

MODEL 3505 PIVOT FOLD PLANTER PARTS MANUAL

M0302-02

Rev. 8/25

This manual is applicable to: Model: 3505 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 Force Springs Option	P7
Ag Leader Electric Clutch	P9
Blue Drive Row Unit	P11
15" Seed Opener Disc Blade/Bearing Assembly and Scrapers	P13
Gauge Wheels	P15
"V" Closing Wheels	P17
Hopper Support and Meter Drive	P19
Row Unit Idler	P21
Seed Hopper and Lid	P22
Finger Pickup Seed Meter	P23
Brush-Type Seed Meter 2.0	P25
Vacuum Seed Meter	P27
Granular Chemical	P29
Granular Chemical Hopper and Hopper Panel Extension	P31
Granular Chemical Meter and Meter Drive	P32
Row Unit Mounted No Till Coulter	P34
Coulter Mounted Residue Wheels	P35
Coulter Mounted Residue Wheel W/Treader	P37
True Speed Row Unit	P39
True Speed Seed Delivery System W/Driver	P41
True Speed Seed Delivery System Assembly	P43
True Speed Seed Meter	P47
True Speed Meter Housing	P49
True Speed Meter Cover	P51
True Speed Mini-Hopper	P53

SPLIT ROW

Push Row Unit Assembly	P55
Parallel Arms and Face Plate (Split Row)	P57
Shank and Depth Adjustment (Split Row)	P59
Pneumatic Down Pressure Package (Split Row)	P63
Interplant Push Row Unit Drive	P65
Clutch Sprocket Assembly	P67
Split Row Blue Drive	P69
Split Row True Speed	P71

VACUUM SYSTEM

Vacuum Fan Assembly, 6 Row	P73
Vacuum Fan Assembly, 8 Row (Bulk Fill)	P75
Vacuum Fan Assembly, 8 Row (Blue Drive)	P77
Vacuum Fan Hydraulic Components, 6 Row	P79

Vacuum Fan Hydraulic Components, 8 Row	P81
Vacuum Fan Hydraulic Motor Assembly, 6 Row	P83
Optional Flow Control Needle Valve Kit	P84
Vacuum Fan Motor Valve Block Assembly (Located Below Vacuum Fan Motor Assembly), 6 Row	P85
Manifolds and Distribution Hoses, 6 Row	P87
Manifolds and Distribution Hoses, 8 Row	P89

BULK FILL

Bulk Fill Fan Mounts and Catwalk	P91
Bulk Fill Fan Manifold	P93
Bulk Fill Fan Hydraulic Components (Mechanical)	P95
Bulk Fill Fan Hydraulic Components (Vacuum)	P97
Bulk Fill Fan System, Bulk Fill	P99
Bulk Fill Fan System, Blue Drive	P100
Bulk Fill Distribution Hoses	P101
Even-Row	P101
Bulk Fill Distribution Hoses	P102
Entrainer Assembly (2021-2025 Production)	P103
Bulk Fill Tank Assembly	P107
Bulk Fill Scale Package (2023 Production and On)	P109
Mechanical Row Unit, Bulk Fill	P111
Vacuum Row Unit, Bulk Fill	P113
Split Row Unit, Bulk Fill	P115

BASE MACHINE

Inner Hitch	P117
Safety Chain	P118
2-Point Hitch Option	P119
Outer Hitch	P121
Frame Assembly	P123
Axle/Pivot and Wheel Assembly	P126
Rock Guards	P129
Implement Switch	P130
Contact Wheel and Arm Assembly	P131
Driveline	P133
Seed Rate Transmission Assembly	P134
Pneumatic Down Pressure Control Box, Sending Unit, and Harnesses	P137
Pneumatic Down Pressure Air Compressor, Dual Solenoid Assembly, Tubing, and Fittings	P139
Row Marker Assembly, Two-Fold Low Profile, 6 Row 30" (Conventional)	P141
Row Marker Assembly, Two-Fold Low Profile, 8 Row 30" (Conventional)	P143
Row Marker W/Mounts, 8 Row 30" (Bulk Fill)	P145
Row Marker Assembly, 8 Row 30" (Bulk Fill)	P147
Row Marker Spindle/Hub/Blade	P149

HYDRAULICS

Planter Hydraulic System, Row Hoppers (6 Row)	P151
Planter Hydraulic System, Row Hoppers (8 Row)	P153
Planter Hydraulic System, Bulk Fill	P155
Planter Hydraulic System, Blue Drive	P157
Planter Hydraulic System, True Depth	P161
PTO Pump Drive and Oil Cooler Option, 6 Row	P163
PTO Pump Drive and Oil Cooler - Single Stage, 8 Row	P166
PTO Pump Drive and Oil Cooler - Dual Stage, 8 Row	P169
PTO Pump Drive and Oil Cooler Schematic - Dual Stage, 8 Row	P171
Hydraulic Down Force Hoses and Fittings, 8 Row Pull Units (True Rate/Bulk Fill/Blue Drive)	P173
Hydraulic Down Force Hoses and Fittings, 8 Row Push Units (True Rate/Bulk Fill/Blue Drive)	P175
Rotation Cylinder	P177
Transport Latch Cylinder, All Sizes	P177
Lift Cylinder, Conventional	P179
Lift Cylinder, Bulk Fill	P181
Row Marker Cylinder	P183
Stroke Limiter Valve, Bulk Fill	P185
Hydraulic Down Force Cylinder	P187
Down Force Manifold Block	P188
Selector Valve	P189
Stroke Limiter Valve, Conventional	P189
Row Marker Sequencing/Flow Control Valve	P190
Bulk Fill/Vacuum Anti-Cavitation Check Valve Block	P191
Row Unit Control Block, Pull Row Units	P192
Row Unit Control Block, Push Row Units	P193
PTO Pump Hydraulic Valve Block (Bulk Fill/Blue Drive)	P194
PTO Pump Block Assembly	P195
Vacuum Valve Block, Blue Drive	P196
Blue Drive Bulk Fill Fan Block	P197
PTO Pump Block Assembly	P198
Power Pack Hydraulic Motor Valve Block	P198

ELECTRONICS

Electrical Components	P199
LED Work Lights	P201
KPM III Electronic Seed Monitor	P203
Ag Leader PMM	P205
Ag Leader Electric Clutch	P207
InCommand Display	P208
Ag Leader Interconnect Schematic	P209
Shaft Rotation Sensor	P211

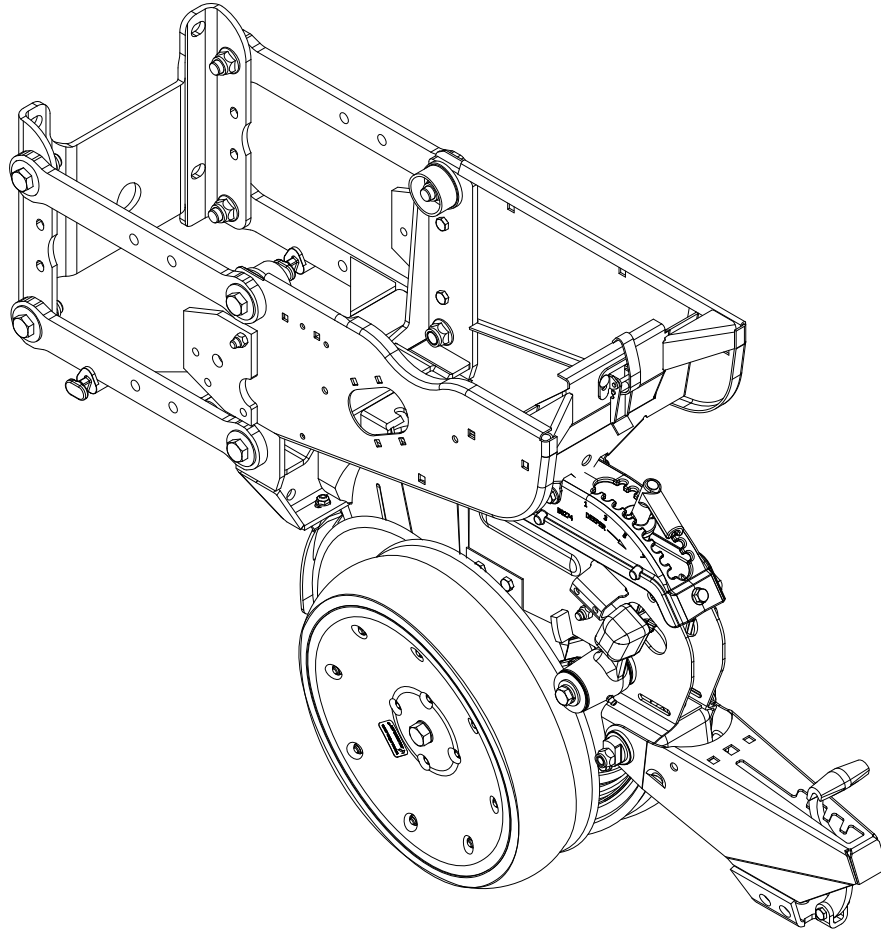
Blue Drive Interconnect Schematic (True Rate)	P213
Blue Drive Ethernet Interconnect Schematic (True Rate)	P217
Blue Drive Interconnect Schematic (True Speed)	P219
Blue Drive Ethernet Interconnect Schematic (True Speed)	P223
Power Pack Assembly	P225
Blue Vantage Display	P229
Vacuum/Bulk Fill Pressure Sensor, Ground Contact Drive	P231
Vacuum/Bulk Fill Pressure Sensor, Blue Drive	P233
Camera	P235
PTO Package Electrical Schematic	P237

FERTILIZER

HD Single Disc Fertilizer Opener (Blade and Drop Tube)	P239
Notched Single Disc Fertilizer Opener	P241
Depth/Gauge Wheel Attachment for Notched Single Disc Fertilizer Opener	P245
Dry Fertilizer Transmission Assembly	P247
Dry Fertilizer Hopper and Mounts	P251
Liquid Fertilizer Tanks, Saddles, Mounts, Hoses, and Fittings	P253
Liquid Fertilizer Piston Pump Mounting Brackets and Driveline	P255
Liquid Fertilizer Piston Pump Uses 18 Tooth Sprocket	P257
Liquid Fertilizer Piston Pump Flow Divider	P259
Liquid Fertilizer Tube In Furrow	P261
Rear Trailer Hitch	P263

DECALS, PAINT, AND MISCELLANEOUS . . . P265**NUMERICAL INDEX P278**

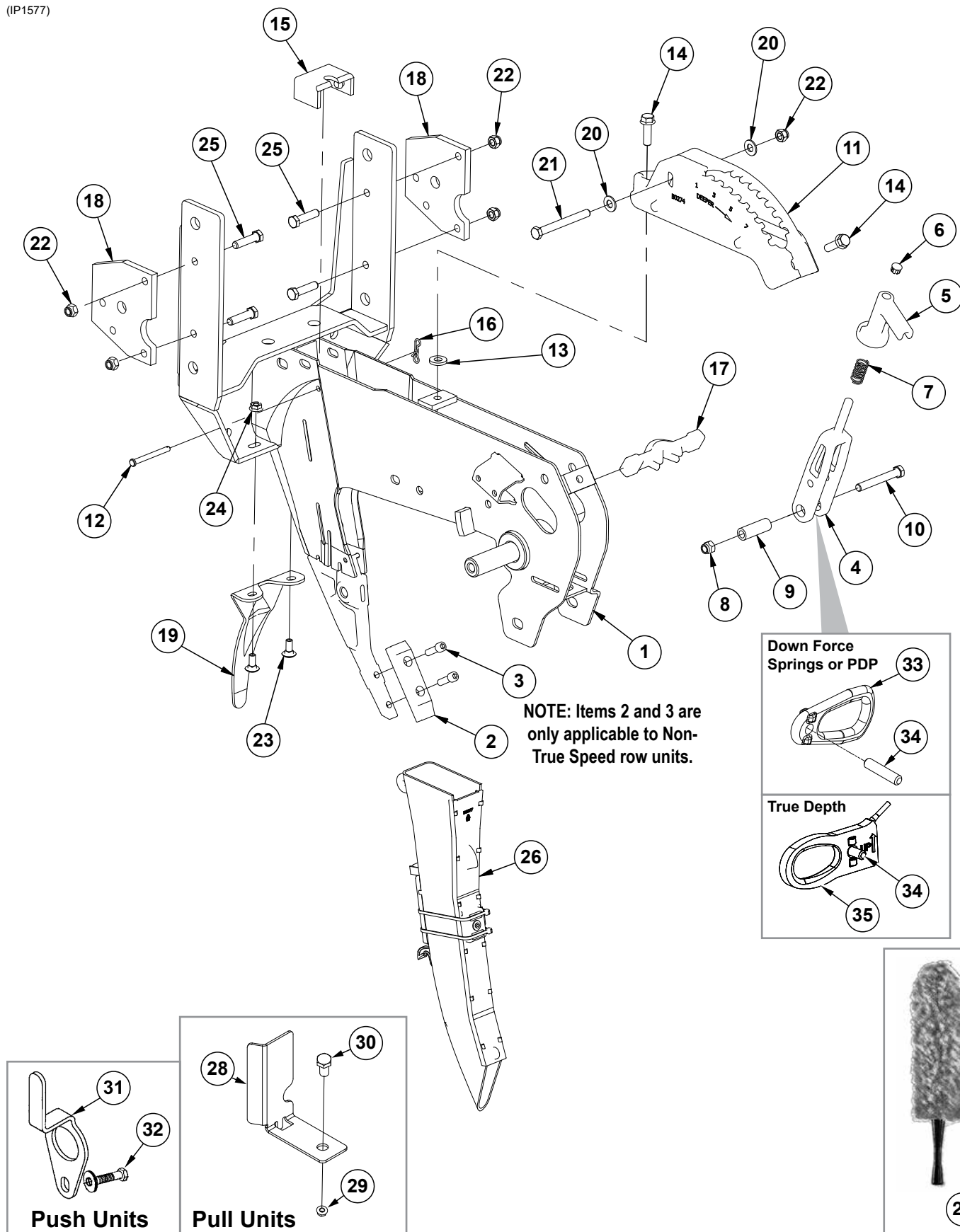
NOTE: Row unit assembly does not include the following: seed meter assembly, seed tube assembly, row unit hopper assembly, closing wheels, or seed meter clutch.



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
3	G10920X	1	Pull Row Unit Assembly, Standard Gauge Wheel (True Speed)
4	G10921X	1	Pull Row Unit Assembly, Spiked Gauge Wheel (True Speed)

This page left blank intentionally.

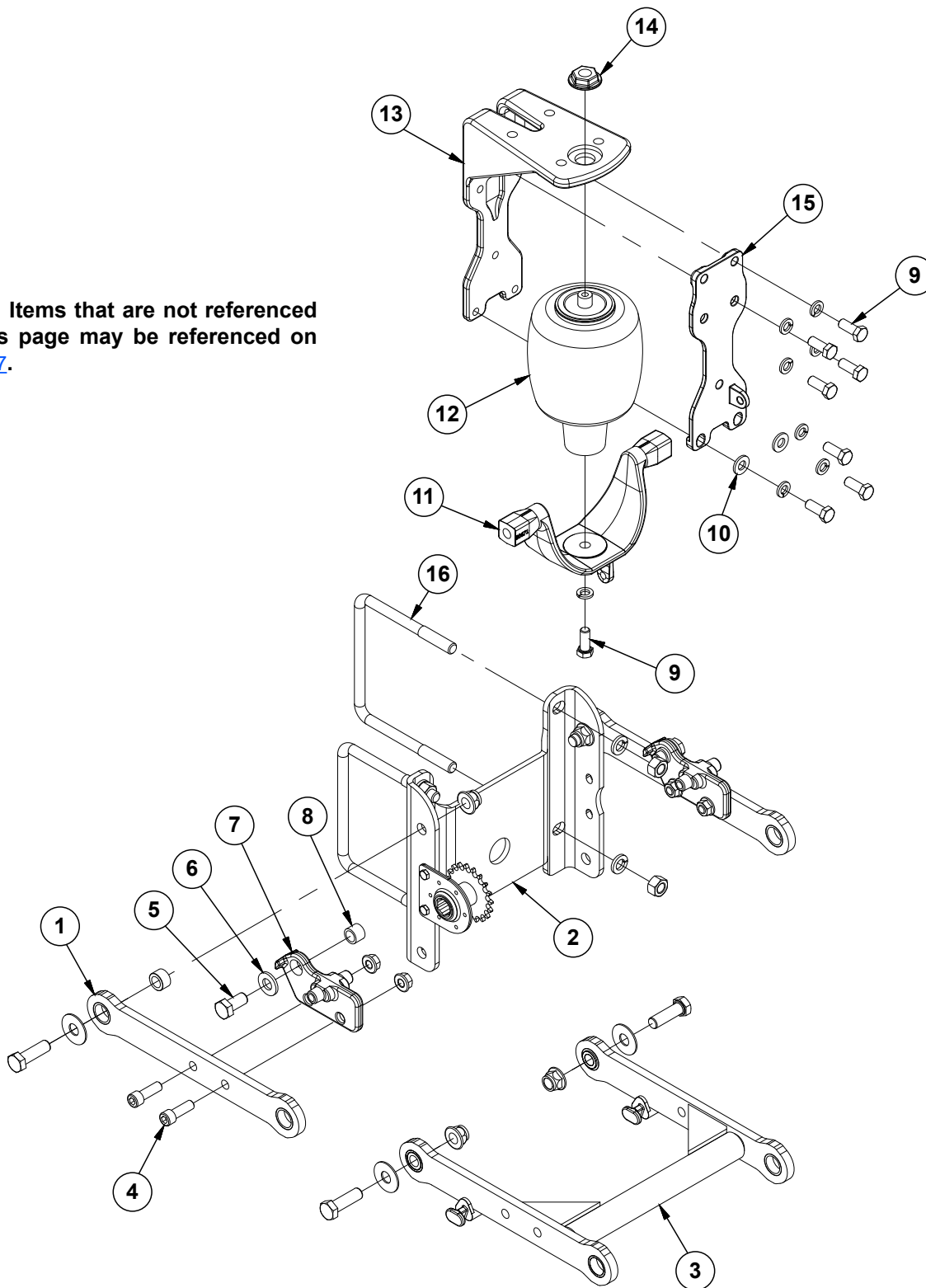
(IP1577)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GA10157	1	Shank W/Gauge Wheel Pivot Spindle and Set Screw (Non-True Speed)
	G10258402	1	Shank W/Gauge Wheel Pivot Spindle and Set Screw (True Speed)
	GD11001	-	Spindle
	G10438	-	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"
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 ³ / ₃₂ " I.D. x .134" (If Applicable)
14	G11015	2	Hex Washer Head Cap Screw, 3/8"-16 x 1 1/4"
15	GD16245	1	Sun Shade (Rubber)
16	G10122301	1	Bow Tie Cotter Pin
17	GB0265	1	Pivot Link, Depth Adjustment
18	GD24545	2	Row Unit Stop
19	GD28390	1	Shield
20	G11387	2	Flat Washer, 3/8" SAE
21	G10061	1	Hex Head Cap Screw, 3/8"-16 x 3 1/2"
22	G10108	4	Lock Nut, 3/8"-16
23	G10312	2	Carriage Bolt, 5/16"-18 x 3/4"
24	G10620	2	Serrated Flange Nut, 5/16"-18
25	G10003	3	Hex Head Cap Screw, 3/8"-16 x 1 1/2"
26	G10745401	1	Seed Tube Assembly
27	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	1	Hex Head Cap Screw, 3/8"-16 x 1 3/4"
	G11387	2-3	Flat Washer, 3/8" SAE
	G10108	1	Lock Nut, 3/8"-16
33	GB0285	1	Row Unit Collar (Down Force Springs or PDP)
34	G10402701	1	Pin, 3/8" x 1 ² / ₃ "
35	GA27146	1	True Depth Load Link

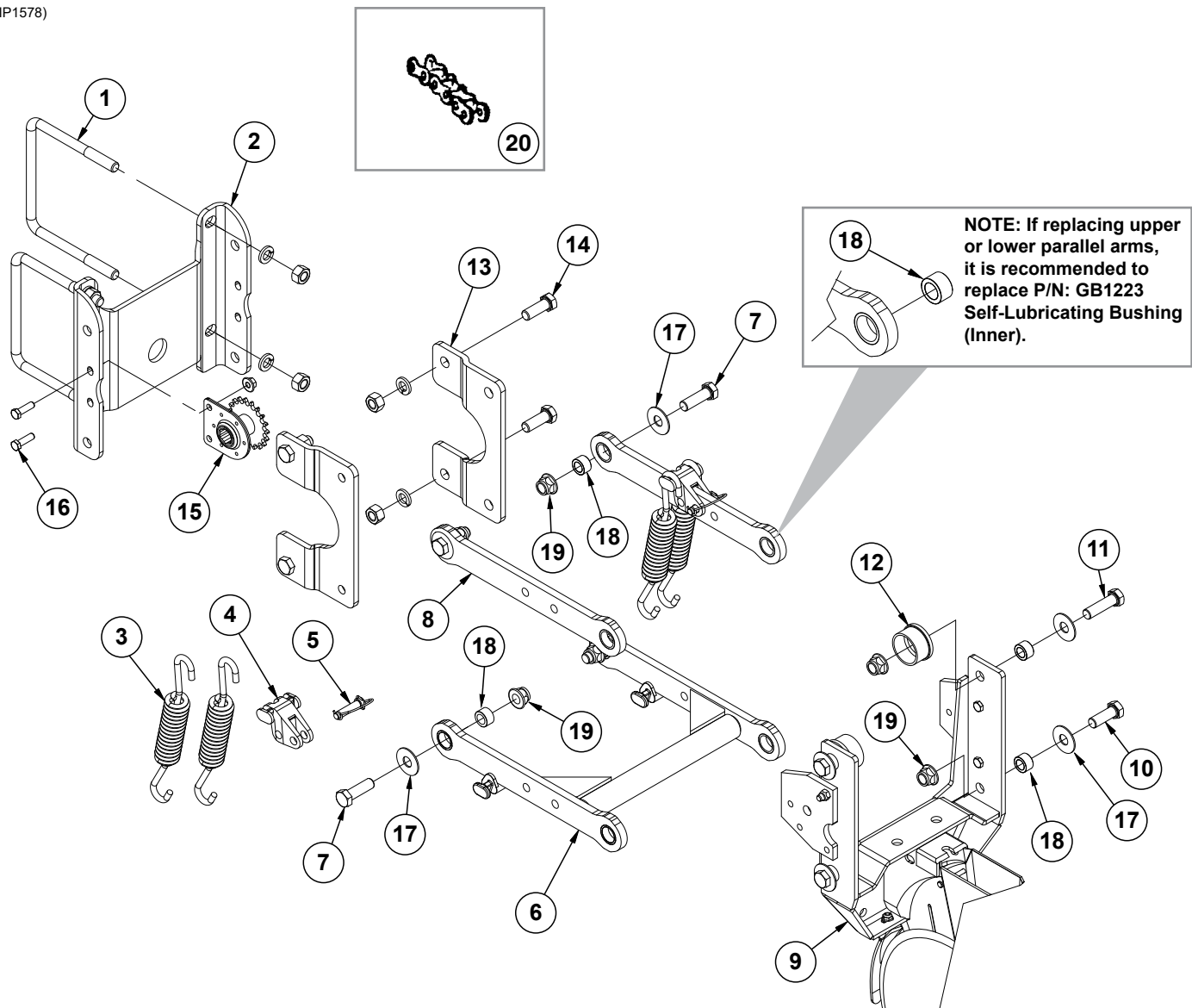
(IP1640)

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



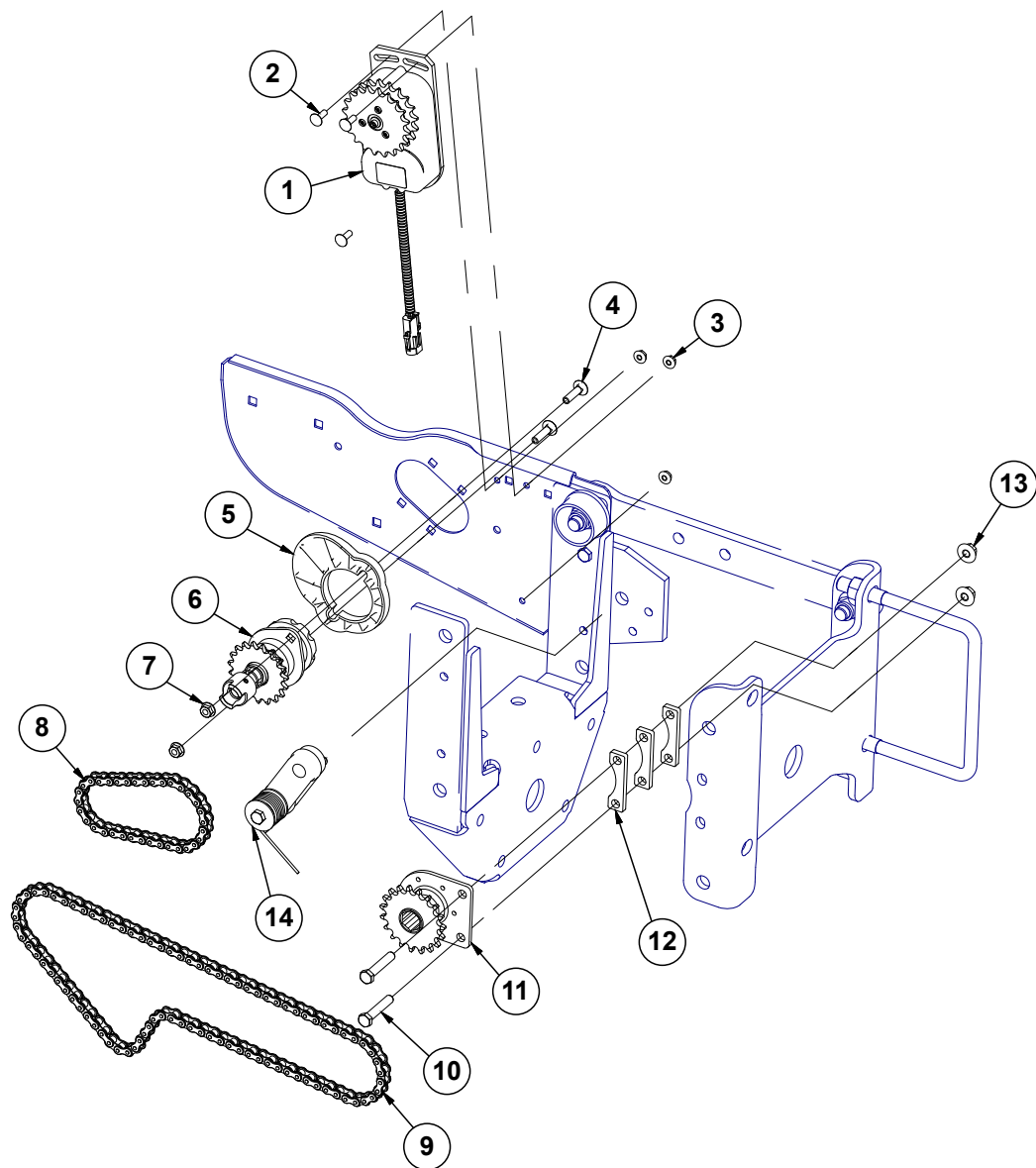
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	2	See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Force Springs Option" on page P7
2	GD10036	1	Mounting Support Plate
3	---	1	See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Force Springs Option" on page P7
4	G11220	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 Force Springs Option" on page P7

(IP1578)



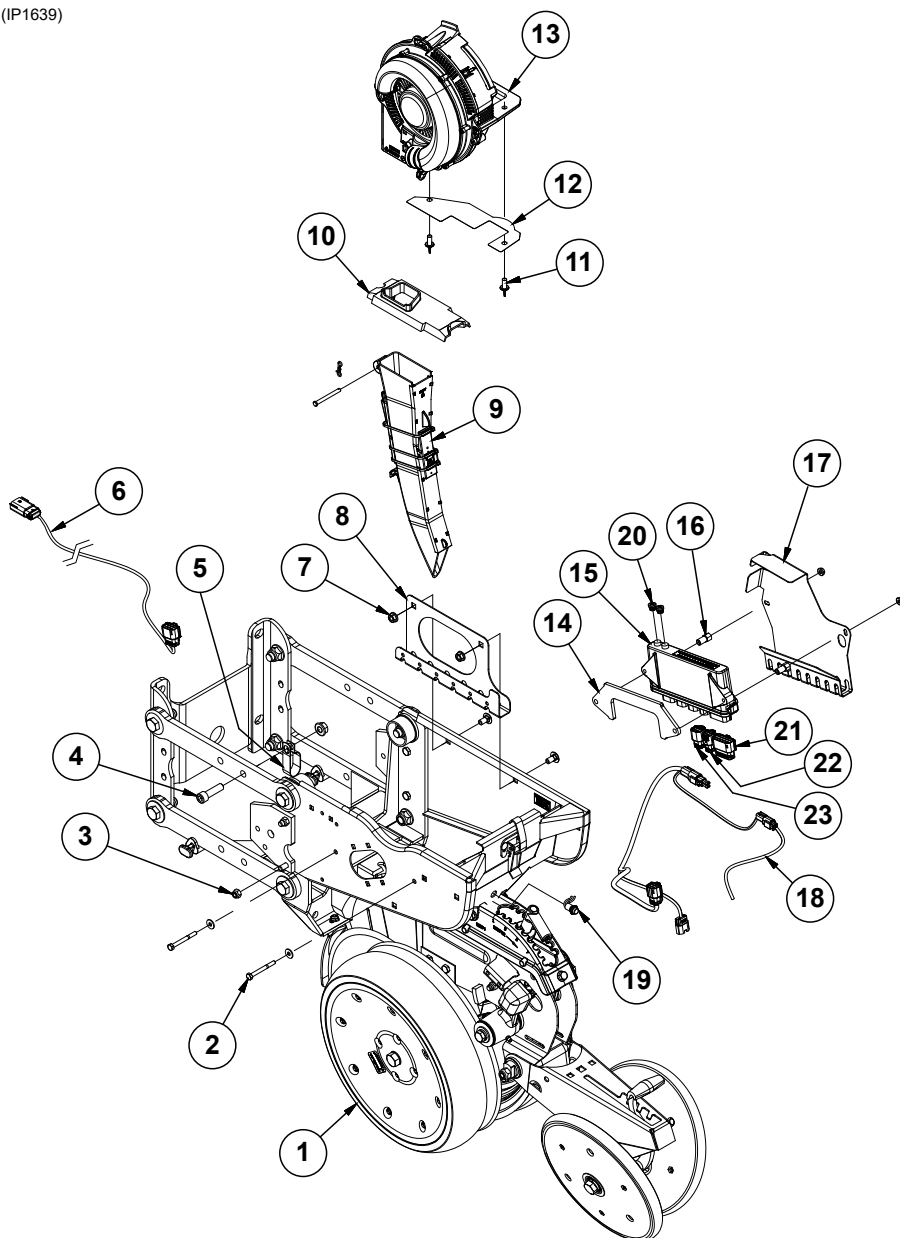
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GD1113	2	U-Bolt, 5" x 7" x 5/8"-11
	G10230	4	Lock Washer, 5/8"
	G10104	4	Hex Nut, 5/8"-11
2	GD10036	1	Mounting Support Plate
3	GD21337	4	Heavy Duty Down Pressure Spring
4	GB0186	2	Spring Anchor
5	GD14217	2	Tab Lock Pin, 7/16" x 1 1/2"
6	G10011201	1	Lower Parallel 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)
	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	G11013001	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	G10620	2	Serrated Flange 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" on page P21

(IP1639)

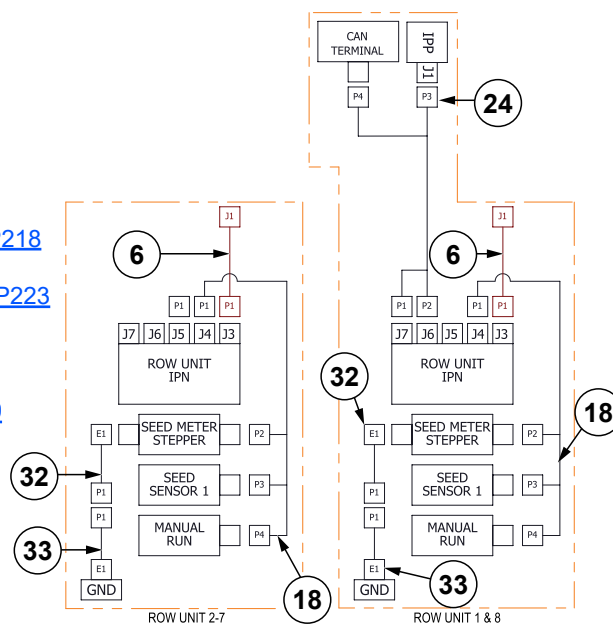
**For Additional Information:**

[See "Blue Drive Ethernet Interconnect Schematic \(True Rate\)" on page P218](#)

[See "Blue Drive Ethernet Interconnect Schematic \(True Speed\)" on page P223](#)

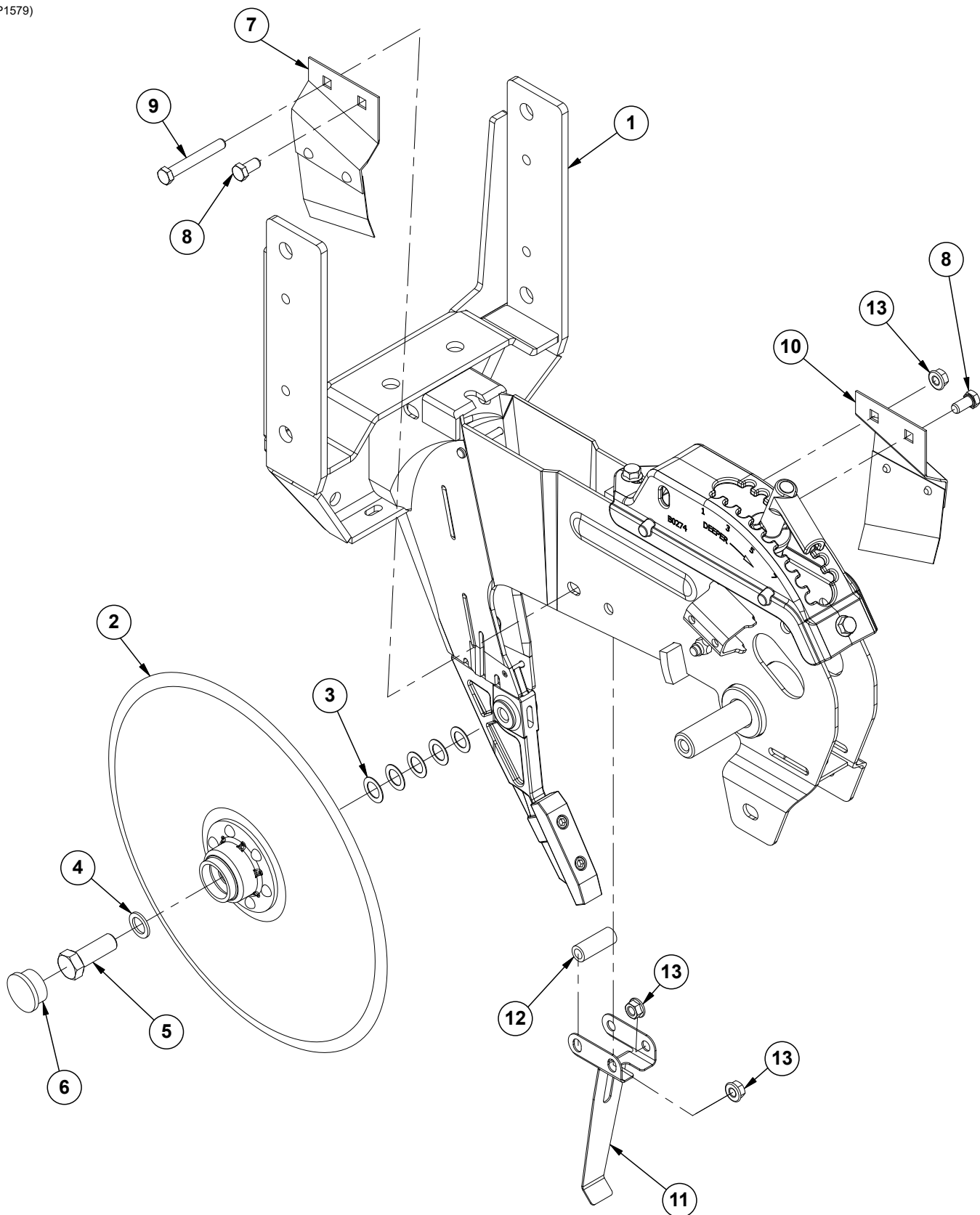
[See "Blue Drive Interconnect Schematic \(True Rate\)" on page P213](#)

[See "Blue Drive Interconnect Schematic \(True Speed\)" on page P219](#)



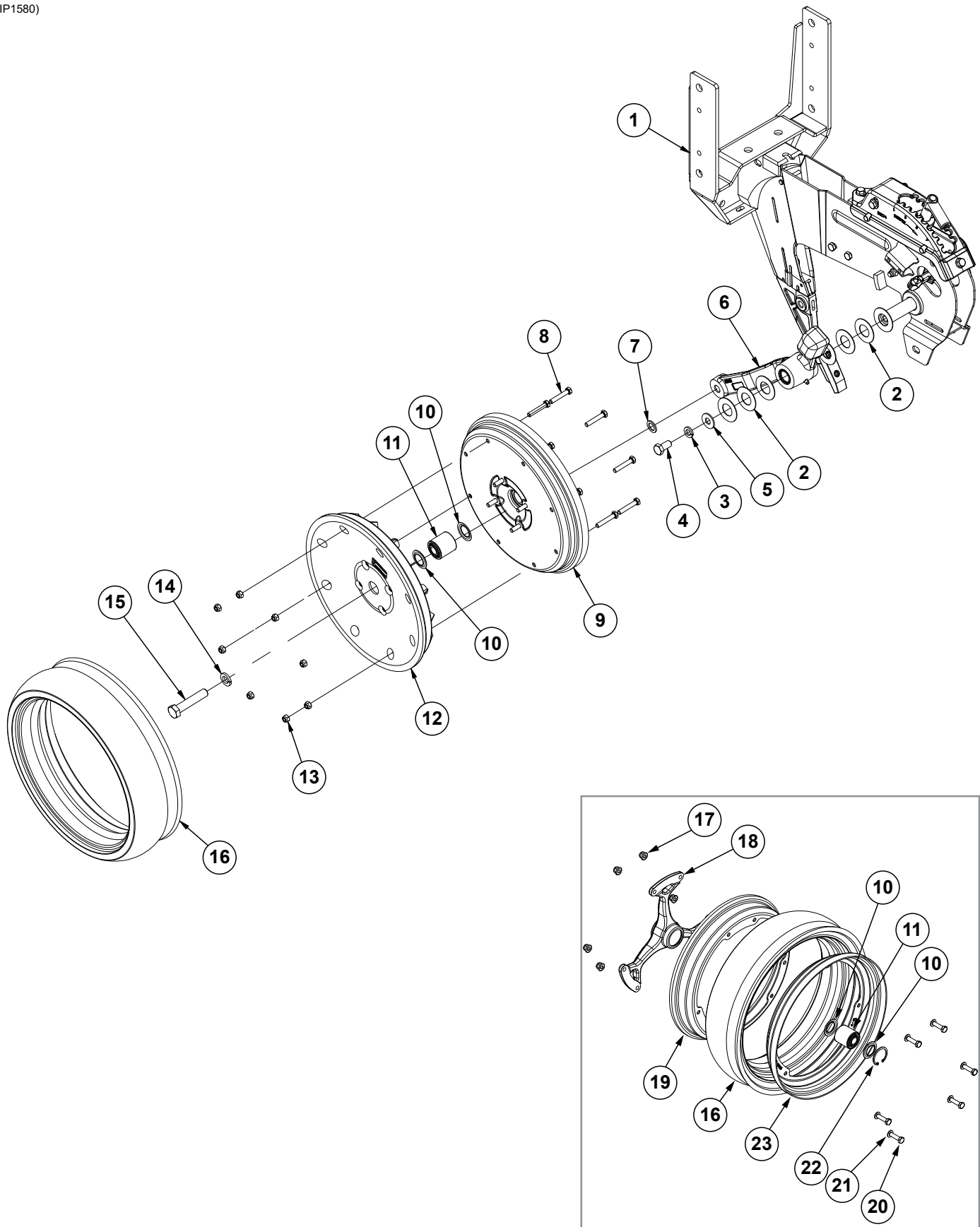
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	1	See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Force Springs Option" on page P7
2	G11958	2	Hex Head Cap Screw, 1/4"-20 x 2 1/2", Grade 5
	G10209	2	Washer, 1/4" USS
	G10621	2	Serrated Flange Nut, 1/4"-20
3	G10108	1	Lock Nut, 3/8"-16
	G10003	1	Hex Head Cap Screw, 3/8"-16 x 1 1/2"
4	G10116601	1	Hex Socket Head Cap Screw, 1/2"-13 x 1 3/4", Grade 8
	G10071	1	Serrated Flange Nut, 1/2"-13
5	GD36388	1	Double Tube Clamp, 1"
6	GA25029	1	Row Unit Power Extension Harness
7	G10622	2	Serrated Flange Nut, 3/8"-16
	G10308	2	Carriage Bolt, 3/8"-16 x 3/4"
8	GD35058	1	Row Unit Meter Wire Tray
9	GA20914	1	Seed Tube W/Computerized Sensor
	GA20902		Seed Tube (With Holes For Sensor Installation) (Included W/GA20914)
10	GB0926	1	Shank Cover
11	G11009	2	Locking Thumbscrew, 5/16"-18 x 3/4"
12	GD29413	1	Hopper Shim
13	---	1	See "Vacuum Seed Meter" on page P27
14	GD35629	1	IPN Row Unit Plate
15	GA25949	1	IPN Module Assembly
16	GD35609	2	Hex Standoff
17	G10146001	1	IPN Wire Shield
18	GA25038	1	Row Unit Seed Meter Harness
19	GA15485	1	Button
20	GD30726	2	Socket Dust Cover, M12
			See "Blue Drive Ethernet Interconnect Schematic (True Rate)" on page P218
			See "Blue Drive Ethernet Interconnect Schematic (True Speed)" on page P223
21	GD35838	1	Sealed Plug, MX150, 2 x 10, Key A W/CPA
22	GD35837	1	Sealed Plug, MX150, 2 x 3, Key A W/CPA
23	GD35836	1	Sealed Plug, MX150, 2 x 4, Key B W/CPA
24	GA25214	-	IPP Wing Harness
25	GA21687	-	IPP Module (Outside End Row Only)
26	GD35349	-	IPP Enclosure Bracket
27	G11213	-	Hex Socket Head Cap Screw, 1/4"-20 x 3/4"
	G10621	-	Serrated Flange Nut, 1/4"-20
28	GD35449	1	Double Tube Clamp, 1"
29	G10061	1	Hex Head Cap Screw, 3/8"-16 x 3 1/2"
	G11091	1	Serrated Flange Nut, 3/8"-16
30	GA26709	-	Integrated True Depth Row Unit Harness
31	GA25203	-	Row Unit Seed Meter Harness
32	GA20711	-	Seed Meter Motor ESD Drain Harness
33	GA21451	-	Seed Meter Motor ESD Drain Harness

(IP1579)



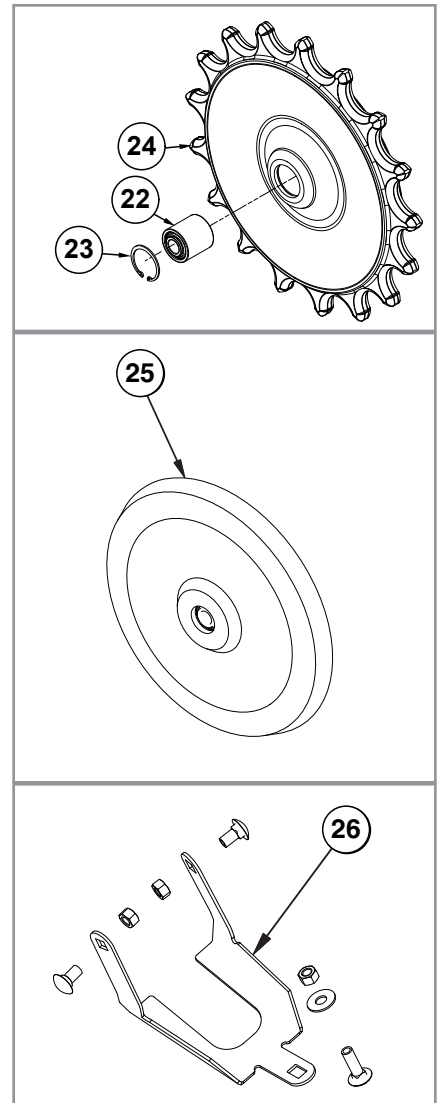
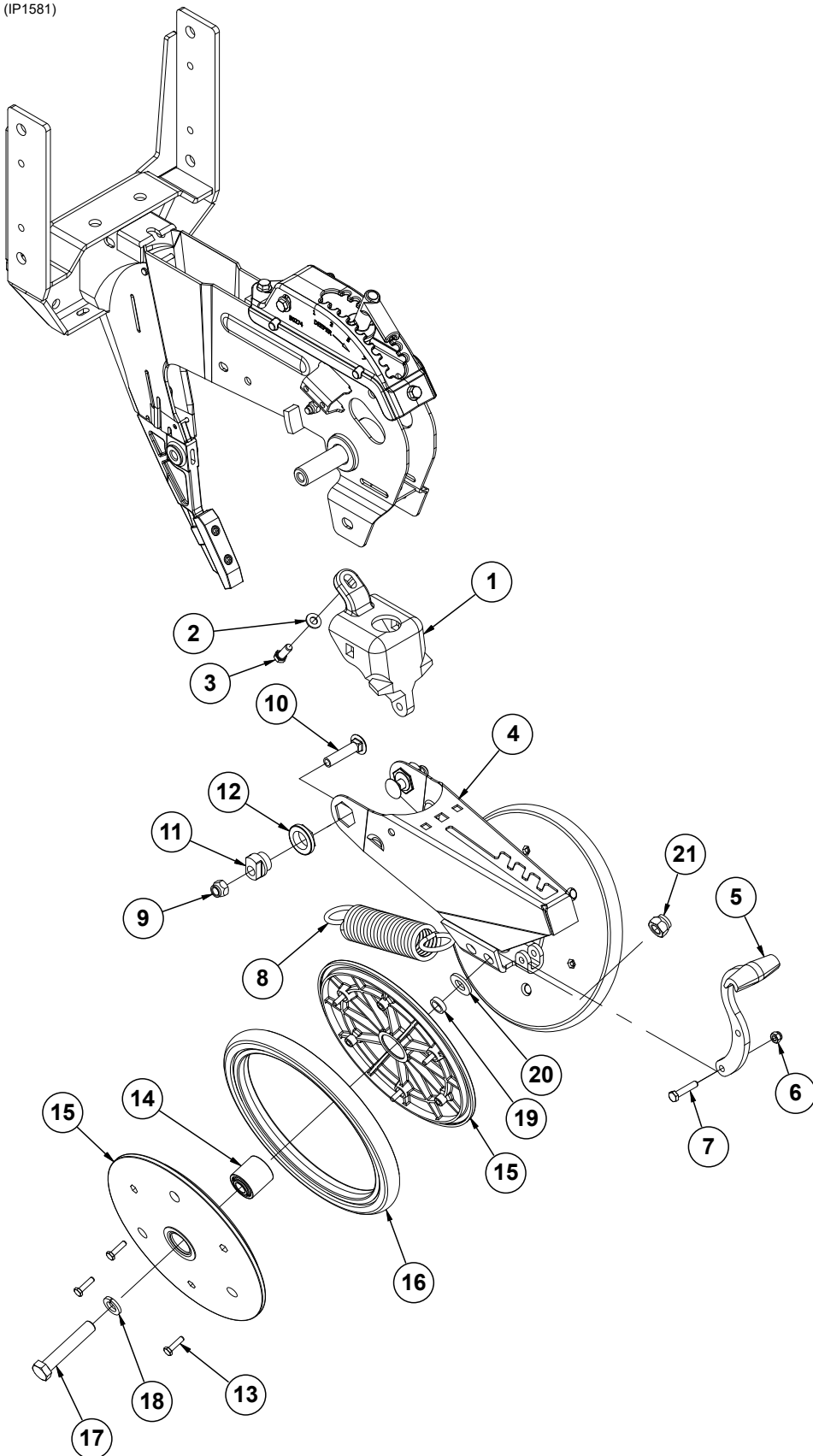
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	1	See "Shank Assembly, Seed Tube, and Depth Adjustment" on page P3
2	G10018801	2	Disc and Bearing Assembly
	GA26920	1	Bearing (Included W/G10018801)
	GD11306	1	Disc Blade, 3.5 mm x 15" (Included W/G10018801)
	GD36860	1	Bearing Housing (Included W/G10018801)
	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)



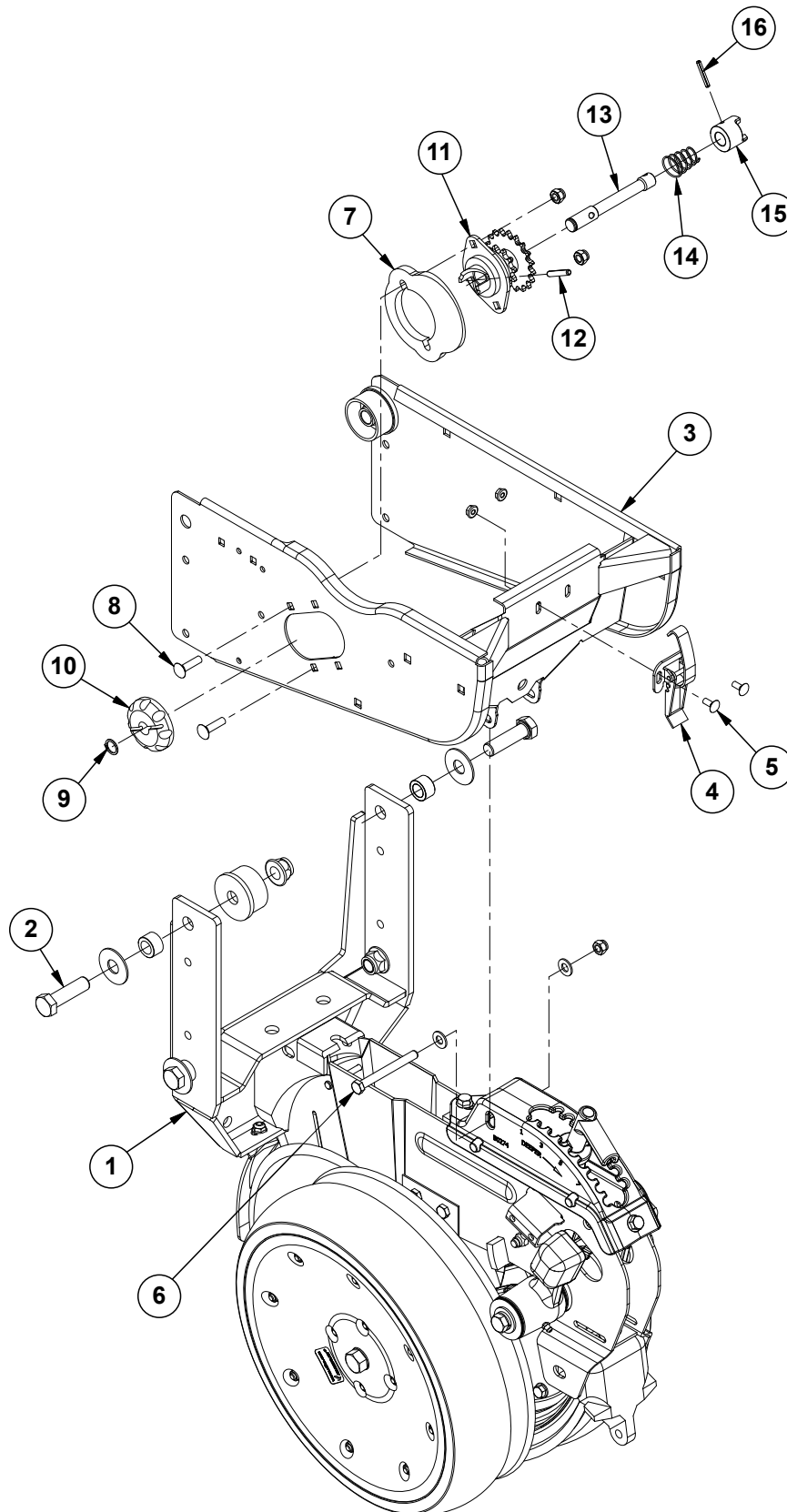
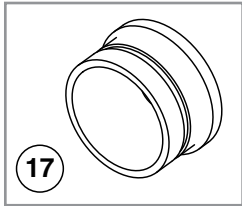
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	-	See "Shank Assembly, Seed Tube, and Depth Adjustment" on page P3
2	G10940	7	Machine Bushing, 1" (.048" Thick)
3	G10228	2	Lock Washer, 1/2"
4	G10014	2	Hex Head Cap Screw, 1/2"-13 x 1"
5	G10216	2	Washer, 1/2" USS
6	GA21677	1	Wheel Arm W/Grease Fitting, Bushings, 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
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)



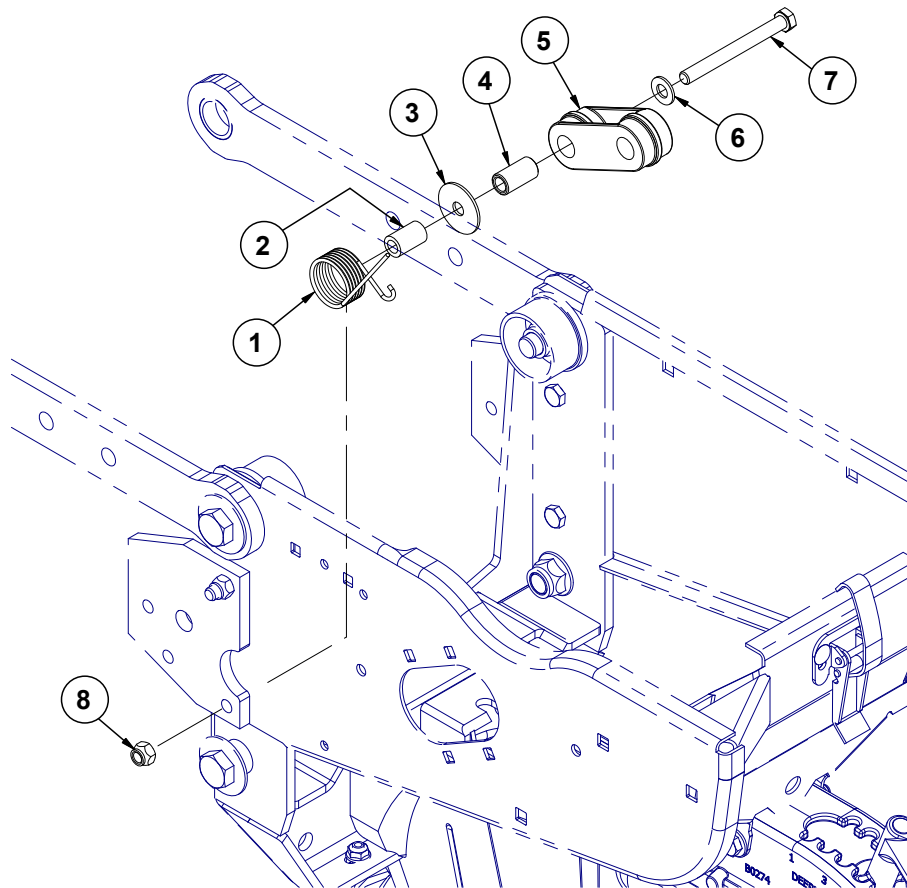
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GB0268	1	Wheel Arm Mount
2	G11387	1	Flat Washer, $\frac{3}{8}$ " SAE
3	G10001	1	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 1"
4	GA15197	1	Closing Wheel Arm
5	GB0254	1	Lever
6	G10109	1	Lock Nut, $\frac{5}{16}$ "-18, Grade 8
7	G10133	1	Hex Head Cap Screw, $\frac{5}{16}$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

(IP1582)



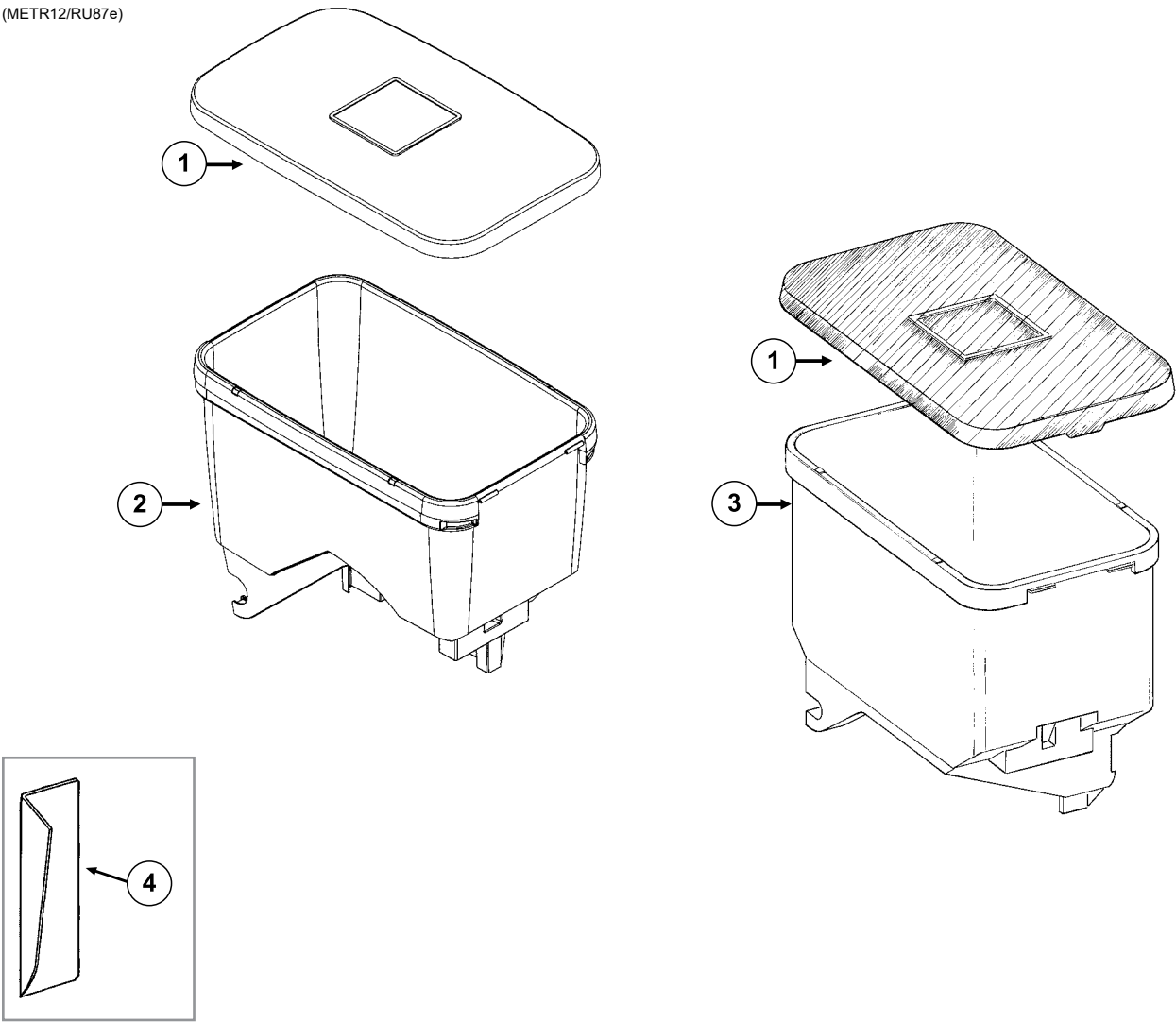
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	1	See "Shank Assembly, Seed Tube, and Depth Adjustment" on page P3
2	G10752	2	Hex Head Cap Screw, 5/8"-18 x 2 1/4"
3	G10329801	1	Hopper Support
4	GA2007	1	Hopper Hold Down Latch
5	G10309	2	Carriage Bolt, 1/4"-20 x 5/8", Grade 2
	G10621	2	Serrated Flange 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, Grade 8
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)



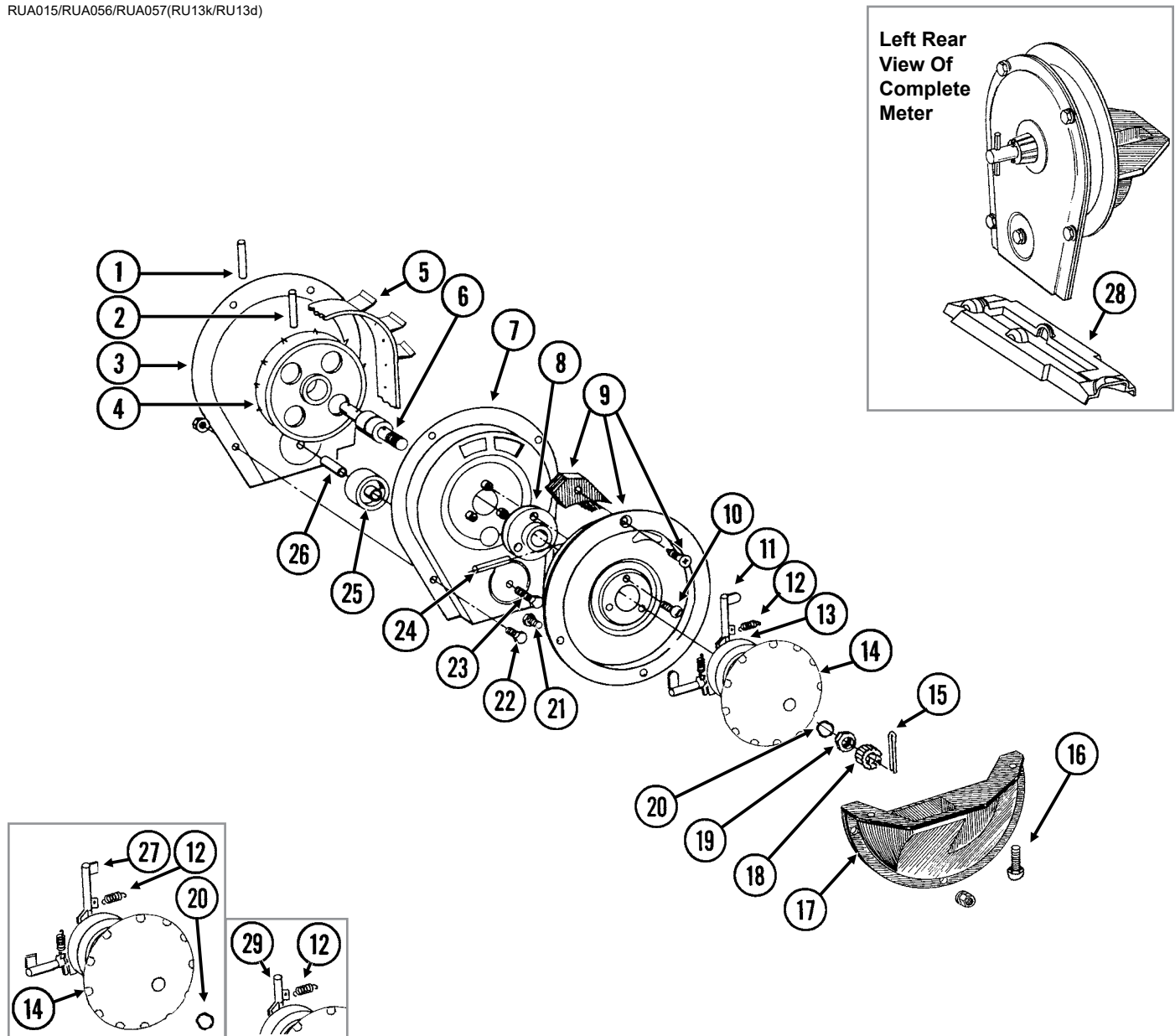
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GD1065	1	Idler Spring
2	GD7318	1	Sleeve, 1" Long
3	G10201	1	Special Washer, $\frac{3}{8}$ " x 1 $\frac{1}{2}$ " O.D.
4	GD1026	1	Sleeve, 1 $\frac{3}{16}$ " Long
5	GD11962	1	Idler
6	G11387	1	Flat Washer, $\frac{3}{8}$ " SAE
7	G10326	1	Hex Head Cap Screw, $\frac{3}{8}$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

(METR12/RU87e)

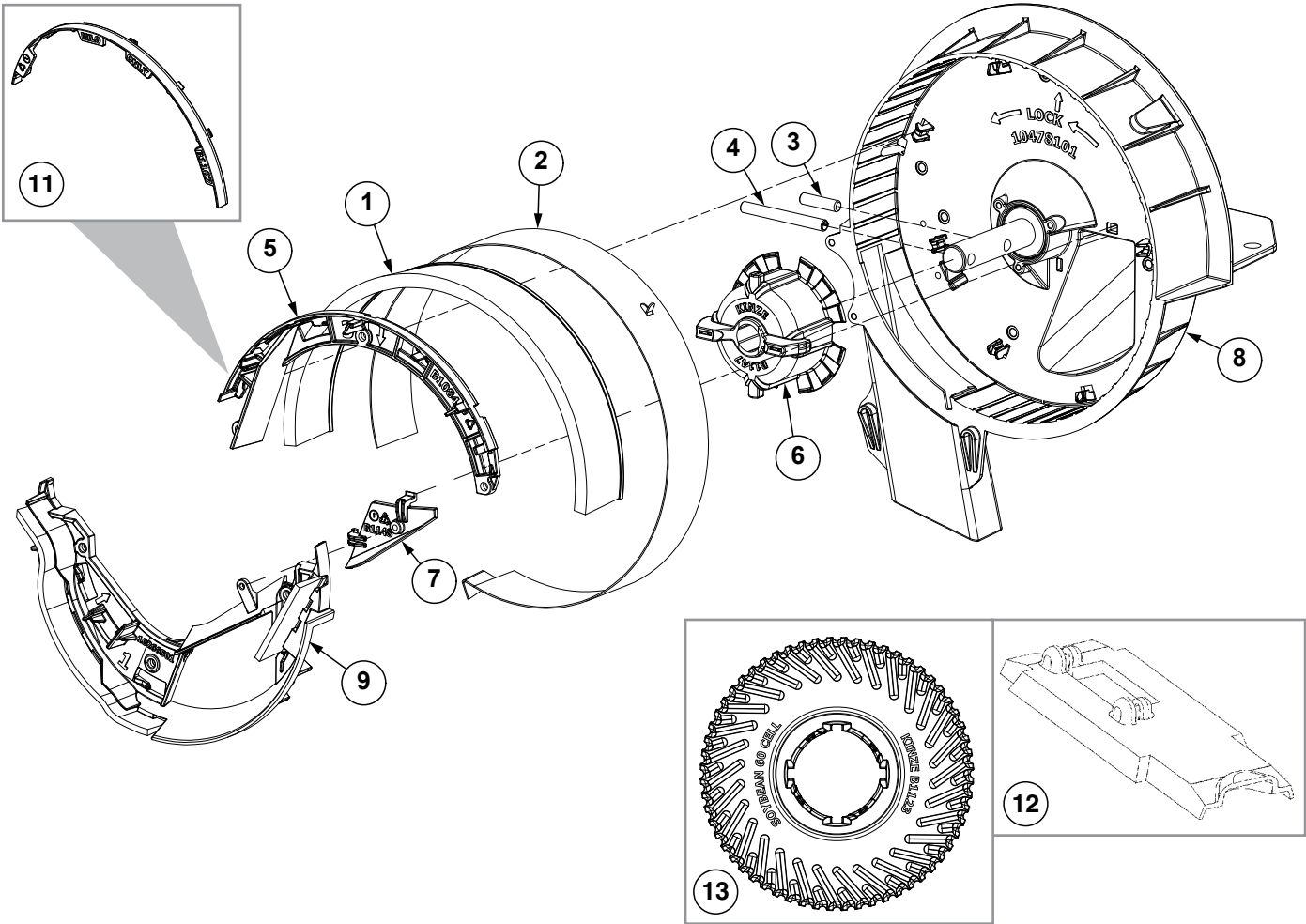


ITEM	PART NO.	QTY.	DESCRIPTION
1	GD11279	1	Lid
2	GA24873	1	Seed Hopper (Vacuum)
	GD12561	-	Threaded Insert, 5/16"-18 (Included W/GA20254)
3	GA9714	1	Seed Hopper, Reinforced (Mechanical)
	GD12561	-	Threaded Insert, 5/16"-18 (Included W/GA9714)
4	GD11747	1	Seed Reserve Baffle

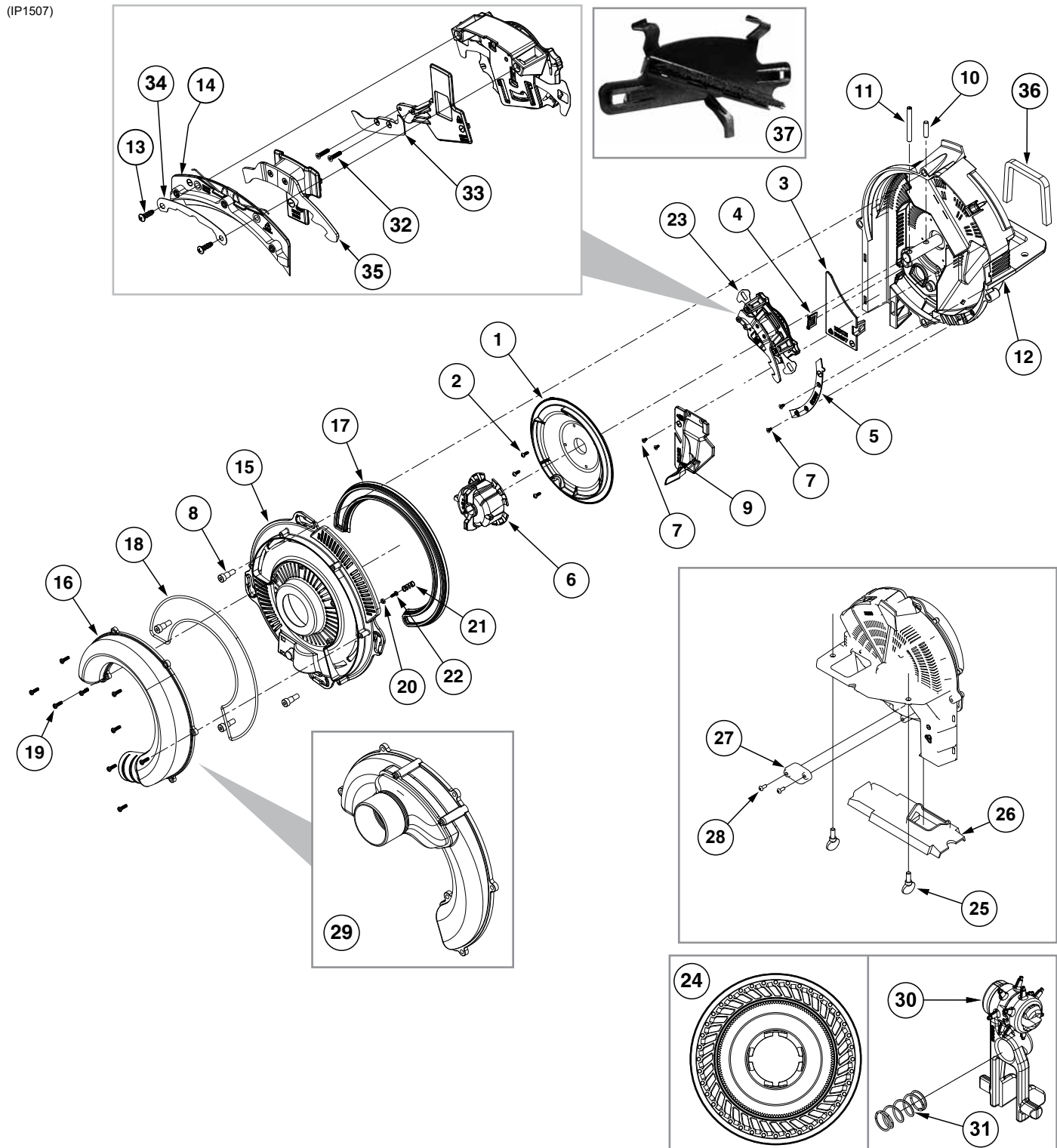
RUA015/RUA056/RUA057(RU13k/RU13d)



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 Assembly (Items 1-26 and 28)



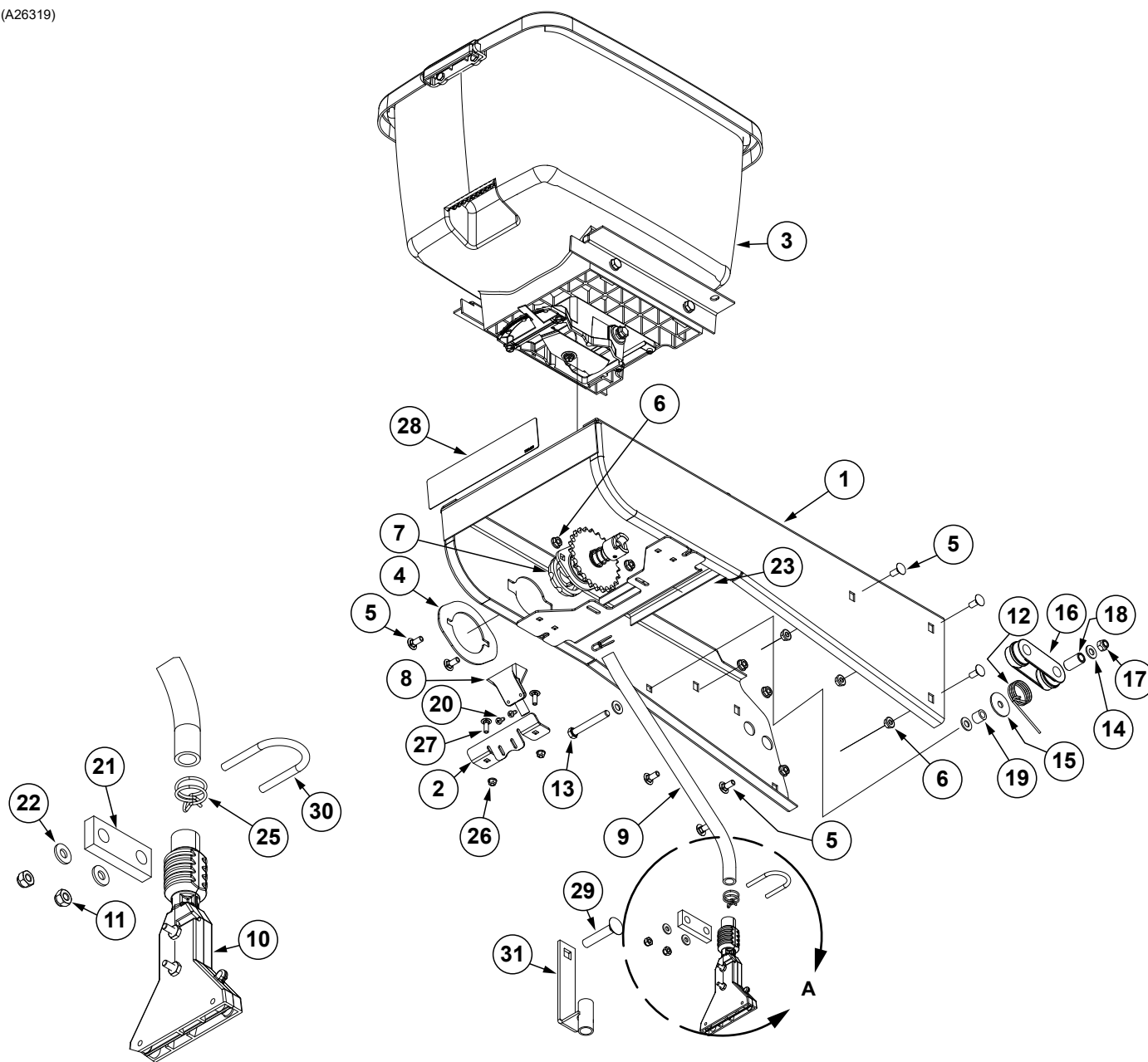
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GA5699	1	Upper Brush
2	GD8778	1	Wear Strip
3	G11448	1	Pin, 1/4" x 1"
4	G10475	1	Spring Pin, 1/4" x 2 1/4"
5	GB1084	1	Upper Brush Retainer (Used W/Soybean and Wheat Discs)
6	GB1147	1	Disc Hub
7	GB1148	1	Lower Retainer Wall
8	G10478401	1	Brush Meter Housing W/Bearing
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)



