut, 3/8"-16
25	G10003	4	Hex Head Cap Screw, 3/8"-16 x 1 1/2"
	G11387	4	Flat Washer, 3/8" SAE
	GR1122	4	Mounting Pad
	G10229	4	Lock Washer, 3/8"
	G10101	4	Hex Nut, 3/8"-16
26	GD11554	1	Pump Mount
27	G10478	2	Clevis Pin, 5/16" x 1"
	G10409	2	Retaining Ring, 5/16"
28	---	-	See "Liquid Fertilizer Piston Pump, NGP-6055" on page P136
29	GA12616	1	Idler Mounting Bracket
30	G10041	2	Hex Head Cap Screw, 5/16"-18 x 2"
31	G10019	1	Hex Head Cap Screw, 5/16"-18 x 1"
32	GD18065	1	Guide
33	GD2971-17	2	Sleeve, 7/8" Long

* 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

(TWL317a)



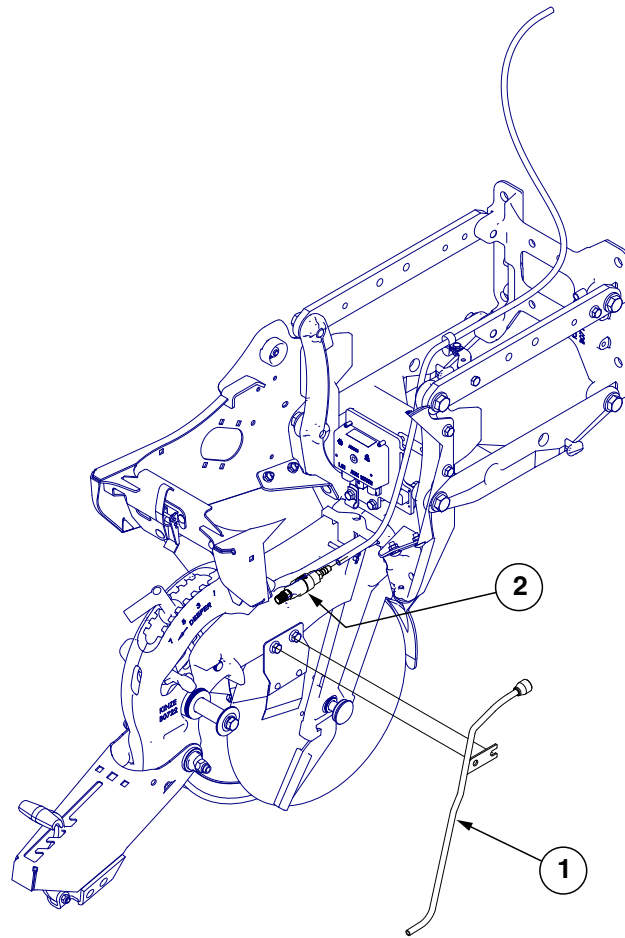
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10152	6	Hex Head Cap Screw, 5/8"-11 x 9"
	G10230	6	Lock Washer, 5/8"
	G10104	6	Hex Nut, 5/8"-11
2	GA10355	1	Wheel Arm Mount
3	GB0218	2	Bushing, 2 1/2" I.D. x 7/8" O.D. x 1 9/32" Long
4	G10005	2	Hex Head Cap Screw, 5/8"-11 x 1 3/4"
	G11391	2	Flat Washer, 5/8" SAE
	G10107	2	Lock Nut, 5/8"-11
5	GA9712	1	Spring Mount
6	GD2681	1	Pin, 1 1/4" x 13 1/2"
	G10460	2	Cotter Pin, 1/4" x 2"
7	GA10621	1	Arm W/Grease Fittings
	G10641	2	Grease Fitting, 1/8" NPT
8	GA0241	1	Wheel, 5" x 15"
9	GD1166	1	Valve Stem
10	G10012	1	Hex Head Cap Screw, 5/8"-11 x 6 1/2"
	G11391	1	Flat Washer, 5/8" SAE
11	GA10908	1	Spring Mount
12	GB0196	1	Washer
13	GD7831	1	Compression Spring
14	GA10907	1	Spring Guide
15	G11122	1	Hex Head Cap Screw, 5/8"-11 x 12"
	G10107	1	Lock Nut, 5/8"-11
16	G10026	2	Hex Head Cap Screw, 3/4"-10 x 2"
	G10231	2	Lock Washer, 3/4"
17	G11042	2	Hex Head Cap Screw, 3/4"-10 x 1 3/4"
	G10231	2	Lock Washer, 3/4"
	G10105	2	Hex Nut, 3/4"-10
18	GD13744	1	Hose Holder
19	GR1146	1	Sprocket, 18 Tooth
20	---	-	See "Liquid Fertilizer Piston Pump, NGP-7055" on page P138
21	GD2558	1	Lynch Pin, 1/4"
22	G10007	2	Hex Head Cap Screw, 5/8"-11 x 1 1/2"
	G11391	2	Flat Washer, 5/8" SAE
	G10230	2	Lock Washer, 5/8"
	G10104	2	Hex Nut, 5/8"-11
23	GA10894	1	Pump Mount
24	G10017	2	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
	G11389	2	Flat Washer, 1/2" SAE
	G10228	2	Lock Washer, 1/2"
	G10102	2	Hex Nut, 1/2"-13
25	GD13328	1	Scraper
26	G10013	1	Hex Head Cap Screw, 5/8"-11 x 3 1/2"
	G11391	1	Flat Washer, 5/8" SAE
	G10230	1	Lock Washer, 5/8"
	G10104	1	Hex Nut, 5/8"-11
27	GA0262	1	Idler Sprocket W/Bearing, 15 Tooth
28	GD7817-05	1	Spacer, 1 1/16" I.D. x 1 1/4" Long
29	GD0844	1	Tire, 7.60" x 15", 8 Ply (Specify Brand*)
30	GA2559	1	Spindle
31	GA0252	2	Seal
32	GA0251	2	Bearing
33	GR0267	5	Lug Nut, 1/2"-20

Continued on the next page.

ITEM	PART NO.	QTY.	DESCRIPTION
34	G2500-84	1	Sprocket, 48 Tooth
35	G10019	4	Hex Head Cap Screw, 5/16"-18 x 1"
	G10232	4	Lock Washer, 5/16"
36	GD0831	2	Shoulder Nut, 1 1/4"-12 UNF-2A
37	GA0547	1	Hub W/Cups And Studs, 5 Bolt
	GR0190	2	Cup
	GR0204	5	Stud
38	G3200-63	1	Chain, No. 2050, 63 Pitch Including Connector Link
	GR0195	1	Connector Link, No. 2050
	GR0200	1	Offset Link, No. 2050
39	GA17684	1	R.H. Wheel Arm Mount
	GA17683	-	L.H. Wheel Arm Mount (Shown)

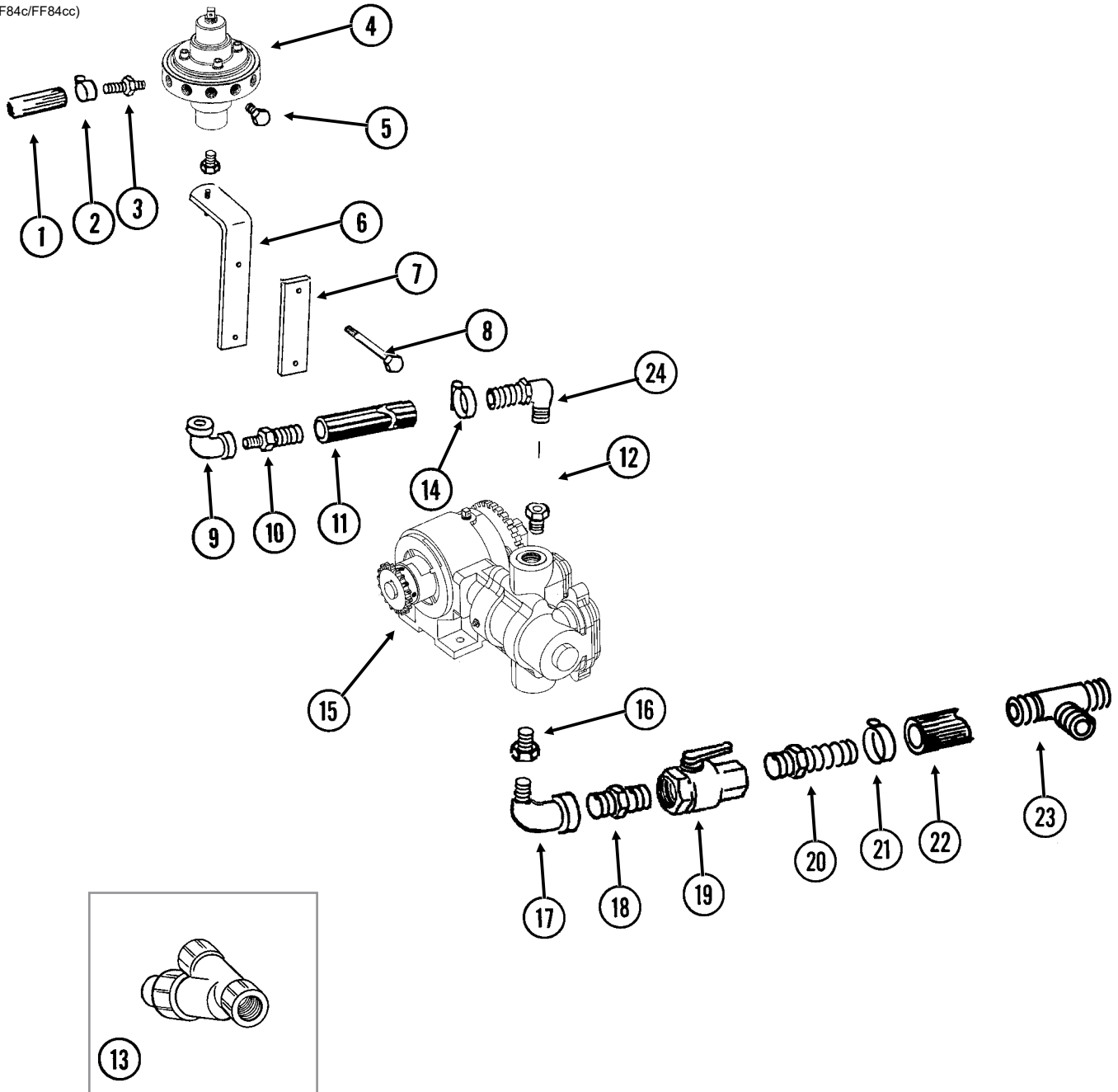
*Specific brand requests will be supplied only as available from current Kinze Repair Parts stock. If a specific brand requested is not in stock, the brand available will be supplied. Different brand tires may have different diameters. Change in tire brand may affect rates. Field checks are recommended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

(A18821a)



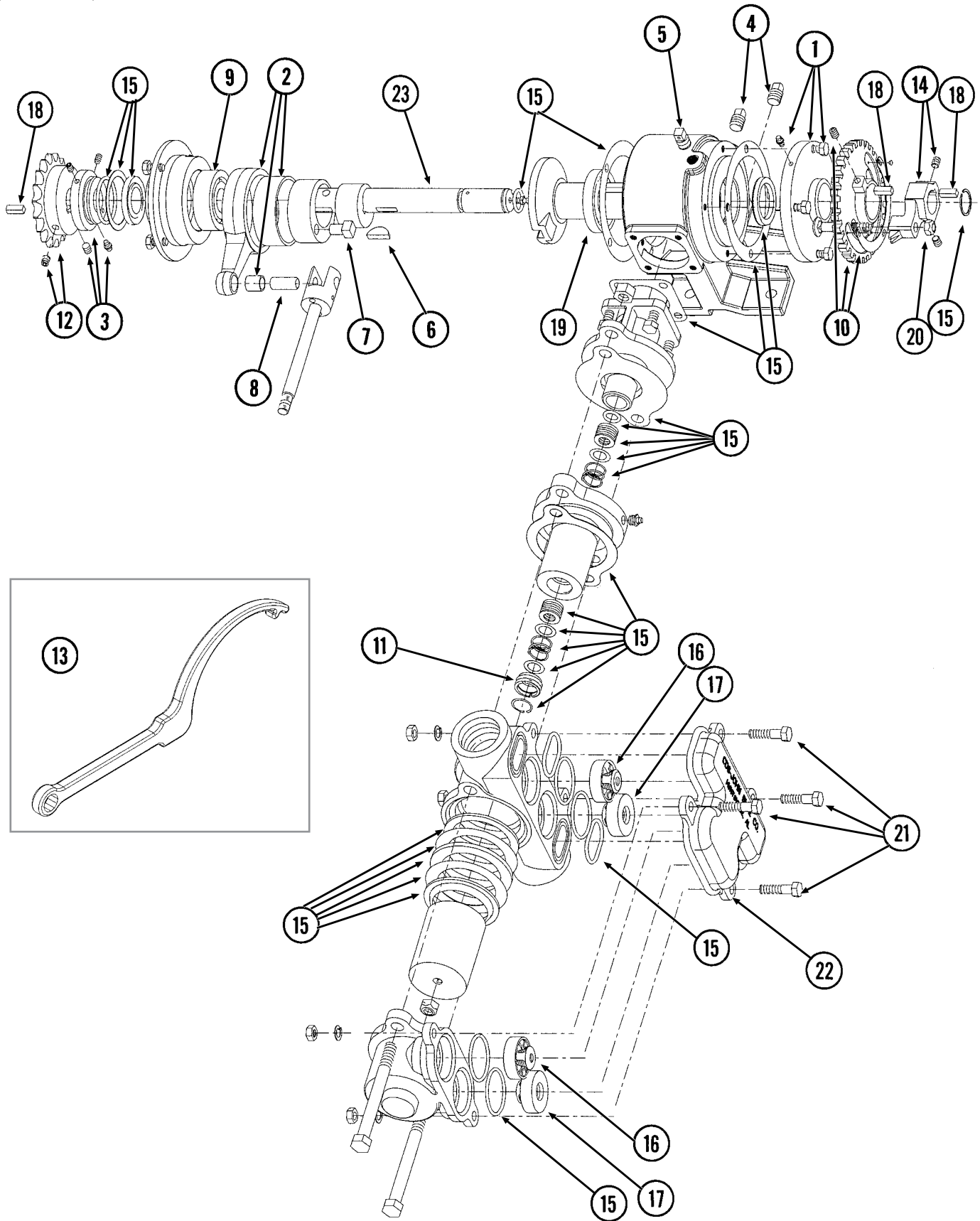
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA18822	-	Liquid Fertilizer Tube
2	GA20583	-	Check Valve Assembly

