

MODEL 3605 PIVOT FOLD PLANTER PARTS MANUAL

M0303-02

Rev. 8/25

This manual applies to:

Model: 3605 Twin-Line Planters:
2021 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	P3
Pneumatic Down Pressure Package Option	P5
Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Forces Springs Option.	P7
Ag Leader Electric Clutch	P9
15" Seed Opener Disc Blade/Bearing Assembly and Scrapers	P11
Gauge Wheels	P13
"V" Closing Wheels	P15
Row Unit Light Mount Bracket and Extension	P17
Hopper Support and Meter Drive	P19
Row Unit Idler (Ground Contact Drive)	P21
Row Unit Idler (Electric Clutch)	P22
Seed Hopper and Lid	P24
Finger Pickup Seed Meter	P25
Brush-Type Seed Meter 2.0	P27
Vacuum Seed Meter	P29
Granular Chemical	P31
Granular Chemical Hopper and Hopper Panel Extension	P33
Granular Chemical Meter and Meter Drive	P34
Row Unit Mounted No Till Coulter	P35
Coulter Mounted Residue Wheels	P37
Coulter Mounted Residue Wheel W/Treader	P39

SPLIT ROW

Push Row Unit Assembly	P43
Parallel Arms and Face Plate (Split Row)	P45
Shank and Depth Adjustment (Split Row)	P49
Pneumatic Down Pressure Package (Split Row)	P51
Split Row Unit Drive	P53
Ag Leader Electric Clutch, Push Unit	P55
Hydraulic Down Force, 12 Row (Split Row)	P57
Hydraulic Down Force, 16 Row (Split Row)	P59

VACUUM SYSTEM

Manifolds and Mounts	P61
Vacuum Fan Snorkel Mount	P63
Vacuum System	P65
Vacuum Fan Hydraulic Components	P67
Vacuum Manifolds and Hoses, 12 Row	P69
Vacuum Manifolds and Hoses, 16 Row	P70
PTO Pump Drive and Oil Cooler Option, Vacuum	P71
PTO Pump - Single Stage, Vacuum	P73

BULK FILL

Bulk Fill Fan Mounts	P75
Bulk Fill Fan Hydraulic Components (Mechanical)	P77
Bulk Fill Fan Hydraulic Components (Vacuum)	P79
Bulk Fill Fan System	P81
Bulk Fill Hoses, 12 Row	P83
Bulk Fill Hoses, 16 Row	P84
Bulk Fill Manifolds and Distribution Hoses	P87
Bulk Fill Entrainer Assembly (2021-2025 Production)	P89
Bulk Fill Entrainer Assembly (2025 Production)	P91
Bulk Fill Tank Assembly	P93
Bulk Fill Scale Package (2021 Production)	P95
Bulk Fill Scale Package (2022 Production and On)	P97
Mechanical Row Unit, Bulk Fill	P99
Vacuum Row Unit, Bulk Fill	P101
Split Row Unit, Bulk Fill	P103
Bulk Fill Catwalk	P105
PTO Pump Drive and Oil Cooler Option, Bulk Fill	P107

BASE MACHINE

Outer Hitch	P109
Safety Chain	P111
2-Point Hitch Option	P112
Inner Hitch, "Y"	P113
Hose Take-Up	P115
Center Frame	P117
Hydraulic Drive Package Option	P119
Wing Frame	P121
Weight Transfer Mechanism	P123
Center Pivot	P125
Axle Assembly	P127
Implement Switch Assembly (2021 Production)	P130
Implement Switch Assembly (2022 Production and On)	P130
Rock Guard Package	P131
Ground Drive Wheel	P133
Contact Wheel and Drive Shaft(s)	P135
Seed Rate Transmission and Row Unit Drill Shafts	P139
Inner Module Drive	P141
Point Row Clutch	P143
Pneumatic Down Pressure Control Console, Sending Unit, and Harnesses	P145
Air Compressor, Dual Solenoid Assembly, Tubing, and Fittings	P147
Row Marker Assembly	P149
Row Marker Stand	P152
Row Marker Spindle/Hub/Blade	P153

HYDRAULICS

Hydraulic Hoses and Fittings on Hitch	P155
Hydraulic Hoses and Fittings on Planter Frame, 12 Row	P157
Hydraulic Hoses and Fittings on Planter Frame, 16 Row	P159
Wing Down Pressure Hydraulic Schematics (Mechanical and Vacuum)	P161
PTO Hydraulics, Vacuum	P163
Hydraulic Down Force Hydraulic Schematics, 12 Row . . .	P165
Hydraulic Down Force Hydraulic Schematics, 16 Row . . .	P167
Row Marker Cylinder	P169
Rotation Cylinder	P170
Wing Lift Cylinder, 12 Row	P171
Wing Lift Cylinder, 16 Row	P172
Center Lift Cylinder	P173
Wing Lock Cylinder	P176
Tongue Lock Cylinder	P177
Transport Latch Cylinder	P177
Wing Down Pressure Cylinder	P178
Tongue Cylinder	P179
Hydraulic Down Force Cylinder	P181
Junction Block - Located on R.H. Side of Center Pivot	P182
Junction/Valve Blocks - Located on R.H. Rear Center Frame	P183
Valve Blocks - Located on R.H. Rear Center Frame . . .	P185
Valve Block - Located on Hitch	P187
Wing Down Pressure Valve Block	P189
Hydraulic Motor Assembly	P191
Optional Flow Control Needle Valve Kit	P193
Vacuum Fan Hydraulic Motor Assembly	P193
Vacuum Fan Motor Valve Block Assembly (Located Below Vacuum Fan Motor Assembly)	P194
Bulk Fill Fan Valve Block	P195
Solenoid Valve	P196
Hydraulic Down Force Manifold Block and In-Line Filter Assembly	P197
Hydraulic Down Force Manifold Block	P199
Row Unit Control Block, Pull Row Units	P200
Row Unit Control Block, Push Row Units	P201

ELECTRONICS

Bulk Fill Work Light	P203
Electrical Components	P205
KPM III Electronic Seed Monitor	P207
Ag Leader PMM	P209
Ag Leader Electric Clutch	P211
Ag Leader Interconnect Schematic	P213

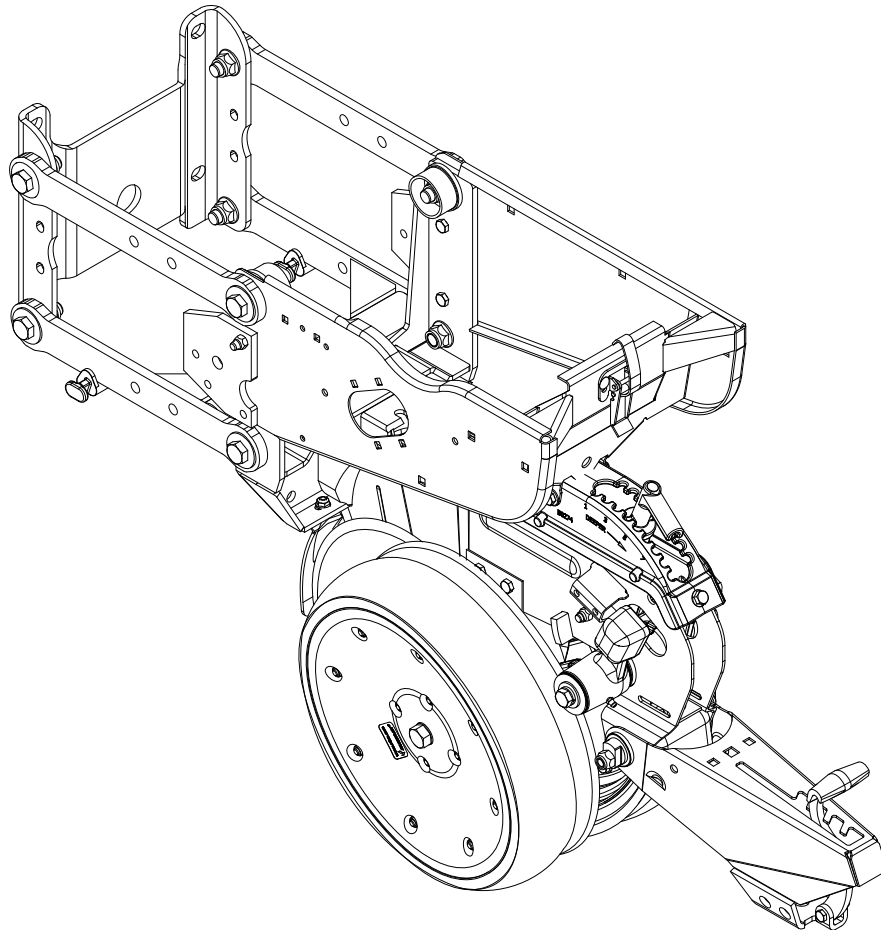
Shaft Rotation Sensor	P215
Miscellaneous Electronic Parts	P216
GPS 7500 Receiver Package	P217
ISOBUS Electric Clutch Package (2021 Production Only)	P219
ISOBUS Retrofit Cabling Package (2021 Production Only)	P221
Hydraulic Down Force Display and Harnesses	P223
Hydraulic Down Force, Pull Row	P225
Hydraulic Down Force, Interplant Push Row	P227
Hydraulic Down Force, Interplant Even-Row	P228
PTO Package Electrical Schematic	P229

FERTILIZER

Depth/Gauge Wheel Attachment for Notched Single Disc Fertilizer Opener	P235
Dry Fertilizer Coupler/Shafts	P241
Dry Fertilizer Drive	P237
Dry Fertilizer Hopper and Mounts	P239
HD Single Disc Fertilizer Opener (Blade and Drop Tube)	P231
Liquid Fertilizer Flow Divider Mount and Hoses (Conventional)	P251
Liquid Fertilizer Piston Pump Flow Divider	P257
Liquid Fertilizer Piston Pump Mount and Ground Drive Wheel	P249
Liquid Fertilizer Piston Pump (Uses 18 Tooth Sprocket)	P255
Liquid Fertilizer Tanks, Saddles, Saddle Mounts, and Hoses (Bulk Fill)	P245
Liquid Fertilizer Tanks, Saddles, Saddle Mounts, and Hoses (Conventional)	P243
Liquid Fertilizer Tube In Furrow	P259
Notched Single Disc Fertilizer Opener	P233
Rear Trailer Hitch (Bulk Fill)	P263
Rear Trailer Hitch (Conventional)	P261

DECALS, PAINT, AND MISCELLANEOUS . . . P265**NUMERICAL INDEX P279**

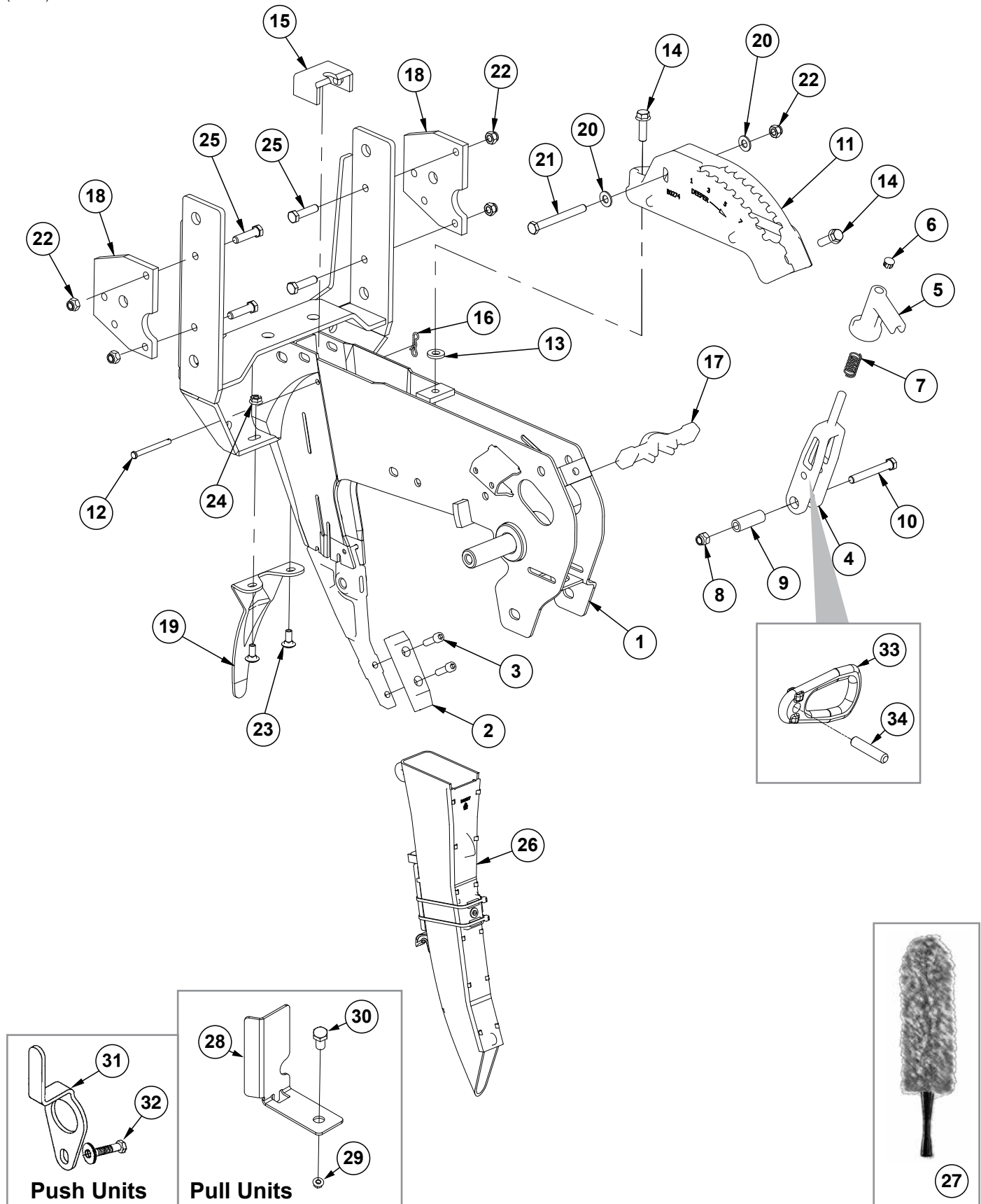
NOTE: Row unit assembly does not include the following: seed meter assembly, seed tube assembly, row unit hopper assembly, closing wheels, or seed meter clutch.



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

This page left blank intentionally.

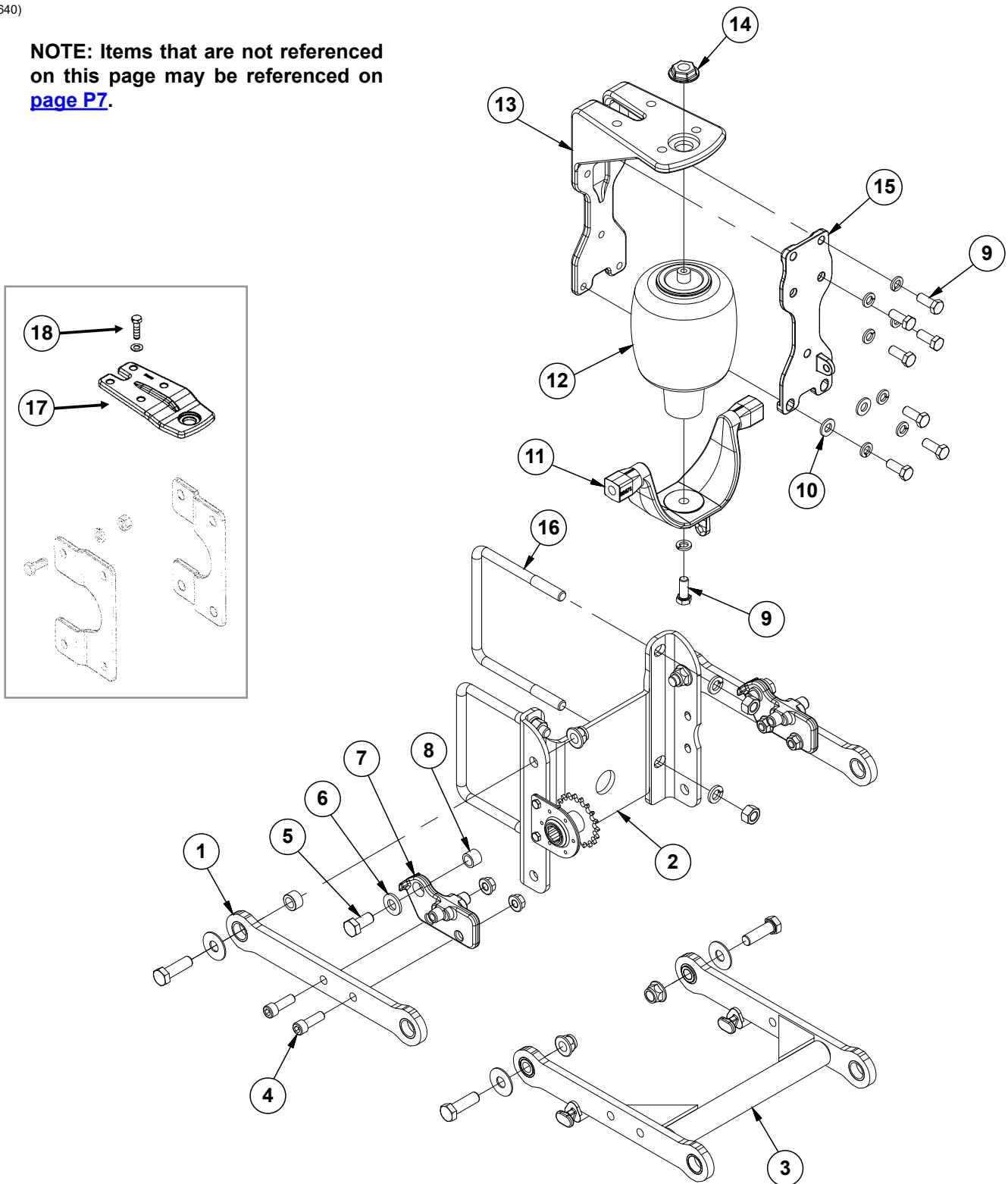
(IP1577)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GA10157 GD11001 G10438	1 - -	Shank W/Gauge Wheel Pivot Spindle and Set Screw Spindle Hex Head Cap Screw, 1/2"-13 x 3/4"
2	G10038601	1	Scraper
3	G10500901	2	Hex Socket Head Cap Screw, 5/16"-18 x 1", Grade 8
4	GB0267	1	Lever, Depth Adjustment
5	GB0266	1	Handle, Depth Adjustment
6	GD3612	1	Cap Plug
7	GD10993	1	Spring
8	G11591	1	Hex Lock Nut, 3/8"-24, Grade C
9	GD11259	1	Sleeve, 3/8" I.D. x 5/8" O.D. x 1 ²⁵ / ₃₂ " Long
10	G11592	1	Hex Head Cap Screw, 3/8"-24 x 2 ³ / ₄ ", Grade 8
11	GB0274	1	Cover, Depth Adjustment
12	G10551	1	Clevis Pin, 1/4" x 2 1/2"
13	G10207	1	Washer, 7/8" O.D. x 1 ¹³ / ₃₂ " I.D. x .134" (If Applicable)
14	G11015	2	Hex Washer Head Cap Screw, 3/8"-16 x 1 1/4"
15	GD16245	1	Sun Shade (Rubber)
16	G10122301	1	Bow Tie Cotter Pin
17	GB0265	1	Pivot Link, Depth Adjustment
18	GD24545	2	Row Unit Stop
19	GD28390	1	Shield
20	G11387	2	Flat Washer, 3/8" SAE
21	G10061	1	Hex Head Cap Screw, 3/8"-16 x 3 1/2"
22	G10108	4	Lock Nut, 3/8"-16
23	G10312	2	Carriage Bolt, 5/16"-18 x 3/4"
24	G10620	2	Serrated Flange Nut, 5/16"-18
25	G10003	3	Hex Head Cap Screw, 3/8"-16 x 1 1/2"
26	G10745401	1	Seed Tube Assembly
27	G10475701	1	Seed Tube Brush, Microfiber
28	GD29798	1	Chain Guard
29	G10071	1	Serrated Flange Nut, 1/2"-13
30	G10014	1	Hex Head Cap Screw, 1/2"-13 x 1"
31	GD17014	1	Hose Guide, Push Units
32	G10047 G11387 G10108	1 2-3 1	Hex Head Cap Screw, 3/8"-16 x 1 3/4" Flat Washer, 3/8" SAE Lock Nut, 3/8"-16
33	GB0285	1	Collar, Depth Adjustment
34	G10402701	1	Depth Adjust Pin

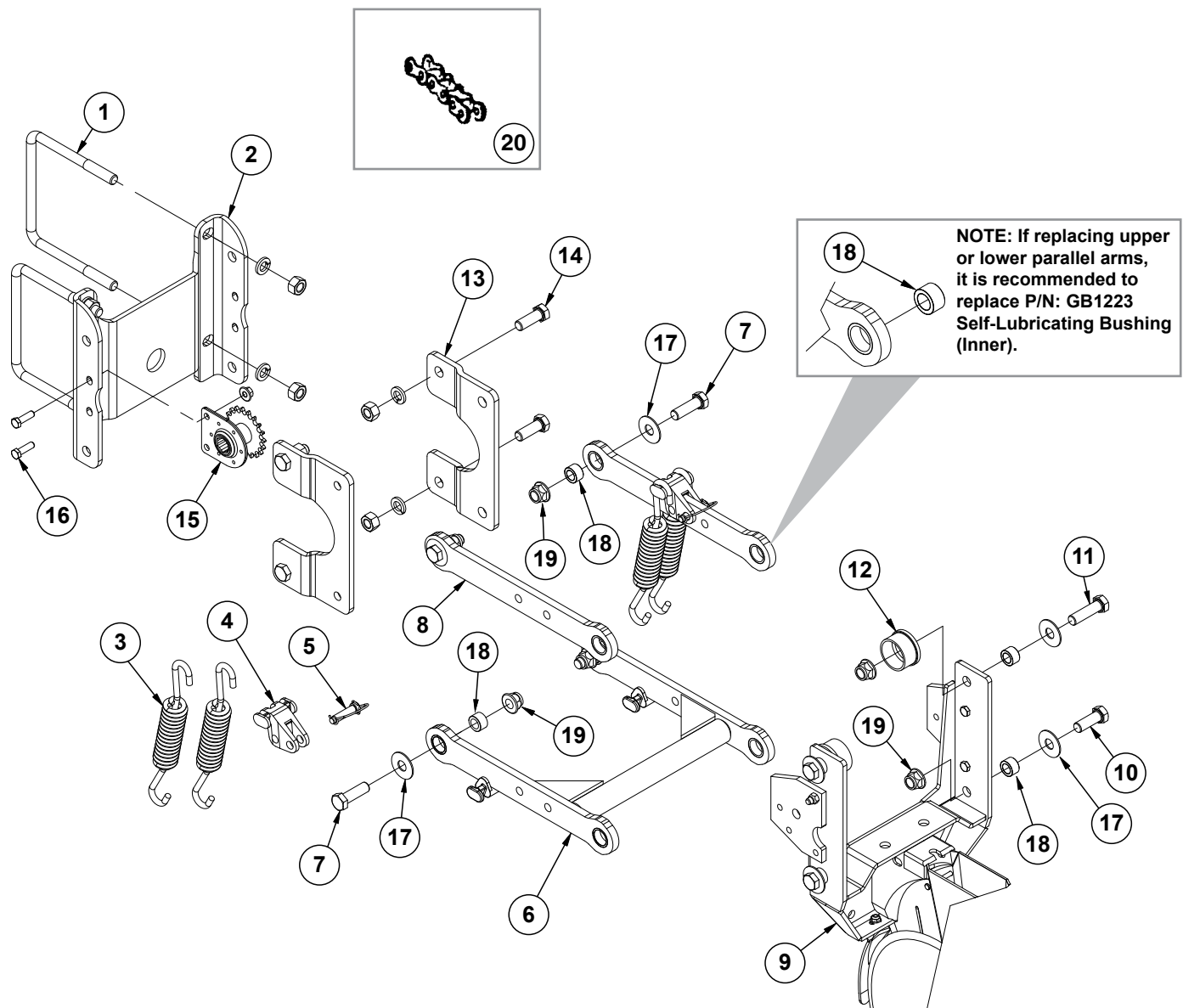
(IP1640)

NOTE: Items that are not referenced on this page may be referenced on [page P7](#).



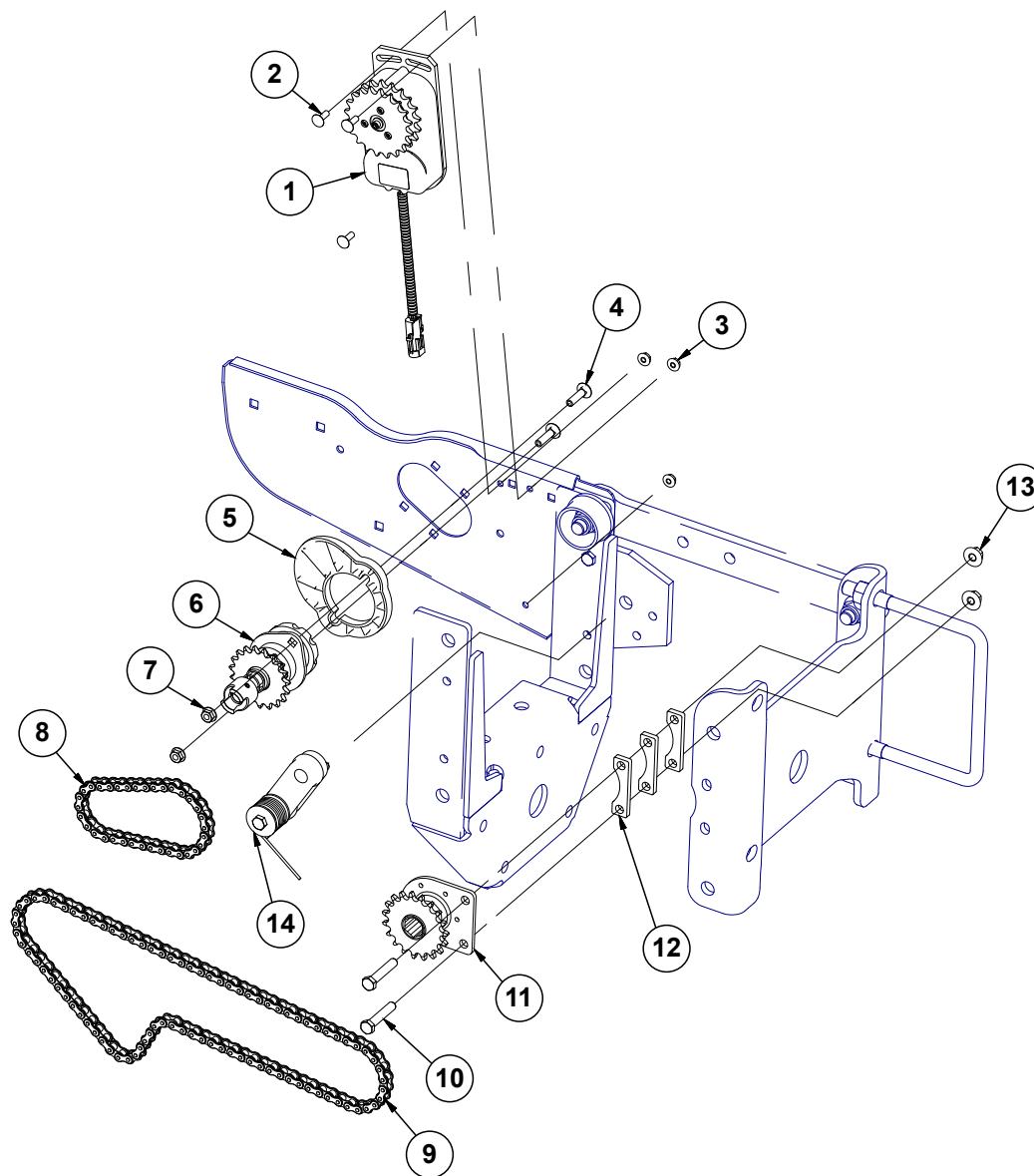
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	2	See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Forces Springs Option" on page P7
2	GD10036	1	Mounting Support Plate
3	---	1	See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Forces Springs Option" on page P7
4	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 Forces Springs Option" on page P7
17	GB0398	1	Extension
18	G10039	4	Hex Head Cap Screw, 1/2"-13 x 1 3/4"
	G11389	4	Flat Washer, 1/2" SAE
	G10111	4	Lock Nut, 1/2"-13

(IP1578)



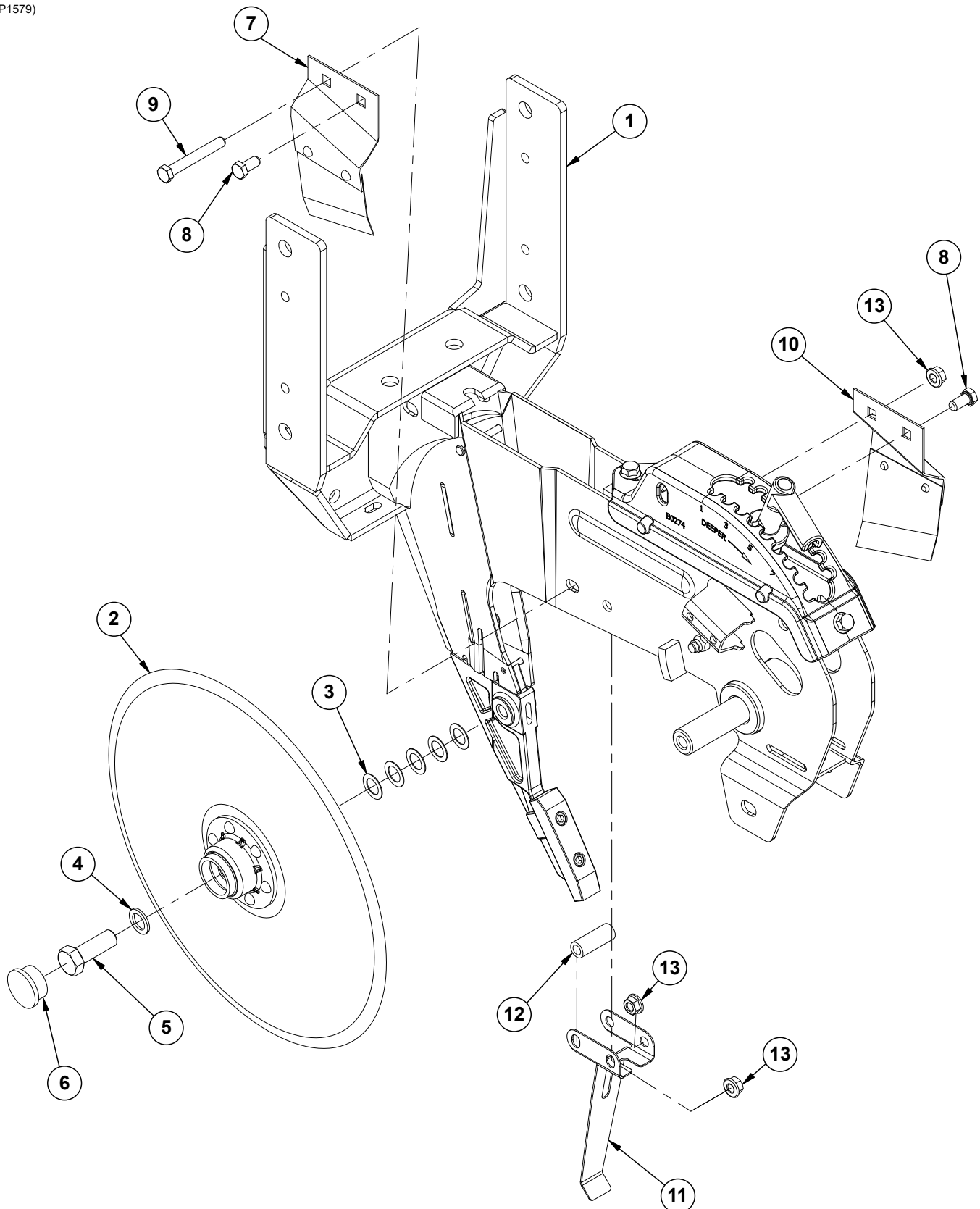
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GD1113	2	U-Bolt, 5" x 7" x 5/8"-11
	G10230	4	Lock Washer, 5/8"
	G10104	4	Hex Nut, 5/8"-11
2	GD10036	1	Mounting Support Plate
3	GD21337	4	Heavy Duty Down Pressure Spring
4	GB0186	2	Spring Anchor
5	GD14217	2	Tab Lock Pin, 7/16" x 1 1/2"
6	G10011201	1	Lower Parallel Arm Assembly
	GB1224		Self-Lubricating Bushing, 1 1/4" O.D. x 1" I.D. x 1/2" (Included in G10011201)
7	G10732	4	Hex Head Cap Screw, 5/8"-18 x 2"
8	G10011101	2	Upper Parallel Arm Assembly
	GB1224	2	Self-Lubricating Bushing, 1 1/4" O.D. x 1" I.D. x 1/2" (Included in G10011101)
9	---	1	See "Shank Assembly, Seed Tube, and Depth Adjustment" on page P3
10	G10751	2	Hex Head Cap Screw, 5/8"-18 x 1 3/4"
11	G10752	2	Hex Head Cap Screw, 5/8"-18 x 2 1/4"
12	GB0314	2	Hopper Mount
13	GB0366	2	Extension Bracket
14	G10751	4	Hex Head Cap Screw, 5/8"-11 x 1 3/4"
	G11976	4	Flat Washer, 5/8" x 1 3/4"
	G11514	4	Non-Serrated Flange Locknut, 5/8"-18
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
20	G3303-98	1	Chain, No. 41, 98 Pitch Including Connector Link (Mechanical)
	G3303-108	1	Chain, No. 41, 108 Pitch Including Connector Link (Vacuum)
	G3303-16	1	Chain, No. 41, 16 Pitch Including Connector Link (Used W/Row Unit Extension Brackets)
	G3303-114	1	Chain, No. 41, 114 Pitch Including Connector Link (Mechanical - 4 Center Rows Only)
	G3303-124	1	Chain, No.41, 124 Pitch Including Connector Link (Vacuum - 4 Center Rows Only)
	GR0196	-	Connector Link, No. 41
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

(IP1664)



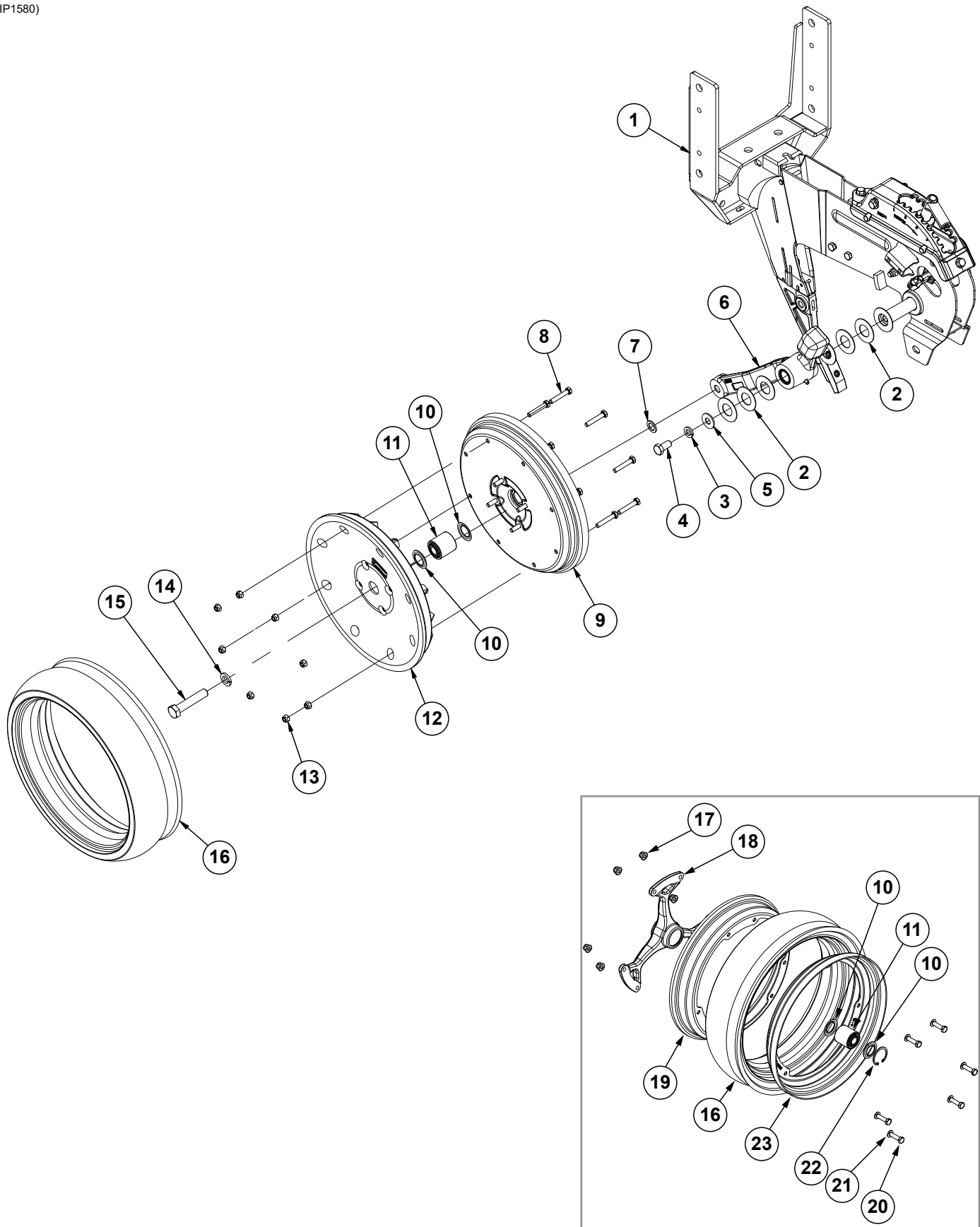
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GA16374	1	Electric Clutch
2	G10310	3	Carriage Bolt, 1/4"-20 x 3/4", Grade 2
3	G10621	3	Serrated Flange Nut, 1/4"-20
4	G10338	2	Carriage Bolt, 5/16"-18 x 1 1/4"
5	G11013701	1	Clutch Adapter Plate
6	GA10151	1	Seed Meter Clutch Assembly, 11/19 Tooth (Mechanical) Shown
	GA20640	-	Seed Meter Clutch Assembly, 11/28 Tooth (Vacuum)
7	G10109	2	Lock Nut, 5/16"-18
8	G3303-34	1	Chain, No. 41, 34 Pitch Including Connector Link (Mechanical)
	G3303-44	-	Chain, No. 41, 44 Pitch Including Connector Link (Vacuum)
9	G3303-88	1	Chain, No. 41, 88 Pitch Including Connector Link (Pull Row Unit) Shown
	G3303-103	4	Chain, No. 41, 103 Pitch Including Connector Link (4 Center Row Units Only)
10	G10048	2	Hex Head Cap Screw, 3/8"-16 x 2"
11	GA1720	1	Bearing/Sprocket, 7/8" Hex Bore
12	GD23774	3	Spacer
13	G11091	2	Serrated Flange Nut, 3/8"-16
14	---	1	See "Row Unit Idler (Electric Clutch)" on page P22

(IP1579)



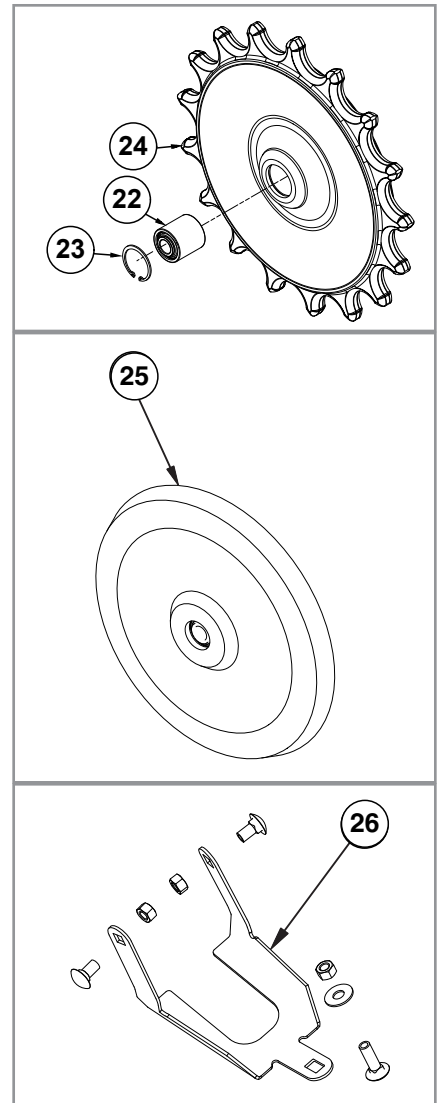
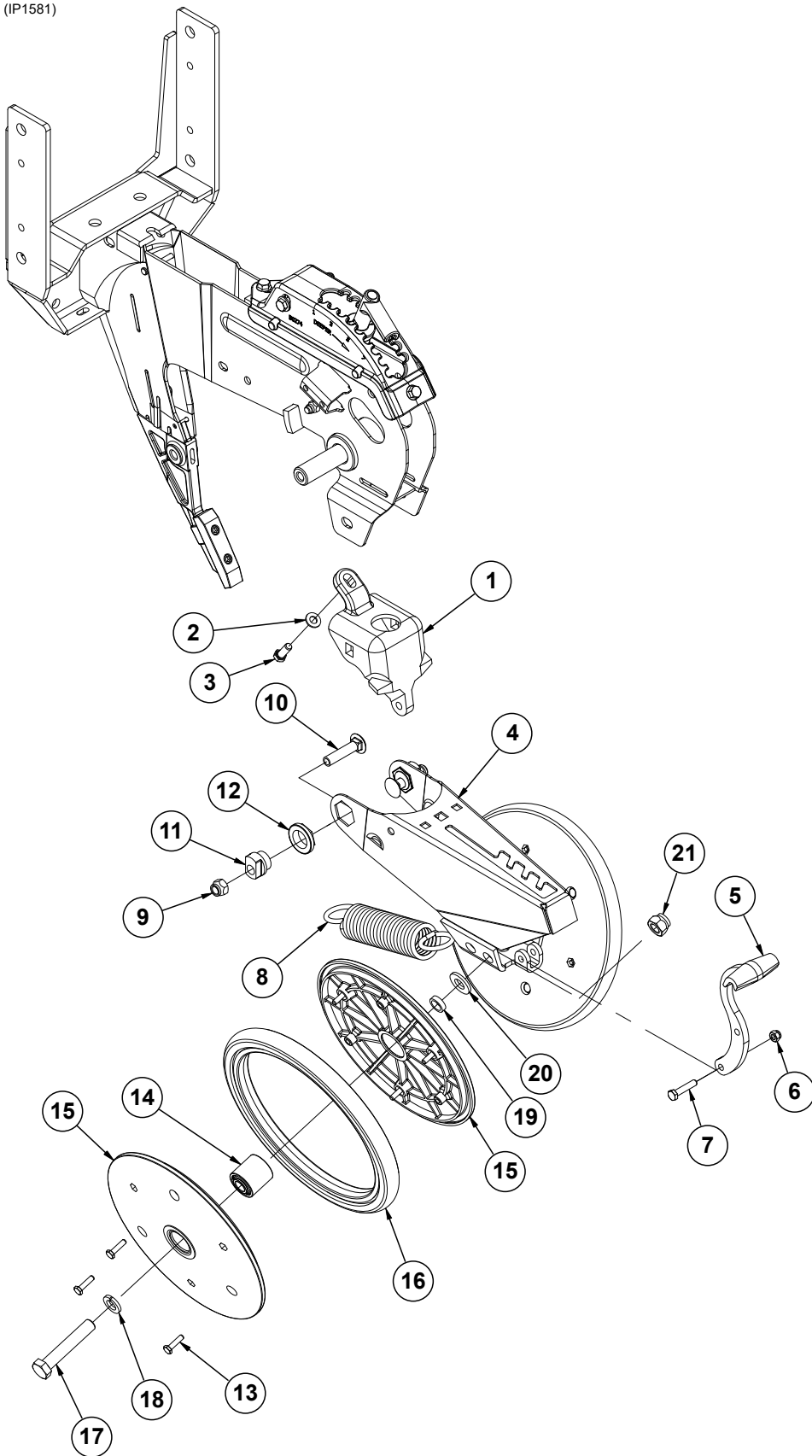
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	1	See "Shank Assembly, Seed Tube, and Depth Adjustment" on page P3
2	G10018801	2	Disc and Bearing Assembly
	GA26920	1	Bearing (Included W/G10018801)
	GD11306	1	Disc Blade, 3.5 mm x 15" (Included W/G10018801)
	GD36860	1	Bearing Housing (Included W/G10018801)
	GD36990	6	Rivet, 1/4" x 9/16" (Included W/G10018801)
3	GD30725	10	Machine Bushing, 5/8" (.030" Thick) (5 Per)
4	G10397801	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 (L.H. Threads)
	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	GD2971-31	1	Sleeve, 3/8" I.D x 5/8" O.D. x 1.78" Long
13	G10622	3	Serrated Flange Nut, 3/8"-16

(IP1580)



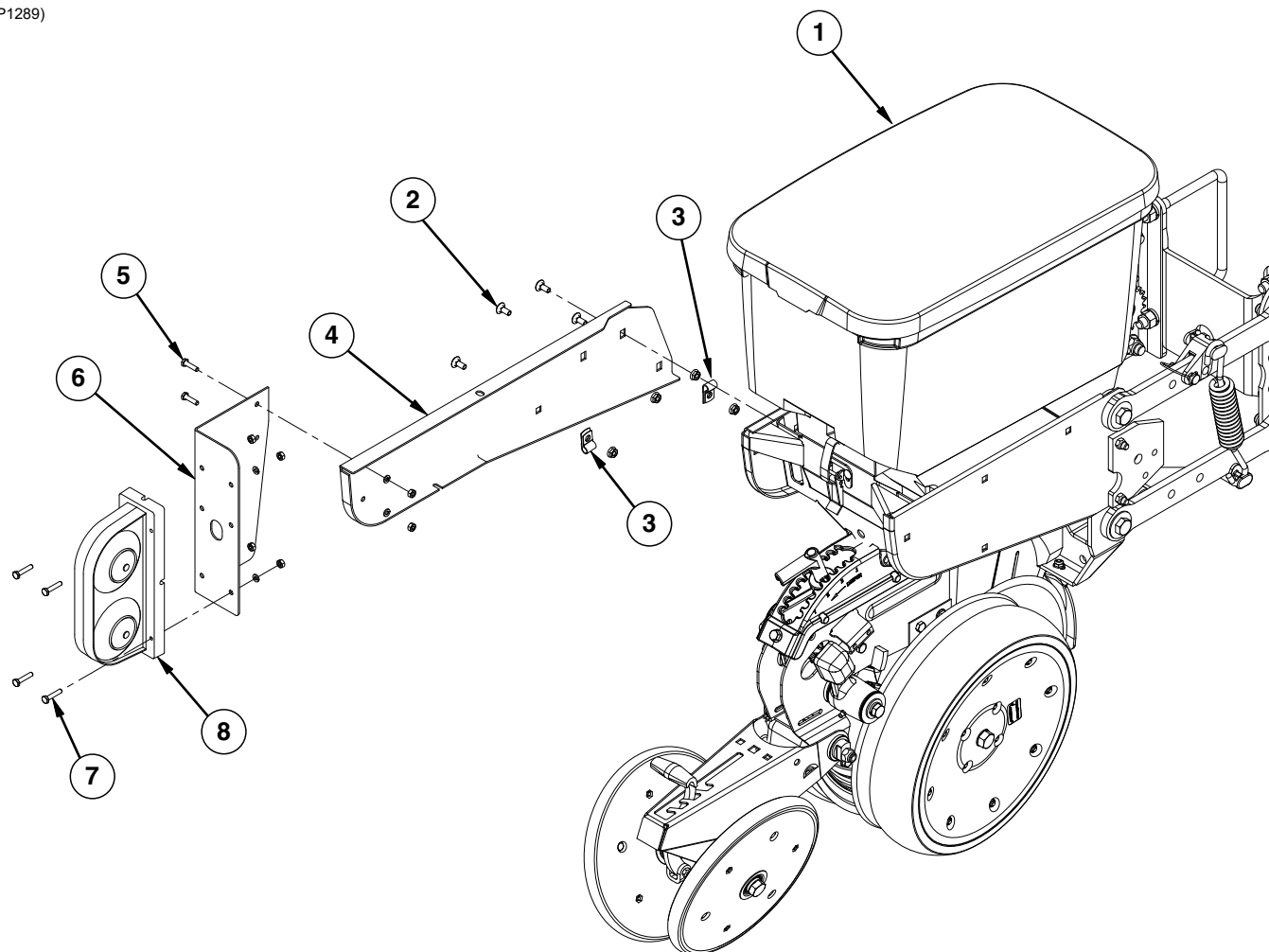
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	-	See "Shank Assembly, Seed Tube, and Depth Adjustment" on page P3
2	G10940	7	Machine Bushing, 1" (.048" Thick)
3	G10228	2	Lock Washer, 1/2"
4	G10014	2	Hex Head Cap Screw, 1/2"-13 x 1"
5	G10216	2	Washer, 1/2" USS
6	GA21677	1	Wheel Arm W/Grease Fitting, Bushings, 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	G10397801	1	Special Machine Bushing, 5/8" x 1" O.D.
8	G10871701	8	Hex Non-Serrated Cap Screw, M8 x 45
9	G10028701	1	Half Gauge Wheel
	G10871601	4	Hex Non-Serrated Cap Screw, M8 x 25
	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	G10871801	12	Hex Flanged Lock Nut, Nylon Lock - M8
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	Flange Wheel
18	G10334701	1	Flange Hub
19	G10334901	1	Flange Wheel
20	G10335101	6	Screw, M8 x 30/8.8
21	G11386	6	Flat Washer, 5/16" SAE
22	G10335201	1	Elastic Ring
23	G10334801	1	Flange Wheel
A	G10028801	-	Standard Gauge Wheel Complete (Items 8-13 and 16)
B	G1K296	-	Gauge Wheel Arm Bushing and Seal Driver Kit, Includes: (1) Seal Driver, (1) Bushing Driver, (1) Instruction
C	G10322501	-	Spoked Gauge Wheel Complete (Items 10-11 and 16-23)

(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 1/64" 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	GA26958	1	Spiked Closing Wheel (Items 22 and 23)
25	GA6597	1	Cast Iron Closing Wheel W/Bearing
	GA6171	1	Bearing
26	G1K345	-	Closing Wheel Shield Kit W/Hardware and Instruction
	GD26146	1	Closing Wheel Shield (Included W/G1K345)
	G10599	1	Carriage Bolt, 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)

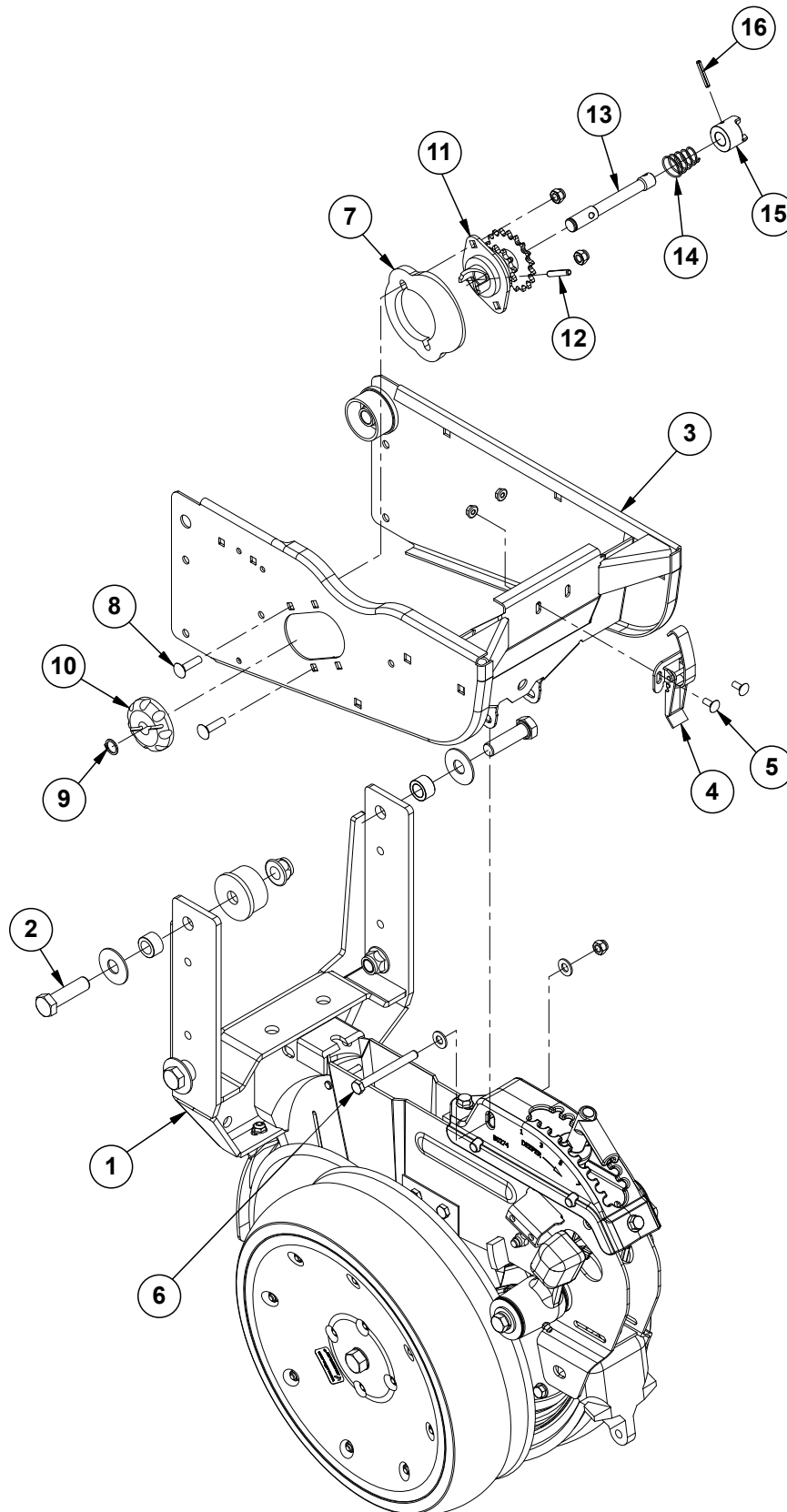
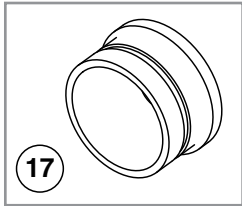
(IP1289)



ITEM	PART NO.	QTY.	DESCRIPTION
1	---	-	See "Shank Assembly, Seed Tube, and Depth Adjustment" on page P3 See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Forces Springs Option" on page P7 See "Hopper Support and Meter Drive" on page P19
2	G10312	4	Carriage Bolt, $\frac{5}{16}$ "-18 x $\frac{3}{4}$ "
	G10620	4	Serrated Flange Nut, $\frac{5}{16}$ "-18
3	GD6291	2	Insulated Clamp, $\frac{3}{8}$ "
4	GD36264	1	Light Mount Extension
5	G10064	2	Hex Head Cap Screw, $\frac{1}{4}$ "-20 x 1"
6	GD12724	1	Bracket
7	G10064	4	Hex Head Cap Screw, $\frac{1}{4}$ "-20 x 1"
	G10110	4	Lock Nut, $\frac{1}{4}$ "-20, Grade B
8	---	-	See "Electrical Components" on page P205

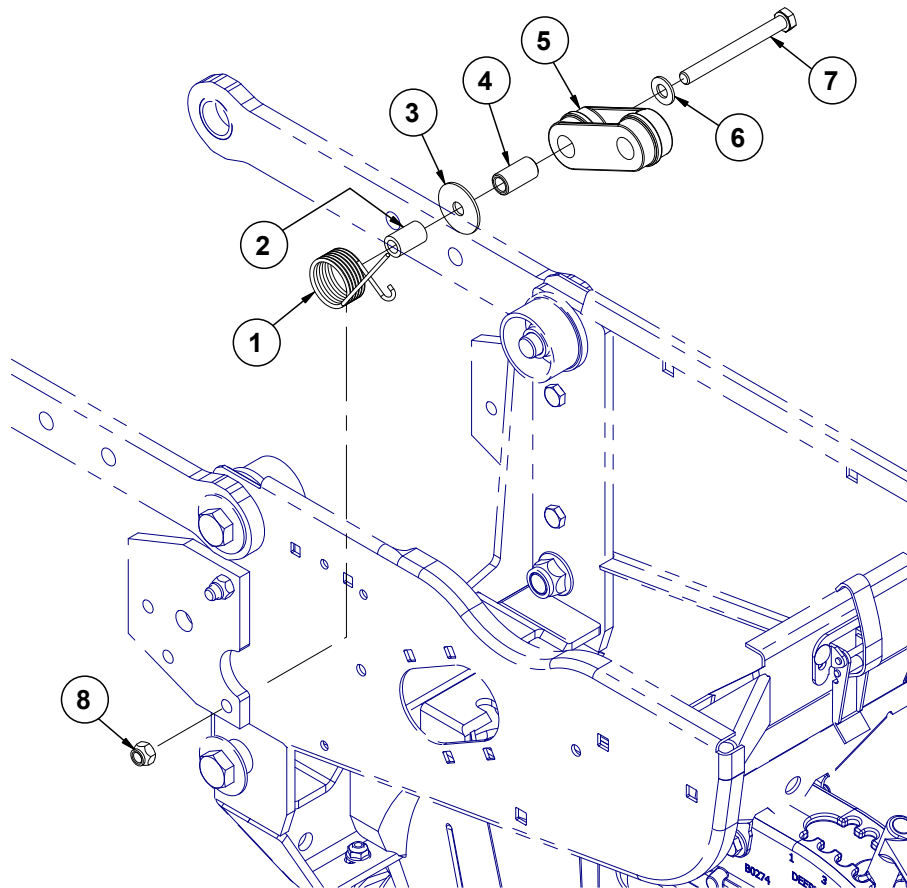
This page left blank intentionally.

(IP1582)



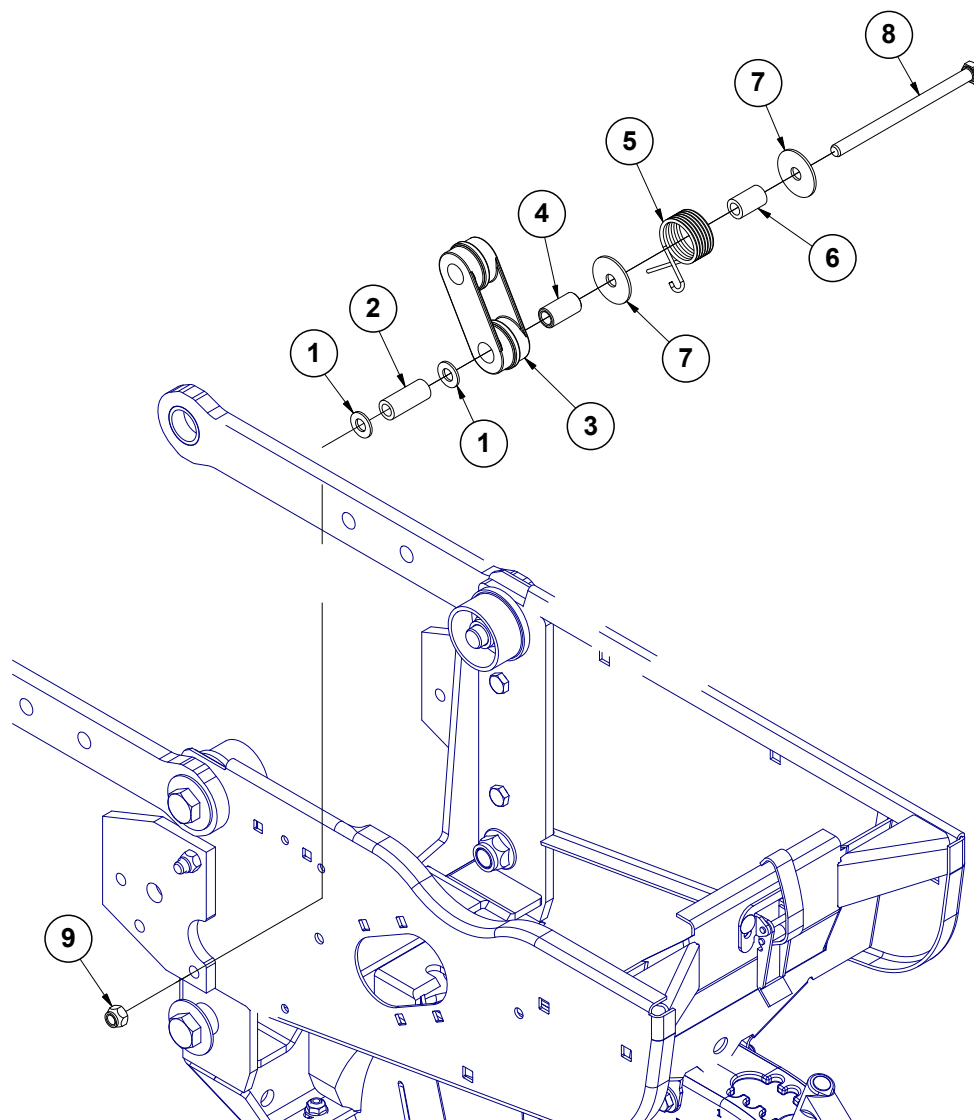
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	1	See "Shank Assembly, Seed Tube, and Depth Adjustment" on page P3
2	G10752	2	Hex Head Cap Screw, 5/8"-18 x 2 1/4"
3	G10329801	1	Hopper Support
4	GA2007	1	Hopper Hold Down Latch
5	G10309	2	Carriage Bolt, 1/4"-20 x 5/8", Grade 2
	G10621	2	Serrated Flange 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	G11013701	1	Clutch Adapter Plate
8	G10338	2	Carriage Bolt, 5/16"-18 x 1 1/4"
	G10109	2	Lock Nut, 5/16"-18
9	G10567	1	External Retaining Ring, 5/8"
10	GD11239	1	Knob
11	GA10137	1	Double Sprocket and Bearing, Drive Clutch, 11/19 Tooth (Mechanical)
	GA12143	-	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	GA10151	-	Seed Meter Clutch Assembly, 11/19 Tooth (Items 9-16) (Mechanical)
B	GA20640	-	Seed Meter Clutch Assembly, 11/28 Tooth (Items 9-16) (Vacuum)

(IP1583)



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

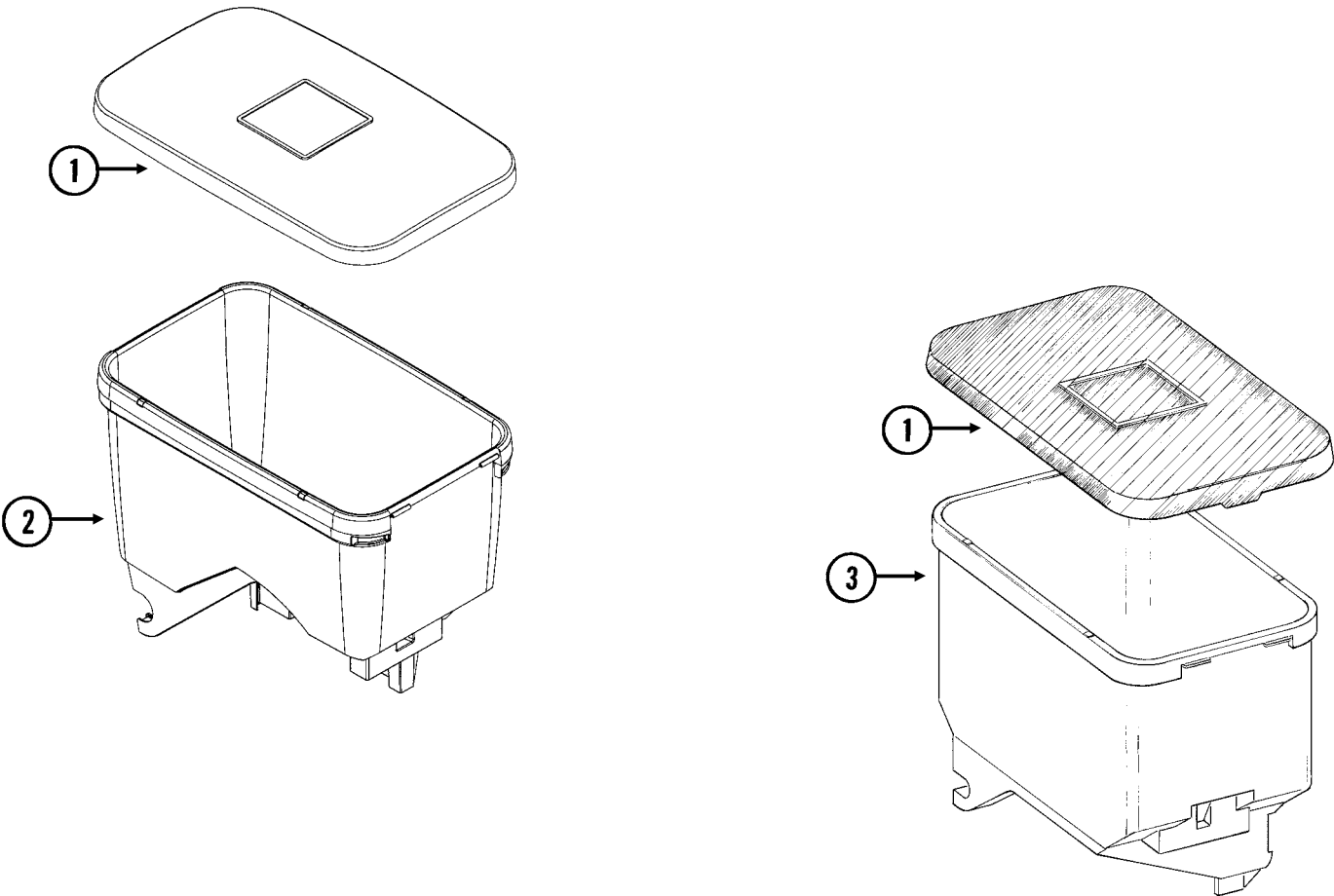
(IP1584)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G11387	2	Flat Washer, $\frac{3}{8}$ " SAE
2	GD23773	1	Chain Idler Spacer
3	GD11962	1	Idler
4	GD1026	1	Sleeve, $1\frac{1}{8}$ " Long
5	GD1065	1	Idler Spring
6	GD7318	1	Sleeve, 1" Long
7	G10201	2	Special Washer, $\frac{3}{8}$ " x $1\frac{1}{2}$ " O.D.
8	G10687	1	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $5\frac{1}{2}$ "
9	G10108	1	Lock Nut, $\frac{3}{8}$ "-16

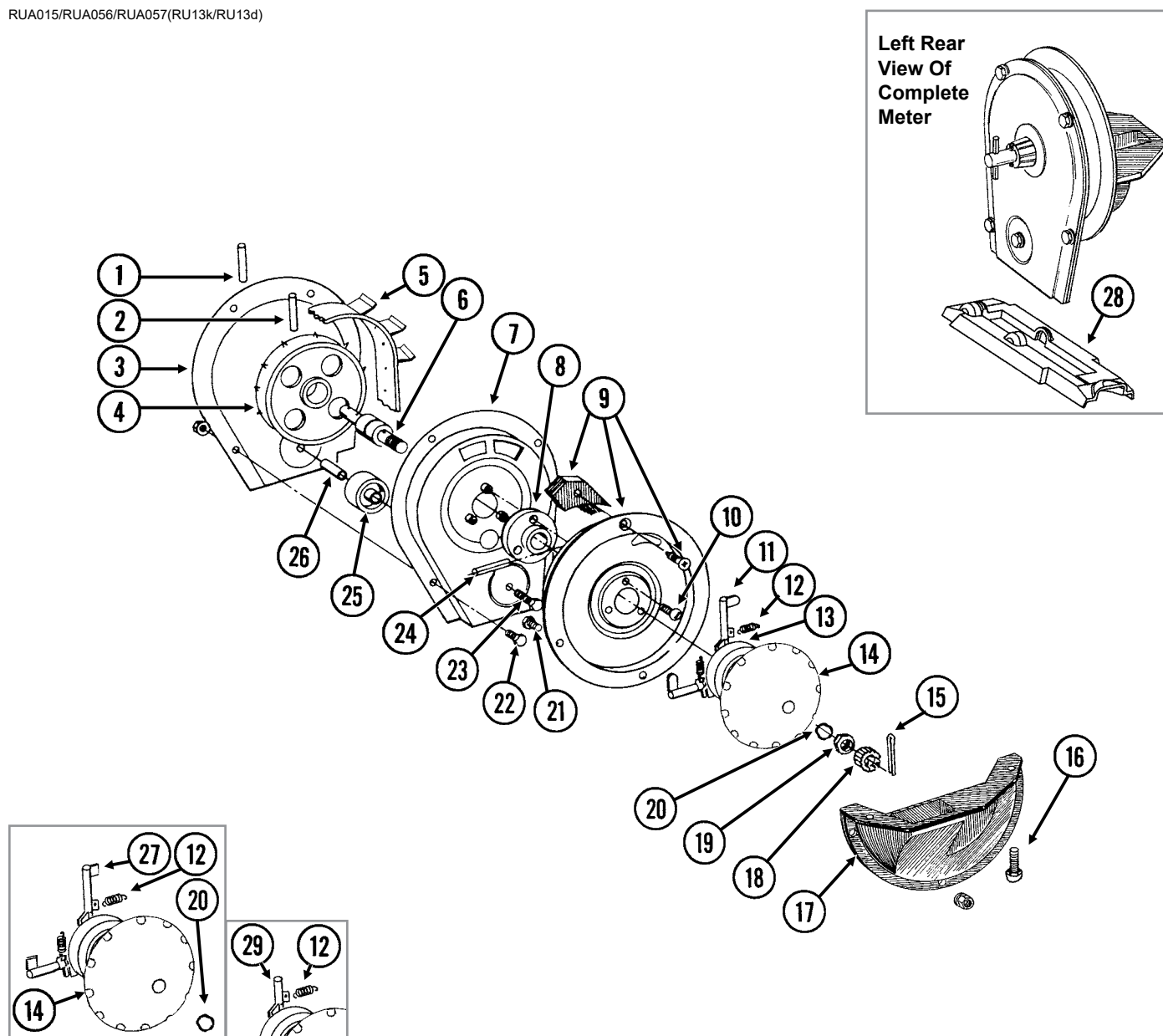
This page left blank intentionally.

(METR12/RU87e)

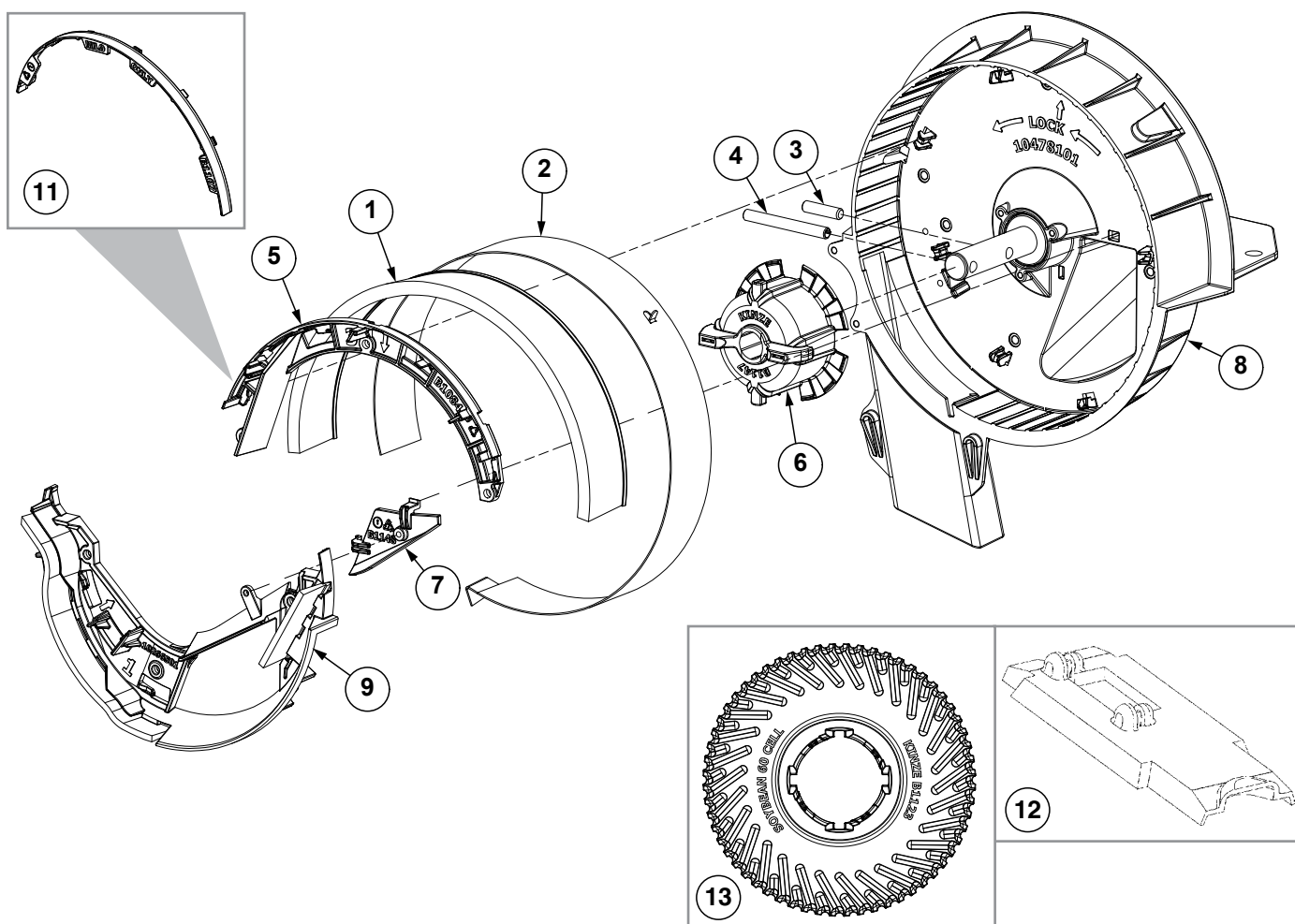


ITEM	PART NO.	QTY.	DESCRIPTION
1	GD11279	1	Lid
2	GA24873	1	Seed Hopper (Vacuum)
	GD12561	-	Threaded Insert, 5/16"-18 (Included W/GA20254)
3	GA9714	1	Seed Hopper, Reinforced (Mechanical)
	GD12561	-	Threaded Insert, 5/16"-18 (Included W/GA20254)

RUA015/RUA056/RUA057(RU13k/RU13d)

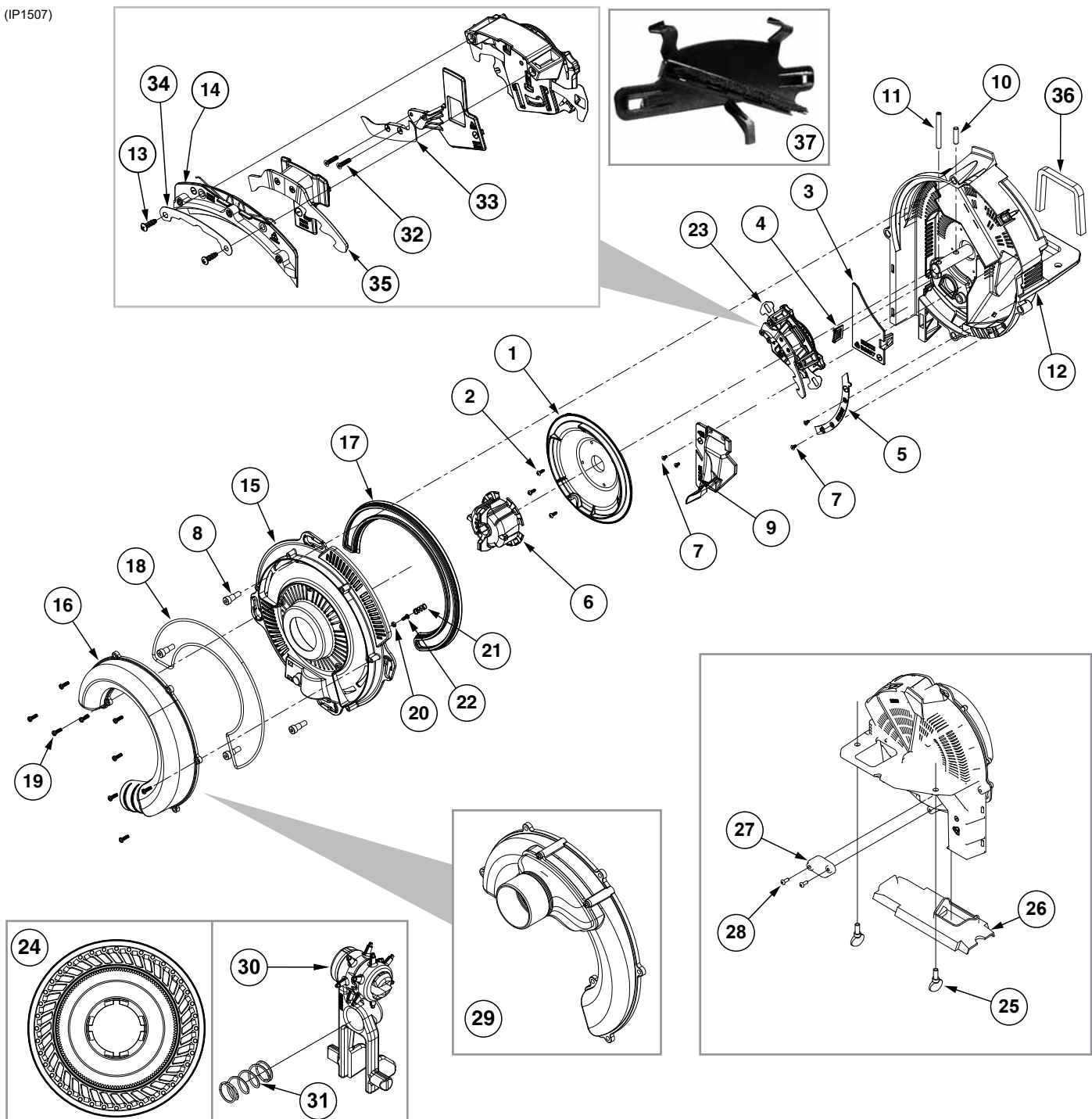


ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G10602	1	Spring Pin, 1/4" x 1 1/2"
2	G10604	1	Spring Pin, 3/16" x 1 1/2"
3	G10429301	1	Housing Cover
4	GD1041	1	Belt Drive Sprocket
5	GD11286	1	Seed Belt
6	GA2019	1	Bearing
7	G10429101	1	Conveyor Housing
8	GB0110	1	Bearing Housing
9	GR1569	-	Carrier Plate W/Brush and Screw (Corn)
	GR0664	-	Carrier Plate W/Brush and Screw (Sunflower)
	GA2020	-	Brush
	G10690	-	Rolling Thread Screw, No. 10 x 3/4"
10	G10401	3	Slotted Hex Washer Head Screw, No. 10-32 x 5/8"
11	GD18704	12	Finger, Corn
12	GD19790	12	Spring
13	GB0410	1	Cam
14	GD11528	1	Finger Holder
15	G10470	1	Cotter Pin, 5/32" x 1"
16	G11009	2	Locking Thumbscrew, 5/16"-18 x 3/4"
17	GD36922	1	Seed Baffle
18	GD1083	1	Cover Nut
19	G10500	1	Jam Nut, 5/8"-18 UNF
20	GA8343	1	Wave Washer, 5/8" (Triple Wave)
21	G10020	3	Hex Head Cap Screw, 1/4"-20 x 5/8"
	G10323	3	Hex Flange Nut, 1/4"-20, No Serrations
22	G10022	4	Hex Head Cap Screw, 1/4"-20 x 1/2"
	G10621	4	Serrated Flange Nut, 1/4"-20
23	G10021	1	Hex Head Cap Screw, 1/4"-20 x 1 1/2"
	G10621	1	Serrated Flange Nut, 1/4"-20
24	G10603	1	Spring Pin, 1/4" x 1 1/4"
25	GD1042	1	Idler
26	GB0120	1	Bushing, 1 7/64" I.D. x 1 1/32" Long
27	GD19333	12	Finger, Oil Sunflower
28	GD15698	1	Shank Cover, Finger Pickup Seed Meter
29	GD11787	-	Half Rate Blank Finger
A	GR1848	-	Finger Assembly, Corn (Items 11-14 and 20)
B	GR2154	-	Finger Assembly, Oil Sunflower (Items 12, 14, 20, 27, and 30)
C	700-01078	-	Corn Meter (Items 1-26 and 28)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GA5699	1	Upper Brush
2	GD8778	1	Wear Strip
3	G11448	1	Pin, 1/4" x 1"
4	G10475	1	Spring Pin, 1/4" x 2 1/4"
5	GB1084	1	Upper Brush Retainer (Used W/Soybean and Wheat Discs)
6	GB1147	1	Disc Hub
7	GB1148	1	Lower Retainer Wall
8	G10478401	1	Brush Meter Housing W/Bearing
9	G10476201	1	Lower Brush Retainer Assembly
	G10266501	1	Lower Brush Retainer (Included W/G10476201)
	GD34021-02	1	Brush, 6" (Included W/G10476201)
	GD35784-01	1	Brush, 2" (Included W/G10476201)
10	---	---	---
11	GB1107	-	Upper Brush Retainer (Used W/Milo/Grain Sorghum Discs)
12	GD15699	1	Shank Cover, Brush-Type Seed Meter
13	GB1123		Seed Disc, Soybean, 60 Cell, Black Color-Coded
	GB1171		Seed Disc, Soybean, 54 Cell, Dark Gray Color-Coded
	GB1124		Seed Disc, Soybean, 48 Cell, Dark Blue Color-Coded
	GB1130		Seed Disc, Small Milo/Grain Sorghum, 30 Cell, Orange Color-Coded
	GB1131		Seed Disc, Large Milo/Grain Sorghum, 30 Cell, Light Blue Color-Coded
	GB1132		Seed Disc, High Rate Small Milo/Grain Sorghum, 60 Cell, Red Color-Coded
	GB1133		Seed Disc, High Rate Large Milo/Grain Sorghum, 60 Cell, Yellow Color-Coded
	GB1134		Seed Disc, Wheat, 54 Cell, Purple Color-Coded
A	700-01339	-	Brush Meter 2.0 (Items 1-11)

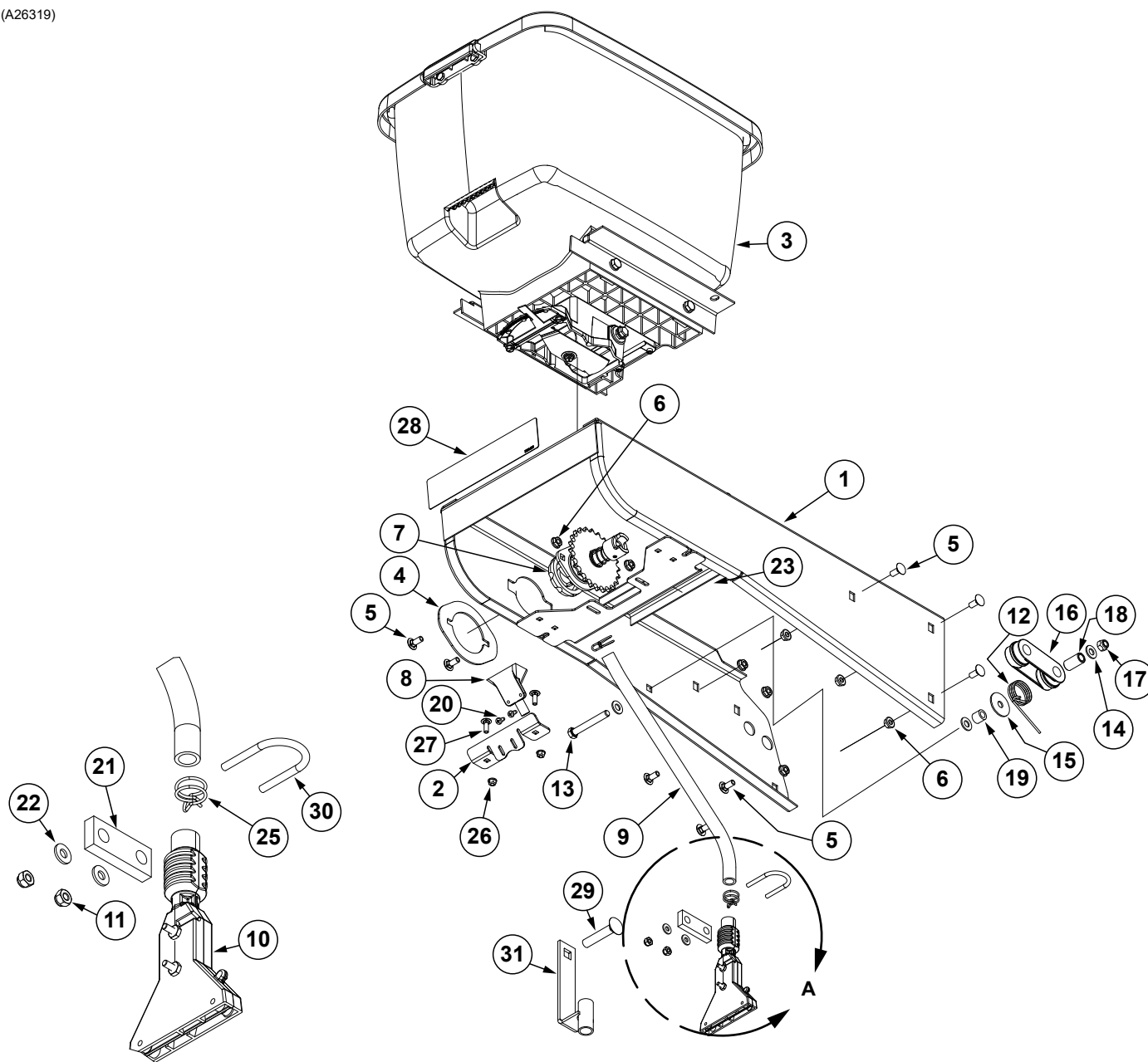
(IP1507)



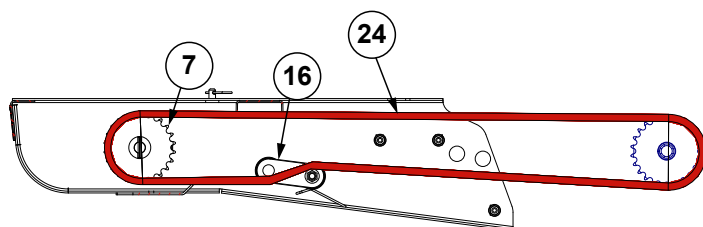
ITEM	PART NO.	QTY.	DESCRIPTION
1	GB0815	1	Shield
2	G11965	3	Torx Pan Head Tapping Screw, No. 6-19 x 3/8"
3	GB0697	1	Chute Cover
4	GB0780	1	Brush
5	GB0823	1	Baffle
6	GB1147	1	Disc Hub

ITEM	PART NO.	QTY.	DESCRIPTION
7	G11618	4	Torx Flat Head Tapping Screw, No. 6-19 x 1/4"
8	G11172	4	Hex Socket Head Shoulder Screw, 1/4"-20 x 3/8", Stainless Steel
9	GA24878	1	Baffle Assembly
10	G11448	1	Pin, 1/4" x 1"
11	G10475	1	Spring Pin, 1/4" x 2 1/4"
12	GA24877	1	Meter Housing W/Bearing
13	G11578	2	Phillips Pan Head Tapping Screw, No. 8-18 x 1/2"
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 1/2"
20	GB0907	1	Retainer Spring
21	G10483101	1	Compression Spring
22	G11619	1	Phillips Pan Head Tapping Screw, No. 6-19 x 3/8"
23	GA24752	1	Singulator Assembly (Includes Items 13 and 14)
24	G11152X	1	Seed Disc, Corn (40 Cell) Light Blue Color-Coded, Ejector Wheel, and Spring
	G11047X	-	Seed Disc, Soybean (120 Cell) Black Color-Coded, Ejector Wheel, and Spring
	G11154X	-	Seed Disc, Sugar Beets/Milo, Dark Orange Color-Coded, Ejector Wheel, and Spring
	G11153X	-	Seed Disc, Sunflower (40 Cell) Gray Color-Coded, Ejector Wheel, and Spring
	G11105X	-	Seed Disc, Cotton (60 Cell) Green Color-Coded, Ejector Wheel, and Spring
	G11106X	-	Seed Disc, Black Turtle, Navy Edible Bean and Popcorn (60 Cell) Brown Color-Coded, Ejector Wheel, and Spring
	G11107X	-	Seed Disc, Pinto, Great Northern Edible Beans, and Soybean (60 Cell) Dark Blue Color Coded, Ejector Wheel, and Spring
	GB1237	-	Anti-Static Blank Seed Disc
	GB1231	-	Blank Seed Disc
	G11048X	-	Seed Disc, Soybean (60 Cell) Black Color-Coded
	G11042X	-	Seed Disc, Wheat (54 Cell) Purple Color-Coded
	G11332X	-	Seed Disc, Wheat (231 Cell) Red Color-Coded, Ejector Wheel, Spring, and Wheat Brush Singulator (Item 37)
25	G11009	2	Locking Thumbscrew, 5/16"-18 x 3/4"
26	GB0926	1	Shank Cover
27	GD28631	1	Cover Plate
28	G11281	2	Hex Button Head Cap Screw, 10-24 x 1/2"
29	GA20111	1	Vacuum Port, Push Row Unit
30	G10665101	-	Ejector Arm, Corn
	G10483401	-	Ejector Arm, Soybean (120 Cell)
	G10665001	-	Ejector Arm, Sunflower
	G10664901	-	Ejector Arm, Beets/Milo
	G10614301	-	Ejector Arm, Black Turtle, Navy, Pinto, Great Northern Edible Bean, Popcorn
	G10483201	-	Ejector Arm, Soybean (60 Cell)
	GA26989	-	Ejector Arm, Wheat (54 Cell)
	G10936101	-	Ejector Arm, Wheat (231 Cell)
31	G10483101	-	Compression Spring
32	G11693	2	Torx Flat Head Machine Screw, No. 4-40 x 1/2"
33	GB0921	1	Lower Blade
34	GD29657	1	Retainer
35	GB0958	1	Outer Blade
36	GD34774	1	Meter Gasket
37	G10983301	1	Wheat Brush Singulator Assembly
	G10983101	1	Wheat Brush Mount (Included W/G10983301)
	G10983201	1	Brush (Included W/G10983301)
A	G9903X	-	Vacuum Meter Assembly, Pull Row Unit (Excludes Items 24 and 29-31)
B	G9897X	-	Vacuum Meter Assembly, Push Row Unit (Excludes Items 16, 24, and 30-31)
C	GA20622	-	Cover Assembly (Items 15-22)

(A26319)



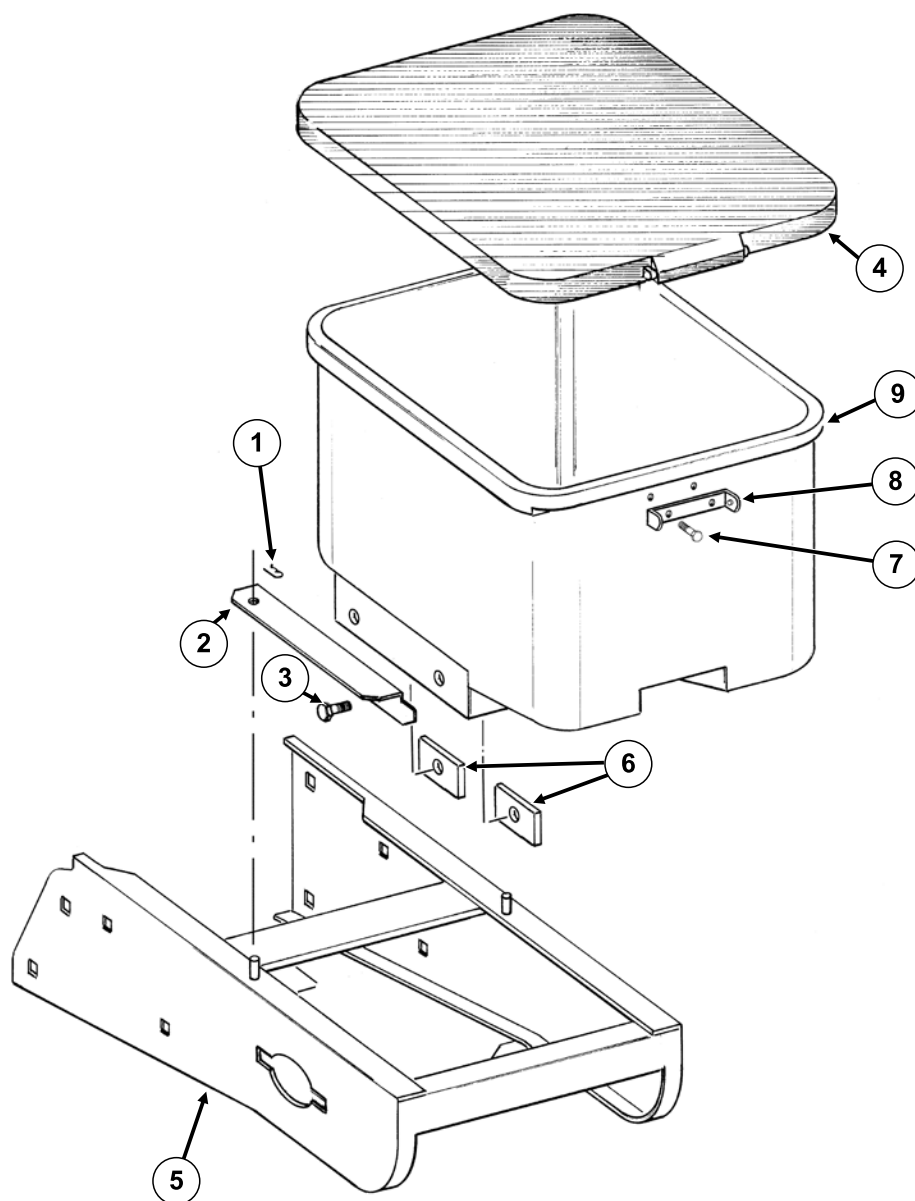
Detail A



Chain Routing

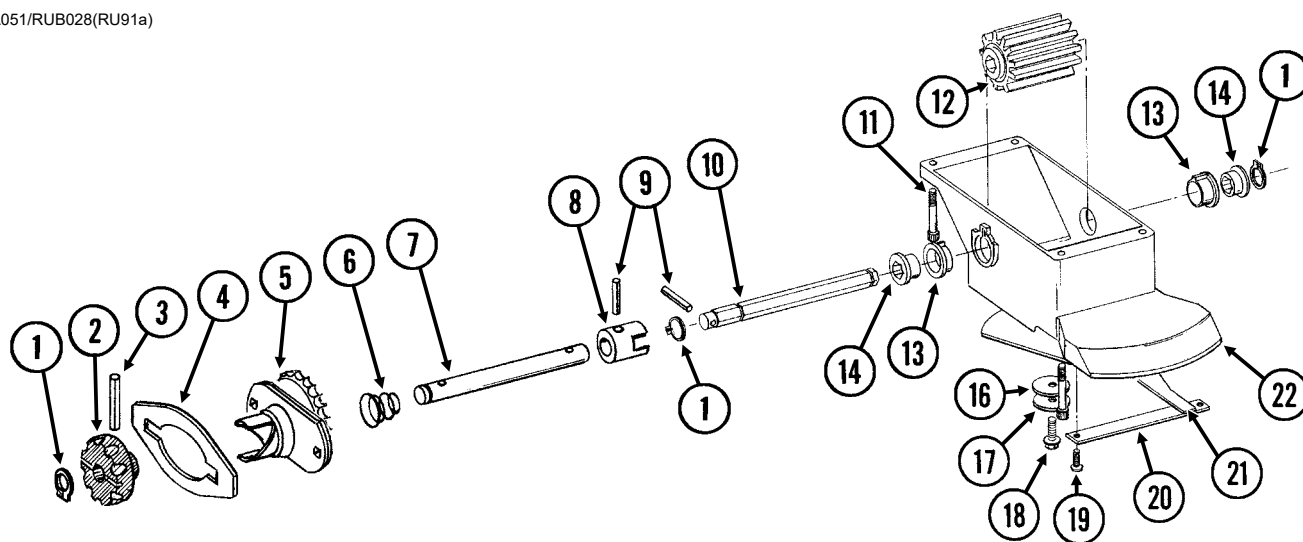
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GA26287	1	Hopper Panel Extension (Non-Stock Item)
2	GD36277	1	Funnel Bracket
3	---	-	See "Granular Chemical Hopper and Hopper Panel Extension" on page P33
4	GD11305	1	Plate
5	G10312	8	Carriage Bolt, 5/16"-18 x 3/4"
6	G10620	8	Serrated Flange Nut, 5/16"-18
7	---	1	See "Granular Chemical Meter and Meter Drive" on page P34
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	G3303-114	1	Chain, No. 41, 114 Pitch Including Connector Link (Mechanical)
	G3303-108	-	Chain, No. 41, 108 Pitch Including Connector Link (Vacuum)
	GR0196	1	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 P265
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)

(METR14d)



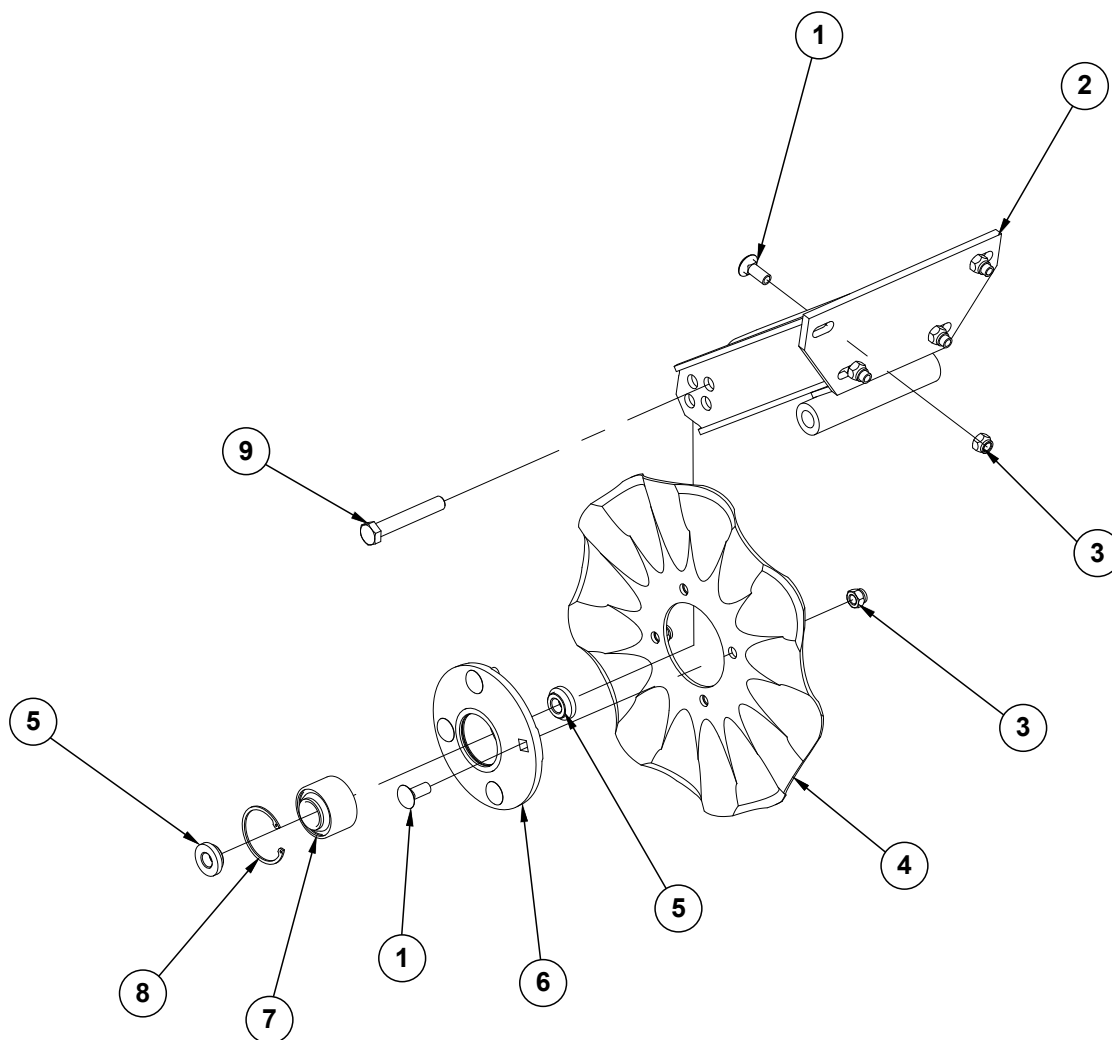
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G10670	2	Hair Pin Clip, No. 3
2	GD1059L	1	Support, L.H. (Shown)
	GD1059R	1	Support, R.H.
3	G10002	4	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $\frac{3}{4}$ "
	G10229	4	Lock Washer, $\frac{3}{8}$ "
4	GA4444	1	Lid
5	GA26287	1	Hopper Panel Extension (Non-Stock Item)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

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 P33
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"
12	GD7148	1	Feed Roller, Hex Bore
13	GB0115	2	Bearing
14	GD7258	2	Hex Bushing
15	---	-	---
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)

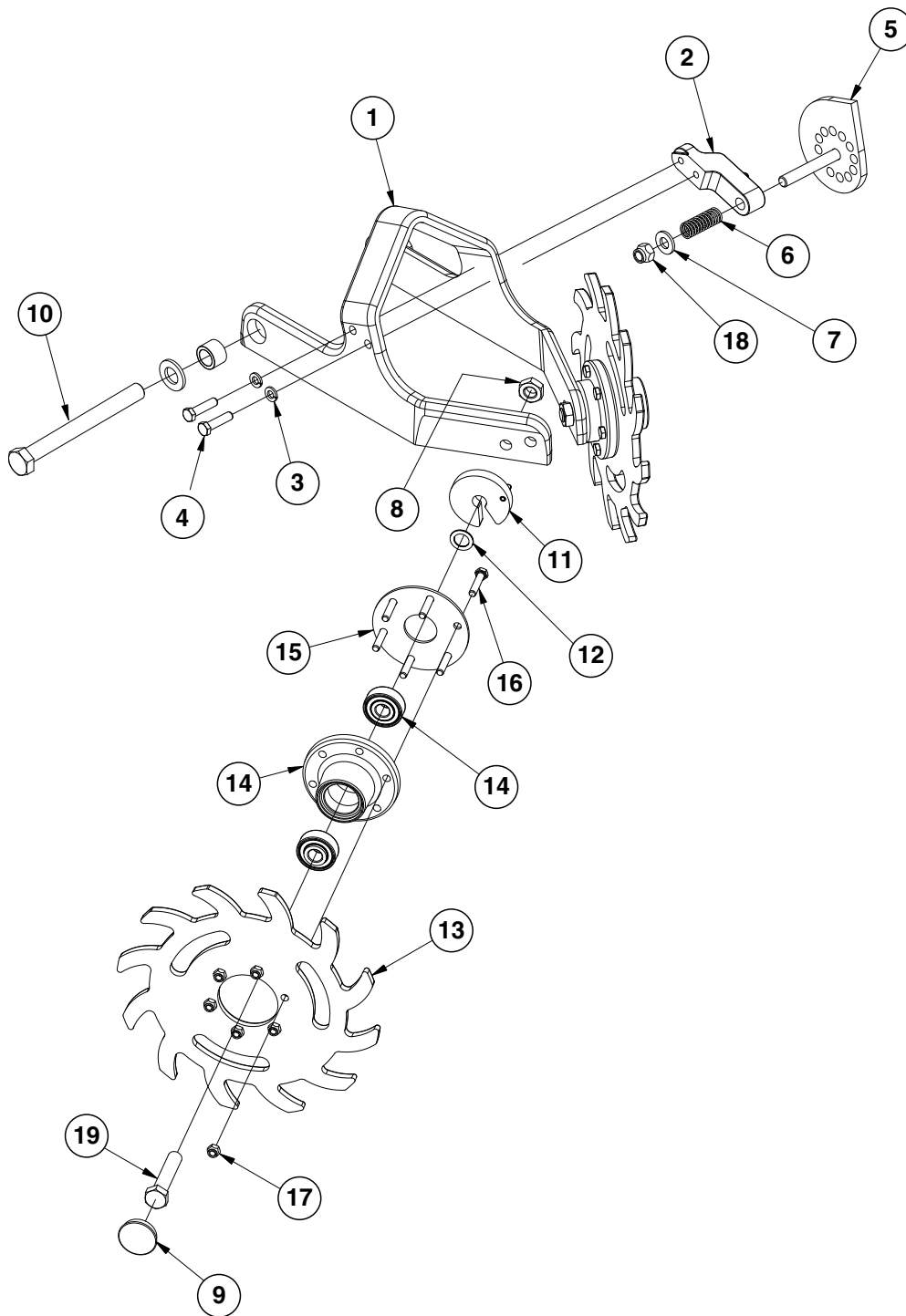
(IP1279)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G10636	8	Carriage Bolt, 1/2"-13 x 1 1/2"
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
	G10901301	-	Disc Blade, Fluted, 5/8", 25 Waves
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

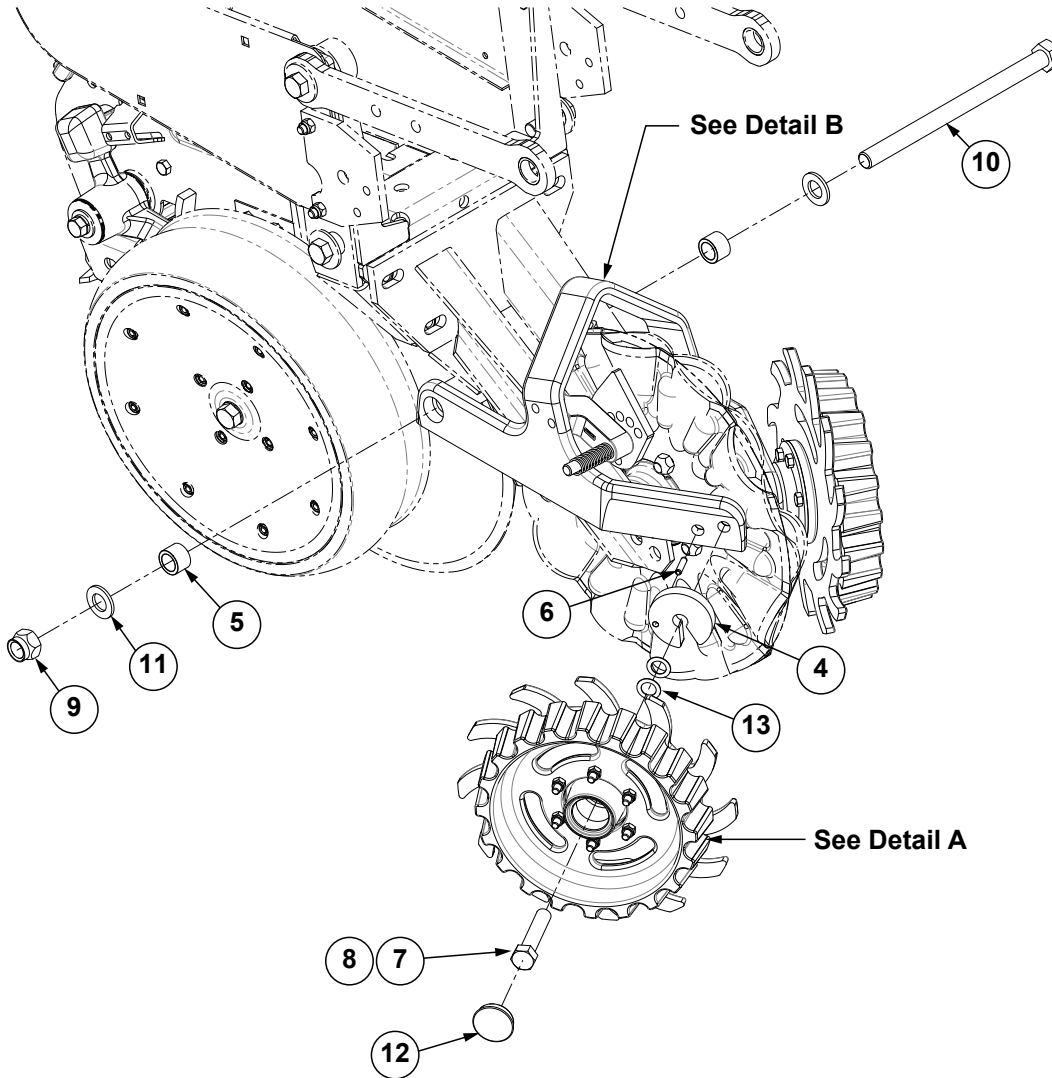
This page left blank intentionally.