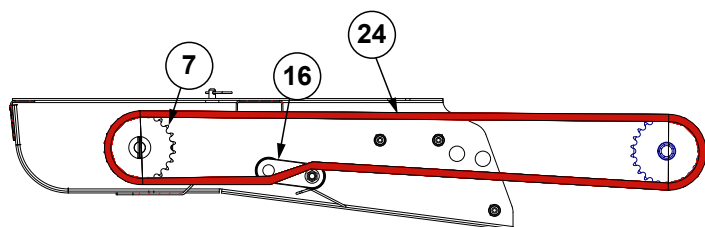
ITEM	PART NO.	QTY.	DESCRIPTION
1	GB0815	1	Shield
2	G11965	3	Torx Pan Head Tapping Screw, No. 6-19 x 3/8"
3	GB0697	1	Chute Cover
4	GB0780	1	Brush
5	GB0823	1	Baffle
6	GB1147	1	Disc Hub

ITEM	PART NO.	QTY.	DESCRIPTION
7	G11618	4	Torx Flat Head Tapping Screw, No. 6-19 x ¼"
8	G11172	4	Hex Socket Head Shoulder Screw, ¼"-20 x ¾", Stainless Steel
9	GA24878	1	Baffle Assembly
10	G11448	1	Pin, ¼" x 1"
11	G10475	1	Spring Pin, ¼" x 2¼"
12	GA24877	1	Meter Housing W/Bearing
13	G11578	2	Phillips Pan Head Tapping Screw, No. 8-18 x ½"
14	GA24676	1	Singulator Guide Assembly
15	GB0920	1	Cover
16	GB0818	1	Vacuum Port, Pull Row Unit
17	GB0676	1	Lip Seal
18	GD26593	1	Gasket Housing
19	G11556	9	Phillips Pan Head Tapping Screw, 6-19 x ½"
20	GB0907	1	Retainer Spring
21	G10483101	1	Compression Spring
22	G11619	1	Phillips Pan Head Tapping Screw, No. 6-19 x ¾"
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 42)
25	G11009	2	Locking Thumbscrew, ⅝"-18 x ¾"
26	GB0926	1	Shank Cover
27	GD28631	1	Cover Plate
28	G11281	2	Hex Button Head Cap Screw, 10-24 x ½"
29	GA20111	1	Vacuum Port, Push Row Unit
30	G10665101	-	Ejector Arm, Corn
	G10483401	-	Ejector Arm, Soybean (120 Cell)
	G10665001	-	Ejector Arm, Sunflower
	G10664901	-	Ejector Arm, Beets/Milo
	G10614301	-	Ejector Arm, Black Turtle, Navy, Pinto, Great Northern Edible Bean, and Popcorn
	G10483201	-	Ejector Arm, Soybean (60 Cell)
	GA26989	-	Ejector Arm, Wheat
31	G10483101	-	Compression Spring
32	G11693	2	Torx Flat Head Machine Screw, No. 4-40 x ½"
33	GB0921	1	Lower Blade
34	G10483101	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)



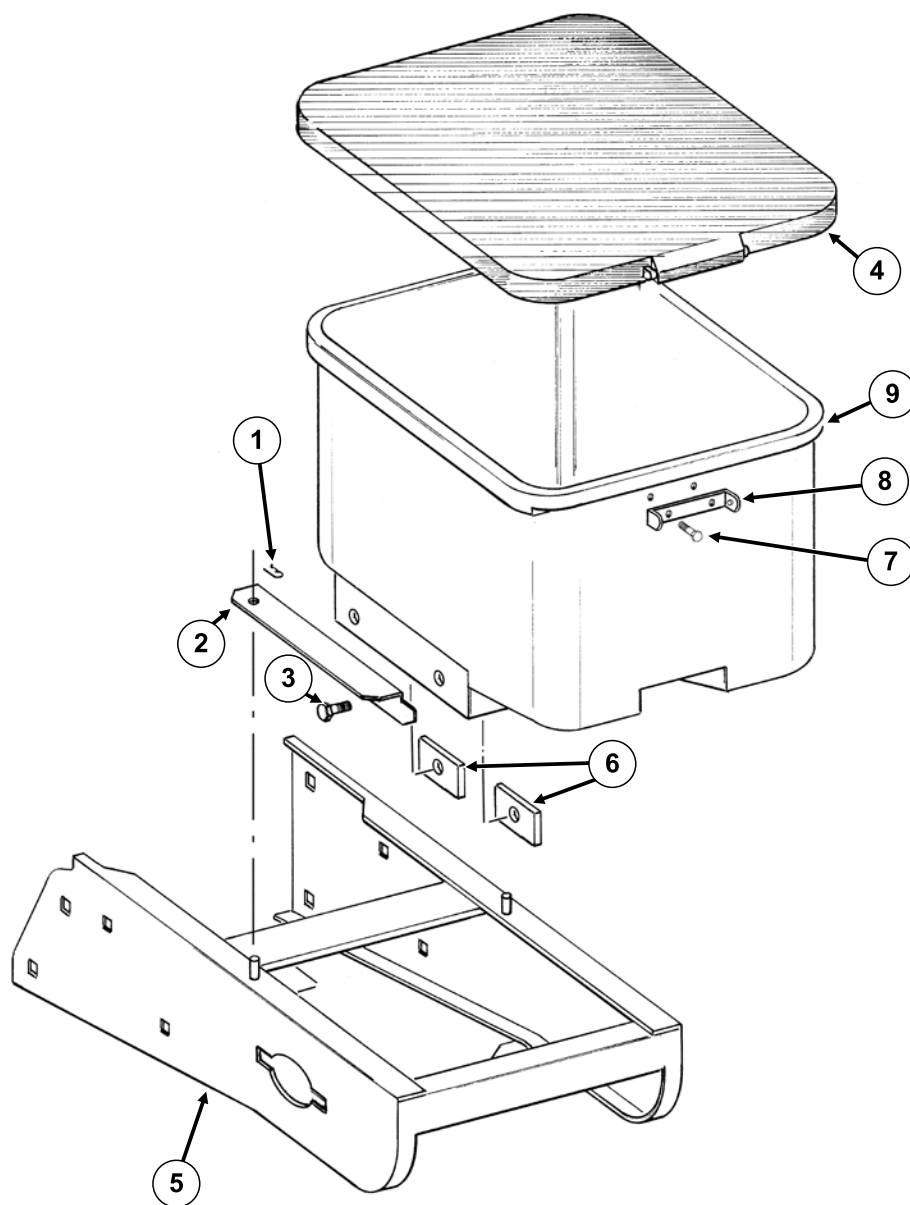
Detail A



Chain Routing

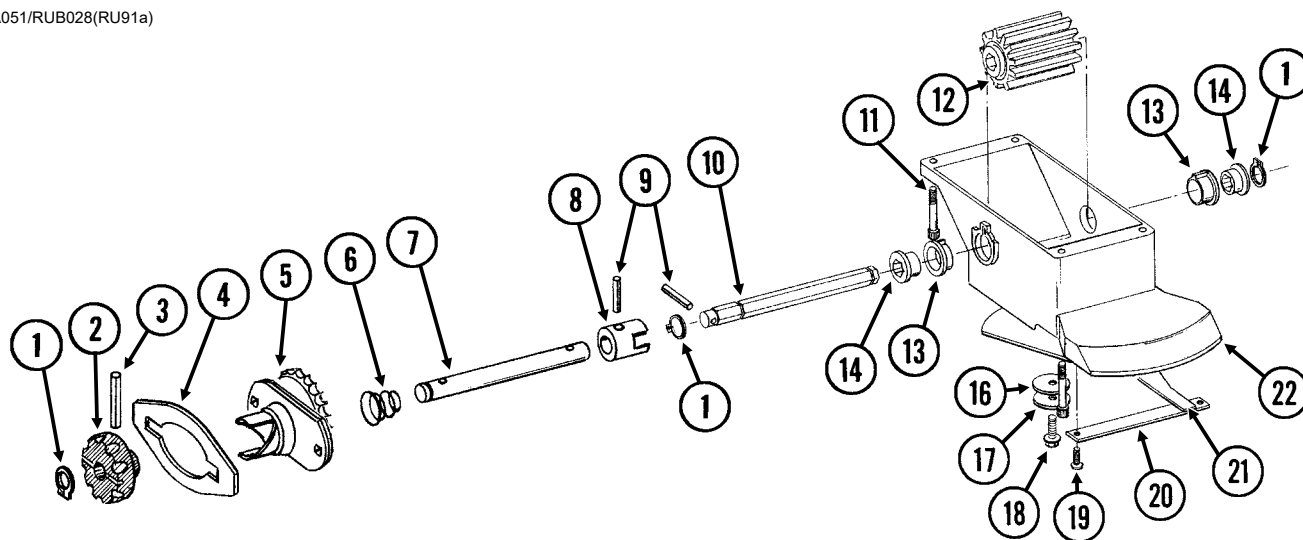
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	A26287	1	Hopper Panel Extension (Non-Stock Item)
2	GD36277	1	Funnel Bracket
3	---	-	See "Granular Chemical Hopper and Hopper Panel Extension" on page P31
4	GD11305	1	Plate
5	G10312	8	Carriage Bolt, 5/16"-18 x 3/4"
6	G10620	8	Serrated Flange Nut, 5/16"-18
7	---	1	See "Granular Chemical Meter and Meter Drive" on page P32
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

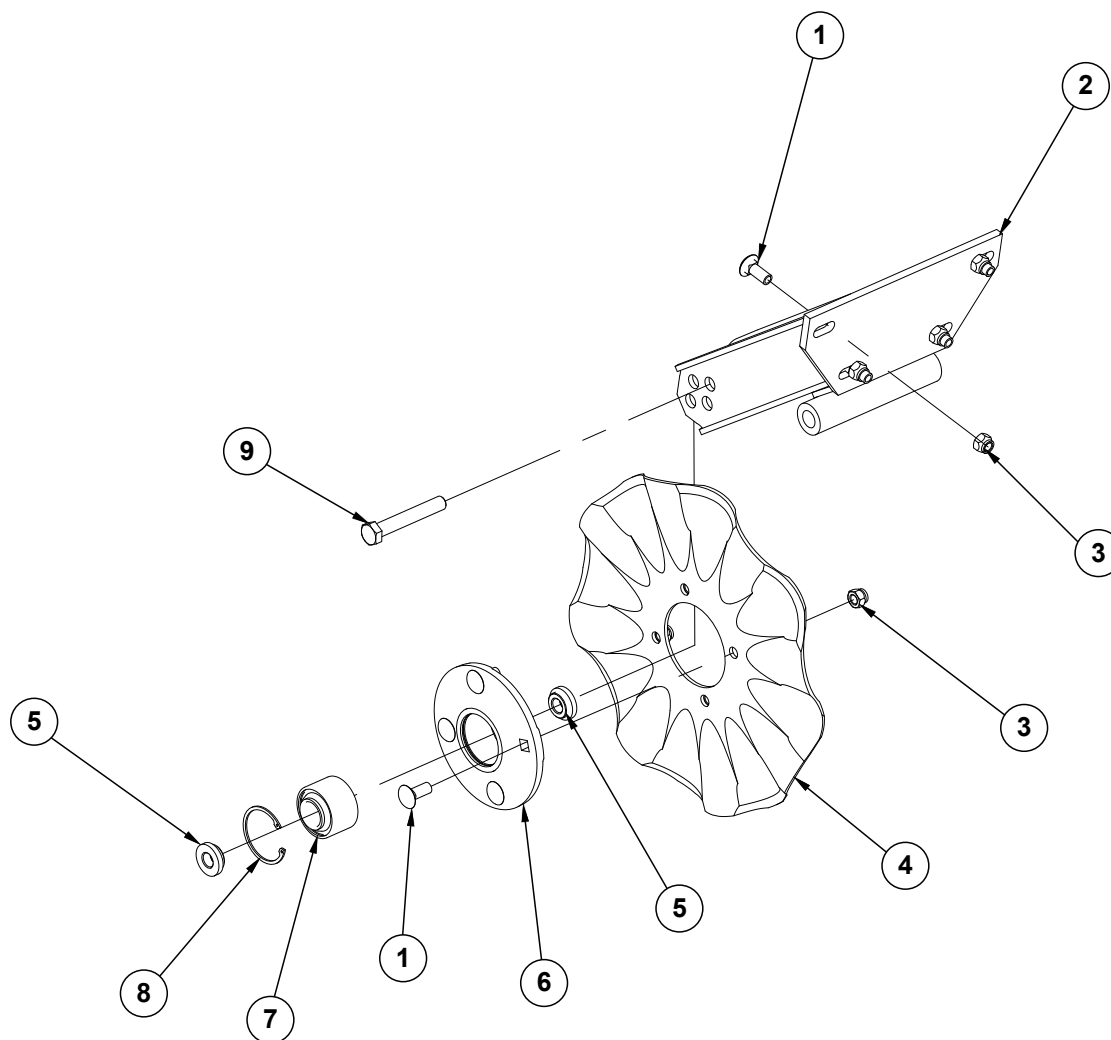
RUA051/RUB028(RU91a)



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 P31
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)

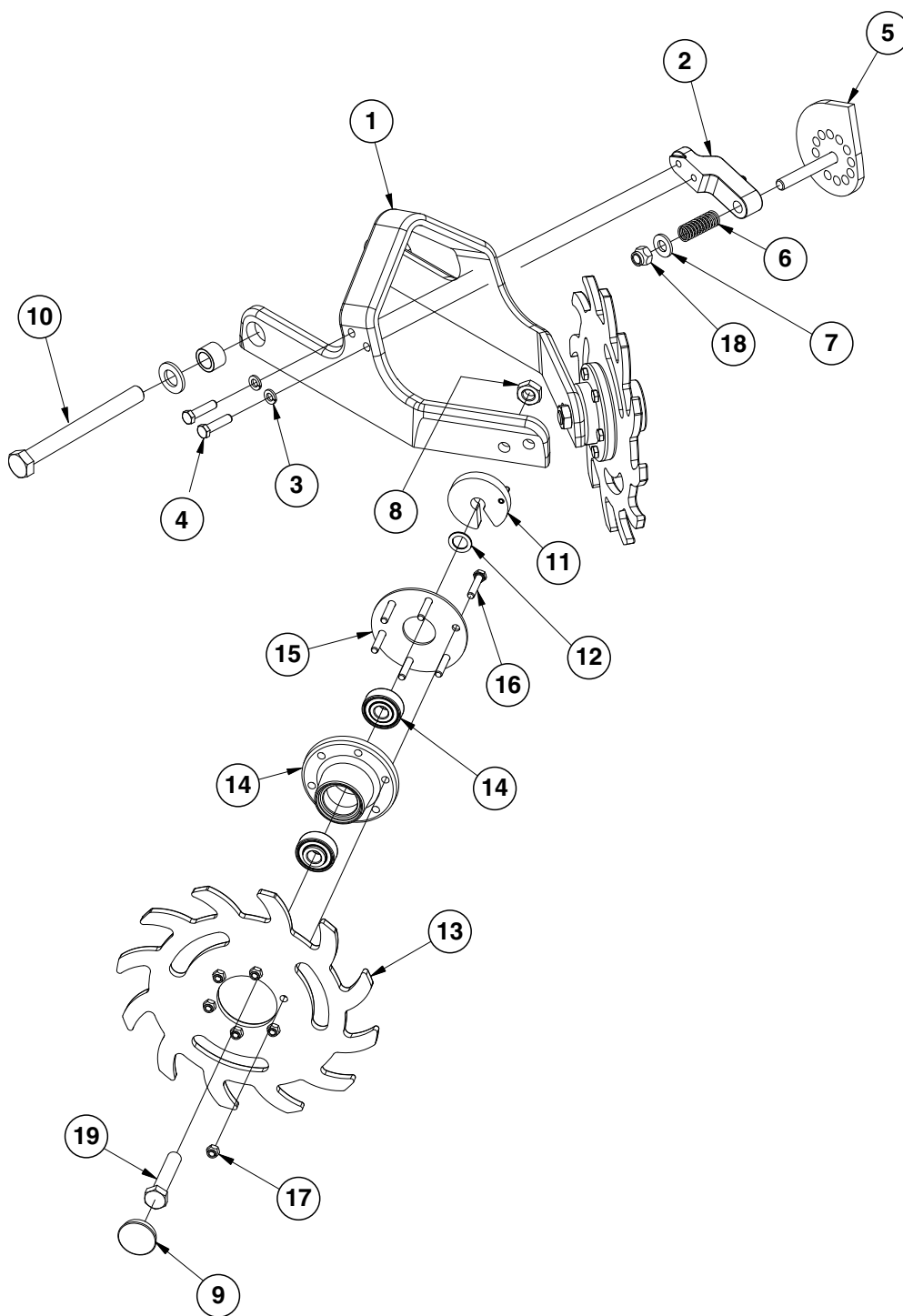
This page left blank intentionally.

(IP1279)



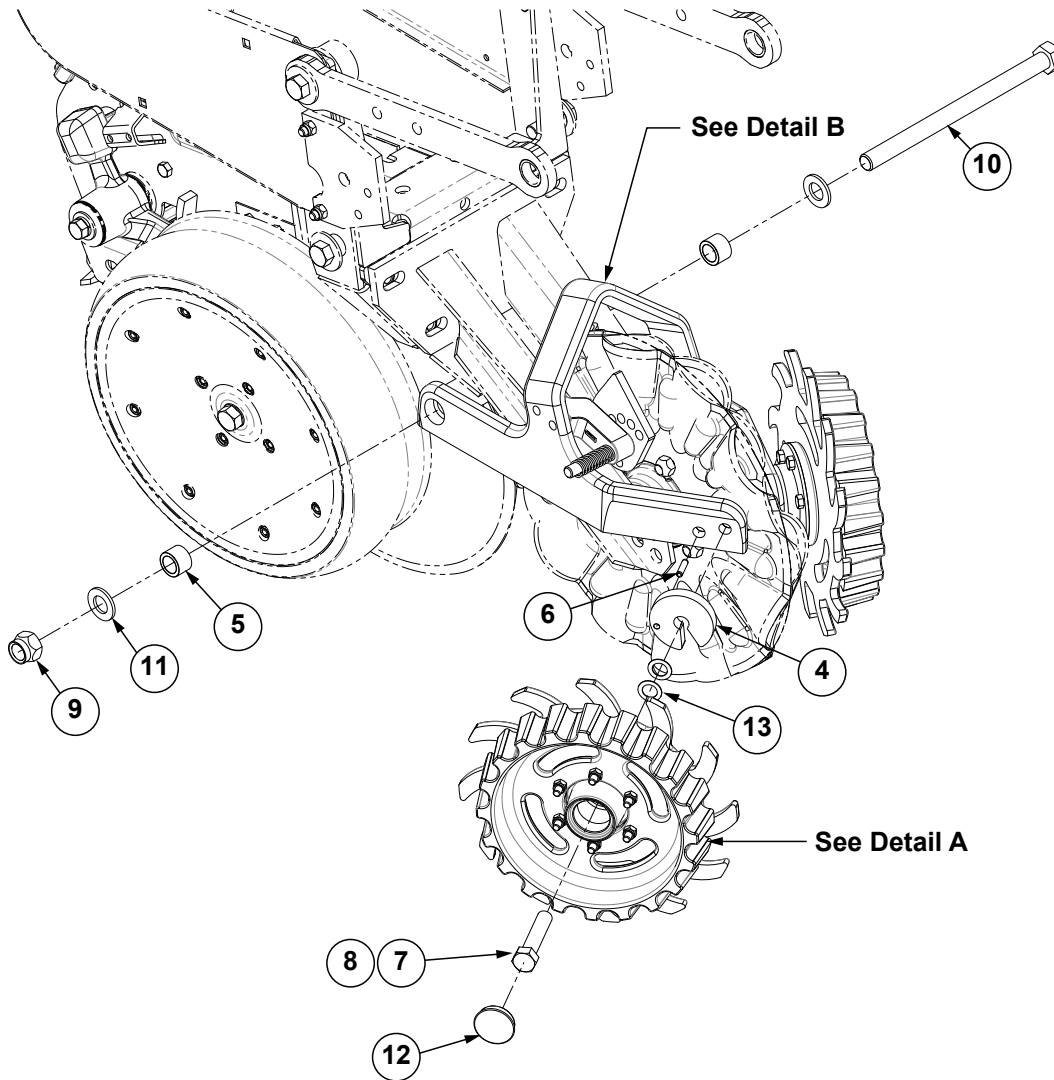
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	G10636	8	Carriage Bolt, 1/2"-13 x 1 1/2"
2	GA24239	1	Arm
3	G10111	8	Lock Nut, 1/2"-13
4	GD7803	1	Disc Blade, Fluted, 1", 8 Flutes (Shown)
	GD7804	-	Disc Blade, Bubbled, 1"
	GD9254	-	Disc Blade, Fluted, 3/4", 13 Flutes
	G10901301	-	Disc Blade, Fluted, 5/16", 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

(IP1468)

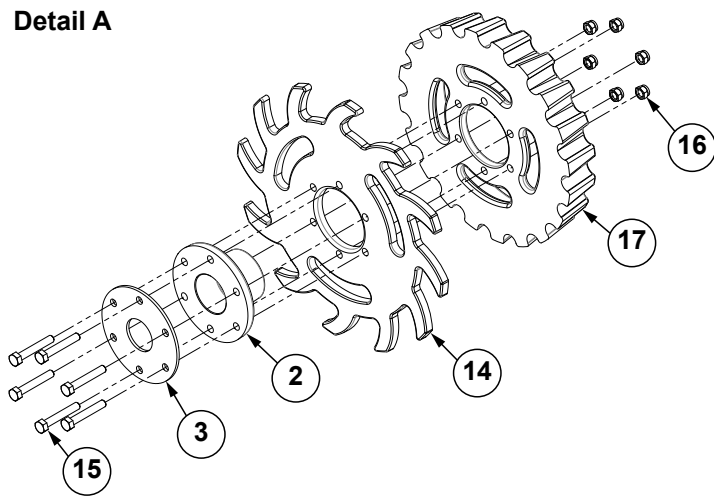


ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GB0464	1	Residue Wheel Mount
2	GD26973	1	Cam Locking Pin
3	G10229	2	Lock Washer, 3/8"
4	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
5	GA27038	1	Cam
6	GD10519	1	Spring
7	G11389	1	Flat Washer, 1/2" Plated SAE
8	G10503	2	Hex Jam Nut, 5/8"-11, Grade 2
9	GD1132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

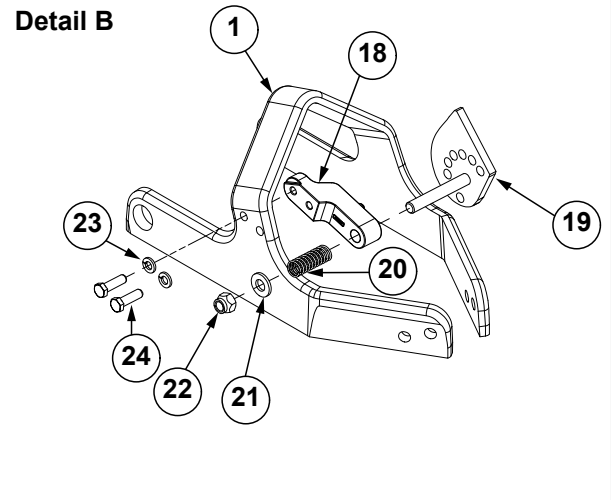
(106531/106528/A19012)



Detail A

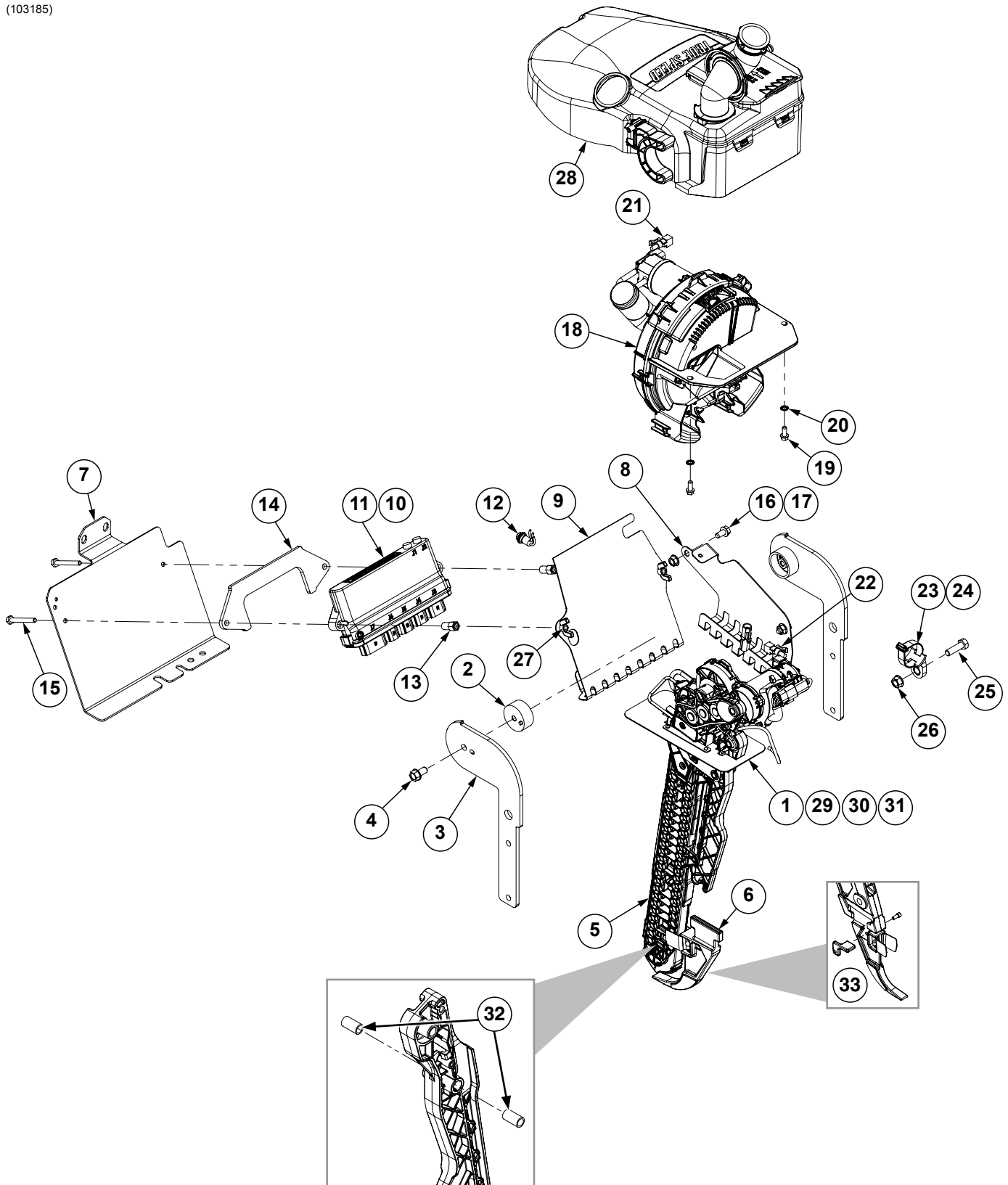


Detail B



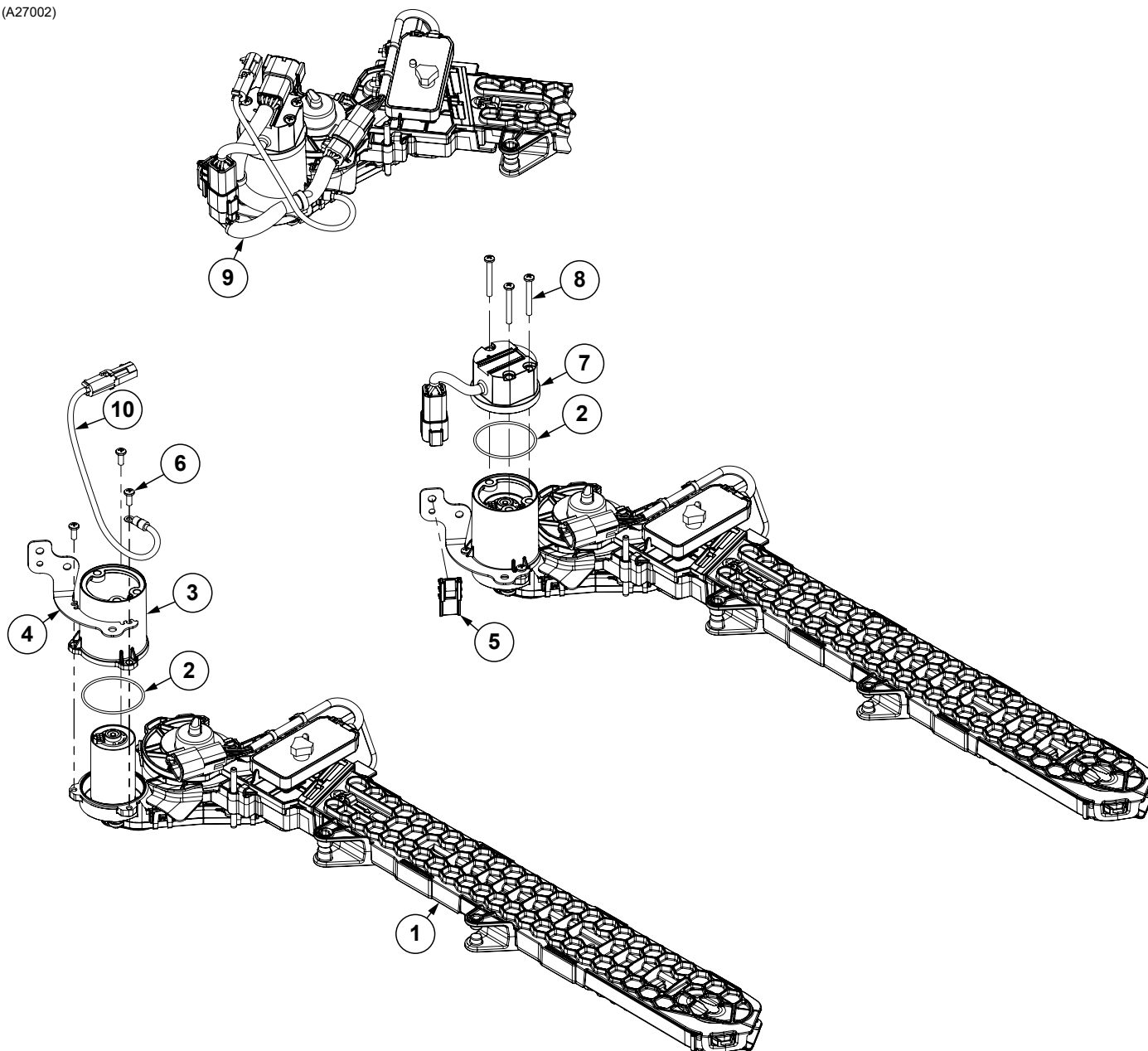
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GB0464	1	Residue Wheel Mount
2	GA5654	2	Hub W/Bearings
	GA2014	-	Bearing (Included W/GA5654)
3	GD9724	1	Backing Plate
4	GD11784	2	Weed Guard
5	GB0383	2	Bushing, 1 1/8" O.D. x 25/32" I.D. x 3/4" Long
6	G10765	2	Spring Pin, 1/4" x 1"
7	G10010	2	Hex Head Cap Screw, 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)

(103185)



ITEM	PART NO.	QTY. (per row)	DESCRIPTION
1	GA27008 GD36951 G11996	1 - -	Seed Delivery Rail Seed Delivery Spring Slotted Spring Pin, $\frac{3}{16}$ " x $2\frac{1}{4}$ "
2	GB1218	2	Hopper Mount
3	G10302401	2	True Speed Hopper Mount
4	G11123	2	Hex Serrated Flange Cap Screw, $\frac{3}{8}$ "-16 x $\frac{3}{4}$ "
5	GA27002	1	See "True Speed Seed Delivery System W/Driver" on page P41
6	G10418802	1	Disc Opener Scraper Assembly
7	G10617801	1	IPN Pull Row Unit Mount
8	G10267501	1	Wire Tray
9	G10267601	1	IPN Wire Shield, 3000 Series
10	GA25949	1	IPN Module Assembly
11	---	---	---
12	GA15485	1	Button
13	GD35609	2	Hex Standoff
14	GD35629	1	IPN Row Unit Plate
15	G10265601	2	Hex Head Cap Screw, $\frac{1}{4}$ "-20 x $2\frac{1}{4}$ ", Grade 5
16	G10961	2	Flanged Whiz Lock Screw, $\frac{5}{16}$ "-18 x $\frac{3}{4}$ ", No Serration
17	G10620	2	Serrated Flange Nut, $\frac{5}{16}$ "-18
18	---	1	See "True Speed Seed Meter" on page P47
19	G10960	2	Hex Non-Serrated Flange Cap Screw, $\frac{1}{4}$ "-20 x $\frac{5}{8}$ ", Grade 5
20	G11249	2	External Tooth Washer, $\frac{1}{4}$ "
21	G10213601	1	True Speed ESD Ground Strap Harness
22	G10213602	1	True Speed ESD Ground Strap Harness
23	10176901	1	Cable Tie, $\frac{1}{2}$ " x 12" (Black)
24	G10088301	1	Cable Tie Mount, $\frac{3}{8}$ "
25	G10004	1	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $1\frac{1}{4}$ "
26	G10622	1	Serrated Flange Nut, $\frac{3}{8}$ "-16
27	G10531	2	Wing Nut W/Nylon Insert, $\frac{1}{4}$ "-20
28	G10336801	1	See "True Speed Mini-Hopper" on page P53
29	G10210801	1	True Speed 3K Pull Row Unit Harness
30	GD26288	1	Cap, 6-Pin Deutsch Plug
31	G10266701	1	Dust Cap, 8 Pin
32	GD36952-02	2	Spacer
33	G1K774	---	Row Unit Scraper Shim Kit; Includes (1) Hex Socket Head Cap Screw, (1) Scraper Shim, and (1) Instruction Sheet

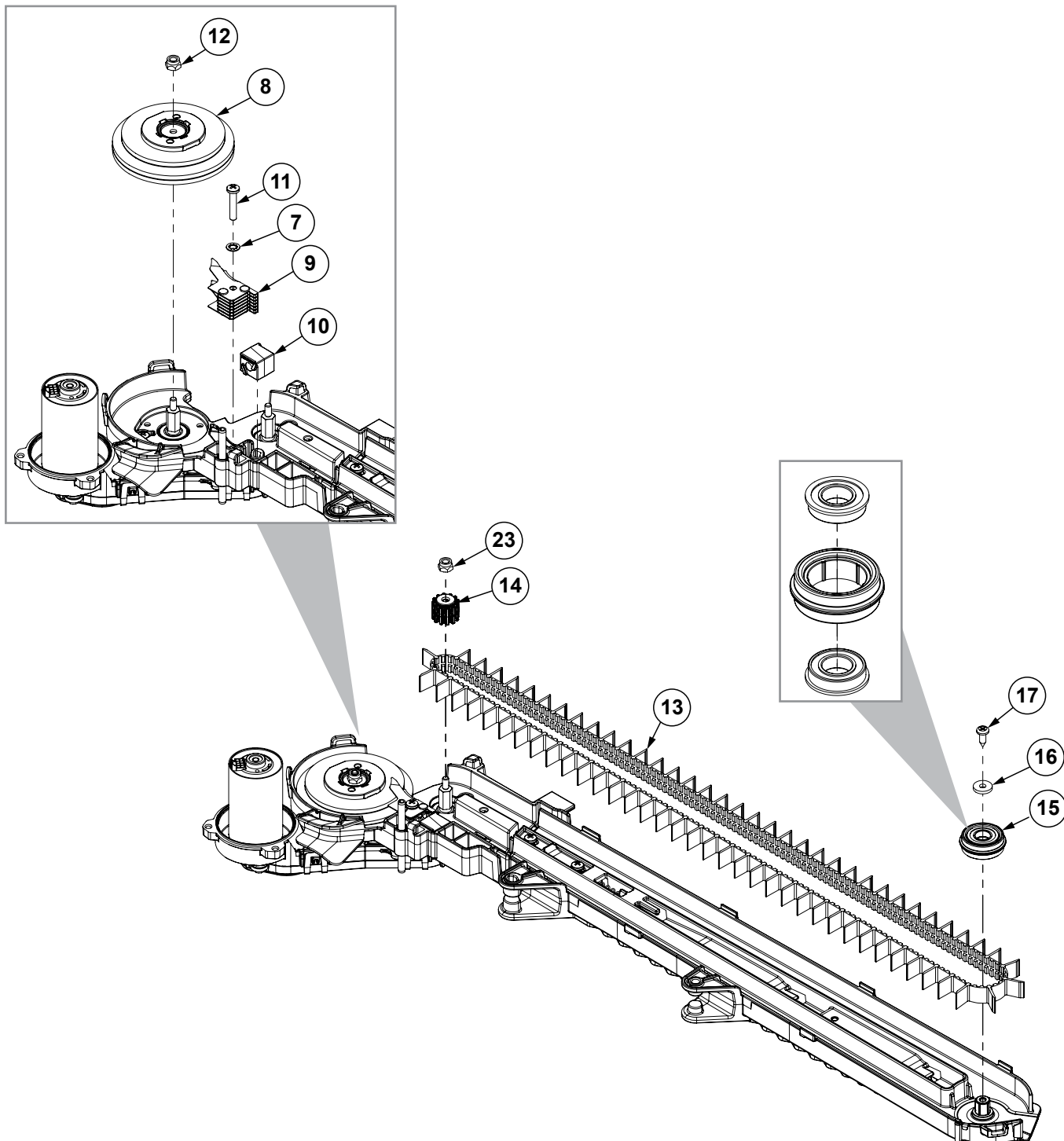
(A27002)



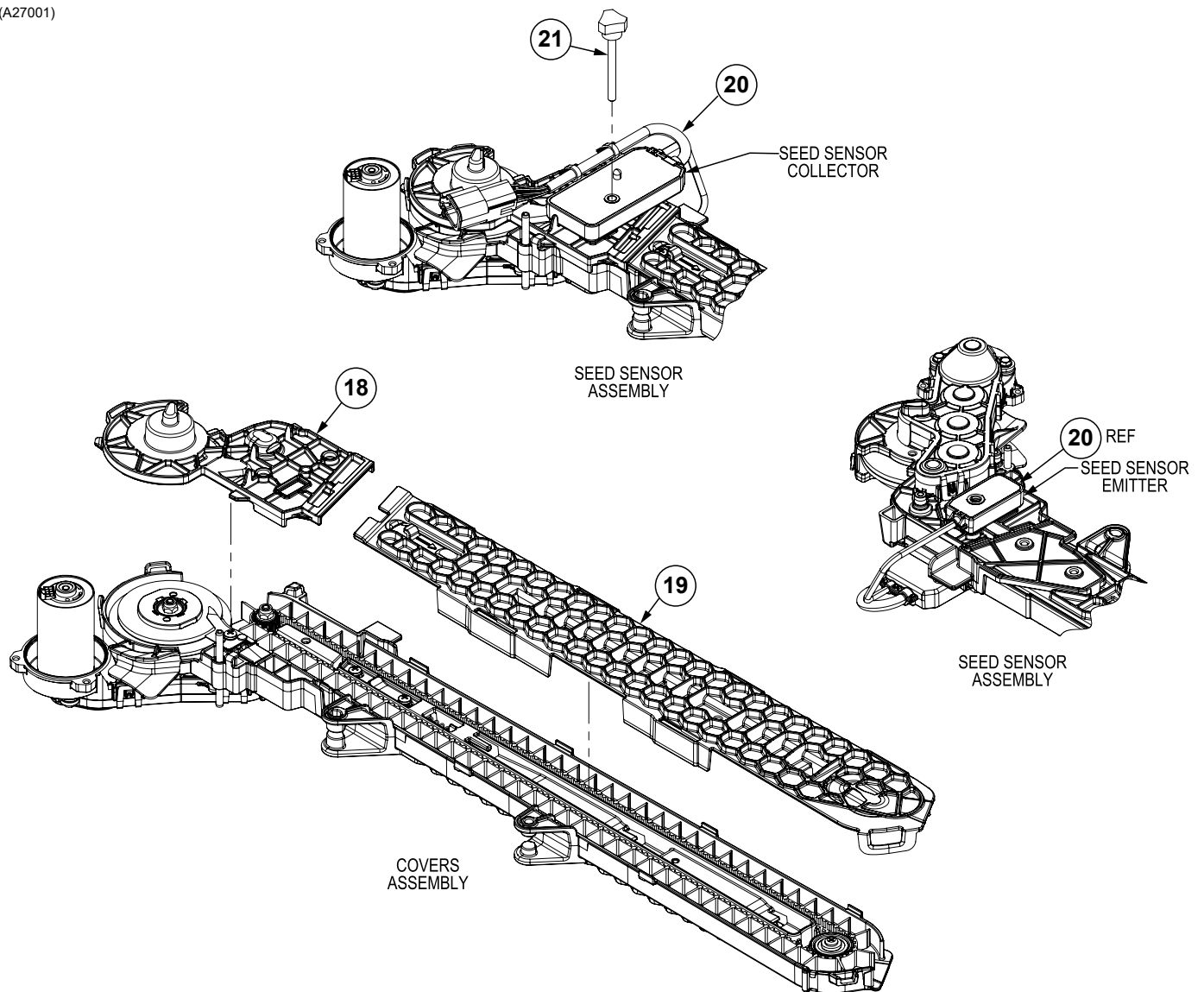
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA27001	1	See "True Speed Seed Delivery System Assembly" on page P43
2	GB1291	2	O-Ring
3	GB1289	1	BLDC Cover Housing
4	GD36961	1	Harness Routing Bracket
5	GD26293	-	Attachment Clip
6	G11981	-	Phillips Pan Head Machine Screw, #8-32 x 1/2"
7	G10429001	1	Motor Driver Assembly
8	G11960	3	Phillips Pan Head Machine Screw #8-32 x 1/2", Stainless Steel
9	GA26980	1	True Speed Seed Tube
10	G10213502	1	True Speed ESD Ground Strap Harness
A	G10749X	-	Seed Delivery System W/Driver (Items 1-10)

This page left blank intentionally.

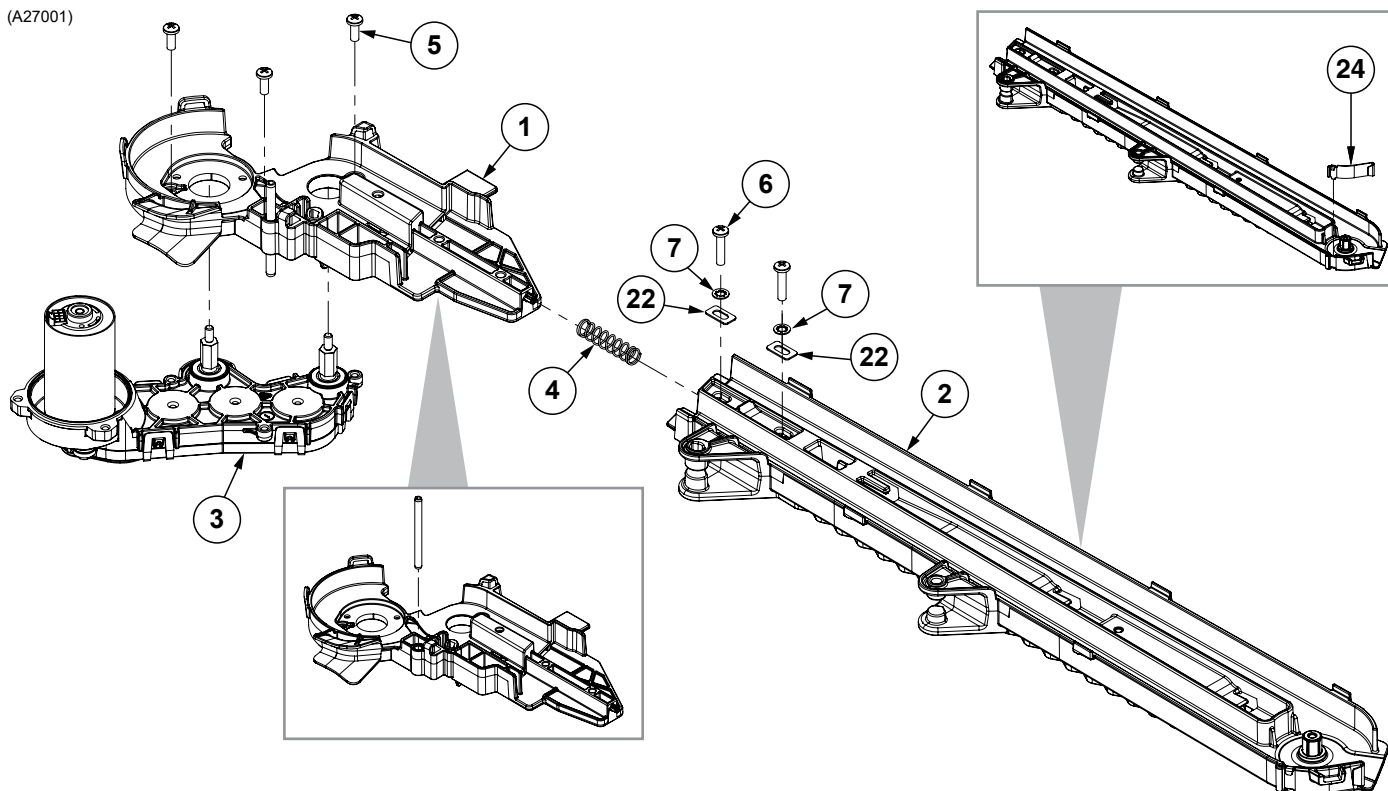
(A27001)



(A27001)

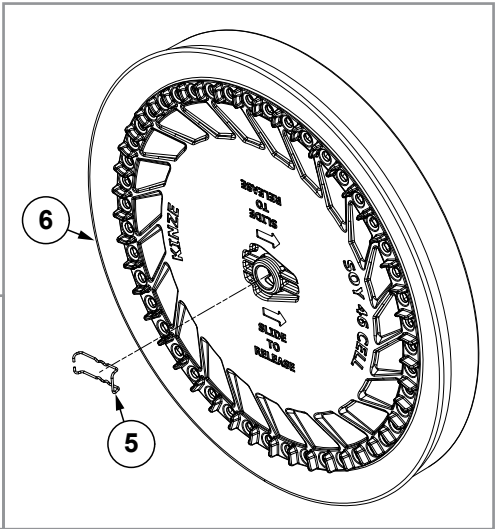
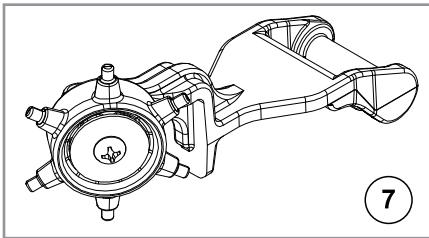
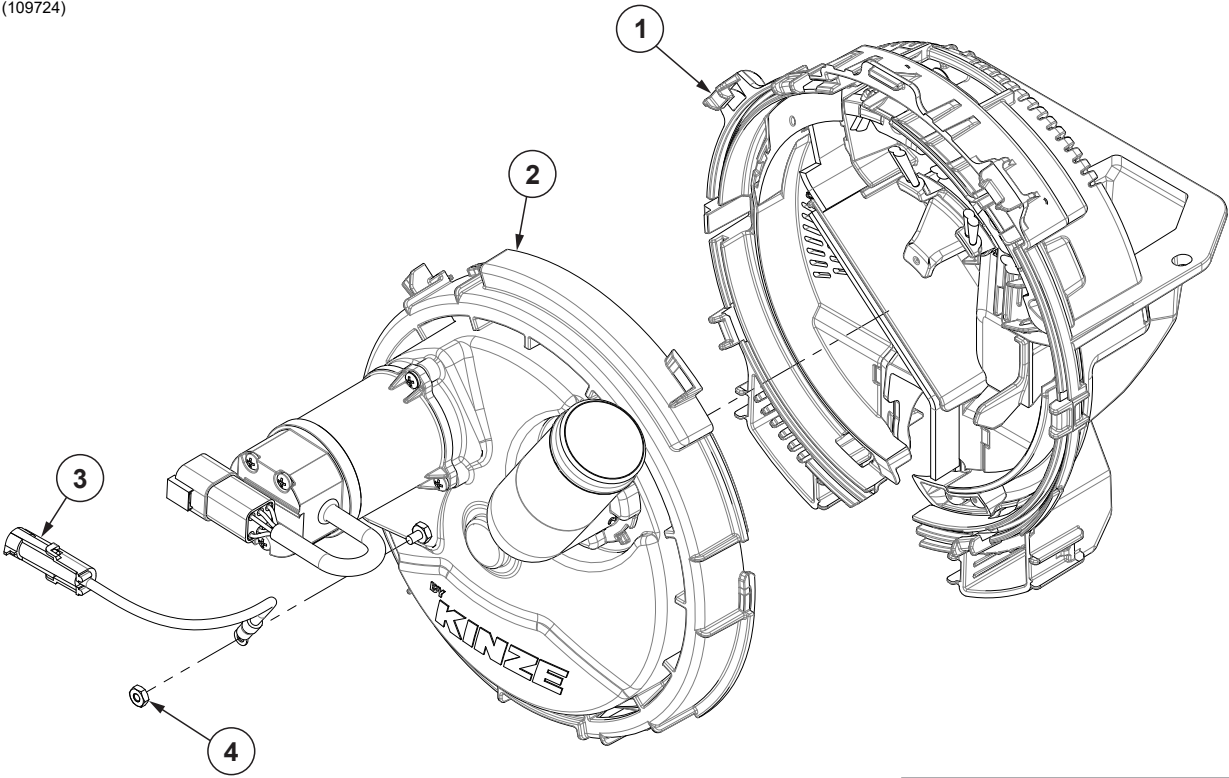


(A27001)



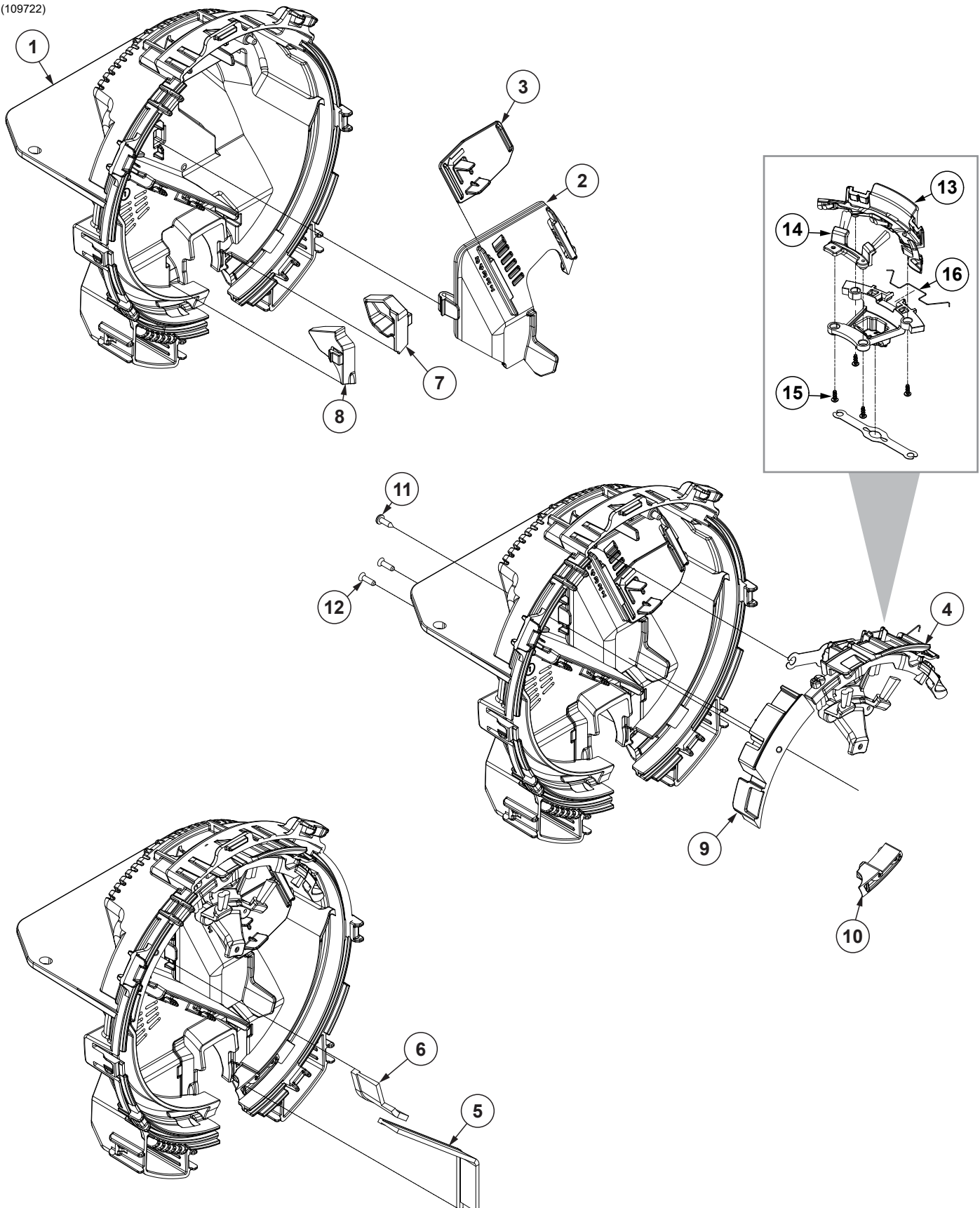
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA27133	1	Seed Delivery Upper Housing Assembly
	G10208201	1	Seed Delivery Upper Housing (Included W/GA27133)
	G11996	1	Spring Slot Pin, $\frac{3}{16}$ " x $2\frac{1}{4}$ " (Included W/GA27133)
2	GA27084	1	Seed Delivery Lower Housing Assembly
	GB1250	1	Seed Delivery Lower Housing (Included W/GA27084)
3	G10545501	1	Seed Delivery Gearcase Assembly
4	GD36938	1	Belt Tensioner Spring
5	G11986	3	Phillips Pan Head Machine Screw, No. 8-32 x $\frac{7}{16}$ "
6	G11067	2	Phillips Pan Head Machine Screw, No. 8-32 x $\frac{3}{4}$ ", Stainless Steel
7	G11995	3	Internal Tooth Washer, No. 8, Stainless Steel
8	GA27005	1	Brush Wheel Assembly
9	GA27004	1	Brush Wheel Comb Assembly
10	GB1257	1	Seed Relief Scrubber
11	G10425701	1	Phillips Pan Head Machine Screw, No. 8-32 x $\frac{7}{8}$ ", Black Oxide
12	G11202	2	Lock Nut W/Nylon Insert, No. 8-32, Stainless Steel
13	GB1256	1	Seed Delivery Belt
14	G10218301	1	Belt Drive Sprocket
15	GA27134	1	Seed Delivery Idler Pulley Assembly
	GB1255	1	Seed Deliver Idler Pulley (Included W/GA27134)
16	G10425501	1	Washer, 12 MM O.D. x 4.3MM I.D. x 1MM
17	G10425401	1	Phillips Flat Head Tapping Screw, No. 8-18 x $\frac{1}{2}$ "
18	G10208301	1	Seed Delivery Upper Cover
19	GB1251	1	Seed Delivery Lower Cover
20	GA27003	1	Seed Sensor Assembly
21	G10230701	1	Hex Socket Head Cap Screw, No. 10-24
	G10060301	1	Knob, No. 10
22	G10366201	2	Slotted Rectangular Washer
23	G11729	1	Hex Lock Nut, No. 6-32
24	GD36936	1	Wear Strip
A	GA27001	1	Seed Delivery System Assembly, Items 1-21

(109724)



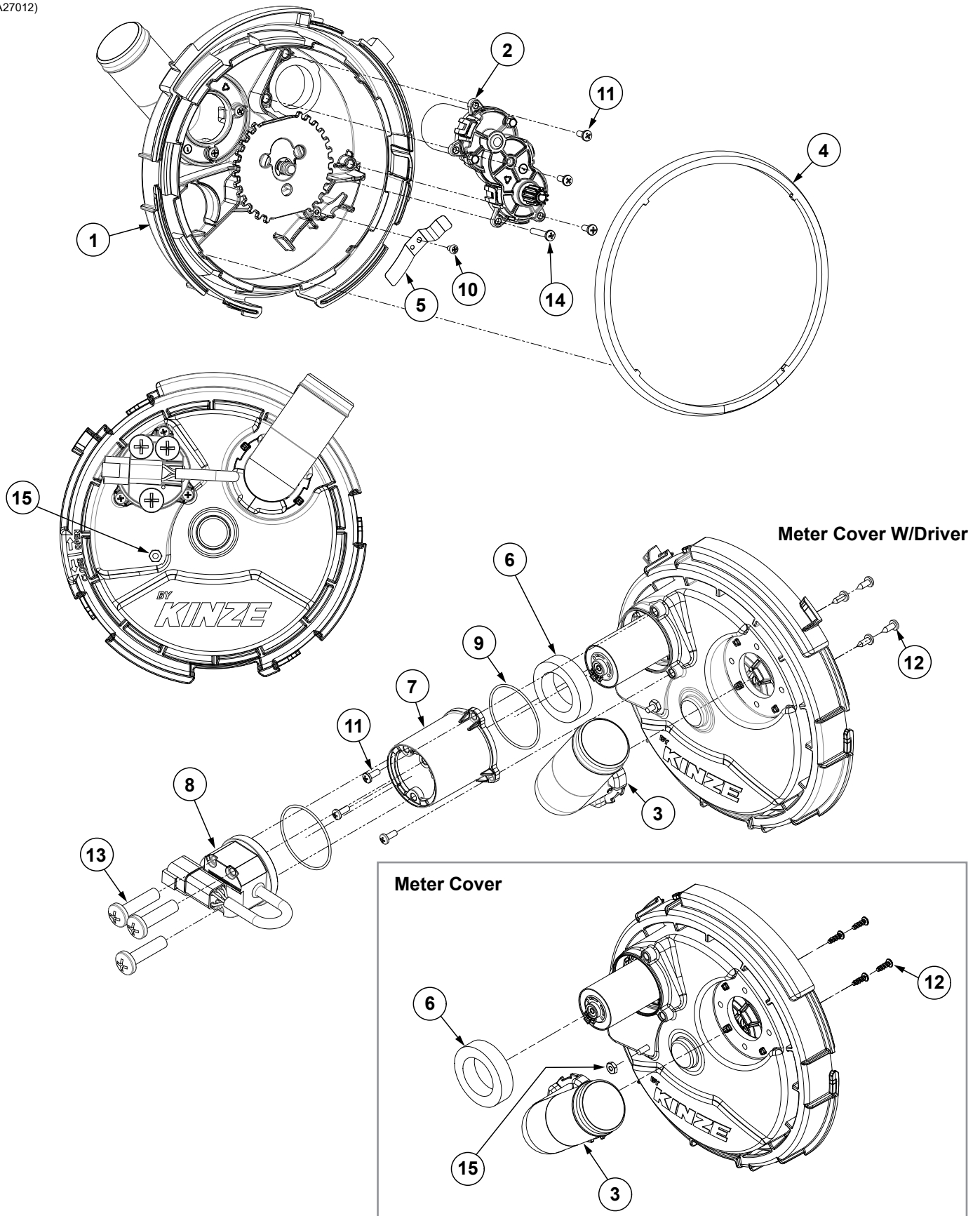
ITEM	PART NO.	QTY.	DESCRIPTION
1	---	1	See "True Speed Meter Housing" on page P49
2	---	1	See "True Speed Meter Cover" on page P51
3	G10213501	1	True Speed ESD Ground Strap Harness
4	G10928	1	Hex Nut, No. 8-32, Stainless Steel
5	G10318701	1	Seed Disc Retention Clip (Included W/Item 6)
6	G10892X	-	Seed Disc, Corn, 32 Cell (Light Blue Color-Coded) and Ejector Assembly
	G10894X	-	Seed Disc, Soybean, 46 Cell (Black Color-Coded) and Ejector Assembly
	G10893X	-	Seed Disc, Soybean, 92 Cell (Black Color-Coded) and Ejector Assembly
	G10992X	-	Seed Disc, Cotton, 46 Cell (Green Color-Coded) and Ejector Assembly
	G10860X	-	Seed Disc, Sugar Beets/Milo, 46 Cell (Orange Color-Coded) and Ejector Assembly
	G11124X	-	Seed Disc, Sunflower, 23 Cell (Yellow Color-Coded) and Ejector Assembly
	G11551X	-	Seed Disc, Wheat/Barley, 210 Cell (Red Color-Coded) and Ejector Assembly
	G11340X	-	Seed Disc, Rapeseed/Canola, 104 Cell (Dark Gray Color-Coded) and Ejector Assembly
7	G10177501	-	Ejector Assembly, 32 Cell Corn (Included W/G10892X)
	G10177701	-	Ejector Assembly, 46 Cell Soybean (Included W/G10894X)
	G10177601	-	Ejector Assembly, 92 Cell Soybean (Included W/G10893X)
	GA27002	-	Ejector Assembly, 46 Cell Cotton (Included W/G10992X)
	GA27023	-	Ejector Assembly, 46 Cell Sugar Beets (Included W/G10860X)
	G10618501	-	Ejector Assembly, 23 Cell Sunflower (Included W/G11124X)
	G11051001	-	Ejector Assembly, 210 Cell Wheat/Barley (Included W/G11551X)
	G10923601	-	Ejector Assembly, 104 Cell Rapeseed/Canola (Included W/G11340X)
A	G10750X	1	True Speed Meter W/Driver Assembly, Items 1-4

(109722)



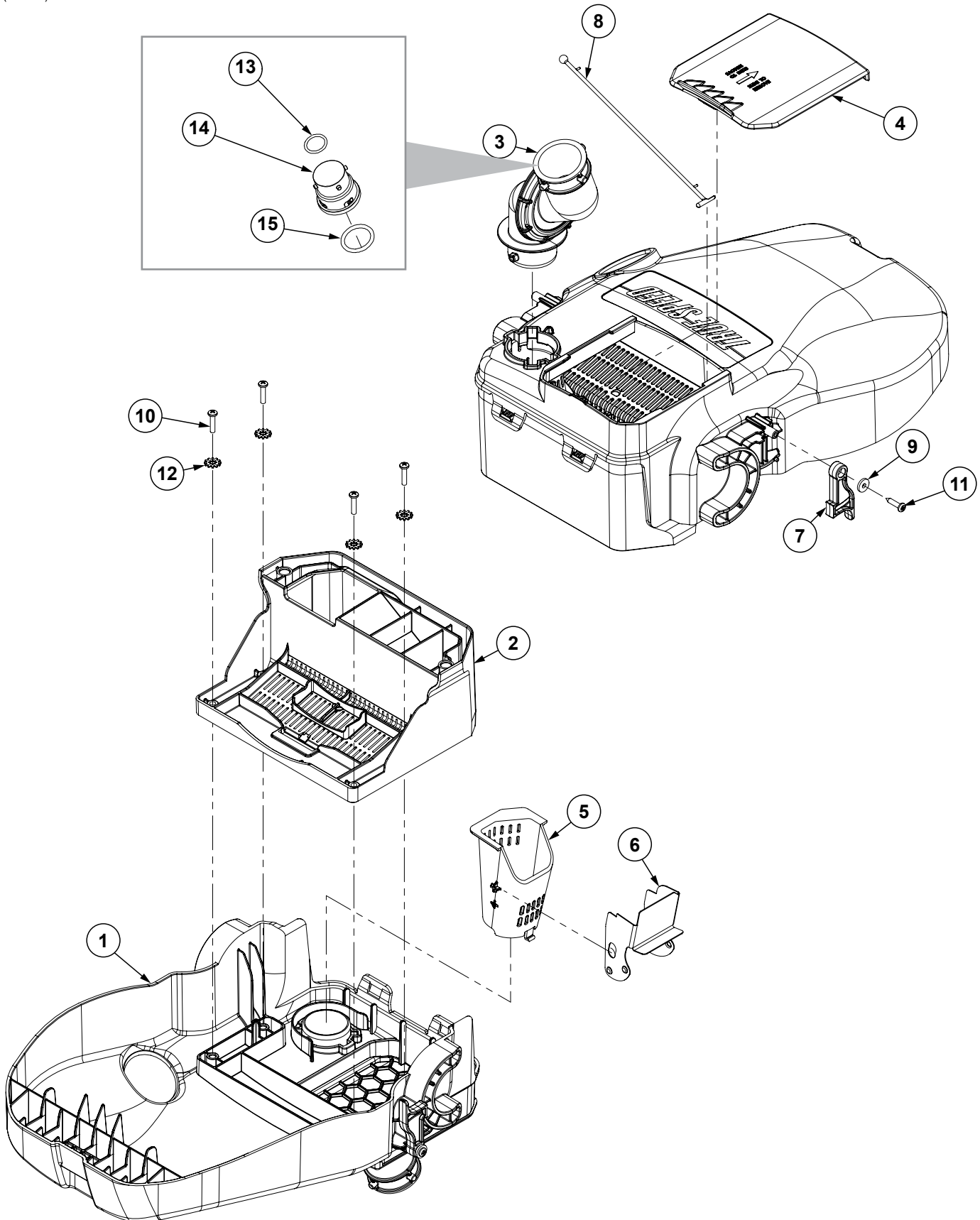
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10208401	1	Meter Housing
2	GB1275	1	Meter Baffle
3	GB1276	1	Door Baffle
4	GA27013	1	Singulator Assembly (Includes Items 13-14)
5	GD36954	1	Meter Wall Brush, Large
6	G10459801	1	Meter Wall Brush, Small
7	GB1307	1	Meter Housing Plug
8	GB1306	1	Meter Housing Plug
9	G10153101	1	Upper Seed Relief Insert
10	G10949902	1	Lower Seed Relief Insert
11	G11556	1	Phillips Pan Head Tapping Screw, 6-19 x ½"
12	G10181201	2	Phillips Pan Head Tapping Screw, No. 6-19 x ½"
13	GA27015	1	Outer Singulator Brush (Included W/Item 4)
14	GA27014	1	Inner Singulator Brush (Included W/Item 4)
15	G11619	4	Phillips Pan Head Tapping Screw, No. 6-19 x ⅜"
16	G10320201	1	Singulator Spring

(A27012)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10320401	1	Meter Cover W/Bearing Assembly
2	G10545601	1	Meter Gearcase Assembly
	GA27007	-	BLDC Motor (Included W/G10545601)
	GB1288	-	Meter Pinion Gear (Included W/G10545601)
	G11994	-	External Side Mount Retaining Ring (Included W/G10545601)
	G10263501	-	Hex Serrated Flange Machine Screw, No. 6-32 x ¾", Grade 5 (Included W/G10545601)
3	GB1281	1	Vacuum Elbow
4	GB1282	1	Meter Seal
5	GD36959	1	Ejector Arm Retention Spring
6	G10108302	1	Motor Foam Seal
7	GB1289	1	BLDC Cover Housing
8	G10429001	1	Motor Driver Assembly
9	GB1291	2	O-Ring
10	G11619	1	Phillips Pan Head Tapping Screw, No. 6-19 x ¾"
11	G10724301	6	Phillips Pan Head Machine Screw, No. 8-32 x 7/16"
12	G11578	4	Phillips Pan Head Tapping Screw, No. 8-18 x ½"
13	G11297	3	Phillips Pan Head Machine Screw #8 - 32 x 1⅜", Stainless Steel
14	G11201	1	Phillips Pan Head Machine Screw, No. 8-32 x 1", Stainless Steel
15	G10928	1	Hex Nut, No. 8-32, Stainless Steel

(103368)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10229302	1	Mini-Hopper Cover
2	GB1240	1	Mini-Hopper
3	GA26999	1	Bulk Fill Swivel Inlet
4	GB1242	1	Mini-Hopper Lid
5	G10506301	1	Bulk Fill Diffuser
6	G10199801	1	Diffuser Door
7	GB1246	1	Hopper Latch
8	GB1247	1	Tether
9	G11983	1	Flat Washer, No. 8
10	G11067	4	Phillips Pan Head Machine Screw, No. 8-32 x ¾", Stainless Steel
11	G11770	1	Phillips Pan Head Tapping Screw,
12	G10931	4	Lock Washer, No. 8, Internal/External, Stainless Steel
13	GD19508	-	Small O-Ring
14	GB0430	-	Bulk Fill Large Cap
15	GD19509	-	O-Ring, Large

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

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

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

[See "15" Seed Opener Disc Blade/Bearing Assembly and Scrapers" on page P13](#)

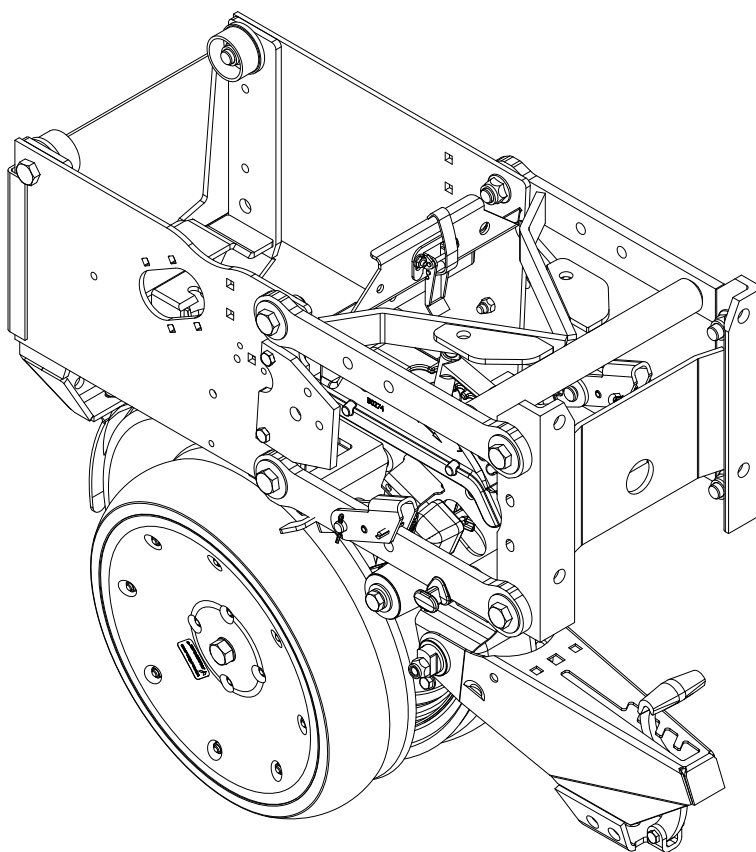
[See "Gauge Wheels" on page P15](#)

[See "'V' Closing Wheels" on page P17](#)

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

[See "Seed Hopper and Lid" on page P22](#)

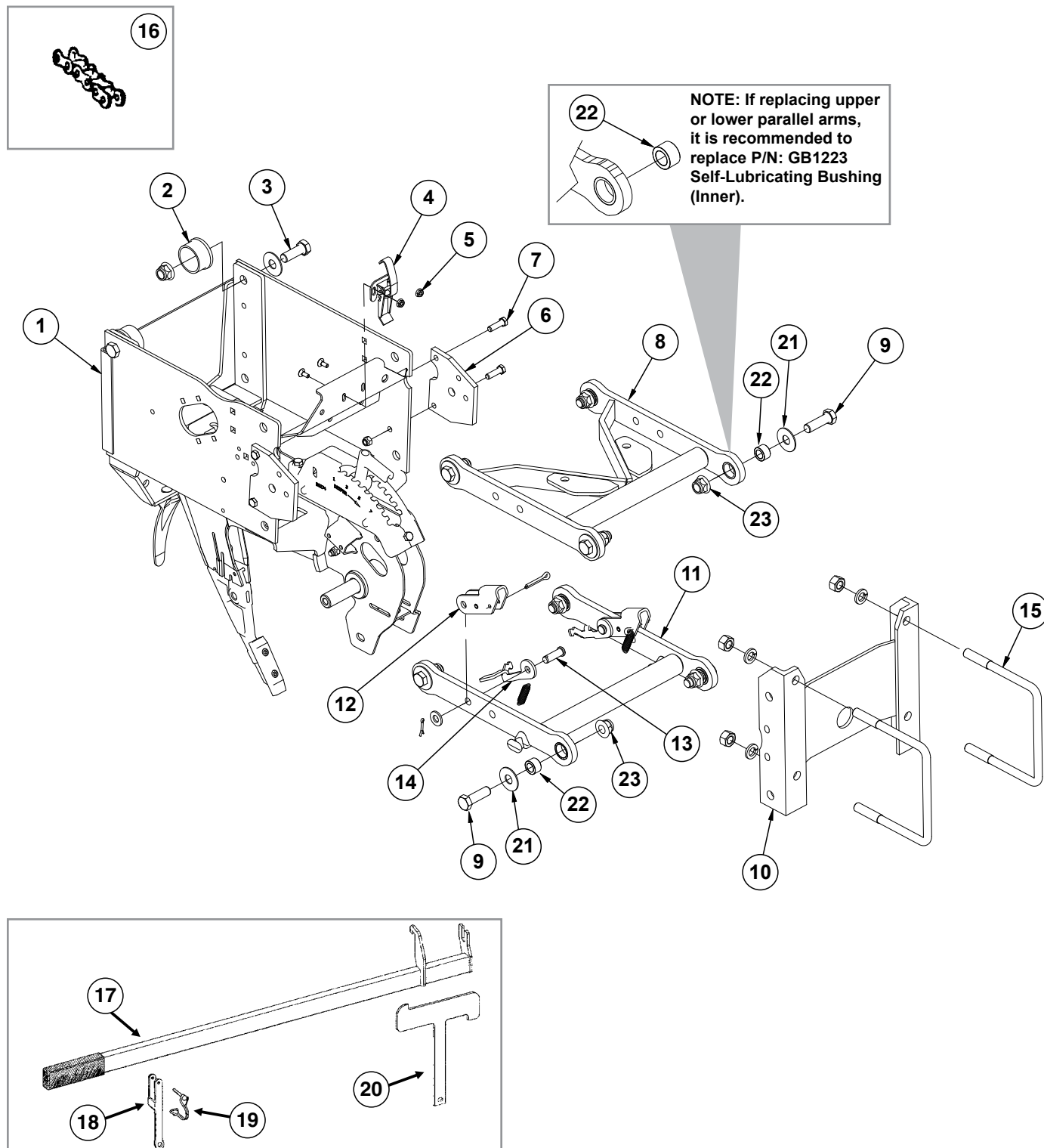
NOTE: Row unit assembly does not include the following: seed meter assembly, seed tube assembly, row unit hopper assembly, closing wheels, or seed meter clutch.



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
3	G10917X	1	Push Row Unit Assembly, Standard Gauge Wheel (True Speed)
4	G10918X	1	Push Row Unit Assembly, Spoked Gauge Wheel (True Speed)

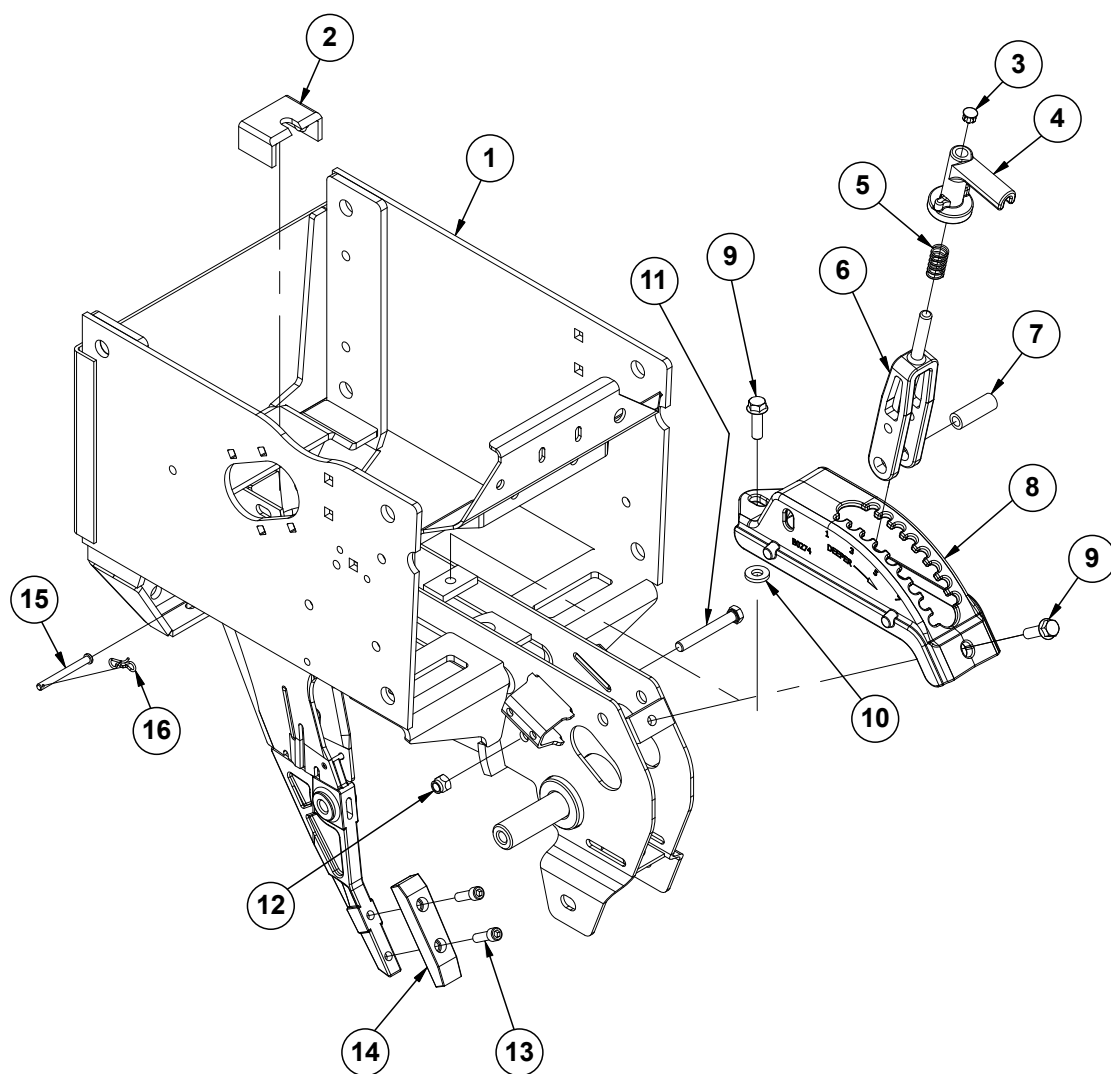
This page left blank intentionally.