(FF84c/FF84cc)



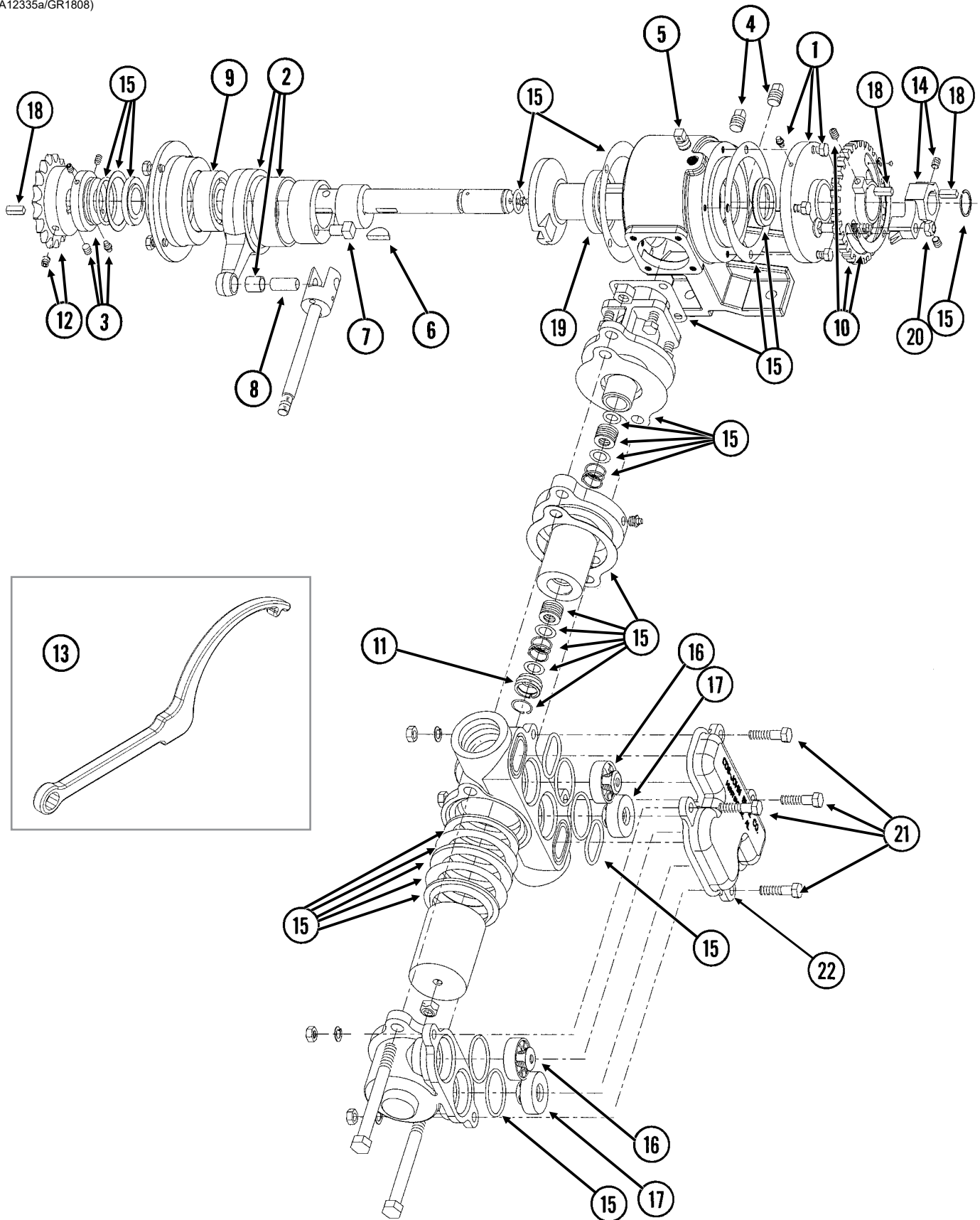
ITEM	PART NO.	QTY.	DESCRIPTION
1	G4301-08	-	Hose, 3/8" x 250', 24 And 36 Row
2	G10681	-	Hose Clamp, No. 6
3	GD11700	18-24	Adapter, 1/4" NPT To 3/8" Barb
4	---	-	See "Liquid Fertilizer Piston Pump Flow Divider" on page P140
5	G10292	-	Pipe Plug, 1/4" NPT
6	GA6527	2	Mount, 3/4" NPT
7	GD10248	2	Bar
8	G10152	2	Hex Head Cap Screw, 5/8"-11 x 9"
	G10230	2	Lock Washer, 3/8"
	G10104	2	Hex Nut, 5/8"-11
9	G10733	2	Elbow, 90°, 3/4" Female NPT
10	G10734	2	Adapter, 3/4" NPT To Barb
11	G4205-10	2	Hose, 3/4" x 200"
12	G11237	2	Reducing Bushing, 1 1/2" Male NPT To 3/4" Female
13	GA3893	1	Strainer Complete
	GR0880	-	Screen, No. 40 Mesh
	GR0881	-	Gasket
	GR0882	-	Y-Body
	GR0883	-	End Cap
14	G10278	-	Hose Clamp, No. 16
15	---	-	See "Liquid Fertilizer Piston Pump, NGP-6055" on page P136 See "Liquid Fertilizer Piston Pump, NGP-7055" on page P138
16	G10615	2	Reducing Bushing, 1 1/2" Male NPT To 1 1/4" Female
17	G10887	2	Elbow, 90°, 1 1/4" Male NPT To Female
18	G10619	2	Close Nipple, 1 1/4" NPT
19	GA4976	2	Shutoff Valve, 1 1/4" NPT
	GR1015	-	Body O-Ring
	GR1016	-	Stem O-Ring
	GR1017	-	Teflon Seat
	GR1018	-	Ball
	GR1019	-	Handle
20	G10626	4	Adapter, 1 1/4" NPT To Barb
21	G10674	2	Hose Clamp, No. 24
22	G4200-01	1	Hose, 1 1/4" x 22'
23	G10633	1	Tee, 1 1/4" Barb
24	G10917	2	Elbow, 90°, 3/4" NPT To Barb

(A12335a/GR1808)



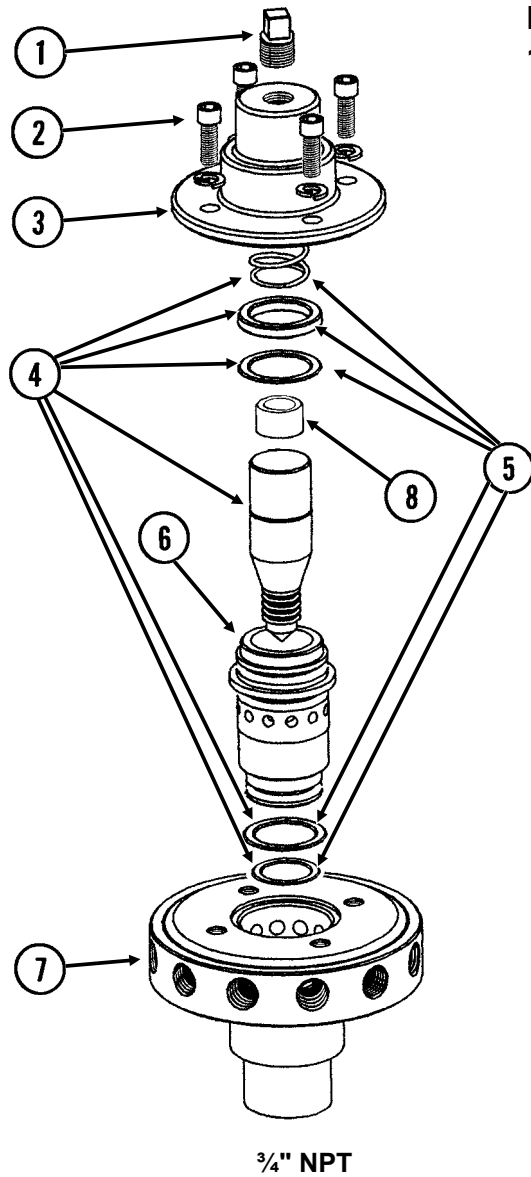
ITEM	PART NO.	QTY.	DESCRIPTION
1	GR1804	1	Flange Cover Assembly
	G10991	4	Hex Head Cap Screw, 5/16"-18 x 7/8"
2	GR1802	1	Connecting Rod Assembly
3	GR1801	1	Spacer Assembly
	G10693	3	Hex Socket Head Set Screw, 5/16"-18 x 3/8"
4	GR1123	2	Plug
5	GR1543	1	Vent Plug
6	GR1112	1	Woodruff Key
7	GR1120	1	Eccentric 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 1 1/2"
	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
23	GR2185	1	Crankshaft
A	GA12330	-	Piston Pump Complete W/18 Tooth Sprocket (Model NGP-6055)

(A12335a/GR1808)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GR1804	1	Flange Cover Assembly
	G10991	4	Hex Head Cap Screw, 5/16"-18 x 7/8"
2	GR1803	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	GR1146	1	Sprocket, 18 Tooth
13	GR1808	1	Adjustment Wrench
14	GR1806	1	Setting Pointer Assembly
15	GR1796	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	GR1800	2	Discharge Valve Assembly
17	GR1798	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 1 1/2"
	G11387	4	Flat Washer, 3/8" SAE
	G10229	4	Lock Washer, 3/8"
	G10101	4	Hex Nut, 3/8"-16
22	GR2011	1	Valve Cover, NPG-7055
A	GA12335	-	Piston Pump Complete W/18 Tooth Sprocket (Model NGP-7055)

(FRTZ202c)