(IP1468)

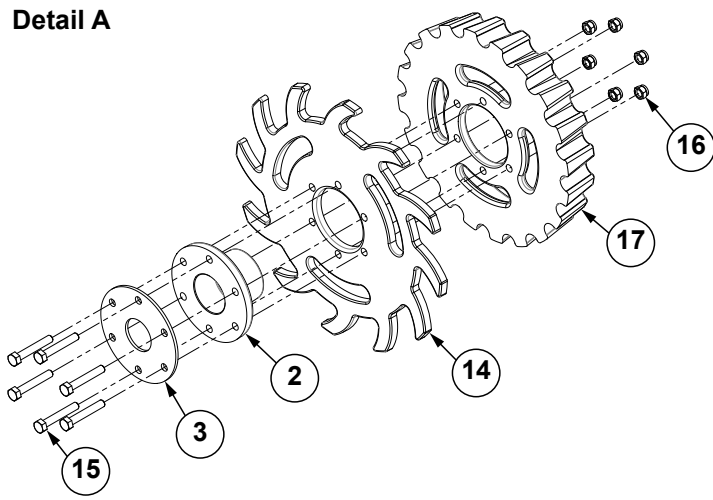


ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GB0464	1	Residue Wheel Mount
2	GD26973	1	Cam Locking Pin
3	G10229	2	Lock Washer, $\frac{3}{8}$ "
4	G10004	2	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $1\frac{1}{4}$ "
5	GA27038	1	Cam
6	GD10519	1	Spring
7	G11389	1	Flat Washer, $\frac{1}{2}$ " Plated SAE
8	G10503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

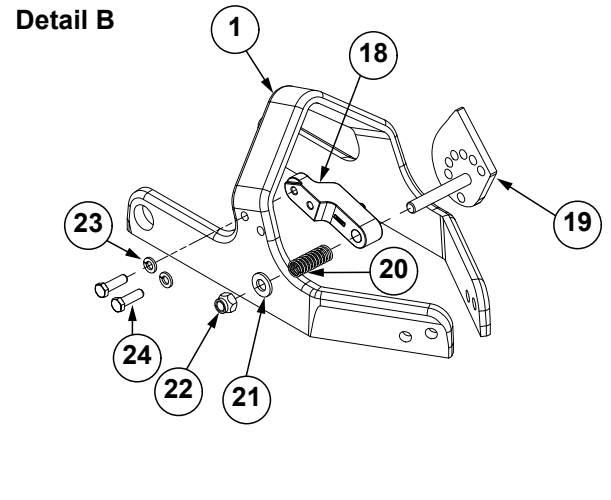
(106531/106528/A19012)



Detail A

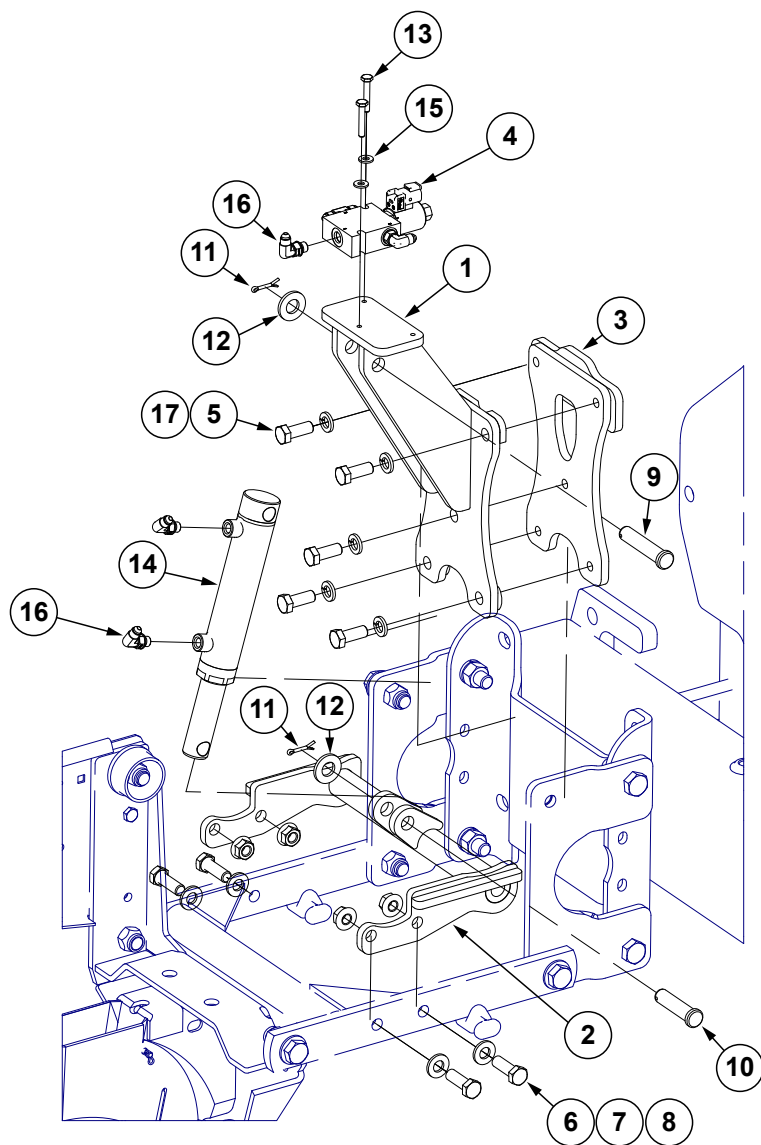


Detail B



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GB0464	1	Residue Wheel Mount
2	GA5654	2	Hub W/Bearings
	GA2014	-	Bearing (Included W/GA5654)
3	GD9724	1	Backing Plate
4	GD11784	2	Weed Guard
5	GB0383	2	Bushing, 1 1/8" O.D. x 25/32" I.D. x 3/4" Long
6	G10765	2	Spring Pin, 1/4" x 1"
7	G10010	2	Hex Head Cap Screw, 5/8"-11 x 3"
8	G10503	2	Hex Jam Nut, 5/8"-11, Grade 2
9	G11228	1	Lock Nut, 3/4"-10
10	G11236	1	Hex Head Cap Screw, 3/4"-10 x 10 1/2"
11	G11392	2	Flat Washer, 3/4" SAE
12	GD1132	2	Dust Cap
13	GD30725	4	Machine Bushing, 5/8" (.030" Thick)
14	GB0387	1	Wheel, 12 Tine, 3/8" x 12"
15	G10041	6	Hex Head Cap Screw, 5/16"-18 x 2"
16	G10109	6	Lock Nut, 5/16"-18, Grade 8
17	G10427101	1	Row Cleaner Floater
18	GD26973	1	Cam Locking Pin
19	GA27038	1	Cam
20	GD10519	1	Spring
21	G11389	1	Flat Washer, 1/2" Plated SAE
22	G10974	1	Lock Nut W/Nylon Insert, 1/2"-13
23	G10229	2	Lock Washer, 3/8"
24	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
A	G10652801	1	L.H. Residue Wheel (Items 2-3 and 14-17)
B	G10652901	1	R.H. Residue Wheel (Items 2-3 and 14-17)

(A25516_a)



ITEM	PART NO.	QTY. (per row)	DESCRIPTION
1	GA25258	1	Upper Mounting Bracket
2	GA25257	1	Lower Mounting Bracket
3	GA25401	1	Back Mount
4	---	1	See "Row Unit Control Block, Pull Row Units" on page P200
5	G10037	5	Hex Head Cap Screw, 1/2"-13 X 1 1/4"
6	G10017	4	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
7	G11389	4	Flat Washer, 1/2" Plated SAE
8	G10071	4	Serrated Flange Nut, 1/2"-13
9	G11875	1	Clevis Pin, 5/8" x 3"
10	G10564	1	Clevis Pin, 5/8" x 2 1/2"
11	G10451	2	Cotter Pin, 1/8" x 1"
12	G11391	2	Flat Washer, 5/8" SAE
13	GD35459	2	Hex Head Cap Screw, 1/4"-20 x 1 1/2", Grade 5 (W/Blue Loctite)
14	GA25261	1	See "Hydraulic Down Force Cylinder" on page P181
15	G11385	2	Flat Washer, 1/4" SAE
16	G6801-04-04	3	90° Elbow, 7/16"-20
17	G10228	5	Lock Washer, 1/2"

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

[See "Shank Assembly, Seed Tube, and Depth Adjustment" on page P3](#)

[See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Forces Springs Option" on page P7](#)

[See "15" Seed Opener Disc Blade/Bearing Assembly and Scrapers" on page P11](#)

[See "Gauge Wheels" on page P13](#)

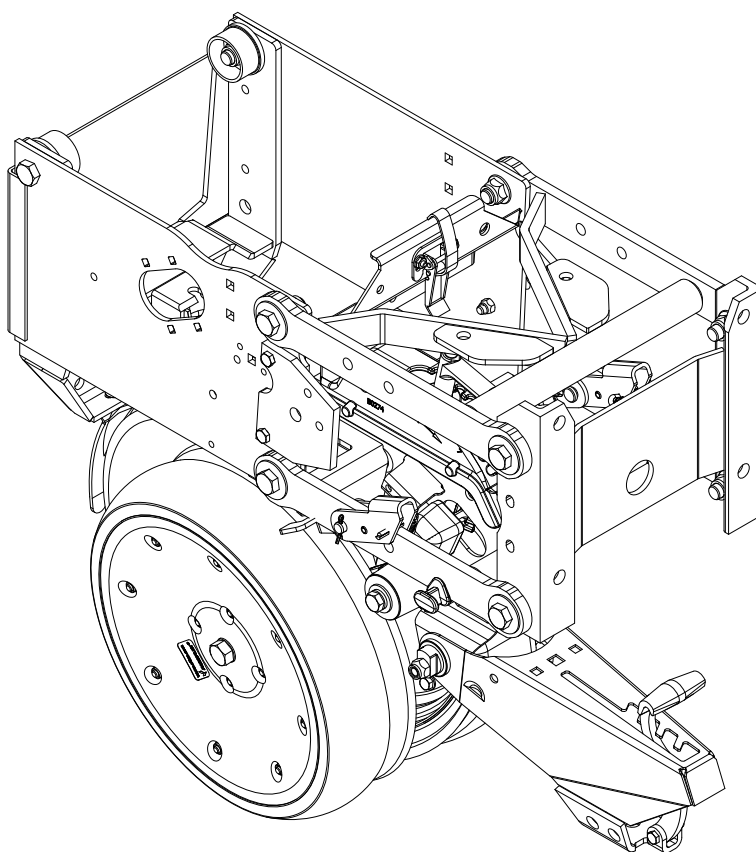
[See "'V" Closing Wheels" on page P15](#)

[See "Hopper Support and Meter Drive" on page P19](#)

[See "Seed Hopper and Lid" on page P24](#)

[See "Row Unit Idler \(Ground Contact Drive\)" on page P21](#)

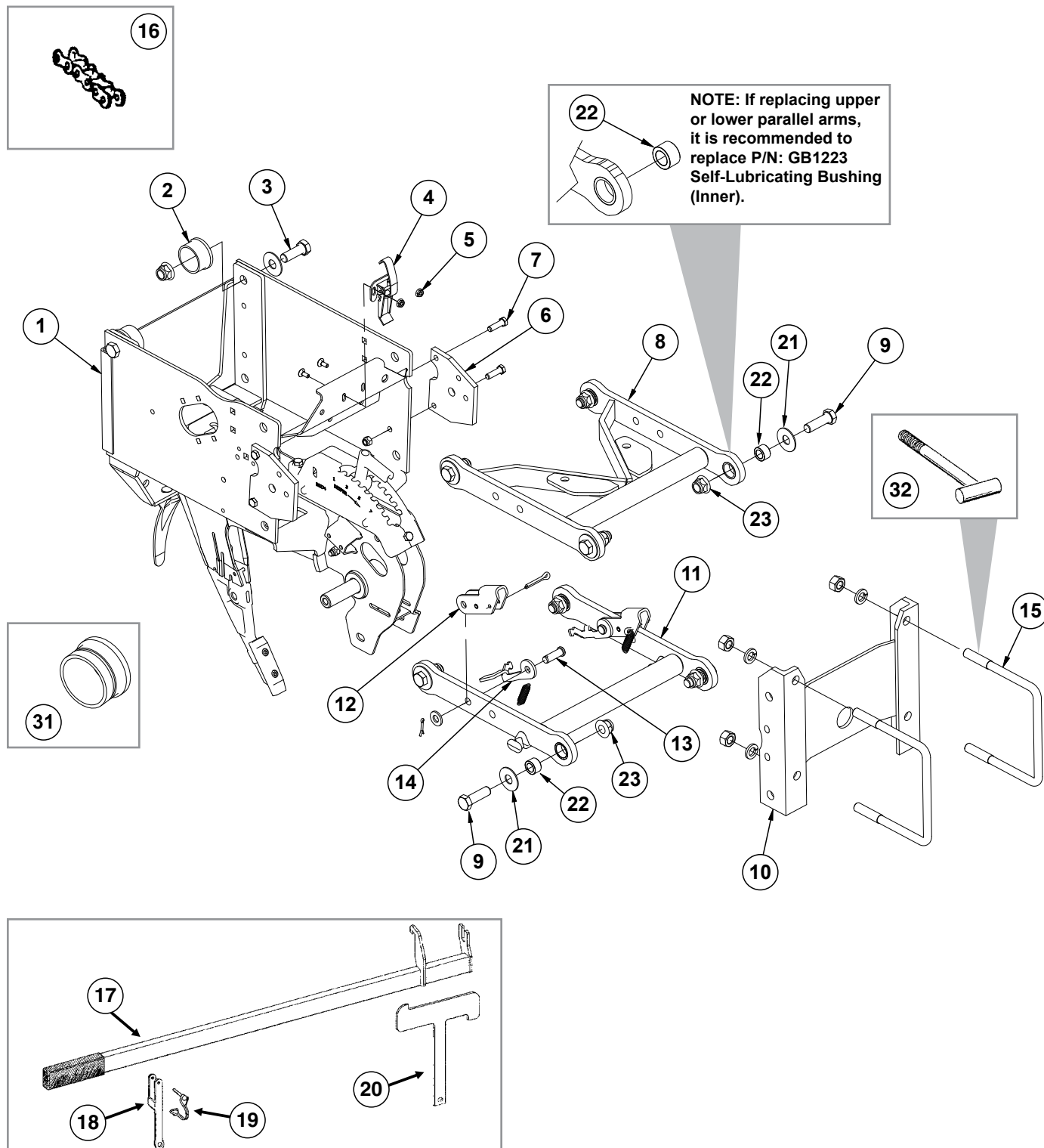
NOTE: Row unit assembly does not include the following: seed meter assembly, seed tube assembly, row unit hopper assembly, closing wheels, or seed meter clutch.

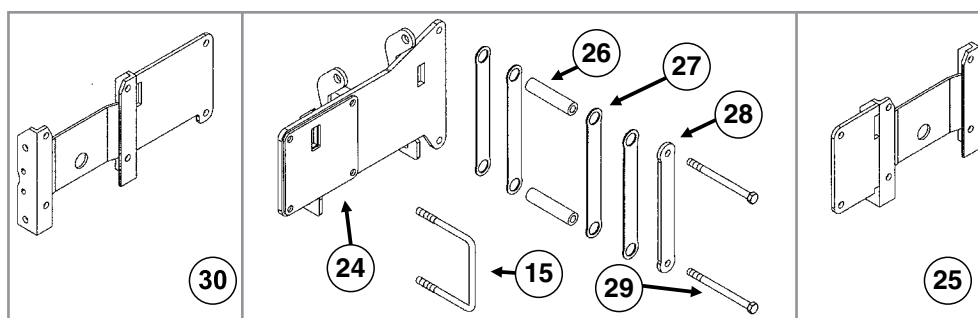


ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G10504X	1	Push Row Unit Assembly, Standard Gauge Wheel
2	G10985X	1	Push Row Unit Assembly, Spoked Gauge Wheel

This page left blank intentionally.

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





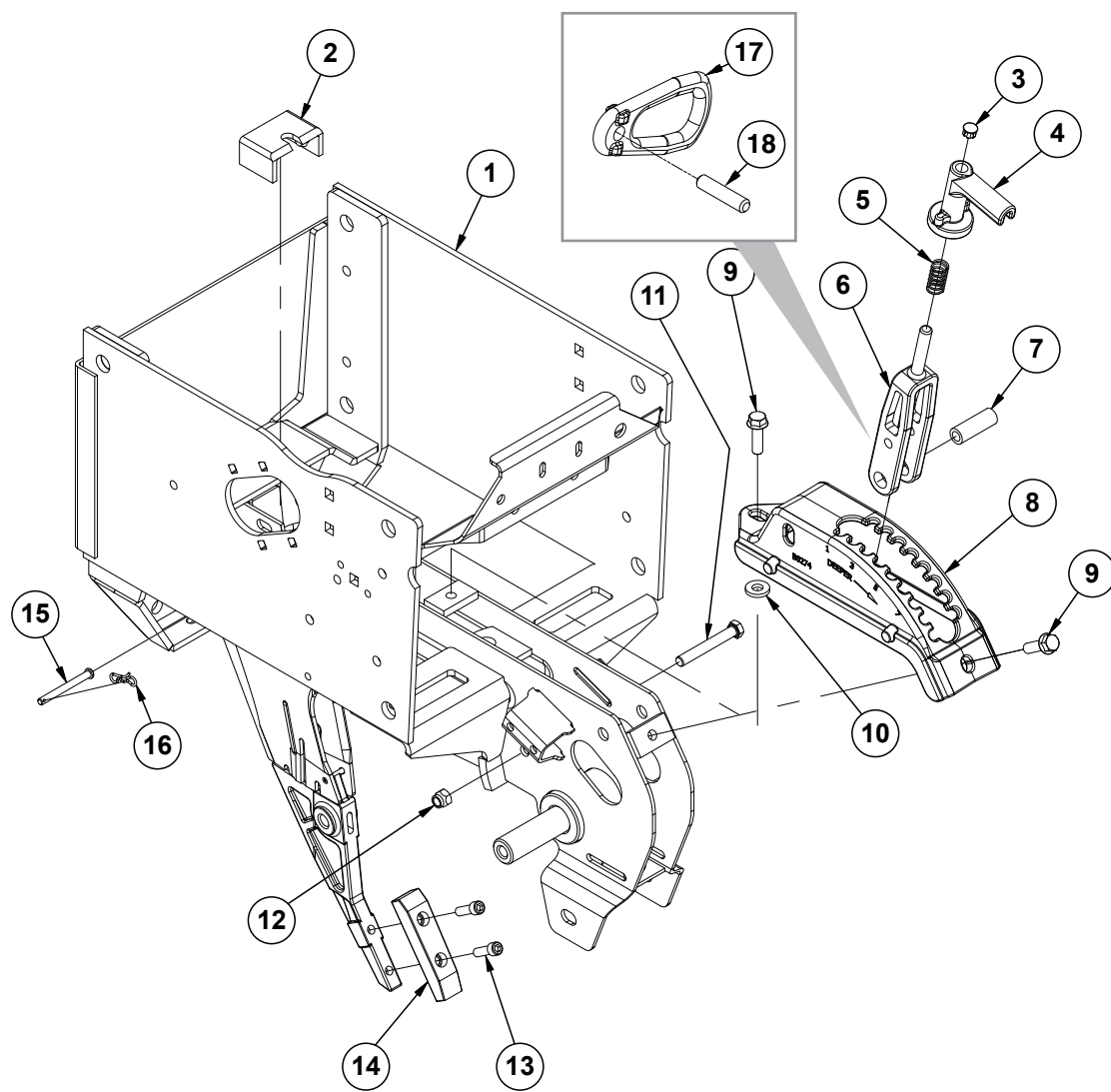
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	1	See "Shank and Depth Adjustment (Split Row)" on page P49
2	GB0314	2	Hopper Mount
3	G10751	2	Hex Head Cap Screw, 5/8"-18 x 1 3/4"
	G11514	2	Lock Nut, 5/8"-18
4	GA2007	1	Hopper Hold Down Latch
5	G10621	2	Serrated Flange Nut, 1/4"-20
	G10309	2	Carriage Bolt, 1/4"-20 x 5/8", Grade 5
6	GD24545	2	Row Unit Stop
7	G10003	4	Hex Head Cap Screw, 3/8"-16 x 1 1/2"
	G10108	4	Lock Nut, 3/8"-16
8	G10011301	1	Upper Parallel Arm Assembly
	GB1224	-	Self-Lubricating Bushing (Included W/G10011301)
9	G10732	4	Hex Head Cap Screw, 5/8"-18 x 2"
10	GA11971	1	Mounting Plate
11	G10011401	1	Lower Parallel Arm Assembly
	GB1224	-	Self-Lubricating Bushing (Included W/G10011301)
12	GD11264	1	Lockup
	G10718	2	Spring Pin, 5/16" x 1 1/8"
	G10463	2	Cotter Pin, 1/4" x 1 1/2"
	GD25569	2	Spring
13	G10284	2	Clevis Pin, 1/2" x 1 1/2"
	G11389	2	Flat Washer, 1/2" Plated SAE
	G10451	2	Cotter Pin, 1/8" x 1"
14	GD25568	1	Spring Mount Tab, L.H.
	GD29459	1	Spring Mount Tab, R.H.
15	GD1113	2	U-Bolt, 5" x 7" x 5/8"-11
	G10230	4	Lock Washer, 5/8"
	G10104	4	Hex Nut, 5/8"-11
16	G3303-96	1	Chain, No. 41, 96 Pitch Including Connector Link
	GR0196	1	Connector Link, No. 41
17	GA24889	-	Lift Lever W/Boot
	GD11649	-	Boot (Included W/GA24889)
18	GD35471	1	Bracket (Lift Lever)
19	GD9695	1	Wire Lock Pin, 1/4" x 1 3/4"
20	GD35472	1	Mount
21	G11976	8	Flat Washer, 5/8" x 1 3/4"
22	GB1223	8	Self-Lubricating Bushing
23	G11514	8	Lock Nut, 5/8"-18
24	GA12677	-	Offset Hinge Mount
25	GA12675	-	Offset Mount
26	GD7817-18	2	Spacer, 1 1/16" I.D. x 5 1/2" Long

Continued on the next page.

ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
27	GD18136	4	Pad
28	GD18135	1	Bar
29	G10341	-	Hex Head Cap Screw, 5/8"-11 x 8"
	G10230	-	Lock Washer, 5/8"
	G10104	-	Hex Nut, 5/8"-11
30	GA12676	-	Offset Mount
31	GD17052	-	Vacuum Plug
	G10001	-	Hex Head Cap Screw, 3/8"-16 x 1"
	G10108	-	Lock Nut, 3/8"-16
	G11387	-	Flat Washer, 3/8" SAE
32	GA9105	-	T-Bolt, 5/8"-11 x 6" (Center Rows)
	G10230	-	Lock Washer, 5/8"
	G10104	-	Hex Nut, 5/8"-11
A	G1K534	-	Push Unit Lock-Up Kit, Items 6, and 12-14 (Includes GD24545 - Push Unit Stop)
B	G1K535	-	Push Unit Spring Lock-Up Kit, Items 12-14
C	G1K759	-	Push Row Unit Parallel Kit, Includes: (1) G10011301, (1) G10011401, (8) GB1223, (8) G11976, (2) G10732, (8) G11514, (6) G10751, (2) IS1066

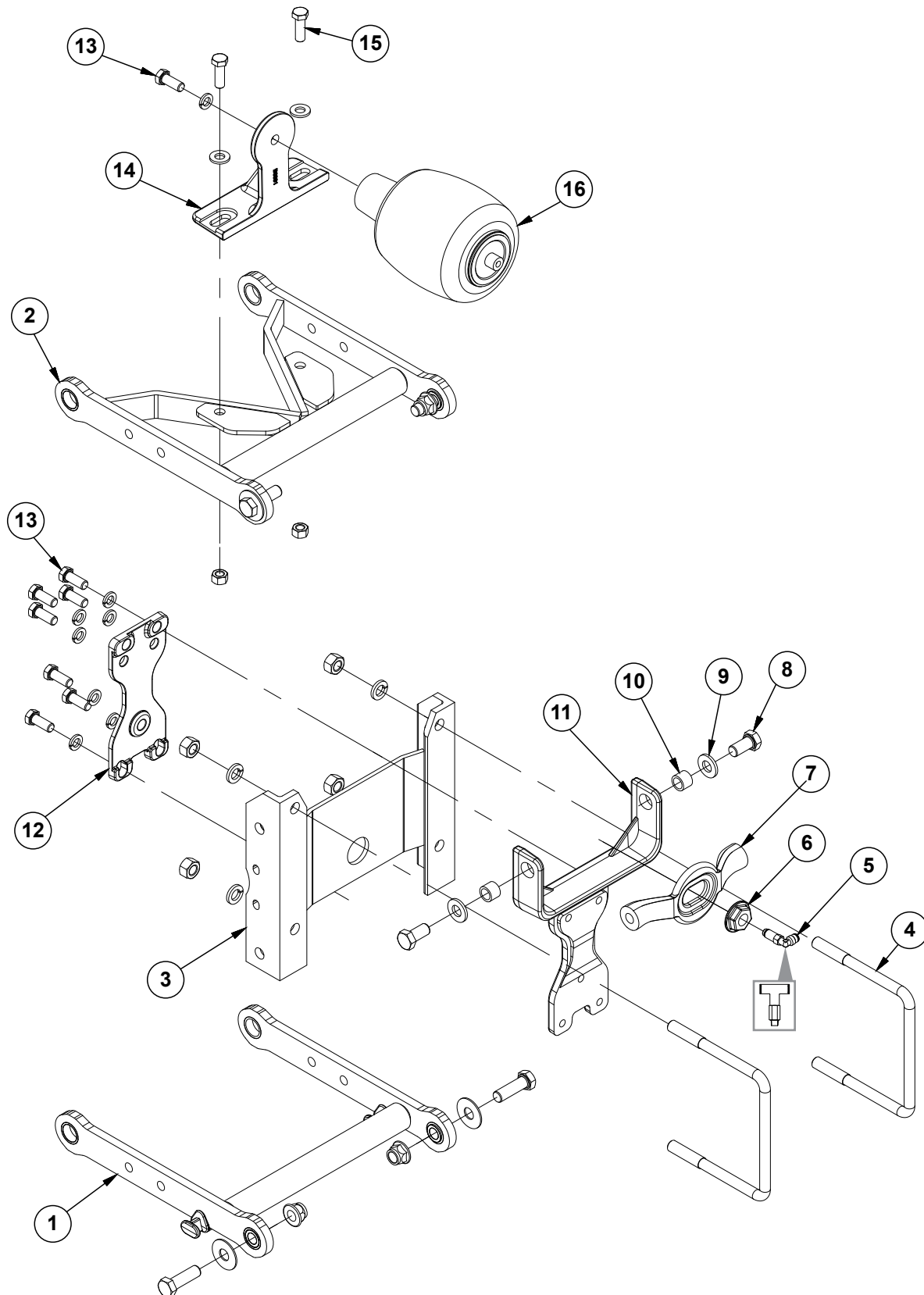
This page left blank intentionally.

(IP1585)



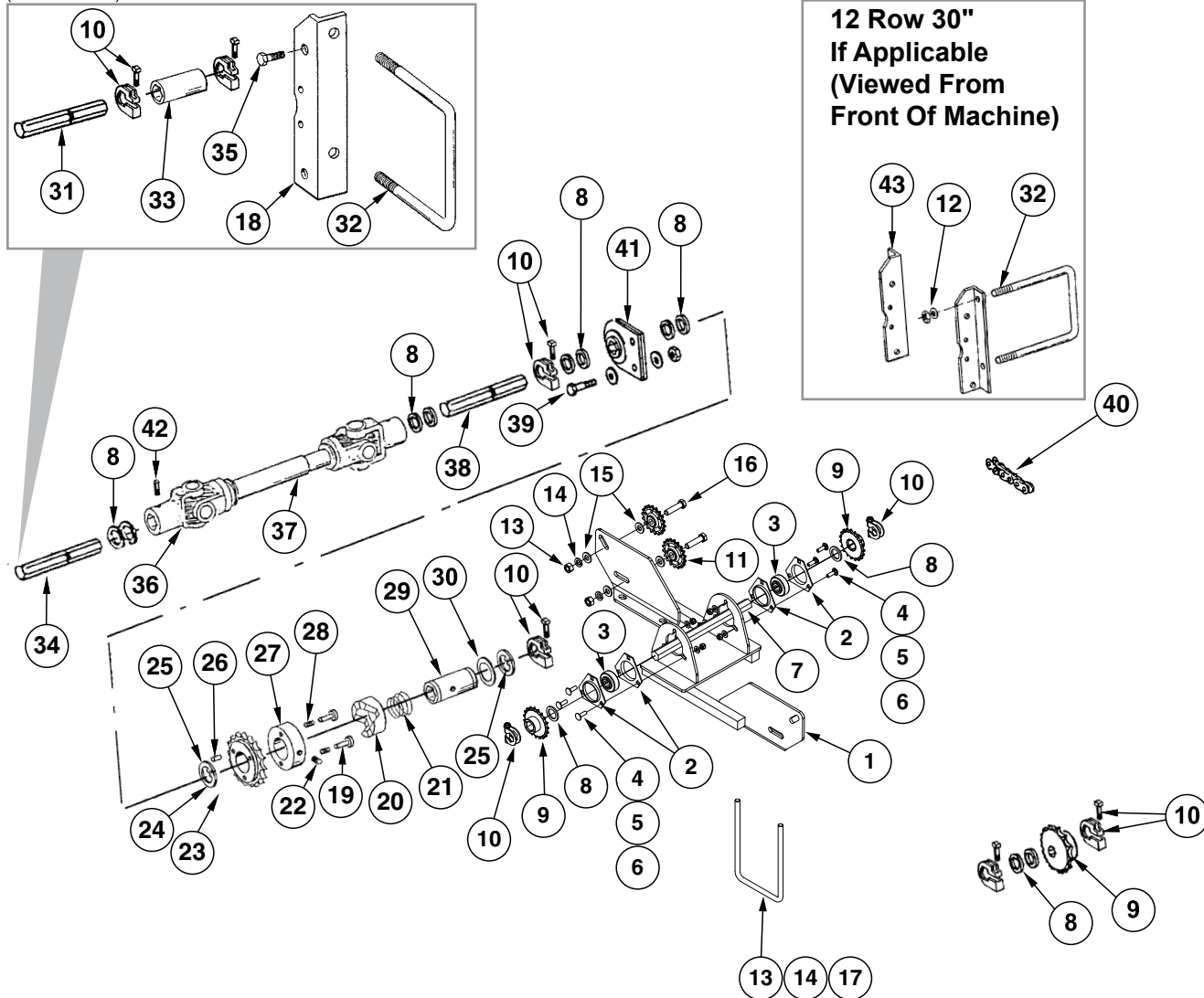
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GA26297	1	Push Row Unit Shank
2	GD16245	1	Sun Shade (Rubber)
3	GD3612	1	Cap Plug
4	GB0266	1	Handle, Depth Adjustment
5	GD10993	1	Spring
6	GB0267	1	Lever, Depth Adjustment
7	GD11259	1	Sleeve, $\frac{3}{8}$ " I.D. x $\frac{5}{8}$ " O.D. x $1\frac{25}{32}$ " Long
8	GB0274	1	Cover, Depth Adjustment
9	G11015	2	Hex Washer Head Cap Screw, $\frac{3}{8}$ "-16 x $1\frac{1}{4}$ "
10	G10207	1	Washer, $\frac{7}{8}$ " O.D. x $1\frac{3}{32}$ " I.D. x .134"
11	G11592	1	Hex Head Cap Screw, $\frac{3}{8}$ "-24 x $2\frac{3}{4}$ ", Grade 8
12	G11591	1	Nylon Lock Nut, $\frac{3}{8}$ "-24, Grade C
13	G10500901	2	Hex Socket Head Cap Screw, $\frac{5}{16}$ "-18 x 1"
14	G10038601	1	Scraper
15	G10551	1	Clevis Pin, $\frac{1}{4}$ " x $2\frac{1}{2}$ "
16	G10122301	1	Bow Tie Cotter Pin
17	GB0285	1	Collar, Depth Adjustment
18	G10402701	1	Pin, $\frac{3}{8}$ " x $1\frac{2}{3}$ "

(IP1641)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	---	See "Parallel Arms and Face Plate (Split Row)" on page P45
2	---	---	See "Parallel Arms and Face Plate (Split Row)" on page P45
3	---	1	See "Parallel Arms and Face Plate (Split Row)" on page P45
4	---	---	See "Parallel Arms and Face Plate (Split Row)" on page P45
5	GD18011 GD18274	1 -	Elbow, 3/8" x 1/8" NPT Extended Tee, 3/8" x 1/8" NPT Extended, Push Row Unit
6	GB0397	1	Shoulder Nut, 3/4"-16
7	GB0392	1	Yoke
8	G11018	2	Hex Head Cap Screw, 5/8"-18 x 1 1/4"
9	G11391	2	Flat Washer, 5/8" SAE
10	GD3180-30	2	Sleeve, 7/8" O.D. x 5/8" I.D. x 2 1/32"
11	GB0390	1	Yoke Mount
12	GB0389	1	Plate
13	G10037 G10228	8 8	Hex Head Cap Screw, 1/2"-13 x 1 1/4" Lock Washer, 1/2"
14	GB0391	1	Mount
15	G10017 G11389 G10228 G10102	2 2 2 2	Hex Head Cap Screw, 1/2"-13 x 1 1/2" Flat Washer, 1/2" SAE Lock Washer, 1/2" Hex Nut, 1/2"-13
16	GA11982	1	Air Spring Assembly

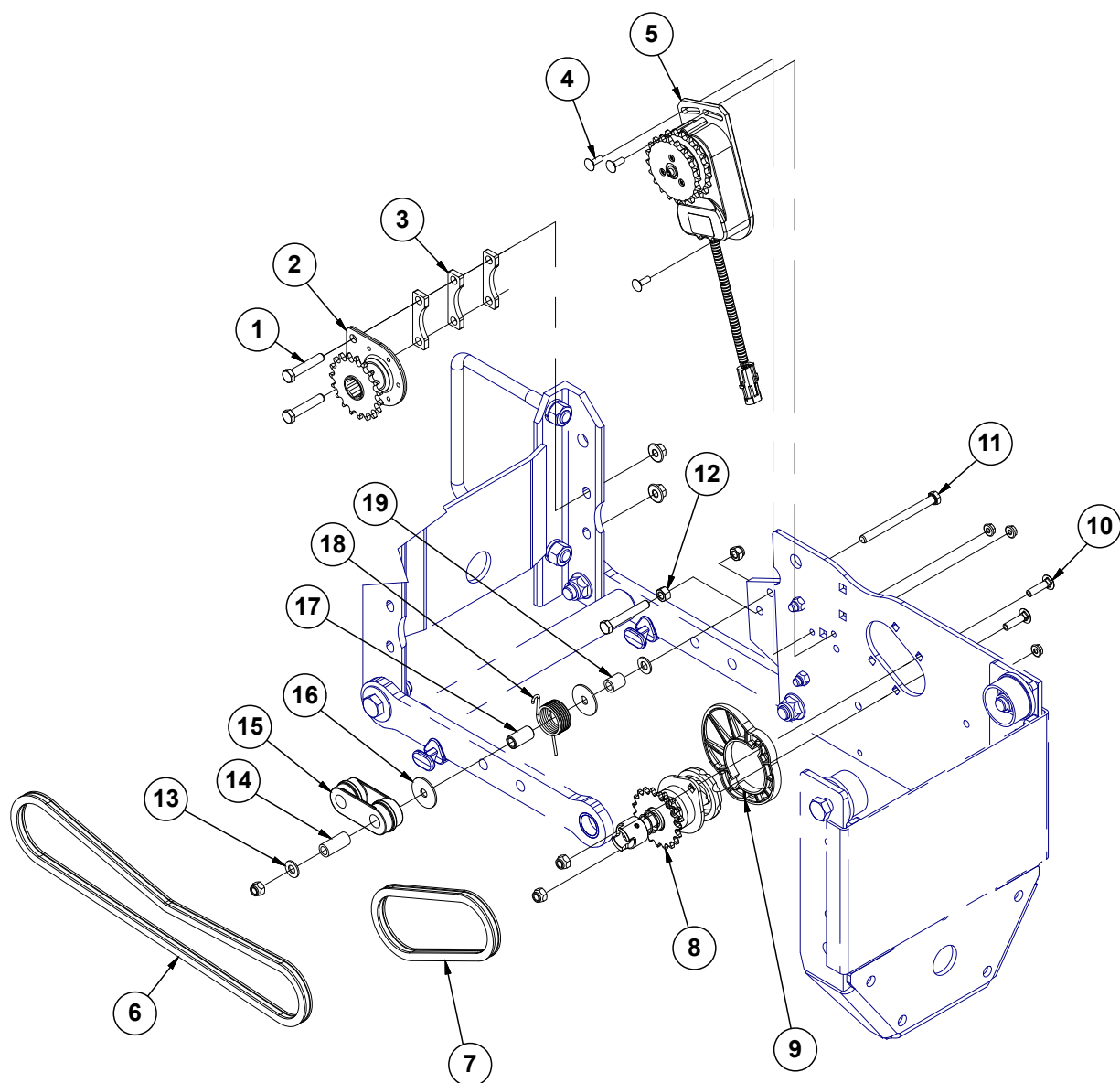
(RU134a/IP1505)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA24371	1	L.H. Crossover
	GA24372	-	R.H. Crossover
2	G3400-01	4	Flangette
3	G2100-03	2	Bearing, $\frac{7}{8}$ " Hex Bore, Spherical
4	G11386	6	Flat Washer, $\frac{5}{16}$ " SAE
5	G10109	6	Lock Nut, $\frac{5}{16}$ "-18
6	G10303	6	Carriage Bolt, $\frac{5}{16}$ "-18 x 1"
7	GD0914-12.50	1	Hex Shaft, $\frac{7}{8}$ " x 12 $\frac{1}{2}$ "
8	G10233	2	Machine Bushing, 1 $\frac{1}{2}$ " x $\frac{1}{32}$ ", 10 Gauge (.1345")
9	GA5107	2	Sprocket, 19 Tooth
10	GA11331	2	Hex Lock Clamp Assembly
11	GA7154	2	Sprocket W/Bearing, 18 Tooth
12	GD11973	-	Support Angle, L.H.
13	G10102	4	Hex Nut, $\frac{1}{2}$ "-13
14	G10228	4	Lock Washer, $\frac{1}{2}$ "
15	G11389	8	Flat Washer, $\frac{1}{2}$ " Plated SAE
16	G10016	4	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x 2"

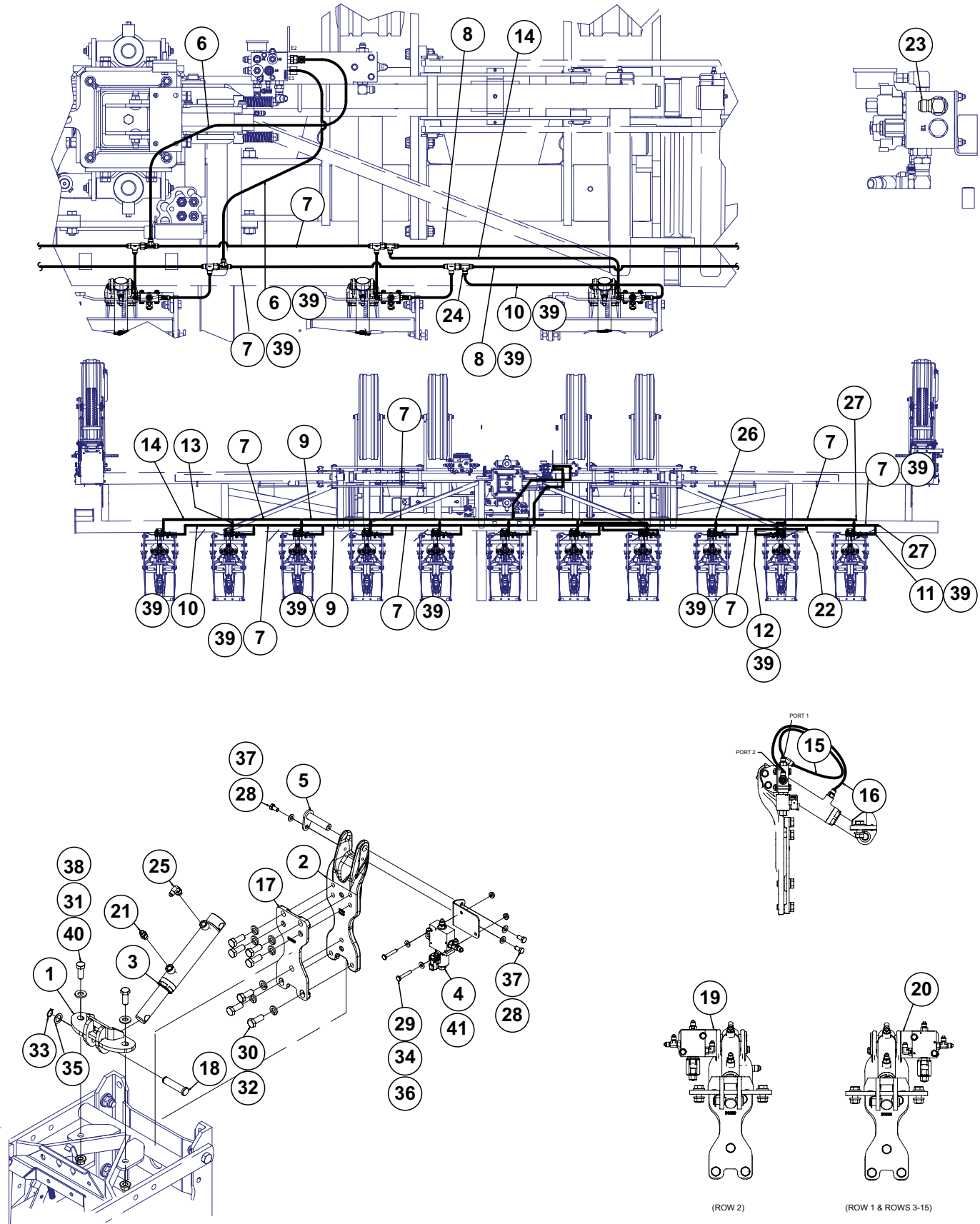
ITEM	PART NO.	QTY.	DESCRIPTION
17	GD8306	2	U-Bolt, 7" x 5" x 1/2"-13
18	GD11972	-	Support Angle, R.H.
19	GR1410	1	Pin
20	GR1409	1	Knurled Collar
21	GR1408	1	Compression Spring
22	G10535	1	Hex Socket Set Screw, 3/8"-16 x 3/4"
23	GR1412	1	Sprocket, 19 Tooth
24	GR1406	1	Bushing
25	G10496	2	External Inverted Snap Ring, 1 1/2"
26	G10968	1	Spring Pin, 5/32" x 7/16"
27	GR1405	1	Lock Collar
28	GR1413	1	Spring
29	GR1407	1	Drive Shaft
30	GR1411	1	Shim
31	GD0914-15	-	Hex Shaft, 7/8" x 15" (No Holes), 12 Row 30" W/Even-Row Push Row Unit
	GD0914-24	-	Hex Shaft, 7/8" x 24" (No Holes), 12 Row 36"/38" W/Even-Row Push Row Unit
	GD0914-27	-	Hex Shaft, 7/8" x 27" (No Holes), 16 Row 30" W/Even-Row Push Row Unit
32	GD1113	-	U-Bolt, 5" x 7" x 5/8"-11
	G10230	-	Lock Washer, 5/8"
	G10104	-	Hex Nut, 5/8"-11
33	GD1719	-	Coupler, 4"
34	GD0914-48	-	Hex Shaft, 7/8" x 48" (No Holes), R.H. Side, 12 Row 30" And 16 Row 30"
	GD0914-66	-	Hex Shaft, 7/8" x 66" (No Holes), L.H. Side, 12 Row 30" And 16 Row 30"
35	G10752	-	Hex Head Cap Screw, 5/8"-18 x 2 1/4"
	G11391	-	Flat Washer, 5/8" SAE
	G10412	-	Lock Nut, 5/8"-18
36	GA7052	-	U-Joint W/Grease Fitting, Female, 10 1/4" Long, 12 Row 30" And 16 Row 30"
	GR1557	-	Grease Fitting, 45°, Metric (Included W/GA7052)
	GR1297	-	Inboard Yoke And Outer Profile (10 1/4" U-Joint) (Included W/GA7052)
	GR1298	-	Inboard Yoke And Outer Profile (18 1/8" U-Joint)
	GR1294	-	Cross And Bearing Kit (Included W/GA7052)
	GR1293	-	Yoke, 7/8" Hex (Included W/GA7052)
37	GA7051	1	U-Joint W/Grease Fitting, Male, 12 1/4" Long
	GR1557	-	Grease Fitting, 45°, Metric (Included W/GA7051)
	GR1296	-	Inner Profile (Included W/GA7051)
	GR1295	-	Inboard Yoke (Included W/GA7051)
	GR1301	-	Spring Pin, 8 mm x 50 mm (Included W/GA7051)
	GR1294	-	Cross And Bearing Kit (Included W/GA7051)
	GR1293	-	Yoke, 7/8" Hex (Included W/GA7051)
38	GD0914-90	-	Hex Shaft, 7/8" x 90" (No Holes), Both Sides, 12 Row 30"
	GD0914-128	-	Hex Shaft, 7/8" x 128" (No Holes), R.H. Side, 16 Row 30"
	GD0914-138	-	Hex Shaft, 7/8" x 138" (No Holes), L.H. Side, 16 Row 30"
39	G10004	-	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G11387	-	Flat Washer, 3/8" SAE
	G10229	-	Lock Washer, 3/8"
	G10101	-	Hex Nut, 3/8"-16
40	G3310-122	1	Chain, No. 40, 122 Pitch Including Connector Link
	GR0912	-	Connector Link, No. 40
41	GA2180	-	Hanger Bearing, 7/8" Hex Bore
42	G10688	-	Square Head Set Screw, 3/8"-16 x 5/8"
A	GA8092	-	Clutch Sprocket Assembly, 19 Tooth (Items 19-30)
B	G1K331	-	Clutch Sprocket Kit (Items 23, 24 And 26)

(IP1665)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G10048	2	Hex Head Cap Screw, 3/8"-16 x 2"
	G11091	2	Serrated Flange Nut, 3/8"-16
2	GA1720	1	Bearing/Sprocket, 7/8" Hex Bore
3	GD23774	3	Spacer
4	G10310	3	Carriage Bolt, 1/4"-20 x 3/4", Grade 2
	G10621	3	Serrated Flange Nut, 1/4"-20
5	GA16374	1	Electric Clutch
6	G3303-78	1	Chain, No. 41, 78 Pitch Including Connector Link
7	G3303-41	1	Chain, No. 41, 41 Pitch Including Connector Link
8	GA10151	1	Seed Meter Clutch Assembly, 11/19 Tooth (Mechanical)
	GA20640	-	Seed Meter Clutch Assembly, 11/28 Tooth (Vacuum)
9	G11013701	1	Clutch Adapter Plate
10	G10338	2	Carriage Bolt, 5/16"-18 x 1 1/4"
	G10109	2	Lock Nut, 5/16"-18
11	G10753	1	Hex Head Cap Screw, 3/8"-16 x 4 1/2"
	G10108	2	Lock Nut, 3/8"-16
12	G10101	1	Hex Nut, 3/8"-16
	G10049	1	Hex Head Cap Screw, 3/8"-16 x 2 1/2"
13	G11387	2	Flat Washer, 3/8" SAE
14	GD8893-01	1	Sleeve, 1 3/8" Long
15	GB0968	1	Drive Idler, Push Unit
16	G10201	2	Special Washer, 3/8" x 1 1/2" O.D.
17	GD1026	1	Sleeve, 1 3/16"
18	GD11218	1	Spring
19	GD2971-24	1	Sleeve, 3/4"

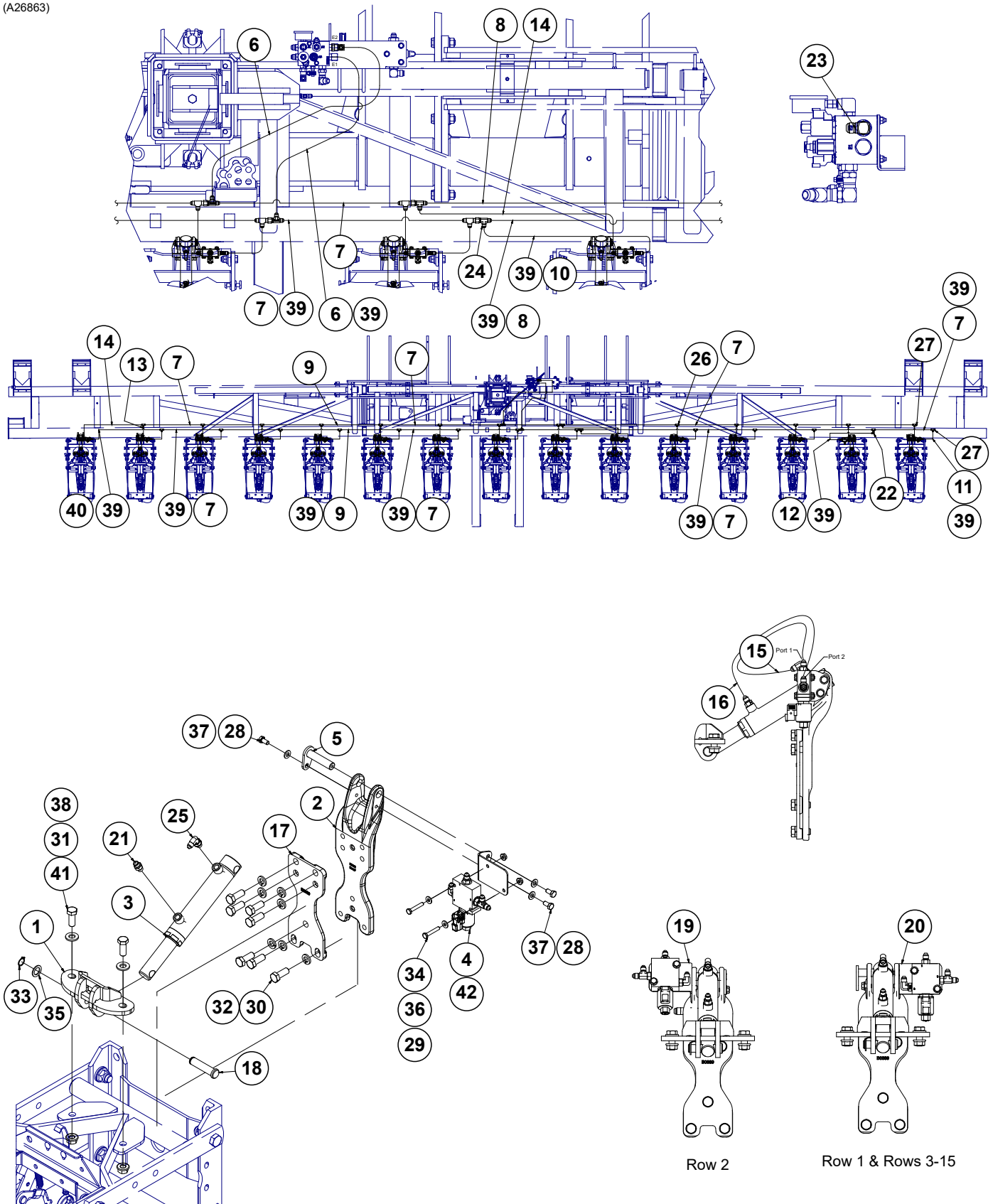
(A26868)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25240	11	Rod Mount
2	GD35211	11	Down Force Cylinder Mount
3	GA25261	11	See "Hydraulic Down Force Cylinder" on page P181
4	---	9	See "Row Unit Control Block, Push Row Units" on page P201 (Rows, 1, 3, 4, 6, 7, and 9-11)
5	GA25384	11	Hammer Strap Pin
6	*A25690-48	2	Hose Assembly, 3/8" x 48" (06F-08F STD 90)
7	*A12038	12	Hose Assembly, 3/8" x 30" (06F-06F)
8	*A12080	2	Hose Assembly, 3/8" x 64" (06F-06F)
9	*A15081-36	2	Hose Assembly, 3/8" x 36" (06F-06F)
10	*A7680-35	2	Hose Assembly, 1/4" x 35" (04F 90S-06F)
11	*A7680-11	8	Hose Assembly, 1/4" x 11" (04F-06F)
12	*A7681-28	1	Hose Assembly, 1/4" x 28" (04F 90S-06F)
13	*A7680-14	9	Hose Assembly, 1/4" x 14" (04F-04F)
14	*A7682-35	2	Hose Assembly, 1/4" x 35" (04L90F-06F)
15	*A7678-20	11	Hose Assembly, 1/4" x 20" (04F-04F)
16	*A7678-19	11	Hose Assembly, 1/4" x 19" (04F-04F)
17	GB0389	11	Plate
18	GD26970	11	Pin, 5/8" x 2 1/2"
19	GD35230	1	Valve Block Mount, R.H.
20	GD35231	10	Valve Block Mount, L.H.
21	6400-04 GR1465	11 -	Connector W/O-Ring, 7/16"-20 Male JIC To O-Ring O-Ring
22	G6500-06	1	Swivel Elbow, 90°, 9/16"-18 Male JIC To Female
23	G6500-08	1	Swivel Elbow, 90°, 3/4"-16 Male JIC To Female
24	G6602-06	4	Swivel Tee, 9/16"-18 JIC
25	G6801-04-04	11	90° Adjustable Elbow, 7/16"-20
26	G2603-06	18	Tee, 9/16"-18 Male JIC
27	G304-C-6	2	Cap Nut, 9/16"-18
28	G10018	33	Hex Head Cap Screw, 5/16"-18 x 5/8"
29	G10021	22	Hex Head Cap Screw, 1/4"-20 x 1 1/2"
30	G10037	99	Hex Head Cap Screw, 1/2"-13 x 1 1/4"
31	G10071	22	Serrated Flange Nut, 1/2"-13
32	G10228	77	Lock Washer, 1/2"
33	G10567	11	External Retaining Ring, 5/8"
34	G10621	22	Serrated Flange Nut, 1/4"-20
35	G10918	11	Machine Bushing, 5/8", 14 Gauge (.0747")
36	G11385	22	Flat Washer, 1/4" SAE
37	G11386	33	Flat Washer, 5/16" SAE
38	G11389	22	Flat Washer, 1/2" Plated SAE
39	GD35904-01	40	Hose Identification Sleeve, Purple PP
40	G10017	22	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
41	---	2	See "Row Unit Control Block, Push Row Units" on page P201 (Rows 5 and 8)

* Hydraulic hose is not stocked by Kinze Repair Parts.

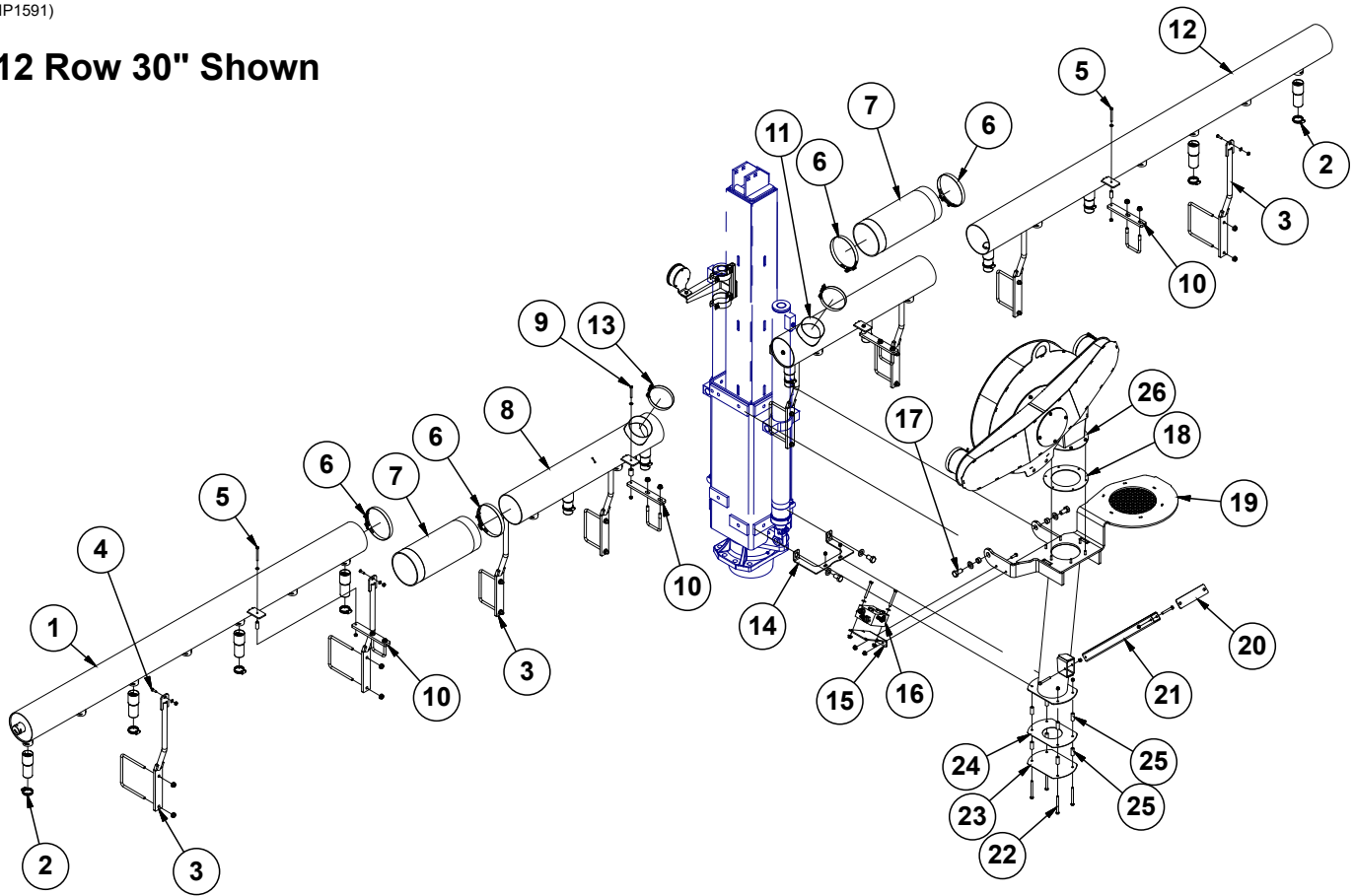
(A26863)



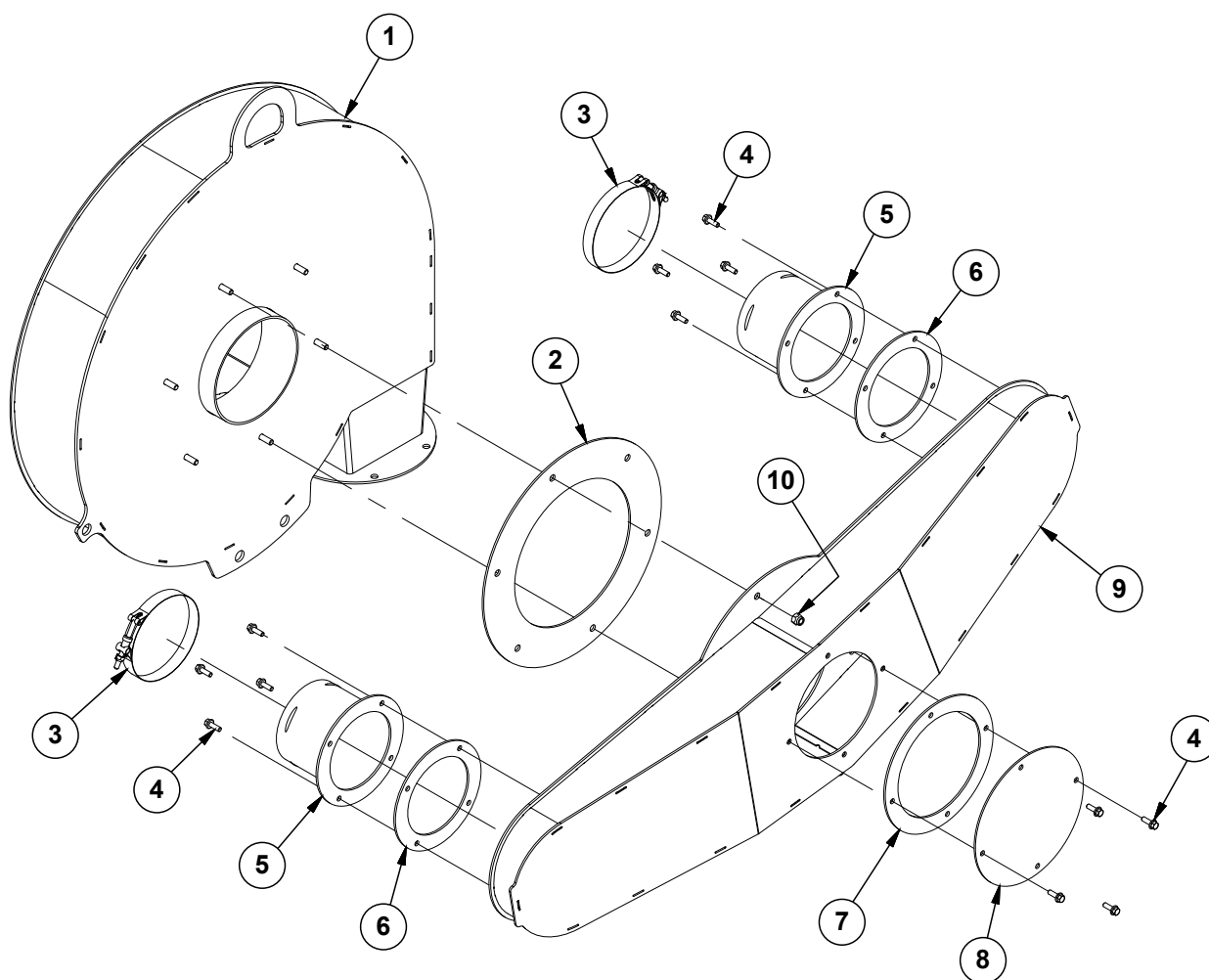
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25240	15	Rod Mount
2	GD35211	15	Down Force Cylinder Mount
3	GA25261	15	See "Hydraulic Down Force Cylinder" on page P181
4	---	13	See "Row Unit Control Block, Push Row Units" on page P201
5	GA25384	15	Hammer Strap Pin
6	*A25690-48	2	Hose Assembly, 3/8" x 48" (06F-08F STD 90)
7	*A12038	21	Hose Assembly, 3/8" x 30" (06F-06F)
8	*A12080	2	Hose Assembly, 3/8" x 64" (06F-06F)
9	*A15081-36	2	Hose Assembly, 3/8" x 36" (06F-06F)
10	*A7680-35	1	Hose Assembly, 1/4" x 35" (04F 90S-06F)
11	*A7680-9	12	Hose Assembly, 1/4" x 9" (04F-06F)
12	*A7681-28	1	Hose Assembly, 1/4" x 28" (04F 90S-06F)
13	*A7680-14	13	Hose Assembly, 1/4" x 14" (04F-04F)
14	*A7682-35	2	Hose Assembly, 1/4" x 35" (04L90F-06F)
15	*A7678-20	15	Hose Assembly, 1/4" x 20" (04F-04F)
16	*A7678-19	15	Hose Assembly, 1/4" x 19" (04F-04F)
17	GB0389	15	Plate
18	GD26970	15	Pin, 5/8" x 2 1/2"
19	GD35230	1	Valve Block Mount, R.H.
20	GD35231	14	Valve Block Mount, L.H.
21	6400-04 GR1465	15 -	Connector W/O-Ring, 7/16"-20 Male JIC To O-Ring O-Ring
22	G6500-06	1	Swivel Elbow, 90°, 9/16"-18 Male JIC To Female
23	G6500-08	1	Swivel Elbow, 90°, 3/4"-16 Male JIC To Female
24	G6602-06	4	Swivel Tee, 9/16"-18 JIC
25	G6801-04-04	15	90° Adjustable Elbow, 7/16"-20
26	G2603-06	26	Tee, 9/16"-18 Male JIC
27	G304-C-6	2	Cap Nut, 9/16"-18
28	G10018	45	Hex Head Cap Screw, 5/16"-18 x 5/8"
29	G10021	30	Hex Head Cap Screw, 1/4"-20 x 1 1/2"
30	G10037	105	Hex Head Cap Screw, 1/2"-13 x 1 1/4"
31	G10071	30	Serrated Flange Nut, 1/2"-13
32	G10228	105	Lock Washer, 1/2"
33	G10567	15	External Retaining Ring, 5/8"
34	G10621	30	Serrated Flange Nut, 1/4"-20
35	G10918	15	Machine Bushing, 5/8", 14 Gauge (.0747")
36	G11385	30	Flat Washer, 1/4" SAE
37	G11386	45	Flat Washer, 5/16" SAE
38	G11389	30	Flat Washer, 1/2" Plated SAE
39	GD35904-01	-	Hose Identification Sleeve, Purple PP
40	*A7680-42	1	Hose Assembly, 1/4" x 42" (04F-06F)
41	G10017	30	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
42	---	2	See "Row Unit Control Block, Push Row Units" on page P201 (Rows 7 and 10)

* Hydraulic hose is not stocked by Kinze Repair Parts.

(IP1591)

12 Row 30" Shown

ITEM	PART NO.	QTY.	DESCRIPTION
1	G10224001	1	Manifold, 12 Row (Shown)
	G10223501	1	Manifold, 16 Row
2	G10676	12/16	Hose Clamp, No. 36, Stainless Steel
	GD31424	12/16	Vacuum Cuff Screw, 1½"
3	G10117601	8	Mainframe Manifold Mount
	GD11721	8	U-Bolt, 5" x 7" x ½"-13
	G10071	16	Serrated Flange Nut, ½"-13
4	G10019	8	Hex Head Cap Screw, ⅝"-18 x 1"
	G11386	8	Flat Washer, ⅝" SAE
	G10620	8	Serrated Flange Nut, ⅝"-18
5	G10755	2	Hex Head Cap Screw, ⅝"-18 x 3"
	GD2971-21	2	Sleeve
	G11386	2	Flat Washer, ⅝" SAE
	G10620	2	Serrated Flange Nut, ⅝"-18
6	G11146	4	T-Bolt Clamp, 6¾"
7	GD16317-01	2	Hose, 7" x 21"
8	G10117701	1	Manifold
9	G10060	2	Hex Head Cap Screw, ⅝"-18 x 2 ½"
	G11386	2	Flat Washer, ⅝" SAE
	G10620	2	Serrated Flange Nut, ⅝"-18
10	GD20722	4	Wing Manifold Mount
	GD4743	4	U-Bolt, 3" x 3" x ½"-13
11	G10224201	1	Manifold
12	G10100901	1	Manifold, 12 Row (Shown)
	G10223701	1	Manifold, 16 Row
13	G11188	4	T-Bolt Clamp, 5¼"
14	G10244501	1	Diffuser Mount Bracket
	G10025	2	Hex Head Cap Screw, ¾"-10 x 1½"
	G11392	2	Flat Washer, ¾" SAE
15	G10307901	1	Hydraulic Block Mount
	G10809	2	Hex Head Cap Screw, ⅝"-16 x 3¼"
	G11387	2	Flat Washer, ⅝" SAE
	G11091	2	Serrated Flange Nut, ⅝"-16
16	---	1	See "Vacuum Fan Motor Valve Block Assembly (Located Below Vacuum Fan Motor Assembly)" on page P194
	G10809	2	Hex Head Cap Screw, ⅝"-16 x 3¼"
	G11387	8	Flat Washer, ⅝" SAE
17	G10025	2	Hex Head Cap Screw, ¾"-10 x 1½"
	GD20539	2	Bushing
	G11392	2	Flat Washer, ¾" SAE
18	G10083301	1	Flange Seal, 6 Bolt
19	G10349101	1	Fan Mount
20	GA14444	1	Ladder Stiffener Mount
21	G10190401	1	Ladder Stiffener Tube
	G10325	2	Hex Head Cap Screw, ⅝"-16 x 2¾"
	G10108	2	Lock Nut, ⅝"-16
22	G10753	4	Hex Head Cap Screw, ⅝"-16 x 4½"
	G10108	4	Lock Nut, ⅝"-16
23	G10188701	1	Diffuser Cap
24	G10188801	1	Diffuser Ring
25	GD2971-26	8	Sleeve, ⅝" I.D x ⅝" O.D. x 1.63" Long
26	---	1	See "Vacuum Fan Snorkel Mount" on page P63
	G10004	6	Hex Head Cap Screw, ⅝"-16 x 1¼"
	G10108	6	Lock Nut, ⅝"-18

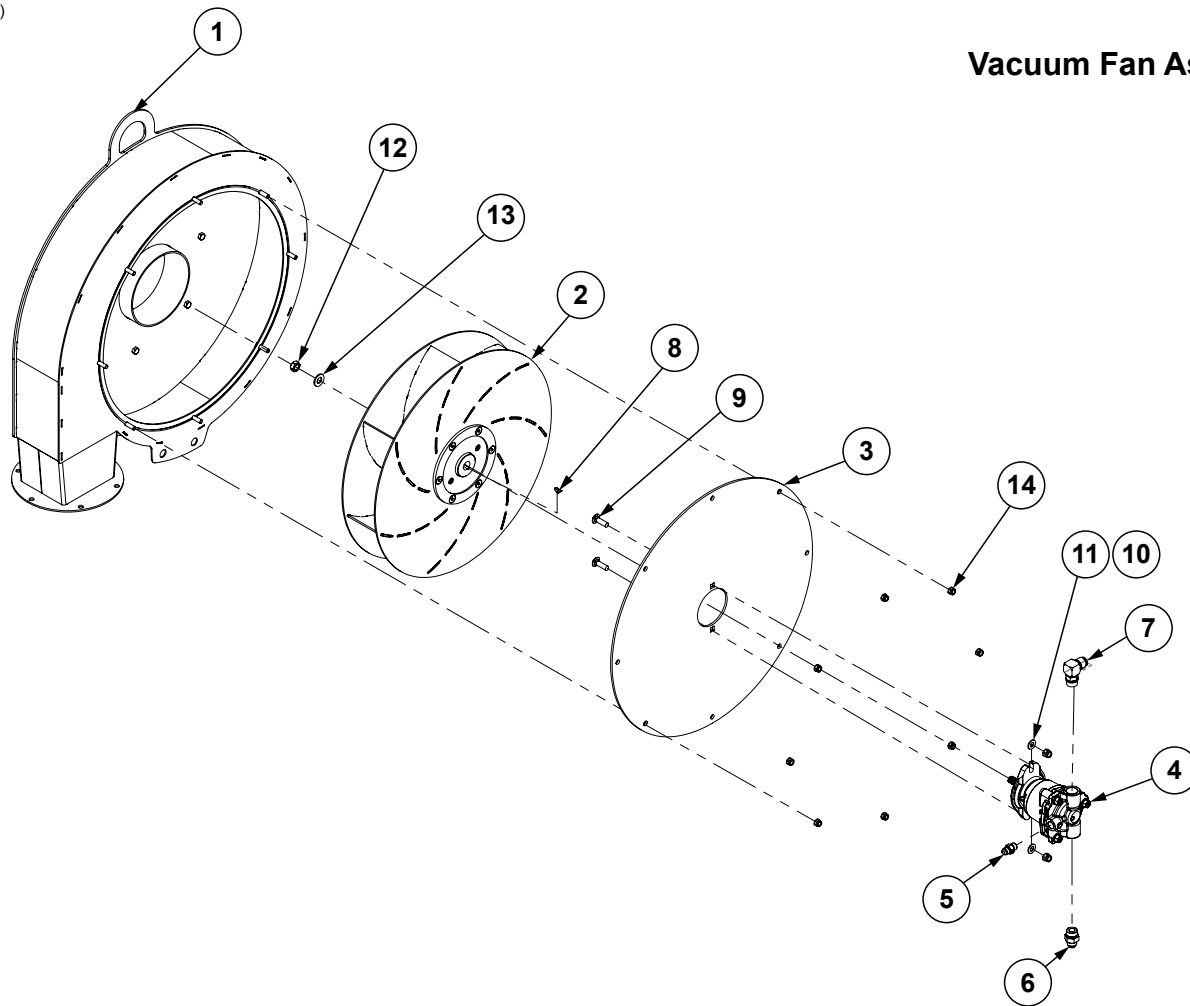


ITEM	PART NO.	QTY.	DESCRIPTION
1	---	---	See "Vacuum System" on page P65
2	G10117801	1	Gasket Spacer
3	G11188	2	T-Bolt Clamp, 5¼"
4	G11166	12	Hex Socket Flange Cap Screw, ¼"-20 x ¾"
5	GA13667	2	Snorkel Flange
6	GD19460	2	Flange Seal, 4 Bolt
7	GD19470	1	Flange Seal, 4 Bolt
8	GD19469	1	Snorkel Access Cover
9	G10225101	1	Snorkel
10	G10901	6	Lock Nut, ⅜"-16

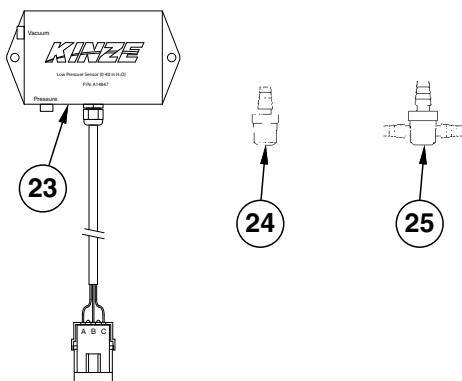
This page left blank intentionally.

(10341501)

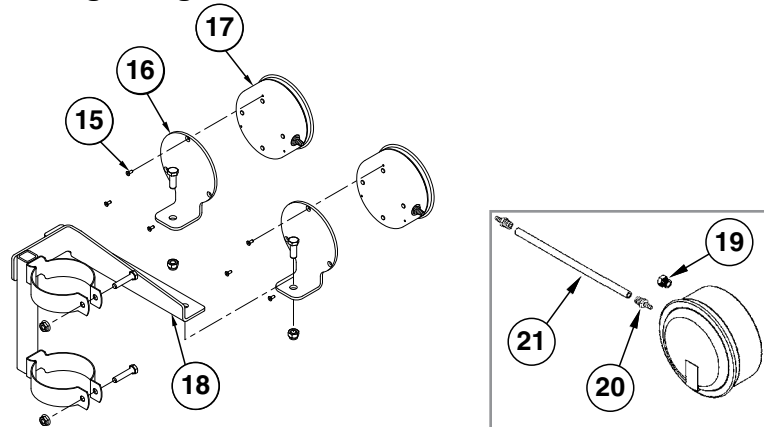
Vacuum Fan Assembly



Sending Unit

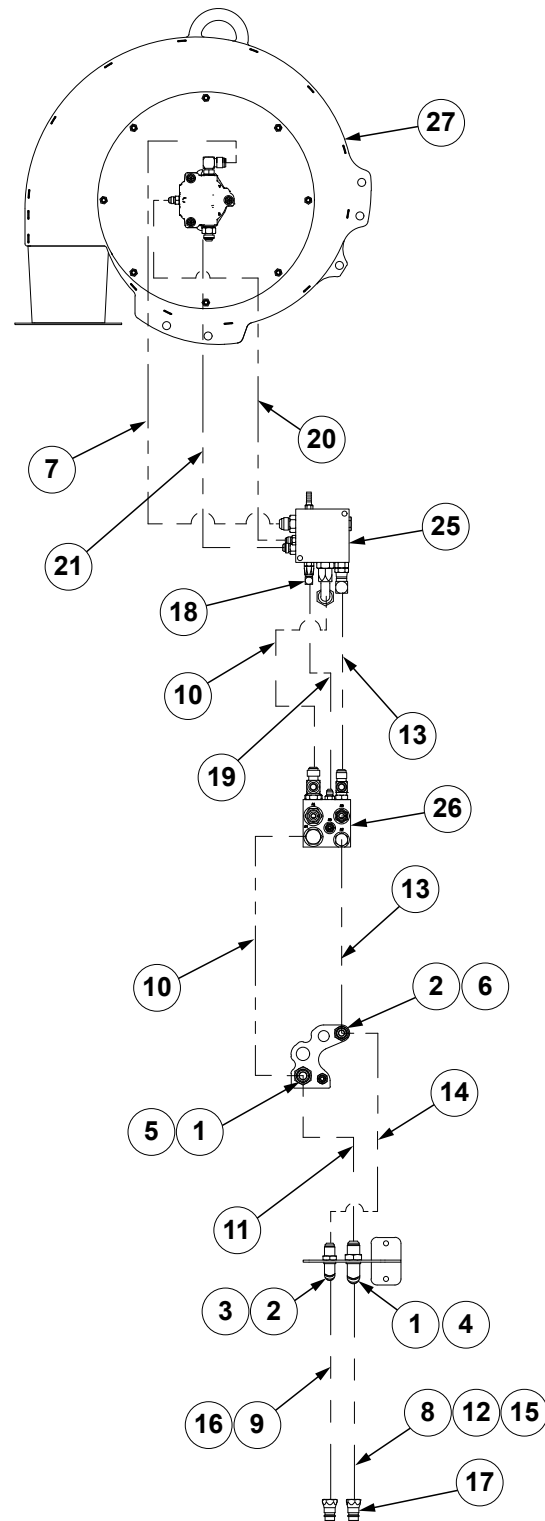
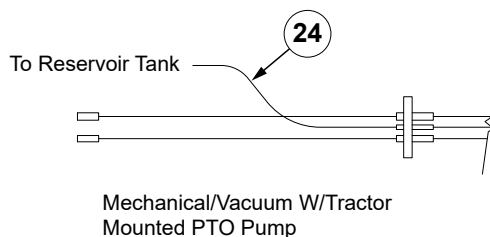
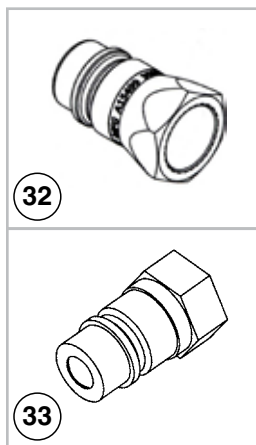


Analog Gauge



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10341401	1	Vacuum Fan Housing
2	G10341601	1	Vacuum Fan Impellor
3	G10341001	1	Motor Mount Cover
4	GA24543	1	Hydraulic Motor
	GR2333	-	Seal Kit
	GR2314	-	Motor Key
5	G6400-06	1	Connector W/O-Ring, 9/16"-18 Male JIC To O-Ring
	GR1045	-	O-Ring
6	6400-08-10	1	Connector W/O-Ring, 3/4"-16 Male JIC To 7/8"-14 O-Ring
	GR1466	-	O-Ring
7	G6801-10	1	Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To O-Ring
	GR1466	-	O-Ring
8	GR2314	1	Motor Key
9	G10599	2	Carriage Bolt, 3/8"-16 x 1 1/4"
10	G10901	2	Lock Nut, 3/8"-16
11	G11387	2	Flat Washer, 3/8" SAE
12	G11704	1	Hex Jam Nut, 1/2"-20, Grade 2
13	G11389	1	Flat Washer, 1/2" Plated SAE
14	G11182	8	Lock Nut W/Nylon Insert, 5/16"-18
15	G11215	6	Hex Socket Head Cap Screw, No. 6-32 x 3/8", Grade 8
16	GD15804	2	Mount
	G10108	2	Lock Nut, 3/8"-16
	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
17	GA21406	2	Analog Vacuum Gauge W/Hose Barb
	GR1777	-	Hose Barb, 3/16" x 1/8" NPT (Included W/GA21406)
18	---	-	See "Center Pivot" on page P125
19	GA10799	1	Breather, 1/8" Male NPT
20	GR1777	-	Hose Barb, 1/8" Male NPT To 3/16" Barb
21	GD15849-02	1	Clear Tubing, 5/16" O.D. x 3/16" I.D. x 120"
22	GA12812	-	Hall Effect Adapter
23	GA14847	1	Low Pressure Sensor (0-40 IN H ₂ O) (Replaces GA12811)
	GD17151-20	-	Tubing, 1/4" x 10', (Only with GA14847)
	GD16324-01	-	Clear Plastic Tubing, 1/4" x 45"
	GA9964	-	Strain Relief
	G1K248	-	3-Pin Female Connector Kit (Black), Includes: (3) 3-Pin Female Housings, (9) Pin
		-	Contacts, (9) Seals
24	GR1736	1	Hose Barb, 1/8" Male NPT To Barb
25	GD21278	-	Reducing Tee, 3/16" x 1/8"

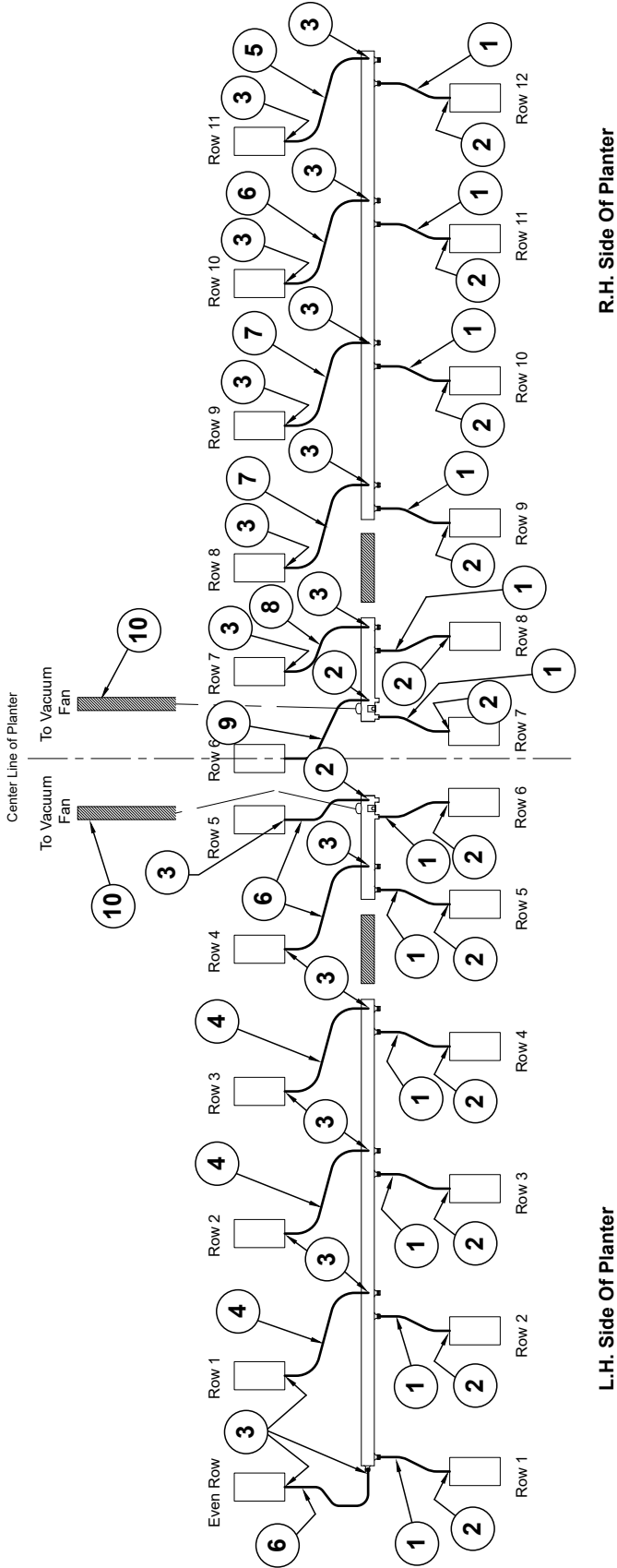
(10077801)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G306-12	2	Lock Nut, 1 $\frac{1}{16}$ "-12
2	G306-10	2	Lock Nut, $\frac{7}{8}$ "-14
3	G2702-10	1	Bulkhead Elbow, 45°, $\frac{7}{8}$ "-14 Male JIC
4	G2702-12	1	45° Bulkhead Tube Union, 1 $\frac{1}{16}$ "-12 Male JIC
5	G2700-12	1	Bulkhead Tube Union, 1 $\frac{1}{16}$ "-12 Male JIC
6	G2700-10	1	Bulkhead Tube Union, $\frac{7}{8}$ "-14 Male JIC
7	*A21541-28	1	Hose Assembly, $\frac{5}{8}$ " x 28" (10F-12F90M)
8	GA26924-06	1	Hose Label/Cover, Green (Retract)
9	GA26924-05	1	Hose Label/Cover, Green (Extend)
10	*A11443	2	Hose Assembly, $\frac{5}{8}$ " x 73" (12F-12F)
11	*A11442	1	Hose Assembly, $\frac{5}{8}$ " x 137 $\frac{1}{2}$ " (12F-12F)
12	*A21548-206	1	Hose Assembly, $\frac{5}{8}$ " x 206" (12F-1/2M NPTF W/Ext., W/Tip), 12 Row
	*A21548-266		Hose Assembly, $\frac{5}{8}$ " x 266" (12F-1/2M NPTF W/Ext., W/Tip), 16 Row
13	A1464	2	Hose Assembly, $\frac{1}{2}$ " x 72" (10F-10F)
14	*A12751	1	Hose Assembly, $\frac{1}{2}$ " x 142 $\frac{1}{2}$ "
15	G7100-375	1	Tag, Hydraulic Motor Return Line
16	*A18693-206	1	Hose Assembly, $\frac{1}{2}$ " x 206" (10F-1/2M NPTF W/Ext., W/Tip), 12 Row
	*A18693-268	-	Hose Assembly, $\frac{1}{2}$ " x 268" (10F-1/2M NPTF W/Ext., W/Tip), 16 Row
17	GD25522	1	Hydraulic Tip Cover
18	G6500-06	1	Connector W/O-Ring, $\frac{9}{16}$ "-18 Male JIC To O-Ring
19	*A12094	1	Hose Assembly, $\frac{3}{8}$ " x 73" (06F-06F)
20	*A12002	1	Hose Assembly, $\frac{3}{8}$ " x 32" (06F-06F)
21	*A12745	1	Hose Assembly, $\frac{1}{2}$ " x 22" (08F-10F)
22	GA15499	-	Special Pioneer Coupler, Zero Pressure Return
	GD25522	-	Hydraulic Tip Cover
23	GD4086	-	ISO Coupler
24	*A12092	1	Hose Assembly, $\frac{3}{8}$ " x 127" (06F-08F), 12 Row
	*A12091	-	Hose Assembly, $\frac{3}{8}$ " x 187" (06F-08F), 16 Row
25	---		See "Vacuum Fan Motor Valve Block Assembly (Located Below Vacuum Fan Motor Assembly)" on page P194
26	---		See "Valve Blocks - Located on R.H. Rear Center Frame" on page P185
27	---		See "Vacuum Fan Hydraulic Components" on page P67

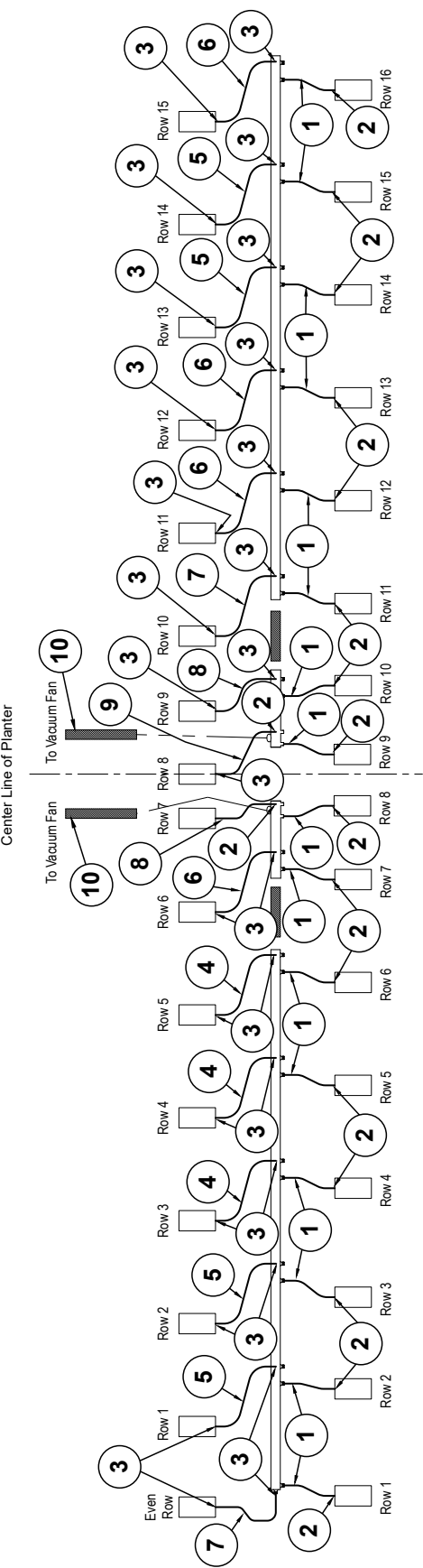
*Hydraulic hose is not stocked by Kinze Repair Parts.

(IP1594)



ITEM	PART NO.	QTY.	DESCRIPTION
1	*D36495-55	12	Hose, 1½" x 55" (Black)
2	GB1216	14	Vacuum Cuff Screw (Manifold), 1½"
	GB1313	-	90° Elbow, 1½" Hose (Meter)
3	GD31424	20	Vacuum Cuff Screw, 1½"
4	*D36495-36	3	Hose, 1½" x 36" (Black)
5	*D36495-40	1	Hose, 1½" x 40" (Black)
6	*D36495-42	4	Hose, 1½" x 42" (Black)
7	*D36495-46	2	Hose, 1½" x 46" (Black)
8	*D36495-50	1	Hose, 1½" x 50" (Black)
9	*D36495-70	1	Hose, 1½" x 70" (Black)
10	GD15867-04	2	Hose, 5" x 42"
*Hose not stocked by Kinze repair parts, but is available in bulk (GD36495-600)			

(IP1595)



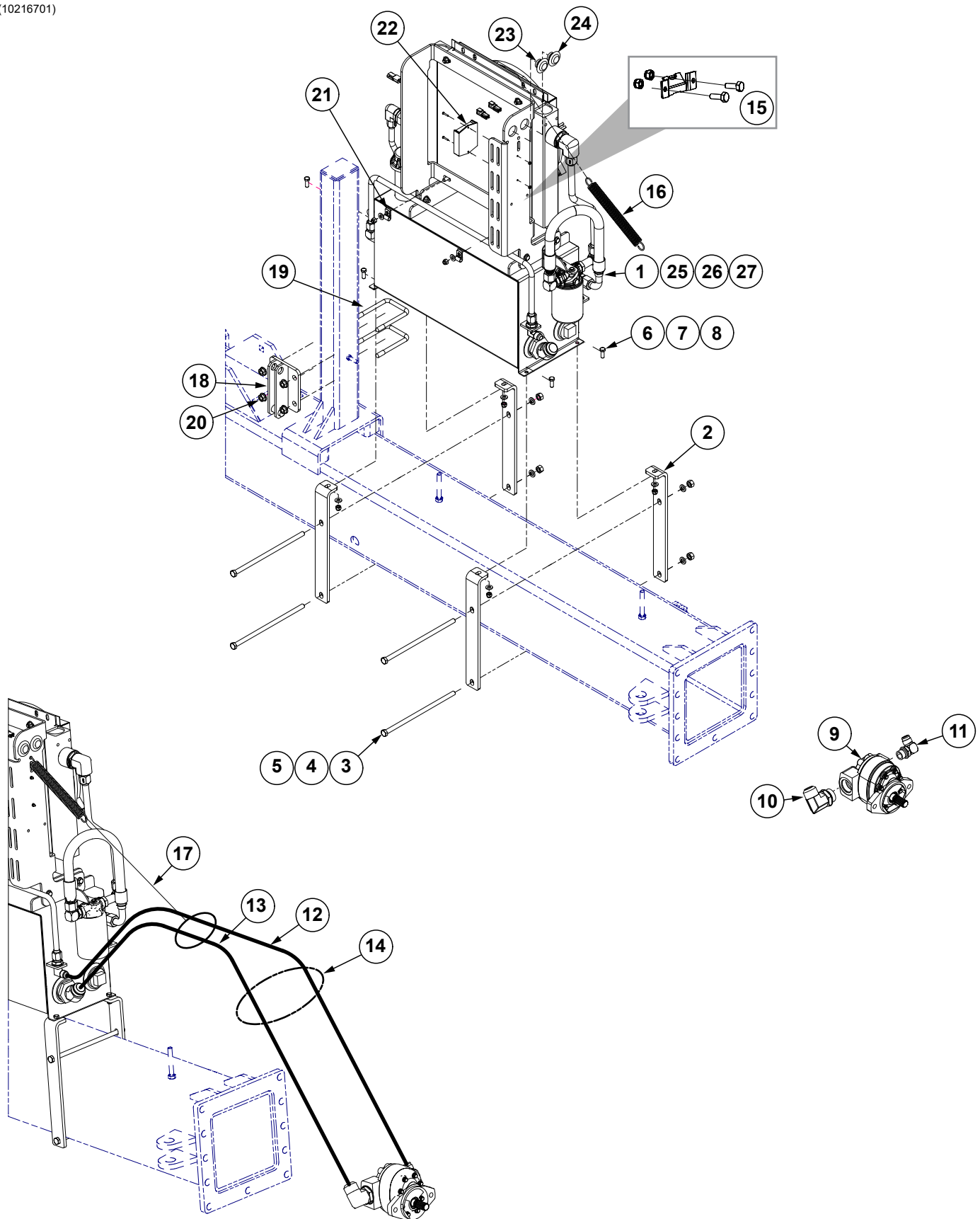
R.H. SIDE OF PLANTER

L.H. SIDE OF PLANTER

ITEM	PART NO.	QTY.	DESCRIPTION
1	*D36495-55	16	Hose, 1½" x 55" (Black)
2	GB1216	18	Vacuum Cuff Screw (Meter), 1½"
3	GD31424	28	Vacuum Cuff Screw, 1½"
4	*D36495-36	3	Hose, 1½" x 36" (Black)
5	*D36495-40	4	Hose, 1½" x 40" (Black)
6	*D36495-42	4	Hose, 1½" x 42" (Black)
7	*D36495-46	1	Hose, 1½" x 46" (Black)
8	*D36495-50	2	Hose, 1½" x 50" (Black)
9	*D36495-70	1	Hose, 1½" x 70" (Black)
10	GD15867-04	2	Hose, 5" x 42"

*Hose not stocked by Kinze repair parts, but is available in bulk (GD36495-600)

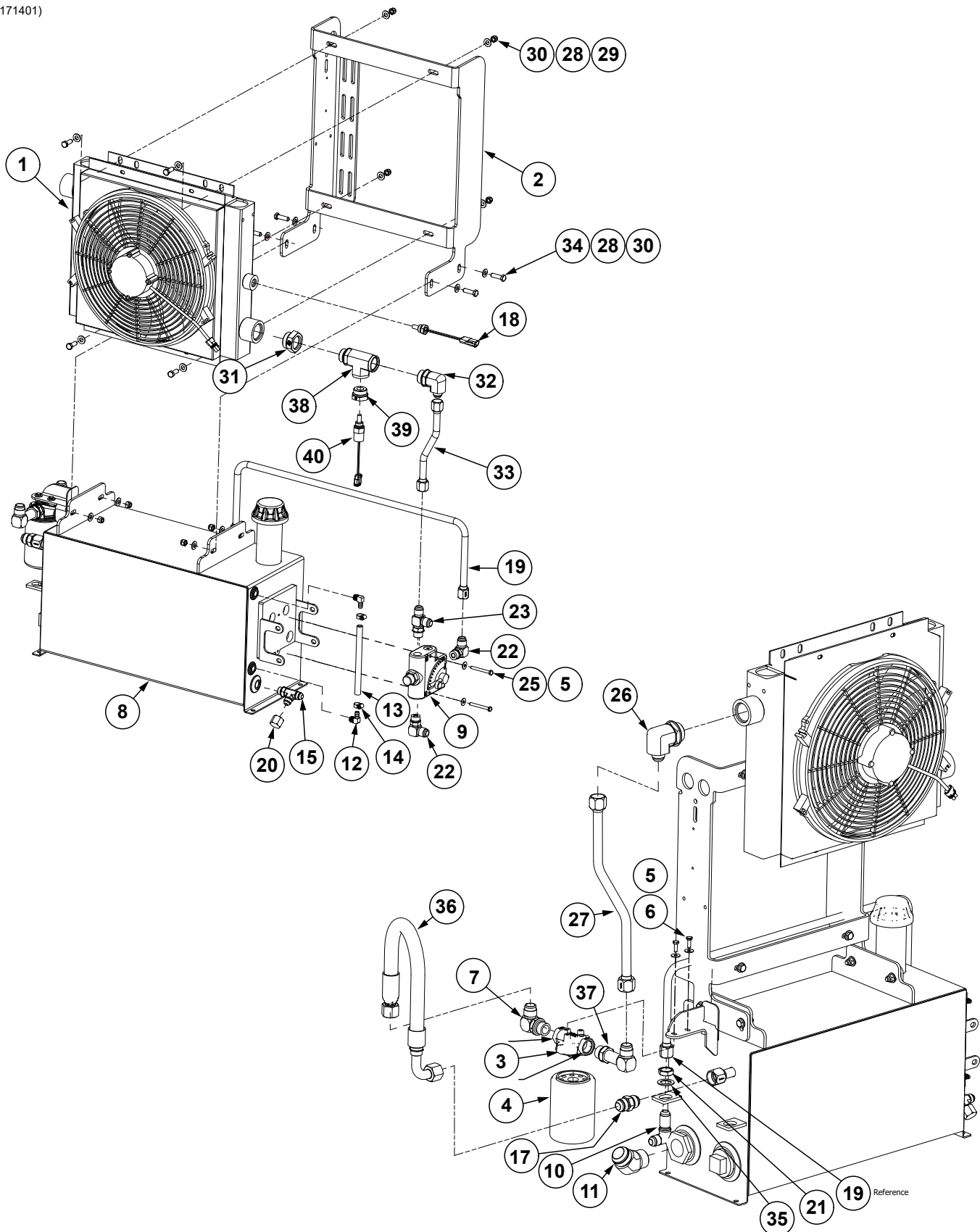
(10216701)



ITEM	PART NO.	QTY.	DESCRIPTION
1	---	---	See "PTO Pump - Single Stage, Vacuum" on page P73
2	G10216901	4	Tank Mount Bracket
3	G11158	4	Hex Head Cap Screw, ½"-13 x 11½"
4	G10228	4	Lock Washer, ½"
5	G10102	4	Hex Nut, ½"-13
6	G10001	4	Hex Head Cap Screw, ⅜"-16 x 1"
7	G11387	4	Hardened Washer, ⅜" SAE
8	G10108	4	Lock Nut, ⅜"-16
9	GA14446	1	PTO Pump
10	G6801-20	1	Elbow W/O-Ring, 90°, 1⅝"-12 Male JIC To O-Ring
11	G6801-12 GR1467	1 -	Elbow W/O-Ring, 90°, 1⅞"-12 Male JIC To O-Ring O-Ring
12	*A25707-72	1	Hose Assembly, ½" AR x 72" (10F45-12F)
13	*A11810-72	1	Hose Assembly, 1¼" x 72" (20F - 20F)
14	GD19383-03	1	Hose Wrap, 60"
15	G10567801 G10023 G10110	1 2 2	Relay Module Mount Bracket Hex Head Cap Screw, ¼"-20 x ¾" Lock Nut, 1/4"-20, Grade B
16	GD0829	1	Spring
17	GA14152	1	Hose Strap
18	GA11528	1	Bracket
19	GD16642	2	U-Bolt, 3" x 4" x ½"-13
20	G10071	4	Serrated Flange Nut, ½"-13
21	GD6291	2	Insulated Clamp, ⅜"
22	G10396901	1	Reverser Module Assembly
23	G10098401	1	PTO Red Light Harness
24	G10098301	1	PTO Green Light Harness
25	G10049501	1	Tractor Battery Connection Harnees and Fuse Kit
26	G10724901	1	Tractor Power Harness
27	G10649801	1	PTO Harness, 3000 Series

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

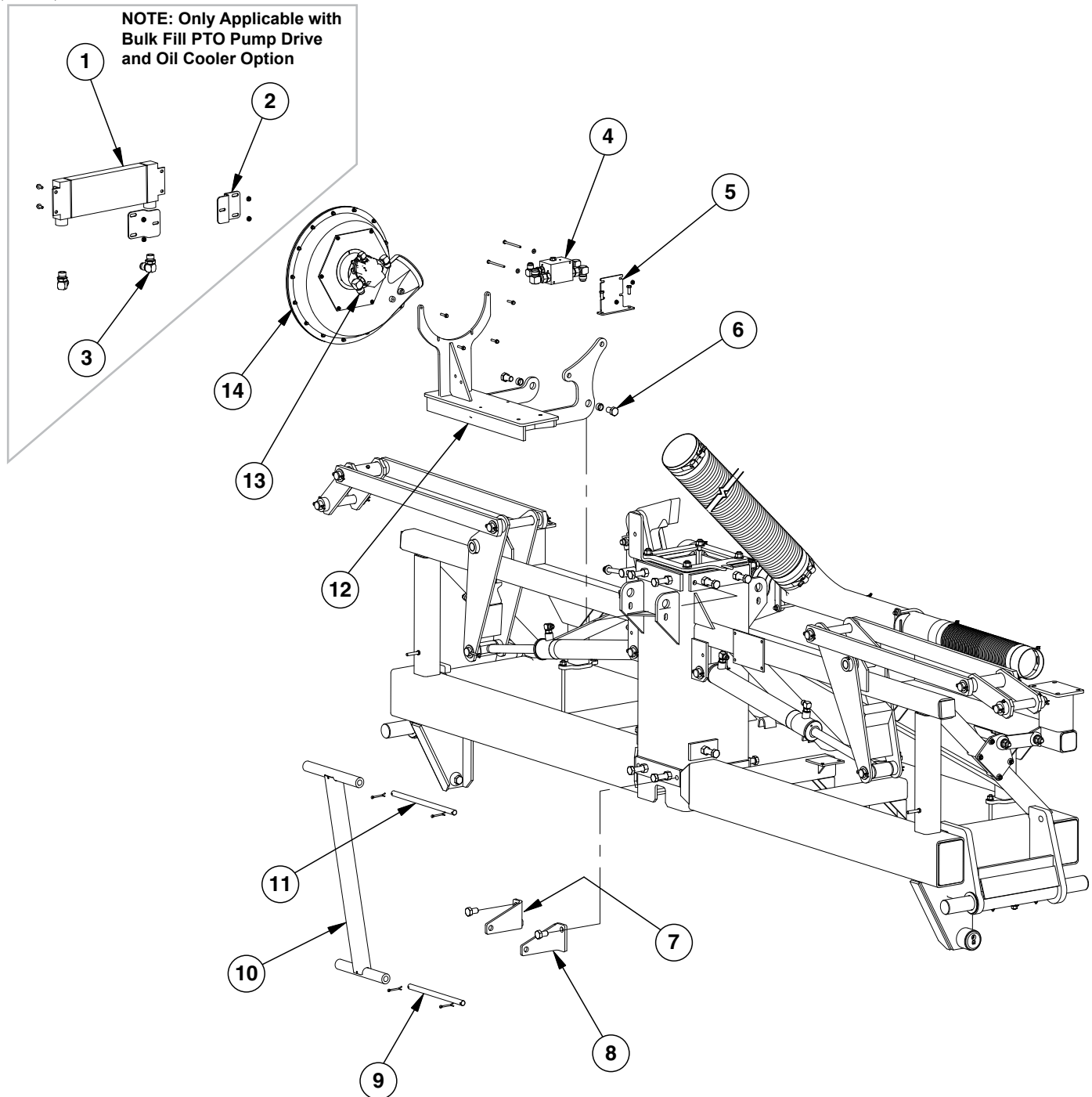
(10171401)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10207201	1	Cooler and Fan Assembly
2	G10395301	1	Cooler Mount Bracket
3	GD16038	1	Filter Head
4	GD16037	1	Oil Filter, 10 Micron
5	G10209	4	Washer, ¼" USS
6	G10023	2	Hex Head Cap Screw, ¼"-20 x ¾"
7	G6801-12 GR1467	2 -	Elbow W/O-Ring, 90°, 1½"-12 Male JIC To O-Ring O-Ring
8	G10395501 GA27102 GD16040	1 - -	PTO Reservoir Filler Breather (Included W/G10395501) Strainer (Included W/G10395501)
9	GA10918	1	Flow Control Valve
10	G2701-10	1	Elbow, 90°, ⅞"-14 Male JIC
11	2503-20	1	Elbow, 45°, 1⅝"-12 JIC x 1¼" MNPT
12	GD35381	2	⅜" O.D. Brass Barbed x ¼" NPT 90° Elbow
13	*D6279-07	1	Clear Plastic Tubing, ⅜" x 7¼"
14	G10331001	2	No. 4 Hose Clamp, ⅝" - 1¼" x ⅝"
15	G6804-08 GR1037	1 -	Adjustable Tee, ¾"-16 Male JIC To O-Ring O-Ring
17	G2403-12	1	Union, 1½"-12 Male JIC
18	G10087001	1	Temperature Sensor, 100°
19	G10211501	1	Steel Hydraulic Line, ⅝"
20	G304-C-8	1	Cap Nut, ¾"-16
21	G306-10	1	Lock Nut, ⅞"-14
22	G6801-10 GR1466	2 -	Elbow W/O-Ring, 90°, ⅞"-14 Male JIC To O-Ring O-Ring
23	G6804-10	1	Tee, ⅞"-14 JIC, ⅞"-14-O-Ring
24	---	---	---
25	G10880	2	Hex Head Cap Screw, ¼"-20 x 2¼"
26	G6801-12-20	1	Swivel Elbow, 90°, 1½"-12 x 1⅝"-12
27	G10194501	1	Steel Hydraulic Line, ¾"
28	G11387	16	Flat Washer, ⅜" SAE
29	G10001	4	Hex Head Cap Screw, ⅜"-16 x 1"
30	G10108	8	Lock Nut, ⅜"-16
31	6410-20-16	1	Adapter, 1⅝"-12 O-Ring x 1⅝"-12
32	G6801-10-16	1	Adjustable 90° Elbow, ⅞"-14 x 1⅝"-12 O-Ring
33	G10395401	1	Steel Hydraulic Line, ⅝"
34	G10004	4	Hex Head Cap Screw, ⅜"-16 x 1¼"
35	G10235	1	Machine Bushing, ⅞", 14 Gauge (.0747")
36	*A12937-24	1	Hose Assembly, ¾" x 24" (12F-12F90S)
37	G6801-LL-12	1	Adjustable Elbow W/O-Ring, 1½"-12 x 1½"-12
38	G6835-16-16-16	1	Tee, 1⅝" O-Ring
39	6410-16-08	1	Adapter W/O-Ring, 1⅝"-12 x ¾"-16
40	G10098201	1	Temperature Sensor

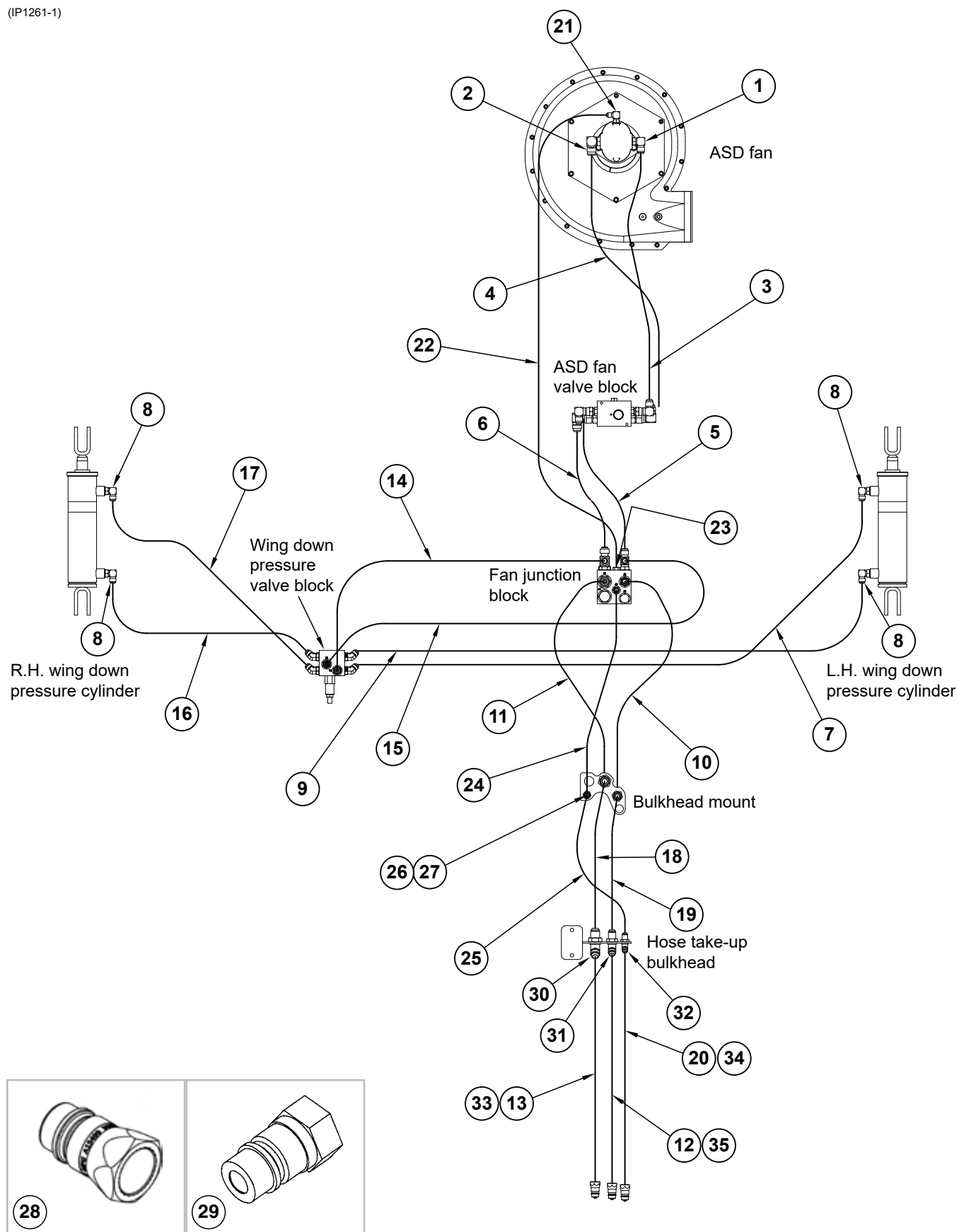
*Item is not stocked by Kinze repair parts, but is available in bulk (GD6279-00).

(IP1263-2)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA10917	1	Hydraulic Oil Cooler
	G10961	4	Flanged Whiz Lock Screw, $\frac{5}{16}$ "-18 x $\frac{3}{4}$ ", No Serration
	G10620	4	Serrated Flange Nut, $\frac{5}{16}$ "-18
2	GD19225	2	Cooler Mount Bracket
3	G6801-12	2	Elbow W/O-Ring, 90°, $1\frac{1}{16}$ "-12 Male JIC To O-Ring
4	---	-	See "Bulk Fill Fan Valve Block" on page P195
	G10162	2	Hex Head Cap Screw, $\frac{1}{4}$ "-20 x $3\frac{1}{4}$ "
	G11385	2	Flat Washer, $\frac{1}{4}$ " SAE
	G10621	2	Serrated Flange Nut, $\frac{1}{4}$ "-20
5	GD20591	1	Bulk Fill Hydraulic Block Mount
	G10001	2	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 1"
6	G10156	2	Hex Head Cap Screw, $\frac{3}{4}$ "-10 x $1\frac{1}{4}$ "
	GD20539	2	Bushing
7	GA14385	1	Strut Mount, L.H.
	G10025	1	Hex Head Cap Screw, $\frac{3}{4}$ "-10 x $1\frac{1}{2}$ "
8	GA14384	1	Strut Mount, R.H.
	G10025	1	Hex Head Cap Screw, $\frac{3}{4}$ "-10 x $1\frac{1}{2}$ "
9	GD20534	1	Lower Strut Pin
	G10462	2	Cotter Pin, $\frac{3}{16}$ " x 2"
10	GA14383	1	Fan Strut Mount
11	GD20518	1	Upper Strut Pin
	G10462	2	Cotter Pin, $\frac{3}{16}$ " x 2"
12	GA22268	1	Fan Mount
	G11337	4	Hex Serrated Flange Cap Screw, $\frac{1}{4}$ "-20 x $1\frac{1}{4}$ "
13	G6801-12-10	1	Elbow W/O-Ring, 90°, $1\frac{1}{16}$ "-12 Male JIC To $\frac{7}{8}$ "-14 O-Ring
	G6801-10	1	Elbow W/O-Ring, 90°, $\frac{7}{8}$ "-14 Male JIC To O-Ring
	GR1466	-	O-Ring
14	---	-	See "Bulk Fill Fan System" on page P81

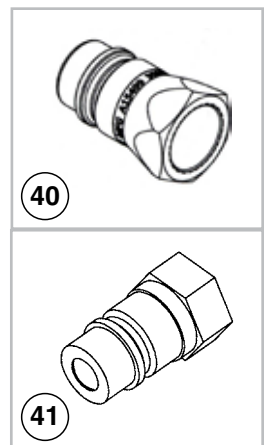
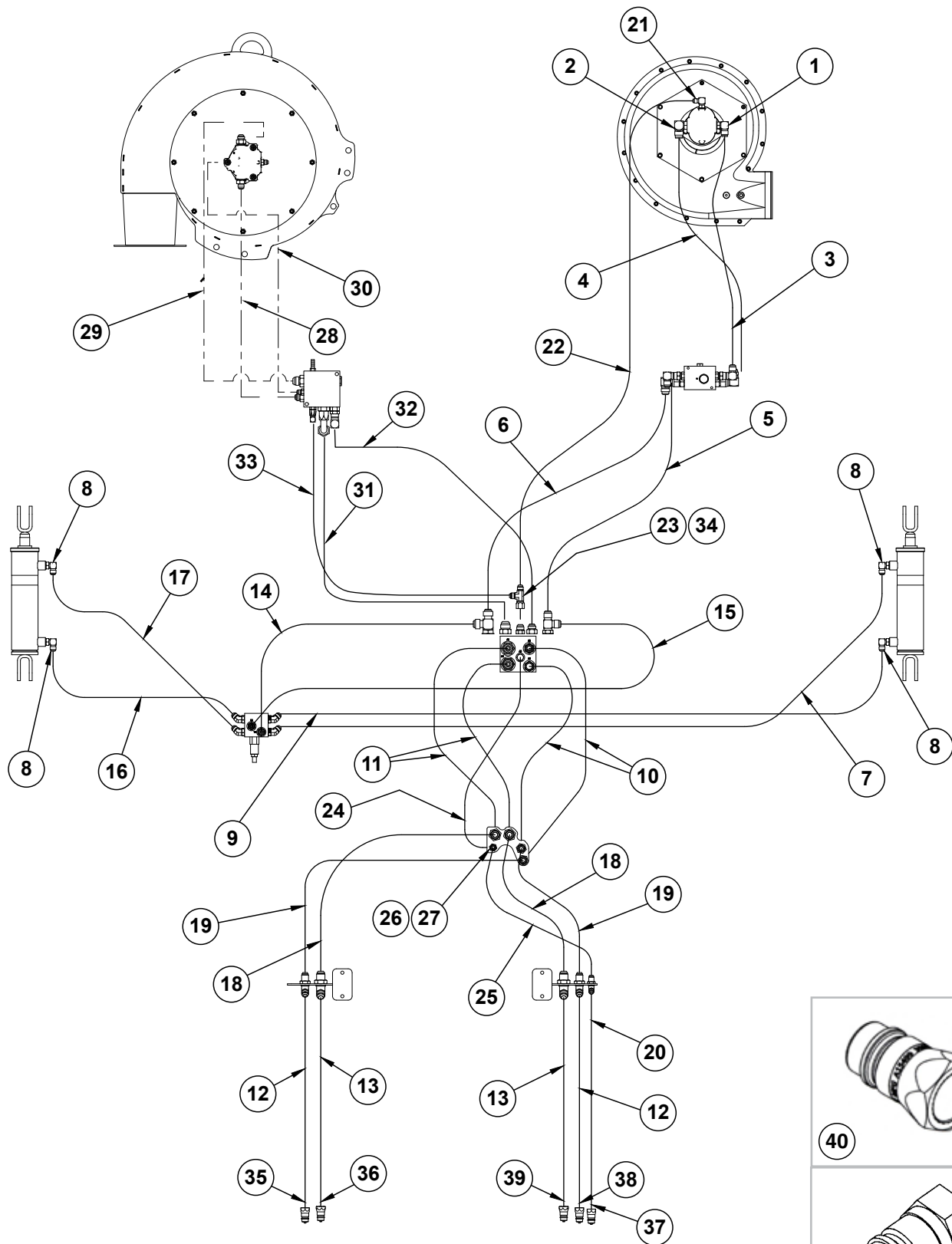
(IP1261-1)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G6801-12 GR1467	1 -	Elbow W/O-Ring, 90°, 1 $\frac{1}{16}$ "-12 Male JIC To O-Ring O-Ring
2	G6801-10-12 GR1037	1 -	Elbow W/O-Ring, 90°, $\frac{7}{8}$ "-14 Male JIC To 1 $\frac{1}{16}$ "-12 O-Ring O-Ring
3	*A12755	1	Hose Assembly, $\frac{1}{2}$ " x 44"
4	*A11447	1	Hose Assembly, $\frac{5}{8}$ " x 45"
5	*A1464	1	Hose Assembly, $\frac{1}{2}$ " x 72" (10F-10F)
6	*A11443	1	Hose Assembly, $\frac{5}{8}$ " x 73" (12F-12F)
7	*A3117	1	Hose Assembly, $\frac{3}{8}$ " x 176"
8	G6801-08 GR1037	4 -	Elbow W/O-Ring, 90°, $\frac{3}{4}$ "-16 Male JIC To O-Ring O-Ring
9	*A12076	1	Hose Assembly, $\frac{3}{8}$ " x 165"
10	*A1464	1	Hose Assembly, $\frac{1}{2}$ " x 72"
11	*A11443	1	Hose Assembly, $\frac{5}{8}$ " x 73"
12	*A18693-206 *A18693-268	1 -	Hose Assembly, $\frac{1}{2}$ " x 206" (10F-1/2M NPTF W/Ext., W/Tip), 12 Row Hose Assembly, $\frac{1}{2}$ " x 268" (10F-1/2M NPTF W/Ext., W/Tip), 16 Row
13	*A21548-206 *A21548-266	1 -	Hose Assembly, $\frac{5}{8}$ " x 206" (12F-1/2M NPTF W/Ext., W/Tip), 12 Row Hose Assembly, $\frac{5}{8}$ " x 266" (12F-1/2M NPTF W/Ext., W/Tip), 16 Row
14	*A12752	1	Hose Assembly, $\frac{1}{2}$ " x 23"
15	*A12085	1	Hose Assembly, $\frac{3}{8}$ " x 26"
16	*A3158	1	Hose Assembly, $\frac{3}{8}$ " x 46"
17	*A1021	1	Hose Assembly, $\frac{3}{8}$ " x 56"
18	*A11442 *A11458	1 -	Hose Assembly, $\frac{5}{8}$ " x 137 $\frac{1}{2}$ ", 12 Row 30" and 16 Row 30" Hose Assembly, $\frac{5}{8}$ " x 152", 16 Row 7.5" Twin Row
19	*A12751 *A12774	1 -	Hose Assembly, $\frac{1}{2}$ " x 142 $\frac{1}{2}$ ", 12 Row 30" and 16 Row 30" Hose Assembly, $\frac{1}{2}$ " x 157", 16 Row 7.5" Twin Row
20	*A26938-206 *A26938-266	1 -	Hose Assembly, $\frac{3}{8}$ " x 206" (08F-1/2M NPTF W/Ext., W/Tip), 12 Row Hose Assembly, $\frac{3}{8}$ " x 266" (08F-1/2M NPTF W/Ext., W/Tip), 16 Row
21	G6801-06 GR1045	1 -	Elbow W/O-Ring, 90°, $\frac{9}{16}$ "-18 Male JIC To O-Ring O-Ring
22	*A12094	1	Hose Assembly, $\frac{3}{8}$ " x 73" (06F-06F)
23	G6400-06 GR1045	1 -	Connector W/O-Ring, $\frac{9}{16}$ "-18 Male JIC To O-Ring O-Ring
24	*A12094	1	Hose Assembly, $\frac{3}{8}$ " x 73
25	*A12096 *A15023	1 -	Hose Assembly, $\frac{3}{8}$ " x 140", 12 Row 30" and 16 Row 30" Hose Assembly, $\frac{3}{8}$ " x 154", 16 Row 7.5" Twin Row
26	G306-06	1	Lock Nut, $\frac{9}{16}$ "-18
27	G2700-06-06	1	Bulkhead Tube Union, $\frac{9}{16}$ "-18 Male JIC
28	GA15499 GD25522	- -	Special Pioneer Coupler, Zero Pressure Return Hydraulic Tip Cover
29	GD4086	-	ISO Coupler
30	G2702-12	1	Bulkhead Elbow, 45°, 1 $\frac{1}{16}$ "-12 Male JIC
31	G2702-10	1	Bulkhead Elbow, 45°, $\frac{7}{8}$ "-14 Male JIC
32	G2702-06	1	Bulkhead Elbow, 45°, $\frac{9}{16}$ "-18 Male JIC
33	GA26924-08	1	Hose Label/Cover, Yellow (Retract)
34	GA26924-11	1	Hose Label/Cover, Orange (Case Drain)
35	GA26924-07	1	Hose Label/Cover, Yellow (Extend)

* Hydraulic hose is not stocked by Kinze Repair Parts.