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.



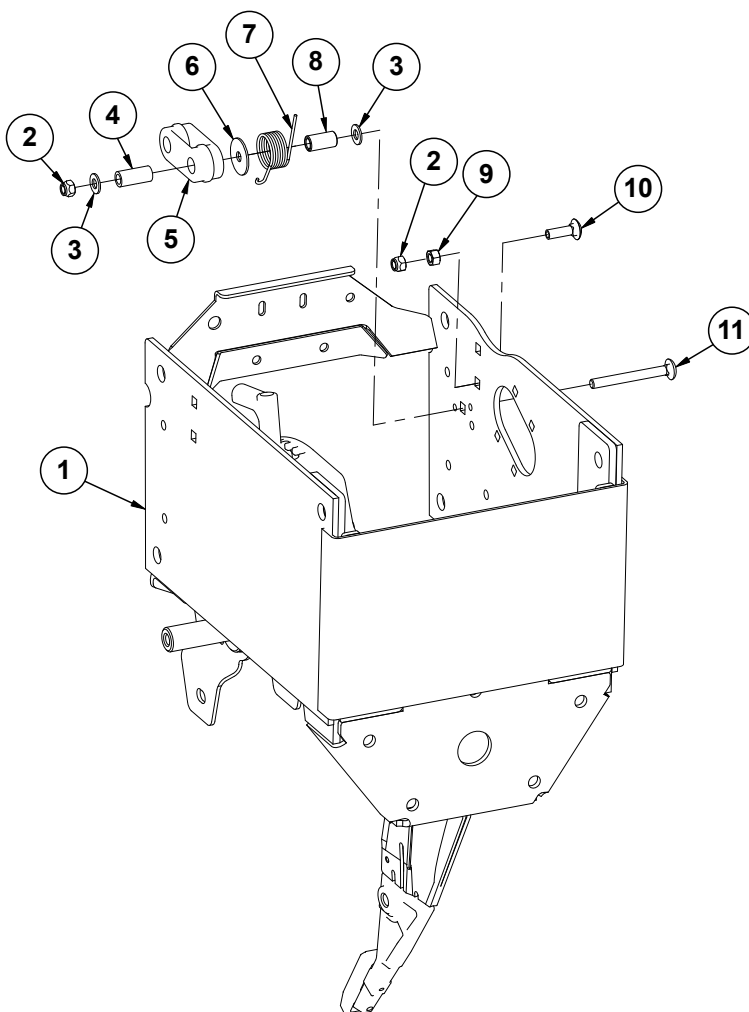
ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	1	See "Shank and Depth Adjustment (Split Row)" on page P59
2	GB0314	2	Hopper Mount
3	G10751	2	Hex Head Cap Screw, 5/8"-18 x 1 3/4"
	G11514	2	Lock Nut, 5/8"-18
4	GA2007	1	Hopper Hold Down Latch
5	G10621	2	Serrated Flange Nut, 1/4"-20
	G10309	2	Carriage Bolt, 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
	GD1114	2	U-Bolt, 7" 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
A	G1K534	-	Push Unit Lock-Up Kit, Items 6, and 12-14 (Includes GD24545 - Push Unit Stop)
B	G1K535	-	Push Unit Spring Lock-Up Kit, Items 12-14
C	G1K759	-	Push Row Unit Parallel Kit, Includes: (1) G10011301, (1) G10011401, (8) GB1223, (8) G11976, (2) G10732, (8) G11514, (6) G10751, (2) IS1066

(IP1585)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	GA26297	1	Push Row Unit Shank
2	GD16245	1	Sun Shade (Rubber)
3	GD3612	1	Cap Plug
4	GB0266	1	Handle, Depth Adjustment
5	GD10993	1	Spring
6	GB0267	1	Lever, Depth Adjustment
7	GD11259	1	Sleeve, $\frac{3}{8}$ " 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", Grade 8
14	G10038601	1	Scraper
15	G10551	1	Clevis Pin, $\frac{1}{4}$ " x $2\frac{1}{2}$ "
16	G10122301	1	Bow Tie Cotter Pin

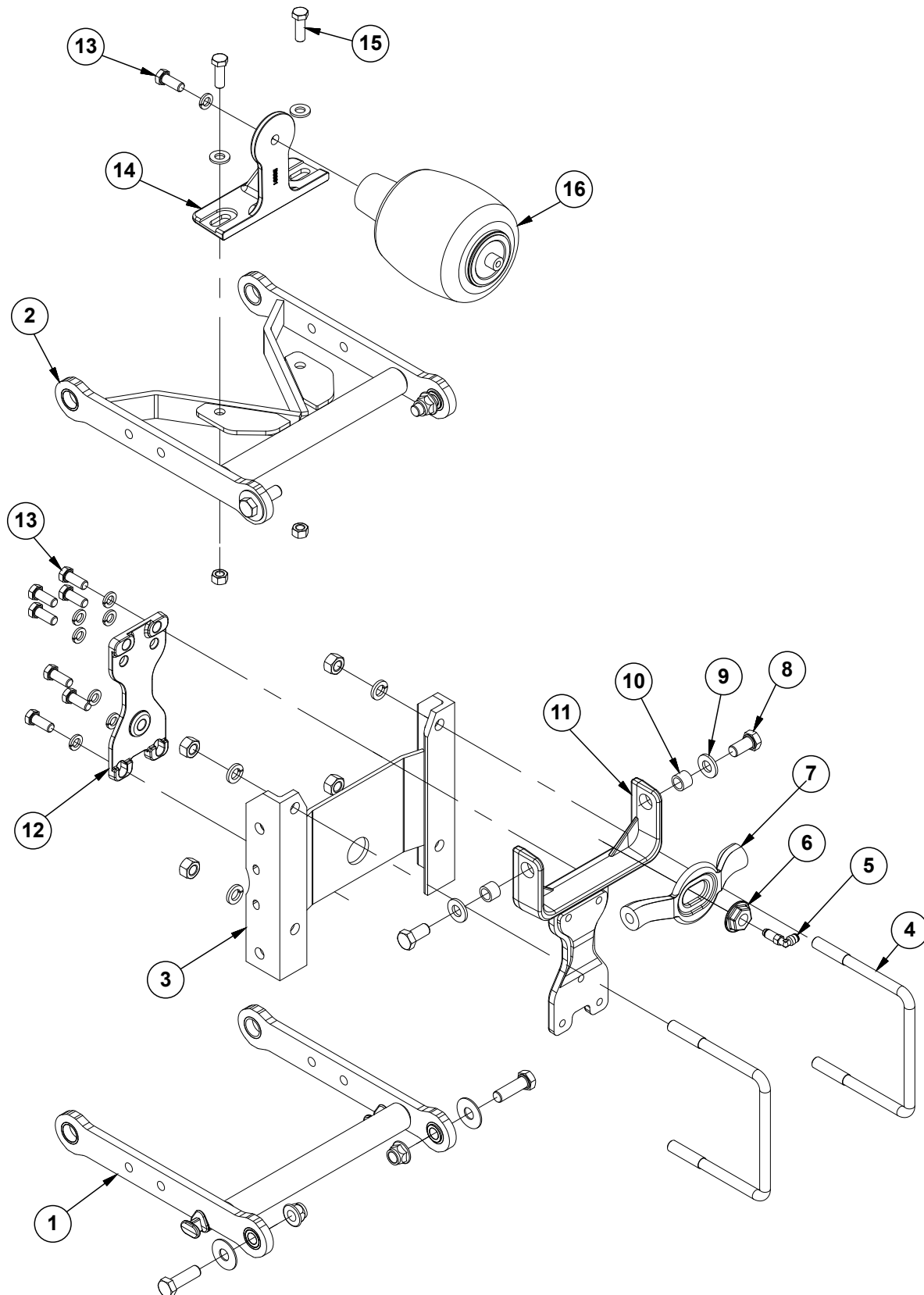
(IP1586)



ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	1	See "Shank and Depth Adjustment (Split Row)" on page P34
2	G10108	2	Lock Nut, $\frac{3}{8}$ "-16
3	G11387	2	Flat Washer, $\frac{3}{8}$ " SAE
4	GD8893-01	1	Sleeve, $1\frac{3}{8}$ " Long
5	GB0968	1	Idler
6	G10201	1	Special Washer, $\frac{3}{8}$ " x $1\frac{1}{2}$ " O.D.
7	GD11218	1	Spring
8	GD1026	1	Sleeve, $1\frac{3}{8}$ " Long
9	G10101	1	Hex Nut, $\frac{3}{8}$ "-16
10	G10599	1	Carriage Bolt, $\frac{3}{8}$ "-16 x $1\frac{1}{4}$ "
11	G10307	1	Carriage Bolt, $\frac{3}{8}$ "-16 x $3\frac{1}{2}$ "

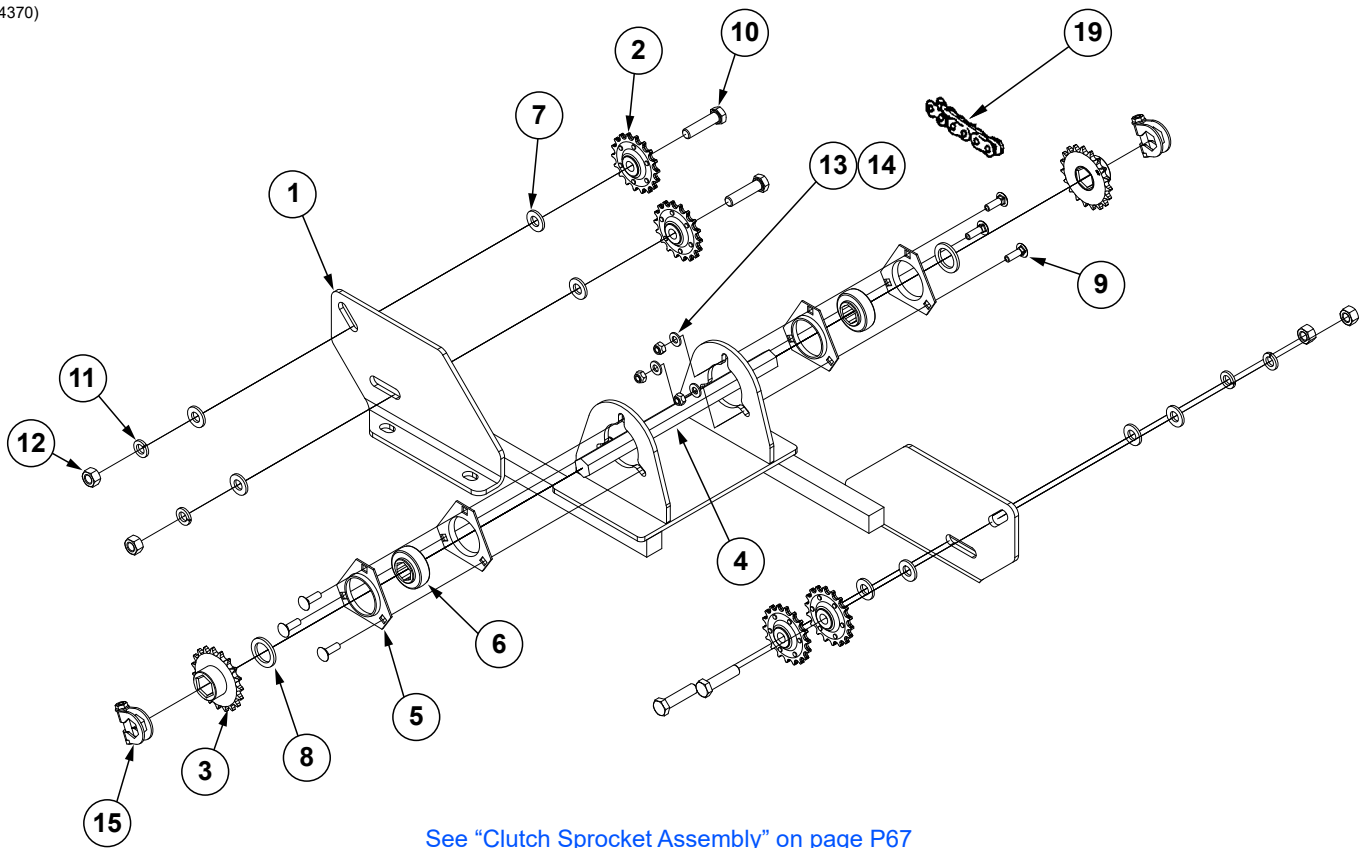
This page left blank intentionally.

(IP1641)

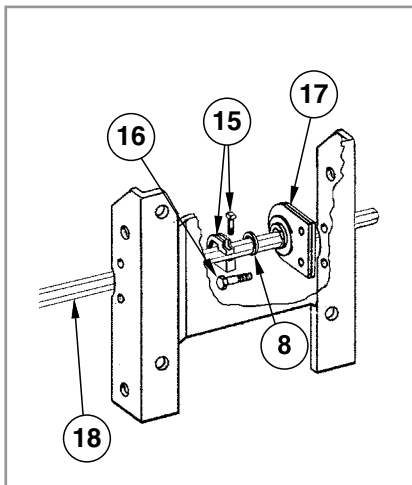


ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	---	See "Parallel Arms and Face Plate (Split Row)" on page P57
2	---	---	See "Parallel Arms and Face Plate (Split Row)" on page P57
3	---	1	See "Parallel Arms and Face Plate (Split Row)" on page P57
4	---	---	See "Parallel Arms and Face Plate (Split Row)" on page P57
5	GD18011	1	Elbow, $\frac{3}{8}$ " x $\frac{1}{8}$ " NPT Extended
6	GB0397	1	Shoulder Nut, $\frac{3}{4}$ "-16
7	GB0392	1	Yoke
8	G11018	2	Hex Head Cap Screw, $\frac{5}{8}$ "-18 x $1\frac{1}{4}$ "
9	G11391	2	Flat Washer, $\frac{5}{8}$ " SAE
10	GD3180-30	2	Sleeve, $\frac{7}{8}$ " O.D. x $\frac{5}{8}$ " I.D. x $2\frac{1}{32}$ "
11	GB0390	1	Yoke Mount
12	GB0389	1	Plate
13	G10037	8	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x $1\frac{1}{4}$ "
	G10228	8	Lock Washer, $\frac{1}{2}$ "
14	GB0391	1	Mount
15	G10037	2	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x $1\frac{1}{4}$ "
	G11389	2	Flat Washer, $\frac{1}{2}$ " Plated SAE
	G10071	2	Serrated Flange Nut, $\frac{1}{2}$ "-13
16	GA11982	1	Air Spring Assembly

(A24370)

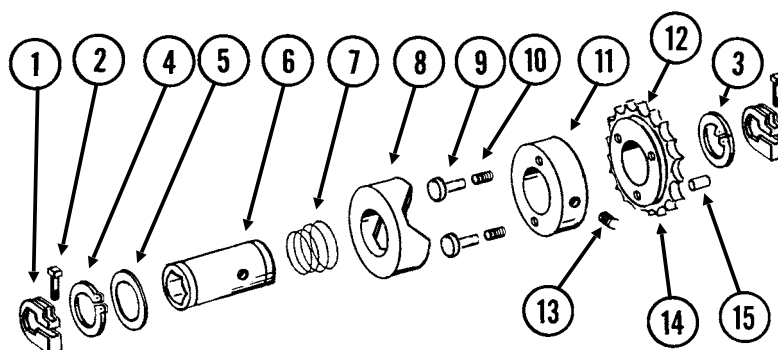


[See "Clutch Sprocket Assembly" on page P67](#)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA24373	1	Crossover
2	GA7154	4	Sprocket W/Bearing, 18 Tooth
3	GA5107	2	Sprocket, 19 Tooth
4	GD0914-12.5	1	Hex Shaft, 7/8" x 12 1/2"
5	G3400-01	4	Flangette
6	G2100-03	2	Bearing, 7/8" Hex Bore, Spherical
7	G11389	8	Flat Washer, 1/2" Plated SAE
8	G10233	2	Machine Bushing, 1 1/2" x 1/32", 10 Gauge (.1345")
9	G10303	6	Carriage Bolt, 5/16"-18 x 1"
10	G10016	4	Hex Head Cap Screw, 1/2"-13 x 2"
11	G10228	4	Lock Washer, 1/2"
12	G10102	4	Hex Nut, 1/2"-13
13	G11386	6	Flat Washer, 5/16" SAE
14	G10109	6	Lock Nut, 5/16"-18
15	GA11331	2	Hex Lock Clamp Assembly
16	G10001	-	Hex Head Cap Screw, 3/8"-16 x 1"
	G11091	-	Serrated Flange Nut, 3/8"-16
17	GA2180	-	Hanger Bearing, 7/8" Hex Bore
18	GD0914-155	-	Hex Shaft, 7/8" x 155" (No Holes), 6 Row 30"
	GD0914-215	-	Hex Shaft, 7/8" x 215" (No Holes), 8 Row 30"
19	G3310-122	2	Chain, No. 40, 122 Pitch Including Connector Link
	GR0912	-	Connector Link, No. 40 (Included W/G3310-122)

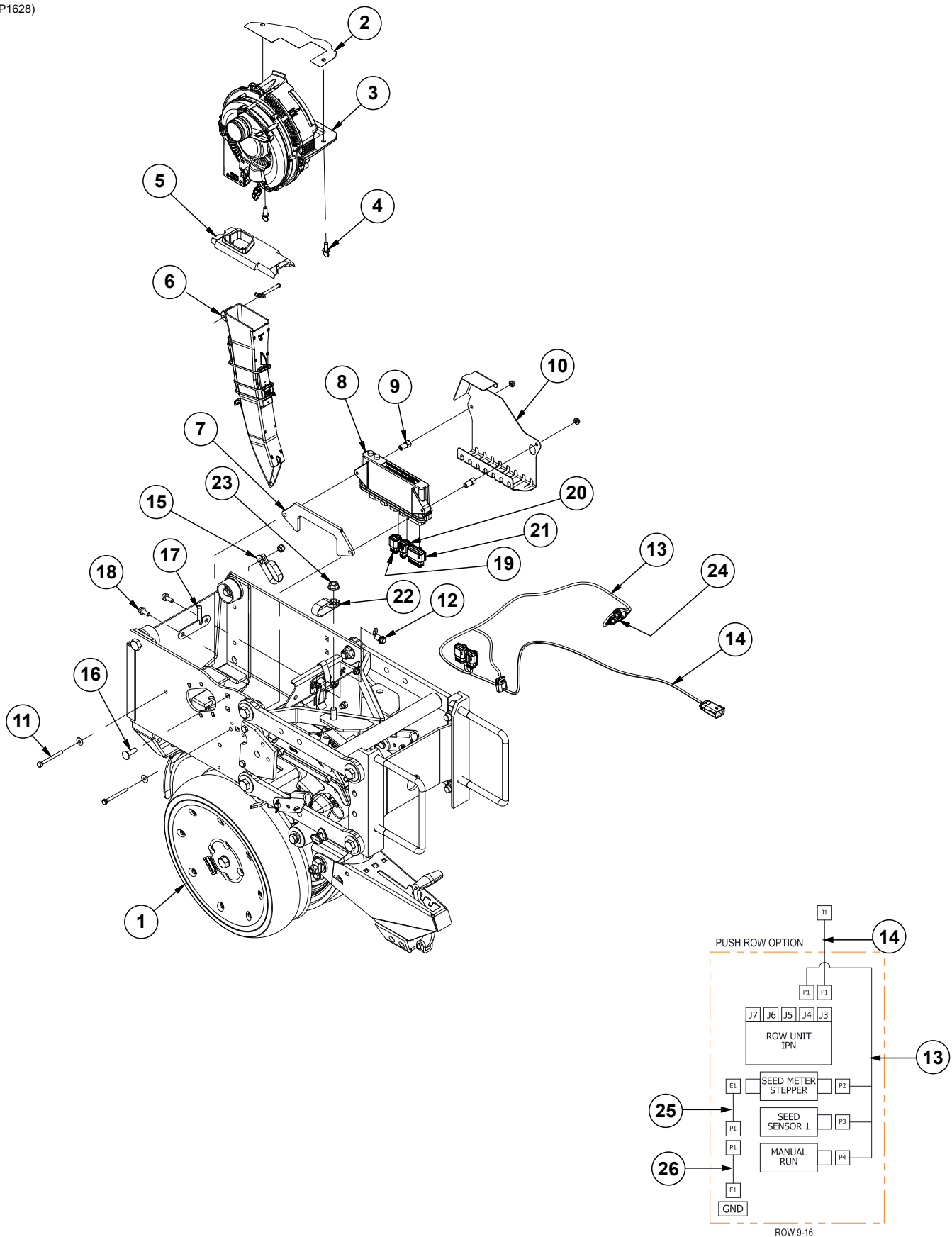
(TWL58g)



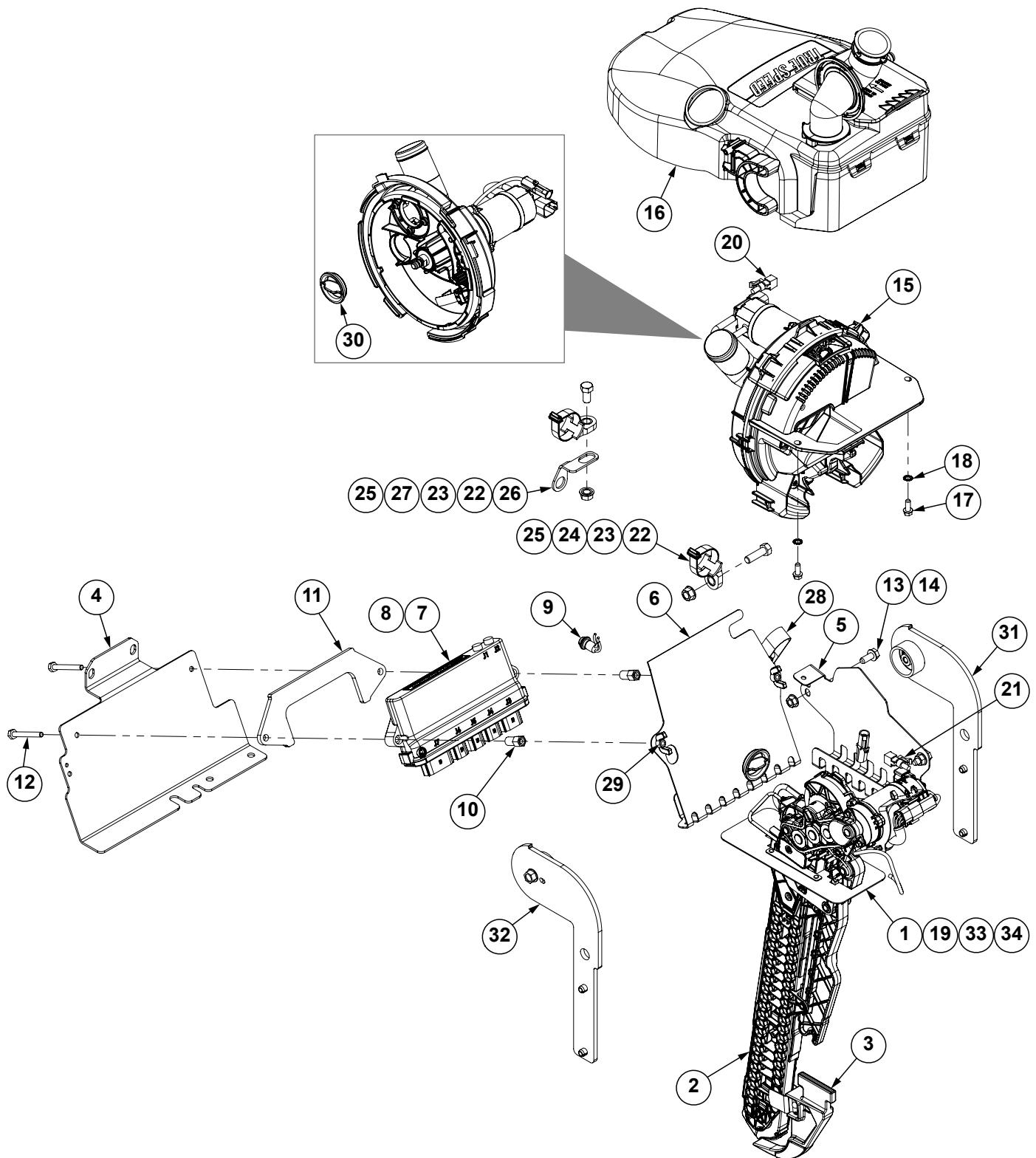
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD11045	-	Lock Clamp
2	G10130	-	Square Head Machine Bolt, $\frac{5}{16}$ "-18 x $1\frac{3}{4}$ "
	G10923	-	Flange Nut, $\frac{5}{16}$ "-18, No Serration
3	GD8306	2	U-Bolt, 7" x 5" x $\frac{1}{2}$ "-13
	G10228	4	Lock Washer, $\frac{1}{2}$ "
	G10102	-	Hex Nut, $\frac{1}{2}$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

This page left blank intentionally.

(IP1628)

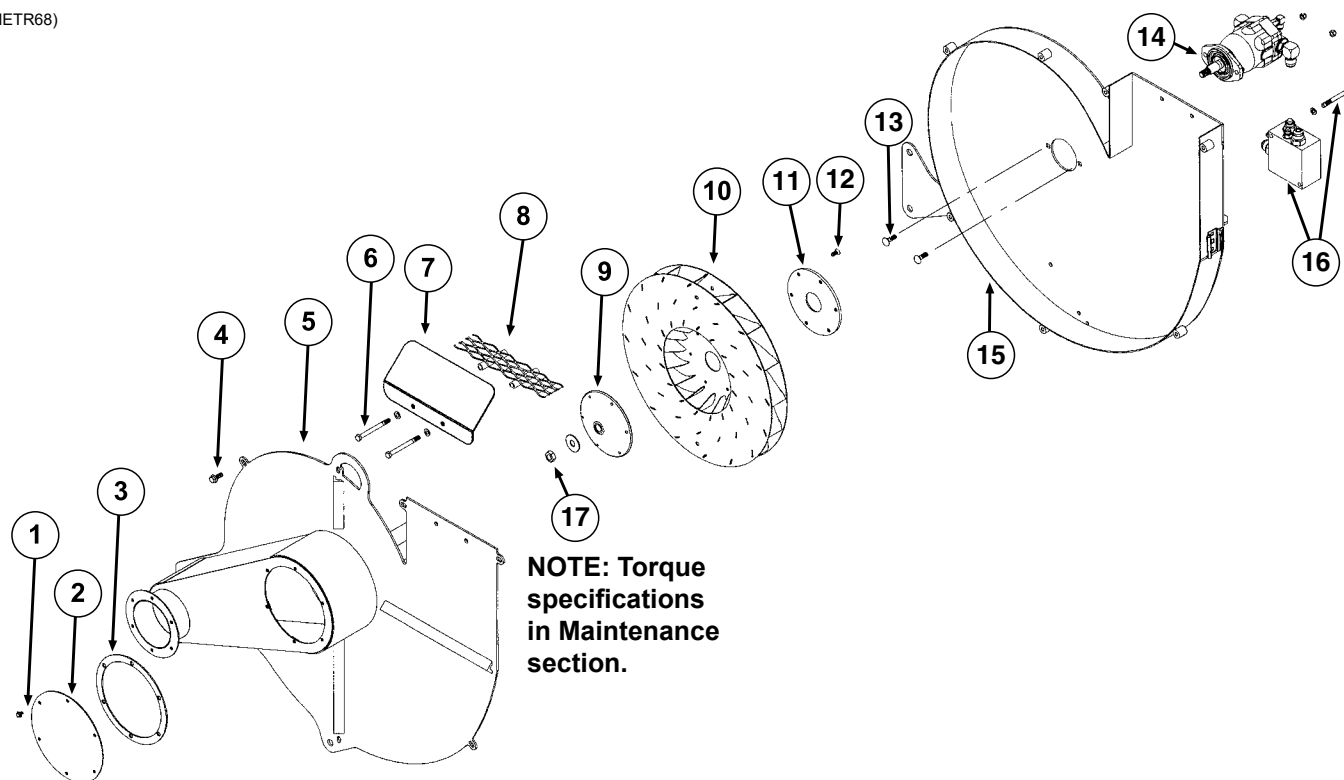


ITEM	PART NO.	QTY. (Per Row)	DESCRIPTION
1	---	1	See "Shank and Depth Adjustment (Split Row)" on page P59
2	GD29413	1	Hopper Shim
3	---	1	See "Vacuum Seed Meter" on page P27
4	G11009	2	Locking Thumbscrew, 5/16"-18 x 3/4"
5	GB0926	1	Shank Cover
6	GA20914	1	Seed Tube W/Computerized Sensor
	GA20902	-	Seed Tube (With Holes For Sensor Installation) (Included W/GA20914)
7	GD35629	1	IPN Row Unit Plate
8	GA25949	1	IPN Module Assembly
9	GD35609	2	Hex Standoff
10	GD35628	1	IPN Wire Shield, Push Unit
11	G11929	2	Hex Head Cap Screw, 1/4"-20 x 2 3/4", Grade 5
	G10209	2	Washer, 1/4" USS
	G10621	2	Serrated Flange Nut, 1/4"-20
12	GA15485	1	Button
13	GA25038	1	Row Unit Seed Meter Harness
14	GA25029	1	Row Unit Power Extension Harness
15	GD35449	1	Double Tube Clamp, 1"
16	G10599	1	Carriage Bolt, 3/8"-16 x 1 1/4"
	G10108	1	Lock Nut, 3/8"-16
17	GA25084	1	Meter Wire Guard
18	G11539	2	Hex Socket Flange Cap Screw, 5/16"-18 x 3/4"
	G10620	2	Serrated Flange Nut, 5/16"-18
19	GD35836	1	Sealed Plug, MX150, 2 x 4, Key B W/CPA
20	GD35837	1	Sealed Plug, MX150, 2 x 3, Key A W/CPA
21	GD35838	1	Sealed Plug, MX150, 2 x 10, Key A W/CPA
22	GD36388	1	Double Tube Clamp, 1" (1/2" Bolt)
23	G10071	1	Serrated Flange Nut, 1/2"-13
	G10037	1	Hex Head Cap Screw, 1/2"-13 X 1 1/4"
	G11389	1	Flat Washer, 1/2" Plated SAE
24	A18933	1	4-Pin Dust Plug
25	GA20711	-	Seed Meter Motor ESD Drain Harness
26	GA21451	-	Seed Meter Motor ESD Drain Harness



ITEM	PART NO.	QTY. (per row)	DESCRIPTION
1	G10800501 GD36951 G11996	1 - -	Seed Delivery Rail Seed Delivery Spring Slotted Spring Pin, $\frac{3}{16}$ " x $2\frac{1}{4}$ "
2	---	1	See "True Speed Seed Delivery System W/Driver" on page P41
3	G10418802	1	Disc Opener Scraper Assembly
4	G10617901	1	IPN Row Unit Mount
5	G10267401	1	Wire Tray
6	G10267601	1	IPN Wire Shield, 3000 Series
7	GA25949	1	IPN Module Assembly
8	---	---	---
9	GA15485	1	Button
10	GD35609	2	Hex Standoff
11	GD35629	1	IPN Row Unit Plate
12	G10265601	2	Hex Head Cap Screw, $\frac{1}{4}$ "-20 x $2\frac{1}{4}$ ", Grade 5
13	G11539	2	Hex Socket Flange Cap Screw, $\frac{5}{16}$ "-18 x $\frac{3}{4}$ "
14	G10620	2	Serrated Flange Nut, $\frac{5}{16}$ "-18
15	---	1	See "True Speed Seed Meter" on page P47
16	---	1	See "True Speed Mini-Hopper" on page P53
17	G10960	2	Hex Non-Serrated Flange Cap Screw, $\frac{1}{4}$ "-20 x $\frac{5}{8}$ ", Grade 5
18	G11249	2	External Tooth Washer, $\frac{1}{4}$ "
19	G10210701	1	True Speed Row Unit Harness
20	G10213601	1	True Speed ESD Ground Strap Harness
21	G10213602	1	True Speed ESD Ground Strap Harness
22	10176901	2	Cable Tie, $\frac{1}{2}$ " x 12" (Black)
23	G10088301	2	Cable Tie Mount, $\frac{3}{8}$ "
24	G10004	1	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $1\frac{1}{4}$ "
25	G10622	2	Serrated Flange Nut, $\frac{3}{8}$ "-16
26	G10320601	1	Cable Tie Bracket Plate
27	G10002	1	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $\frac{3}{4}$ "
28	GD35449	1	Double Tube Clamp, 1"
29	G10531	2	Wing Nut W/Nylon Insert, $\frac{1}{4}$ "-20
30	G10230101	1	True Speed Meter Vacuum Plug
31	G10375501	1	True Speed Hopper Mount, Split Row
32	G10375401	1	True Speed Hopper Mount, Split Row
33	GD26288	1	Cap, 6-Pin Deutsch Plug
34	G10266701	1	Dust Cap, 8 Pin

(METR68)

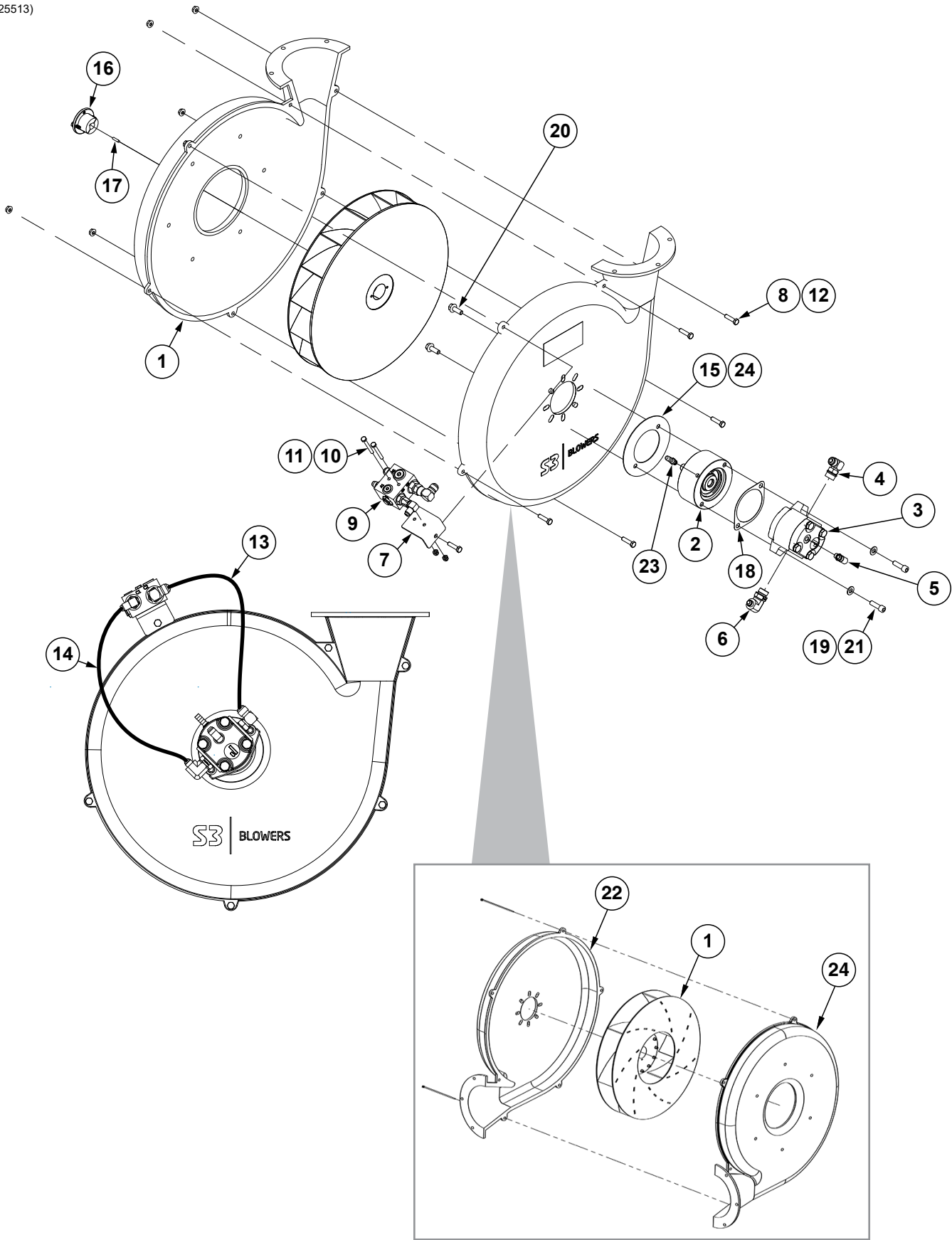


NOTE: Torque specifications in Maintenance section.

ITEM	PART NO.	QTY.	DESCRIPTION
1	G11166	6	Whiz Lock Bolt, 1/4"-20 x 3/4"
2	GD16233	1	Manifold
3	GD16241	1	Gasket
4	G11124	7	Whiz Lock Bolt, 3/8"-16 x 1"
5	GA11086	1	Cover
6	G10063	2	Hex Head Cap Screw, 3/8"-16 x 4"
	G11387	2	Flat Washer, 3/8" SAE
	G10108	2	Lock Nut, 3/8"-16
7	GD15863	1	Discharge Deflector
8	GA11987	2	Screen
9	GD35847	1	Hub
10	GA10635	1	Impeller
11	G10234201	1	Backing Plate
12	G11133	6	Hex Socket Head Cap Screw, 5/16"-18 x 3/4", Grade 8
13	G10599	2	Carriage Bolt, 3/8"-16 x 1 1/4"
	G11387	2	Hardened Washer, 3/8" SAE
	G10108	2	Lock Nut, 3/8"-16
14	---	-	See "Vacuum Fan Hydraulic Motor Assembly, 6 Row" on page P83
15	GA11085	1	Shroud
16	---	-	See "Vacuum Fan Motor Valve Block Assembly (Located Below Vacuum Fan Motor Assembly), 6 Row" on page P85
17	G11389	1	Flat Washer, 1/2" Plated SAE
	G11704	1	Hex Jam Nut, 1/2"-20, Grade 2
A	GA24546	-	Vacuum Fan Assembly (Items 1-17 on this page and Items 22-24 on See "Vacuum Fan Hydraulic Components, 6 Row" on page P79)

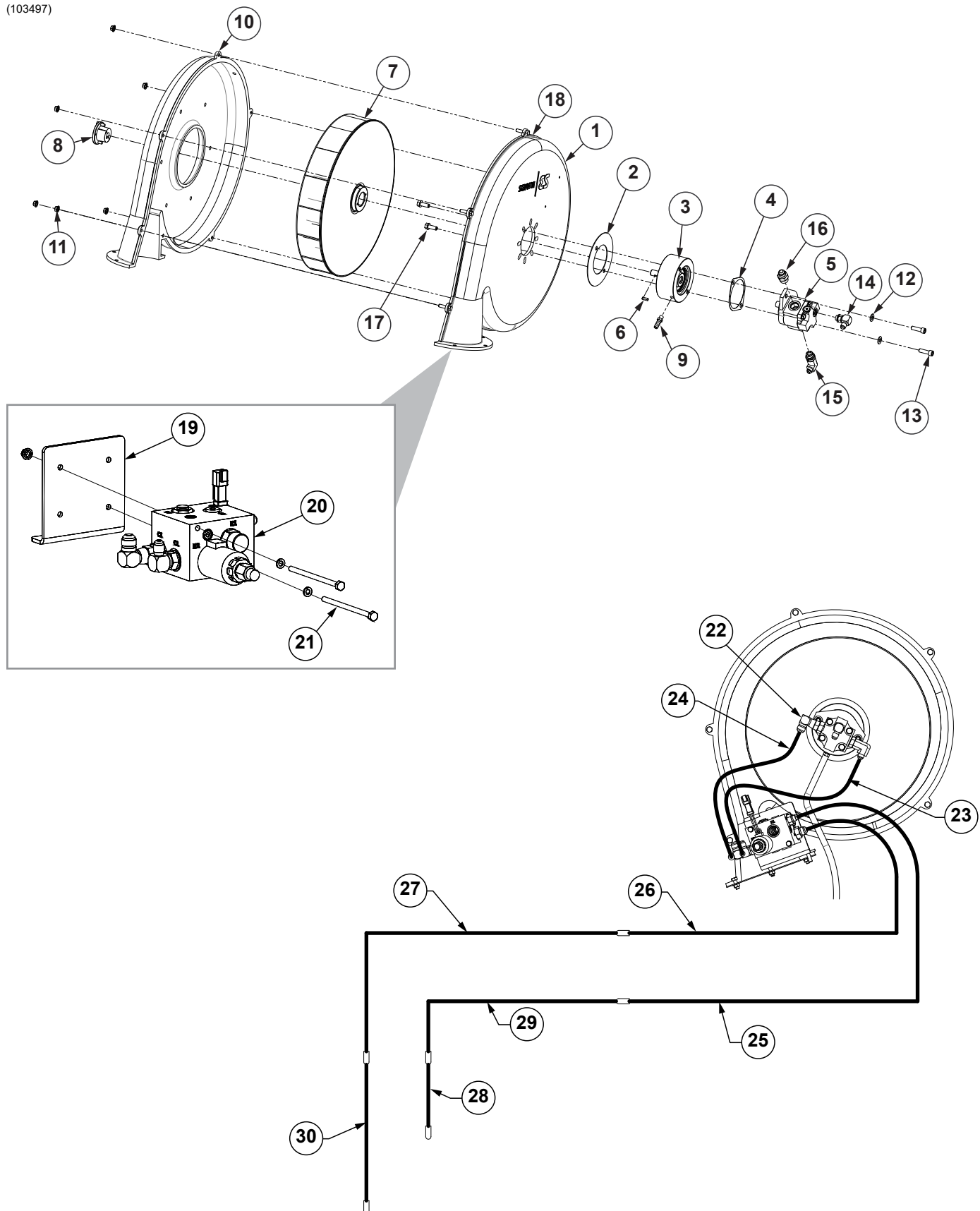
This page left blank intentionally.

(A25513)



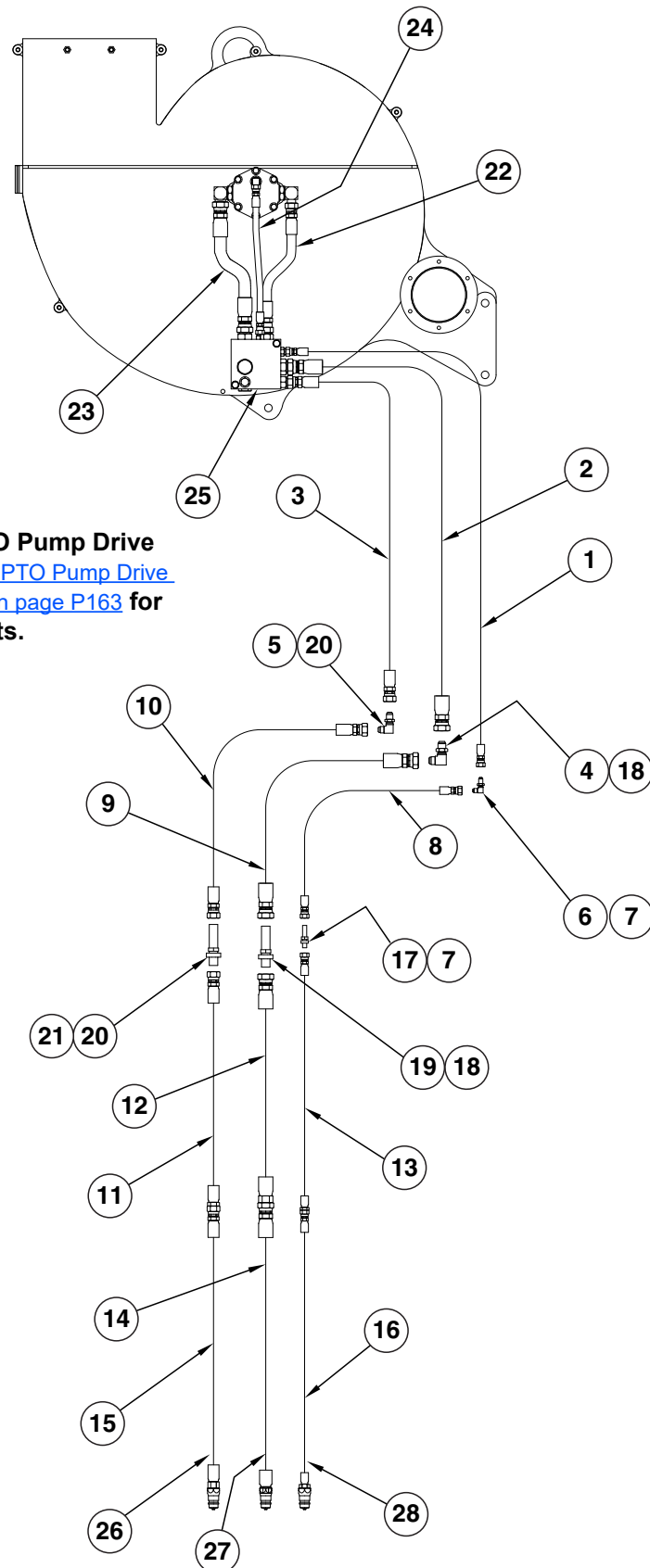
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA21510	1	Impellor
2	GA25388	1	Overhurd Load Adapter
3	GA24426	1	Motor
	G10706401	-	Key
	GR2332	-	Seal Kit
4	G6801-08-10 GR1466	1	Elbow W/O-Ring, 90°, ¾"-16 Male JIC To 7/8"-14 O-Ring O-Ring
5	G6801-06-04	1	Elbow, 90°, 9/16"-18 x 7/16"-20 W/O-Ring
6	G6801-06-08	1	Elbow W/O-Ring, 90°, 9/16"-18 Male JIC To ¾"-16 O-Ring
7	GD34098	1	Plate Mount Bracket
8	G10171	6	Hex Head Cap Screw, 5/16"-18 x 1¼"
9	GA26398	1	Bulk Fill/Vacuum Anti-Cavitation Check
10	G10880	2	Hex Head Cap Screw, ¼"-20 x 2¼"
11	G11320	2	Lock Nut, ¼"-20, Grade B
12	G10620	6	Serrated Flange Nut, 5/16"-18
13	*A12767	1	Hose Assembly, ½" x 22" (08F-08F)
14	*A3292	1	Hose Assembly, 3/8" x 22"
15	GD25644	1	Cover Plate
16	GD34103	1	Bushing
17	GD21300	1	Key
18	GD30882	1	2-Bolt Mount Gasket
19	G11387	2	Flat Washer, 3/8" SAE
20	G11124	2	Hex Serrated Flange Cap Screw, 3/8"-16 x 1"
21	G11848	2	Hex Socket Head Cap Screw, 3/8"-16 x 1¼"
22	G10102301	1	Vacuum Fan Drive Case
23	GD35294	1	Hose Barb, 1/8"-27 NPTF x 3/8"
24	GD35447	1	Inlet Housing
A	GA25513	-	Vacuum Fan Assembly Complete W/Motor (Items 1-24)

(103497)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10102301	1	Vacuum Fan Drive Case
2	GD25644	1	Cover Plate
3	GA25388	1	Overhurd Load Adapter
4	GD30882	1	2-Bolt Mount Gasket
5	G10164001	1	Hydraulic Motor
	GR2381	-	Seal Kit
6	GD21300	1	Key
7	GA21510	1	Impellor
8	GD34103	1	Bushing
9	GD35294	1	Hose Barb, 1/8"-27 NPTF x 3/8"
10	GD35447	1	Inlet Housing
11	G10620	6	Serrated Flange Nut, 5/16"-18
12	G11387	2	Flat Washer, 3/8" SAE
13	G11848	2	Hex Socket Head Cap Screw, 3/8"-16 x 1 1/4"
14	G6801-06	1	Elbow W/O-Ring, 90°, 1/8"-18 Male JIC To O-Ring
	GR1045	-	O-Ring
15	G6801-L-06-08	1	Long Elbow W/O-Ring, 90°, 1/8"-18 x 3/4"-16
16	6400-08-10	1	Connector W/O-Ring, 3/4"-16 Male JIC To 1/2"-14 O-Ring
	GR1466		O-Ring
17	G11124	2	Hex Serrated Flange Cap Screw, 3/8"-16 x 1"
18	G10171	6	Hex Head Cap Screw, 5/16"-18 x 1 1/4"
19	G10349801	1	Fan Block Mount Plate
20	---	1	See "Vacuum Valve Block, Blue Drive" on page P196
21	G11203	2	Hex Head Cap Screw, 1/4"-20 x 4 1/2"
	G10227	2	Lock Washer, 1/4"
	G10621	2	Serrated Flange Nut, 1/4"-20
22	G6500-08	1	Swivel Elbow, 90°, 3/4"-16 Male JIC To Female
23	*A15081-30	1	Hose Assembly, 3/8" x 30" (06F-06F)
24	*A18667-24	1	Hose Assembly, 1/2" x 24" (08F-08F)
25	*A15082-172	1	Hose Assembly, 3/8" x 172" (06F-06M JIC)
26	*A18668-172	1	Hose Assembly, 1/2" x 172" (08F-10M)
27	*A21525-77	1	Hose Assembly, 5/8" x 77" (10F-10M)
28	*A12016	1	Hose Assembly, 3/8" x 86" (06M-06F)
29	*A15082-77	1	Hose Assembly, 3/8" x 77" (06F-06M)
30	*A11407	1	Hose Assembly, 5/8" x 84" (10F - 12M)
A	G10349701	-	Vacuum Fan Assembly Complete W/Motor (Items 1-18)

(IP1269a)

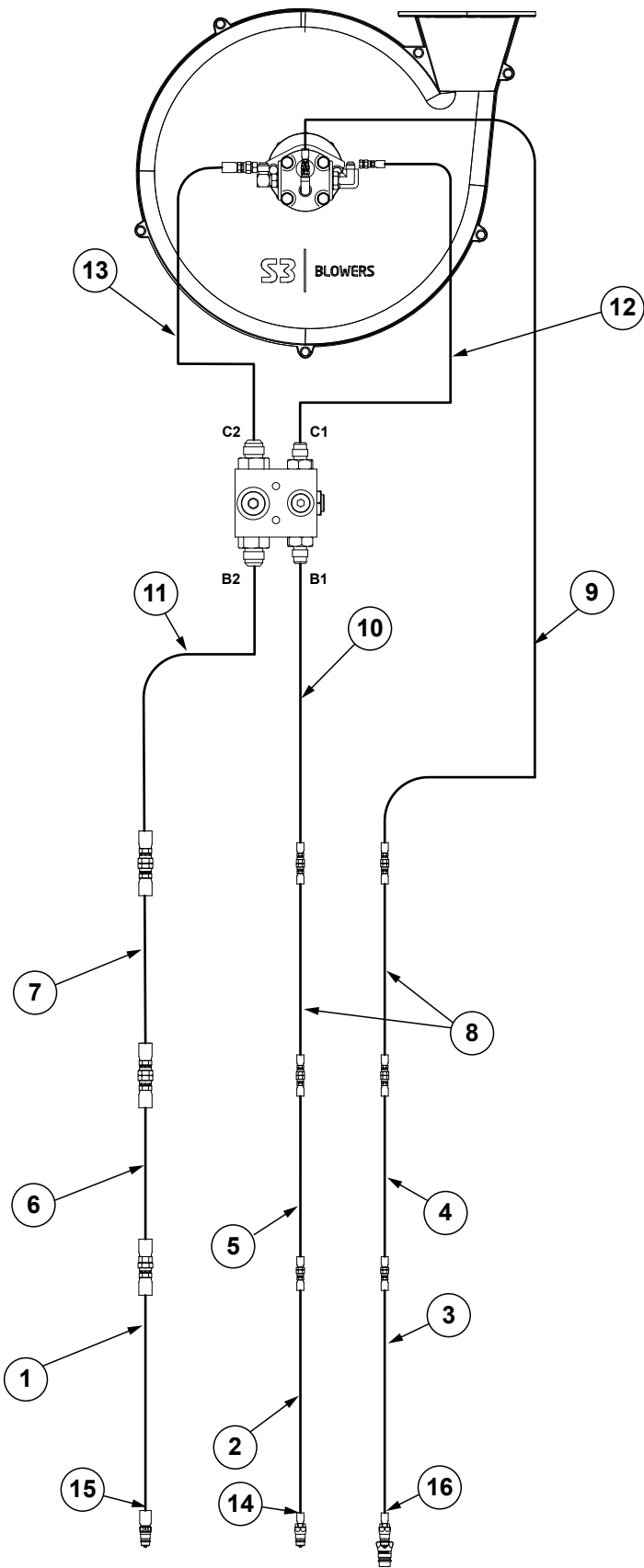


NOTE: If equipped with PTO Pump Drive And Oil Cooler Option See [“PTO Pump Drive and Oil Cooler Option, 6 Row”](#) on page P163 for those hydraulic components.

ITEM	PART NO.	QTY.	DESCRIPTION
1	*A12081	1	Hose Assembly, 3/8" x 58"
2	*A12924	1	Hose Assembly, 3/4" x 54"
3	*A8280	1	Hose Assembly, 1/2" x 54"
4	G2701-12	1	Bulkhead Elbow, 90°, 1 1/16"-12 Male JIC
5	G2701-10	1	Bulkhead Elbow, 90°, 7/8"-14 Male JIC
6	G2701-06	1	Bulkhead Elbow, 90°, 9/16"-18 Male JIC
7	G306-06	2	Lock Nut, 9/16"-18
8	*A12080	1	Hose Assembly, 3/8" x 64"
9	*A12925	1	Hose Assembly, 3/4" x 62"
10	*A1460	1	Hose Assembly, 1/2" x 62"
11	*A8274	1	Hose Assembly, 1/2" x 86"
12	*A3368	1	Hose Assembly, 3/4" x 86"
13	*A12016	1	Hose Assembly, 3/8" x 86"
14	*A21548-150	1	Hose Assembly, 5/8" x 150" (12F-1/2M NPTF W/Ext., W/Tip)
15	*A18693-150	1	Hose Assembly, 1/2" x 150" (10F-1/2M NPTF W/Ext., W/Tip)
16	*A26938-152	1	Hose Assembly, 3/8" x 152" (06F-1/2M NPTF W/Ext., W/Tip)
17	G2700-06-06	1	Bulkhead Tube Union, 9/16"-18 Male JIC
18	G306-12	2	Lock Nut, 1 1/16"-12
19	G2700-12	1	Bulkhead Tube Union, 1 1/16"-12 Male JIC
20	G306-10	2	Lock Nut, 7/8"-14
21	G2700-10	1	Bulkhead Tube Union, 7/8"-14 Male JIC
22	*A8261	1	Hose Assembly, 1/2" x 13 1/2"
23	*A3352	1	Hose Assembly, 3/4" x 13 1/2"
24	*A12015	1	Hose Assembly, 3/8" x 17"
25	---	-	See "Vacuum Fan Motor Valve Block Assembly (Located Below Vacuum Fan Motor Assembly), 6 Row" on page P85
26	GA26924-05	1	Hose Label/Cover, Green (Extend)
27	GA26924-06	1	Hose Label/Cover, Green (Retract)
28	GA26924-11	1	Hose Label/Cover, Orange (Retract)

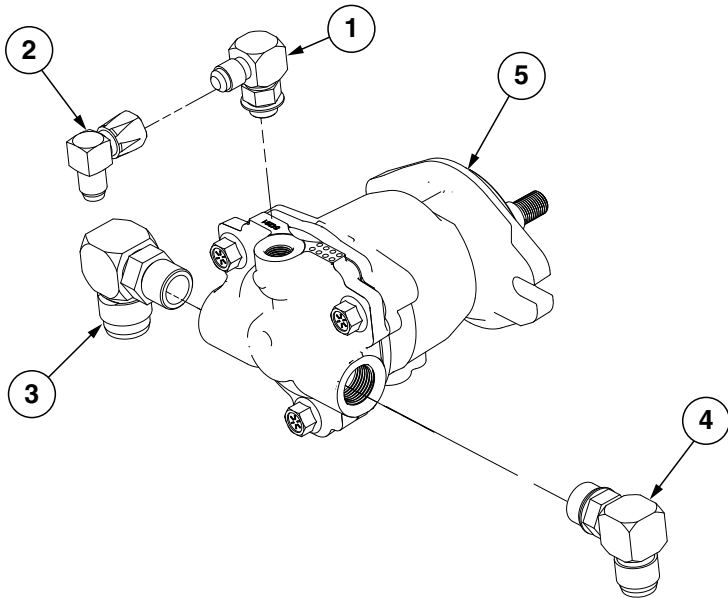
* Hydraulic hose is not stocked by Kinze Repair Parts.

(A10944)



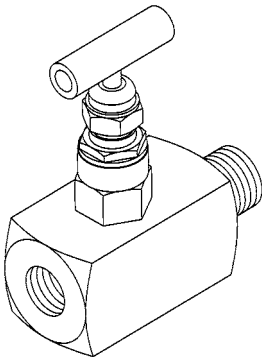
ITEM	PART NO.	QTY.	DESCRIPTION
1	*A21548-174	1	Hose Assembly, 5/8" x 174" (12F-1/2M NPTF W/Ext., W/Tip)
2	*A26941-174	1	Hose Assembly 3/8" x 174" (10F-1/2M NPTF W/Ext., W/Tip)
3	*A26938-174	1	Hose Assembly, 3/8" x 174" (06F-1/2M NPTF W/Ext., W/Tip)
4	*A12016	1	Hose Assembly, 3/8" x 86" (06M-06F)
5	*A15090-86	1	Hose Assembly, 3/8" x 86" (06F-10M)
6	*A11407	1	Hose Assembly, 5/8" x 84 (10F - 12M)
7	*A21525-77	1	Hose Assembly, 5/8" x 77" (10F-10M)
8	*A15082-77	2	Hose Assembly, 3/8" x 77" (06F-06M)
9	*A15000	1	Hose Assembly, 3/8" x 164" (06F-06F)
10	*A15023	1	Hose Assembly, 3/8" x 154"
11	*A18668-152	1	Hose Assembly, 1/2" x 152" (08F-10M)
12	*A3292	1	Hose Assembly, 3/8" x 22"
13	*A12767	1	Hose Assembly, 1/2" x 22" (08F-08F)
14	GA26924-05	1	Hose Label/Cover, Green (Extend)
15	GA26924-06	1	Hose Label/Cover, Green (Retract)
16	GA26924-11	1	Hose Label/Cover, Orange (Retract)
* Hydraulic hose is not stocked by Kinze Repair Parts.			

(A10636)



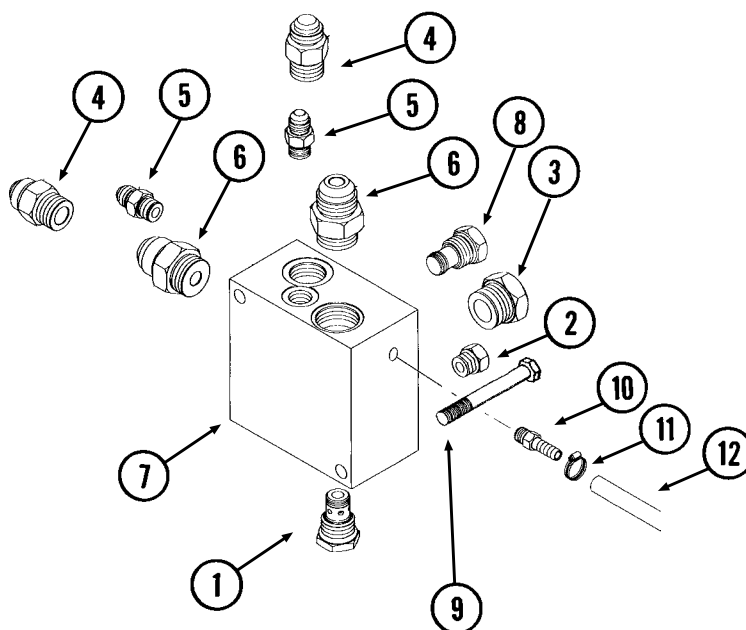
ITEM	PART NO.	QTY.	DESCRIPTION
1	G6801-06 GR1045	1 -	Elbow W/O-Ring, 90°, 9/16"-18 Male JIC To O-Ring O-Ring
2	G6500-06	1	Swivel Elbow, 90°, 9/16"-18 Male JIC To Female
3	G6801-12-10 GR1466	1	Elbow W/O-Ring, 90°. 1 1/16"-12 Male JIC To 7/8"-14 O-Ring O-Ring
4	G6801-10 GR1466	1	Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To O-Ring O-Ring
5	GA24543 GR2314 GR2333	1 - -	Hydraulic Motor Motor Key Seal Kit

(A11650)



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

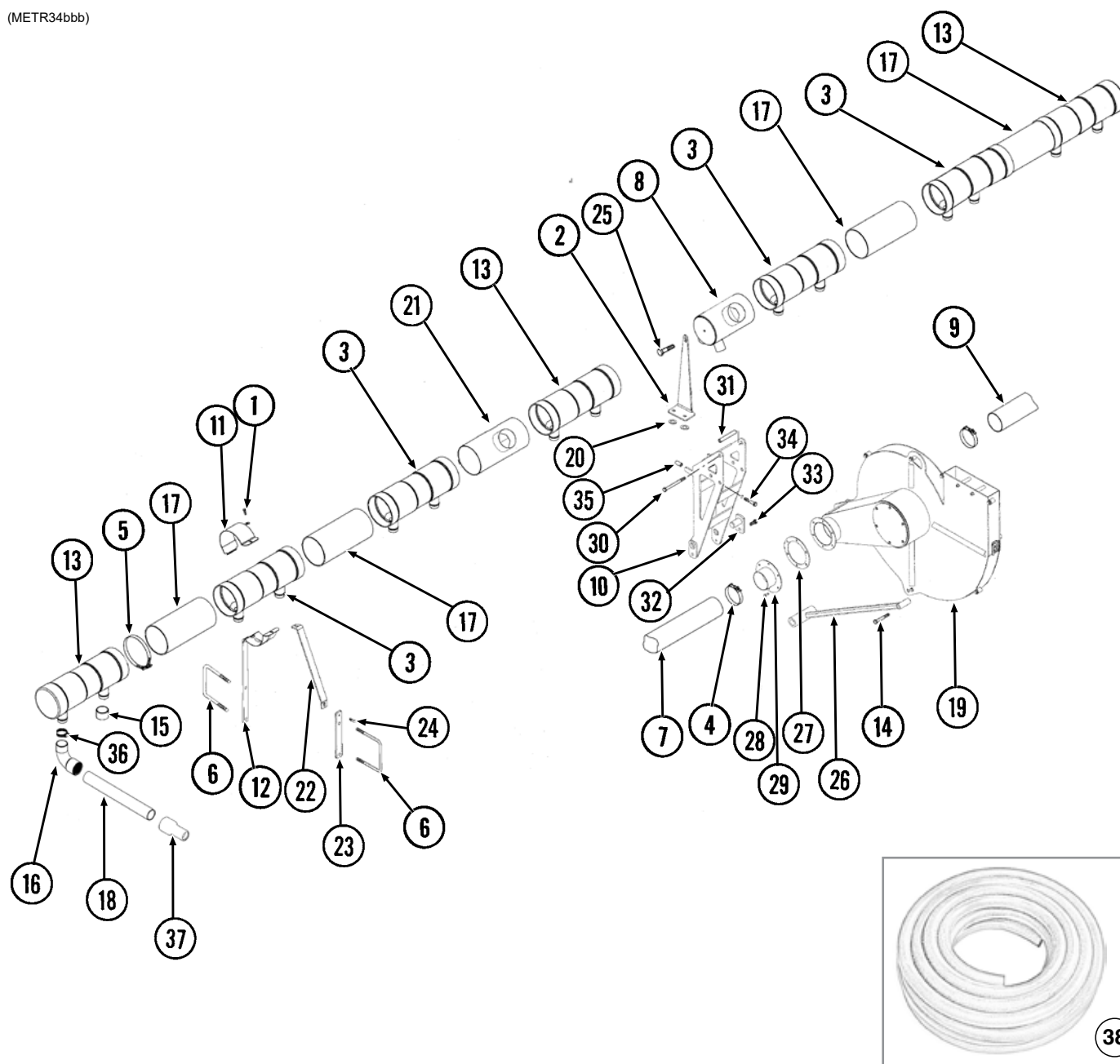
(A11068d)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA4293 GR2041	1 -	Check Valve Seal Kit
2	G6408-06 GR1045	1 -	Plug W/O-Ring, $\frac{9}{16}$ "-18 O-Ring
3	G6408-12 GR1467	1 -	Plug W/O-Ring, $1\frac{1}{16}$ "-12 O-Ring
4	G6400-10 GR1466	2 -	Connector W/O-Ring, $\frac{7}{8}$ "-14 Male JIC To O-Ring
5	G6400-06 GR1045	2 -	Connector W/O-Ring, $\frac{9}{16}$ "-18 Male JIC To O-Ring
6	G6400-12 GR1467	2 -	Connector W/O-Ring, $1\frac{1}{16}$ "-12 Male JIC To O-Ring
7	GD16188	1	Valve Block
8	GA11934	1	Relief Valve Cartridge
9	G10809 G10229	2 2	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $3\frac{1}{4}$ " Lock Washer, $\frac{3}{8}$ "
10	GD11700	1	Adapter, $\frac{1}{4}$ " NPT To $\frac{3}{8}$ " Barb
11	G10681	1	Hose Clamp, No. 6
12	GD6279-05	1	Clear Plastic Tubing, $\frac{9}{16}$ " O.D. x 60"

This page left blank intentionally.

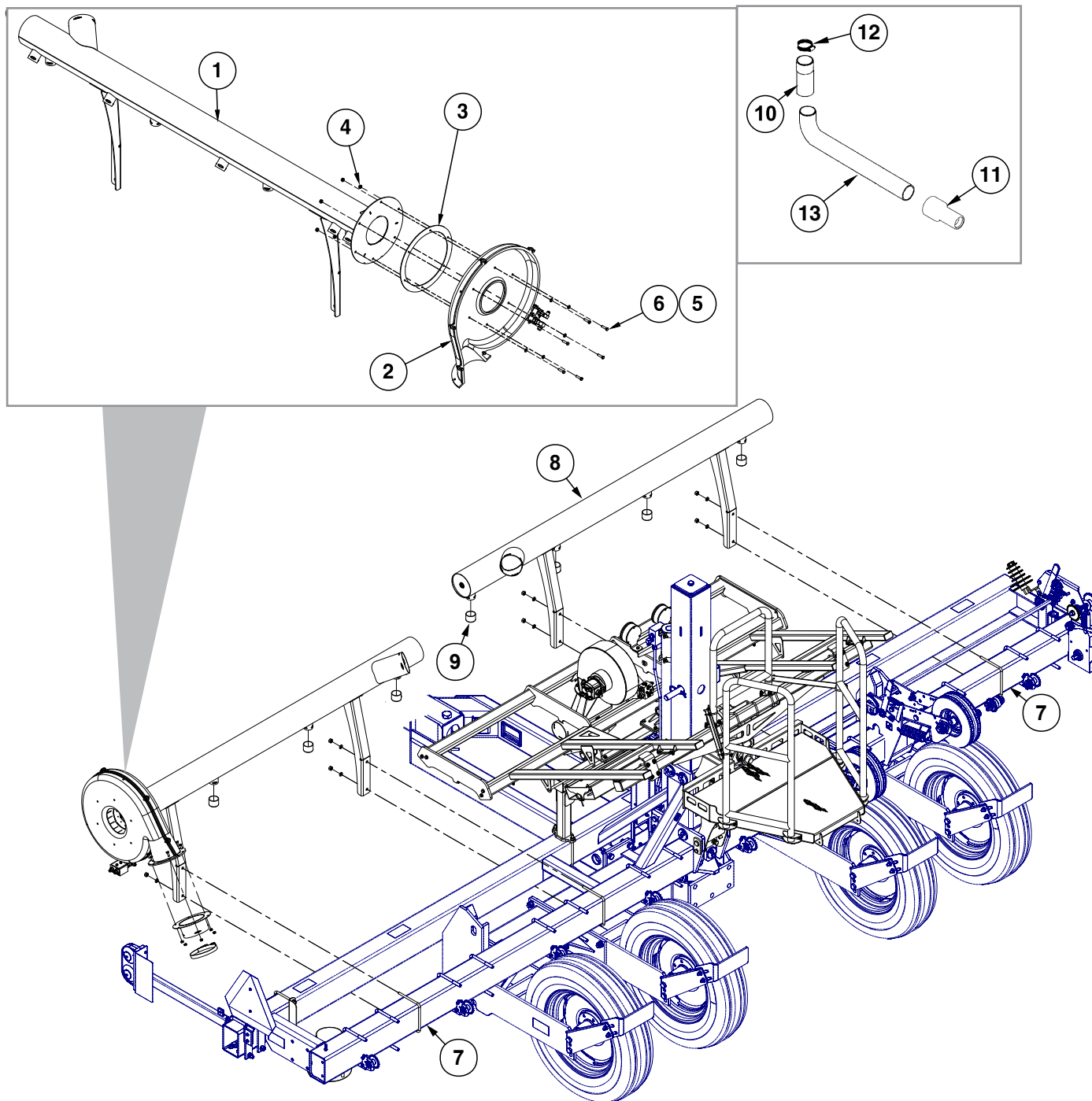
(METR34bbb)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10338	-	Carriage Bolt, 5/16"-18 x 1 1/4"
	G10620	-	Serrated Flange Nut, 5/16"-18
2	GD16156	1	Bracket
3	GD15799	2-4	Manifold, 21" (Open Both Ends)
4	G11137	4	T-Bolt Clamp, 4 1/4", Stainless Steel
5	G11145	7-11	T-Bolt Clamp, 7"
6	GD11721	-	U-Bolt, 5" x 7" x 1/2"-13
	G10228	-	Lock Washer, 1/2"
	G10102	-	Hex Nut, 1/2"-13
7	GD15791-03	1	Hose, 4" x 46"
8	GA11298	1	Manifold, 11"
9	GD15791-06	1	Hose, 4" x 40"

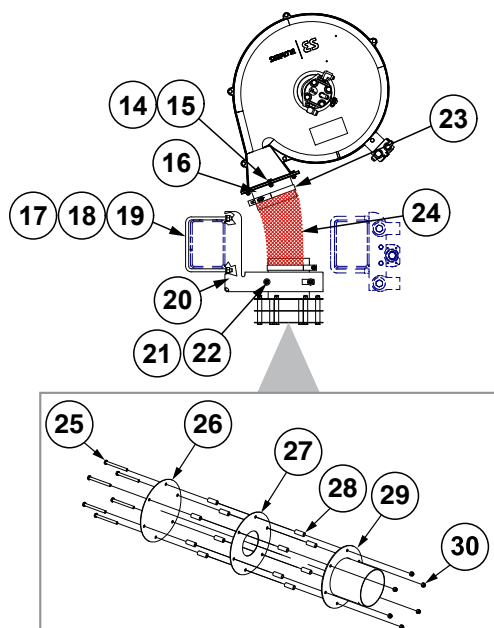
ITEM	PART NO.	QTY.	DESCRIPTION
10	GA11301	1	Fan Mount
11	GD15854	5	Clamp
12	GA11023	5	Manifold Stand
13	GD15850	3	Manifold, 21" (Open One End)
14	G10036	1	Hex Head Cap Screw, 5/8"-11 x 4"
	G10107	1	Lock Nut, 5/8"-11
15	G11147	-	Cap, 2"
16	GB1313	6	90° Elbow, 1½" Hose
17	GD15856-01	2	Pipe, 6" x 14"
18	*D36495-46	-	Hose, 1½" x 46" (Pull Row Units)
	*D36495-50	-	Hose, 1½" x 50" (Center 4 Row Pull Row Units)
	*D36495-30	-	Hose, 1½" x 30" (Push Row Units)
	*D36495-60	-	Hose, 1½" x 60" (Push Row Units)
19	---	-	See "Vacuum Fan Assembly, 6 Row" on page P73
20	G11387	2	Flat Washer, 3/8" SAE
21	GA10812	1	Manifold, 14"
22	GD16154	2	Stiffener
23	GD16155	2	Support
24	G10171	2	Hex Head Cap Screw, 5/16"-18 x 1¼"
	G11386	2	Flat Washer, 5/16" SAE
	G10232	2	Lock Washer, 5/16"
	G10106	2	Hex Nut, 5/16"-18
25	G10001	1	Hex Head Cap Screw, 3/8"-16 x 1"
	G10229	1	Lock Washer, 3/8"
	G11387	1	Flat Washer, 3/8" SAE
26	GA11295	1	Fan Strut
27	GD16251	2	Gasket
28	G10023	12	Hex Head Cap Screw, ¼"-20 x ¾"
	G10110	12	Lock Nut, ¼"-20, Grade B
29	GA11296	2	Outlet, 4"
30	G10830	2	Hex Head Cap Screw, 5/8"-11 x 7½"
	G10107	2	Lock Nut, 5/8"-11
31	GD3180-27	2	Sleeve, 5/8" I.D. x 7/8" O.D. x 2¼" Long
	GD3777-10	2	Sleeve, 1¾" x 3½"
	GD3777-11	2	Sleeve, 1¾" x 2½"
32	GA5121	2	Pin, 2½"
33	G10581	2	Hex Head Cap Screw, ½"-13 x 2¼"
	G10228	2	Lock Washer, ½"
34	G10862	1	Hex Head Cap Screw, 5/8"-11 x 3¼"
	G10230	1	Lock Washer, 5/8"
35	GD3180-28	1	Sleeve, 5/8" I.D. x 7/8" O.D. x 2¼" Long
36	G10676	-	Hose Clamp, No. 36, Stainless Steel
37	GD31424	6	Vacuum Cuff Screw (Meter), 1½"
38	GD15792-18	-	Vacuum Hose, 2" x 50'

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

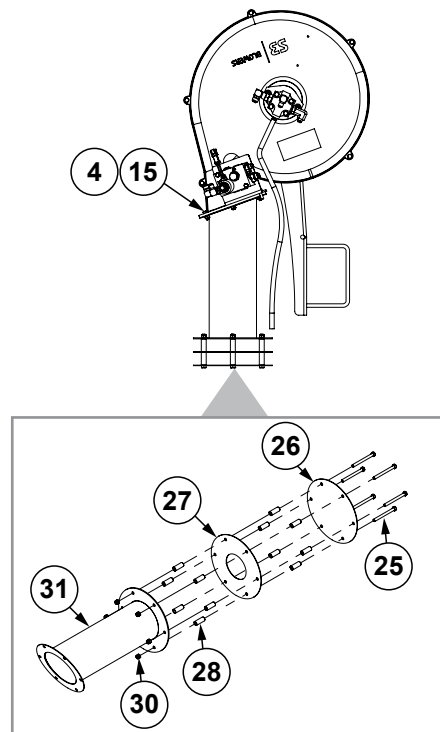


ITEM	PART NO.	QTY.	DESCRIPTION
1	G10140501	1	Vacuum Manifold, L.H.
2	GA24425	1	See "Vacuum Fan Assembly, 8 Row (Bulk Fill)" on page P75
3	GD26697	1	Backing Plate
4	G10620	6	Serrated Flange Nut, $\frac{5}{16}$ "-18
5	G11386	6	Flat Washer, $\frac{5}{16}$ " SAE
6	G10171	6	Hex Head Cap Screw, $\frac{5}{16}$ "-18 x $1\frac{1}{4}$ "
7	GD11721	4	U-Bolt, 5" x 7" x $\frac{1}{2}$ "-13
	G10228	8	Lock Washer, $\frac{1}{2}$ "
	G10102	8	Hex Nut, $\frac{1}{2}$ "-13
8	G10825101	1	Vacuum Manifold, R.H.