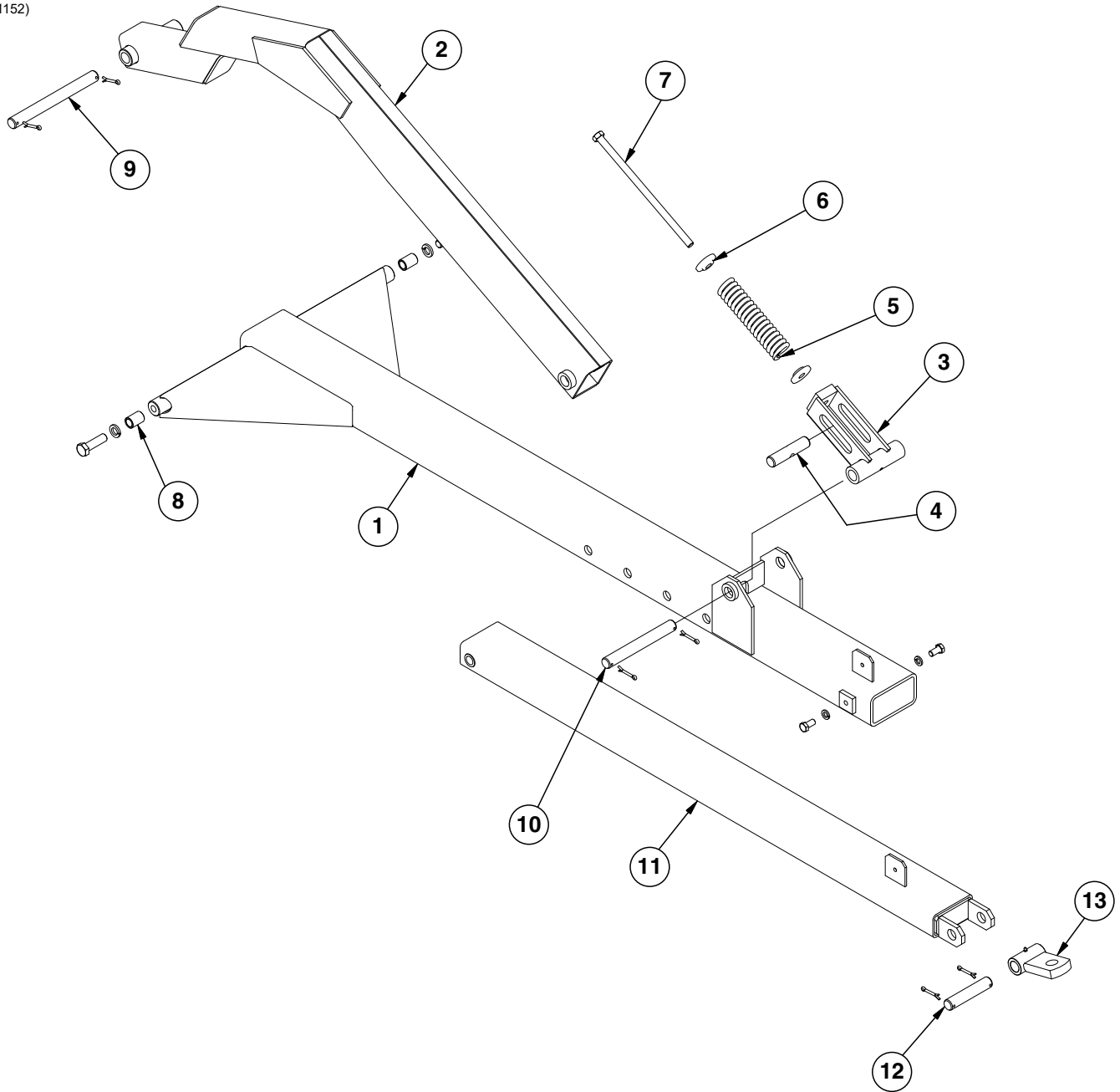


**Model FD-1200 Flow Divider,
12 Outlet**

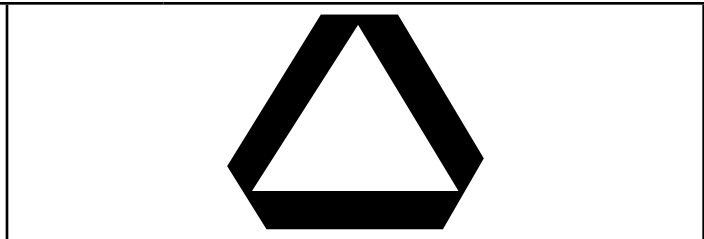
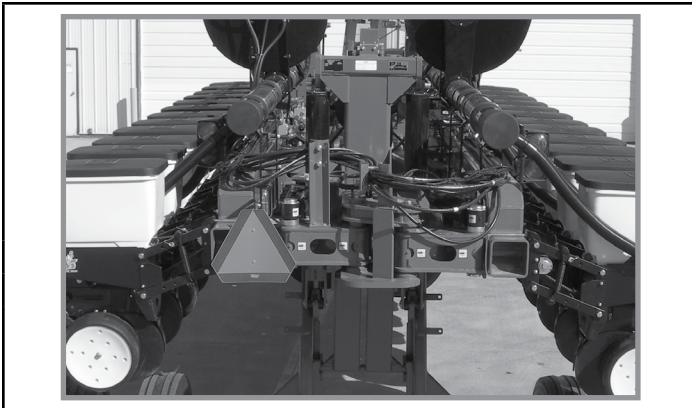
ITEM	PART NO.	QTY.	DESCRIPTION
1	GR1543	1	Vent Plug
2	GR1542	4	Hex Socket Head Screw, 1/4"-20 x 3/4", Stainless Steel
	GR1541	4	Lock Washer, 1/4", Stainless Steel
3	GR1540	1	Cap
4	GR1544	1	Needle Assembly W/Seal Kit (Item 5)
5	GR1545	1	Seal Kit, Includes: (3) O-Rings, (1) Seal, (1) Spring
6	GR1535	1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

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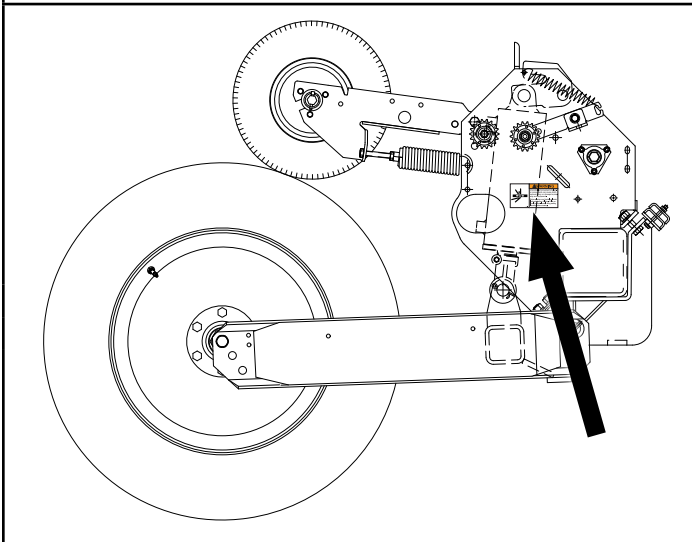
(IP1152)



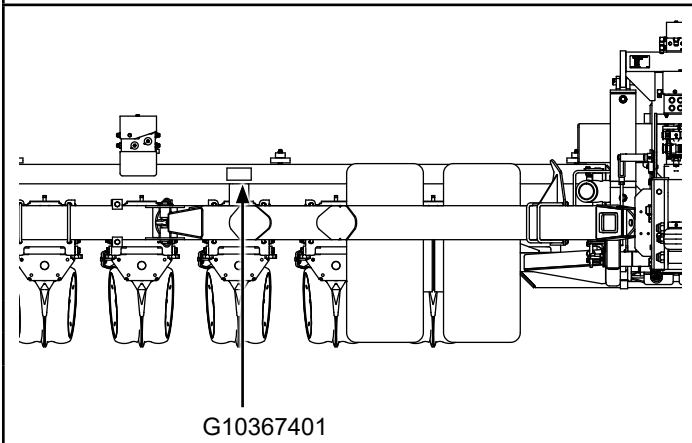
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA7254	1	Front Hitch
	G10055	2	Hex Head Cap Screw, 5/8"-11 x 1 1/4" (Stop Bolt)
	G10230	2	Lock Washer, 5/8"
2	GA9408	1	Top Link W/Grease Fitting
3	GA7258	1	Side Link W/Grease Fitting
4	GD10296	1	Pin, 1 1/4" x 5 1/2"
5	GD10273	1	Compression Spring
6	GD34923	2	Spring Seat
7	GD7907	1	Special Bolt
8	GD10297	2	Bushing, 1 3/4"
	G10441	2	Hex Head Cap Screw, 7/8"-9 x 3", Grade 8
	G10330	2	Lock Washer, 7/8"
9	GD3547	1	Pin, 1 1/4" x 12 3/4"
	G10460	2	Cotter Pin, 1/4" x 2"
10	GD1702	1	Pin, 1 1/4" x 10 1/4"
	G10460	2	Cotter Pin, 1/4" x 2"
11	GA7256	1	Rear Hitch
12	GD8839	1	Pin, 1 1/4" x 6 1/4"
	G10460	2	Cotter Pin, 1/4" x 2"
13	GA6177	1	Clevis W/Grease Fitting



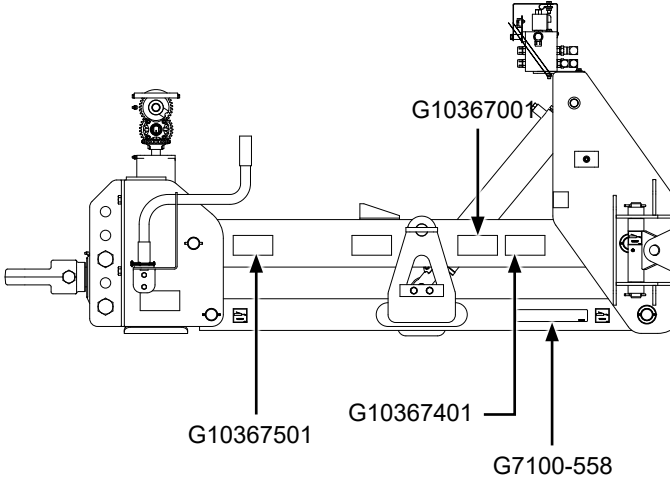


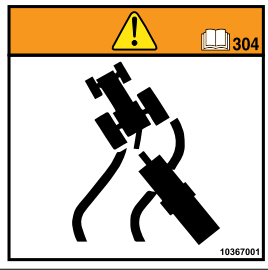
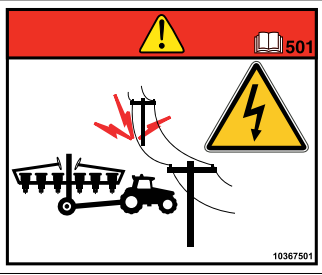
Part No.: GD2199
Description: SMV Sign
Quantity: 1

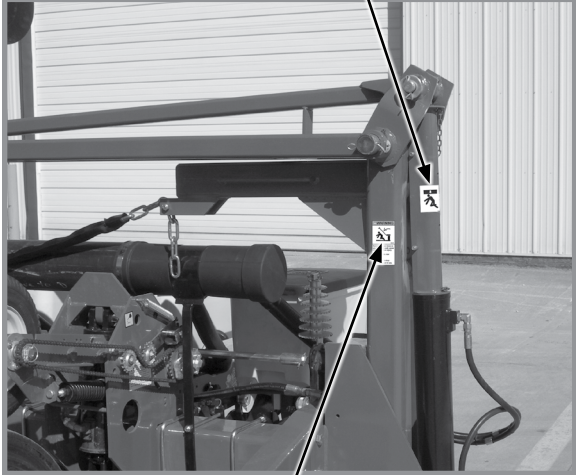


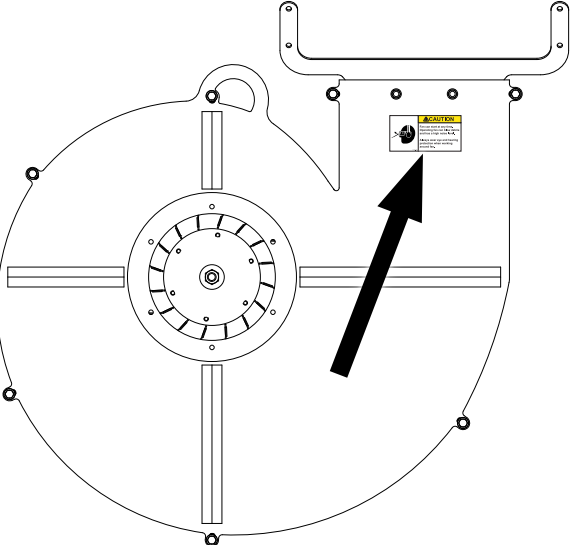



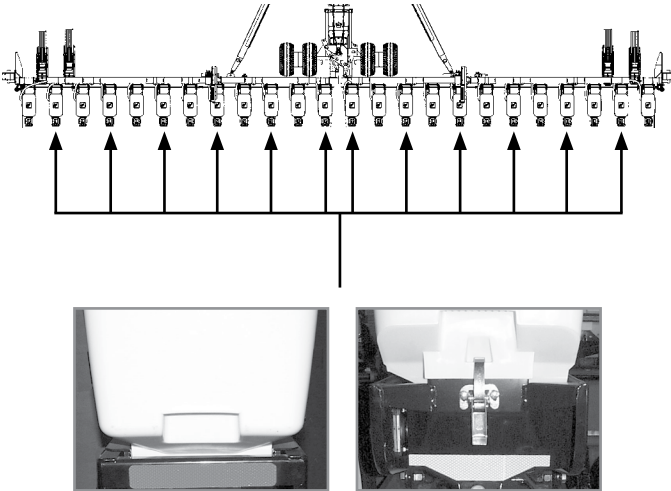

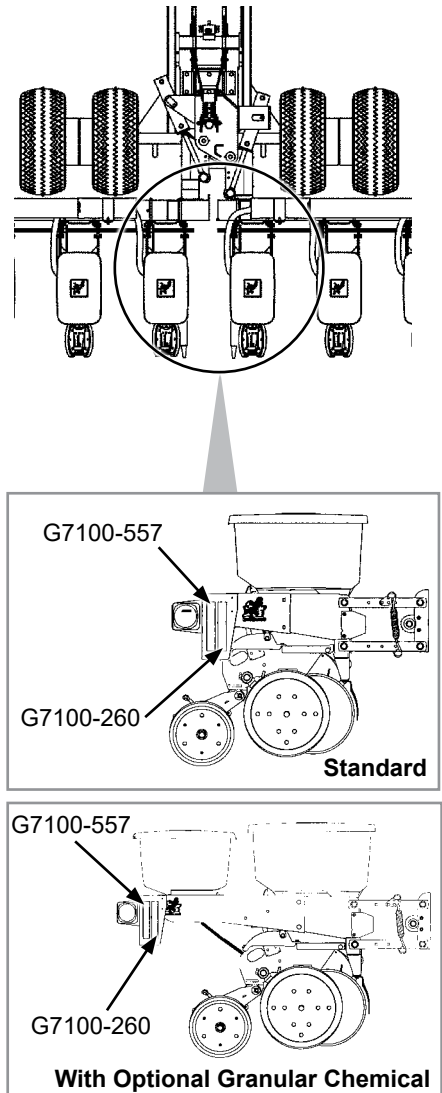

Part No.: G10366801
Description: Decal, Warning (2021 Production and on)
Quantity: 1 (Per Contact Wheel Assembly)