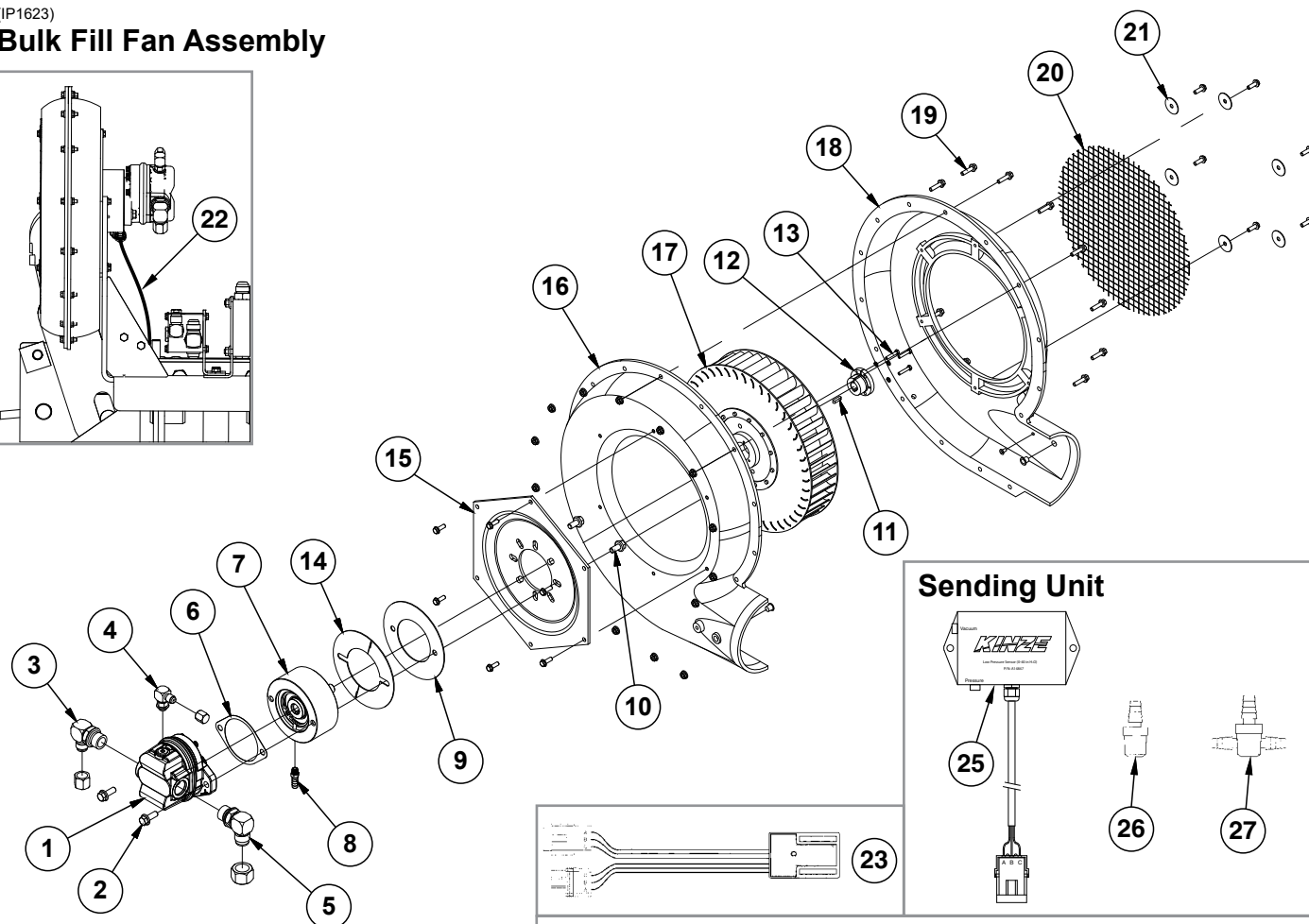
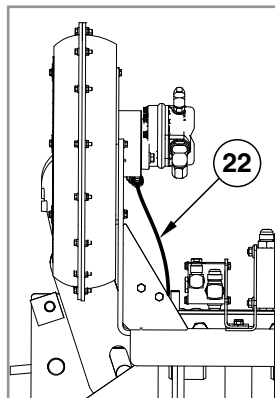
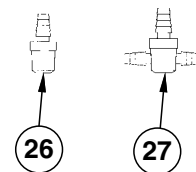
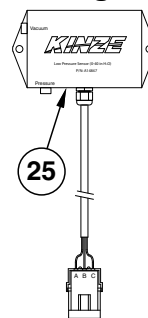
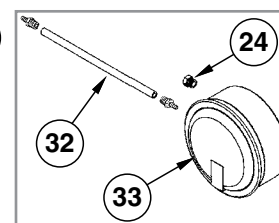
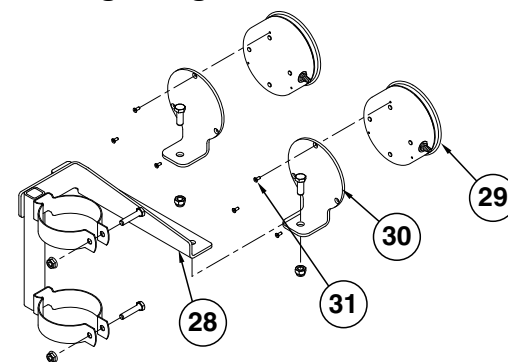
(IP1622)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G6801-10 GR1466	1 -	Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To O-Ring O-Ring
2	G6801-12-10 GR1466	1 -	Elbow W/O-Ring, 90°, 1 1/16"-12 Male JIC To 7/8"-14 O-Ring O-Ring
3	*A21533-30	1	Hose Assembly, 3/4" x 30" (12F-12F)
4	*A18688-38	1	Hose Assembly, 1/2" x 38" (10F - 10F90)
5	*A18679-83	1	Hose Assembly, 1/2" x 83" (10F-10M JIC)
6	*A21535-83	1	Hose Assembly, 5/8" x 83" (12F-12M JIC)
7	*A3117	1	Hose Assembly, 3/8" x 176" (08F-08F)
8	G6801-08 GR1037	4 -	Elbow W/O-Ring, 90°, 3/4"-16 Male JIC To O-Ring O-Ring
9	*A12076	1	Hose Assembly, 3/8" x 165" (08F-08F)
10	*A1464	2	Hose Assembly, 1/2" x 72" (10F-10F)
11	*A11443	2	Hose Assembly, 5/8" x 73" (12F-12F)
12	*A18693-206 *A18693-268	2 -	Hose Assembly, 1/2" x 206" (10F-1/2M NPTF W/Ext., W/Tip), 12 Row Only Hose Assembly, 1/2" x 268" (10F-1/2M NPTF W/Ext., W/Tip), 16 Row Only
13	*A21548-206 *A21548-266	2 -	Hose Assembly, 5/8" x 206" (12F-1/2M NPTF W/Ext., W/Tip), 12 Row Only Hose Assembly, 5/8" x 266" (12F-1/2M NPTF W/Ext., W/Tip), 16 Row Only
14	*A12752	1	Hose Assembly, 1/2" x 23" (10F-12F)
15	*A12085	1	Hose Assembly, 3/8" x 26" (08F-10F)
16	*A3158	1	Hose Assembly, 3/8" x 46" (08F-08F)
17	*A1021	1	Hose Assembly, 3/8" x 56" (08F-08F)
18	*A11442 *A11458	1 -	Hose Assembly, 5/8" x 137 1/2" (12F-12F), 12 Row 30" and 16 Row 30" Hose Assembly, 5/8" x 152" (12F-12F), 16 Row 7.5" Twin Row
19	*A12751 *A12774	1 -	Hose Assembly, 1/2" x 142 1/2" (10F-10F), 12 Row 30" and 16 Row 30" Hose Assembly, 1/2" x 157" (10F-10F), 16 Row 7.5" Twin Row
20	*A26938-206 *A26938-266	1 -	Hose Assembly, 3/8" x 206" (08F-1/2M NPTF W/Ext., W/Tip), 12 Row Only Hose Assembly, 3/8" x 266" (08F-1/2M NPTF W/Ext., W/Tip), 16 Row Only
21	G6801-06 GR1045	1 -	Elbow W/O-Ring, 90°, 9/16"-18 Male JIC To O-Ring O-Ring
22	*A12095	1	Hose Assembly, 3/8" x 80" (06F-06F)
23	G6400-06 GR1045	1 -	Connector W/O-Ring, 9/16"-18 Male JIC To O-Ring O-Ring
24	*A12094	1	Hose Assembly, 3/8" x 73" (06F-06F)
25	*A12096 *A15023	1 -	Hose Assembly, 3/8" x 140" (06F-08F), 12 Row 30" and 16 Row 30" Hose Assembly, 3/8" x 154", 16 Row 7.5" Twin Row
26	G306-06	1	Lock Nut, 9/16"-18
27	G2700-06-06	1	Bulkhead Tube Union, 9/16"-18 Male JIC
28	*A12745	1	Hose Assembly, 1/2" x 22" (08F-10F)
29	*A21541-28	1	Hose Assembly, 5/8" x 28" (10F-12F90M)
30	*A12002	1	Hose Assembly, 3/8" x 32" (06F-06F)
31	*A1464	2	Hose Assembly, 1/2" x 72" (10F-10F)
32	*A11443	2	Hose Assembly, 5/8" x 73" (12F-12F)
33	*A12094	1	Hose Assembly, 3/8" x 73" (06F-06F)
34	G6602-06	1	Swivel Tee, 9/16"-18 JIC
35	GA26924-05	1	Hose Label/Cover, Green (Extend)
36	GA26924-06	1	Hose Label/Cover, Green (Retract)
37	GA26924-11	1	Hose Label/Cover, Orange (Retract)
38	GA26924-07	1	Hose Label/Cover, Yellow (Extend)
39	GA26924-08	1	Hose Label/Cover, Yellow (Retract)
40	GA15499 GD25522	- -	Special Pioneer Coupler, Zero Pressure Return Hydraulic Tip Cover
41	GD4086	-	ISO Coupler

* Hydraulic hose is not stocked by Kinze Repair Parts.

(IP1623)

Bulk Fill Fan Assembly**Sending Unit****Analog Gauge**

ITEM	PART NO.	QTY.	DESCRIPTION
1	G11114401	1	Hydraulic Motor
	GR2000	-	Hydraulic Motor Key
2	G11124	2	Hex Serrated Flange Cap Screw, $\frac{3}{8}$ "-16 x 1"
3	G6801-12-10	1	Elbow W/O-Ring, 90°, 1 $\frac{1}{16}$ "-12 Male JIC To $\frac{7}{8}$ "-14 O-Ring
	GR1466	-	O-Ring
	G304-C-10	1	Cap Nut, $\frac{7}{8}$ "-14
4	G6801-06	1	Elbow W/O-Ring, 90°, $\frac{9}{16}$ "-18 Male JIC To O-Ring
	GR1045	-	O-Ring
	G304-C-6	1	Cap Nut, $\frac{9}{16}$ "-18

ITEM	PART NO.	QTY.	DESCRIPTION
5	G6801-12	1	Elbow W/O-Ring, 90°, 1 $\frac{1}{16}$ "-12 Male JIC To O-Ring
	GR1467	-	O-Ring
	G304-C-12	1	Cap Nut, 1 $\frac{1}{16}$ -12
6	GD30882	1	Gasket, 2-Bolt Mount
7	GA25388	1	Overhung Load Adapter
	GD20928	-	Bearing (Included W/GA25388)
8	GD35294	1	Hose Barb, $\frac{1}{8}$ "-27 NPTF x $\frac{3}{8}$ "
9	GD25644	1	Cover Plate
10	G11123	2	Hex Serrated Flange Cap Screw, $\frac{3}{8}$ "-16 x $\frac{3}{4}$ "
11	GD21300	1	Key Stock, $\frac{3}{16}$ " x $\frac{3}{4}$ "
12	GR1961	1	Bushing, $\frac{5}{8}$ "
13	G11518	3	Hex Head Machine Screw, #10-24 x 1"
	G10243	3	Washer, No. 10 SAE
14	GR1968	1	Cover Plate
15	GR1969	1	Backing Plate
	G10988	12	Hex Non-Serrated Flange Cap Screw, $\frac{1}{4}$ "-20 x $\frac{3}{4}$ "
16	GR1966	1	Non-Flanged Inner Case
	GR1979	1	Plastic Plug, $\frac{7}{16}$ "
17	GR2109	1	Impeller
18	GR1965	1	Non-Flanged Outer Case
	GR1978	1	Plastic Plug, $\frac{1}{4}$ "
	GR1979	1	Plastic Plug, $\frac{7}{16}$ "
19	G11409	15	Hex Serrated Flanged Cap Screw, $\frac{1}{4}$ "-20 x 1"
	G10621	15	Serrated Flange Nut, $\frac{1}{4}$ "-20
20	GR1967	1	Screen
21	GR1977	6	Fender Washer, $\frac{1}{4}$ "
22	GD6279-06	1	Clear Plastic Tubing, $\frac{3}{8}$ " O.D. x 72"
	G10681	1	Hose Clamp, No. 6
23	GA12812	-	Hall Effect Adapter
24	GA10799	1	Breather, $\frac{1}{8}$ " Male NPT
25	GA14847	1	Low Pressure Sensor (0-40 IN H ₂ O) (Replaces GA14116)
	GD16324-01	-	Clear Plastic Tubing, $\frac{1}{4}$ " x 45"
	GA9964	-	Strain Relief
	G1K248	-	3-Pin Female Connector Kit (Black), Includes: (3) 3-Pin Female Housings, (9) Pin Contacts, (9) Seals
26	GR1736	1	Hose Barb, $\frac{1}{8}$ " Male NPT To Barb
27	GD21278	-	Reducing Tee, $\frac{3}{16}$ " x $\frac{1}{8}$ "
28	---	---	See "Center Pivot" on page P125
29	GA21406	2	Pressure Gauge W/Hose Barb
	GR1777	-	Hose Barb, $\frac{3}{16}$ " x $\frac{1}{8}$ " NPT (Included W/GA21406)
30	GD15804	2	Mount
	G10108	2	Lock Nut, $\frac{3}{8}$ "-16
	G10004	2	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $1\frac{1}{4}$ "
31	G11215	6	Hex Socket Head Cap Screw, No. 6-32 x $\frac{3}{8}$ ", Grade 8
32	GD15849-02	1	Clear Tubing, $\frac{5}{16}$ " O.D. x $\frac{3}{16}$ " I.D. x 120"
33	GA21406	1	Analog Vacuum Gauge W/Hose Barb
	GR1777	-	Hose Barb, $\frac{1}{8}$ " Male NPT To $\frac{3}{16}$ " Barb (Included W/GA21406)
A	GA14572	-	Bulk Fill Fan Assembly (Non-Flanged) (Items 14-21)
B	GR1960	-	Hydraulic Motor Seal Kit

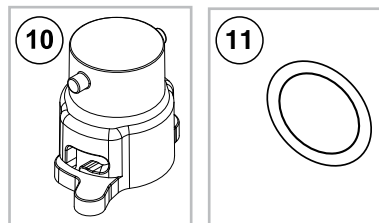
(110558)

12 Row Pull Units

Row Units	12	11	10	9	8	7	6	5	4	3	2	1
	8	1	2	9	3	5	5	3	6	2	1	8

12 Row Split Units

Row Units	Even Row	11	10	9	8	7	6	5	4	3	2	1
	1	2	7	5	3	3	3	5	6	5	7	2



[See "Bulk Fill Hose Parts" on page P85 for additional parts.](#)

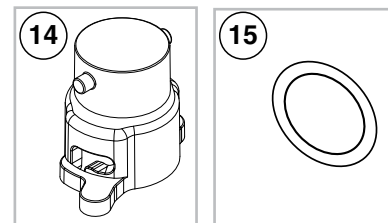
ITEM	PART NO.	QTY.	DESCRIPTION
1	*A13802	3	Hose Assembly, 1¼" x 161"
2	*A13803	4	Hose Assembly, 1¼" x 133"
3	*A13805	5	Hose Assembly, 1¼" x 71"
4	*A13801	1	Hose Assembly, 1¼" x 192"
5	*A13807	5	Hose Assembly, 1¼" x 82"
6	*A13808	2	Hose Assembly, 1¼" x 93"
7	*A13824	2	Hose Assembly, 1¼" x 103"
8	*A13801	2	Hose Assembly, 1¼" x 192"
9	*A13804	1	Hose Assembly, 1¼" x 101"
10	GB0431	12	Bulk Fill Small Cap
11	GD19508	12	Small O-Ring

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

(110563)

16 Row Pull Units

Row Units	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
	12	11	2	3	4	5	6	8	8	6	9	4	3	7	11	12

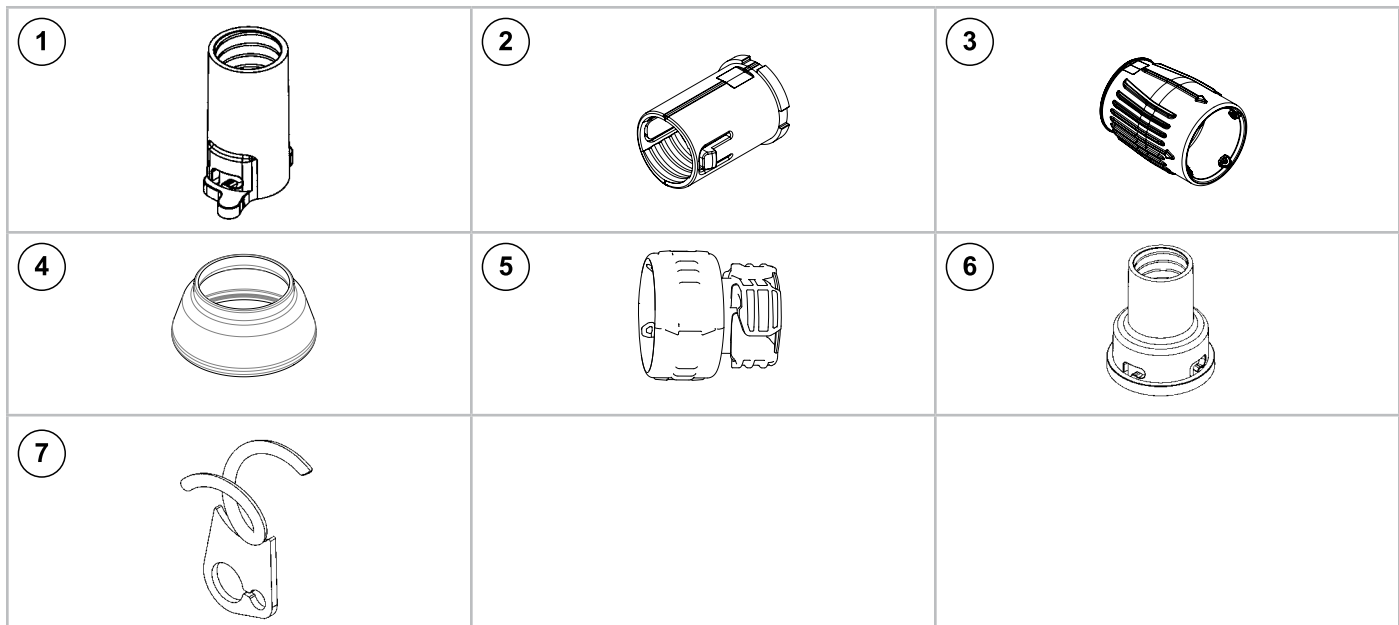
**16 Row Split Units**

Row Units	Even Row	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
	1	10	3	4	13	8	6	6	6	8	6	8	13	4	3	2

See "Bulk Fill Hose Parts" on page P85 for additional parts.

ITEM	PART NO.	QTY.	DESCRIPTION
1	*A13800	1	Hose Assembly, 1¼" x 218"
2	*A13801	2	Hose Assembly, 1¼" x 192"
3	*A13802	4	Hose Assembly, 1¼" x 161"
4	*A13803	4	Hose Assembly, 1¼" x 133"
5	*A13804	1	Hose Assembly, 1¼" x 101"
6	*A13805	5	Hose Assembly, 1¼" x 71"
7	*A13826	1	Hose Assembly, 1¼" x 176"
8	*A13807	5	Hose Assembly, 1¼" x 82"
9	*A13808	2	Hose Assembly, 1¼" x 93"
10	*A13809	1	Hose Assembly, 1¼" x 205"
11	*A13810	2	Hose Assembly, 1¼" x 225"
12	*A13817	2	Hose Assembly, 1¼" x 246"
13	*A13824	2	Hose Assembly, 1¼" x 103"
14	GB0431	12	Bulk Fill Small Cap
15	GD19508	12	Small O-Ring

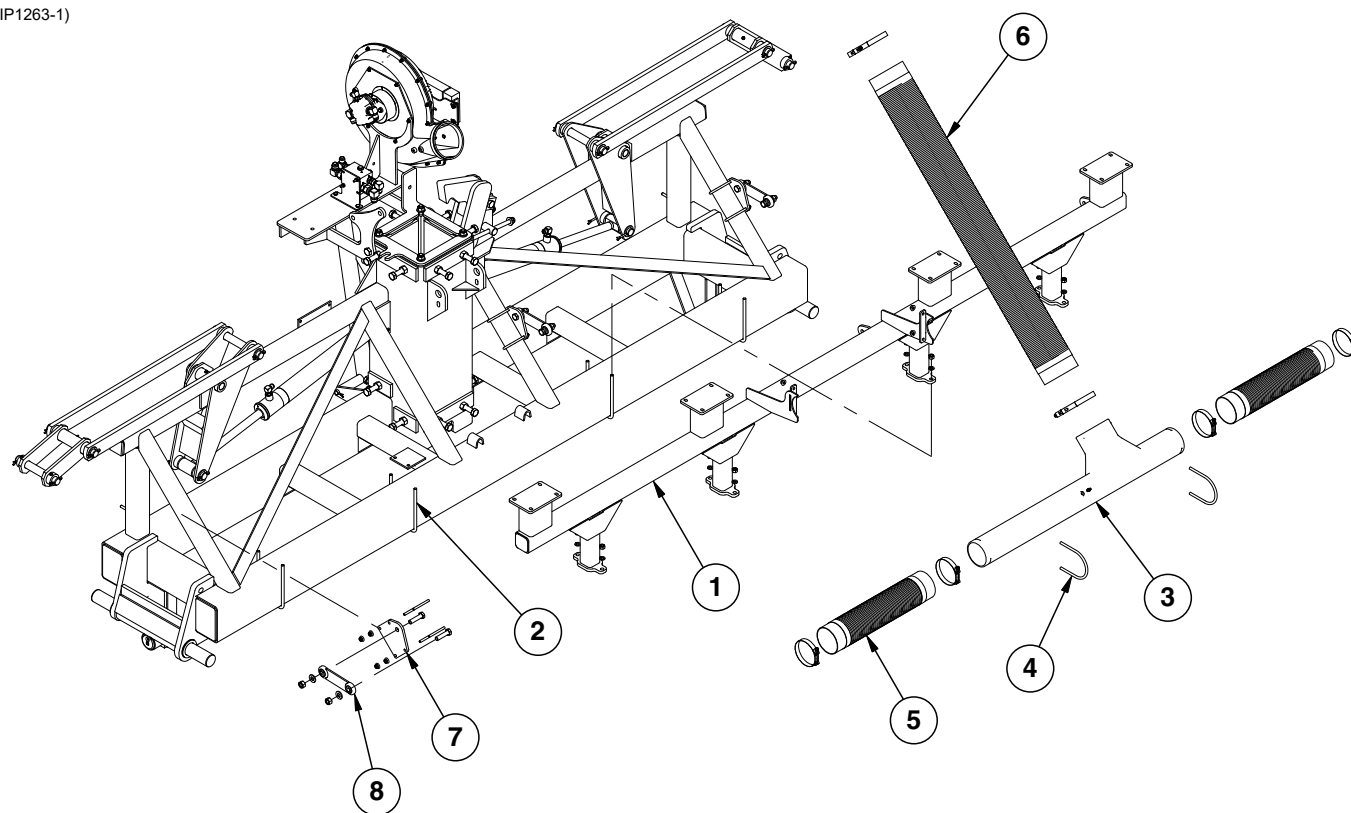
*Hose not stocked by Kinze repair parts, but is available in bulk (GR1947).



ITEM	PART NO.	QTY.	DESCRIPTION
1	GB0429	-	Seed Entrainer Quick Coupler
	GD19508	-	Small O-Ring
2	G10646001	-	Bulk Fill Hose End
	GD19508	-	Small O-Ring
3	G10966001	-	Bulk Fill Hose Coupler
4	G10966101	-	Bulk Fill Coupler Boot
5	G10701201	-	Bulk Fill Plug
6	GB0425	-	Dissipator Quick Coupler
7	GA14593	-	Hose Holder (12 Row - Used on Rows 1 and 12; 16 Row - Used on Rows 1, 2, 15)

This page left blank intentionally.

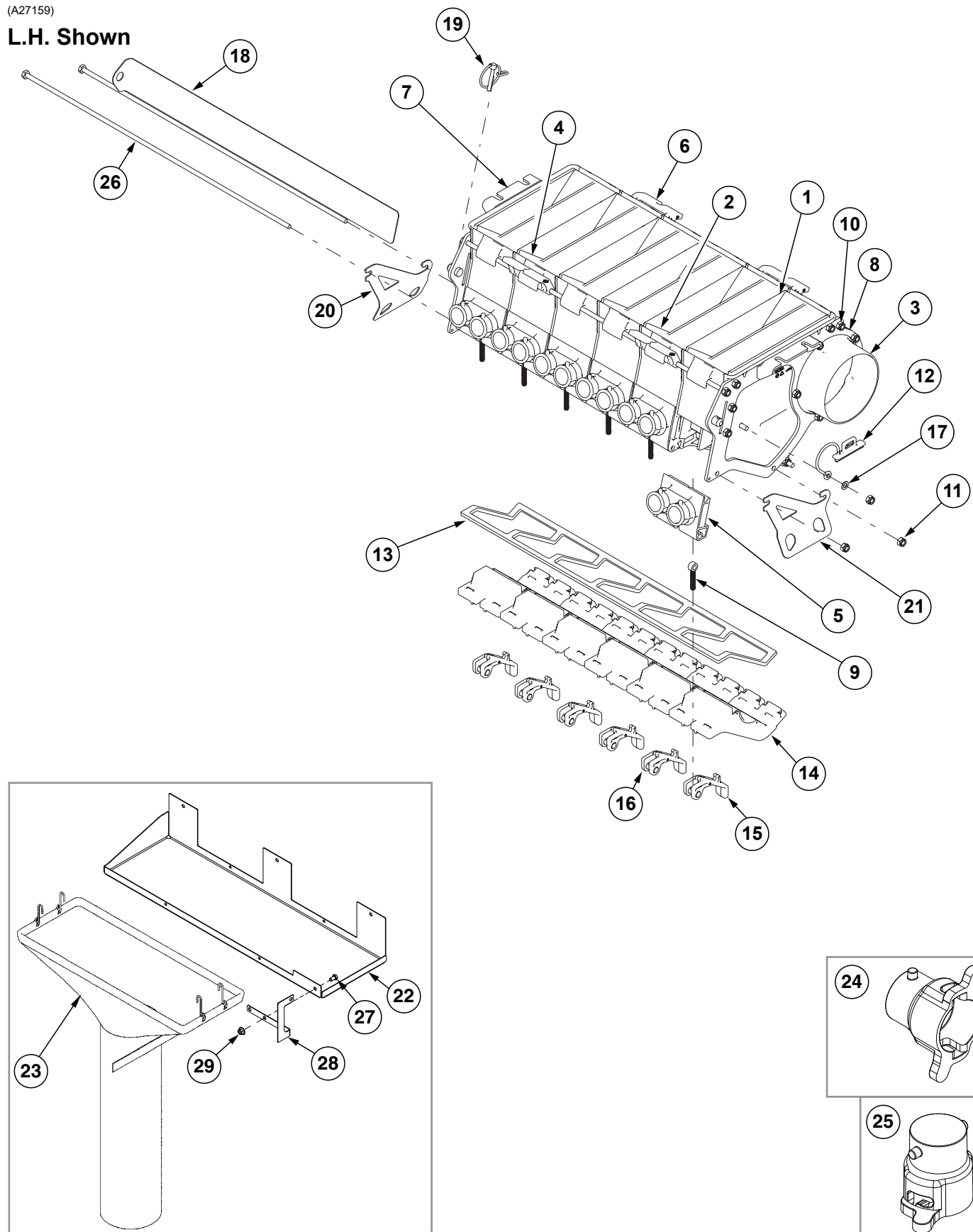
(IP1263-1)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA14330	1	Front Bulk Fill Mount Support, 12 Row 30" and 16 Row 30"
	GA17088	-	Front Bulk Fill Mount Support, 16 Row 7.5" Twin Row
2	GD8306	4	U-Bolt, 7" x 5" x ½"-13
	G10071	8	Serrated Flange Nut, ½"-13
3	GB0493	1	Bulk Fill Manifold
	GR1777	1	Hose Barb, ⅛" Male NPT To ⅜" Barb
4	GD19639	2	U-Bolt, 4½" x ⅜"-16
	G11091	4	Serrated Flange Nut, ⅜"-16
5	GD19659-04	2	Black Hose, 4½" I.D. x 18"
	G11360	4	T-Bolt Hose Clamp, 4½"
6	GD19658-02	1	Black Hose, 6" I.D. x 56"
	G11367	2	T-Bolt Clamp 6"
7	GD20401	3	Link Mount
	GD19212	6	U-Bolt, 2½" x ⅜"-16
	G11091	12	Serrated Flange Nut, ⅜"-16
8	GD33962	3	Link
	G10008	6	Hex Head Cap Screw, ⅝"-11 x 2"
	G11391	6	Flat Washer, ⅝" SAE
	G10104	6	Hex Nut, ⅝"-11

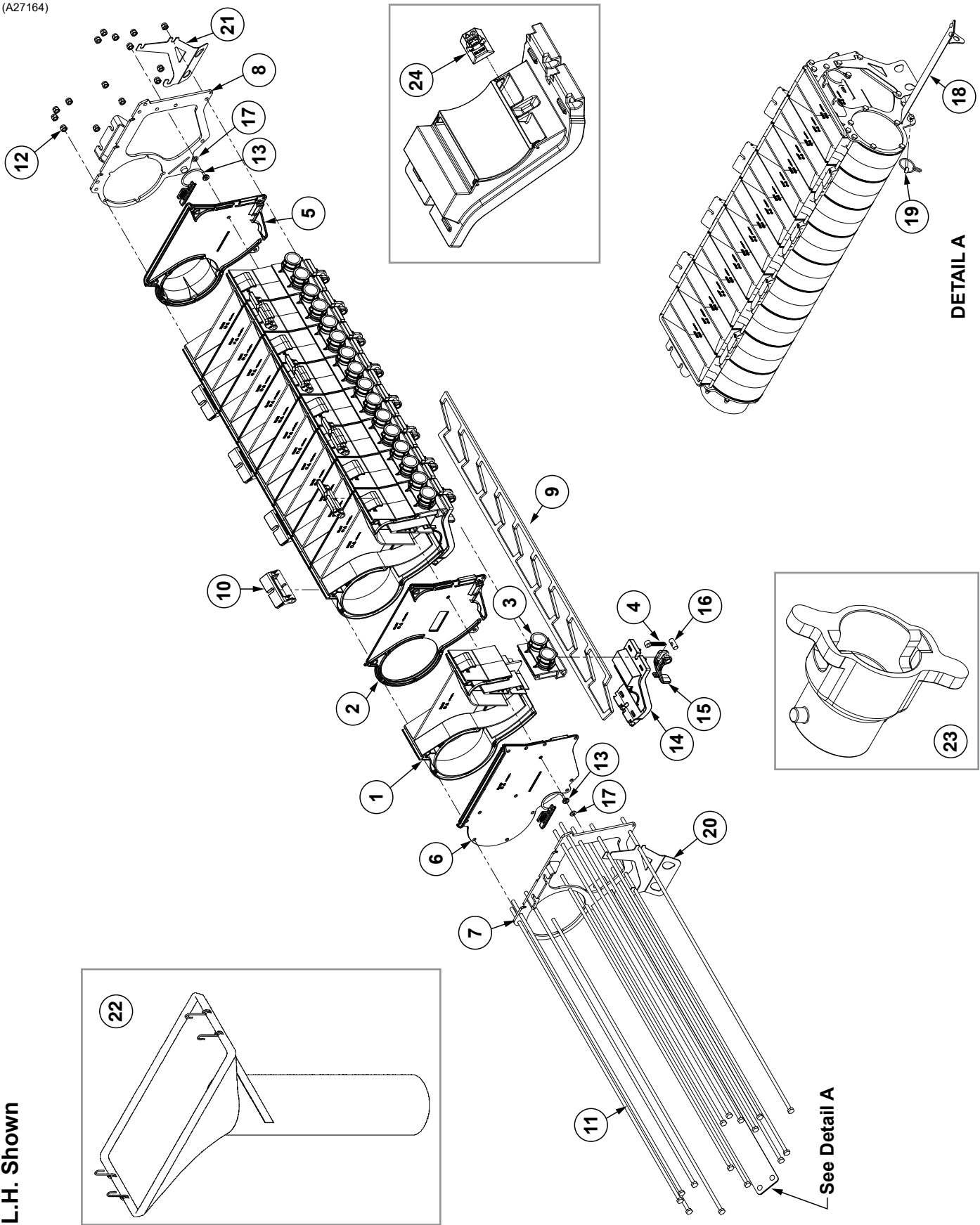
(A27159)

L.H. Shown



ITEM	PART NO.	QTY.	DESCRIPTION
1	GB1195	6	Entrainer Section
2	GB1197	5	Entrainer Interior Wall
3	GB1201	1	Entrainer End Cap, L.H.
4	GB1199	1	Entrainer End Cap, L.H.
5	GB1196	6	Entrainer Outlet Dual, 1"
6	GB1204	4	Entrainer Mount Adapter
7	G10950901	1	Entrainer Retainment Assembly, L.H.
8	G10950801	1	Entrainer Retainment Assembly, R.H.
9	GD19864	6	Eye Bolt, ¼"-20 x 1.83"
10	GD37049	13	Hex Head Cap Screw, ¼"-20 x 21¼", Grade 2, 12 Row
	GD37050	15	Hex Head Cap Screw, ¼"-20 x 28¼", Grade 2, 16 Row
11	G11320	15	Lock Nut, ¼"-20, Grade B
12	GB0444	2	Bulk Fill Shutoff Door Plug
13	G10301201	1	Cleanout Door Gasket, 12 Row
	G10301301	-	Cleanout Door Gasket, 16 Row
14	GA26104	6	Entrainer Door
15	GB1203	6	Entrainer Door Latch
16	GD21080	6	Cam Nut, ¼"-20
17	G11328	2	Washer, ¼"
18	G10495103	1	Entrainer Slide, 12 Row
	G10495102		Entrainer Slide, 16 Row
19	G11339	1	Pin W/Chain
20	G10017201	1	Bulk Fill Chute Hanger
21	G10017301	1	Bulk Fill Chute Hanger
22	G10246301	1	Clean Out Chute Bottom
23	GA14822	1	Cleanout Chute, 12 Row
	GA14823		Cleanout Chute, 16 Row
24	GB0430	-	Bulk Fill Large Cap
25	GB0431	-	Bulk Fill Small Cap (If Applicable)
26	GD19852	3	Hex Head Cap Screw, ¼"-20 x 22"
27	G10328	1	Hex Head Cap Screw, ⅜"-16 x ⅝"
28	G10246001	1	Cleanout Chute Mount
29	G10108	1	Lock Nut, ⅜"-16
A	GA27158 GA27160	-	Bulk Fill Entrainer Assembly, R.H. (Items 1-21), 12 Row Bulk Fill Entrainer Assembly, R.H. (Items 1-21), 16 Row
B	GA27159 GA27163	-	Bulk Fill Entrainer Assembly, L.H. (Shown) (Items 1-21), 12 Row Bulk Fill Entrainer Assembly, L.H. (Items 1-21), 16 Row

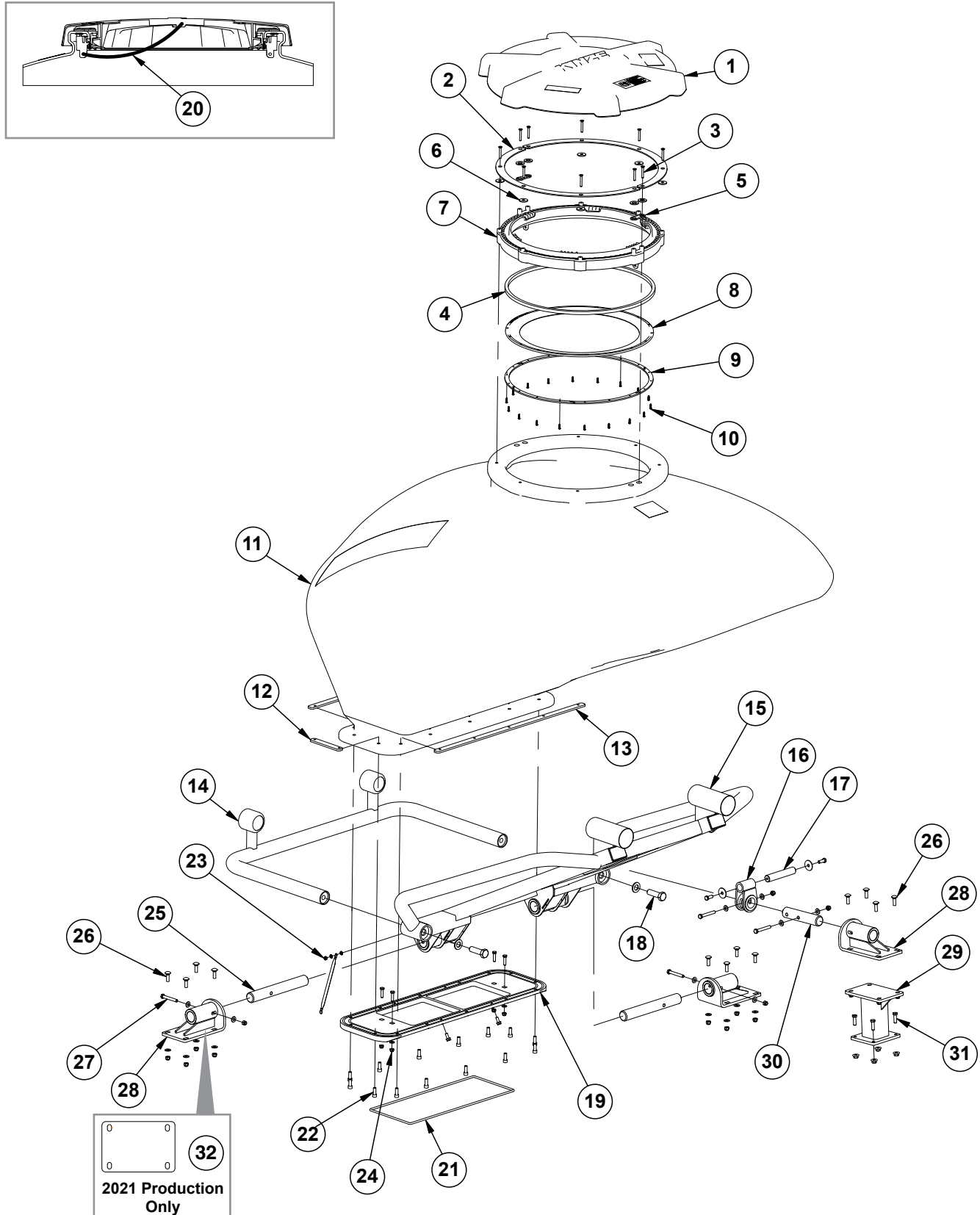
(A27164)



L.H. Shown

ITEM	PART NO.	QTY.	DESCRIPTION
1	GB1197	5	Entrainer Interior Wall
2	G10994301	3	Narrow Entrainer Spacer, L.H.
3	G10994401	3	Narrow Entrainer Spacer, R.H.
4	G10993901	6	Entrainer Section
5	GB1204	8	Entrainer Mount Adapter
6	G10994201	6	Dual Entrainer Outlet, 1"
7	G11045701	6	Entrainer Door
8	G10301401	1	Cleanout Door Gasket, 18 Section
9	GD19864	6	Eye Bolt, ¼"-20 x 1.83"
10	G10994101	6	Entrainer Door Latch
11	GD21080	6	Cam Nut, ¼"-20
12	GB1201	1	Entrainer Inlet, L.H.
13	GB0444	2	Bulk Fill Shutoff Door Plug
14	G11328	2	Washer, ¼"
15	G11113501	1	Entrainer Retainment, R.H.
16	G10017301	1	Bulk Fill Chute Hanger
17	G11320	15	Lock Nut, ¼"-20, Grade B
18	GB1199	1	Entrainer End Cap, L.H.
19	G11113601	1	Entrainer Retainment, L.H.
20	G10017201	1	Bulk Fill Chute Hanger
21	G10495105	1	Bulk Fill Shutoff Door
22	G10439801	1	Lynch Pin, ⅜" x 1¼" W/Chain
23	G10936301	15	Hex Head Cap Screw, ¼"-20 x 31¼", Grade 2
24	GB1200	1	Entrainer Inlet, R.H.
25	GB1198	1	Entrainer End Cap, R.H.
26	G10925301	1	Center Chute Cleanout
27	GB0431	-	Bulk Fill Small Cap (If Applicable)
A	G11043501	-	12 Section Bulk Fill Entrainer Assembly, L.H. (Items 1-25)
B	G11043502	-	12 Section Bulk Fill Entrainer Assembly, R.H. (Items 1-25)
C	G11043503	-	16 Section Bulk Fill Entrainer Assembly, L.H. (Items 1-25)
D	G11043504	-	16 Section Bulk Fill Entrainer Assembly, R.H. (Items 1-25)

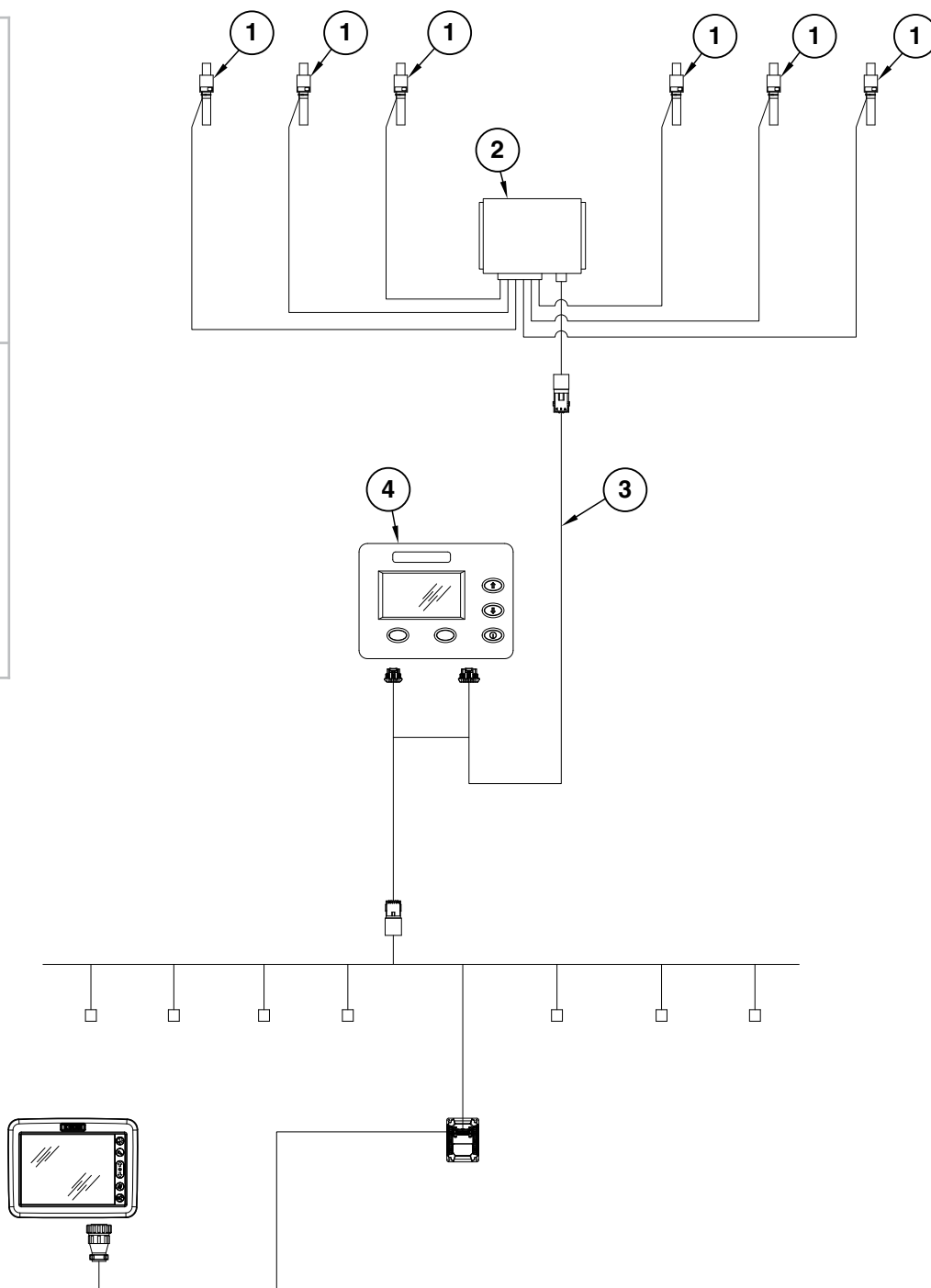
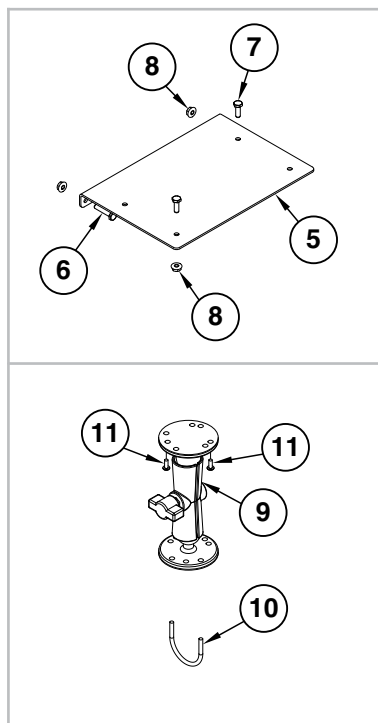
(IP1615)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GB0673	1	Bulk Fill Tank Lid
2	GD35844	2	Top Ring Mount Plate
3	G10132501	10	Hex Flange Head Cap Screw, 1/4"-20 x 1 3/4"
	GD24754	4	Foam Seal
4	GD35274-01	1	Ribbon Sealer, 66 1/2" (Length Used For Tank Lid)
5	GB0905	2	Lid Seal Ring Spacer
6	GD35857	6	Foam Seal Washer
7	GB1206	1	Bulk Fill Tank Lid Latch
8	GB0675	1	Bulk Fill Tank Lid Seal
9	GD24386	6	Bulk Fill Lid Seal Ring Segment
10	G11522	18	Phillip Pan Head Tapping Screw, #8-18 x 5/8"
11	G10126101	1	Bulk Seed Tank, 40 Bushel
12	GD20923	2	Entrainer Mount Tap Block, Short
13	G10057501	2	Entrainer Mount Tap Block
14	GA14856	1	Front Bulk Fill Tank Frame
15	GA14858	1	Rear Bulk Fill Tank Mount
16	GA14040	1	Rear Bulk Fill Tank Mount
17	GD20037	1	Pin, 1" x 5 3/8"
	G10201	2	Special Washer, 3/8" x 1 1/2" O.D.
	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
18	G10027	2	Hex Head Cap Screw, 3/4"-10 x 2 1/2"
	G11392	2	Flat Washer, 3/4" SAE
19	GD37001	1	Entrainer Adapter, 12 Row (2021-2025 Production)
	GD37002	1	Entrainer Adapter, 16 Row (2021-2025 Production)
	GD19690-03	1	Ribbon Sealer, 6 1/2' (2021-2025 Production)
	GD19690-04	1	Ribbon Sealer, 7' (2021-2025 Production)
	G10961	4	Flanged Whiz Lock Screw, 5/16"-18 x 3/4", No Serration
	G10109101	1	Entrainer Adapter, 12 Row (2026 Production and On)
	G11043503	1	Entrainer Adapter, 16 Row (2026 Production and On)
	GD19690-05	1	Ribbon Sealer, 8.25' (2026 Production and On)
	GD19690-06	1	Ribbon Sealer, 9' (2026 Production and On)
20	GD24879-01	1	Rope Tether, 36"
	G11386	1	Flat Washer, 5/16" SAE
21	G10302501	1	Foam Cord, 58"
22	G11261	14	Hex Socket Head Cap Screw, 3/8"-16 x 1"
23	G11528	1	Hex Nut W/External Tooth Washer, 1/4"-20
	G11249	2	External Tooth Washer, 1/4"
	GD27607	1	Ground Strap
24	G11182	4	Lock Nut W/Nylon Insert, 5/16"-18
	G11386	4	Flat Washer, 5/16" SAE
	G10171	4	Hex Head Cap Screw, 5/16"-18 x 1 1/4"
25	GD20035	2	Pin, 1 1/2" x 11 1/4"
26	G10599	12	Carriage Bolt, 3/8"-16 x 1 1/4"
	G11387	12	Flat Washer, 3/8" SAE
	G10108	12	Lock Nut, 3/8"-16
27	G10325	4	Hex Head Cap Screw, 3/8"-16 x 2 3/4"
	G11387	8	Hardened Washer, 3/8" SAE
	G10108	4	Lock Nut, 3/8"-16
28	GA14041	3	Bulk Fill Tank Mount
29	GA14052	1	Rear Tank Mount
30	GD20036	1	Pin, 1 1/2" x 7"
31	G10004	4	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G11091	4	Serrated Flange Nut, 3/8"-16
32	G10328201	6	Spacer
	G10306	24	Carriage Bolt, 3/8"-16 x 2"
	G11387	24	Flat Washer, 3/8" SAE
	G10108	24	Lock Nut, 3/8"-16

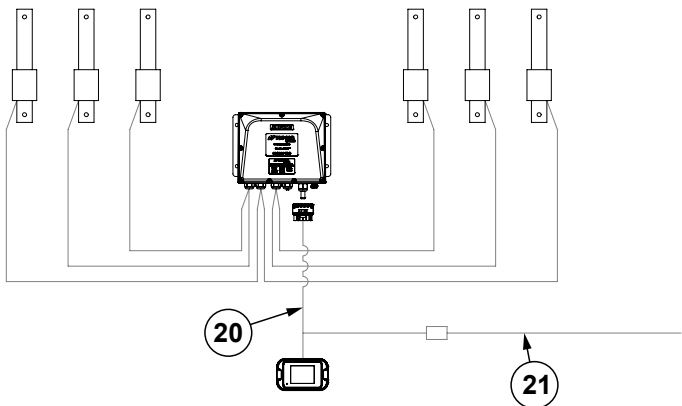
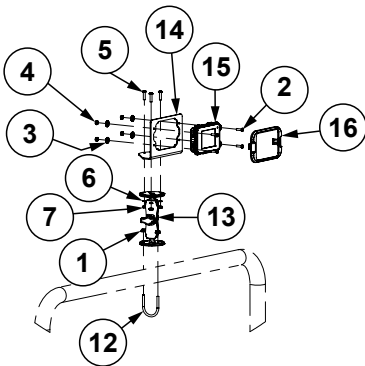
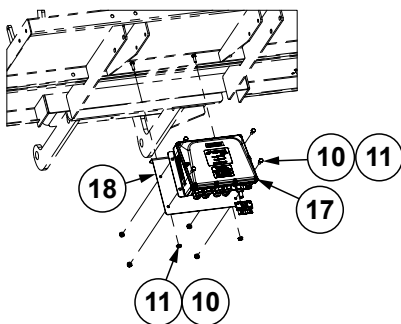
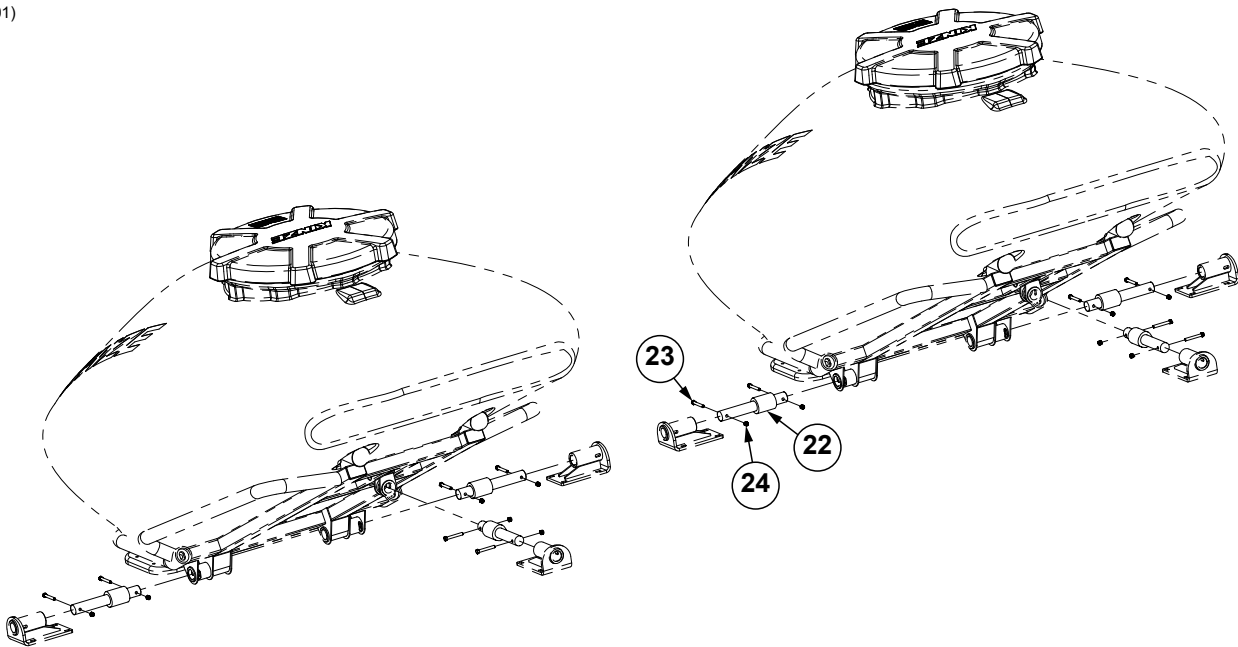
A	G10129501	-	Bulk Fill Lid Seal Assembly, (Items 7-10)
---	-----------	---	---

(IP1192)



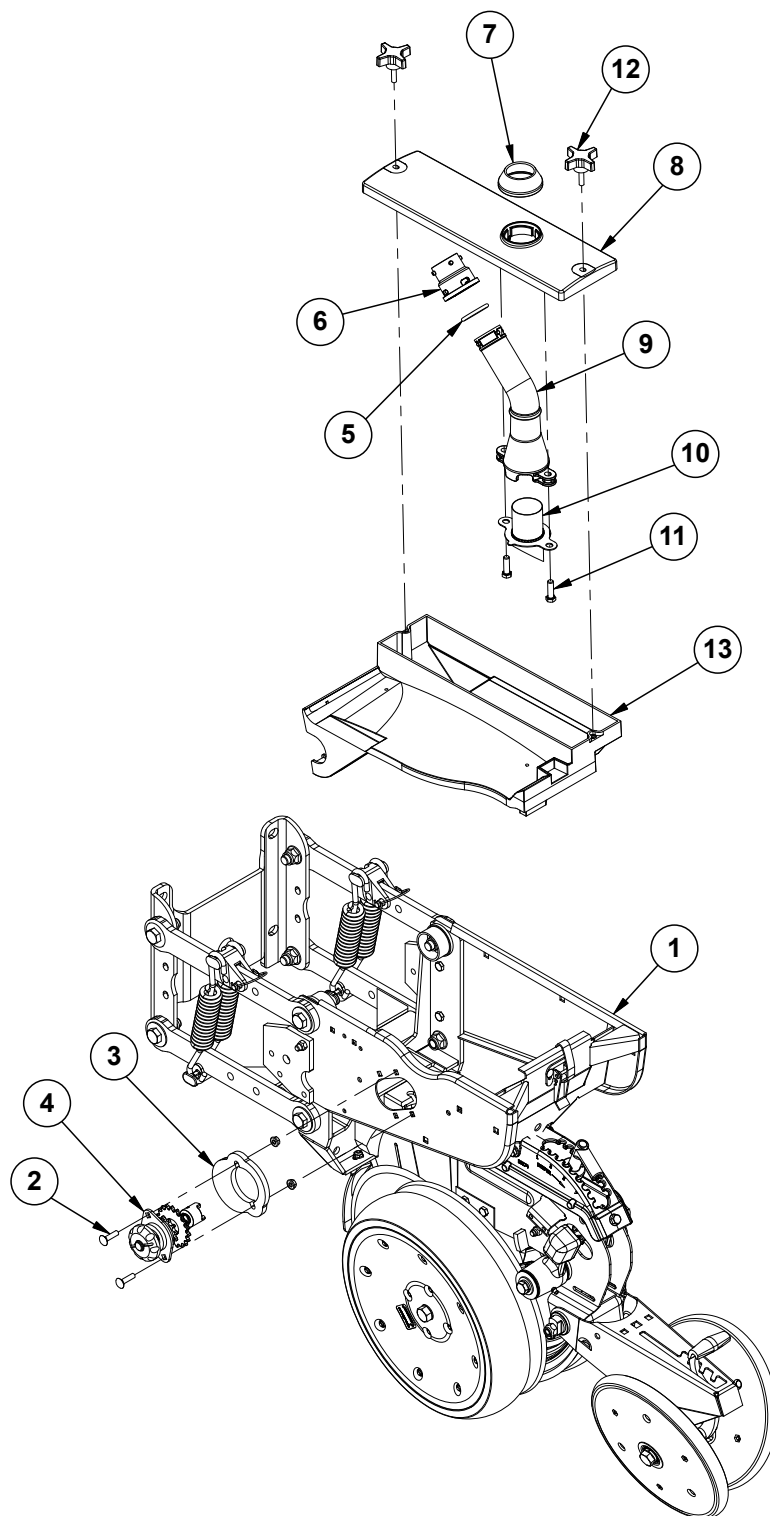
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA14135	6	Load Cell
2	A14136	1	Scale Module
3	GA14129	1	Power Cable
4	GA14133	1	Bulk Fill Scale Display
5	G10265001	1	Module Mounting Bracket
6	G10857	2	Hex Head Cap Screw, ¼"-20 x 1¼"
7	G10002	2	Hex Head Cap Screw, ⅜"-16 x ¾"
8	G10621	4	Serrated Flange Nut, ¼"-20
9	GA12403	1	Mounting Bracket Assembly, Includes: (2) Mounting Brackets, (2) Connector Halves, (1) Compression Spring
10	GD20282	1	U-Bolt, #10-32
	G11284	2	Serrated Flange Nut, #10-32
11	G11216	2	Phillips Pan Head Machine Screw, No. 10-32 x ½", Stainless Steel

(10288601)



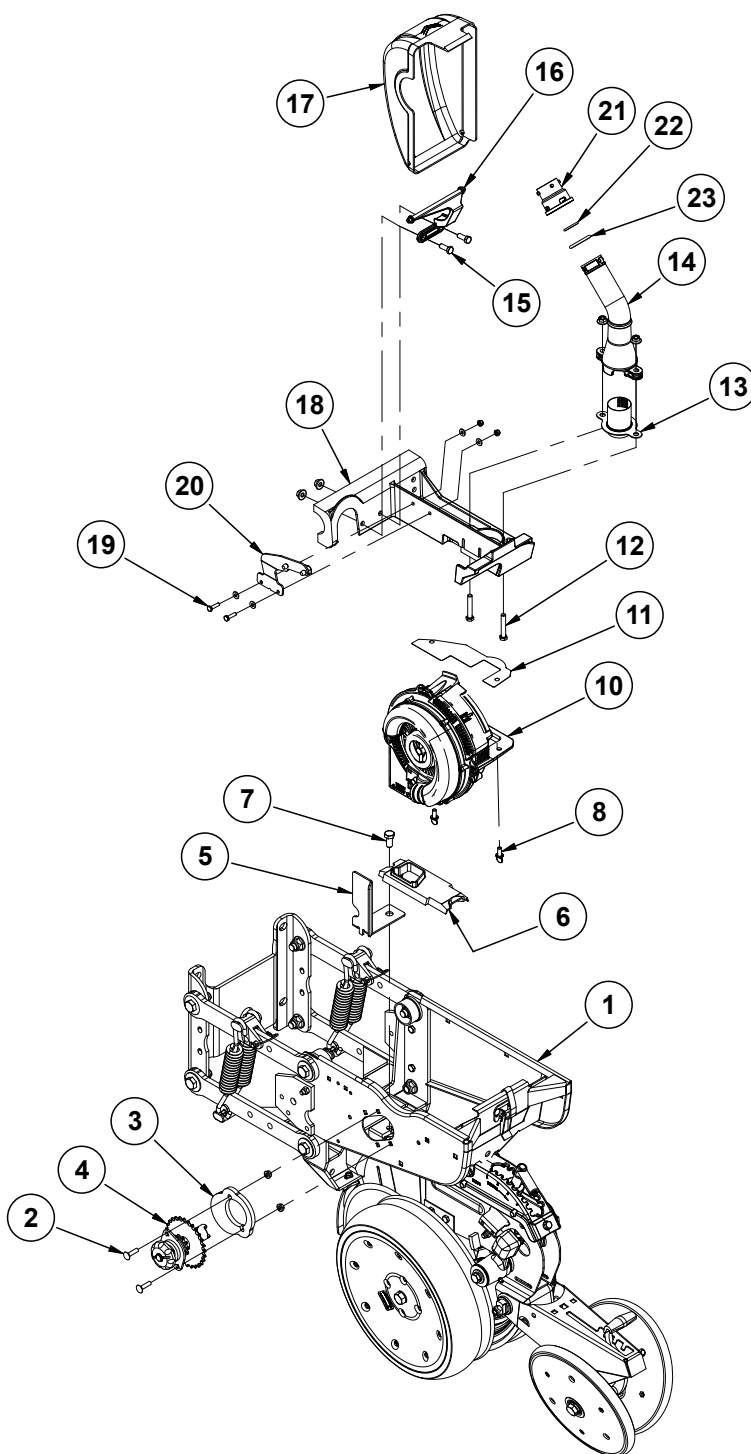
ITEM	PART NO.	QTY.	DESCRIPTION
1	G11284	2	Serrated Flange Nut, No. 8-32
2	G11065	4	Phillips Pan Head Machine Screw, No. 8-32 x 5/8", Stainless Steel
3	G10931	4	Lock Washer, No. 8, Internal/External, Stainless Steel
4	G10251	4	Hex Nut, No. 8-32
5	G11401	3	Phillips Pan Head Machine Screw, No. 10-32 x 3/4", Stainless Steel
6	G10257	3	Lock Washer, No. 10
7	G10758	3	Hex Nut, No. 10-32
8	---	---	---
9	---	---	---
10	G10023	6	Hex Head Cap Screw, 1/4"-20 x 3/4"
11	G10621	6	Serrated Flange Nut, 1/4"-20
12	GD20282	1	U-Bolt, #10-32
13	GA12403	1	Mounting Bracket Assembly, Includes: (2) Mounting Brackets, (2) Connector Halves, (1) Compression Spring
14	G10242601	1	Display Mount Bracket
15	G10488902	1	PHD28 Scale Display
16	G10267101	1	PHD28 Bezel
17	G10002701	1	CAN Scale Module
18	G10265001	1	Scale Module Mount
19	---	---	---
20	G10242801	1	PHD28 Bulk Fill Scale CAN Cable
21	G10266901	1	CAN Stub Harness
22	GA14135	6	Load Cell
23	G10325	12	Hex Head Cap Screw, 3/8"-16 x 2 3/4"
24	G10108	12	Lock Nut, 3/8"-16

(IP1638)



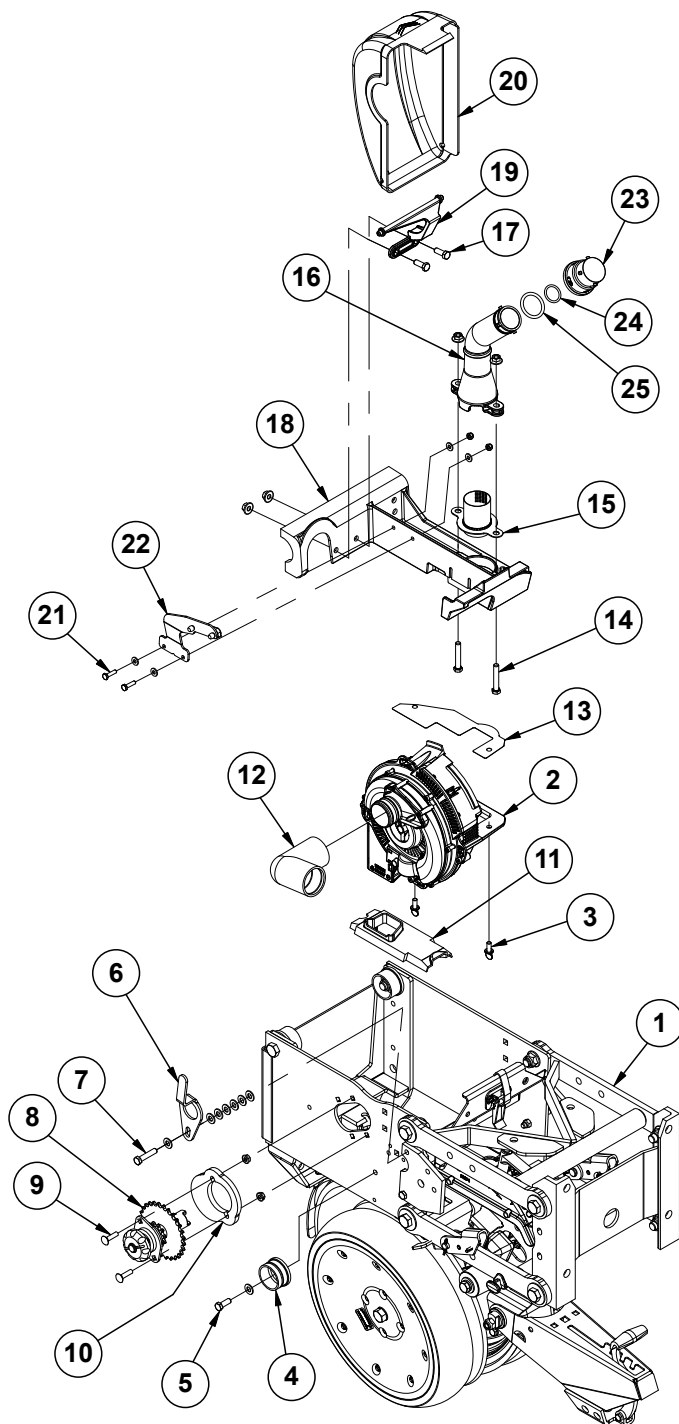
ITEM	PART NO.	QTY. Per Row	DESCRIPTION
1	---	-	See "Shank Assembly, Seed Tube, and Depth Adjustment" on page P3 See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Forces, Springs Option" on page P7 See "Hopper Support and Meter Drive" on page P19
2	G10338	2	Carriage Bolt, 5/16"-18 x 1 1/4"
	G10109	2	Lock Nut, 5/16"-18
3	G11013701	1	Clutch Adapter Plate
4	GA10151	1	Seed Meter Clutch Assembly, 11/19 Tooth
5	GD19509	1	O-Ring, Large
6	GB0430	1	Bulk Fill Large Cap
7	GB0446	1	Bulk Fill Mechanical Meter Cover Seal
8	GB0445	1	Bulk Fill Mechanical Meter Cover
9	GB0455	1	Bulk Fill Air Pressure Dissipator
10	GB0574	1	Air Dissipator Screen
11	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
12	GD29339	2	4-Prong Knob
13	GA9547	1	Mini-Hopper
	GD12561	-	Threaded Insert, 5/16"-18
A	GA14031	-	Bulk Fill Mechanical Meter Cover Assembly (Items 7-11)

(IP1636)



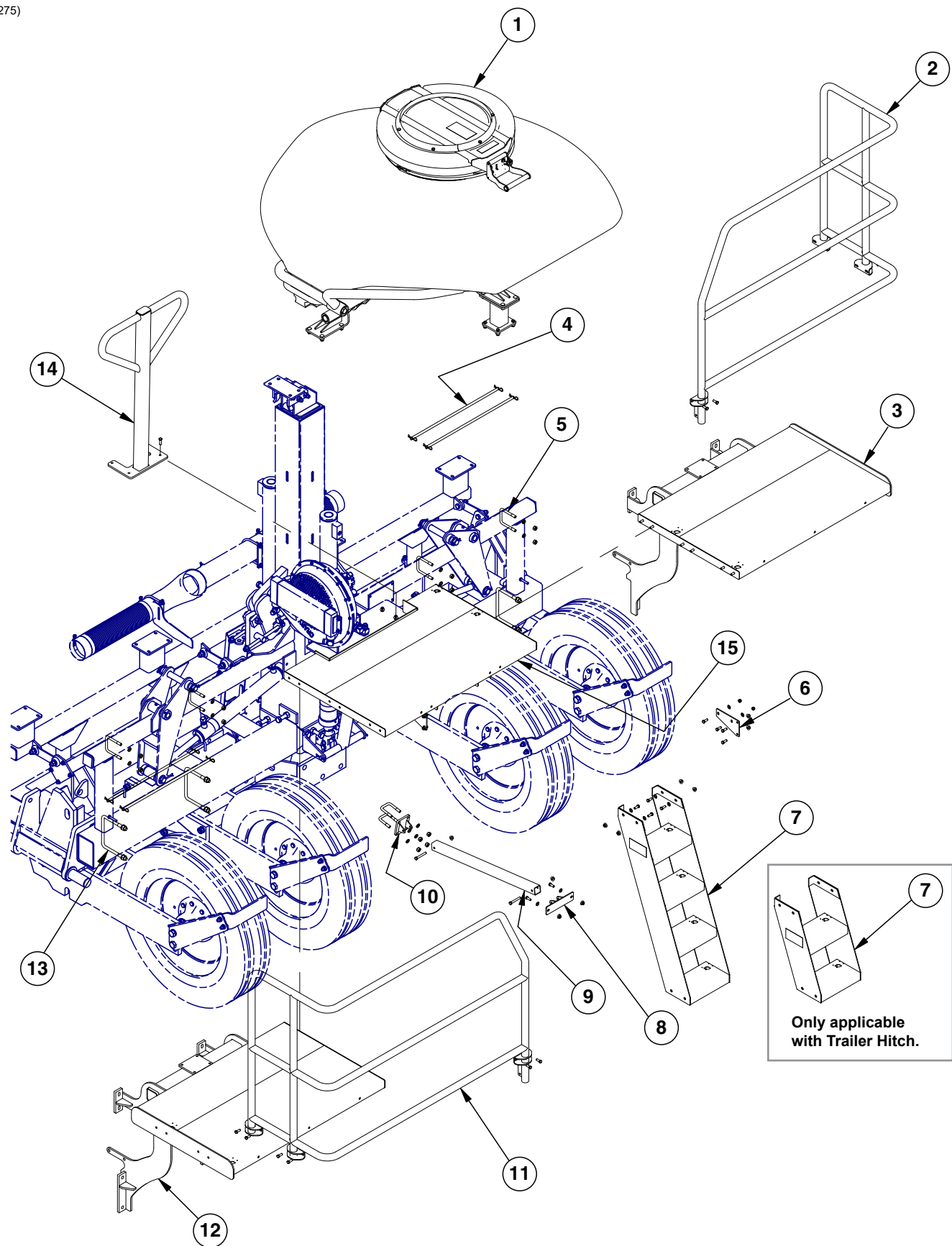
ITEM	PART NO.	QTY.	DESCRIPTION
1	---	1	See "Shank Assembly, Seed Tube, and Depth Adjustment" on page P3 See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Forces Springs Option" on page P7 See "Hopper Support and Meter Drive" on page P19
2	G10338	2	Carriage Bolt, 5/16"-18 x 1 1/4"
	G10109	2	Lock Nut, 5/16"-18
3	G11013701	1	Clutch Adapter Plate
4	GA20640	1	Meter Drive Assembly, 11/28 Tooth
	G3303-108	-	Chain, No. 41, 108 Pitch Including Connector Link
	G3303-120	-	Chain, No. 41, 120 Pitch Including Connector Link (Center 4 Rows)
	GR0196	-	Connector Link, No. 41
5	GD29798	1	Chain Guard
6	GB0926	1	Shank Cover
7	G10014	1	Hex Head Cap Screw, 1/2"-13 x 1"
	G10071	1	Serrated Flange Nut, 1/2"-13
8	G11009	2	Locking Thumbscrew, 5/16"-18 x 3/4"
9	---	---	---
10	----	1	See "Vacuum Seed Meter" on page P29
11	GD29413	1	Hopper Shim
12	G10939	2	Hex Head Cap Screw, 3/8"-16 x 2 1/4"
	G11091	2	Serrated Flange Nut, 3/8"-16
13	GB0901	1	Air Dissipator Screen
14	GB0455	1	Bulk Fill Air Pressure Dissipator
15	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
	G11091	2	Serrated Flange Nut, 3/8"-16
16	GB0717	1	Vacuum Meter Cover Hinge
17	GB0428	1	Meter Cover
18	GA25304	1	Meter Mount W/Inserts
	GD35858	-	Threaded Insert, 5/16"-18 (Included W/GA25304)
19	G10064	2	Hex Head Cap Screw, 1/4"-20 x 1"
	G11385	4	Flat Washer, 1/4" SAE
	G10110	2	Lock Nut, 1/4"-20, Grade B
20	GA21309	1	Meter Support
21	GB0430	1	Bulk Fill Large Cap
22	GD19508	1	Small O-Ring
23	GD19509	1	O-Ring, Large

(IP1637)



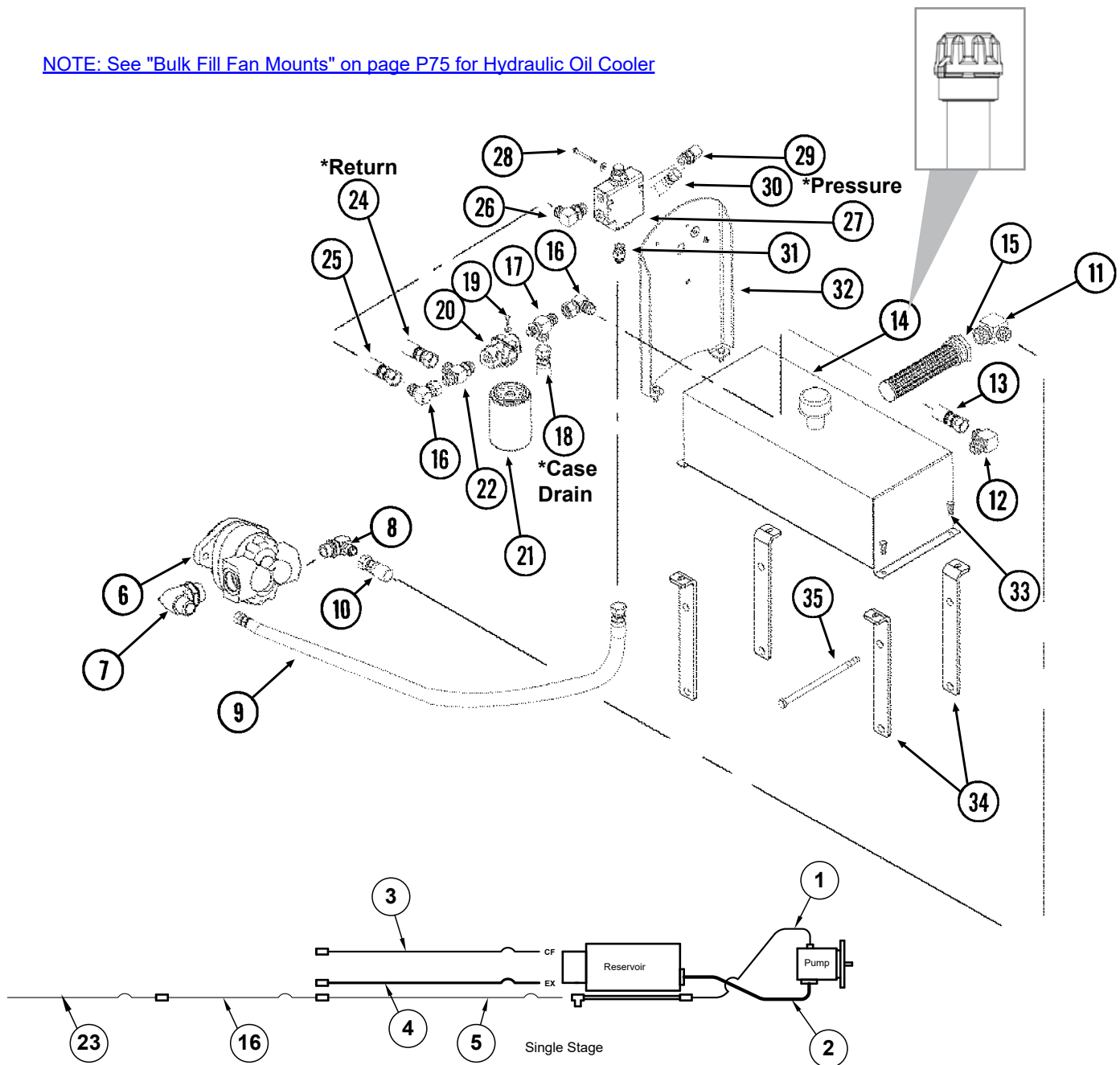
ITEM	PART NO.	QTY.	DESCRIPTION
1	---	---	See "Shank and Depth Adjustment (Split Row)" on page P49 See "Parallel Arms and Face Plate (Split Row)" on page P45
2	GA21482	1	See "Vacuum Seed Meter" on page P29
3	G11009	2	Locking Thumbscrew, $\frac{5}{16}$ "-18 x $\frac{3}{4}$ "
4	GD17052	1	Vacuum Plug
5	G10001	1	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 1"
	G11387	8	Hardened Washer, $\frac{3}{8}$ " SAE
	G10108	1	Lock Nut, $\frac{3}{8}$ "-16
6	G10180301	1	Vacuum Hose Guide
7	G10047	1	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $1\frac{3}{4}$ "
8	GA20640	1	Meter Drive Assembly, 11/28 Tooth
	G3303-108	-	Chain, No. 41, 108 Pitch Including Connector Link
	G3303-120	-	Chain, No. 41, 120 Pitch Including Connector Link (Center 4 Rows)
	GR0196	-	Connector Link, No. 41
9	G10338	2	Carriage Bolt, $\frac{5}{16}$ "-18 x $1\frac{1}{4}$ "
	G10109	2	Lock Nut, $\frac{5}{16}$ "-18
10	G11013701	1	Clutch Adapter Plate
11	GB0926	1	Shank Cover
12	GB1313	1	90° Elbow, $1\frac{1}{2}$ " Hose
13	GD29413	1	Hopper Shim
14	G10939	2	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $2\frac{1}{4}$ "
	G11091	2	Serrated Flange Nut, $\frac{3}{8}$ "-16
15	GB0901	1	Air Dissipator Screen
16	GB0455	1	Bulk Fill Air Pressure Dissipator
17	G10001	2	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 1"
	G11091	2	Serrated Flange Nut, $\frac{3}{8}$ "-16
18	GA25304	1	Meter Mount W/Inserts
	GD35858	-	Threaded Insert, $\frac{5}{16}$ "-18 (Included W/GA25304)
19	GB0717	1	Vacuum Meter Cover Hinge
20	GB0428	1	Vacuum Meter Cover
21	G10064	2	Hex Head Cap Screw, $\frac{1}{4}$ "-20 x 1"
	G10110	2	Lock Nut, $\frac{1}{4}$ "-20, Grade B
	G11385	4	Flat Washer, $\frac{1}{4}$ " SAE
22	GA21309	1	Meter Support
23	GB0430	1	Bulk Fill Large Cap
24	GD19508	1	Small O-Ring
25	GD19509	1	O-Ring, Large

(IP1275)



ITEM	PART NO.	QTY.	DESCRIPTION
1	---	2	See "Bulk Fill Tank Assembly" on page P93
2	GA14372	1	R.H. Rail
	G11091	6	Serrated Flange Nut, 3/8"-16
	G10001	6	Hex Head Cap Screw, 3/8"-16 x 1"
3	GA14370	1	R.H. Catwalk
	G4431-01	1	Edge Molding, 3/8" x 19"
	G11091	6	Serrated Flange Nut, 3/8"-16
	G10001	6	Hex Head Cap Screw, 3/8"-16 x 1"
4	GD20756	4	Seed Tube Hold Down Pin
	G11303	8	Hair Pin Clip, #9, 9/32" x 2 15/16"
5	GD4743	4	U-Bolt, 3" x 3" x 1/2"-13
	G10071	8	Serrated Flange Nut, 1/2"-13
6	GD20599	2	Rail Stiffener
	G11387	10	Flat Washer, 3/8" SAE
	G10108	4	Lock Nut, 3/8"-16
	G11091	4	Serrated Flange Nut, 3/8"-16
	G10001	8	Hex Head Cap Screw, 3/8"-16 x 1"
7	GA17070	1	Wide Ladder
	GA16145	-	Short Ladder (Only Applicable with Trailer Hitch)
	GA17078	-	Narrow Ladder (Only Applicable with Insecticide)
	G11091	4	Serrated Flange Nut, 3/8"-16
	G10049	4	Hex Head Cap Screw, 3/8"-16 x 2 1/2"
8	GA14444	1	Ladder Stiffener Mount
	G10325	2	Hex Head Cap Screw, 3/8"-16 x 2 3/4"
	G11091	4	Serrated Flange Nut, 3/8"-16
	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
9	GD20589	1	Ladder Stiffener Tube
10	GD2721	2	U-Bolt, 2" x 2" x 1/2"-13
	G10228	4	Lock Washer, 1/2"
	G10102	4	Hex Nut, 1/2"-13
	GA14445	1	Strut Stiffener Mount
11	GA14373	1	L.H. Rail
	G11091	6	Serrated Flange Nut, 3/8"-16
	G10001	6	Hex Head Cap Screw, 3/8"-16 x 1"
12	GA14371	1	L.H. Catwalk
	G11091	6	Serrated Flange Nut, 3/8"-16
	G10001	6	Hex Head Cap Screw, 3/8"-16 x 1"
13	GD1113	4	U-Bolt, 5" x 7" x 5/8"-11
	G10230	8	Lock Washer, 5/8"
	G10104	8	Hex Nut, 5/8"-11
14	GA14589	1	Front Handrail
	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G11091	2	Serrated Flange Nut, 3/8"-16
15	GA17080	1	Center Catwalk

[NOTE: See "Bulk Fill Fan Mounts" on page P75 for Hydraulic Oil Cooler](#)

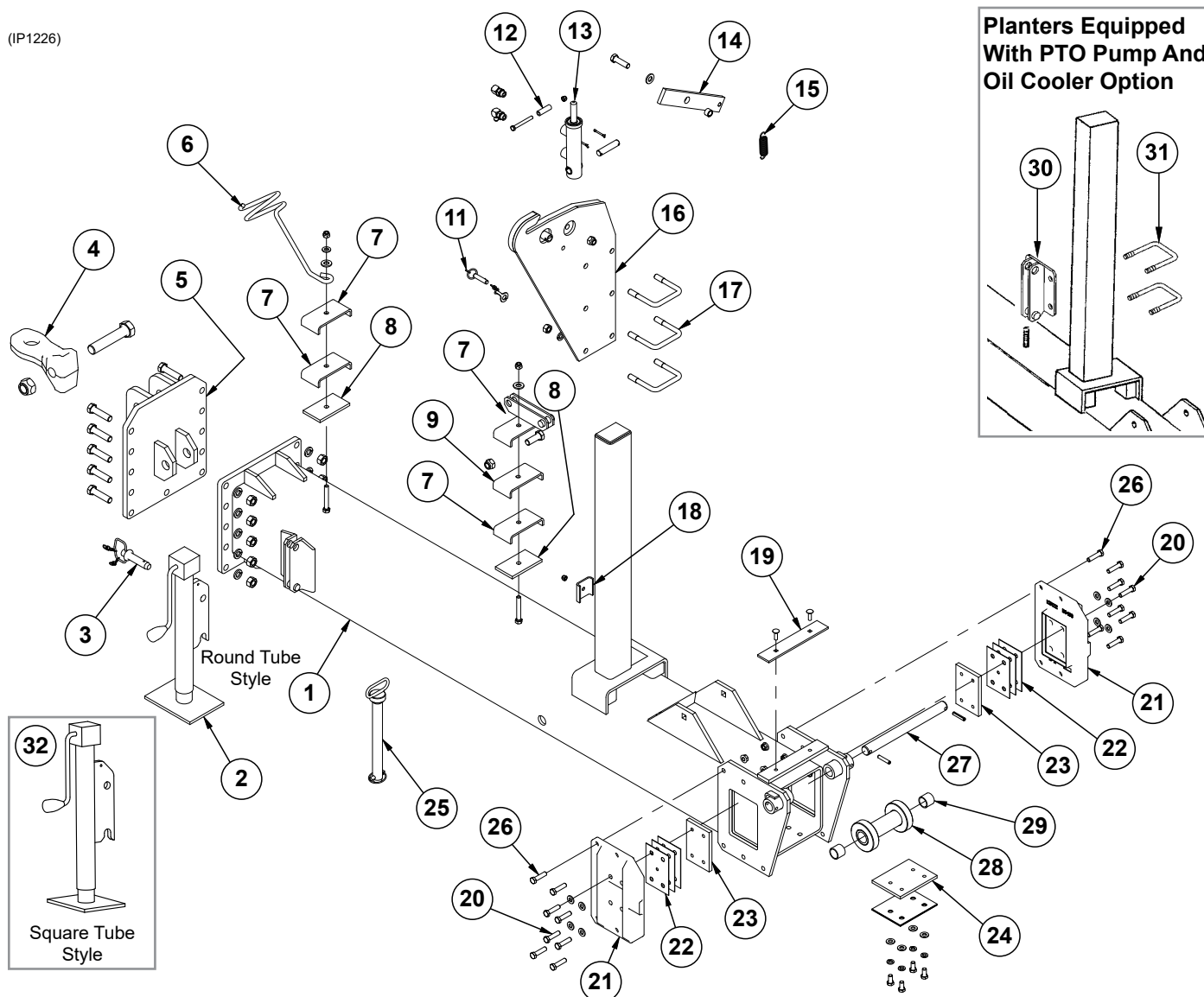


ITEM	PART NO.	QTY.	DESCRIPTION
1	*A18699-66	1	Hose Assembly, 1/2" x 66" (10F45 - 12F)
2	*A11810-64	1	Hose Assembly, 1 1/4" x 64" (20F - 20F)
3	*A25706-82	1	Hose Assembly, 1/2" x 82" (10F-10F90S), 12 Row
	*A25706-142	1	Hose Assembly, 1/2" x 142" (10F - 10F90S), 16 Row
4	*A21554-84	1	Hose Assembly, 5/8" x 84" (10F90S-12F), 12 Row
	*A21554-144	1	Hose Assembly, 5/8" x 144" (10F90S - 12F), 16 Row
5	*A15092-86	1	Hose Assembly, 3/8" x 86" (06F - 08F), 12 Row
	*A15092-146	1	Hose Assembly, 3/8" x 146" (06F - 08F), 16 Row
6	G10225X	-	PTO Pump Replacement Package (Includes Pump and Instruction Sheet)
	GR2025	-	Seal Kit

ITEM	PART NO.	QTY.	DESCRIPTION
7	G6801-10-12 GR1467	1 -	Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To 1 1/16"-12 O-Ring O-Ring
8	G6801-16-20 GR1786	- -	Elbow W/O-Ring, 90°, 1 5/16"-12 Female JIC To O-Ring O-Ring
9	*A1464	1	Hose Assembly, 1/2" x 72"
10	*A6201	1	Hose Assembly, 1" x 72"
11	2501-16-20	1	Elbow, 90°, 1 5/16"-12 Male JIC To 1 1/4" NPT
12	2501-12-16	1	Elbow, 90°, 1 1/16"-12 Male JIC To 1" NPT
13	*A3371	1	Hose Assembly, 3/4" x 25"
14	GA27105 GR1834	1 -	Reservoir W/Breather, 10 Gallon Raised Filler Breather (Included W/GA27105)
15	GD16040	1	Strainer
16	*A12096	1	Hose Assembly, 3/8" x 140" (06F-08F)
17	G6804-12-12 GR1467	1 -	Adjustable Tee W/O-Ring, 1 1/16"-12 Male JIC To 1 1/16"-12 Male O-Ring To 3/4"-16 O-Ring
18	*A1105 *A7607	- -	Hose Assembly, 1/4" x 125", 12 Row 30" Hose Assembly, 1/4" x 187", 16 Row 30"
19	G10023 G10227	2 2	Hex Head Cap Screw, 1/4"-20 x 3/4" Lock Washer, 1/4"
20	GD16038	1	Filter Head
21	GD16037	1	Oil Filter, 10 Micron
22	G6804-12 GR1467	1 -	Adjustable Tee W/O-Ring, 1 1/16"-12 Male JIC To O-Ring O-Ring
23	*A12094	1	Hose Assembly, 3/8" x 73" (06F-06F)
24	*A12929 *A12928	- -	Hose Assembly, 3/4" x 127", 12 Row 30" Hose Assembly, 3/4" x 187", 16 Row 30"
25	*A21533-36	1	Hose Assembly, 3/4" x 36" (12F-12F)
26	G6801-12-10 GR1466	1 -	Elbow W/O-Ring, 90°, 1 1/16"-12 Male JIC To 7/8"-14 O-Ring O-Ring
27	GA10918	1	Flow Control Valve
28	G10403 G11385 G10110	2 4 2	Hex Head Cap Screw, 1/4"-20 x 2 1/2" Flat Washer, 1/4" SAE Lock Nut, 1/4"-20, Grade 8
29	G6801-10 GR1466	1 -	Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To O-Ring O-Ring
30	*A12758 *A12757	- -	Hose Assembly, 1/2" x 135", 12 Row 30" Hose Assembly, 1/2" x 195", 16 Row 30"
31	G6400-10 GR1466	1 -	Connector W/O-Ring, 7/8"-14 Male JIC To O-Ring O-Ring
32	G10048201	1	Mounting Bracket
33	G10001 G11387 G10108	2 4 4	Hex Head Cap Screw, 3/8"-16 x 1" Flat Washer, 3/8" SAE Lock Nut, 3/8"-16
34	GD16644	4	Bracket, 14 1/2"
35	G11158 G10228 G10102	4 4 4	Hex Head Cap Screw, 1/2"-13 x 11 1/2" Lock Washer, 1/2" Hex Nut, 1/2"-13

* Hydraulic hose is not stocked by Kinze Repair Parts.

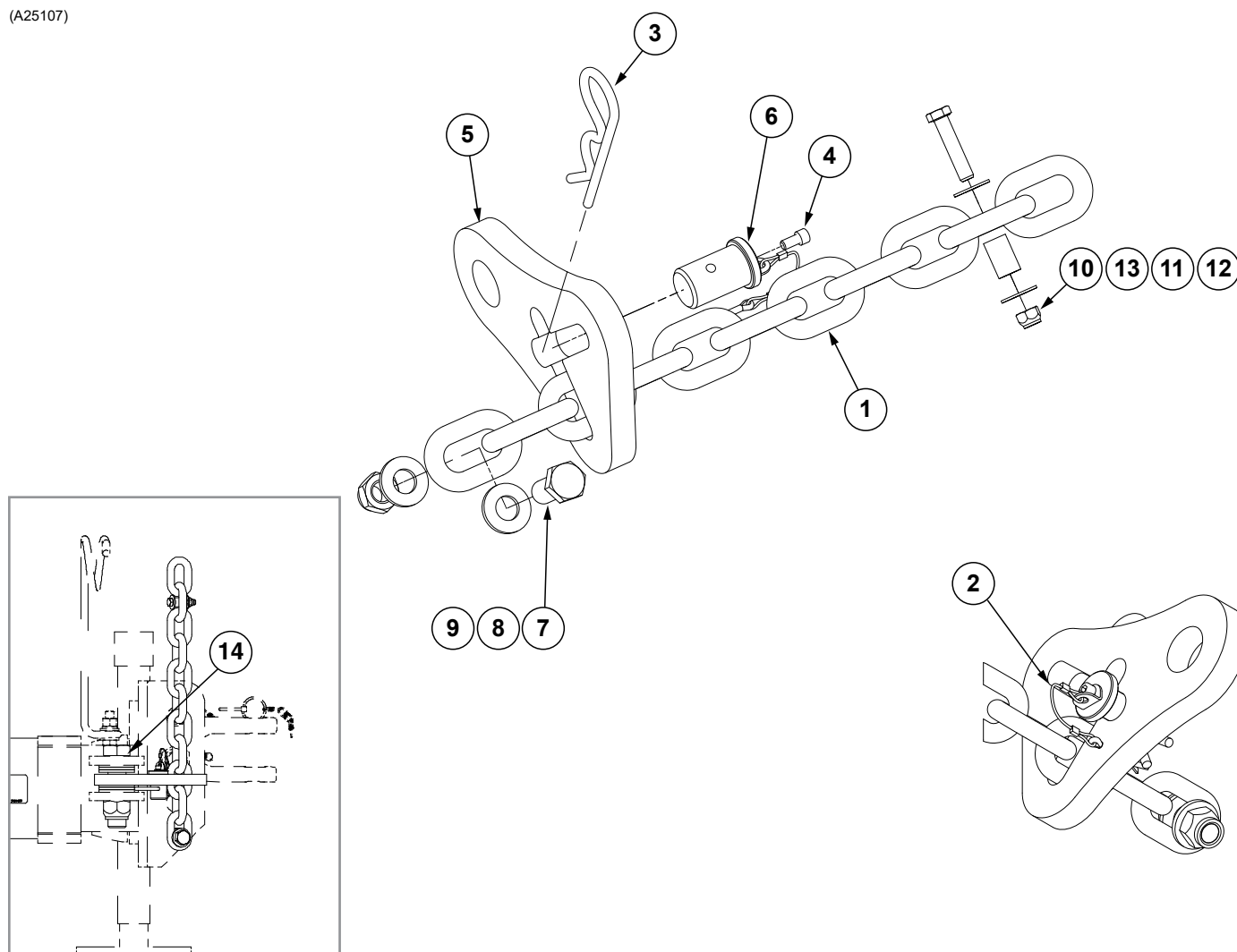
(IP1226)



ITEM	PART NO.	QTY.	DESCRIPTION
1	A14310	1	Outer Hitch, "Y", 97½" 12 Row 30" (Non-Stock Item)
	A7088	-	Outer Hitch, "Y", 127½", 16 Row 30" (Non-Stock Item)
	A12529	-	Outer Hitch, "Y", 127½", 16 Row 7.5" Twin Row (Non-Stock Item)
2	GA13986	1	Jack Assembly Complete (Round Tube Style)
	GR2152	1	Crank Repair Kit (Included W/GA13986)
	GR2153	1	Bevel Gear Set, Includes: (2) Bevel Gears, (1) Gear Pin, (1) Groove Pin (Included W/GA13986)
3	GA4995	1	Detent Pin Assembly
4	GB0292	1	Hitch Clevis, Single (2" Hole)
	G10694601	1	Articulating Hitch, Cat 4
	G10169	1	Hex Head Cap Screw, 1¼"-7 x 6"
	G10157	1	Lock Nut, 1¼"-7
5	GA9837	1	Hitch Mount, 12 Row 30" and 16 Row 30"
	GA12577	-	Hitch Mount, 16 Row 7.5" Twin Row
	G10028	11	Hex Head Cap Screw, ¾"-10 x 3"
	G11392	11	Flat Washer, ¾" SAE
	G10105	11	Hex Nut, ¾"-10
6	GD8260	1	Hose Holder
	G11391	1	Flat Washer, ⅝", SAE
	G11389	1	Flat Washer, ½", SAE
	G10111	1	Lock Nut, ½"-13

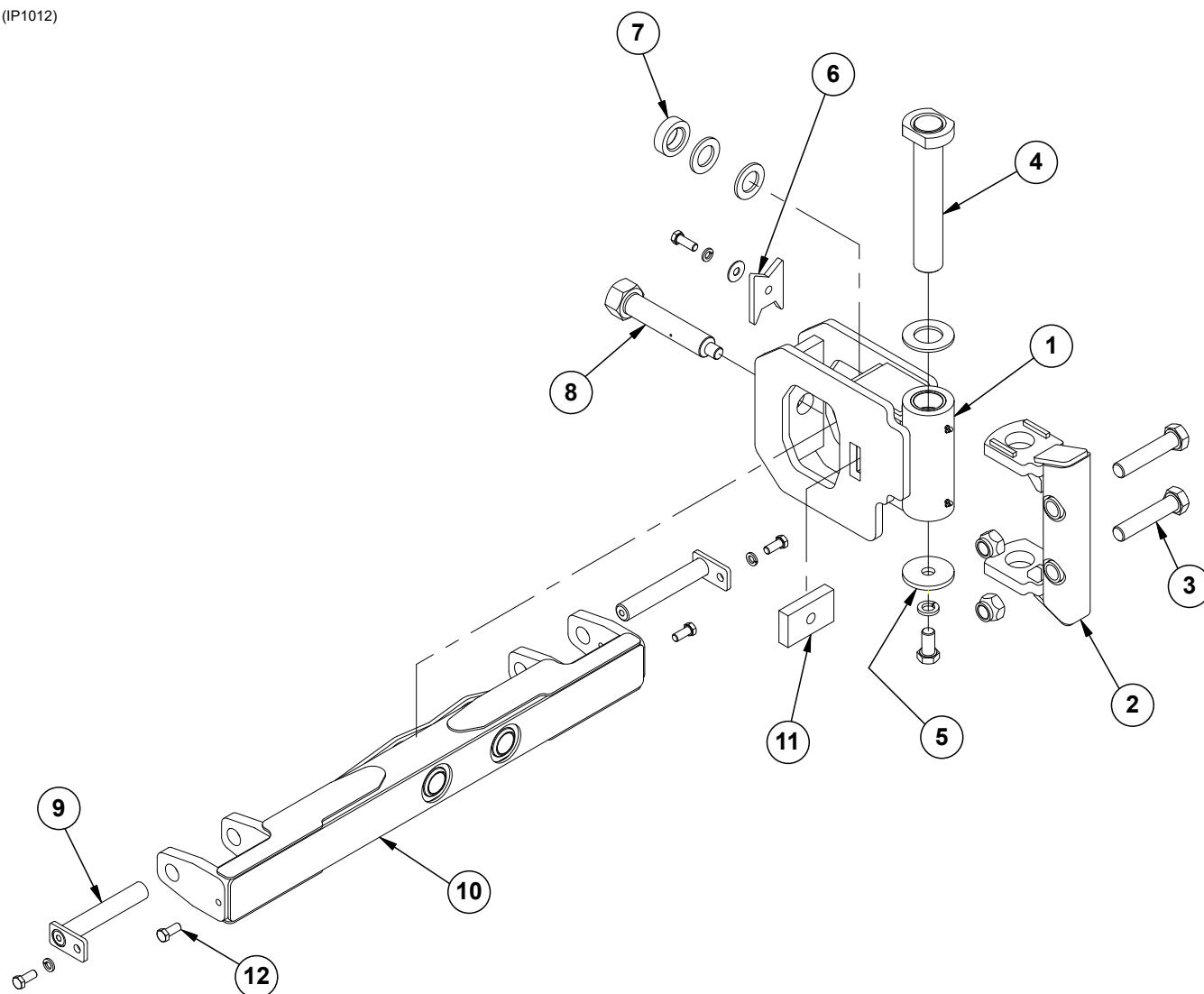
ITEM	PART NO.	QTY.	DESCRIPTION
7	GD8188	3	Hose Clamp, $\frac{7}{8}$ " x 3" x $5\frac{3}{8}$ "
8	GD8189	2	Rubber Strip, $\frac{3}{8}$ "
9	GA5842	1	Bracket, Jack Mount
	G10026	1	Hex Head Cap Screw, $\frac{3}{4}$ "-10 x 2"
	G10112	1	Lock Nut, $\frac{3}{4}$ "-10
10	GD14121	1	Hose Clamp, $\frac{7}{8}$ " x $3\frac{1}{2}$ "
	G10111	1	Lock Nut, $\frac{1}{2}$ "-13
11	GA7022	1	Detent Pin W/Chain (Transport Latch Locking Pin)
12	GD2971-09	1	Sleeve, 2" Long
	G10809	1	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $3\frac{1}{4}$ "
	G10108	1	Lock Nut, $\frac{3}{8}$ "-16
13	GA9559	1	See "Transport Latch Cylinder" on page P177
	G6801-06-08	2	Elbow W/O-Ring, 90°, $\frac{9}{16}$ "-18 Male JIC To $\frac{3}{4}$ "-16 O-Ring
	GD7137	1	Pin, $\frac{3}{4}$ " x $3\frac{3}{8}$ "
	G10457	2	Cotter Pin, $\frac{5}{32}$ " x $1\frac{1}{2}$ "
14	GA7016	1	Catch Bar
	GB0218	1	Bushing, $2\frac{1}{32}$ " I.D. x $\frac{7}{8}$ " O.D. x $1\frac{9}{32}$ " Long
	G10006	1	Hex Head Cap Screw, $\frac{5}{8}$ "-11 x $2\frac{1}{4}$ "
	G10107	1	Lock Nut, $\frac{5}{8}$ "-11
	G11391	1	Flat Washer, $\frac{5}{8}$ ", SAE
15	GD5857	1	Spring
16	GA7433	1	Transport Catch
	G10765	1	Spring Pin, $\frac{1}{4}$ " x 1"
17	GD32368	3	U-Bolt, 3" x 4" x $\frac{5}{8}$ "-11
	G10230	6	Lock Washer, $\frac{5}{8}$ "
	G10104	6	Hex Nut, $\frac{5}{8}$ "-11
18	GD5875	1	Hose Clamp, $\frac{9}{16}$ " x $2\frac{1}{2}$ " x 2"
	G10108	1	Lock Nut, $\frac{3}{8}$ "-16
19	GD20728	1	Spacer Bar
	G10599	2	Carriage Bolt, $\frac{3}{8}$ "-16 x $1\frac{1}{4}$ "
	G10108	2	Lock Nut, $\frac{3}{8}$ "-16
20	G10016	4	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x 2"
	G11389	4	Flat Washer, $\frac{1}{2}$ ", SAE
21	GB0458	1	Wear Pad Retainer, L.H. and R.H.
22	GD3501	3	Shim, 4" x 6"
23	GD9960	1	Wear Pad, Nylatron, 4" x 6" (As Required)
24	GD7518	1	Shim, $\frac{3}{8}$ "
	GD7519	3	Shim, 16 Gauge (.0598")
	G10014	4	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x 1"
	G10228	4	Lock Washer, $\frac{1}{2}$ "
	G11389	4	Flat Washer, $\frac{1}{2}$ " Plated SAE
25	GA13768	1	Safety Pin, $12\frac{3}{4}$ "
26	G10016	8	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x 2"
	G10071	8	Serrated Flange Nut, $\frac{1}{2}$ "-13
27	GD7251	1	Pin, $1\frac{1}{4}$ " x 14"
	G10610	2	Spring Pin, $\frac{3}{8}$ " x 2"
28	GA4842	1	Roller W/Bushings
29	GD6556	2	Bronze Bushing
30	GA11528	1	Bracket
31	GD16642	2	U-Bolt, 3" x 4" x $\frac{1}{2}$ "-13
	G10071	4	Serrated Flange Nut, $\frac{1}{2}$ "-13
32	G11044501	-	Jack Assembly Complete (Square Tube Style)
	G11044201	-	Side Wide Handle, 8.5" (Included W/G11044501)
	G11043301	-	Gear Set (Included W/G11044501)
	G11044001	-	$\frac{5}{8}$ " Pin Kit W/Chain (Included W/G11044501)
	G11044401	-	Bearing (Included W/G11044501)
A	GA14943	-	Wear Pad Retainer Assembly, (Items 20-23)
B	GA4842	-	Roller Assembly, (Items 28 and 29)

(A25107)



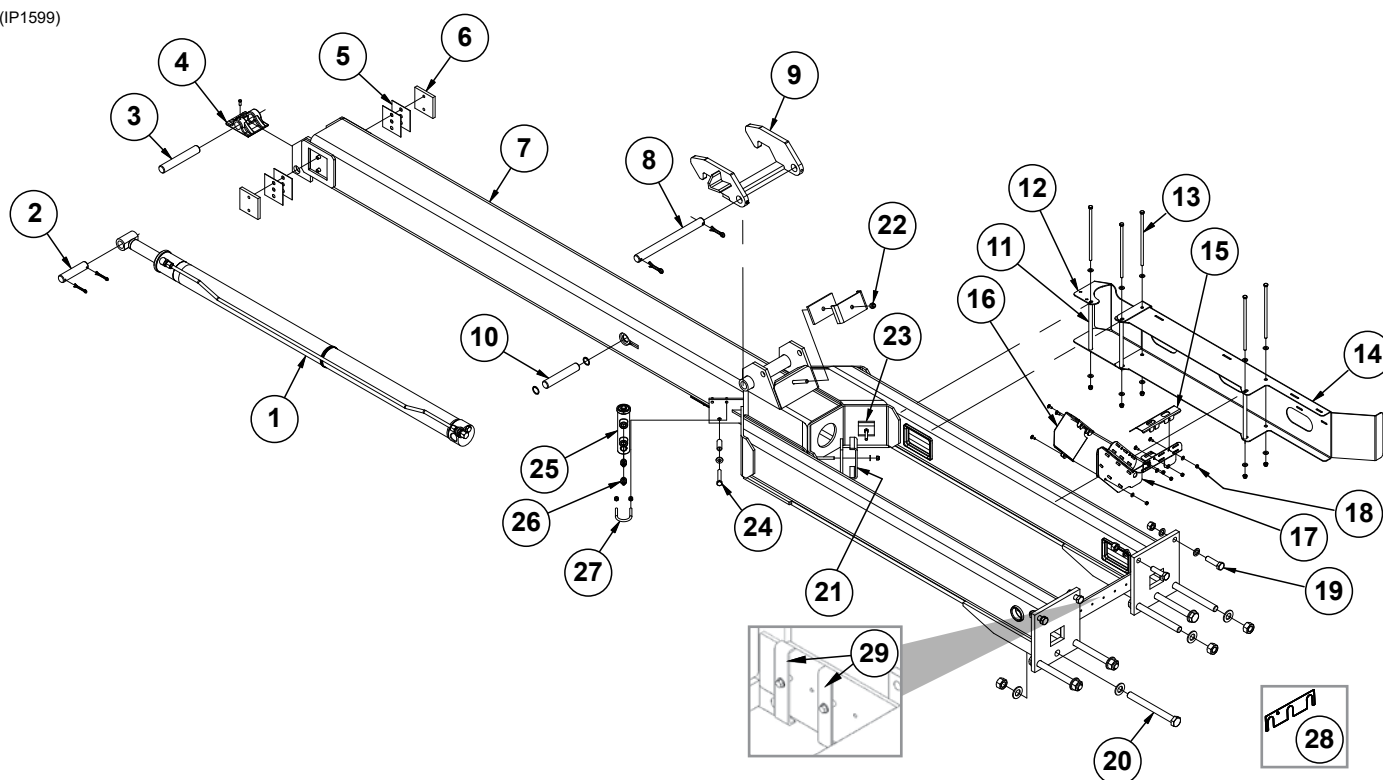
ITEM	PART NO.	QTY.	DESCRIPTION
1	G3324-01	1	Safety Chain, 13MM Grade 70, 97½"
2	GD35339	1	Looped Tether W/Tabs and Cotter Pin
3	G10671	1	Hairpin Cotter, ⅜" x 3¼"
4	G11874	1	Hex Socket Head Cap Screw, ¼"-20 x ½"
5	GD35127	1	Single Chain Latch
6	GD35340	1	Chain Latch Pin
7	G10007	1	Hex Head Cap Screw, ⅝"-11 x 1½"
8	G11391	2	Flat Washer, ⅝" SAE
9	G10107	1	Lock Nut, ⅝"-11
10	G10108	1	Lock Nut, ⅝"-16
11	GD8893-07	1	Sleeve, 1" Long
12	G10047	1	Hex Head Cap Screw, ⅝"-16 x 1¾"
13	G10210	2	Washer, ⅝" USS
14	G11290	1	Hex Head Cap Screw, 1¼"-7 x 5"
	G10157	1	Lock Nut, 1¼"-7
	G11396	7	Flat Washer, 1¼" SAE
A	G9978X	-	⅝" Transport Safety Chain Package (Items 1-13)

(IP1012)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA13665	1	Hitch Pivot
2	GA13783	1	Pivot Mount
3	G10169	2	Hex Head Cap Screw, 1 1/4"-7 x 6"
	G10157	2	Lock Nut, 1 1/4"-7
4	GA12163	1	Pin, 13 3/8"
	GD15725	1	Washer, 4" O.D. x 2 1/4" I.D. x 1/4"
5	GD17245	1	Washer, 4" O.D. x 1 1/32" I.D. x 3/8"
	G11223	1	Hex Head Cap Screw, 1"-8 x 2"
	G10118	1	Lock Washer, 1"
6	GD15100	1	Pivot Lock
	G11391	1	Flat Washer, 5/8" SAE
	G10005	1	Hex Head Cap Screw, 7/8"-11 x 1 3/4"
7	GD16226	1	Sleeve, 3" O.D. x 1 25/32" x 29/32" Thick
	GD16303	2	Washer, 3" O.D. x 1 25/32" x 1/4" Thick
8	GA13673	1	Pivot Pin
9	GA11079	2	Hammer Strap, Category 3 And 3N
	G10007	2	Hex Head Cap Screw, 5/8"-11 x 1 1/2"
	G10230	2	Lock Washer, 5/8"
10	GA12164	1	Hitch Bar
11	GD19468	1	Tapped Bar
12	G10034	2	Hex Head Cap Screw, 3/8"-16 x 1 1/2"

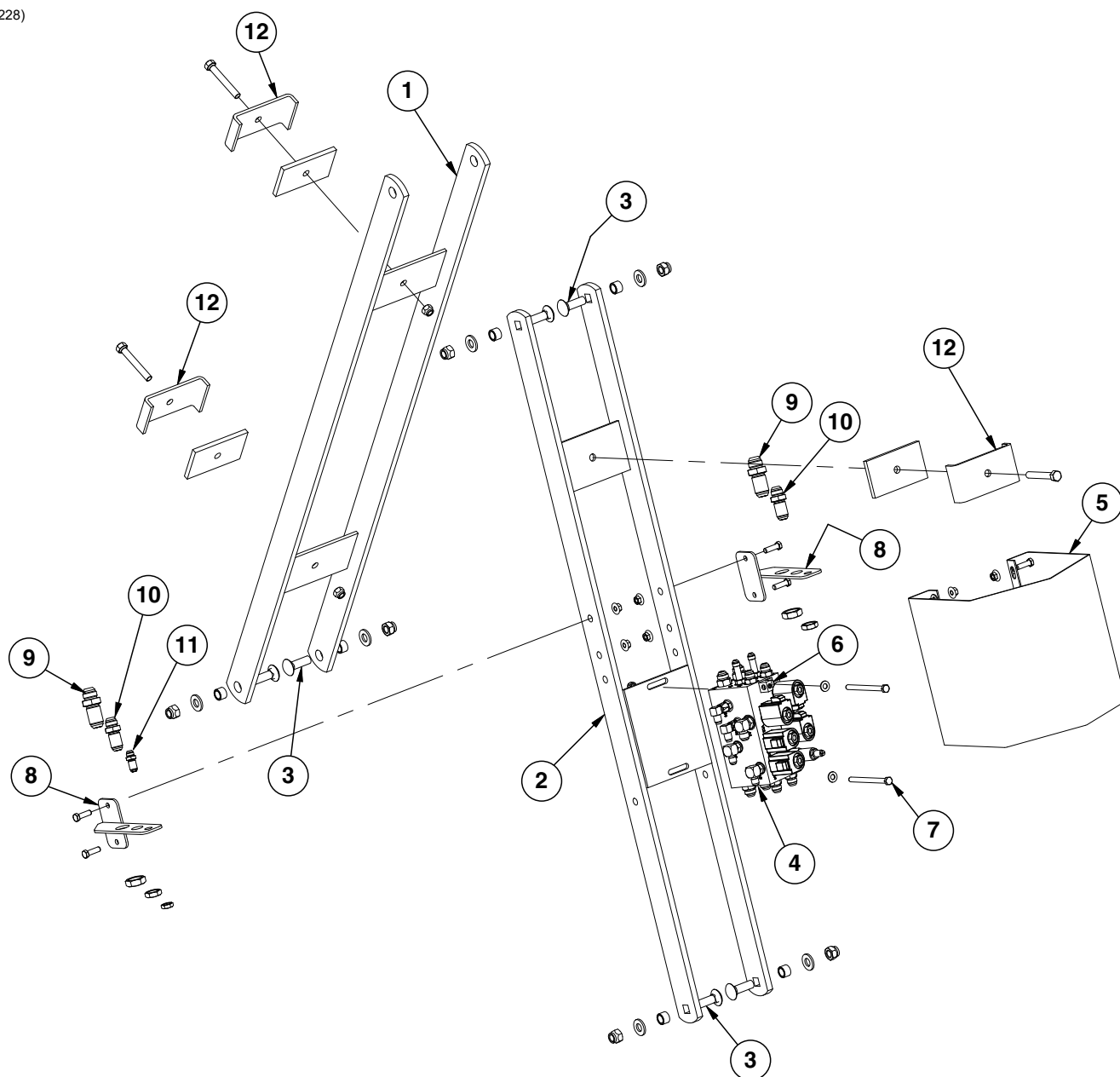
(IP1599)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA13938 GA13954	1 -	See "Tongue Cylinder" on page P179 (12 Row) See "Tongue Cylinder" on page P179 (16 Row)
2	GD0826 G10460	1 4	Pin, 1¼" x 5½" Cotter Pin, ¼" x 2"
3	GD3537-11 GD3537-12	1	Shaft, 1¼" x 7", 12 Row 30" Shaft, 1¼" x 8", 16 Row 30"
4	GB0246 G10131	1 1	Hitch Shoe Square Head Set Screw, ⅝"-18 x ¾"
5	GD5154	4	Shim, 4" x 4"
6	GD9959 G10014 G10017 G11389	2 4 4 4	Wear Pad, Nylatron, 4" x 4" Hex Head Cap Screw, ½"-13 x 1", 12 Row 30" Hex Head Cap Screw, ½"-13 x 1½", 16 Row 30" Flat Washer, ½" SAE
7	A14309 A14307 A17087	1 - -	Inner Hitch, 175⅜", 12 Row 30" (Shown) (Non-Stock Item) Inner Hitch, 205⅜", 16 Row 30" (Non-Stock Item) Inner Hitch, 205⅜", 16 Row 7.5" Twin Row (Non-Stock Item)
8	GD5804 GD7883 G10468	1 1 2	Pin, 1¼" x 12", 12 Row Pin, 1¼" x 14½", 16 Row Cotter Pin, ⅜" x 2"
9	GA7424 G10641	1 -	Tongue Hook W/Grease Fittings Grease Fitting, ⅛" NPT Grease Fitting, ⅛" NPT (Included W/GA7424)
10	GD3537-20 G11230	1	Shaft, 1¼" x 7⅝" Retaining Ring
11	G10091301	3	Sleeve, ⅞" O.D. x .433 I.D. x 8.688"
12	G10091001	1	Debris Shield
13	G10595 G11387 G10108	4 10 4	Hex Head Cap Screw, ⅜"-16 x 10", Grade 5 Flat Washer, ⅜" SAE Lock Nut, ⅜"-16
14	G10090901	1	Harness Channel