2021 - 2023 Production

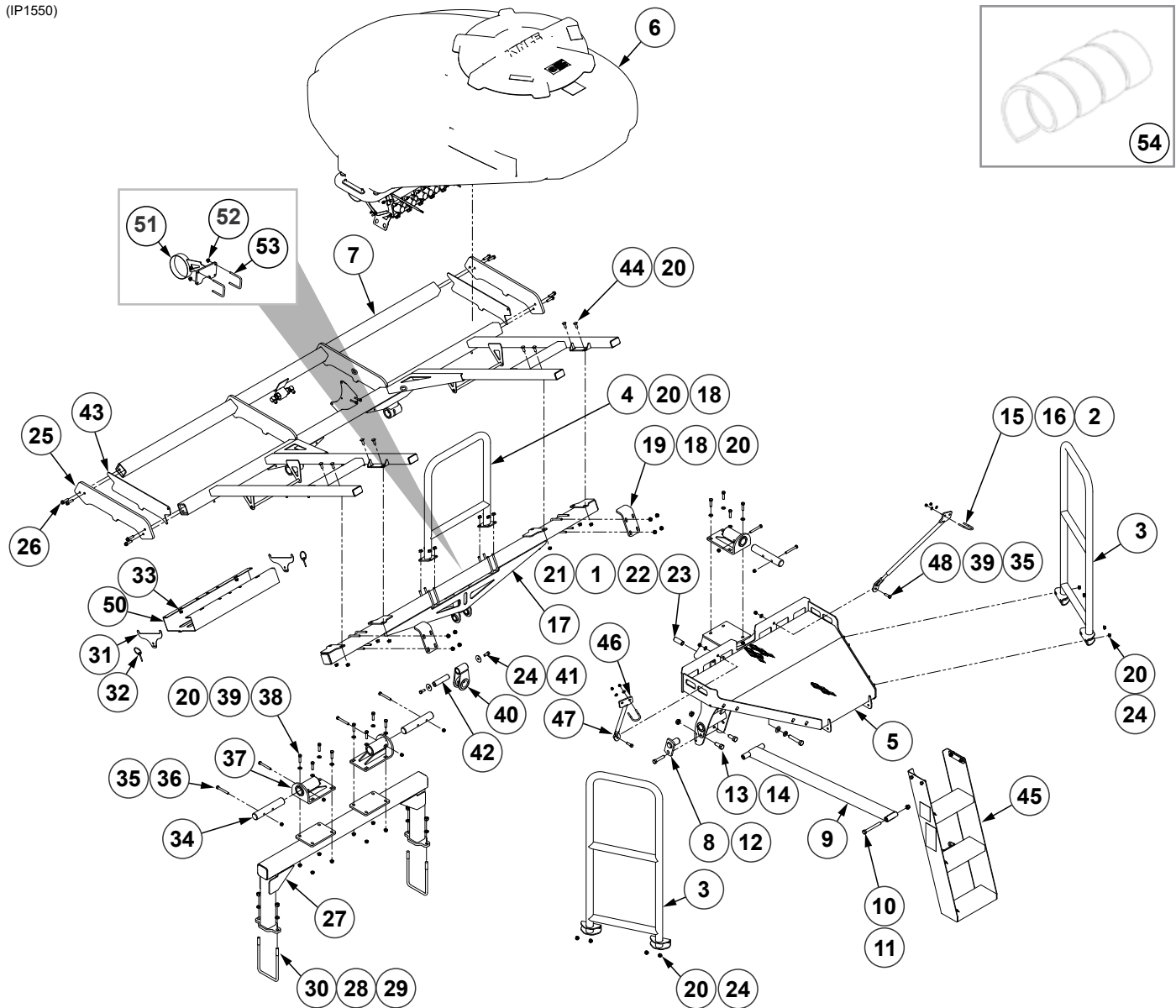


2024 Production and On



ITEM	PART NO.	QTY.	DESCRIPTION
9	G11147	16	Cap, 2"
10	GD31424	8	1½" Vacuum Cuff Screw (Meter)
11	GB1216	8	1½" Vacuum Cuff Screw (Manifold), True Rate
	GB1249	8	Vacuum Hose End (Manifold), True Speed
12	G10676	8	Hose Clamp, No. 36, Stainless Steel
13	*D36495-46	-	Hose, 1½" x 46" (Pull Row Units)
	*D36495-50	-	Hose, 1½" x 50" (Center 4 Row Pull Row Units)
	*D36495-30	-	Hose, 1½" x 30" (Push Row Units)
	*D36495-60	-	Hose, 1½" x 60" (Push Row Units)
14	G10620	6	Serrated Flange Nut, ⅝"-18
15	G10991	6	Hex Head Cap Screw, ⅝"-18 x 7/8"
16	GA25441	1	Flex Tube Mount
17	G10102	2	Hex Nut, ½"-13
18	G10228	2	Lock Washer, ½"
19	GD11721	1	U-Bolt, 5" x 7" x ½"-13
20	GD35491	1	Diffuser Bracket
21	G11091	2	Serrated Flange Nut, ⅜"-16
22	GD35437	1	U-Bolt, 6" x ⅜"-16
23	G11142	2	T-Bolt Clamp, 6¼"
24	GD19658-03	1	Black Hose, 6" I.D. x 20"
25	G10063	6	Hex Head Cap Screw, ⅜"-16 x 4"
26	GD35435	1	Diffuser Cap
27	GD35434	1	Diffuser Ring
28	GD2971-26	12	Sleeve, ⅜" I.D x ⅝" O.D. x 1.63" Long
29	GA25427	1	Diffuser
30	G10108	6	Lock Nut, ⅜"-16
31	G10863401	1	Diffuser

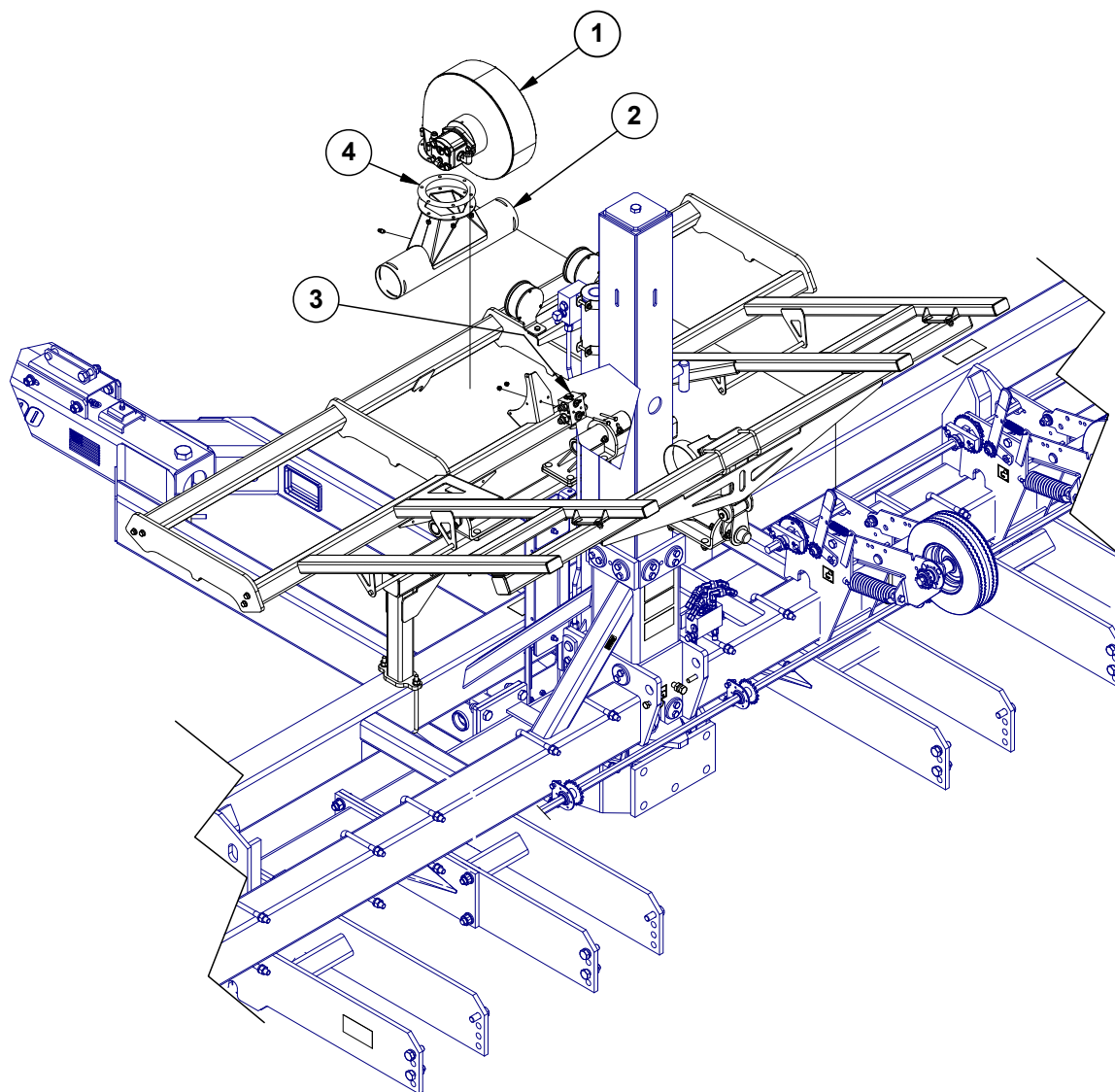
*Hose not stocked by Kinze repair parts, but is available in bulk (GD36495-600).



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10230	1	Lock Washer, 5/8"
2	G10110	4	Lock Nut, 1/4"-20, Grade B
3	GA24374	2	Handrail
4	GA24377	1	Handrail
5	G10610401	1	Catwalk
6	---	1	See "Bulk Fill Tank Assembly" on page P107
7	GA24365	1	Bulk Tank Support
8	GA5121	2	Pin, 2 1/8"
9	GA24376	1	Tube W/Sleeves
10	G10045	1	Hex Head Cap Screw, 1/2"-13 x 4 1/2"
11	G10111	1	Lock Nut, 1/2"-13
12	G10053	2	Hex Head Cap Screw, 1/2"-13 x 2 1/2"
13	G10007	2	Hex Head Cap Screw, 5/8"-11 x 1 1/2"
14	G10503	2	Hex Jam Nut, 5/8"-11, Grade 2

ITEM	PART NO.	QTY.	DESCRIPTION
15	GD26274	2	U-Bolt, 1½" x ¼"-20
16	G11385	4	Flat Washer, ¼" SAE
17	GA24366	1	Tank Support
18	GD19212	8	U-Bolt, 2½" x ⅜"-16
19	GD34071	2	Mount Plate
20	G11091	44	Serrated Flange Nut, ⅜"-16
21	G10862	1	Hex Head Cap Screw, ⅝"-11 x 3¼"
22	G11391	1	Flat Washer, 5/8" SAE
23	GD3180-28	1	Sleeve, ⅝" I.D. x 7/8" O.D. x 2¼" Long
24	G10001	10	Hex Head Cap Screw, ⅜"-16 x 1"
25	GD33953	2	Side Mount Plate
26	G11408	8	Hex Serrated Flange Cap Screw, ⅜"-16 x 1½"
27	GA24378	1	Front Bulk Fill Mount Support
28	G10228	4	Lock Washer, ½"
29	G10102	4	Hex Nut, ½"-13
30	GD8306	2	U-Bolt, 7" x 5" x ½"-13
31	GD34702	2	Chute Tray End Plate
32	GD5625	2	Lynch Pin, ⅜"
33	G10620	4	Serrated Flange Nut, ⅝"-18
34	GD33595	3	Pin, 1½" x 8.313"
35	G10108	8	Lock Nut, ⅜"-16
36	G10062	6	Hex Head Cap Screw, ⅜"-16 x 3"
37	GA14041	3	Bulk Fill Tank Mount
38	G10003	12	Hex Head Cap Screw, ⅜"-16 x 1½"
39	G11387	14	Hardened Washer, ⅜" SAE
40	GA17034	1	Rear Tank Mount
41	G10201	2	Special Washer, ⅜" x 1½" O.D.
42	GD33958	1	Threaded Rod
43	GD35126	2	Shim, 10 Gauge (.1345") (As Required)
44	G10305	8	Carriage Bolt, ⅜"-16 x 1"
45	GA24758	1	Bulk Fill Step W/Out Rear Trailer Hitch, 6 Row
	GA24515	-	Bulk Fill Step W/Out Rear Trailer Hitch, 8 Row
	GA24757	-	Bulk Fill Step W/Rear Trailer Hitch
46	G10596001	2	Rail Brace Strut
47	G10595901	2	Rail Brace Nut
48	G10004	2	Hex Head Cap Screw, ⅜"-16 x 1 1/4"
49	GA14822	1	Cleanout Chute, 6 Row
	GA14078	1	Cleanout Chute, 8 Row (2021-2025 Production)
	GA14128		Cleanout Chute, 8 Row (2026 Production and On)
50	GD34701	1	Clean Out Chute Tray (2021-2025 Production)
	G11069001	1	Clean Out Chute Tray (2026 Production and On)
51	GA24381	1	Bracket
52	G11091	4	Serrated Flange Nut, ⅜"-16
53	GD19212	2	U-Bolt, 2 ½" x ⅜"-16
54	GD19383-03	1	Hose Wrap, 60"

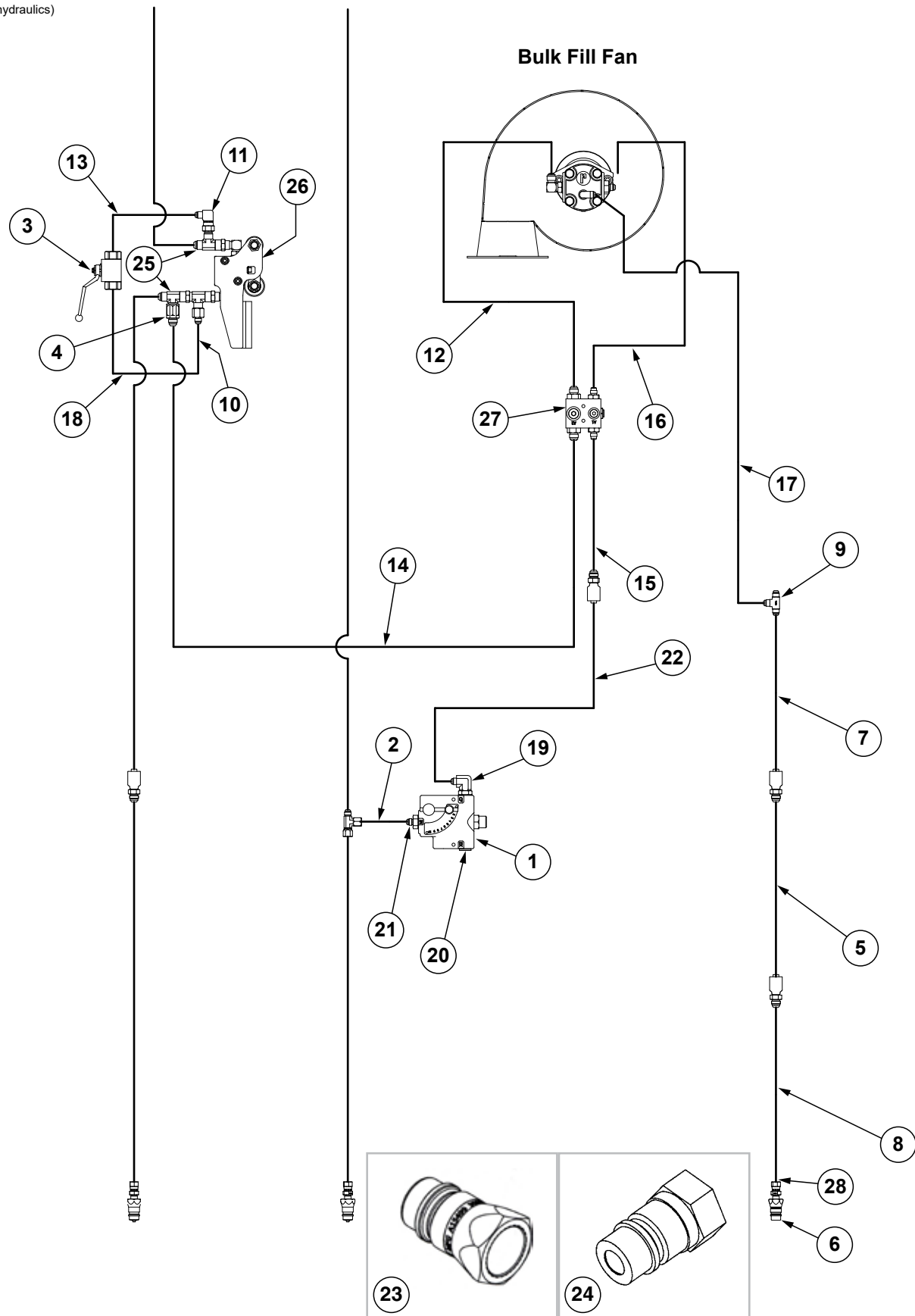
(IP1550-3)



ITEM	PART NO.	QTY.	DESCRIPTION
1	---	-	See "Bulk Fill Fan System, Bulk Fill" on page P99
	G10043	6	See "Bulk Fill Fan System, Blue Drive" on page P100
			Hex Head Cap Screw, $\frac{5}{16}$ "-18 x $\frac{3}{4}$ "
2	GA24414	1	Bulk Fill Manifold (2021-2025 Production)
	G11068901		Bulk Fill Manifold (2026 Production and On)
	GR1777	2	Hose Barb, $\frac{1}{8}$ " Male NPT To $\frac{3}{16}$ " Barb
	G10109	6	Lock Nut, $\frac{5}{16}$ "-18, Grade 8
3	GA24507	1	See "Bulk Fill/Vacuum Anti-Cavitation Check Valve Block" on page P191
	G10746	2	Hex Head Cap Screw, $\frac{1}{4}$ "-20 x $2\frac{3}{4}$ "
	G11320	2	Lock Nut, $\frac{1}{4}$ "-20, Grade B
	GD11395	2	Bushing, $\frac{1}{2}$ "
4	G10763901	1	6 Bolt Flange Seal

This page left blank intentionally.

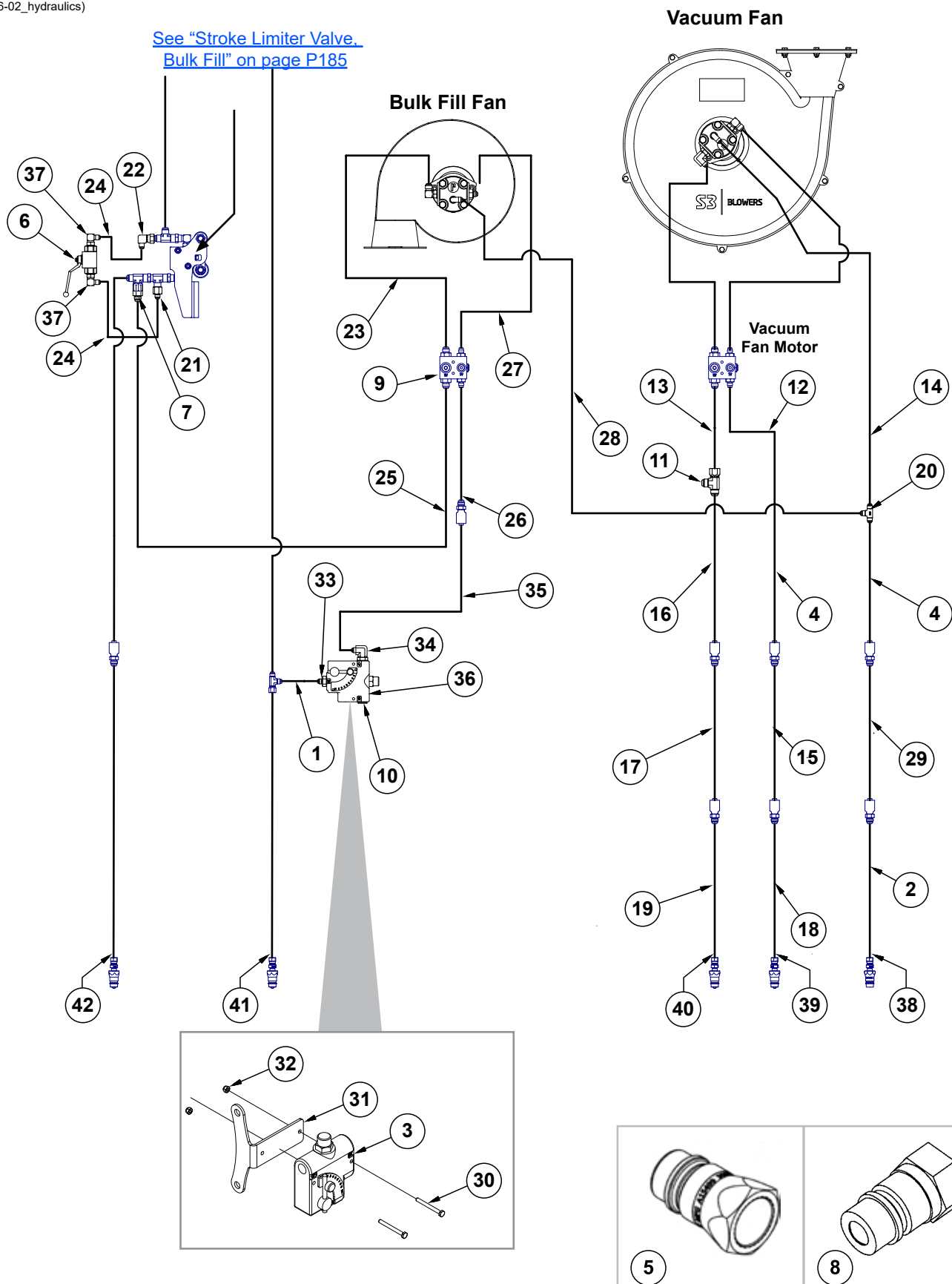
(A24457-02_hydraulics)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA10918	1	Flow Control Valve
2	*A15081-24	1	Hose Assembly, 3/8" x 24" (06F-06F)
3	GA22901	1	Shutoff Valve
4	GA19432	1	Inline Check Valve
5	*A12016	1	Hose Assembly, 3/8" x 86" (06M-06F)
6	GD25522	1	Hydraulic Tip Cover
7	*A15082-77	1	Hose Assembly, 3/8" x 77" (06F-06M)
8	*A26938-174	1	Hose Assembly, 3/8" x 174" (06F-1/2M NPTF W/Ext., W/Tip)
9	G2603-06	1	Tee, 1/16"-18 Male JIC
10	G2406-08-06	1	Reducer, 3/4"-16 Female JIC To 1/16"-18 Male JIC
11	6500-06-08	1	90° Swivel Elbow, 1/16"-18 x 3/4"-16
12	*A8213	1	Hose Assembly, 1/2" x 29" (08F-08F)
13	*A1155	1	Hose Assembly, 1/4" x 48" (06F-06F)
14	*A1434	1	Hose Assembly, 1/2" x 42 1/2" (08F-08F)
15	*A15081-128	1	Hose Assembly, 3/8" x 128" (06F-06F)
16	*A15081-12	1	Hose Assembly, 3/8" x 12" (06F-06F)
17	*A12080	1	Hose Assembly, 3/8" x 64" (06F-06F)
18	*A1153	1	Hose Assembly, 1/4" x 56" (06F-06F)
19	G6801-06-10	1	Elbow, 1/16"-18 x 7/8"-14 W/O-Ring
20	G6408-H10-0	1	Hex Socket Head Plug W/O-Ring, 7/8"-14 O-Ring
21	6400-06-10	1	Adapter, 1/16"-18 JIC, 7/8"-14 O-Ring
22	*A15082-154	1	Hose Assembly, 3/8" x 154" (06F-06M)
23	GA15499	-	Special Pioneer Coupler, Zero Pressure Return
	GD25522	-	Hydraulic Tip Cover
24	GD4086	-	ISO Coupler
25	6602-08	2	Swivel Tee, 3/4"-16 JIC
26	---	-	See "Stroke Limiter Valve, Bulk Fill" on page P185
27	---	-	See "Bulk Fill/Vacuum Anti-Cavitation Check Valve Block" on page P191
28	GA26924-11	1	Hose Label/Cover, Orange (Retract)

*Hydraulic hose is not stocked by Kinze Repair Parts.

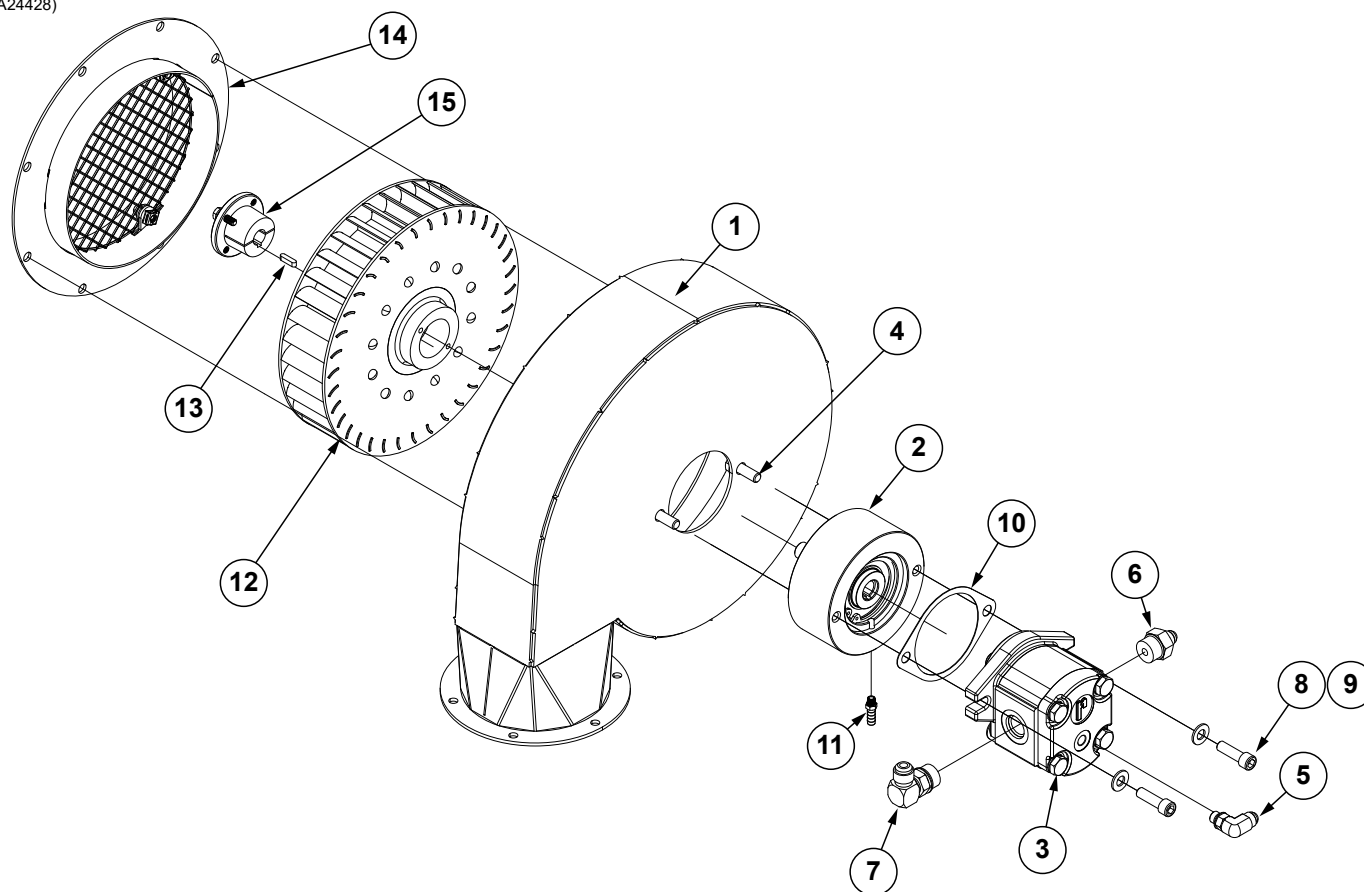
(A24456-02_hydraulics)



ITEM	PART NO.	QTY.	DESCRIPTION
1	*A15081-24	1	Hose Assembly, 3/8" x 24" (06F-06F)
2	*A26938-174	1	Hose Assembly, 3/8" x 174" (06F-1/2M NPTF W/Ext., W/Tip)
3	GA10918	1	Flow Control Valve
	G10253	2	Hex Socket Head Cap Screw, No. 10-32 x 1/2"
4	*A15082-77	2	Hose Assembly, 3/8" x 77 (06F-06M)
5	GA15499	-	Special Pioneer Coupler, Zero Pressure Return
	GD25522	-	Hydraulic Tip Cover
6	GA22901	1	Shutoff Valve
7	GA19432	1	Inline Check Valve
8	GD4086	-	ISO Coupler
9	---	-	See "Bulk Fill/Vacuum Anti-Cavitation Check Valve Block" on page P191
10	G6408-H10-0	1	Hex Socket Head Plug W/O-Ring, 7/8"-14 O-Ring
11	G6602-10	1	Swivel Tee, 7/8"-14 JIC
12	*A15023	1	Hose Assembly, 3/8" x 154"
13	*A18668-152	1	Hose Assembly, 1/2" x 152" (08F-10M)
14	*A15000	1	Hose Assembly, 3/8" x 164" (06F-06F)
15	*A15090-86	1	Hose Assembly, 3/8" x 86" (06F-10M)
16	*A21525-77	1	Hose Assembly, 5/8" x 77" (10F-10M)
17	*A11407	1	Hose Assembly, 5/8" x 84 (10F - 12M)
18	*A26941-174	1	Hose Assembly 3/8" x 174" (10F-1/2M NPTF W/Ext., W/Tip)
19	*A21548-174	1	Hose Assembly, 5/8" x 174" (12F-1/2M NPTF W/Ext., W/Tip)
20	G2603-06	1	Tee, 9/16"-18 Male JIC
21	G2406-08-06	1	Reducer, 3/4"-16 Female JIC To 9/16"-18 Male JIC
22	6500-06-08	1	90° Swivel Elbow, 9/16"-18 x 3/4"-16
23	*A8213	1	Hose Assembly, 1/2" x 29" (08F-08F)
24	*A1155	1	Hose Assembly, 1/4" x 48" (06F-06F)
25	*A1434	1	Hose Assembly, 1/2" x 42 1/2" (08F-08F)
26	*A15081-128	1	Hose Assembly, 3/8" x 128" (06F-06F)
27	*A15081-12	1	Hose Assembly, 3/8" x 12" (06F-06F)
28	*A12080	1	Hose Assembly, 3/8" x 64" (06F-06F)
29	*A12016	1	Hose Assembly, 3/8" x 86" (06M-06F)
30	G10403	2	Hex Head Cap Screw, 1/4"-20 x 2 1/2"
31	GD34765	1	Mount Plate
32	G10110	2	Lock Nut, 1/4"-20, Grade B
33	6400-06-10	1	Adapter, 9/16"-18 JIC, 7/8"-14 O-Ring
34	G6801-06-10	1	Elbow, 9/16"-18 x 7/8"-14 W/O-Ring
35	*A15082-154	1	Hose Assembly, 3/8" x 154" (06F-06M)
36	*A10918	1	Flow Control Valve
37	G6801-06-08	2	Elbow W/O-Ring, 90°, 9/16"-18 Male JIC To 3/4"-16 O-Ring
	GR1037	-	O-Ring
38	GA26924-11	1	Hose Label/Cover, Orange (Retract)

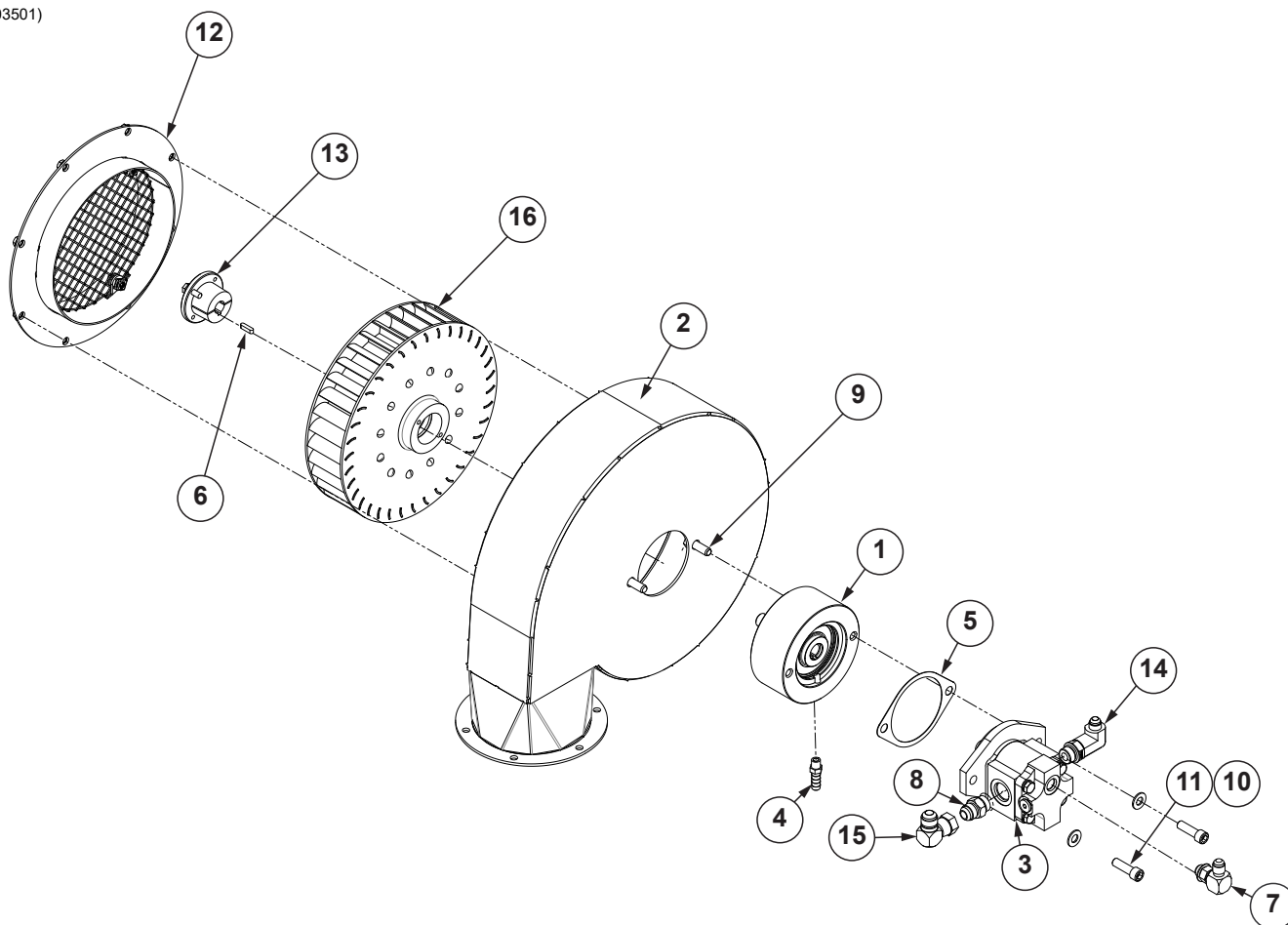
*Hydraulic hose is not stocked by Kinze Repair Parts.

(A24428)



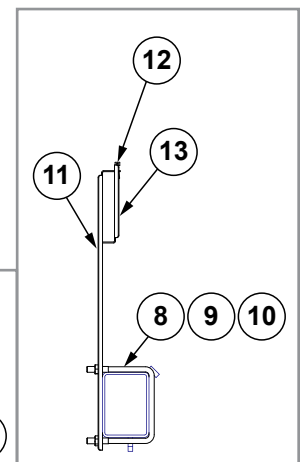
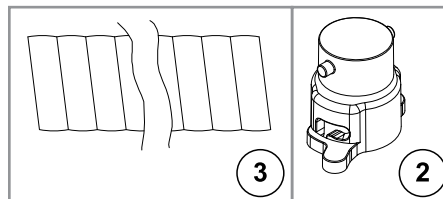
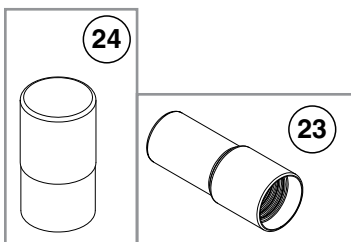
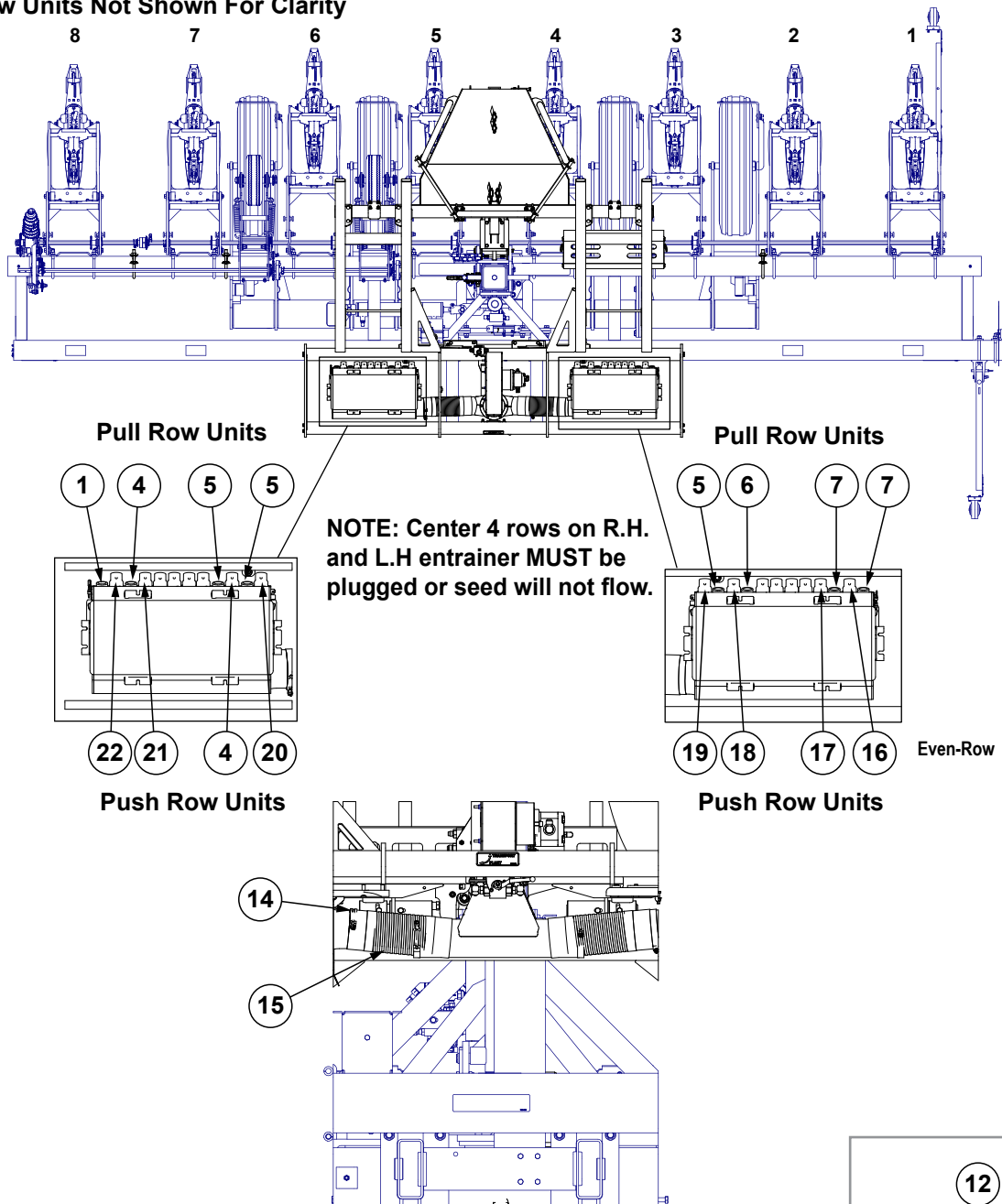
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25034	1	Fan Housing
2	GA25388	1	Overhung Load Adapter
3	GA24426	1	Motor
	G10706401	-	Key
	GR2332	-	Seal Kit
4	G11124	2	Hex Serrated Flange Cap Screw, $\frac{3}{8}$ "-16 x 1"
5	G6801-06-04	1	Elbow, 90°, $\frac{9}{16}$ "-18 x $\frac{7}{8}$ "-20 W/O-Ring
6	6400-06-10	1	Elbow, $\frac{9}{16}$ "-18 x $\frac{7}{8}$ "-14 W/O-Ring
7	G6801-08-10	1	Elbow W/O-Ring, 90°, $\frac{3}{4}$ "-16 Male JIC To $\frac{7}{8}$ "-14 O-Ring
	GR1466	-	O-Ring
8	G11848	2	Hex Socket Head Cap Screw, $\frac{3}{8}$ "-16 x 1- $\frac{1}{4}$ "
9	G11387	2	Flat Washer, $\frac{3}{8}$ " SAE
10	GD30882	1	2-Bolt Mount Gasket
11	GD35294	1	Hose Barb, $\frac{1}{8}$ "-27 NPTF x $\frac{3}{8}$ "
12	GA25035	1	Fan Rotor
13	GD21300	1	Key
14	GA25036	1	Fan Inlet
	GD35011	1	Inlet Screen
15	GD34103	1	Bushing
A	GA24429	1	Bulk Fill Fan (Includes Items 1, 12, and 14-15)

(103501)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25388	1	Overhurd Load Adapter
2	GA25034	1	Fan Housing
3	G10164001	1	Motor
	GR2381	-	Seal Kit
4	GD35294	1	Hose Barb, 1/8"-27 NPTF x 3/8"
5	GD30882	1	2-Bolt Mount Gasket
6	GD21300	1	Key
7	G6801-06	1	Elbow W/O-Ring, 90°, 1/8"-18 Male JIC To O-Ring
	GR1045	-	O-Ring
8	6400-08-10	1	Connector W/O-Ring, 3/4"-16 Male JIC To 7/8"-14 O-Ring
	GR1466	-	O-Ring
9	G11124	2	Hex Serrated Flange Cap Screw, 3/8"-16 x 1", Grade 5
10	G11387	2	Flat Washer, 3/8" SAE
11	G11848	2	Hex Socket Head Cap Screw, 3/8"-16 x 1 1/4"
12	GA25036	1	Fan Inlet
	GD35011	1	Inlet Screen
13	GD34103	1	Bushing
14	G6801-L-06-08	1	Long Elbow W/O-Ring, 90°, 1/8"-18 x 3/4"-16
15	G6500-08	1	Swivel Elbow, 90°, 3/4"-16 Male JIC To Female
16	GA25035	1	Fan Rotor
A	GA24429	1	Bulk Fill Fan (Includes Items 2, 12-13, and 16)

(IP1245)

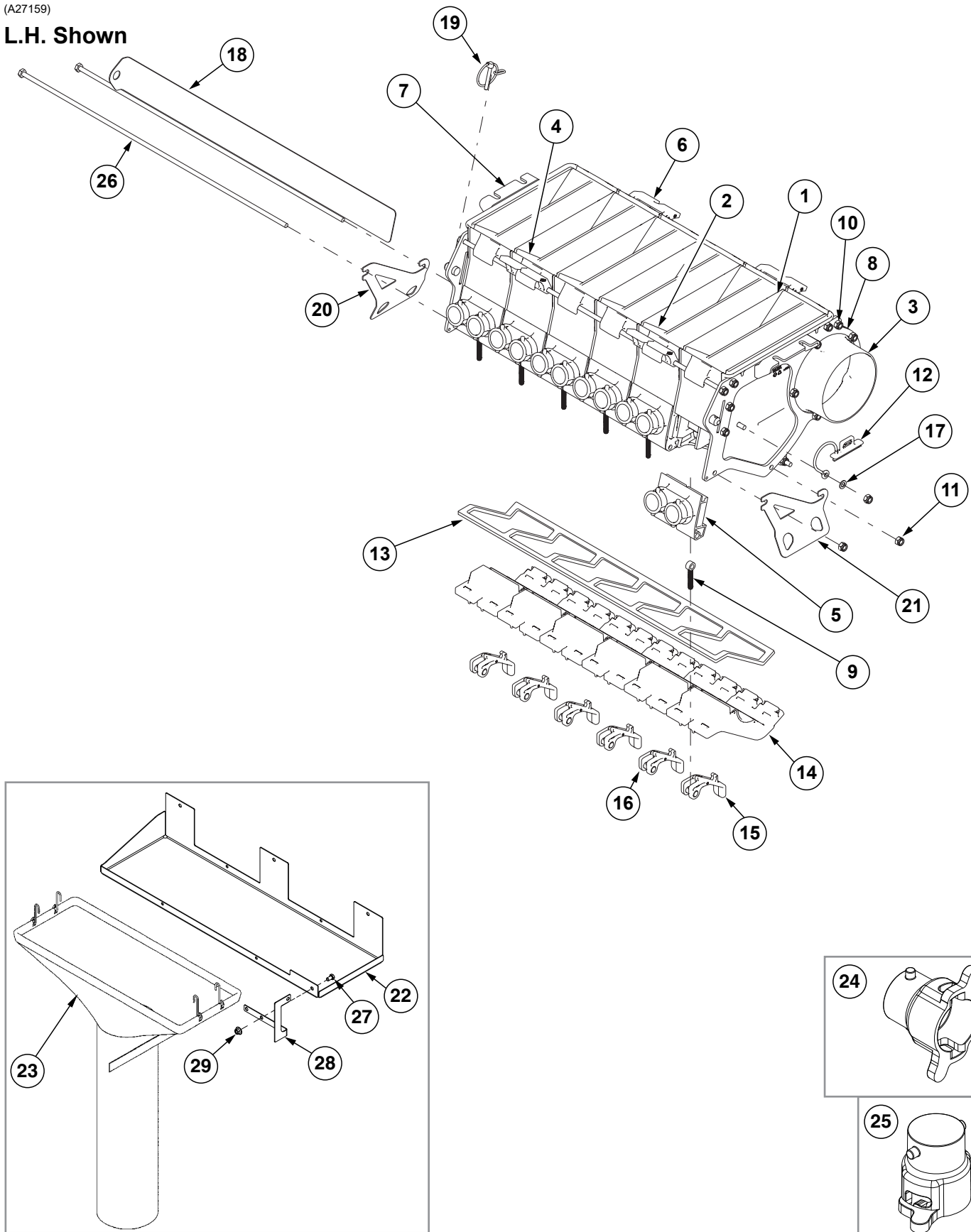
***Split Row Units Not Shown For Clarity**

ITEM	PART NO.	QTY.	DESCRIPTION
1	*A13870-133	1	Seed Hose Assembly, 1¼" x 133"
2	GB0431	-	Bulk Fill Small Cap
	GD19508	-	Small O-Ring
3	GD9129-01	-	Hose Protector, 48"
4	*A13870-101	1	Seed Hose Assembly, 1¼" x 101"
5	*A13870-72	3	Seed Hose Assembly, 1¼" x 72"
6	*A13870-74	1	Seed Hose Assembly, 1¼" x 74"
7	*A13870-116	2	Seed Hose Assembly, 1¼" x 116"
8	GD1113	3	U-Bolt, 5" x 7" x ⅝"-11
9	G10104	6	Hex Nut, ⅝"-11
10	G10230	6	Lock Washer, ⅝"
11	GD34372	3	Hose Holder Mount, 30"
12	GD2558	3	Lynch Pin, ¼"
13	GD20595	3	Hose Holder Short Mount
14	G11360	4	T-Bolt Hose Clamp, 4½"
15	GD19659-08	2	Black Hose, 4½" I.D. x 12"
16	*A13870-137	1	Seed Hose Assembly, 1¼" x 137"
17	*A13870-149	1	Seed Hose Assembly, 1¼" x 149"
18	*A13870-97	1	Seed Hose Assembly, 1¼" x 97"
19	*A13870-82	1	Seed Hose Assembly, 1¼" x 82"
20	*A13870-93	1	Seed Hose Assembly, 1¼" x 93"
21	*A13870-118	1	Seed Hose Assembly, 1¼" x 118"
22	*A13870-123	1	Seed Hose Assembly, 1¼" x 123"
23	GD31424	8	Screw Cuff, 2"
24	GB1216	8	Screw Cuff, 1½"

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

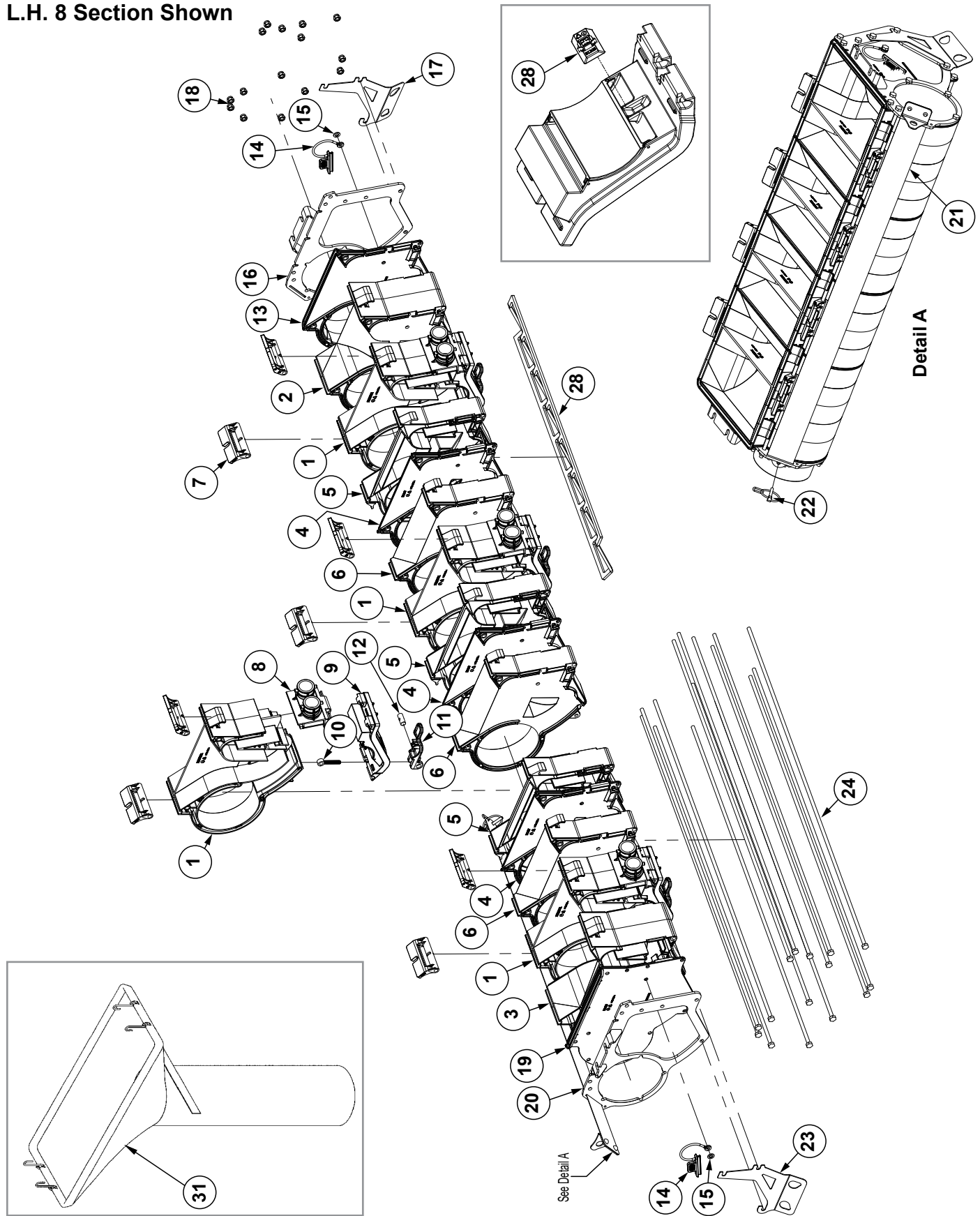
(A27159)

L.H. Shown



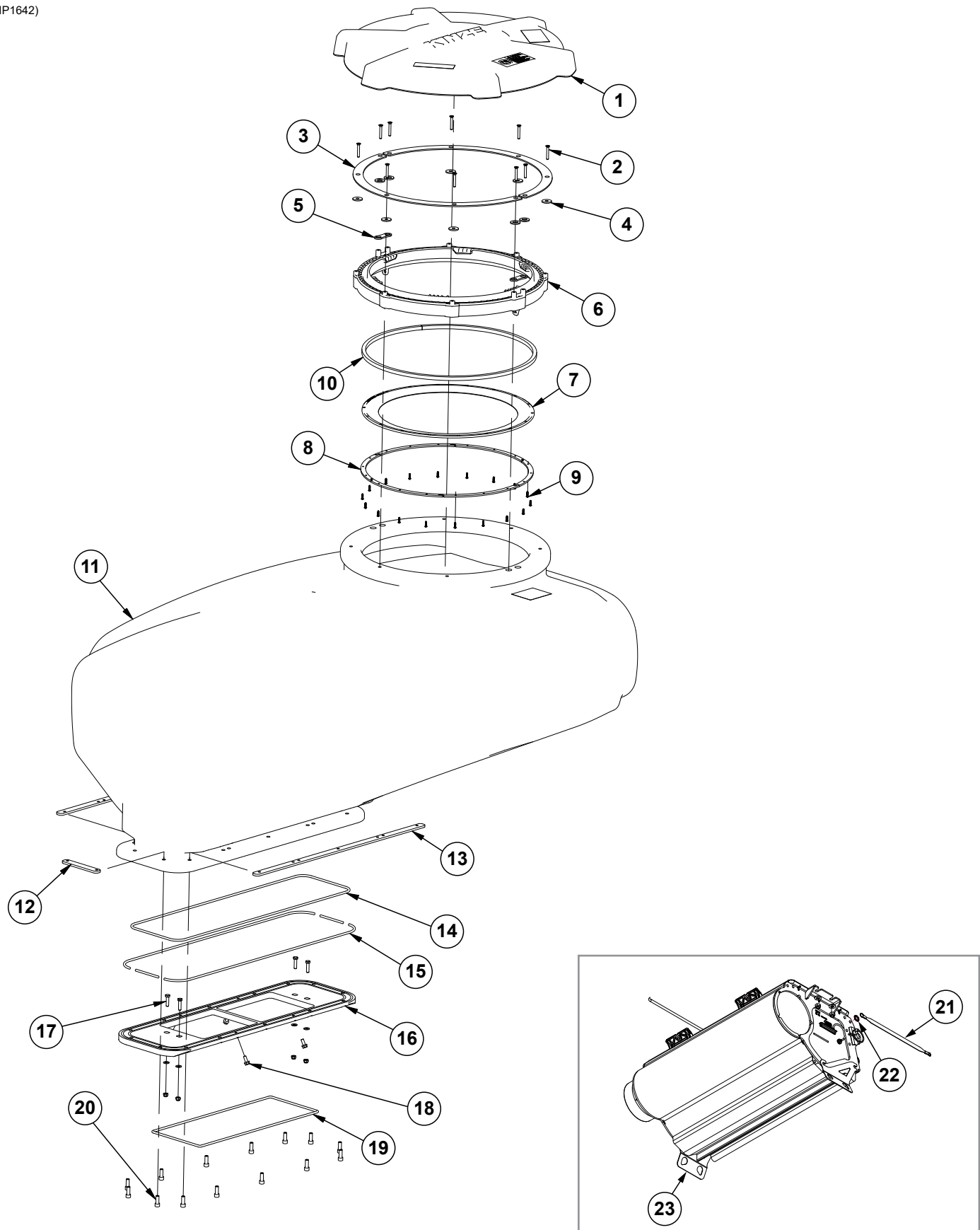
ITEM	PART NO.	QTY.	DESCRIPTION
1	GB1195	6	Entrainer Section
2	GB1197	5	Entrainer Interior Wall
3	GB1201	1	Entrainer End Cap, L.H.
4	GB1199	1	Entrainer End Cap, L.H.
5	GB1196	6	Entrainer Outlet Dual, 1"
6	GB1204	4	Entrainer Mount Adapter
7	G11113601	1	Entrainer Retainment Assembly, L.H.
8	G11113501	1	Entrainer Retainment Assembly, R.H.
9	GD19864	6	Eye Bolt, ¼"-20 x 1.83"
10	GD37049	12	Hex Head Cap Screw, ¼"-20 x 21¼", Grade 2
11	G11320	15	Lock Nut, ¼"-20, Grade B
12	GB0444	2	Bulk Fill Shutoff Door Plug
13	G10301201	1	Cleanout Door Gasket
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
19	G10973901	1	Pin W/Chain, ⅜" x 1 ⅝"
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
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	G11091	1	Serrated Flange Nut, ⅜"-16
A	GA27158	-	Bulk Fill Entrainer Assembly, R.H. (Items 1-21)
B	GA27159	-	Bulk Fill Entrainer Assembly, L.H. (Shown) (Items 1-21)

L.H. 8 Section Shown



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10993901	4	Entrainer Section
2	G10994501	1	Wide Entrainer Spacer, L.H. (8 Section)
3	G10994601	1	Wide Entrainer Spacer, R.H. (8 Section)
4	GB1197	3	Entrainer Interior Wall
5	G10994401	3	Narrow Entrainer Spacer, R.H.
6	G10994301	3	Narrow Entrainer Spacer, L.H.
7	GB1204	8	Entrainer Mount Adapter
8	G10994201	4	Dual Entrainer Outlet, 1"
9	G11045701	4	Entrainer Door
10	GD19864	4	Eye Bolt, ¼"-20 x 1.83"
11	G10994101	4	Entrainer Door Latch
12	GD21080	4	Cam Nut, ¼"-20
13	GB1201	1	Entrainer End Cap, L.H.
14	GB0444	2	Bulk Fill Shutoff Door Plug
15	G11328	2	Washer, ¼"
16	G11113501	1	Entrainer Retainment, R.H.
17	G10017301	1	Bulk Fill Chute Hanger
18	G11320	15	Lock Nut, ¼"-20, Grade B
19	GB1199	1	Entrainer End Cap, L.H.
20	G11113601	1	Entrainer Retainment, L.H.
21	G10495105	1	Bulk Fill Shutoff Door
22	G10439801	1	Lynch Pin, ⅜" x 1¼" W/Chain
23	G10017201	1	Bulk Fill Chute Hanger
24	G10936301	15	Hex Head Cap Screw, ¼"-20 x 31¼", Grade 2
25	G11045401	1	Cleanout Door Gasket, 14 Section
26	GB1200	1	Entrainer Inlet, R.H.
27	GB1198	1	Entrainer End Cap, R.H.
28	GB1205	-	Entrainer Insert
29	---	---	---
30	---	---	---
31	G10925301	1	Cleanout Chute
A	G11043403	1	8 Section Bulk Fill Entrainer Assembly, L.H. (Items 1-27)
B	G11043404	1	8 Section Bulk Fill Entrainer Assembly, R.H. (Items 1-27)

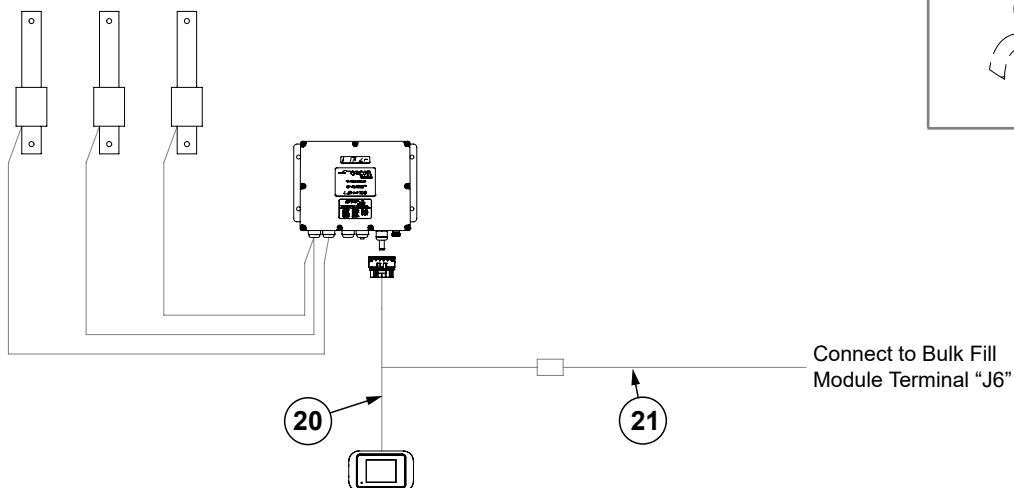
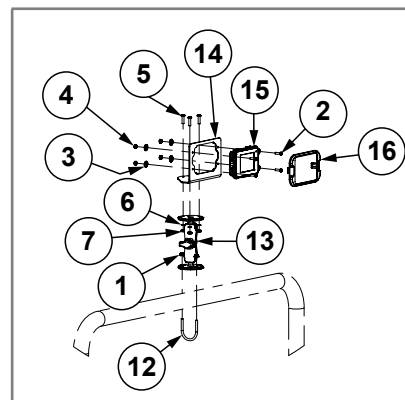
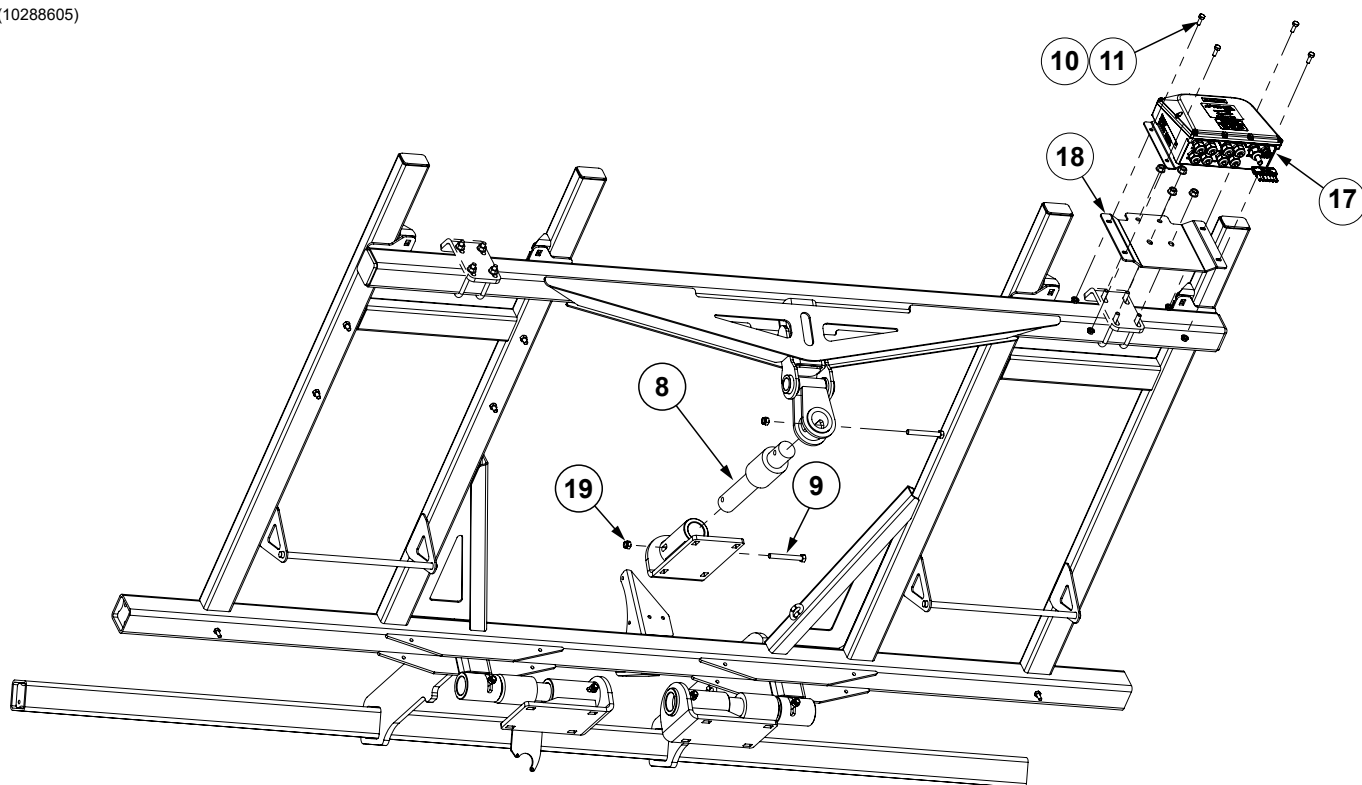
(IP1642)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GB0673	1	Bulk Fill Tank Lid
	GD24879-01	1	Rope Tether, 36"
	G11386	1	Flat Washer, 5/16"SAE
2	G10132501	10	Hex Flange Head Cap Screw, 1/4"-20 x 1 3/4"
3	GD35844	2	Top Ring Mount Plate
4	GD35857	6	Foam Seal Washer
5	GB0905	2	Lid Seal Ring Spacer
	GD24754	4	Foam Seal
6	GB1206	1	Bulk Fill Tank Lid Latch
7	GB0675	1	Bulk Fill Tank Lid Seal
8	GD24386	6	Bulk Fill Lid Seal Ring Segment
9	G11522	18	Phillip Pan Head Tapping Screw, #8-18 x 5/8"
10	*GD35274-01	1	Ribbon Sealer, 66 1/2" (Length Used For Tank Lid)
11	G10058001	1	Bulk Seed Tank, 25 Bushel
12	GD20923	2	Entrainer Mount Tap Block, Short
13	G10057501	2	Entrainer Mount Tap Block
14	GD19690-03	1	Ribbon Sealer, 6.5' (2021-2025 Production)
	GD19690-05	1	Ribbon Sealer, 8.25' (2026 Production and On)
15	GD19690-04	1	Ribbon Sealer, 7' (2021-2025 Production)
	GD19690-06	1	Ribbon Sealer, 9' (2026 Production and On)
16	GD37001	1	Entrainer Adapter (2021-2025 Production)
	G10109101	1	Entrainer Adapter (2026 Production and On)
17	G10171	4	Hex Head Cap Screw, 5/16"-18 x 1 1/4"
	G11386	4	Flat Washer, 5/16" SAE
	G11182	4	Lock Nut W/Nylon Insert, 5/16"-18
18	G10961	4	Flanged Whiz Lock Screw, 5/16"-18 x 3/4", No Serration
19	G10302501	1	Foam Cord, 58"
20	G11261	14	Hex Socket Head Cap Screw, 3/8"-16 x 1"
21	GD27607	1	Ground Strap (2021-2025 Production)
	GD25521-02	1	Ground Strap (2026 Production and On)
22	G10529	1	External Tooth Lock Washer, 3/8"
23	---	---	See "Entrainer Assembly (2021-2025 Production)" on page P103
A	G10129501	-	Bulk Fill Lid Seal Assembly (Items 6-9)

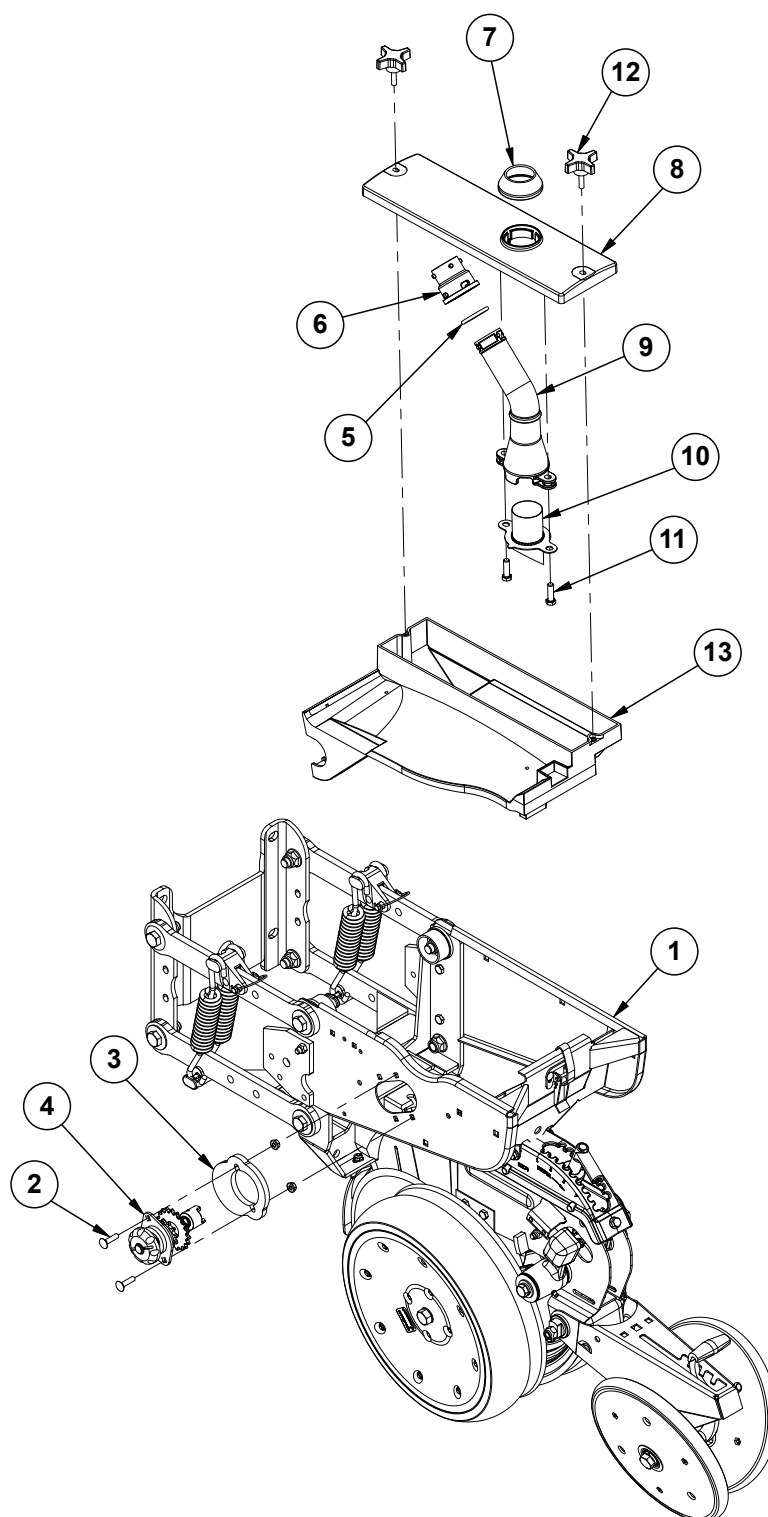
*Available in bulk only (21.75').