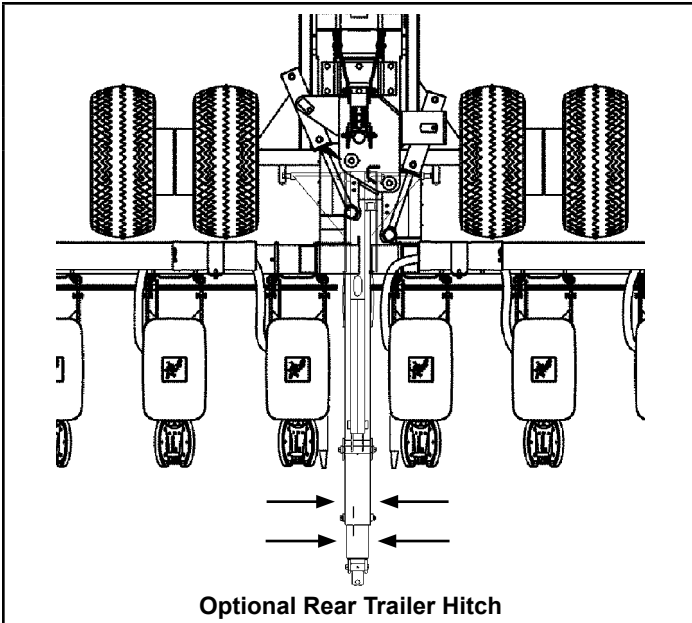


Part No.: G10367401
Description: Decal, Crush Warning (2021 Production and on)
Quantity: 1

	
	<p>Part No.: G10367401 Description: Decal, Crush Warning (2021 Production and on) Quantity: 1</p>
	
	<p>Part No.: G7100-558 Description: Reflective Decal, Amber, 2" x 9", Rectangular Quantity: 2 (one located on each side of hitch)</p>
	
<p>Part No.: G10367001 Description: Decal, Warning (2021 Production and on) Quantity: 1</p>	
	
<p>Part No.: G10367501 Description: Decal, Danger Quantity: 1</p>	

 <p>G10367401</p> <p>G10366901</p>	
<p>Part No.: G10367401 Description: Decal, Crush Warning (2021 Production and on) Quantity: 1</p>	
<p>Part No.: G10366901 Description: Decal, Warning (2021 Production and on) Quantity: 1 (Per Row Marker Cylinder - Conventional) 4 (2 Per Row Marker)</p>	
	<p>Part No.: G10367101 Description: Decal, Caution Quantity: 4 (One On Each Side Of Fan)</p>

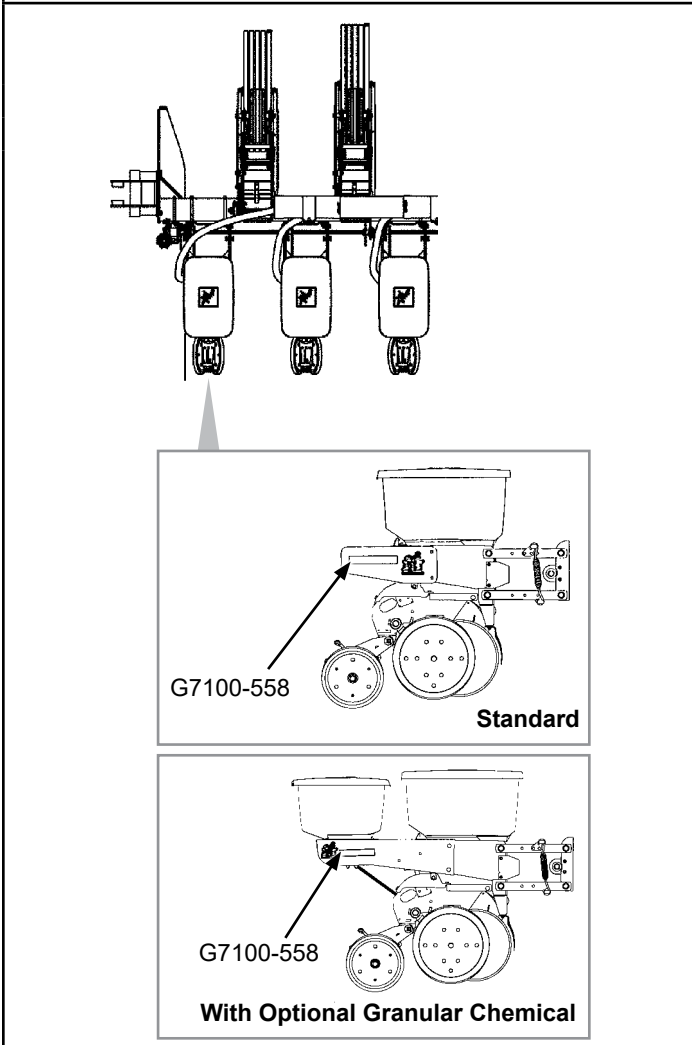
 <p>Note: 12 decals are used on 24 Row 70 cm</p>	 <p>Part No.: G7100-558 Description: Reflective Decal, Amber, 2" x 9", Rectangular Quantity: 1 (Per Row Unit - Located On The Granular Chemical Hopper Panel Extension on Every Other Row Unit Beginning On The 2nd row unit in on the L.H. end of the Planter) (With Optional Granular Chemical)</p> <p>Part No.: G7100-262 Description: Reflective Decal, Amber, 1¾" x 9", Die-Cut Quantity: 1 (Per Row Unit - Located On The Hopper Support on Every Other Row Unit Beginning on the 2nd row unit in on the L.H. end of the Planter) (Standard)</p>
 <p>Standard</p> <p>With Optional Granular Chemical</p>	 <p>Part No.: G7100-557 Description: Reflective Decal, Red, 2" x 9" Rectangular Quantity: 2 (Located On The Two Center Row Units - Rear-Facing In Transport Position)</p> <p>Part No.: G7100-260 Description: Reflective Decal, Orange, 1½" x 9" Rectangular Quantity: 2 (Located On The Two Center Row Units - Rear-Facing In Transport Position)</p>



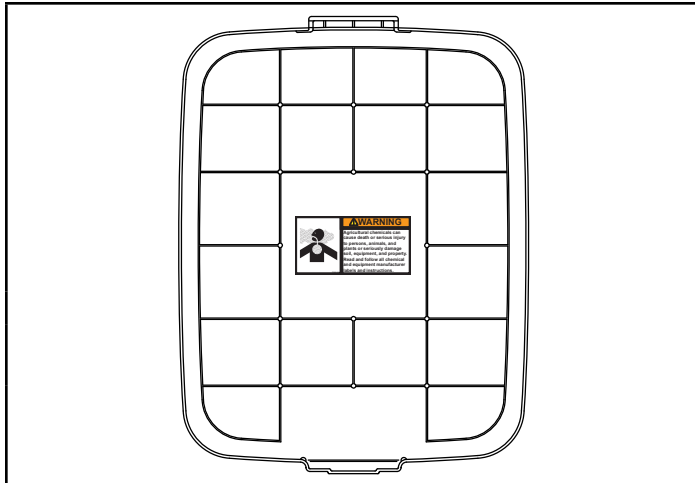
Optional Rear Trailer Hitch



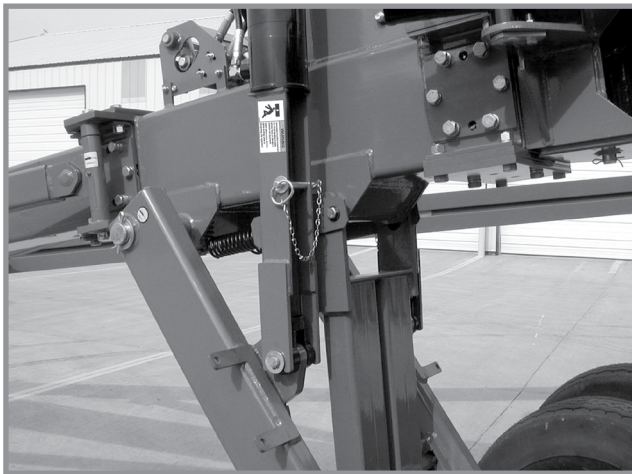
Part No.: G7100-558
Description: Reflective Decal, Amber, 2" x 9", Rectangular
Quantity: 4



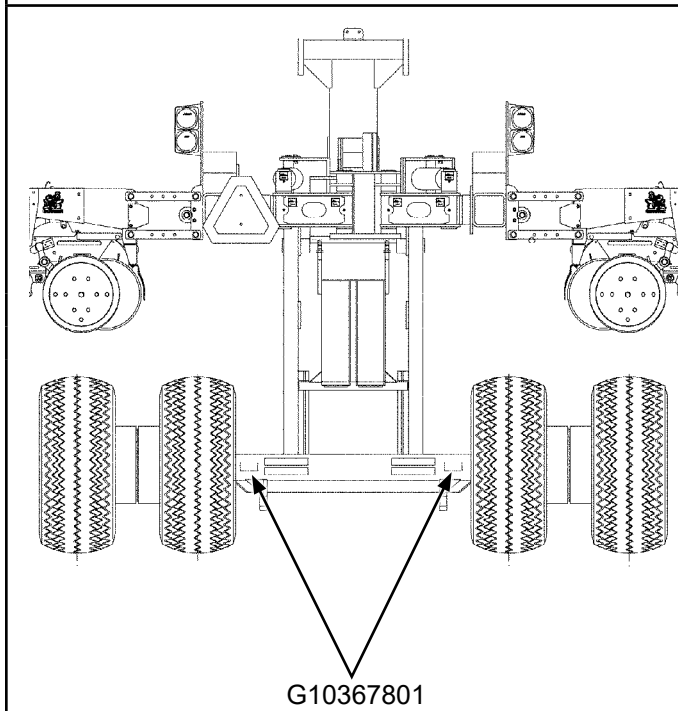
Part No.: G7100-558
Description: Reflective Decal, Amber, 2" x 9", Rectangular
Quantity: 2 (Located On The Outside Row Unit On Each End Of The Planter - Forward-Facing In Transport Position)



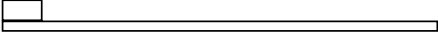
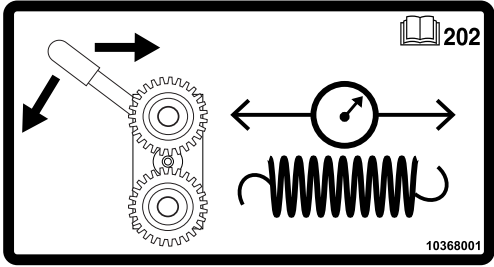

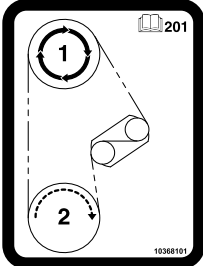
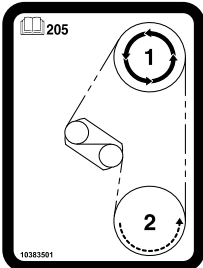
Part No.: G10367601
 Description: Decal, Chemical Warning (2021 Production and on)
 Quantity: 1 (1 Per Row Unit - Located On Underside Of Granular Chemical Hopper Lid)