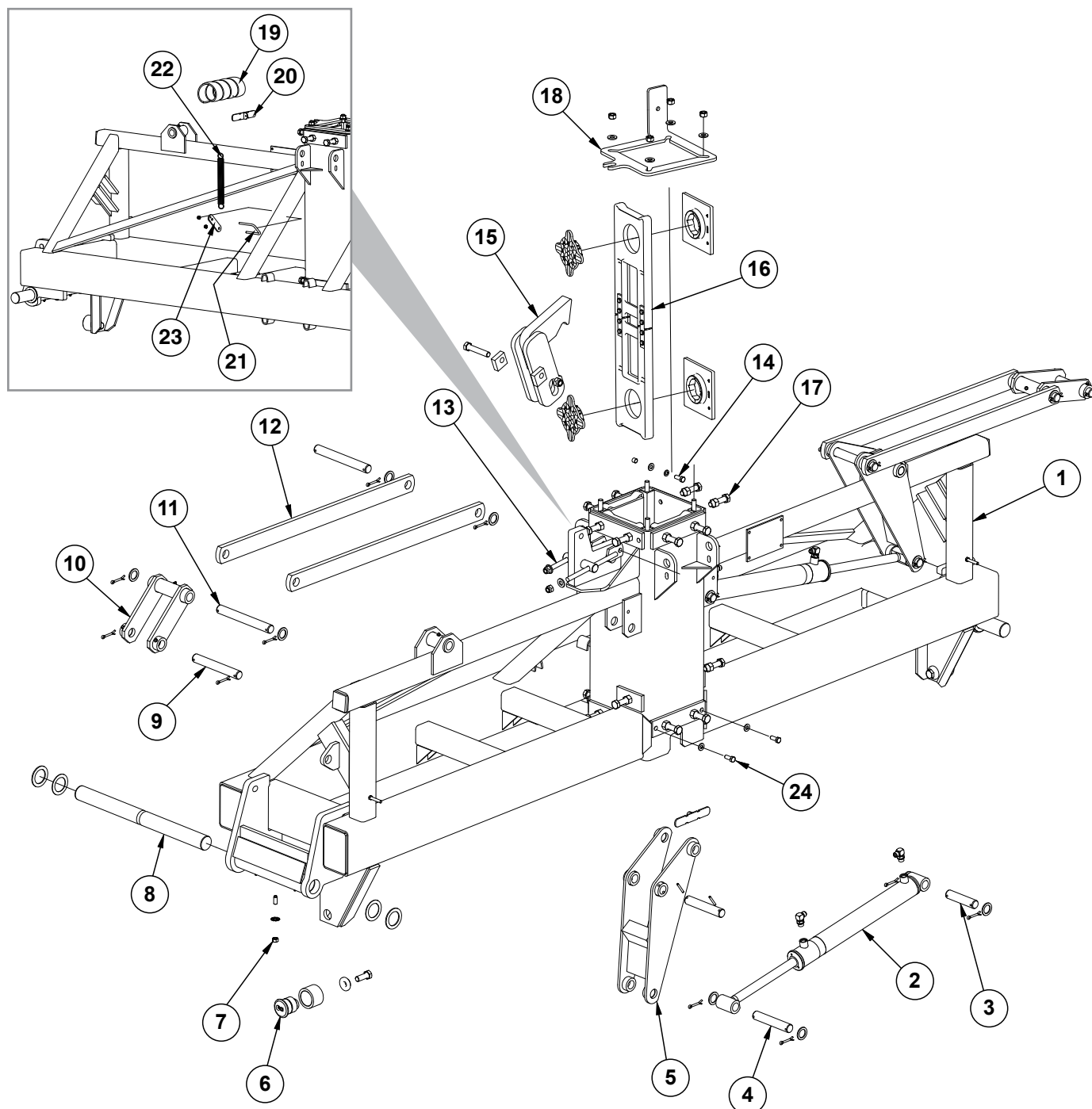
ITEM	PART NO.	QTY.	DESCRIPTION
15	G10091201	1	Center Cover
16	G10090801	1	Diagonal Harness Cover
17	G10091101	1	Center Frame Electric Plate
18	G10103	5	Hex Nut, 1/4"-20
	G11385	5	Flat Washer, 1/4" SAE
	G10309	5	Carriage Bolt, 1/4"-20 x 5/8", Grade 5
19	G10124501	4	Hex Head Cap Screw, 3/4"-10 x 2 3/4", Grade 8
	GD2169	8	Special Washer, 25/32" I.D. x 1 1/4" O.D., Hardened
	G10436	4	Hex Nut, 3/4"-10
20	G10808	6	Hex Head Cap Screw, 1"-8 x 10", Grade 8
	G11394	12	Flat Washer, 1" SAE
	G10647	6	Hex Nut, 1"-8, Grade 8
21	GD8188	1	Hose Clamp, 7/8" x 3" x 5 3/8"
	GD8189	1	Rubber Strip, 3/8"
	G11387	1	Flat Washer, 3/8" SAE
	G10108	2	Lock Nut, 3/8"-16
22	G10111	1	Lock Nut, 1/2"-13
	GD8188	1	Hose Clamp, 7/8" x 3" x 5 3/8"
	GD8189	1	Rubber Strip, 3/8"
23	GD5875	1	Hose Clamp, 9/16" x 2 1/2" x 2"
24	G10585	1	Hex Head Cap Screw, 1/2"-13 x 3 1/4"
	G11389	1	Flat Washer, 1/2" Plated SAE
	GD10538-01	1	Sleeve
	G11091	2	Serrated Flange Nut, 3/8"-16
	G10071	1	Serrated Flange Nut, 1/2"-13
25	GA9205	1	See "Tongue Lock Cylinder" on page P177
26	6400-06-08	2	Connector W/O-Ring, 9/16"-18 Male JIC To 3/4"-16 O-Ring
	GR1037	-	O-Ring
27	GD10530	1	U-Bolt, 2 1/8" x 1 7/8" x 3/8"-16
	G10101	2	Hex Nut, 3/8"-16
28	GD13544	2	Shim, 2 1/2" x 10", 10 Gauge (.1345")
29	G11015101	2	Hose Clamp
	GD11963-07	2	Sleeve, 1/2" O.D. x .384" I.D. x 1"
	G11387	2	Flat Washer, 3/8" SAE
	G10047	2	Hex Head Cap Screw, 3/8"-16 x 1 3/4"

(IP1228)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA14322	-	Front Hose Take-Up, 41", 12 Row 30"
	GA14515	1	Front Hose Take-Up, 56", 16 Row 30" (Shown)
2	GA14323	-	Rear Hose Take-Up, 41", 12 Row 30"
	GA14514	1	Rear Hose Take-Up, 56", 16 Row 30" (Shown)
3	G10689	6	Carriage Bolt, 5/8"-11 x 2"
	GB0218	6	Bushing, 2 1/32" I.D. x 7/8" O.D. x 1 9/32" Long
	G11391	6	Flat Washer, 5/8" SAE
	G10107	6	Lock Nut, 5/8"-11
4	---	1	See "Valve Block - Located on Hitch" on page P187
5	GD9952	1	Cover
	G10004	8	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G11091	8	Serrated Flange Nut, 3/8"-16
6	GA3584	1	Ground Clamp
7	G10172	2	Hex Head Cap Screw, 3/8"-16 x 5"
	G11387	6	Flat Washer, 3/8" SAE
	G10108	2	Lock Nut, 3/8"-16
8	GA14519	2	Hose Take-Up Bulk Head
	G10004	4	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G11091	4	Serrated Flange Nut, 3/8"-16
9	G2700-12	2	Bulkhead Tube Union, 1 1/16"-12 Male JIC
	G306-12	2	Lock Nut, 1 1/16"-12
10	G2700-10	2	Bulkhead Tube Union, 7/8"-14 Male JIC
	G306-10	2	Lock Nut, 7/8"-14
11	G2700-06-06	2	Bulkhead Tube Union, 9/16"-18 Male JIC
	G306-06	1	Lock Nut, 9/16"-18
12	GD8188	3	Hose Clamp, 7/8" x 3" x 5 3/8"
	GD8189	3	Rubber Pad
	G11170	3	Hex Head Tap Bolt, 1/2"-13 x 3 1/2"
	G10111	3	Lock Nut, 1/2"-13

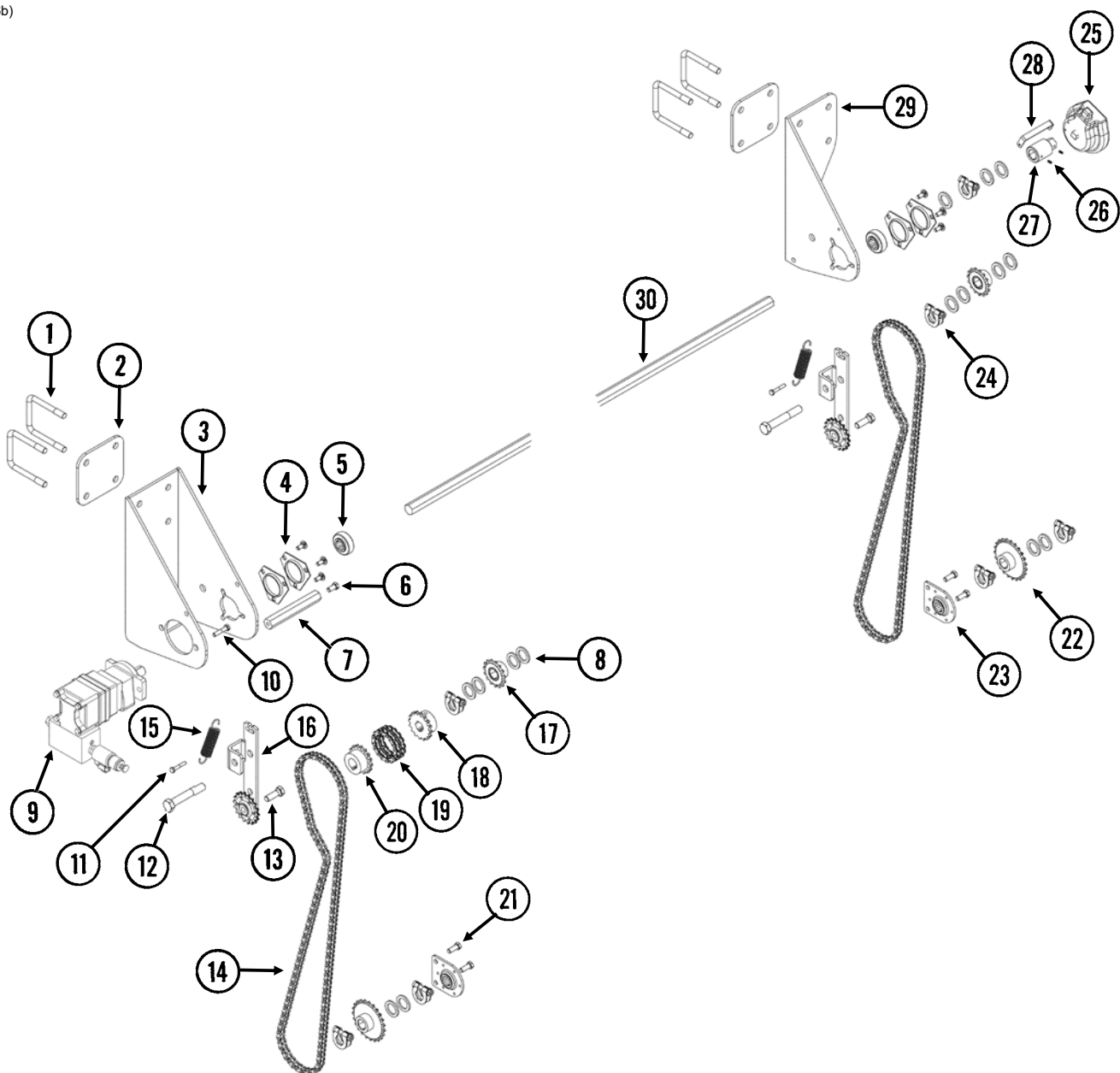
(IP1229)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA14939	1	Center Frame W/Cam Follower Mounts (Non-Stock Item)
	GA6929	-	Cam Follower Mount, L.H. (Included W/GA14939)
	GA6928	-	Cam Follower Mount, R.H. (Included W/GA14939)
2	GA21115	2	See "Wing Lock Cylinder" on page P176
	G6801-08	4	Elbow W/O-Ring, 90°, 3/4"-16 Male JIC To O-Ring
3	GD0826	2	Pin, 1 1/4" x 5 1/2"
	G10159	4	Washer, 1 7/8"
	G10460	4	Cotter Pin, 1/4" x 2"

ITEM	PART NO.	QTY.	DESCRIPTION
4	GD9955	2	Pin, 1¼" x 7"
	G10460	4	Cotter Pin, ¼" x 2"
	G10159	4	Washer, 1⅞"
5	GA7019	2	Toggle Link
	GD9955	2	Pin, 1¼" x 7"
	G10606	4	Spring Pin, ¼"x 2"
6	GA6497	2	Cam Follower W/Grease Fitting
	G10640	-	Grease Fitting, ¼"-28 (Included W/GA6497)
	GD10532	2	Sleeve
	GB0409	2	Spring Washer
	G10026	2	Hex Head Cap Screw, ¾"-10 x 2"
7	G10102	2	Hex Nut, ½"-13
	G10527	2	Lock Washer, ½" Internal/External
	G10828	2	Hex Socket Set Screw, ½"-13 x 1¼"
8	GD10531	2	Hinge Pin, 2⅞" x 25¾"
	G10336	4	Machine Bushing, 2⅞", 14 Gauge (As Required)
	G10234	4	Machine Bushing, 2⅞", 10 Gauge (As Required)
9	GD9963	2	Pin, 1¼" x 9"
	G10460	4	Cotter Pin, ¼" x 2"
10	GA7018	2	Link
11	GD9964	2	Pin, 1¼" x 10½"
	G10460	4	Cotter Pin, ¼" x 2"
	G10159	4	Washer, 1⅞"
12	GD9956	4	Wing Link Bar, 39⅞"
	GD9964	2	Pin, 1¼" x 10½"
	G10460	4	Cotter Pin, ¼" x 2"
	G10159	4	Washer, 1⅞"
13	GA6943	2	Spring Rod
	GD9870	1	Pin, 1¼" x 6"
	GD9898	1	Pin, 1¼" x 2⅝"
	GD10006	2	Spring
	G11391	2	Flat Washer, ⅝" SAE
	G10107	2	Lock Nut, ⅝"-11
14	G10037	2	Hex Head Cap Screw, ½"-13 x 1¼"
	G10228	2	Lock Washer, ½"
	G11389	2	Flat Washer, ½" SAE
	GD7904-02	2	Sleeve, ½" x ½" Long
15	GA7390	1	Safety Hook
	GD10492	2	Adjustment Block
	G10044	1	Hex Head Cap Screw, ¾"-10 x 4"
	G10112	1	Lock Nut, ¾"-10
16	GA7579	4	Pad Holder W/Bars
	GB0867	4	Wear Pad
	G10851101	4	Retainer Wear Pad
17	G10543	16	Hex Head Cap Screw, ¾"-10 x 3", Full Thread
	G10105	-	Hex Nut, ¾"-10
18	GD9968	1	Cap
	G11391	4	Flat Washer, ⅝" SAE
	G10104	4	Hex Nut, ⅝"-11
19	GD19383-02	1	Hose Wrap, 40"
20	GA13934	1	Hose Anchor
21	GD19212	1	U-Bolt, 2½" x ⅜"-16
	G11091	2	Serrated Flange Nut, ⅜"-16
22	GD0829	1	Spring
23	GD20696	1	Hose Anchor
24	G10716	4	Hex Head Cap Screw, ¾"-10 x 1"
	G11392	4	Flat Washer, ¾" SAE

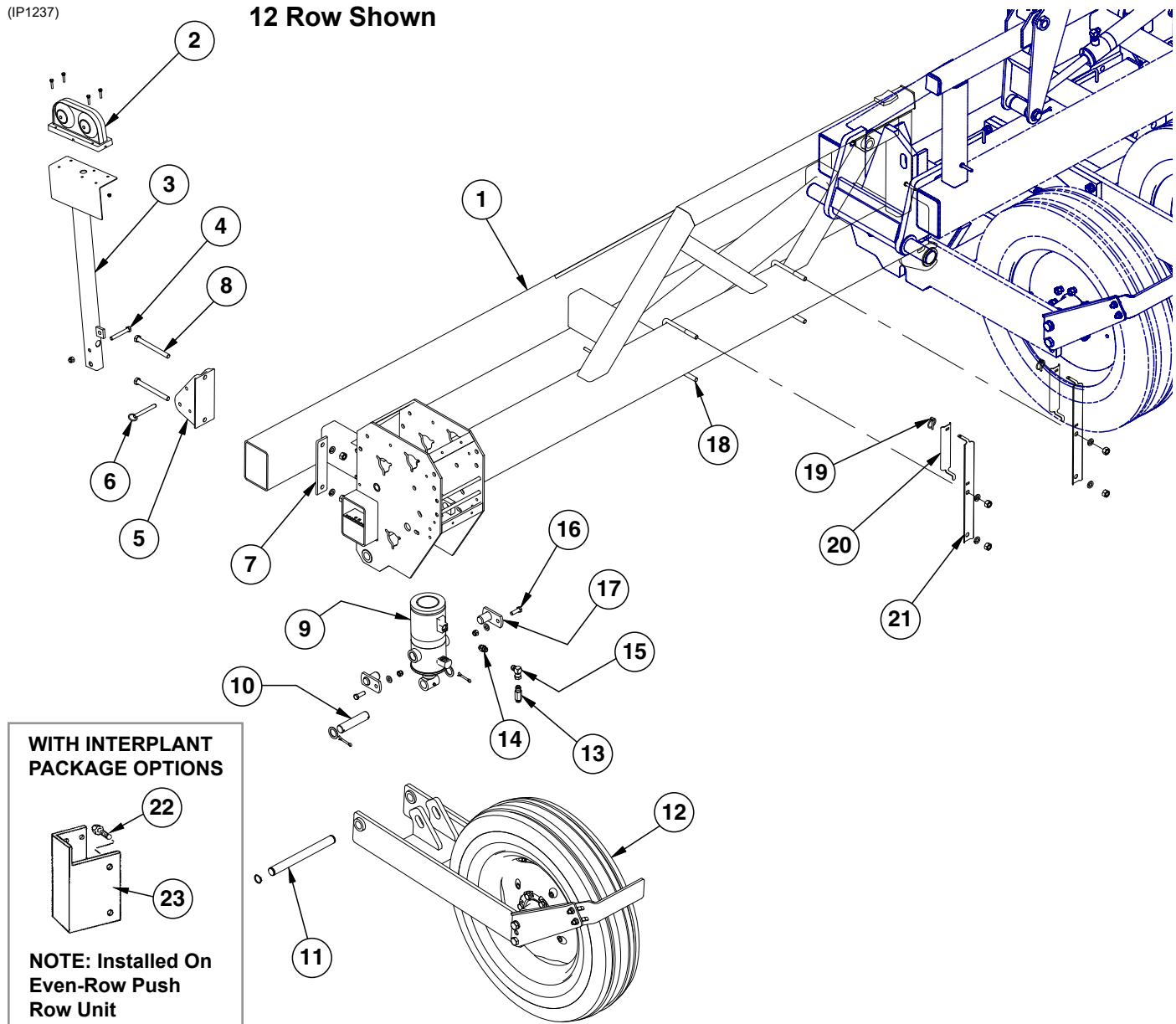
(VI56b)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GD4743	4	U-Bolt, 3" x 3" x 1/2"-13
	G10228	8	Lock Washer, 1/2"
	G10102	8	Hex Nut, 1/2"-13
2	GD18114	2	Spacer Plate
3	GA12569	1	Motor Bracket
4	G3400-01	4	Flangette
5	G2100-03	2	Bearing, 7/8" Hex Bore, Spherical
6	G10002	2	Hex Head Cap Screw, 3/8"-16 x 3/4"
7	GD18326	1	Hex Spacer
8	G10233	15	Machine Bushing, 1", 10 Gauge
9	---	-	See "Hydraulic Motor Assembly" on page P191
10	G10133	2	Hex Head Cap Screw, 5/16"-18 x 1 1/2"
	G10232	2	Lock Washer, 5/16"
	G10106	2	Hex Nut, 5/16"-18
11	G10021	2	Hex Head Cap Screw, 1/4"-20 x 1 1/2"
	G10110	2	Lock Nut, 1/4"-20, Grade B
12	G10036	2	Hex Head Cap Screw, 5/8"-11 x 4"
	G10103	2	Hex Nut, 1/4"-20
13	G10017	2	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
	G10102	2	Hex Nut, 1/2"-13
14	G3310-84	2	Chain, No. 40, 84 Pitch Including Connector Link
	GR0912	-	Connector Link, No. 40
15	GD5857	2	Spring
16	GA9553	2	Idler W/Sprocket And Hardware
	GA7154	2	Sprocket W/Bearing, 19 Tooth (Included W/GA9553)
	G10017	2	Hex Head Cap Screw, 1/2"-13 x 1 1/2" (Included W/GA9553)
	G10128	2	Machine Bushing, 1/2", 14 Gauge (Included W/GA9553)
	G10501	2	Hex Jam Nut, 1/2"-13, Grade 2 (Included W/GA9553)
	GD13422	2	Idler Arm (Included W/GA9553)
17	GA5105	2	Sprocket, 15 Tooth
18	GD16490	2	Coupler, 1" I.D.
19	G3317-16	1	Chain, Double No. 40, 16 Pitches
	GR1790	-	Connector Link, Double No. 40
20	GD16489	1	Coupler, 7/8" Hex
21	G10001	4	Hex Head Cap Screw, 3/8"-16 x 1"
	G10101	4	Hex Nut, 3/8"-16
22	GA5108	2	Sprocket, 23 Tooth (Mechanical)
	GA5114	2	Sprocket, 30 Tooth (Vacuum)
23	GA2180	2	Hanger Bearing, 7/8" Hex Bore
24	GA11331	-	Hex Lock Clamp Assembly
25	GA12565	1	Encoder Module
26	G11242	2	Hex Socket Set Screw, 1/4"-20 x 3/8"
27	GA12661	1	Hex Adapter Encoder
28	GD18115	1	Encoder Bracket
29	GD18014	1	Carrier Bracket
30	GD0914-54.75	1	Hex Shaft, 7/8" x 54 3/4" (No Holes)

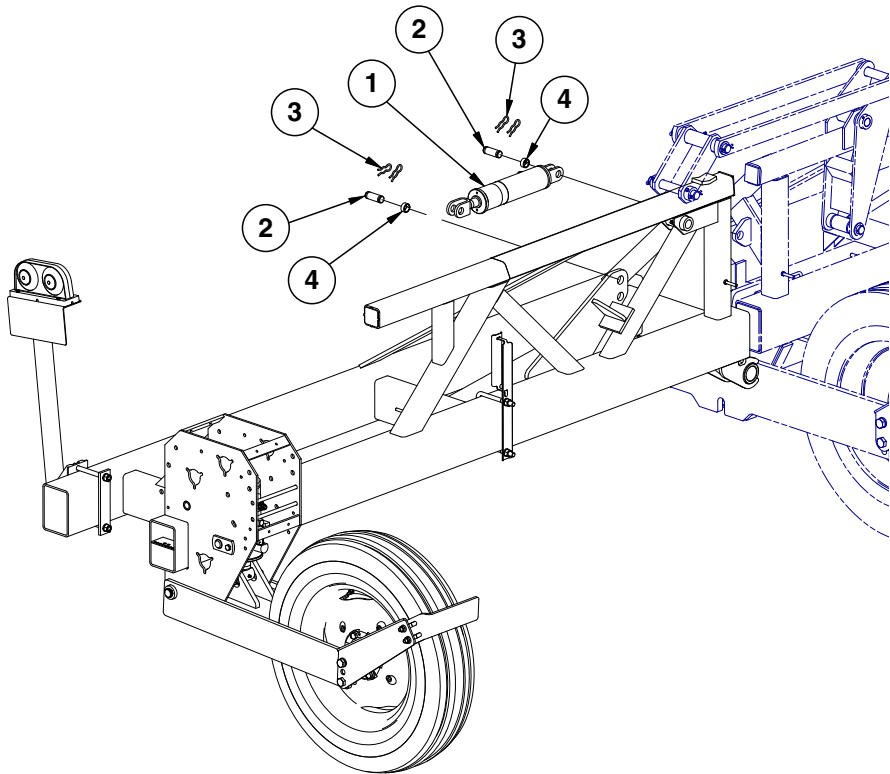
(IP1237)

12 Row Shown



ITEM	PART NO.	QTY.	DESCRIPTION
1	A14935	1	Wing, L.H., 119¼", 12 Row 30" (Non-Stock Item)
	A14936	-	Wing, R.H., 119¼", 12 Row 30" (Non-Stock Item)
	A14938	-	Wing, R.H., 179¼", 16 Row 30" (Two Wheel Towers Per Wing) (Non-Stock Item)
	A14937	-	Wing, L.H., 179¼", 16 Row 30" (Two Wheel Towers Per Wing) (Non-Stock Item)
2	---	-	See "Electrical Components" on page P205
	G10064	4	Hex Head Cap Screw, ¼"-20 x 1"
	G10110	4	Lock Nut, ¼"-20, Grade B
3	GA9840	1	Light Bracket
4	G10033	1	Hex Head Cap Screw, ½"-13 x 3½"
	G10111	3	Lock Nut, ½"-13
5	GB0309	1	Light Mount Bracket
6	G10874	1	Detent Pin, ½" x 3½" Grip
7	GD18628	1	Mounting Bracket
8	G10439	2	Hex Head Cap Screw, ⅝"-11 x 7"
	G10230	2	Lock Washer, ⅝"
	G10104	2	Hex Nut, ⅝"-11
9	---	-	See "Wing Lift Cylinder, 12 Row" on page P171
	---	-	See "Wing Lift Cylinder, 16 Row" on page P172
10	GD5841	1	Pin, 1¼" x 5⅝"
	G10159	2	Machine Bushing, 1¼", 10 Gauge
	G10460	2	Cotter Pin, ¼" x 2
11	---	-	See "Ground Drive Wheel" on page P133
12	---	-	See "Ground Drive Wheel" on page P133
13	G6400-L-08	1	Long Connector W/O-Ring, ¾"-16 Male JIC To O-Ring
	GR1037	-	O-Ring
14	6400-08	1	Connector W/O-Ring, ¾"-16 Male JIC To O-Ring
	GR1037	-	O-Ring
15	G6500-08	1	Swivel Elbow, 90°, ¾"-16 Male JIC To Female
16	G10017	2	Hex Head Cap Screw, ½"-13 x 1½"
	G11389	2	Flat Washer, ½" SAE
	G10111	2	Lock Nut, ½"-13
17	GA14359	2	Cylinder Pin
18	GD1113	2	U-Bolt, 5" x 7" x ⅝"-11
	G10230	4	Lock Washer, ⅝"
	G10104	4	Hex Nut, ⅝"-11
19	GD2558	2	Lynch Pin, ¼"
20	GD20595	2	Short Hose Holder Mount
21	GD20593	2	Long Hose Holder Mount
22	G10001	2	Hex Head Cap Screw, ⅜"-16 x 1"
	G10229	2	Lock Washer, ⅜"
	G10101	2	Hex Nut, ⅜"-16
23	GD34922	1	Push Row Unit Light Bracket
A	G7698X	-	Push Row Unit Mounted Light Bracket Package (Items 22 And 23 On This Page And 42" Harness Extension, Item 5 On page P216)

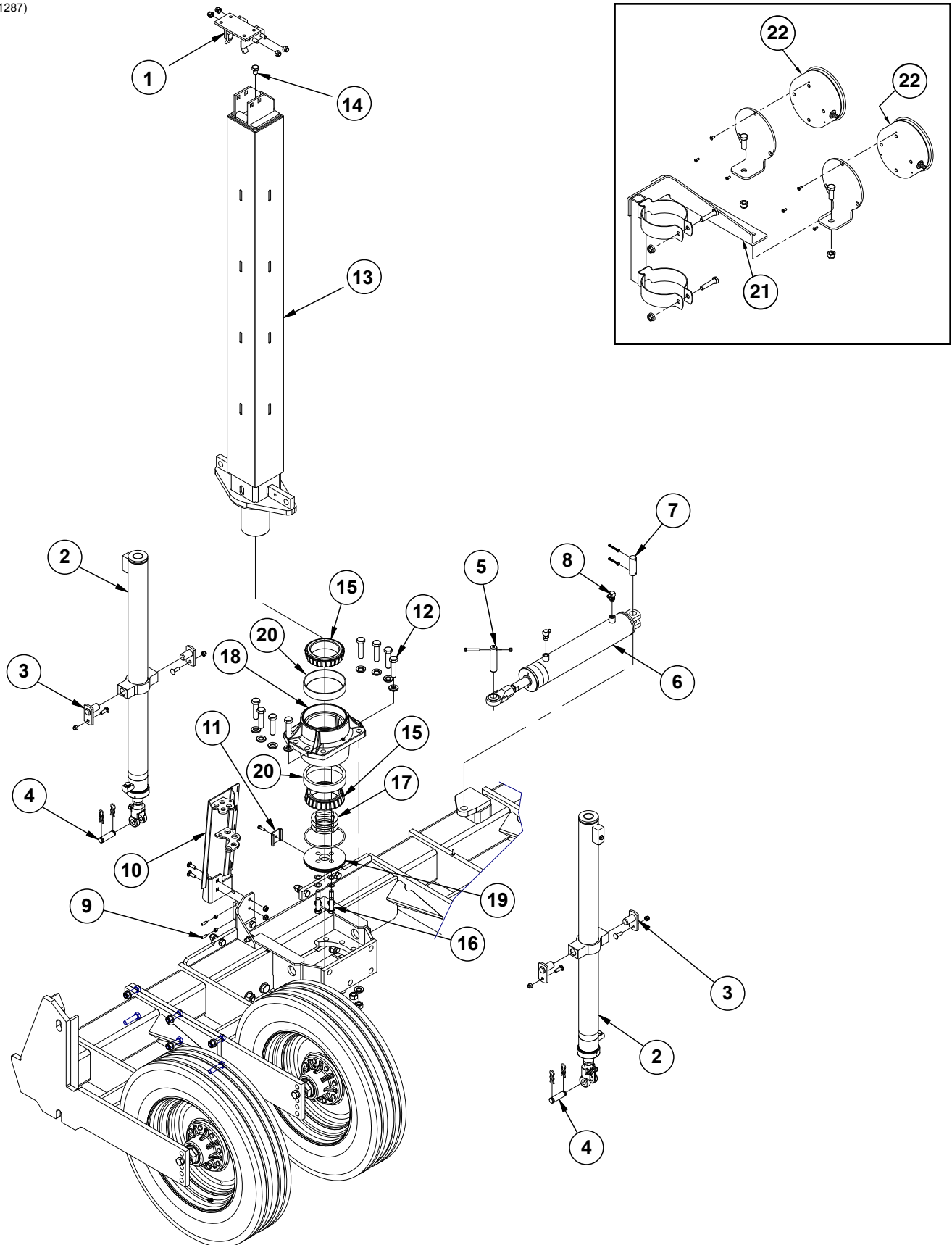
(IP1318)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA14481	2	See “Wing Down Pressure Cylinder” on page P178
2	GR0367	6	Pin, 1" x 27⁄8"
3	GR0193	12	Hair Pin Clip
4	GD18663	6	Tension Bushing, 1" I.D.

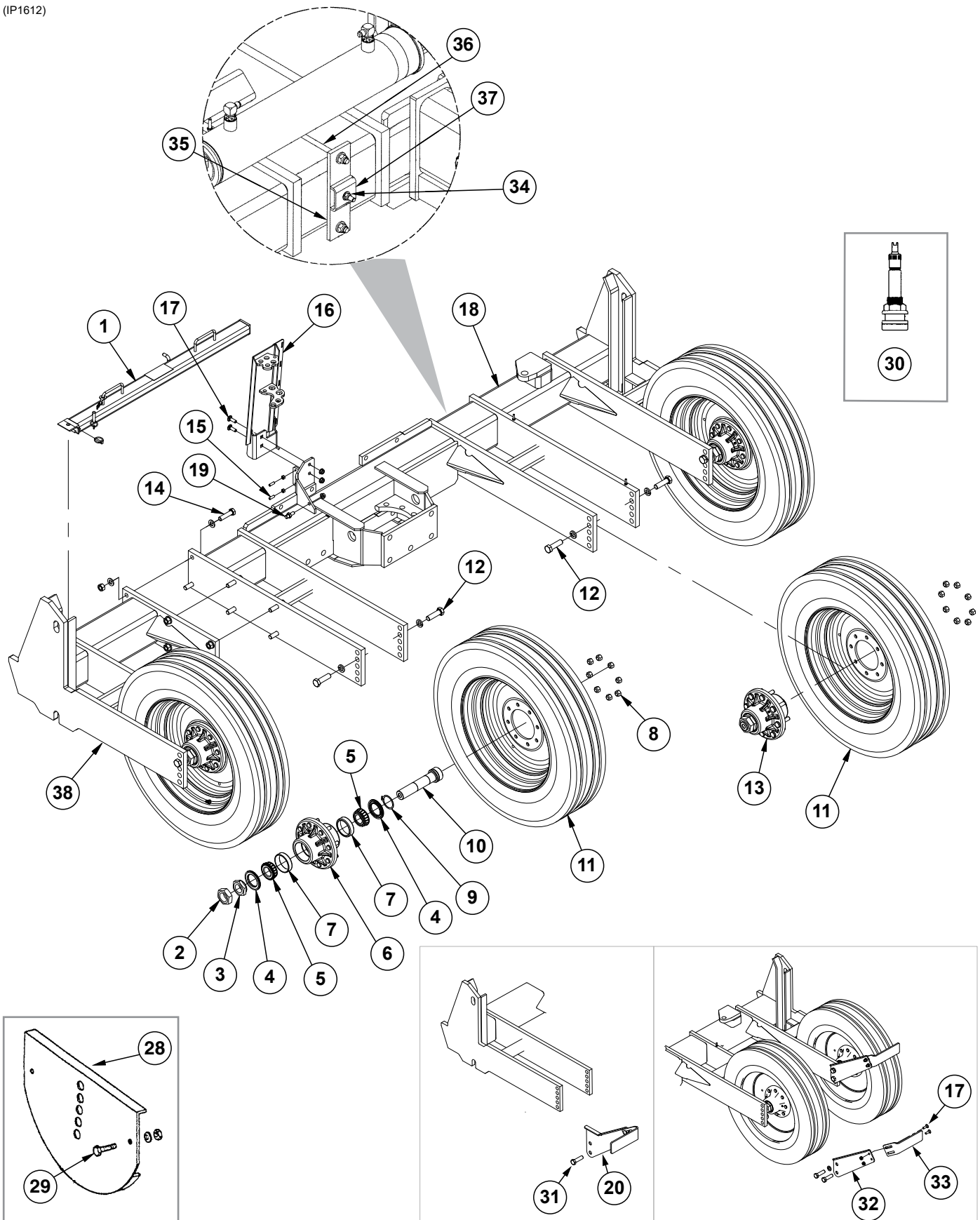
This page left blank intentionally.

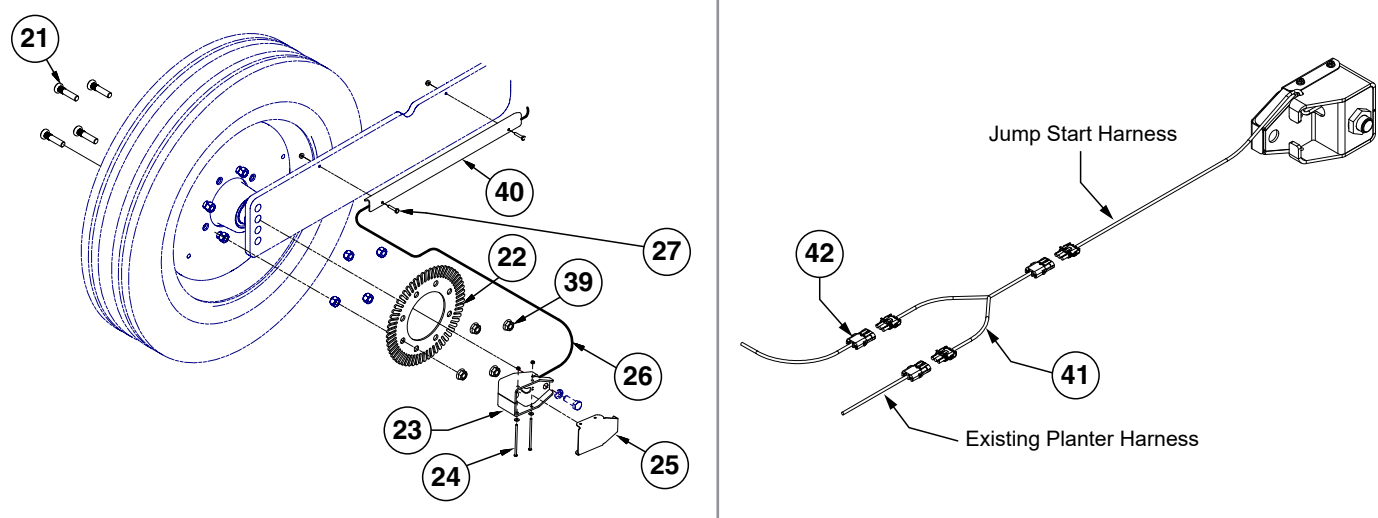
(IP1600/IP1287)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10068	4	Hex Head Cap Screw, $\frac{5}{8}$ "-11 x 6"
	G10107	6	Lock Nut, $\frac{5}{8}$ "-11
	GD10446	1	Inner Sleeve, $3\frac{1}{4}$ "
	GD10447	1	Outer Sleeve, $3\frac{3}{8}$ "
	GA6964	1	Hook Strap
2	GA21813	2	See "Center Lift Cylinder" on page P173 (12 Row)
	GA21627	-	See "Center Lift Cylinder" on page P173 (16 Row)
3	GA5121	4	Pin, $2\frac{1}{8}$ "
	G10636	4	Carriage Bolt, $\frac{1}{2}$ "-13 x $1\frac{1}{2}$ "
	G10111	4	Lock Nut, $\frac{1}{2}$ "-13
4	GR0375	2	Pin, 1" x $3\frac{1}{2}$ "
	GR0193	4	Hair Pin Clip
5	GD10092	1	Pin, $1\frac{1}{4}$ " x $5\frac{1}{4}$ "
	G10049	1	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $2\frac{1}{2}$ "
	G10108	3	Lock Nut, $\frac{3}{8}$ "-16
6	GA8904	1	See "Rotation Cylinder" on page P170
	G6801-06-08	2	Elbow W/O-Ring, 90°, $\frac{9}{16}$ "-18 Male JIC To $\frac{3}{4}$ "-16 O-Ring
	GR1037	1	O-Ring
7	GD10064	1	Pin, $1\frac{1}{4}$ " x $5\frac{1}{4}$ "
	G10460	4	Cotter Pin, $\frac{1}{4}$ " x 2"
8	G6801-06-08	2	Elbow W/O-Ring, 90°, $\frac{9}{16}$ "-18 Male JIC To $\frac{3}{4}$ "-16 O-Ring
	GR1037	-	O-Ring
9	G10806	2	Hex Set Screw, $\frac{3}{8}$ "-16 x $1\frac{1}{4}$ "
	G10101	2	Hex Nut, $\frac{3}{8}$ "-16
10	G10091901	1	Bulkhead Mount
	G10636	2	Carriage Bolt, $\frac{1}{2}$ "-13 x $1\frac{1}{2}$ "
	G10071	11	Serrated Flange Nut, $\frac{1}{2}$ "-13
11	GD5875	1	Hose Clamp, $\frac{9}{16}$ " x $2\frac{1}{2}$ " x 2"
	G10004	1	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $1\frac{1}{4}$ "
12	G11131901	8	Hex Head Cap Screw, $\frac{7}{8}$ "-9 x 4", Grade 8
	GD10063	16	Hardened Washer, $\frac{7}{8}$ "
	G11053	8	Hex Nut, $\frac{7}{8}$ "-9, Grade 8
13	GA7540	1	Center Post
14	G10716	1	Hex Head Cap Screw, $\frac{3}{4}$ "-10 x 1"
15	GA7096	2	Cone
16	G10027	4	Hex Head Cap Screw, $\frac{3}{4}$ "-10 x $2\frac{1}{2}$ "
	GD2169	4	Special Washer, $2\frac{5}{32}$ " I.D. x $1\frac{1}{4}$ " O.D., Hardened
17	GD10013	1	Shim, .020" Thick (As Required)
	GD10014	1	Shim, .007" Thick (As Required)
	GD10012	1	Shim, .005" Thick (As Required)
18	GA20687	1	Bearing Housing W/Cups, Less Grease Fitting (Includes Item No. 20)
	G10779	-	Grease Fitting, 90°, $\frac{1}{4}$ "-28
19	GD9636	1	Bearing Cap
	GD9130	1	O-Ring
20	GD10011	2	Cup
21	GA14600	1	Pressure Gauge Mount
	G10060	2	Hex Head Cap Screw, $\frac{5}{16}$ "-18 x $2\frac{1}{2}$ "
	G10620	2	Serrated Flange Nut, $\frac{5}{16}$ "-18
22	---	-	See "Vacuum System" on page P65 See "Bulk Fill Fan System" on page P81

(IP1612)





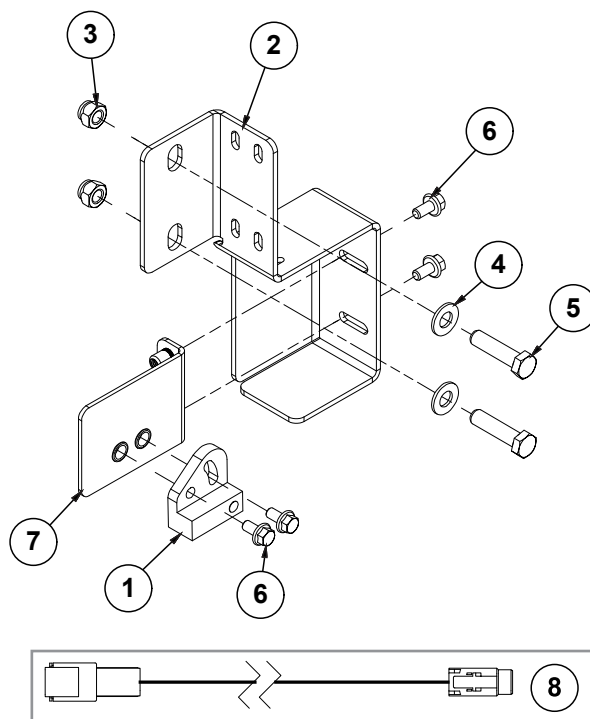
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA7098	1	Manual Safety Lockup W/Detent Pin
	GA7022	1	Detent Pin W/Chain
	GD2558	1	Lynch Pin, 1/4"
2	GD7864	1	Special Hex Nut, 1 3/4"-12 UNF
3	GD7089	1	Special Nut, 1 3/4"-12 UNF
4	GA4722	2	Seal
5	GA4723	2	Bearing
6	G10721201	4	Hub W/Cups, Bolts, Nuts And Grease Fitting, 8 Bolt, 1 3/4" Bore
	GR0528	8	Stud, 5/8"-18 x 2 1/4", Grade 8 (Included W/G10721201)
	G10640	1	Grease Fitting, 1/4"-28 (Included W/G10721201)
7	GD7079	2	Cup (Included W/GA4729 or GA27032)
8	G10825001	8	Lug Nut, 5/8"-18, Grade 8 (Included W/G10721201 or GA27032)
9	G10913	1	External Retaining Ring, 2 1/2"
10	GD11245	1	Spindle Shaft
11	GD13409	-	Tire, 255-70R 22.5" W/O Center Rib, Tubeless (Specify Brand*)
	GA14516	-	Rim, 5.5" x 22.5", All Sizes
12	G10441	8	Hex Head Cap Screw, 7/8"-9 x 3", Grade 8
	G10330	8	Lock Washer, 7/8"
13	GA14521	1	Hub W/Cups (Includes Items 8 and 21)
	G10640		Grease Fitting, 1/4"-28 (Included W/GA14521)
14	G10028	6	Hex Head Cap Screw, 3/4"-10 x 3"
	G11392	12	Flat Washer, 3/4" SAE
	G10105	6	Hex Nut, 3/4"-10
15	G10806	2	Hex Set Screw, 3/8"-16 x 1 1/4"
	G10101	2	Hex Nut, 3/8"-16
16	G10091901	1	Bulkhead Mount
17	G10636	2	Carriage Bolt, 1/2"-13 x 1 1/2"
	G10071	2	Serrated Flange Nut, 1/2"-13
18	GA14981	1	Axle, 12 Row and 16 Row
	GA17903	-	Axle, 16 Row Twin Row
19	GD19655	1	Pin
	G10071	1	Serrated Flange Nut, 1/2"-13
20	GA18105	2	L.H. Long Scraper Arm
	GD34179	1	L.H. Slotted Scraper
21	GD18676	4	Lug Bolt, 5/8"-18 x 2 3/4" (If Applicable)

Continued on the next page.

ITEM	PART NO.	QTY.	DESCRIPTION
22	GD18643	1	Jump Start Wheel (If Applicable)
23	G10012301	1	Jump Start Bracket
24	G10621	2	Serrated Flange Nut, ¼"-20
	G10013101	2	Hex Head Cap Screw, 1/4"-20 x 5-1/2"
	G10209	2	Washer, ¼" USS
25	G10012201	1	Jump Start Sensor Cover
26	GA13204	1	Motion Sensor
27	G10857	2	Hex Head Cap Screw, ¼"-20 x 1 ¼"
	G10621	2	Serrated Flange Nut, ¼"-20
28	GA5716	-	Rock Guard (Optional)
29	G10448	-	Hex Head Cap Screw, 7/8"-9 x 2½", Grade 8
	G10330	-	Lock Washer, 7/8"
	G10955	-	Hex Nut, 7/8"-9
30	GA7434	-	Valve Stem
31	G10441	12	Hex Head Cap Screw, 7/8"-9 x 3", Grade 8
	G10330	12	Lock Washer, 7/8"
	G10955	4	Hex Nut, 7/8"-9
32	GD20457	2	R.H. Long Scraper Arm
33	GD34178	2	R.H. Slotted Scraper
34	G10108	1	Lock Nut, 3/8"-16 (Twin-Row Only)
	G11387	1	Flat Washer, 3/8" SAE (Twin-Row Only)
35	GA17413	1	Mounting Bracket (Twin-Row Only)
36	GD7145	1	U-Bolt, 7" x 7" x ½"-13 (Twin-Row Only)
	G10111	2	Lock Nut, ½"-13 (Twin-Row Only)
	G11389	2	Flat Washer, ½" Plated SAE (Twin-Row Only)
37	GD5875	1	Hose Clamp, 9/16" x 2½" x 2" (Twin-Row Only)
38	GA15453	1	Stub Axle
39	G11254	4	Serrated Flange Nut, 5/8"-18
40	GD18645	1	Cable Guard
41	GA25454	1	Wheel Speed Splitter Harness
42	GA25551	1	Wheel Speed Extension Harness
A	GA14517	-	Tire And Rim Assembly (Items 11 and 30) (Specify Brand*)
B	G10012101	-	Jump Start Bracket Assembly (Items 23 - 26) (If Applicable)
C	GA4727	-	Spindle W/Retaining Ring, 1¾" (Items 10 and 11)
D	GA4736	-	Hub/Spindle Assembly (Items 2-5 and 9-10)

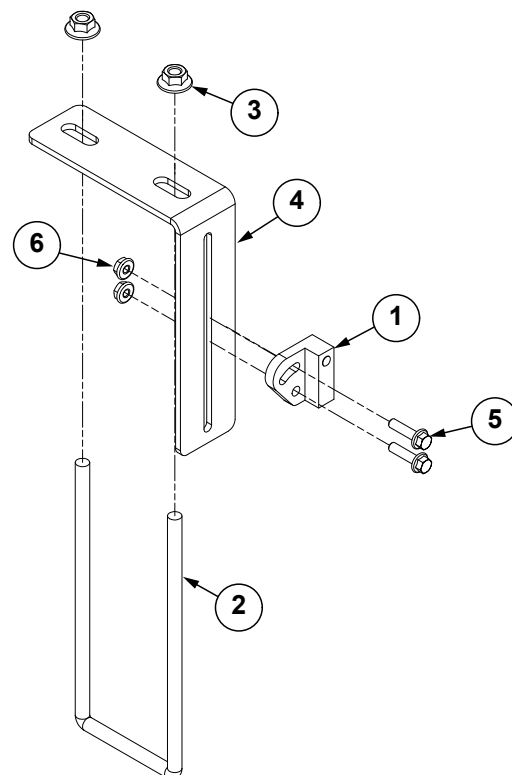
*Specific brand requests will be supplied only as available from current Kinze Repair Parts stock. If a specific brand requested is not in stock, the brand available will be supplied.

ITEM	PART NO.	QTY.	DESCRIPTION
1	GA18353	1	Position Switch Magnetic Reed
2	G10096201	1	Implement Switch Base Bracket
3	G11091	2	Serrated Flange Nut, $\frac{3}{8}$ "-16
4	G11387	2	Flat Washer, $\frac{3}{8}$ " SAE
5	G10003	2	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $1\frac{1}{2}$ "
6	G11409	4	Hex Serrated Flanged Cap Screw, $\frac{1}{4}$ "-20 x 1"
7	G10107501	1	Implement Switch Bracket Assembly
8	G10203601	1	Implement Switch Extension Harness, 130"
A	G10096001	-	Implement Switch Assembly, Items 1-7

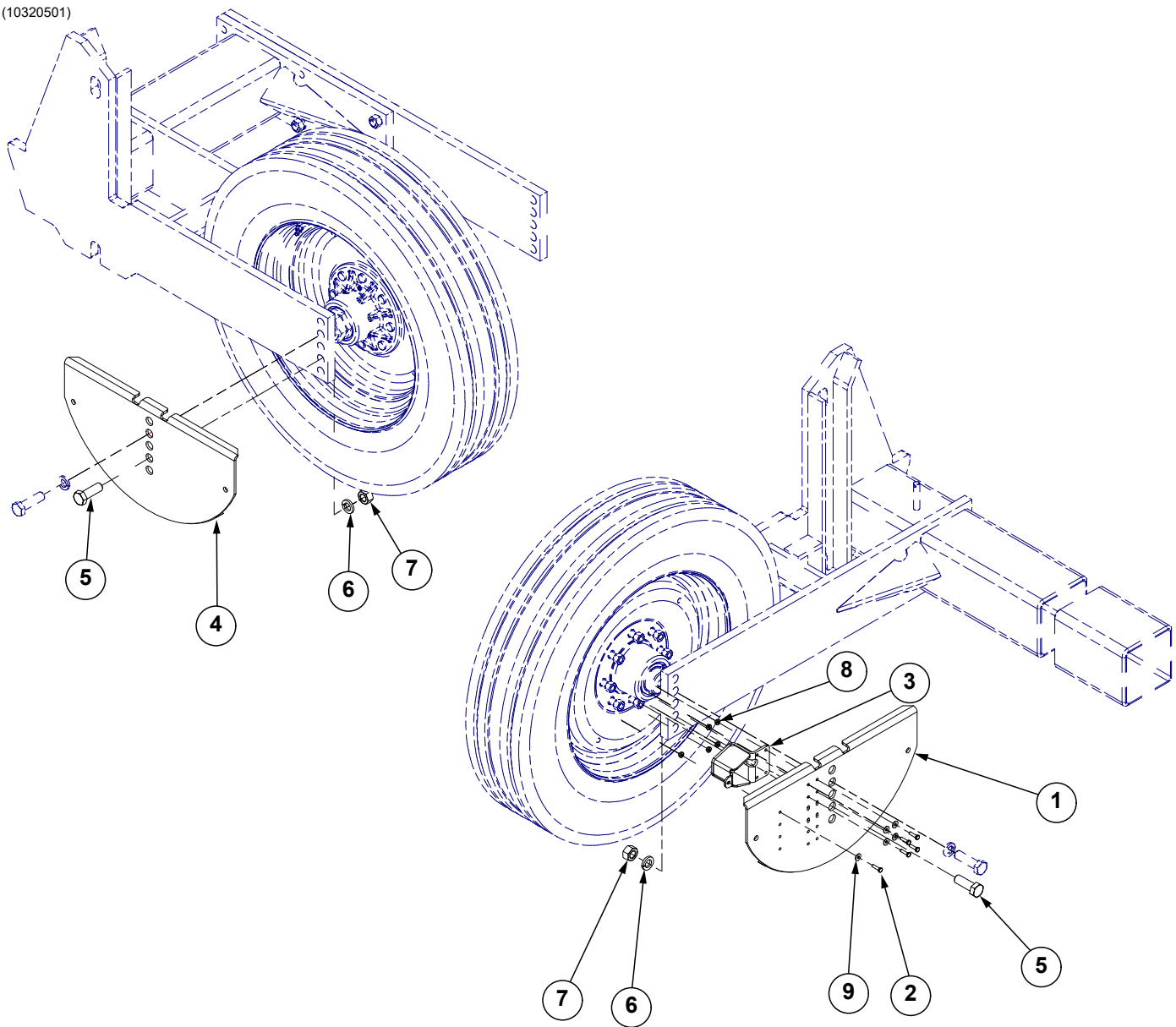


Implement Switch Assembly (2022 Production and On)

ITEM	PART NO.	QTY.	DESCRIPTION
1	GA18353	1	Position Switch Magnetic Reed
2	G10403501	1	U-Bolt, 3" x 8" x $\frac{3}{8}$ "-16
3	G11091	2	Serrated Flange Nut, $\frac{3}{8}$ "-16
4	G10403801	1	Switch Mount Bracket
5	G11409	2	Hex Serrated Flanged Cap Screw, $\frac{1}{4}$ "-20 x 1"
6	G10621	2	Serrated Flange Nut, $\frac{1}{4}$ "-20
A	G10404901	-	Implement Switch Assembly, Items 1-6



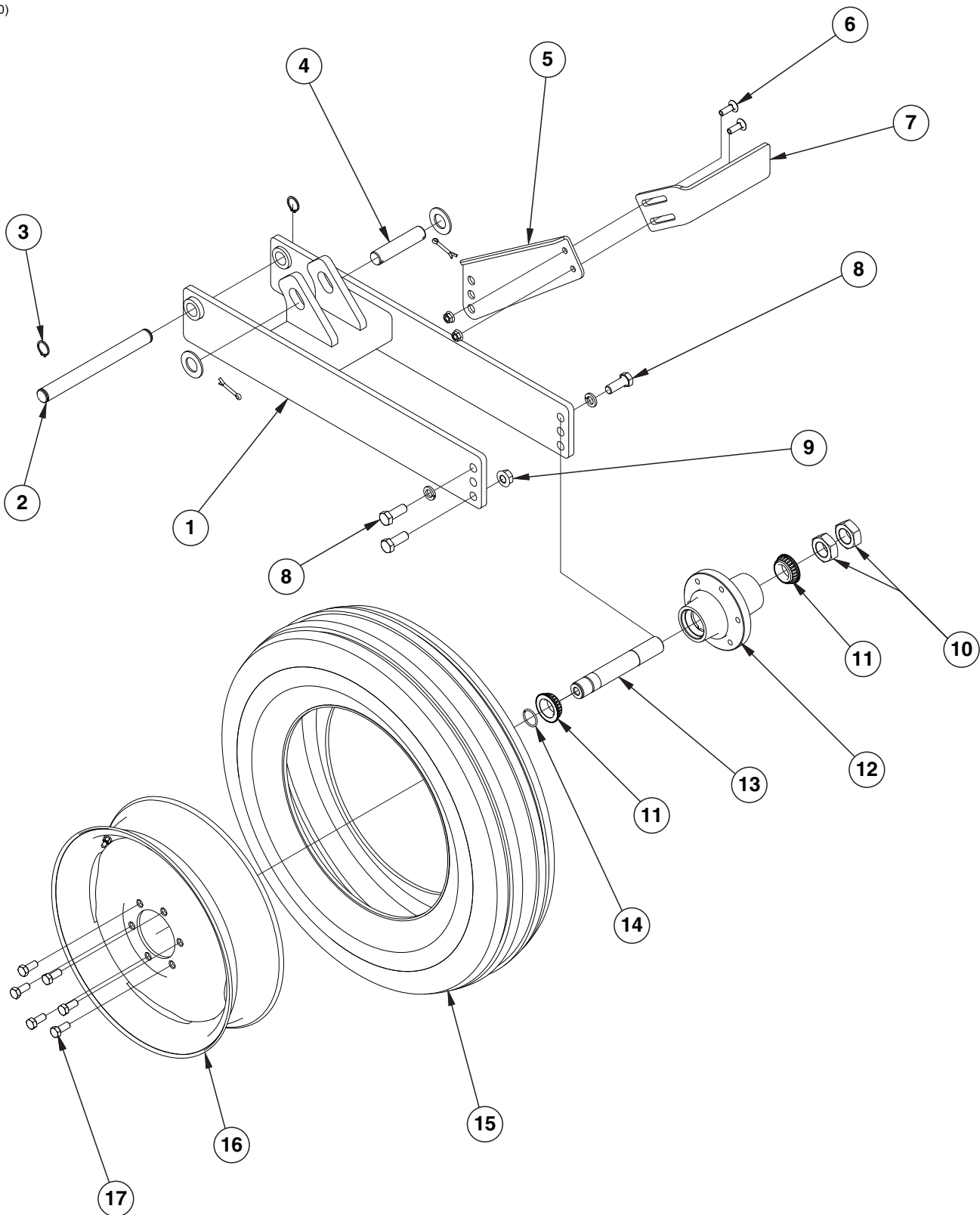
(10320501)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10318301	1	Rock Wheel Guard W/Jump Start
2	G10064	5	Hex Head Cap Screw, ¼"-20 x 1"
3	G10020501	1	Jump Start Bracket
4	GA5716	1	Rock Guard
5	G10448	2	Hex Head Cap Screw, ⅞"-9 x 2½", Grade 8
6	G10330	2	Lock Washer, ⅞"
7	G10955	2	Hex Nut, ⅞"-9
8	G10621	5	Serrated Flange Nut, ¼"-20
9	G10209	5	Washer, ¼" USS

This page left blank intentionally.

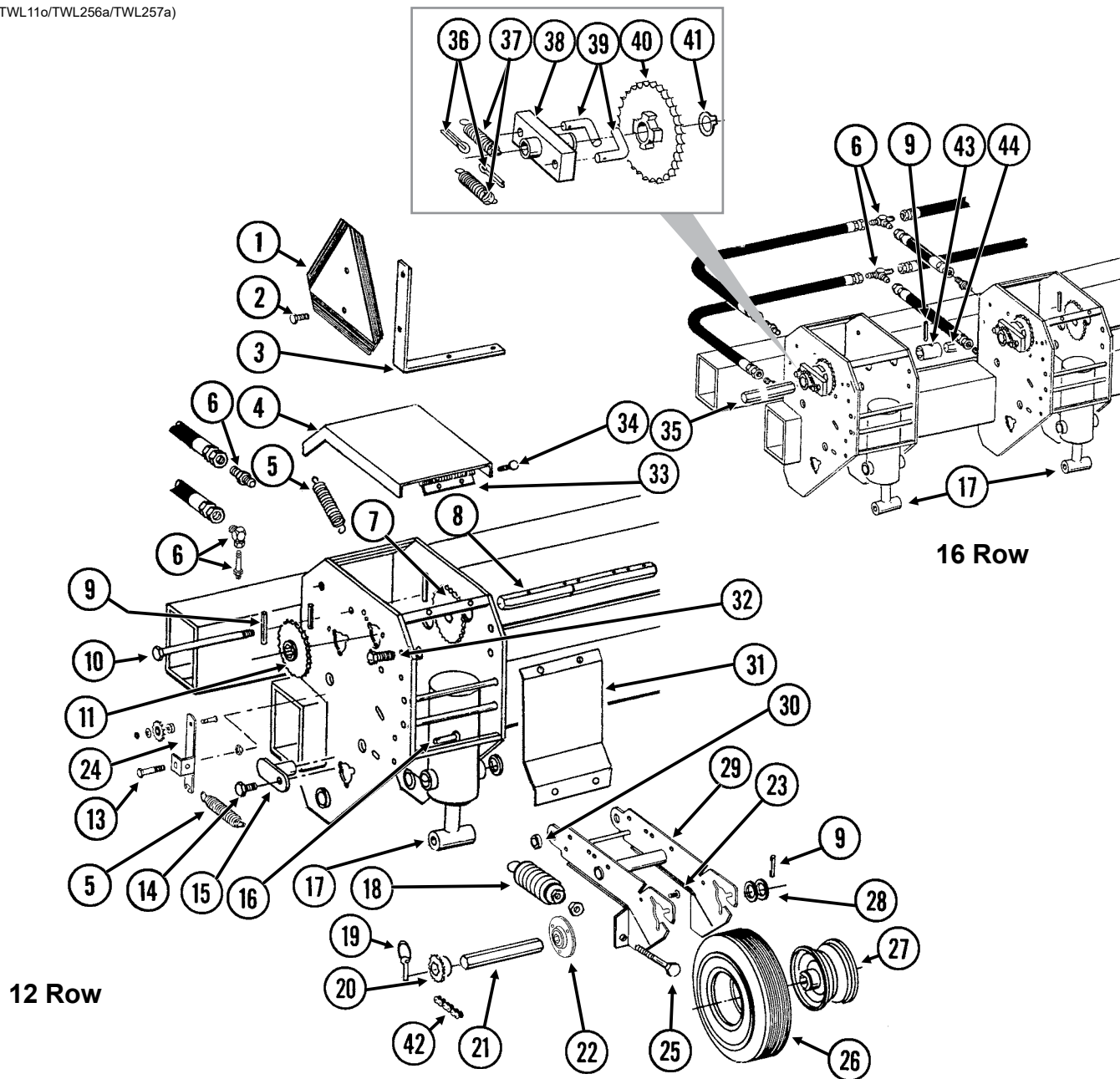
(IP1310)

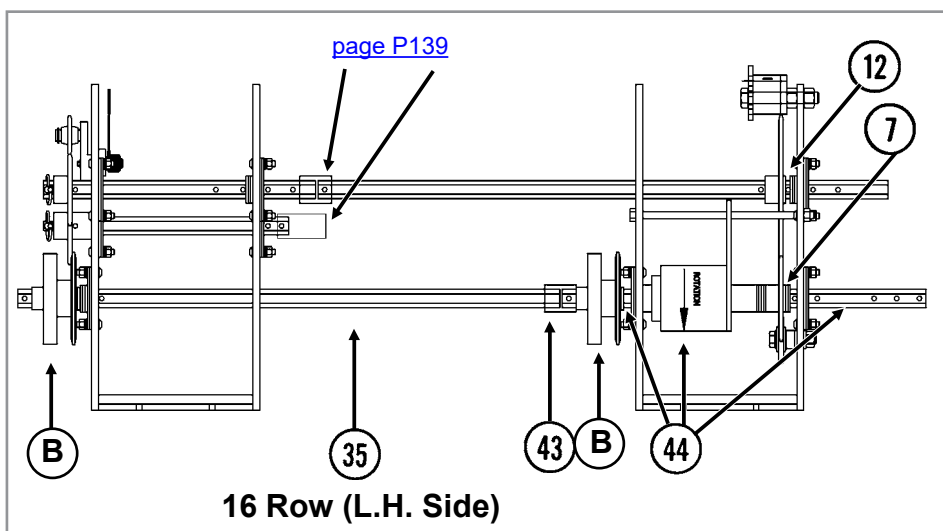
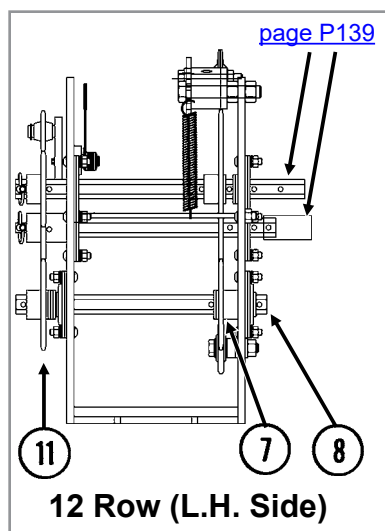


ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	GA14349	1	Wheel Module
2	GD20461	1	Pin, 1¼" x 13"
3	G11400	2	Retaining Ring, 1¼"
4	GD5841	1	Pin, 1¼" x 5⅝"
	G11396	2	Flat Washer, 1¼" SAE
	G10460	2	Cotter Pin, ¼" x 2"
5	GD20456	1	Short Scraper Arm
6	G10636	2	Carriage Bolt, ½"-13 x 1½"
	G10071	2	Serrated Flange Nut, ½"-13
7	GD34178	1	Slotted Scraper
8	G10026	3	Hex Head Cap Screw, ¾"-10 x 2"
	G10231	2	Lock Washer, ¾"
9	G11314	1	Serrated Flange Nut, ¾"-10
10	G11081	2	Hex Jam Nut, 1½"-12, Grade 2
11	GA24825	2	Bearing
12	GA24826	1	Hub W/Cups, 6 Bolt
	GR0434	2	Cup (Included W/GA24826)
13	GA4376	1	Spindle W/Round External Retaining Ring, 10"
14	GD11490	1	Round External Retaining Ring
15	GD13401	1	Tire, 7.50" x 20", 8 Ply, Tubeless W/O Center Rib (Specify Brand*)
	GA7434	1	Valve Stem
16	GA14413	1	Rim, 5.5" x 20"
17	GR0270	6	Lug Bolt, ⅝"-18
A	GA14412	-	Tire And Rim Assembly (Specify Brand*) (Items 15 and 16)
B	GA24828	-	Hub And Spindle Assembly (Items 10-13)

***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.**

(TWL110/TWL256a/TWL257a)





ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	GD2199	1	SMV Sign
2	G10064	2	Hex Head Cap Screw, 1/4"-20 x 1"
	G10621	2	Serrated Flange Nut, 1/4"-20
3	GD9969	1	Bracket
4	GD10298	1	Cover
5	GD5857	2	Spring
6	---	-	See "Hydraulic Hoses and Fittings on Planter Frame, 12 Row" on page P157
7	---	-	See "Hydraulic Hoses and Fittings on Planter Frame, 16 Row" on page P159
8	GD10543	1	Hex Shaft, 7/8" x 13", See "Point Row Clutch" on page P143 (For 12 Row Machines Equipped With Point Row Clutches)
9	G10602	4	Spring Pin, 1/4" x 1 1/2"
10	G10595	-	Hex Head Cap Screw, 3/8"-16 x 10" (Used To Secure Point Row Clutch)
	G10108	-	Lock Nut, 3/8"-16
11	GA5114	1	Sprocket, 30 Tooth
12	G10233	2	Machine Bushing, 1", 10 Gauge
	G10345	2	Machine Bushing, 1", 14 Gauge
13	G10036	1	Hex Head Cap Screw, 5/8"-11 x 4"
	G10104	1	Hex Nut, 5/8"-11
	G10107	1	Lock Nut, 5/8"-11
14	G10017	2	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
	G11389	2	Flat Washer, 1/2" SAE
	G10111	2	Serrated Flange Nut, 1/2"-13
15	GA5121	2	Pin, 2 1/8"
16	G10870	1	Clevis Pin, 3/8" x 1"
	G10860	1	Retaining Ring, 3/8"
17	---	-	See "Wing Lift Cylinder, 12 Row" on page P171
			See "Wing Lift Cylinder, 16 Row" on page P172
18	GA2068	2	Spring W/Plug
19	GD2558	1	Lynch Pin, 1/4"

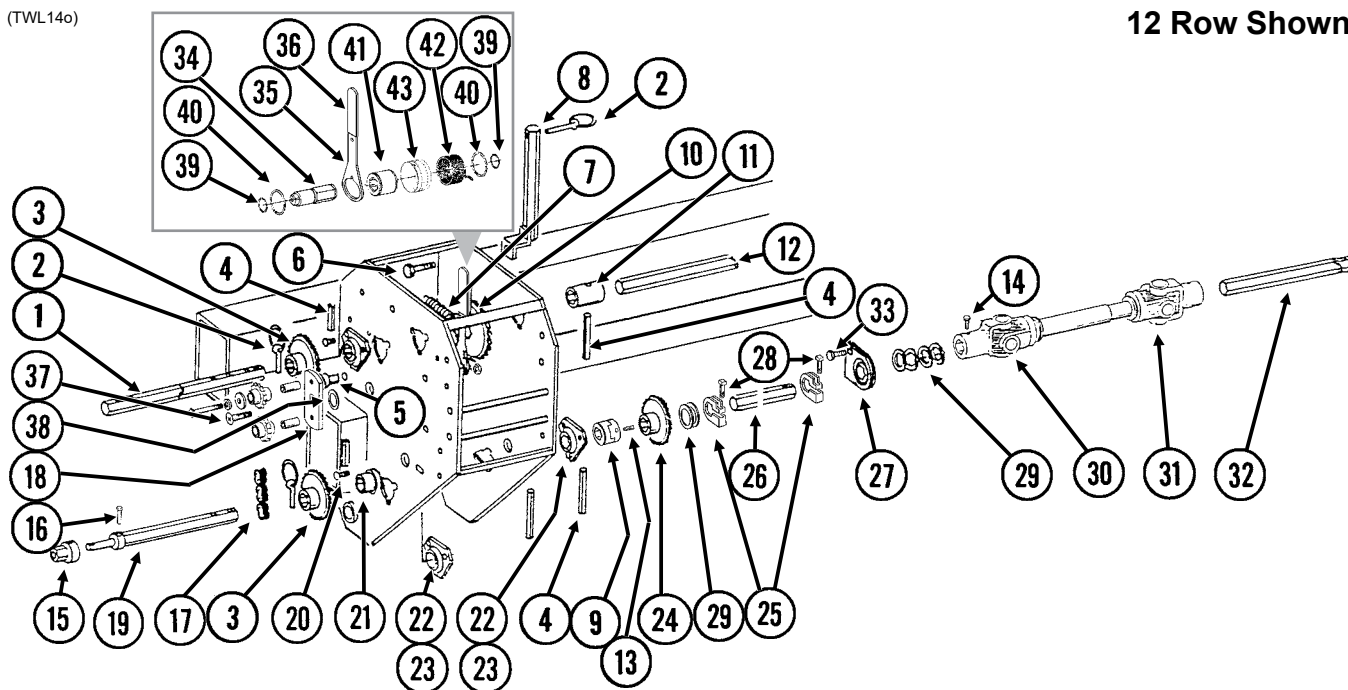
ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
20	GA12192	1	Sprocket, 22 Tooth
	GA5113	1	Sprocket, 28 Tooth
	GA5114	-	Sprocket, 30 Tooth
	GA12191	-	Sprocket, 44 Tooth
	GA5105	-	Sprocket, 15 Tooth
21	GD6775	1	Hex Shaft, 7/8" x 11 3/4" (2 Holes)
22	GA9846	-	Flanged Bearing, 7/8" Hex Bore
23	G10303	6	Carriage Bolt, 5/16"-18 x 1"
	G10232	6	Lock Washer, 5/16"
	G10106	6	Hex Nut, 5/16"-18
24	GA9553	1	Idler W/Sprocket And Hardware, L.H. Side Of Planter
	GA9554	-	Idler W/Sprocket And Hardware, R.H. Side Of Planter
	GA7154	-	Sprocket W/Bearing, 18 Tooth (Included W/GA9553 and GA9554)
	G10017	-	Hex Head Cap Screw, 1/2"-13 x 1 1/2" (Included W/GA9553 and GA9554)
	G10128	-	Machine Bushing, 1/2", 14 Gauge (Included W/GA9553 and GA9554)
	G10501	-	Hex Jam Nut, 1/2"-13, Grade 2 (Included W/GA9553 and GA9554)
25	G11232	2	Hex Head Cap Screw, 1/2"-13 x 4", Grade 5
	G10501	2	Hex Jam Nut, 1/2"-13, Grade 2
26	GD4700	1	Tire, 4.80" x 8", 4 Ply, Rib Implement (Specify Brand*)
27	GA3553	1	Rim, 3.75" x 8"
	GD4701	-	Valve Stem
28	G10233	-	Machine Bushing, 1", 10 Gauge
29	GA7372	1	Wheel Arm
30	GB0218	2	Bushing, 2 1/32" I.D. x 7/8" O.D. x 1 9/32" Long
31	GD6895	1	Shield
32	G10004	2	Hex Head Cap Screw, 5/8"-11 x 1 1/4"
	G10235	6	Machine Bushing, 7/8", 14 Gauge
	G11391	2	Flat Washer, 5/8" SAE
	GB0218	2	Bushing, 2 1/32" I.D. x 7/8" O.D. x 1 9/32" Long
	G10107	2	Lock Nut, 5/8"-11
33	GA13790	1	Slip Joint Hinge Assembly
34	G10064	6	Hex Head Cap Screw, 1/4"-20 x 1"
	G10621	6	Serrated Flange Nut, 1/4"-20
35	GD10099	-	Hex Shaft, 7/8" x 29 5/8"
36	G10453	2	Cotter Pin, 3/16" x 1"
37	GD1256	2	Spring
38	GA0378	1	Block And Hub Assembly
39	GD1255	2	L-Pin
40	GA5165	1	Sprocket, 30 Tooth
41	G10430	1	External Retaining Ring, 1 1/4"
42	G3310-114	1	Chain, No. 40, 114 Pitch Including Connector Link (Used With 22 Tooth Sprocket)
	G3310-118	-	Chain, No. 40, 118 Pitch Including Connector Link (Used With 28 and 30 Tooth Sprocket)
	G3310-126	-	Chain, No. 40, 126 Pitch Including Connector Link (Used With 44 Tooth Sprocket)
	G3310-110	-	Chain, No. 40, 110 Pitch Including Connector Link (Used With 15 Tooth Sprocket)
	GR0912	-	Connector Link, No. 40
43	GD5212	1	Coupler, 1 3/4", 16 Row 30" Only
44	---	-	See "Point Row Clutch" on page P143
A	GA3552	-	Tire And Rim Assembly (Items 26 And 27) (Specify Brand*)
B	GA5164	-	Ratchet/Sprocket Assembly, L.H. Side Of Planter (Items 36-41)
	GA9843	-	Ratchet/Sprocket Assembly, R.H. Side Of Planter (Items 36-41)

* 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.

This page left blank intentionally.

(TWL14o)

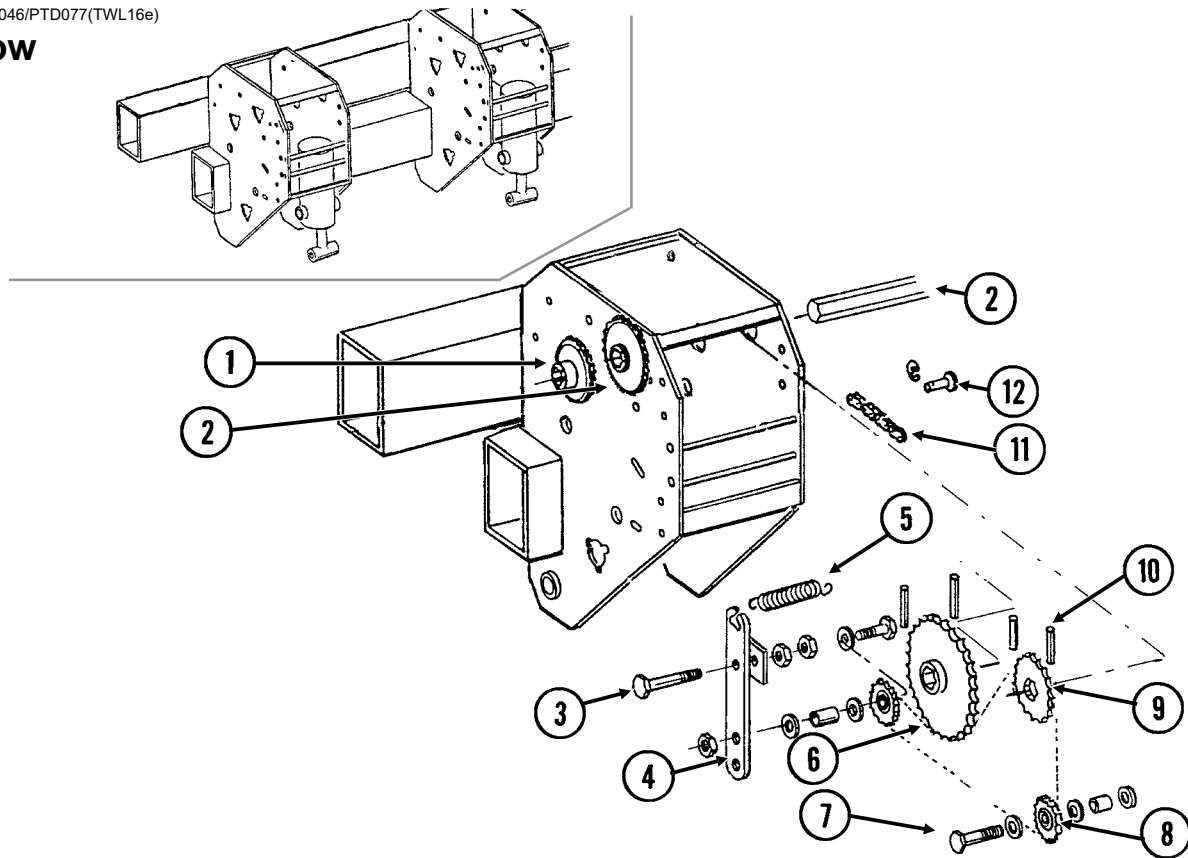
12 Row Shown



ITEM	PART NO.	QTY. (Per Side)	DESCRIPTION
1	GD6780	1	Shaft, 7/8" x 15"
2	GD2558	3	Lynch Pin, 1/4"
3	GA5105	1	Sprocket, 15 Tooth
	GA5106	1	Sprocket, 17 Tooth
	GA5107	2	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
	GA5114	1	Sprocket, 30 Tooth
4	G10602	-	Spring Pin, 1/4" x 1 1/2"
5	G10870	1	Clevis Pin, 3/8" x 1"
	G10860	1	Retaining Ring, 3/8"
6	G10583	1	Hex Head Cap Screw, 1/2"-13 x 2 3/4"
	GD4887-17	1	Sleeve, 1" O.D. x 9/16" I.D. x 1 1/8"
	G10527	2	Lock Washer, 1/2", Internal/External
	G10111	1	Lock Nut, 1/2"-13
7	GD5857	1	Spring
8	GA10832	1	Sprocket Storage Rod
9	GB0287	2	Coupler
10	---	-	See "Inner Module Drive" on page P141
11	GD5212	1	Coupler, 1 3/4", 16 Row 30" Only
12	GD10100	1	Hex Shaft, 7/8" x 31 3/8", 16 Row 30" Only
13	G10131	4	Square Head Set Screw, 5/16"-18 x 3/4"
14	G10688	-	Square Head Set Screw, 3/8"-16 x 5/8"
15	GD7127	1	Shear Coupler
16	G10821	-	Clevis Pin, 3/16" x 2"
	G10455	-	Cotter Pin, 1/16" x 1/2"
17	G3310-80	1	Chain, No. 40, 80 Pitch Including Connector Link
	GR0912	-	Connector Link, No. 40

ITEM	PART NO.	QTY. (Per Side)	DESCRIPTION
18	GA7336	1	Idler W/Bolt-On Sprockets
	GD7426	-	Sprocket, 12 Tooth
	G10047	-	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $1\frac{3}{4}$ "
	GD1026	-	Sleeve, $1\frac{3}{16}$ " Long
	G11387	-	Flat Washer, $\frac{3}{8}$ " SAE
	G10229	-	Lock Washer, $\frac{3}{8}$ "
19	GD7612	1	Shaft, $\frac{7}{8}$ " x $13\frac{3}{4}$ "
20	G10303	-	Carriage Bolt, $\frac{5}{16}$ "-18 x 1"
	G10620	-	Hex Nut, $\frac{5}{16}$ "-18
21	GA5548	1	Special Bearing
22	G3400-01	-	Flangette
23	G2100-03	-	Bearing, $\frac{7}{8}$ " Hex Bore, Spherical
24	GA8092	1	Clutch Sprocket Assembly, 19 tooth (See "Split Row Unit Drive" on page P53)
25	GD11045	-	Lock Clamp
26	GD0914-106.5	2	Hex Shaft, $\frac{7}{8}$ " x $106\frac{1}{2}$ " (No Holes), Wing, 12 Row 30"
	GD0914-166.50	-	Hex Shaft, $\frac{7}{8}$ " x $166\frac{1}{2}$ " (No Holes), Wing, 16 Row 30"
27	GA2180	-	Hanger Bearing, $\frac{7}{8}$ " Hex Bore
28	G10130	-	Square Head Machine Bolt, $\frac{5}{16}$ "-18 x $1\frac{3}{4}$ "
	G10923	-	Flange Nut, $\frac{5}{16}$ "-18, No Serration
29	G10233	-	Machine Bushing, 1", 10 Gauge
30	GA7052	-	U-Joint W/Grease Fitting, Female, $10\frac{1}{4}$ " Long, 12 Row 30" And 16 Row 30"
	GR1557	-	Grease Fitting, 45°, Metric (Included W/GA7052)
	GR1298	-	Inboard Yoke And Outer Profile ($18\frac{1}{4}$ " U-Joint)
	GR1297	-	Inboard Yoke And Outer Profile ($10\frac{1}{4}$ " U-Joint) (Included W/GA7052)
	GR1294	-	Cross And Bearing Kit (Included W/GA7052)
	GR1293	-	Yoke, $\frac{7}{8}$ " Hex (Included W/GA7052)
31	GA7051	-	U-Joint W/Grease Fitting, Male, $12\frac{1}{4}$ " Long
	GR1557	-	Grease Fitting, 45°, Metric (Included W/GA7051)
	GR1296	-	Inner Profile (Included W/GA7051)
	GR1295	-	Inboard Yoke (Included W/GA7051)
	GR1301	-	Spring Pin, 8 mm x 50 mm (Included W/GA7051)
	GR1294	-	Cross And Bearing Kit (Included W/GA7051)
	GR1293	-	Yoke, $\frac{7}{8}$ " Hex (Included W/GA7051)
32	GD0914-45	1	Hex Shaft, $\frac{7}{8}$ " x 45" (No Holes), R.H. Main Frame, 12 Row 30" and 16 Row 30"
	GD0914-35	-	Hex Shaft, $\frac{7}{8}$ " x 35" (No Holes), L.H. Main Frame, 12 Row 30" and 16 Row 30"
	GD0914-38	-	Hex Shaft, $\frac{7}{8}$ " x 38" (No Holes), L.H. Main Frame, 12 Row 30" and 16 Row 30"
33	G10004	2	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $1\frac{1}{4}$ "
	G10229	2	Lock Washer, $\frac{3}{8}$ "
	G10101	-	Hex Nut, $\frac{3}{8}$ "-16
34	GD14426	1	Tightener Shaft, $3\frac{3}{8}$ "
35	GD14431	1	Handle
36	G11078	1	Vinyl Cap
37	G11100	1	Hex Socket Button Head Cap Screw, $\frac{1}{4}$ "-20 x $\frac{1}{2}$ ", Grade 8
	G11453	1	Fender Washer, $\frac{1}{4}$ "
38	G10235	1	Machine Bushing, $\frac{7}{8}$ ", 14 Gauge
39	G10496	2	External Inverted Snap Ring, $1\frac{1}{2}$ "
40	G11075	2	External Inverted Snap Ring, $\frac{7}{8}$ "
41	GD14432	1	Sleeve, $1\frac{1}{4}$ "
42	GD14414	1	Torsion Spring, R.H. (Used In L.H. Wrap Spring Wrench)(Shown)
	GD14413	-	Torsion Spring, L.H. (Used In R.H. Wrap Spring Wrench)
43	GD19344	-	Release Collar, Gray, L.H. (Shown)
	GD19343	1	Release Collar, Blue, R.H.
A	G1K381	-	Wrap Spring Wrench Replacement Kit, Gray Collar, L.H. (Items 34-43) (Shown)
	G1K380	-	Wrap Spring Wrench Replacement Kit, Blue Collar, R.H. (Items 34-43)

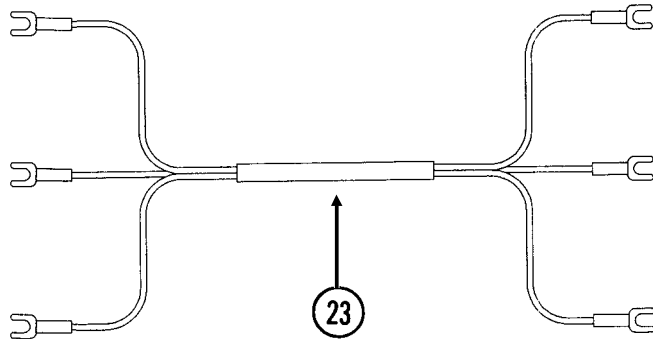
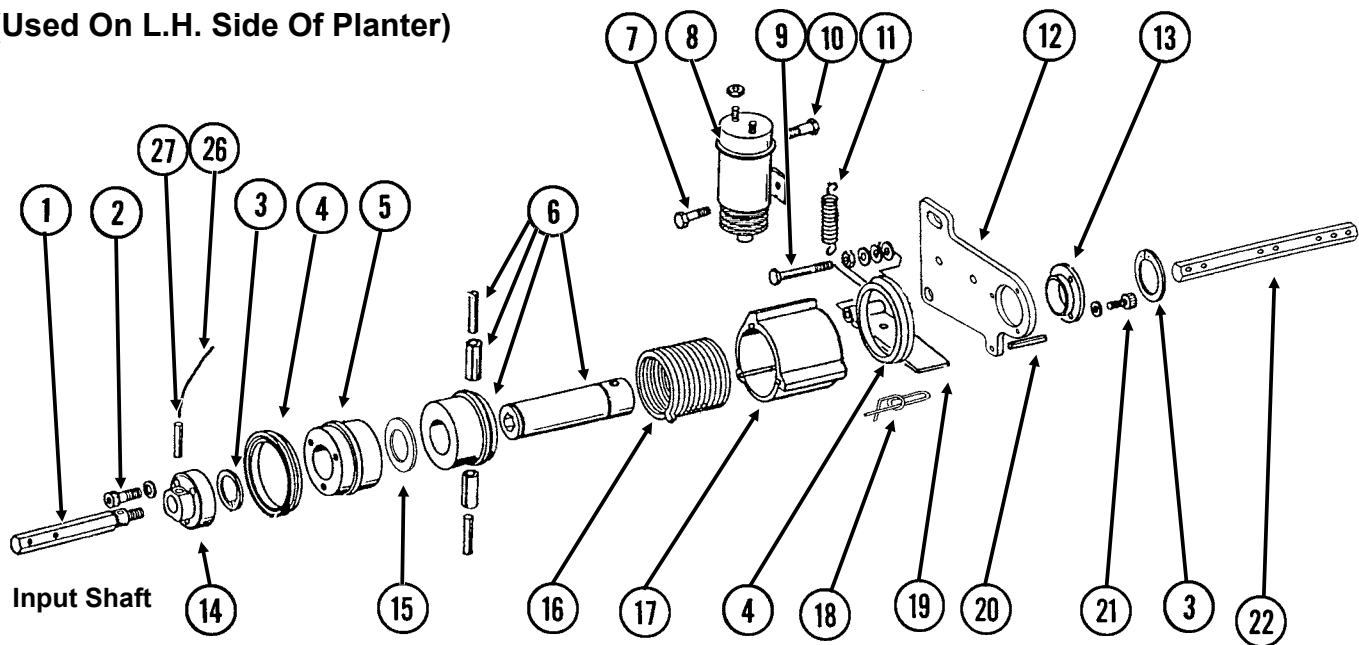
PTD058/PFA046/PTD077(TWL16e)

16 Row

ITEM	PART NO.	QTY. (Per Module)	DESCRIPTION
1	---	-	See "Seed Rate Transmission and Row Unit Drill Shafts" on page P139
2	---	-	See "Contact Wheel and Drive Shaft(s)" on page P135
3	G10743	1	Hex Head Cap Screw, 5/8"-11 x 3 3/4"
	G10918	3	Machine Bushing, 5/8", 14 Gauge (As Required)
	G10503	1	Hex Jam Nut, 5/8"-11, Grade 2
	G10107	1	Lock Nut, 5/8"-11
4	GA9558	1	Idler W/Sprocket And Hardware, L.H. Side Of Planter
	GA9557	-	Idler W/Sprocket And Hardware, R.H. Side Of Planter
	GA7154	-	Sprocket W/Bearing, 18 Tooth (Included W/GA9558 and GA9557)
	G10038	-	Hex Head Cap Screw, 1/2"-13 x 3" (Included W/GA9558 and GA9557)
	GD4887-17	-	Sleeve, 1 O.D. x 9/16" I.D. x 1 1/8"
	G11389	-	Flat Washer, 1/2" SAE (Included W/GA9558 and GA9557)
	G10111	-	Lock Nut, 1/2"-13 (Included W/GA9558 and GA9557)
5	GD5857	1	Spring
6	GA5194	1	Sprocket, 50 Tooth
7	G10581	1	Hex Head Cap Screw, 1/2"-13 x 2 1/4"
	GD7889	1	Bushing, 1" O.D. x 9/16" I.D. x 7/16" Long
	G10168	2	Machine Bushing, 1/2", 7 Gauge
	G11391	2	Flat Washer, 5/8" SAE
	G10111	1	Lock Nut, 1/2"-13
8	GA7154	1	Sprocket W/Bearing, 18 Tooth
9	GA5113	1	Sprocket, 28 Tooth
10	G10602	-	Spring Pin, 1/4" x 1 1/2"
11	G3310-100	1	Chain, No. 40, 100 Pitch Including Connector Link
	GR0912	-	Connector Link, No. 40
12	G10870	1	Clevis Pin, 3/8" x 1"
	G10860	1	Retaining Ring, 3/8"

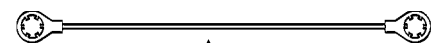
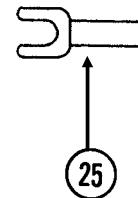
PRC019(TWL70d/TWL71d/TWL71/TWL18/A10054)

**L.H. Point Row Clutch Shown
(Used On L.H. Side Of Planter)**



**Connects To
Clutch Solenoid**

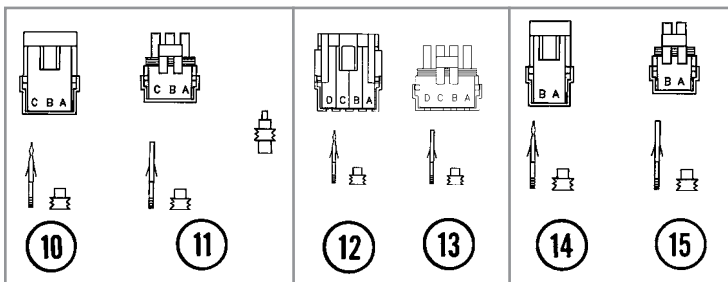
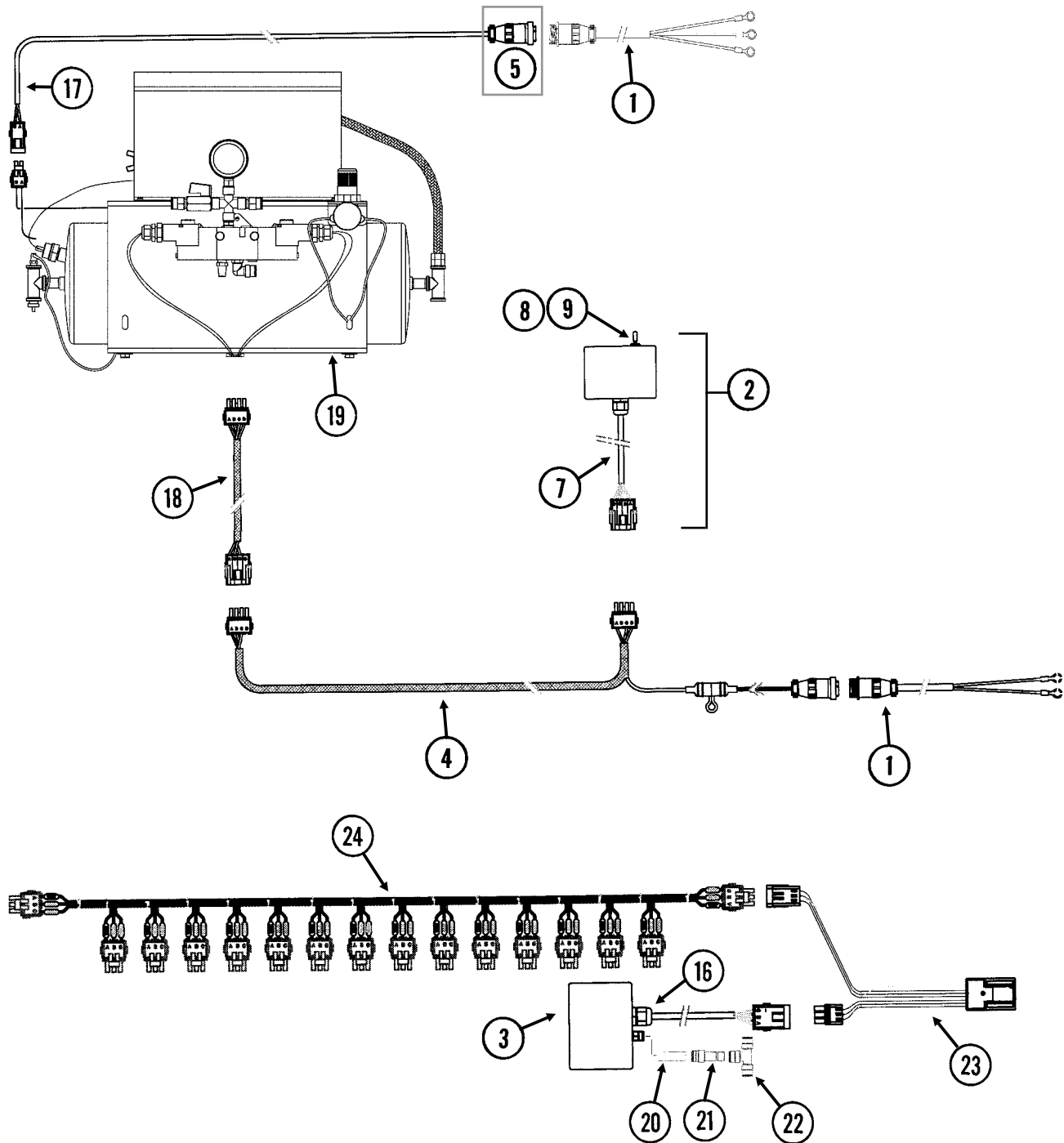
**Connects To Planter
Harness At Valve Block
On Rear Center Frame**



On Point Row Clutch

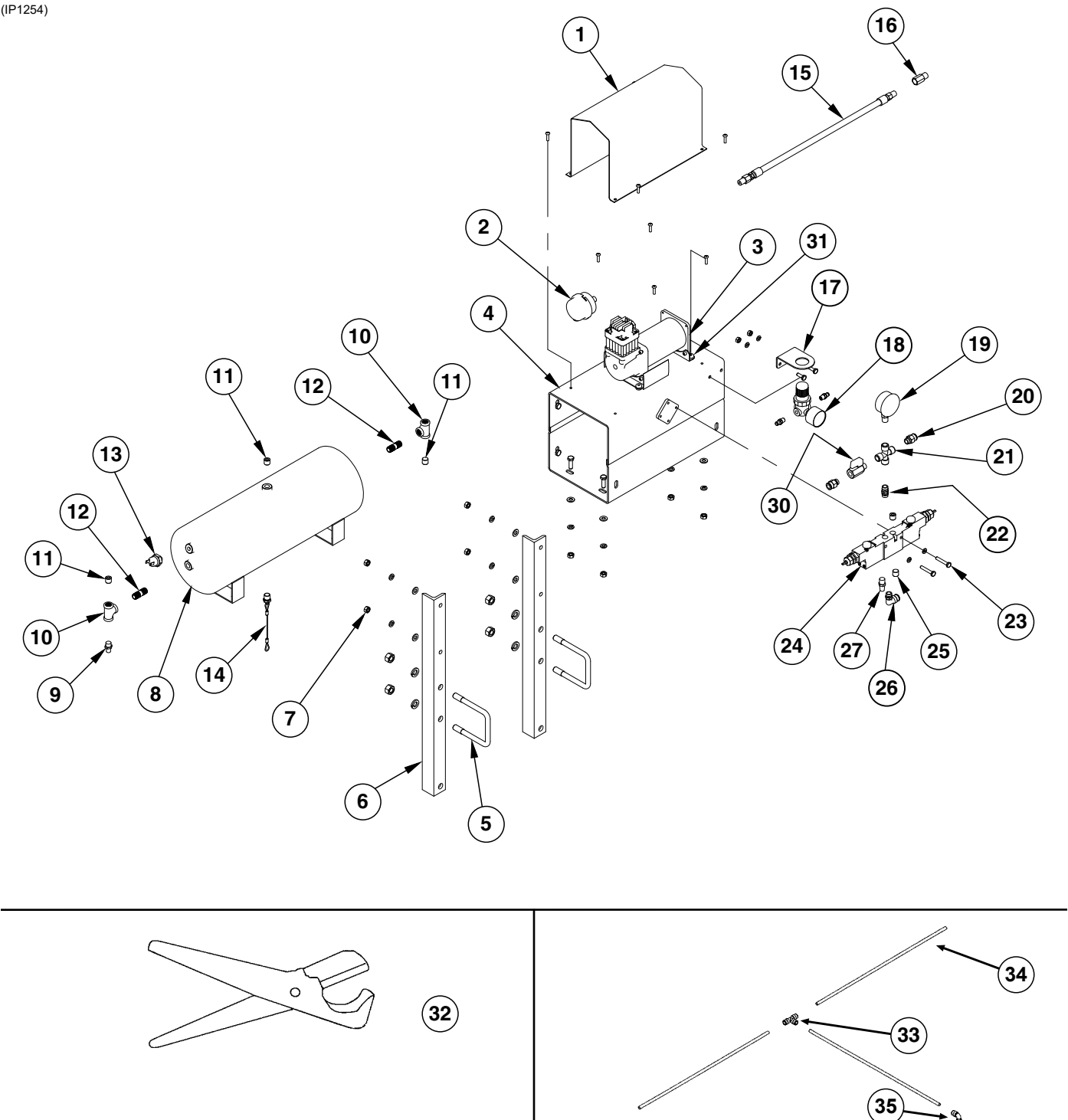
ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	GD10068	1	Input Shaft, R.H. Threads (Shown)
	GD10069	1	Input Shaft, L.H. Threads
2	G10374	3	Hex Socket Head Cap Screw, 1/4"-20 x 1"
	G10227	3	Lock Washer, 1/4"
3	G10496	2	External Inverted Snap Ring, 1 1/2"
4	GD14512	2	V-Ring Seal
5	GD10104	1	Input Hub
6	GA7137	1	Hub/Sleeve Assembly W/Spring Pins
	G11934	2	Coiled Spring Pin, 1/4" x 1" (Included W/GA7137)
7	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
8	GA8393	1	Solenoid Complete
	GR1306	1	Snap Ring (Included W/GA8393)
	GR1303	1	Spring (Included W/GA8393)
	GR1304	1	Boot (Included W/GA8393)
	GR1305	1	Plunger (Included W/GA8393)
9	G10939	1	Hex Head Cap Screw, 3/8"-16 x 2 1/4"
	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
10	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
11	GD10123	1	Spring
12	GD10103	1	Mounting Plate
13	GD9667	1	Bushing
14	GD10070	1	Coupler W/R.H. Threads (Shown)
	GD10071	1	Coupler W/L.H. Threads
15	GD14513	1	Felt Washer
16	GD9671	-	Spring, L.H. (Shown)
	GD9672	-	Spring, R.H.
17	GD30903	1	Stop Collar
18	GD11120	1	Rue Ring Cotter, 5/16"
19	GD30902	1	Actuator Arm
20	G10859	1	Spring Pin, 3/16" x 2 1/4"
21	G10253	3	Hex Socket Head Screw, No. 10-32 x 1/2"
	G10257	3	Lock Washer, No. 10
22	GD10543	-	Hex Shaft, 7/8" x 13"
23	GA9479	1	Wiring Harness, 228", R.H. Side, 12 Row 30"
	GA9480	-	Wiring Harness, 264", L.H. Side, 12 Row 30"; R.H. Side, 16 Row 30"
	GA9482	-	Wiring Harness, 300", L.H. Side, 16 Row 30"
24	GA10054	-	Ground Cable, Green
25	G10996	-	Fork Terminal
26	GD13524-01	1	Lock Wire, 10", Stainless Steel
27	G10546	1	Spring Pin, 3/16" x 1 1/4"
A	GA7110	-	Point Row Clutch Assembly, R.H. (R.H. Side Of Machine) (Items 1-21, 24, 26 And 27)
	GA7111	-	Point Row Clutch Assembly, L.H. (L.H. Side Of Machine) (Items 1-21, 24, 26 And 27)

(PNE30b/MTR27a/ELC27b/MTR45/MTR27i/PNE30e)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA17547	2	Power Adapter Cable
2	GA12813	1	Control Box Assembly
3	GA14846	1	High Pressure Sensor (0-120 PSI)
4	GA13944	1	Wiring Harness W/Fuse Holder And Fuse, 206"
	GD14258	-	Fuse Holder (Included W/GA13944)
	GD14660	-	Fuse, 2 Amp Delay Action (Included W/GA13944)
5	G1K268	-	Console Cable Connector Kit, Includes: (1) 3-Pin Connector, (1) Cable Clamp, (1) Lock Ring, (3) Female Terminal Pins
6	---	---	---
7	GA9964	1	Strain Relief
8	GR1363	1	Hex Face Nut, 1 $\frac{5}{32}$ "-32
	GR1364	1	Internal Tooth Lock Washer, 1 $\frac{5}{32}$ "
9	GA20765	1	Switch, 3 Position Toggle, Momentary On-Off-Momentary On
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	GA8328	-	4-Pin Female Connector Kit, Includes: (1) 4-Pin Female Housing, (4) Pin Contacts, (4) Seals
13	GA8329	-	4-Pin Male Connector Kit, Includes: (1) 4-Pin Male Housing, (4) Socket Contacts, (4) Seals
14	G1K321	-	2-Pin Female Connector Kit (Black), Includes: (3) 2-Pin Female Housings, (6) Pin Contacts, (6) Seals
15	G1K320	-	2-Pin Male Connector Kit (Black), Includes: (3) 2-Pin Male Housings, (6) Socket Contacts, (6) Seals
16	GA9964	2	Strain Relief
17	GA16392	1	Compressor Harness, 60'
	GD14258	-	Fuse Holder
	GD18275	-	Fuse, 20 Amp
18	GA12858	1	Wiring Harness, 60'
19	---		See "Air Compressor, Dual Solenoid Assembly, Tubing, and Fittings" on page P147
20	GD17151-06	1	Nylon Tubing, 1/4" O.D. x 1 1/2'
21	GD18796	1	Reducer, 3/8" To 1/4"
22	GD18010	1	Tee, 3/8" Tube Union
23	GA12812	1	Hall Effect Adapter
24	---		See "Ag Leader PMM" on page P209

(IP1254)

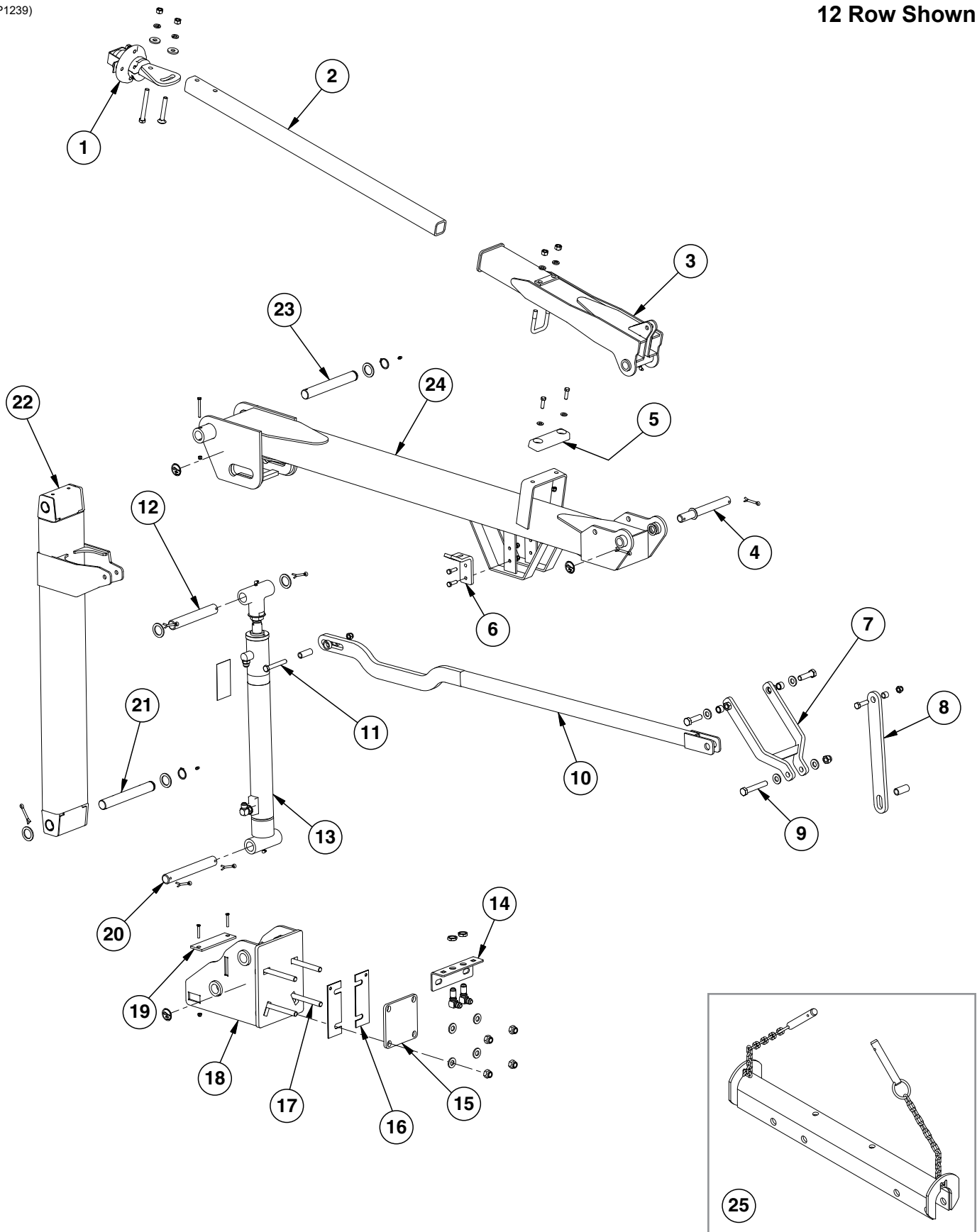


ITEM	PART NO.	QTY.	DESCRIPTION
1	GD18112	1	Cover
	G10992	8	Serrated Flange Nut, No. 10-24
	G11066	8	Phillips Pan Head Machine Screw, No. 10-24 x ¾", Stainless Steel
2	GA14127	1	Filter Assembly
	GR1943	-	Filter (Included W/GA14127)
3	GA22273	1	Air Compressor W/Harness
	G10992	4	Serrated Flange Nut, No. 10-24
	G11066	4	Phillips Pan Head Machine Screw, No. 10-24 x ¾", Stainless Steel

ITEM	PART NO.	QTY.	DESCRIPTION
4	GA12358	1	Compressor Mount
	G10019	4	Hex Head Cap Screw, $\frac{5}{16}$ "-18 x 1"
	G10106	4	Hex Nut, $\frac{5}{16}$ "-18
	G10232	4	Lock Washer, $\frac{5}{16}$ "
	G11386	4	Flat Washer, $\frac{5}{16}$ " SAE
5	GD4743	2	U-Bolt, 3" x 3" x $\frac{1}{2}$ "-13
	G10228	4	Lock Washer, $\frac{1}{2}$ "
	G10102	4	Hex Nut, $\frac{1}{2}$ "-13
6	GD18119	2	Compressor Mount
7	G10019	4	Hex Head Cap Screw, $\frac{5}{16}$ "-18 x 1"
	G11386	4	Flat Washer, $\frac{5}{16}$ " SAE
	G10106	4	Hex Nut, $\frac{5}{16}$ "-18
	G10232	4	Lock Washer, $\frac{5}{16}$ "
8	GA11988	1	Tank, 3 Gallon
9	GA13512	1	Valve Stem, $\frac{1}{4}$ " NPT
10	GD19237	2	Tee, $\frac{1}{4}$ " NPT
11	GD17156	3	Plug, $\frac{1}{4}$ " NPT
12	GD19238	2	Nipple, $\frac{1}{4}$ " NPT
13	GR1778	1	Pressure Switch
14	GA11991	1	Drain, $\frac{1}{4}$ " NPT
15	GR1951	1	Leader Hose without Check Valve
16	GR1921	1	Check Valve
17	GD18084	1	Regulator Bracket
	G10023	2	Hex Head Cap Screw, $\frac{1}{4}$ "-20 x $\frac{3}{4}$ "
	G10227	4	Lock Washer, $\frac{1}{4}$ "
	G10103	2	Hex Nut, $\frac{1}{4}$ "-20
18	GA12629	1	Mini Regulator W/Gauge
	GD19124	2	Connector, $\frac{1}{4}$ " x $\frac{1}{8}$ " NPT
19	GA21405	1	Pressure Gauge, $\frac{1}{4}$ " NPT
20	GD17141	2	Connector, $\frac{1}{4}$ " Male NPT
21	GD18078	1	Female Cross, $\frac{1}{4}$ " NPT
22	D17154	1	Connector, $\frac{1}{4}$ " Male NPT
23	G10021	2	Hex Head Cap Screw, $\frac{1}{4}$ "-20 x $1\frac{1}{2}$ "
24	GA22793	1	Dual Solenoid Air Valve
25	GD17156	2	Plug, $\frac{1}{4}$ " NPT
26	GD17143	1	Swivel Elbow, $\frac{1}{4}$ " NPT x $\frac{3}{8}$ "
27	GA11997	1	Breather, $\frac{1}{4}$ " NPT
28	---	-	---
29	---	-	---
30	GA11992	1	Shutoff Valve, $\frac{1}{4}$ " NPT
31	GR2233	4	Vibration Isolator Gromet, 4 Pack
32	GA13169	1	Tube Cutter W/Blade
	GR1843	-	Blade
33	GD18010	-	Tee, $\frac{3}{8}$ " Tube Union, Pull Row Unit (Pneumatic Down Pressure)
	GD18274	-	Tee, $\frac{3}{8}$ " x $\frac{1}{8}$ " NPT Extended, Push Row Unit (Pneumatic Down Pressure)
34	GD17150-03	-	Nylon Tubing, $\frac{3}{8}$ " O.D. x 64', 12 Row Pull Row Units (Pneumatic Down Pressure)
	GD17150-04	-	Nylon Tubing, $\frac{3}{8}$ " O.D. x 86', 16 Row Pull Row Units (Pneumatic Down Pressure)
	GD17150-08	-	Nylon Tubing, $\frac{3}{8}$ " O.D. x 60', 11 Row Push Row Units (Pneumatic Down Pressure)
	GD17150-09	-	Nylon Tubing, $\frac{3}{8}$ " O.D. x 82', 15 Row Push Row Units (Pneumatic Down Pressure)
	GD17150-12	-	Nylon Tubing, $\frac{3}{8}$ " O.D. x 5', Even-Row Push Row Unit (Pneumatic Down Pressure)
35	GD18011	-	Elbow, $\frac{3}{8}$ " x $\frac{1}{8}$ " NPT Extended, Pull Row Unit (Pneumatic Down Pressure)
A	GA12626	-	Air Compressor Assembly (Items 1-4, 8-14, and 25)
B	GA11995	-	Dual Solenoid Assembly (Items 19-22 and 24-30) (Only applicable with pneumatic down pressure option)

(IP1239)