(10288605)



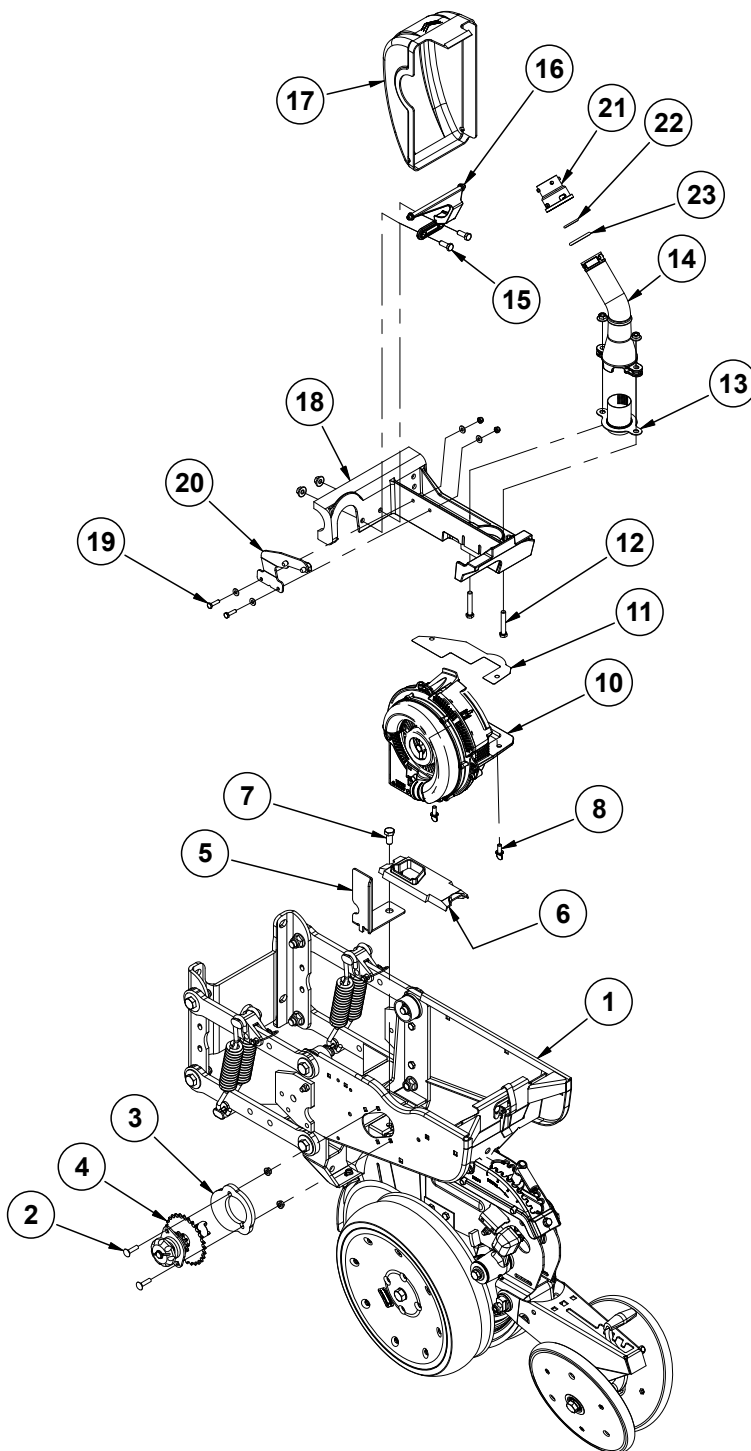
ITEM	PART NO.	QTY.	DESCRIPTION
1	G11284	2	Serrated Flange Nut, No. 8-32
2	G11065	4	Phillips Pan Head Machine Screw, No. 8-32 x 5/8", Stainless Steel
3	G10931	4	Lock Washer, No. 8, Internal/External, Stainless Steel
4	G10251	4	Hex Nut, No. 8-32
5	G11401	3	Phillips Pan Head Machine Screw, No. 10-32 x 3/4", Stainless Steel
6	G10257	3	Lock Washer, No. 10
7	G10758	3	Hex Nut, No. 10-32
8	GA14135	6	Load Cell
9	G10325	12	Hex Head Cap Screw, 3/8"-16 x 2 3/4"
10	G10023	4	Hex Head Cap Screw, 1/4"-20 x 3/4"
11	G10621	4	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	G10108	12	Lock Nut, 3/8"-16
20	G10242801	1	PHD28 Bulk Fill Scale CAN Cable
21	G10266901	1	CAN Stub Harness

(IP1638)



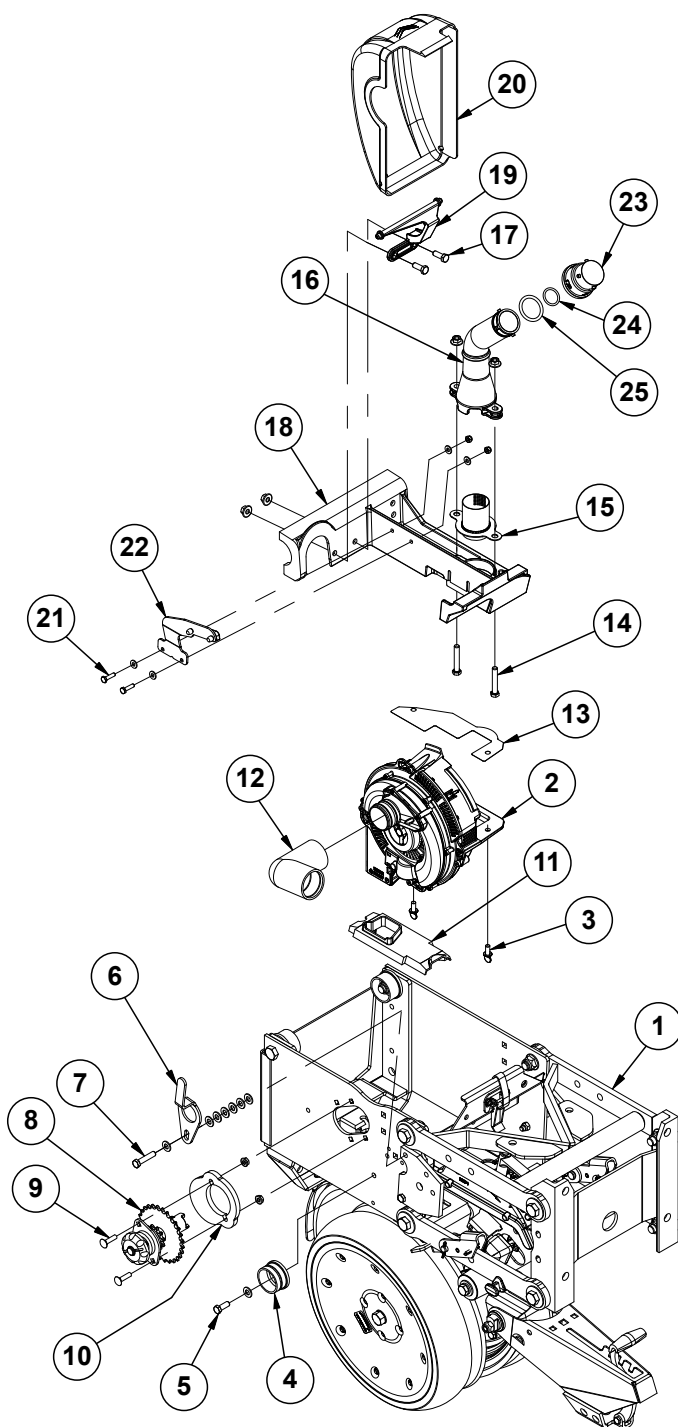
ITEM	PART NO.	QTY. Per Row	DESCRIPTION
1	---	-	See "Shank Assembly, Seed Tube, and Depth Adjustment" on page P3 See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Force Springs Option" on page P7 See "Hopper Support and Meter Drive" on page P19
2	G10338	2	Carriage Bolt, 5/16"-18 x 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)



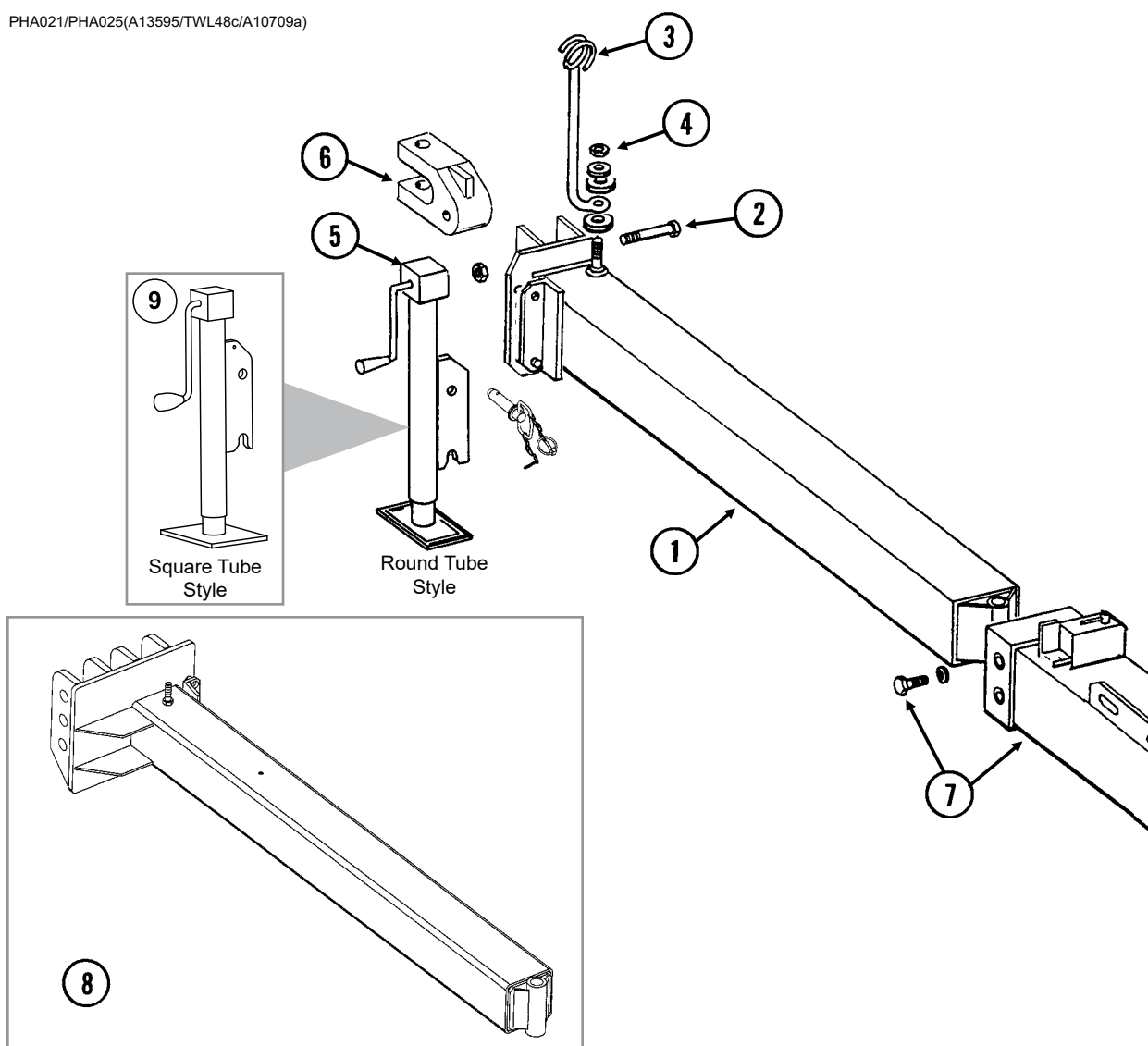
ITEM	PART NO.	QTY.	DESCRIPTION
1	---	---	See "Shank Assembly, Seed Tube, and Depth Adjustment" on page P3 See "Parallel Arms, Mounting Support Plate, and Quick Adjustable Down Force Springs Option" on page P7 See "Hopper Support and Meter Drive" on page P19
2	G10338	2	Carriage Bolt, 5/16"-18 x 1 1/4"
	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 P27
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)



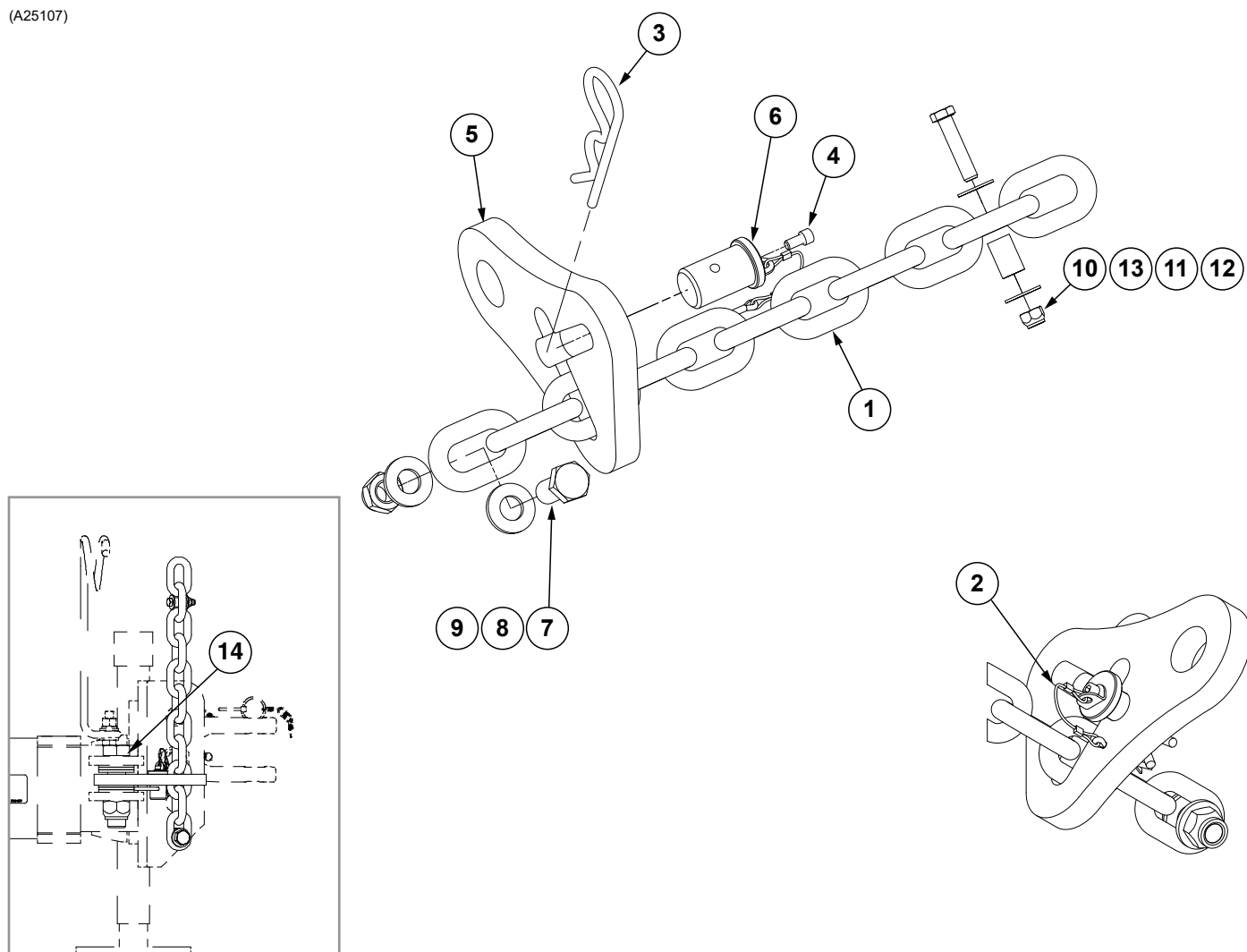
ITEM	PART NO.	QTY.	DESCRIPTION
1	---	---	See "Shank and Depth Adjustment (Split Row)" on page P59 See "Parallel Arms and Face Plate (Split Row)" on page P57
2	GA21482	1	See "Vacuum Seed Meter" on page P27
3	G11009	2	Locking Thumbscrew, 5/16"-18 x 3/4"
4	GD17052	1	Vacuum Plug
5	G10001	1	Hex Head Cap Screw, 3/8"-16 x 1"
	G11387	8	Hardened Washer, 3/8" SAE
	G10108	1	Lock Nut, 3/8"-16
6	G10180301	1	Vacuum Hose Guide
7	G10047	1	Hex Head Cap Screw, 3/8"-16 x 1 3/4"
8	GA20640	1	Meter Drive Assembly, 11/28 Tooth
	G3303-108	-	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, 5/16"-18 x 1 1/4"
	G10109	2	Lock Nut, 5/16"-18
10	G11013701	1	Clutch Adapter Plate
11	GB0926	1	Shank Cover
12	GB1313	1	90° Elbow, 1 1/2" Hose
13	GD29413	1	Hopper Shim
14	G10939	2	Hex Head Cap Screw, 3/8"-16 x 2 1/4"
	G11091	2	Serrated Flange Nut, 3/8"-16
15	GB0901	1	Air Dissipator Screen
16	GB0455	1	Bulk Fill Air Pressure Dissipator
17	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
	G11091	2	Serrated Flange Nut, 3/8"-16
18	GA25304	1	Meter Mount W/Inserts
	GD16561	-	Threaded Insert, 5/16"-18 (Included W/GA25304)
19	GB0717	1	Vacuum Meter Cover Hinge
20	GB0428	1	Vacuum Meter Cover
21	G10064	2	Hex Head Cap Screw, 1/4"-20 x 1"
	G10110	2	Lock Nut, 1/4"-20, Grade B
	G11385	4	Flat Washer, 1/4" SAE
22	GA21309	1	Meter Support
23	GB0430	1	Bulk Fill Large Cap
24	GD19508	1	Small O-Ring
25	GD19509	1	O-Ring, Large

PHA021/PHA025(A13595/TWL48c/A10709a)



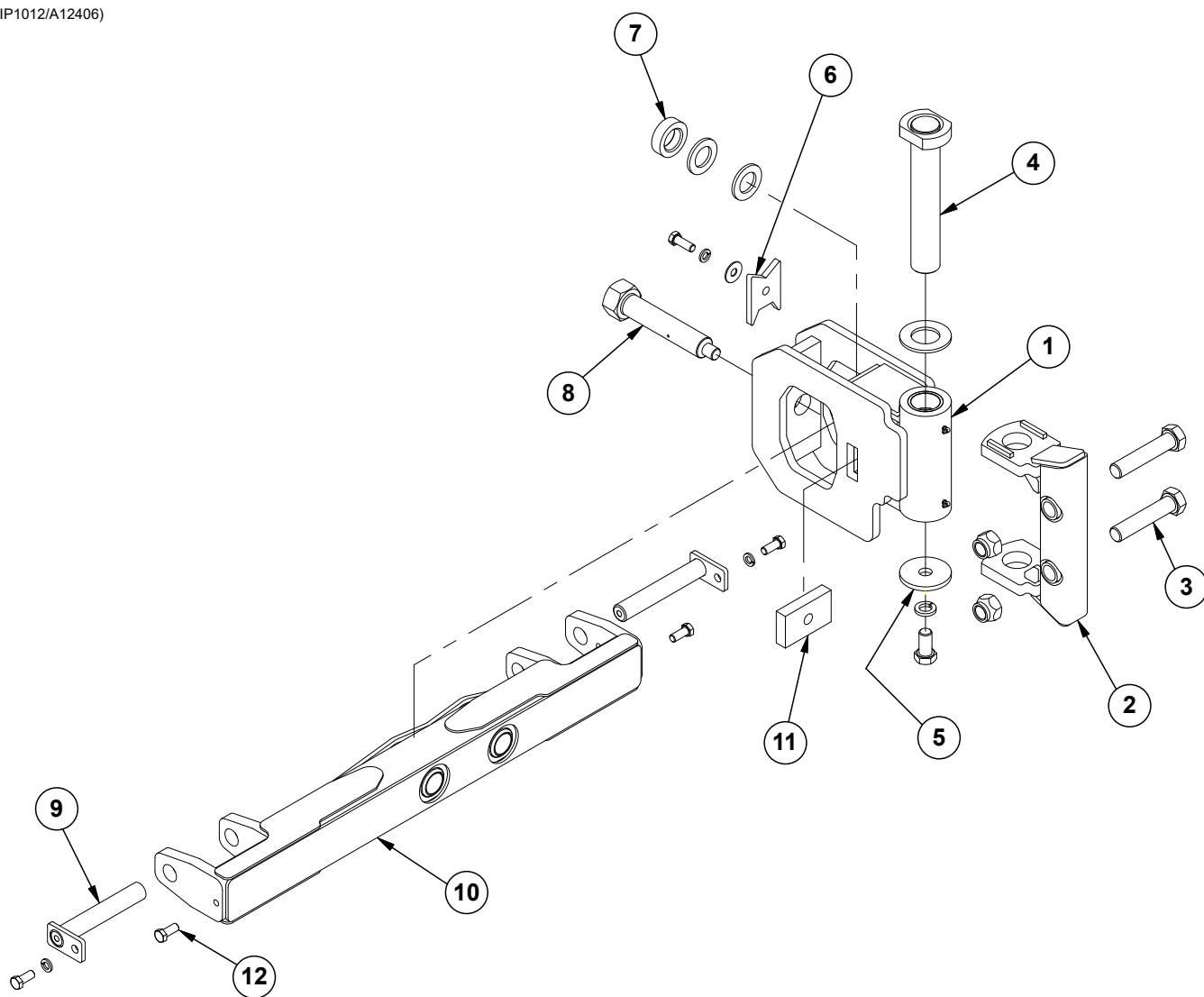
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA8699	1	Inner Hitch, 65 $\frac{1}{4}$ "
2	G10169	1	Hex Head Cap Screw, 1 $\frac{1}{4}$ "-7 x 6"
	G10157	1	Lock Nut, 1 $\frac{1}{4}$ "-7
3	GD16328	1	Hose Holder
4	G10217	2	Washer, $\frac{5}{8}$ " USS
	G10230	1	Lock Washer, $\frac{5}{8}$ "
	G10104	1	Hex Nut, $\frac{5}{8}$ "-11
5	GA13986	1	Jack Assembly Complete (Round Tube Style)
	GA4995	-	Detent Pin Assembly
	GR0516	-	Crank Assembly
	GR0515	-	Bevel Gear Set, Includes: (2) Bevel Gears, (1) Gear Pin, (1) Groove Pin
6	GB0156	1	Clevis
7	---	-	See "Outer Hitch" on page P121
8	GA10709	1	Inner Hitch, 65 $\frac{1}{4}$ ", 7 $\frac{1}{2}$ " Offset
9	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)

(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)

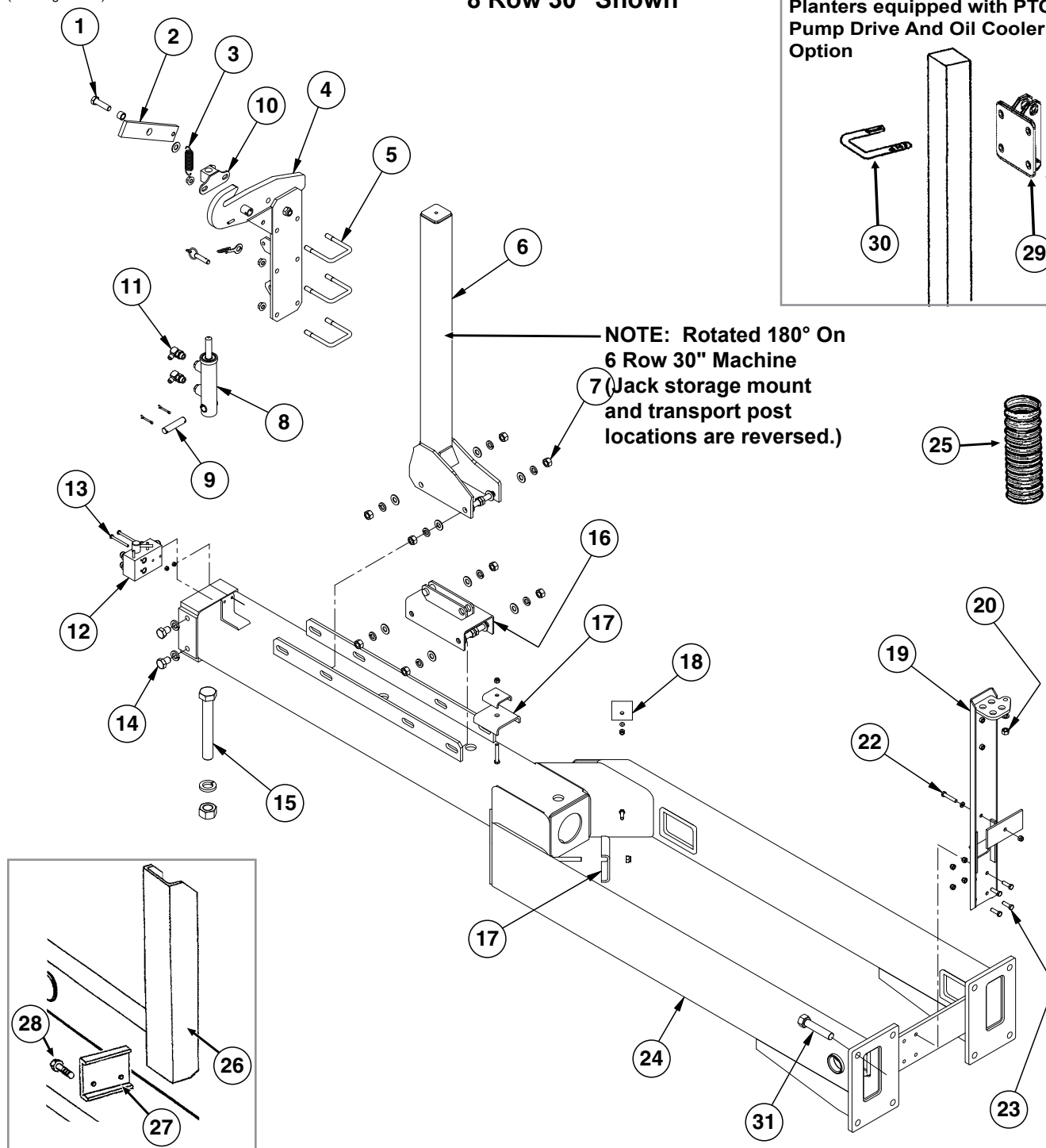
(IP1012/A12406)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA13665	1	Hitch Pivot
2	GA13783	1	Pivot Mount
3	G10169	2	Hex Head Cap Screw, 1¼"-7 x 6"
	G10157	2	Lock Nut, 1¼"-7
4	GA12163	1	Pin, 13⅜"
	GD15725	1	Washer, 4" O.D. x 2¼" I.D. x ¼"
5	GD17245	1	Washer, 4" O.D. x 1½" I.D. X ⅜"
	G11223	1	Hex Head Cap Screw, 1"-8 x 2"
	G10118	1	Lock Washer, 1"
6	GD15100	1	Pivot Lock
	G10230	1	Lock Washer, ⅝"
	G11391	1	Flat Washer, ⅝" SAE
	G10005	1	Hex Head Cap Screw, ⅞"-11 x 1¾"
7	GD16226	1	Sleeve, 3" O.D. x 1 ²⁵ / ₃₂ " x 2 ⁹ / ₃₂ " Thick
	GD16303	2	Washer, 3" O.D. x 1 ²⁵ / ₃₂ " x ¼" Thick
8	GA13673	1	Pivot Pin
9	GA11079	2	Hammer Strap, Category 3 And 3N
	G10007	2	Hex Head Cap Screw, ⅝"-11 x 1½"
	G10230	2	Lock Washer, ⅝"
10	GA12164	1	Hitch Bar
11	GD19468	1	Tapped Bar
12	G10034	2	Hex Head Cap Screw, ⅜"-16 x ½"

(TWL49g/IP1119)

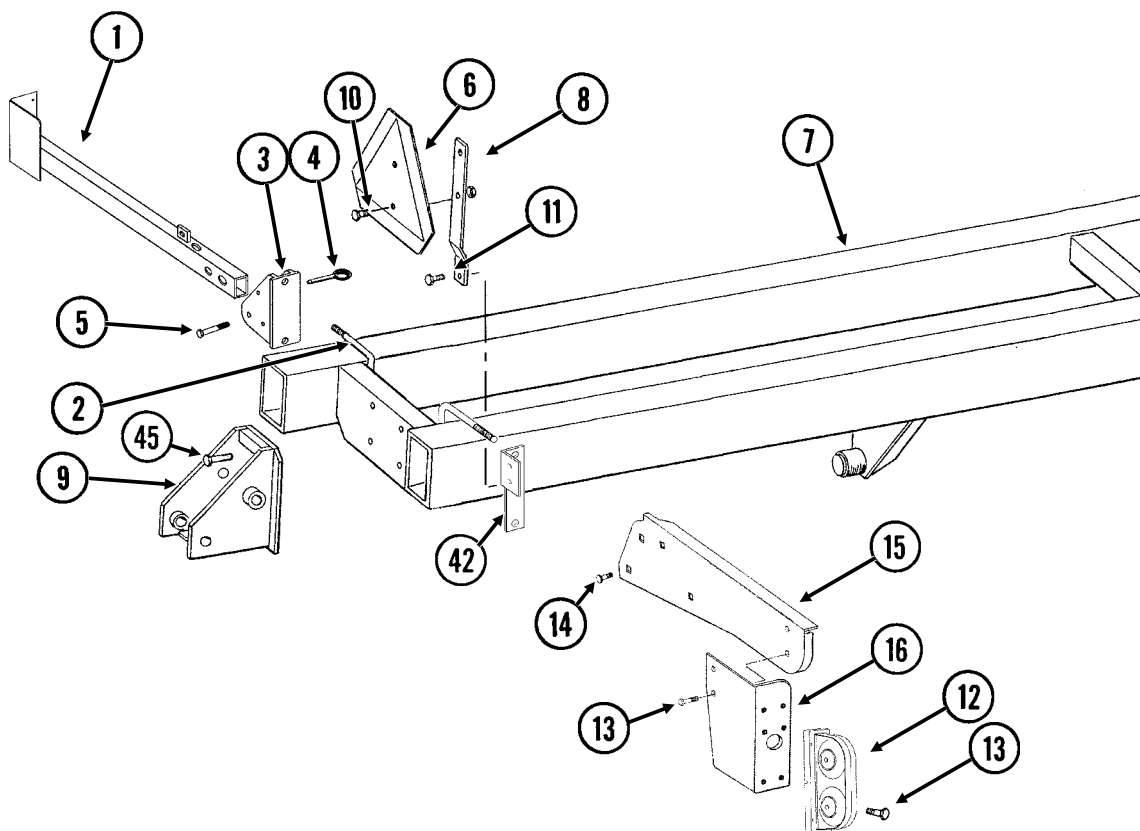
8 Row 30" Shown



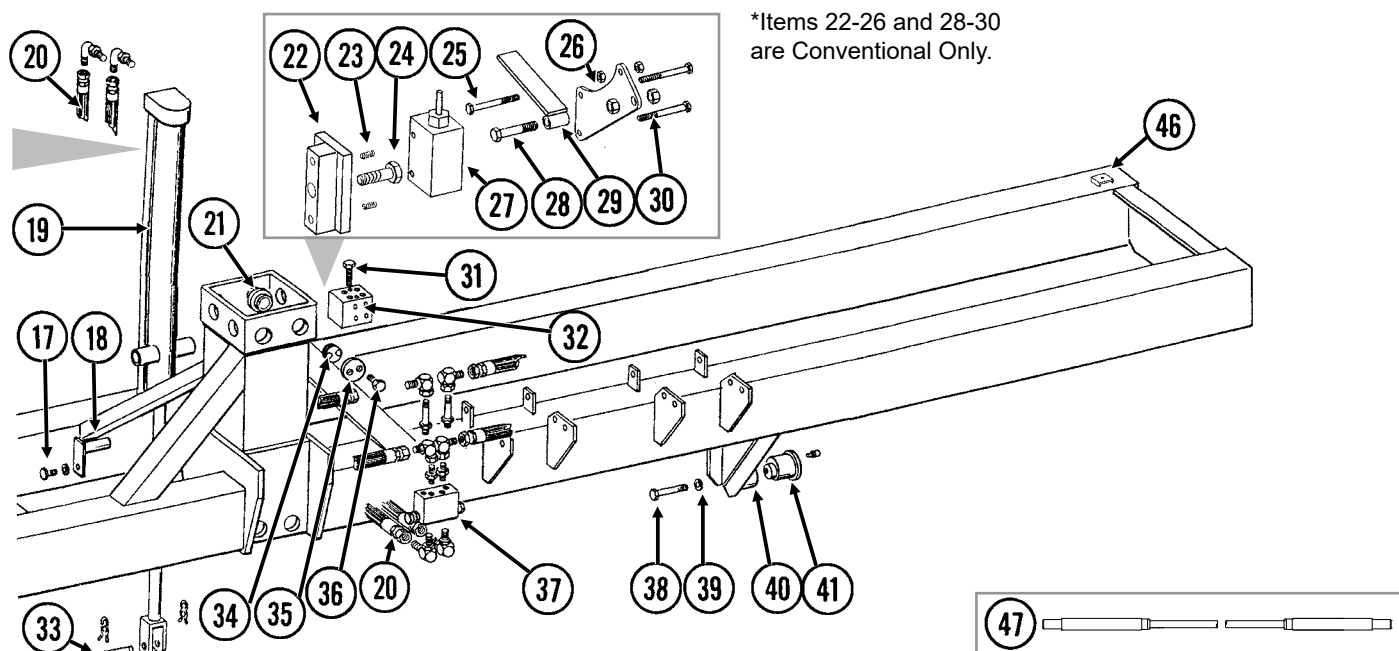
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10006	1	Hex Head Cap Screw, 5/8"-11 x 2 1/4"
	GB0218	1	Bushing, 2 1/32" I.D. x 7/8" O.D. x 1 9/32" Long
	G10107	1	Lock Nut, 5/8"-11
2	GA6422	1	Catch Bar
	GD7805	1	Special Washer, 5/8", Hardened
3	GD5857	1	Spring
4	GA6420	1	Transport Catch
	G10765	1	Spring Pin, 1/4" x 1"

ITEM	PART NO.	QTY.	DESCRIPTION
5	GD4743	3	U-Bolt, 3" x 3" x 1/2"-13
	GA7022	1	Detent Pin W/Chain
	G10071	6	Serrated Flange Nut, 1/2"-13
6	GA6623	1	Transport Post, 6 Row 30"
	GA6418		Transport Post, 8 Row 30" (Shown)
7	G10104	4	Hex Nut, 5/8"-11
	G10230	4	Lock Washer, 5/8"
	G10005	4	Hex Head Cap Screw, 5/8"-11 x 1 3/4"
	GD7805	4	Special Washer, 5/8", Hardened
8	GA9559	1	See "Transport Latch Cylinder, All Sizes" on page P177
9	GD7137	1	Pin, 3/4" x 3 3/8"
	G10457	2	Cotter Pin, 5/32" x 1 1/2"
10	GA21728	1	Rod Guide
11	G6801-06-08	2	Elbow W/O-Ring, 90°, 9/16"-18 Male JIC To 3/4"-16 O-Ring
	GR1037		O-Ring
12	---	-	See "Selector Valve" on page P189
13	G10746	2	Hex Head Cap Screw, 1/4"-20 x 2 3/4"
	G10110	2	Lock Nut, 1/4"-20, Grade B
14	G10716	2	Hex Head Cap Screw, 3/4"-10 x 1"
	G10231	2	Lock Washer, 3/4"
15	G10717	1	Hex Head Cap Screw, 1 1/4"-7 x 9"
	G10239	1	Hex Nut, 1 1/4"-7
	G10236	1	Lock Washer, 1 1/4"
16	G10740701	1	Jack Storage Mount
	G10104	4	Hex Nut, 5/8"-11
	G10230	4	Lock Washer, 5/8"
	G10005	4	Hex Head Cap Screw, 5/8"-11 x 1 3/4"
17	GD0740	2	Hose Clamp, 3/4" x 4" x 3 1/2"
	G10108	1	Lock Nut, 3/8"-16
18	GD0740	2	Hose Clamp, 3/4" x 4" x 3 1/2"
	G11387	1	Flat Washer, 3/8" SAE
	G10108	3	Lock Nut, 3/8"-16
19	GA11201	1	Hose Support
20	G10102	1	Hex Nut, 1/2"-13
	G10228	1	Lock Washer, 1/2"
	GA6608	1	Cable Assembly
21	---	-	---
22	G10048	1	Hex Head Cap Screw, 3/8"-16 x 2"
	GD16341	1	Hose Clamp, 3 3/4" x 6"
	G10229	1	Lock Washer, 3/8"
23	G10004	4	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G10108	4	Lock Nut, 3/8"-16
24	GA25836	1	Outer Hitch, 125 1/2"
25	GD9129-01	1	Hose Protector, 48"
26	GD14106	1	Channel (If Applicable)
27	GD10731	1	Wire Clamp (If Applicable)
28	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4" (If Applicable)
	G10108	2	Lock Nut, 3/8"-16 (If Applicable)
29	GA11528	-	Bracket
30	GD16642	2	U-Bolt, 3" x 4" x 1/2"-13
	G10228	4	Lock Washer, 1/2"
	G10102	4	Hex Nut, 1/2"-13
31	G10437	8	Hex Head Cap Screw, 3/4"-10 x 2 1/2", Grade 8
	GD2169	8	Special Washer, 25/32" I.D. x 1 1/4" O.D., Hardened
	G10112	8	Lock Nut, 3/4"-10

(TWL50e/A9689b/TWL51bb)



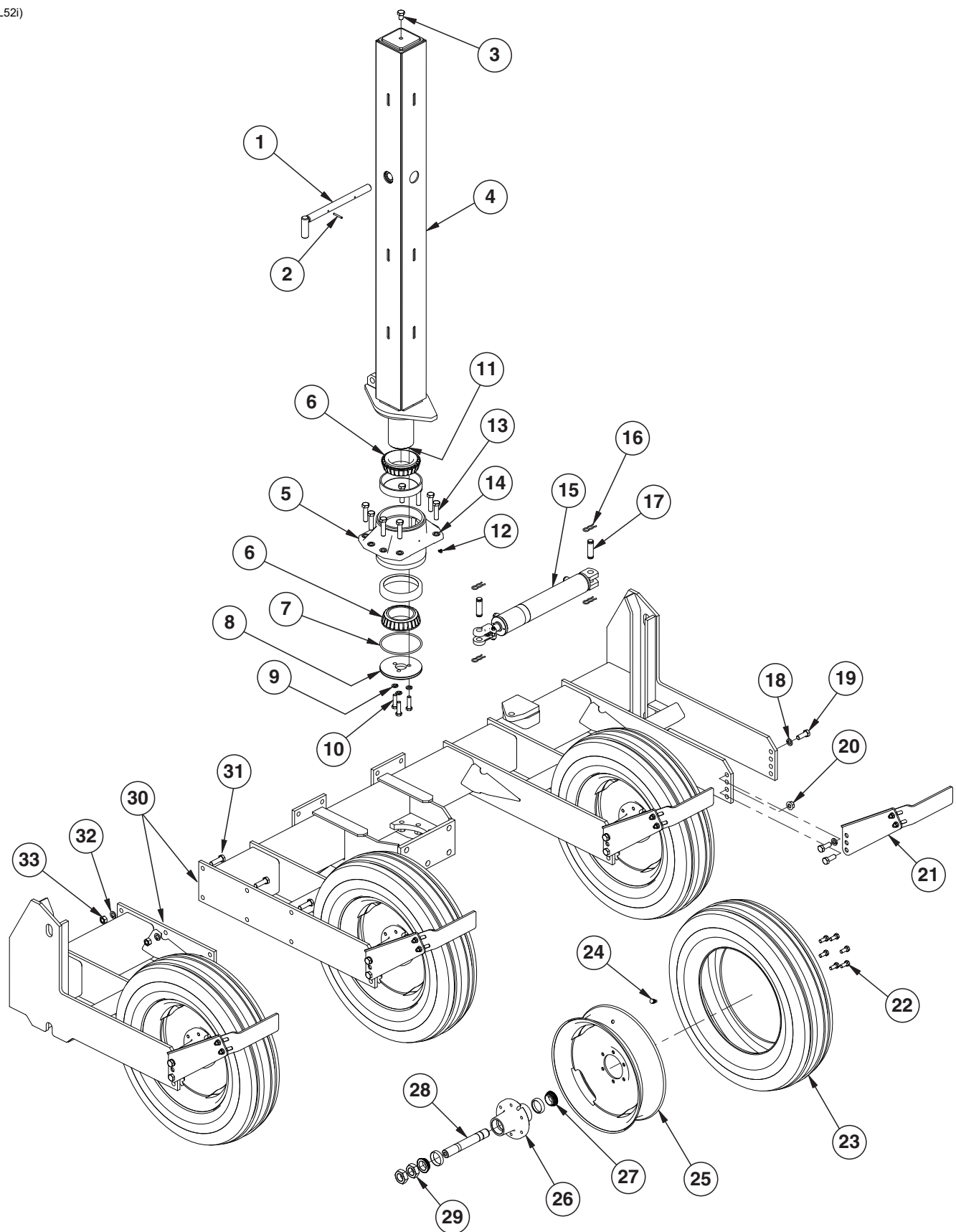
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA9840	1	Light Bracket
2	GD1113	2	U-Bolt, 5" x 7" x 5/8"-11
	G10230	4	Lock Washer, 5/8"
	G10104	4	Hex Nut, 5/8"-11
3	GB0309	1	Light Mount Bracket
4	G10874	1	Detent Pin, 1/2" x 3 1/2" Grip
5	G10033	1	Hex Head Cap Screw, 1/2"-13 x 3 1/2"
	G10206	4	Washer, 1/2" SAE
	G10111	1	Lock Nut, 1/2"-13
6	---	-	See "Decals, Paint, and Miscellaneous" on page P265
7	A9402	-	Frame, 188", 6 Row 30" Conventional (Non-Stock Item)
	A9401	-	Frame, 248", 8 Row 30" Conventional (Non-Stock Item)
	A24626	-	Frame, 248" 8 Row 30" Bulk Fill (Non-Stock Item)
8	GD6783	1	Bracket
9	---	-	See "Row Marker Assembly, Two-Fold Low Profile, 6 Row 30" (Coventional)" on page P141
			See "Row Marker Assembly, Two-Fold Low Profile, 8 Row 30" (Conventional)" on page P143
			See "Row Marker W/Mounts, 8 Row 30" (Bulk Fill)" on page P145
10	G10064	2	Hex Head Cap Screw, 1/4"-20 x 1"
	G10621	2	Serrated Flange Nut, 1/4"-20

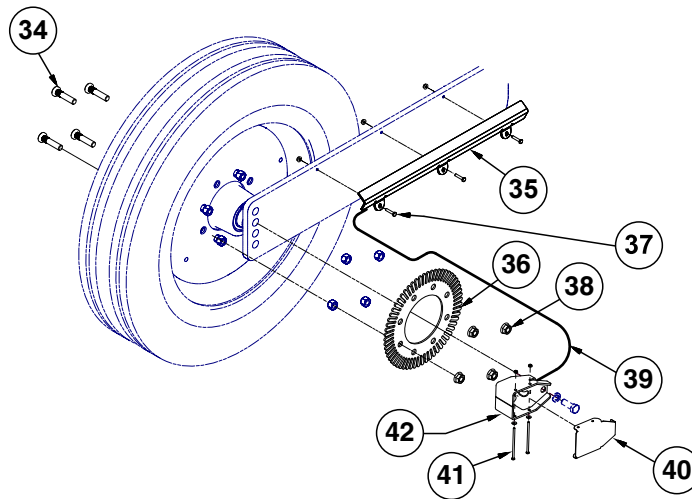


ITEM	PART NO.	QTY.	DESCRIPTION
11	G10004	2	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x $1\frac{1}{4}$ "
	G11091	2	Serrated Flange Nut, $\frac{3}{8}$ "-16
12	---	-	See "Electrical Components" on page P199
13	G10064	-	Hex Head Cap Screw, $\frac{1}{4}$ "-20 x 1"
	G10227	-	Lock Washer, $\frac{1}{4}$ "
	G10103	-	Hex Nut, $\frac{1}{4}$ "-20
	G10110	-	Lock Nut, $\frac{1}{4}$ "-20, Grade B
14	G10305	2-4	Carriage Bolt, $\frac{3}{8}$ "-16 x 1"
	G11091	2-4	Serrated Flange Nut, $\frac{3}{8}$ "-16
15	GD36264	1	Light Mount Extension
16	GD12724	1	Bracket
17	G10037	2	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x $1\frac{1}{4}$ "
	G10228	2	Lock Washer, $\frac{1}{2}$ "
	G10102	2	Hex Nut, $\frac{1}{2}$ "-13
18	GA5121	2	Pin, $2\frac{1}{8}$ "
19	---	-	See "Lift Cylinder, Conventional" on page P179 See "Lift Cylinder, Bulk Fill" on page P181
20	---	-	See "Planter Hydraulic System, Row Hoppers (6 Row)" on page P151 See "Planter Hydraulic System, Bulk Fill" on page P155
21	GD9093	16	Poly Wear Pad, 6 Row
	GD34081	16	Poly Wear Pad, 8 Row
22	GA6850	1	Valve Mount (Conventional Only)
23	G10120	2	Hex Socket Set Screw, $\frac{3}{8}$ "-16 x $\frac{1}{2}$ " (Conventional Only)
24	G10005	1	Hex Head Cap Screw, $\frac{5}{8}$ "-11 x $1\frac{3}{4}$ " (Conventional Only)
25	G10638	1	Hex Head Cap Screw, $\frac{1}{4}$ "-20 x 2" (Conventional Only)
	G10103	2	Hex Nut, $\frac{1}{4}$ "-20
26	GD10129	1	Mounting Bracket (Conventional Only)
27	---	-	See "Stroke Limiter Valve, Conventional" on page P189 See "Stroke Limiter Valve, Bulk Fill" on page P185
28	G10048	1	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 2" (Conventional Only)
	G10101	2	Hex Nut, $\frac{3}{8}$ "-16 (Conventional Only)

ITEM	PART NO.	QTY.	DESCRIPTION
29	GA7153	1	Stroke Limiter Arm (Conventional Only)
30	G10403	2	Hex Head Cap Screw, 1/4"-20 x 2 1/2" (Conventional Only)
	G10227	2	Lock Washer, 1/4" (Conventional Only)
31	G10172	2	Hex Head Cap Screw, 3/8"-16 x 5"
	G10108	2	Lock Nut, 3/8"-16
32	GD9971	1	Manifold Block
33	GR0375	1	Pin, 1" x 3 1/2"
	GR0193	2	Hair Pin Clip
34	GB0234	16	Adjustment Plug
35	GB0230	16	Cap
36	G10014	32	Hex Head Cap Screw, 1/2"-13 x 1"
37	---	-	See "Row Marker Sequencing/Flow Control Valve" on page P190
38	G10026	2	Hex Head Cap Screw, 3/4"-10 x 2"
	G10231	2	Lock Washer, 3/4"
39	GB0409	2	Spring Washer
40	GD10532	2	Sleeve
41	GA6497	2	Cam Follower W/Grease Fitting
	G10640	-	Grease Fitting, 1/4"-28
42	GD13250	1	SMV Bracket
43	---	-	---
44	---	-	---
45	G10006	4	Hex Head Cap Screw, 5/8"-11 x 2 1/4"
	G10230	4	Lock Washer, 5/8"
	G10104	4	Hex Nut, 5/8"-11
46	GD5875	1	Hose Clamp, 9/16" x 2 1/2" x 2"
	G10108	1	Lock Nut, 3/8"-16
47	GA6608	-	Cable Assembly

(TWL521)





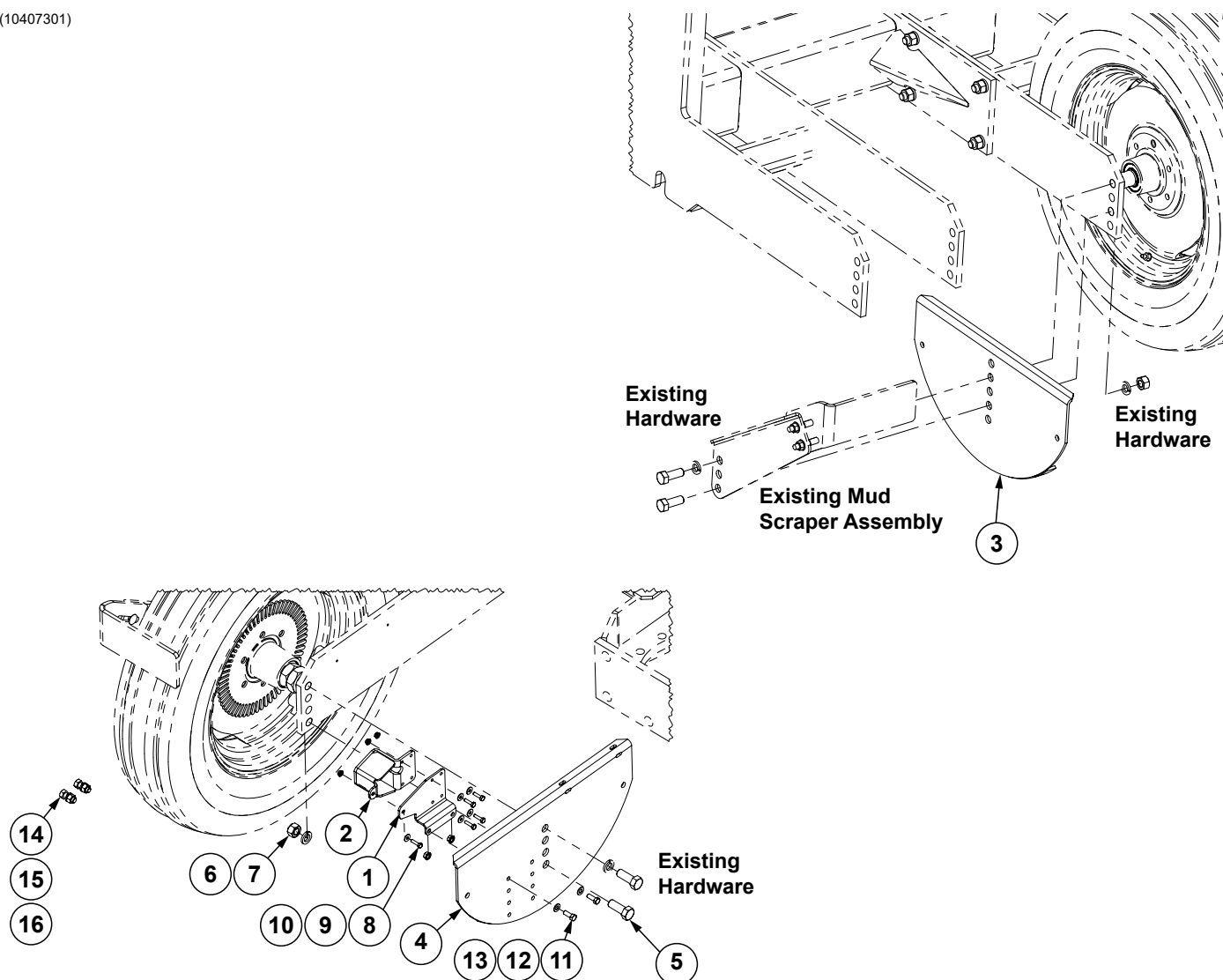
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA6849	1	Safety Lockup Pin
2	G10606	1	Spring Pin, 1/4" x 2"
	G10671	1	Slotted Spring Pin, 3/16" x 3 1/4"
3	G10716	1	Hex Head Cap Screw, 3/4"-10 x 1"
4	GA7543	1	Center Post
5	GA20686	1	Bearing Housing W/Cups, Less Grease Fitting
	GD9121	-	Cup (Included W/GA20686)
6	GA6435	2	Bearing
7	GD9130	1	O-Ring
8	GD9051	1	Bearing Cap
9	G11391	3	Flat Washer, 5/8" SAE
10	G10006	3	Hex Head Cap Screw, 5/8"-11 x 2 1/4"
11	GD9124	4	Shim, .020" Thick (As Required)
	GD9123	4	Shim, .007" Thick (As Required)
	GD9122	4	Shim, .005" Thick (As Required)
12	G10779	1	Grease Fitting, 90°, 1/4"-28
13	G10810	8	Hex Head Cap Screw, 3/4"-10 x 3 1/2", Grade 8
	G10105	8	Hex Nut, 3/4"-10
14	GD2169	16	Special Washer, 25/32" I.D. x 1 1/4" O.D., Hardened
15	GA8911	1	See "Rotation Cylinder" on page P177
16	GR0193	4	Hair Pin Clip
17	GR0375	2	Pin, 1" x 3 1/2"
18	G10231	8	Lock Washer, 3/4"
19	G10026	12	Hex Head Cap Screw, 3/4"-10 x 2"
20	G11314	4	Serrated Flange Nut, 3/4"-10
21	GA24561	4	Mud Scraper Assembly
	G10636	2	Carriage Bolt, 1/2"-13 x 1 1/2" (Included W/GA24561)
	G10071	2	Serrated Flange Nut, 1/2"-13 (Included W/GA24561)
	GD34178	1	Slotted Scraper (Included W/GA24561)
	GD20456	1	Short Scraper Arm (Included W/GA24561)
22	GR0270	24	Lug Bolt, 9/16"-18
23	GD13401	1	Tire, 7.50" x 20", 8 Ply, Tubeless W/O Center Rib (Specify Brand*)
24	GA7434	1	Valve Stem
25	GA14413	1	Rim, 5.50" x 20"
26	GA24826	1	Hub W/Cups, 6 Bolt
	GR0434	-	Cup (Included W/GA24826)

Continued on the next page.

ITEM	PART NO.	QTY.	DESCRIPTION
27	GA24825	2	Bearing
28	GA4693	1	Spindle, W/Round External Retaining Ring, 10½"
	GD11490	-	Round External Retaining Ring (Included W/GA4693)
29	G11081	2	Hex Jam Nut, 1½"-12, Grade 2
30	GA25838	1	Axle W/Stub, 6 Row
	GA17066	-	Stub Axle, 6 Row
	G10350301	1	Axle W/Stub, 8 Row
	GA17066	-	Stub Axle, 8 Row
31	G10027	6	Hex Head Cap Screw, ¾"-10 x 2½"
32	G10231	6	Lock Washer, ¾"
33	G10105	6	Hex Nut, ¾"-10
34	GD24354	4	Hub Bolt, ⅝"-18 x 2"
35	G10034401	1	Cable Guard
36	GD24353	1	Jump Start Wheel
37	G10023	3	Hex Head Cap Screw, ¼"-20 x ¾"
	G11385	3	Flat Washer, ¼" SAE
38	G11520	4	Locknut, ⅝"-18
39	GA13204	1	Motion Sensor
40	G10105001	1	Jump Start Sensor Cover
41	G10013101	2	Hex Head Cap Screw, ¼"-20 x 5½"
	G10209	2	Washer, ¼" USS
	G10621	2	Serrated Flange Nut, ¼"-20
42	G10099301	1	Jump Start Bracket
A	GA14412	4	Tire and Rim Assembly (Specify Brand*) (Items 23-25)
B	GA24829	4	Hub And Spindle Assembly (Items 26-29)
C	GA26928	1	Jump Start Bracket Assembly (Items 39-42)

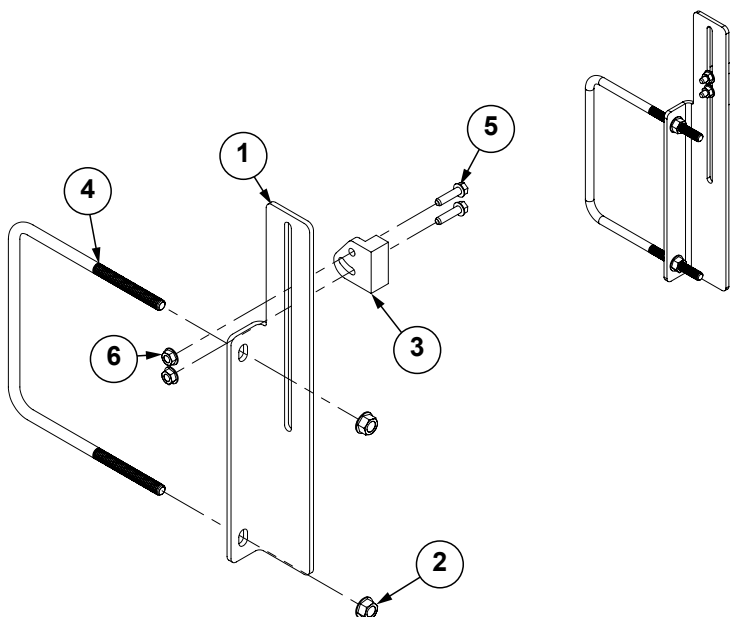
***Specific brand requests will be supplied only as available from current Kinze Repair Parts stock. If a specific brand requested is not in stock, the brand available will be supplied. Different brand tires may have different diameters. Change in tire brand may affect rates. Field checks are recommended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

(10407301)



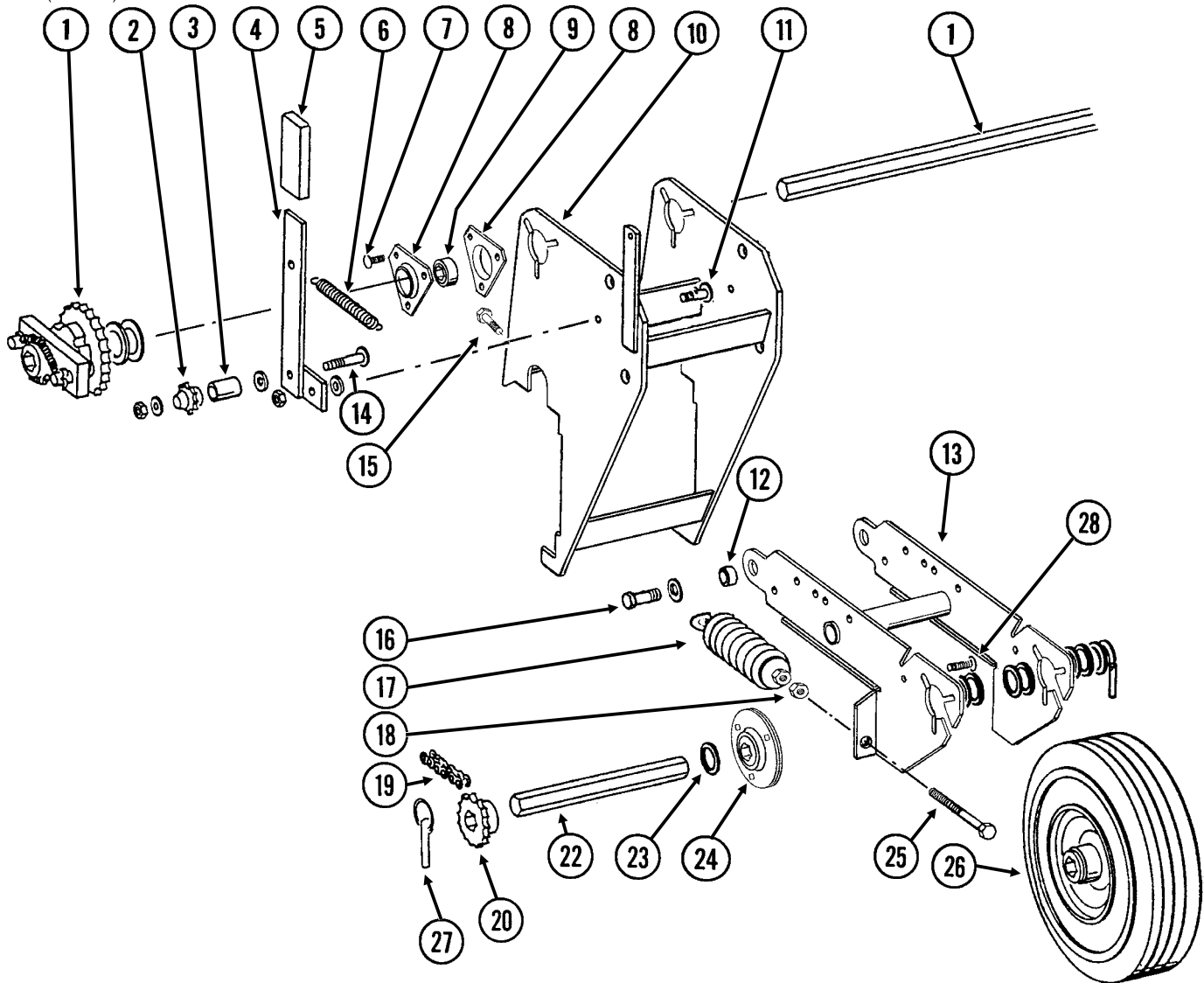
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10436101	1	Jump Start Mount Bracket
2	G10020501	1	Jump Start Bracket
3	GA6529		Rock Guard
4	G10407101	1	Rock Guard W/Speed Sensor
5	G10026	1	Hex Head Cap Screw, 3/4"-10 x 2"
6	G10231	1	Lock Washer, 3/4"
7	G10105	1	Hex Nut, 3/4"-10
8	G10064	5	Hex Head Cap Screw, 1/4"-20 x 1"
9	G10209	5	Washer, 1/4" USS
10	G10621	5	Serrated Flange Nut, 1/4"-20
11	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
12	G11387	2	Flat Washer, 3/8" SAE
13	G10622	2	Serrated Flange Nut, 3/8"-16
14	G10037	2	Hex Head Cap Screw, 1/2"-13 X 1 1/4"
15	G10228	2	Lock Washer, 1/2"
16	G10102	2	Hex Nut, 1/2"-13

(10405001)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10403701	1	Switch Mount Bracket
2	G11091	2	Serrated Flange Nut, 3/8\"-16
3	GA18353	1	Position Switch Magnetic Reed
4	G10403601	1	U-Bolt, 7\" x 6.625\" x 3/8\"-16
5	G11409	2	Hex Serrated Flanged Cap Screw, 1/4\"-20 x 1\"
6	G10621	2	Serrated Flange Nut, 1/4\"-20

PLA026(TWL5300)

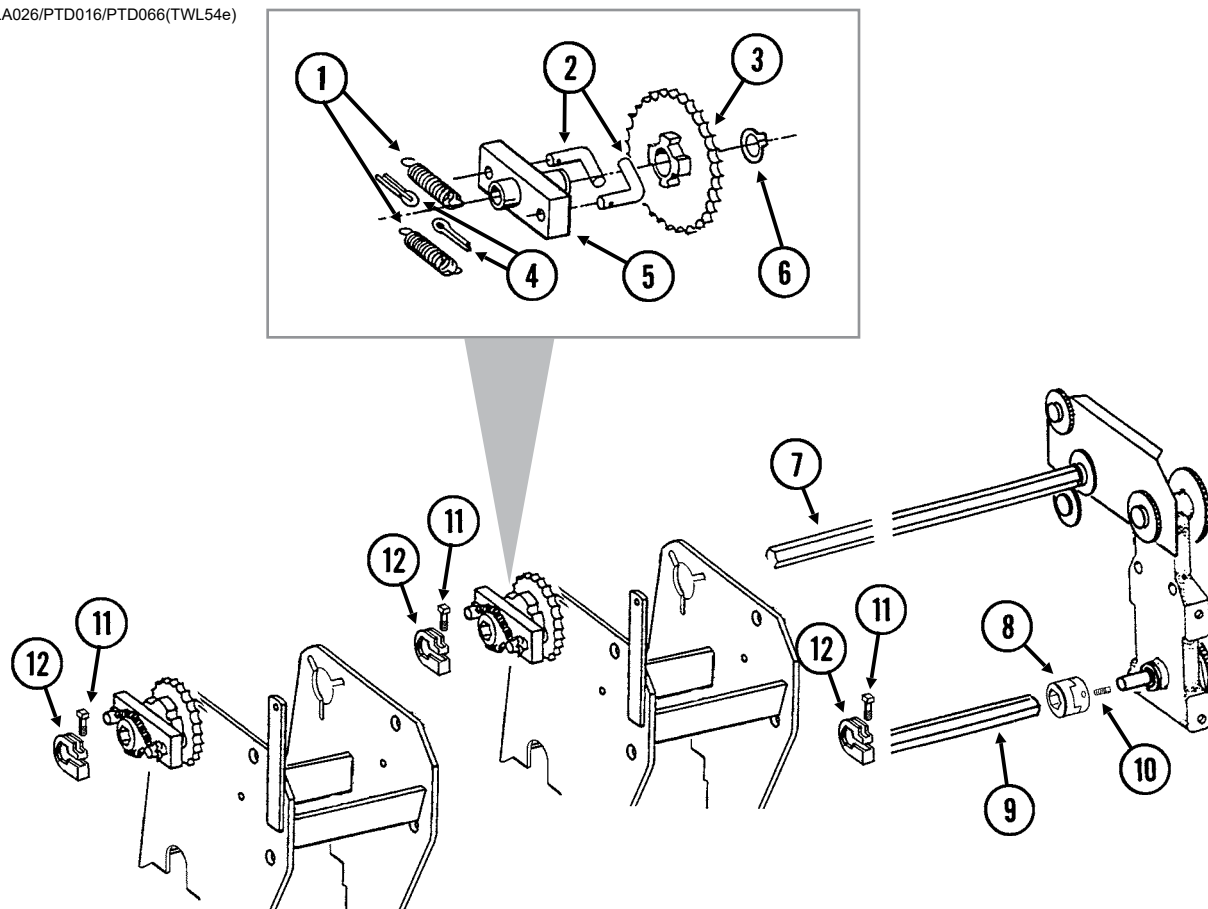


ITEM	PART NO.	QTY. (Per Wheel)	DESCRIPTION
1	---	-	See "Driveline" on page P133
2	GD7426	1	Sprocket, 12 Tooth
3	GD1026	1	Sleeve, 1 $\frac{3}{16}$ " Long
4	GA5157	1	Idler Arm, L.H.
5	GD5827	1	Cover
6	GD5857	1	Spring
7	G10303	3	Carriage Bolt, $\frac{5}{16}$ "-18 x 1"
	G10620	3	Serrated Flange Nut, $\frac{5}{16}$ "-18
8	G3400-01	4	Flangette
9	G2100-03	2	Bearing, $\frac{7}{8}$ " Hex Bore, Spherical
10	GA27097	1	Mount
11	G10004	1	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 1 $\frac{1}{4}$ "
	G10229	1	Lock Washer, $\frac{3}{8}$ "
	G10370	1	Machine Bushing, $\frac{3}{8}$ ", 22 Gauge
	GD5756	1	Special Nut, $\frac{3}{8}$ "-16
12	GB0218	2	Bushing, $2\frac{1}{32}$ " I.D. x $\frac{7}{8}$ " O.D. x $1\frac{9}{32}$ " Long
13	A7369	1	Wheel Arm (Non-Stock Item)(Sub G1K253)

ITEM	PART NO.	QTY. (Per Wheel)	DESCRIPTION
14	G10306	1	Carriage Bolt, 3/8"-16 x 2"
	G11387	-	Flat Washer, 3/8" SAE (As Required)
	G10108	1	Lock Nut, 3/8"-16
15	G11604	2	Hex Head Cap Screw, 3/8"-16 x 1 1/2"
	G10101	2	Hex Nut, 3/8"-16
16	G10751	2	Hex Head Cap Screw, 5/8"-18 x 1 3/4"
	G10235	6	Machine Bushing, 7/8", 14 Gauge
	G11391	4	Flat Washer, 5/8" SAE
	G10412	2	Lock Nut, 5/8"-18
17	GA2068	2	Spring W/Plug
18	G10501	2	Hex Jam Nut, 1/2"-13, Grade 2
19	G3310-116	1	Chain, No. 40, 116 Pitch Including Connector Link (Used With 15 And 19 Tooth Sprockets)
	G3310-124	1	Chain, No. 40, 124 Pitch Including Connector Link (Used With 30 Tooth Sprocket)
	GR0912	-	Connector Link, No. 40
20	GA5105	1	Sprocket, 15 Tooth
	GA5107	-	Sprocket, 19 Tooth
	GA5114	-	Sprocket, 30 Tooth
21	G10602	1	Spring Pin, 1/4" x 1 1/2"
22	GD6825-10.5	1	Hex Shaft, 7/8" x 10 1/2" (2 Holes)
23	G10233	6	Machine Bushing, 1 1/2" x 1/32", 10 Gauge
24	GA9846	-	Flanged Bearing, 7/8" Hex Bore
25	G11232	2	Hex Head Cap Screw, 1/2"-13 x 4", Grade 5
26	GA5090	-	Tire And Rim Assembly (Specify Brand*)
	GD5753	1	Tire, 4.10" x 6" (Specify Brand*) (Included W/GA5090)
	GD5752	1	Inner Tube (Included W/GA5090)
27	GD2558	1	Lynch Pin, 1/4"
28	G10303	-	Carriage Bolt, 5/16"-18 x 1"
	G10232	-	Lock Washer, 5/16"
	G10106	6	Hex Nut, 5/16"-18
A	G1K253	-	Contact Wheel Arm Replacement Kit (Items 13, 18, 21, 22, 24, 25, 27 And 28)

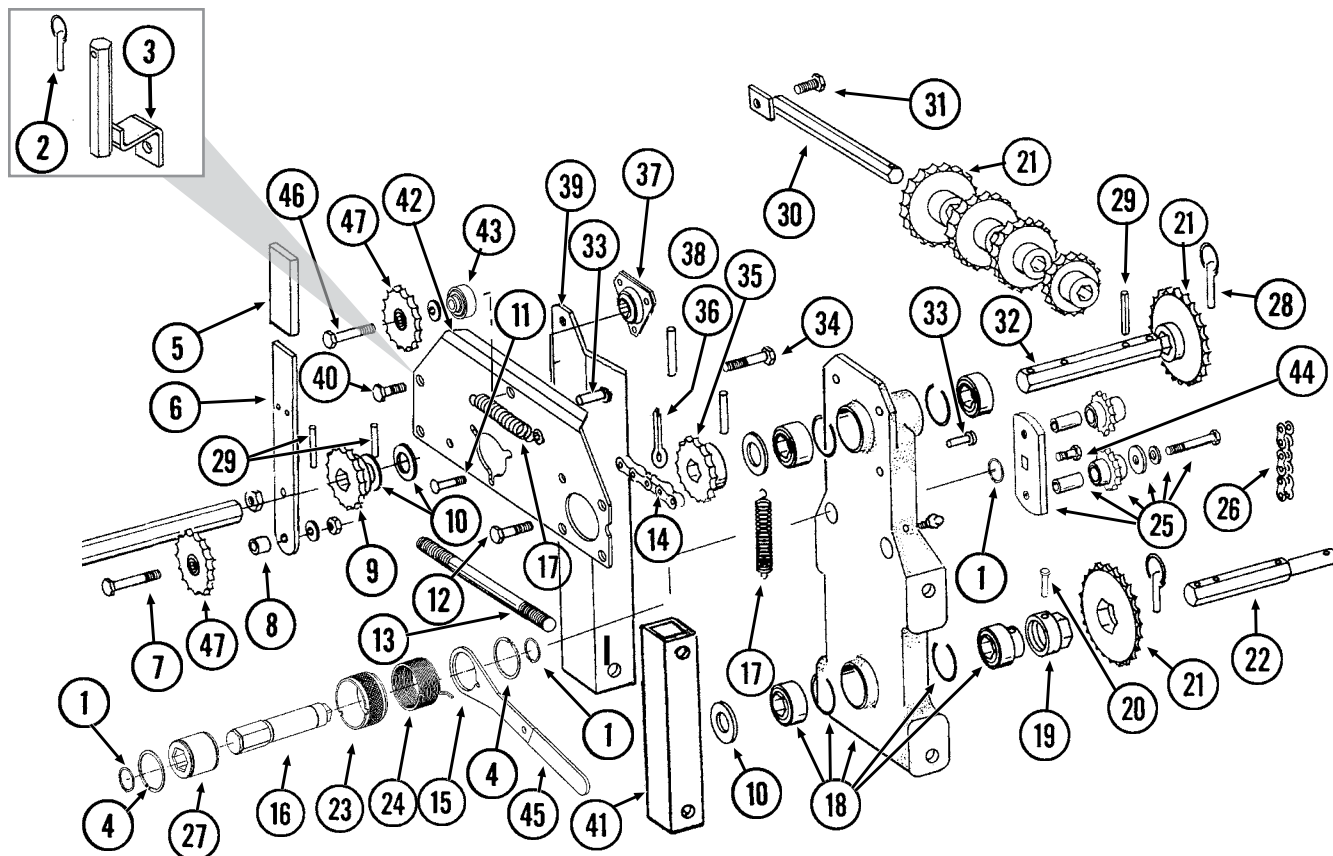
***Specific brand requests will be supplied only as available from current Kinze Repair Parts stock. If a specific brand requested is not in stock, the brand available will be supplied. Different brand tires may have different diameters. Change in tire brand may affect rates. Field checks are recommended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

PTD033/PLA026/PTD016/PTD066(TWL54e)



ITEM	PART NO.	QTY. (Per Planter)	DESCRIPTION
1	GD1256	4	Spring
2	GD1255	4	L-Pin
3	GA5165	2	Sprocket, 30 Tooth
4	G10453	4	Cotter Pin, $\frac{3}{16}$ " x 1"
5	GA0378	2	Block And Hub Assembly
6	G10430	2	External Retaining Ring, 1 $\frac{1}{4}$ "
7	GD9078	-	Hex Shaft, $\frac{7}{8}$ " x 58" (4 Holes), 6 Row 30"
	GD9077	-	Hex Shaft, $\frac{7}{8}$ " x 98" (4 Holes), 8 Row 30"
8	GB0287	2	Coupler
9	GD0914-165	-	Hex Shaft, $\frac{7}{8}$ " x 165" (No Holes), 6 Row 30"
	GD0914-225	-	Hex Shaft, $\frac{7}{8}$ " x 225" (No Holes), 8 Row 30"
10	G10131	4	Square Head Set Screw, $\frac{5}{16}$ "-18 x $\frac{3}{4}$ "
11	G10130	-	Square Head Machine Bolt, $\frac{5}{16}$ "-18 x 1 $\frac{3}{4}$ "
	G10923	-	Flange Nut, $\frac{5}{16}$ "-18, No Serration
12	GD11045	-	Lock Clamp
A	GA5164	-	Ratchet/Sprocket Assembly (Items 1-6)

(METR34aa/PT8mmPT8LL)



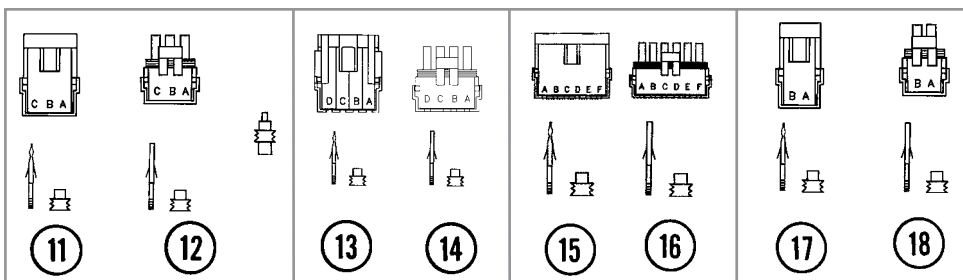
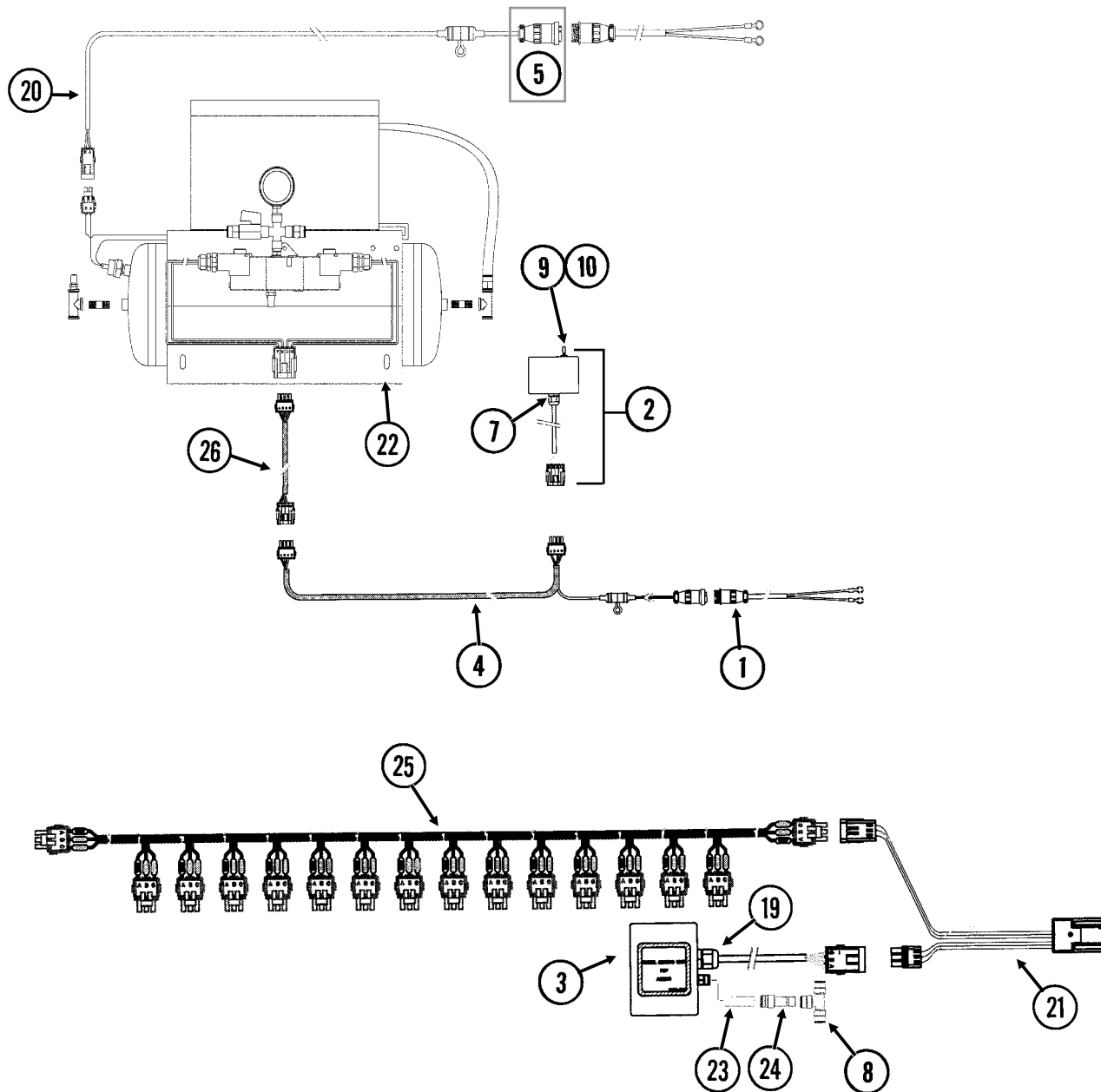
ITEM	PART NO.	QTY.	DESCRIPTION
1	G11075	3	Internal Inverted Snap Ring, $\frac{7}{8}$ "
2	GD2558	-	Lynch Pin, $\frac{1}{4}$ "
3	GA12178	1	Sprocket Storage Rod (Vacuum) See Item No. 21 for Sprockets
4	G10496	2	External Inverted Snap Ring, $1\frac{1}{2}$ "
5	GD5827	1	Cover
6	GD31450	1	Arm
7	G10053	1	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x $2\frac{1}{2}$ "
	G10128	-	Machine Bushing, $\frac{1}{2}$ ", 14 Gauge (As Required)
	G10102	1	Lock Nut, $\frac{1}{2}$ "-13
8	GD4887-01	1	Sleeve, $\frac{1}{2}$ " I.D. x $\frac{5}{8}$ " Long
9	GA5105	1	Sprocket, 15 Tooth
10	G10233	-	Machine Bushing, 1", 10 Gauge
11	G10303	3	Carriage Bolt, $\frac{5}{16}$ "-18 x 1"
	G10620	3	Serrated Flange Nut, $\frac{5}{16}$ "-18
12	G10037	3	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x $1\frac{1}{4}$ "
	G10228	3	Lock Washer, $\frac{1}{2}$ "
	G10102	3	Hex Nut, $\frac{1}{2}$ "-13
13	G10177	2	Hex Head Cap Screw, $\frac{5}{8}$ "-11 x $9\frac{1}{2}$ "
	G10230	2	Lock Washer, $\frac{5}{8}$ "
	G10104	2	Hex Nut, $\frac{5}{8}$ "-11
14	G3310-92	1	Chain, No. 40, 92 Pitch Including Connector Link
	G3310-100	-	Chain, No. 40, 100 Pitch Including Connector Link, Used With Half Rate (2 To 1)
	GR0912	-	Drive Reduction (Mechanical only)
		-	Connector Link, No. 40

Continued on the next page.