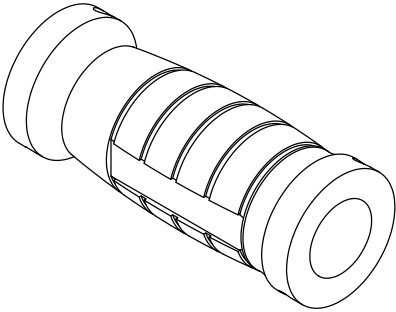
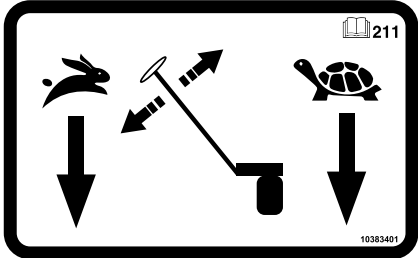
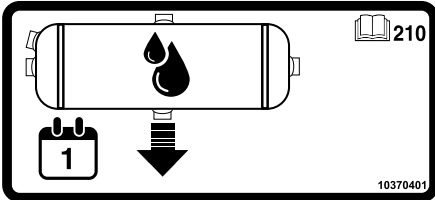


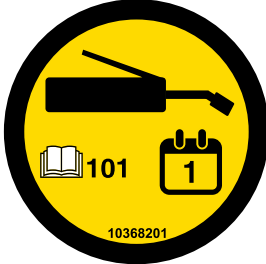




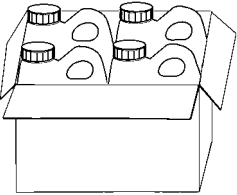
Part No.: G10367401
 Description: Decal, Crush Warning (2021 Production and on)
 Quantity: 1




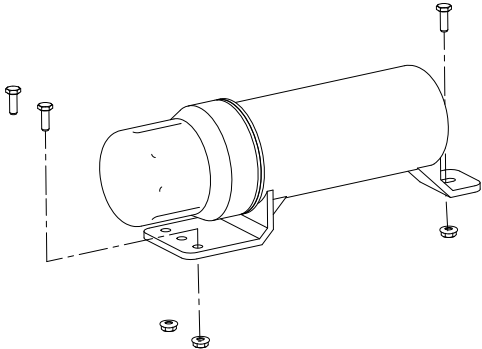
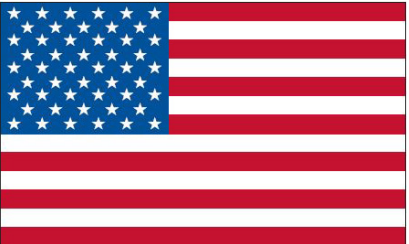


Part No.: G10367801
 Description: Decal, Warning
 Quantity: 2 (Per Tire - Ground Drive Tires)

	<p>Part No.: GD1162 Description: Tie Strap, 28"</p> <p>Part No.: GD1512 Description: Tie Strap, 7½"</p> <p>Part No.: GD2117 Description: Tie Strap, 14½"</p> <p>Part No.: GD2984 Description: Tie Strap, 34"</p>
	<p>Part No.: G10368001 Description: Decal, Spring Tension Release Quantity: -</p>
	<p>Part No.: G10367201 Description: Decal, Warning Quantity: 1</p>
	<p>Part No.: G10368101 Description: Decal, Transmission (2021 Production and on) Quantity: 1</p>
	<p>Part No.: G10383501 Description: Decal, Transmission (2021 Production and on) Quantity: 1</p>

	<p>Part No.: GA26924-01 Description: Hose Label Cover, Red, Extend</p> <p>Part No.: GA26924-02 Description: Hose Label Cover, Red, Retract</p> <p>Part No.: GA26924-03 Description: Hose Label Cover, Blue, Extend</p> <p>Part No.: GA26924-04 Description: Hose Label Cover, Blue, Retract</p> <p>Part No.: GA26924-05 Description: Hose Label Cover, Green, Extend</p> <p>Part No.: GA26924-06 Description: Hose Label Cover, Green, Retract</p> <p>Part No.: GA26924-07 Description: Hose Label Cover, Yellow, Extend</p> <p>Part No.: GA26924-08 Description: Hose Label Cover, Yellow, Retract</p> <p>Part No.: GA26924-09 Description: Hose Label Cover, White, Extend</p> <p>Part No.: GA26924-10 Description: Hose Label Cover, White, Retract</p> <p>Part No.: GA26924-11 Description: Hose Label Cover, Orange, Retract</p>
	<p>Part No.: G10383401 Description: Decal, Flow Control</p>
	<p>Part No.: G10371801 Description: Decal, Tank Drain</p>

	<p>Part No.: G10368201 Description: Decal, Oil/Grease Daily (2021 Production and on)</p>
	<p>Part No.: G10371501 Description: Decal, Oil/Grease Weekly (2021 Production and on)</p>
	<p>Part No.: GR2127MPP Description: Blue Paint, Twelve Aerosol Cans</p>
	<p>Part No.: GR0146 Description: Powdered Graphite, 1 Pound Container</p> <p>Part No.: GR0146MPP Description: Powdered Graphite, Twenty-Four 1 Pound Containers</p>
	<p>Part No.: GR1570MPP Description: Talc Lubricant, Four 8 Pound Containers</p> <p>Part No.: GR2334 Description: Talc Lubricant, 40 Pound Container</p>
	<p>Part No.: GR1842MPP Description: Graphite Lubricant, Four 5 Pound Containers</p>

	<p>Part No.: GR2240MPP Description: Talc/Graphite Blend (80 Talc/20 Graphite), Four 8 Pound Containers</p>
	<p>Part No.: G10073901 Description: Decal, Kinze 3705 Quantity: 2 (1 on each side of hitch)</p>
	<p>Part No.: GM0313-01 Description: Operator Manual, Model 3705</p> <p>Part No.: GM0313-02 Description: Parts Manual, Model 3705</p> <p>Part No.: GPR1094 Description: Binder (Contact Kinze Parts to Order)</p>
	<p>Part No.: GA15422 Description: Operator's Manual Canister Quantity: 1</p>
	<p>Part No.: G11166 Description: Hex Socket Flange Cap Screw, 1/4"-20 x 3/4" Quantity: 3</p>
	<p>Part No.: G11320 Description: Lock Nut, 1/4"-20 Quantity: 3</p>
	<p>Part No.: G7100-484 Description: Decal, American Flag</p>

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
*A1026.....	P111	*D12231.....	P89	G304-C-8.....	P39	G6400-08-10.....	P96
*A1031.....	P111	*D12232.....	P89	G304-C-8.....	P81	G6400-10.....	P45
*A1038.....	P111	*D12232.....	P90	G304-C-8.....	P93	G6400-10.....	P103
*A1044.....	P111	*D12245.....	P90	G306-08.....	P93	G6400-10-08.....	P57
*A1072.....	P111	*D12252.....	P90	G306-10.....	P39	G6400-10-08.....	P95
*A1146.....	P111	*D12263.....	P89	G2100-03.....	P65	G6400-10-08.....	P101
*A1189.....	P111	*D12263.....	P93	G2100-03.....	P129	G6400-10-08.....	P102
*A1412.....	P111	*D12264.....	P89	G2403-10.....	P37	G6400-12.....	P108
*A1421.....	P111	*D12264.....	P93	G2403-12.....	P37	G6402-08-10.....	P101
*A1424.....	P111	*D12265.....	P93	G2403-12.....	P39	G6408-06.....	P100
*A1465.....	P111	*D12280.....	P89	G2406-08-06.....	P111	G6408-08.....	P57
*A1475.....	P111	*D12280.....	P90	G2500-84.....	P132	G6408-08.....	P89
*A1485.....	P111	*D20990.....	P89	G2503-20.....	P39	G6408-08.....	P90
*A1487.....	P111	G1K248.....	P73	G2603-06.....	P37	G6408-08.....	P93
*A3119.....	P111	G1K248.....	P113	G2603-08.....	P111	G6408-08.....	P99
*A3140.....	P111	G1K248.....	P118	G2650-06.....	P111	G6408-10.....	P99
*A3161.....	P111	G1K248.....	P123	G2700-08.....	P93	G6408-H06-O.....	P96
*A3299.....	P111	G1K252.....	P73	G2701-10.....	P39	G6408-H06-O.....	P99
*A6852.....	P91	G1K252.....	P113	G3200-63.....	P132	G6408-H06-O.....	P102
*A7678-270.....	P111	G1K252.....	P118	G3302-05.....	P82	G6408-H08-0.....	P96
*A7679-436.....	P111	G1K252.....	P123	G3303-16.....	P3	G6408-HHP-16.....	P108
*A8208.....	P111	G1K255.....	P104	G3303-44.....	P19	G6410-16-08.....	P39
*A8300.....	P91	G1K267.....	P73	G3303-88.....	P19	G6500-06.....	P96
*A8927.....	P88	G1K267.....	P114	G3303-108.....	P3	G6500-06.....	P107
*A8950.....	P90	G1K267.....	P117	G3303-108.....	P23	G6500-06.....	P111
*A8960.....	P88	G1K268.....	P73	G3303-114.....	P24	G6500-08.....	P96
*A8969.....	P89	G1K268.....	P114	G3310-80.....	P79	G6500-08.....	P104
*A9582.....	P93	G1K268.....	P117	G3310-82.....	P65	G6500-08.....	P111
*A11810-120.....	P37	G1K269.....	P66	G3310-91.....	P128	G6500-10.....	P57
*A11810-124.....	P37	G1K269.....	P79	G3310-144.....	P69	G6500-10.....	P95
*A12000.....	P111	G1K274.....	P105	G3310-148.....	P69	G6502-06.....	P111
*A12531.....	P55	G1K274.....	P105	G3310-150.....	P69	G6502-08.....	P65
*A12535.....	P51	G1K275.....	P105	G3310-158.....	P69	G6502-08.....	P104
*A12937-24.....	P39	G1K276.....	P105	G3324-01.....	P87	G6502-08.....	P111
*A14700.....	P52	G1K296.....	P11	G3400-01.....	P65	G6502-10.....	P57
*A15092-32.....	P37	G1K320.....	P32	G3400-01.....	P129	G6600-08.....	P100
*A15094-34.....	P111	G1K320.....	P73	G4200-01.....	P135	G6600-10.....	P100
*A18666-40.....	P37	G1K320.....	P117	G4205-10.....	P135	G6801-06.....	P107
*A20273.....	P65	G1K321.....	P32	G4301-08.....	P135	G6801-06-04.....	P34
*A25487-40.....	P37	G1K321.....	P73	G6325X.....	P7	G6801-06-08.....	P59
*A25707-120.....	P37	G1K321.....	P117	G6400-04.....	P103	G6801-06-08.....	P111
*A25707-124.....	P37	G1K322.....	P117	G6400-04.....	P104	G6801-06-10.....	P34
A26287.....	P23	G1K345.....	P13	G6400-06-08.....	P96	G6801-08.....	P47
*D12088.....	P90	G1K362.....	P118	G6400-06-08.....	P111	G6801-08.....	P65
*D12119.....	P93	G1K362.....	P123	G6400-08.....	P45	G6801-08.....	P81
*D12120.....	P93	G1K363.....	P118	G6400-08.....	P81	G6801-08.....	P95
*D12121.....	P89	G1K363.....	P123	G6400-08.....	P99	G6801-08.....	P97
*D12137.....	P89	G1K378.....	P79	G6400-08.....	P102	G6801-08.....	P100
*D12204.....	P93	G1K379.....	P79	G6400-08.....	P104	G6801-08.....	P111
*D12206.....	P90	G1K395.....	P73	G6400-08.....	P111	G6801-08-10.....	P34
*D12221.....	P93	G1K396.....	P73	G6400-08-04.....	P81	G6801-10.....	P99
*D12222.....	P93	G1K758.....	P7	G6400-08-04.....	P93	G6801-10.....	P107