12 Row Shown

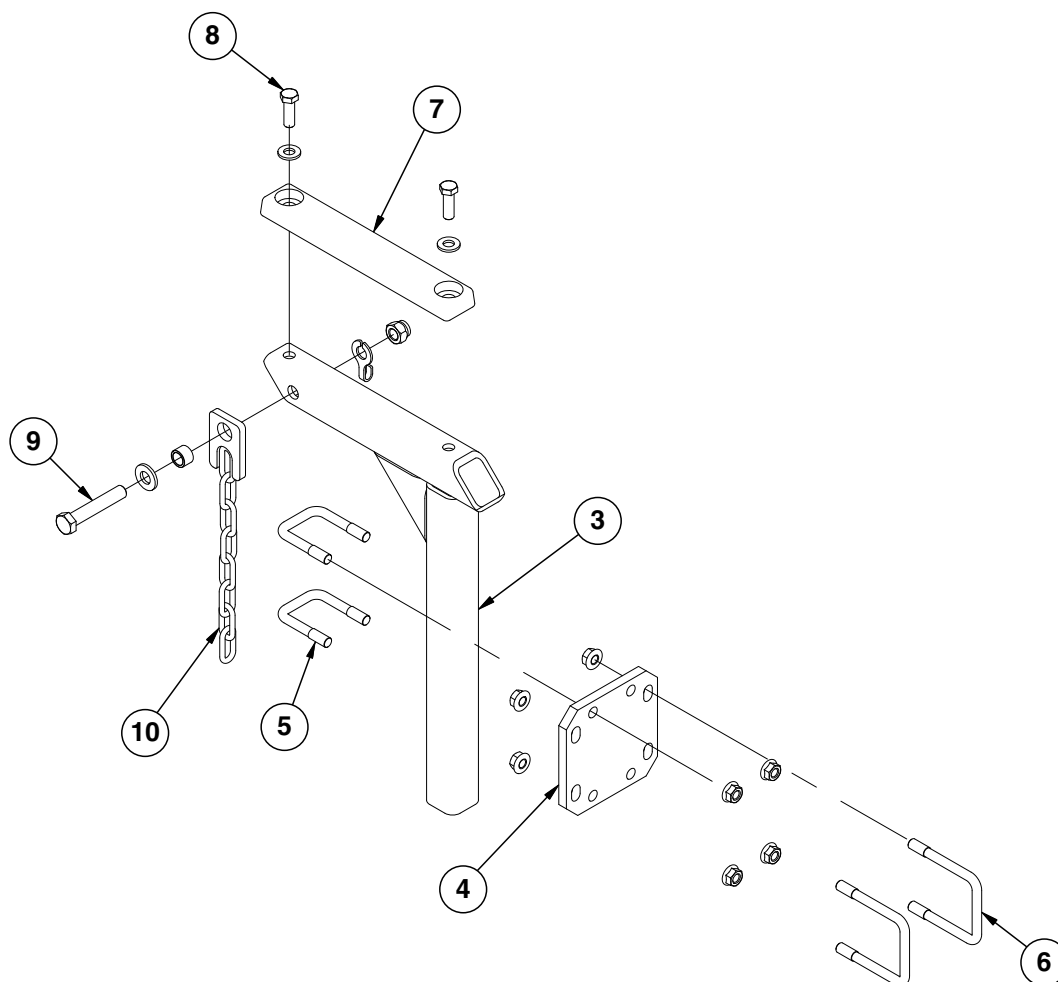


ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	GA26909	1	See "Row Marker Spindle/Hub/Blade" on page P153
	G10168	2	Machine Bushing, 1/2", 7 Gauge
	G10045	1	Hex Head Cap Screw, 1/2"-13 x 4 1/2"
	G10844	1	Carriage Bolt, 1/2"-13 x 3 1/2"
	G10228	2	Lock Washer, 1/2"
	G10102	2	Hex Nut, 1/2"-13
2	GD0453-07	1	Extension Tube, 45", 12 Row
	GD0453-03	-	Extension Tube, 50", 16 Row
	GD0453-04	-	Extension Tube, 60", 12 Row Even-Row
	GD0453-08	-	Extension Tube, 65", 16 Row Even-Row
3	GA13994	1	Arm, Third Stage, 12 Row
	GA13114	-	Arm, Third Stage, 16 Row
	G10643	-	Grease Fitting, 45°, 1/4"-28
	GD2721	1	U-Bolt, 2" x 2" x 1/2"-13
	G10228	2	Lock Washer, 1/2"
	G10102	2	Hex Nut, 1/2"-13
4	GD18889	1	Pin, 1" x 9 1/4"
	G10460	2	Cotter Pin, 1/4" x 2"
	G10345	2	Machine Bushing, 1", 14 Gauge
5	GA9145	1	Molded Stop, 6 1/4" Long
	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G11387	2	Flat Washer, 3/8" SAE
	G10108	2	Lock Nut, 3/8"-16
6	GD18540	1	Lock-up Chain Bracket
	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G10108	2	Lock Nut, 3/8"-16
7	GA13764	1	Linkage
	G11391	2	Flat Washer, 5/8" SAE
	G10006	2	Hex Head Cap Screw, 5/8"-11 x 2 1/4"
	GB0218	2	Bushing, 2 1/32" I.D. x 7/8" O.D. x 1 9/32" Long
	G10107	2	Lock Nut, 5/8"-11
8	GD25189	1	Marker Link
	GD3180-34	1	Sleeve, 7/8" O.D. x 5/8" I.D. x 2"
	GD10538-07	1	Sleeve, 3/4" O.D. x 1/2" I.D. x .3/5"
	G10039	1	Hex Head Cap Screw, 1/2"-13 x 1 3/4"
	G10111	1	Lock Nut, 1/2"-13
9	G10036	1	Hex Head Cap Screw, 5/8"-11 x 4"
	G11391	2	Flat Washer, 5/8" SAE
	G10107	1	Lock Nut, 5/8"-11
10	GA17399	1	Marker Link, 66 3/4", 12 Row
	GA17400	-	Marker Link, 113 1/4", 16 Row
11	G10033	1	Hex Head Cap Screw, 1/2"-13 x 3 1/2"
	GD19661-01	1	Sleeve, 3/4" O.D. x 5 1/100 I.D. x 2"
	GD16418-02	2	Sleeve, 1 1/8" O.D. x 1 3/16" I.D. x 1 1/25"
	G10111	1	Lock Nut, 1/2"-13
12	GD18815	1	Pin, 1 1/4" x 8.38"
	G10159	2	Washer, 1 7/8"
	G10460	2	Cotter Pin, 1/4" x 2"
13	GA21030	1	See "Row Marker Cylinder" on page P169
	G6801-08	1	Elbow W/O-Ring, 90°, 3/4"-16 Male JIC To O-Ring
	GR1037	-	O-Ring
	G6400-08-04	1	Connector W/O-Ring, 3/4"-16 Male JIC To 7/16"-20 O-Ring
	GR1465	-	O-Ring
14	GD26024	1	Bulkhead Mount
	G306-08	2	Lock Nut, 3/4"-16
	2701-08	2	Bulkhead Elbow, 90°, 3/4"-16 Male JIC
	G10107	4	Lock Nut, 5/8"-11

ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
15	GD13360	1	Plate, 6" x 6", 12 Row
	GD13359	-	Plate, 7" x 7", 16 Row
16	GD10792	4	Shim, 2½" x 7¼", 16 Gauge, 12 Row Only
17	G10011	4	Hex Head Cap Screw, ⅝"-11 x 5½"
	G11391	4	Flat Washer, ⅝" SAE
18	GA14361	1	Marker Mount
19	GD19491	1	Marker Mount Wear Pad
	G11319	2	Slotted Flat Head Machine Screw, ¼"-20 x 1¾"
	G11320	2	Lock Nut, ¼"-20, Grade B
20	GD31511	1	Hydraulic Cylinder Marker Arm Pin
	G10159	2	Washer, 1⅞", 10 Gauge (.1345")
	G11400	1	Retaining Ring, 1¼"
	G10640	1	Grease Fitting, ¼"-28
	G10460	2	Cotter Pin, ¼" x 2"
21	GD21143	1	Marker Pin, 1¼" x 9½", 12 Row 30" and 16 Row 30"
	GD10186		Marker Pin, 1¼" x 9½", 12 Row 36"/38"
	G11400	1	Retaining Ring, 1¼"
	G10640	1	Grease Fitting, ¼"-28
22	GA13487	1	Arm, First Stage
	G10403	1	Hex Head Cap Screw, ¼"-20 x 2½"
	G11320	1	Lock Nut, ¼"-20, Grade B
	GD11751		Steel Bushing, 1" Wide
23	GD21142	1	Marker Pin, 1¼" x 11 ⁵³ / ₆₄ "
	G11400	1	Retaining Ring, 1¼"
	G10640	1	Grease Fitting, ¼"-28
	G11320	1	Lock Nut, ¼"-20, Grade B
	G10403	1	Hex Head Cap Screw, ¼"-20 x 2½"
24	GA17401	1	Arm W/Grease Fitting, Second Stage, 12 Row
	GA17402	-	Arm W/Grease Fitting, Second Stage, 16 Row
25	GA24754	1	Cylinder Lock-Up
	G10536	2	Detent Pin, ½" x 2½" Grip

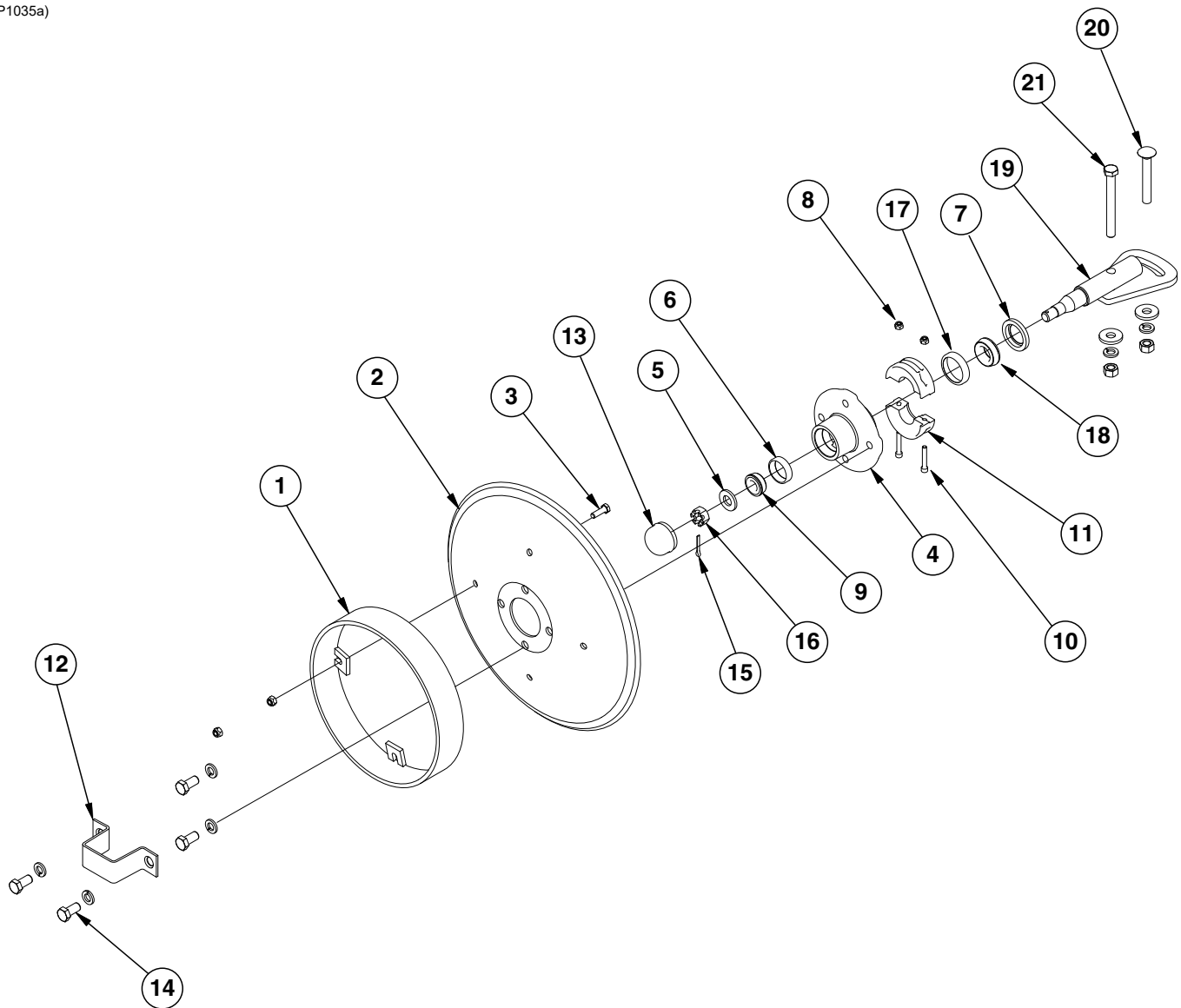
(IP1260)

L.H. Shown



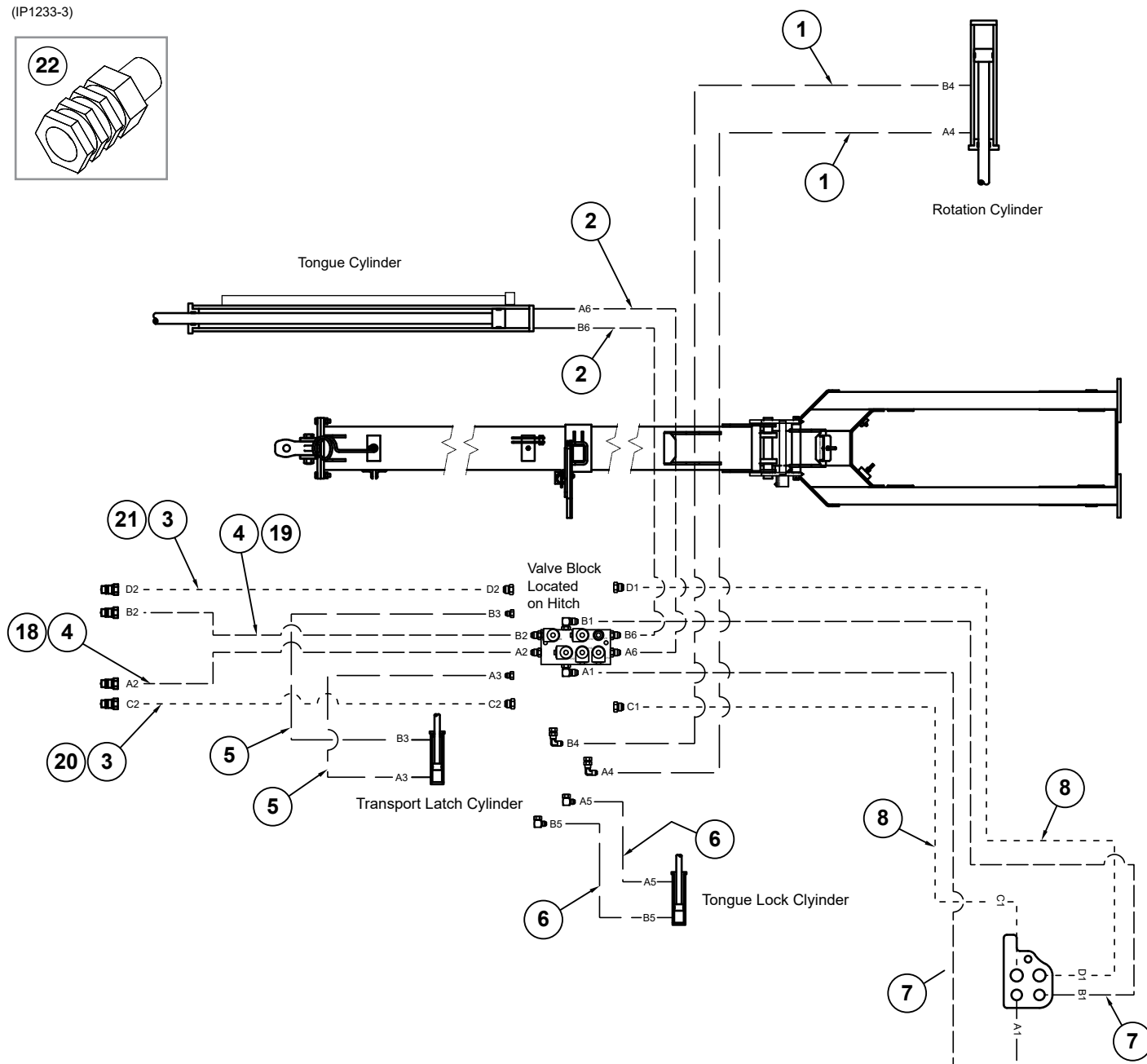
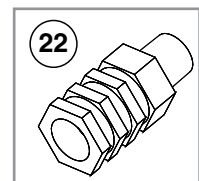
ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	---	-	---
2	---	-	---
3	GA14402	1	Marker Stand
4	GD9981	1	Marker Stand Bar
5	GD2721	2	U-Bolt, 2" x 2" x 1/2"-13
	G10071	4	Serrated Flange Nut, 1/2"-13
6	GD4743	2	U-Bolt, 3" x 3" x 1/2"-13
	G10071	4	Serrated Flange Nut, 1/2"-13
7	GA9088	1	Molded Stop, 12 1/4" Long
8	G10017	2	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
	G11389	2	Flat Washer, 1/2" SAE
	G10111	2	Lock Nut, 1/2"-13
9	G10743	1	Hex Head Cap Screw, 5/8"-11 x 3 3/4"
	G11391	1	Flat Washer, 5/8" SAE
	GB0218	1	Bushing, 2 1/32" I.D. x 7/8" O.D. x 1 9/32" Long
	GD10088	1	Special Washer
	G10107	1	Lock Nut, 5/8"-11
10	GA13340	1	Chain Lockup

(IP1035a)

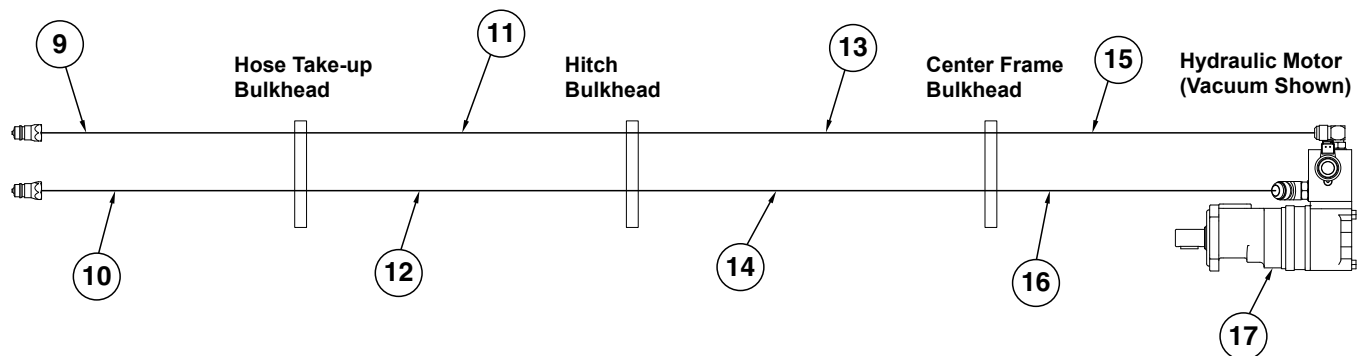


ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	GA5853	1	Depth Band
2	GD0746	1	Disc Blade, Solid, 16" (Shown)
	GD10283	-	Disc Blade, Notched, 16" (Optional)
3	G10019	4	Hex Head Cap Screw, $\frac{5}{16}$ "-18 x 1"
	G10109	4	Lock Nut, $\frac{5}{16}$ "-18, Grade 8
4	GD26876	1	Hub W/Cups, 4 Bolt (Includes Items 6 and 17)
5	G11391	1	Flat Washer, $\frac{5}{8}$ " SAE
6	GR0151	1	Outer Cup
7	GD21540	1	Grease Seal
8	G10110	2	Lock Nut, $\frac{1}{4}$ "-20, Grade B
9	GA0257	1	Bearing
10	G11418	2	Hex Socket Head Cap Screw, $\frac{1}{4}$ "-20 x $1\frac{1}{2}$ "
11	GB0554	2	Hub Shield
12	GD2597	1	Retainer
13	GD0840	1	Dust Cap
14	G10722	4	Hex Head Cap Screw, $\frac{1}{2}$ "-20 x 1"
	G10228	4	Lock Washer, $\frac{1}{2}$ "
15	G10544	1	Cotter Pin, $\frac{5}{32}$ " x 1"
16	G10725	1	Slotted Hex Nut, $\frac{5}{8}$ "-18
17	GR0150	1	Inner Cup
18	GA0245	1	Bearing
19	GA15151	1	Spindle
20	G10844	1	Carriage Bolt, $\frac{1}{2}$ "-13 x $3\frac{1}{2}$ "
	G10168	1	Machine Bushing, $\frac{1}{2}$ ", 7 Gauge
	G10228	1	Lock Washer, $\frac{1}{2}$ "
	G10102	1	Hex Nut, $\frac{1}{2}$ "-13
21	G10045	1	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x $4\frac{1}{2}$ "
	G10168	2	Machine Bushing, $\frac{1}{2}$ ", 7 Gauge
	G10228	2	Lock Washer, $\frac{1}{2}$ "
	G10102	2	Hex Nut, $\frac{1}{2}$ "-13
A	GA26909	-	Hub And Spindle Assembly, (Items 4-7, 9, and 12-19)

(IP1233-3)



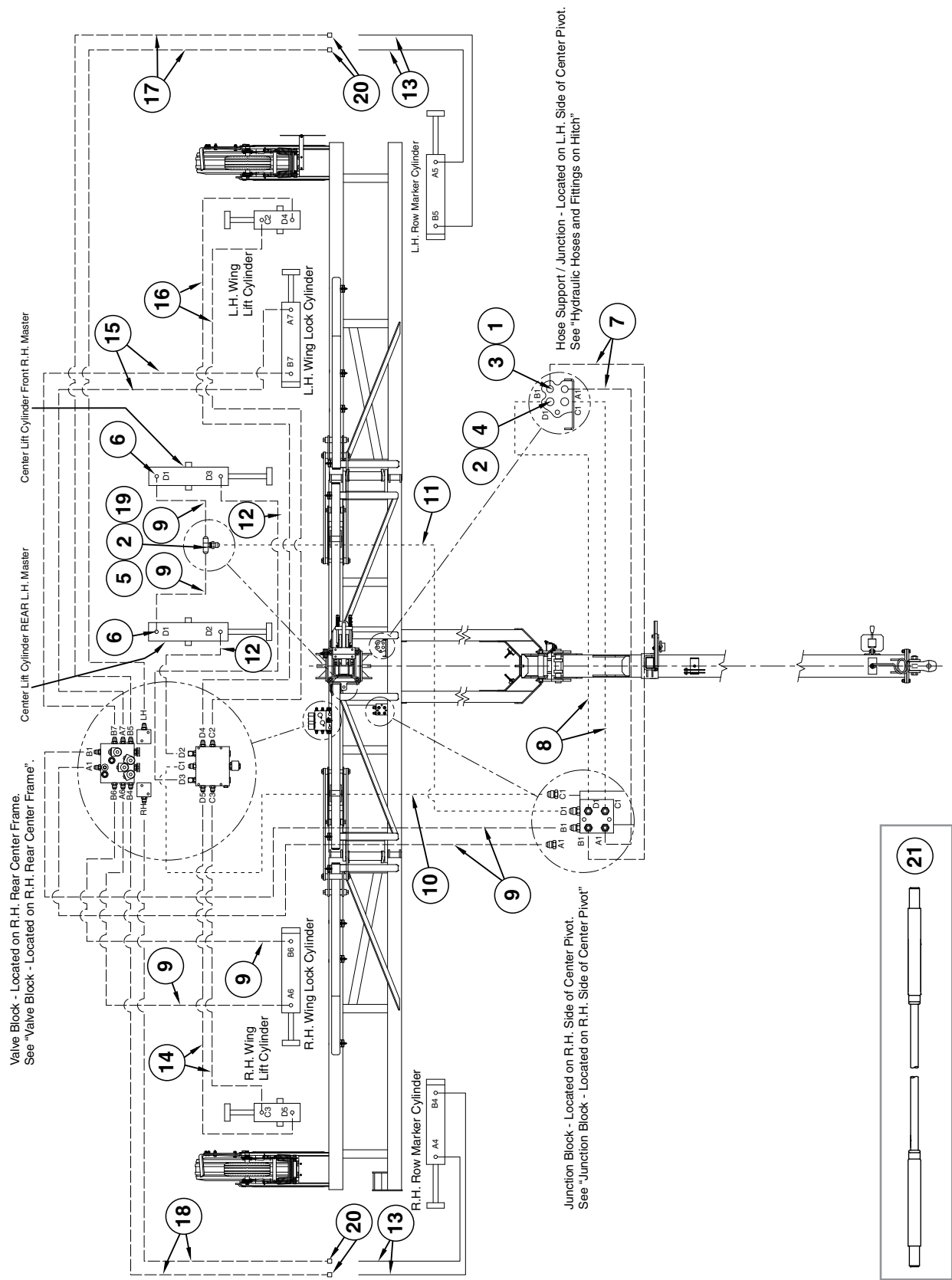
Hydraulic Drive



ITEM	PART NO.	QTY.	DESCRIPTION
1	*A1116	2	Hose Assembly, 1/4" x 136" (06F-06F)
2	*A3118	2	Hose Assembly, 3/8" x 80" (08F-08F)
3	*A18693-268	2	Hose Assembly, 1/2" x 268" (10F-1/2M NPTF W/Ext., W/Tip), 16 Row 30"
	*A18693-209	-	Hose Assembly, 1/2" x 209" (10F-1/2M NPTF W/Ext., W/Tip), 12 Row 30"
4	*A26936-269	2	Hose Assembly, 3/8" x 269" (08F-1/2M NPTF W/Ext., W/Tip), 16 Row 30"
	*A26936-209	-	Hose Assembly, 3/8" x 209" (08F-1/2M NPTF W/Ext., W/Tip), 12 Row 30"
5	*A1129	2	Hose Assembly, 1/4" x 168" (06F-06F), 16 Row 30"
	*A1171	-	Hose Assembly, 1/4" x 108" (06F-06F), 12 Row 30"
6	*A1139	2	Hose Assembly, 1/4" x 40" (06F-06F), 12 Row 30" and 16 Row 30"
7	*A1041	2	Hose Assembly, 3/8" x 130" (08F-08F)
8	*A1478	2	Hose Assembly, 1/2" x 128" (10F-10F)
9	*A12754	1	Hose Assembly, 1/2" x 206" (1/2M NPTF-10F), 12 Row 30"
	*A8266	1	Hose Assembly, 1/2" x 268" (1/2M NPTF-10F), 16 Row 30"
10	*A11449	1	Hose Assembly, 5/8" x 206" (1/2M NPTF-12F), 12 Row 30"
	*A11450	1	Hose Assembly, 5/8" x 266" (1/2M NPTF-12F), 16 Row 30"
11	*A12751	1	Hose Assembly, 1/2" x 142 1/2" (10F-10F)
12	*A11442	1	Hose Assembly, 5/8" x 137 1/2" (12F-12F)
13	*A1464	1	Hose Assembly, 1/2" x 72" (10F-10F)
14	*A11443	1	Hose Assembly, 5/8" x 73" (12F-12F)
15	*A12756	1	Hose Assembly, 1/2" x 97" (10F-10F)
16	*A11448	1	Hose Assembly, 5/8" x 100" (12F-12F)
17	---	-	See "Hydraulic Motor Assembly" on page P191
18	GA26924-03	1	Hose Label/Cover, Blue (Extend)
19	GA26924-04	1	Hose Label/Cover, Blue (Retract)
20	GA26924-01	1	Hose Label/Cover, Red (Extend)
21	GA26924-02	1	Hose Label/Cover, Red (Retract)
22	GD36866	-	Fitting, 1/2"

* Hydraulic hose is not stocked by Kinze Repair Parts.

(IP1317)

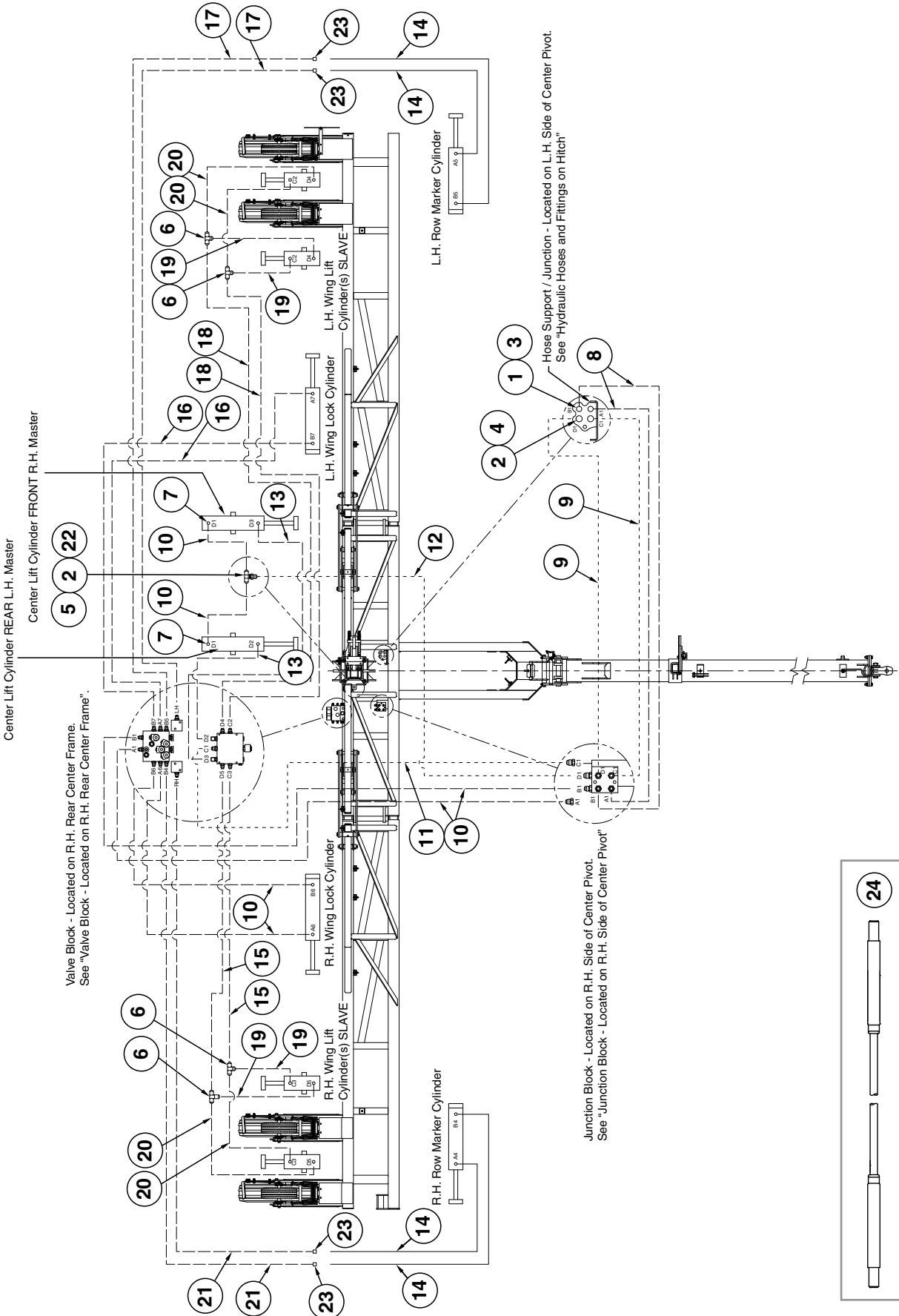


ITEM	PART NO.	QTY.	DESCRIPTION
1	G306-08	2	Lock Nut, 3/4"-16
2	G306-10	3	Lock Nut, 7/8"-14
3	G2700-08	2	Bulkhead Tube Union, 3/4"-16 Male JIC
4	G2700-10	2	Bulkhead Tube Union, 7/8"-14 Male JIC
5	G2703-08-08-10	1	Bulkhead Tee, 7/8"-14 Male JIC To 3/4"-16 JIC
6	6400-08 GR1037	4 -	Connector W/O-Ring, 3/4"-16 Male JIC To O-Ring
7	*A12090	2	Hose Assembly, 3/8" x 63"
8	*A8267	2	Hose Assembly, 1/2" x 58"
9	*A1076	6	Hose Assembly, 3/8" x 30"
10	*A1424	1	Hose Assembly, 1/2" x 30"
11	*A1404	1	Hose Assembly, 1/2" x 41"
12	*A3131	2	Hose Assembly, 3/8" x 42"
13	*A3158	4	Hose Assembly, 3/8" x 46"
14	*A25400-246	2	Hose Assembly, 3/8" x 246" (08F-08F)
15	*A1055	2	Hose Assembly, 3/8" x 66"
16	*A25400-296	2	Hose Assembly, 3/8" x 296" (08F-08F)
17	*A12042	2	Hose Assembly, 3/8" x 228"
18	*A3117	2	Hose Assembly, 3/8" x 176"
19	G10235	1	Machine Bushing, 7/8", 14 Gauge
20	G2408-08	4	Plug, 3/4"-16
21	GA6608	-	Cable Assembly

* Hydraulic hose is not stocked by Kinze Repair Parts.

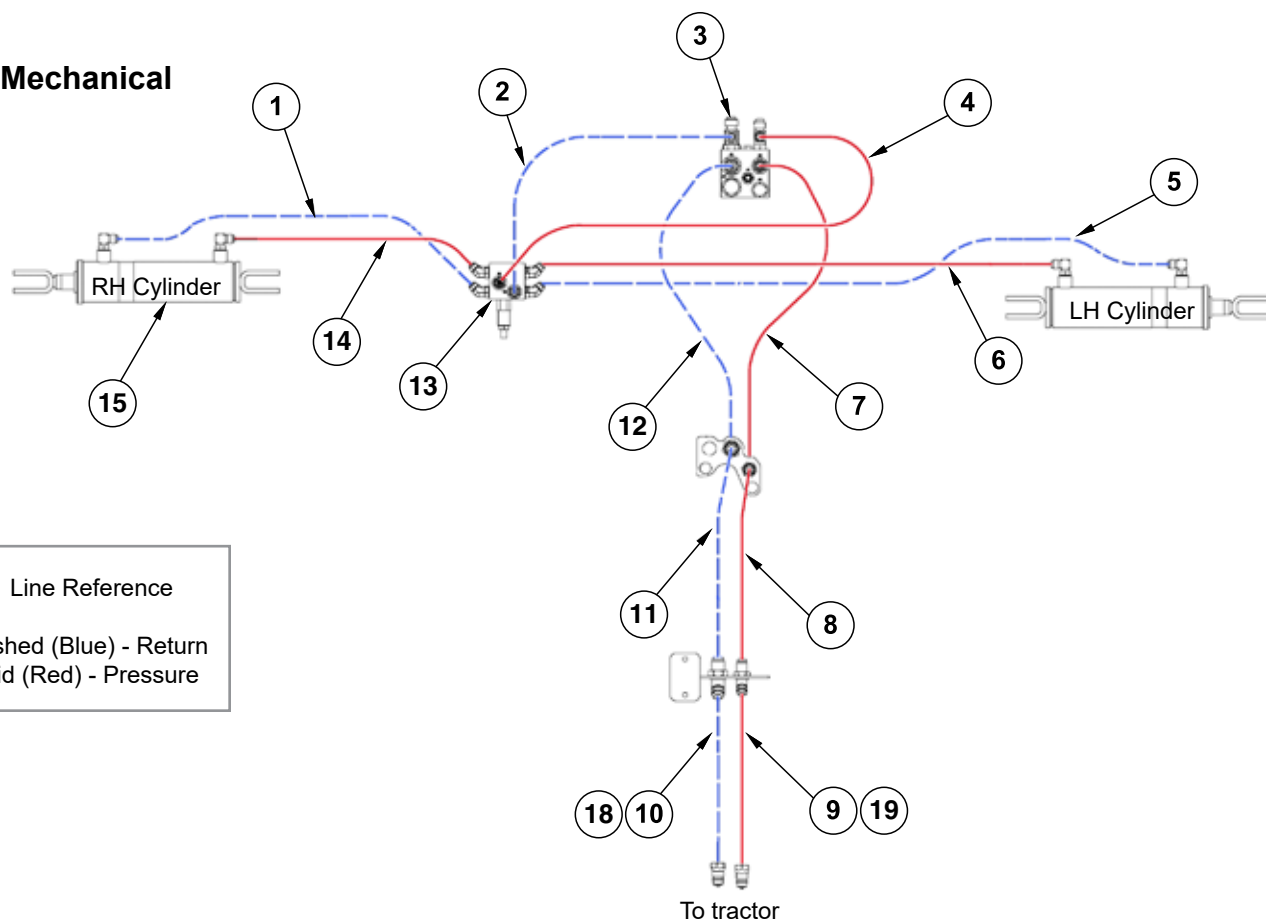
(IP1233-4)

16 Row Shown

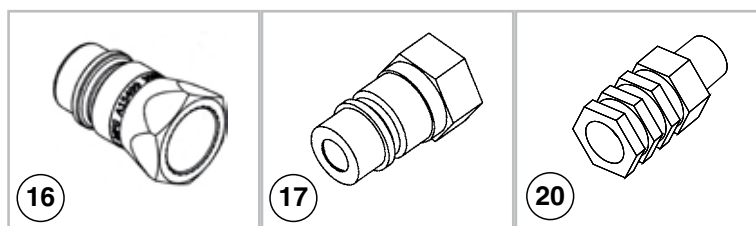
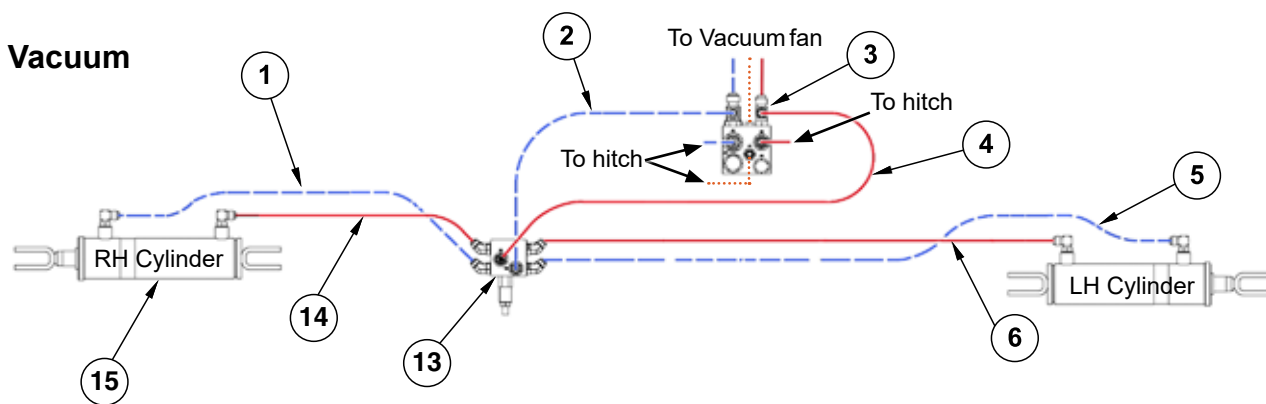


ITEM	PART NO.	QTY.	DESCRIPTION
1	G306-08	2	Lock Nut, 3/4"-16
2	G306-10	3	Lock Nut, 7/8"-14
3	G2700-08	2	Bulkhead Tube Union, 3/4"-16 Male JIC
4	G2700-10	2	Bulkhead Tube Union, 7/8"-14 Male JIC
5	G2703-08-08-10	1	Bulkhead Tee, 7/8"-14 Male JIC To 3/4"-16 JIC
6	G2603-08	4	Tee, 3/4"-16 Male JIC
7	6400-08 GR1037	4 -	Connector W/O-Ring, 3/4"-16 Male JIC To O-Ring
8	*A12090	2	Hose Assembly, 3/8" x 63"
9	*A8267	2	Hose Assembly, 1/2" x 58"
10	*A1076	6	Hose Assembly, 3/8" x 30"
11	*A1424	1	Hose Assembly, 1/2" x 30"
12	*A1404	1	Hose Assembly, 1/2" x 41"
13	*A3131	1	Hose Assembly, 3/8" x 42"
14	A3158	4	Hose Assembly, 3/8" x 46"
15	*A1057	2	Hose Assembly, 3/8" x 216"
16	*A1055	2	Hose Assembly, 3/8" x 66"
17	*A1097	2	Hose Assembly, 3/8" x 288"
18	*A1034	2	Hose Assembly, 3/8" x 272"
	*A1033	-	Hose Assembly, 3/8" x 250"
19	*A3122	4	Hose Assembly, 3/8" x 10 1/2"
20	*A1018	4	Hose Assembly, 3/8" x 40"
21	*A12041	1	Hose Assembly, 3/8" x 244"
22	G10235	1	Machine Bushing, 7/8", 14 Gauge
23	G2408-08	4	Plug, 3/4"-16
24	GA6608	-	Cable Guide
* Hydraulic hose is not stocked by Kinze Repair Parts.			

Mechanical

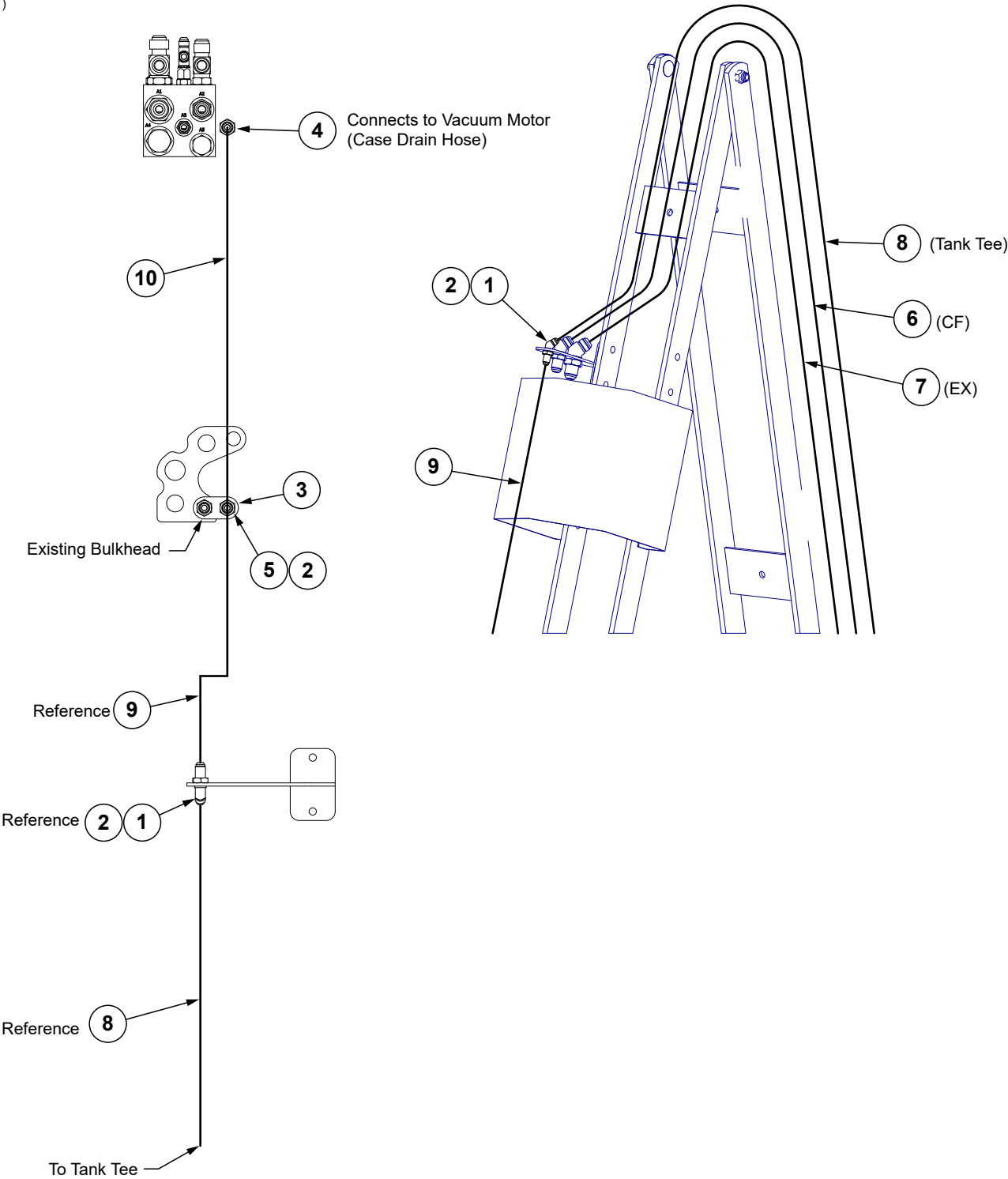


Vacuum



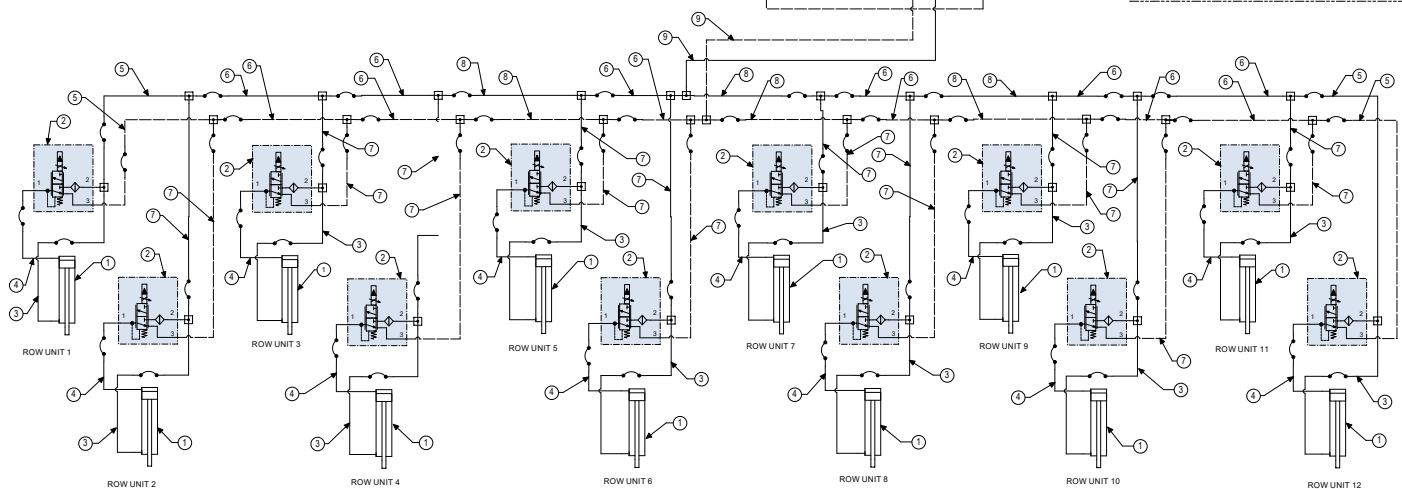
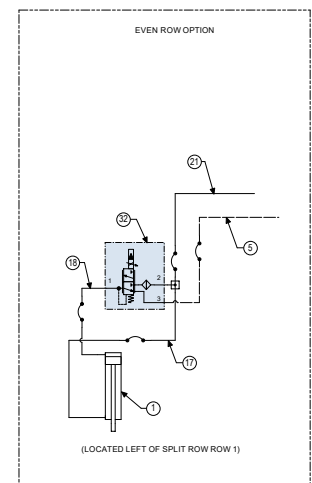
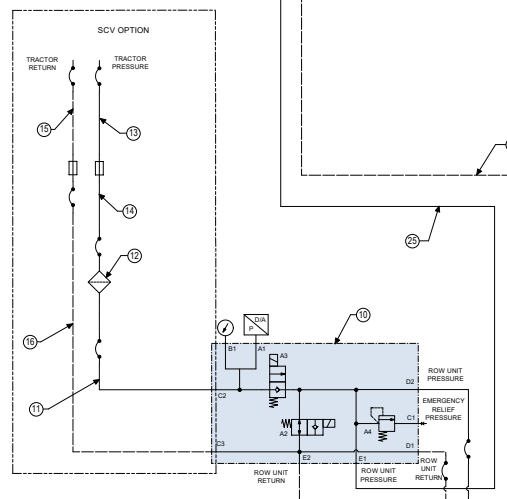
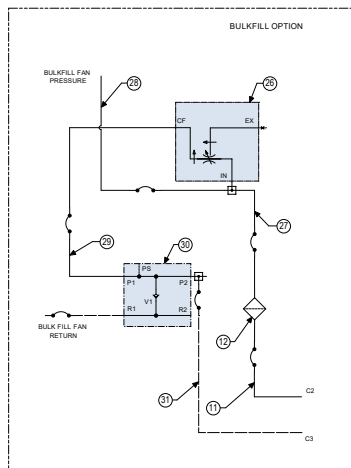
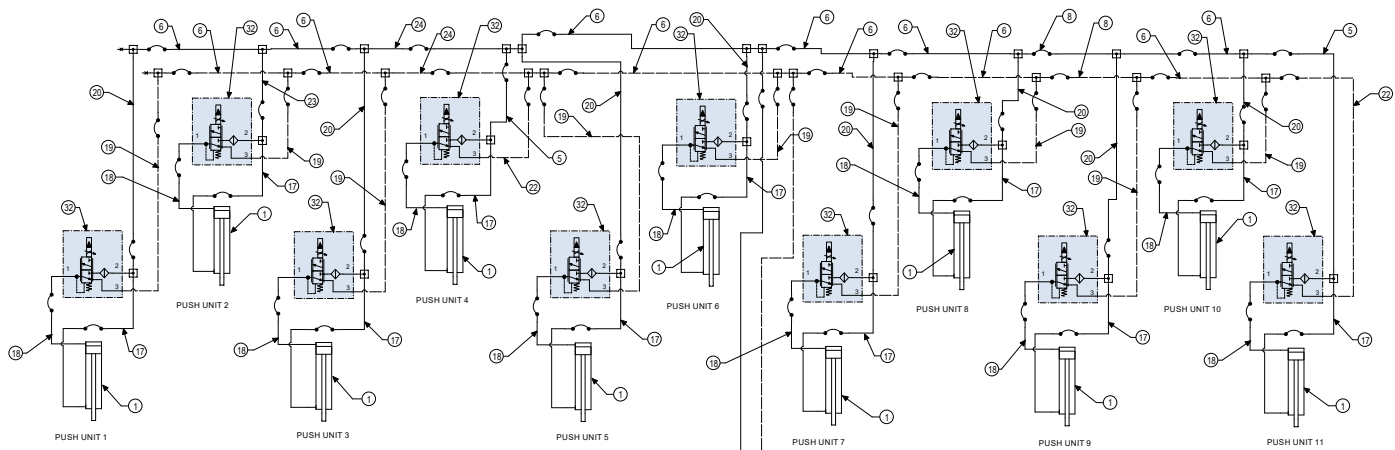
ITEM	PART NO.	QTY.	DESCRIPTION
1	*A1021	1	Hose Assembly, 3/8" x 56" (08F-08F)
2	*A12752	1	Hose Assembly, 1/2" x 23" (10F-12F)
3	---	-	See "Junction/Valve Blocks - Located on R.H. Rear Center Frame" on page P183
4	*A12085	1	Hose Assembly, 3/8" x 26" (08F-10F)
5	*A12076	1	Hose Assembly, 3/8" x 165" (08F-08F)
6	*A3117	1	Hose Assembly, 3/8" x 176" (08F-08F)
7	*A1464	1	Hose Assembly, 1/2" x 72" (10F-10F)
8	*A12751	1	Hose Assembly, 1/2" x 142 1/2" (10F-10F)
9	*A18693-206	1	Hose Assembly, 1/2" x 206" (10F-1/2M NPTF W/Ext., W/Tip), 12 Row
	*A18693-268	-	Hose Assembly, 1/2" x 268" (10F-1/2M NPTF W/Ext., W/Tip), 16 Row
10	*A21548-206	1	Hose Assembly, 5/8" x 206" (12F-1/2M NPTF W/Ext., W/Tip), 12 Row
	*A21548-266	-	Hose Assembly, 5/8" x 266" (12F-1/2M NPTF W/Ext., W/Tip), 16 Row
11	*A11442	1	Hose Assembly, 5/8" x 137 1/2" (12F-12F)
12	*A11443	1	Hose Assembly, 5/8" x 73" (12F-12F)
13	---	-	See "Wing Down Pressure Valve Block" on page P189
14	*A3158	1	Hose Assembly, 3/8" x 46" (08F-08F)
15	---	-	See "Wing Down Pressure Cylinder" on page P178
16	GA15499	-	Special Pioneer Coupler, Zero Pressure Return
	GD25522	-	Hydraulic Tip Cover
17	GD4086	-	ISO Coupler
18	GA26924-08	-	Hose Label/Cover, Yellow (Retract)
19	GA26924-07	-	Hose Label/Cover, Yellow (Extend)
20	GD36866	-	Fitting, 1/2"
* Hydraulic hose is not stocked by Kinze Repair Parts.			

(10217901)



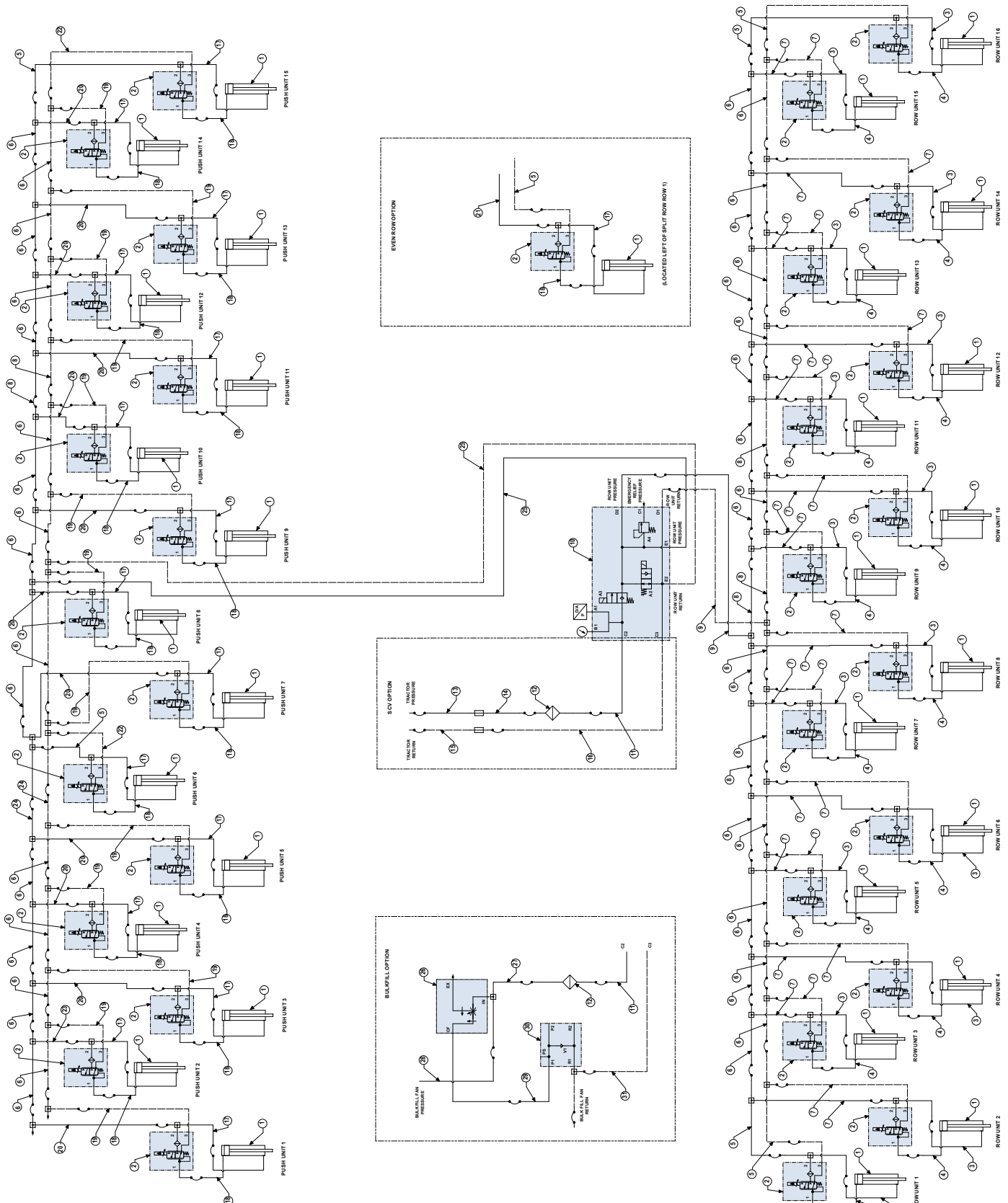
ITEM	PART NO.	QTY.	DESCRIPTION
1	G2702-06	1	Bulkhead Elbow, 45°, 1/16"-18 Male JIC
2	G306-06	2	Lock Nut, 1/16"-18
3	G10217801	1	Bulkhead Mount Bracket (Bulk Fill Only)
4	G2403-06	1	Union, 1/16"-18 Male JIC (Bulk Fill Only)
5	G2700-06-06	1	Bulkhead Tube Union, 1/16"-18 Male JIC
6	*A25706-82 *A25706-142	1	Hose Assembly, 1/2" x 82" (10F - 10F90S), 12 Row Hose Assembly, 1/2" x 142" (10F - 10F90S), 16 Row
7	*A21554-84 *A21554-144	1	Hose Assembly, 5/8" x 84" (10F90S - 12F), 12 Row Hose Assembly, 5/8" x 144" (10F90S - 12F), 16 Row
8	*A15092-86 *A15092-146	1	Hose Assembly, 3/8" x 86" (06F - 08F), 12 Row Hose Assembly, 3/8" x 146" (06F - 08F), 16 Row
9	*A12096	1	Hose Assembly, 3/8" x 140" (06F-08F)
10	*A12094	1	Hose Assembly, 3/8" x 73" (06F-06F)

* Hydraulic hose is not stocked by Kinze Repair Parts.



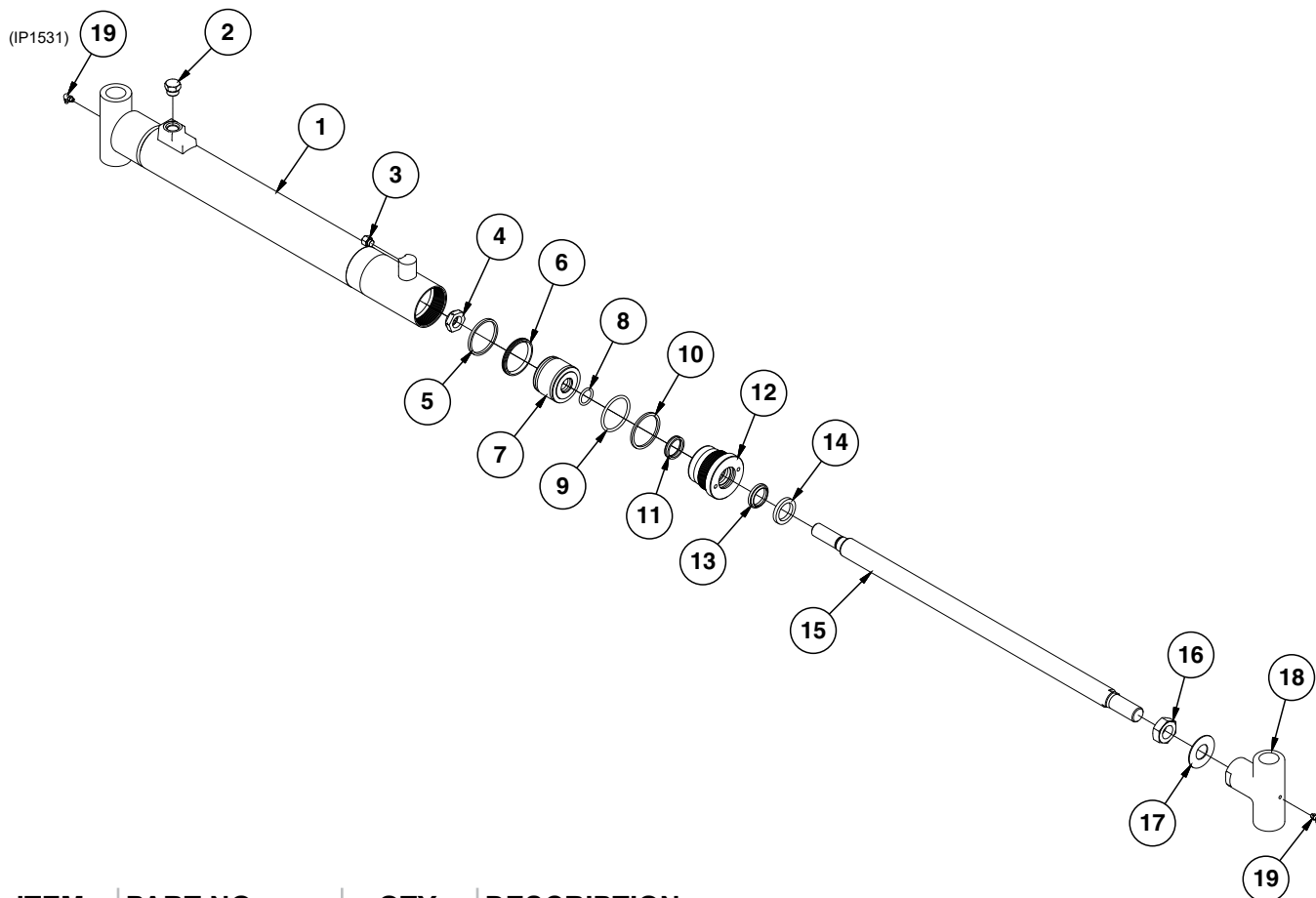
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25261	24	See "Hydraulic Down Force Cylinder" on page P181
2	---	12	See "Row Unit Control Block, Pull Row Units" on page P200
3	*A7677-20	12	Hose Assembly, 1/4" x 20" (04F - 04F STD 90)
4	*A7678-13	12	Hose Assembly, 1/4" x 13" (04F-04F)
5	*A7680-35	7	Hose Assembly, 1/4" X 35" (04F 90S-06F)
6	*A12038	24	Hose Assembly, 3/8" x 30" (06F-06F)
7	*A7680-14	20	Hose Assembly, 1/4" x 14" (04F-04F)
8	*A15081-36	8	Hose Assembly, 3/8" x 36" (06F-06F)
9	*A25504-30	2	Hose Assembly, 3/8" x 30" (06F-08F90S)
10	---	1	See "Hydraulic Down Force Manifold Block" on page P199
11	*A18671-30	2	Hose Assembly, 1/2" x 30" (08F-08F90S)
12	*A25857	2	See "Hydraulic Down Force Manifold Block and In-Line Filter Assembly" on page P197
13	*A18695-334	1	Hose Assembly, 1/2" x 334" (08F-1/2M NPTF W/Ext., W/Tip)
14	*A18667-160	1	Hose Assembly, 1/2" x 160" (08F-08F)
15	*A21550-334	1	Hose Assembly, 5/8" x 334" (10F-1/2M NPTF W/Ext., W/Tip)
16	*A21530-160	1	Hose Assembly, 5/8" x 160" (10F-10F)
17	*A7678-19	12	Hose Assembly, 1/4" x 19" (04F-04F)
18	*A7680-20	12	Hose Assembly, 1/4" x 20" (04F-06F)
19	*A7682-11	9	Hose Assembly, 1/4" x 11" (04L90F-06F)
20	*A7680-11	8	Hose Assembly, 1/4" x 11" (04F-06F)
21	*A7681-35	1	Hose Assembly, 1/4" x 35" (04F90S-06F)
22	*A7682-35	2	Hose Assembly, 1/4" x 35" (04L90F-06F)
23	*A7681-28	1	Hose Assembly, 1/4" x 28" (04F 90S-06F)
24	*A12080	2	Hose Assembly, 3/8" x 64" (06F-06F)
25	*A25690-48	2	Hose Assembly, 3/8" X 48" (06F-08F STD 90)
26	GA10918	1	Flow Control Valve
27	*A18683-37	1	Hose Assembly, 1/2" x 37" (10F-10F90S)
28	*A1408	1	Hose Assembly, 1/2" x 36" (10M-10F)
29	*A1464	1	Hose Assembly, 1/2" x 72" (10F-10F)
30	---	1	See "Bulk Fill Fan Valve Block" on page P195
31	*A25503	1	Hose Assembly, 5/8" x 60" (10F-12F)
32	---	12	See "Row Unit Control Block, Push Row Units" on page P201

* Hydraulic hose is not stocked by Kinze Repair Parts.



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25261	32	See "Hydraulic Down Force Cylinder" on page P181
2	---	32	See "Row Unit Control Block, Pull Row Units" on page P200
3	*A7677-20	16	Hose Assembly, 1/4" x 20" (04F - 04F STD 90)
4	*A7678-13	16	Hose Assembly, 1/4" x 13" (04F-04F)
5	*A7680-35	7	Hose Assembly, 1/4" X 35" (04F 90S-06F)
6	*A12038	40	Hose Assembly, 3/8" x 30" (06F-06F)
7	*A7680-14	28	Hose Assembly, 1/4" x 14" (04F-04F)
8	*A15081-36	8	Hose Assembly, 3/8" x 36" (06F-06F)
9	*A25504-30	8	Hose Assembly, 3/8" x 30" (06F-08F90S)
10	---	1	See "Hydraulic Down Force Manifold Block" on page P199
11	*A18671-30	2	Hose Assembly, 1/2" x 30" (08F-08F90S)
12	*A25857	2	See "Hydraulic Down Force Manifold Block and In-Line Filter Assembly" on page P197
13	*A18695-400	1	Hose Assembly, 1/2" x 400" (08F-1/2M NPTF W/Ext., W/Tip)
14	*A18667-160	1	Hose Assembly, 1/2" x 160" (08F-08F)
15	*A21550-400	1	Hose Assembly, 5/8" x 400" (10F-1/2M NPTF W/Ext., W/Tip)
16	*A21530-160	1	Hose Assembly, 5/8" x 160" (10F-10F)
17	*A7678-19	16	Hose Assembly, 1/4" x 19" (04F-04F)
18	*A7678-20	16	Hose Assembly, 1/4" x 20" (04F-06F)
19	*A7682-11	13	Hose Assembly, 1/4" x 11" (04L90F-06F)
20	*A7680-9	12	Hose Assembly, 1/4" x 9" (04F-06F)
21	*A7681-35	1	Hose Assembly, 1/4" x 35" (04F90S-06F)
22	*A7682-35	2	Hose Assembly, 1/4" x 35" (04L90F-06F)
23	*A7681-28	1	Hose Assembly, 1/4" x 28" (04F 90S-06F)
24	*A12080	2	Hose Assembly, 3/8" x 64" (06F-06F)
25	*A25690-48	2	Hose Assembly, 3/8" X 48" (06F-08F STD 90)
26	*A10918	1	Flow Control Valve
27	*A18683-37	1	Hose Assembly, 1/2" x 37" (10F-10F90S)
28	*A1408	1	Hose Assembly, 1/2" x 36" (10M-10F)
29	*A1464	1	Hose Assembly, 1/2" x 72" (10F-10F)
30	---	1	See "Bulk Fill Fan Valve Block" on page P195
31	*A25503	1	Hose Assembly, 5/8" x 60" (10F-12F)

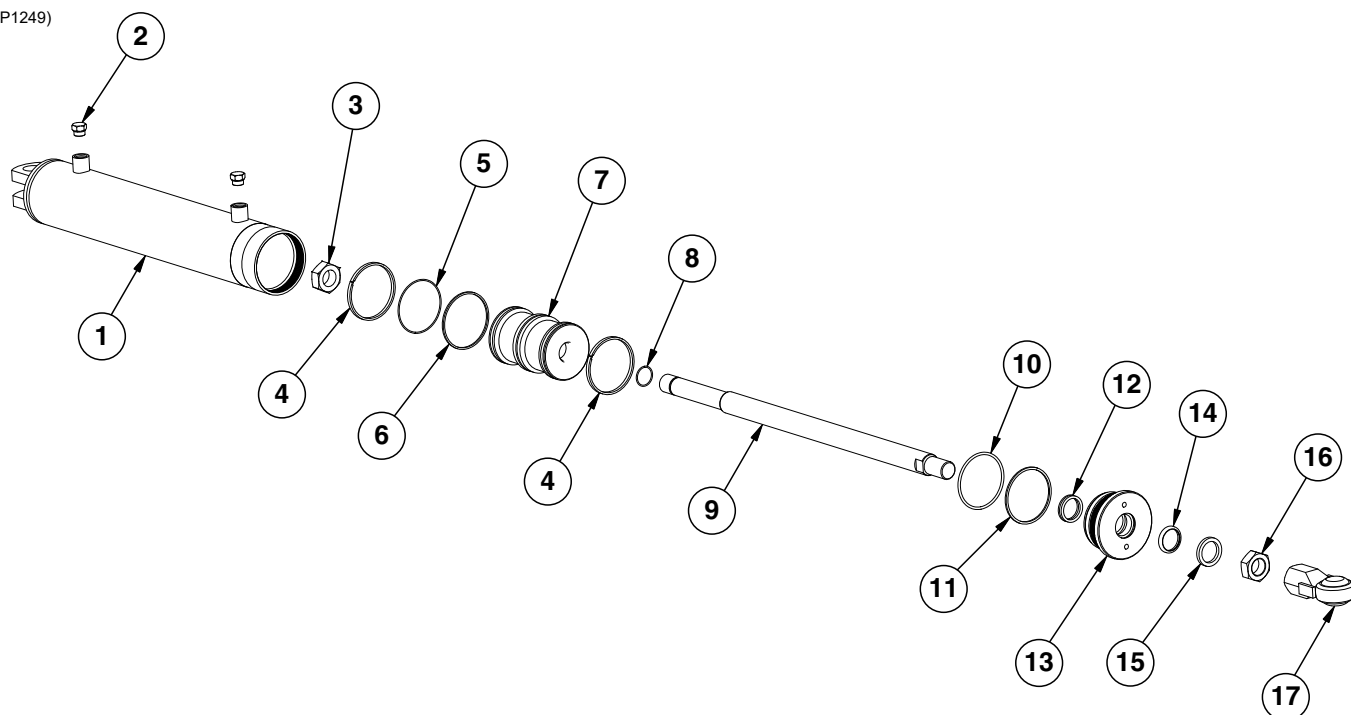
* Hydraulic hose is not stocked by Kinze Repair Parts.



ITEM	PART NO.	QTY.	DESCRIPTION
1	A14631	1	Barrel (Non-Stock Item)
2	G6408-08 GR1037	1	Plug W/O-Ring, $\frac{3}{4}$ "-16 O-Ring
3	G6408-04 GR1465	1	Plug W/O-Ring, $\frac{7}{16}$ "-20 O-Ring
4	GD27234	1	Nylon Lock Nut, $\frac{7}{8}$ "-14, Grade 8
5	*D12012	1	Piston Ring
6	*A24473	1	BP Seal
7	GD30264	1	Piston
8	*D30262	1	O-Ring, No. 213
9	*D12212	1	O-Ring, No. 330
10	*D12213	1	Back-Up Ring
11	*D12251	1	U-Cup
12	GD10207	1	Gland
13	*D12210	1	Wiper
14	GD12102	1	Ring, 1 $\frac{1}{4}$ "
15	GD30263	1	Rod
16	G10324	1	Hex Jam Nut, 1"-14, Grade 2
17	GD23002	1	Locking Device
18	GD14308	1	Threaded Sleeve End
19	G10779	2	Grease Fitting, 90°, $\frac{1}{4}$ "-28
A	GA21030	--	Cylinder Complete, 2 $\frac{1}{2}$ " x 20" (Part Number Stamped On Barrel)
B	GR1925	1	Seal Kit, Includes: (2) O-Rings, (1) Back-Up Ring, (1) U-Cup, (1) Wiper, (1) Piston Ring, (1) T-Seal

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

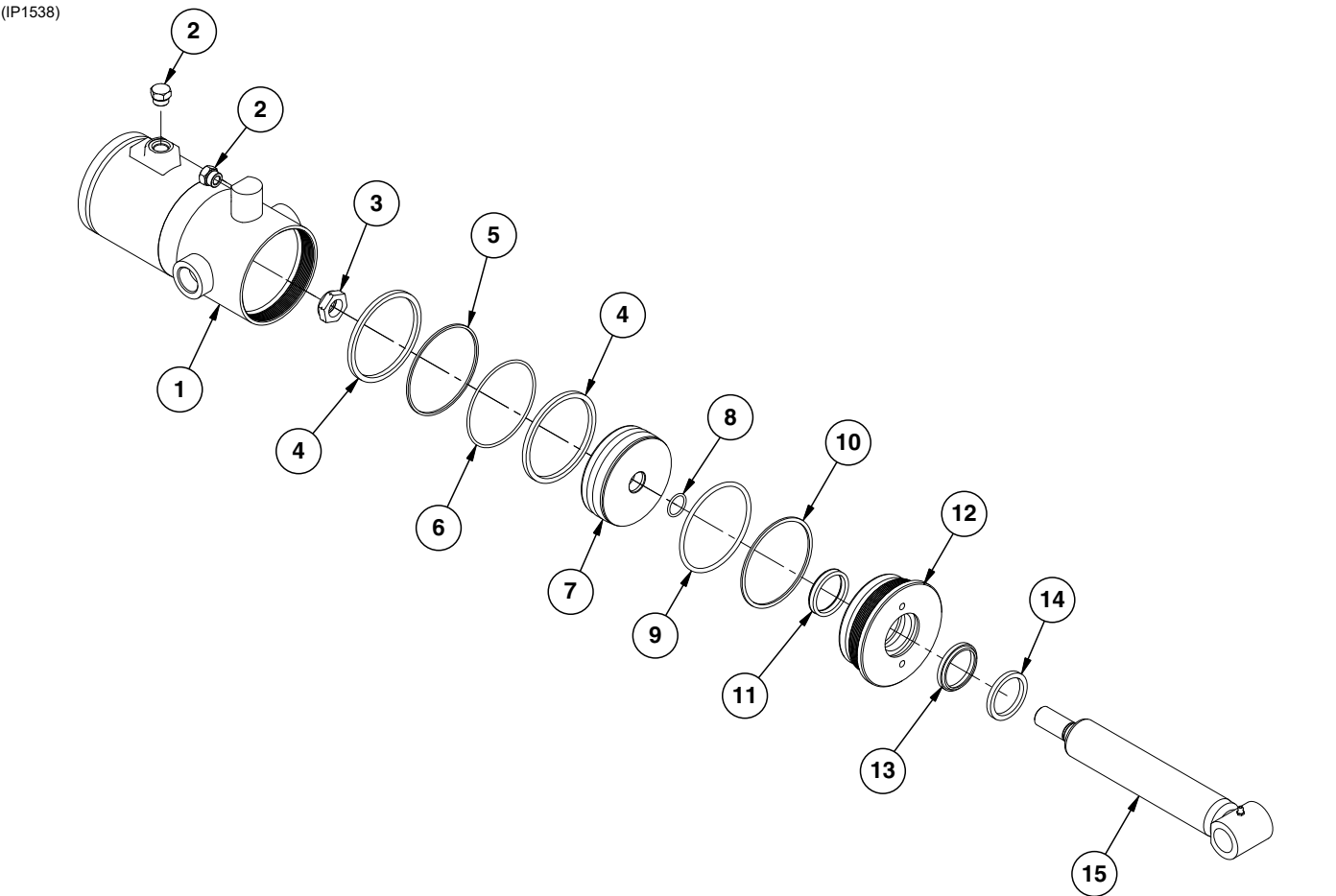
(IP1249)



ITEM	PART NO.	QTY.	DESCRIPTION
1	A7220	1	Barrel (Non-Stock Item)
2	G6408-08	2	Plug W/O-Ring, 3/4"-16 O-Ring
	GR1037	-	O-Ring
3	G10972	1	Lock Nut, 1 1/4"-12
4	*D12040	2	Cast Iron Ring
5	*D12072	1	Piston Seal
6	*D12224	1	Expander
7	GD11992	1	Piston
8	*D12223	1	O-Ring
9	GD11991	1	Rod
10	*D12221	1	O-Ring
11	*D12222	1	Backup Ring
12	*D12252	1	U-Cup
13	GD11988	1	Gland
14	*D12206	1	Wiper
15	GD12103	1	Ring
16	G11896	1	Hex Jam Nut, 1 1/4"-12, Grade 5
17	GA7221	1	Threaded Ball Joint End

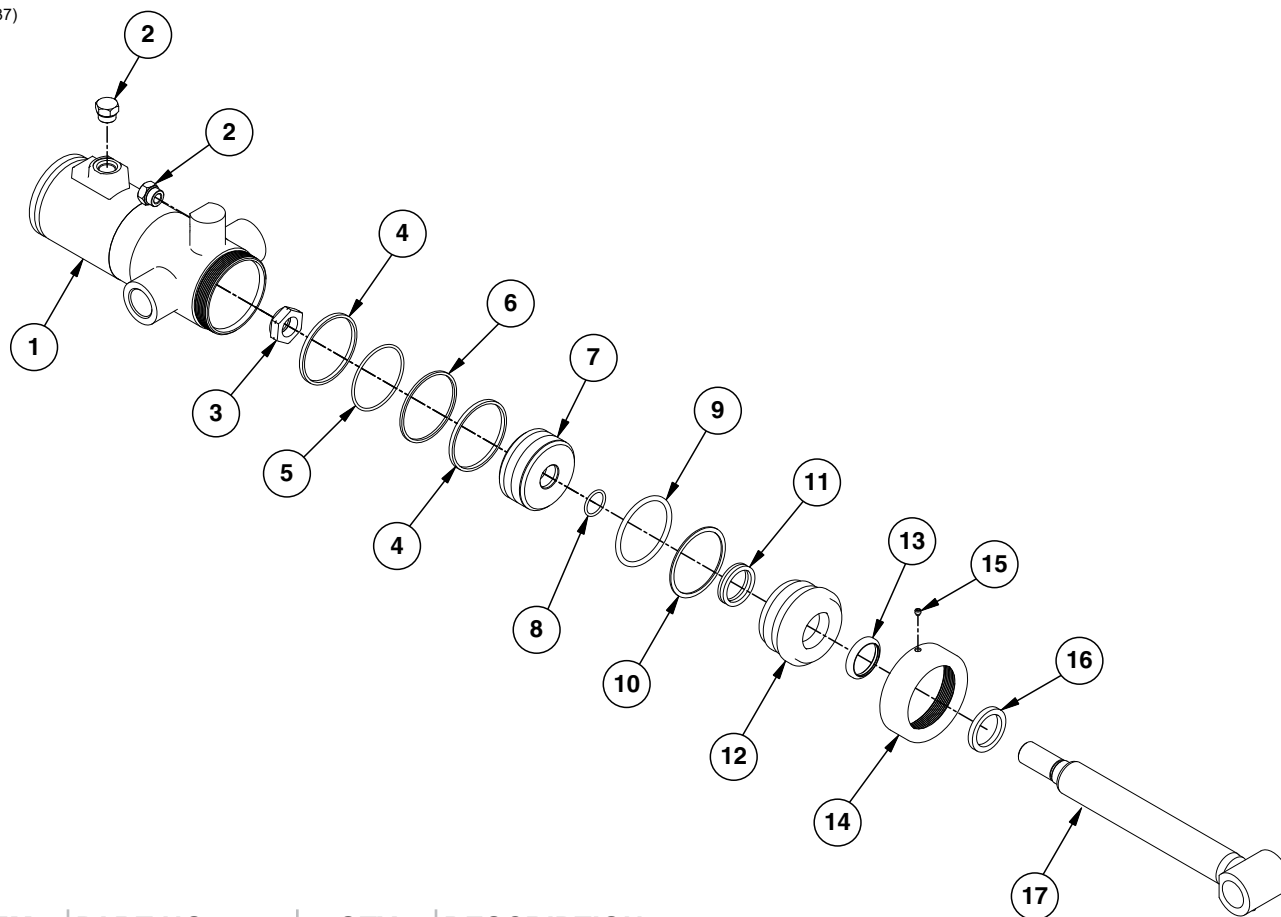
A	GA8904	-	Cylinder Complete, 4" x 16" (<i>Part Number Stamped On Barrel</i>)
B	GR1524	-	Seal Kit, Includes: (2) O-Rings, (1) U-Cup, (1) Wiper, (1) Seal, (2) Cast Iron Rings, (1) Backup Ring, (1) Expander

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



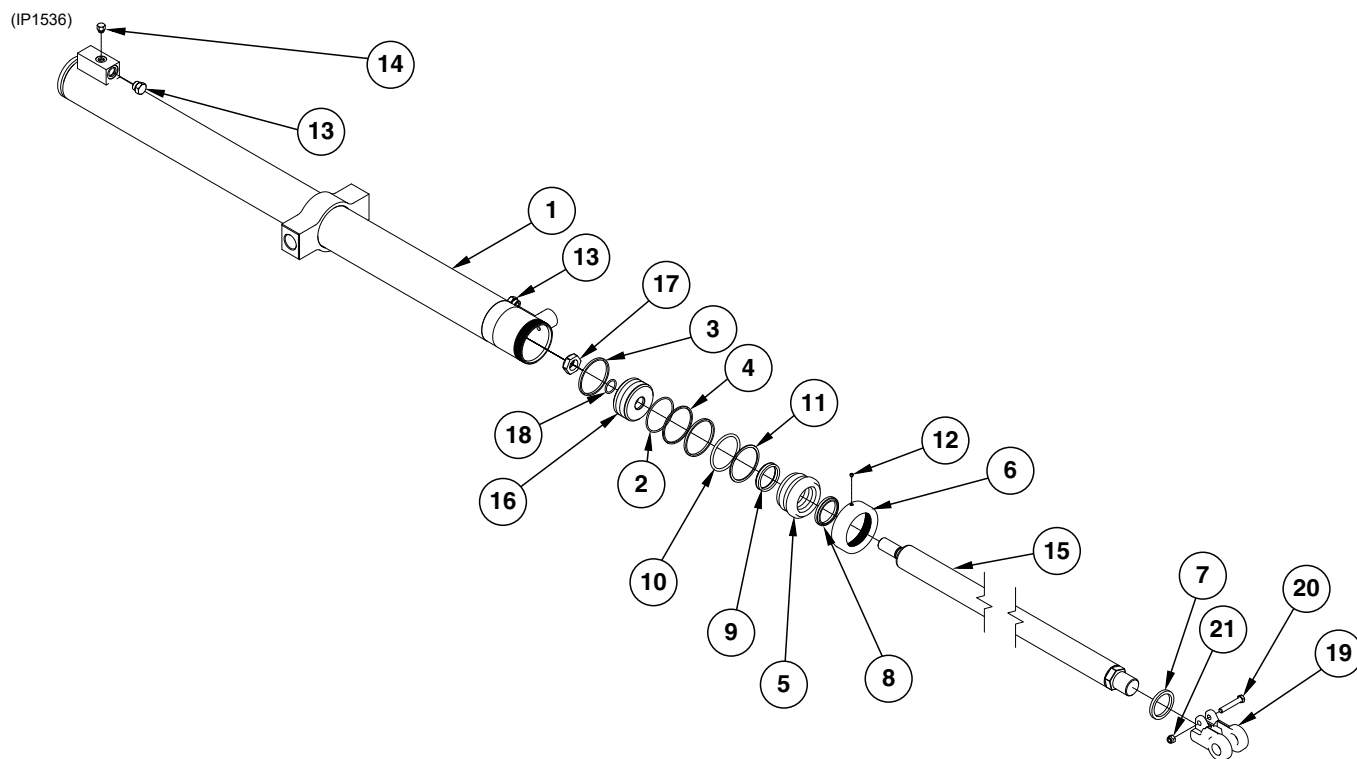
ITEM	PART NO.	QTY	DESCRIPTION
1	A14278	1	Barrel (Non-Stock Item)
2	G6408-08	2	Plug W/O-Ring, ¾"-16 O-Ring
	GR1037	-	O-Ring
3	GD27235	1	Nylon Lock Nut, 1"-14, Grade 8
4	*D12092	2	Cast Iron Piston Ring
5	*D12093	1	Piston Seal
6	*D12248	1	Energizer Seal
7	GD29651	1	Piston
8	*D29649	1	O-Ring, No. 215
9	*D12246	1	O-Ring, No. 348
10	*D12247	1	Back-up Ring
11	*D12255	1	U-Cup
12	GD12572	1	Gland
13	*D12240	1	Wiper, 2"
14	GD12106	1	Ring
15	GA20773	1	Rod, Style A (Part Number Stamped On Barrel - A20772)
	GA21590	-	Rod, Style B (Part Number Stamped On Barrel - A21589)
A	GA20772	--	Cylinder Complete, 4¾" x 6" (Part Number Stamped On Barrel), Style A
	GA21589	--	Cylinder Complete, 4¾" x 6.19" (Part Number Stamped On Barrel), Style B
B	GR2224	1	Seal Kit, Includes: (1)Wiper, (2) O-Rings, (1) Back-up Ring, (1) U-Cup, (1) Seal, (2) Cast Iron Rings, (1)Energizer Seal
* Item is part of seal kit, item can not be purchased individually.			

(IP1537)



ITEM	PART NO.	QTY	DESCRIPTION
1	GA9467	1	Barrel (Non-Stock Item)
2	G6408-08	2	Plug W/O-Ring, 3/4"-16 O-Ring
	GR1037	-	O-Ring
3	GD27235	1	Nylon Lock Nut, 1"-14, Grade 8
4	*D12110	2	Cast Iron Piston Ring
5	*D12108	1	Piston Seal
6	*D12257	1	Energizer Seal
7	GD30697	1	Piston
8	*D29649	1	O-Ring, No. 215
9	*D12227	1	O-Ring, No. 336
10	*D12228	1	Back-Up Ring
11	*D12252	1	U-Cup
12	GD13302	1	Gland
13	*D12206	1	Wiper, 1 1/2"
14	GD13303	1	Cap
	G10907	1	Set Screw, 1/4"-20 x 1/4"
15	G10907	1	Set Screw, 1/4"-20 x 1/4"
16	GD12103	1	Ring
17	GA21592	1	Rod
A	GA21591	--	Cylinder Complete, 3 1/4" x 6.19" (<i>Part Number Stamped On Barrel</i>)
B	GR1573	--	Seal Kit, Includes: (1)Wiper, (2) O-Rings, (1) Back-up Ring, (1) U-Cup, (1) Seal, (2) Cast Iron Rings, (1)Energizer Seal

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

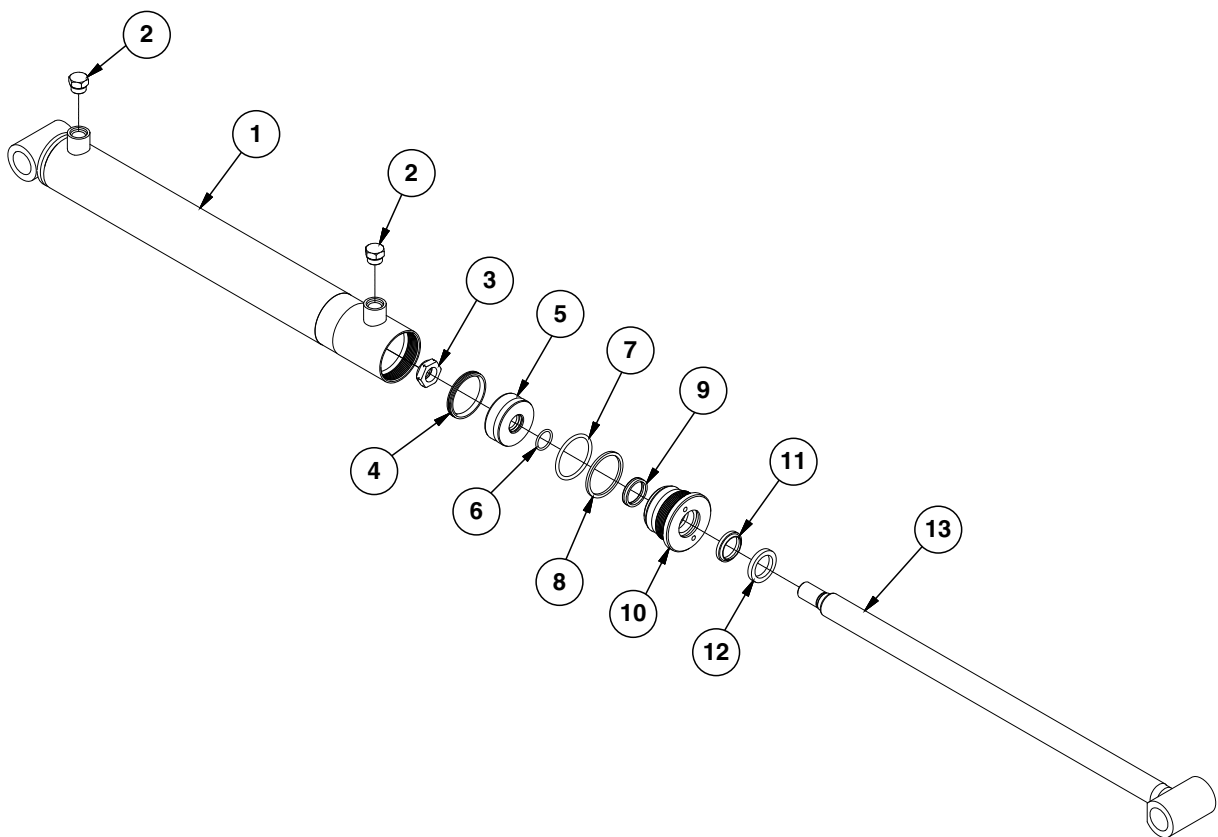


ITEM	PART NO.	QTY.	DESCRIPTION
1	A14275	1	Barrel (Non-Stock Item)
2	*D12108	1	Piston Seal
3	*D12110	2	Cast Iron Ring
4	*D12257	1	Expander
5	GD30881	1	Gland, 12 Row
	GD13307	1	Gland, 16 Row
6	GD13303	1	Cap
7	GD12106	1	Ring
8	*D12218	1	Wiper, 12 Row
	*D12240	1	Wiper, 16 Row
9	*D12254	1	U-Cup, 12 Row
	*D12255	1	U-Cup, 16 Row
10	*D12227	1	O-Ring
11	*D12228	1	Backup Ring
12	G10907	1	Set Screw, 1/4"-20 x 1/4"
13	G6408-08	2	Plug W/O-Ring, 3/4"-16 O-Ring
	GR1037	-	O-Ring
14	G6408-04	1	Plug W/O-Ring, 7/16"-20 O-Ring
	GR1465		O-Ring
15	GD30880	1	Rod, 12 Row
	GD30696	1	Rod, 16 Row
16	GD30697	1	Piston
17	GD27235	1	Nylon Lock Nut, 1"-14, Grade 8
18	*D29649	1	O-Ring, No. 215
19	GD30860	1	Clevis Rod
20	G10939	1	Hex Head Cap Screw, 3/8"-16 x 2 1/4"
21	G10108	1	Lock Nut, 3/8"-16
A	GA21813	---	Cylinder Complete, 3 1/4" x 48" (<i>Part Number Stamped On Barrel</i>), 12 Row
	GA21627	---	Cylinder Complete, 3 1/4" x 48" (<i>Part Number Stamped On Barrel</i>), 16 Row
B	GR2234	---	Seal Kit (12 Row), Includes: (1) Wiper, (1) Loaded U-Cup, (6) O-Rings, (3) BU Rings, (1) Piston Seal, (1) Energizer Seal, (1) Piston Ring
	GR2230	---	Seal Kit (16 Row), Includes: (1) Wiper, (1) Loaded U-Cup, (6) O-Rings, (4) BU Rings, (1) Piston Seal, (1) Energizer Seal, (1) Piston Ring

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

This page left blank intentionally.

(IP1533)

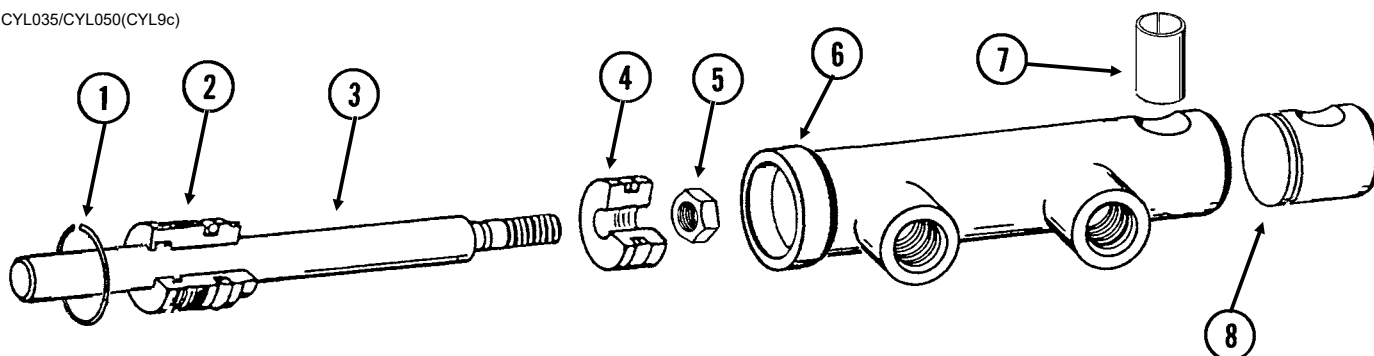


ITEM	PART NO.	QTY.	DESCRIPTION
1	A8822	1	Barrel (Non-Stock Item)
2	G6408-08 GR1037	2 -	Plug W/O-Ring, 3/4"-16 O-Ring O-Ring
3	GD27234	1	Nylon Lock Nut, 7/8"-14, Grade 8
4	*A24473	1	BP Seal
5	GD30401	1	Piston
6	*D30399	1	O-Ring, No. 119
7	*D12212	1	O-Ring, No. 330
8	*D12213	1	Back--Up Ring
9	*D12251	1	U-Cup
10	GD11985	1	Gland
11	*D12210	1	Wiper
12	GD12102	1	Ring
13	GA21114	1	Rod

A	GA21115	--	Cylinder Complete, 2 1/2" x 20 1/16" (<i>Part Number Stamped On Barrel</i>)
B	GR1522	--	Seal Kit, Includes: (1) BP Seal, (2) O-Rings, (1) Backup Ring, (1) U-Cup, (1) Wiper

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

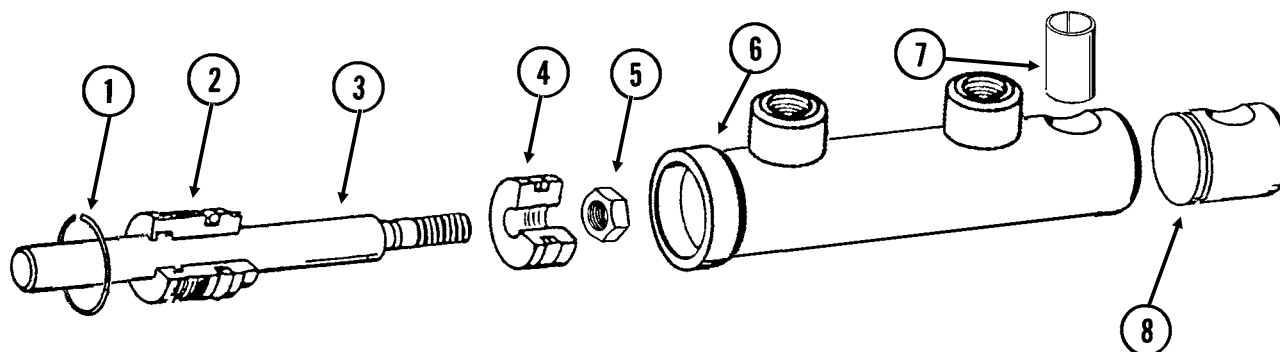
CYL035/CYL050(CYL9c)



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

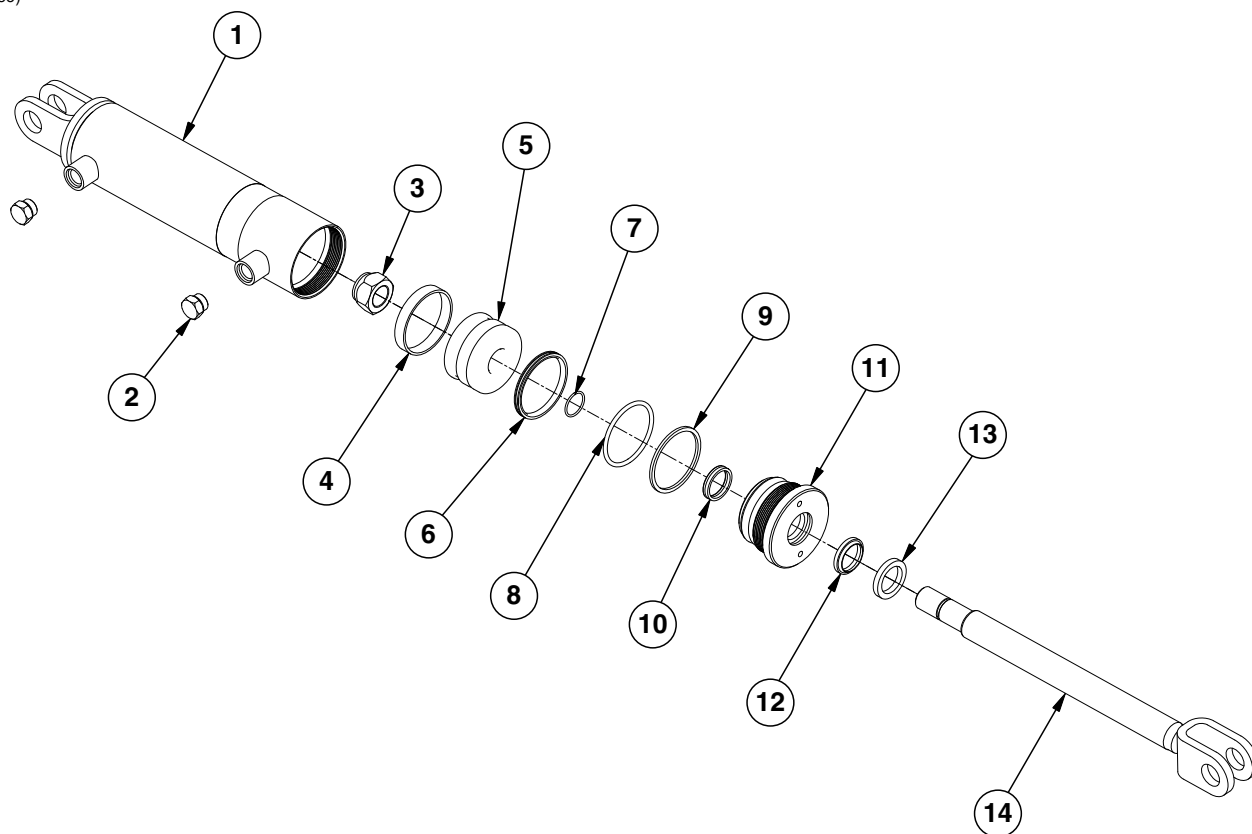
Tongue Lock Cylinder

CYL035(CYL9d)



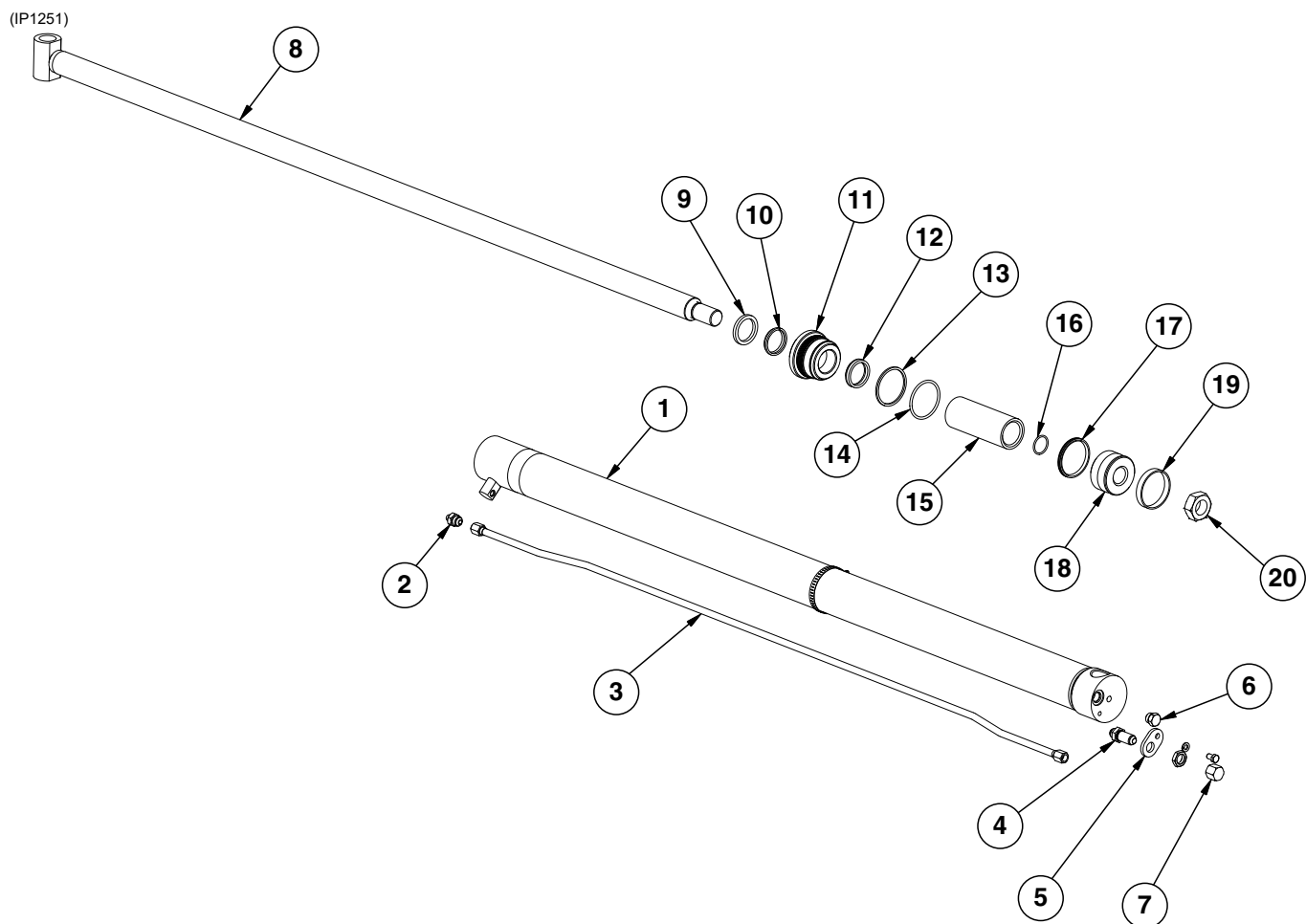
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10770	1	Internal Retaining Ring, 1 $\frac{1}{16}$ "
2	GD13170	1	Gland
3	GD13171	1	Rod
4	GD13172	1	Piston
5	GD27232	1	Nylon Lock Nut, $\frac{1}{2}$ "-20, Grade 8
6	D13169	1	Barrel (Non-Stock Item)
7	GD13400	1	Tension Bushing, 1" x 2" Long
8	GD13173	1	End Cap
A	GA9205	-	Cylinder Complete, 1 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ " (Part Number Stamped On Barrel)
B	GR1598	-	Seal Kit, Includes: (3) O-Rings, (2) BU Rings, (1) Wiper, (1) T-Seal, (1) Bronze Bushing, (1) Seal, (1) U-Cup

(IP1285)



ITEM	PART NO.	QTY.	DESCRIPTION
1	A14480	1	Barrel (Non-Stock Item)
2	G6408-08 GR1037	2 -	Plug W/O-Ring, 3/4"-16 O-Ring O-Ring
3	G10958	1	Lock Nut, 1"-14
4	*D12047	1	Wear Ring
5	GD12502	1	Piston
6	*A24016	1	BP Seal
7	*D12226	1	O-Ring, No. 120
8	*D12202	1	O-Ring, No. 334
9	*D12203	1	BU Ring
10	*D12251	1	U-Cup
11	GD11999	1	Gland
12	*D12210	1	Wiper
13	GD12102	1	Ring
14	GA14478	1	Rod
A	GA14481	-	Cylinder Complete, 3" x 8" (<i>Part Number Stamped On Barrel</i>)
B	GR1526	1	Seal Kit, Includes: (1) Wear Ring, (2) O-Rings, (1) BU Ring, (1) U-Cup, (1) Wiper, (1) BP Seal

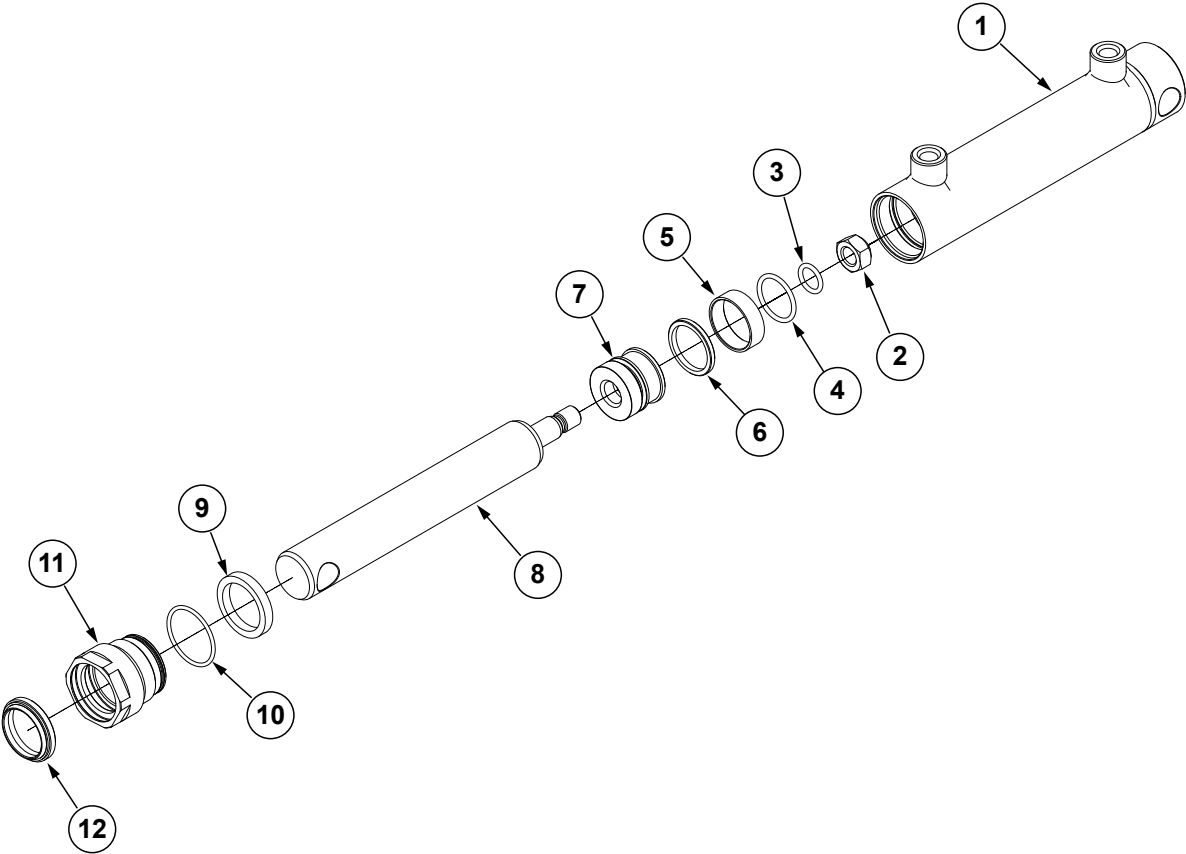
* Item is part of seal kit, item can not be purchased individually.



ITEM	PART NO.	QTY.	DESCRIPTION
1	A13937	1	Barrel, 12 Row (Non-Stock Item)
	A13953	-	Barrel, 16 Row (Non-Stock Item)
2	G6400-08-04	1	Connector W/O-Ring, 3/4"-16 Male JIC To 7/16"-20 O-Ring
	GR1465	-	O-Ring
3	GA13939	1	Hydraulic Tube Assembly, 62 7/8", 12 Row
	GA8979	-	Hydraulic Tube Assembly, 92 1 1/16", 16 Row
	G10990	1	Hose Clamp, No. 52
4	G2700-08	1	Bulkhead Tube Union, 3/4"-16 Male JIC
	G306-08	1	Lock Nut, 3/4"-16
5	GD12597	1	Bracket
	G10328	1	Hex Head Cap Screw, 3/8"-16 x 5/8"
	G10229	1	Lock Washer, 3/8"
6	G6408-08	1	Plug W/O-Ring, 3/4"-16 O-Ring
	GR1037	-	O-Ring
7	G304-C-8	1	Cap Nut, 3/4"-16
8	GA13935	1	Rod Assembly, 12 Row
	GA8859	-	Rod Assembly, 16 Row
9	GD12104	1	Ring
10	*D12200	1	Wiper
11	GD11984	1	Gland
12	*D12253	1	U-Cup
13	*D12203	1	BU Ring
14	*D12202	1	O-Ring, No. 334
15	GD7147	1	Spacer
16	*D12204	1	O-Ring, No. 218
17	*A24016	1	BP Seal
18	GD11970	1	Piston
19	*D12047	1	Wear Ring
20	G10972	1	Lock Nut, 1 1/4"-12
A	GA13938	-	Cylinder Complete, 3" x 54", 12 Row (<i>Part Number Stamped On Barrel</i>)
B	GA13954	-	Cylinder Complete, 3" x 84", 16 Row (<i>Part Number Stamped On Barrel</i>)
C	GR1519	-	Seal Kit Includes: (2) O-Rings, (1) BU Ring, (1) Wear Ring, (1) Wiper, (1) U-Cup, (1) BP Seal

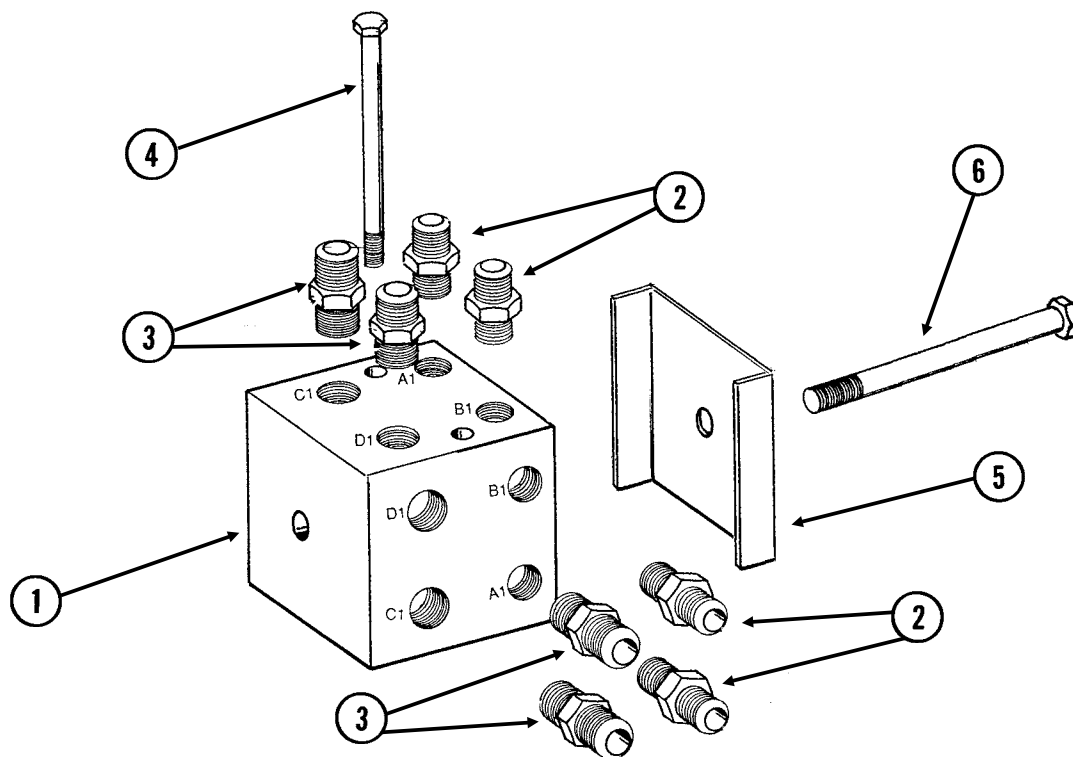
* Item is part of seal kit, item can not be purchased individually.

(IP1531)



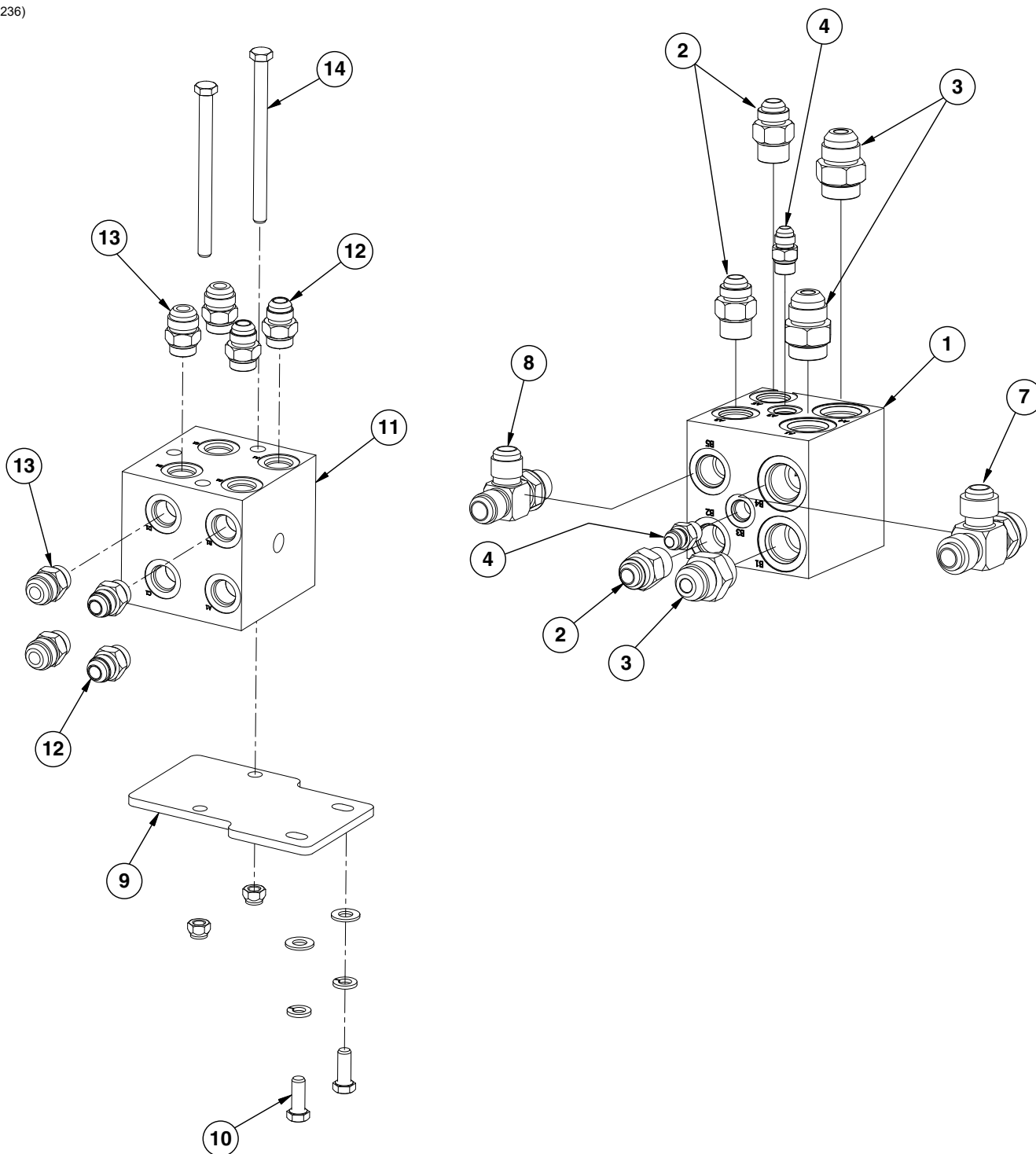
ITEM	PART NO.	QTY.	DESCRIPTION
1	R2282	1	Barrell (Non-Stock Item)
2	*R2309	1	Piston Nut
3	*R2303	1	O-Ring
4	*R2300	1	Piston O-Ring
5	*R2302	1	Wear Band
6	*R2301	1	Piston Seal
7	*R2308	1	Piston
8	*R2281	1	Cylinder Rod
9	*R2305	1	Rod Seal
10	*R2304	1	O-Ring
11	*R2283	1	Head Gland
12	*R2307	1	Wiper
A	GA25261	-	Cylinder Complete, 1¼" x 4¼"
B	GR2362	-	Piston Rod and Seals Assembly, Includes Items 2-8
C	GR2363	-	Head Gland and Seals Assembly, Includes Items 9-12
* Item is part of a sub-assembly, item can not be purchased individually.			