ITEM	PART NO.	QTY.	DESCRIPTION
15	GD14431	1	Handle
16	GD14427	1	Tightener Shaft, 4 $\frac{7}{8}$ "
17	GD5857	2	Spring
18	GA5629	1	Transmission Plate W/Bearings, Grease Fittings And Retaining Rings
	GA5116	3	Bearing, $\frac{7}{8}$ " Hex Bore, Cylindrical (Included W/GA5629)
	GA5624	1	Special Bearing, $\frac{7}{8}$ " Hex Bore x 1.6" (Included W/GA5629)
	GD6551	4	Ring (Included W/GA5629)
	G10641	-	Grease Fitting, $\frac{1}{8}$ " NPT (Included W/GA5629)
19	GD7127	1	Shear Coupler
20	G10821	1	Clevis Pin, $\frac{3}{16}$ " x 2"
	G10455	-	Cotter Pin, $\frac{1}{16}$ " x $\frac{1}{2}$ "
21	GA5105	1	Sprocket, 15 Tooth
	GA5106	1	Sprocket, 17 Tooth
	GA5107	1	Sprocket, 19 Tooth
	GA5108	2	Sprocket, 23 Tooth
	GA5109	1	Sprocket, 24 Tooth
	GA5110	1	Sprocket, 25 Tooth
	GA5111	1	Sprocket, 26 Tooth
	GA5112	1	Sprocket, 27 Tooth
	GA5113	1	Sprocket, 28 Tooth
22	GD7822	1	Shaft, $\frac{7}{8}$ " x 7"
23	GD19343	1	Release Collar, Gold, R.H.
24	GD14413	1	Torsion Spring, L.H. (Used On R.H. Wrap Spring Wrench)
25	GA7336	1	Idle W/Bolt-On Sprockets
	GD7426	-	Sprocket, 12 Tooth (Included W/GA7336)
	GD1026	-	Sleeve, 1 $\frac{3}{16}$ " Long (Included W/GA7336)
	G11387	-	Flat Washer, $\frac{3}{8}$ " SAE (Included W/GA7336)
	G10229	-	Lock Washer, $\frac{3}{8}$ " (Included W/GA7336)
	G10047	-	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 1 $\frac{3}{4}$ " (Included W/GA7336)
26	G3310-80	1	Chain, No. 40, 80 Pitch Including Connector Link
	GR0912	-	Connector Link, No. 40
27	GD14432	1	Sleeve, 1 $\frac{1}{4}$ "
28	GD2558	3	Lynch Pin, $\frac{1}{4}$ "
29	G10602	5	Spring Pin, $\frac{1}{4}$ " x 1 $\frac{1}{2}$ "
30	GA5146	1	Sprocket Storage Rod
31	G10017	1	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x 1 $\frac{1}{2}$ "
	G10527	1	Lock Washer, $\frac{1}{2}$ " Internal/External
	G10111	1	Lock Nut, $\frac{1}{2}$ "-13
32	GD5835	1	Shaft, $\frac{7}{8}$ " x 7"
33	G10870	1	Clevis Pin, $\frac{3}{8}$ " x 1"
	G10860	1	Retaining Ring, $\frac{3}{8}$ "
34	G10004	1	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 1 $\frac{1}{4}$ "
	G10229	1	Lock Washer, $\frac{3}{8}$ "
	G10203	-	Washer, $\frac{3}{8}$ " SAE (As Required)
	GD15538	-	Spacer, $\frac{3}{8}$ " I.D. x $\frac{7}{8}$ " O.D., 7 Gauge
	GD5756	1	Special Nut, $\frac{3}{8}$ "-16
35	GA5106	1	Sprocket, 17 Tooth, Standard Drive (Mechanical)
	GA5108	-	Sprocket, 23 Tooth, (Vacuum)
	GA5202	-	Sprocket, 34 Tooth, Half Rate (2 To 1) Drive Reduction (Mechanical only)
36	G10460	1	Cotter Pin, $\frac{1}{4}$ " x 2"
37	G2100-03	1	Bearing, $\frac{7}{8}$ " Hex Bore, Spherical
38	G3400-01	2	Flangette
39	GD30624	1	Angle Support, R.H.

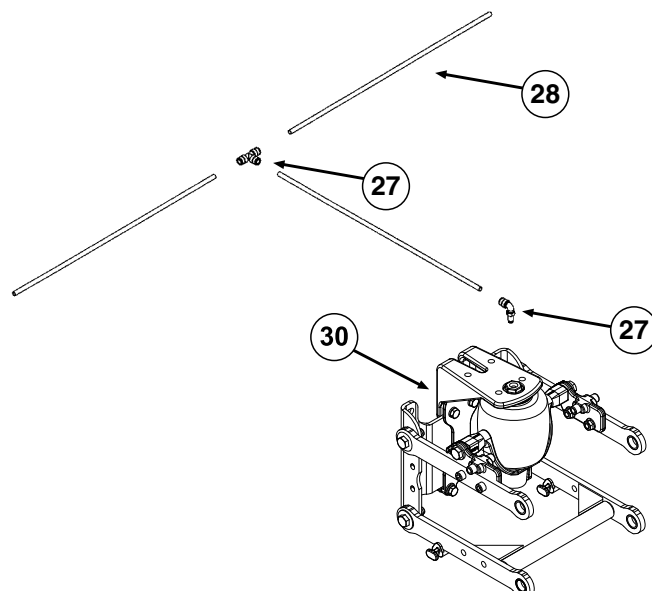
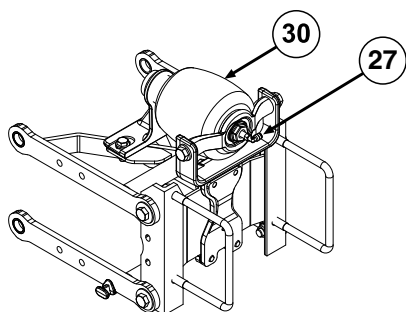
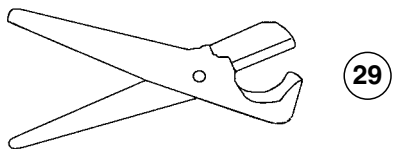
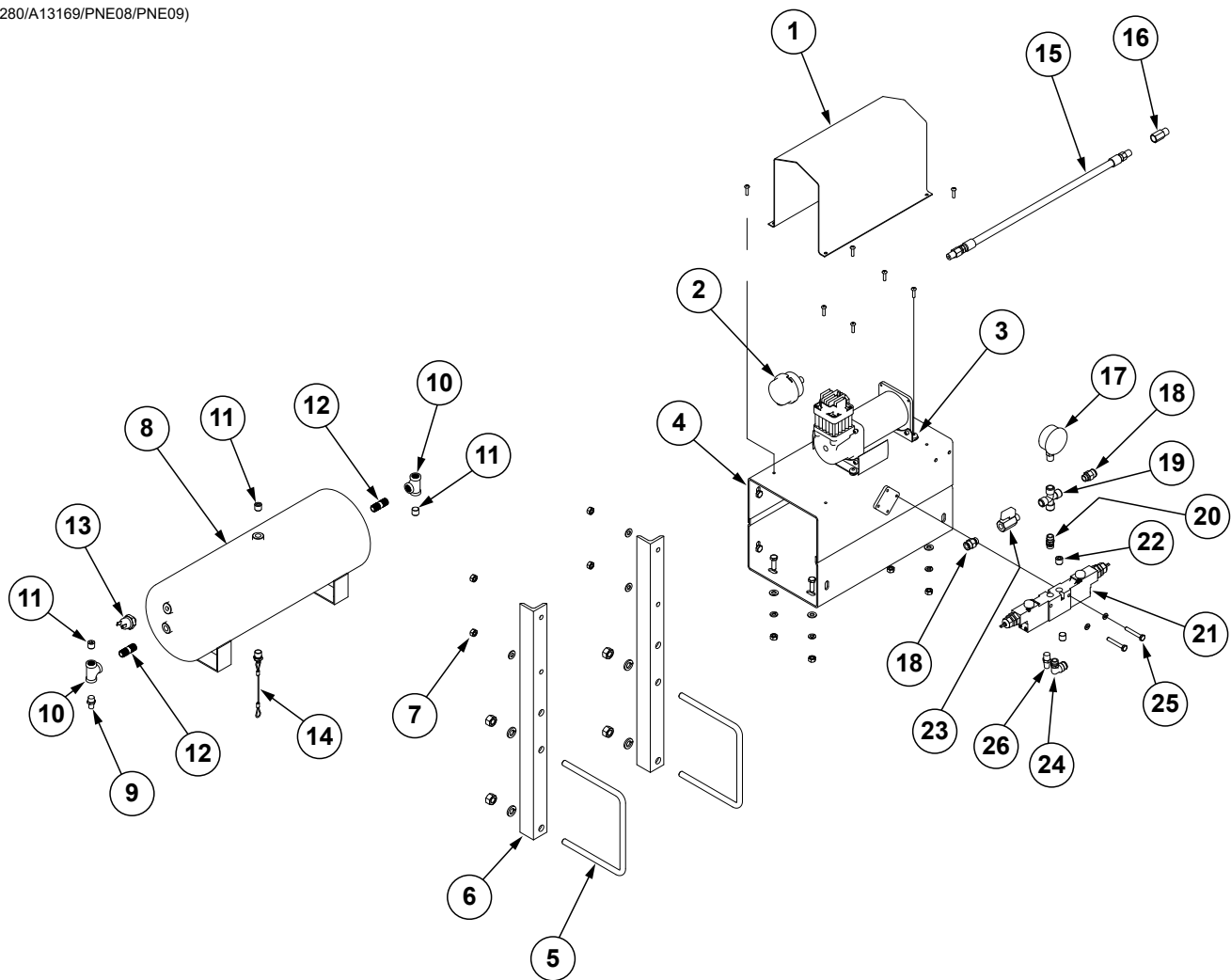
ITEM	PART NO.	QTY.	DESCRIPTION
40	G10017	2	Hex Head Cap Screw, ½"-13 x 1½"
	G10228	2	Lock Washer, ½"
	G10102	2	Hex Nut, ½"-13
41	GD9047	1	Spacer
42	GD30622	-	Reverser Plate
43	GB0259	-	Spacer, 1"
44	G11100	1	Hex Socket Button Head Cap Screw, ¼"-20 x ½", Grade 8
	G10227	1	Lock Washer, ¼"
	G11453	1	Fender Washer, ¼"
45	G11078	1	Vinyl Cap
46	G10038	1	Hex Head Cap Screw, ½"-13 x 3"
	G10128	-	Machine Bushing, ½", 14 Gauge (As Required)
	G10228	1	Lock Washer, ½"
	G10102	1	Hex Nut, ½"-13
47	GA7154	2	Sprocket W/Bearing, 18 Tooth
A	G1K378	1	Wrap Spring Wrench Replacement Kit, Gold Collar, R.H. (Items 1, 4, 15, 16, 23, 24, 27, 44, And 45)

(PNE01/MTR27a/ELC27b/MTR45/MTR27t)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA17547	2	Power Lead Adapter
2	GA12813	1	Control Console Assembly
3	GA14846	1	Sending Unit
4	GA13944	1	Wiring Harness W/Fuse Holder And Fuse, 206"
	GD14258	-	Fuse Holder (Included W/GA12645)
	GD14660	-	Fuse, 2 Amp Delay Action (Included W/GA12645)
5	G1K268	-	Console Cable Connector Kit, Includes: (1) 3-Pin Connector, (1) Cable Clamp, (1) Lock Ring, (3) Female Terminal Pins
6	---	-	---
7	GA9963	1	Strain Relief
8	GD18010	1	Tee, 3/8" Tube Union
9	GR1363	1	Hex Face Nut, 15/32"-32
10	GA20765	1	Switch, 3 Position Toggle, ON-OFF-ON
11	G1K248	-	3-Pin Female Connector Kit (Black), Includes: (3) 3-Pin Female Housings, (9) Pin Contacts, (9) Seals
12	G1K252	-	3-Pin Male Connector Kit (Black), Includes: (3) 3-Pin Male Housings, (9) Socket Contacts, (9) Seals
13	GA8328	-	4-Pin Female Connector Kit, Includes: (1) 4-Pin Female Housing, (4) Pin Contacts, (4) Seals
14	GA8329	-	4-Pin Male Connector Kit, Includes: (1) 4-Pin Male Housing, (4) Socket Contacts, (4) Seals
15	G1K396	-	6-Pin Female Connector Kit (Black), Includes: (3) 6-Pin Female Housings, (18) Pin Contacts, (18) Seals
16	G1K395	-	6-Pin Male Connector Kit (Black), Includes: (3) 6-Pin Male Housings, (18) Socket Contacts, (18) Seals
17	G1K321	-	2-Pin Female Connector Kit (Black), Includes: (3) 2-Pin Female Housings, (6) Pin Contacts, (6) Seals
18	G1K320	-	2-Pin Male Connector Kit (Black), Includes: (3) 2-Pin Male Housings, (6) Socket Contacts, (6) Seals
19	GA9964	2	Strain Relief
20	GA16391	1	Compressor Harness, 40'
21	GA12812	1	Hall Effect Adapter
22	---	-	See "Pneumatic Down Pressure Air Compressor, Dual Solenoid Assembly, Tubing, and Fittings" on page P139
23	GD17151-06	1	Nylon Tubing, 1/4" O. D. x 1 1/2"
24	GD18796	1	Reducer, 3/8" To 1/4"
25	---	-	See "KPM III Electronic Seed Monitor" on page P203
26	GA12858	1	Wiring Harness, 60'

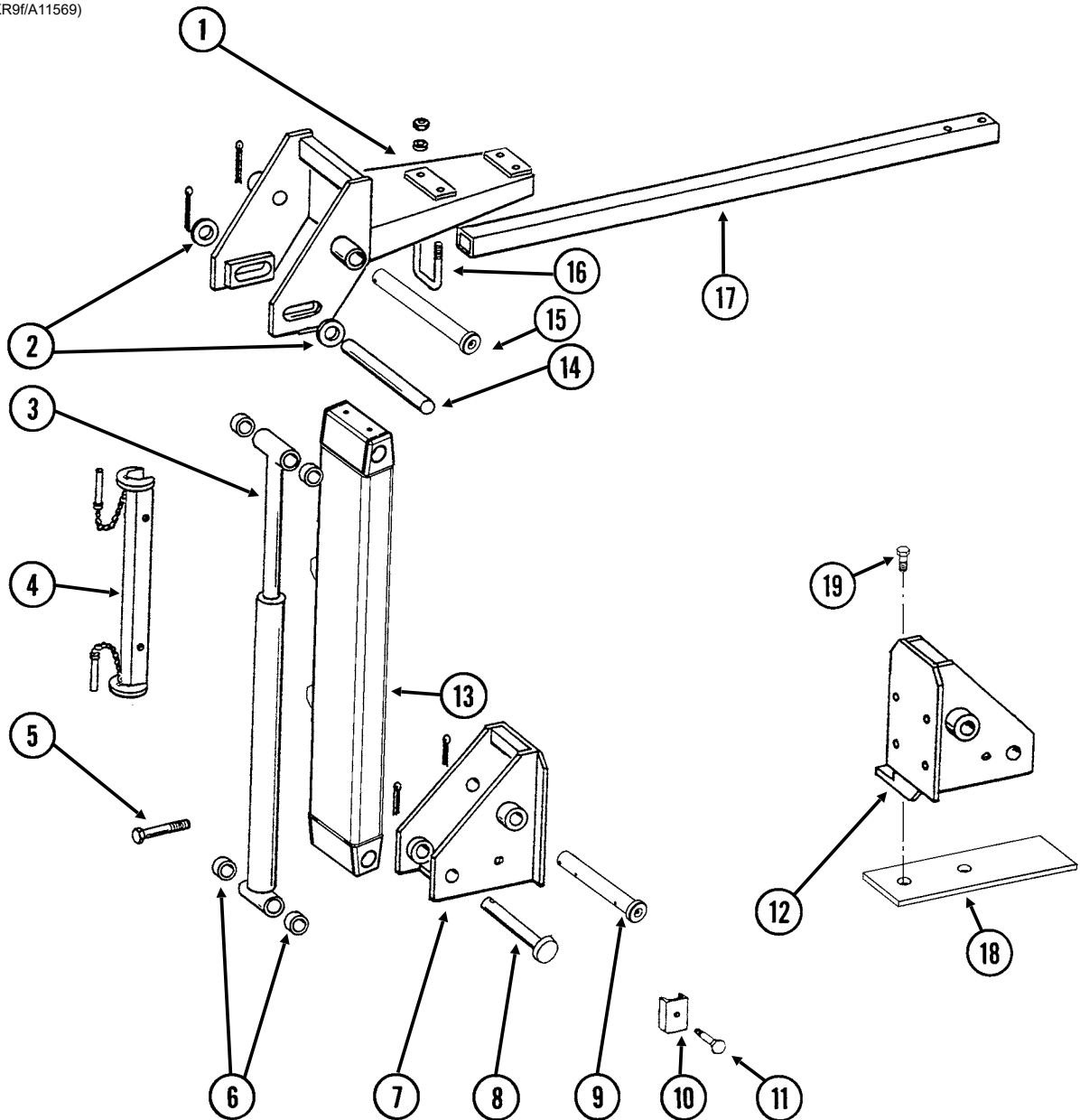
(IP1280/A13169/PNE08/PNE09)



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

ITEM	PART NO.	QTY.	DESCRIPTION
1	GD18112	1	Cover
	G11066	8	Phillips Pan Head Machine Screw, No. 10-24 x ¾", Stainless Steel
	G10992	8	Serrated Flange Nut, No. 10-24
2	GA14127	1	Filter Assembly
	GR1943	1	Filter (Included W/GA14127)
3	GA22273	1	Air Compressor
	G11066	4	Phillips Pan Head Machine Screw, No. 10-24 x ¾", Stainless Steel
	G10992	4	Serrated Flange Nut, No. 10-24
	GR2233		Vibration Isolator Gromet, 4 Pack
4	GA12358	1	Mount
	G10019	4	Hex Head Cap Screw, ⅝"-18 x 1"
	G10232	4	Lock Washer, ⅝"
	G11386	4	Flat Washer, ⅝" SAE
	G10106	4	Hex Nut, ⅝"-18
5	GD11721	2	U-Bolt, 5" x 7" x ½"-13
	G11389	4	Flat Washer, ½" Plated SAE
	G10111	4	Lock Nut, ½"-13
6	GD18119	2	Compressor Mount
7	G10106	4	Hex Nut, ⅝"-18
	G11386	4	Flat Washer, ⅝" SAE
	G10019	4	Hex Head Cap Screw, ⅝"-18 x 1"
8	GA11988	1	Tank, 3 Gallon
9	GA13512	1	Valve Stem, ¼" NPT
10	GD19237	2	Tee, ¼" NPT
11	GD17156	3	Plug, ¼" NPT
12	GD19238	2	Nipple, ¼" NPT
13	GR1778	1	Pressure Switch
14	GA11991	1	Drain, ¼" NPT
15	GR1951	1	Leader Hose without Check Valve
16	GR1921	1	Check Valve
17	GA21405	1	Pressure Gauge
18	GD17141	2	Connector, ¼" Male
19	GD18078	1	Female Cross, ¼" NPT
20	D17154	1	Connector, ¼" Male
21	GA22793	1	Dual Solenoid Assembly
22	GD17156	2	Plug, ¼" NPT
23	GA11992	1	Shutoff Valve, ¼" NPT
24	GD17143	1	Swivel Elbow, ¼" NPT x ⅜"
25	G10040	2	Hex Head Cap Screw, ¼"-20 x 1¾"
	G10227	2	Lock Washer, ¼"
26	GA11997	1	Breather, ¼" NPT
27	GD18274	-	Tee, ⅜" x ⅛" NPT Extended
	GD18010	-	Tee, ⅜" Tube Union
	GD18011	-	Elbow, ⅜" x ⅛" NPT Extended
28	GD17150-01	-	Nylon Tubing, ⅜" O.D. x 32', 6 Row Pull Row Units
	GD17150-02	-	Nylon Tubing, ⅜" O.D. x 44', 8 Row Pull Row Units
	GD17150-11	-	Nylon Tubing, ⅜" O.D. x 28', 5 Row Push Row Units
	GD17150-10	-	Nylon Tubing, ⅜" O.D. x 40', 7 Row Push Row Units
	GD17150-12	-	Nylon Tubing, ⅜" O.D. x 5', Even-Row Push Row Unit
29	GA13169	1	Tube Cutter W/Blade
	GR1843	-	Blade
30	---	-	See "Pneumatic Down Pressure Package (Split Row)" on page P63
A	GA12626	1	Air Compressor Assembly (Items 1-4, 8-14)
B	GA22793	-	Valve Seal Kit

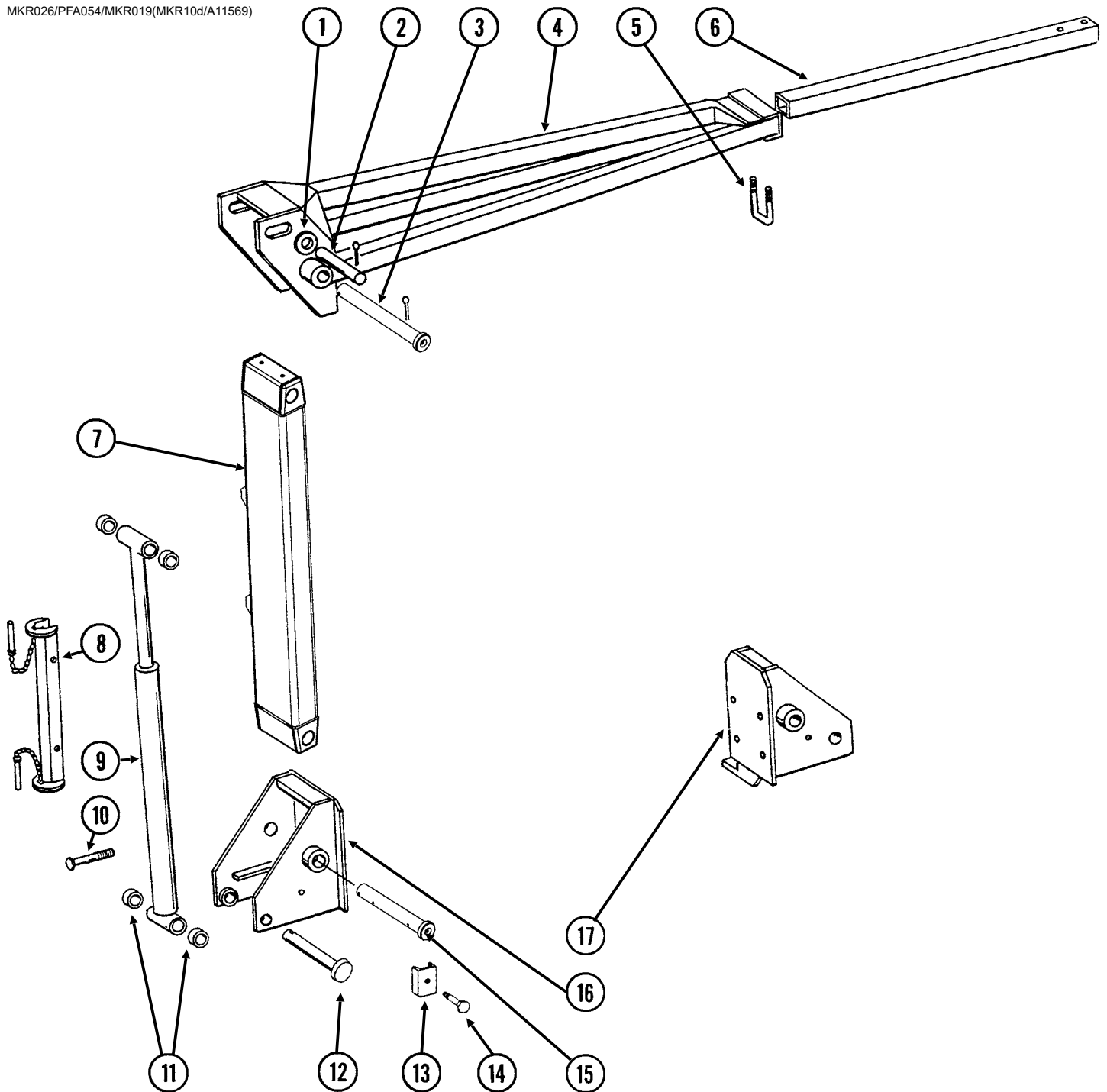
MKR025/PFA054(MKR9/A11569)



Row Marker Assembly, Two-Fold Low Profile, 6 Row 30" (Coventional)

ITEM	PART NO.	QTY. (Per Marker)	DESCRIPTION
1	GA6442	1	Arm, Second Stage, 20"
2	G11396	2	Flat Washer, 1¼" SAE
3	---	-	See "Row Marker W/Mounts. 8 Row 30" (Bulk Fill)" on page P146
4	GA24754	1	Safety Lockup W/Detent Pins
	G10536	-	Detent Pin, ½" x 2½" Grip (Included W/GA24754)
5	G10008	4	Hex Head Cap Screw, ⅝"-11 x 2"
	G10230	4	Lock Washer, ⅝"
	G11391	4	Flat Washer, ⅝" SAE
	G10104	4	Hex Nut, ⅝"-11
6	GD0752-41	-	Sleeve, 1" (If Applicable)
7	GA6859	1	Mount, L.H.
8	GD15386	1	Pin, 1¼" x 7⅝"
	G10460	1	Cotter Pin, ¼" x 2"
9	GD21143	-	Marker Pin, 1¼" x 9½"
	G10159	-	Washer, 1⅞"
	G11400	-	Retaining Ring, 1¼"
	G10640	-	Grease Fitting, ¼"-28
	G10463	-	Cotter Pin, ¼" x 1½"
10	GD5875	1	Hose Clamp, ⅞" x 2½" x 2"
11	G10003	1	Hex Head Cap Screw, ⅜"-16 x 1½"
	G10108	1	Lock Nut, ⅜"-16
12	GA6858	-	Mount, R.H.
13	GA13762	1	Arm, First Stage
	GD11751	-	Steel Bushing, 1" Wide
14	GD2161	1	Pin, 1¼" x 8¼"
	G10159	1	Washer, 1⅞"
	G10460	2	Cotter Pin, ¼" x 2"
15	GD21142	-	Marker Pin, 1¼" x 1⅜"
	G10159	-	Washer, 1⅞"
	G11400	-	Retaining Ring, 1¼"
	G10640	-	Grease Fitting, ¼"-28
	G10460	-	Cotter Pin, ¼" x 2"
16	GD2721	2	U-Bolt, 2" x 2" x ½"-13
	G10228	4	Lock Washer, ½"
	G10102	4	Hex Nut, ½"-13
17	GD0453-02	1	Extension Tube, 40"
	GD0453-06	-	Extension Tube, 30" (Used With Interplant Package Option)
	GD0453-05	-	Extension Tube, 55" (L.H. Side Only With Even-Row Push Row Unit)
18	GD13457	1	Extension Plate
19	G10005	2	Hex Head Cap Screw, ⅝"-11 x 1¾"
	G10230	2	Lock Washer, ⅝"
	G10104	2	Hex Nut, ⅝"-11

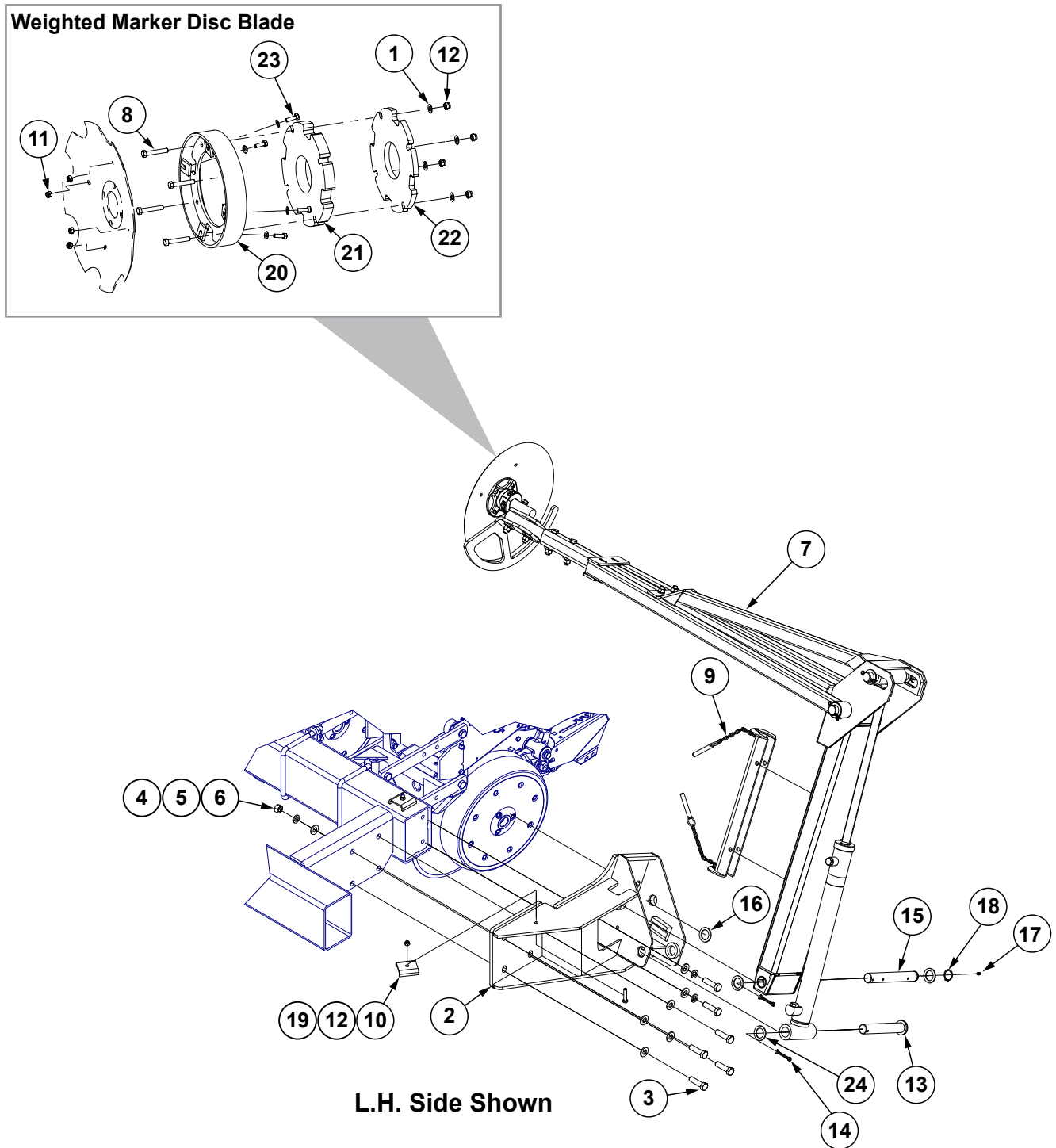
MKR026/PFA054/MKR019(MKR10d/A11569)



Row Marker Assembly, Two-Fold Low Profile, 8 Row 30" (Conventional)

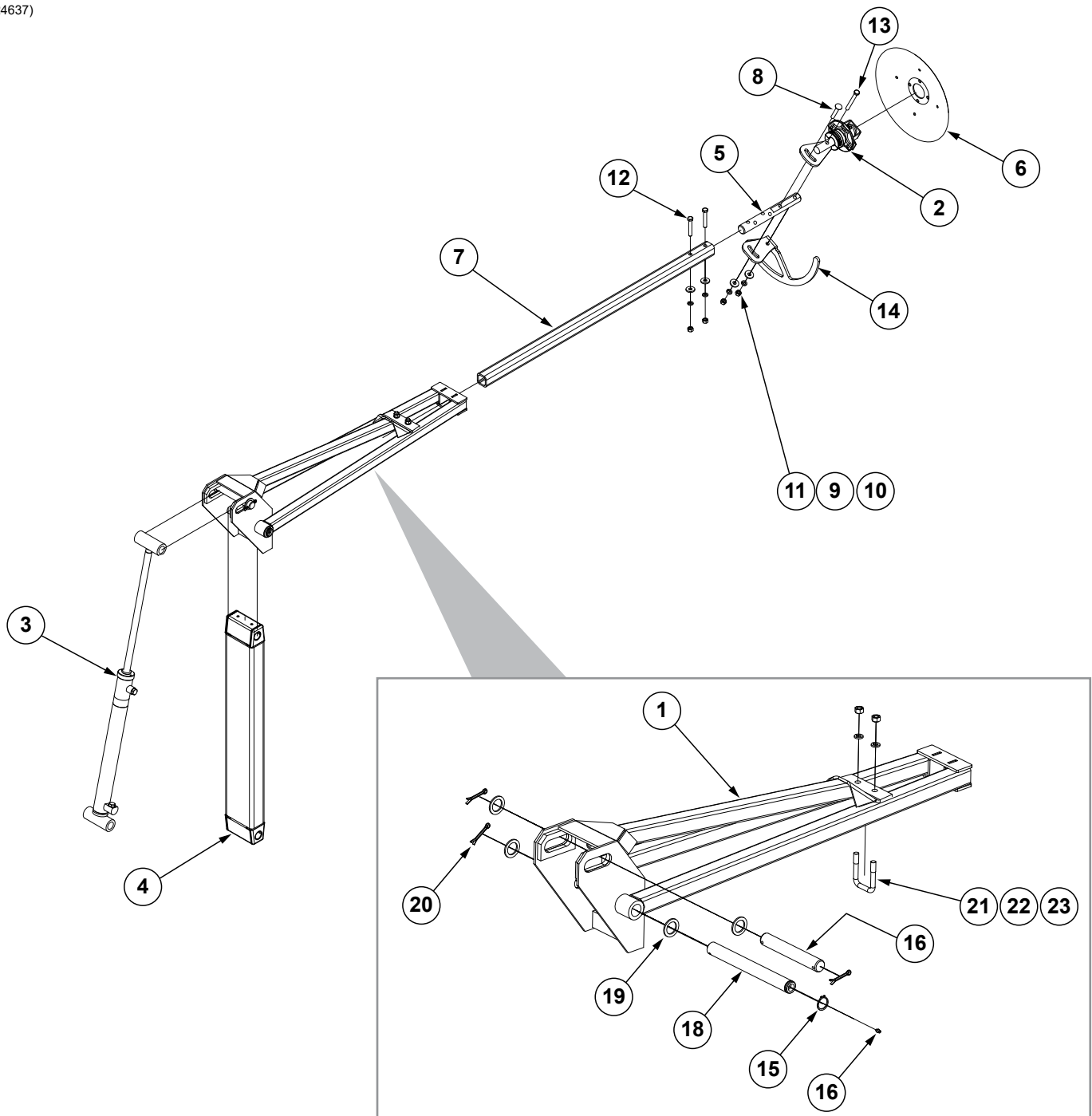
ITEM	PART NO.	QTY. (Per Marker)	DESCRIPTION
1	G11396	2	Flat Washer, 1¼" SAE
2	GD2161	1	Pin, 1¼" x 8¼"
	G10159	-	Washer, 1⅞"
	G10460	2	Cotter Pin, ¼" x 2"
3	GD21142	-	Marker Pin, 1¼" x 1⅜"
	G10159	-	Washer, 1⅞"
	G11400	-	Retaining Ring, 1¼"
	G10640	-	Grease Fitting, ¼"-28
	G10460	-	Cotter Pin, ¼" x 2"
4	GA5188	1	Arm, Second Stage
5	GD2721	1	U-Bolt, 2" x 2" x ½"-13
	G10228	2	Lock Washer, ½"
	G10102	2	Hex Nut, ½"-13
6	GD0453-03	1	Extension Tube, 50"
	GD0453-08	-	Extension Tube, 65" (L.H. Side Only With Even-Row Push Row Unit)
7	GA13762	1	Arm, First Stage
	GD11751	-	Steel Bushing, 1" Wide
8	GA24754	1	Safety Lockup W/Detent Pins
	G10536	-	Detent Pin, ½" x 2½" Grip (Included W/GA24754)
9	---	-	See "Row Marker W/Mounts. 8 Row 30" (Bulk Fill)" on page P145
10	G10008	4	Hex Head Cap Screw, ⅝"-11 x 2"
	G10230	4	Lock Washer, ⅝"
	G11391	4	Flat Washer, ⅝" SAE
	G10104	4	Hex Nut, ⅝"-11
11	GD0752-41	-	Sleeve, 1" (If Applicable)
12	GD15386	1	Pin, 1¼" x 7⅝"
	G10460	1	Cotter Pin, ¼" x 2"
13	GD5875	1	Hose Clamp, ⅞" x 2½" x 2"
14	G10003	1	Hex Head Cap Screw, ⅜"-16 x 1½"
	G10229	1	Lock Washer, ⅜"
	G10101	1	Hex Nut, ⅜"-16
15	GD21143	-	Pin W/Grease Fitting, 1¼" x 9½"
	G10159	-	Washer, 1⅞"
	G11400	-	Retaining Ring, 1¼"
	G10640	-	Grease Fitting, ¼"-28
	G10463	-	Cotter Pin, ¼" x 1½"
16	GA6859	1	Mount, L.H.
17	GA6858	-	Mount, R.H.

(A24450)



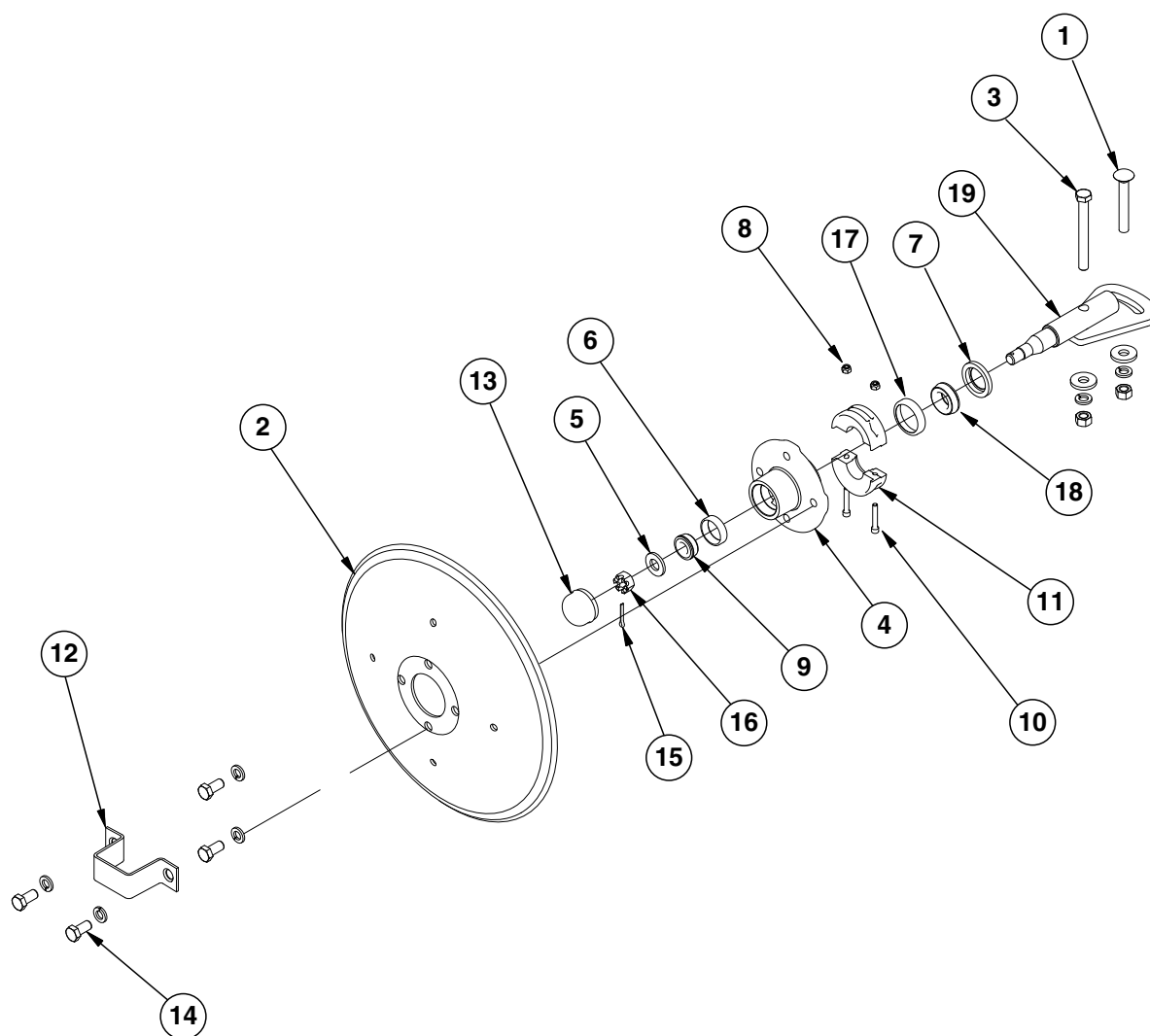
ITEM	PART NO.	QTY.	DESCRIPTION
1	G11387	4	Flat Washer, 3/8" SAE
2	GA24511	1	Marker Mount, R.H.
	GA24513	1	Marker Mount, L.H.
3	G10006	12	Hex Head Cap Screw, 5/8"-11 x 2 1/4"
4	G11391	20	Flat Washer, 5/8" SAE
5	G10230	12	Lock Washer, 5/8"
6	G10104	8	Hex Nut, 5/8"-11
7	---	-	See "Row Marker Assembly, 8 Row 30" (Bulk Fill)" on page P147
8	G10939	4	Hex Head Cap Screw, 3/8"-16 x 2 1/4"
9	GA24754	2	Safety Lockup W/Detent Pins, 19 3/8"
	G10536	2	Detent Pin, 1/2" x 2 1/2" (Included W/GA24754)
10	GD5875	4	Hose Clamp, 9/16" x 2 1/2" x 2"
11	G10109	4	Lock Nut, 5/16"-18, Grade 8
12	G10108	8	Lock Nut, 3/8"-16
13	GD15386	2	Pin, 1 1/4" x 7 5/8"
14	G10460	4	Cotter Pin, 1/4" x 2"
15	GD21143	2	Marker Pin, 1 1/4" x 9 1/2"
16	G11334	2	Washer, 1 7/8", 14 Gauge (.0747")
17	G10640	2	Grease Fitting, 1/4"-28
18	G11400	2	Retaining Ring, 1 1/4"
19	G10047	2	Hex Head Cap Screw, 3/8"-16 x 1 3/4"
20	G10428401	1	Weighted Depth Band
21	G10428701	1	Marker Weight, 1"
22	G10428601	1	Marker Weight, 1/2"
23	G10019	4	Hex Head Cap Screw, 5/16"-18 x 1"
	G11386	4	Flat Washer, 5/16" SAE
24	G10159	6	Washer, 1 7/8", 10 Gauge (.1345")

(A24637)



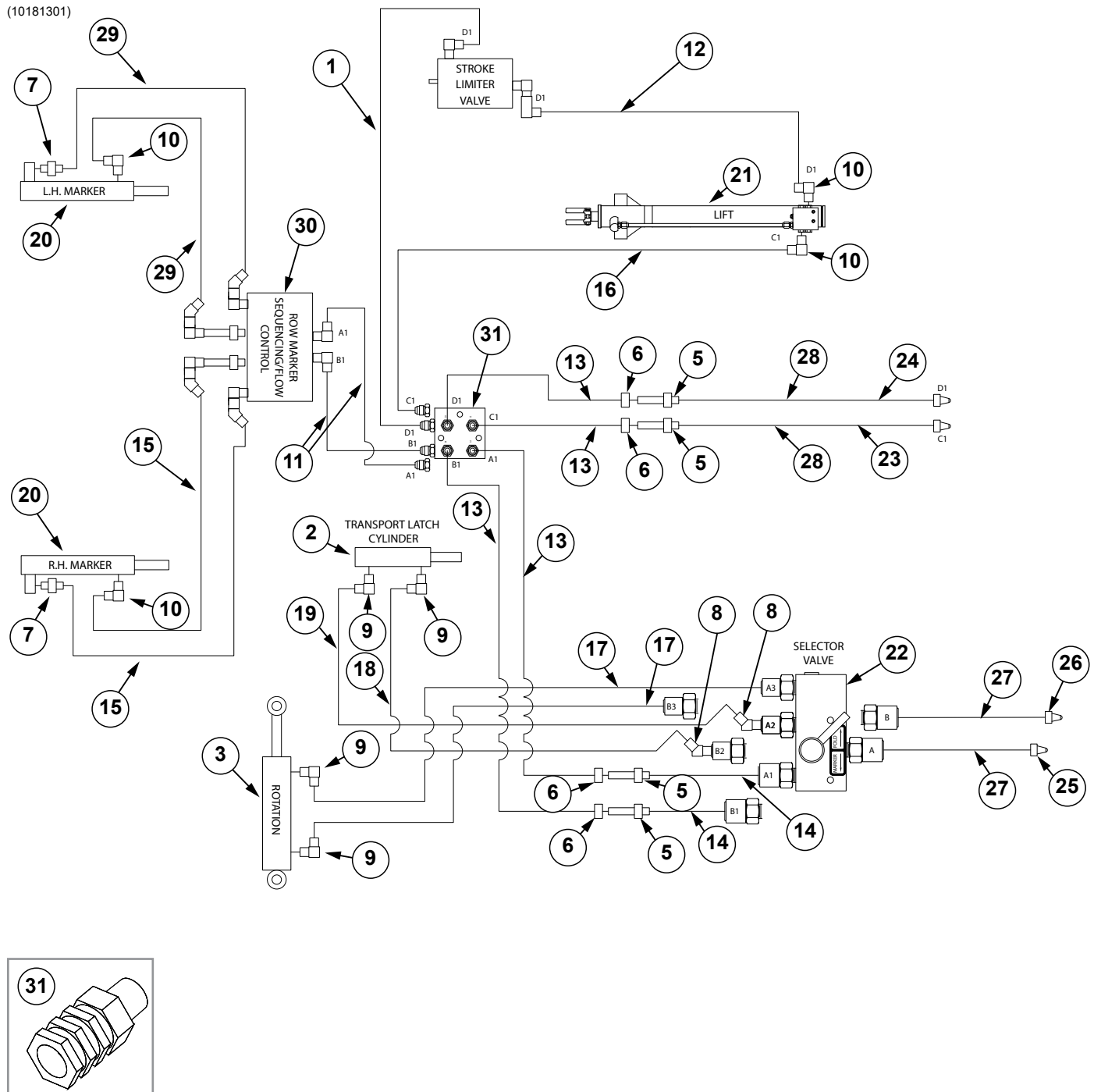
ITEM	PART NO.	QTY. (Per Marker)	DESCRIPTION
1	GA5188	1	Arm, Second Stage, 46"
2	---	1	See "Row Marker Spindle/Hub/Blade" on page P149
3	GA21158	1	See "Row Marker W/Mounts. 8 Row 30" (Bulk Fill)" on page P146
4	GA13762	1	Arm, 1st Stage
	GD11751	-	Steel Bushing, 1" Wide
5	GD34287	1	Marker Mount
6	GD0746	1	Disc Blade, Solid, 16" (Shown)
7	GD0453-03	1	Extension Tube, 50"
	GD0453-08		Extension Tube, 65" (L.H. Side Only With Even-Row Push Row Unit)
8	G10314	1	Carriage Bolt, $\frac{5}{16}$ "-18 x $\frac{3}{4}$ "
9	G10228	4	Lock Washer, $\frac{1}{2}$ "
10	G10168	4	Machine Bushing, $\frac{1}{2}$ ", 7 Gauge (.1793")
11	G10102	4	Hex Nut, $\frac{1}{2}$ "-13
12	G10038	2	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x 3"
13	G10045	1	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x $4\frac{1}{2}$ "
14	GD34763	1	Plate Bump Guard, L.H.
	GD34762	-	Plate Bump Guard, R.H.
15	G11400	1	Retaining Ring, $1\frac{1}{4}$ "
16	G10640	1	Grease Fitting, $\frac{1}{4}$ "-28
17	GD2161	1	Pin, $1\frac{1}{4}$ " x $8\frac{1}{4}$ "
18	GD21142	1	Marker Pin, $1\frac{1}{4}$ " x $1\frac{3}{16}$ "
19	G10159	4	Washer, $1\frac{7}{8}$ "
20	G10460	3	Cotter Pin, $\frac{1}{4}$ " x 2"
21	GD2721	1	U-Bolt, 2" x 2" x $\frac{1}{2}$ "-13
22	G10228	2	Lock Washer, $\frac{1}{2}$ "
23	G10102	2	Hex Nut, $\frac{1}{2}$ "-13

IP1035aa



ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	G10844	1	Carriage Bolt, 1/2"-13 x 3 1/2"
	G10168	2	Machine Bushing, 1/2", 7 Gauge
	G10228	2	Lock Washer, 1/2"
	G10102	2	Hex Nut, 1/2"-13
2	GD0746	1	Disc Blade, Solid, 16" (Shown)
	GD10283	-	Disc Blade, Notched, 16" (Optional)
3	G10045	1	Hex Head Cap Screw, 1/2"-13 x 4 1/2"
	G10168	2	Machine Bushing, 1/2", 7 Gauge
	G10228	2	Lock Washer, 1/2"
	G10102	2	Hex Nut, 1/2"-13
4	GA26876	1	Hub W/Cups, 4 Bolt (Includes Items 6 and 17)
	GB1225		Hub, 4 Bolts (Included w/GA26786)
5	G11391	1	Flat Washer, 5/8" SAE
6	GR0151	1	Outer Cup
7	GD21540	1	Grease Seal
8	G10110	2	Lock Nut, 1/4"-20, Grade B
9	GA0257	1	Bearing
10	G11418	2	Hex Socket Head Cap Screw, 1/4" x 1 1/2"
11	GB0554	2	Hub Shield
12	GD2597	1	Retainer
13	GD0840	1	Dust Cap
14	G10722	4	Hex Head Cap Screw, 1/2"-20 x 1"
	G10228	4	Lock Washer, 1/2"
15	G10544	1	Cotter Pin, 5/32" x 1"
16	G10725	1	Slotted Hex Nut, 5/8"-18
17	GR0150	1	Inner Cup
18	GA0245	1	Bearing
19	GA15151	1	Spindle
A	GA26909	-	Hub And Spindle Assembly, (Items 4-19)

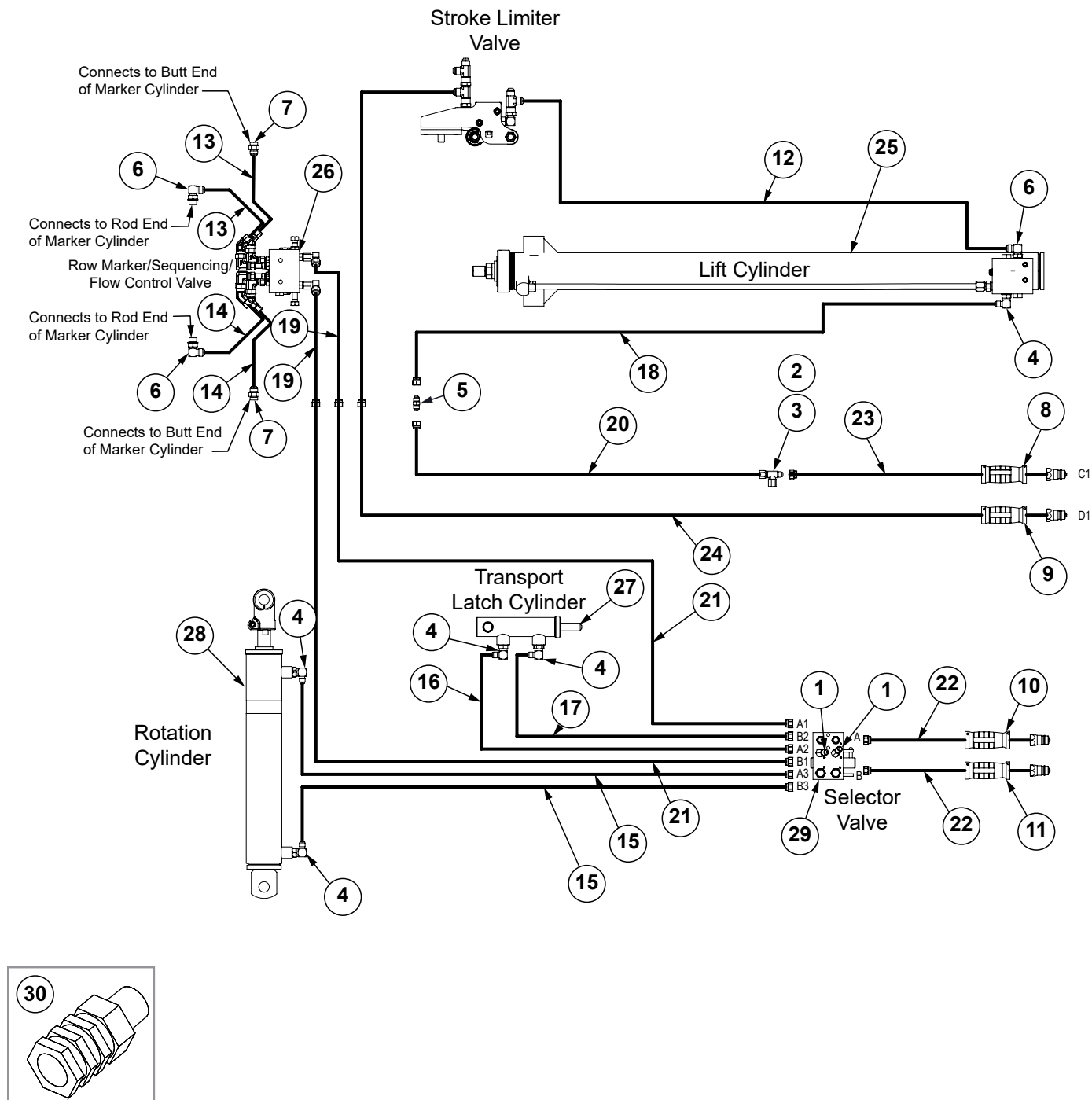
(10181301)



ITEM	PART NO.	QTY.	DESCRIPTION
1	*A1076	1	Hose Assembly, 3/8" x 30" (08F-08F)
2	GA9559	1	See "Transport Latch Cylinder, All Sizes" on page P177
3	GA8911	1	See "Rotation Cylinder" on page P177
4	G11387	2	Flat Washer, 3/8" SAE
5	G2700-08	4	Bulkhead Tube Union, 3/4"-16 Male JIC
6	G306-08	4	Lock Nut, 3/4"-16
7	6400-08 GR1037	2 -	Connector W/O-Ring, 3/4"-16 Male JIC To O-Ring O-Ring
8	G6502-06	2	Swivel Elbow, 45°, 9/16"-18 Male JIC To Female
9	G6801-06-08 GR1037	4 -	Elbow W/O-Ring, 90°, 9/16"-18 Male JIC To 3/4"-16 O-Ring O-Ring
10	G6801-08 GR1037	4 -	Elbow W/O-Ring, 90°, 3/4"-16 Male JIC To O-Ring O-Ring
11	*A1002	2	Hose Assembly, 3/8" x 20" (08F-08F)
12	*A1018	1	Hose Assembly, 3/8" x 40" (08F-08F)
13	*A1021	4	Hose Assembly, 3/8" x 56" (08F-08F)
14	*A1026	2	Hose Assembly, 3/8" x 152" (08F-08F)
15	*A1041	2	Hose Assembly, 3/8" x 130" (08F-08F)
16	*A1055	1	Hose Assembly, 3/8" x 66" (08F-08F)
17	*A1109	2	Hose Assembly, 1/4" x 145" (06F-06F)
18	*A1141	1	Hose Assembly, 1/4" x 62" (06F-06F)
19	*A1153	1	Hose Assembly, 1/4" x 56" (06F-06F)
20	GA21158	2	See "Row Marker Cylinder" on page P183
21	GA21487	1	See "Lift Cylinder, Conventional" on page P179
22	---	1	See "Selector Valve" on page P189
23	GA26924-01	1	Hose Label/Cover, Red (Extend)
24	GA26924-02	1	Hose Label/Cover, Red (Retract)
25	GA26924-03	1	Hose Label/Cover, Blue (Extend)
26	GA26924-04	1	Hose Label/Cover, Blue (Retract)
27	*A26936-114	2	Hose Assembly, 3/8" x 114" (08F-1/2M NPTF W/Ext., W/Tip)
28	*A26936-272	2	Hose Assembly, 3/8" x 272" (08F-1/2M NPTF W/Ext., W/Tip)
29	*A3115	2	Hose Assembly, 3/8" x 146"
30	---	1	See "Row Marker Sequencing/Flow Control Valve" on page P190
31	GD36866	-	Fitting, 1/2"

* Hydraulic hose is not stocked by Kinze Repair Parts.

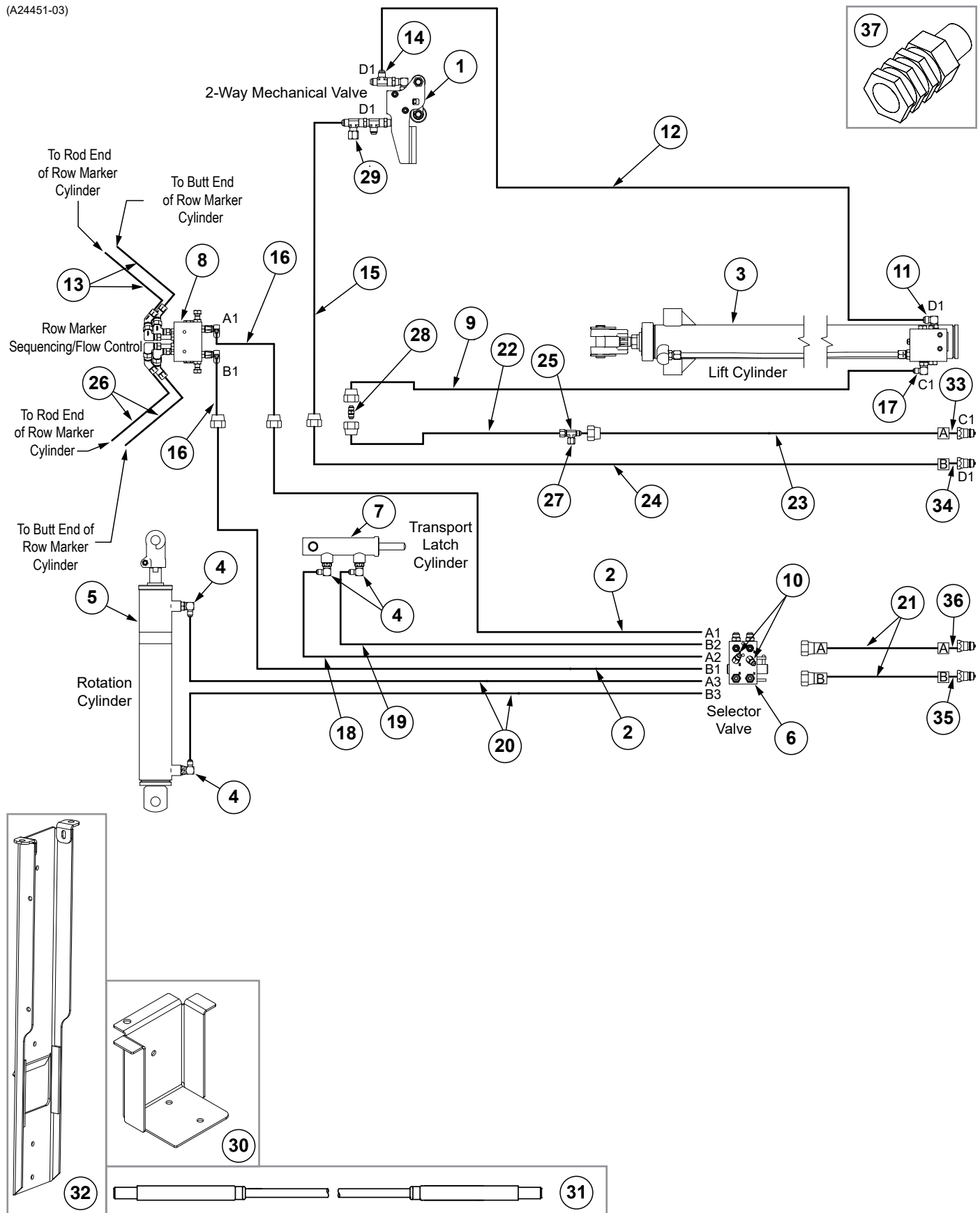
(10383001)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G6502-06	2	Swivel Elbow, 45°, 1/16"-18 Male JIC To Female
2	G304-C-6	1	Cap Nut, 1/16"-18
3	G6602-06	1	Swivel Tee, 1/16"-18 JIC
4	G6801-06-08	5	Elbow W/O-Ring, 90°, 1/16"-18 Male JIC To 3/4"-16 O-Ring
5	G2403-06	1	Union, 1/16"-18 Male JIC
6	G6801-08	3	Elbow W/O-Ring, 90°, 3/4"-16 Male JIC To O-Ring
7	6400-08 GR1037	2 -	Connector W/O-Ring, 3/4"-16 Male JIC To O-Ring O-Ring
8	GA26924-01	1	Hose Label/Cover, Red (Extend)
9	GA26924-02	1	Hose Label/Cover, Red (Retract)
10	GA26924-03	1	Hose Label/Cover, Blue (Extend)
11	GA26924-04	1	Hose Label/Cover, Blue (Retract)
12	*A1018	1	Hose Assembly, 3/8" x 40" (08F-08F)
13	*A1078	2	Hose Assembly, 3/8" x 174" (08F-08F)
14	*A1090	2	Hose Assembly, 3/8" x 162" (08F-08F)
15	*A1109	2	Hose Assembly, 1/4" x 145" (06F-06F)
16	*A1194	1	Hose Assembly, 1/4" x 30" (06F-06F)
17	*A1195	1	Hose Assembly, 1/4" x 34" (06F-06F)
18	*A15064	1	Hose Assembly, 3/8" x 130" (06F-06F)
19	GA15081-98	2	Hose Assembly, 3/8" x 98" (06F-06F)
20	*A15082-140	1	Hose Assembly, 3/8" x 140" (06F-06M)
21	*A15083-137	2	Hose Assembly, 3/8" x 137" (08F-06M)
22	*A26936-114	2	Hose Assembly, 3/8" x 114" (08F-1/2M NPTF W/Ext., W/Tip)
23	*A26939-120	1	Hose Assembly, 3/8" x 120" (06F-1/2M NPTF W/Ext., W/Tip)
24	*A26940-260	1	Hose Assembly, 3/8" x 260" (06M-1/2M JIC NPTF W/Ext., W/Tip)
25	---	---	See "Lift Cylinder, Conventional" on page P179
26	---	---	See "Row Marker Sequencing/Flow Control Valve" on page P190
27	---	---	See "Transport Latch Cylinder, All Sizes" on page P177
28	---	---	See "Rotation Cylinder" on page P177
29	---	---	See "Selector Valve" on page P189
30	GD36866	-	Fitting, 1/2"

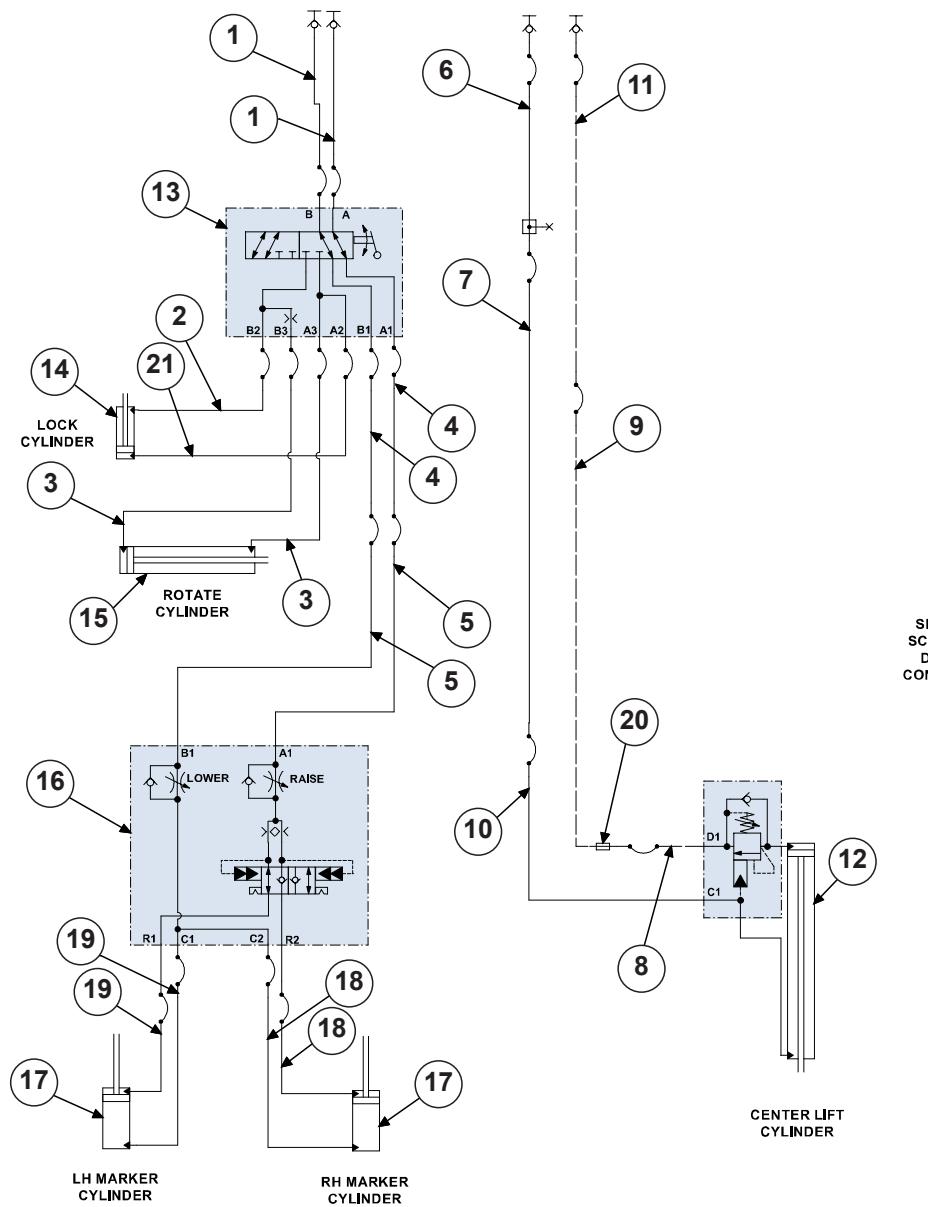
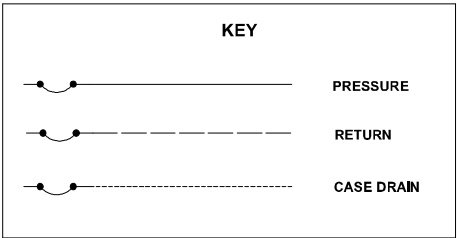
* Hydraulic hose is not stocked by Kinze Repair Parts.

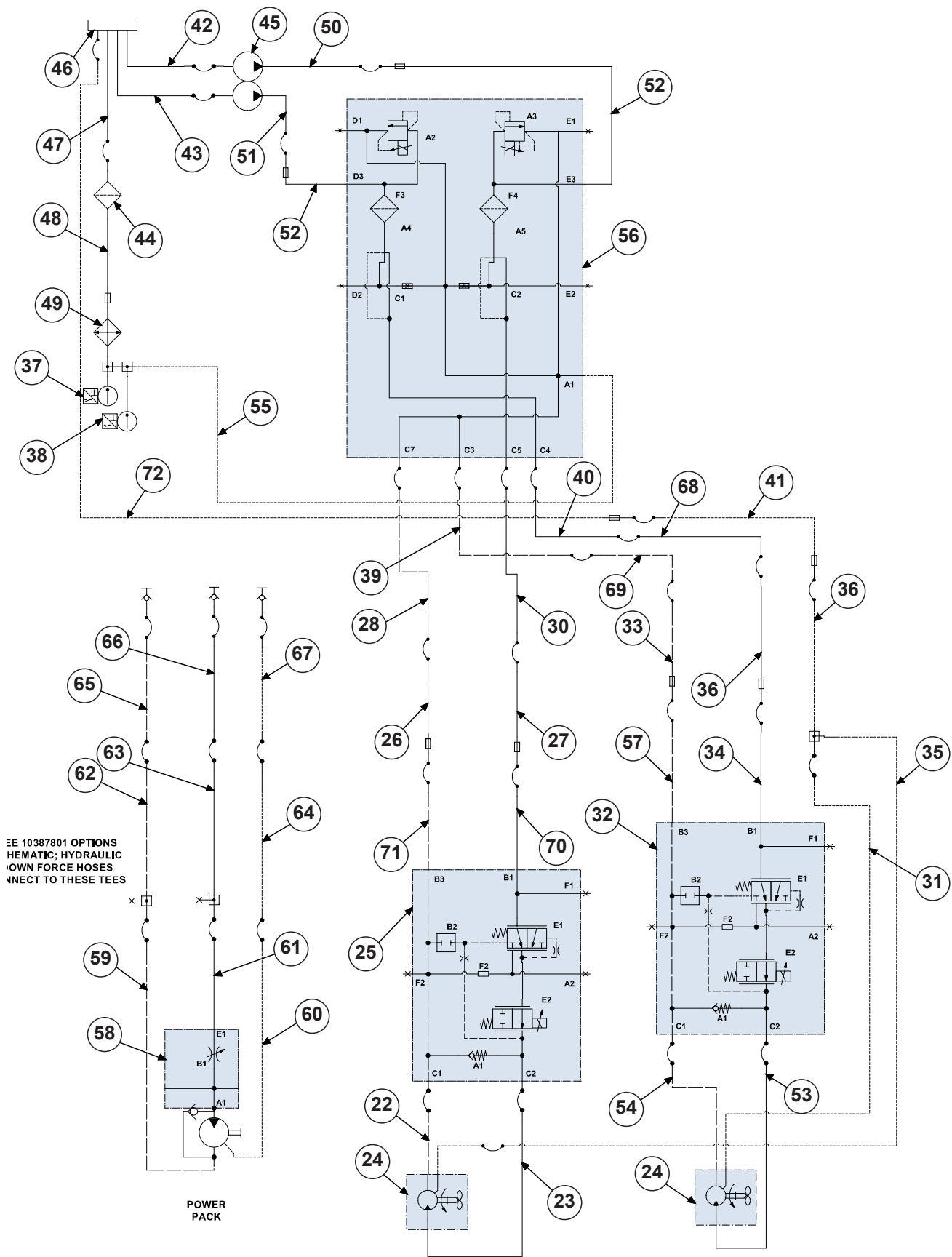
(A24451-03)



ITEM	PART NO.	QTY.	DESCRIPTION
1	A24497	1	See "Stroke Limiter Valve, Bulk Fill" on page P185
2	*A15083-137	2	Hose Assembly, 3/8" x 137" (08F-06M)
3	A24694	1	See "Lift Cylinder, Bulk Fill" on page P181
4	G6801-06-08 GR1037	5	Elbow W/O-Ring, 90°, 1/16"-18 Male JIC To 3/4"-16 O-Ring O-Ring
5	A8911	1	See "Rotation Cylinder" on page P177
6	A24891	1	See "Selector Valve" on page P189
7	A9559	1	See "Transport Latch Cylinder, All Sizes" on page P177
8	A24921	1	See "Row Marker Sequencing/Flow Control Valve" on page P190
9	*A15064	1	Hose Assembly, 3/8" x 130" (06F-06F)
10	G6502-06	2	Swivel Elbow, 45°, 1/16"-18 Male JIC To Female
11	G6801-08	1	Elbow W/O-Ring, 90°, 3/4"-16 x 3/4"-16
12	*A1018	1	Hose Assembly, 3/8" x 40"
13	*A1078	2	Hose Assembly, 3/8" x 174"
14	G6602-08	3	Swivel Tee, 3/4"-16 JIC
15	*A15092-98	1	Hose Assembly, 3/8" x 98" (06F - 08F)
16	*A15081-95	2	Hose Assembly, 3/8" x 95" (06F-06F)
17	---	-	---
18	*A1194	1	Hose Assembly, 1/4" x 30" (06F-06F)
19	*A1195	1	Hose Assembly, 1/4" x 34" (06F-06F)
20	*A1109	2	Hose Assembly, 1/4" x 145" (06F-06F)
21	*A26936-114	2	Hose Assembly, 3/8" x 114" (08F-1/2M NPTF W/Ext., W/Tip)
22	*A15082-140	1	Hose Assembly, 3/8" x 140" (06F-06M)
23	*A26939-120	1	Hose Assembly, 3/8" x 120" (06F-1/2M NPTF W/Ext., W/Tip)
24	*A15077-260	1	Hose Assembly, 3/8" x 260" (1/2 Male NPTF W/Tip -06M)
25	G6602-06	1	Swivel Tee, 1/16"-18 JIC
26	*A1090	2	Hose Assembly, 3/8" x 162" (08F-08F)
27	G304-C-6	1	Cap Nut, 1/16"-18
28	G2403-06	1	Union, 1/16"-18 Male JIC
29	G304-C-8	1	Cap Nut, 3/4"-16
30	GD34104	1	Hydraulic Hose Bracket
	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G11847	1	Hex Head Cap Screw, 3/8"-16 x 2 3/4"
	G10108	3	Lock Nut, 3/8"-16
31	GA6608		Cable Assembly
32	GA24422	1	Hydraulic Hose Tray
	GD34015	3	Hose Plate Clamp
	G10062	3	Hex Head Cap Screw, 3/8"-16 x 3"
	G10108	2	Lock Nut, 3/8"-16
33	GA26924-01	1	Hose Label/Cover, Red (Extend)
34	GA26924-02	1	Hose Label/Cover, Red (Retract)
35	GA26924-03	1	Hose Label/Cover, Blue (Extend)
36	GA26924-04	1	Hose Label/Cover, Blue (Retract)
37	GD36866	-	Fitting, 1/2"

* Hydraulic hose is not stocked by Kinze Repair Parts.