Numerical Index

M0313-02

Model 3705

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G6801-10.....	P108	G10005.....	P9	G10027.....	P81	G10101.....	P57
G6801-10-08.....	P57	G10005.....	P131	G10028.....	P55	G10101.....	P57
G6801-10-08.....	P95	G10006.....	P29	G10031.....	P11	G10101.....	P71
G6801-10-08.....	P97	G10006.....	P41	G10031.....	P123	G10101.....	P79
G6801-10-08.....	P100	G10006.....	P47	G10033.....	P29	G10101.....	P88
G6801-12.....	P37	G10006.....	P47	G10033.....	P81	G10101.....	P88
G6801-12.....	P39	G10006.....	P66	G10035.....	P66	G10101.....	P104
G6801-12-10.....	P107	G10007.....	P53	G10036.....	P30	G10101.....	P117
G6801-12-16.....	P39	G10007.....	P87	G10036.....	P59	G10101.....	P123
G6801-20.....	P37	G10007.....	P131	G10036.....	P65	G10101.....	P123
G6801-LL-10.....	P108	G10008.....	P69	G10037.....	P5	G10101.....	P129
G6801-LL-12.....	P39	G10009.....	P57	G10038.....	P61	G10101.....	P129
G6802-08.....	P99	G10010.....	P11	G10038.....	P61	G10101.....	P129
G6804-08.....	P39	G10010.....	P27	G10038.....	P81	G10101.....	P137
G6835-16-16-16.....	P39	G10011.....	P59	G10040.....	P75	G10101.....	P139
G7100-260.....	P147	G10011.....	P128	G10041.....	P129	G10102.....	P29
G7100-262.....	P147	G10012.....	P131	G10042.....	P47	G10102.....	P29
G7100-557.....	P147	G10013.....	P13	G10043.....	P76	G10102.....	P45
G7100-558.....	P145	G10013.....	P59	G10043.....	P99	G10102.....	P49
G7100-558.....	P147	G10013.....	P131	G10045.....	P29	G10102.....	P59
G7100-558.....	P148	G10014.....	P3	G10045.....	P85	G10102.....	P65
G7100-558.....	P148	G10014.....	P11	G10047.....	P19	G10102.....	P79
G7633X.....	P113	G10016.....	P41	G10047.....	P37	G10102.....	P81
G7639X.....	P113	G10017.....	P37	G10047.....	P79	G10102.....	P85
G7786x.....	P48	G10017.....	P48	G10047.....	P81	G10102.....	P85
G8081X.....	P32	G10017.....	P59	G10047.....	P87	G10102.....	P128
G8647X.....	P117	G10017.....	P65	G10048.....	P57	G10102.....	P129
G9421X.....	P119	G10017.....	P66	G10048.....	P57	G10102.....	P131
G9903X.....	P21	G10017.....	P79	G10049.....	P71	G10103.....	P59
G9948X.....	P87	G10017.....	P131	G10053.....	P65	G10103.....	P71
G10001.....	P13	G10018.....	P86	G10053.....	P129	G10103.....	P71
G10001.....	P32	G10019.....	P11	G10054.....	P63	G10103.....	P75
G10001.....	P37	G10019.....	P47	G10054.....	P95	G10103.....	P100
G10001.....	P45	G10019.....	P48	G10054.....	P97	G10104.....	P7
G10001.....	P117	G10019.....	P74	G10055.....	P49	G10104.....	P7
G10001.....	P123	G10019.....	P85	G10055.....	P143	G10104.....	P47
G10002.....	P9	G10019.....	P99	G10057.....	P59	G10104.....	P47
G10002.....	P25	G10019.....	P123	G10060.....	P103	G10104.....	P57
G10002.....	P39	G10019.....	P129	G10061.....	P3	G10104.....	P59
G10003.....	P3	G10019.....	P132	G10061.....	P15	G10104.....	P59
G10003.....	P99	G10021.....	P113	G10062.....	P37	G10104.....	P65
G10003.....	P129	G10022.....	P59	G10062.....	P95	G10104.....	P66
G10003.....	P137	G10023.....	P25	G10062.....	P104	G10104.....	P81
G10003.....	P139	G10023.....	P37	G10062.....	P129	G10104.....	P115
G10004.....	P7	G10023.....	P45	G10064.....	P13	G10104.....	P128
G10004.....	P27	G10023.....	P71	G10064.....	P115	G10104.....	P129
G10004.....	P45	G10023.....	P75	G10069.....	P57	G10104.....	P129
G10004.....	P57	G10025.....	P55	G10071.....	P3	G10104.....	P131
G10004.....	P79	G10025.....	P55	G10071.....	P5	G10104.....	P131
G10004.....	P99	G10026.....	P59	G10087.....	P89	G10104.....	P131
G10004.....	P129	G10026.....	P67	G10093.....	P129	G10104.....	P135
G10005.....	P7	G10026.....	P131	G10101.....	P13	G10105.....	P55

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G10105	P59	G10110	P85	G10216	P11	G10230	P53
G10105	P81	G10110	P113	G10217	P41	G10230	P59
G10105	P131	G10110	P115	G10227	P39	G10230	P59
G10106	P43	G10111	P13	G10227	P59	G10230	P66
G10106	P47	G10111	P29	G10227	P71	G10230	P81
G10106	P65	G10111	P29	G10227	P71	G10230	P115
G10106	P74	G10111	P30	G10227	P71	G10230	P128
G10106	P75	G10111	P37	G10227	P75	G10230	P129
G10106	P95	G10111	P41	G10227	P75	G10230	P129
G10106	P97	G10111	P48	G10227	P79	G10230	P131
G10106	P103	G10111	P59	G10227	P100	G10230	P131
G10106	P129	G10111	P61	G10228	P5	G10230	P131
G10107	P13	G10111	P61	G10228	P11	G10230	P135
G10107	P30	G10111	P65	G10228	P29	G10230	P143
G10107	P41	G10111	P81	G10228	P29	G10231	P55
G10107	P57	G10112	P49	G10228	P48	G10231	P55
G10107	P61	G10120	P57	G10228	P59	G10231	P59
G10107	P65	G10128	P65	G10228	P65	G10231	P59
G10107	P69	G10130	P65	G10228	P66	G10231	P67
G10107	P78	G10130	P78	G10228	P66	G10231	P81
G10107	P87	G10131	P79	G10228	P79	G10231	P131
G10107	P131	G10133	P13	G10228	P81	G10231	P131
G10107	P131	G10133	P27	G10228	P85	G10232	P43
G10108	P3	G10133	P29	G10228	P85	G10232	P47
G10108	P15	G10133	P43	G10228	P85	G10232	P65
G10108	P16	G10133	P95	G10228	P128	G10232	P74
G10108	P23	G10133	P123	G10228	P131	G10232	P75
G10108	P32	G10145	P66	G10229	P13	G10232	P95
G10108	P37	G10152	P81	G10229	P25	G10232	P95
G10108	P47	G10152	P123	G10229	P27	G10232	P97
G10108	P57	G10152	P131	G10229	P39	G10232	P97
G10108	P65	G10152	P135	G10229	P57	G10232	P99
G10108	P81	G10157	P47	G10229	P71	G10232	P129
G10108	P81	G10159	P81	G10229	P79	G10232	P132
G10108	P86	G10159	P81	G10229	P79	G10233	P65
G10108	P87	G10166	P65	G10229	P93	G10233	P69
G10108	P89	G10168	P85	G10229	P99	G10233	P78
G10108	P95	G10168	P85	G10229	P104	G10233	P79
G10108	P118	G10171	P34	G10229	P117	G10233	P128
G10108	P137	G10171	P39	G10229	P123	G10234	P49
G10108	P139	G10171	P45	G10229	P123	G10235	P39
G10109	P11	G10171	P75	G10229	P129	G10235	P65
G10109	P13	G10171	P76	G10229	P129	G10235	P69
G10109	P27	G10201	P16	G10229	P129	G10243	P123
G10109	P29	G10201	P19	G10229	P137	G10253	P71
G10109	P39	G10201	P23	G10229	P139	G10256	P75
G10109	P48	G10204	P9	G10230	P7	G10257	P24
G10109	P57	G10204	P11	G10230	P7	G10257	P71
G10109	P85	G10207	P3	G10230	P11	G10278	P66
G10110	P23	G10210	P87	G10230	P13	G10278	P135
G10110	P37	G10213	P27	G10230	P47	G10292	P135
G10110	P45	G10215	P55	G10230	P47	G10302	P129

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G10303	P65	G10460	P66	G10610	P66	G10686	P123
G10303	P69	G10460	P71	G10615	P135	G10687	P19
G10306	P137	G10460	P78	G10619	P135	G10689	P61
G10306	P139	G10460	P81	G10620	P3	G10693	P137
G10308	P13	G10460	P81	G10620	P15	G10693	P139
G10309	P15	G10460	P81	G10620	P19	G10722	P85
G10310	P19	G10460	P131	G10620	P23	G10725	P82
G10310	P23	G10460	P143	G10620	P34	G10725	P85
G10312	P3	G10460	P143	G10620	P43	G10727	P86
G10312	P23	G10460	P143	G10620	P45	G10732	P7
G10312	P115	G10461	P49	G10620	P69	G10733	P135
G10315	P23	G10461	P59	G10620	P76	G10734	P135
G10324	P55	G10461	P81	G10620	P76	G10746	P100
G10325	P9	G10475	P21	G10620	P115	G10751	P7
G10325	P23	G10475	P47	G10620	P123	G10752	P7
G10326	P16	G10478	P59	G10620	P123	G10752	P15
G10328	P93	G10478	P78	G10620	P123	G10756	P47
G10330	P143	G10478	P129	G10621	P15	G10757	P23
G10338	P15	G10496	P71	G10621	P19	G10757	P123
G10338	P19	G10496	P79	G10621	P23	G10758	P23
G10338	P43	G10497	P71	G10621	P25	G10758	P123
G10338	P65	G10501	P29	G10622	P9	G10760	P52
G10341	P75	G10501	P65	G10622	P45	G10763	P53
G10341	P76	G10501	P69	G10622	P66	G10763	P55
G10348	P29	G10502X	P1	G10626	P135	G10765	P27
G10348	P49	G10503	P27	G10633	P135	G10765	P71
G10359	P59	G10536	P81	G10640	P47	G10769	P52
G10360	P59	G10544	P82	G10640	P47	G10779	P128
G10360	P59	G10544	P85	G10640	P49	G10804	P71
G10371	P29	G10546	P15	G10640	P59	G10821	P59
G10374	P71	G10546	P24	G10640	P66	G10821	P79
G10396	P47	G10546	P71	G10640	P66	G10831	P51
G10397	P65	G10551	P3	G10640	P66	G10831	P51
G10409	P78	G10560	P57	G10640	P78	G10840	P48
G10409	P129	G10567	P15	G10640	P81	G10844	P85
G10430	P77	G10567	P24	G10640	P81	G10859	P71
G10438	P3	G10570	P24	G10640	P81	G10860	P65
G10440	P49	G10574	P29	G10640	P91	G10864	P23
G10441	P143	G10574	P30	G10640	P91	G10875	P65
G10451	P57	G10581	P81	G10641	P48	G10880	P34
G10453	P77	G10581	P128	G10641	P129	G10887	P135
G10455	P59	G10583	P97	G10641	P131	G10890	P69
G10455	P79	G10595	P65	G10643	P47	G10900	P71
G10460	P47	G10599	P13	G10660	P24	G10901	P19
G10460	P47	G10599	P66	G10670	P23	G10909	P45
G10460	P51	G10602	P15	G10670	P25	G10917	P135
G10460	P51	G10602	P24	G10670	P59	G10918	P65
G10460	P51	G10602	P69	G10671	P87	G10923	P65
G10460	P51	G10602	P79	G10674	P135	G10923	P78
G10460	P51	G10602	P128	G10681	P45	G10927	P123
G10460	P55	G10606	P57	G10681	P135	G10928	P123
G10460	P59	G10606	P66	G10686	P86	G10931	P123

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G10937	P37	G11066	P99	G11386	P129	G11448	P21
G10937	P61	G11067	P95	G11387	P3	G11453	P79
G10939	P88	G11067	P97	G11387	P13	G11514	P7
G10939	P88	G11067	P99	G11387	P13	G11556	P21
G10939	P89	G11073	P24	G11387	P15	G11578	P21
G10940	P11	G11075	P79	G11387	P16	G11591	P3
G10948	P90	G11076	P47	G11387	P19	G11592	P3
G10958	P88	G11078	P79	G11387	P23	G11618	P21
G10958	P88	G11081	P67	G11387	P32	G11619	P20
G10958	P91	G11089	P93	G11387	P34	G11619	P21
G10958	P91	G11091	P7	G11387	P37	G11693	P21
G10960	P48	G11091	P19	G11387	P39	G11742	P86
G10966	P23	G11091	P45	G11387	P45	G11793	P24
G10972	P93	G11091	P61	G11387	P47	G11848	P34
G10974	P27	G11091	P99	G11387	P65	G11862	P13
G10977	P95	G11100	P79	G11387	P71	G11874	P87
G10977	P97	G11122	P131	G11387	P79	G11960	P118
G10977	P99	G11124	P34	G11387	P81	G11960	P118
G10982	P55	G11142	P45	G11387	P95	G11961	P118
G10984X	P1	G11152X	P21	G11387	P103	G11976	P7
G10987	P89	G11153X	P21	G11387	P118	G12002-35	P41
G10991	P45	G11154X	P21	G11387	P129	G12002-60	P41
G10991	P137	G11166	P153	G11387	P129	G12015	P41
G10991	P139	G11172	P21	G11387	P137	G12039	P41
G10992	P74	G11186	P47	G11387	P139	G12103	P120
G10992	P74	G11202	P118	G11389	P5	G12212-08	P120
G10996	P71	G11202	P118	G11389	P27	G10011101	P7
G10996	P105	G11209	P23	G11389	P37	G10011201	P7
G10996	P105	G11215	P32	G11389	P45	G10018801	P9
G10996	P105	G11215	P45	G11389	P65	G10028601	P11
G10996	P105	G11220	P5	G11389	P128	G10028701	P11
G10996	P113	G11228	P27	G11389	P129	G10028801	P11
G11009	P21	G11236	P27	G11389	P131	G10037301	P9
G11012	P47	G11237	P135	G11391	P5	G10038601	P3
G11015	P3	G11281	P21	G11391	P13	G10049501	P37
G11018	P5	G11311	P75	G11391	P19	G10073901	P153
G11030	P48	G11320	P34	G11391	P47	G10087001	P39
G11031	P48	G11320	P153	G11391	P49	G10090401	P9
G11032	P47	G11385	P23	G11391	P61	G10098201	P39
G11034	P48	G11385	P24	G11391	P66	G10098301	P37
G11039X	P21	G11385	P114	G11391	P69	G10098401	P37
G11040X	P21	G11386	P11	G11391	P82	G10122301	P3
G11041X	P21	G11386	P11	G11391	P85	G10123401	P108
G11042	P131	G11386	P11	G11391	P87	G10141001	P65
G11042X	P21	G11386	P11	G11391	P128	G10170801	P39
G11046X	P21	G11386	P39	G11391	P131	G10201101	P119
G11047X	P21	G11386	P45	G11391	P131	G10229401	P118
G11048X	P21	G11386	P57	G11391	P131	G10254701	P119
G11066	P74	G11386	P74	G11391	P131	G10254901	P119
G11066	P74	G11386	P75	G11392	P27	G10254901	P119
G11066	P95	G11386	P86	G11418	P85	G10288701	P37
G11066	P97	G11386	P99	G11419	P13	G10322501	P11