VVB036(TWL24k)



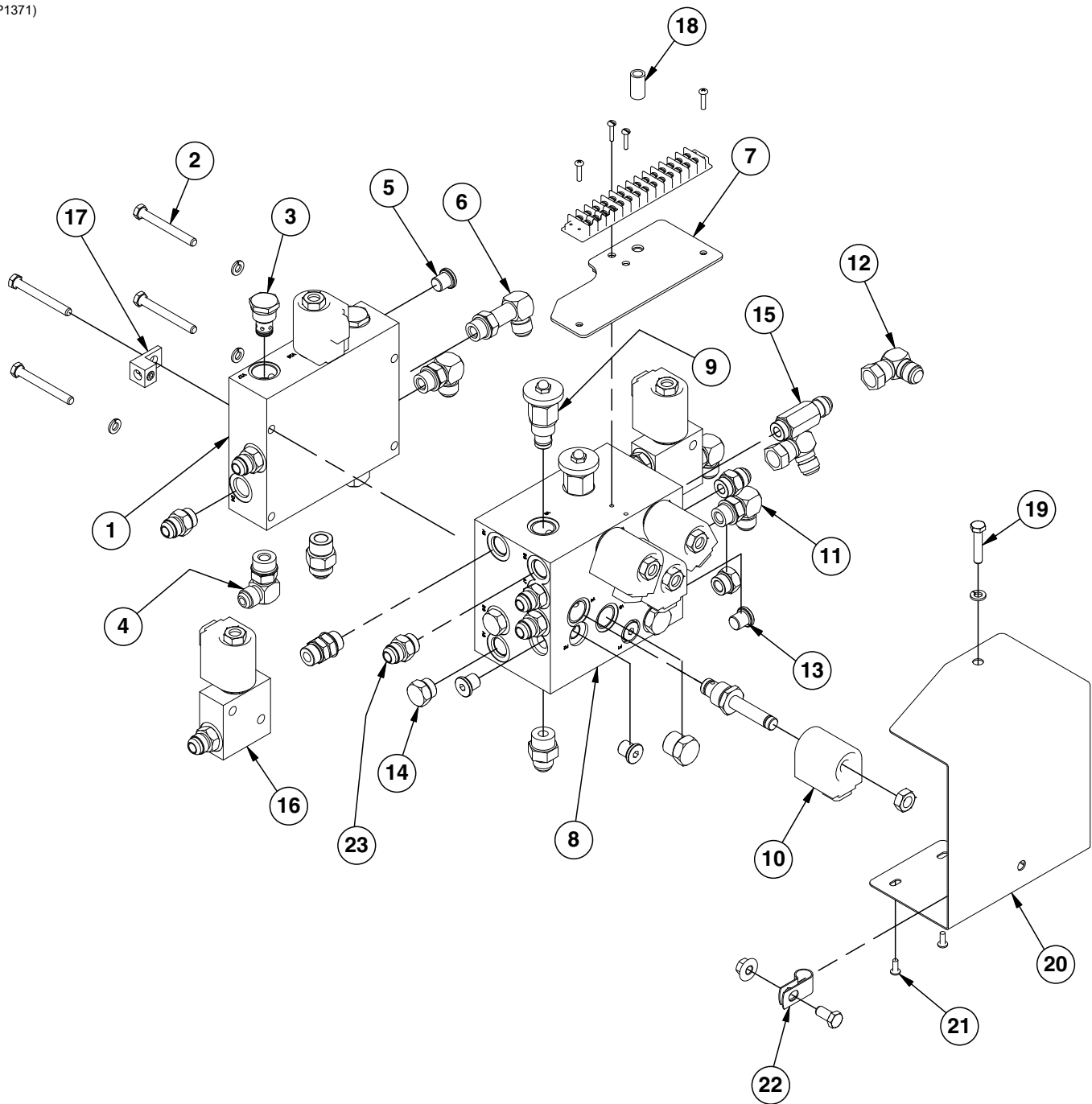
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD9971	1	Manifold Block
2	6400-08	4	Connector W/O-Ring, 3/4"-16 Male JIC To O-Ring
	GR1037	-	O-Ring
3	G6400-10-08	4	Connector W/O-Ring, 7/8"-14 Male JIC To 3/4"-16 O-Ring
	GR1037	-	O-Ring
4	G10172	2	Hex Head Cap Screw, 3/8"-16 x 5"
	G10229	2	Lock Washer, 3/8"
	G10101	2	Hex Nut, 3/8"-16
5	GD0740	1	Hose Clamp, 3/4" x 4" x 3 1/2"
6	G10871	1	Hex Head Cap Screw, 1/2"-13 x 6"
	G10228	1	Lock Washer, 1/2"
	G10102	1	Hex Nut, 1/2"-13

(IP1236)



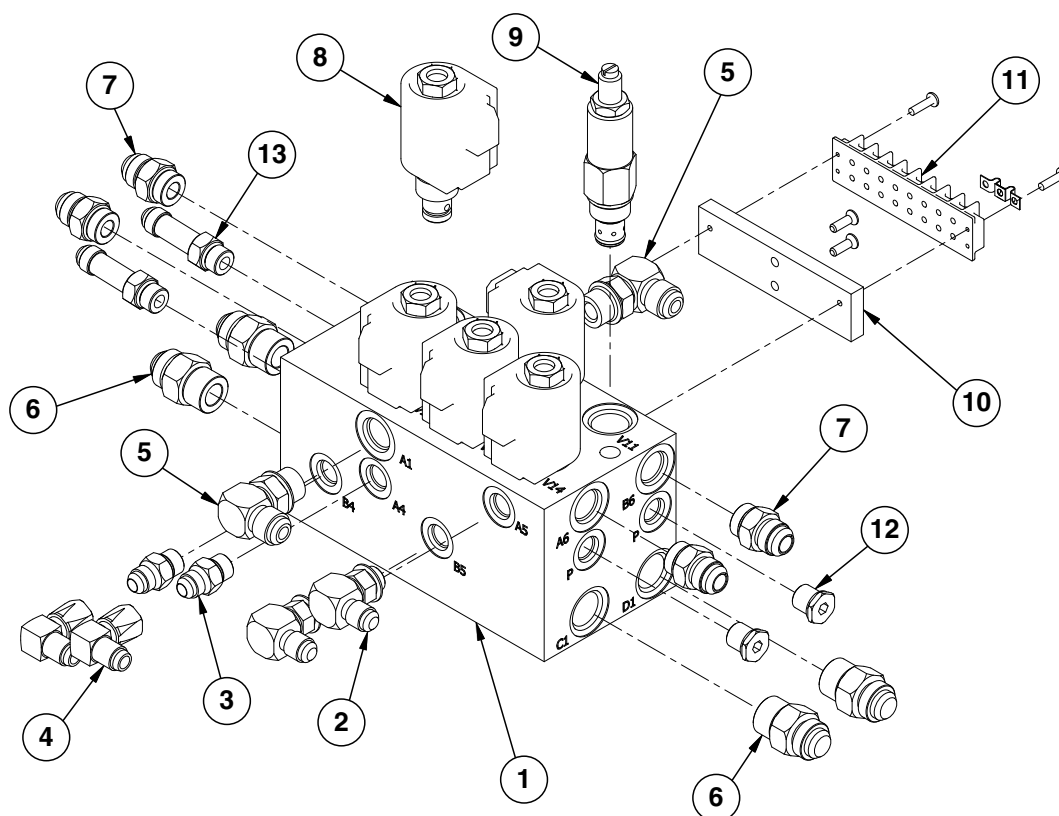
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD20697	1	Fan Junction Block
2	G6400-10	3	Connector W/O-Ring, 7/8"-14 Male JIC To O-Ring
	GR1037	-	O-Ring
3	G6400-12	3	Connector, W/O-Ring, 1 1/16"-12 Male JIC To O-Ring
	GR1467	-	O-Ring
4	G6400-06	2	Connector W/O-Ring, 9/16"-18 Male JIC To O-Ring
	GR1045	-	O-Ring
5	---	-	---
6	---	-	---
7	G6804-12	1	Adjustable Tee W/O-Ring, 1 1/16"-12 Male JIC To O-Ring
	GR1467	-	O-Ring
8	G6804-10	1	Adjustable Tee W/O-Ring, 7/8"-14 Male JIC To O-Ring
9	GD20695	1	Extension Plate
10	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
	G10229	2	Lock Washer, 3/8"
	G11387	2	Flat Washer, 3/8" SAE
11	GD9971	1	Manifold Block
12	6400-08	4	Connector W/O-Ring, 3/4"-16 Male JIC To O-Ring
	GR1037	-	O-Ring
13	G6400-10-08	4	Connector W/O-Ring, 7/8"-14 Male JIC To 3/4"-16 O-Ring
	GR1037	-	O-Ring
14	G10172	2	Hex Head Cap Screw, 3/8"-16 x 5"
	G10108	2	Lock Nut, 3/8"-16

(IP1371)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GD9977	1	Block
	G6801-08	1	Elbow W/O-Ring, 90°, ¾"-16 Male JIC To O-Ring
	GR1037	-	O-Ring
	6400-08	2	Connector W/O-Ring, ¾"-16 Male JIC To O-Ring
	GR1037	-	O-Ring
	G6400-10	1	Connector W/O-Ring, ⅞"-14 Male JIC To O-Ring
	GR1466	-	O-Ring
	---	1	See "Solenoid Valve" on page P196
2	G10583	4	Hex Head Cap Screw, ⅝"-18 x 2¾"
	G10232	3	Lock Washer, ⅝"
3	GA4293	2	Check Valve
	GR2041	-	Seal Kit (Included W/GA4293)
4	G6801-08-10	2	Elbow W/O-Ring, 90°, ¾"-16 Male JIC To ⅞"-14 O-Ring
	GR1466	-	O-Ring
	6403-NWO-08	2	Adjustable Union, ¾"-16 O-Ring
5	G6408-H06-O	1	Hex Socket Head Plug W/O-Ring, ⅝"-18 O-Ring
	GR1045	-	O-Ring
6	G6801-L-08	1	Long Elbow W/O-Ring, 90°, ¾"-16 Male JIC To O-Ring
	GR1037	-	O-Ring
7	GA13741	1	Terminal Strip Mount
	G11113301	2	Torx Pan Head Machine Screw, No. 10-24 x ¾", Stainless Steel
	G11109601	2	Torx Pan Head Machine Screw, No. 8-32 x ¾", Stainless Steel
	GA9097	1	Terminal Strip W/Screws, No. 6, 14 Terminal
	GD13310	3	Jumper, ⅞"
8	GD9533	1	Block
	G6408-10	2	Plug W/O-Ring, ⅞"-14 O-Ring
	GR1466	-	O-Ring
	6400-08	7	Plug W/O-Ring, ¾"-16 O-Ring
	GR1037	-	O-Ring
9	GA3413	2	Flow Control Valve
10	---	6	See "Solenoid Valve" on page P196
11	G6801-08	2	Elbow W/O-Ring, 90°, ¾"-16 Male JIC To O-Ring
	GR1037	-	O-Ring
12	G6500-08	2	Swivel Elbow, 90°, ¾"-16 Male JIC To Female
13	G6408-H06-O	5	Hex Socket Head Plug W/O-Ring, ⅝"-18 O-Ring
	GR1045	-	O-Ring
14	G6408-08	4	Plug W/O-Ring, ¾"-16 O-Ring
	GR1037	-	O-Ring
15	G6400-L-08	1	Long Connector W/O-Ring, ¾"-16 Male JIC To O-Ring
16	GD14528	2	Valve Block
17	GA3584	1	Ground Clamp
18	GD8066-02	1	Sleeve, 1" Long
19	G10133	1	Hex Head Cap Screw, ⅝"-18 x 1½"
	G10232	1	Lock Washer, ⅝"
20	GD13146	1	Valve Block Cover
21	G10977	2	Phillips Pan Head Machine Screw, No. 10-24 x ½", Stainless Steel
22	GD34779	1	Insulated Clamp, ⅞"
	G10002	1	Hex Head Cap Screw, ⅜"-16 x ¾"
	G11091	1	Serrated Flange Nut, ⅜"-16
23	6403-NWO-08	2	Adjustable Union W/O-Ring, ¾"-16
A	GR0764	-	Seal Kit, Includes: (2) O-Rings, (1) BU Ring

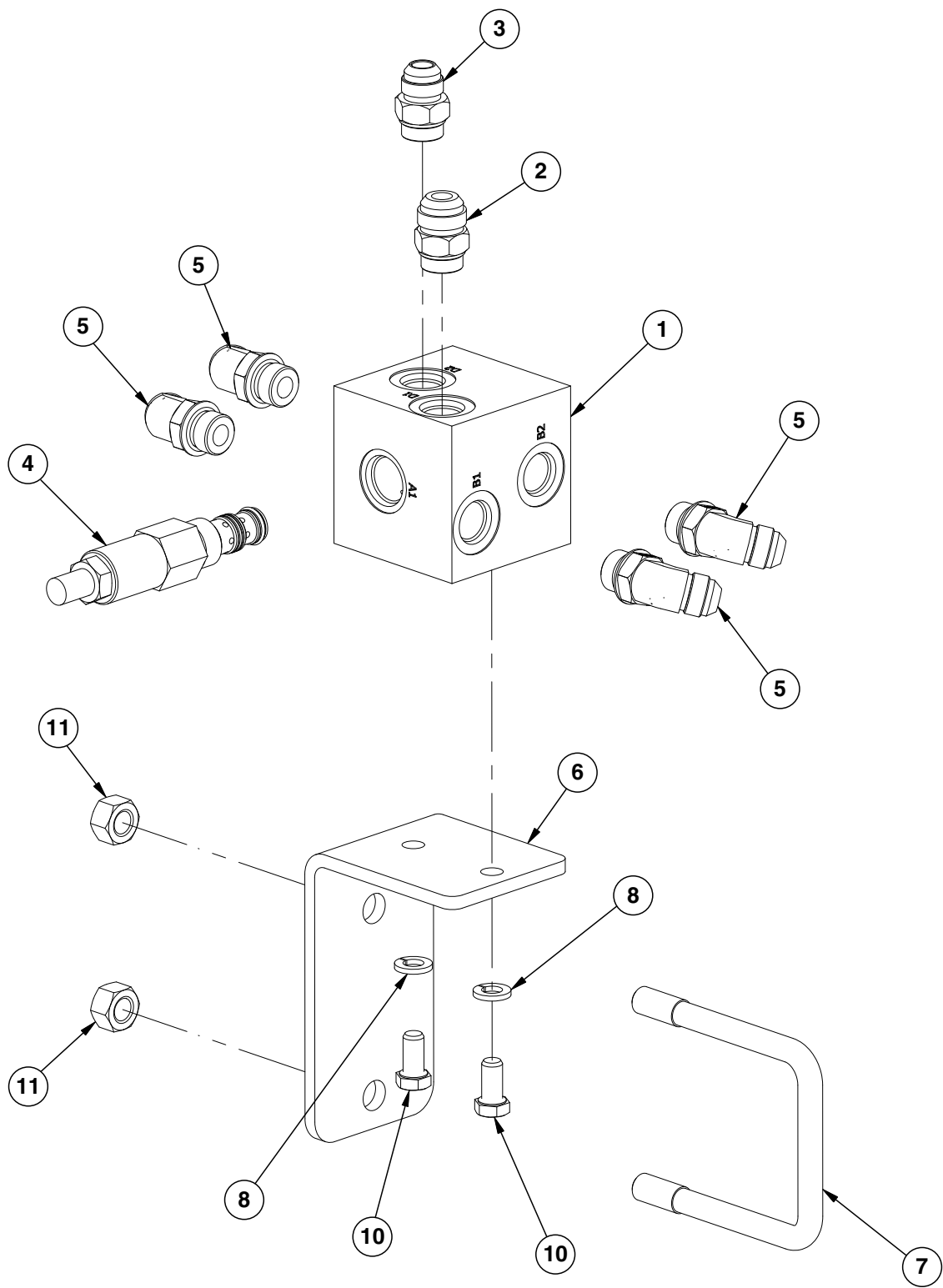
(IP1110/IP1111)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GD9905	1	Block
2	G6801-06 GR1045	2 -	Elbow W/O-Ring, 90°, 1/16"-18 Male JIC To O-Ring O-Ring
3	G6400-06 GR1045	2 -	Connector W/O-Ring, 1/16"-18 Male JIC To O-Ring O-Ring
4	G6500-06	2	Swivel Elbow, 90°, 1/16"-18 Male JIC To Female
5	G6801-08 GR1037	2 -	Elbow W/O-Ring, 90°, 3/4"-16 Male JIC To O-Ring O-Ring
6	G6400-10 GR1466	4 -	Connector W/O-Ring, 7/8"-14 Male JIC To O-Ring O-Ring
7	6400-08 GR1037	4 -	Connector W/O-Ring, 3/4"-16 Male JIC To O-Ring O-Ring
8	---	-	See "Solenoid Valve" on page P196
9	GA3407	-	Pressure Relief Valve, 1000 PSI
10	GD12818 G11068	1 2	Terminal Strip Mount Phillips Flat Head Machine Screw, No. 10-24 x 5/8", Stainless Steel
11	GA9098 GD13310 G11065	1 2 2	Terminal Strip W/Screws, No. 6, 8 Terminal Jumper, 7/16" Phillips Pan Head Machine Screw, No. 8-32 x 5/8", Stainless Steel
12	G6408-H06-0 GR1045	2 -	Hex Socket Head Plug W/O-Ring, 1/16"-18 O-Ring
13	G6400-L-06 GR1045	2 -	Long Connector W/O-Ring, 1/16"-18 Male JIC To O-Ring O-Ring
A	GR0764	-	Seal Kit, Includes: (2) O-Rings, (1) BU Ring

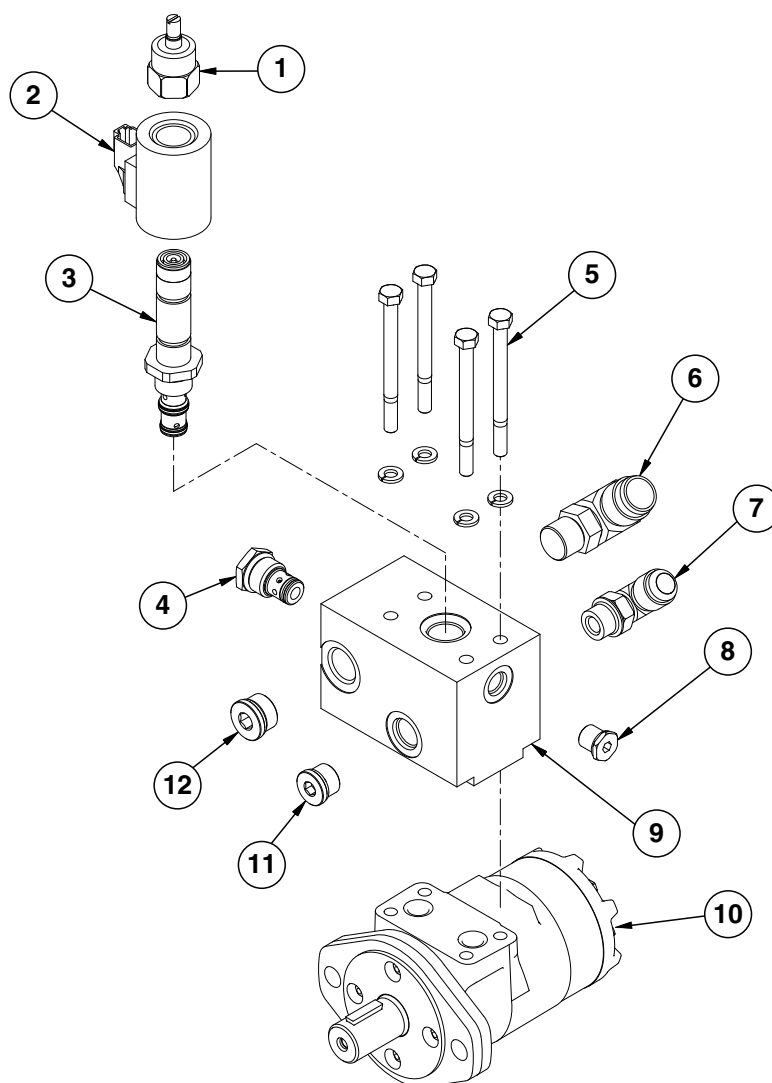
This page left blank intentionally.

(IP1256)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GD20718	1	Wing Down Pressure Valve Block
2	G6400-10-08	1	Connector W/O-Ring, 7/8"-14 Male JIC To 3/4"-16 O-Ring
	GR1037	-	O-Ring
3	6400-08	1	Connector W/O-Ring, 3/4"-16 Male JIC To O-Ring
	GR1037	-	O-Ring
4	GA14489	1	Pressure Reducing Relief Valve
	GR2043	-	Seal Kit (Included W/GA14489)
5	G6802-08	4	Elbow W/O-Ring, 45°, 3/4"-16 Male JIC To O-Ring
	GR1037	-	O-Ring
6	GD20719	1	Wing Down Pressure Bracket
7	GD4743	1	U-Bolt, 3" x 3" x 1/2"-13
8	G10229	2	Lock Washer, 3/8"
9	---	-	---
10	G10002	2	Hex Head Cap Screw, 3/8"-16 x 3/4"
11	G10071	2	Serrated Flange Nut, 1/2"-13

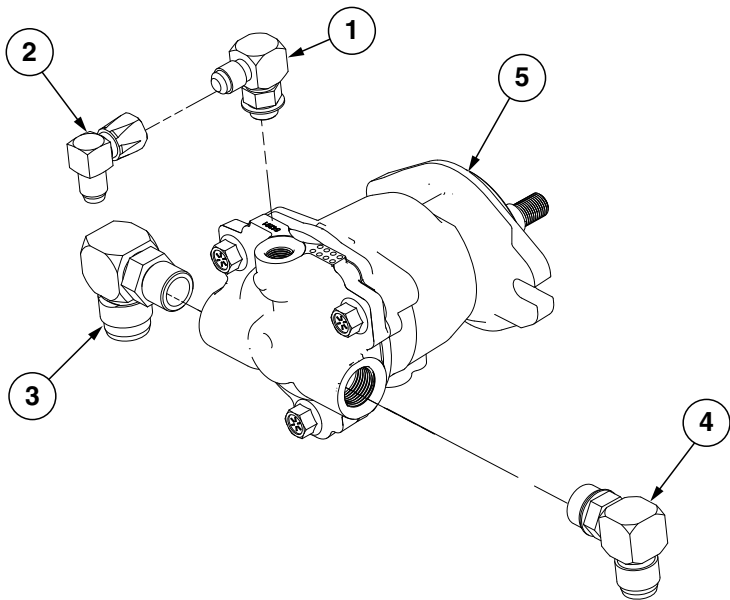
(IP1076)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GR1846	1	Manual Override
2	GA13079	1	Coil
3	GA13078	1	Proportional Valve
4	GA4293	1	Check Valve
	GR2041	-	Seal Kit (Included W/GA4293)
5	G11309	4	Hex Head Cap Screw, 5/16"-18 x 3 3/4"
	G10232	4	Lock Washer, 5/16"
6	G6801-12-10	1	Elbow W/O-Ring, 90°. 1 1/16"-12 Male JIC To 7/8"-14 O-Ring
	GR1466	-	O-Ring
7	6801-10-08	1	Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To 3/4"-16 O-Ring
	GR1037	-	O-Ring
8	G6408-H06-O	1	Hex Socket Head, 9/16"-18, O-Ring Plug
9	GD19440	1	Valve Block
10	GA13633	1	Hydraulic Motor
	GD18811	2	O-Ring, No. 112 (Included W/GA13633)
11	G6408-H08-O	1	Hex Socket Head Plug W/O-Ring, 3/4"-16 O-Ring
	GR1037	-	O-Ring
12	G6408-H10-O	1	Hex Socket Head Plug W/O-Ring, 7/8"-14 O-Ring
A	GA14576	-	Hydraulic Motor Assembly
B	GR1939	-	Seal Kit (Hydraulic Motor)
C	GR0764	-	Seal Kit (Proportional Valve), Includes: (2) O-Rings, (1) BU Ring

This page left blank intentionally.

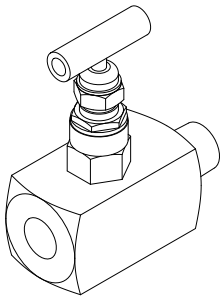
(A10636)



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

Optional Flow Control Needle Valve Kit

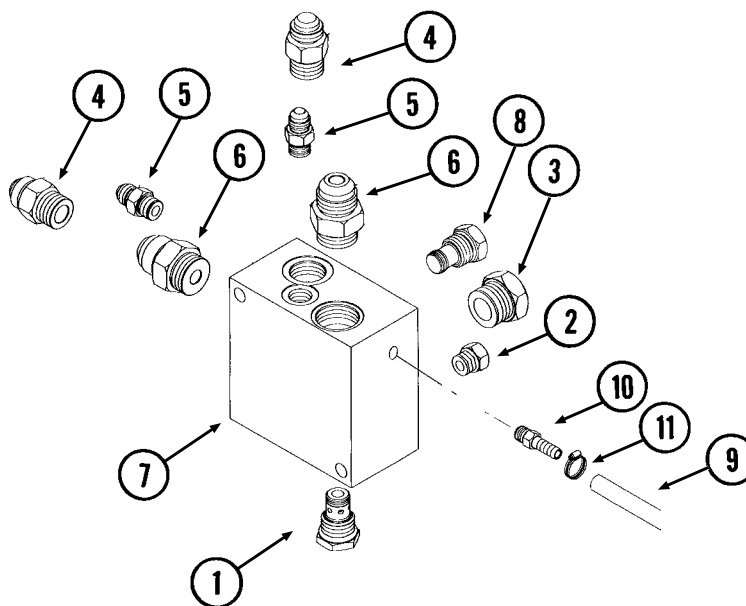
(IP1064)



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

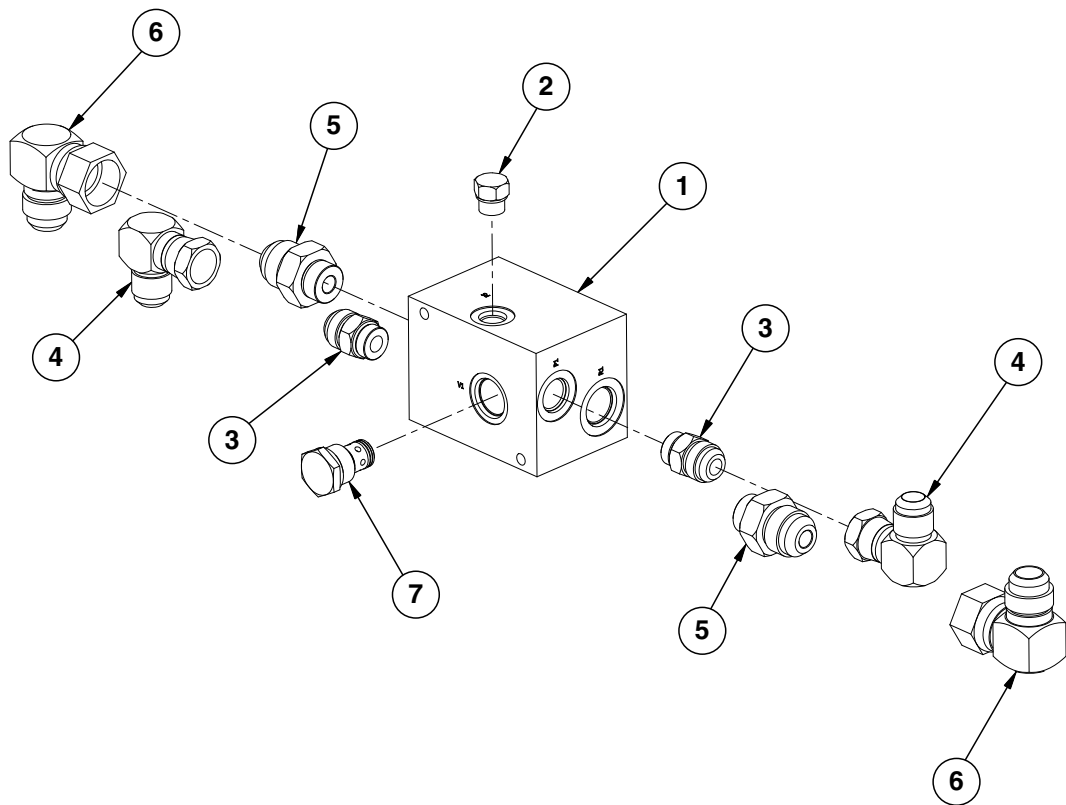
Vacuum Fan Motor Valve Block Assembly (Located Below Vacuum Fan Motor Assembly)

(A11068d)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA4293	1	Check Valve
	GR2041	-	Seal Kit (Included W/GA4293)
2	G6408-06	1	Plug W/O-Ring, 1/16"-18 O-Ring
	GR1045	-	O-Ring
3	G6408-12	1	Plug W/O-Ring, 1 1/16"-12 O-Ring
	GR1467	-	O-Ring
4	G6400-10	2	Connector W/O-Ring, 7/8"-14 Male JIC To O-Ring
	GR1466	-	O-Ring
5	G6400-06	2	Connector W/O-Ring, 9/16"-18 Male JIC To O-Ring
	GR1045	-	O-Ring
6	G6400-12	2	Connector W/O-Ring, 1 1/16"-12 Male JIC To O-Ring
	GR1467	-	O-Ring
7	GD16188	1	Valve Block
8	GA11934	1	Relief Valve Cartridge
9	GD6279-05	1	Clear Plastic Tubing, 9/16" O.D. x 60"
10	GD11700	1	Adapter, 1/4" NPT To 3/8" Barb
11	G10681	1	Hose Clamp, No. 6

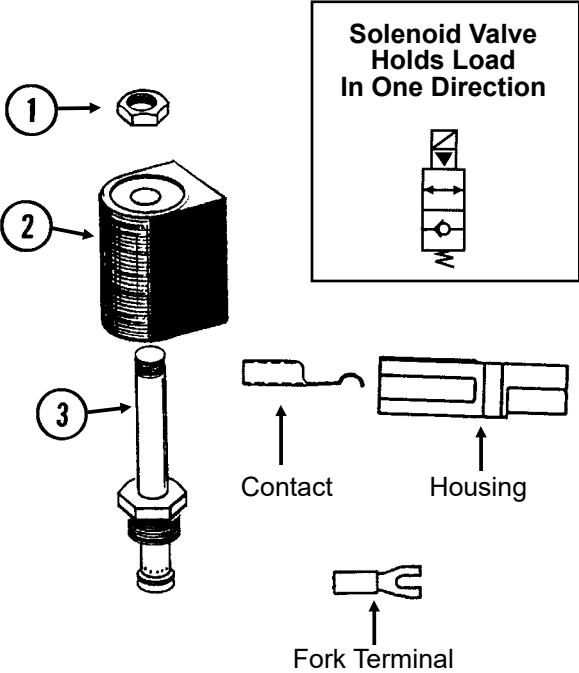
(IP1290)

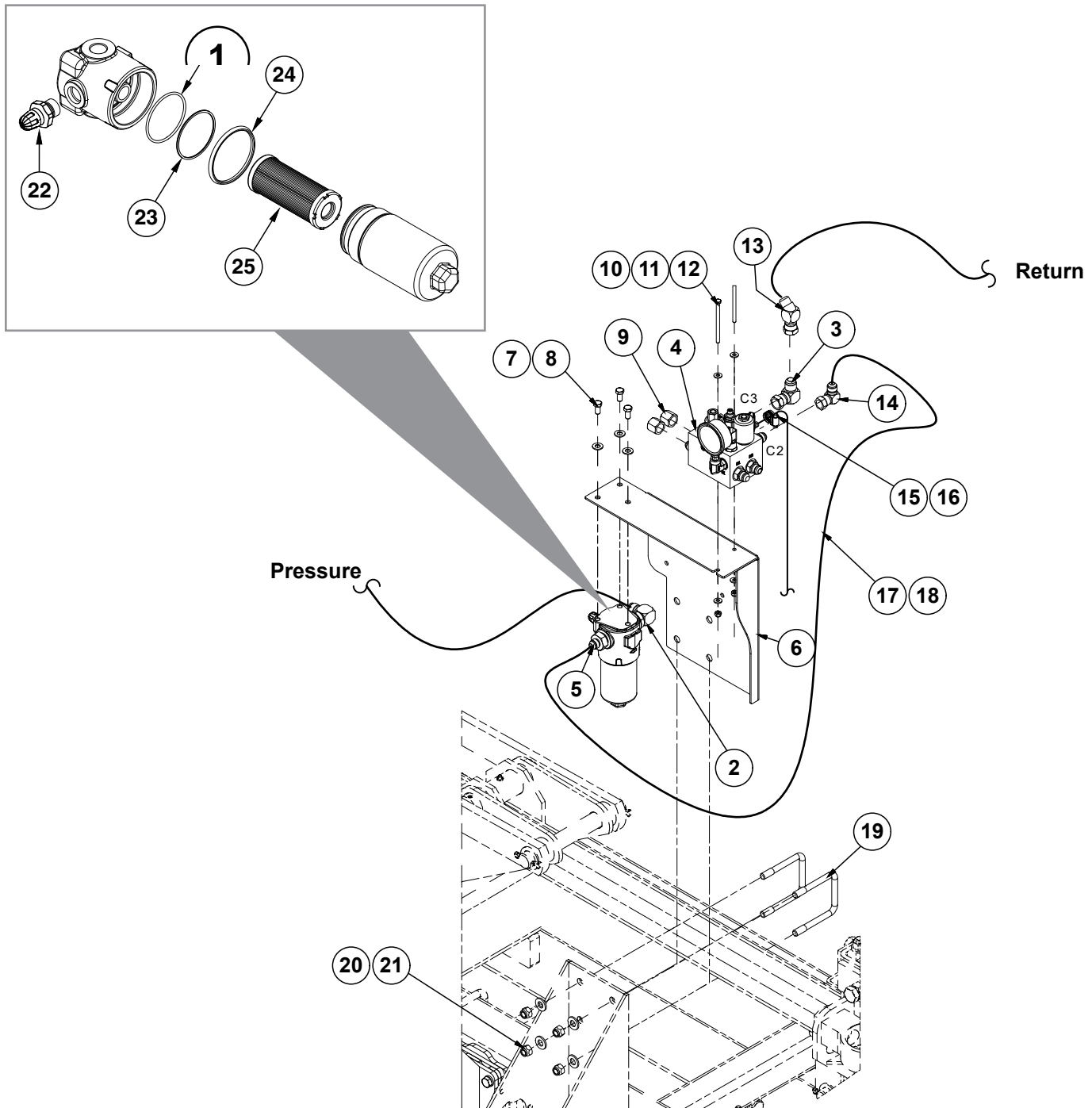


ITEM	PART NO.	QTY.	DESCRIPTION
1	GD19123	1	Bulk Fill Fan Block
2	G6408-06	1	Plug W/O-Ring, 9⁄16"-18 O-Ring
	GR1045	-	O-Ring
3	G6400-10-08	2	Connector W/O-Ring, 7⁄8"-14 Male JIC To 1⁄4"-16 O-Ring
	GR1037	-	O-Ring
4	G6500-10	2	Swivel Elbow, 90°, 7⁄8"-14 Male JIC To Female
5	G6400-12-10	2	Connector W/O-Ring, 1 1⁄16"-12 JIC To 7⁄8"-14 O-Ring
6	G6500-12	2	Swivel Elbow, 90°, 1 1⁄16"-12 Male JIC To Female
7	GA4293	1	Check Valve
	GR2041	-	Seal Kit (Included W/GA4293)

VVB019(TWL27c/TWL18/PLTR75c/A9481)

ITEM	PART NO.	QTY.	DESCRIPTION
1	GR0761	1	Special Hex Nut, ½"-20
2	G1K274	1	Coil Kit W/Contacts, Housings And Fork Terminals
	GD9529	2	Housing, Black (Included W/G1K274)
	GD9530	2	Contact (Included W/G1K274)
	G10996	2	Fork Terminal (Included W/G1K274)
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





Hydraulic Down Force Manifold Block and In-Line Filter Assembly

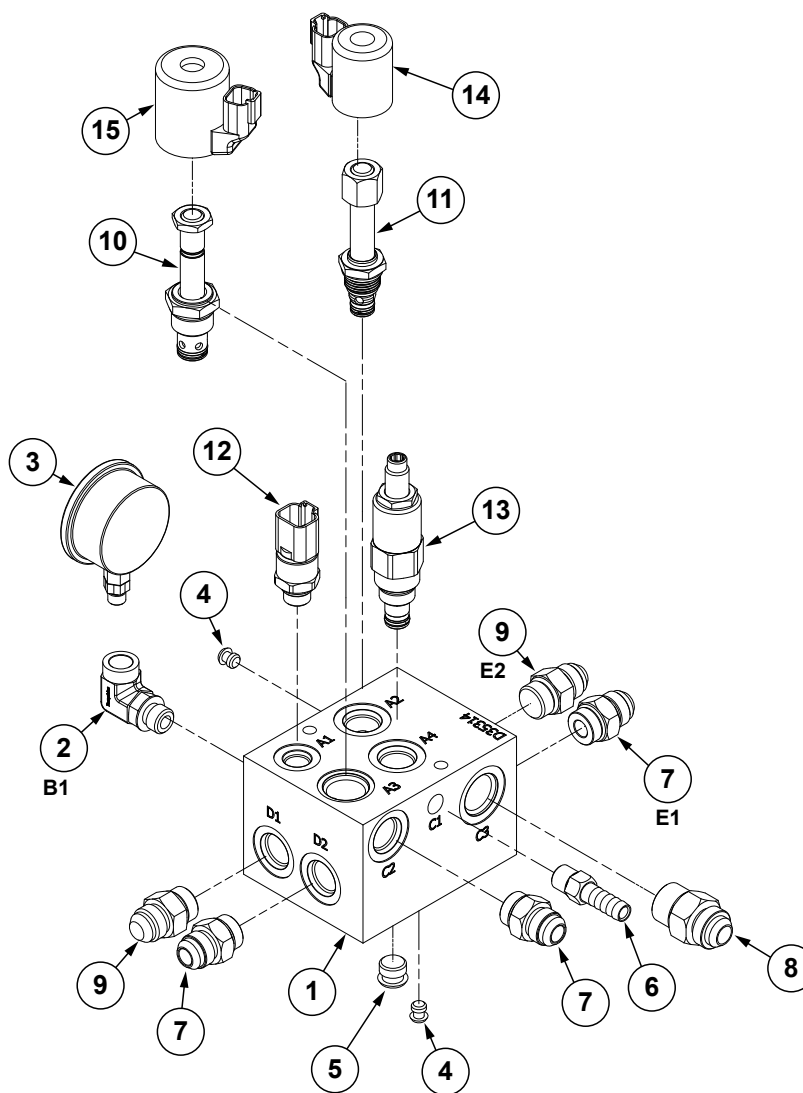
ITEM	PART NO.	QTY.	DESCRIPTION
1	**R2367	1	Sealing O-Ring
2	G6801-10-12	1	Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To 1 1/16"-12 O-Ring
3	G6500-10	1	Swivel Elbow, 90°, 7/8"-14 Male JIC To Female
4	---	1	See "Hydraulic Down Force Manifold Block" on page P199
5	6400-08-12	1	Adapter, 3/4"-16 Male JIC to 1 1/16"-12 O-Ring
6	GD36756	1	Hydraulic Block Mount Bracket
7	G11387	3	Flat Washer, 3/8" SAE
8	G10002	3	Hex Head Cap Screw, 3/8"-16 x 3/4"
9	G304-C-8	2	Cap Nut, 3/4"-16
10	G10110	2	Lock Nut, 1/4"-20, Grade B
11	G11385	4	Flat Washer, 1/4" SAE
12	G11135	2	Hex Head Cap Screw, 1/4"-20 X 3 3/4"
13	G6502-10	1	Swivel Elbow, 45°, 7/8"-14 Male JIC To Female
14	G6500-08	1	Swivel Elbow, 90°, 3/4"-16 Male JIC To Female
15	‡D6279-03	1	Clear PVC Tubing, 3/8" x 28"
16	G10681	1	Hose Clamp, No. 6
17	*A18671-30	1	Hose Assembly, 1/2" x 30" (08F-08F90S)
18	GD10057-20	2	Hose Identification Sleeve, Purple PP
19	GD4743	2	U-Bolt, 3" x 3" x 1/2"-13
20	G11389	4	Flat Washer, 1/2" Plated SAE
21	G10111	4	Lock Nut, 1/2"-13
22	GR2361	1	Flow Indicator
23	†R2366	1	Anti-Extrusion Ring
24	†R2365	1	External O-Ring
25	GD35835	1	Replacement Filter Cartridge
A	GA25857	1	In-Line Filter Assembly, Includes Items 22-25
B	GR2368	-	Seal Kit, Includes: (1) Sealing O-Ring, (1) Anti-Extrusion Ring, (1) External O-Ring

* Hose not stocked by Kinze repair parts, but is available in bulk. Order GD6279-00.

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

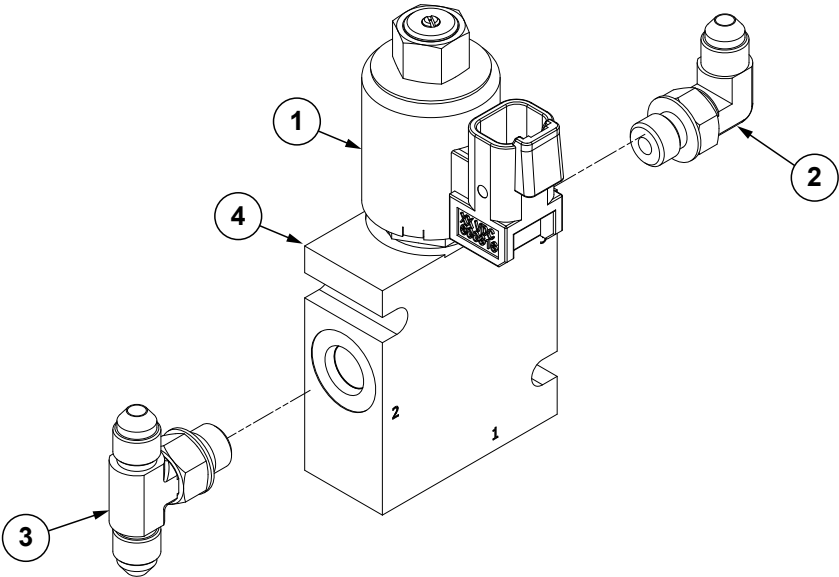
‡ Hose not stocked by Kinze repair parts, but is available in bulk. Order GD6279-00.

(A25289)



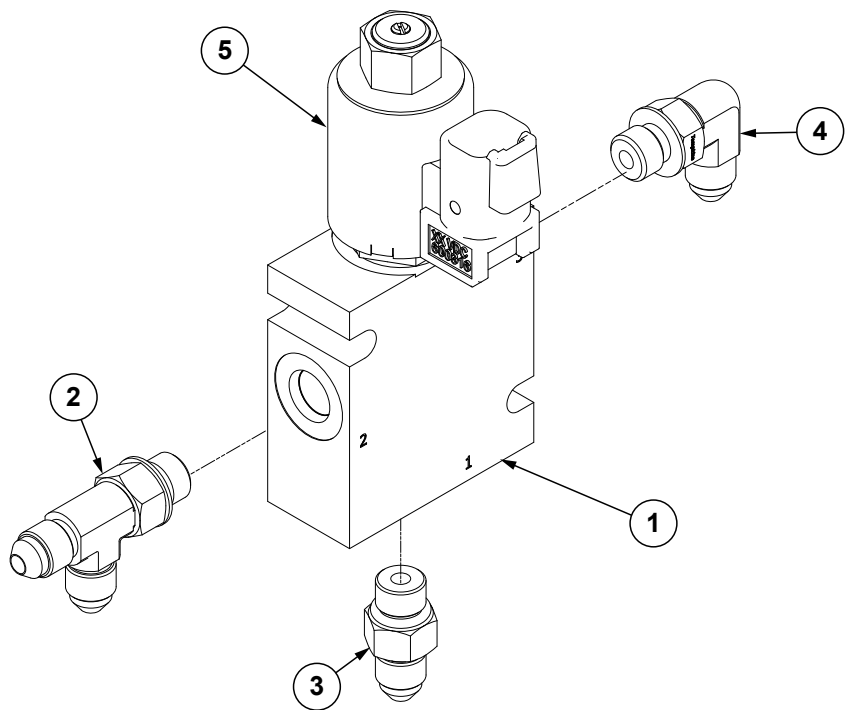
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD35314	1	Manifold Block
2	G6815-06-04	1	90° Adjustable Street Elbow
3	GA26005	1	Pressure Gauge
4	GD29318	2	Plug
5	GD29319	1	Plug
6	GD11700	1	Adapter, 1/4" NPT To 3/8" Barb
7	6400-08 GR1037	3 -	Connector W/O-Ring, 3/4"-16 Male JIC To O-Ring O-Ring
8	G6400-10 GR1466	1 -	Connector W/O-Ring, 7/8"-14 Male JIC To O-Ring O-Ring
9	GA20252	2	Check Valve
10	GA25390	1	Solenoid, No. 10, Single Poppet
11	GA25389	1	Solenoid, No. 8, Single Poppet
12	G10568101	1	Pressure Sensor
13	GA25982	1	Direct Relief
14	GA25403	1	Coil, 12V
15	GA25404	1	Coil, 12V

(A25264)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10941101	1	Manual Override Cartridge Assembly
	GR2287	1	Solenoid Cartridge (Included W/G10941101)
	GR0761	1	Special Hex Nut, 1/2"-20 (Included W/G10941101)
2	G6801-04-04	1	90° Adjustable Elbow, 7/16"-20
3	G6803-04-04-04	1	Adjustable Tee, 7/16"-20
4	GD35271	1	Row Unit Control Block
A	G10945001	-	Row Unit Control Block Sub-Assembly, Items 1 and 4

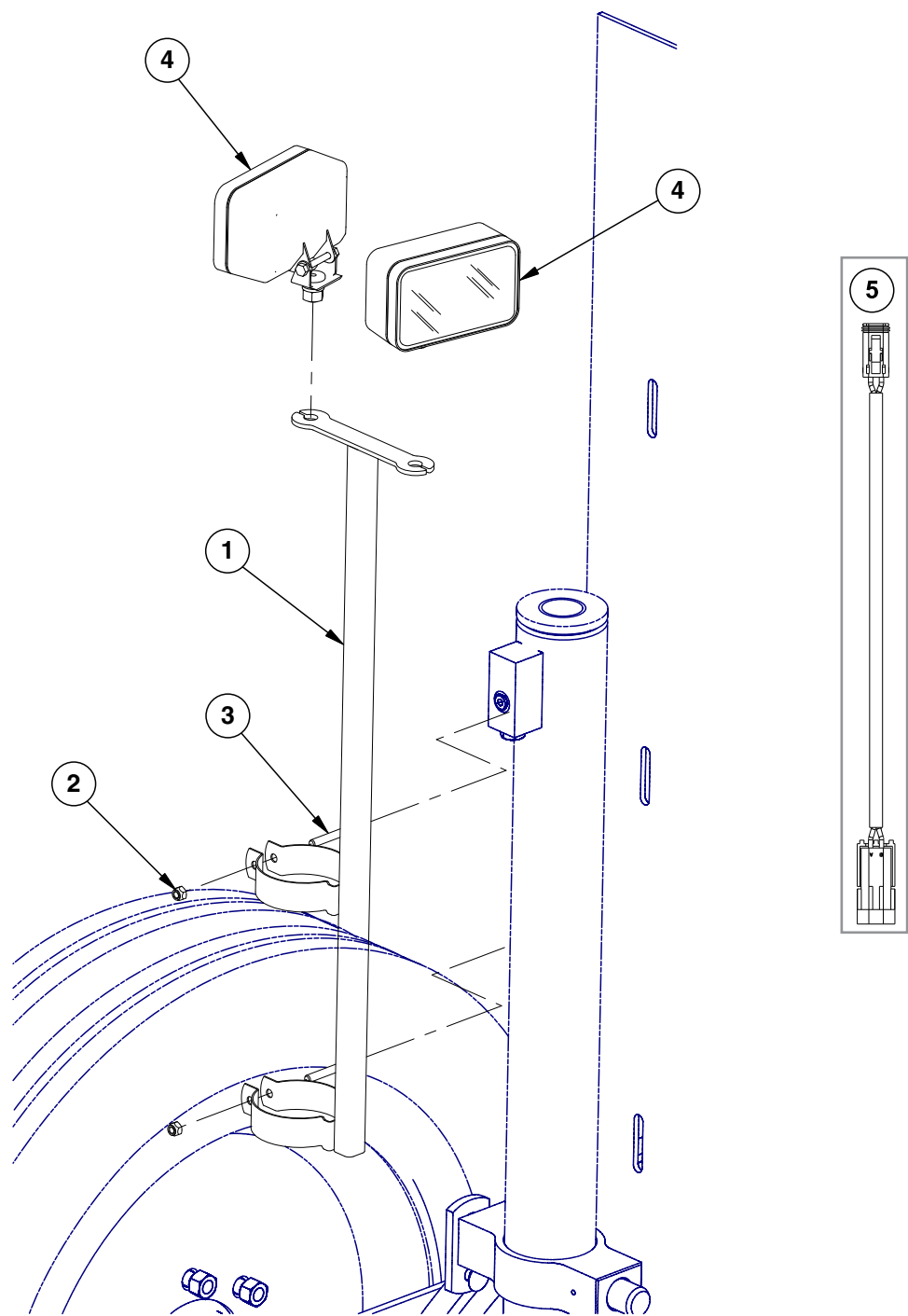
(A25265)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GD35271	1	Row Unit Control Block
2	G6804-04-04-04	1	Adjustable Tee, 7/16"-20
3	6400-04 GR1465	1 -	Connector W/O-Ring, 7/16"-20 Male JIC To O-Ring O-Ring
4	G6801-04-04	1	90° Adjustable Elbow, 7/16"-20
5	G10941101 GR2287 GR0761	1 1 1	Manual Override Cartridge Assembly Solenoid Cartridge (Included W/GA25286) Special Hex Nut, 1/2"-20 (Included W/GA25286)
A	G10945001	-	Row Unit Control Block Sub-Assembly, Items 1 and 5

This page left blank intentionally.

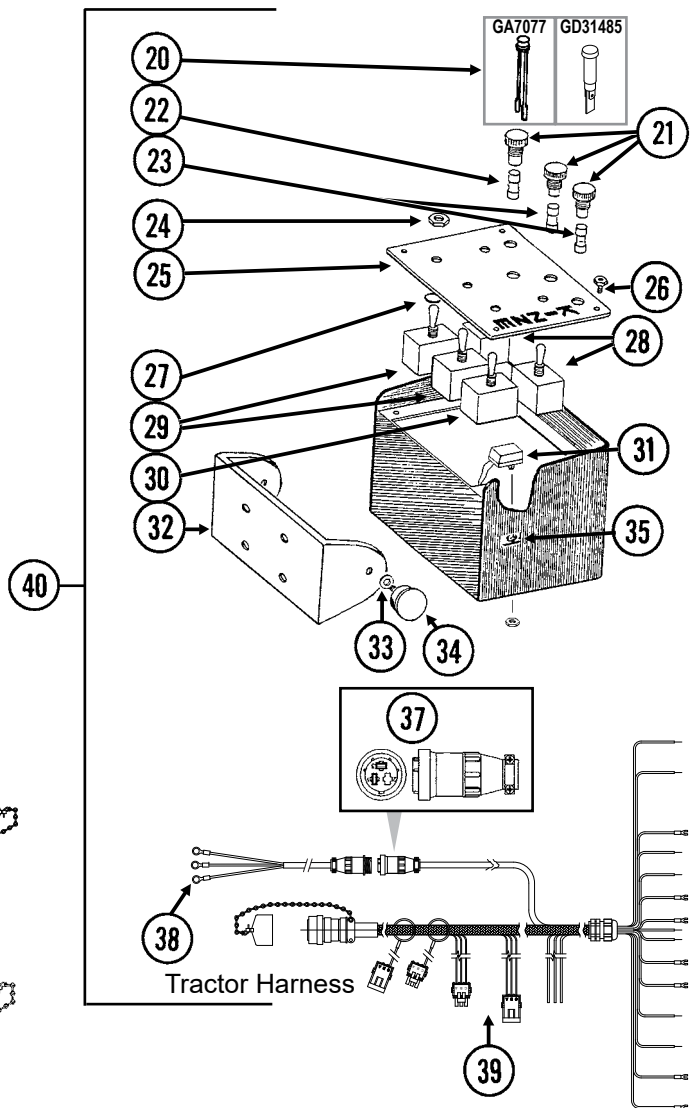
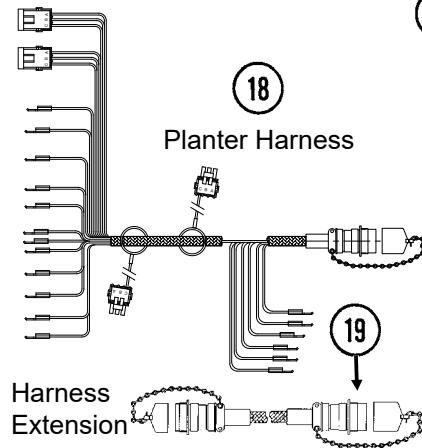
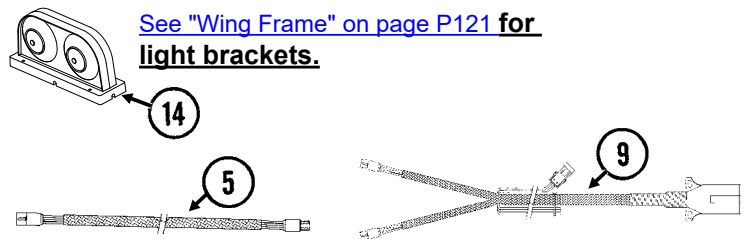
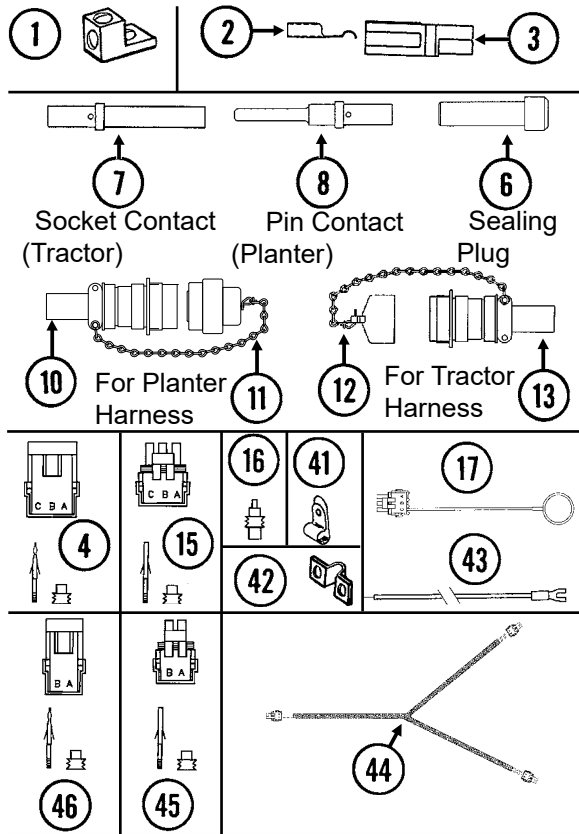
(IP1259)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA14571	1	Light Mount
2	G10109	2	Lock Nut, 5/16"-18, Grade 8
3	G10041	2	Hex Head Cap Screw, 5/16"-18 x 2"
4	GA18486	2	LED Work Light Assembly
5	GR1923	-	Work Light Extension Harness

This page left blank intentionally.

(TWL19a/TWL18/ELC14/ELC3a/ELC5c/MTR27a/ELC39/TWL26e/ELC8/A9481/ELC12b/MTR27i/A9689b/A10924ELC4/FF27b/FF27c/ELC38/A9201a/A9202a/TWL20g/ELC34/ELC35/ELC10c)

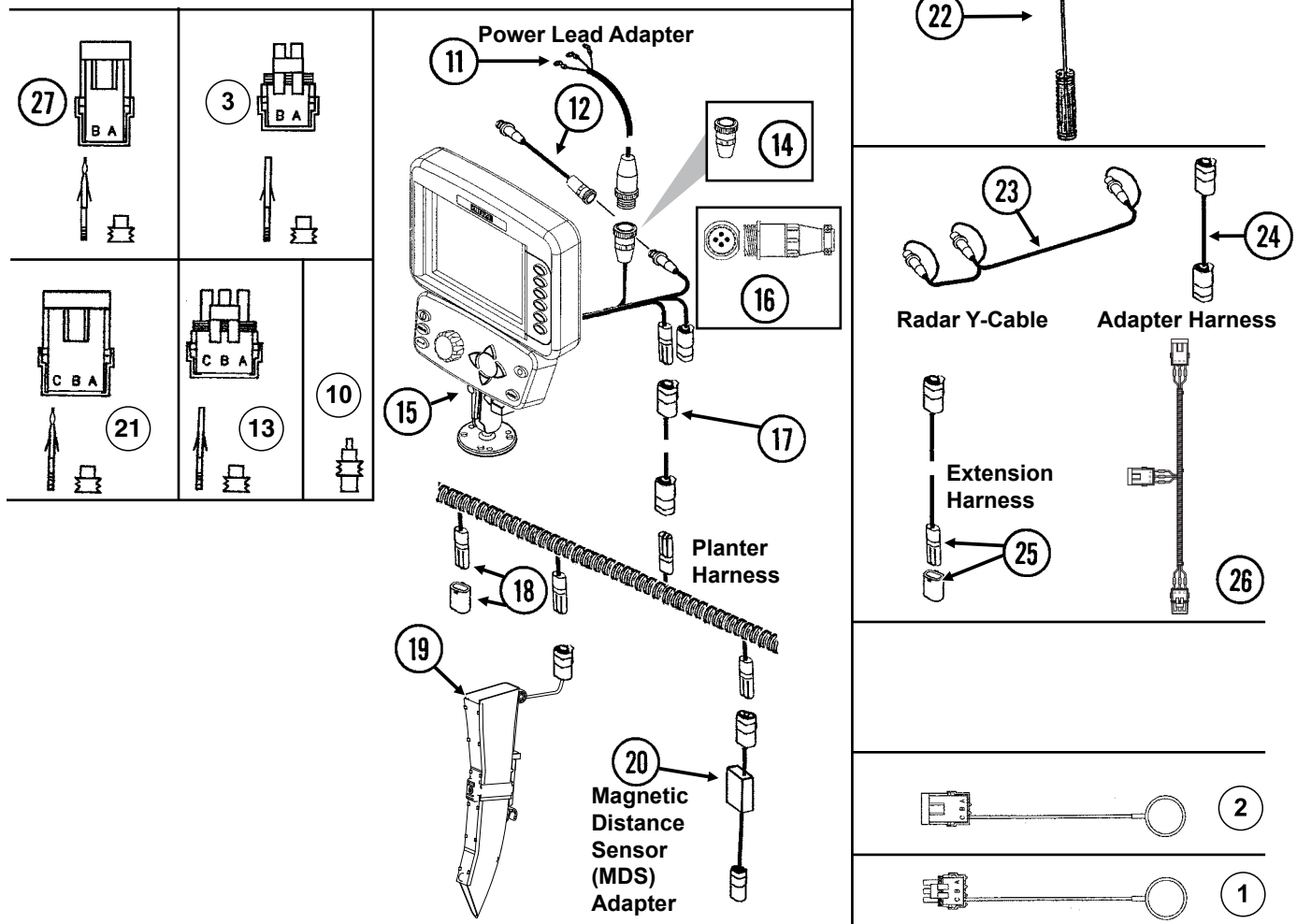


ITEM	PART NO.	QTY.	DESCRIPTION
1	GA3584	-	Ground Clamp
2	GD9530	-	Contact
3	GD9529	-	Housing, Black
	GD12726	-	Housing, Red
4	G1K248	-	3-Pin Female Connector Kit (Black), Includes: (3) 3-Pin Female Housings, (9) Pin Contacts, (9) Seals
5	GA9096	-	Harness Extension, 42"
6	GD8739	-	Sealing Plug, No. 12
7	GD8740	-	Socket Contact, No. 14
8	GD8741	-	Pin Contact, No. 14

ITEM	PART NO.	QTY.	DESCRIPTION
9	GA9202	-	Wiring Harness W/7 Terminal Female Connector, 786" (2 Light Connections), 12 Row 30"
	GA9204	-	Wiring Harness W/7 Terminal Female Connector, 882" (2 Light Connections), 16 Row 30"
	GA5385	-	7 Terminal Female Connector (Included W/GA9202 and GA9204)
10	GA6109	1	Connector W/Cable Clamp, 23 Pin Capacity
11	GD32092	-	Dust Cap W/Chain
12	GD27654	-	Dust Cap W/Chain
13	GA6108	1	Connector W/Cable Clamp, 23 Socket Capacity
14	G10842301	1	Double Light Assembly (Shown)
	G10842401	1	Double Light Assembly
	G10842501	1	Single Amber Light Assembly
15	G1K252	-	3-Pin Male Connector Kit (Black), Includes: (3) 3-Pin Male Housings, (9) Socket Contacts, (9) Seals
16	GD11089	-	Sealing Plug
17	GA8047	-	Dust Plug (Black)
18	GA16338	1	3600 Planter Cable, 12 Row 30"
	GA16339	-	3600 Planter Cable, 16 Row 30"
19	GA11736	-	Harness Extension W/Dust Caps, 180"
20	GA7077	1-4	Indicator Light
	GD31485	1	LED Indicator Light
21	GA2612	3-5	Fuse Holder W/Spade, 1 ³³ / ₅₀ "
22	GD2829	1-2	Fuse, 15 Amp, Type AGC
23	GD10243	2-6	Fuse, MDL 10 Amp Delay Action
24	GR1363	5	Hex Face Nut, 1 ⁵ / ₃₂ "-32
	GR1364	5	Internal Tooth Lock Washer, 1 ⁵ / ₃₂ "
25	GA8734	1	Cover Plate (Shown)
	GA8735	-	Cover Plate, Planters Equipped With Two-Speed Point Row Clutch
26	GR1292	4	Pan Head Screw, No. 8-32 x 1/2"
27	GD3860	-	O-Ring (If Applicable)
28	GA2528	2	Switch, 3 Position Toggle, On-Off-On
29	GA6978	2	Switch, 3 Position Toggle, Momentary On-Off-Momentary On
30	GA6977	1-2	Switch, 2 Position Toggle, On-Off
31	GA8731	1	Switch, Push Button W/Transformer
32	GD9896	1	Mounting Bracket
33	G11385	4	Flat Washer, 1/4" SAE
34	GA6975	2	Knob
35	GR1290	2	Cage Nut, 1/4"-20
36	---	---	---
37	G1K268	-	Console Cable Connector Kit, Includes: (1) 3-Pin Connector, (1) Cable Clamp, (1) Lock Ring, (3) Female Terminal Pins
38	GA17547	1	Power Adapter Cable
39	GA16340	1	Control Box Cable
40	G7633X	-	Backlit Control Console Assembly W/Mounting Brackets, Short Harness W/Dust Cap And Power Cable
	G7639X	-	Backlit Control Console Assembly W/Mounting Brackets, Short Harness W/Dust Cap And Power Cable (Planters Equipped With Two-Speed Point Row Clutch)
41	GD22965	-	Insulated Clamp, 1/4"
	GD6291	-	Insulated Clamp, 3/8"
	GD13348	-	Insulated Clamp, 1 ¹ / ₁₆ "
42	GD13310	-	Jumper, 7/16"
43	GA9481	-	Jumper Wire W/Fork Terminal, 13"
	G10996	-	Fork Terminal
44	GA10924	1	Wiring Harness, 348"
	GA5385	-	7 Terminal Female Connector
45	G1K320	-	2-Pin Male Connector Kit (Black), Includes: (3) 2-Pin Male Housings, (6) Socket Contacts, (6) Seals
46	G1K321	-	2-Pin Female Connector Kit (Black), Includes: (3) 2-Pin Female Housings, (6) Pin Contacts, (6) Seals

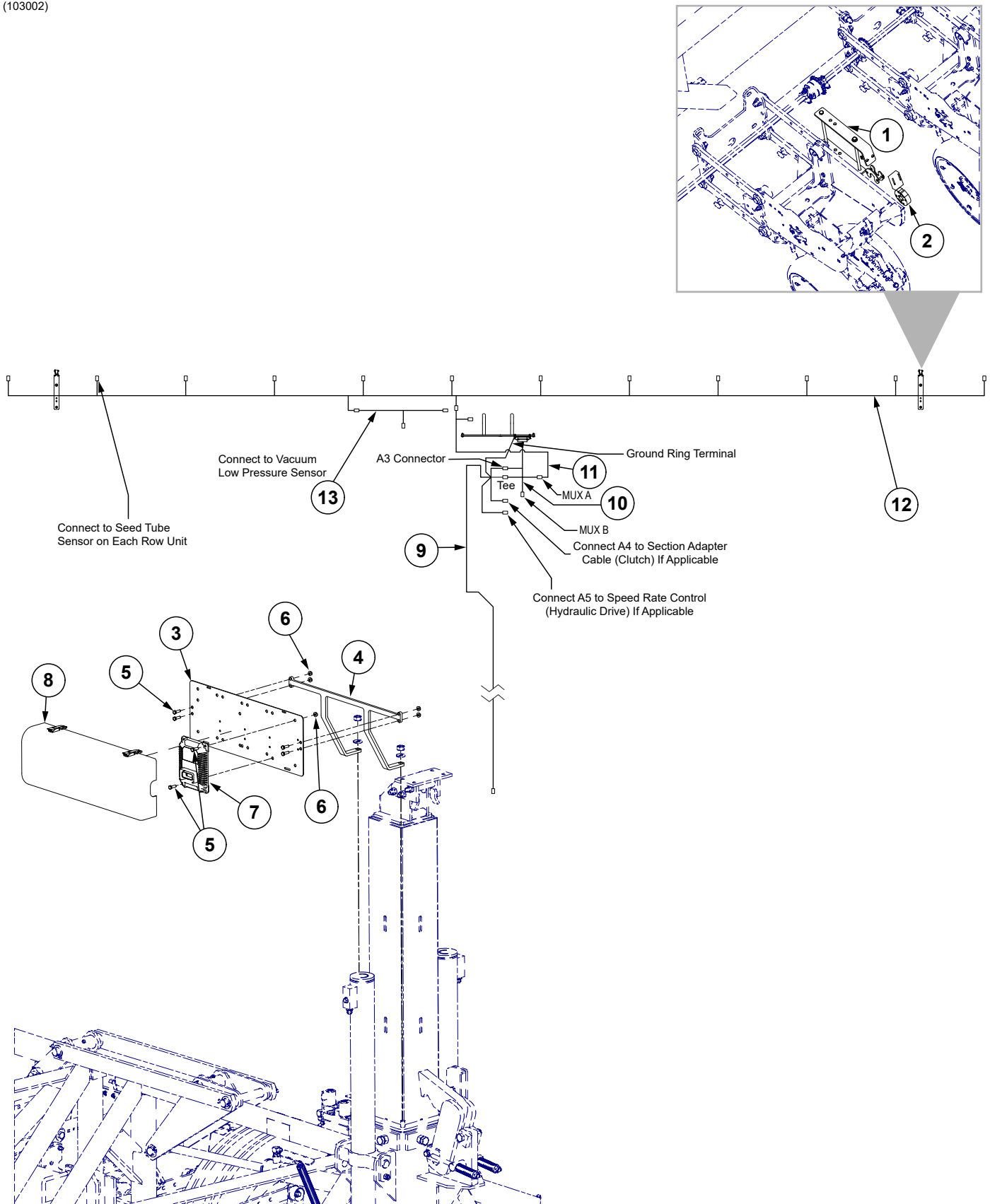
NOTE: See "Point Row Clutch" on page P143 for R.H. and L.H. Wiring Harness for the point row clutches. See "KPM III Electronic Seed Monitor" on page P207 for those components.

(MTR59)

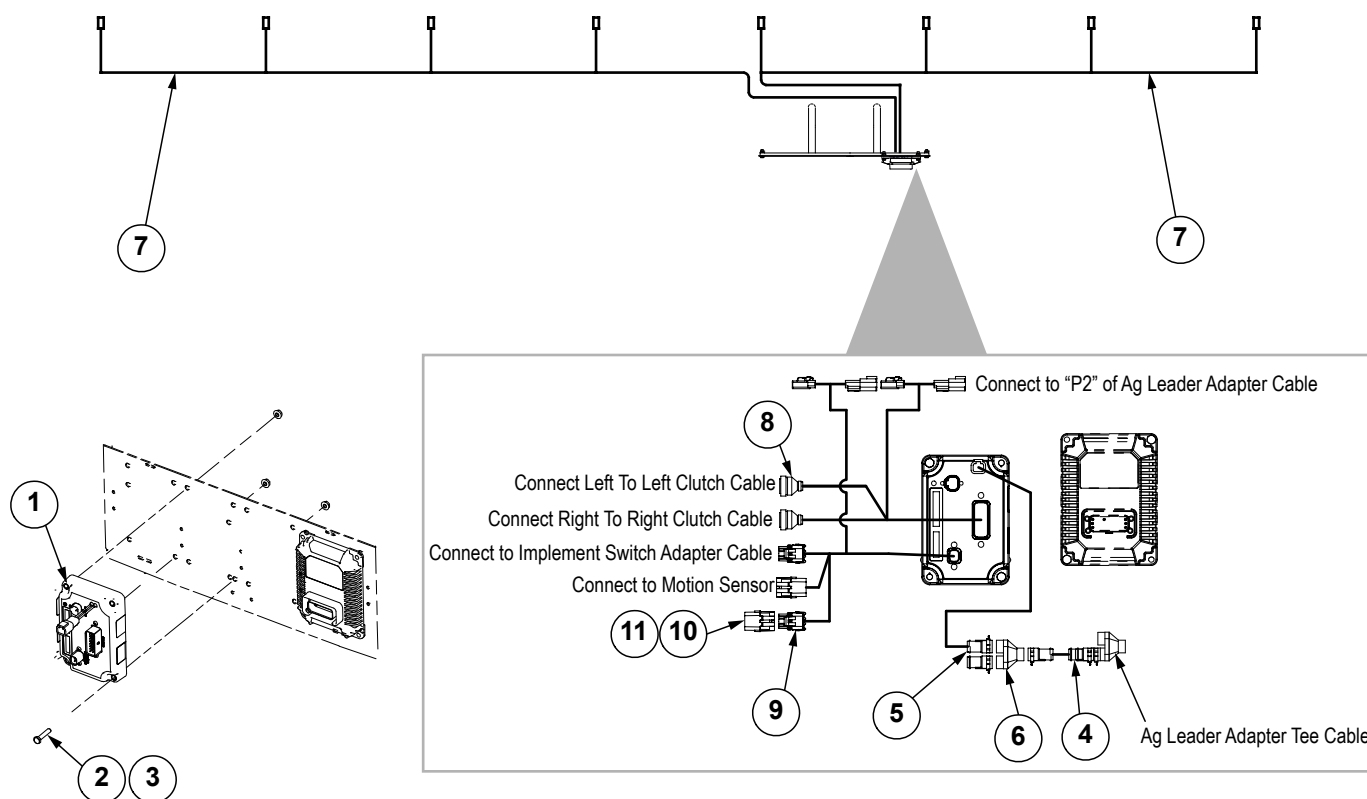


ITEM	PART NO.	QTY.	DESCRIPTION
1	GA8047	-	Dust Plug (Black)
	GA9979	-	Dust Plug (Blue)
2	GA8046	-	Dust Plug (Black)
	GA9978	-	Dust Plug (Blue)
3	G1K320	-	2-Pin Male Connector Kit (Black), Includes: (3) 2-Pin Male Housings, (6) Socket Contacts, (6) Seals
4	GA5600	1	Magnetic Distance Sensor
5	GD8751	-	Magnetic Distance Sensor Pulse Wheel
6	GD13348	-	Insulated Clamp, 1 $\frac{1}{16}$ "
7	GD8770	1	Bracket
8	G11124	2	Hex Serrated Flange Cap Screw, $\frac{3}{8}$ "-16 x 1"
	G10229	2	Lock Washer, $\frac{3}{8}$ "
	G10101	2	Hex Nut, $\frac{3}{8}$ "-16
9	GD8771	1	Spring Wave Washer
10	GD11089	-	Sealing Plug
11	GA17547	1	Power Lead Adapter
12	GA9144	-	Monitor/Radar Adapter Cable, 10"
13	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
14	G1K268	-	Console Cable Connector Kit, Includes: (1) Cable Clamp, (1) 3-Pin Connector, (1) Lock Ring, (3) Female Terminal Pins
15	G8647x	-	KPM III Backlit Console W/Brush (Item 22), Dust Plug (Item 33), 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) $\frac{1}{4}$ "-20 x 1 $\frac{3}{4}$ " Hex Head Cap Screw, (1) $\frac{1}{4}$ " Plastic Washer, (1) $\frac{1}{4}$ " Steel Washer
	GR1762	-	Console Mounting Bracket Hardware Package, Includes: (3) No. 10-32 x $\frac{5}{8}$ " Hex Socket Pan Head Screws, (3) No. 10 Lock Washers (Included W/G8647X)
	GA16082	-	Power Harness (Included W/G8647X)
16	G1K322	-	4-Pin Connector Kit W/Male Housing, Includes: (4) Female Socket Contacts And (1) Cable Clamp
17	---	-	See Tractor/Planter Wiring Harness, Items 18 And 39 on page P205
18	GA7852	-	Planter Harness W/Dust Caps (20 Connectors)
	GB1090	-	Dust Cap
19	G10745401	-	Seed Tube W/Computerized Sensor
	GA20902	-	Seed Tube (With Holes For Sensor Installation) (Included W/G10745401)
20	GA7859	1	Magnetic Distance Sensor Adapter (Analog To Digital)
21	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
22	GR0594	-	Brush
23	GR0586	1	Radar Y-Cable (Used To Connect Radar Distance Sensor For Multiple Functions)
24	GA7857	-	Adapter Harness, 1'
25	GA7854	-	Extension Harness W/Dust Cap, 15'
	GA7855	-	Extension Harness W/Dust Cap, 30'
	GB1090	-	Dust Cap (Included W/GA7854 and GA7855)
26	GA7853	-	Junction Y-Harness W/Dust Cap
	GB1090	-	Dust Cap (Included W/GA7853)
27	G1K321	-	2-Pin Female Connector Kit (Black), Includes: (3) 2-Pin Female Housings, (6) Pin Contacts, (6) Seals
A	GA6147	-	Magnetic Distance Sensor And Mounting Package (Items 4-9)
B	GR1763	-	KPM III Loaner (Display Only)

(103002)

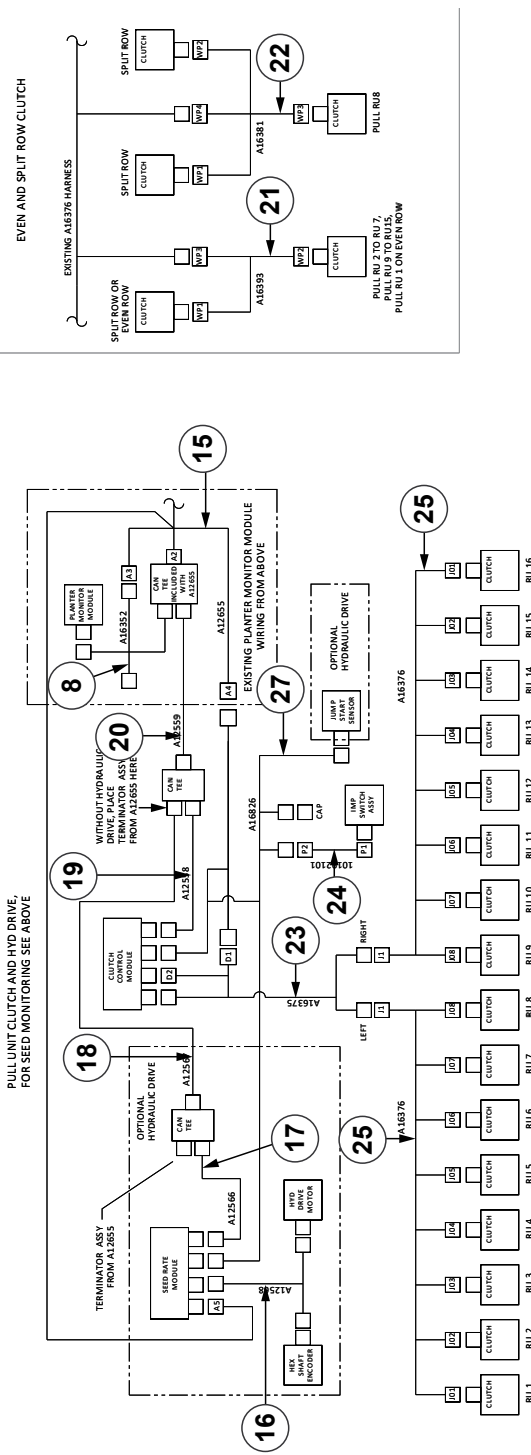
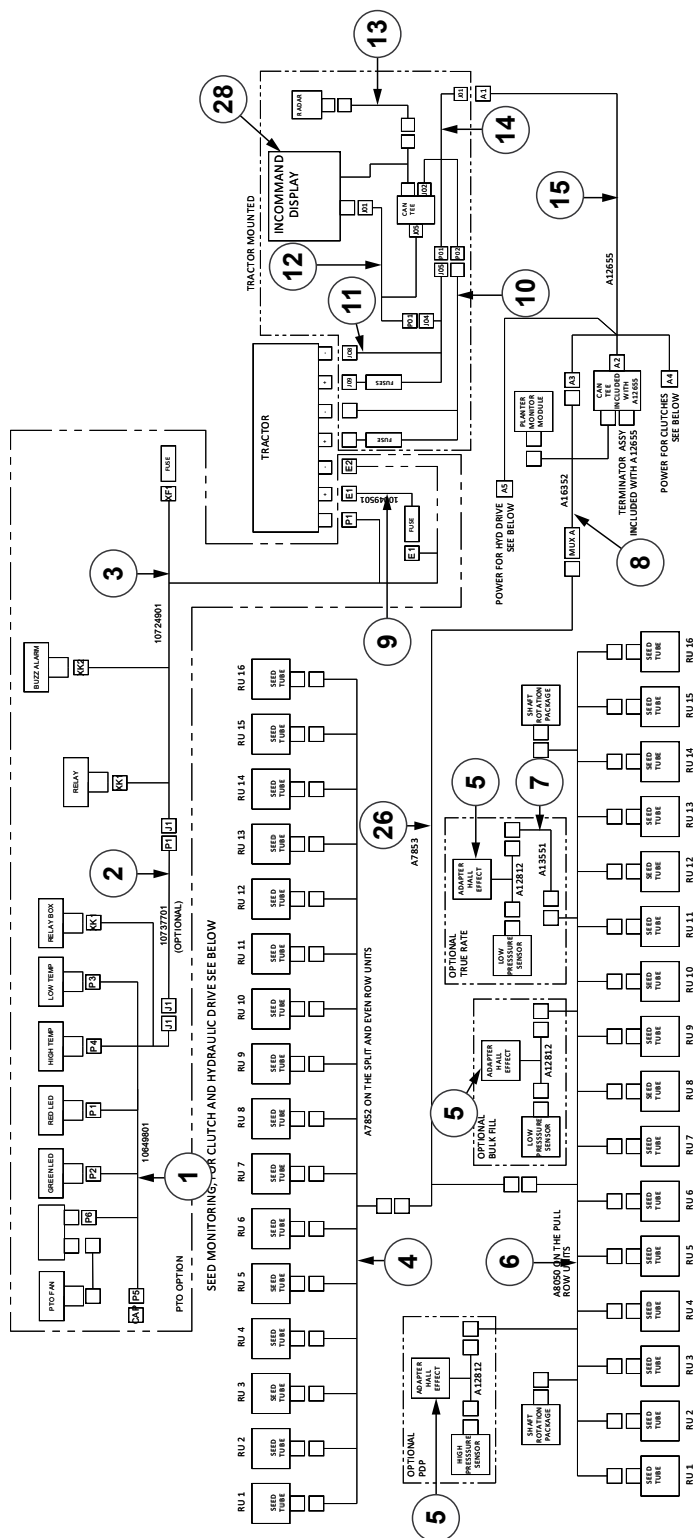


ITEM	PART NO.	QTY.	DESCRIPTION
1	---	1	See "Shaft Rotation Sensor" on page P215
2	---	1	See "Shaft Rotation Sensor" on page P215
3	GD18013	1	Bracket
4	GD19295	1	Support
5	G10019	6	Hex Head Cap Screw, 5/16"-18 x 1"
6	G10620	6	Serrated Flange Nut, 5/16"-18
7	GA16351	1	Planter Monitor Module
8	GA12563	1	Module Cover Assembly W/Lock Clamps
9	GA12555	1	Implement Cable (12 Row)
	GA12655	1	Implement Cable (16 Row)
10	GA16352	1	PMM Cable
11	GA7853	1	Junction Y-Harness W/Dust Cap
	GB1090	-	Dust Cap
12	GA7852	1	Planter Harness W/Dust Caps, 12 Row (20 Connectors)
	GA8050	1	Planter Harness W/Dust Caps, 16 Row (22 Connectors)
	GD11993	-	Dust Cap
13	GA13551		Tee Junction Harness

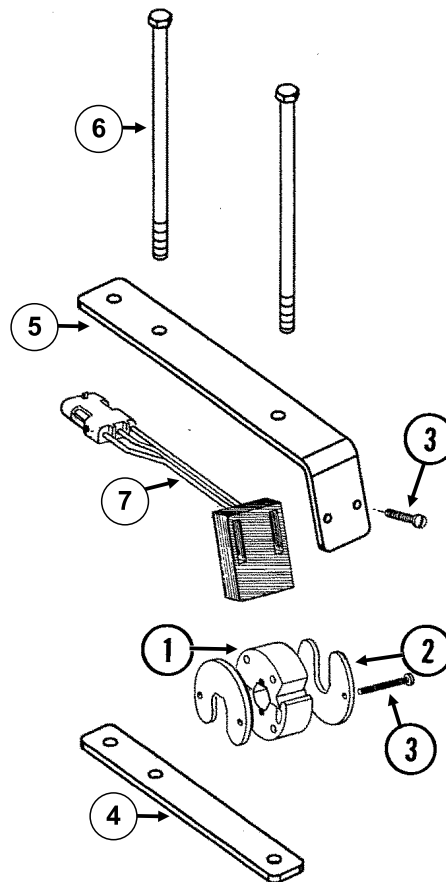


ITEM	PART NO.	QTY.	DESCRIPTION
1	GA12537	1	Clutch Control Module
2	G10133	2	Hex Head Cap Screw, 5/16"-18 x 1 1/2"
3	G10620	2	Serrated Flange Nut, 5/16"-18
4	GA12559	1	Can Extension Cable, 5"
5	GA12558	1	Can Stub Cable, 8"
6	GD18176	1	Y-Splice Connector
7	GA16383	2	Clutch Cable, 12 Row (6 Connectors)
	GA16376	2	Clutch Cable, 16 Row (8 Connectors)
8	GA16382	1	Section Adapter Cable (2 Row), 12 Row
	GA16375	2	Section Adapter Cable (2 Row), 16 Row
9	GA16826	1	Implement Switch Extension Cable
10	GD11079	1	3 Pin Receptacle, Black
11	GD11089	3	Sealing Plug

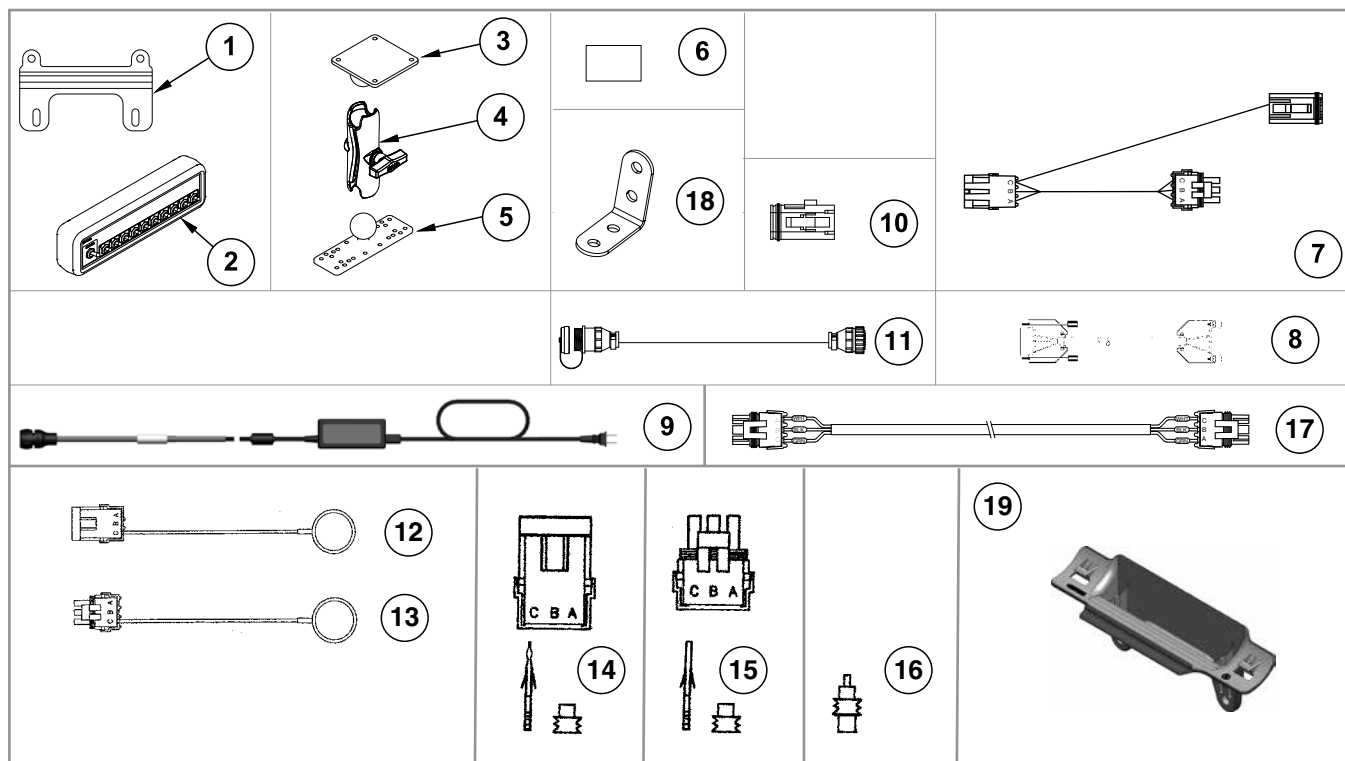
This page left blank intentionally.



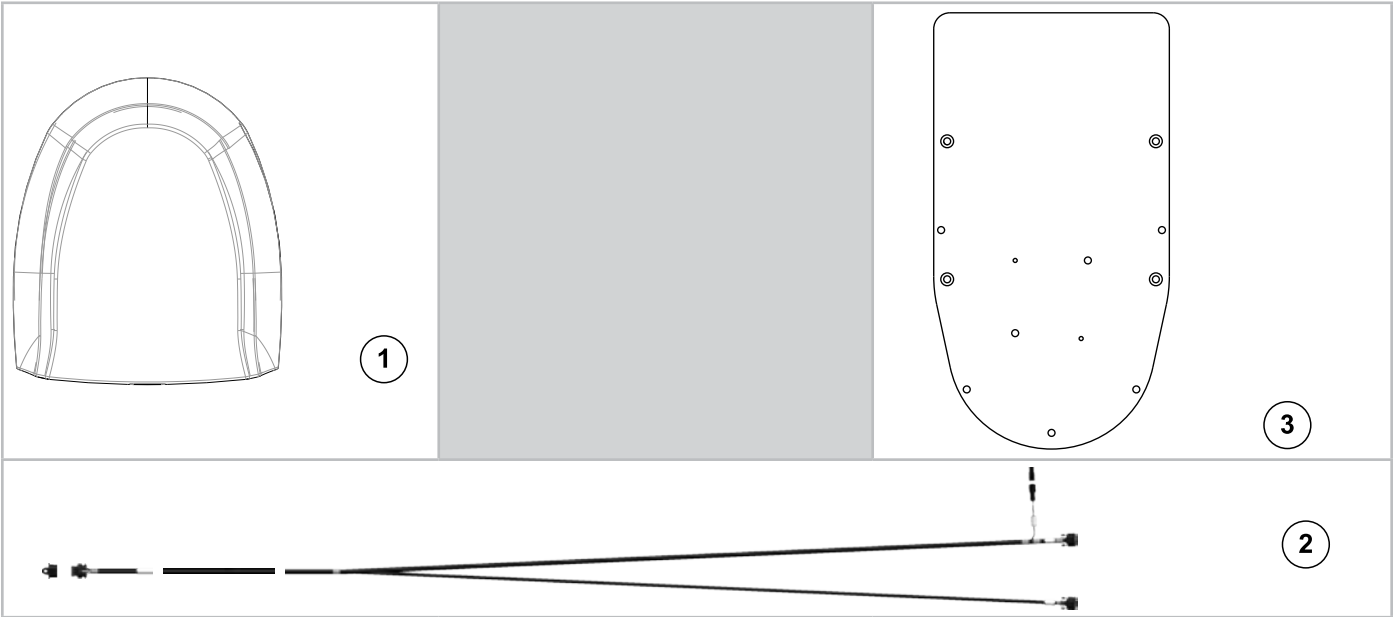
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10649801	1	PTO Harness
2	G10737701		PTO Extension Harness
3	G10724901	1	PTO Tractor Power Harness
4	GA7851	1	Planter Harness W/Dust Caps, 12 Row (16 Connectors)
	GA7852	1	Planter Harness W/Dust Caps, 16 Row (20 Connectors)
	GD11993		Dust Cap
5	GA12812	1	Hall Effect Adapter
6	GA7852	1	Planter Harness W/Dust Caps, 16 Row (20 Connectors)
	GA8050	1	Planter Harness W/Dust Caps, 18 Row (22 Connectors)
	GD11993	-	Dust Cap
7	GA13551	1	Tee Junction Harness
8	GA16352	1	PMM Cable
9	G10049501		Tractor Battery Connection Harness and Fuse Kit
10	GA12598	1	Seed Rate Power Cable, InCommand 1200 (2021-2025 Production)
	G11126801		Seed Rate Power Cable, InCommand Go (2026 Production and On)
11	GA14452	1	Power Cable, InCommand 1200 (2021-2025 Production)
	G11126701	1	Power Cable, InCommand Go (2026 Production and On)
12	G10428901	1	InCommand 1200 Display Cable (2021-2025 Production)
	G11126901	1	InCommand Go Display Cable (2026 Production and On)
13	GA12596	1	Radar Adapter Cable
14	GA14450	1	CAN Adapter Cable
15	GA12555	1	Implement Cable, 12 Row
	GA12655	1	Implement Cable, 16 Row
16	GA12568	1	Seed Rate Cable
17	GA12566	1	Cab Stub Cable, 6" (Hydraulic Drive)
18	GA12567	1	Can Extension Cable, 4" (Hydraulic Drive)
19	GA12558	1	Can Stub Cable, 8"
20	GA12559	1	Can Extension Cable, 5"
21	GA16393	14	Split Row Cable (2 Rows)
22	GA16381	1	Split Row Cable (3 Rows)
23	GA16382	1	Section Adapter Cable (2 Row), 12 Row
	GA16375	1	Section Adapter Cable (2 Row), 16 Row
24	G10192101	1	Implement Switch Adapter Harness
25	GA16383	2	Clutch Cable, 12 Row (6 Connectors)
	GA16376	2	Clutch Cable, 16 Row (8 Connectors)
26	GA7853	1	Junction Y-Harness W/Dust Cap
	GB1090	-	Dust Cap
27	GA16826	1	Implement Switch Extension Cable
28	GA24887	1	InCommand 1200 Display
	G11126001	1	InCommand Go Display



ITEM	PART NO.	QTY.	DESCRIPTION
1	GR1414	1	Actuator
2	GD11474	2	Cover
3	G11960	8	Phillips Pan Head Machine Screw, No. 8-32 x 1½", Staninless Steel
	G11961	4	Flat Washer, No. 8
	G11202	8	Lock Nut W/Nylon Insert, No. 8-32, Stainless Steel
4	GD18168	2	Mount
5	GD18118	2	Shaft Sensor Mount
6	G10229401	8	Hex Head Cap Screw, ⅜"-16 x 8"
	G11387	4	Lock Washer, ⅜"
	G10108	8	Hex Nut, ⅜"-16
7	GR1415	1	Rotation Sensor
A	GA13521	-	Shaft Sensor Mounting Package (Items 2-3 and 4-6)
B	GA8135	-	Shaft Rotation Kit, Includes: (2) Actuators (2) Rotation Sensors



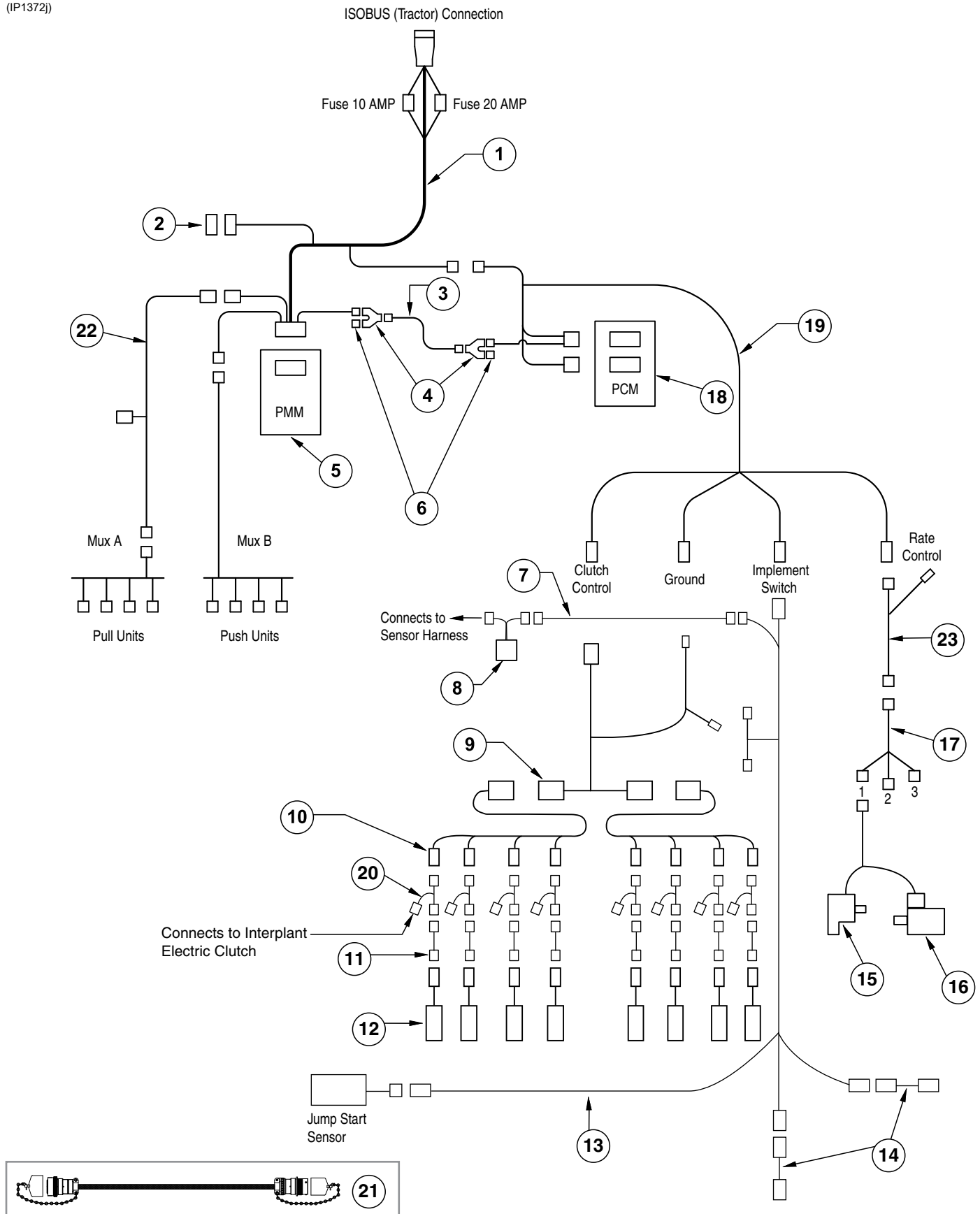
ITEM	PART NO.	QTY.	DESCRIPTION
1	G11125101	1	Switch Box Bracket
	G12103	4	Lock Washer, M6
	G12212-08	4	Phillips Pan Head Machine Screw, M6-1.0 x 8, Grade 2
2	GA12539	1	Switch Box Module, InCommand 1200 (2021-2025 Production)
	G11125501	1	Switch Box Console, InCommand Go (2026 Production and On)
3	GD18408	1	Ram Vesa Base
4	GA12868	1	Ram Double Socket Arm
5	GD18407	1	Ram Base
6	GA14449	1	Flash Drive (InCommand)
7	GA13572	1	Multi-Product Cable
8	GA12853	1	Null Modem Cable
9	GA24649	1	Power Supply (InCommand)
10	GR1839	1	Dust Plug
11	GA13562	-	Cable Extension, 15' (Ag Leader)
12	GA8046	-	Dust Plug (Black)
	GA9978	-	Dust Plug (Blue)
13	GA8047	-	Dust Plug (Black)
	GA9979	-	Dust Plug (Blue)
14	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
15	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
16	GD11089	-	Sealing Plug
17	GA16923	-	Dickey John Adapter Cable
18	G11125001	-	Switch Box Angle Bracket, InCommand Go
19	G11125201	-	Switchbox Quick Attach Bracket, InCommand Go
A	GA14448	-	Ram Mount Hardware Kit



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10254901	1	GPS Receiver
2	G10254701	1	GPS Dual Port Harness
3	G10254801	1	GPS Mount Bracket

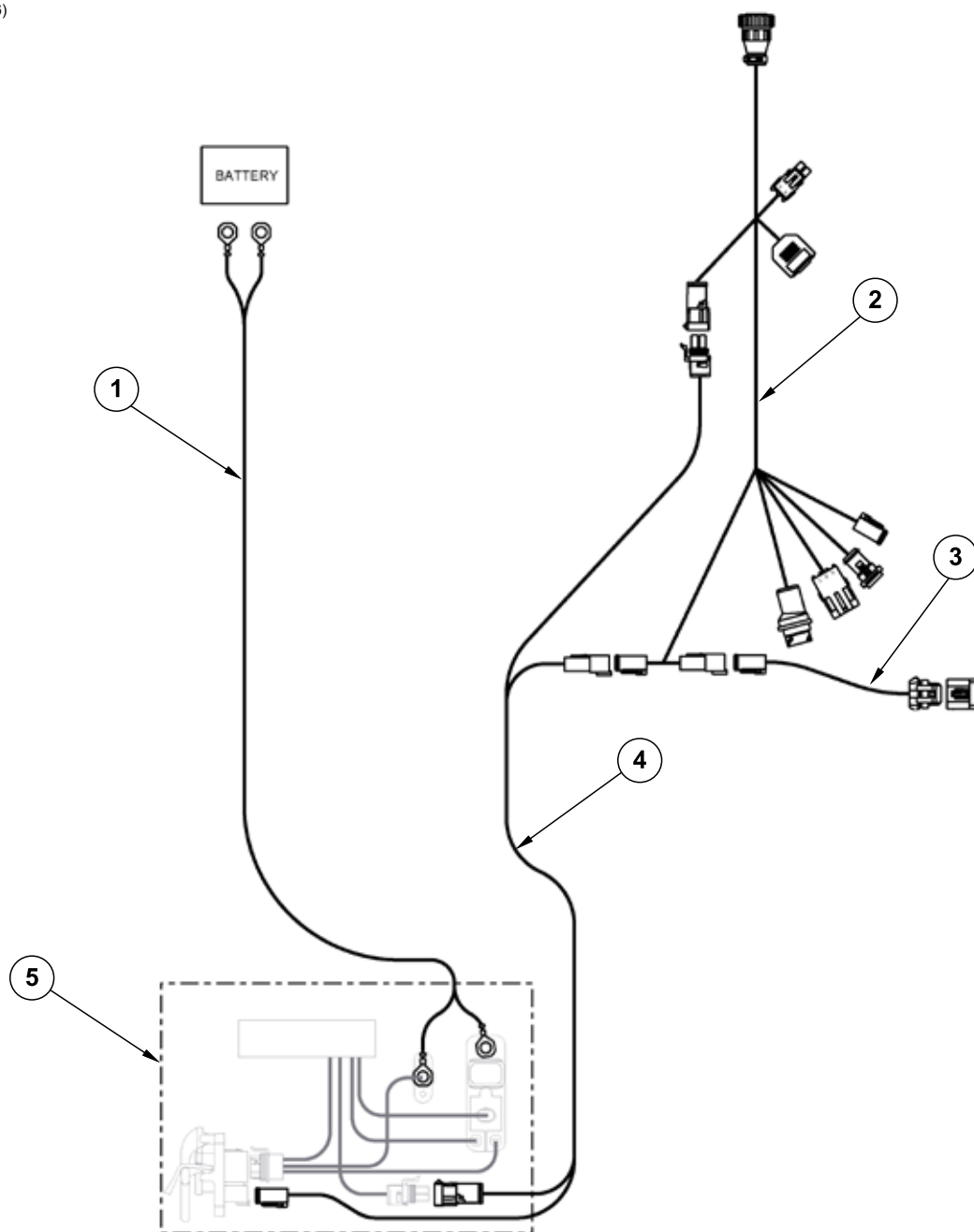
This page left blank intentionally.

(IP1372j)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA15881	1	ISOBUS Implement Cable, 456", 12 Row
	GA15907	-	ISOBUS Implement Cable, 540", 16 Row
2	GD22968	1	Terminatin Bias Circuit
3	GA15883	1	CAN Jumper Cable
4	GD22975	1	Y-Splitter, 2-Way
5	GA15290	1	ISOBUS Planter Monitor Module
6	GD22974	1	Terminating Resistor, 2-Way DTM
7	GA16343	1	Jump Start Cable
8	GA12812	1	Hall Effect Adapter
9	GA16382	1	Section Adapter Cable, 12 Row (2 Row)
	GA16375	-	Section Adapter Cable, 16 Row (2 Row)
10	GA16383	2	Clutch Cable (6 Connectors), 12 Row
	GA16376	-	Clutch Cable (8 Connectors), 16 Row
11	GA17200	-	Adapter Clutch HS Driver Cable
12	GA16374	-	See "Ag Leader Electric Clutch" on page P9
13	GA16826	-	Implement Switch Extension Cable
14	GA16829	-	See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Forces Springs Option" on page P7
15	GA12565	1	Encoder Module
16	---	-	See "Hydraulic Motor Assembly" on page P191
17	GA15884	1	Rate Control Cable
18	GA15288	1	Product Control Module
19	GA15882	1	Product Control Module Cable
20	GA16393	1	Interplant Cable (2 Rows)
	GA16381	-	Interplant Cable (3 Rows)
21	GA16350	-	ISOBUS Extension Cable
22	GA7853	-	Junction Y-Harness W/Dust Cap
	GB1090	-	Dust Cap (Included W/GA7853)
23	GA12568	-	Seed Rate Cable

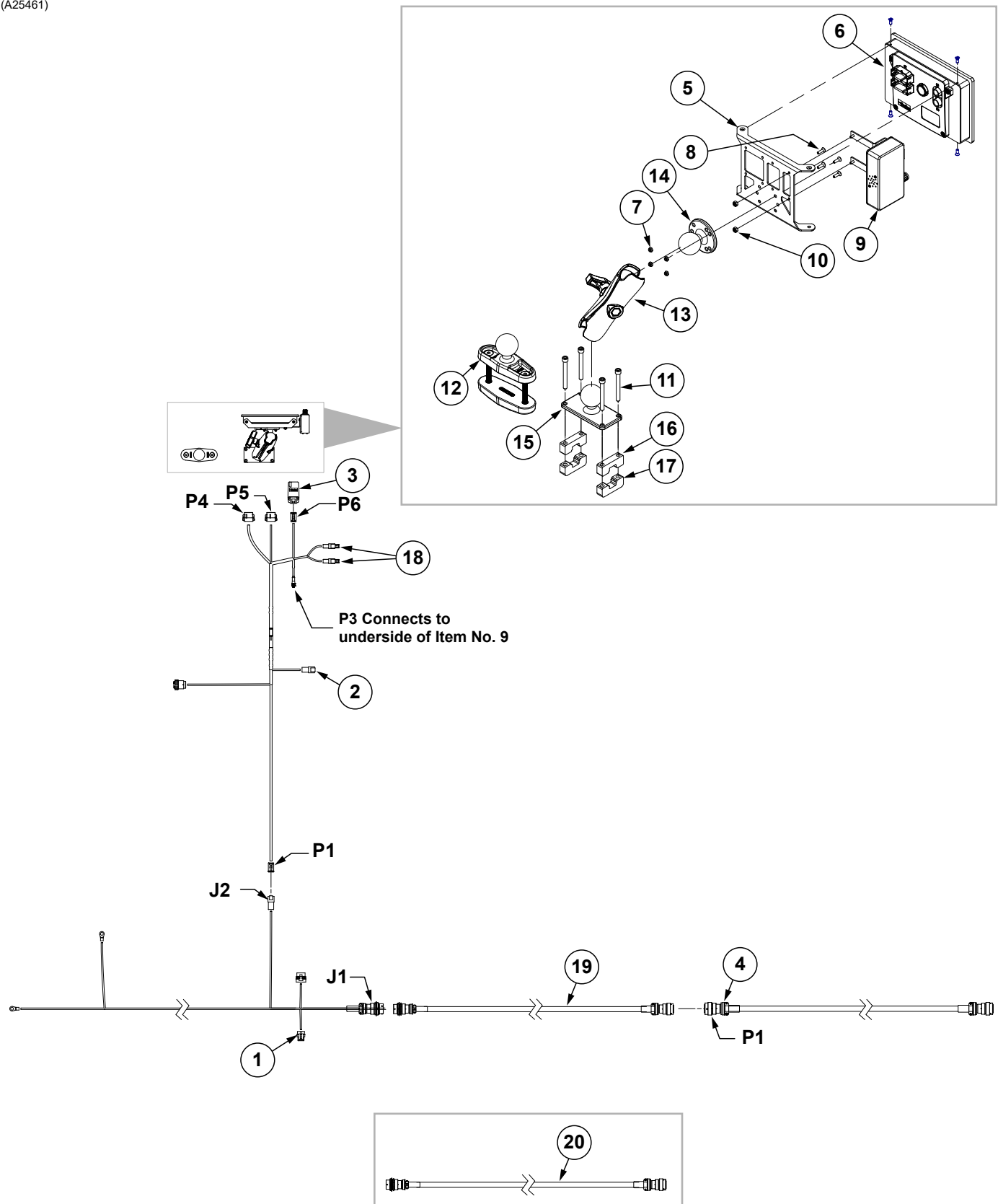
(TP1106)



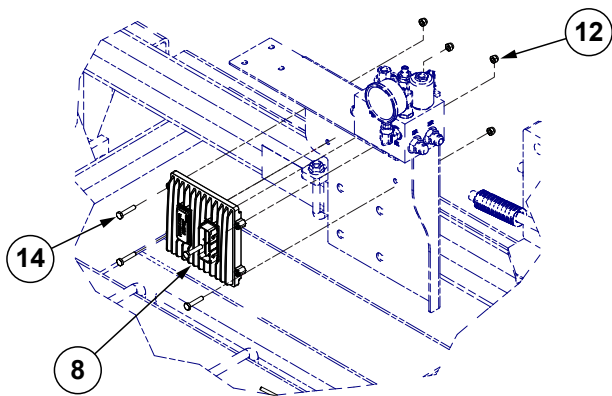
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA16834	1	Battery Cable
2	---	-	See "ISOBUS Electric Clutch Package (2021 Production Only)" on page P219 See "Ag Leader Electric Clutch" on page P211
3	GA16355	1	Terminator Cable
4	GA16832	1	ISO Integra Extension Cable
5	GA16833	1	ISO Connector

This page left blank intentionally.