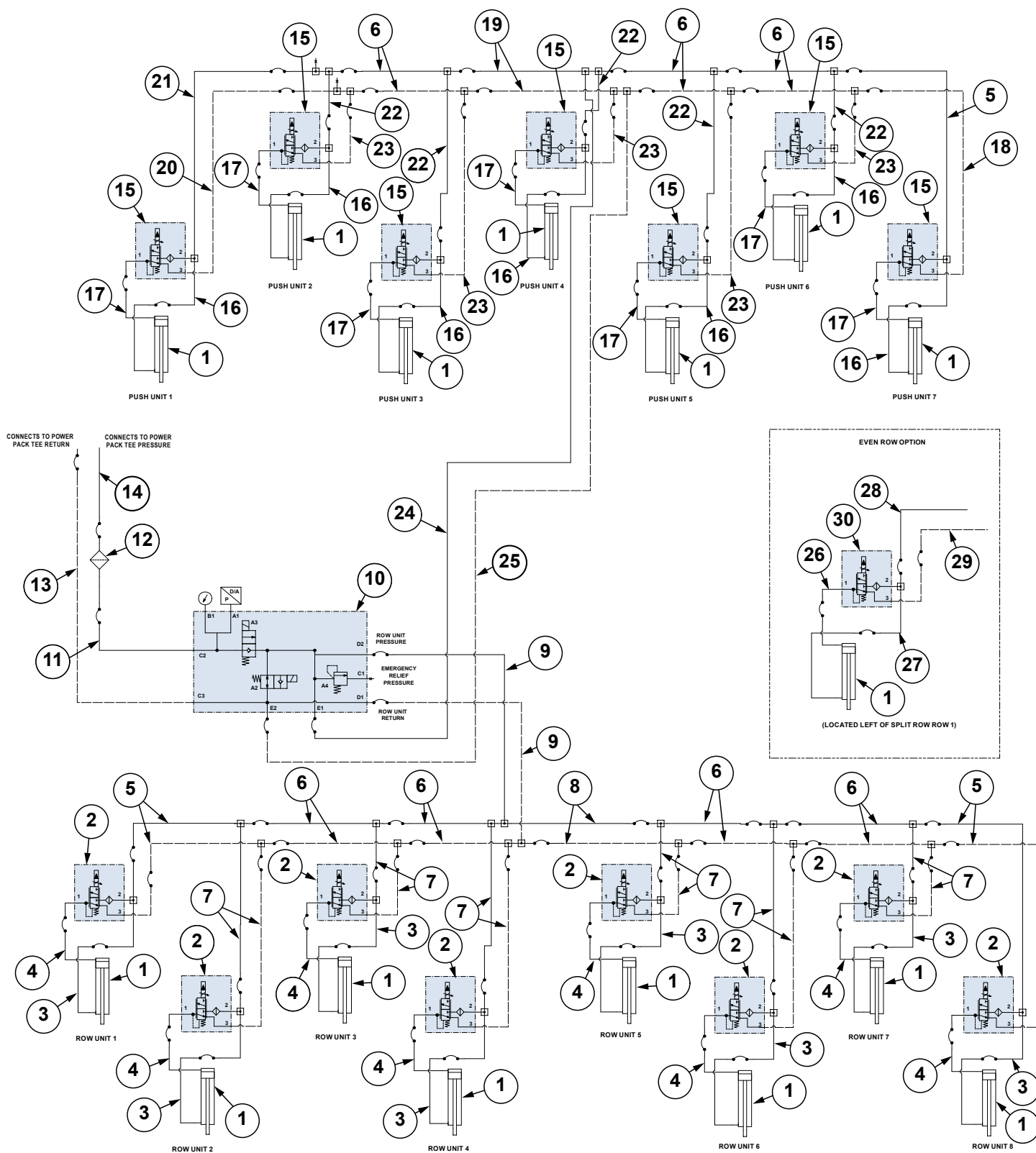




ITEM	PART NO.	QTY.	DESCRIPTION
1	*A26936-114	2	Hose Assembly, 3/8" x 114" (08F-1/2M NPTF W/Ext., W/Tip)
2	*A1195	1	Hose Assembly, 1/4" x 34" (06F-06F)
3	*A1109	2	Hose Assembly, 1/4" x 145" (06F-06F)
4	*A15081-98	2	Hose Assembly, 3/8" x 98" (06F-06F)
5	*A15083-137	2	Hose Assembly, 3/8" x 137" (08F-06M)
6	*A26939-120	1	Hose Assembly, 3/8" x 120" (06F-1/2M NPTF W/Ext., W/Tip)
7	*A15082-140	1	Hose Assembly, 3/8" x 140" (06F-06M JIC)
8	*A1018	1	Hose Assembly, 3/8" x 40" (08F-08F)
9	*A15092-106	1	Hose Assembly, 3/8" x 106" (06F-08F)
10	*A15064	1	Hose Assembly, 3/8" x 130" (06F-06F)
11	*A26940-260	1	Hose Assembly, 3/8" x 260" (06M-1/2M JIC NPTF W/Ext., W/Tip)
12	GA24694	1	See "Lift Cylinder, Bulk Fill" on page P181
13	GA24891	1	Selector Valve
14	GA9559	1	See "Transport Latch Cylinder, All Sizes" on page P177
15	GA8911	1	See "Rotation Cylinder" on page P177
16	---	1	See "Row Marker Sequencing/Flow Control Valve" on page P190
17	GA21158	2	See "Row Marker Cylinder" on page P183
18	*A1090	2	Hose Assembly, 3/8" x 162" (08F-08F)
19	*A1078	2	Hose Assembly, 3/8" x 174" (08F-08F)
20	G2403-08	1	Union, 3/4"-16 Male JIC
21	*A1194	1	Hose Assembly, 1/4" x 30" (06F-06F)
22	*A18667-26	1	Hose Assembly, 1/2" x 26" (08F-08F)
23	*A15081-21	1	Hose Assembly, 3/8" x 21" (06F-06)
24	G10164001	1	Hydraulic Motor
	GR2381	-	Seal Kit
25	G10382201	1	See "Blue Drive Bulk Fill Fan Block" on page P197
26	*A18687-170	1	Hose Assembly, 1/2" x 170" (10F-12F)
27	*A25701-170	1	Hose Assembly, 1/2" x 170" (08F-10F)
28	*A18679-73	1	Hose Assembly, 1/2" x 73" (10F - 10M JIC)
30	*A25710-73	1	Hose Assembly, 1/2" x 73" (08M JIC - 10F)
31	*A15000	1	Hose Assembly, 3/8" x 164" (06F-06F)
32	---	1	See "Vacuum Valve Block, Blue Drive" on page P196
33	*A21525-77	1	Hose Assembly, 5/8" x 77" (10F-10M)
34	*A15082-172	1	Hose Assembly, 3/8" x 172" (06F-06M JIC)
35	GA12080	1	Hose Assembly, 3/8" x 64" (06F-06F)
36	GA15082-77	2	Hose Assembly, 3/8" x 77" (06F-06M)
37	G10087001	1	Temperature Sensor, 100°
38	G10098201	1	Temperature Sensor
39	*A25487-70	1	Hose Assembly, 5/8" x 70" (10F-12F)
40	*A26949-74	1	Hose Assembly, 3/8" x 74" (06F-10F)
41	*A12016	1	Hose Assembly, 3/8" x 86" (06M-06F)
42	GA11810-72	1	Hose Assembly, 1 1/4" x 72" (20F - 20F)
43	GA11810-68	1	Hose Assembly, 1 1/4" x 68" (20F - 20F)
44	GD16037	1	Oil Filter, 10 Micron
45	G10288701	1	Gear Pump
	GR2383	-	Seal Kit
46	---	1	See "PTO Pump Drive and Oil Cooler - Dual Stage, 8 Row" on page P169
47	GA12937-24	1	Hose Assembly, 3/4" x 24" (12F-12F90S)
48	G10399801	1	Hydraulic Steel Line, 3/4"
49	G10339301	1	Oil Cooler and Fan Assembly
50	GA25707-72	1	Hose Assembly, 1/2" AR x 72" (10F45-12F)

ITEM	PART NO.	QTY.	DESCRIPTION
51	GA25707-68	1	Hose Assembly, 1/2" AR x 68" (10F45-12F)
52	G10333501	2	Hydraulic Steel Line, 5 5/8"
53	GA15081-30	1	Hose Assembly, 3/8" x 30" (06F-06F)
54	GA18667-24	1	Hose Assembly, 1/2" x 24" (08F-08F)
55	G10399901	1	Hydraulic Steel Line, 3/4"
56	---	1	See "PTO Pump Hydraulic Valve Block (Bulk Fill/Blue Drive)" on page P194
57	*A18668-172	1	Hose Assembly, 1/2" x 172" (08F-10M)
58	---	1	See "PTO Pump Block Assembly" on page P198
59	GA11481-116	1	Hose Assembly, 5/8" AR x 116" (10F-10F)
60	GA7695-116	1	Hose Assembly, 1/4" AR x 116" (04M-06F)
61	GA18630-116	1	Hose Assembly, 1/2" AR x 116" (08F - 08F)
62	GA21536-166	1	Hose Assembly, 5/8" AR x 166" (10F - 10M JIC)
63	GA25704-166	1	Hose Assembly, 1/2" AR x 166" (08F - 08M JIC)
64	GA7694-166	1	Hose Assembly, 1/4" AR x 190" (04F - 04M)
65	*A21546-180	1	Hose Assembly, 5/8" AR x 180" (10F-1/2M NPTF W/Ext, W/Tip SP)
66	*A18692-180	1	Hose Assembly, 1/2" AR x 180" (8F - 1/2 M NPTF W/EXT W/TIP)
67	GA7696-180	1	Hose Assembly, 1/4" AR x 180" (04F - 1/2M NPTF W/EXT W/TIP SP)
68	*A12016	1	Hose Assembly, 3/8" x 86" (06M-06F)
69	*A11407	1	Hose Assembly, 5/8" x 84 (10F - 12M)
70	*A18679-40	1	Hose Assembly, 1/2" x 40" (10F-10M)
71	*A21535-40	1	Hose Assembly, 5/8" x 40" (12F-12M)
72	*A15092-74	1	Hose Assembly, 3/8" x 74" (06F - 08F)

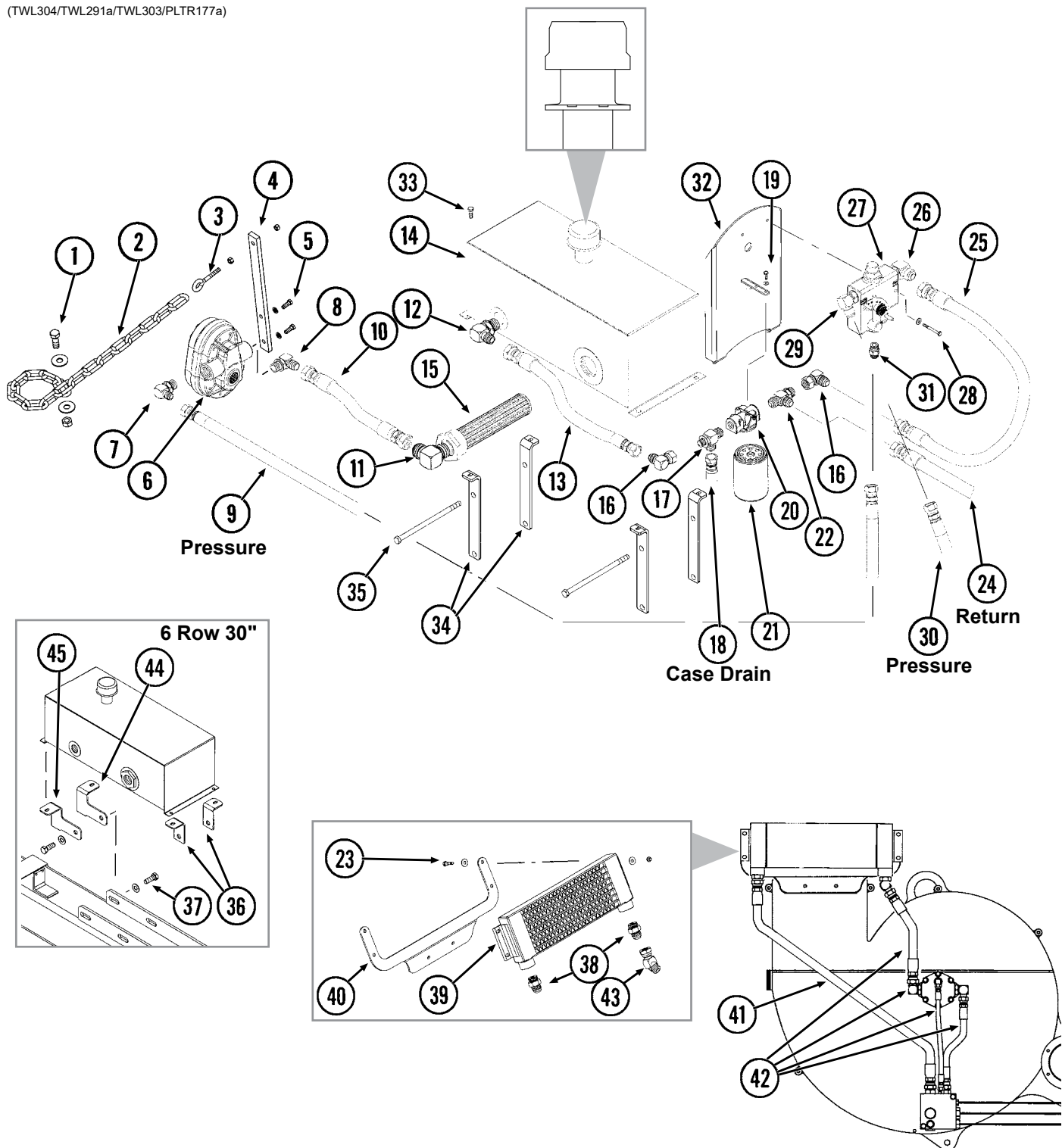
* Hydraulic hose is not stocked by Kinze Repair Parts.



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25261	16	See "Hydraulic Down Force Cylinder" on page P187
2	---	8	See "Row Unit Control Block, Pull Row Units" on page P192
3	*A7677-20	8	Hose Assembly, 1/4" x 20" (04F - 04F STD 90)
4	*A7678-13	8	Hose Assembly, 1/4" x 13" (04F-04F)
5	*A7680-35	5	Hose Assembly, 1/4" X 35" (04F 90S-06F)
6	*A12038	14	Hose Assembly, 3/8" x 30" (06F-06F)
7	*A7680-10	12	Hose Assembly, 1/4" x 10" (04F - 06F)
8	*A15081-32	2	Hose Assembly, 3/8" x 32" (06F - 06F)
9	*A25504-19	2	Hose Assembly, 3/8" x 19" (06F - 08F90S)
10	---	1	See "Down Force Manifold Block" on page P188
11	*A18671-30	1	Hose Assembly, 1/2" x 30" (08F-08F90S)
12	A25857	1	In-Line Filter Assembly
13	*A21542-64	1	Hose Assembly, 5/8" x 64" (10F - 10F90M)
14	*A18667-72	1	Hose Assembly, 1/2" x 72" (08F - 08F)
15	---	7	See "Row Unit Control Block, Push Row Units" on page P193
16	*A7678-19	7	Hose Assembly, 1/4" x 19" (04F-04F)
17	*A7678-20	7	Hose Assembly, 1/4" x 20" (04F-04F)
18	*A7682-35	1	Hose Assembly, 1/4" x 35" (04L90F-06F)
19	*A15081-27	2	Hose Assembly, 3/8" x 27" (06F - 06F)
20	*A7682-25	1	Hose Assembly, 1/4" x 25" (04F90L - 06F)
21	*A7680-15	1	Hose Assembly, 1/4" x 15" (04F - 06F)
22	*A7680-11	5	Hose Assembly, 1/4" x 11" (04F-06F)
23	*A7680-14	5	Hose Assembly, 1/4" x 14" (04F-06F)
24	*A25690-67	1	Hose Assembly, 3/8" x 67" (06F - 08F90M)
25	*A25690-58	1	Hose Assembly, 3/8" x 58" (06F - 08F90M)
26	*A7678-20	1	Hose Assembly, 1/4" x 20" (04F-04F)
27	*A7678-19	1	Hose Assembly, 1/4" x 19" (04F-04F)
28	*A7681-58	1	Hose Assembly, 1/4" x 58" (04F90S-06F)
29	*A7682-58	1	Hose Assembly, 1/4" x 58" (04F90L-06F)
30	---	1	See "Row Unit Control Block, Push Row Units" on page P193

* Hydraulic hose is not stocked by Kinze Repair Parts.

(TWL304/TWL291a/TWL303/PLTR177a)



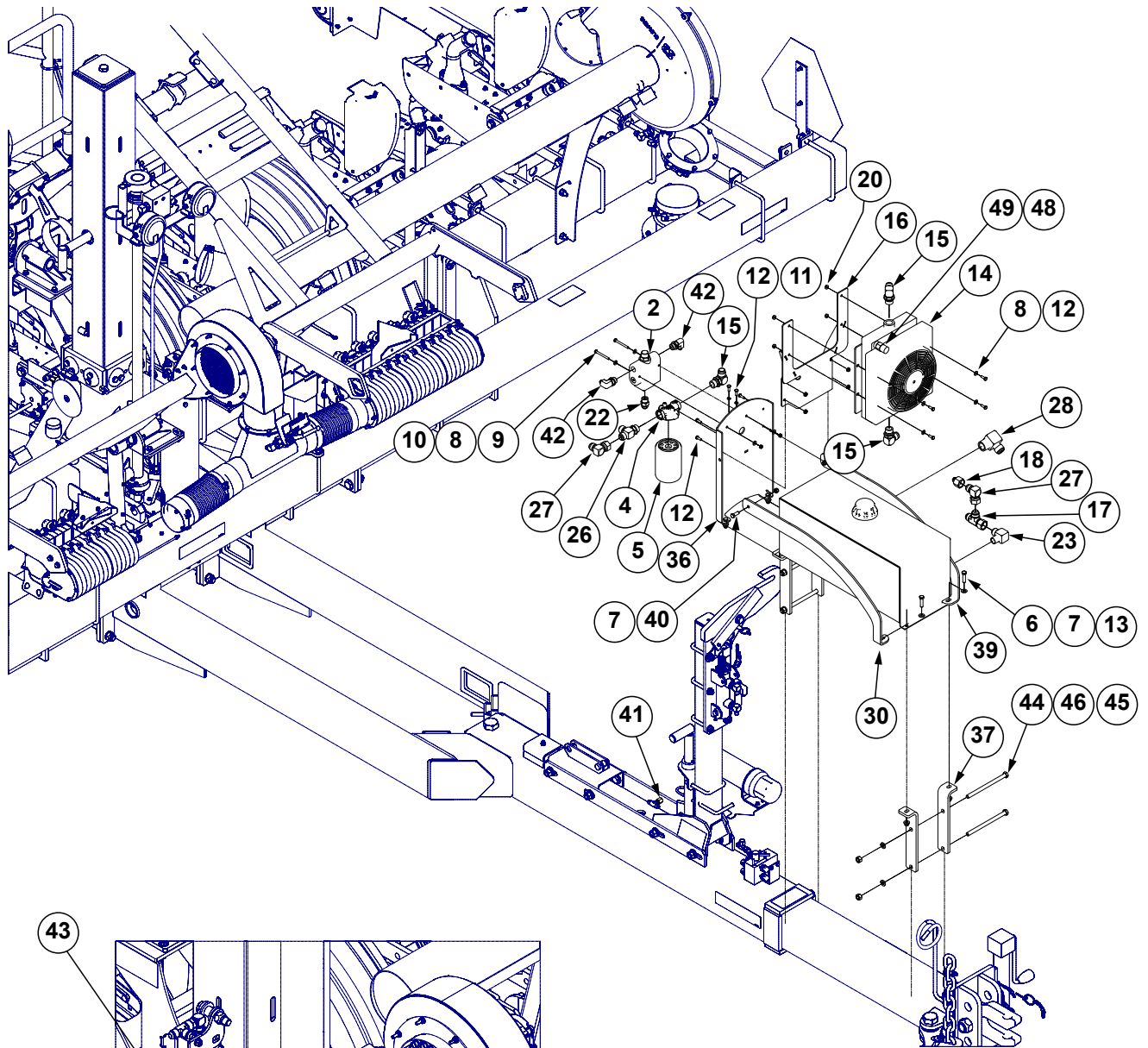
Continued on following pages.

ITEM	PART NO.	QTY.	DESCRIPTION
1	G10005	1	Hex Head Cap Screw, 5/8"-11 x 1 3/4"
	G10217	2	Washer, 5/8" USS
	G10107	1	Lock Nut, 5/8"-11
2	G3302-09	1	Coil Chain, No. 9/0, 17 Links
3	GD16035	1	Eyebolt, 3/8"-16 x 4"
	G10101	2	Hex Nut, 3/8"-16
4	GD16036	1	Anti-Rotation Bracket
5	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
	G10229	2	Lock Washer, 3/8"
6	G10225X GR2025	1	PTO Pump Replacement Package (Includes Pump and Instruction Sheet) Seal Kit
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	1	Elbow W/O-Ring, 90°, 1 5/16"-12 Female JIC To O-Ring (Used with GA14446 PTO Pump)
9	*A1462	1	Hose Assembly, 1/2" x 78", 6 Row 30"
10	*A6201	1	Hose Assembly, 1" x 72", 6 Row 30"
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 GA27102	1 -	Reservoir W/Breather, 10 Gallon Raised Filler Breather (Included W/GA27105)
15	GD16040	1	Strainer
16	G6500-12	2	Swivel Elbow, 90°, 1 1/16"-12 Male JIC To Female
17	G6804-12-12-8 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	*A3278	1	Hose Assembly, 3/8" x 70", 6 Row 30"
19	G10023	2	Hex Head Cap Screw, 1/4"-20 x 3/4"
	G10227	2	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	G10171	4	Hex Head Cap Screw, 5/16"-18 x 1 1/4"
	G11386	8	Flat Washer, 5/16" SAE
	G10109	4	Lock Nut, 5/16"-18, Grade 8
24	*A3372	1	Hose Assembly, 3/4" x 68", 6 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	2	Hex Head Cap Screw, 1/4"-20 x 2 1/2"
	G11385	4	Flat Washer, 1/4" SAE
	G10110	2	Lock Nut, 1/4"-20, Grade B
29	G6801-10 GR1466	1 -	Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To O-Ring O-Ring
30	*A8280	1	Hose Assembly, 1/2" x 54", 6 Row 30"
31	G6400-10 GR1466	1 -	Connector W/O-Ring, 7/8"-14 Male JIC To O-Ring O-Ring

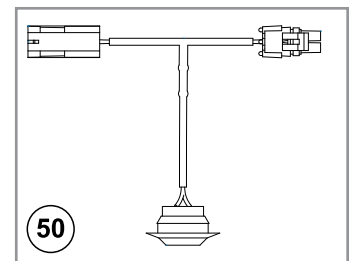
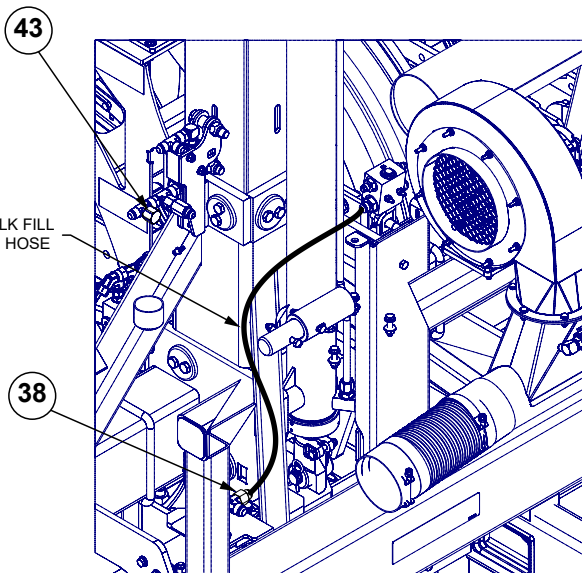
ITEM	PART NO.	QTY.	DESCRIPTION
32	GA25512	1	Mounting Bracket
33	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
	G11387	4	Flat Washer, 3/8" SAE
	G10108	4	Lock Nut, 3/8"-16
34	GD16034	4	Bracket, 10 1/4", 8 Row 30"
35	G11109	4	Hex Head Cap Screw, 1/2"-13 x 7 1/2"
	G10228	4	Lock Washer, 1/2"
	G10102	4	Hex Nut, 1/2"-13
36	GD16640	2	Bracket, 6 Row 30"
37	G10005	4	Hex Head Cap Screw, 5/8"-11 x 1 3/4"
	G11391	4	Flat Washer, 5/8" SAE
	G10230	4	Lock Washer, 5/8"
	G10104	4	Hex Nut, 5/8"-11
38	G6400-12	2	Connector W/O-Ring, 1 1/16"-12 Male JIC To O-Ring
	GR1467	-	O-Ring
39	GA10917	1	Oil Cooler
40	GD16608	1	Bracket
41	*A3369	1	Hose Assembly, 3/4" x 40"
42	---	-	See "Vacuum Fan Hydraulic Components, 6 Row" on page P79
43	G6502-12	1	Swivel Elbow, 45°, 1 1/16"-12 Male JIC To Female
44	GD16612	1	Mount, R.H.
45	GD16613	1	Mount, L.H.

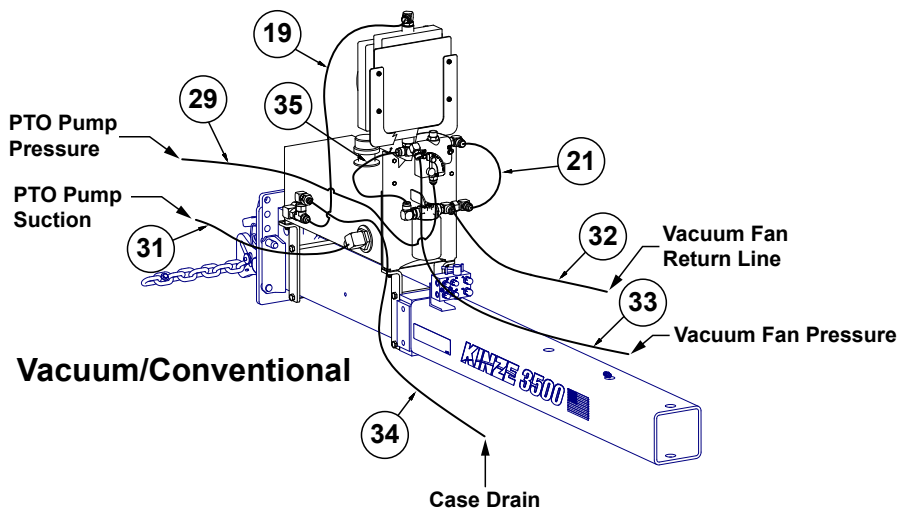
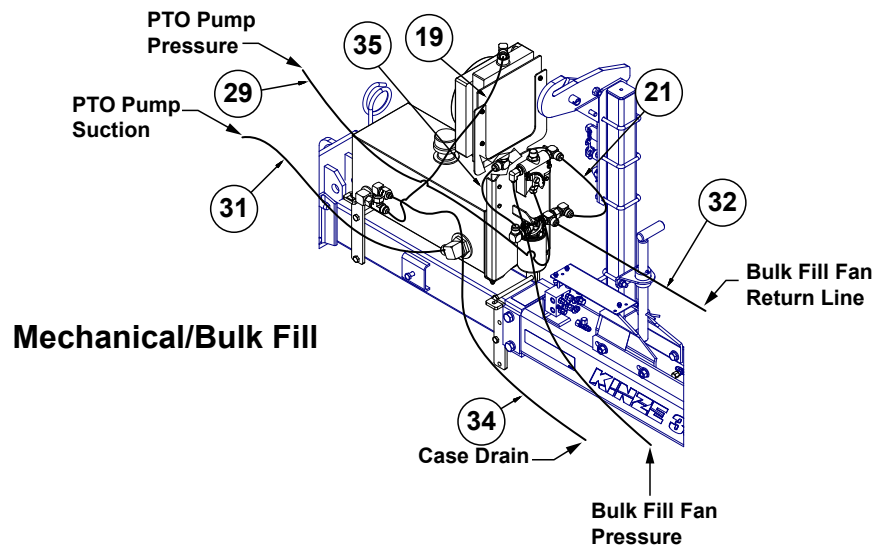
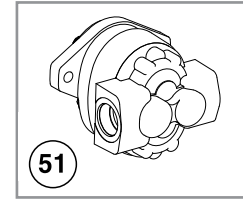
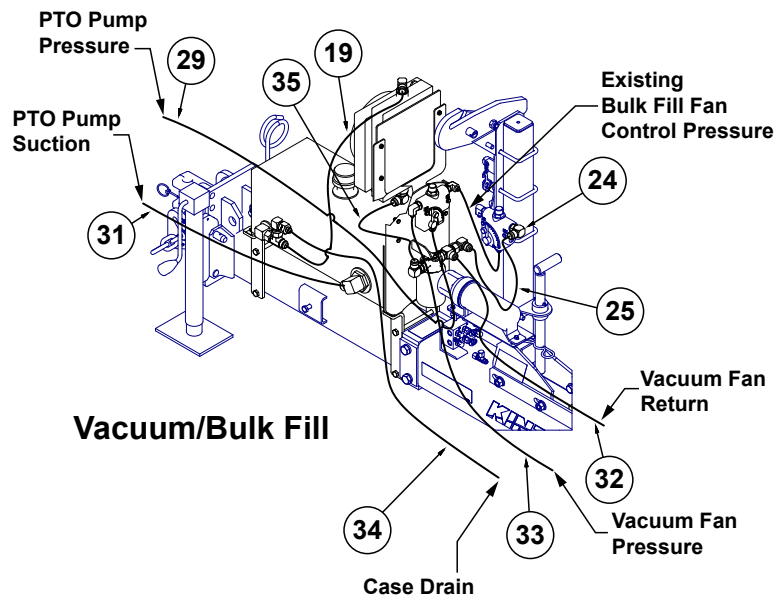
*Hydraulic hose is not stocked by Kinze Repair Parts.

(A24509)



EXISTING BULK FILL
RETURN HOSE

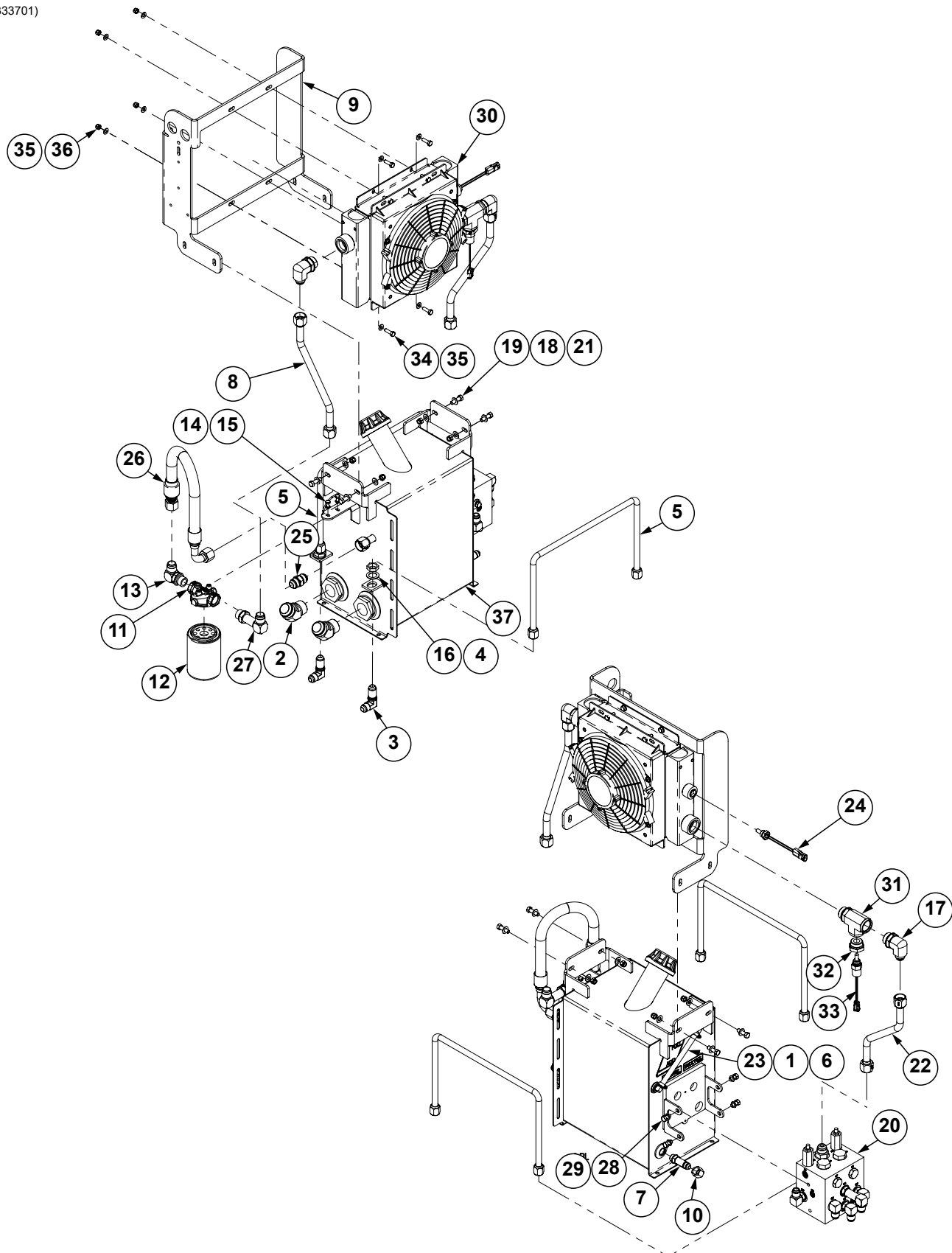




ITEM	PART NO.	QTY.	DESCRIPTION
1	GA27105	1	Reservoir W/Breather, 10 Gallon
	GA27102	-	Raised Filler Breather (Included W/GA27105)
	GD16040	-	Strainer
2	GA10918	1	Flow Control Valve
4	GD16038	1	Filter Head
5	GD16037	1	Oil Filter, 10 Micron
6	G10003	2	Hex Head Cap Screw, 3/8"-16 x 1 1/2"
7	G10108	6	Lock Nut, 3/8"-16
8	G11385	8	Flat Washer, 1/4" SAE
9	G10403	2	Hex Head Cap Screw, 1/4"-20 x 2 1/2"
10	G10110	2	Lock Nut, 1/4"-20, Grade B
11	G10227	2	Lock Washer, 1/4"
12	G10023	10	Hex Head Cap Screw, 1/4"-20 x 3/4"
13	G11387	6	Flat Washer, 3/8" SAE
14	GA17113	1	Fan and Cooler
15	G6801-12	3	Elbow W/O-Ring, 90°, 1 1/16"-12 Male JIC To O-Ring
	GR1467	-	O-Ring
16	G10047801	1	Fan Mount
17	G6602-12	1	Swivel Tee, 1 1/16"-12
18	G2406-12-08	1	Reducer Tee, 1 1/16"-12 JIC x 3/4"-16
19	*A11447	1	Hose Assembly, 5/8" x 45" (12F-12F)
20	G10621	8	Serrated Flange Nut, 1/4"-20
21	*A21533-36	1	Hose Assembly, 3/4" x 36" (12F-12F)
22	G6400-10	1	Connector W/O-Ring, 7/8"-14 Male JIC To O-Ring
	GR1466	-	O-Ring
23	2501-12-16	1	Elbow, 90°, 1 1/16"-12 Male JIC To 1" NPT
24	G6801-12-10	1	Elbow W/O-Ring, 90°. 1 1/16"-12 Male JIC To 7/8"-14 O-Ring
	GR1466	-	O-Ring
25	*A3371	1	Hose Assembly, 3/4" x 25" (12M-12F)
26	G6804-12	1	Adjustable Tee W/O-Ring, 1 1/16"-12 Male JIC To O-Ring
	GR1467	-	O-Ring
27	G6500-12	2	Swivel Elbow, 90°, 1 1/16"-12 Male JIC To Female
28	2501-16-20	1	Elbow, 90°, 1 5/16"-12 Male JIC To 1 1/4" NPT
29	*A1465	1	Hose Assembly, 1/2" x 84" (10F-10F)
30	G10048301	1	R.H. Bracket
31	*A6206	1	Hose Assembly, 1" x 56", 8 Row 30"
32	*A3370	1	Hose Assembly, 3/8" x 80" (12F-12F)
33	*A8279	1	Hose Assembly, 1/2" x 80" (10F-10F)
34	*A15092-95	1	Hose Assembly, 3/8" x 95" (06F-08F)
35	*A3371	1	Hose Assembly, 3/4" x 25" (12F-12F)
36	G10048201	1	Mounting Bracket
37	GD16034	4	Bracket, 10 1/4"
38	G2406-10-08	1	Reducer, 7/8"-14 Female JIC To 3/4"-16 Male JIC
39	G10048401	1	L.H. Bracket
40	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
41	G304-C-6	1	Cap Nut, 9/16"-18
42	G6801-06-10	2	Elbow, 9/16"-18 x 7/8"-14 W/O-Ring
43	G304-C-8	1	Cap Nut, 3/4"-16
44	G11109	4	Hex Head Cap Screw, 1/2"-13 x 7 1/2"
45	G10102	4	Hex Nut, 1/2"-13
46	G10228	4	Lock Washer, 1/2"
47	*A3393	1	Hose Assembly, 3/4" x 30" (12M-12F)
48	GA20283	1	PTO Reservoir Fan Wire Harness
49	G10087001	1	Temperature Sensor, 100°
50	GA25284	1	PTO Cooling Fan Indicator Harness
51	GA14446	-	PTO Pump (1 3/8" or 1 3/4" Spline)
	GR2025	-	Seal Kit

*Hydraulic hose is not stocked by Kinze Repair Parts.

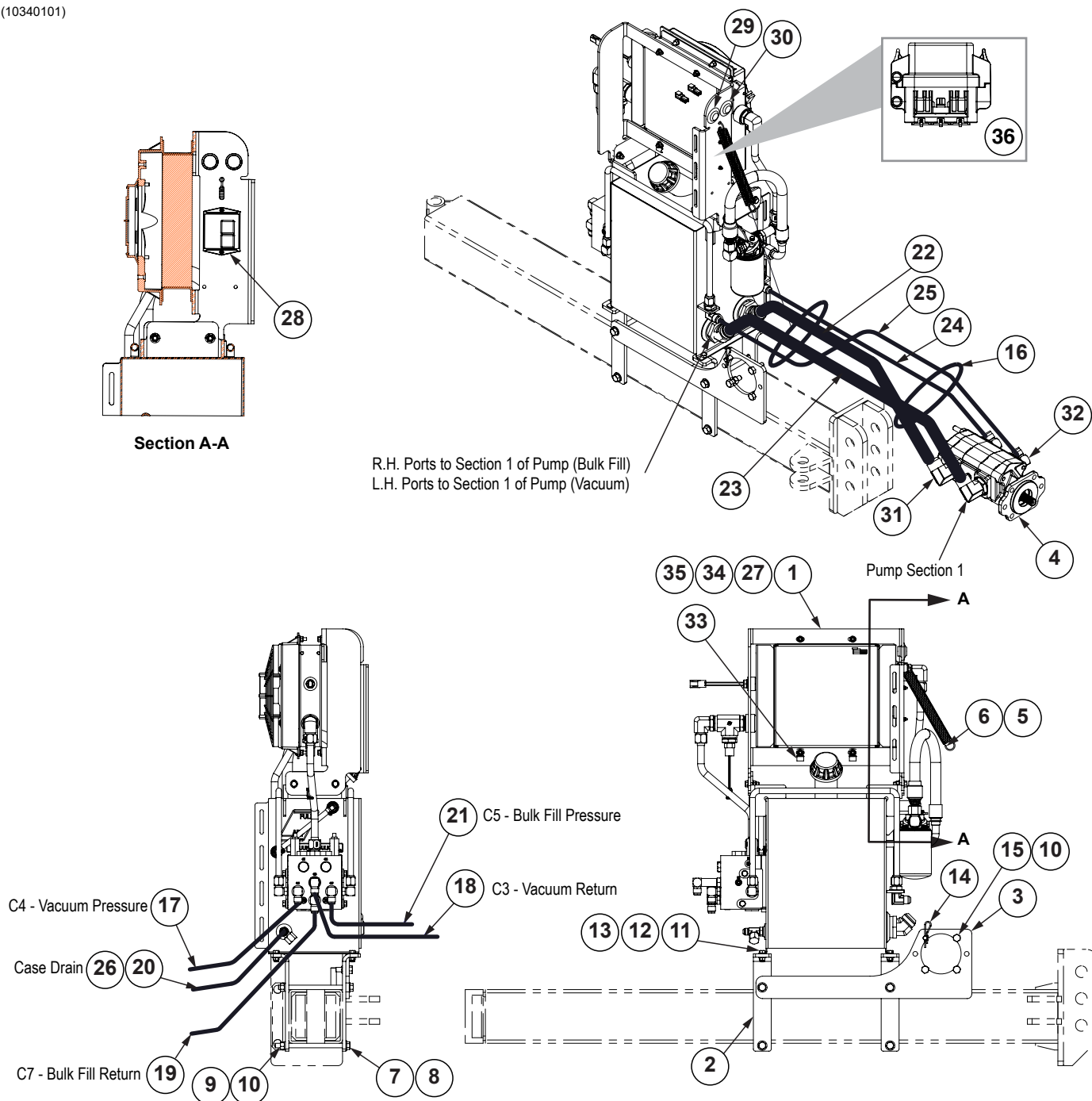
(10333701)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10331001	2	No. 4 Hose Clamp, 5/8"-1/4" x 5/16"
2	2503-20	2	Elbow, 45°, 1 5/8"-12 JIC x 1 1/4" MNPT
3	G2701-10	2	Elbow, 90°, 7/8"-14 Male JIC
4	G306-10	2	Lock Nut, 7/8"-14
5	G10333501	2	Hydraulic Steel Line, 5/8"
6	GD35381	2	3/8" O.D. Brass Barbed x 1/4" NPT 90° Elbow
7	G6804-08 GR1037	1	Adjustable Tee, 3/4"-16 Male JIC To O-Ring O-Ring
8	G10399801	1	Hydraulic Steel Line, 3/4"
9	G10333601	1	Cooler Mount Bracket
10	G304-C-8	1	Cap Nut, 3/4"-16
11	GD16038	1	Filter Head
12	GD16037	1	Oil Filter, 10 Micron
13	G6801-12 GR1467	1	Elbow W/O-Ring, 90°, 1 1/16"-12 Male JIC To O-Ring O-Ring
14	G10227	2	Lock Washer, 1/4"
15	G10023	2	Hex Head Cap Screw, 1/4"-20 x 3/4"
16	G10235	2	Machine Bushing, 7/8", 14 Gauge (.0747")
17	6801-12-16	2	90° Adjusting Elbow W/O-Ring, 1 1/16" x 1 5/16"
18	G11387	8	Flat Washer, 3/8" SAE
19	G10004	4	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
20	---	1	See "PTO Pump Hydraulic Valve Block (Bulk Fill/Blue Drive)" on page P194
21	G10108	4	Lock Nut, 3/8"-16
22	G10399901	1	Hydraulic Steel Line, 3/4"
23	GD6279-07	1	Clear Plastic Tubing, 3/8" x 7 1/4"
24	G10087001	1	Temperature Sensor, 100°
25	G2403-12	1	Union, 1 1/16"-12 Male JIC
26	*A12937-24	1	Hose Assembly, 3/4" x 24" (12F-12F90S)
27	G6801-LL-12	1	Adjustable Elbow W/O-Ring, 1 1/16"-12 x 1 1/16"-12
28	G10002	4	Hex Head Cap Screw, 3/8"-16 x 3/4"
29	G10229	4	Lock Washer, 3/8"
30	G10339301	1	Oil Cooler and Fan Assembly
31	G6835-16-16-16	1	Tee, 1 5/16" O-Ring
32	6410-16-08	1	Adapter W/O-Ring, 1 5/16"-12 x 3/4"-16
33	G10098201	1	Temperature Sensor
34	G10019	4	Hex Head Cap Screw, 5/16"-18 x 1"
35	G11386	8	Flat Washer, 5/16" SAE
36	G10109	4	Lock Nut, 5/16 "-18
37	G10333801	1	PTO Reservoir
	GA27102	-	Filler Breather (Included W/G10333801)
	GD16040	-	Strainer (Included W/G10333801)

*Hydraulic hose is not stocked by Kinze Repair Parts.

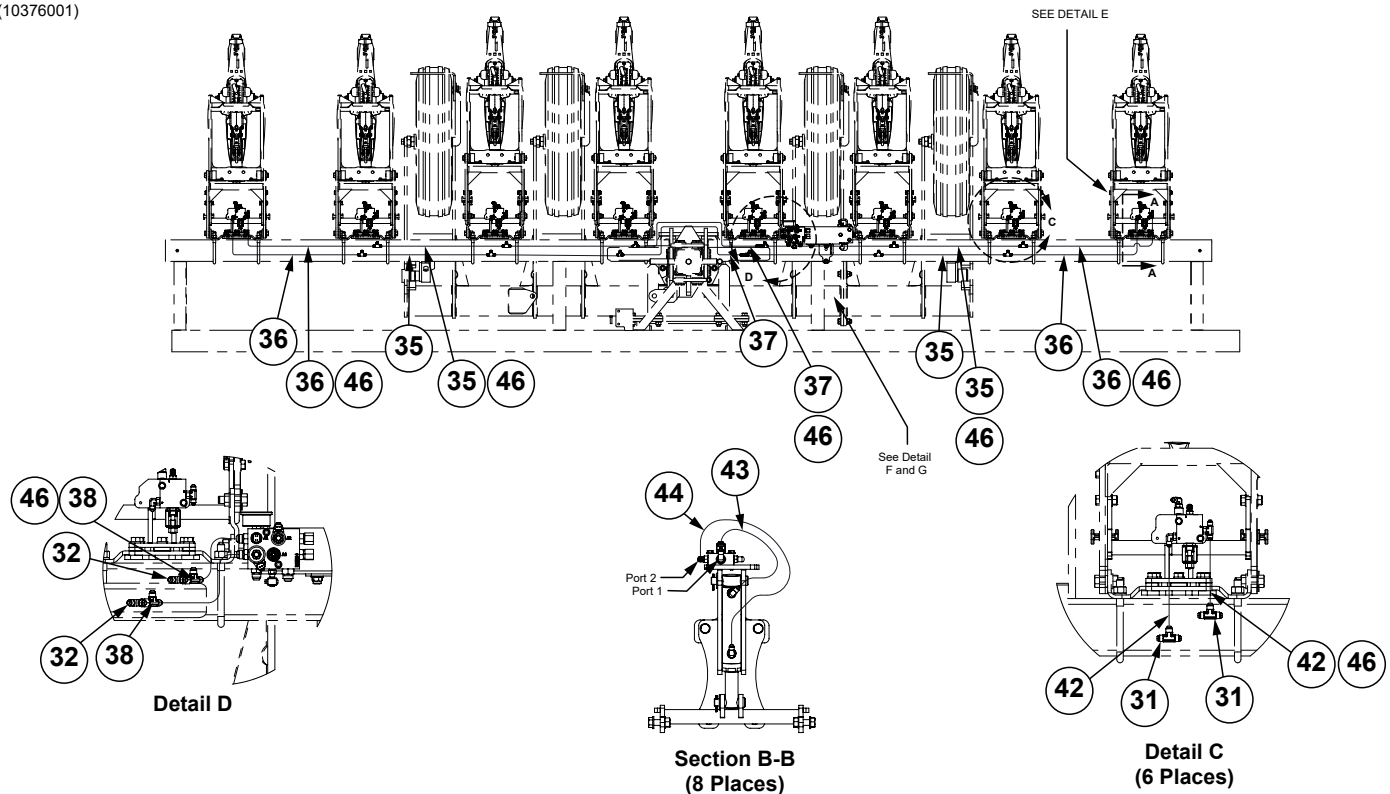
(10340101)



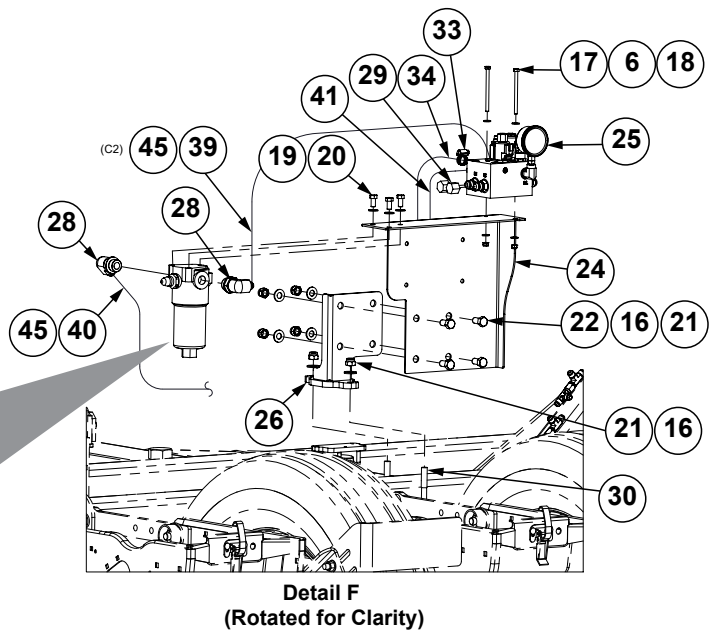
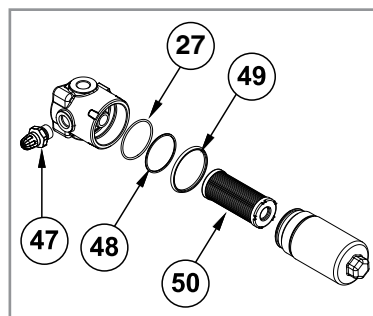
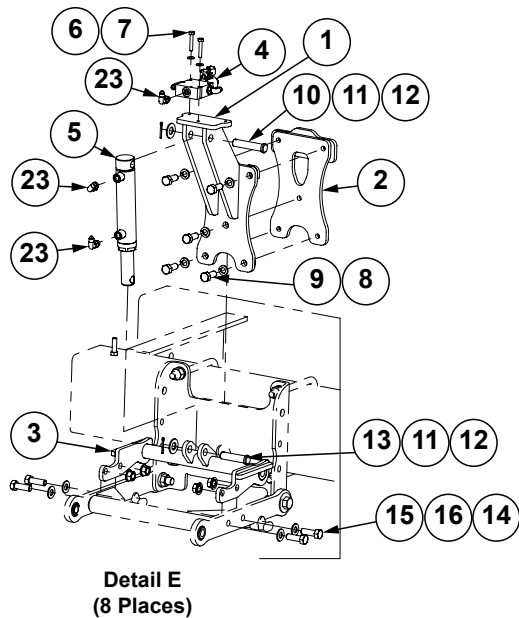
ITEM	PART NO.	QTY.	DESCRIPTION
1	---	1	See "PTO Pump Drive and Oil Cooler - Dual Stage, 8 Row" on page P169
2	G10333401	4	Tank Mount Bracket
3	G10363101	1	Parker PTO Pump Mount
4	G10288701	1	Gear Pump
	GR2383	-	Seal Kit
5	GA14152	1	Hose Strap
6	GD0829	1	Spring
7	G11200	4	Hex Head Cap Screw, ½"-13 x 8"
8	G11389	4	Flat Washer, ½" Plated SAE
9	G10228	4	Lock Washer, ½"
10	G10102	6	Hex Nut, ½"-13
11	G10001	4	Hex Head Cap Screw, ⅜"-16 x 1"
12	G11387	4	Flat Washer, ⅜" SAE
13	G10108	4	Lock Nut, ⅜"-16
14	G10592	1	Hair Pin Clip, No. 11
15	G10017	2	Hex Head Cap Screw, ½"-13 x 1½"
16	GD19383-03	1	Hose Wrap, 60"
17	*A26949-74	1	Hose Assembly, ⅜" x 74" (06F-10F)
18	*A25487-70	1	Hose Assembly, ⅝" x 70" (10F-12F)
19	*A18679-73	1	Hose Assembly, ½" x 73" (10F - 10M JIC)
20	*A15092-74	1	Hose Assembly, ⅜" x 74" (06F - 08F)
21	*A25710-73	1	Hose Assembly, ½" x 73" (08M JIC - 10F)
22	*A11810-68	1	Hose Assembly, 1¼" x 68" (20F - 20F)
23	*A11810-72	1	Hose Assembly, 1¼" x 72" (20F - 20F)
24	*A25707-68	1	Hose Assembly, ½" AR x 68" (10F45-12F)
25	*A25707-72	1	Hose Assembly, ½" AR x 72" (10F45-12F)
26	GD10057-19	2	Hose Identification Sleeve, Orange CD
27	G10357401	1	PTO Harness, 3000 Series
28	G10396901	1	Reverser Module Assembly
29	G10098401	1	PTO Red Light Harness
30	G10098301	1	PTO Green Light Harness
31	G6801-20	2	Elbow W/O-Ring, 90°, 1⅝"-12 Male JIC To O-Ring
32	G6801-12	2	Elbow W/O-Ring, 90°, 1⅞"-12 Male JIC To O-Ring
	GR1467		O-Ring
33	GD6291	2	Insulated Clamp, ⅜"
34	G10049501	1	Tractor Battery Connection Harnees and Fuse Kit
35	G10724901	1	Tractor Power Harness
36	G10567801	1	Relay Module Mount Bracket
	G10110	2	Lock Nut, ¼"-20, Grade B
	G10023	2	Hex Head Cap Screw, ¼"-20 x ¾"

*Hydraulic hose is not stocked by Kinze Repair Parts.

(10376001)

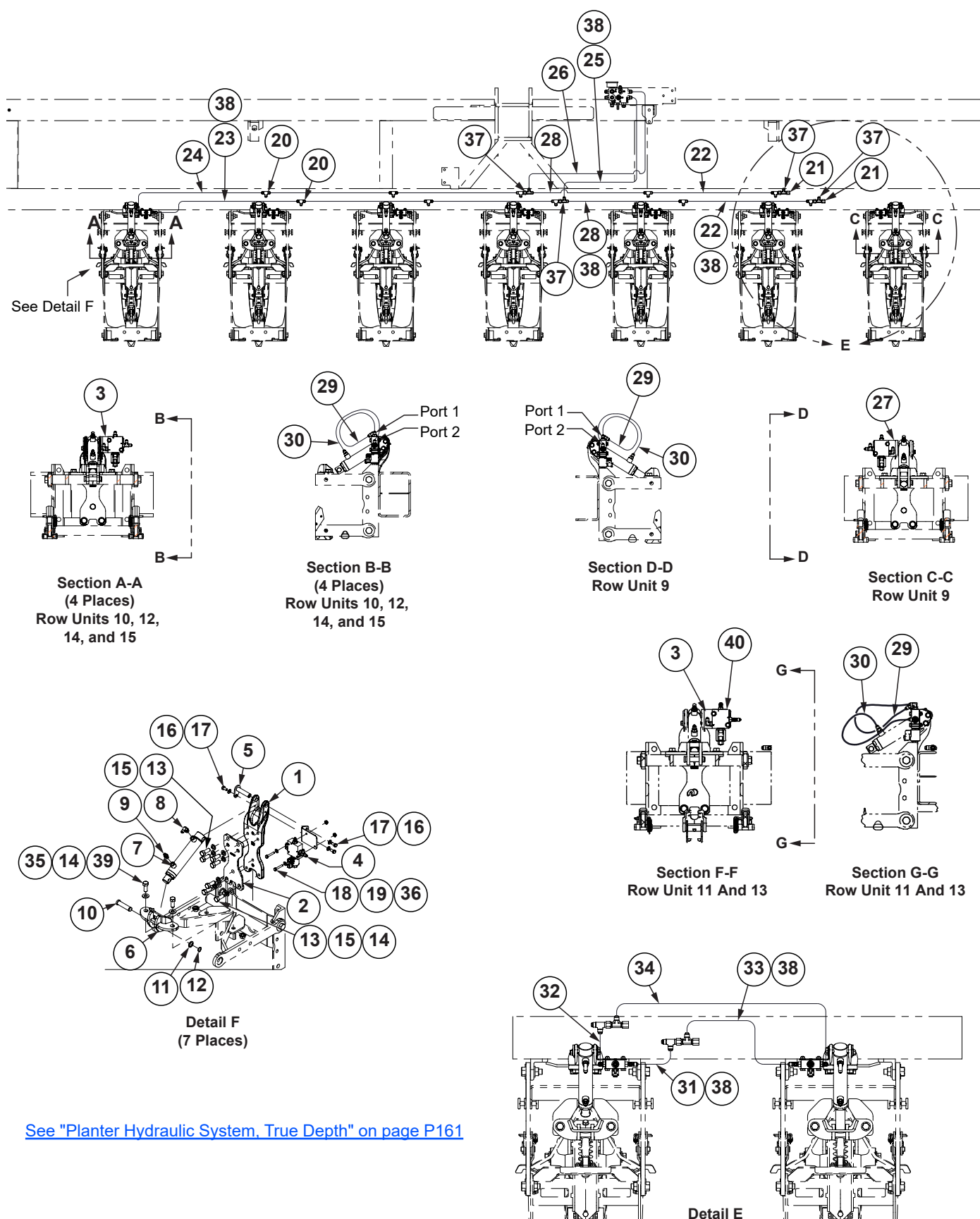


[See "Planter Hydraulic System, True Depth" on page P161](#)



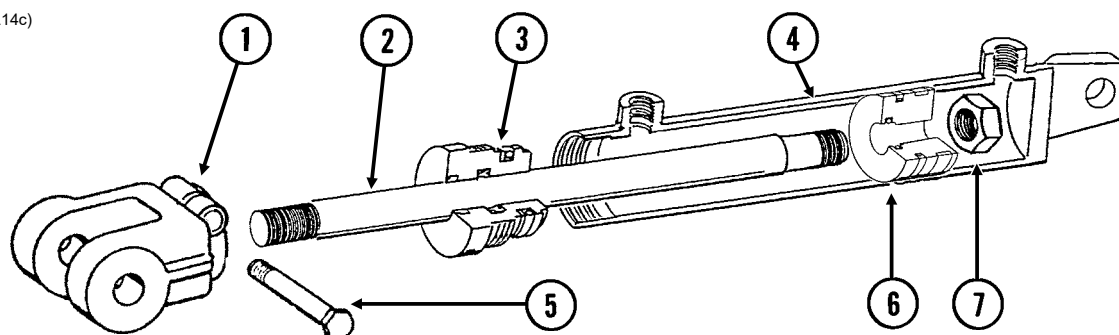
Hydraulic Down Force Hoses and Fittings, 8 Row Pull Units (True Rate/Bulk Fill/Blue Drive)

ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25258	8	Upper Mounting Bracket
2	GA25401	8	Back Mount
3	GA25257	8	Lower Mounting Bracket
4	---	8	See "Row Unit Control Block, Pull Row Units" on page P192
5	GA25261	8	See "Hydraulic Down Force Cylinder" on page P187
6	G11385	20	Flat Washer, 1/4" SAE
7	GD35459	16	Hex Head Cap Screw, 1/4"-20 x 1 1/2", Grade 5
8	G10228	40	Lock Washer, 1/2"
9	G10037	40	Hex Head Cap Screw, 1/2"-13 x 1 1/4"
10	G11875	8	Clevis Pin, 5/8" x 3"
11	G11391	16	Flat Washer, 5/8" SAE
12	G10451	16	Cotter Pin, 1/8" x 1"
13	G10564	8	Clevis Pin, 5/8" x 2 1/2"
14	G10071	32	Serrated Flange Nut, 1/2"-13
15	G10017	32	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
16	G11389	38	Flat Washer, 1/2" Plated SAE
17	G11135	2	Hex Head Cap Screw, 1/4"-20 X 3 3/4"
18	G10110	2	Lock Nut, 1/4"-20, Grade B
19	G11387	3	Flat Washer, 3/8" SAE
20	G10002	3	Hex Head Cap Screw, 3/8"-16 x 3/4"
21	G10111	6	Lock Nut, 1/2"-13
22	G10014	4	Hex Head Cap Screw, 1/2"-13 x 1"
23	G6801-04-04	24	90° Adjustable Elbow W/O-Ring, 7/16"-20
24	GD36756	1	Hydraulic Block Mount Bracket
25	---	1	See "Down Force Manifold Block" on page P188
26	G10336501	1	Hydraulic Down Force Main Bracket
27	**R2367	1	Sealing O-Ring
28	G6801-08-12	2	90° Adjustable Elbow W/O-Ring, 3/4"-16 x 1 1/16"
29	G304-C-8	2	Cap, 3/4"-16
30	GD8306	1	U-Bolt, 7" x 5" x 1/2"-13
31	G2603-06	12	Tee, 9/16"-18 Male JIC
32	G6602-06	2	Swivel Tee, 9/16"-18 JIC
33	G10681	1	Hose Clamp, No. 6
34	GD6279-03	1	Clear PVC Tubing, 3/8" x 28"
35	*A12038	8	Hose Assembly, 3/8" x 30" (06F-06F)
36	*A7680-35	4	Hose Assembly, 1/4" X 35" (04F 90S-06F)
37	*A15081-32	2	Hose Assembly, 3/8" x 32" (06F - 06F)
38	*A25504-19	2	Hose Assembly, 3/8" x 19" (06F - 08F90S)
39	*A18671-30	1	Hose Assembly, 1/2" x 30" (08F-08F90S)
40	*A18667-72	1	Hose Assembly, 1/2" x 72" (08F - 08F)
41	*A21542-64	1	Hose Assembly, 5/8" x 64" (10F - 10F90M)
42	*A7680-10	12	Hose Assembly, 1/4" x 10" (04F - 06F)
43	*A7678-13	8	Hose Assembly, 1/4" x 13" (04F-04F)
44	*A7677-20	8	Hose Assembly, 1/4" x 20" (04F - 04F STD 90)
45	GD10057-20	4	Hose Identification Sleeve, Purple PP
46	GD35904-01	28	Hose Identification Sleeve, Purple PP
47	GR2361	1	Flow Indicator
48	**R2366	1	Anti-Extrusion Ring
49	**R2365	1	External O-Ring
50	GD35835	1	Replacement Filter Cartridge
A	GA25857	1	In-Line Filter Assembly, Includes Items 27 and 48-50
B	GR2368	-	Seal Kit, Includes: (1) Sealing O-Ring, (1) Anti-Extrusion Ring, (1) External O-Ring



ITEM	PART NO.	QTY.	DESCRIPTION
1	GD35211	7	Down Force Cylinder Mount
2	GB0389	7	Plate
3	GD35231	6	Valve Block Mount, L.H.
4	---	5	See "Row Unit Control Block, Push Row Units" on page P193
5	GA25384	7	Hammer Strap Pin
6	GA25240	7	Rod Mount
7	GA25261	7	See "Hydraulic Down Force Cylinder" on page P187
8	G6801-04-04	7	90° Adjustable Elbow W/O-Ring, 7/16"-20
9	6400-04 GR1465	7 -	Connector W/O-Ring, 7/16"-20 Male JIC To O-Ring O-Ring
10	GD26970	7	Pin, 5/8" x 2 1/2"
11	G10918	7	Machine Bushing, 5/8", 14 Gauge (.0747")
12	G10567	7	External Retaining Ring, 5/8"
13	G10037	63	Hex Head Cap Screw, 1/2"-13 X 1 1/4"
14	G11389	28	Flat Washer, 1/2" Plated SAE
15	G10228	49	Lock Washer, 1/2"
16	G11386	21	Flat Washer, 5/16" SAE
17	G10018	21	Hex Head Cap Screw, 5/16"-18 x 5/8"
18	G10021	14	Hex Head Cap Screw, 1/4"-20 x 1 1/2"
19	G11385	14	Flat Washer, 1/4" SAE
20	G2603-06	10	Tee, 9/16"-18 Male JIC
21	G304-C-6	2	Cap Nut, 9/16"-18
22	*A12038	8	Hose Assembly, 3/8" x 30" (06F-06F)
23	*A7680-35	1	Hose Assembly, 1/4" X 35" (04F 90S-06F)
24	*A7682-35	1	Hose Assembly, 1/4" x 35" (04L90F-06F)
25	*A25690-58	1	Hose Assembly, 3/8" x 58" (06F - 08F90M)
26	*A25690-67	1	Hose Assembly, 3/8" x 67" (06F - 08F90M)
27	GD35230	1	Valve Block Mount, R.H.
28	*A15081-27	2	Hose Assembly, 3/8" x 27" (06F - 06F)
29	*A7678-20	7	Hose Assembly, 1/4" x 20" (04F-04F)
30	*A7678-19	7	Hose Assembly, 1/4" x 19" (04F-04F)
31	*A7680-11	5	Hose Assembly, 1/4" x 11" (04F-06F)
32	*A7682-11	5	Hose Assembly, 1/4" x 11" (04L90F-06F)
33	*A7680-15	1	Hose Assembly, 1/4" x 15" (04F - 06F)
34	*A7682-25	1	Hose Assembly, 1/4" x 25" (04F90L - 06F)
35	G10071	14	Serrated Flange Nut, 1/2"-13
36	G10621	14	Serrated Flange Nut, 1/4"-20
37	G6602-06	4	Swivel Tee, 9/16"-18 JIC
38	GD35904-01	26	Hose Identification Sleeve, Purple PP
39	G10017	14	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
40	---	2	See "Row Unit Control Block, Push Row Units" on page P193

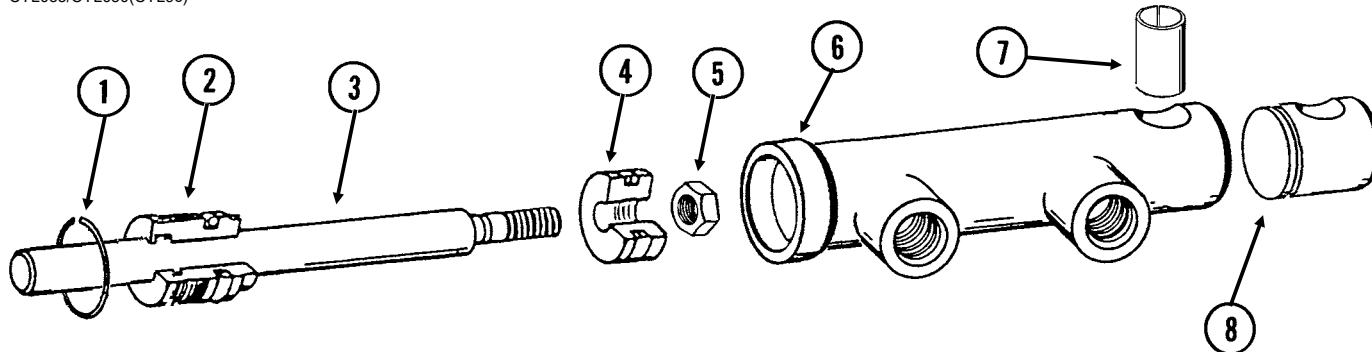
CYL032(CYL14c)



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

Transport Latch Cylinder, All Sizes

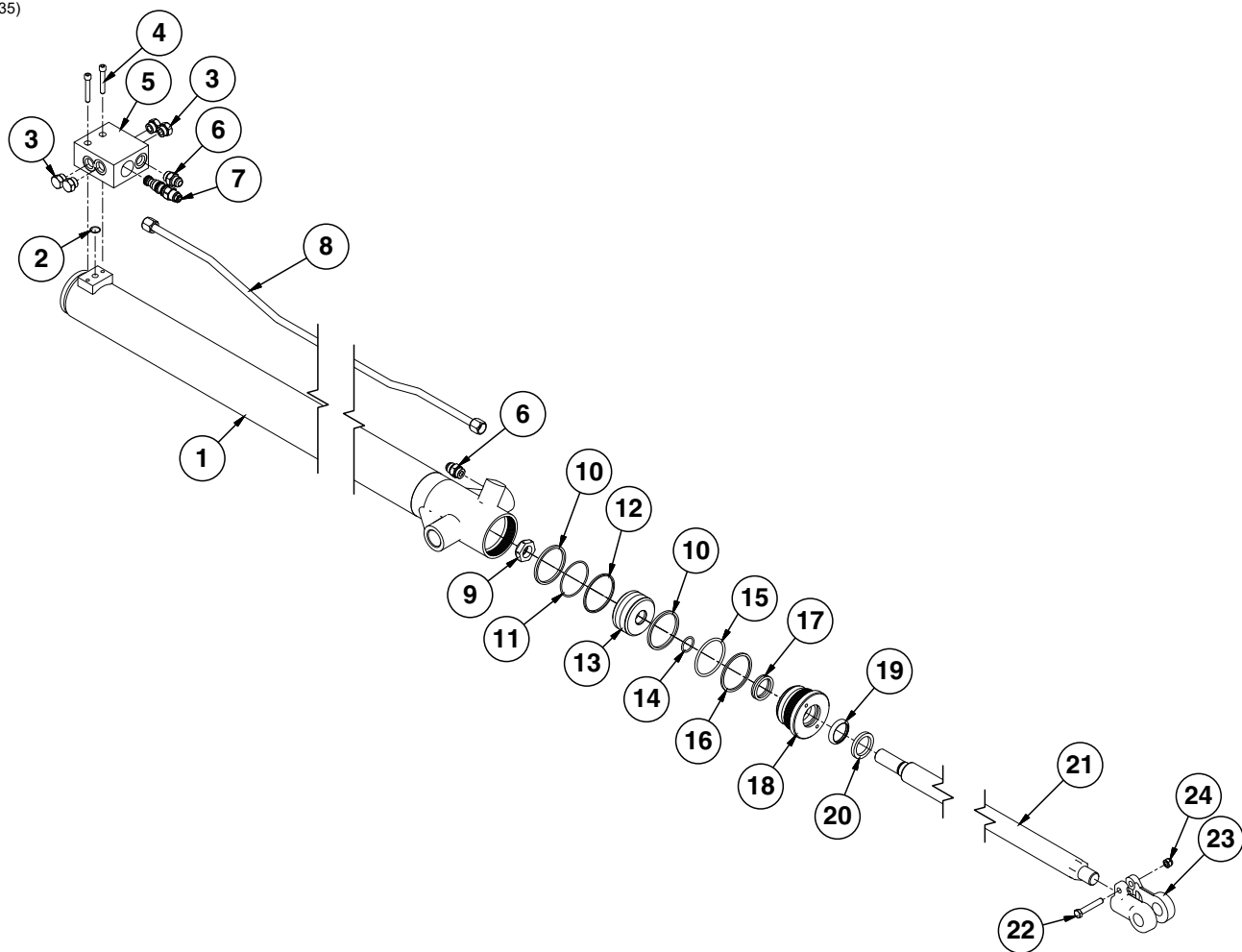
CYL035/CYL050(CYL9c)



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

This page left blank intentionally.

(IP1535)

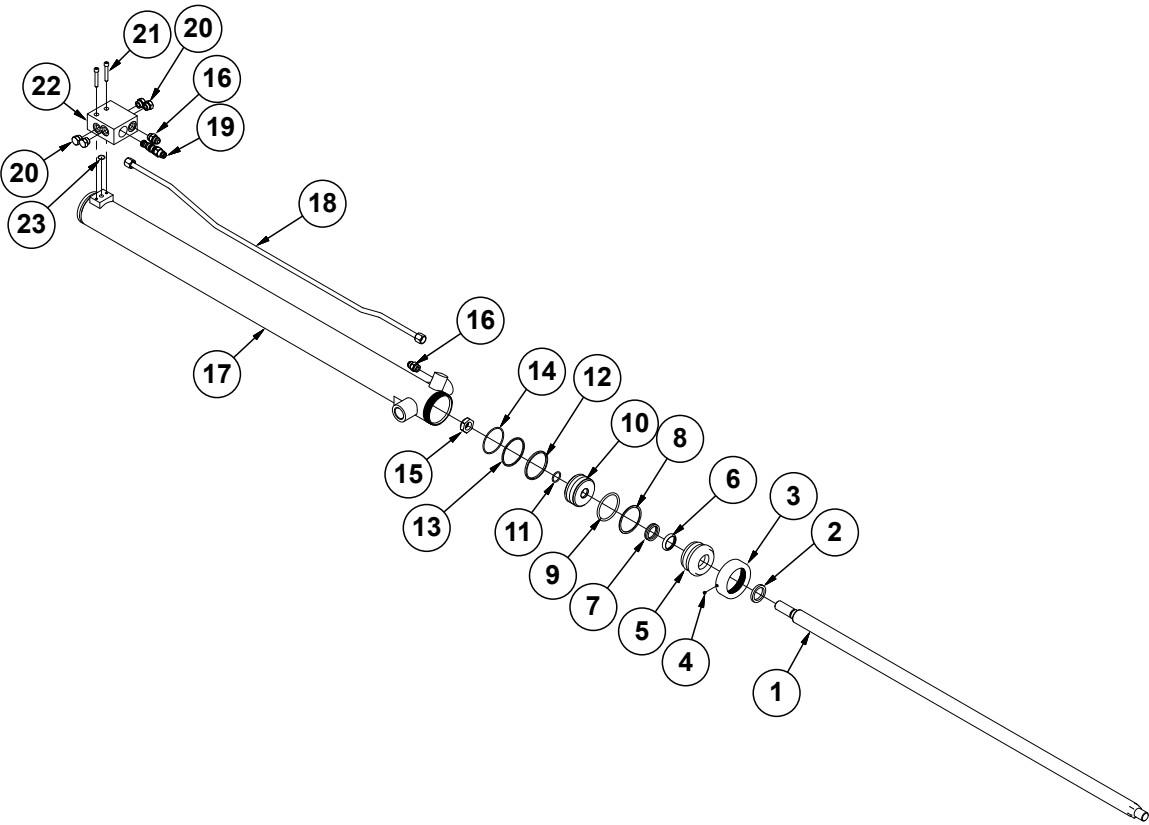


ITEM	PART NO.	QTY. (Per Cylinder)	DESCRIPTION
1	GA8884	1	Barrel
2	*D12239	1	O-Ring, No. 016
3	G6408-08 GR1037	2 -	Plug W/O-Ring, 3/4"-16 O-Ring O-Ring
4	G10932	2	Hex Socket Head Cap Screw, 5/16"-18 x 2", Grade 8
5	GD11579	1	Block
6	6400-08 GR1037	2 -	Connector W/O-Ring, 3/4"-16 Male JIC To O-Ring O-Ring
7	GA8882 GR1517	1 -	Counter Balance Valve Seal Kit For Counter Balance Valve, Includes: (3) O-Rings, (3) BU Rings
8	GA8888	1	Steel Hydraulic Line, 43 ¹¹ / ₁₆ "
9	GD27235	1	Nylon Lock Nut, 1"-14, Grade 8
10	*D12050	2	Piston Ring, 3"
11	*D12051	1	Piston Seal, 3"
12	*D12209	1	Energizer Seal, 3"
13	GD30632	1	Piston Cylinder
14	*D29649	1	O-Ring, No. 215
15	*D12202	1	O-Ring, No. 334
16	*D12203	1	BU Ring
17	*D12252	1	U-Cup
18	GD12518	1	Gland
19	*D12206	1	Wiper, 1 1/2"
20	GD12103	1	Ring
21	GD30631	1	Cylinder Rod, 1 1/2"
22	**G10939	1	Hex Head Cap Screw, 3/8"-16 x 2 1/4"
23	**GD30859	1	Clevis Rod
24	**G10108	1	Lock Nut, 3/8"-16
A	GA21487	---	Cylinder Complete, 3" x 48" (<i>Part Number Stamped On Barrel</i>)
B	GR2223	---	Seal Kit (Cylinder), Includes: (1) Wiper, (1) U-Cup, (7) O-Rings, (4) BU Rings, (1) Seal, (1) Seal Expander, (2) Cast Iron Rings

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

**Items is not part of GA21487, must purchase separately.

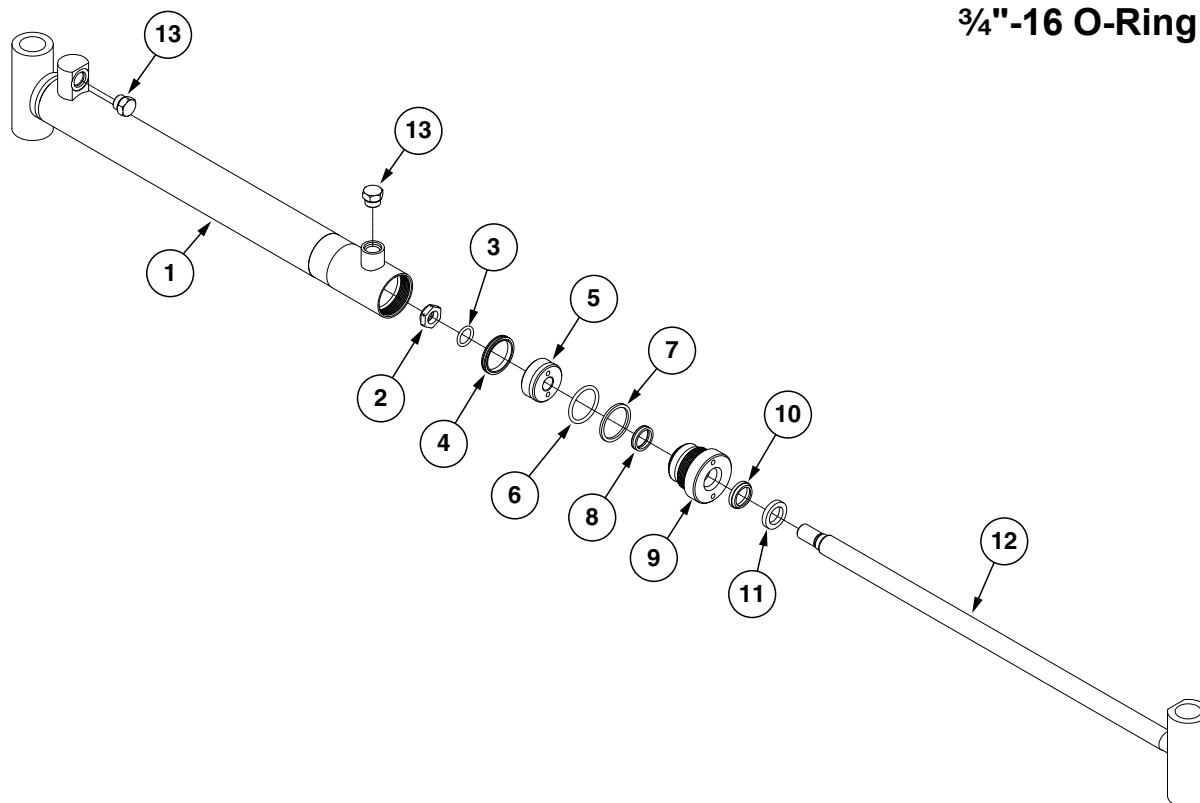
(IP1551)



ITEM	PART NO.	QTY. (Per Cylinder)	DESCRIPTION
1	GD30631	1	Cylinder Rod, 1½"
2	GD12103	1	Ring
3	GD13303	1	Cap
4	G10907	1	Set Screw, ¼"-20 x ¼"
5	GD13302	1	Gland
6	GD12206	1	Wiper, 1½"
7	*D12252	1	U-Cup
8	*D12228	1	Back-Up Ring
9	*D12227	1	O-Ring, No. 336
10	GD30697	1	Piston
11	*D29649	1	O-Ring, No. 215
12	*D12110	2	Cast Iron Piston Ring
13	*D12257	1	Energizer Seal
14	*D12108	1	Piston Seal
15	GD27235	1	Nylon Lock Nut, 1"-14, Grade 8
16	6400-08 GR1037	2	Connector W/O-Ring, ¾"-16 Male JIC To O-Ring O-Ring
17	GA24695	1	Barrel
18	GA8888	1	Steel Hydraulic Line, 43 ¹¹ / ₁₆ "
19	GA8882	1	Counter Balance Valve
20	G6408-08 GR1037	4 -	Plug W/O-Ring, ¾"-16 O-Ring O-Ring
21	G10932	2	Hex Socket Head Cap Screw, 5/ ₁₆ "-18 x 2", Grade 8
22	GD11579	1	Manifold Block
23	GD12239	1	O-Ring, No. 016
A	GA24694	-	Cylinder Complete, 3¼" x 48" (Part Numbered Stamped on Barrel)
B	GR2274	-	Seal Kit, Includes: (1) Wiper, (1) U-Cup, (3) O-Rings, (1) BU Ring, (1) T-Seal, (1) Cast Iron Piston Ring, (1) Piston Seal, and (1) Energizer Seal

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

(IP1527)

3/4"-16 O-Ring Ports

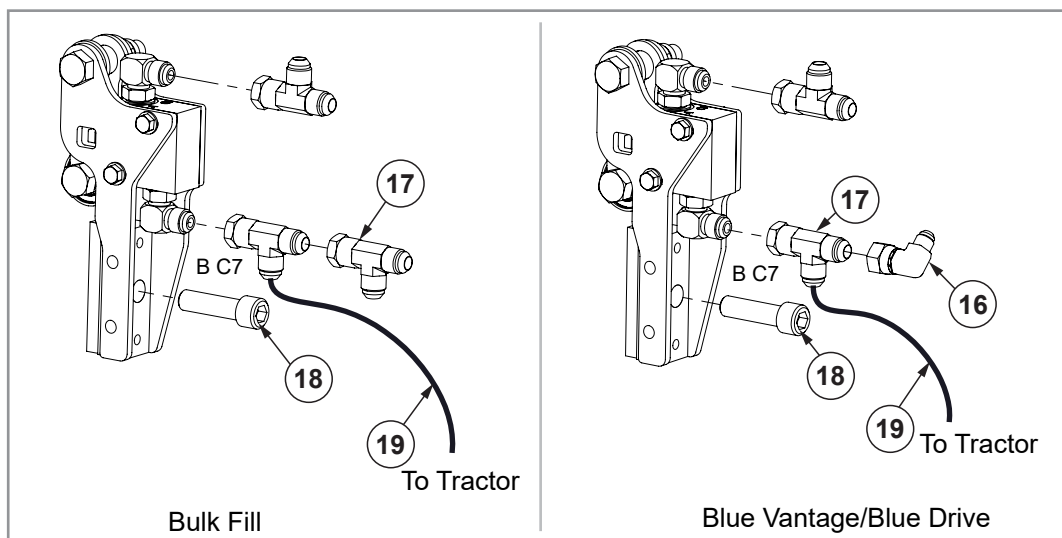
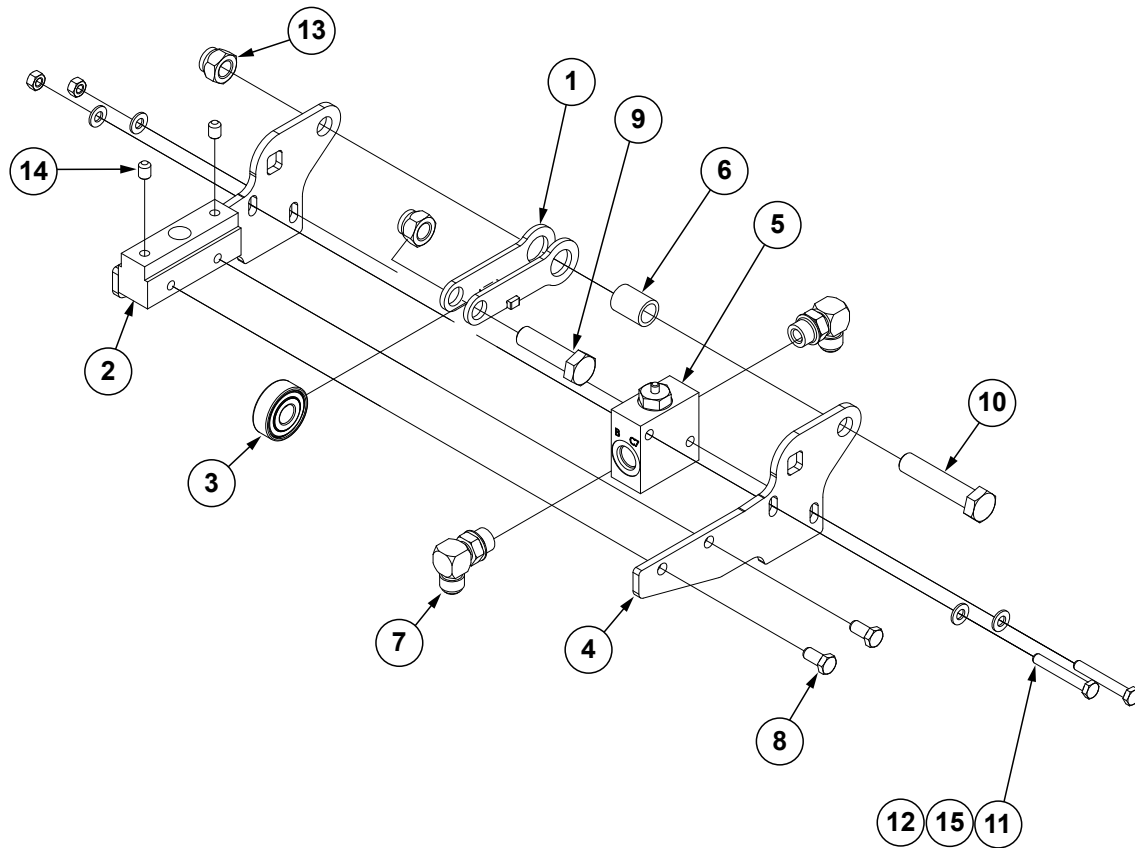
ITEM	PART NO.	QTY.	DESCRIPTION
1	A9442	1	Barrel
2	GD27233	1	Nylon Lock Nut, 3/4"-16, Grade 8
3	*D29692	1	O-Ring, No. 211
4	*A26166	1	BP Seal
5	GD29689	1	Piston
6	*D12235	1	O-Ring, No. 326
7	*D12236	1	Back-Up Ring
8	*D12256	1	U-Cup
9	GD12510	1	Gland
10	*D12233	1	Wiper Rod
11	GD12101	1	Ring
12	GA21159	1	Rod
13	G6408-08	2	Plug W/O-Ring, 3/4"-16 O-Ring
	GR1037	-	O-Ring

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

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

This page left blank intentionally.