Numerical Index

M0313-02

Model 3705

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G10331001	P39	G10985501	P41	GA5111	P79	GA6782	P103
G10333501	P39	GA0160L	P81	GA5112	P79	GA6813	P47
G10333601	P39	GA0160R	P81	GA5113	P65	GA6832	P29
G10333801	P39	GA0167	P82	GA5113	P69	GA6833	P29
G10334701	P11	GA0167	P85	GA5113	P79	GA6834	P29
G10334801	P11	GA0241	P131	GA5116	P78	GA6838	P29
G10334901	P11	GA0245	P82	GA5146	P79	GA6860	P81
G10335001	P11	GA0245	P85	GA5164	P77	GA6870	P81
G10335101	P11	GA0246	P82	GA5165	P77	GA6907	P23
G10335201	P11	GA0251	P131	GA5194	P66	GA6975	P32
G10339301	P39	GA0252	P131	GA5385	P113	GA6975	P114
G10349401	P108	GA0257	P82	GA5600	P117	GA6977	P114
G10367101	P34	GA0257	P85	GA5600	P123	GA6978	P73
G10367101	P146	GA0262	P131	GA5624	P78	GA6978	P113
G10367201	P150	GA0378	P77	GA5629	P78	GA7077	P113
G10371801	P151	GA0542	P82	GA5654	P27	GA7111	P71
G10383201	P86	GA0547	P132	GA5654	P29	GA7137	P71
G10383401	P151	GA1720	P7	GA5853	P85	GA7153	P57
G10389601	P37	GA1720	P19	GA6108	P113	GA7154	P65
G10396901	P37	GA2007	P15	GA6109	P113	GA7154	P65
G10399801	P39	GA2012L	P9	GA6147	P118	GA7154	P128
G10399901	P39	GA2012R	P9	GA6147	P123	GA7180	P129
G10448601	P37	GA2014	P27	GA6171	P11	GA7245	P129
G10475701	P3	GA2014	P29	GA6171	P13	GA7246	P129
G10475701	P117	GA2014	P57	GA6171	P13	GA7248	P128
G10483101	P21	GA2068	P49	GA6171	P13	GA7254	P143
G10483101	P21	GA2068	P69	GA6177	P143	GA7256	P143
G10483201	P21	GA2068	P129	GA6434	P13	GA7258	P143
G10483401	P21	GA2528	P113	GA6527	P135	GA7324	P66
G10484901	P21	GA2559	P131	GA6597	P13	GA7336	P79
G10500901	P3	GA2612	P113	GA6640	P59	GA7372	P69
G10507001	P45	GA3292	P34	GA6646	P57	GA7434	P63
G10536301	P45	GA3407	P101	GA6649	P51	GA7434	P67
G10548901	P45	GA3407	P106	GA6649	P51	GA7453	P51
G10549801	P37	GA3413	P106	GA6654	P51	GA7454	P51
G10567801	P37	GA3552	P69	GA6655	P53	GA7852	P117
G10649801	P37	GA3553	P69	GA6655	P55	GA7852	P123
G10664901	P21	GA3584	P99	GA6656	P61	GA7853	P117
G10665001	P21	GA3893	P135	GA6657	P61	GA7854	P117
G10665101	P21	GA4031	P81	GA6658	P49	GA7855	P114
G10706601	P47	GA4293	P106	GA6660	P51	GA7855	P117
G10737701	P37	GA4376	P67	GA6660	P51	GA7857	P117
G10745401	P3	GA4444	P25	GA6685	P57	GA7859	P117
G10745401	P117	GA4976	P135	GA6686	P57	GA7859	P123
G10984101	P41	GA5090	P129	GA6687	P57	GA7862	P113
G10984201	P41	GA5105	P69	GA6699	P113	GA7863	P113
G10984701	P41	GA5106	P79	GA6700	P113	GA8046	P118
G10984901	P41	GA5107	P65	GA6701	P113	GA8046	P123
G10985101	P41	GA5107	P79	GA6725	P49	GA8047	P113
G10985201	P41	GA5108	P79	GA6738	P63	GA8047	P118
G10985301	P41	GA5109	P79	GA6741	P23	GA8047	P123
G10985401	P41	GA5110	P79	GA6761	P59	GA8050	P117

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GA8050	P123	GA9518	P95	GA12105	P104	GA13741	P99
GA8130	P88	GA9519	P97	GA12143	P15	GA13917	P37
GA8130	P88	GA9526	P47	GA12145	P45	GA14086	P49
GA8135	P118	GA9554	P65	GA12191	P69	GA14127	P74
GA8138	P59	GA9580	P93	GA12192	P69	GA14152	P37
GA8172	P81	GA9583	P93	GA12235	P27	*GA14447	P125
GA8312	P55	GA9619	P67	GA12236	P27	GA14448	P120
GA8326	P24	GA9620	P67	GA12236	P29	GA14449	P120
GA8328	P32	GA9646	P47	GA12330	P137	GA14450	P125
GA8328	P73	GA9654	P47	GA12335	P139	GA14452	P125
GA8329	P32	GA9655	P47	GA12358	P74	GA14697	P89
GA8329	P73	GA9662	P48	GA12358	P76	GA14846	P73
GA8364	P24	GA9663	P48	GA12403	P117	GA14847	P32
GA8366	P24	GA9665	P48	GA12434	P81	GA14992	P48
GA8371	P25	GA9712	P131	GA12537	P125	GA15151	P85
GA8393	P71	GA9846	P69	GA12538	P123	GA15197	P13
GA8409	P104	GA9894	P47	GA12539	P120	GA15422	P153
GA8603	P30	GA9963	P73	GA12540	P125	GA15499	P111
GA8641	P30	GA9964	P32	GA12551	P125	GA16082	P117
GA8714	P66	GA9964	P73	GA12558	P125	GA16337	P113
GA8731	P114	GA9978	P118	GA12559	P125	GA16340	P114
GA8734	P113	GA9978	P123	GA12562	P125	GA16344	P125
GA8735	P113	GA9979	P118	GA12563	P123	GA16345	P125
GA8760	P27	GA9979	P123	GA12564	P125	GA16351	P125
GA8844	P106	GA10043	P47	GA12565	P125	GA16352	P125
GA8905	P91	GA10054	P71	GA12566	P125	GA16355	P126
GA8906	P91	GA10140	P106	GA12567	P125	GA16374	P19
GA8907	P91	GA10146	P93	GA12595	P55	GA16374	P125
GA8910	P91	GA10151	P19	GA12596	P125	GA16386	P125
GA8928	P88	GA10157	P3	GA12597	P128	GA16391	P73
GA8931	P140	GA10355	P131	GA12598	P125	GA16826	P125
GA8948	P90	GA10458	P82	GA12616	P129	GA16829	P125
GA8951	P90	GA10621	P131	GA12626	P75	GA16831	P125
GA8961	P88	GA10799	P32	GA12629	P75	GA16832	P126
GA8962	P88	GA10894	P131	GA12644	P73	GA16833	P126
GA8963	P55	GA10907	P131	GA12645	P73	GA16834	P126
GA8971	P55	GA10908	P131	GA12655	P123	GA16870	P49
GA8994	P59	GA11164	P43	GA12655	P125	GA16871	P63
GA9031	P59	GA11653	P45	GA12669	P73	GA16923	P123
GA9032	P59	GA11691	P32	GA12686	P81	GA17012	P125
GA9097	P99	GA11736	P113	GA12697	P81	GA17547	P73
GA9101	P81	GA11982	P5	GA12767	P34	GA17547	P114
GA9144	P117	GA11988	P75	GA12852	P120	GA17547	P117
GA9408	P143	GA11988	P76	GA12853	P120	GA17683	P132
GA9459	P47	GA11991	P75	GA12868	P120	GA17684	P132
GA9479	P71	GA11991	P76	GA13204	P125	GA18348	P66
GA9481	P113	GA11992	P75	GA13512	P75	GA18402	P125
GA9504	P48	GA11993	P75	GA13521	P118	GA18403	P125
GA9510	P95	GA11994	P75	GA13522	P118	GA19960	P123
GA9511	P97	GA11995	P75	GA13562	P120	GA19961	P123
GA9512	P71	GA11997	P75	GA13572	P120	GA20622	P21
GA9513	P113	GA12102	P74	GA13719	P85	GA20640	P15

Numerical Index

M0313-02

Model 3705

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GA20902	P117	GB0165	P82	GB1237	P21	GD2558	P131
GA20903	P119	GB0186	P7	GD0453-07	P81	GD2597	P82
GA21002	P86	GB0196	P131	GD0671	P47	GD2597	P85
GA21067	P96	GB0218	P61	GD0677	P81	GD2681	P131
GA21151	P119	GB0218	P69	GD0704	P81	GD2721	P81
GA21152	P119	GB0218	P131	GD0740	P59	GD2829	P32
GA21405	P75	GB0239	P13	GD0746	P85	GD2829	P113
GA21406	P32	GB0254	P13	GD0776	P59	GD2947	P23
GA21406	P45	GB0258	P65	GD0829	P37	GD2971-10	P23
GA21510	P34	GB0265	P3	GD0831	P132	GD2971-17	P129
GA21676	P11	GB0266	P3	GD0840	P82	GD2971-26	P9
GA21677	P11	GB0267	P3	GD0840	P85	GD2984	P150
GA21868	P45	GB0268	P13	GD0841	P82	GD3180-06	P59
GA24239	P30	GB0274	P3	GD0844	P131	GD3180-13	P59
GA24426	P34	GB0276	P11	GD0914-10	P71	GD3180-24	P49
GA24472	P113	GB0278	P15	GD0914-32	P71	GD3180-30	P5
GA24543	P107	GB0278	P24	GD0914-152	P79	GD3180-33	P74
GA24649	P120	GB0282	P13	GD0914-152	P79	GD3180-33	P76
GA24652	P125	GB0287	P79	GD0914-198	P79	GD3248	P82
GA24676	P21	GB0314	P7	GD1026	P16	GD3421	P51
GA24752	P21	GB0331	P15	GD1026	P19	GD3547	P143
GA24825	P67	GB0331	P19	GD1026	P23	GD3612	P3
GA24826	P67	GB0366	P7	GD1026	P79	GD3860	P113
GA24828	P67	GB0383	P27	GD1059L	P25	GD4014	P47
GA24873	P17	GB0387	P27	GD1059R	P25	GD4700	P69
GA24877	P21	GB0387	P29	GD1060	P25	GD4701	P69
GA24878	P21	GB0393	P5	GD1061	P24	GD5506	P51
*GA24887	P125	GB0395	P5	GD1063	P24	GD5752	P129
GA25388	P34	GB0396	P5	GD1065	P16	GD5753	P129
GA25426	P45	GB0397	P5	GD1065	P19	GD5835	P79
GA25441	P45	GB0464	P27	GD1085	P13	GD5857	P29
GA25513	P45	GB0554	P85	GD1109	P13	GD5857	P59
GA25550	P21	GB0676	P21	GD1113	P7	GD5857	P65
GA26287	P25	GB0697	P20	GD1114	P78	GD5857	P78
GA26296	P15	GB0780	P20	GD1132	P27	GD5857	P129
GA26398	P34	GB0815	P20	GD1132	P29	GD5875	P37
GA26920	P9	GB0818	P21	GD1162	P150	GD5875	P81
GA26924-01	P151	GB0823	P20	GD1166	P131	GD6279-05	P45
GA26924-02	P151	GB0907	P21	GD1255	P77	GD6279-07	P39
GA26924-03	P151	GB0920	P21	GD1256	P77	GD6291	P37
GA26924-04	P151	GB0921	P21	GD1364	P82	GD6291	P114
GA26924-05	P151	GB0926	P21	GD1512	P150	GD6291	P117
GA26924-06	P151	GB0958	P21	GD1702	P143	GD6291	P123
GA26924-08	P151	GB1090	P117	GD1719	P79	GD6551	P78
GA26924-09	P151	GB1090	P117	GD2117	P150	GD6775	P69
GA26924-10	P151	GB1090	P117	GD2199	P59	GD6825-11.25	P129
GA26924-11	P151	GB1090	P123	GD2199	P144	GD6989	P69
GA26958	P13	GB1147	P20	GD2423	P23	GD7127	P78
GA26989	P21	GB1223	P7	GD2558	P59	GD7148	P24
GA27038	P27	GB1224	P7	GD2558	P69	GD7258	P24
GB0115	P24	GB1224	P7	GD2558	P79	GD7318	P16
GB0116	P24	GB1231	P21	GD2558	P129	GD7318	P19