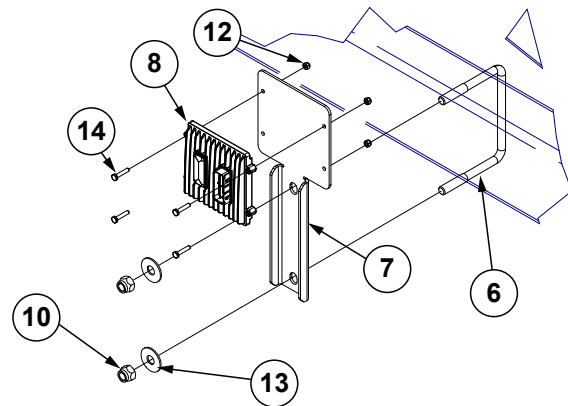
(A25461)



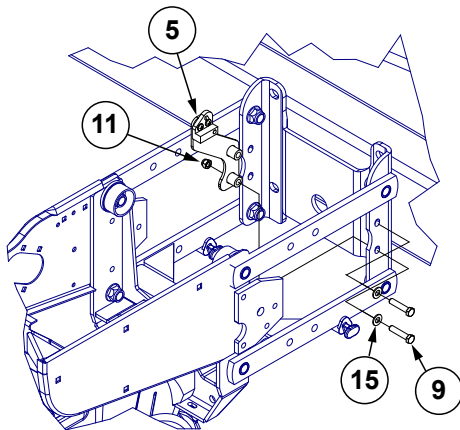
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25365	1	Tractor Power Harness
2	GA25366	1	Hydraulic Down Force Console Harness
3	G10978501	1	Bluetooth Dongle
4	GA25367	1	Hydraulic Down Force Intermediate Harness
5	GD35493	1	Bracket Mount
6	GA26013	1	Display Assembly W/Screen Protector
7	G12122	4	Hex Machine Screw Nut, M4-0.073
8	G11939	4	Phillips Flat Head Machine Screw, M4-0.7 x 14
9	GA25782	1	Speaker Box Assembly
10	G11931	2	Nylon Locknut, 6-32, Grade 2
11	G11106	4	Hex Socket Head Cap Screw, 1/4"-20 x 2 1/4"
12	GA25840	1	Alternate Clamp Base, 1 1/2" Ball
13	GA12868	1	Ram Double Socket Arm, 1 1/2" Ball
14	GD35791	1	Ram C Size, 1 1/2" Ball, Round Base
15	GD35792	1	Ram C Size, 1 1/2" Ball, Rectangle Base
16	GD33758	2	Ram Mount, Top Clamp Block
17	GD33759	2	Ram Mount, Bottom Clamp Block
18	GD22974	2	Terminating Resistor, 2-Way DTM
19	G10810301	-	Hydraulic Down Force Extension Harness, 6' (Optional Harness for Articulated Tractors)
20	GA25557	-	Hydraulic Down Force Extension Harness, 15' (Optional Harness for Articulated Tractors - Replaces Base Harness)



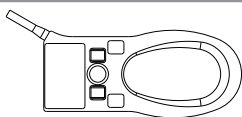
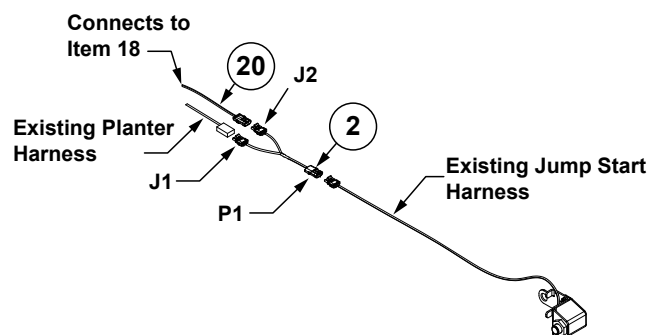
Located In Front of:
 12 Row Pull Unit No. 6
 16 Row Pull Unit No. 8



Located Between:
 12 Row Pull Units No. 2 and 3; 10 and 11
 16 Row Pull Units No. 5 and 6; 11 and 12



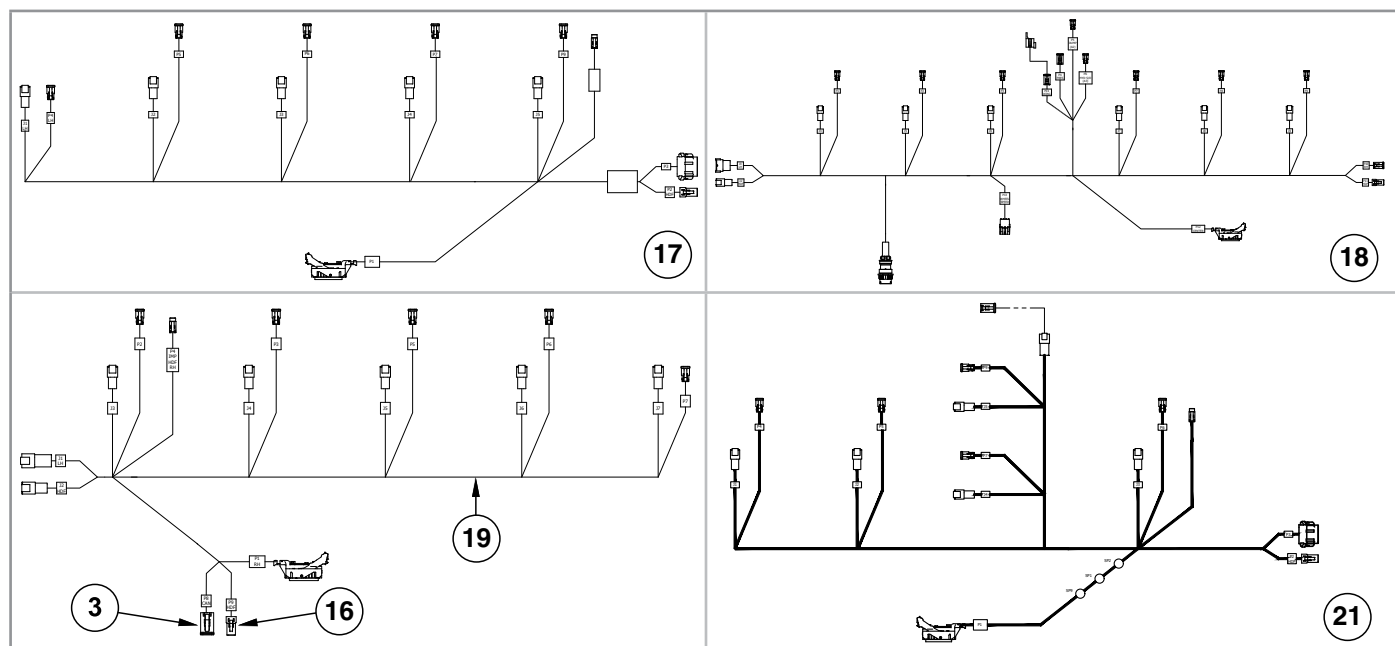
Located In:
 16 Row Pull Units No. 5 and 12
 12 Row Pull Units No. 3 and 10



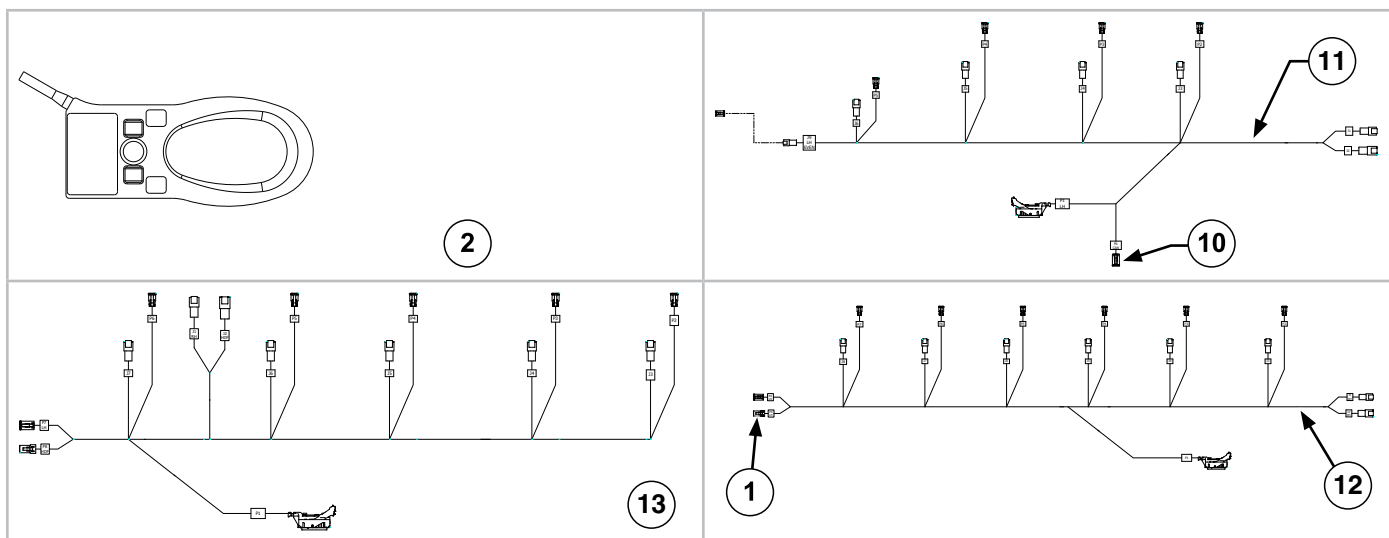
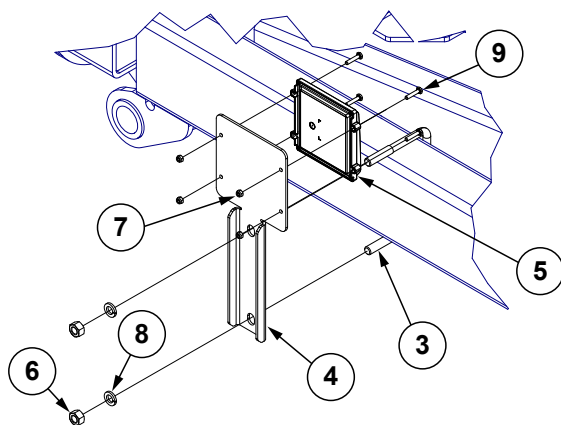
1



4

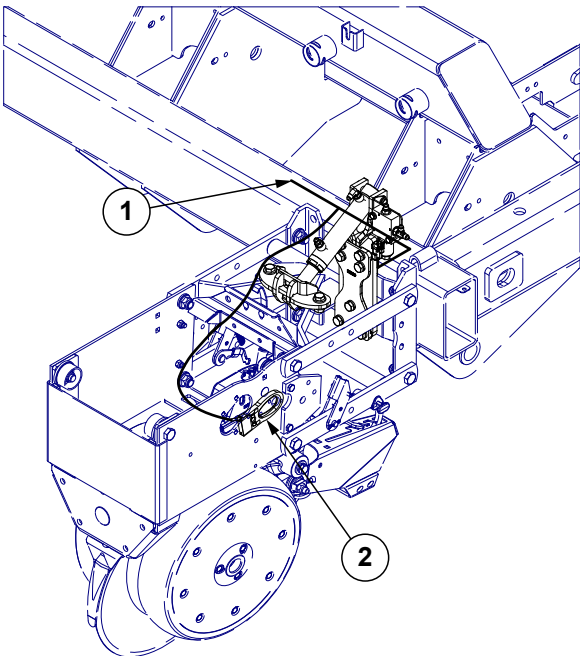


ITEM	PART NO.	QTY.	DESCRIPTION
1	GA26723	16	Sensor Link
2	GA25454	1	Wheel Speed Splitter Harness
3	GD35572	-	CAN Terminator
4	GA25369	1	Hydraulic Down Force Harnesss, 16 Row
5	GA25405	2	Position Switch
6	GD16598	2	U-Bolt, 4" x 7" x 5/8"-11
7	GD35404	2	Module Bracket
8	GA25585	3	Module Assembly
9	G10047	4	Hex Head Cap Screw, 3/8"-16 x 1 3/4"
10	G10104	4	Hex Nut, 5/8"-11, 16 Row
	G10107	4	Lock Nut, 5/8"-11, 12 Row
11	G10108	4	Lock Nut, 3/8"-16
12	G10110	12	Lock Nut, 1/4"-20, Grade B
13	G10107	2	Lock Nut, 5/8"-11
	G10217	2	Washer, 5/8" USS
14	G10857	12	Hex Head Cap Screw, 1/4"-20 x 1 1/4"
15	G11387	4	Hardened Washer, 3/8" SAE
16	GD18347	1	2-Pin Deutsch Receptacle
	GD8739	2	Sealing Plug, No. 12
17	GA25519	1	Hydraulic Down Force Harness, L.H. (Pull Row Unit), 16 Row
18	GA25520	1	Hydraulic Down Force Harness, Center (Pull Row Unit), 12 and 16 Row
19	GA26844	1	Hydraulic Down Force Harness, R.H. (Pull Row Unit), 12 Row
	GA25521	-	Hydraulic Down Force Harness, R.H. (Pull Row Unit), 16 Row
20	GA25551	1	Wheel Speed Extension Harness
21	G10142601		Hydraulic Down Force Harness - Wing, L.H. (Pull Row Unit), 12 Row

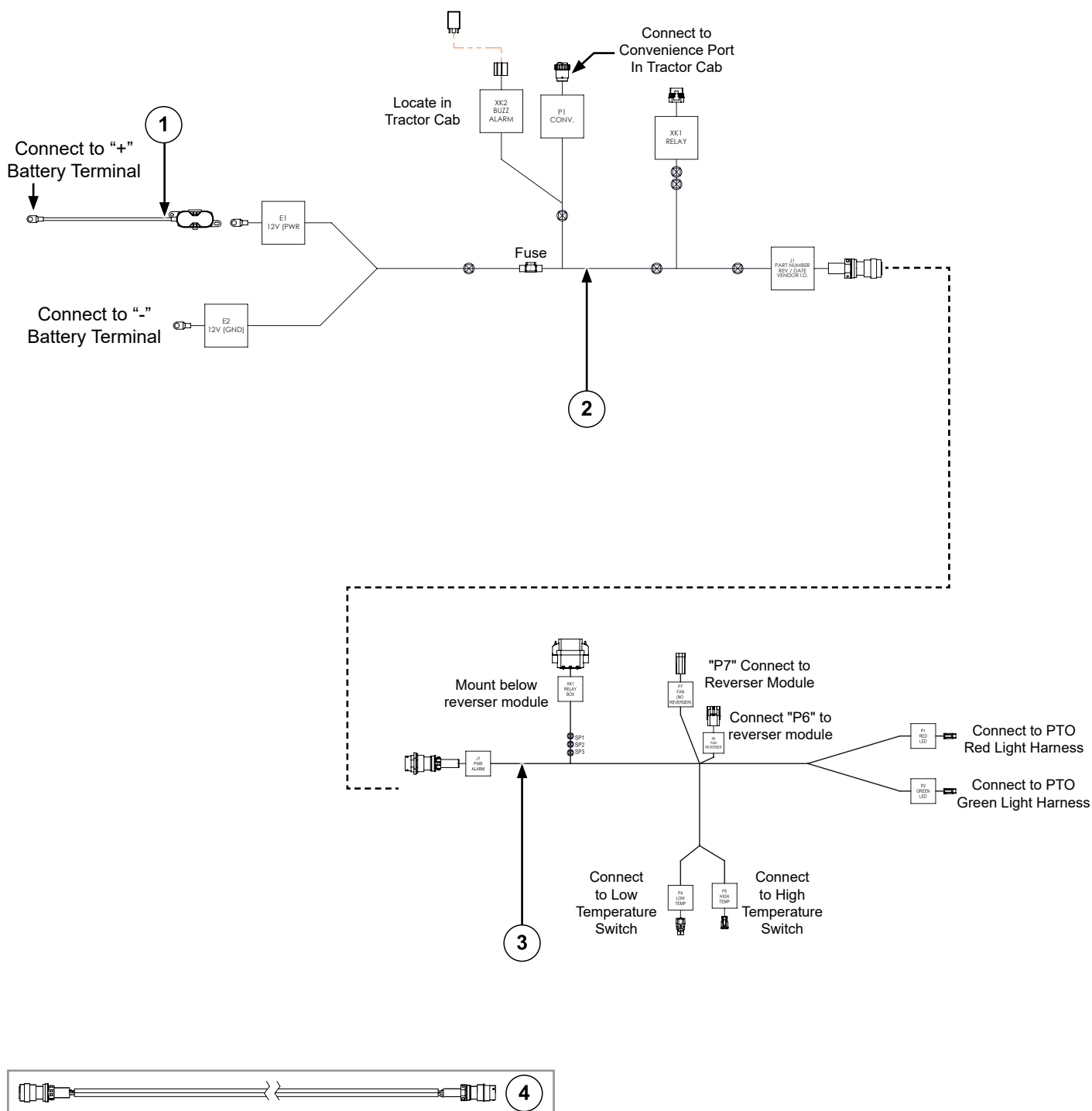


ITEM	PART NO.	QTY.	DESCRIPTION
1	GD25009	-	2-Pin Dust Cap
2	GA26723	15	Sensor Link
3	GD16598	3	U-Bolt, 4" x 7" x 5/8"-11
4	GD35404	3	Module Bracket
5	GA25585	3	Module Assembly
6	G10104	6	Hex Nut, 5/8"-11
7	G10110	12	Lock Nut, 1/4"-20, Grade B
8	G10230	6	Lock Washer, 5/8"
9	G10857	12	Hex Head Cap Screw, 1/4"-20 x 1 1/4"
10	GD35572	2	CAN Terminator
11	GA25522	1	Hydraulic Down Force Harness, L.H. (Push Row Unit), 16 Row
12	GA25523	1	Hydraulic Down Force Harness, Center (Push Row Unit), 12 and 16 Row
13	GA25524	1	Hydraulic Down Force Harness, R.H. (Push Row Unit), 16 Row

NOTE: 12 Row L.H. and R.H. Wing Harnesses for Split Row are included w/Pull Row Unit Harnesses listed on previous page.



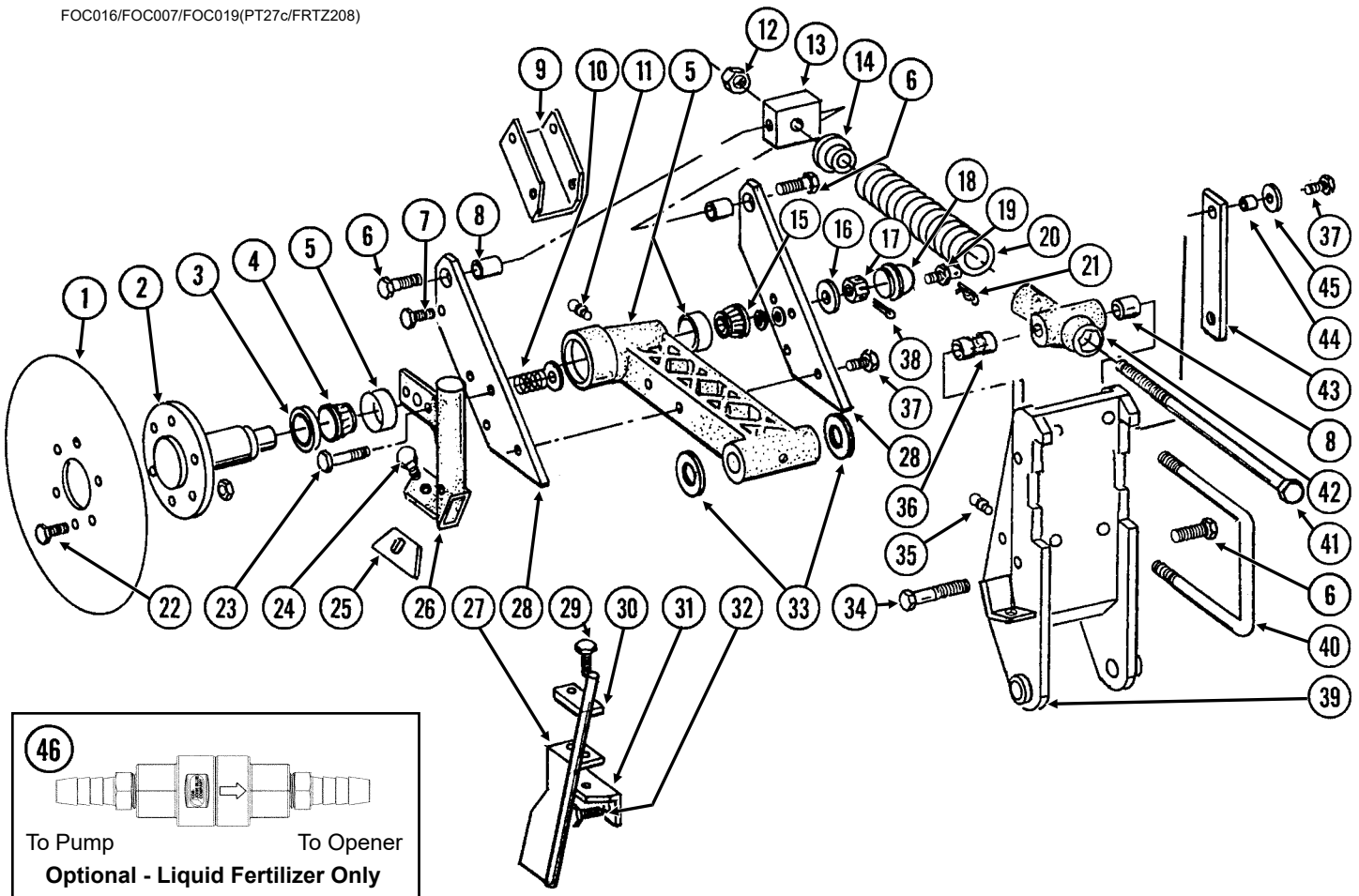
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25482	1	Hydraulic Down Force Harness (Even-Row)
2	GA26723	1	Sensor Link



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10049501	1	Tractor Battery Connection Harness and Fuse Kit
2	G10724901	1	Tractor Power Harness
3	G10357401	1	PTO Harness, 3000 Series (2022 Production)
	G10649801	1	PTO Harness, 3000 Series (2023 Production and on)
4	G10737701	-	PTO Extension Harness (Articulated Tractors)

This page left blank intentionally.

FOC016/FOC007/FOC019(PT27c/FRTZ208)

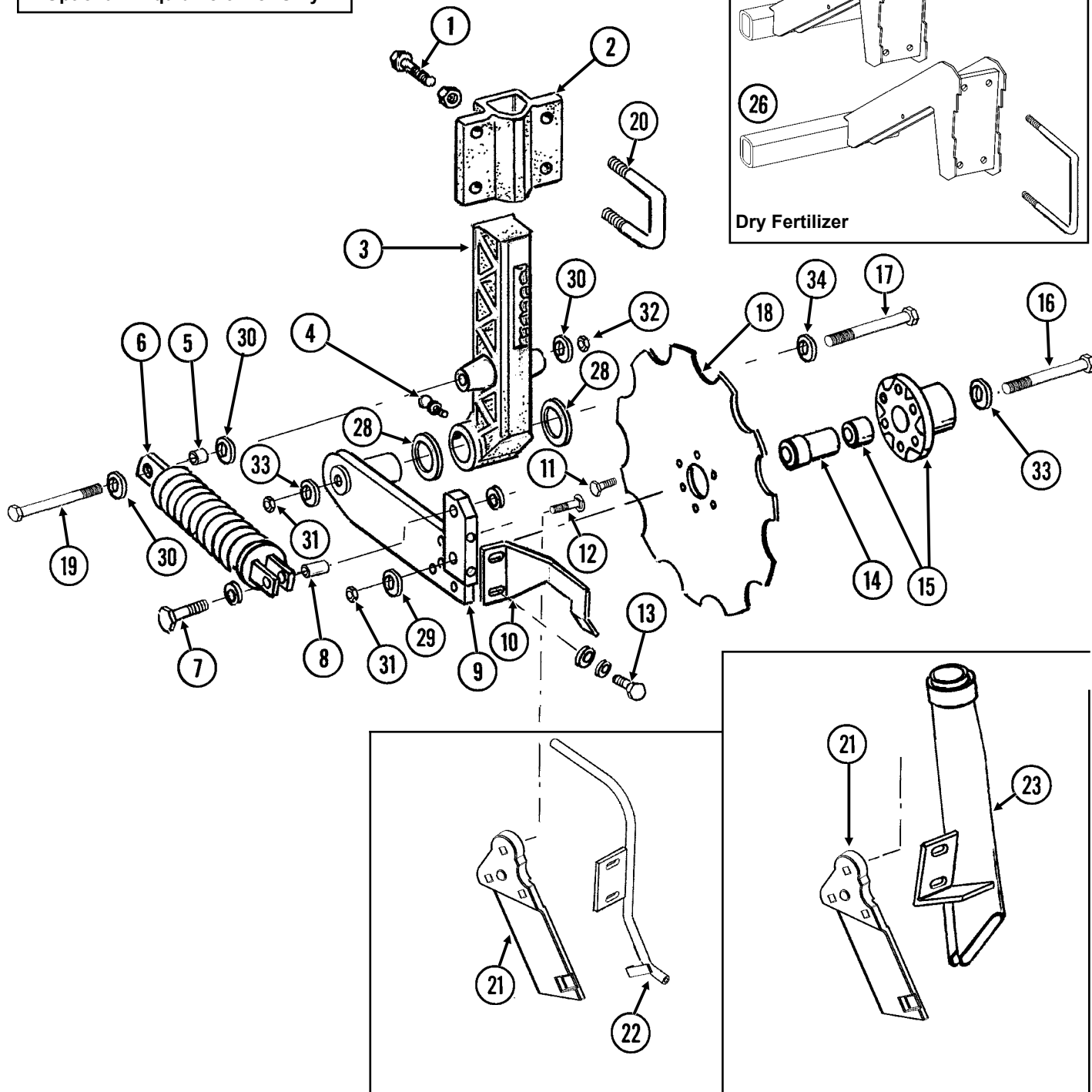
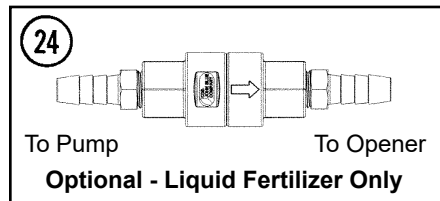


ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	GD7900	1	Disc Blade, 18"
	GD8247	-	Disc Blade, 20" (Optional)
2	GB0205	1	Spindle
3	GA4286	1	Seal
4	GA4287	1	Bearing
5	GA5887	1	Arm W/Cups And Washers
	GD6553	-	Inner Cup (Included W/GA5887)
	GR0188	-	Outer Cup (Included W/GA5887)
	G11391	3	Flat Washer, 5/8"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

ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
17	G10507	1	Slotted Nut, 1"-14
18	GD1104	1	Dust Cap
19	GD8276	1	Pin
	G10237	1	Lock Washer, 7/16"
	G10100	1	Hex Nut, 7/16"-14
20	GD10273	1	Compression Spring
21	G10592	1	Hair Pin Clip, No. 11
22	G10594	6	Bolt, 1/2"-13 x 1 1/2"
	G10111	6	Lock Nut, 1/2"-13
23	G10049	2	Hex Head Cap Screw, 3/8"-16 x 2 1/2"
	G11387	2	Flat Washer, 3/8" SAE
	G10108	2	Lock Nut, 3/8"-16
24	G10599	1	Carriage Bolt, 3/8"-16 x 1 1/4"
	G11387	1	Flat Washer, 3/8" SAE
	G10229	1	Lock Washer, 3/8"
	G10101	1	Hex Nut, 3/8"-16
25	GD7912	1	Scraper
26	GB0210	-	Drop Tube, R.H., Dry Fertilizer
	GB0209	1	Drop Tube, L.H., Dry Fertilizer (Shown)
27	GA8689	1	Drop Tube, L.H., Liquid Fertilizer (Shown)
	GA8688	-	Drop Tube, R.H., Liquid Fertilizer
28	GD8224	2	Bar
29	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G10229	2	Lock Washer, 3/8"
30	GD10487	1	Clamp
31	GD10304	-	Angle, R.H.
	GD10303	1	Angle, L.H. (Shown)
32	G10016	2	Hex Head Cap Screw, 1/2"-13 x 2"
	G10111	2	Lock Nut, 1/2"-13
33	G10322	-	Machine Bushing, 1 1/4", 18 Gauge (As Required)
34	G10862	1	Hex Head Cap Screw, 5/8"-11 x 3 1/4"
	G11391	2	Flat Washer, 5/8" SAE
	G10230	1	Lock Washer, 5/8"
35	G10640	1	Grease Fitting, 1/4"-28
36	GD10242	1	Bushing, 2 1/4"
37	G10039	5	Hex Head Cap Screw, 1/2"-13 x 1 3/4"
	G10111	5	Lock Nut, 1/2"-13
38	G10459	1	Cotter Pin, 3/16" x 1 1/2"
39	GA7240	-	Opener Mount, R.H.
	GA7239	1	Opener Mount, L.H. (Shown)
40	GD1113	2	U-Bolt, 5" x 7" x 5/8"-11
	G10230	4	Lock Washer, 5/8"
	G10104	4	Hex Nut, 5/8"-11
41	GD7907	1	Special Bolt
42	GB0206	1	Rod Guide
43	GD8239	1	Storage Strap
44	GD7904-02	1	Sleeve, 1/2" x 1/2" Long
45	G11389	3	Flat Washer, 1/2" SAE
46	GA15416	1	Check Valve Assembly

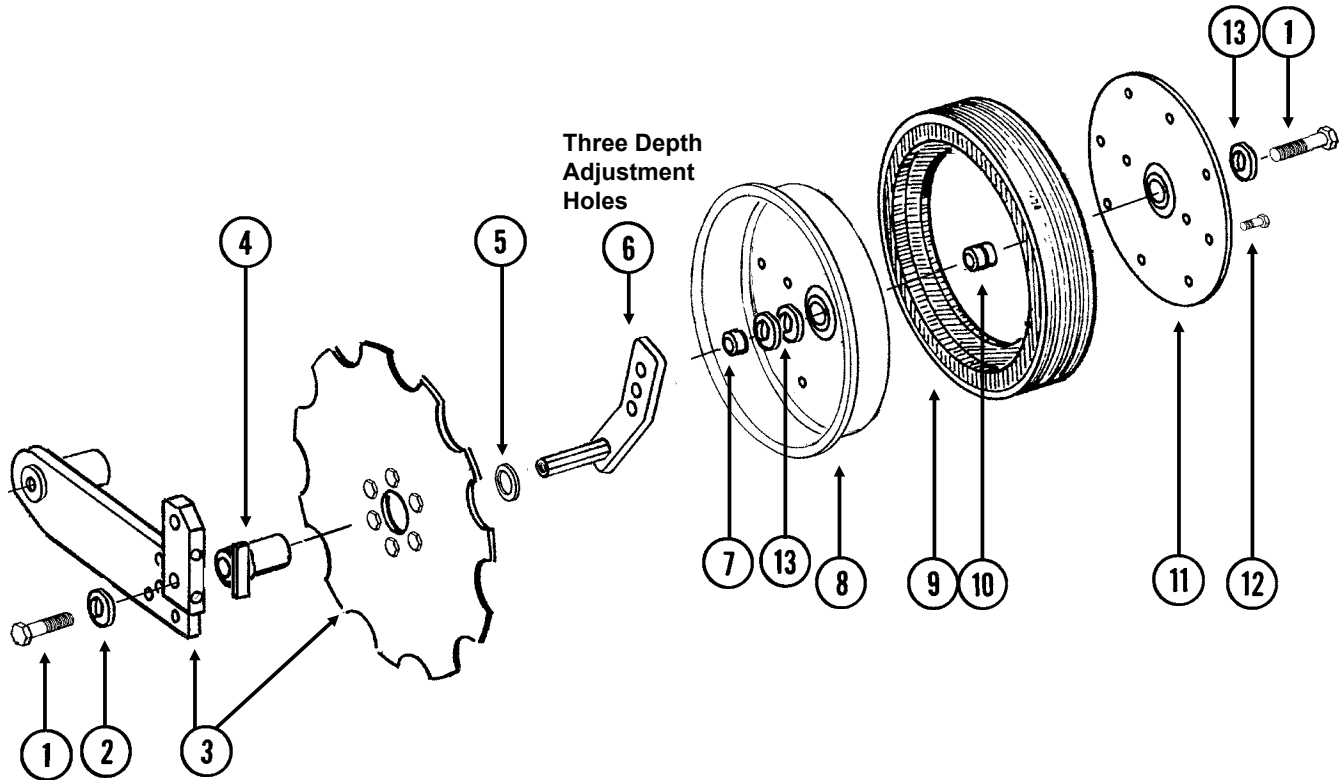
FOC018(TWL34e/TWL34f/TWL34g/FRTZ268/FRTZ208)

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



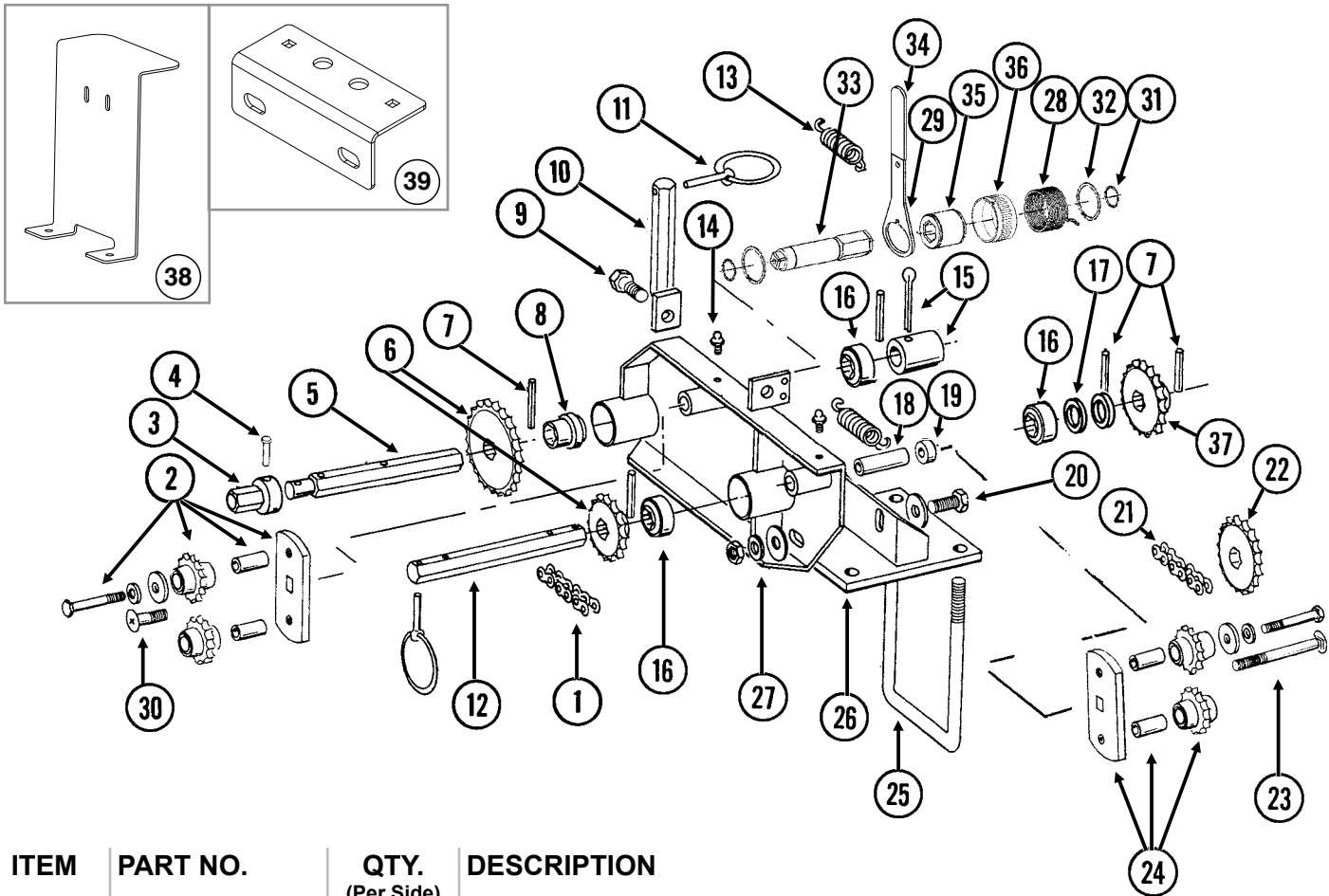
ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	G10017	3	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
	G10102	3	Hex Nut, 1/2"-13
2	GB0400	1	Mount, R.H.
	GB0405		Mount, L.H. (Shown)
3	GB0296	1	Arm, 13 1/2"
4	G10640	1	Grease Fitting, 1/4"-28
5	GD12685	1	Bushing, 3/4" O.D. x 1/2" Long
6	GA6966	1	Compression Spring Assembly
7	G10047	1	Hex Head Cap Screw, 3/8"-16 x 1 3/4"
	G11387	2	Flat Washer, 3/8" SAE
	G10108	1	Lock Nut, 3/8"-16
8	GD1026	1	Sleeve, 1 3/16" Long
9	GA9433	1	Pivot Arm, L.H. (Shown)
	GA9434	-	Pivot Arm, R.H.
10	GD11557	1	Scraper, L.H. (Shown)
	GD11558	-	Scraper, R.H.
11	G10002	6	Hex Head Cap Screw, 3/8"-16 x 3/4"
12	G10306	3	Carriage Bolt, 3/8"-16 x 2"
	G10108	3	Lock Nut, 3/8"-16
13	G10991	2	Hex Head Cap Screw, 5/16"-18 x 7/8"
	G10232	2	Lock Washer, 5/16"
	G11386	6	Flat Washer, 5/16" SAE
14	GD12679	1	Stepped Spacer, 3" Long
15	GA9437	1	Hub W/Bearing
	GA8603	-	Bearing, Double Row (Included W/GA9437)
16	G10011	1	Hex Head Cap Screw, 5/8"-11 x 5 1/2"
17	G10046	1	Hex Head Cap Screw, 5/8"-11 x 5"
18	GD12676	1	Disc Blade, Notched, 16 3/4"
19	G10871	1	Hex Head Cap Screw, 1/2"-13 x 6"
20	GD13287	2	U-Bolt, 1 1/2" x 2 1/2" x 1/2"-13
	G11389	4	Flat Washer, 1/2" Plated SAE
	G10111	4	Lock Nut, 1/2"-13
21	GB0323	1	Knife, L.H. (Shown)
	GB0322	-	Knife, R.H.
22	GA12108	1	Drop Tube, L.H., Liquid Fertilizer
	GA12109	-	Drop Tube, R.H., Liquid Fertilizer (Shown)
23	GA10047	1	Drop Tube, L.H., Dry Fertilizer
	GA10048	-	Drop Tube, R.H., Dry Fertilizer (Shown)
24	GA15416	1	Check Valve Assembly
25	GA9564	1	Opener Mount
	GD1113	2	U-Bolt, 5" x 7" x 5/8"-11
	G10230	4	Lock Washer, 5/8"
	G10104	4	Hex Nut, 5/8"-11
26	GA9819	1	Opener Mount
	GD1113	2	U-Bolt, 5" x 7" x 5/8"-11
	G10230	4	Lock Washer, 5/8"
	G10104	4	Hex Nut, 5/8"-11
27	GA9820	1	Opener Mount
	GD1113	2	U-Bolt, 5" x 7" x 5/8"-11
	G10230	4	Lock Washer, 5/8"
	G10104	4	Hex Nut, 5/8"-11
28	G10450	-	Machine Bushing, 1 1/2", 18 Gauge (As Required)
29	GD12677	1	Washer, 1 1/2" O.D., 7 Gauge, Hardened
30	G11389	-	Flat Washer, 1/2" Plated SAE
31	G10107	-	Lock Nut, 5/8"-11
32	G10111	-	Lock Nut, 1/2"-13
33	G11391	-	Flat Washer, 5/8" SAE
34	G10217	-	Washer, 5/8" USS

(FRTZ256)



ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	G10010	2	Hex Head Cap Screw, 5/8"-11 x 3"
2	G11391	1	Flat Washer, 5/8" SAE
3	---	-	See "Notched Single Disc Fertilizer Opener" on page P233
4	GA9472	1	Blade Mount
5	G10233	1	Machine Bushing, 1", 10 Gauge
6	GA10037	1	Wheel Mount, L.H. (Shown)
	GA10036	1	Wheel Mount, R.H.
7	GD13309	1	Spacer
8	GD31466	1	Half Wheel, Black
9	GD11953	1	Offset Tire
10	GA6171	1	Bearing
11	GD26598	1	Half Wheel Cover, Black
12	G10961	11	Flanged Whiz Lock Screw, 5/16"-18 x 3/4", No Serration
	G10620	11	Serrated Flange Nut, 5/16"-18
13	G10397801	-	Special Machine Bushing, 5/8" x 1" O.D. (As Required)
A	GA18311	-	Gauge Wheel Complete (Items 8-12)
B	G9881X	-	Depth/Gauge Wheel Package (Items 1-13)

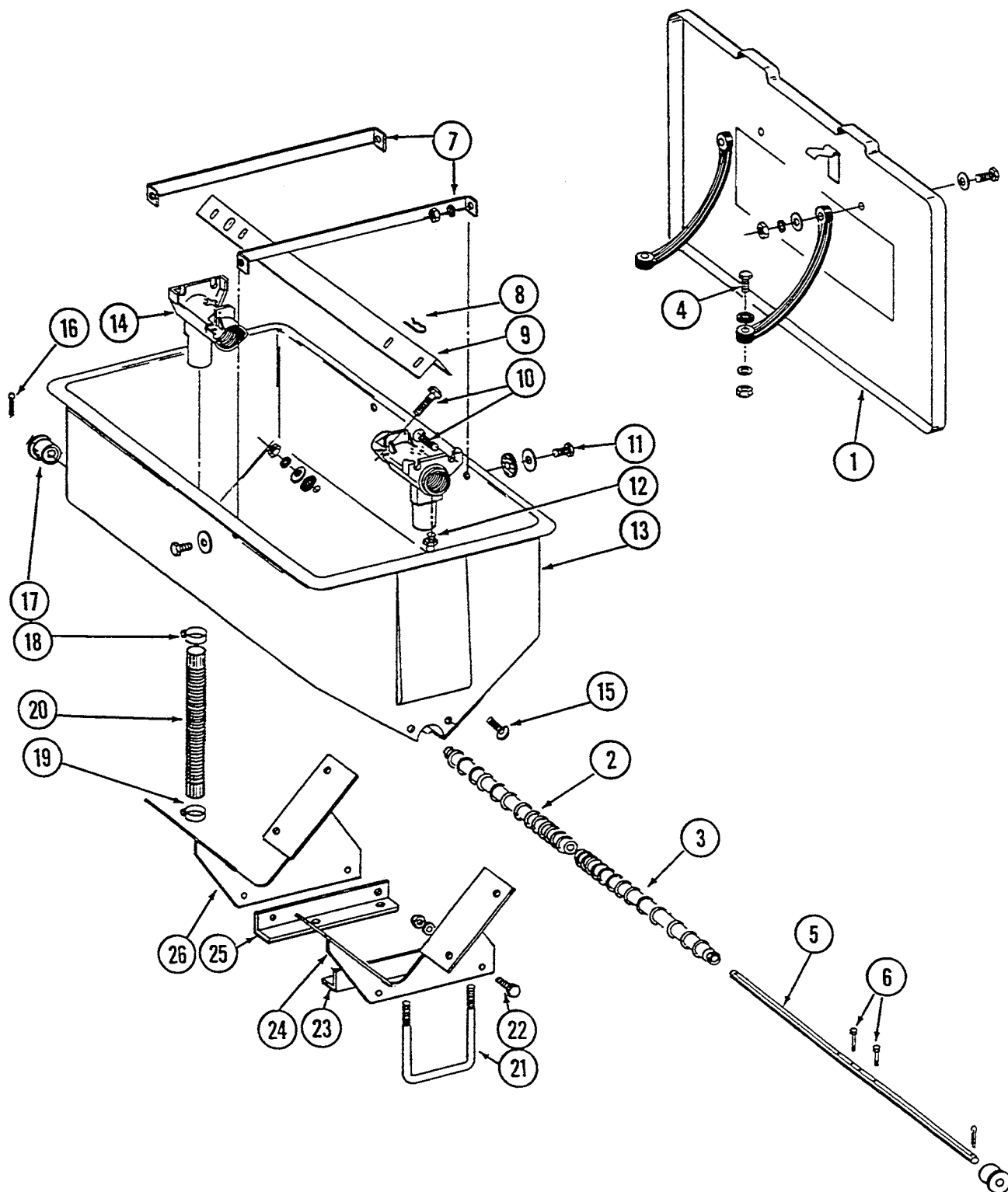
(TWL37hh)



ITEM	PART NO.	QTY. (Per Side)	DESCRIPTION
1	G3310-88 GR0912	1 -	Chain, No. 40, 88 Pitch Including Connector Link Connector Link, No. 40
2	GA7336 GD7426 GD1026 G11387 G10229 G10047	1 - - - - -	Idler W/Bolt-On Sprockets Sprocket, 12 Tooth (Included W/GA7336) Sleeve, 1 $\frac{3}{16}$ " Long (Included W/GA7336) Flat Washer, $\frac{3}{8}$ " SAE (Included W/GA7336) Lock Washer, $\frac{3}{8}$ " (Included W/GA7336) Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 1 $\frac{3}{4}$ " (Included W/GA7336)
3	GD7127	1	Shear Coupler
4	G10821 G10455	1 -	Clevis Pin, $\frac{3}{16}$ " x 2" Cotter Pin, $\frac{1}{16}$ " x $\frac{1}{2}$ "
5	GD7866	1	Shaft, $\frac{7}{8}$ " x 7 $\frac{1}{2}$ "
6	GA5105 GA5107 GA5114 GA5115 GA6337	1 1 1 1 1	Sprocket, 15 Tooth Sprocket, 19 Tooth Sprocket, 30 Tooth Sprocket, 33 Tooth Sprocket, 35 Tooth
7	G10602	6	Spring Pin, $\frac{1}{4}$ " x 1 $\frac{1}{2}$ "
8	GA5624	1	Special Bearing, $\frac{7}{8}$ " Hex Bore x 1.6"
9	G10037 G10111	1 1	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x 1 $\frac{1}{4}$ " Lock Nut, $\frac{1}{2}$ "-13
10	GA5229	1	Sprocket Storage Rod
11	GD2558	3	Lynch Pin, $\frac{1}{4}$ "

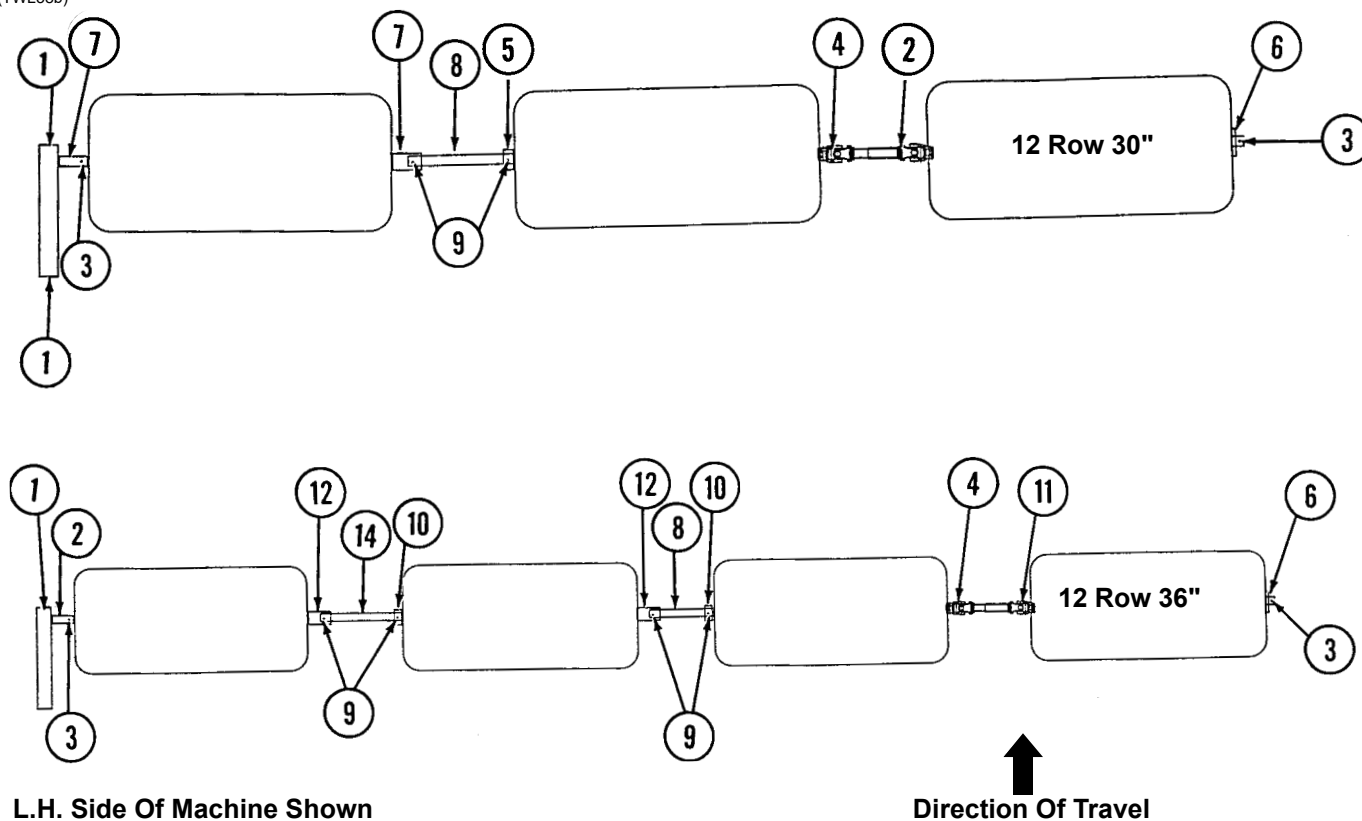
ITEM	PART NO.	QTY. (Per Side)	DESCRIPTION
12	GD10119	1	Shaft, 7/8" x 77/16"
13	GD5857	2	Spring
14	G10640	2	Grease Fitting, 1/4"-28
15	---	-	See "Dry Fertilizer Coupler/Shafts" on page P241
16	GA5116	3	Bearing, 7/8" Hex Bore, Cylindrical
17	G10233	2	Machine Bushing, 1", 10 Gauge
18	GD3180-10	1	Sleeve, 5/8" I.D. x 7/8" O.D. x 3 1/4" Long
19	GD2734-08	1	Sleeve, 1 1/4" O.D. x 5/8" Long
20	G10017	2	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
	G11389	4	Flat Washer, 1/2" SAE
	G10228	2	Lock Washer, 1/2"
	G10102	2	Hex Nut, 1/2"-13
21	G3310-130	1	Chain, No. 40, 130 Pitch Including Connector Link
	GR0912	-	Connector Link, No. 40
22	GA5114	1	Sprocket, 30 Tooth
23	G10419	1	Carriage Bolt, 1/2"-13 x 4 1/2"
	G11389	1	Flat Washer, 1/2" SAE
	G10111	1	Lock Nut, 1/2"-13
24	GA7396	1	Idler W/Bolt-On Sprockets
	GD7426	-	Sprocket, 12 Tooth (Included W/GA7396)
	GD1026	-	Sleeve, 1 3/16" Long (Included W/GA7396)
	G11387	-	Flat Washer, 3/8" SAE (Included W/GA7396)
	G10229	-	Lock Washer, 3/8" (Included W/GA7396)
	G10047	-	Hex Head Cap Screw, 3/8"-16 x 1 3/4" (Included W/GA7396)
	G10049	-	Hex Head Cap Screw, 3/8"-16 x 2 1/2" (Included W/GA7396)
	G10108	-	Lock Nut, 3/8"-16 (Included W/GA7396)
25	GD1134	2	U-Bolt, 7" x 5" x 5/8"-11
	G10230	4	Lock Washer, 5/8"
	G10104	4	Hex Nut, 5/8"-11
26	GA7129	1	Mount, L.H. (Shown)
	GA7130	-	Mount, R.H.
27	GA5671	1	Transmission Plate, L.H. (Shown)
	GA5672	-	Transmission Plate, R.H.
28	GD14413	-	Torsion Spring, L.H. (Used In R.H. Wrap Spring Wrench) (Shown)
	GD14414	1	Torsion Spring, R.H. (Used In L.H. Wrap Spring Wrench)
29	GD14431	1	Handle
30	G11100	1	Hex Socket Button Head Cap Screw, 1/4"-20 x 1/2", Grade 8
	G10227	1	Lock Washer, 1/4"
	G11453	1	Fender Washer, 1/4"
31	G11075	2	External Inverted Snap Ring, 7/8"
32	G10496	2	External Inverted Snap Ring, 1 1/2"
33	GD14427	1	Tightener Shaft, 4 7/8"
34	G11078	1	Vinyl Cap
35	GD14432	1	Sleeve, 1 1/4"
36	GD19343	1	Release Collar, Gold, R.H. (Shown)
	GD19344	-	Release Collar, Silver, L.H.
37	GA12192	1	Sprocket, 22 Tooth
38	GD26025	-	Bulkhead Mount
39	GD26024	-	Bulkhead Mount
A	G1K378	1	Wrap Spring Wrench Replacement Kit, Blue Collar, R.H. (Items 28-36) (Shown)
	G1K379	-	Wrap Spring Wrench Replacement Kit, Gray Collar, L.H. (Items 28-36)

DFC009/DFC018(TWL36)



ITEM	PART NO.	QTY. (Per Hopper)	DESCRIPTION
1	GA0898	1	Lid W/Retainers, Clips, Rivets, Rubber Straps, and Hardware
	GD1380	-	Front Clip
	GD2412	-	Rear Retainer
	G10655	-	Rivet, $\frac{3}{16}$ " x $1\frac{13}{32}$ "
	GD1210	-	Rubber Strap
	G10171	-	Hex Head Cap Screw, $\frac{5}{16}$ "-18 x $1\frac{1}{4}$ "
	G11386	-	Flat Washer, $\frac{5}{16}$ " SAE
	G10232	-	Lock Washer, $\frac{5}{16}$ "
	G10106	-	Hex Nut, $\frac{5}{16}$ "-18
2	GB0198	1	Auger, R.H.
3	GB0199	1	Auger, L.H.
4	G10133	2	Hex Head Cap Screw, $\frac{5}{16}$ "-18 x $1\frac{1}{2}$ "
	G11386	2	Flat Washer, $\frac{5}{16}$ " SAE
	G10232	2	Lock Washer, $\frac{5}{16}$ "
	G10106	2	Hex Nut, $\frac{5}{16}$ "-18
5	GD7848	1	Shaft
6	G10587	2	Hex Head Cap Screw, $\frac{1}{4}$ "-20 x 2", Stainless Steel
	G10588	2	Hex Nut, $\frac{1}{4}$ "-20, Stainless Steel
7	GD1209	2	Strap
8	G10670	2	Hair Pin Clip, No. 3
9	GD1207	1	Baffle
10	G10303	8	Carriage Bolt, $\frac{5}{16}$ "-18 x 1"
	G11386	8	Flat Washer, $\frac{5}{16}$ " SAE
	G10232	8	Lock Washer, $\frac{5}{16}$ "
	G10106	8	Hex Nut, $\frac{5}{16}$ "-18
11	G10171	4	Hex Head Cap Screw, $\frac{5}{16}$ "-18 x $1\frac{1}{4}$ "
	G10201	4	Special Washer, $\frac{3}{8}$ " x $1\frac{1}{2}$ " O.D.
	GD1213	4	Rubber Washer
	G10232	4	Lock Washer, $\frac{5}{16}$ "
	G10106	4	Hex Nut, $\frac{5}{16}$ "-18
12	G10640	2	Grease Fitting, $\frac{1}{4}$ "-28
13	GD1379	1	Hopper
14	GD1200	2	Outlet Housing
15	G10303	8	Carriage Bolt, $\frac{5}{16}$ "-18 x 1"
	G10171	-	Hex Head Cap Screw, $\frac{5}{16}$ "-18 x $1\frac{1}{4}$ " (If Applicable)
	G11386	-	Flat Washer, $\frac{5}{16}$ " SAE (If Applicable)
	G10201	8	Special Washer, $\frac{3}{8}$ " x $1\frac{1}{2}$ " O.D.
	GD1213	8	Rubber Washer
	G10232	8	Lock Washer, $\frac{5}{16}$ "
	G10106	8	Hex Nut, $\frac{5}{16}$ "-18
16	G10460	2	Cotter Pin, $\frac{1}{4}$ " x 2"
17	GB0200	2	Bearing
18	G10676	2	Hose Clamp, No. 36, Stainless Steel
19	G10672	2	Hose Clamp, No. 28
20	GD21398	2	Rubber Tube
21	GD1134	2	U-Bolt, 7" x 5" x $\frac{5}{8}$ "-11
	G10230	4	Lock Washer, $\frac{5}{8}$ "
	G10104	4	Hex Nut, $\frac{5}{8}$ "-11
22	G10017	4	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x $1\frac{1}{2}$ "
	G10228	4	Lock Washer, $\frac{1}{2}$ "
	G10102	4	Hex Nut, $\frac{1}{2}$ "-13
23	GD9131	1	Angle, L.H.
24	GA6437	1	Mount, L.H.
25	GD9132	1	Angle, R.H.
26	GA6436	1	Mount, R.H.
A	GA5667	-	Hopper Hardware Box (Items 2-7, 9, 11, 16, And 17)

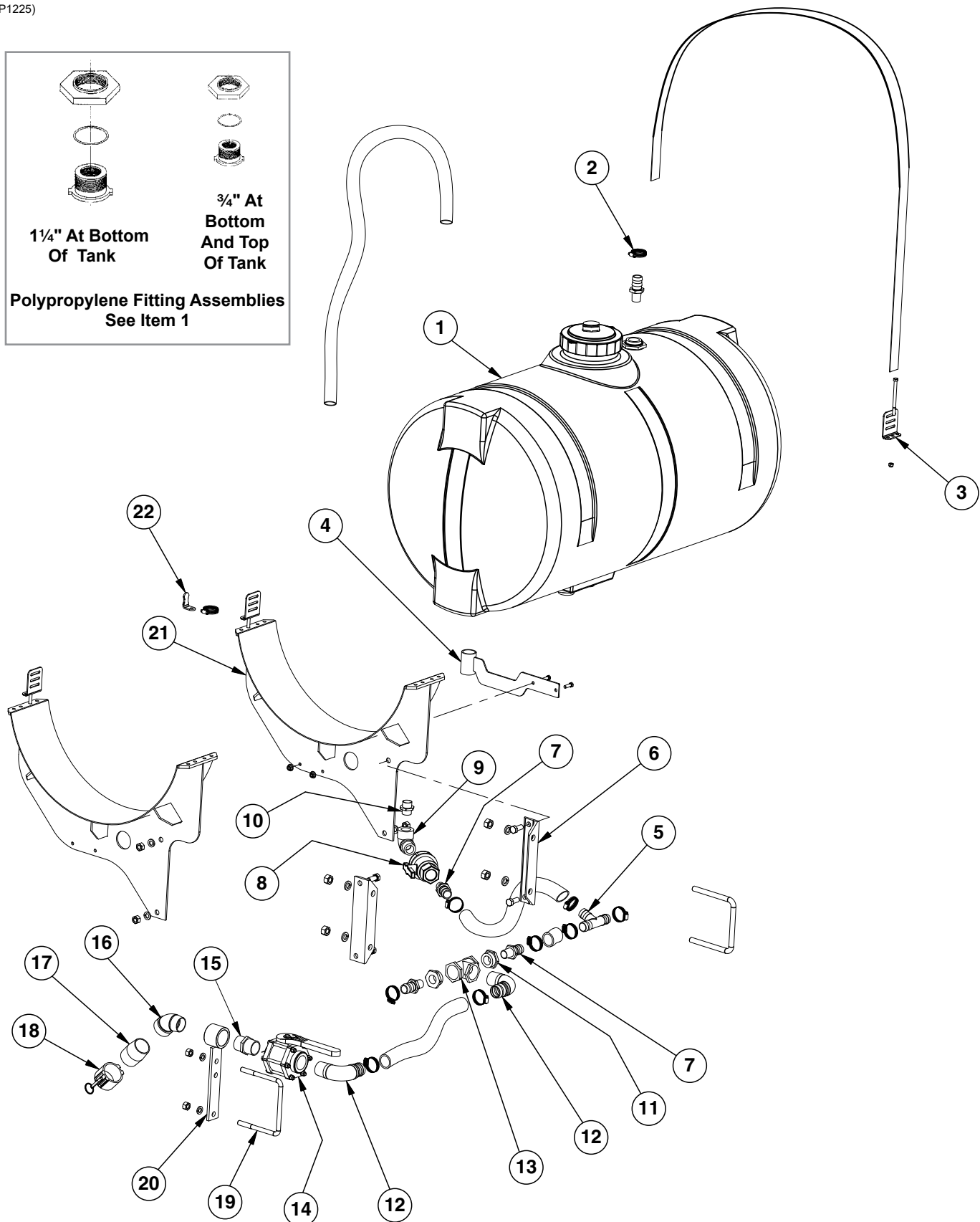
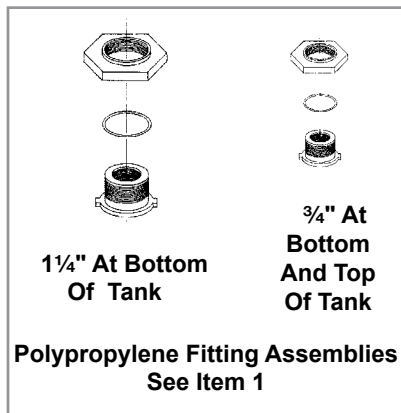
(TWL38b)



ITEM	PART NO.	QTY.	DESCRIPTION
1	---	-	See "Dry Fertilizer Drive" on page P237
2	GA7052	-	U-Joint W/Grease Fitting, Female, 10¼" Long
	GR1293	-	Yoke, 7/8" Hex (Included W/GA7052)
	GR1294	-	Cross And Bearing Kit (Included W/GA7052)
	GR1297	-	Inboard Yoke And Outer Profile (Included W/GA7052)
	GR1557	-	Grease Fitting, 45°, Metric (Included W/GA7052)
3	G10460	-	Cotter Pin, ¼" x 2"
4	GA7051	-	U-Joint W/Grease Fitting, Male, 12¼" Long
	GR1293	-	Yoke, 7/8" Hex (Included W/GA7051)
	GR1294	-	Cross And Bearing Kit (Included W/GA7051)
	GR1295	-	Inboard Yoke (Included W/GA7051)
	GR1296	-	Inner Profile (Included W/GA7051)
	GR1557	-	Grease Fitting, 45°, Metric (Included W/GA7051)
	GR1301	-	Spring Pin, 8 mm x 50 mm (Included W/GA7051)
5	GD5886	-	Coupler, 1¾"
	GR1557	-	Grease Fitting, 45°, Metric
6	G10233	-	Machine Bushing, 1", 10 Gauge
7	GD7867	-	Coupler, 3"
8	GD2548-15.5	-	Hex Shaft, 7/8" x 15½" (1 Hole)
9	G10602	-	Spring Pin, ¼" x 1½"

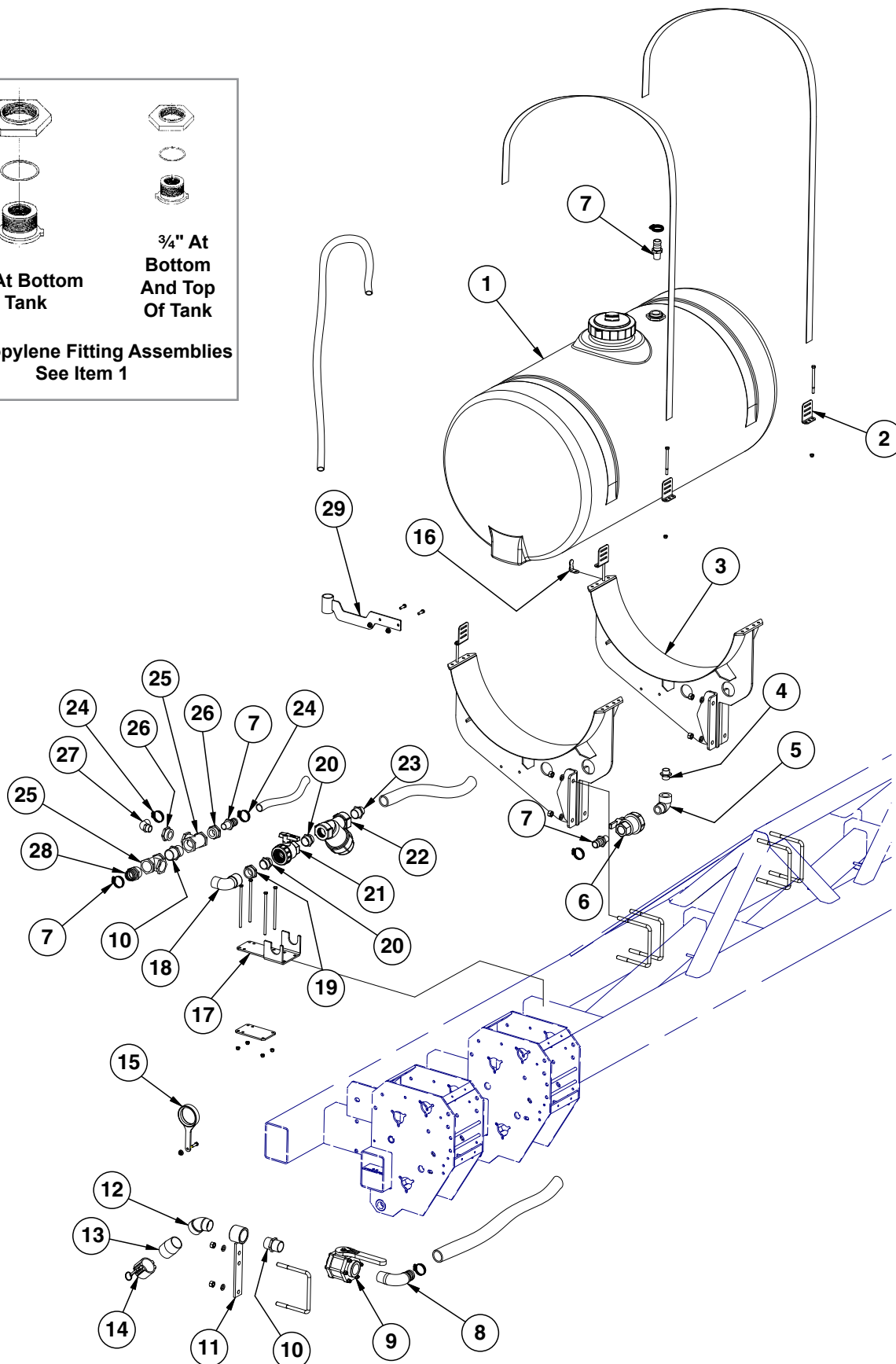
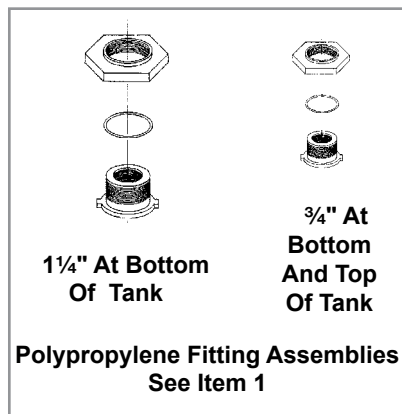
This page left blank intentionally.

(IP1225)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA14049	1	Tank W/Lid and Fittings, 150 Gallon
	GA16428	1	Lid, 7" W/Vacuum Breaker (Included W/GA14049)
	GA16157	1	Vacuum Breaker
	GR1708	1	¾" Bulkhead Overflow Fitting Assembly (Overflow Fitting, Nut, Bushing, And O-Ring) (Top And Bottom Of Tank) (Included W/GA14049)
	GR1709	2	1¼" Polypropylene Fitting Assembly (Nut, Bushing And O-Ring) (Bottom Of Tank) (Included W/GA14049)
	GR1941	1	Seal (Included W/GA14049)
	G10096	1	Pipe Plug, ¾" NPT
2	G10626	1	Adapter, 1¼" NPT To Barb
	G10674	1	Hose Clamp, No. 24
	G4602-04	1	1¼" x 32' Black Helix Hose
3	GD11123	4	Anchor
	GD11124	2	Strap, 84"
	G10901	4	Lock Nut, ⅜"-16
	G10485	4	Hex Head Tap Bolt, ⅜"-16 x 5"
	G10674	1	Hose Clamp, No. 24
4	GA14112	1	Hose Guide
	G10004	2	Hex Head Cap Screw, ⅜"-16 x 1¼"
	G11091	2	Serrated Flange Nut, ⅜"-16
5	G10633	1	Tee, 1 ¼" Barb
	G10674	3	Hose Clamp, No. 24
	G4200-03	1	Hose, 1¼" x 32', 12 Row 30"
	G4200-06	-	Hose, 1¼" x 40', 16 Row 30"
6	GD10110	2	Mounting Angle (2 Per Tank)
	GD1747	2	U-Bolt, 5" x 7" x ¾"-10
	G10231	4	Lock Washer, ¾"
	G10105	4	Hex Nut, ¾"-10
7	G10626	3	Adapter, 1¼" NPT To Barb
	G10674	3	Hose Clamp, No. 24
8	GA4976	1	Shutoff Valve, 1¼" NPT
	GR1015	-	Body O-Ring (Included W/GA4976)
	GR1016	-	Stem O-Ring (Included W/GA4976)
	GR1017	-	Teflon Seat (Included W/GA4976)
	GR1018	-	Ball (Included W/GA4976)
	GR1019	-	Handle (Included W/GA4976)
9	G10887	1	Elbow, 90°, 1¼" Male NPT To Female
10	G10619	1	Close Nipple, 1¼" NPT
11	G10616	2	Reducing Bushing, 2" Male NPT To 1¼" Female
12	G10630	2	Elbow, 90°, 2" NPT To Barb
	G10676	2	Hose Clamp, No. 36, Stainless Steel
	G4201-03	1	Hose, 2" x 18', 12 and 16 Row
13	G10888	1	Tee, 2" Female NPT
14	GA2660	1	Shutoff Valve, 2" NPT
15	G10623	1	Close Nipple, 2" NPT
16	G10889	1	Elbow, 45°, 2" Male NPT To Female
17	GD3623	1	Adapter, 2" Male NPT To Cam Lock
18	GD3951	1	Dust Cap, 2" Cam Lock
19	GD1113	1	U-Bolt, 5" x 7" x ⅝"-11
	G10230	2	Lock Washer, ⅝"
	G10104	2	Hex Nut, ⅝"-11
20	GA7845	1	Quick Fill Mount, 2"
21	GA7133	2	Tank Mount (2 Per Tank)
	GD1862	1	Pad, 8" x 14' (For Two 30" Tanks)
	G10007	4	Hex Head Cap Screw, ⅝"-11 x 1½"
	G10230	4	Lock Washer, ⅝"
	G10104	4	Hex Nut, ⅝"-11
22	GD20060	1	Hose Bracket
	G10674	1	Hose Clamp, No. 24

(IP1244)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA14050	1	Tank W/Sealed Lid, 200 Gallon
	GA16428	1	Lid, 7" W/Vaccum Breaker (Included W/GA14050)
	GA16157	1	Vacuum Breaker
	GR1708	1	¾" Bulkhead Overflow Fitting Assembly (Overflow Fitting, Nut, Bushing, And O-Ring) (Top And Bottom Of Tank) (Included W/GA14050)
	GR1709	2	1¼" Polypropylene Fitting Assembly (Nut, Bushing And O-Ring) (Bottom Of Tank) (Included W/GA14050)
	GR1941	1	Seal (Included W/GA14050)
2	GD11123	4	Anchor
	GD11124	2	Strap, 84"
	G10485	4	Hex Head Tap Bolt, ⅜"-16 x 5"
	G10901	4	Lock Nut, ⅜"-16
3	G10630101	2	200 Gallon Tank Mount
	GD1862	2	Pad, 8" x 14' (For Two 30" Tanks)
	GD1113	4	U-Bolt, 5" x 7" x ⅝"-11
	G10230	8	Lock Washer, ⅝"
	G10104	8	Hex Nut, ⅝"-11
4	G10619	1	Close Nipple, 1¼" NPT
5	G10887	1	Elbow, 90°, 1¼" Male NPT To Female
6	GA4976	1	Shutoff Valve, 1¼" NPT
	GR1015	-	Body O-Ring (Included W/GA4976)
	GR1016	-	Stem O-Ring (Included W/GA4976)
	GR1017	-	Teflon Seat (Included W/GA4976)
	GR1018	-	Ball (Included W/GA4976)
	GR1019	-	Handle (Included W/GA4976)
7	G10626	3	Adapter, 1¼" NPT To Barb
	G10676	2	Hose Clamp, No. 36, Stainless Steel
	G4200-14	1	Hose, 1¼" x 30'
8	G10630	1	Elbow, 90°, 2" NPT To Barb
	G10676	1	Hose Clamp, No. 36, Stainless Steel
	G4206-04	1	Hose, 2" x 8'
9	GA2660	1	Shutoff Valve, 2" NPT
10	G10623	2	Close Nipple, 2" NPT
11	GA7845	1	Quick Fill Mount, 2"
	GD1113	1	U-Bolt, 5" x 7" x ⅝"-11
	G10230	2	Lock Washer, ⅝"
	G10104	2	Hex Nut, ⅝"-11
12	G10889	1	Elbow, 45°, 2" Male NPT To Female
13	GD3623	1	Adapter, 2" Male NPT To Cam Lock
14	GD3951	1	Dust Cap, 2" Cam Lock
15	GA14111	1	Hose Guide
	G10004	1	Hex Head Cap Screw, ⅜"-16 x 1¼"
	G11091	1	Serrated Flange Nut, ⅜"-16
16	GD20060	1	Hose Bracket
	G10004	1	Hex Head Cap Screw, ⅜"-16 x 1¼"
	G11091	1	Serrated Flange Nut, ⅜"-16
17	GD19422	1	1½" Ball Valve Bracket
	GD2117	2	Tie Strap, 14½"
	GD19423	1	Clamp Plate
	G10686	4	Hex Head Cap Screw, ⅜"-16 x 8"
	G10108	4	Lock Nut, ⅜"-16
18	10287	1	Elbow, 90°, 2" Male NPT To Female
19	G11308	1	Reducing Bushing, 2" Male NPT to 1½" Female

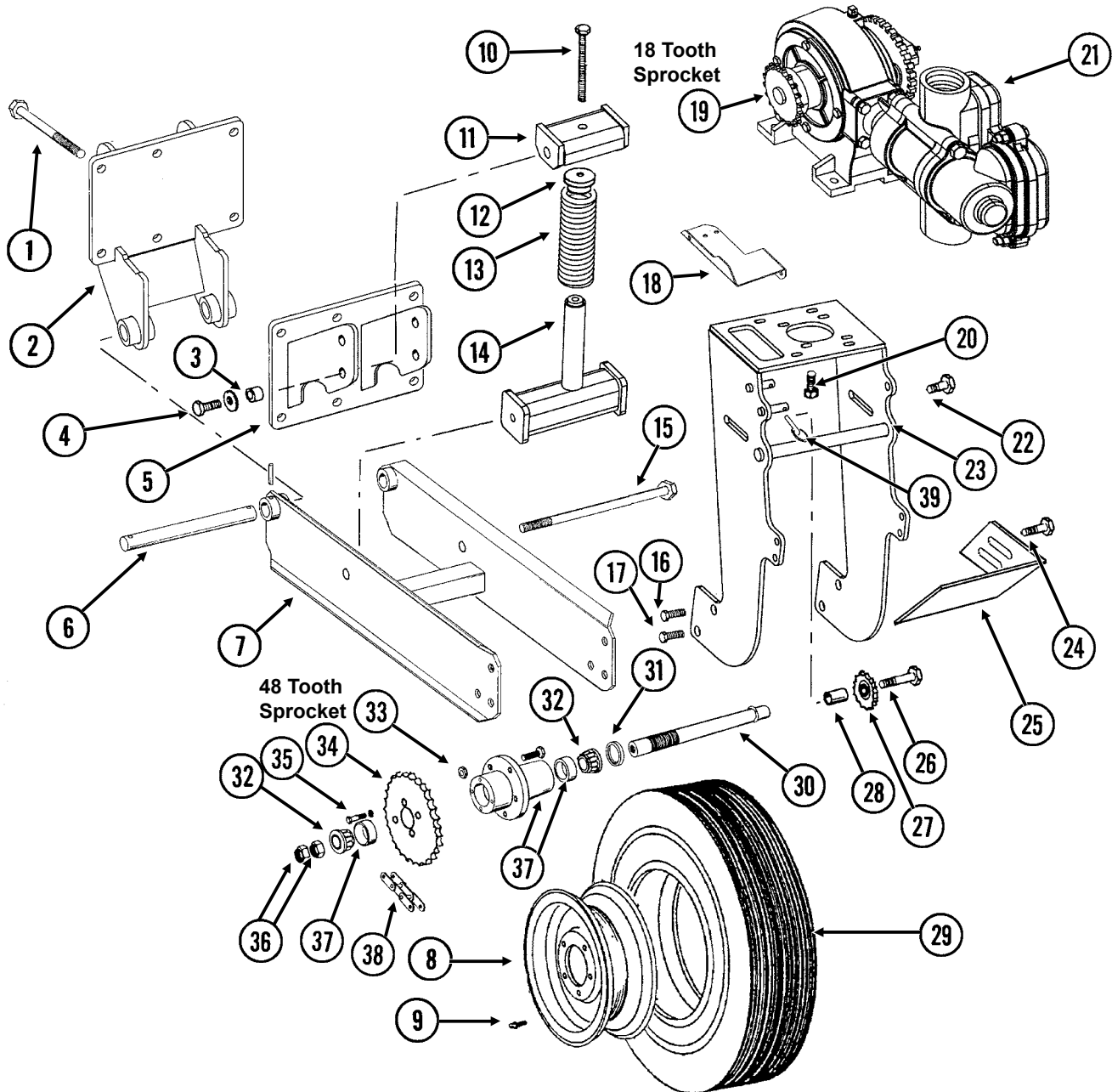
Continued on the next page.

ITEM	PART NO.	QTY.	DESCRIPTION
20	G11306	2	1½" Close Nipple
21	GA13622	1	1½" Ball Valve
22	GA13623	1	Strainer, 1½"
	GR1917	-	Screen, No. 30 Mesh
	GR1918	-	Gasket
	GR0882	-	Y-Body
	GR0883	-	End Cap
23	G10627	1	Adapter, 1½" NPT to Barb
	G4202-04	1	Hose, 1½" x 30'
24	G10674	2	Hose Clamp, No. 24
25	G10888	2	Tee, 2" Female NPT
26	G10616	2	Reducing Bushing, 2" Male NPT To 1¼" Female
27	G10629	1	Elbow, 90°, 1¼" NPT To Barb
28	G10628	1	Adapter, 2" NPT To Barb
29	GA14112	1	Hose Guide
	G10004	2	Hex Head Cap Screw, ⅜"-16 x 1¼"
	G11091	2	Serrated Flange Nut, ⅜"-16
	G4602-02	1	Hose, 1¼" x 22'

This page left blank intentionally.

(TWL219rr)

48 Tooth Drive Sprocket And 18 Tooth Driven Sprocket

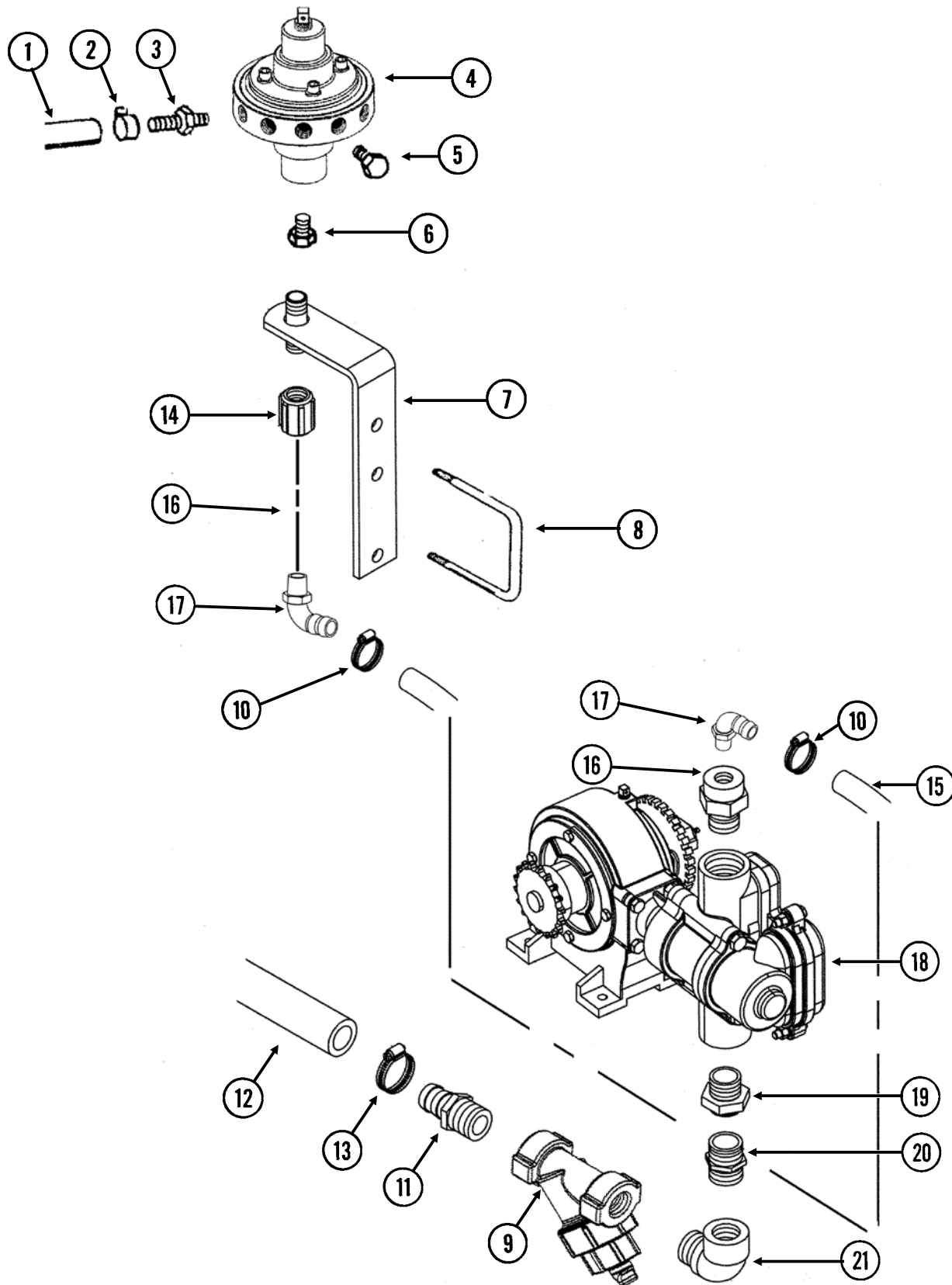


ITEM	PART NO.	QTY.	DESCRIPTION
1	G10830	6	Hex Head Cap Screw, $\frac{5}{8}$ "-11 x $7\frac{1}{2}$ "
	G10230	6	Lock Washer, $\frac{5}{8}$ "
	G10104	6	Hex Nut, $\frac{5}{8}$ "-11
2	GA10624	1	Wheel Arm Mount
3	GB0218	2	Bushing, $\frac{21}{32}$ " I.D. x $\frac{7}{8}$ " O.D. x $\frac{19}{32}$ " Long
4	G10005	2	Hex Head Cap Screw, $\frac{5}{8}$ "-11 x $1\frac{3}{4}$ "
	G11391	2	Flat Washer, $\frac{5}{8}$ " SAE
	G10107	2	Lock Nut, $\frac{5}{8}$ "-11
5	GA10622	1	Spring Mount
6	GD2681	1	Pin, $1\frac{1}{4}$ " x $13\frac{1}{2}$ "
	G10460	2	Cotter Pin, $\frac{1}{4}$ " x 2"

ITEM	PART NO.	QTY.	DESCRIPTION
7	GA10621	1	Arm W/Grease Fittings
	G10641	2	Grease Fitting, 1/8" NPT (Included W/GA10621)
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	G10003	4	Hex Head Cap Screw, 3/8"-16 x 1 1/2"
	GR1122	4	Mounting Pad
	G11387	8	Flat Washer, 3/8" SAE
	G10229	4	Lock Washer, 3/8"
	G10101	4	Hex Nut, 3/8"-16
	GR0200	1	Offset Link, No. 2050
21	---	-	See "Liquid Fertilizer Piston Pump (Uses 18 Tooth Sprocket)" on page P255
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	G10615701	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
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 (Included W/GA0547)
	GR0204	5	Stud (Included W/GA0547)
38	G3200-63	-	Chain, No. 2050, 63 Pitch Including Connector And Offset Link, Used With NGP-7075 Piston Pump
	GR0195	-	Connector Link, No. 2050
	GR0200	-	Offset Link, No. 2050
39	GD2558	1	Lynch Pin, 1/4"

* 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.

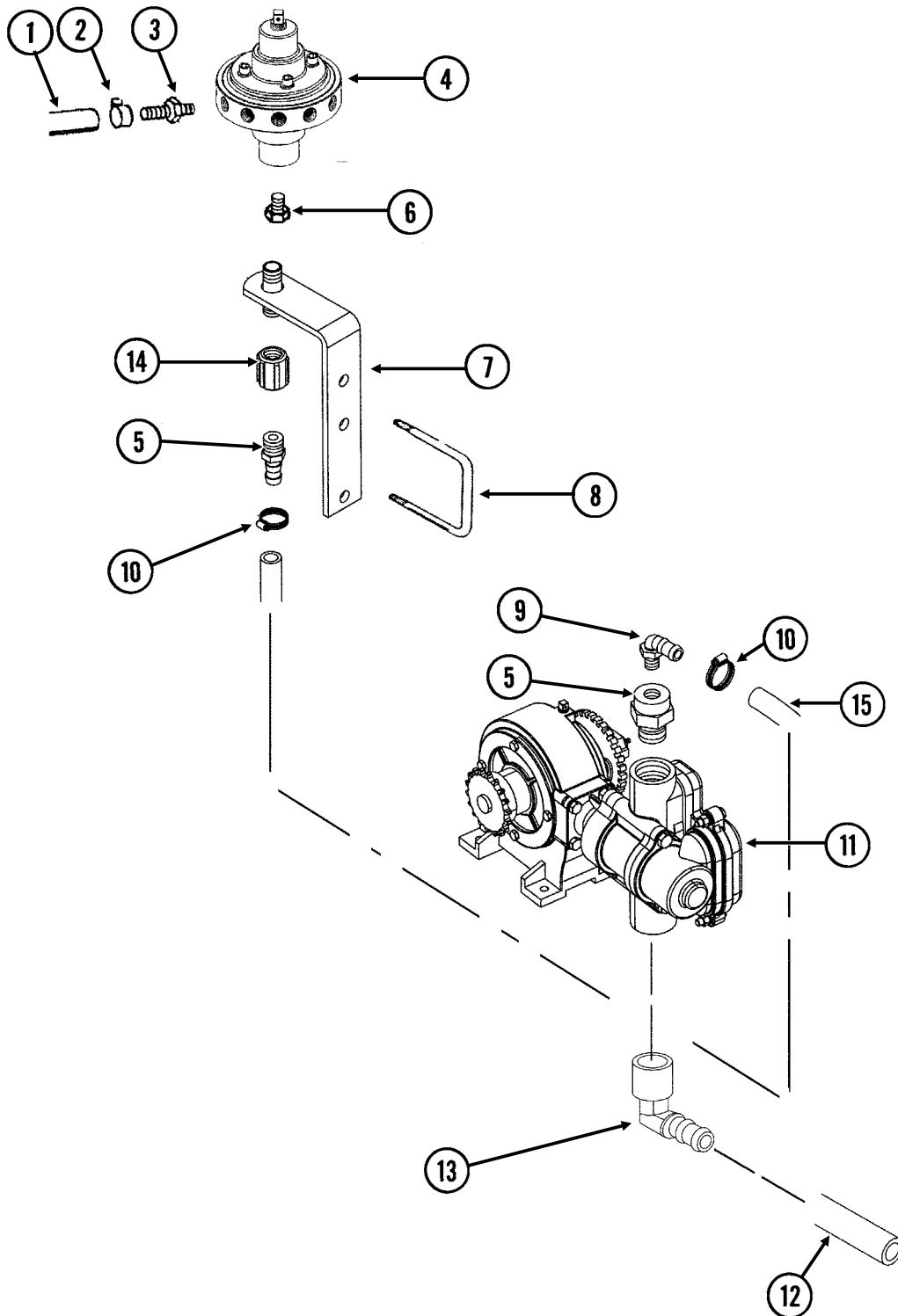
(FRTZ280/FRTZ298)



Liquid Fertilizer Flow Divider Mount and Hoses (Conventional)

ITEM	PART NO.	QTY.	DESCRIPTION
1	G4301-06	1	Hose, 3/8" x 160', 12 Row
	G4301-05	1-2	Hose, 3/8" x 120', 16 Row
2	G10681	-	Hose Clamp, No. 6
3	GD11700	-	Adapter, 1/4" NPT To 3/8" Barb
4	---	-	See "Liquid Fertilizer Piston Pump Flow Divider" on page P257
5	G10292	-	Pipe Plug, 1/4" NPT
6	G10995	1	Reducing Bushing, 1" Male NPT To 3/4" Female, Stainless Steel (If Applicable)
7	GA6527	1	Mount, 3/4" NPT
8	GD1113	1	U-Bolt, 5" x 7" x 5/8"-11
	G10230	2	Lock Washer, 5/8"
	G10104	2	Hex Nut, 5/8"-11
9	GA3893	1	Strainer Complete
	GR0880	-	Screen, No. 40 Mesh (Included W/GA3893)
	GR0881	-	Gasket (Included W/GA3893)
	GR0882	-	Y-Body (Included W/GA3893)
	GR0883	-	End Cap (Included W/GA3893)
10	G10278	-	Hose Clamp, No. 16
11	G10626	2	Adapter, 1 1/4" NPT To Barb
12	---	-	See "Liquid Fertilizer Tanks, Saddles, Saddle Mounts, and Hoses (Conventional)" on page P243
13	G10674	2	Hose Clamp, No. 24
14	G11083	1	Coupler, 3/4" Female NPT
15	G4205-10	-	Hose, 3/4" x 200"
16	---	-	---
17	G10917	2	Elbow, 90°, 3/4" NPT To Barb
18	---	-	See "Liquid Fertilizer Piston Pump (Uses 18 Tooth Sprocket)" on page P255
19	G10615	1	Reducing Bushing, 1 1/2" Male NPT To 1 1/4" Female
20	G10619	1	Close Nipple, 1 1/4" NPT
21	G10887	1	Elbow, 90°, 1 1/4" Male NPT To Female

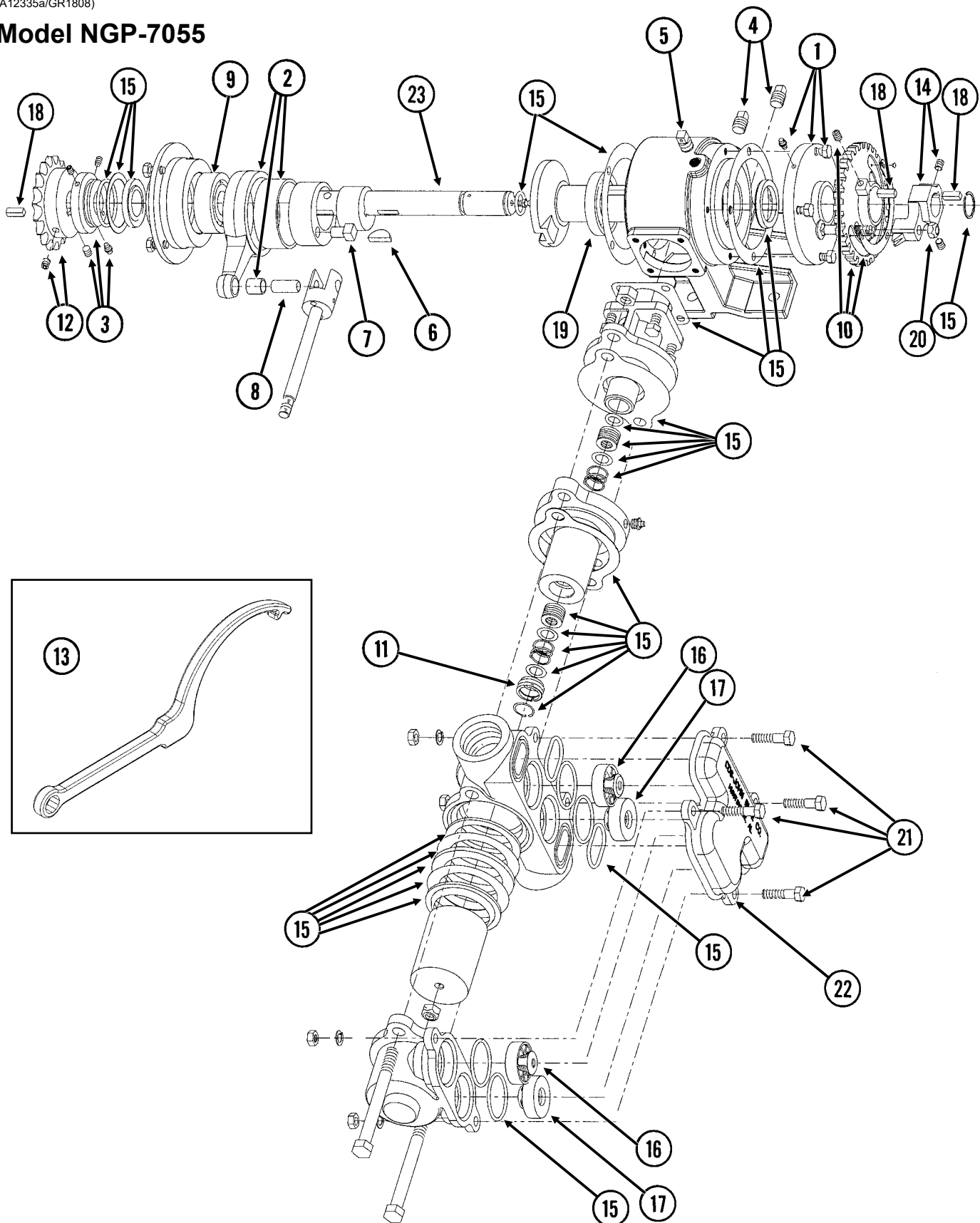
(FRTZ298b)



Liquid Fertilizer Flow Divider Mount and Hoses (Bulk Fill)

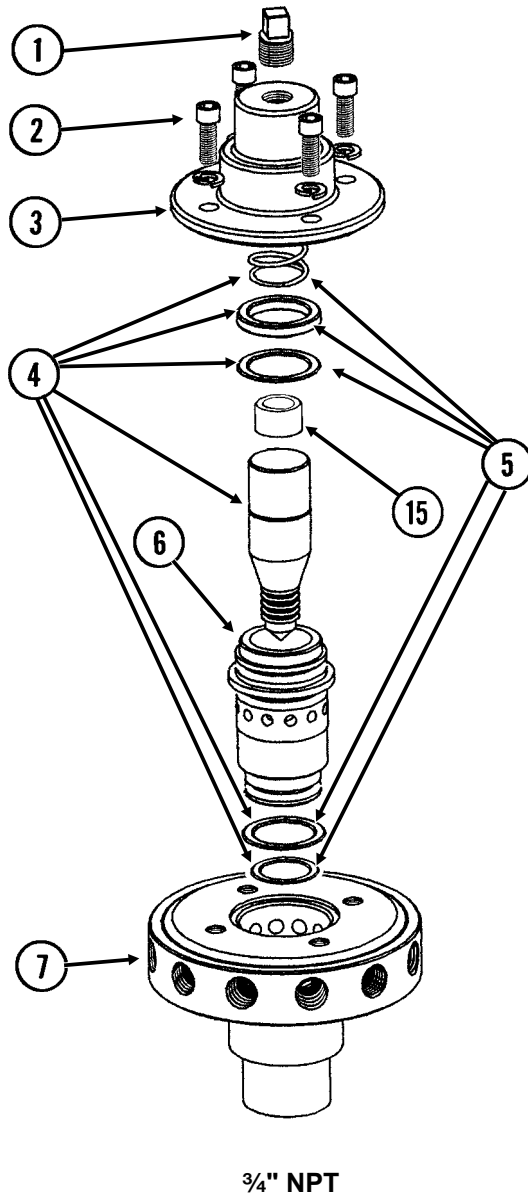
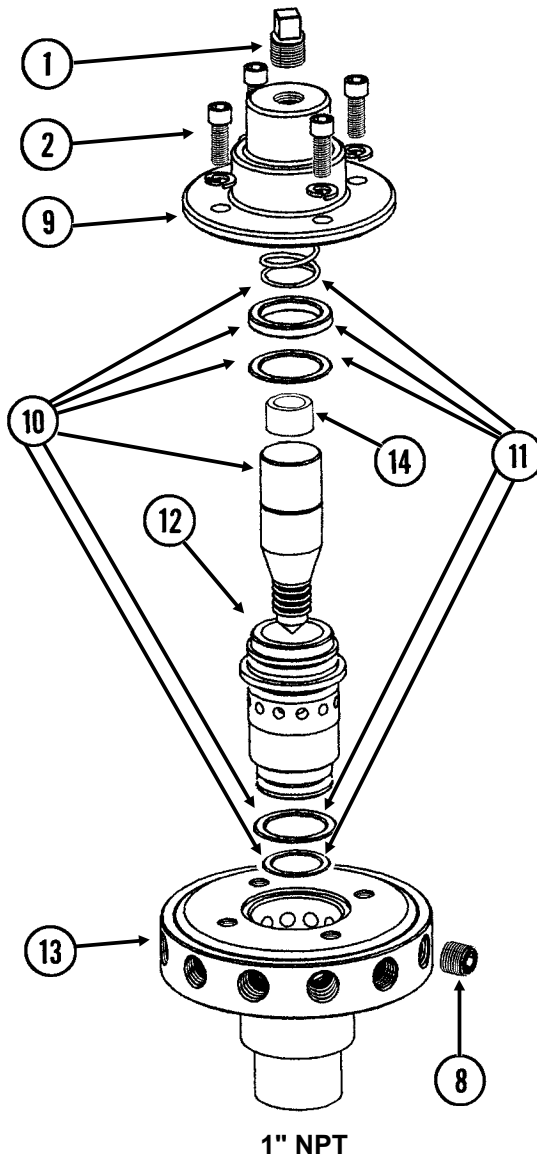
ITEM	PART NO.	QTY.	DESCRIPTION
1	G4301-06	1	Hose, 3/8" x 160', 12 Row
	G4301-05	1-2	Hose, 3/8" x 120', 16 Row
2	G10681	-	Hose Clamp, No. 6
3	GD11700	-	Adapter, 1/4" NPT To 3/8" Barb
4	---	-	See "Liquid Fertilizer Piston Pump Flow Divider" on page P257
5	G10734	1	Reducing Bushing, 1 1/2" Male NPT To 3/4" Female
6	G10995	1	Reducing Bushing, 1" Male NPT To 3/4" Female, Stainless Steel (If Applicable)
7	GA6527	1	Mount, 3/4" NPT
8	GD1113	1	U-Bolt, 5" x 7" x 5/8"-11
	G10230	2	Lock Washer, 5/8"
	G10104	2	Hex Nut, 5/8"-11
9	G10917	1	Elbow, 90°, 3/4" NPT To Barb
10	G10278	-	Hose Clamp, No. 16
11	---	-	See "Liquid Fertilizer Piston Pump (Uses 18 Tooth Sprocket)" on page P255
12	---	-	See "Liquid Fertilizer Tanks, Saddles, Saddle Mounts, and Hoses (Bulk Fill)" on page P245
13	G11305	1	1 1/2" Male NPT/Hose Barb Elbow
14	G11083	1	Coupler, 3/4" Female NPT
15	G4205-10	-	Hose, 3/4" x 200"

(A12335a/GR1808)

Model NGP-7055

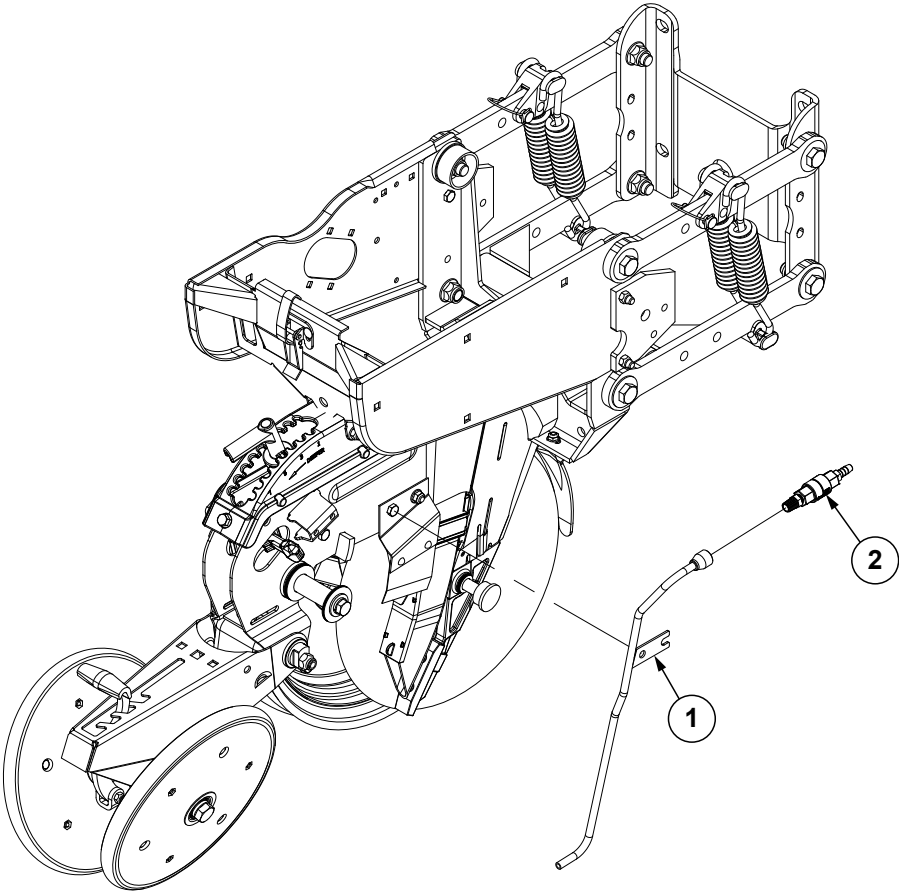
ITEM	PART NO.	QTY.	DESCRIPTION
1	GR1804	1	Flange Cover Assembly
	G10991	4	Hex Head Cap Screw, $\frac{5}{16}$ "-18 x $\frac{7}{8}$ "
2	GR1803	1	Connecting Rod Assembly
3	GR1801	1	Spacer Assembly
	G10693	3	Hex Socket Head Set Screw, $\frac{5}{16}$ "-18 x $\frac{3}{8}$ "
4	GR1123	2	Plug
5	GR1543	1	Vent Plug
6	GR1112	1	Woodruff Key
7	GR1120	1	Eccentric Pin
8	GR1124	1	Pin
9	GR1104	1	Bearing
10	GR1805	1	Setting Hub Assembly
11	GR1134	1	Stuffing Box Insert
12	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, $\frac{3}{8}$ "-16 x 2"
	G10108	1	Lock Nut, $\frac{3}{8}$ "-16
21	G10003	4	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $1\frac{1}{2}$ "
	G11387	4	Flat Washer, $\frac{3}{8}$ " SAE
	G10229	4	Lock Washer, $\frac{3}{8}$ "
	G10101	4	Hex Nut, $\frac{3}{8}$ "-16
22	GR2011	1	Valve Cover, NPG-7055
23	GR2185	-	Crankshaft
A	GA12335	-	Piston Pump Complete W/18 Tooth Sprocket (Model NGP-7055)

(FRTZ159/PT40a/FRTZ202c)

**Model FD-1200 Flow Divider,
12 Outlet****Model FD-2000 Flow Divider,
20 Outlet**

ITEM	PART NO.	QTY.	DESCRIPTION
1	GR1543	1	Vent Plug
2	GR1542	4	Hex Socket Head Screw, 1/4"-20 x 3/4"
	GR1541	4	Lock Washer, 1/4", Stainless Steel
3	GR1540	1	Cap
4	GR1544	1	Needle Assembly W/Seal Kit (Item 22)
5	GR1545	1	Seal Kit, Includes: (3) O-Rings, (1) Seal, (1) Spring
6	GR1535	1	Sleeve
7	GR1533	1	Body, 12 Outlets
8	G10350	4	Hex Socket Head Plug, 1/4" NPT, Stainless Steel
9	GR1566	1	Cap
10	GR1567	1	Needle Assembly W/Seal Kit (Item 22)
11	GR1568	1	Seal Kit, Includes: (3) O-Rings, (1) Seal, (1) Spring
12	GR1561	1	Sleeve
13	GR1559	1	Body, 20 Outlets
14	GR1575	1	Sleeve, Stainless Steel
15	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) (Items 1-7) (12 Row Sizes)
B	GA9407	1	Liquid Fertilizer Piston Pump Flow Divider Complete, 20 Outlet (Model FD-2000) (Items 1, 2 And 8-14) (16 Row Size)

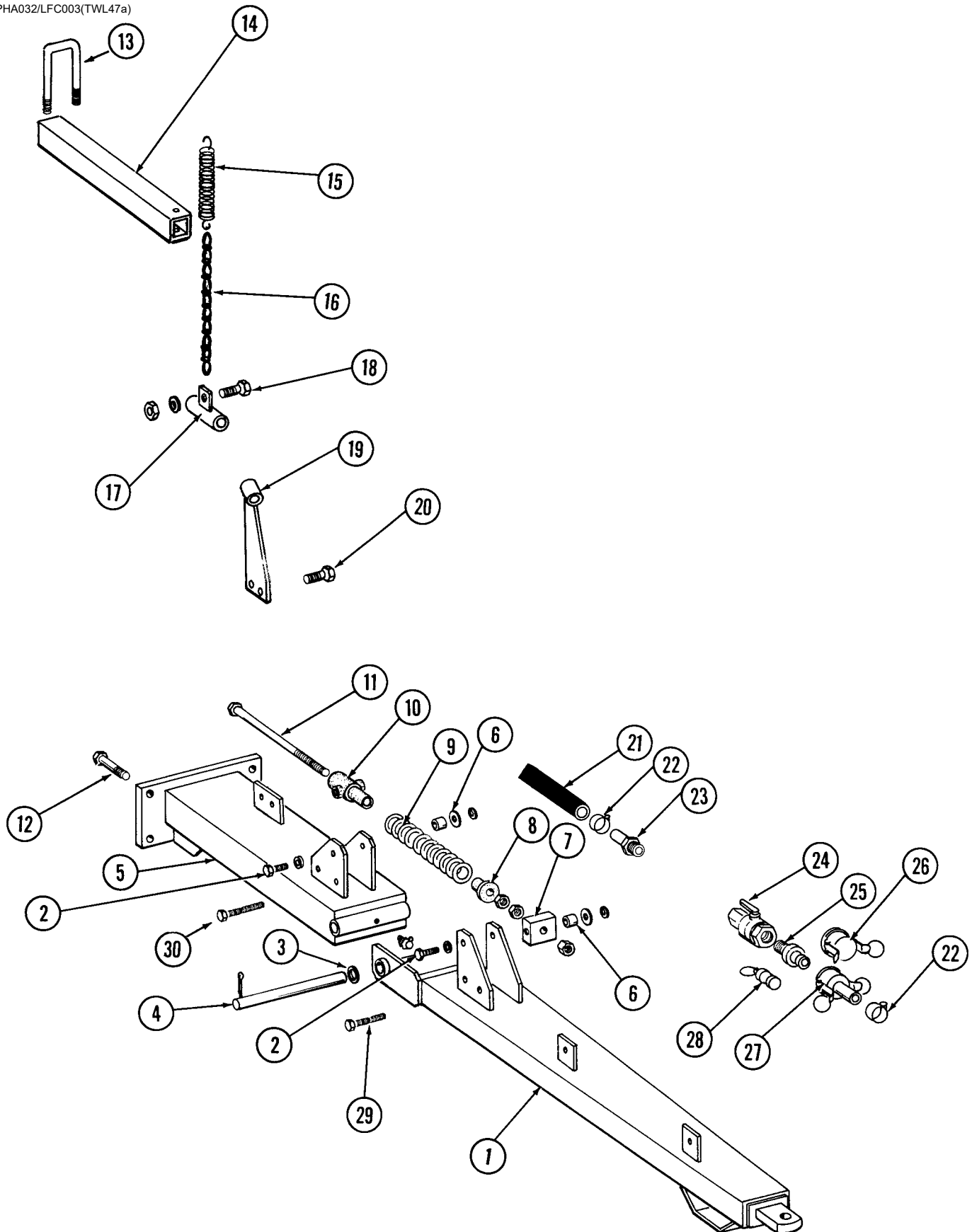
(IP1624)



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

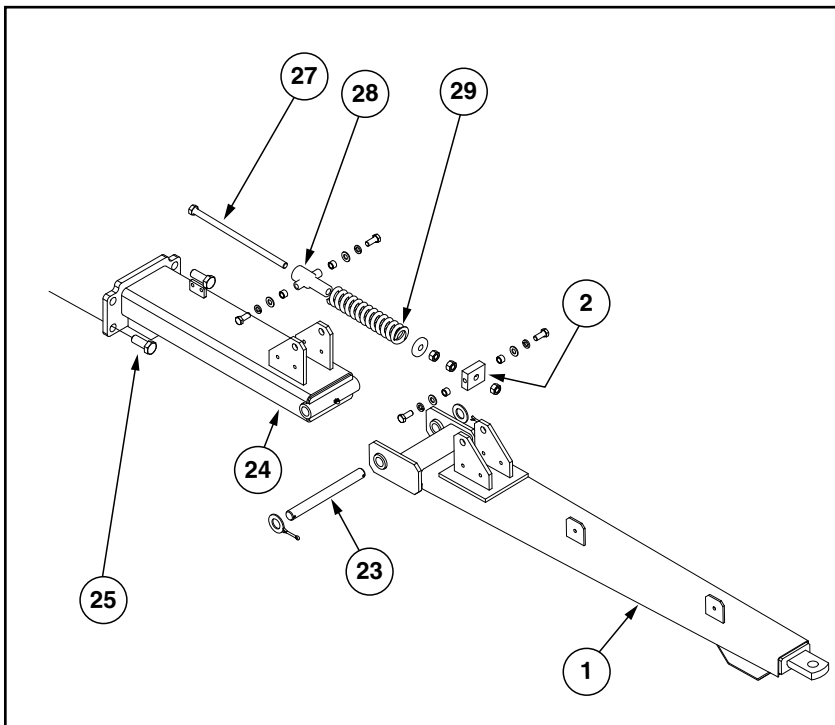
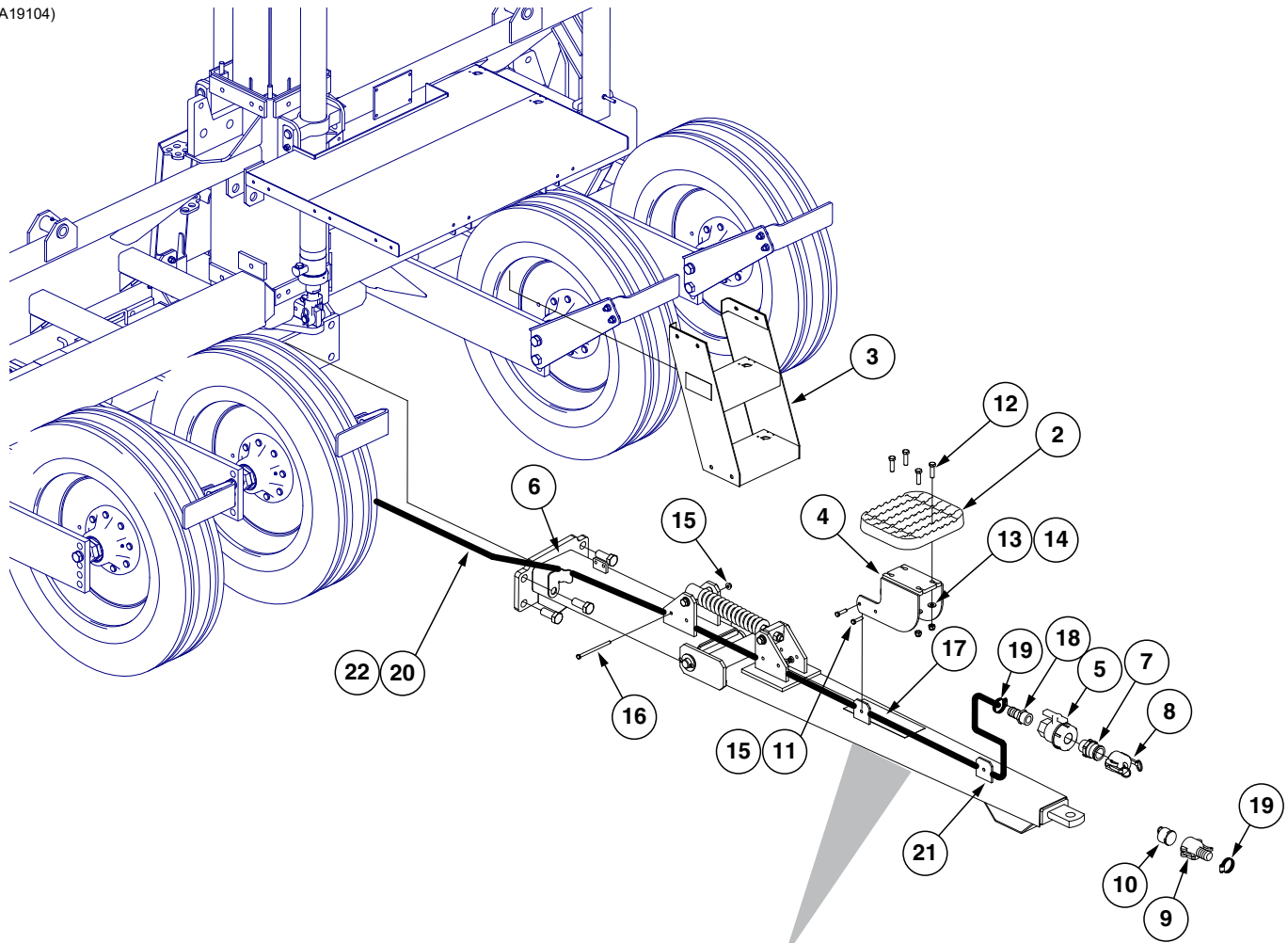
This page left blank intentionally.

PHA032/LFC003(TWL47a)

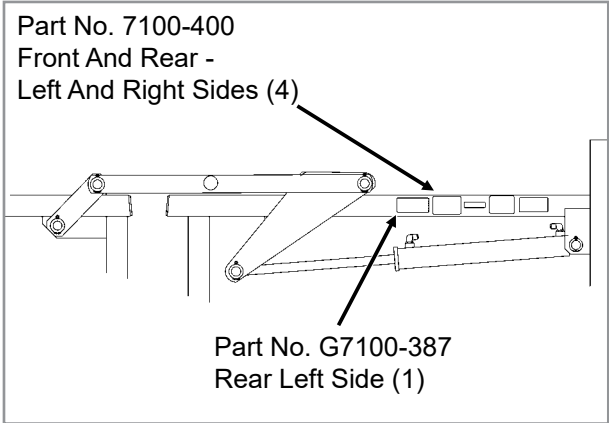
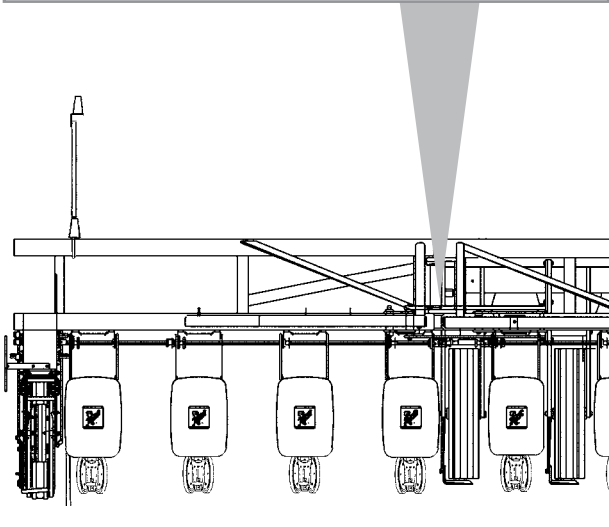
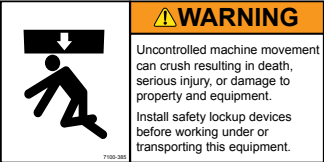


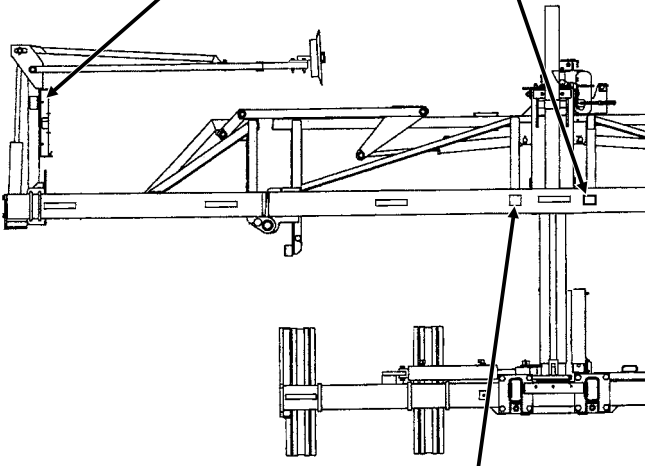
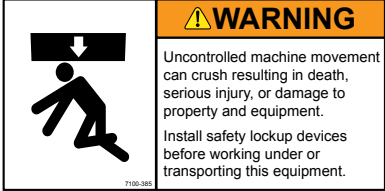
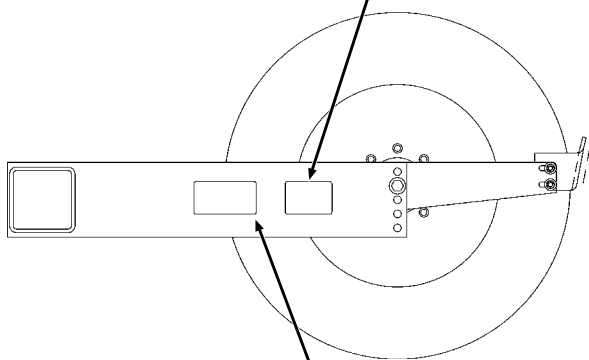
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA6961	1	Hitch
2	G10007	4	Hex Head Cap Screw, 5/8"-11 x 1 1/2"
	G11391	4	Flat Washer, 5/8" SAE
	G10230	4	Lock Washer, 5/8"
3	G11396	2	Flat Washer, 1 1/4" SAE
4	GD3547	1	Pin, 1 1/4" x 12 3/4"
	G10460	2	Cotter Pin, 1/4" x 2"
5	GA6960	1	Hitch
6	GB0218	4	Bushing, 2 1/32" I.D. x 7/8" O.D. x 1 9/32" Long
7	GD7908	1	Tap Block
8	GD34923	1	Spring Seat
9	GD2115	1	Spring
10	GB0206	1	Rod Guide
11	GD7907	1	Special Bolt
	G10105	3	Hex Nut, 3/4"-10
12	G10826	5	Hex Head Cap Screw, 1"-8 x 2 1/2"
	G10396	5	Lock Nut, 1"-8
13	GD2721	2	U-Bolt, 2" x 2" x 1/2"-13
	G10228	4	Lock Washer, 1/2"
	G10102	4	Hex Nut, 1/2"-13
14	GD10196	-	Hanger Tube
15	GD0829	-	Spring
16	G3305-03	-	Twin Loop Chain, 15 Links
17	GA7209	-	Hose Support
18	G10064	1	Hex Head Cap Screw, 1/4"-20 x 1"
	G11385	2	Flat Washer, 1/4" SAE
	G10110	1	Lock Nut, 1/4"-20, Grade B
19	GA7208	-	Hose Support
20	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G10108	2	Lock Nut, 3/8"-16
21	G4200-01	1	Hose, 1 1/4" x 22'
22	G10672	6	Hose Clamp, No. 28
23	G10626	1	Adapter, 1 1/4" NPT To Barb
24	GA4976	1	Shutoff Valve, 1 1/4" NPT
	GR1015	-	Body O-Ring (Included W/GA4976)
	GR1016	-	Stem O-Ring (Included W/GA4976)
	GR1017	-	Teflon Seat (Included W/GA4976)
	GR1018	-	Ball (Included W/GA4976)
	GR1019	-	Handle (Included W/GA4976)
25	GD1514	1	Adapter, 1 1/4" Male NPT To Cam Lock
26	GD1515	1	Dust Cap, 1 1/4" Cam Lock
27	GD1516	1	Adapter, 1 1/4" Barb To Female Cam Lock
28	GD1517	1	Dust Plug, 1 1/4" Male Cam Lock
29	G10172	1	Hex Head Cap Screw, 3/8"-16 x 5"
	G10229	1	Lock Washer, 3/8"
	G10101	1	Hex Nut, 3/8"-16
30	G10756	1	Hex Head Cap Screw, 3/8"-16 x 6"
	G10229	1	Lock Washer, 3/8"
	G10101	1	Hex Nut, 3/8"-16

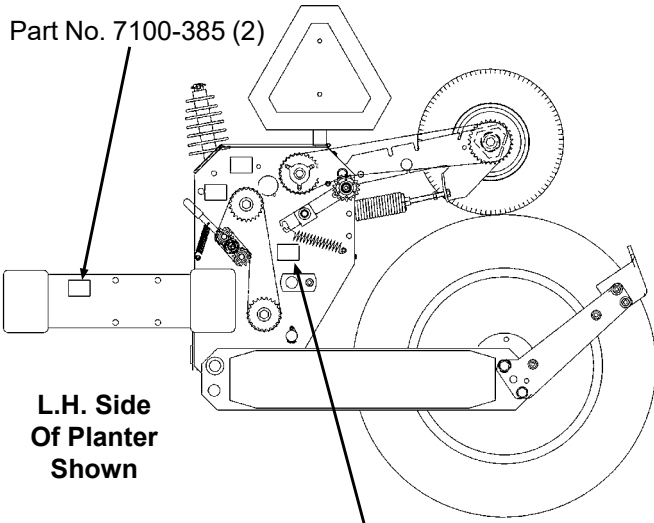
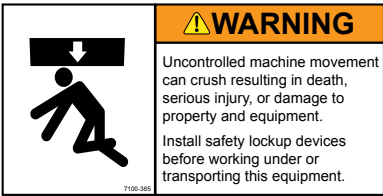
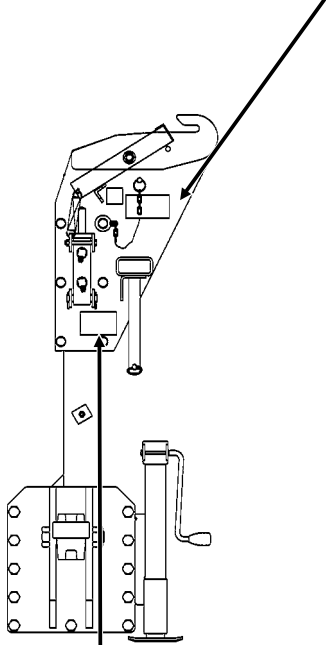
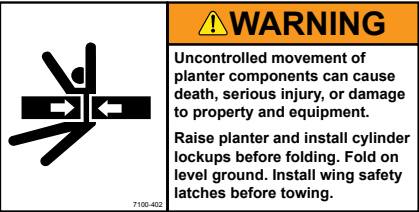
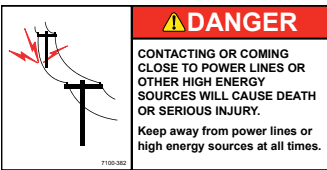
(A19104)

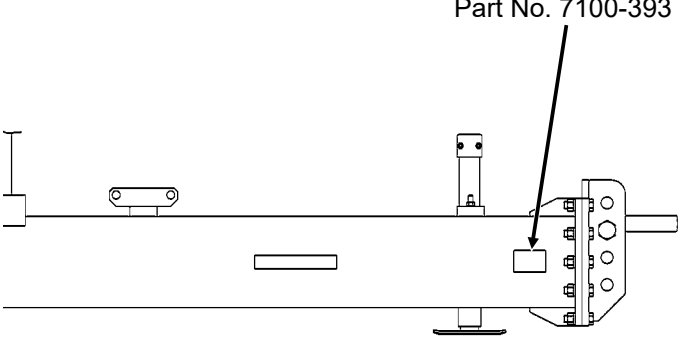
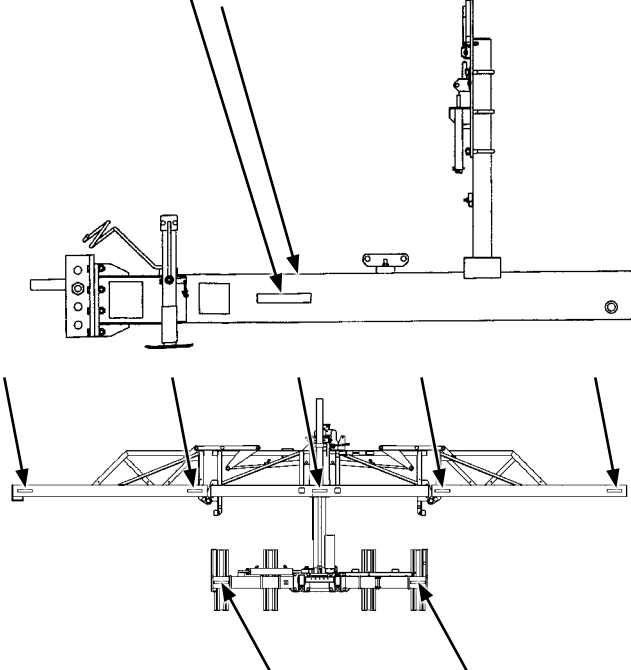


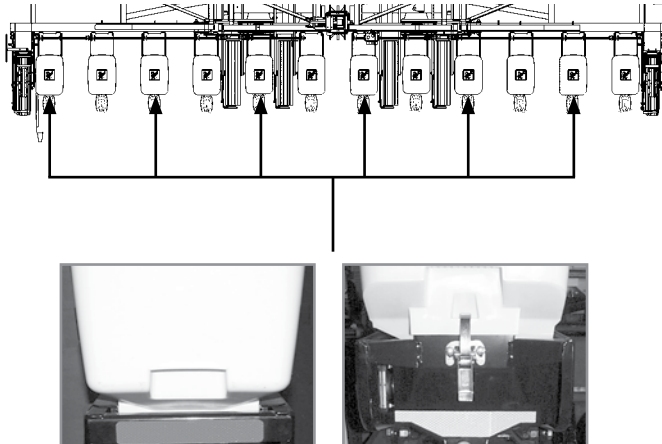
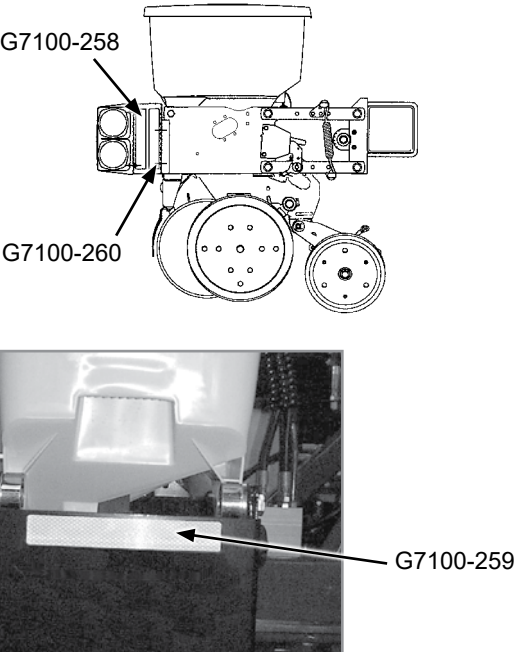
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA6961	1	Hitch
2	GB0315	1	Step
3	GA16145	1	Ladder
4	GA14520	1	Hitch Step
5	GA4976	1	Shutoff Valve, 1¼" NPT
	GR1015	-	Body O-Ring (Included W/GA4976)
	GR1016	-	Stem O-Ring (Included W/GA4976)
	GR1017	-	Teflon Seat (Included W/GA4976)
	GR1018	-	Ball (Included W/GA4976)
	GR1019	-	Handle (Included W/GA4976)
6	GD20757	1	Hose Routing Bracket
7	GD1514	1	Adapter, 1¼" Male NPT To Cam Lock
8	GD1515	1	Dust Cap, 1¼" Cam Lock
9	GD1516	1	Adapter, 1¼" Barb To Female Cam Lock
10	GD1517	1	Dust Plug, 1¼" Male Cam Lock
11	G10003	4	Hex Head Cap Screw, ⅜"-16 x 1½"
12	G10039	4	Hex Head Cap Screw, ½"-13 x 1¾"
13	G11389	4	Flat Washer, ½" SAE
14	G10111	4	Lock Nut, ½"-13
15	G11091	5	Serrated Flange Nut, ⅜"-16
16	G10756	1	Hex Head Cap Screw, ⅜"-16 x 6"
17	GD13706-02	1	Anti-Slip Tape, 4" x 12"
18	G10626	1	Adapter, 1¼" NPT To Barb
19	G10672	2	Hose Clamp, No. 28
20	G4200-01	1	Hose, 1¼" x 22'
21	GD2117	2	Cable Tie, 14½"
22	GD2984	2	Cable Tie, 34"
23	GD3547	1	Pin, 1¼" x 12¾"
	G11396	2	Flat Washer, 1¼"
	G10460	2	Cotter Pin, ¼" x 2"
24	GA6960	1	Hitch
25	G10826	5	Hex Head Cap Screw, 1"-8 x 2½"
	G10396	5	Lock Nut, 1"-8
26	GD7908	1	Tap Block
	G10007	2	Hex Head Cap Screw, ⅝"-11 x 1½"
	G10230	2	Lock Washer, ⅝"
	G11391	2	Flat Washer, ⅝" SAE
	GB0218	2	Bushing, 2½" I.D. x ⅞" O.D. x 1⅞" Long
27	GD7907	1	Special Bolt
28	GB0206	1	Rod Guide
	G10007	2	Hex Head Cap Screw, ⅝"-11 x 1½"
	G10230	2	Lock Washer, ⅝"
	G11391	2	Flat Washer, ⅝" SAE
	GB0218	2	Bushing, 2½" I.D. x ⅞" O.D. x 1⅞" Long
29	GD2115	1	Spring
	G10105	3	Hex Nut, ¾"-10
	GD34923	1	Spring Seat

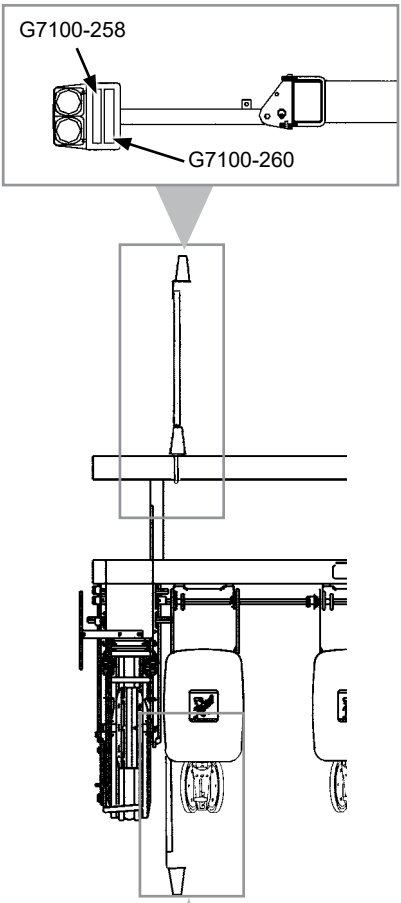
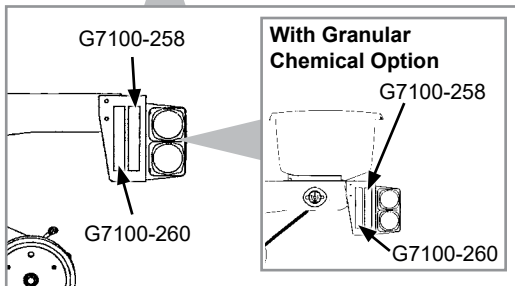
Part No. 7100-400 Front And Rear - Left And Right Sides (4)  Part No. G7100-387 Rear Left Side (1) 	 WARNING Transporting planter with hoppers over half full or unevenly loaded can cause loss of control and could result in death, serious injury, or damage to property and equipment. Properly load planter when transporting. Be aware of extra transport weight, and road conditions and limits. Part No.: G7100-400 Description: Decal, Warning Quantity: 4 (Front and Rear/Left and Right)  WARNING Uncontrolled machine movement can crush resulting in death, serious injury, or damage to property and equipment. Install safety lockup devices before working under or transporting this equipment. Part No.: G7100-385 Description: Decal, Warning Quantity: 1
--	--

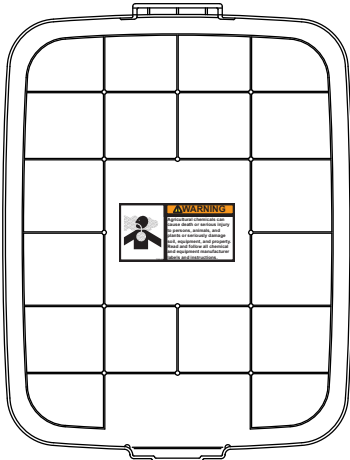
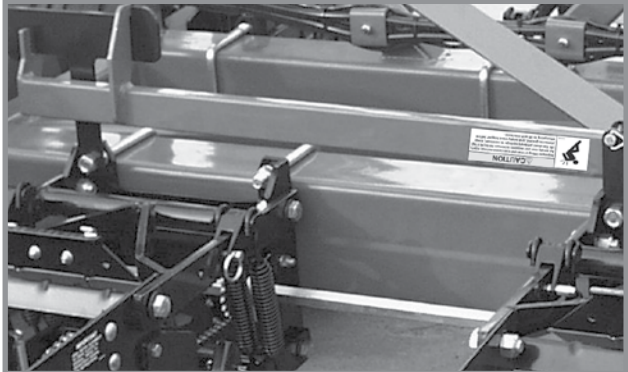
Part No. 7100-385 Front And Back On L.H. Side Of Planter Part No. 7100-397 On Each Side of Row Marker  Part No. 7100-385 Front And Back On R.H. Side Of Planter	
Part No. 7100-386 (1)  Part No. 7100-370 (2) Each side of outer stub axles.	
	Part No.: G7100-385 Description: Decal, Warning Quantity: 2 Front And Back On L.H. Side Of Planter (2)
	
	Part No.: G7100-397 Description: Decal, Danger Quantity: 2 On Each Side of Row Marker
	Part No.: G7100-386 Description: Decal, Warning Quantity: 1
	
	Part No.: G7100-370 Description: Decal, Warning Quantity: 2 On Each Side Of Outer Stub Axles

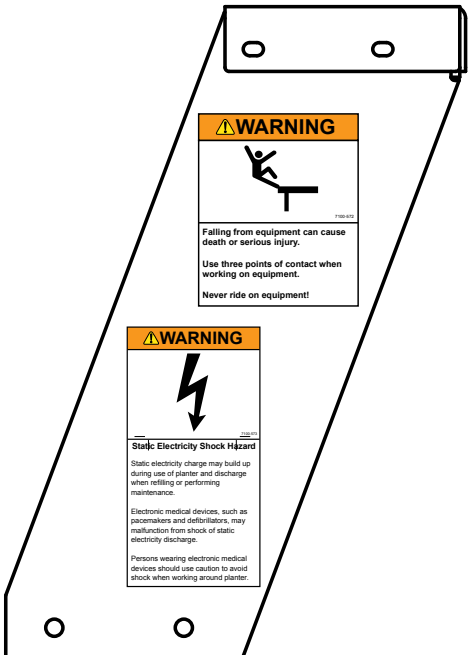
 Part No. 7100-385 (2) L.H. Side Of Planter Shown Part No. 7100-402 (2)	 Part No.: G7100-385 Description: Decal, Warning Quantity: 2
 Part No. 7100-382 Part No. 7100-384	 Part No.: G7100-402 Description: Decal, Warning Quantity: 2
	 Part No.: G7100-384 Description: Decal, Warning Quantity: 1
	 Part No.: G7100-382 Description: Decal, Danger Quantity: 1

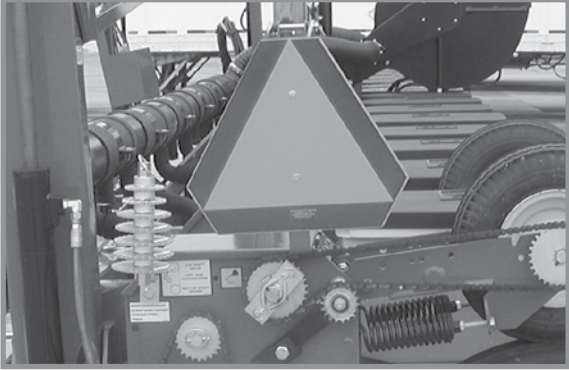
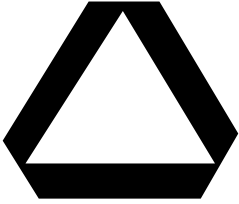
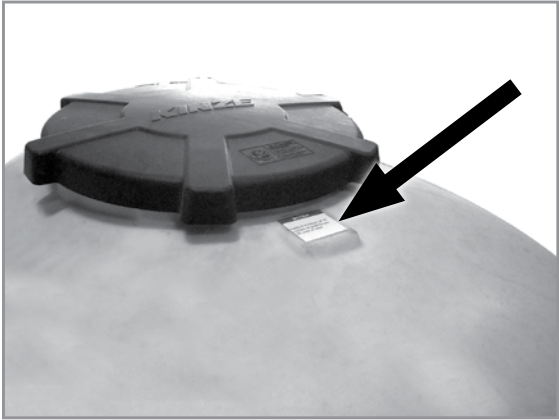
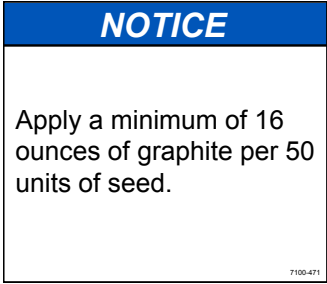
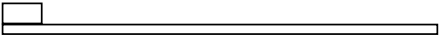
 Part No. 7100-393	 WARNING Loss of control can cause death or serious injury, or damage to property and equipment. Tow only with farm tractor weight rated and configured for this equipment. Use safety chains and transport as specified in the Operator and Parts Manual. Part No.: G7100-393 Description: Decal, Warning Quantity: 1
 CAUTION Fan can start at any time. Operating fan can blow debris and has a high noise level. Always wear eye and hearing protection when working around fan.	Part No.: G7100-392 Description: Decal, Caution Quantity: 2 (Located On Each Side Of Fan)
	Part No.: G7100-558 Description: Reflective Decal, Amber, 2" x 9", Rectangular Quantity: 2 (1 Located on Each Side of Hitch) 4 (Used on 12 Row); 5 (Used on 16 Row) (Located On The Front Side Of The Front Toolbar - Side-Facing In Transport Position) 2 (Forward-Facing)

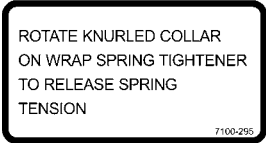
 Note: 6 used on 12 row; 8 used on 16 row	 Part No.: G7100-558 Description: Reflective Decal, Amber, 2" x 9", Rectangular Quantity: 2 (Per Row Unit - Located On The Granular Chemical Hopper Panel Extension Of Every Other Row Unit Beginning On The L.H. Side Of The Planter - Side-Facing In Transport Position) (With Optional Granular Chemical) Part No.: G7100-262 Description: Reflective Decal, Amber, 1¾" x 9", Die-Cut Quantity: 1 (Qty. 1 Per Row Unit - Located On The Hopper Support Of Every Other Row Unit Beginning On The L.H. Side Of The Planter - Side-Facing In Transport Position) (Standard)
	 Part No.: G7100-557 Description: Reflective Decal, Red, 2" x 9" Rectangular Quantity: 1 (Per Outer Scraper - Located On Top) Part No.: G7100-559 Description: Reflective Decal, Orange, 2" x 9" Rectangular Quantity: 1 (Per Outer Scraper - Located On Bottom)
With Even-Row Push Row Unit Option 	 Part No.: G7100-557 Description: Reflective Decal, Red, 2" x 9" Rectangular Quantity: 1 (Located On The Light Bracket On The L.H. Side Of The Planter - Rear-Facing In Transport Position) Part No.: G7100-559 Description: Reflective Decal, Orange, 2" x 9" Rectangular Quantity: 1 (Located On The Light Bracket On The L.H. Side Of The Planter - Rear-Facing In Transport Position) Part No.: G7100-558 Description: Reflective Decal, Amber, 2" x 9", Rectangular Quantity: 1 Used Located On The Front Of The Optional Even-Row Push Row Unit - Side-Facing In Transport Position)

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

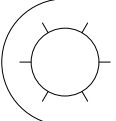
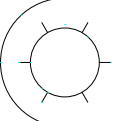
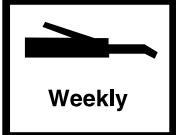
 With Interplant Package Option	 Part No.: G7100-558 Description: Reflective Decal, Amber, 2" x 9", Rectangular Quantity: 5 Used On 12 Row; 7 On 16 Row (Located On The Front Of Every Other Push Row Unit Beginning With The Center Row Unit And Every Other Row Unit To Both Ends - Side-Facing In Transport Position)
	 WARNING Agricultural chemicals can cause death or serious injury to persons, animals, and plants or seriously damage soil, equipment, and property. Read and follow all chemical and equipment manufacturer labels and instructions. Part No.: G7100-381 Description: Decal, Warning Quantity: 1 (1 Per Row Unit - Located On Underside Of Granular Chemical Hopper Lid)
	 CAUTION Improper lifting of row unit can cause serious injury. An empty row unit requires minimum 90 lb (40.8 kg) lift. Set down pressure springs to minimum, lower planter to ground, and empty seed hopper before attempting to lift with this lever. Part No.: G7100-389 Description: Decal, Caution Quantity: 1 (Located On Interplant Push Row Unit Lift Lever)

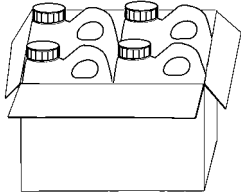
	 WARNING Uncontrolled machine movement can crush resulting in death, serious injury, or damage to property and equipment. Install safety lockup devices before working under or transporting this equipment. Part No.: G7100-385 Description: Decal, Warning Quantity: 1
NOTICE Maximum operating pressure 20" H₂O (5 kPa). Higher pressure can cause seed bridging.	Part No.: G7100-376 Description: Decal, Notice Bulk Fill Pressure Quantity: 2 (on each Bulk Fill Tank Lid)
	WARNING  Falling from equipment can cause death or serious injury. Use three points of contact when working on equipment. Never ride on equipment! Part No.: G7100-572 Description: Decal, Warning Quantity: 1 WARNING  Static Electricity Shock Hazard Static electricity charge may build up during use of planter and discharge when refilling or performing maintenance. Electronic medical devices, such as pacemakers and defibrillators, may malfunction from shock of static electricity discharge. Persons wearing electronic medical devices should use caution to avoid shock when working around planter. Part No.: G7100-573 Description: Decal, Static Shock Quantity: 2 (Located on each side of stair)

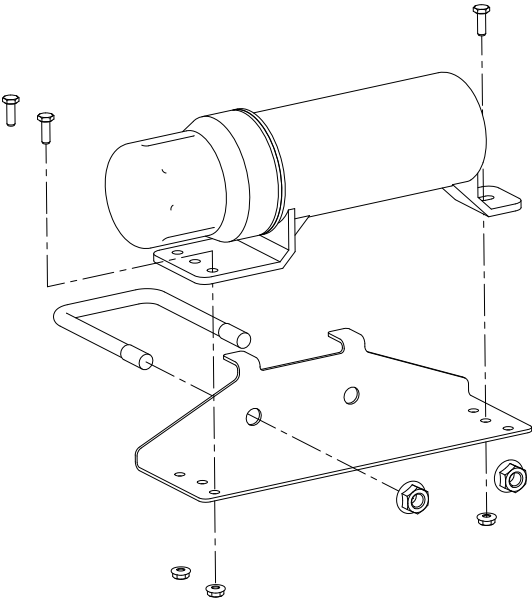
	 Part No.: GD2199 Description: SMV Sign Quantity: 1
	 Part No.: G7100-471 Description: Decal, Notice Quantity: 1
	Part No.: GD1512 Description: Tie Strap, 7½" Part No.: GD2117 Description: Tie Strap, 14½" Part No.: GD2984 Description: Tie Strap, 34"
	Part No.: G10235701 Description: Decal, Fan Free of Debris

	Part No.: GD10057-01 Description: Hose Identification Sleeve, Red AA Part No.: GD10057-02 Description: Hose Identification Sleeve, Red BB Part No.: GD10057-03 Description: Hose Identification Sleeve, Blue AA Part No.: GD10057-04 Description: Hose Identification Sleeve, Blue BB Part No.: GD10057-11 Description: Hose Identification Sleeve, Green PP Part No.: GD10057-12 Description: Hose Identification Sleeve, Green RR Part No.: GD10057-14 Description: Hose Identification Sleeve, Yellow PP Part No.: GD10057-15 Description: Hose Identification Sleeve, Yellow RR Part No.: GD10057-17 Description: Hose Identification Sleeve, Black PP Part No.: GD10057-18 Description: Hose Identification Sleeve, Black RR Part No.: GD10057-19 Description: Hose Identification Sleeve, Orange CD
	Part No.: G7100-295 Description: Decal, Spring Tension Release Quantity: -
	Part No.: G7100-511 Description: Decal, Sending Unit Quantity: 1
	Part No.: G7100-387 Description: Decal, Warning Quantity: 1

TRANSMISSION RATE REDUCTION <table><thead><tr><th>DRIVE</th><th>DRIVEN</th><th>% REDUCTION POPULATION</th></tr></thead><tbody><tr><td>15</td><td>30</td><td>50</td></tr><tr><td>17</td><td>30</td><td>43</td></tr><tr><td>23*</td><td>30</td><td>23</td></tr><tr><td>24</td><td>30</td><td>20</td></tr><tr><td>25*</td><td>30</td><td>17</td></tr><tr><td>26*</td><td>30</td><td>13</td></tr><tr><td>27</td><td>30</td><td>10</td></tr></tbody></table> * Use sprockets off seed drive transmission 7100-214	DRIVE	DRIVEN	% REDUCTION POPULATION	15	30	50	17	30	43	23*	30	23	24	30	20	25*	30	17	26*	30	13	27	30	10	Part No.: G7100-214 Description: Decal, Two-Speed Point Row Clutch Rate Reduction
DRIVE	DRIVEN	% REDUCTION POPULATION																							
15	30	50																							
17	30	43																							
23*	30	23																							
24	30	20																							
25*	30	17																							
26*	30	13																							
27	30	10																							
VACUUM 7100-509	Part No.: G7100-509 Description: Decal, Vacuum																								
BULK FILL 7100-508	Part No.: G7100-508 Description: Decal, Bulk Fill																								
ROTATION 7100-504	Part No.: G7100-504 Description: Decal, Point Row Clutch Rotation																								
TORQUE 5/8" SPINDLE BOLTS TO 120 FT/LBS. CHECK PERIODICALLY AND RE-TORQUE AS NEEDED. 7100-234	Part No.: G7100-234 Description: Decal, Bolt Torque Quantity: -																								
TOP SHAFT DRIVE RIGHT SIDE TRANSMISSION BOTTOM SHAFT DRIVEN 7100-92	Part No.: G7100-92 Description: Decal, Right Side Transmission Quantity: 1																								
TOP SHAFT DRIVE LEFT SIDE TRANSMISSION BOTTOM SHAFT DRIVEN 7100-49	Part No.: G7100-49 Description: Decal, Left Side Transmission Quantity: 1																								
USE 1 TABLESPOON POWDERED GRAPHITE WITH EACH HOPPER FILL OF SEED. SEED TREATMENT, FOREIGN MATERIAL, DIRT, OR SEED CHAFF MAY CAUSE GRADUAL REDUCTION OF SEED POPULATION. REFER TO MANUAL FOR MAINTENANCE AND CARE. 7100-153	Part No.: G7100-153 Description: Decal, Information Quantity: 1 Per Brush-Type Seed Meter																								
MARKER SPEED CONTROL ↑ LOWER SEE MANUAL FOR PROPER ADJUSTMENT ↑ RAISE 7100-201	Part No.: G7100-201 Description: Decal, Information																								

 NOTICE -FAN MOTOR CASE DRAIN- ALWAYS CONNECT THE FAN MOTOR CASE DRAIN HOSE TO THE TRACTOR ZERO PRESSURE RETURN. DO NOT CONNECT TO THE TRACTOR SCV OR MOTOR RETURN PORTS AS FAN HYDRAULIC MOTOR FAILURE WILL OCCUR. 7100-329	Part No.: G7100-329 Description: Tag, Fan Motor Case Drain
 NOTICE -HYD MOTOR RETURN LINE- ALWAYS CONNECT HYD MOTOR RETURN HOSE TO TRACTOR MOTOR RETURN PORT. DO NOT CONNECT TO THE TRACTOR SCV UNLESS THROUGH A MOTOR SPOOL. HYDRAULIC MOTOR FAILURE CAN OCCUR. 7100-375	Part No.: G7100-375 Description: Tag, Hydraulic Motor Return Line
 7100-352	Part No.: G7100-352 Description: Decal, Tank Drain
 7100-111	Part No.: G7100-111 Description: Decal, Oil Daily
 7100-116	Part No.: G7100-116 Description: Decal, Grease Daily
 Weekly	Part No.: G7100-110 Description: Decal, Grease Weekly
	Part No.: GR2127MPP Description: Blue Paint, Twelve Aerosol Cans
	Part No.: GR0146MPP Description: Powdered Graphite, Twenty-Four 1 Pound Containers Part No.: GR2335 Description: Powdered Graphite, 40 Pound Container
	Part No.: GR1570MPP Description: Talc Lubricant, Four 8 Pound Containers Part No.: GR2334 Description: Talc Lubricant, 40 Pound Container

	Part No.: GR1842MPP Description: Graphite Lubricant, Four 5 Pound Containers
Not Available	Part No.: GR2217 Description: Fluency Agent Seed Flow Additive, Four 4.4 Pound Pails
	Part No.: GR2240MPP Description: Talc/Graphite Blend (80 Talc/20 Graphite), Four 8 Pound Containers
	Part No.: GR2241MPP Description: Dispensing Cap, 10/Package
	Part No.: G10068001 Description: Decal, Kinze 3605 (2021 - 2023 Production) Quantity: 2 (1 On Each Side of Hitch)
	Part No.: G10769201 Description: Decal, Kinze 3605 (2024 Production and On) Quantity: 2 (1 On Each Side of Hitch)
	Part No.: GM0303-01 Description: Operator Manual, Model 3605 Part No.: GM0303-02 Description: Parts Manual, Model 3605 Part No.: GPR1094 Description: Binder (Contact Kinze Parts To Order)

	Part No.: GA15422 Description: Operator's Manual Canister Quantity: 1
	Part No.: GD22686 Description: Manual Canister Bracket Quantity: 1
	Part No.: GD16642 Description: U-Bolt, 3" x 4" x 1/2"-13 Quantity: 1
	Part No.: G10071 Description: Serrated Flange Nut, 1/2"-13 Quantity: 2
	Part No.: G11166 Description: Hex Socket Flange Cap Screw, 1/4"-20 x 3/4" Quantity: 3
	Part No.: G11320 Description: Lock Nut, 1/4"-20, Grade B Quantity: 3
	Part No.: G7100-484 Description: Decal, American Flag

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
**R2367	P198	*A12080	P60	*A13805	P83	*A18693-268	P68
*A1018	P160	*A12080	P166	*A13805	P84	*A18693-268	P78
*A1021	P78	*A12080	P168	*A13807	P83	*A18693-268	P80
*A1021	P80	*A12085	P78	*A13807	P84	*A18693-268	P156
*A1021	P162	*A12085	P80	*A13808	P83	*A18693-268	P162
*A1033	P160	*A12085	P162	*A13808	P84	*A18695-334	P166
*A1034	P160	*A12090	P158	*A13809	P84	*A18695-400	P168
*A1041	P156	*A12090	P160	*A13810	P84	*A18699-66	P107
*A1055	P158	*A12091	P68	*A13817	P84	*A21530-160	P166
*A1055	P160	*A12092	P68	*A13824	P83	*A21530-160	P168
*A1057	P160	*A12094	P68	*A13824	P84	*A21533-30	P80
*A1076	P158	*A12094	P78	*A13826	P84	*A21533-36	P108
*A1076	P160	*A12094	P78	*A1404	P158	*A21535-83	P80
*A10918	P168	*A12094	P80	*A1404	P160	*A21541-28	P68
*A1097	P160	*A12094	P80	*A1408	P166	*A21541-28	P80
*A1105	P108	*A12094	P108	*A1408	P168	*A21548-206	P68
*A1116	P156	*A12094	P164	*A1424	P158	*A21548-206	P78
*A1129	P156	*A12095	P80	*A1424	P160	*A21548-206	P80
*A1139	P156	*A12096	P78	*A1464	P78	*A21548-206	P162
*A11442	P68	*A12096	P80	*A1464	P78	*A21548-266	P68
*A11442	P78	*A12096	P108	*A1464	P80	*A21548-266	P78
*A11442	P80	*A12096	P164	*A1464	P80	*A21548-266	P80
*A11442	P156	*A12745	P68	*A1464	P108	*A21548-266	P162
*A11442	P162	*A12745	P80	*A1464	P156	*A21550-334	P166
*A11443	P68	*A12751	P68	*A1464	P162	*A21550-400	P168
*A11443	P78	*A12751	P78	*A1464	P166	*A21554-144	P107
*A11443	P78	*A12751	P80	*A1464	P168	*A21554-144	P164
*A11443	P80	*A12751	P156	*A1478	P156	*A21554-84	P107
*A11443	P80	*A12751	P162	*A15023	P78	*A21554-84	P164
*A11443	P156	*A12752	P78	*A15023	P80	*A24016	P178
*A11443	P162	*A12752	P80	*A15081-36	P58	*A24016	P180
*A11447	P78	*A12752	P162	*A15081-36	P60	*A24473	P169
*A11448	P156	*A12754	P156	*A15081-36	P166	*A24473	P176
*A11449	P156	*A12755	P78	*A15081-36	P168	*A25400-246	P158
*A11450	P156	*A12756	P156	*A15092-146	P107	*A25400-296	P158
*A11458	P78	*A12757	P108	*A15092-146	P164	*A25503	P166
*A11458	P80	*A12758	P108	*A15092-86	P107	*A25503	P168
*A1171	P156	*A12774	P78	*A15092-86	P164	*A25504-30	P166
*A11810-64	P107	*A12774	P80	*A18667-160	P166	*A25504-30	P168
*A11810-72	P72	*A12928	P108	*A18667-160	P168	*A25690-48	P58
*A12002	P68	*A12929	P108	*A18671-30	P166	*A25690-48	P60
*A12002	P80	*A12937-24	P74	*A18671-30	P168	*A25690-48	P166
*A12038	P58	*A13800	P84	*A18671-30	P198	*A25690-48	P168
*A12038	P60	*A13801	P83	*A18679-83	P80	*A25706-142	P107
*A12038	P166	*A13801	P83	*A18683-37	P166	*A25706-142	P164
*A12038	P168	*A13801	P84	*A18683-37	P168	*A25706-82	P107
*A12041	P160	*A13802	P83	*A18688-38	P80	*A25706-82	P164
*A12042	P158	*A13802	P84	*A18693-206	P68	*A25707-72	P72
*A12076	P78	*A13803	P83	*A18693-206	P78	*A25857	P166
*A12076	P80	*A13803	P84	*A18693-206	P80	*A25857	P168
*A12076	P162	*A13804	P83	*A18693-206	P162	*A26936-209	P156
*A12080	P58	*A13804	P84	*A18693-209	P156	*A26936-269	P156

Numerical Index

M0303-02

Model 3605

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
*A26938-206	P78	*A7682-35	P58	*D12252.	P172	6400-08	P186
*A26938-206	P80	*A7682-35	P60	*D12253.	P180	6400-08	P186
*A26938-266	P78	*A7682-35	P166	*D12254.	P174	6400-08	P187
*A26938-266	P80	*A7682-35	P168	*D12255.	P171	6400-08	P190
*A3117.	P78	*A8266.	P156	*D12255.	P174	6400-08	P199
*A3117.	P80	*A8267.	P158	*D12257.	P172	6403-NWO-08	P186
*A3117.	P158	*A8267.	P160	*D12257.	P174	6403-NWO-08	P186
*A3117.	P162	*D12012.	P169	*D29649.	P171	6410-16-08	P74
*A3118.	P156	*D12040.	P170	*D29649.	P172	6410-20-16	P74
*A3122.	P160	*D12047.	P178	*D29649.	P174	700-01078	P26
*A3131.	P158	*D12047.	P180	*D30262.	P169	700-01339	P28
*A3131.	P160	*D12072.	P170	*D30399.	P176	A12529	P109
*A3158.	P78	*D12092.	P171	*D36495-36	P69	A13937	P180
*A3158.	P80	*D12093.	P171	*D36495-36	P70	A13953	P180
*A3158.	P158	*D12108.	P172	*D36495-40	P69	A14136	P96
*A3158.	P162	*D12108.	P174	*D36495-40	P70	A14275	P174
*A3371.	P108	*D12110.	P172	*D36495-42	P69	A14278	P171
*A6201.	P108	*D12110.	P174	*D36495-42	P70	A14307	P113
*A7607.	P108	*D12200.	P180	*D36495-46	P69	A14309	P113
*A7677-20	P166	*D12202.	P178	*D36495-46	P70	A14310	P109
*A7677-20	P168	*D12202.	P180	*D36495-50	P69	A14480	P178
*A7678-13	P166	*D12203.	P178	*D36495-50	P70	A14631	P169
*A7678-13	P168	*D12203.	P180	*D36495-55	P69	A1464	P68
*A7678-19	P58	*D12204.	P180	*D36495-55	P70	A14935	P122
*A7678-19	P60	*D12206.	P170	*D36495-70	P69	A14936	P122
*A7678-19	P166	*D12206.	P172	*D36495-70	P70	A14937	P122
*A7678-19	P168	*D12210.	P169	*D6279-07	P74	A14938	P122
*A7678-20	P58	*D12210.	P176	*R2281.	P181	A17087	P113
*A7678-20	P60	*D12210.	P178	*R2283.	P181	A3158	P160
*A7678-20	P168	*D12212.	P169	*R2300.	P181	A7088	P109
*A7680-11	P58	*D12212.	P176	*R2301.	P181	A7220	P170
*A7680-11	P166	*D12213.	P169	*R2302.	P181	A8822	P176
*A7680-14	P58	*D12213.	P176	*R2303.	P181	D13169	P177
*A7680-14	P60	*D12218.	P174	*R2304.	P181	D13426	P177
*A7680-14	P166	*D12221.	P170	*R2305.	P181	D17154	P148
*A7680-14	P168	*D12222.	P170	*R2307.	P181	G10001	P16
*A7680-20	P166	*D12223.	P170	*R2308.	P181	G10001	P47
*A7680-35	P58	*D12224.	P170	*R2309.	P181	G10001	P72
*A7680-35	P60	*D12226.	P178	†R2365	P198	G10001	P74
*A7680-35	P166	*D12227.	P172	†R2366	P198	G10001	P76
*A7680-35	P168	*D12227.	P174	‡D6279-03.	P198	G10001	P94
*A7680-42	P60	*D12228.	P172	2501-16-20	P108	G10001	P102
*A7680-9	P60	*D12228.	P174	2503-20	P74	G10001	P104
*A7680-9	P168	*D12240.	P171	2701-08	P150	G10001	P104
*A7681-28	P58	*D12240.	P174	6400-04	P58	G10001	P106
*A7681-28	P60	*D12246.	P171	6400-04	P60	G10001	P106
*A7681-28	P166	*D12247.	P171	6400-04	P201	G10001	P106
*A7681-28	P168	*D12248.	P171	6400-08	P122	G10001	P106
*A7681-35	P166	*D12251.	P169	6400-08	P158	G10001	P106
*A7681-35	P168	*D12251.	P176	6400-08	P160	G10001	P106
*A7682-11	P166	*D12251.	P178	6400-08	P182	G10001	P108
*A7682-11	P168	*D12252.	P170	6400-08	P184	G10001	P120

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G10001	P122	G10007	P262	G10019	P62	G10038601	P50
G10001	P184	G10007	P264	G10019	P148	G10039	P6
G10001	P231	G10007	P264	G10019	P148	G10039	P150
G10002	P12	G10008	P88	G10019	P154	G10039	P232
G10002	P33	G10010	P14	G10019	P210	G10039	P264
G10002	P96	G10010	P38	G10019	P250	G10041	P40
G10002	P120	G10010	P40	G10020	P26	G10041	P203
G10002	P186	G10010	P236	G10020501	P131	G10044	P118
G10002	P190	G10011	P151	G10021	P26	G10045	P150
G10002	P198	G10011	P234	G10021	P58	G10045	P154
G10002	P234	G10011101	P8	G10021	P60	G10046	P234
G10002701	P98	G10011201	P8	G10021	P120	G10047	P4
G10003	P4	G10011301	P46	G10021	P148	G10047	P104
G10003	P46	G10011401	P46	G10022	P26	G10047	P111
G10003	P130	G10012	P250	G10023	P33	G10047	P114
G10003	P250	G10012101	P129	G10023	P72	G10047	P140
G10003	P256	G10012201	P129	G10023	P74	G10047	P226
G10003	P264	G10012301	P129	G10023	P98	G10047	P234
G10004	P8	G10013	P16	G10023	P108	G10047	P237
G10004	P38	G10013	P250	G10023	P144	G10047	P238
G10004	P40	G10013101	P129	G10023	P148	G10048	P10
G10004	P54	G10014	P4	G10025	P62	G10048	P56
G10004	P62	G10014	P14	G10025	P62	G10048201	P108
G10004	P66	G10014	P102	G10025	P76	G10049	P56
G10004	P74	G10014	P110	G10025	P76	G10049	P106
G10004	P82	G10014	P113	G10026	P110	G10049	P126
G10004	P94	G10016	P53	G10026	P118	G10049	P232
G10004	P100	G10016	P110	G10026	P134	G10049	P238
G10004	P106	G10016	P110	G10026	P250	G10049501	P72
G10004	P116	G10016	P232	G10027	P94	G10049501	P214
G10004	P116	G10017	P42	G10027	P126	G10049501	P229
G10004	P126	G10017	P52	G10028	P109	G10057501	P94
G10004	P137	G10017	P58	G10028	P128	G10060	P62
G10004	P140	G10017	P60	G10028601	P14	G10060	P126
G10004	P150	G10017	P113	G10028701	P14	G10061	P4
G10004	P150	G10017	P120	G10028801	P14	G10061	P20
G10004	P232	G10017	P120	G10033	P122	G10064	P16
G10004	P244	G10017	P122	G10033	P150	G10064	P102
G10004	P246	G10017	P136	G10034	P112	G10064	P104
G10004	P246	G10017	P137	G10036	P35	G10064	P122
G10004	P247	G10017	P152	G10036	P120	G10064	P131
G10004	P262	G10017	P234	G10036	P136	G10064	P136
G10005	P12	G10017	P238	G10036	P150	G10064	P137
G10005	P112	G10017	P240	G10037	P6	G10064	P262
G10005	P249	G10017	P250	G10037	P42	G10064	P17
G10006	P110	G10017201	P90	G10037	P52	G10064	P17
G10006	P150	G10017201	P92	G10037	P58	G10068	P126
G10007	P111	G10017301	P90	G10037	P60	G10068001	P277
G10007	P112	G10017301	P92	G10037	P118	G10071	P4
G10007	P231	G10018	P58	G10037	P237	G10071	P6
G10007	P244	G10018	P60	G10038	P142	G10071	P42
G10007	P250	G10018801	P12	G10038601	P4	G10071	P58

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G10071	P60	G10101	P262	G10104	P252	G10108	P72
G10071	P62	G10102	P52	G10104	P254	G10108	P74
G10071	P72	G10102	P53	G10105	P109	G10108	P82
G10071	P88	G10102	P72	G10105	P118	G10108	P90
G10071	P102	G10102	P106	G10105	P128	G10108	P94
G10071	P106	G10102	P108	G10105	P231	G10108	P94
G10071	P110	G10102	P118	G10105	P244	G10108	P94
G10071	P110	G10102	P120	G10105	P250	G10108	P98
G10071	P114	G10102	P120	G10105	P262	G10108	P104
G10071	P126	G10102	P148	G10105	P264	G10108	P106
G10071	P128	G10102	P150	G10106	P120	G10108	P108
G10071	P128	G10102	P150	G10106	P137	G10108	P110
G10071	P134	G10102	P154	G10106	P148	G10108	P110
G10071	P152	G10102	P154	G10106	P148	G10108	P110
G10071	P152	G10102	P182	G10106	P240	G10108	P111
G10071	P190	G10102	P234	G10106	P240	G10108	P113
G10071	P278	G10102	P238	G10106	P240	G10108	P114
G10083301	P62	G10102	P240	G10106	P240	G10108	P116
G10087001	P74	G10102	P250	G10106	P240	G10108	P126
G10090401	P12	G10102	P262	G10107	P16	G10108	P129
G10090801	P114	G10103	P114	G10107	P35	G10108	P136
G10090901	P113	G10103	P120	G10107	P110	G10108	P150
G10091001	P113	G10103	P144	G10107	P111	G10108	P150
G10091101	P114	G10103	P144	G10107	P116	G10108	P174
G10091201	P114	G10103	P148	G10107	P118	G10108	P184
G10091301	P113	G10104	P8	G10107	P126	G10108	P215
G10091901	P126	G10104	P46	G10107	P136	G10108	P226
G10091901	P128	G10104	P47	G10107	P137	G10108	P231
G10096	P244	G10104	P47	G10107	P142	G10108	P232
G10096001	P130	G10104	P54	G10107	P150	G10108	P234
G10096201	P130	G10104	P88	G10107	P150	G10108	P234
G10098201	P74	G10104	P106	G10107	P150	G10108	P238
G10098301	P72	G10104	P110	G10107	P152	G10108	P246
G10098401	P72	G10104	P118	G10107	P226	G10108	P256
G10100	P232	G10104	P122	G10107	P226	G10108	P262
G10100901	P62	G10104	P122	G10107	P234	G10109	P10
G10101	P16	G10104	P136	G10107	P249	G10109	P16
G10101	P54	G10104	P226	G10107	P250	G10109	P20
G10101	P56	G10104	P227	G10107501	P130	G10109	P38
G10101	P114	G10104	P232	G10108	P4	G10109	P40
G10101	P120	G10104	P234	G10108	P4	G10109	P53
G10101	P122	G10104	P234	G10108	P20	G10109	P56
G10101	P126	G10104	P234	G10108	P21	G10109	P100
G10101	P128	G10104	P238	G10108	P22	G10109	P102
G10101	P140	G10104	P240	G10108	P32	G10109	P104
G10101	P144	G10104	P244	G10108	P46	G10109	P154
G10101	P182	G10104	P244	G10108	P47	G10109	P203
G10101	P208	G10104	P246	G10108	P56	G10109101	P94
G10101	P232	G10104	P246	G10108	P62	G10110	P17
G10101	P250	G10104	P249	G10108	P62	G10110	P32
G10101	P256	G10104	P250	G10108	P62	G10110	P72
G10101	P262	G10104	P250	G10108	P66	G10110	P102

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G10110	P104	G10132501	P94	G10209	P129	G10229	P122
G10110	P108	G10133	P16	G10209	P131	G10229	P140
G10110	P120	G10133	P38	G10210	P111	G10229	P140
G10110	P122	G10133	P120	G10211501	P74	G10229	P144
G10110	P154	G10133	P186	G10216	P14	G10229	P180
G10110	P198	G10133	P211	G10216901	P72	G10229	P182
G10110	P226	G10133	P240	G10217	P226	G10229	P184
G10110	P227	G10142601	P226	G10217	P234	G10229	P190
G10110	P262	G10156	P76	G10217801	P164	G10229	P208
G10111	P6	G10157	P109	G10220	P231	G10229	P232
G10111	P16	G10157	P111	G10223501	P62	G10229	P232
G10111	P35	G10157	P112	G10223701	P62	G10229	P237
G10111	P109	G10159	P117	G10224001	P62	G10229	P238
G10111	P110	G10159	P118	G10224201	P62	G10229	P250
G10111	P114	G10159	P118	G10225101	P63	G10229	P256
G10111	P116	G10159	P118	G10225X	P107	G10229	P262
G10111	P122	G10159	P122	G10227	P108	G10229	P262
G10111	P122	G10159	P150	G10227	P144	G10229401	P215
G10111	P126	G10159	P151	G10227	P144	G10230	P8
G10111	P129	G10162	P76	G10227	P144	G10230	P14
G10111	P136	G10168	P142	G10227	P148	G10230	P16
G10111	P139	G10168	P150	G10227	P238	G10230	P46
G10111	P142	G10168	P154	G10228	P6	G10230	P47
G10111	P142	G10168	P154	G10228	P14	G10230	P47
G10111	P150	G10169	P109	G10228	P42	G10230	P54
G10111	P150	G10169	P112	G10228	P52	G10230	P106
G10111	P152	G10171	P94	G10228	P52	G10230	P110
G10111	P198	G10171	P240	G10228	P53	G10230	P112
G10111	P232	G10171	P240	G10228	P58	G10230	P122
G10111	P232	G10171	P240	G10228	P60	G10230	P122
G10111	P232	G10172	P116	G10228	P72	G10230	P227
G10111	P234	G10172	P182	G10228	P106	G10230	P232
G10111	P234	G10172	P184	G10228	P108	G10230	P232
G10111	P237	G10172	P262	G10228	P110	G10230	P234
G10111	P238	G10180301	P104	G10228	P118	G10230	P234
G10111	P264	G10188701	P62	G10228	P120	G10230	P234
G10112	P110	G10188801	P62	G10228	P148	G10230	P238
G10112	P118	G10190401	P62	G10228	P150	G10230	P240
G10117601	P62	G10192101	P214	G10228	P150	G10230	P244
G10117701	P62	G10194501	P74	G10228	P154	G10230	P244
G10117801	P63	G10201	P21	G10228	P154	G10230	P246
G10118	P112	G10201	P22	G10228	P154	G10230	P246
G10122301	P4	G10201	P32	G10228	P182	G10230	P249
G10122301	P50	G10201	P56	G10228	P238	G10230	P250
G10124501	P114	G10201	P94	G10228	P240	G10230	P250
G10126101	P94	G10201	P240	G10228	P250	G10230	P252
G10128	P120	G10201	P240	G10228	P262	G10230	P254
G10128	P137	G10203601	P130	G10229	P16	G10230	P262
G10129501	P94	G10207	P4	G10229	P33	G10230	P264
G10130	P140	G10207	P50	G10229	P38	G10230	P264
G10131	P113	G10207201	P74	G10229	P40	G10231	P134
G10131	P139	G10209	P74	G10229	P54	G10231	P244

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G10231	P250	G10292	P252	G10336	P118	G10451	P46
G10231	P250	G10301201	P90	G10338	P10	G10453	P137
G10232	P120	G10301301	P90	G10338	P20	G10455	P139
G10232	P137	G10301401	P92	G10338	P56	G10455	P237
G10232	P148	G10302501	P94	G10338	P100	G10457	P110
G10232	P148	G10303	P53	G10338	P102	G10459	P232
G10232	P186	G10303	P137	G10338	P104	G10460	P113
G10232	P186	G10303	P140	G10341	P47	G10460	P117
G10232	P191	G10303	P240	G10341001	P66	G10460	P118
G10232	P234	G10303	P240	G10341401	P66	G10460	P118
G10232	P240	G10306	P94	G10341601	P66	G10460	P118
G10232	P240	G10306	P234	G10345	P136	G10460	P118
G10232	P240	G10306	P256	G10345	P150	G10460	P122
G10232	P240	G10307901	P62	G10349101	P62	G10460	P126
G10232	P240	G10308	P16	G10350	P258	G10460	P134
G10232	P250	G10309	P20	G10357401	P229	G10460	P150
G10233	P53	G10309	P46	G10374	P144	G10460	P150
G10233	P120	G10309	P114	G10395301	P74	G10460	P151
G10233	P136	G10310	P10	G10395401	P74	G10460	P240
G10233	P137	G10310	P32	G10395501	P74	G10460	P241
G10233	P140	G10310	P56	G10396	P262	G10460	P249
G10233	P236	G10312	P4	G10396	P264	G10460	P262
G10233	P238	G10312	P17	G10396901	P72	G10460	P264
G10233	P241	G10312	P32	G10397801	P12	G10462	P76
G10234	P118	G10315	P32	G10397801	P14	G10462	P76
G10235	P74	G10318301	P131	G10397801	P236	G10463	P46
G10235	P137	G10322	P232	G10401	P26	G10468	P113
G10235	P140	G10322501	P14	G10402701	P4	G10470	P26
G10235	P158	G10323	P26	G10402701	P50	G10475	P28
G10235	P160	G10324	P169	G10403	P108	G10475	P30
G10237	P232	G10325	P12	G10403	P151	G10475701	P4
G10242601	P98	G10325	P32	G10403	P151	G10476201	P28
G10242801	P98	G10325	P62	G10403501	P130	G10478401	P28
G10243	P82	G10325	P94	G10403801	P130	G10483101	P30
G10244501	P62	G10325	P98	G10404901	P130	G10483101	P30
G10246001	P90	G10325	P106	G10412	P54	G10483201	P30
G10246301	P90	G10326	P21	G10419	P238	G10483401	P30
G10251	P98	G10328	P90	G10427101	P40	G10485	P244
G10253	P144	G10328	P180	G10428901	P214	G10485	P246
G10254701	P217	G10328201	P94	G10429101	P26	G10488902	P98
G10254801	P217	G10329801	P20	G10429301	P26	G10495102	P90
G10254901	P217	G10330	P128	G10430	P137	G10495103	P90
G10257	P98	G10330	P129	G10436	P114	G10495105	P92
G10257	P144	G10330	P129	G10438	P4	G10496	P54
G10265001	P96	G10330	P131	G10439	P122	G10496	P140
G10265001	P98	G10331001	P74	G10439801	P92	G10496	P144
G10266501	P28	G10334701	P14	G10441	P128	G10496	P238
G10266901	P98	G10334801	P14	G10441	P129	G10497	P144
G10267101	P98	G10334901	P14	G10448	P129	G10500	P26
G10278	P252	G10335001	P14	G10448	P131	G10500901	P4
G10278	P254	G10335101	P14	G10450	P234	G10500901	P50
G10284	P46	G10335201	P14	G10451	P42	G10501	P120

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G10501	P137	G10606	P118	G10628	P247	G10676	P244
G10501	P137	G10610	P110	G10629	P247	G10676	P246
G10502X	P1	G10614301	P30	G10630	P244	G10676	P246
G10503	P38	G10615	P252	G10630	P246	G10681	P82
G10503	P40	G10615701	P250	G10630101	P246	G10681	P194
G10503	P142	G10616	P244	G10633	P244	G10681	P198
G10504X	P43	G10616	P247	G10636	P35	G10681	P252
G10507	P232	G10619	P244	G10636	P126	G10681	P254
G10527	P118	G10619	P246	G10636	P126	G10686	P246
G10527	P139	G10619	P252	G10636	P128	G10687	P22
G10535	P54	G10620	P4	G10636	P134	G10688	P54
G10536	P151	G10620	P32	G10640	P118	G10688	P139
G10543	P118	G10620	P62	G10640	P128	G10689	P116
G10544	P154	G10620	P62	G10640	P128	G10690	P26
G10546	P20	G10620	P62	G10640	P151	G10693	P256
G10546	P34	G10620	P76	G10640	P151	G10694601	P109
G10546	P144	G10620	P126	G10640	P151	G10716	P118
G10551	P4	G10620	P140	G10640	P232	G10716	P126
G10551	P50	G10620	P210	G10640	P234	G10718	P46
G10564	P42	G10620	P211	G10640	P238	G10721201	P128
G10567	P20	G10620	P236	G10640	P240	G10722	P154
G10567	P34	G10620	P17	G10641	P113	G10724901	P72
G10567	P58	G10621	P10	G10641	P231	G10724901	P214
G10567	P60	G10621	P20	G10641	P250	G10724901	P229
G10567801	P72	G10621	P26	G10643	P150	G10725	P154
G10568101	P199	G10621	P26	G10647	P114	G10732	P8
G10570	P34	G10621	P32	G10649801	P72	G10732	P46
G10581	P142	G10621	P33	G10649801	P214	G10734	P254
G10583	P139	G10621	P46	G10649801	P229	G10737701	P214
G10583	P186	G10621	P56	G10652801	P40	G10737701	P229
G10585	P114	G10621	P58	G10652901	P40	G10743	P142
G10587	P240	G10621	P60	G10655	P240	G10743	P152
G10588	P240	G10621	P76	G10660	P34	G10745401	P4
G10592	P232	G10621	P82	G10664901	P30	G10745401	P208
G10594	P232	G10621	P96	G10665001	P30	G10751	P8
G10595	P113	G10621	P98	G10665101	P30	G10751	P8
G10595	P136	G10621	P129	G10670	P32	G10751	P46
G10599	P16	G10621	P129	G10670	P33	G10752	P8
G10599	P66	G10621	P130	G10670	P240	G10752	P20
G10599	P94	G10621	P131	G10671	P111	G10752	P54
G10599	P110	G10621	P136	G10672	P240	G10753	P56
G10599	P232	G10621	P137	G10672	P262	G10753	P62
G10602	P20	G10622	P12	G10672	P264	G10755	P62
G10602	P26	G10623	P244	G10674	P244	G10756	P262
G10602	P34	G10623	P246	G10674	P244	G10756	P264
G10602	P136	G10626	P244	G10674	P244	G10757	P32
G10602	P139	G10626	P244	G10674	P244	G10758	P32
G10602	P142	G10626	P246	G10674	P244	G10758	P98
G10602	P237	G10626	P252	G10674	P247	G10765	P38
G10602	P241	G10626	P262	G10674	P252	G10765	P40
G10603	P26	G10626	P264	G10676	P62	G10765	P110
G10604	P26	G10627	P247	G10676	P240	G10770	P177

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G10770	P177	G10901	P66	G10991	P256	G11075	P238
G10779	P126	G10901	P244	G10992	P147	G11078	P140
G10779	P169	G10901	P246	G10992	P147	G11078	P238
G10806	P126	G10901301	P35	G10993901	P92	G11081	P134
G10806	P128	G10907	P172	G10994101	P92	G11083	P252
G10808	P114	G10907	P172	G10994201	P92	G11083	P254
G10809	P62	G10907	P174	G10994301	P92	G11091	P8
G10809	P62	G10913	P128	G10994401	P92	G11091	P10
G10809	P110	G10917	P252	G10995	P252	G11091	P56
G10810301	P224	G10917	P254	G10995	P254	G11091	P62
G10821	P139	G10918	P58	G10996	P144	G11091	P88
G10821	P237	G10918	P60	G10996	P196	G11091	P88
G10825001	P128	G10918	P142	G10996	P196	G11091	P94
G10826	P262	G10923	P140	G10996	P206	G11091	P102
G10826	P264	G10925301	P92	G11009	P26	G11091	P102
G10828	P118	G10931	P98	G11009	P30	G11091	P104
G10830	P249	G10936101	P30	G11009	P102	G11091	P104
G10842301	P206	G10936301	P92	G11009	P104	G11091	P106
G10842401	P206	G10939	P102	G11013701	P10	G11091	P106
G10842501	P206	G10939	P104	G11013701	P20	G11091	P106
G10844	P150	G10939	P144	G11013701	P56	G11091	P106
G10844	P154	G10939	P174	G11013701	P100	G11091	P106
G10851101	P118	G10940	P14	G11013701	P102	G11091	P106
G10857	P96	G10941101	P200	G11013701	P104	G11091	P106
G10857	P129	G10941101	P201	G11015	P4	G11091	P106
G10857	P226	G10945001	P200	G11015	P50	G11091	P114
G10857	P227	G10945001	P201	G11015101	P114	G11091	P116
G10859	P144	G10950801	P90	G11018	P6	G11091	P116
G10860	P136	G10950901	P90	G11018	P52	G11091	P118
G10860	P139	G10955	P129	G11042	P250	G11091	P130
G10860	P142	G10955	P129	G11042X	P30	G11091	P130
G10862	P232	G10955	P131	G11043301	P110	G11091	P186
G10864	P32	G10958	P178	G11043501	P92	G11091	P244
G10870	P136	G10961	P76	G11043502	P92	G11091	P246
G10870	P139	G10961	P94	G11043503	P92	G11091	P246
G10870	P142	G10961	P236	G11043503	P94	G11091	P247
G10871	P182	G10966	P32	G11043504	P92	G11091	P264
G10871	P234	G10968	P54	G11044001	P110	G11100	P140
G10871601	P14	G10972	P170	G11044201	P110	G11100	P238
G10871701	P14	G10972	P180	G11044401	P110	G11105X	P30
G10871801	P14	G10974	P38	G11044501	P110	G11106	P224
G10874	P122	G10974	P40	G11045701	P92	G11106X	P30
G10880	P74	G10977	P186	G11047X	P30	G11107X	P30
G10887	P244	G10978501	P224	G11048X	P30	G11109601	P186
G10887	P246	G10983101	P30	G11053	P126	G11113301	P186
G10887	P252	G10983201	P30	G11065	P98	G11113501	P92
G10888	P244	G10983301	P30	G11065	P187	G11113601	P92
G10888	P247	G10984X	P1	G11066	P147	G11122	P250
G10889	P244	G10985X	P43	G11066	P147	G11123	P82
G10889	P246	G10988	P82	G11068	P187	G11124	P81
G10900	P144	G10990	P180	G11073	P34	G11124	P208
G10901	P63	G10991	P234	G11075	P140	G11125001	P216

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G11125101	P216	G11320	P90	G11387	P54	G11389	P136
G11125201	P216	G11320	P92	G11387	P56	G11389	P142
G11125501	P216	G11320	P151	G11387	P62	G11389	P152
G11126001	P214	G11320	P151	G11387	P62	G11389	P198
G11126701	P214	G11320	P151	G11387	P66	G11389	P232
G11126801	P214	G11320	P278	G11387	P72	G11389	P234
G11126901	P214	G11328	P90	G11387	P74	G11389	P234
G11131901	P126	G11328	P92	G11387	P94	G11389	P238
G11114401	P81	G11332X	P30	G11387	P94	G11389	P238
G11135	P198	G11337	P76	G11387	P94	G11389	P250
G11146	P62	G11339	P90	G11387	P104	G11389	P264
G11152X	P30	G11360	P88	G11387	P106	G11391	P6
G11153X	P30	G11367	P88	G11387	P108	G11391	P16
G11154X	P30	G11385	P32	G11387	P113	G11391	P42
G11158	P72	G11385	P34	G11387	P114	G11391	P52
G11158	P108	G11385	P42	G11387	P114	G11391	P54
G11166	P63	G11385	P58	G11387	P116	G11391	P88
G11166	P278	G11385	P60	G11387	P129	G11391	P109
G11170	P116	G11385	P76	G11387	P130	G11391	P110
G11172	P30	G11385	P102	G11387	P140	G11391	P111
G11182	P66	G11385	P104	G11387	P144	G11391	P112
G11182	P94	G11385	P108	G11387	P150	G11391	P116
G11188	P62	G11385	P114	G11387	P184	G11391	P118
G11188	P63	G11385	P198	G11387	P198	G11391	P118
G11202	P215	G11385	P206	G11387	P215	G11391	P137
G11209	P32	G11385	P262	G11387	P226	G11391	P142
G11215	P66	G11386	P14	G11387	P232	G11391	P150
G11215	P82	G11386	P14	G11387	P232	G11391	P150
G11216	P96	G11386	P53	G11387	P234	G11391	P151
G11220	P6	G11386	P58	G11387	P237	G11391	P152
G11223	P112	G11386	P60	G11387	P238	G11391	P154
G11228	P38	G11386	P62	G11387	P250	G11391	P231
G11228	P40	G11386	P62	G11387	P256	G11391	P232
G11230	P113	G11386	P62	G11389	P6	G11391	P234
G11232	P137	G11386	P94	G11389	P6	G11391	P236
G11236	P38	G11386	P94	G11389	P38	G11391	P249
G11236	P40	G11386	P148	G11389	P40	G11391	P250
G11242	P120	G11386	P148	G11389	P42	G11391	P250
G11249	P94	G11386	P234	G11389	P46	G11391	P250
G11254	P129	G11386	P240	G11389	P52	G11391	P262
G11261	P94	G11386	P240	G11389	P53	G11391	P264
G11281	P30	G11386	P240	G11389	P58	G11391	P264
G11284	P96	G11386	P240	G11389	P60	G11392	P38
G11284	P98	G11387	P4	G11389	P66	G11392	P40
G11290	P111	G11387	P4	G11389	P109	G11392	P62
G11303	P106	G11387	P16	G11389	P110	G11392	P62
G11305	P254	G11387	P16	G11389	P110	G11392	P94
G11306	P247	G11387	P20	G11389	P113	G11392	P109
G11308	P246	G11387	P21	G11389	P114	G11392	P118
G11309	P191	G11387	P22	G11389	P118	G11392	P128
G11314	P134	G11387	P32	G11389	P122	G11394	P114
G11319	P151	G11387	P47	G11389	P129	G11396	P111

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G11396	P134	G1K248	P82	G2700-08	P158	G3303-16	P8
G11396	P262	G1K248	P146	G2700-08	P160	G3303-34	P10
G11396	P264	G1K248	P205	G2700-08	P180	G3303-41	P56
G11400	P134	G1K248	P208	G2700-10	P68	G3303-44	P10
G11400	P151	G1K248	P216	G2700-10	P116	G3303-78	P56
G11400	P151	G1K252	P146	G2700-10	P158	G3303-88	P10
G11400	P151	G1K252	P206	G2700-10	P160	G3303-96	P46
G11401	P98	G1K252	P208	G2700-12	P68	G3303-98	P8
G11409	P82	G1K252	P216	G2700-12	P116	G3305-03	P262
G11409	P130	G1K268	P146	G2701-10	P74	G3310-100	P142
G11409	P130	G1K268	P206	G2702-06	P78	G3310-110	P137
G11418	P154	G1K268	P208	G2702-06	P164	G3310-114	P137
G11419	P16	G1K274	P196	G2702-10	P68	G3310-118	P137
G11448	P28	G1K275	P196	G2702-10	P78	G3310-122	P54
G11448	P30	G1K296	P14	G2702-12	P68	G3310-126	P137
G11453	P140	G1K320	P146	G2702-12	P78	G3310-130	P238
G11453	P238	G1K320	P206	G2703-08-08-10	P158	G3310-80	P139
G11514	P8	G1K320	P208	G2703-08-08-10	P160	G3310-84	P120
G11514	P8	G1K321	P146	G304-C-10	P81	G3310-88	P237
G11514	P46	G1K321	P206	G304-C-12	P82	G3317-16	P120
G11514	P46	G1K321	P208	G304-C-6	P58	G3324-01	P111
G11518	P82	G1K322	P208	G304-C-6	P60	G3400-01	P53
G11522	P94	G1K331	P54	G304-C-6	P81	G3400-01	P120
G11528	P94	G1K345	P16	G304-C-8	P74	G3400-01	P140
G11556	P30	G1K362	P208	G304-C-8	P180	G4200-01	P262
G11578	P30	G1K362	P216	G304-C-8	P198	G4200-01	P264
G11591	P4	G1K363	P208	G306-06	P78	G4200-03	P244
G11591	P50	G1K363	P216	G306-06	P80	G4200-06	P244
G11592	P4	G1K378	P238	G306-06	P116	G4200-14	P246
G11592	P50	G1K379	P238	G306-06	P164	G4201-03	P244
G11618	P30	G1K380	P140	G306-08	P150	G4202-04	P247
G11619	P30	G1K381	P140	G306-08	P158	G4205-10	P252
G11693	P30	G1K426	P193	G306-08	P160	G4205-10	P254
G11704	P66	G1K534	P47	G306-08	P180	G4206-04	P246
G11793	P34	G1K535	P47	G306-10	P68	G4301-05	P252
G11862	P16	G1K758	P8	G306-10	P74	G4301-05	P254
G11874	P111	G1K759	P47	G306-10	P116	G4301-06	P252
G11875	P42	G2100-03	P53	G306-10	P158	G4301-06	P254
G11896	P170	G2100-03	P120	G306-10	P160	G4431-01	P106
G11931	P224	G2100-03	P140	G306-12	P68	G4602-02	P247
G11934	P144	G2403-06	P164	G306-12	P116	G4602-04	P244
G11939	P224	G2403-12	P74	G3200-63	P250	G6325X	P8
G11960	P215	G2408-08	P158	G3303-103	P10	G6400-06	P66
G11961	P215	G2408-08	P160	G3303-108	P8	G6400-06	P78
G11965	P29	G2500-84	P250	G3303-108	P32	G6400-06	P80
G11976	P8	G2603-06	P58	G3303-108	P102	G6400-06	P184
G11976	P8	G2603-06	P60	G3303-108	P104	G6400-06	P187
G11976	P46	G2603-08	P160	G3303-114	P8	G6400-06	P194
G12103	P216	G2700-06-06	P78	G3303-114	P32	G6400-08-04	P150
G12122	P224	G2700-06-06	P80	G3303-120	P102	G6400-08-04	P180
G12212-08	P216	G2700-06-06	P116	G3303-120	P104	G6400-10	P108
G1K248	P66	G2700-06-06	P164	G3303-124	P8	G6400-10	P184

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G6400-10.	P186	G6801-04-04.	P42	G6804-10.	P184	G7100-559.	P269
G6400-10.	P187	G6801-04-04.	P58	G6804-12.	P108	G7100-559.	P270
G6400-10.	P194	G6801-04-04.	P60	G6804-12.	P184	G7100-572.	P272
G6400-10.		G6801-04-04.	P200	G6804-12-12.	P108	G7100-573.	P272
G6400-10-08.	P182	G6801-04-04.	P201	G6815-06-04.	P199	G7100-92.	P275
G6400-10-08.	P184	G6801-06.	P78	G6835-16-16-16.	P74	G7633X.	P206
G6400-10-08.	P190	G6801-06.	P80	G7100-110.	P276	G7639X.	P206
G6400-10-08.	P195	G6801-06.	P81	G7100-111.	P276	G7698X.	P122
G6400-12.	P184	G6801-06.	P187	G7100-116.	P276	G8647x.	P208
G6400-12.	P194	G6801-06.	P193	G7100-153.	P275	G9881X.	P236
G6400-12-10.	P195	G6801-06-08.	P110	G7100-201.	P275	G9897X.	P30
G6400-L-06.	P187	G6801-06-08.	P126	G7100-214.	P275	G9903X.	P30
G6400-L-08.	P122	G6801-06-08.	P126	G7100-234.	P275	G9978X.	P111
G6400-L-08.	P186	G6801-08.	P78	G7100-262.	P269	GA0237.	P231
G6408-04.	P169	G6801-08.	P80	G7100-295.	P274	GA0241.	P250
G6408-04.	P174	G6801-08.	P117	G7100-329.	P276	GA0245.	P154
G6408-06.	P194	G6801-08.	P150	G7100-352.	P276	GA0251.	P250
G6408-06.	P195	G6801-08.	P186	G7100-370.	P266	GA0252.	P250
G6408-08.	P169	G6801-08.	P186	G7100-375.	P68	GA0257.	P154
G6408-08.	P170	G6801-08.	P187	G7100-375.	P276	GA0262.	P250
G6408-08.	P171	G6801-08-10.	P186	G7100-376.	P272	GA0378.	P137
G6408-08.	P172	G6801-10.	P66	G7100-381.	P271	GA0547.	P250
G6408-08.	P174	G6801-10.	P74	G7100-382.	P267	GA0898.	P240
G6408-08.	P176	G6801-10.	P76	G7100-384.	P267	GA10036.	P236
G6408-08.	P178	G6801-10.	P80	G7100-385.	P265	GA10037.	P236
G6408-08.	P180	G6801-10.	P108	G7100-385.	P266	GA10047.	P234
G6408-08.	P186	G6801-10.	P193	G7100-385.	P267	GA10048.	P234
G6408-10.	P186	G6801-10-12.	P78	G7100-385.	P272	GA10054.	P144
G6408-12.	P194	G6801-10-12.	P108	G7100-386.	P266	GA10137.	P20
G6408-H06-0.	P187	G6801-10-12.	P198	G7100-387.	P274	GA10151.	P10
G6408-H06-0.	P191	G6801-10-16.	P74	G7100-389.	P271	GA10151.	P20
G6408-H06-O.	P186	G6801-12.	P72	G7100-392.	P268	GA10151.	P56
G6408-H06-O.	P186	G6801-12.	P74	G7100-393.	P268	GA10151.	P100
G6408-H08-O.	P191	G6801-12.	P76	G7100-397.	P266	GA10157.	P4
G6408-H10-0.	P191	G6801-12.	P78	G7100-400.	P265	GA10621.	P250
G6500-06.	P58	G6801-12.	P82	G7100-402.	P267	GA10622.	P249
G6500-06.	P60	G6801-12-10.	P76	G7100-471.	P273	GA10624.	P249
G6500-06.	P68	G6801-12-10.	P80	G7100-484.	P278	GA10799.	P66
G6500-06.	P187	G6801-12-10.	P81	G7100-49.	P275	GA10799.	P82
G6500-06.	P193	G6801-12-10.	P108	G7100-504.	P275	GA10832.	P139
G6500-08.	P58	G6801-12-10.	P191	G7100-508.	P275	GA10894.	P250
G6500-08.	P60	G6801-12-10.	P193	G7100-509.	P275	GA10907.	P250
G6500-08.	P122	G6801-12-20.	P74	G7100-511.	P274	GA10908.	P250
G6500-08.	P186	G6801-16-20.	P108	G7100-557.	P269	GA10917.	P76
G6500-08.	P198	G6801-20.	P72	G7100-557.	P269	GA10918.	P74
G6500-10.	P195	G6801-L-08.	P186	G7100-557.	P270	GA10918.	P108
G6500-10.	P198	G6801-LL-12.	P74	G7100-558.	P268	GA10918.	P166
G6500-12.	P195	G6802-08.	P190	G7100-558.	P269	GA10924.	P206
G6502-10.	P198	G6803-04-04-04.	P200	G7100-558.	P269	GA11079.	P112
G6602-06.	P58	G6804-04-04-04.	P201	G7100-558.	P270	GA11331.	P53
G6602-06.	P60	G6804-08.	P74	G7100-558.	P271	GA11331.	P120
G6602-06.	P80	G6804-10.	P74	G7100-559.	P269	GA11528.	P72

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GA11528	P110	GA12677	P46	GA14112	P244	GA14847	P66
GA11736	P206	GA12812	P66	GA14112	P247	GA14847	P82
GA11934	P194	GA12812	P82	GA14127	P147	GA14856	P94
GA11971	P46	GA12812	P146	GA14129	P96	GA14858	P94
GA11982	P6	GA12812	P214	GA14133	P96	GA14939	P117
GA11982	P52	GA12812	P220	GA14135	P96	GA14943	P110
GA11988	P148	GA12813	P146	GA14135	P98	GA14981	P128
GA11991	P148	GA12853	P216	GA14152	P72	GA15151	P154
GA11992	P148	GA12858	P146	GA14322	P116	GA15197	P16
GA11995	P148	GA12868	P216	GA14323	P116	GA15288	P220
GA11997	P148	GA12868	P224	GA14330	P88	GA15290	P220
GA12108	P234	GA13078	P191	GA14349	P134	GA15416	P232
GA12109	P234	GA13079	P191	GA14359	P122	GA15416	P234
GA12143	P20	GA13114	P150	GA14361	P151	GA15422	P278
GA12163	P112	GA13169	P148	GA14370	P106	GA15453	P129
GA12164	P112	GA13204	P129	GA14371	P106	GA15499	P68
GA12191	P137	GA13340	P152	GA14372	P106	GA15499	P78
GA12192	P137	GA13487	P151	GA14373	P106	GA15499	P80
GA12192	P238	GA13512	P148	GA14383	P76	GA15499	P162
GA12235	P38	GA13521	P215	GA14384	P76	GA15881	P220
GA12236	P38	GA13551	P210	GA14385	P76	GA15882	P220
GA12335	P256	GA13551	P214	GA14402	P152	GA15883	P220
GA12358	P148	GA13562	P216	GA14412	P134	GA15884	P220
GA12403	P96	GA13572	P216	GA14413	P134	GA15907	P220
GA12403	P98	GA13622	P247	GA14444	P62	GA16082	P208
GA12403	P208	GA13623	P247	GA14444	P106	GA16145	P106
GA12537	P211	GA13633	P191	GA14445	P106	GA16145	P264
GA12539	P216	GA13665	P112	GA14446	P72	GA16157	P244
GA12555	P210	GA13667	P63	GA14448	P216	GA16157	P246
GA12555	P214	GA13673	P112	GA14449	P216	GA16338	P206
GA12558	P211	GA13741	P186	GA14450	P214	GA16339	P206
GA12558	P214	GA13764	P150	GA14452	P214	GA16340	P206
GA12559	P211	GA13768	P110	GA14478	P178	GA16343	P220
GA12559	P214	GA13783	P112	GA14481	P123	GA16350	P220
GA12563	P210	GA13790	P137	GA14481	P178	GA16351	P210
GA12565	P120	GA13934	P118	GA14489	P190	GA16352	P210
GA12565	P220	GA13935	P180	GA14514	P116	GA16352	P214
GA12566	P214	GA13938	P113	GA14515	P116	GA16355	P221
GA12567	P214	GA13938	P180	GA14516	P128	GA16374	P10
GA12568	P214	GA13939	P180	GA14517	P129	GA16374	P56
GA12568	P220	GA13944	P146	GA14519	P116	GA16374	P220
GA12569	P120	GA13954	P113	GA14520	P264	GA16375	P211
GA12577	P109	GA13954	P180	GA14521	P128	GA16375	P214
GA12596	P214	GA13986	P109	GA14571	P203	GA16375	P220
GA12598	P214	GA13994	P150	GA14572	P82	GA16376	P211
GA12626	P148	GA14031	P100	GA14576	P191	GA16376	P214
GA12629	P148	GA14040	P94	GA14589	P106	GA16376	P220
GA12655	P210	GA14041	P94	GA14593	P85	GA16381	P214
GA12655	P214	GA14049	P244	GA14600	P126	GA16381	P220
GA12661	P120	GA14050	P246	GA14822	P90	GA16382	P211
GA12675	P46	GA14052	P94	GA14823	P90	GA16382	P214
GA12676	P47	GA14111	P246	GA14846	P146	GA16382	P220

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GA16383	P211	GA20640	P20	GA24878	P30	GA26287	P32
GA16383	P214	GA20640	P56	GA24887	P214	GA26287	P33
GA16383	P220	GA20640	P102	GA24889	P46	GA26297	P50
GA16392	P146	GA20640	P104	GA25240	P58	GA2660	P244
GA16393	P214	GA2068	P136	GA25240	P60	GA2660	P246
GA16393	P220	GA20687	P126	GA25257	P42	GA26723	P226
GA16428	P244	GA20765	P146	GA25258	P42	GA26723	P227
GA16428	P246	GA20772	P171	GA25261	P42	GA26723	P228
GA16826	P211	GA20773	P171	GA25261	P58	GA26844	P226
GA16826	P214	GA20902	P208	GA25261	P60	GA26909	P150
GA16826	P220	GA21030	P150	GA25261	P166	GA26909	P154
GA16829	P220	GA21030	P169	GA25261	P168	GA26920	P12
GA16832	P221	GA21114	P176	GA25261	P181	GA26924-01	P156
GA16833	P221	GA21115	P117	GA2528	P206	GA26924-02	P156
GA16834	P221	GA21115	P176	GA25304	P102	GA26924-03	P156
GA16923	P216	GA21309	P102	GA25304	P104	GA26924-04	P156
GA17070	P106	GA21309	P104	GA25365	P224	GA26924-05	P68
GA17078	P106	GA21405	P148	GA25366	P224	GA26924-05	P80
GA17080	P106	GA21406	P66	GA25367	P224	GA26924-06	P68
GA17088	P88	GA21406	P82	GA25369	P226	GA26924-06	P80
GA1720	P8	GA21406	P82	GA25384	P58	GA26924-07	P78
GA1720	P10	GA21482	P104	GA25384	P60	GA26924-07	P80
GA1720	P56	GA21589	P171	GA25388	P82	GA26924-07	P162
GA17200	P220	GA21590	P171	GA25389	P199	GA26924-08	P78
GA17399	P150	GA21591	P172	GA25390	P199	GA26924-08	P80
GA17400	P150	GA21592	P172	GA25401	P42	GA26924-08	P162
GA17401	P151	GA21627	P126	GA25403	P199	GA26924-11	P78
GA17402	P151	GA21627	P174	GA25404	P199	GA26924-11	P80
GA17413	P129	GA21676	P14	GA25405	P226	GA26958	P16
GA17547	P146	GA21677	P14	GA25454	P129	GA26989	P30
GA17547	P206	GA2180	P54	GA25454	P226	GA27038	P38
GA17547	P208	GA2180	P120	GA25482	P228	GA27038	P40
GA17903	P128	GA2180	P140	GA25519	P226	GA27102	P74
GA18105	P128	GA21813	P126	GA25520	P226	GA27105	P108
GA18311	P236	GA21813	P174	GA25521	P226	GA27158	P90
GA18353	P130	GA22268	P76	GA25522	P227	GA27159	P90
GA18353	P130	GA22273	P147	GA25523	P227	GA27160	P90
GA18486	P203	GA22793	P148	GA25524	P227	GA27163	P90
GA18822	P259	GA24239	P35	GA25551	P129	GA3407	P187
GA2007	P20	GA24371	P53	GA25551	P226	GA3413	P186
GA2007	P46	GA24372	P53	GA25557	P224	GA3552	P137
GA20111	P30	GA24543	P66	GA25585	P226	GA3553	P137
GA2012L	P12	GA24543	P193	GA25585	P227	GA3584	P116
GA2012R	P12	GA24649	P216	GA2559	P250	GA3584	P186
GA2014	P38	GA24676	P30	GA25782	P224	GA3584	P205
GA2014	P40	GA24752	P30	GA25840	P224	GA3893	P252
GA2019	P26	GA24754	P151	GA25857	P198	GA4286	P231
GA2020	P26	GA24825	P134	GA25982	P199	GA4287	P231
GA20252	P199	GA24826	P134	GA26005	P199	GA4293	P186
GA20583	P259	GA24828	P134	GA26013	P224	GA4293	P191
GA20622	P30	GA24873	P24	GA26104	P90	GA4293	P194
GA20640	P10	GA24877	P30	GA2612	P206	GA4293	P195

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GA4376	P134	GA5671	P238	GA7096	P126	GA8135	P215
GA4444	P33	GA5672	P238	GA7098	P128	GA8326	P34
GA4722	P128	GA5699	P28	GA7110	P144	GA8328	P146
GA4723	P128	GA5716	P129	GA7111	P144	GA8329	P146
GA4727	P129	GA5716	P131	GA7129	P238	GA8343	P26
GA4736	P129	GA5842	P110	GA7130	P238	GA8364	P34
GA4842	P110	GA5853	P154	GA7133	P244	GA8366	P34
GA4842	P110	GA5887	P231	GA7137	P144	GA8371	P33
GA4976	P244	GA6108	P206	GA7154	P53	GA8393	P144
GA4976	P246	GA6109	P206	GA7154	P120	GA8603	P35
GA4976	P262	GA6147	P208	GA7154	P137	GA8603	P234
GA4976	P264	GA6171	P14	GA7154	P142	GA8641	P35
GA4995	P109	GA6171	P16	GA7154	P142	GA8688	P232
GA5105	P120	GA6171	P16	GA7208	P262	GA8689	P232
GA5105	P137	GA6171	P16	GA7209	P262	GA8731	P206
GA5105	P139	GA6171	P236	GA7221	P170	GA8734	P206
GA5105	P237	GA6337	P237	GA7239	P232	GA8735	P206
GA5106	P139	GA6434	P16	GA7240	P232	GA8760	P38
GA5107	P53	GA6436	P240	GA7336	P140	GA8859	P180
GA5107	P139	GA6437	P240	GA7336	P237	GA8904	P126
GA5107	P237	GA6497	P118	GA7372	P137	GA8904	P170
GA5108	P120	GA6527	P252	GA7390	P118	GA8931	P258
GA5108	P139	GA6527	P254	GA7396	P238	GA8979	P180
GA5109	P139	GA6597	P16	GA7424	P113	GA9088	P152
GA5110	P139	GA6608	P158	GA7433	P110	GA9096	P205
GA5111	P139	GA6608	P160	GA7434	P129	GA9097	P186
GA5112	P139	GA6741	P32	GA7434	P134	GA9098	P187
GA5113	P137	GA6907	P32	GA7540	P126	GA9105	P47
GA5113	P139	GA6928	P117	GA7579	P118	GA9144	P208
GA5113	P142	GA6929	P117	GA7845	P244	GA9145	P150
GA5114	P120	GA6943	P118	GA7845	P246	GA9202	P206
GA5114	P136	GA6960	P262	GA7851	P214	GA9204	P206
GA5114	P137	GA6960	P264	GA7852	P208	GA9205	P114
GA5114	P139	GA6961	P262	GA7852	P210	GA9205	P177
GA5114	P237	GA6961	P264	GA7852	P214	GA9407	P258
GA5114	P238	GA6964	P126	GA7852	P214	GA9433	P234
GA5115	P237	GA6966	P234	GA7853	P208	GA9434	P234
GA5116	P238	GA6975	P206	GA7853	P210	GA9437	P234
GA5121	P126	GA6977	P206	GA7853	P214	GA9467	P172
GA5121	P136	GA6978	P206	GA7853	P220	GA9472	P236
GA5164	P137	GA7016	P110	GA7854	P208	GA9479	P144
GA5165	P137	GA7018	P118	GA7855	P208	GA9480	P144
GA5194	P142	GA7019	P118	GA7857	P208	GA9481	P206
GA5229	P237	GA7022	P110	GA7859	P208	GA9482	P144
GA5385	P206	GA7022	P128	GA8046	P208	GA9547	P100
GA5385	P206	GA7051	P54	GA8046	P216	GA9553	P120
GA5548	P140	GA7051	P140	GA8047	P206	GA9553	P137
GA5600	P208	GA7051	P241	GA8047	P208	GA9554	P137
GA5624	P237	GA7052	P54	GA8047	P216	GA9557	P142
GA5654	P38	GA7052	P140	GA8050	P210	GA9558	P142
GA5654	P40	GA7052	P241	GA8092	P54	GA9559	P110
GA5667	P240	GA7077	P206	GA8092	P140	GA9559	P177

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GA9564	P234	GB0274	P50	GB0455	P104	GB1198	P92
GA9714	P24	GB0276	P14	GB0458	P110	GB1199	P90
GA9819	P234	GB0278	P20	GB0464	P38	GB1199	P92
GA9820	P234	GB0278	P34	GB0464	P40	GB1200	P92
GA9837	P109	GB0282	P16	GB0493	P88	GB1201	P90
GA9840	P122	GB0285	P4	GB0554	P154	GB1201	P92
GA9843	P137	GB0285	P50	GB0574	P100	GB1203	P90
GA9846	P137	GB0287	P139	GB0673	P94	GB1204	P90
GA9964	P66	GB0292	P109	GB0675	P94	GB1204	P92
GA9964	P82	GB0296	P234	GB0676	P30	GB1206	P94
GA9964	P146	GB0309	P122	GB0697	P29	GB1216	P69
GA9964	P146	GB0314	P8	GB0717	P102	GB1216	P70
GA9978	P208	GB0314	P46	GB0717	P104	GB1223	P8
GA9978	P216	GB0315	P264	GB0780	P29	GB1223	P46
GA9979	P208	GB0322	P234	GB0815	P29	GB1224	P8
GA9979	P216	GB0323	P234	GB0818	P30	GB1224	P8
GB0110	P26	GB0366	P8	GB0823	P29	GB1224	P46
GB0115	P34	GB0383	P38	GB0867	P118	GB1224	P46
GB0116	P34	GB0383	P40	GB0901	P102	GB1231	P30
GB0120	P26	GB0387	P38	GB0901	P104	GB1237	P30
GB0186	P8	GB0387	P40	GB0905	P94	GB1313	P69
GB0196	P250	GB0389	P52	GB0907	P30	GB1313	P104
GB0198	P240	GB0389	P58	GB0920	P30	GD0453-03	P150
GB0199	P240	GB0389	P60	GB0921	P30	GD0453-04	P150
GB0200	P240	GB0390	P52	GB0926	P30	GD0453-07	P150
GB0205	P231	GB0391	P52	GB0926	P102	GD0453-08	P150
GB0206	P232	GB0392	P52	GB0926	P104	GD0740	P182
GB0206	P262	GB0393	P6	GB0958	P30	GD0746	P154
GB0206	P264	GB0395	P6	GB0968	P56	GD0826	P113
GB0209	P232	GB0396	P6	GB1084	P28	GD0826	P117
GB0210	P232	GB0397	P6	GB1090	P208	GD0829	P72
GB0218	P110	GB0397	P52	GB1090	P208	GD0829	P118
GB0218	P116	GB0398	P6	GB1090	P210	GD0829	P262
GB0218	P137	GB0400	P234	GB1090	P214	GD0831	P250
GB0218	P137	GB0405	P234	GB1090	P220	GD0840	P154
GB0218	P150	GB0409	P118	GB1090	P208	GD0914-106.5	P140
GB0218	P152	GB0410	P26	GB1107	P28	GD0914-12.50	P53
GB0218	P231	GB0425	P85	GB1123	P28	GD0914-128	P54
GB0218	P249	GB0428	P102	GB1124	P28	GD0914-138	P54
GB0218	P262	GB0428	P104	GB1130	P28	GD0914-15	P54
GB0218	P264	GB0430	P90	GB1131	P28	GD0914-166.50	P140
GB0218	P264	GB0430	P100	GB1132	P28	GD0914-24	P54
GB0239	P16	GB0430	P102	GB1133	P28	GD0914-27	P54
GB0246	P113	GB0430	P104	GB1134	P28	GD0914-35	P140
GB0254	P16	GB0431	P90	GB1147	P28	GD0914-38	P140
GB0265	P4	GB0431	P92	GB1147	P29	GD0914-45	P140
GB0266	P4	GB0444	P90	GB1148	P28	GD0914-48	P54
GB0266	P50	GB0444	P92	GB1171	P28	GD0914-54.75	P120
GB0267	P4	GB0445	P100	GB1195	P90	GD0914-66	P54
GB0267	P50	GB0446	P100	GB1196	P90	GD0914-90	P54
GB0268	P16	GB0455	P100	GB1197	P90	GD10006	P118
GB0274	P4	GB0455	P102	GB1197	P92	GD10011	P126

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GD10012.....	P126	GD10446.....	P126	GD1113.....	P246	GD11991.....	P170
GD10013.....	P126	GD10447.....	P126	GD1113.....	P246	GD11992.....	P170
GD10014.....	P126	GD10487.....	P232	GD1113.....	P252	GD11999.....	P178
GD10036.....	P6	GD10492.....	P118	GD1113.....	P254	GD1200.....	P240
GD10036.....	P8	GD10519.....	P38	GD11218.....	P56	GD1207.....	P240
GD10057-01.....	P274	GD10519.....	P40	GD11219.....	P32	GD1209.....	P240
GD10057-02.....	P274	GD10530.....	P114	GD11239.....	P20	GD1210.....	P240
GD10057-03.....	P274	GD10531.....	P118	GD11239.....	P34	GD12102.....	P169
GD10057-04.....	P274	GD10532.....	P118	GD11240.....	P34	GD12102.....	P176
GD10057-11.....	P274	GD10538-01.....	P114	GD11245.....	P128	GD12102.....	P178
GD10057-12.....	P274	GD10538-07.....	P150	GD11259.....	P4	GD12103.....	P170
GD10057-14.....	P274	GD10543.....	P136	GD11259.....	P50	GD12103.....	P172
GD10057-15.....	P274	GD10543.....	P144	GD11264.....	P46	GD12104.....	P180
GD10057-17.....	P274	GD1059L.....	P33	GD11279.....	P24	GD12106.....	P171
GD10057-18.....	P274	GD1059R.....	P33	GD11286.....	P26	GD12106.....	P174
GD10057-19.....	P274	GD1060.....	P33	GD11297.....	P34	GD1213.....	P240
GD10057-20.....	P198	GD1061.....	P34	GD11305.....	P32	GD1213.....	P240
GD10063.....	P126	GD1063.....	P34	GD11306.....	P12	GD12502.....	P178
GD10064.....	P126	GD1065.....	P21	GD1132.....	P38	GD1255.....	P137
GD10068.....	P144	GD1065.....	P22	GD1132.....	P40	GD1256.....	P137
GD10069.....	P144	GD10792.....	P151	GD1134.....	P238	GD12561.....	P24
GD10070.....	P144	GD1083.....	P26	GD1134.....	P240	GD12561.....	P24
GD10071.....	P144	GD1085.....	P16	GD11413.....	P20	GD12561.....	P100
GD10088.....	P152	GD10963.....	P32	GD11413.....	P34	GD12572.....	P171
GD10092.....	P126	GD10984.....	P32	GD11424.....	P33	GD12597.....	P180
GD10099.....	P137	GD10991.....	P14	GD11474.....	P215	GD12676.....	P234
GD10100.....	P139	GD10993.....	P4	GD11490.....	P134	GD12677.....	P234
GD10103.....	P144	GD10993.....	P50	GD11528.....	P26	GD12679.....	P234
GD10104.....	P144	GD11001.....	P4	GD11557.....	P234	GD12685.....	P234
GD10110.....	P244	GD1104.....	P232	GD11558.....	P234	GD12724.....	P17
GD10119.....	P238	GD11045.....	P140	GD11649.....	P46	GD12726.....	P205
GD10123.....	P144	GD11079.....	P211	GD1166.....	P250	GD12818.....	P187
GD10186.....	P151	GD11089.....	P206	GD11677.....	P35	GD13146.....	P186
GD10196.....	P262	GD11089.....	P208	GD11700.....	P194	GD13170.....	P177
GD10207.....	P169	GD11089.....	P211	GD11700.....	P199	GD13170.....	P177
GD10242.....	P232	GD11089.....	P216	GD11700.....	P252	GD13171.....	P177
GD10243.....	P206	GD1109.....	P16	GD11700.....	P254	GD13172.....	P177
GD1026.....	P21	GD11120.....	P144	GD11721.....	P62	GD13172.....	P177
GD1026.....	P22	GD11123.....	P244	GD11751.....	P151	GD13173.....	P177
GD1026.....	P32	GD11123.....	P246	GD11784.....	P40	GD13173.....	P177
GD1026.....	P56	GD11124.....	P244	GD11787.....	P26	GD13287.....	P234
GD1026.....	P140	GD11124.....	P246	GD11953.....	P236	GD13302.....	P172
GD1026.....	P234	GD1113.....	P8	GD11962.....	P21	GD13303.....	P172
GD1026.....	P237	GD1113.....	P46	GD11962.....	P22	GD13303.....	P174
GD1026.....	P238	GD1113.....	P54	GD11962.....	P32	GD13307.....	P174
GD10273.....	P232	GD1113.....	P106	GD11963-07.....	P114	GD13309.....	P236
GD10283.....	P154	GD1113.....	P122	GD11970.....	P180	GD13310.....	P186
GD10298.....	P136	GD1113.....	P232	GD11972.....	P54	GD13310.....	P187
GD10303.....	P232	GD1113.....	P234	GD11973.....	P53	GD13310.....	P206
GD10304.....	P232	GD1113.....	P234	GD11984.....	P180	GD13328.....	P250
GD1041.....	P26	GD1113.....	P234	GD11985.....	P176	GD13348.....	P206
GD1042.....	P26	GD1113.....	P244	GD11988.....	P170	GD13348.....	P208

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GD13359.....	P151	GD16037.....	P74	GD18118.....	P215	GD19509.....	P100
GD13360.....	P151	GD16037.....	P108	GD18119.....	P148	GD19509.....	P102
GD13400.....	P177	GD16038.....	P74	GD18135.....	P47	GD19509.....	P104
GD13400.....	P177	GD16038.....	P108	GD18136.....	P47	GD19639.....	P88
GD13401.....	P134	GD16040.....	P74	GD18168.....	P215	GD19655.....	P128
GD13409.....	P128	GD16040.....	P108	GD18176.....	P211	GD19658-02.....	P88
GD13422.....	P120	GD16188.....	P194	GD18274.....	P52	GD19659-04.....	P88
GD13425.....	P177	GD16226.....	P112	GD18274.....	P148	GD19661-01.....	P150
GD13524-01.....	P144	GD16245.....	P4	GD18275.....	P146	GD19690-03.....	P94
GD13544.....	P114	GD16245.....	P50	GD18326.....	P120	GD19690-04.....	P94
GD13706-02.....	P264	GD16303.....	P112	GD18347.....	P226	GD19690-05.....	P94
GD13744.....	P250	GD16317-01.....	P62	GD18407.....	P216	GD19690-06.....	P94
GD1379.....	P240	GD16324-01.....	P66	GD18408.....	P216	GD19790.....	P26
GD1380.....	P240	GD16324-01.....	P82	GD18540.....	P150	GD19852.....	P90
GD14121.....	P110	GD16418-02.....	P150	GD1862.....	P244	GD19864.....	P90
GD14217.....	P8	GD16489.....	P120	GD1862.....	P246	GD19864.....	P92
GD14258.....	P146	GD16490.....	P120	GD18628.....	P122	GD20035.....	P94
GD14258.....	P146	GD16598.....	P226	GD18643.....	P129	GD20036.....	P94
GD14308.....	P169	GD16598.....	P227	GD18645.....	P129	GD20037.....	P94
GD14413.....	P140	GD16642.....	P72	GD18663.....	P123	GD20060.....	P244
GD14413.....	P238	GD16642.....	P110	GD18676.....	P128	GD20060.....	P246
GD14414.....	P140	GD16642.....	P278	GD18704.....	P26	GD20282.....	P96
GD14414.....	P238	GD16644.....	P108	GD18796.....	P146	GD20282.....	P98
GD14426.....	P140	GD17014.....	P4	GD18811.....	P191	GD20401.....	P88
GD14427.....	P238	GD17052.....	P20	GD18815.....	P150	GD20456.....	P134
GD14431.....	P140	GD17052.....	P47	GD18889.....	P150	GD20457.....	P129
GD14431.....	P238	GD17052.....	P104	GD19123.....	P195	GD20461.....	P134
GD14432.....	P140	GD17141.....	P148	GD19124.....	P148	GD20518.....	P76
GD14432.....	P238	GD17143.....	P148	GD19212.....	P88	GD20534.....	P76
GD14512.....	P144	GD17150-03.....	P148	GD19212.....	P118	GD20539.....	P62
GD14513.....	P144	GD17150-04.....	P148	GD19225.....	P76	GD20539.....	P76
GD14528.....	P186	GD17150-08.....	P148	GD19237.....	P148	GD20589.....	P106
GD14660.....	P146	GD17150-09.....	P148	GD19238.....	P148	GD20591.....	P76
GD15100.....	P112	GD17150-12.....	P148	GD19292.....	P35	GD20593.....	P122
GD1512.....	P273	GD17151-06.....	P146	GD19295.....	P210	GD20595.....	P122
GD1514.....	P262	GD17151-20.....	P66	GD19333.....	P26	GD20599.....	P106
GD1514.....	P264	GD17156.....	P148	GD19343.....	P140	GD20695.....	P184
GD1515.....	P262	GD17156.....	P148	GD19343.....	P238	GD20696.....	P118
GD1515.....	P264	GD1719.....	P54	GD19344.....	P140	GD20697.....	P184
GD1516.....	P262	GD17245.....	P112	GD19344.....	P238	GD20718.....	P190
GD1516.....	P264	GD1747.....	P244	GD19383-02.....	P118	GD20719.....	P190
GD1517.....	P262	GD18010.....	P146	GD19383-03.....	P72	GD20722.....	P62
GD1517.....	P264	GD18010.....	P148	GD19422.....	P246	GD20728.....	P110
GD15698.....	P26	GD18011.....	P52	GD19423.....	P246	GD20756.....	P106
GD15699.....	P28	GD18011.....	P148	GD19440.....	P191	GD20757.....	P264
GD15725.....	P112	GD18013.....	P210	GD19460.....	P63	GD20923.....	P94
GD15804.....	P66	GD18014.....	P120	GD19468.....	P112	GD20928.....	P82
GD15804.....	P82	GD18078.....	P148	GD19469.....	P63	GD21080.....	P90
GD15849-02.....	P66	GD18084.....	P148	GD19470.....	P63	GD21080.....	P92
GD15849-02.....	P82	GD18112.....	P147	GD19491.....	P151	GD21142.....	P151
GD15867-04.....	P69	GD18114.....	P120	GD19508.....	P102	GD21143.....	P151
GD15867-04.....	P70	GD18115.....	P120	GD19508.....	P104	GD2115.....	P262

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GD2115	P264	GD26025	P238	GD30697	P174	GD3537-20	P113
GD2117	P246	GD26146	P16	GD30725	P12	GD35381	P74
GD2117	P264	GD26593	P30	GD30725	P38	GD35404	P226
GD2117	P273	GD26598	P236	GD30725	P40	GD35404	P227
GD21278	P66	GD2681	P249	GD30860	P174	GD35444	P12
GD21278	P82	GD26876	P154	GD30880	P174	GD35459	P42
GD21300	P82	GD26970	P58	GD30881	P174	GD3547	P262
GD21337	P8	GD26970	P60	GD30882	P82	GD3547	P264
GD21398	P240	GD26973	P38	GD30902	P144	GD35471	P46
GD21540	P154	GD26973	P40	GD30903	P144	GD35472	P46
GD2169	P114	GD2721	P106	GD31424	P62	GD35493	P224
GD2169	P126	GD2721	P150	GD31424	P69	GD35572	P226
GD2199	P136	GD2721	P152	GD31424	P70	GD35572	P227
GD2199	P273	GD2721	P262	GD31466	P236	GD35784-01	P28
GD22686	P278	GD27232	P177	GD31485	P206	GD35791	P224
GD22965	P206	GD27232	P177	GD31511	P151	GD35792	P224
GD22968	P220	GD27234	P169	GD3180-10	P238	GD35835	P198
GD22974	P220	GD27234	P176	GD3180-30	P6	GD35844	P94
GD22974	P224	GD27235	P171	GD3180-30	P52	GD35857	P94
GD22975	P220	GD27235	P172	GD3180-34	P150	GD35858	P102
GD23002	P169	GD27235	P174	GD32092	P206	GD35858	P104
GD23773	P22	GD2734-08	P238	GD32368	P110	GD35904-01	P58
GD23774	P10	GD27607	P94	GD33758	P224	GD35904-01	P60
GD23774	P56	GD27654	P206	GD33759	P224	GD3612	P4
GD23995	P6	GD2829	P206	GD33962	P88	GD3612	P50
GD2412	P240	GD28390	P4	GD34021-02	P28	GD3623	P244
GD2423	P32	GD28631	P30	GD34178	P129	GD3623	P246
GD24386	P94	GD29318	P199	GD34178	P134	GD36264	P17
GD24545	P4	GD29319	P199	GD34179	P128	GD36277	P32
GD24545	P46	GD29339	P100	GD34774	P30	GD36709	P14
GD24754	P94	GD29413	P102	GD34779	P186	GD36713	P14
GD24879-01	P94	GD29413	P104	GD34922	P122	GD36756	P198
GD25009	P227	GD29459	P46	GD34923	P231	GD36856	P12
GD25189	P150	GD2947	P32	GD34923	P262	GD36860	P12
GD2548-15.5	P241	GD29507	P20	GD34923	P264	GD36866	P156
GD25522	P68	GD29651	P171	GD3501	P110	GD36866	P162
GD25522	P68	GD29657	P30	GD35127	P111	GD36922	P26
GD25522	P78	GD2971-09	P110	GD35211	P58	GD36990	P12
GD25522	P80	GD2971-10	P32	GD35211	P60	GD37001	P94
GD25522	P162	GD2971-21	P62	GD35230	P58	GD37002	P94
GD25568	P46	GD2971-24	P56	GD35230	P60	GD37049	P90
GD25569	P46	GD2971-26	P62	GD35231	P58	GD37050	P90
GD2558	P122	GD2971-31	P12	GD35231	P60	GD3860	P206
GD2558	P128	GD29798	P4	GD35271	P200	GD3951	P244
GD2558	P136	GD29798	P102	GD35271	P201	GD3951	P246
GD2558	P139	GD2984	P264	GD35274-01	P94	GD4086	P68
GD2558	P237	GD2984	P273	GD35294	P82	GD4086	P78
GD2558	P250	GD30263	P169	GD35314	P199	GD4086	P80
GD25644	P82	GD30264	P169	GD35339	P111	GD4086	P162
GD2597	P154	GD30401	P176	GD35340	P111	GD4700	P137
GD26024	P150	GD30696	P174	GD3537-11	P113	GD4701	P137
GD26024	P238	GD30697	P172	GD3537-12	P113	GD4743	P62

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GD4743	P106	GD7612	P140	GD9130	P126	GR0196	P104
GD4743	P120	GD7803	P35	GD9131	P240	GR0200	P250
GD4743	P148	GD7804	P35	GD9132	P240	GR0200	P250
GD4743	P152	GD7817-05	P250	GD9254	P35	GR0204	P250
GD4743	P190	GD7817-18	P46	GD9529	P196	GR0267	P250
GD4743	P198	GD7831	P250	GD9529	P196	GR0270	P134
GD4887-17	P139	GD7848	P240	GD9529	P205	GR0367	P123
GD4887-17	P142	GD7864	P128	GD9530	P196	GR0375	P126
GD5154	P113	GD7866	P237	GD9530	P196	GR0434	P134
GD5212	P137	GD7867	P241	GD9530	P205	GR0528	P128
GD5212	P139	GD7883	P113	GD9533	P186	GR0586	P208
GD5804	P113	GD7889	P142	GD9636	P126	GR0594	P208
GD5841	P122	GD7900	P231	GD9667	P144	GR0664	P26
GD5841	P134	GD7904-02	P118	GD9671	P144	GR0761	P196
GD5857	P110	GD7904-02	P232	GD9672	P144	GR0761	P200
GD5857	P120	GD7907	P232	GD9695	P46	GR0761	P201
GD5857	P136	GD7907	P262	GD9724	P38	GR0763	P196
GD5857	P139	GD7907	P264	GD9724	P40	GR0764	P186
GD5857	P142	GD7908	P231	GD9870	P118	GR0764	P187
GD5857	P238	GD7908	P262	GD9896	P206	GR0764	P191
GD5875	P110	GD7908	P264	GD9898	P118	GR0764	P196
GD5875	P114	GD7912	P232	GD9905	P187	GR0880	P252
GD5875	P126	GD7962	P231	GD9952	P116	GR0881	P252
GD5875	P129	GD8066-02	P186	GD9955	P118	GR0882	P247
GD5886	P241	GD8188	P110	GD9955	P118	GR0882	P252
GD6279-05	P194	GD8188	P114	GD9956	P118	GR0883	P247
GD6279-06	P82	GD8188	P114	GD9959	P113	GR0883	P252
GD6291	P72	GD8188	P116	GD9960	P110	GR0912	P54
GD6291	P206	GD8189	P110	GD9963	P118	GR0912	P137
GD6291	P17	GD8189	P114	GD9964	P118	GR0912	P139
GD6553	P231	GD8189	P114	GD9964	P118	GR0912	P142
GD6556	P110	GD8189	P116	GD9968	P118	GR0912	P237
GD6775	P137	GD8224	P232	GD9969	P136	GR0912	P238
GD6780	P139	GD8238	P231	GD9971	P182	GR0912	P120
GD6895	P137	GD8239	P232	GD9971	P184	GR1015	P244
GD7079	P128	GD8247	P231	GD9977	P186	GR1015	P246
GD7089	P128	GD8260	P109	GD9981	P152	GR1015	P262
GD7127	P139	GD8276	P232	GM0303-01	P277	GR1015	P264
GD7127	P237	GD8306	P54	GM0303-02	P277	GR1016	P244
GD7137	P110	GD8306	P88	GPR1094	P277	GR1016	P246
GD7145	P129	GD8460	P16	GR0146MPP	P276	GR1016	P262
GD7147	P180	GD8739	P205	GR0150	P154	GR1016	P264
GD7148	P34	GD8739	P226	GR0151	P154	GR1017	P244
GD7251	P110	GD8740	P205	GR0188	P231	GR1017	P246
GD7258	P34	GD8741	P205	GR0190	P250	GR1017	P262
GD7318	P21	GD8751	P208	GR0193	P123	GR1017	P264
GD7318	P22	GD8770	P208	GR0193	P126	GR1018	P244
GD7426	P140	GD8771	P208	GR0195	P250	GR1018	P246
GD7426	P237	GD8778	P28	GR0196	P8	GR1018	P262
GD7426	P238	GD8893-01	P56	GR0196	P32	GR1018	P264
GD7518	P110	GD8893-07	P111	GR0196	P46	GR1019	P244
GD7519	P110	GD9120	P16	GR0196	P102	GR1019	P246

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GR1019	P262	GR1045	P194	GR1364	P206	GR1535	P258
GR1019	P264	GR1045	P78	GR1405	P54	GR1540	P258
GR1037	P78	GR1045	P78	GR1406	P54	GR1541	P258
GR1037	P114	GR1045	P80	GR1407	P54	GR1542	P258
GR1037	P126	GR1045	P80	GR1408	P54	GR1543	P256
GR1037	P126	GR1045	P195	GR1409	P54	GR1543	P258
GR1037	P150	GR1104	P256	GR1410	P54	GR1544	P258
GR1037	P158	GR1112	P256	GR1411	P54	GR1545	P258
GR1037	P178	GR1116	P256	GR1412	P54	GR1557	P54
GR1037	P180	GR1118	P256	GR1413	P54	GR1557	P54
GR1037	P182	GR1120	P256	GR1414	P215	GR1557	P140
GR1037	P182	GR1122	P250	GR1415	P215	GR1557	P140
GR1037	P184	GR1123	P256	GR1465	P150	GR1557	P241
GR1037	P184	GR1124	P256	GR1465	P174	GR1557	P241
GR1037	P184	GR1134	P256	GR1465	P180	GR1557	P241
GR1037	P186	GR1146	P250	GR1465	P201	GR1559	P258
GR1037	P186	GR1146	P256	GR1465	P169	GR1561	P258
GR1037	P186	GR1290	P206	GR1466	P66	GR1566	P258
GR1037	P186	GR1292	P206	GR1466	P66	GR1567	P258
GR1037	P186	GR1293	P54	GR1466	P74	GR1568	P258
GR1037	P187	GR1293	P54	GR1466	P80	GR1569	P26
GR1037	P187	GR1293	P140	GR1466	P80	GR1570MPP	P276
GR1037	P190	GR1293	P140	GR1466	P81	GR1573	P172
GR1037	P199	GR1293	P241	GR1466	P108	GR1574	P258
GR1037	P78	GR1293	P241	GR1466	P108	GR1575	P258
GR1037	P80	GR1294	P54	GR1466	P108	GR1598	P177
GR1037	P122	GR1294	P54	GR1466	P186	GR1598	P177
GR1037	P122	GR1294	P140	GR1466	P186	GR1708	P244
GR1037	P160	GR1294	P140	GR1466	P186	GR1708	P246
GR1037	P169	GR1294	P241	GR1466	P187	GR1709	P244
GR1037	P170	GR1294	P241	GR1466	P193	GR1709	P246
GR1037	P171	GR1295	P54	GR1466	P193	GR1736	P66
GR1037	P172	GR1295	P140	GR1466	P194	GR1736	P82
GR1037	P174	GR1295	P241	GR1466	P199	GR1762	P208
GR1037	P176	GR1296	P54	GR1466	P76	GR1763	P208
GR1037	P186	GR1296	P140	GR1466	P191	GR1777	P66
GR1037	P190	GR1296	P241	GR1467	P72	GR1777	P82
GR1037	P190	GR1297	P54	GR1467	P74	GR1777	P88
GR1037	P191	GR1297	P140	GR1467	P82	GR1777	P66
GR1037	P191	GR1297	P241	GR1467	P108	GR1777	P82
GR1037	P195	GR1298	P54	GR1467	P108	GR1778	P148
GR1045	P66	GR1298	P140	GR1467	P108	GR1786	P108
GR1045	P81	GR1301	P54	GR1467	P184	GR1790	P120
GR1045	P184	GR1301	P140	GR1467	P184	GR1796	P256
GR1045	P186	GR1301	P241	GR1467	P194	GR1798	P256
GR1045	P186	GR1303	P144	GR1467	P194	GR1800	P256
GR1045	P187	GR1304	P144	GR1467	P78	GR1801	P256
GR1045	P187	GR1305	P144	GR1519	P180	GR1803	P256
GR1045	P187	GR1306	P144	GR1522	P176	GR1804	P256
GR1045	P187	GR1363	P146	GR1524	P170	GR1805	P256
GR1045	P193	GR1363	P206	GR1526	P178	GR1806	P256
GR1045	P194	GR1364	P146	GR1533	P258	GR1808	P256

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GR1834	P108	GR2314	P193				
GR1839	P216	GR2333	P66				
GR1842MPP	P277	GR2333	P193				
GR1843	P148	GR2334	P276				
GR1846	P191	GR2335	P276				
GR1848	P26	GR2361	P198				
GR1917	P247	GR2362	P181				
GR1918	P247	GR2363	P181				
GR1921	P148	GR2368	P198				
GR1923	P203	R2282	P181				
GR1925	P169						
GR1939	P191						
GR1941	P244						
GR1941	P246						
GR1943	P147						
GR1951	P148						
GR1960	P82						
GR1961	P82						
GR1965	P82						
GR1966	P82						
GR1967	P82						
GR1968	P82						
GR1969	P82						
GR1977	P82						
GR1978	P82						
GR1979	P82						
GR1979	P82						
GR2000	P81						
GR2011	P256						
GR2025	P107						
GR2041	P186						
GR2041	P191						
GR2041	P194						
GR2041	P195						
GR2043	P190						
GR2109	P82						
GR2127MPP	P276						
GR2152	P109						
GR2153	P109						
GR2154	P26						
GR2185	P256						
GR2217	P277						
GR2224	P171						
GR2230	P174						
GR2233	P148						
GR2234	P174						
GR2240MPP	P277						
GR2241MPP	P277						
GR2287	P200						
GR2287	P201						
GR2314	P66						
GR2314	P66						