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GD7318	P99	GD9529	P105	GD10705	P47	GD12103	P90
GD7426	P79	GD9529	P105	GD10714	P57	GD12121	P93
GD7803	P30	GD9530	P105	GD10963	P23	GD12137	P93
GD7804	P30	GD9530	P105	GD10981	P53	GD12231	P90
GD7817-05	P131	GD9530	P105	GD10981	P55	GD12521	P88
GD7822	P79	GD9530	P105	GD10984	P23	GD12522	P88
GD7831	P131	GD9531	P95	GD10991	P11	GD12525	P88
GD7867	P71	GD9533	P99	GD10993	P3	GD12535	P55
GD7867	P78	GD9535	P100	GD11001	P3	GD12545	P55
GD7889	P128	GD9536	P97	GD11045	P65	GD12548	P90
GD7907	P143	GD9537	P102	GD11045	P79	GD12550	P90
GD8066-02	P95	GD9542-03	P51	GD11089	P113	GD12561	P17
GD8066-03	P97	GD9542-04	P51	GD11089	P118	GD12564	P88
GD8218	P57	GD9566-01	P49	GD11089	P123	GD12567	P63
GD8460	P13	GD9622	P81	GD11120	P71	GD12572	P88
GD8739	P113	GD9667	P71	GD11219	P23	GD12585	P55
GD8740	P113	GD9671	P71	GD11239	P15	GD12585	P66
GD8741	P113	GD9715	P29	GD11239	P24	GD12589	P89
GD8751	P117	GD9720	P29	GD11240	P24	GD12692	P59
GD8751	P123	GD9724	P27	GD11259	P3	GD12710	P115
GD8770	P117	GD9724	P29	GD11279	P17	GD12723	P115
GD8770	P123	GD9726	P59	GD11289	P129	GD12724	P115
GD8771	P117	GD9727	P59	GD11297	P24	GD12725	P115
GD8771	P123	GD9896	P114	GD11305	P23	GD13146	P99
GD8839	P143	GD9964	P81	GD11306	P9	GD13310	P99
GD8893-07	P87	GD10036	P5	GD11413	P15	GD13310	P113
GD9120	P13	GD10036	P7	GD11413	P24	GD13328	P131
GD9254	P30	GD10068	P71	GD11424	P25	GD13348	P45
GD9349	P47	GD10070	P71	GD11458	P67	GD13348	P95
GD9361	P59	GD10102	P71	GD11474	P118	GD13348	P97
GD9362	P52	GD10103	P71	GD11474	P123	GD13348	P99
GD9366	P52	GD10104	P71	GD11490	P67	GD13348	P114
GD9367	P52	GD10123	P71	GD11554	P129	GD13352	P63
GD9462	P59	GD10186	P81	GD11556	P129	GD13358	P115
GD9463	P59	GD10200	P129	GD11677	P30	GD13365	P95
GD9464-01	P47	GD10230	P51	GD11695	P66	GD13366	P97
GD9465	P53	GD10230	P51	GD11700	P135	GD13377	P47
GD9465	P55	GD10243	P113	GD11751	P49	GD13409	P67
GD9467	P53	GD10244-01	P129	GD11751	P88	GD13447	P103
GD9468	P53	GD10248	P135	GD11751	P88	GD13448	P93
GD9468	P55	GD10254	P128	GD11783	P49	GD13449	P93
GD9482	P65	GD10273	P143	GD11894	P61	GD13456	P93
GD9498	P53	GD10283	P85	GD11895	P61	GD13524-01	P71
GD9498	P55	GD10296	P143	GD11951	P89	GD13598	P48
GD9499	P57	GD10297	P143	GD11962	P16	GD13600	P48
GD9509	P63	GD10316	P66	GD11962	P19	GD13601	P48
GD9511	P57	GD10317	P66	GD11962	P23	GD13602	P48
GD9514	P66	GD10510	P71	GD11963-01	P123	GD13603	P48
GD9515	P66	GD10519	P27	GD11988	P91	GD13604	P48
GD9516	P59	GD10637	P65	GD11988	P91	GD13605	P47
GD9529	P105	GD10674-01	P82	GD11997	P91	GD13606	P48
GD9529	P105	GD10686	P66	GD11997	P91	GD13607	P48

Numerical Index

M0313-02

Model 3705

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GD13608	P48	GD17156	P75	GD23995	P5	GR0146MPP	P152
GD13609	P48	GD17156	P75	GD24362	P123	GR0150	P82
GD13610	P48	GD17156	P76	GD24448	P63	GR0150	P85
GD13611	P48	GD18010	P73	GD24545	P3	GR0151	P82
GD13643	P93	GD18013	P123	GD25508	P37	GR0151	P85
GD13652-02	P66	GD18065	P129	GD25508	P95	GR0190	P132
GD13744	P131	GD18078	P75	GD26146	P13	GR0193	P47
GD14115	P66	GD18084	P75	GD26593	P21	GR0195	P132
GD14217	P7	GD18112	P74	GD26697	P45	GR0196	P3
GD14217	P47	GD18118	P118	GD26973	P27	GR0196	P23
GD14258	P73	GD18118	P123	GD27215	P34	GR0196	P24
GD14258	P73	GD18168	P118	GD28390	P3	GR0196	P59
GD14413	P79	GD18168	P123	GD28631	P21	GR0200	P132
GD14414	P79	GD18176	P125	GD29315	P108	GR0201	P59
GD14427	P78	GD18275	P73	GD29319	P108	GR0204	P132
GD14427	P79	GD18328	P55	GD29321	P108	GR0267	P131
GD14431	P78	GD18407	P120	GD29507	P15	GR0270	P67
GD14431	P79	GD18408	P120	GD29657	P21	GR0434	P67
GD14432	P79	GD18623	P45	GD29798	P3	GR0586	P117
GD14512	P71	GD18624	P45	GD30221	P86	GR0594	P123
GD14513	P71	GD18626	P43	GD30722	P86	GR0717	P47
GD14528	P101	GD18628	P123	GD30723	P86	GR0761	P105
GD14640	P32	GD18796	P73	GD30725	P9	GR0763	P105
GD14660	P73	GD18901	P74	GD30909	P43	GR0764	P105
GD15785	P48	GD18901	P76	GD30909	P45	GR0764	P106
GD15787	P48	GD18901	P123	GD30910	P43	GR0764	P106
GD15799	P43	GD19079	P76	GD31485	P113	GR0764	P106
GD15803	P32	GD19080	P75	GD33511	P96	GR0764	P106
GD15804	P32	GD19212	P81	GD34098	P34	GR0880	P135
GD15849-02	P32	GD19237	P75	GD34103	P34	GR0881	P135
GD15849-02	P45	GD19238	P75	GD34774	P21	GR0882	P135
GD15850	P43	GD19292	P30	GD34923	P143	GR0883	P135
GD15854	P43	GD19343	P79	GD35127	P87	GR0911	P59
GD15856-08	P43	GD19344	P79	GD35294	P34	GR0911	P128
GD15856-28	P43	GD19383-03	P37	GD35339	P87	GR0912	P59
GD15856-33	P43	GD19658-02	P45	GD35340	P87	GR0912	P65
GD15856-42	P43	GD19759	P123	GD35381	P39	GR0912	P69
GD15967	P115	GD20044	P75	GD35437	P45	GR0912	P79
GD15968	P115	GD20044	P76	GD35444	P9	GR0912	P128
GD16037	P39	GD20984	P34	GD35447	P34	GR1015	P135
GD16038	P39	GD20988	P89	GD35448	P34	GR1016	P135
GD16245	P3	GD20989	P89	GD36277	P23	GR1017	P135
GD16842	P45	GD20991	P89	GD36495-600	P43	GR1018	P135
GD17023	P66	GD21000	P52	GD36709	P11	GR1019	P135
GD17039	P115	GD21278	P45	GD36713	P11	GR1034	P104
GD17052	P15	GD21300	P34	GD36856	P9	GR1035	P104
GD17141	P75	GD21337	P7	GD36860	P9	GR1037	P47
GD17143	P75	GD21540	P82	GD36895	P13	GR1037	P57
GD17148	P76	GD21540	P85	GD36990	P9	GR1037	P57
GD17151-06	P73	GD22965	P114	GM0313-01	P153	GR1037	P57
GD17151-20	P32	GD23773	P19	GM0313-02	P153	GR1037	P59
GD17154	P75	GD23774	P19	GR0146	P152	GR1037	P65

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GR1037	P81	GR1208	P113	GR1544	P140	GR2074	P63
GR1037	P90	GR1254	P103	GR1545	P140	GR2075	P63
GR1037	P93	GR1255	P103	GR1546	P88	GR2076	P63
GR1037	P95	GR1256	P103	GR1570MPP	P152	GR2077	P63
GR1037	P95	GR1257	P103	GR1574	P140	GR2078	P63
GR1037	P95	GR1258	P103	GR1599	P93	GR2127MPP	P152
GR1037	P97	GR1259	P103	GR1635	P95	GR2185	P137
GR1037	P97	GR1260	P103	GR1635	P97	GR2233	P74
GR1037	P99	GR1290	P114	GR1635	P99	GR2240MPP	P153
GR1037	P99	GR1292	P73	GR1736	P32	GR2279	P120
GR1037	P100	GR1292	P113	GR1762	P117	GR2314	P107
GR1037	P100	GR1303	P71	GR1777	P32	GR2333	P107
GR1037	P101	GR1304	P71	GR1777	P45		
GR1037	P102	GR1305	P71	GR1778	P75		
GR1037	P102	GR1306	P71	GR1783	P75		
GR1037	P104	GR1321	P105	GR1795	P137		
GR1037	P104	GR1322	P105	GR1796	P139		
GR1037	P111	GR1363	P73	GR1797	P137		
GR1037	P111	GR1363	P113	GR1798	P139		
GR1037	P111	GR1364	P113	GR1799	P137		
GR1045	P99	GR1389	P137	GR1800	P139		
GR1045	P100	GR1414	P118	GR1801	P137		
GR1047	P104	GR1414	P123	GR1801	P139		
GR1104	P137	GR1415	P118	GR1802	P137		
GR1104	P139	GR1415	P123	GR1803	P139		
GR1112	P137	GR1455	P104	GR1804	P137		
GR1112	P139	GR1456	P104	GR1804	P139		
GR1116	P137	GR1457	P104	GR1805	P137		
GR1116	P139	GR1458	P104	GR1805	P139		
GR1118	P137	GR1464	P81	GR1806	P137		
GR1118	P139	GR1465	P93	GR1806	P139		
GR1120	P137	GR1465	P103	GR1808	P137		
GR1120	P139	GR1465	P104	GR1808	P139		
GR1122	P129	GR1466	P99	GR1838	P120		
GR1123	P137	GR1466	P99	GR1839	P120		
GR1123	P139	GR1466	P103	GR1842MPP	P152		
GR1124	P137	GR1466	P108	GR1921	P75		
GR1124	P139	GR1466	P108	GR1943	P74		
GR1134	P137	GR1467	P108	GR1951	P75		
GR1134	P139	GR1515	P106	GR1952	P75		
GR1146	P131	GR1525	P91	GR1953	P75		
GR1146	P139	GR1525	P91	GR1962	P89		
GR1169	P88	GR1530	P88	GR2003	P137		
GR1203	P113	GR1532	P90	GR2011	P139		
GR1204	P113	GR1533	P140	GR2042	P105		
GR1204	P113	GR1535	P140	GR2067	P63		
GR1205	P113	GR1540	P140	GR2068	P63		
GR1206	P113	GR1541	P140	GR2069	P63		
GR1206	P113	GR1542	P140	GR2070	P63		
GR1207	P113	GR1543	P137	GR2071	P63		
GR1207	P113	GR1543	P139	GR2072	P63		
GR1208	P113	GR1543	P140	GR2073	P63		