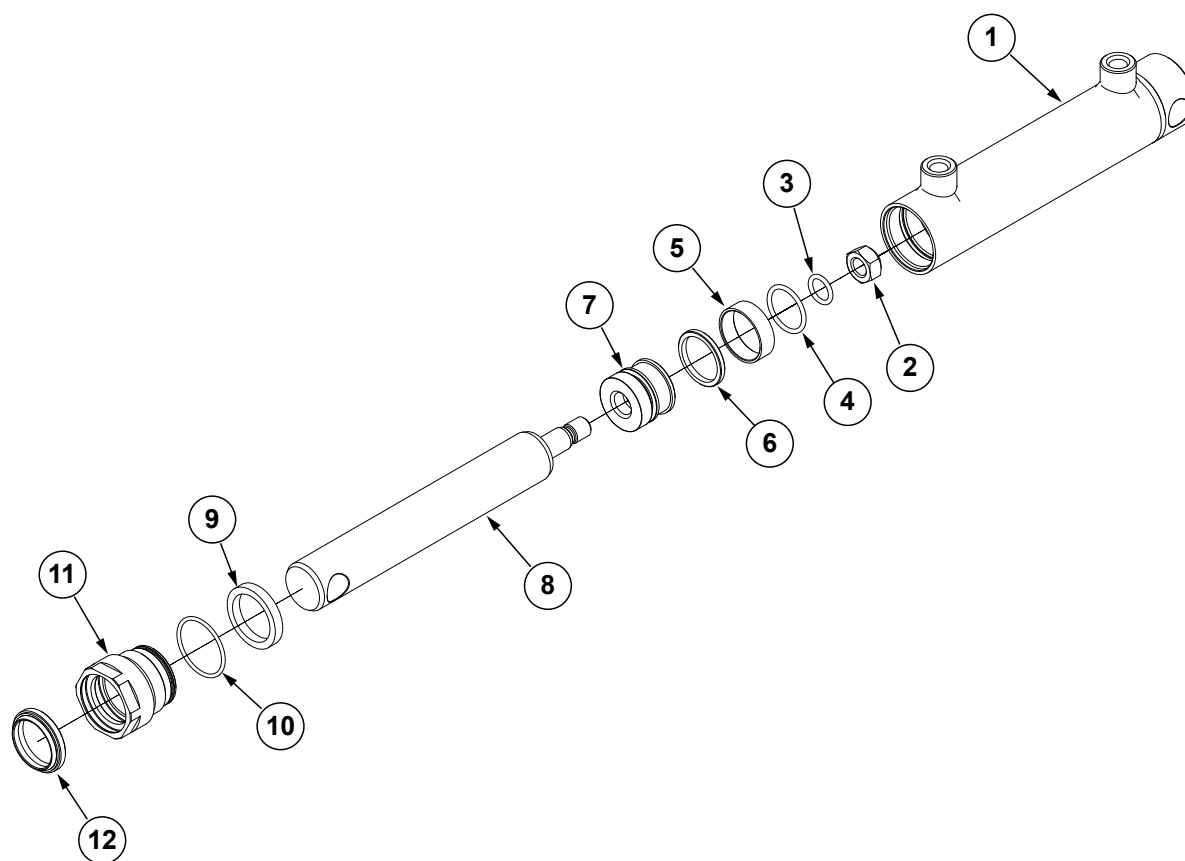
(A24497/101550)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA24495	1	Check Valve Mount
2	GA24496	1	Block Mount
3	GA2014	1	Bearing, 5/8"
4	GD35573	1	Side Mount Plate
5	GA24715	1	Plunger Valve
	GR1254	-	Valve
	GR1090	-	Check Valve Block
6	GD3180-05	1	Sleeve, 5/8" I.D. x 7/8" O.D. x 1 3/16" Long
7	G6801-08	2	Elbow W/O-Ring, 90°, 3/4"-16 Male JIC To O-Ring
	GR1037	-	O-Ring
8	G10002	2	Hex Head Cap Screw, 3/8"-16 x 3/4"
9	G10006	1	Hex Head Cap Screw, 5/8"-11 x 2 1/4"
10	G10010	1	Hex Head Cap Screw, 5/8"-11 x 3"
11	G10069	2	Hex Head Cap Screw, 5/16"-18 x 2 1/4"
12	G10106	2	Hex Nut, 5/16"-18
13	G10107	2	Lock Nut, 5/8"-11
14	G10120	2	Hex Socket Set Screw, 3/8"-16 x 1/2"
15	G11386	4	Flat Washer, 5/16" SAE
16	6500-06-08	1	90° Swivel Elbow, 9/16"-18 x 3/4"-16
17	G6502-08	1	Swivel Elbow, 45°, 3/4"-16 Male JIC To Female
18	G11859	1	Hex Socket Head Cap Screw, 5/8"-11 x 2 1/4"
19	*A15092-98	1	Hose Assembly, 3/8" x 98" (06F - 08F)

*Hydraulic hose is not stocked by Kinze Repair Parts.

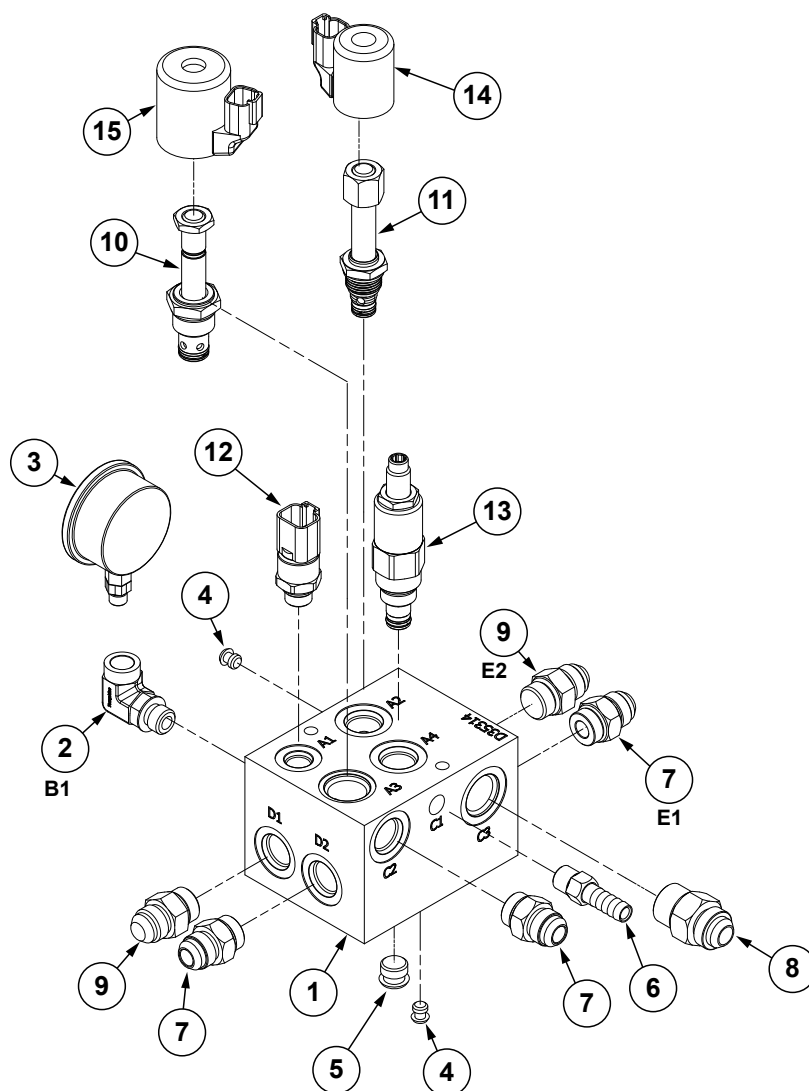
(IP1531)



ITEM	PART NO.	QTY.	DESCRIPTION
1	---	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.

(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
8	G6400-10 GR1466	1	Connector W/O-Ring, 7/8"-14 Male JIC To 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

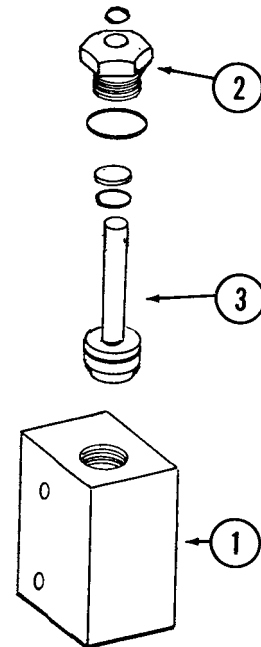
(TWL55)

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

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

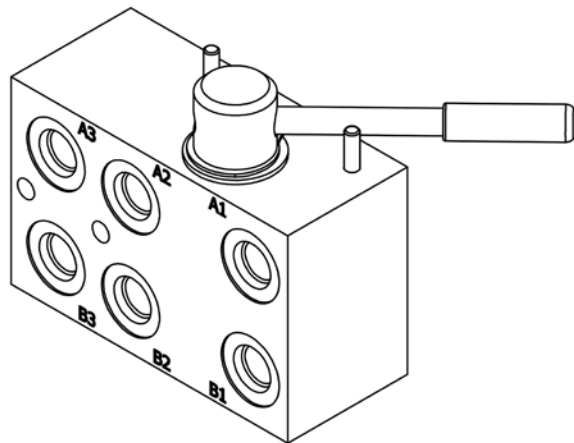
*Style A and B are determined by block color. Style A block will be yellow/zinc in color and manufactured by Shoemaker Inc. Style B block will be black in color and manufactured by Delta Power Company.

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



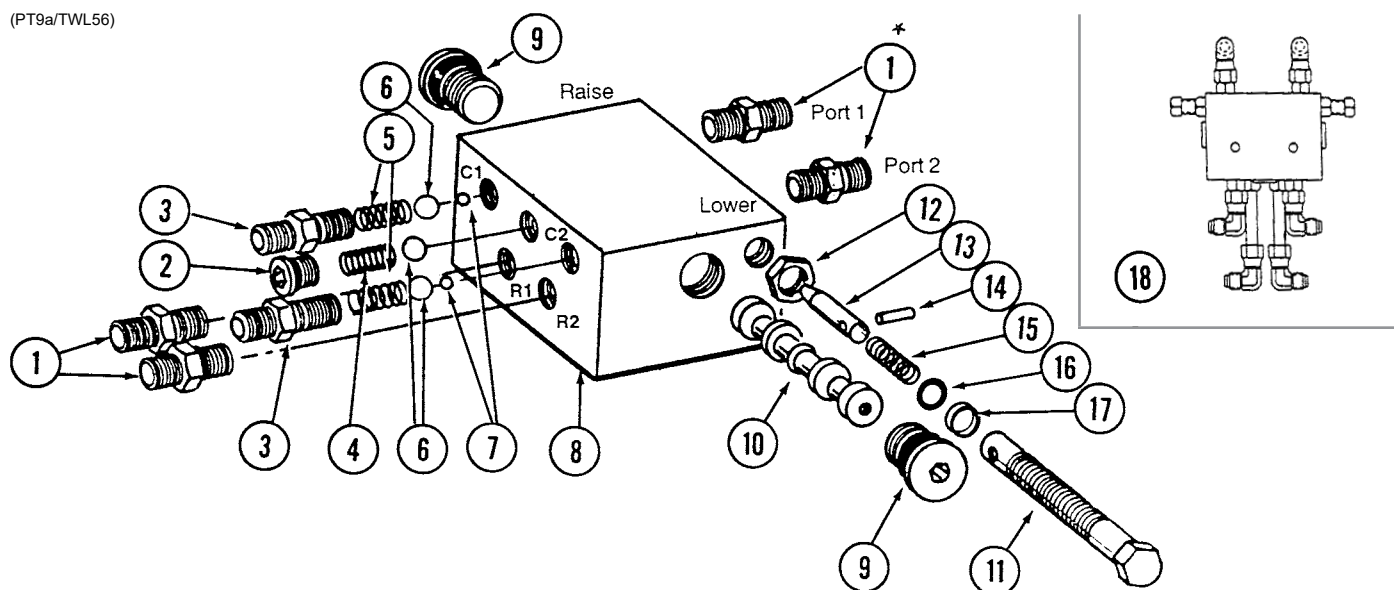
Selector Valve

(A24857)



ITEM	PART NO.	QTY.	DESCRIPTION
A	GA24857	-	Valve Assembly

(PT9a/TWL56)

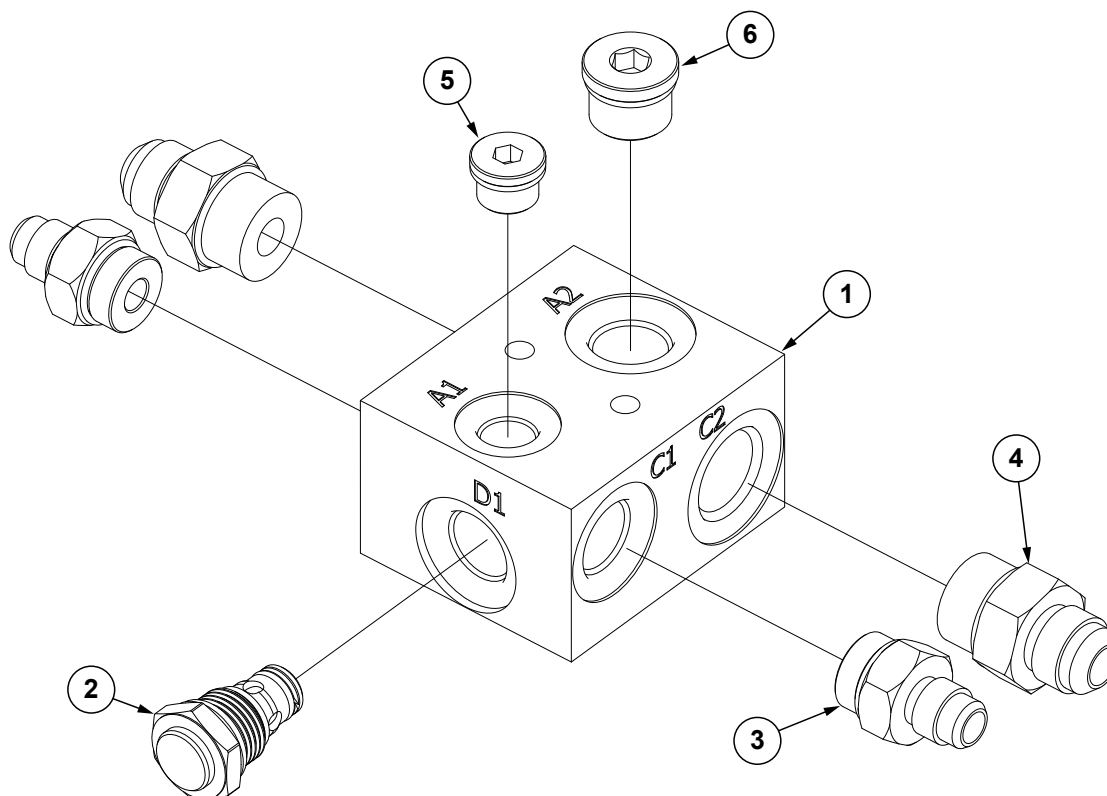


ITEM	PART NO.	QTY.	DESCRIPTION
1	G6400-06 GR1045	4 -	Connector W/O-Ring, 9/16"-18 Male JIC To O-Ring O-Ring
2	*R1034 GR1035	2 -	Hex Socket Plug W/O-Ring O-Ring
3	*R1032 GR1045	2 -	Port Adapter W/O-Ring O-Ring
4	*R1033	1	Detent Spring
5	*R1036	2	Spring
6	*R1044	3	7/16" Check Ball
7	*R1043	2	1/4" Steel Ball
8	---	1	Valve Body (Non-Stock Item)
9	*R1047 GR1037	2 -	Hex Socket Plug W/O-Ring O-Ring
10	---	-	Spool (Non-Stock Item)
11	**R1042	2	Adjustment Screw
12	**R1048	2	Hex Jam Nut, 1/2"-20
13	**R1038	2	Needle
14	**R1039	2	Spring Pin
15	**R1046	2	Compression Spring
16	**R1040	2	O-Ring
17	**R1041	2	Teflon BU Ring
18	---	---	See "Planter Hydraulic System, Row Hoppers (6 Row)" on page P151
A	GA5552	-	Valve Assembly Complete (Items 1-17)
B	GA20822	-	Flow Control Assembly Portion Only (Items 11-17)
C	GR2035	-	Detent Kit, Includes: (2) Hex Socket Plug W/O-Ring, (2) Port Adapter W/O-Ring, (1) Detent Spring, (2) Spring, (3) Check Ball, (2) Steel Ball

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

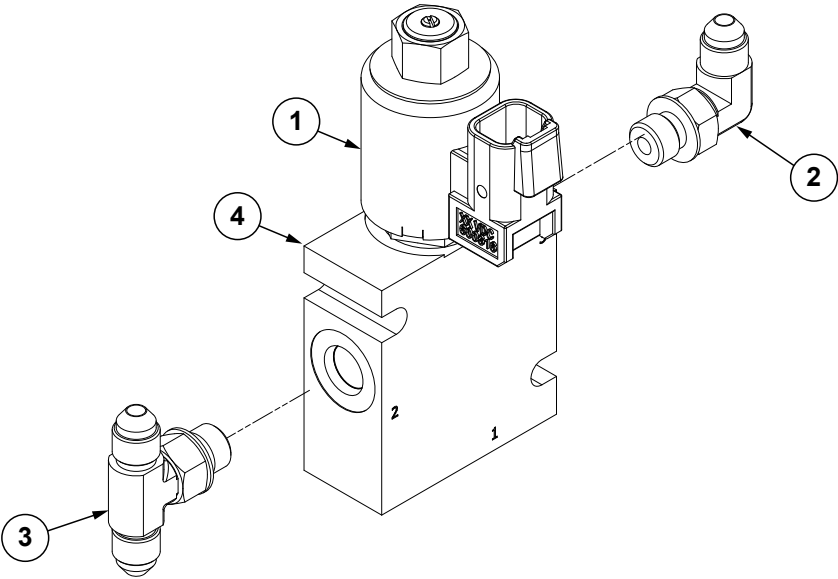
**Item is part of seal kit (GA20822), item can not be purchased individually.

(A24507)



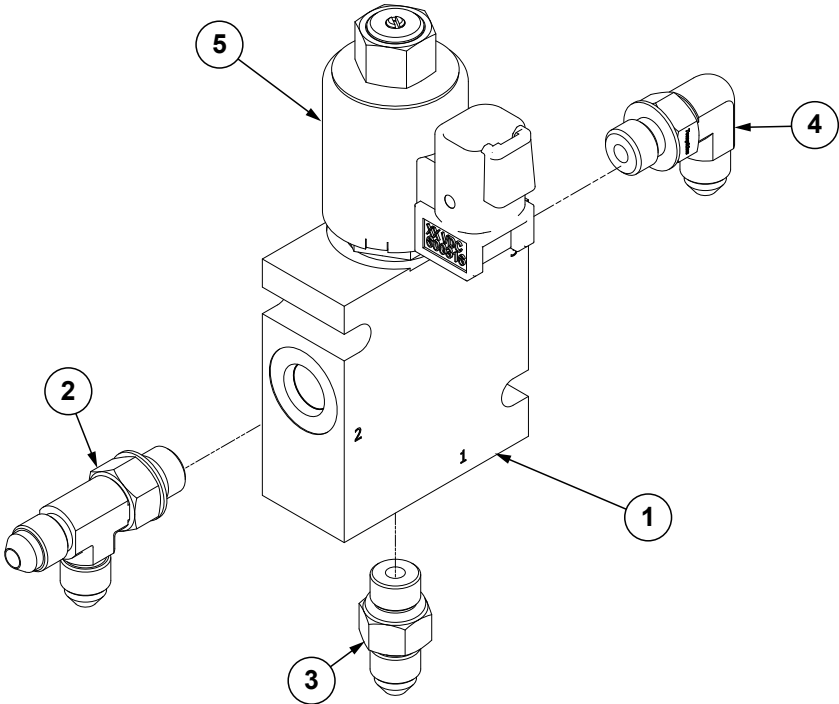
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD33511	1	Valve Block
2	GA21067	1	Check Valve, No. 8
3	6400-06-08 GR1037	2 -	Connector W/O-Ring, $\frac{1}{16}$ "-18 Male JIC To $\frac{3}{4}$ "-16 O-Ring O-Ring
4	6400-08-10 GR1466	2 -	Connector W/O-Ring, $\frac{3}{4}$ "-16 Male JIC To $\frac{7}{8}$ "-14 O-Ring O-Ring
5	G6408-H06-O GR1045	1 -	Hex Socket Head Plug W/O-Ring, $\frac{1}{16}$ "-18 O-Ring O-Ring
6	G6408-H08-0	1	Hex Socket Head Plug W/O-Ring, $\frac{3}{4}$ "-16 O-Ring

(A25264)



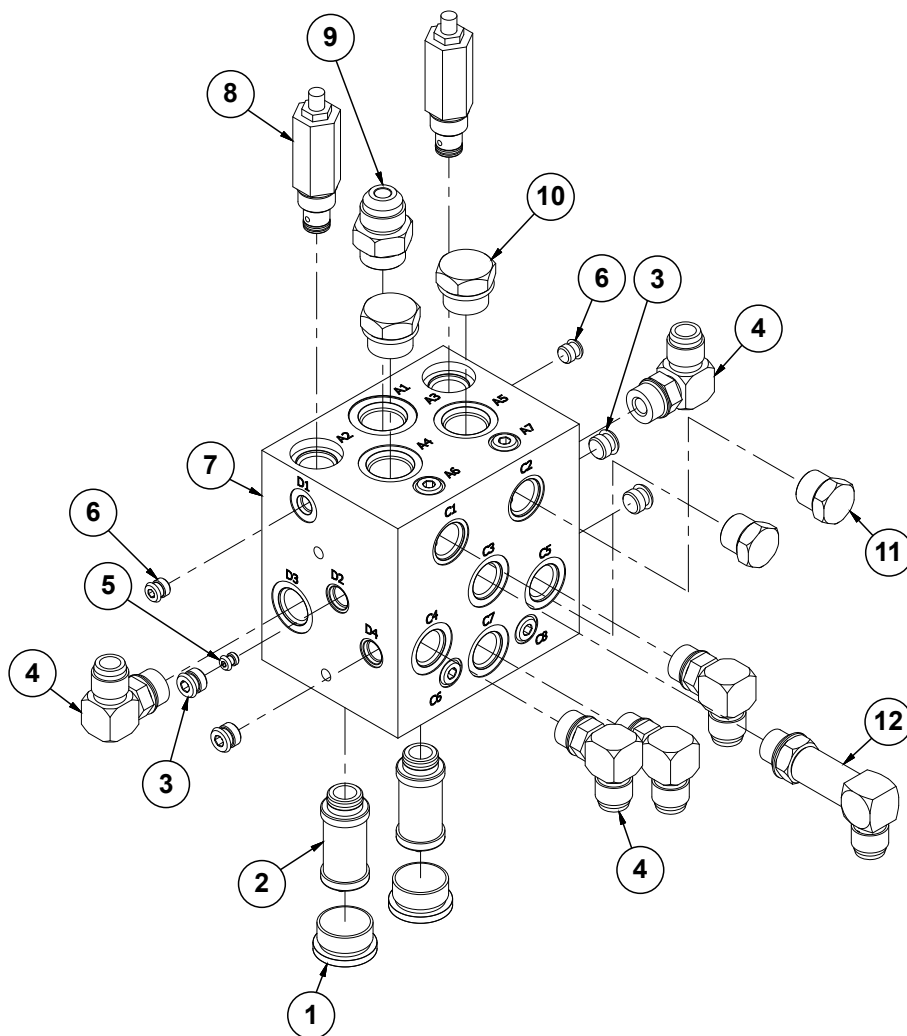
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10941101	1	Manual Override Cartridge Assembly
	G10959201	1	Solenoid Cartridge (Included W/G10941101)
	GR0761	1	Special Hex Nut, 1/2"-20 (Included W/G10941101)
2	G6801-04-04	1	90° Adjustable Elbow, 7/16"-20
3	G6803-04-04-04	1	Adjustable Tee, 7/16"-20
4	GD35271	1	Row Unit Control Block
A	G10945001	-	Row Unit Control Block Sub-Assembly, Items 1 and 4

(A25265)



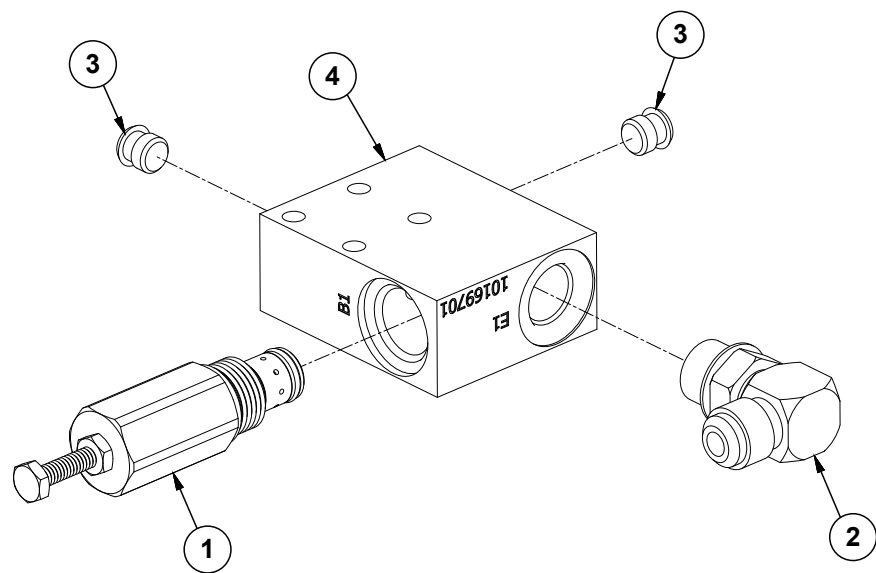
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD35271	1	Row Unit Control Block
2	G6804-04-04-04	1	Adjustable Tee, 7/16"-20
3	6400-04 GR1465	1 -	Connector W/O-Ring, 7/16"-20 Male JIC To O-Ring O-Ring
4	G6801-04-04	1	90° Adjustable Elbow, 7/16"-20
5	G10941101 G10959201 GR0761	1 1 1	Manual Override Cartridge Assembly Solenoid Cartridge (Included W/G10941101) Special Hex Nut, 1/2"-20 (Included W/G10941101)
A	G10945001	-	Row Unit Control Block Sub-Assembly, Items 1 and 5

(IP1659)



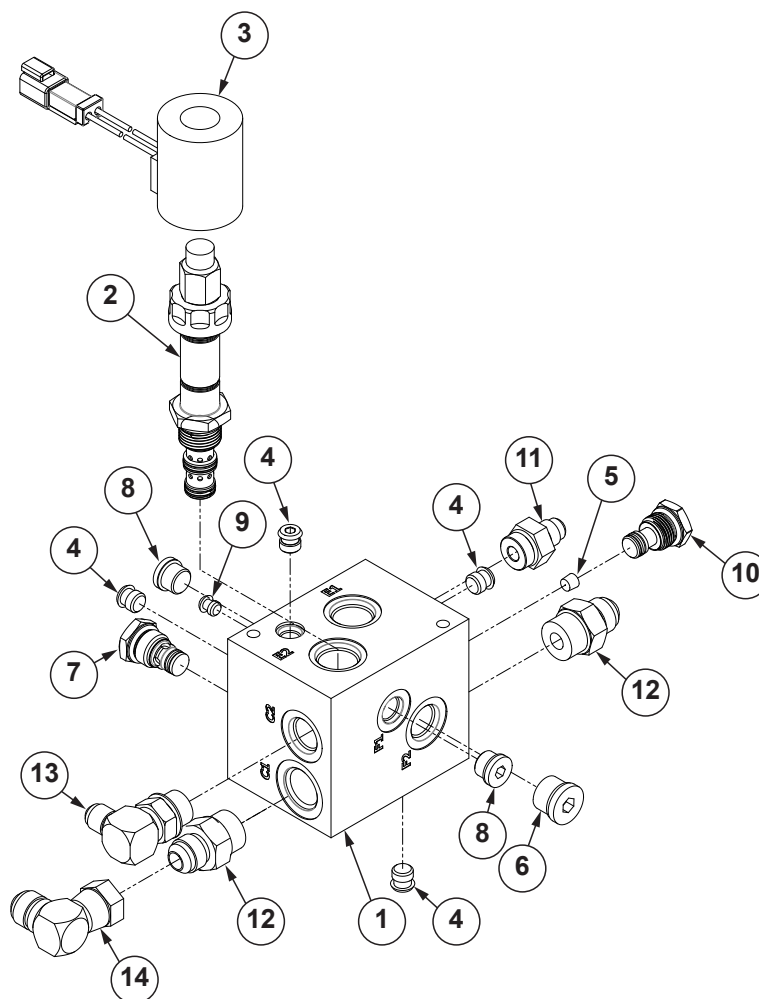
ITEM	PART NO.	QTY.	DESCRIPTION
1	6408-HHP-16	2	Hex Plug W/O-Ring, 1 $\frac{5}{16}$ "-12
2	GR2312	2	Cartridge Filter Manifold
3	GD29319	12	Plug
4	G6801-10 GR1466	5	Elbow W/O-Ring, 90°, $\frac{7}{8}$ "-14 Male JIC To O-Ring
5	GD29318	2	Plug
6	GD29321	2	Plug
7	G10170701	1	Manifold Block
8	G10349401	2	Pressure Relief Valve, 2500 PSI
9	G6400-12 GR1467	1	Connector, W/O-Ring, 1 $\frac{1}{16}$ "-12 Male JIC To O-Ring
10	G6408-12	2	Plug W/O-Ring, 1 $\frac{1}{16}$ "-12 O-Ring
11	G6408-10 GR1466	2	Plug W/O-Ring, $\frac{7}{8}$ "-14 O-Ring
12	G6801-LL-10 GR1466	1	X-Long Elbow W/O-Ring, 90°, $\frac{7}{8}$ "-14 Male JIC To O-Ring
		-	O-Ring

(IP1700)



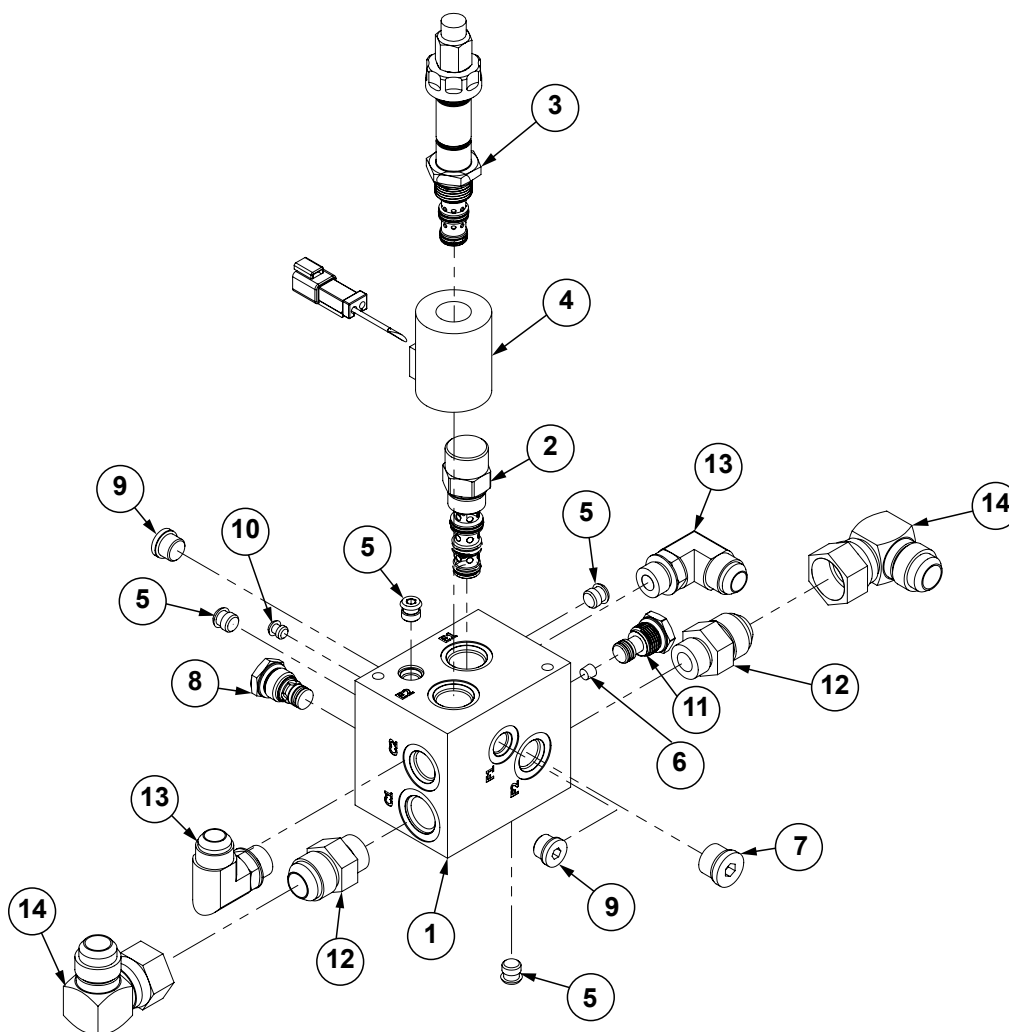
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10053801	1	Adjustable Flow Control Valve
2	G6801-08	1	Elbow W/O-Ring, 90°, ¾"-16 Male JIC To O-Ring
	GR1037	-	O-Ring
3	GD29321	2	Plug
4	G10169701	1	Hydraulic Manifold Block

(105241)



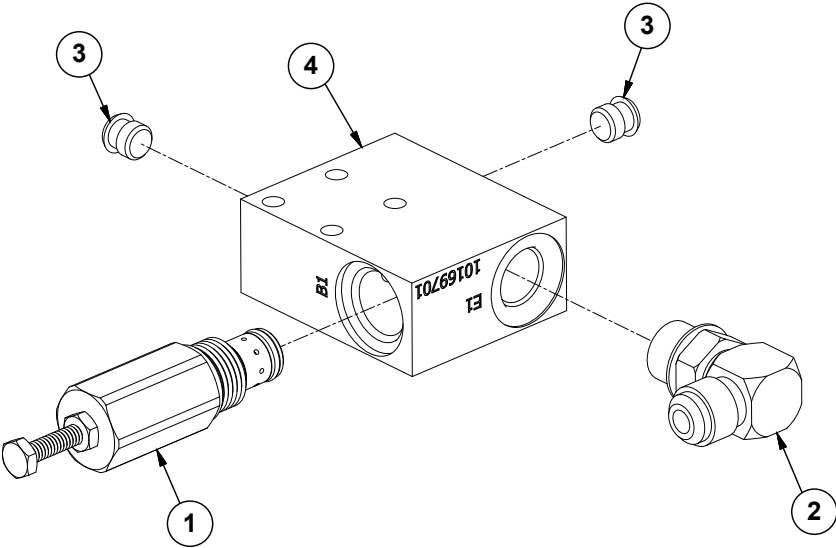
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD30571	1	Bulk Fill Fan Valve Block
2	GA20271	1	Proportional Flow Control, 0-8 GPM
3	GA20272	1	Coil, 12VDC
4	GD29321	4	Plug
5	GD29315	1	Flow Restrictor Orifice, .015" Diameter
6	G6408-H08-0	1	Hex Socket Head Plug W/O-Ring, 3/4"-16
7	GA21067	1	Check Valve, No. 8
8	G6408-H06-O GR1045	2 -	Hex Socket Head Plug W/O-Ring, 9/16"-18 O-Ring O-Ring
9	GD29318	1	Plug
10	GD35422	1	Cavity Plug
11	6400-06-08 GR1037	1	Connector W/O-Ring, 9/16"-18 Male JIC To 3/4"-16 O-Ring O-Ring
12	6400-08-10 GR1466	2	Connector W/O-Ring, 3/4"-16 Male JIC To 7/8"-14 O-Ring O-Ring
13	G6801-06-08 GR1037	1	Elbow W/O-Ring, 90°, 9/16"-18 Male JIC To 3/4"-16 O-Ring O-Ring
14	G6500-08	1	Swivel Elbow, 90°, 3/4"-16 Male JIC To Female

(10382201)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GD30571	1	Bulk Fill Fan Valve Block
2	GA20270	1	Pressure Compensator, 150 PSI
3	GA20271	1	Proportional Flow Control, 0-8 GPM
4	GA20272	1	Coil, 12VDC
5	GD29321	4	Plug
6	GD29315	1	Flow Restrictor Orifice, .015" Diameter
7	G6408-H08-0	1	Hex Socket Head Plug W/O-Ring, 3/4"-16
8	GA21067	1	Check Valve, No. 8
9	G6408-H06-O GR1045	2 -	Hex Socket Head Plug W/O-Ring, 9/16"-18 O-Ring
10	GD29318	1	Plug
11	GD35422	1	Cavity Plug
12	G6400-12-10	1	Connector W/O-Ring, 1 1/16"-12 JIC To 7/8"-14 O-Ring
13	6801-10-08 GR1037	1 -	Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To 3/4"-16 O-Ring
14	G6500-12	1	Swivel Elbow, 90°, 1 1/16"-12 Male JIC To Female
15	6400-08-10 GR1466	1	Connector W/O-Ring, 3/4"-16 Male JIC To 7/8"-14 O-Ring
16	G6801-06-08 GR1037	1	Elbow W/O-Ring, 90°, 9/16"-18 Male JIC To 3/4"-16 O-Ring
17	G6500-08	1	Swivel Elbow, 90°, 3/4"-16 Male JIC To Female

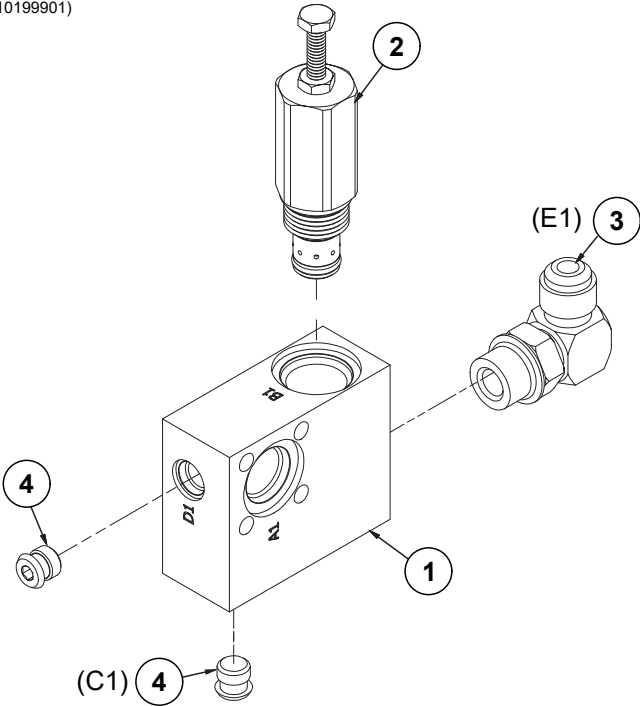
(IP1700)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G10053801	1	Adjustable Flow Control Valve
2	G6801-08 GR1037	1	Elbow W/O-Ring, 90°, ¾"-16 Male JIC To O-Ring O-Ring
3	GD29321	2	Plug
4	G10169701	1	Hydraulic Manifold Block

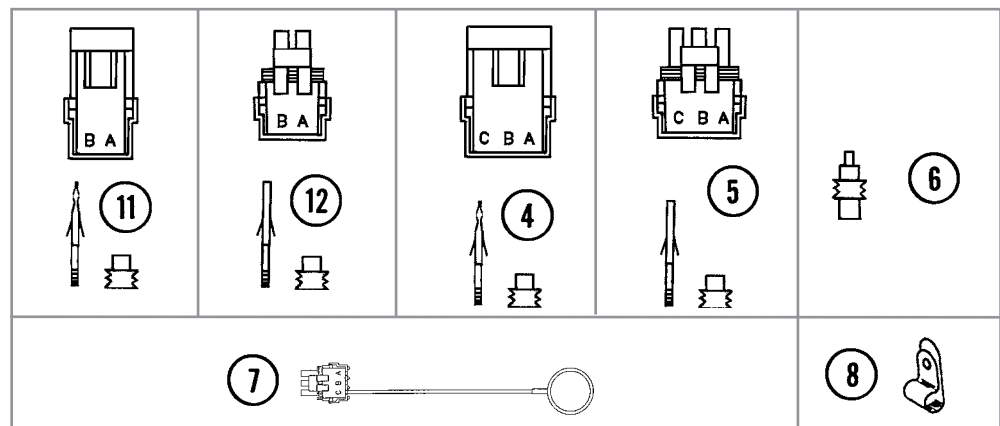
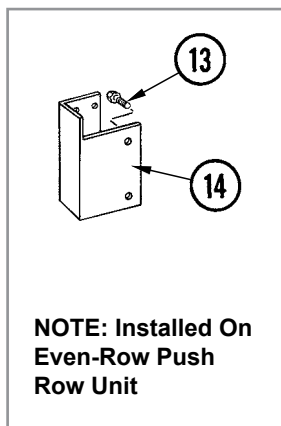
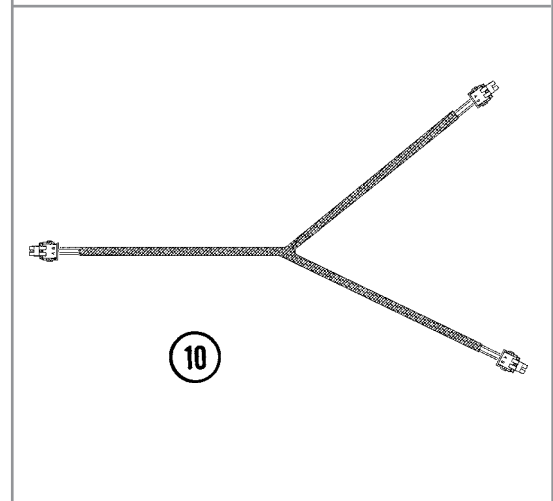
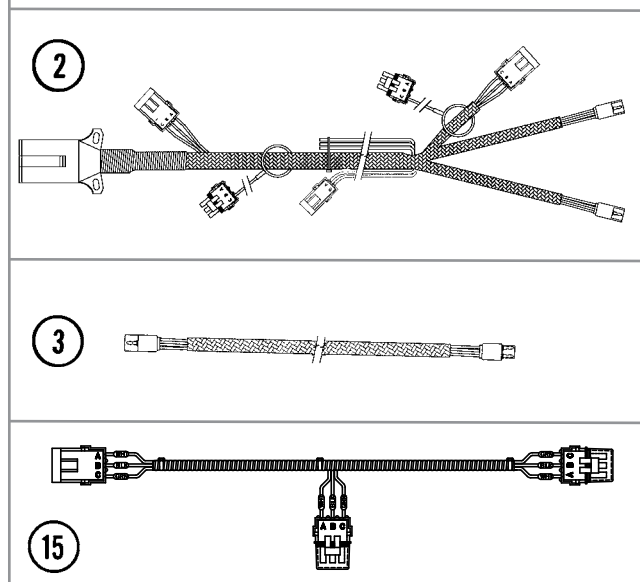
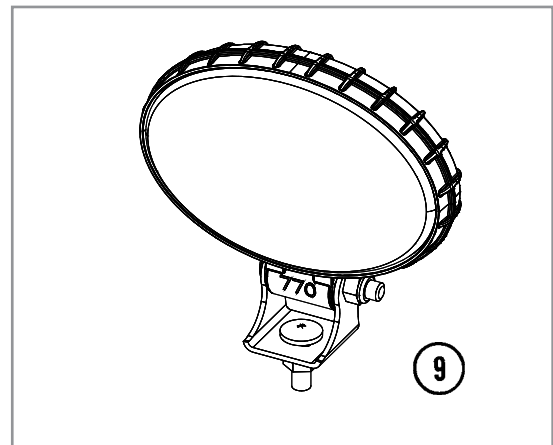
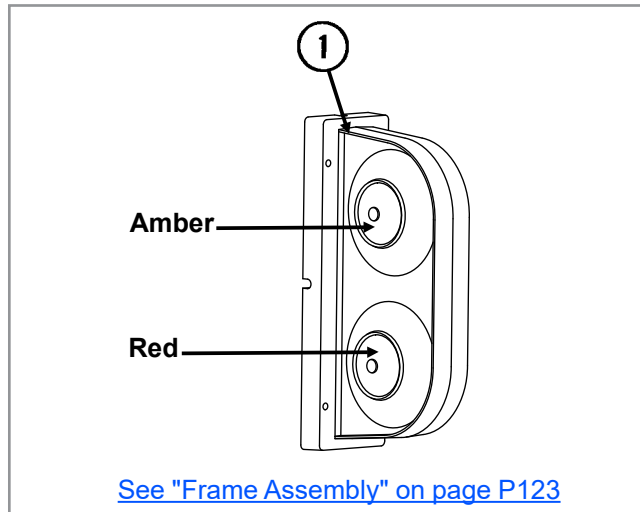
Power Pack Hydraulic Motor Valve Block

(10199901)



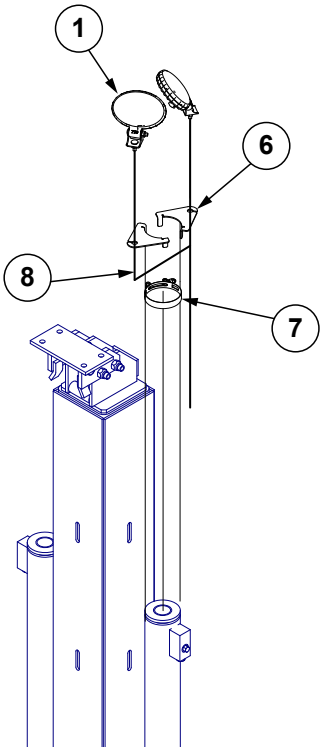
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10169701	1	Block
2	G10053801	1	Adjustable Flow Control Valve
3	G6801-08 GR1037	2 -	Elbow W/O-Ring, 90°, ¾"-16 Male JIC To O-Ring O-Ring
4	GD29321	2	Plug

(TWL23/A9152a/ELC38/MTR27i/MTR27a/ELC8/ELC39/A9689/A10924)

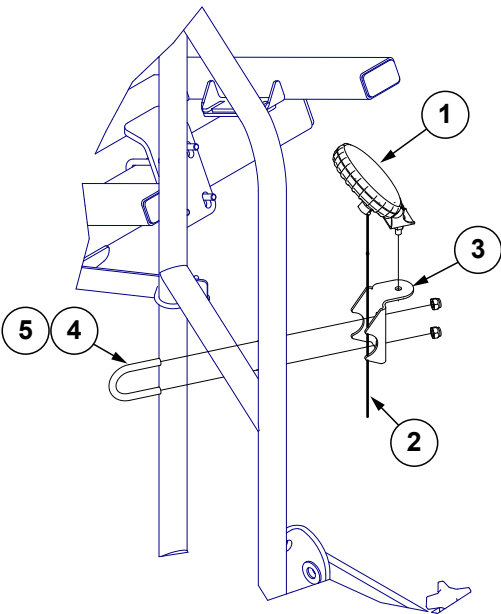


ITEM	PART NO.	QTY.	DESCRIPTION
1	G10842301	1	Double Light Assembly
	G10842401	1	Double Light Assembly (Shown)
2	GA9152	-	Wiring Harness W/7 Terminal Female Connector, 516" (2 Light Connections), 6 Row 30"
	GA9153	-	Wiring Harness W/7 Terminal Female Connector, 564" (2 Light Connections), 8 Row 30"
	GA5385	-	7 Terminal Female Connector (Included W/GA9152 and GA9153)
3	GA9096	2	Harness Extension, 42"
4	G1K248	-	3-Pin Female Connector Kit (Black), Includes: (3) 3-Pin Female Housings, (9) Pin Contacts, (9) Seals
5	G1K252	-	3-Pin Male Connector Kit (Black), Includes: (3) 3-Pin Male Housings, (9) Socket Contacts, (9) Seals
6	GD11089	-	Sealing Plug
7	GA8047	-	Dust Plug (Black)
8	GD6291	1-2	Insulated Clamp, 3/8"
	GD22965	-	Insulated Clamp, 1/4"
	G11091	-	Serrated Flange Nut, 3/8"-16
9	GA18486	2	Work Light Assembly
	GR1923	-	Bulb H3-55W
10	GA10924	1	Wiring Harness, 348"
11	G1K321	-	2-Pin Female Connector Kit (Black), Includes: (3) 2-Pin Female Housings, (6) Pin Contacts, (6) Seals
12	G1K320	-	2-Pin Male Connector Kit (Black), Includes: (3) 2-Pin Male Housings, (6) Socket Contacts, (6) Seals
13	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
	G10229	2	Lock Washer, 3/8"
	G10101	2	Hex Nut, 3/8"-16
14	GA9130	1	Push Row Unit Light Bracket
15	GA13551	-	Tee Junction Harness

(A24505/A24506)



Conventional

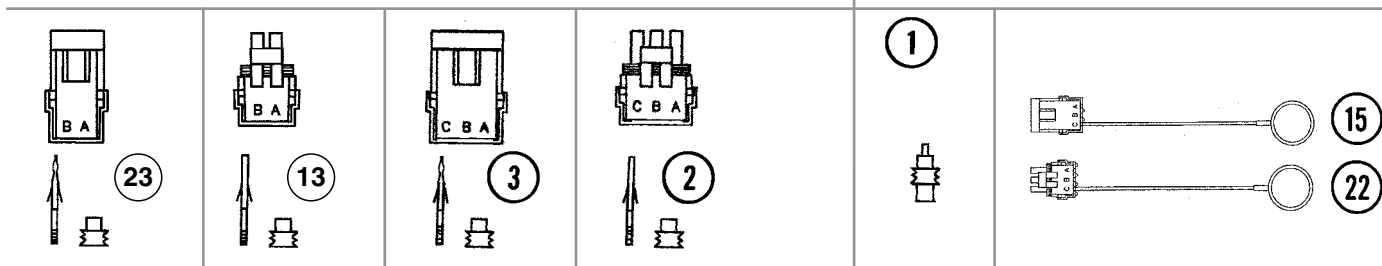
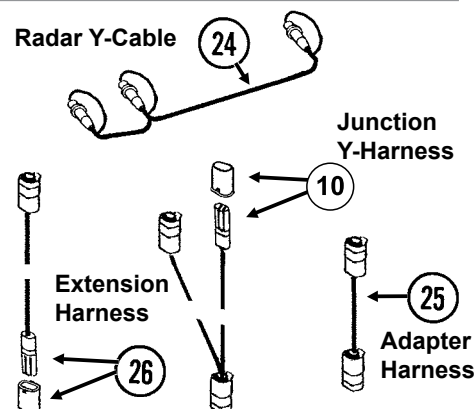
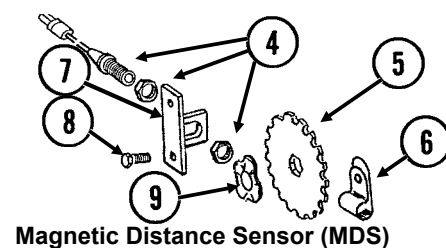
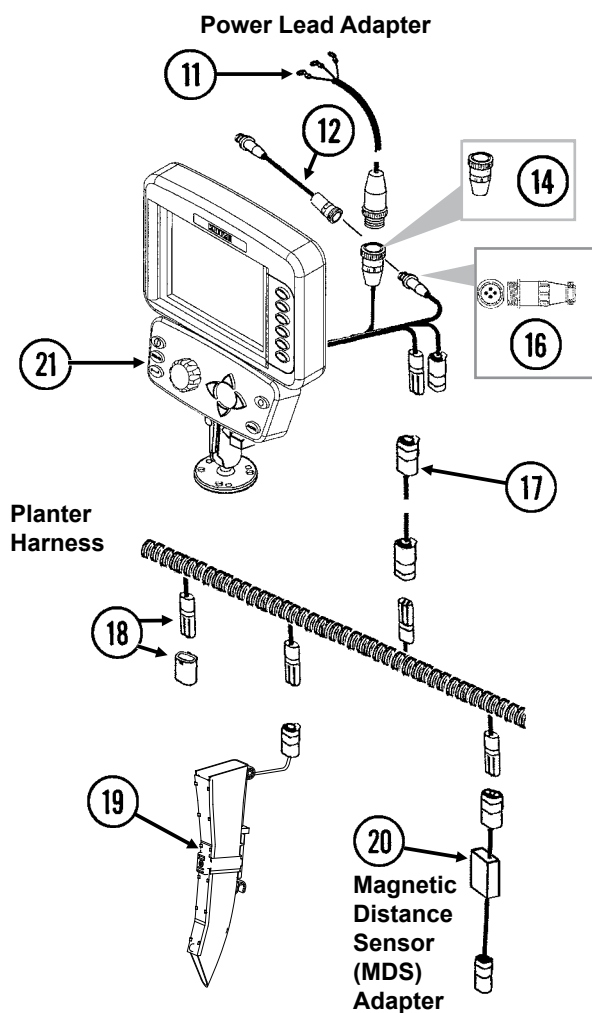


Bulk Fill

ITEM	PART NO.	QTY.	DESCRIPTION
1	GA18486	2	LED Work Light Assembly
2	GA24605	1	Work Light Wire Harness
3	GD26989	2	Work Light Bracket
4	GD27190	2	U-Bolt, 1½" x ⅜"-16
5	G11091	4	Serrated Flange Nut, ⅜"-16
6	GD16046	2	Bracket, 4¼" x 4"
7	G11160	1	T-Bolt Clamp, 3¾", Stainless Steel
8	GA24501	1	Work Light Wire Harness

This page left blank intentionally.

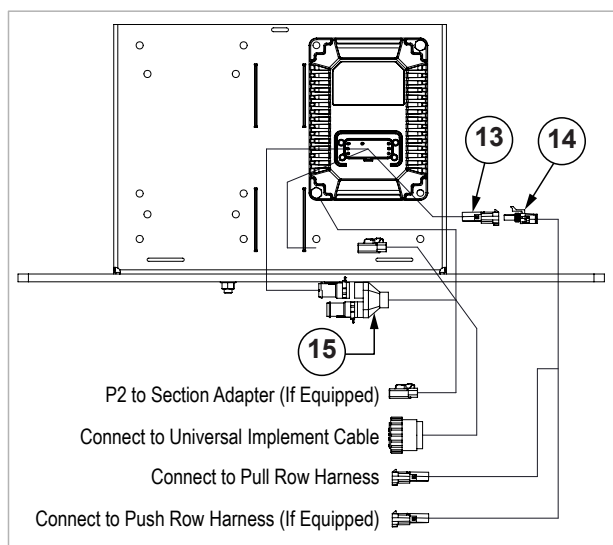
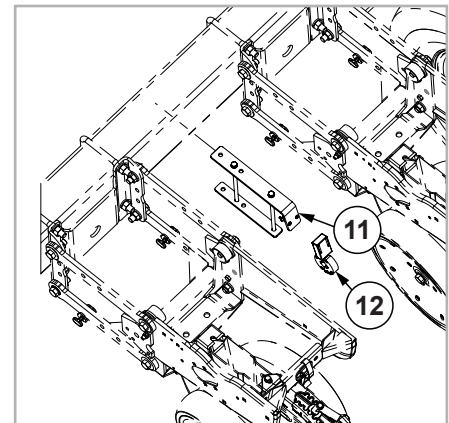
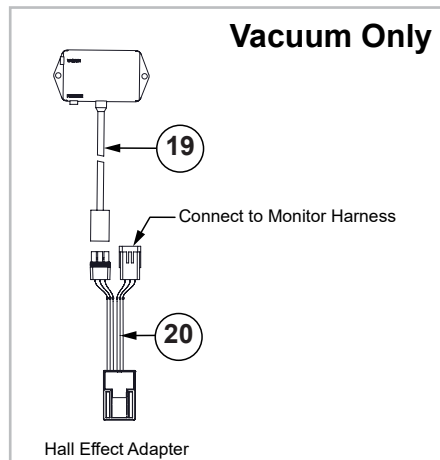
(MTR58)



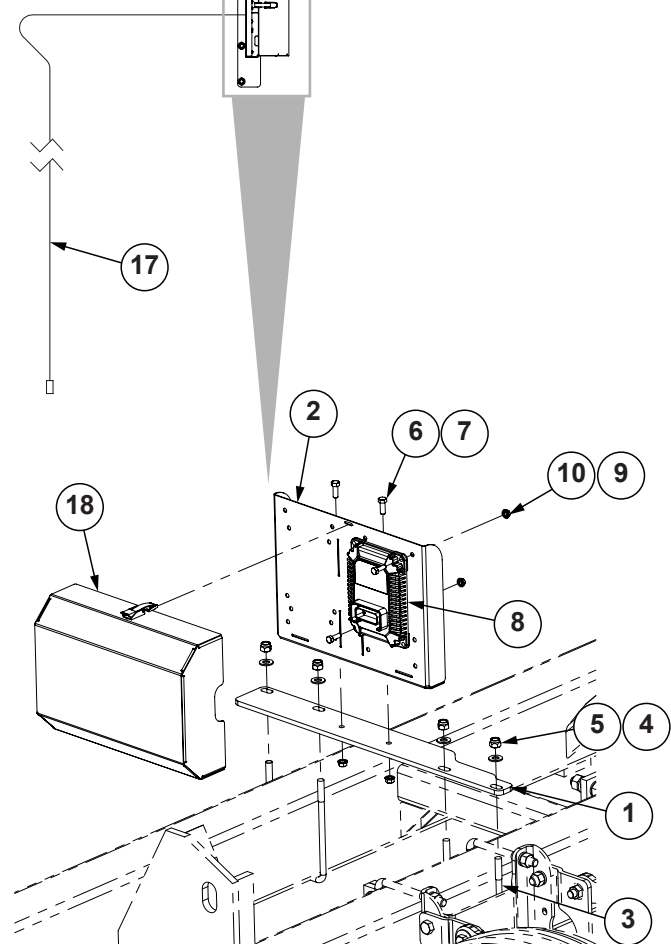
ITEM	PART NO.	QTY.	DESCRIPTION
1	GD11089	-	Sealing Plug
2	G1K252	-	3-Pin Male Connector Kit (Black), Includes: (3) 3-Pin Male Housings, (9) Socket Contacts, (9) Seals
	G1K363	-	3-Pin Male Connector Kit (Blue), Includes: (3) 3-Pin Male Housings, (9) Socket Contacts, (9) Seals
3	G1K248	-	3-Pin Female Connector 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
4	GA5600	1	Magnetic Distance Sensor
5	GD8751	-	Magnetic Distance Sensor Pulse Wheel
6	GD13348	-	Insulated Clamp, 11/16"

ITEM	PART NO.	QTY.	DESCRIPTION
7	GD8770	1	Bracket
8	G11124	2	Hex Serrated Flange Cap Screw, 3/8"-16 x 1"
	G10229	2	Lock Washer, 3/8"
	G10101	2	Hex Nut, 3/8"-16
9	GD8771	1	Spring Wave Washer
10	GA7853	-	Junction Y-Harness W/Dust Cap
	GB1090	-	Dust Cap (Included W/GA7853)
11	GA17547	1	Power Adapter Cable
12	GA9144	-	Monitor/Radar Adapter Cable, 10"
13	G1K320	-	2-Pin Male Connector Kit (Black), Includes: (3) 2-Pin Male Housings, (6) Socket Contacts, (6) Seals
14	G1K268	-	Console Cable Connector Kit, Includes: (1) Cable Clamp, (1) 3-Pin Connector, (1) Lock Ring, (3) Female Terminal Pins
15	GA8046	-	Dust Plug (Black)
	GA9978	-	Dust Plug (Blue)
16	G1K322	-	4-Pin Connector Kit W/Male Housing, Includes: (4) Female Socket Contacts And (1) Cable Clamp
17	---	-	Included In Light Wiring Harness, See Item 2, page P199
18	GA8021	-	Planter Harness W/Dust Caps, 4 Row (7 Connectors)
	GA8022	-	Planter Harness W/Dust Caps, 6 Row (9 Connectors) (6 Row Mechanical)
	GA7850	-	Planter Harness W/Dust Caps, 8 Row (12 Connectors)
	GB1090	-	(6 Row Vacuum and 8 Row Mechanical/Vacuum) Dust Cap (Included W/GA8021, GA8022, and GA7850)
19	G10745401	-	Seed Tube W/Computerized Sensor
	GA20902	-	Seed Tube (With Holes For Sensor Installation)
20	GA7859	1	Magnetic Distance Sensor Adapter (Analog To Digital)
21	8647x	1	KPM III Backlit Console W/Brush (Item 23), Dust Plug (Item 22), Console Mounting Bracket Hardware And Power Harness
	GA12403	-	Mounting Bracket Assembly, Includes: (2) Mounting Brackets, (2) Connector Halves, (1) Compression Spring, (1) Tension Knob, (1) 1/4"-20 x 1 3/4" Hex Head Cap Screw, (1) 1/4" Plastic Washer, (1) 1/4" Steel Washer
	GR1762	-	Console Mounting Bracket Hardware Package, Includes: (3) No. 10-32 x 5/8" Hex Socket Pan Head Plated Screws, (3) 1/4" Plated Lock Washers
	GA16082	-	KPM III Console Power Harness
22	GA8047	-	Dust Plug (Black)
	GA9978	-	Dust Plug (Blue)
23	G1K321	-	2-Pin Female Connector Kit (Black), Includes: (3) 2-Pin Female Housings, (6) Pin Contacts, (6) Seals
24	GR0586	1	Radar Y-Cable (Used To Connect Radar Distance Sensor For Multiple Functions)
25	GA7857	-	Adapter Harness, 1'
26	GA7854	-	Extension Harness W/Dust Cap, 15'
	GA7855	-	Extension Harness W/Dust Cap, 30'
	GB1090	-	Dust Cap (Included W/GA7854 and GA7855)
A	GA6147	-	Magnetic Distance Sensor And Mounting Package (Items 4-9)
B	GR1763	-	KPM III Loaner (Display Only)

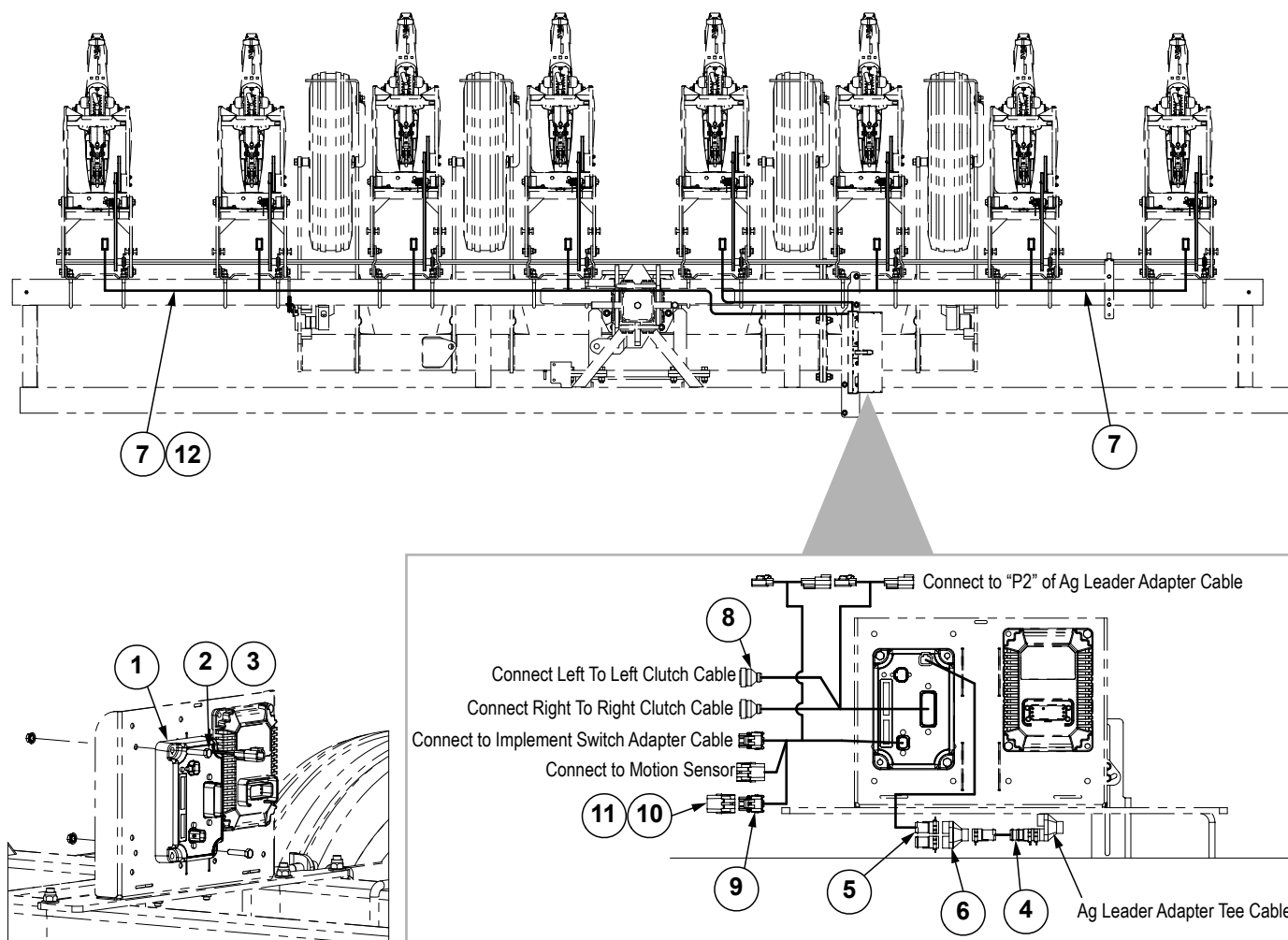
(10385601)



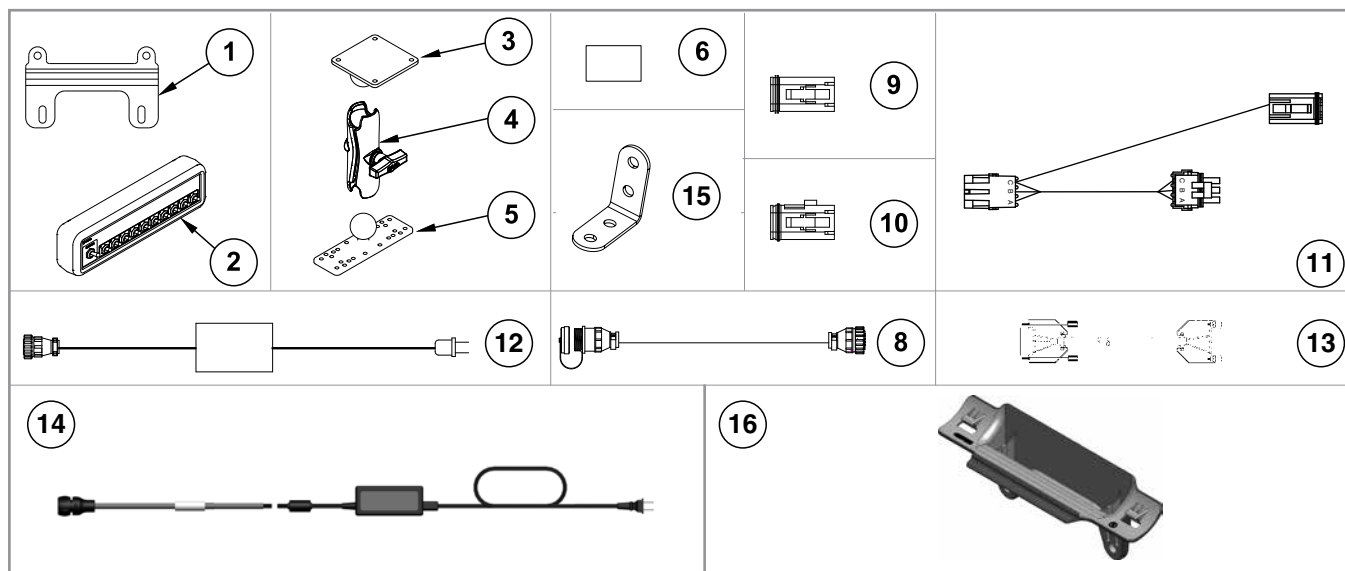
Wire Diagram



ITEM	PART NO.	QTY.	DESCRIPTION
1	GD36928	1	Mounting Plate
2	G10379601	1	PMM Mount
3	GD8306	2	U-Bolt, 7" x 5" x 1/2"-13
4	G11389	4	Flat Washer, 1/2" Plated SAE
5	G10111	4	Lock Nut, 1/2"-13
6	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
7	G10622	2	Serrated Flange Nut, 3/8"-16
8	GA16351	1	Planter Monitor Module
9	G10019	2	Hex Head Cap Screw, 5/16"-18 x 1"
10	G10620	2	Serrated Flange Nut, 5/16"-18
11	---	1	See "Shaft Rotation Sensor" on page P211
12	---	1	See "Shaft Rotation Sensor" on page P211
13	GA12557	1	Planter Monitor Module Cable
14	GA7853 GB1090	1 -	Junction Y-Harness W/Dust Cap Dust Cap
15	GA17544	1	Ag Leader Adapter Cable
16	GA7850 GB1090	1 -	Planter Harness W/Dust Caps, 8 Row (12 Connectors) Dust Cap
17	GA17542	1	Universal Implement Cable, 520"
18	GA25413	1	PMM Cover
19	GA14847	1	Low Pressure Sensor (0-40 IN H2O)
20	GA12812	1	Hall Effect Adapter



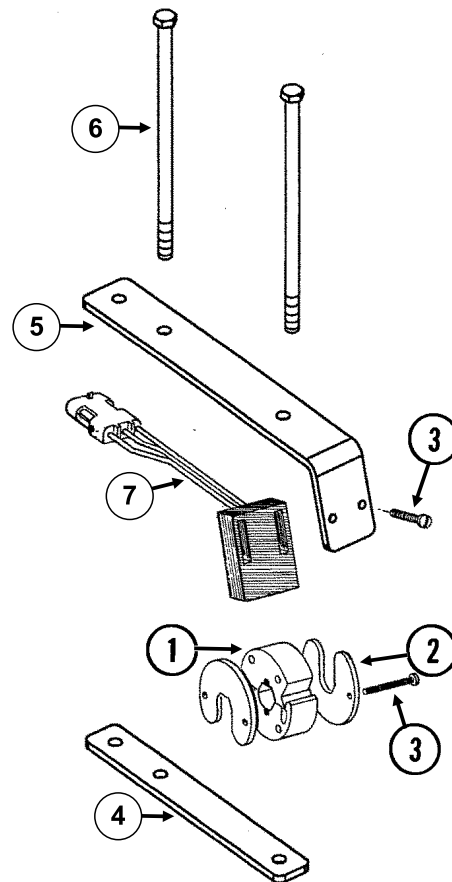
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA12537	1	Clutch Control Module
2	G10133	2	Hex Head Cap Screw, $\frac{5}{16}$ "-18 x $1\frac{1}{2}$ "
3	G10620	2	Serrated Flange Nut, $\frac{5}{16}$ "-18
4	GA12559	1	Can Extension Cable, 5"
5	GA12558	1	Can Stub Cable, 8"
6	GD18176	1	Y-Splice Connector
7	G10337701	2	12V Clutch Harness, 8 Row
8	G10401101	1	Section Adapter Cable, 8 Row (2 Row)
9	GA16826	1	Implement Switch Extension Cable
10	GD11079	1	3 Pin Receptacle, Black
11	GD11089	3	Sealing Plug
12	GA26007	8	2 Wire Extension Harness, 54" (Only Used W/Split Row)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GR2279	1	Switch Box Bracket
	G12103	4	Lock Washer, M6
	G12212-08	4	Phillips Pan Head Machine Screw, M6-1.0 x 8, Grade 2
2	GA12539	1	Switch Box Module, 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
7	---	-	---
8	GA13562	1	Cable Extension, 180"
9	GR1838	1	Dust Plug
10	GR1839	1	Dust Plug
11	GA13572	1	Multi-Product Cable
12	GA12852	1	Power Supply
13	GA12853	1	Null Modem Cable
14	GA24649	1	Power Supply (InCommand)
15	G11125001	-	Switch Box Angle Bracket, InCommand Go
16	G11125201	-	Switchbox Quick Attach Bracket, InCommand Go
A	GA14448	-	Ram Mount Hardware Kit

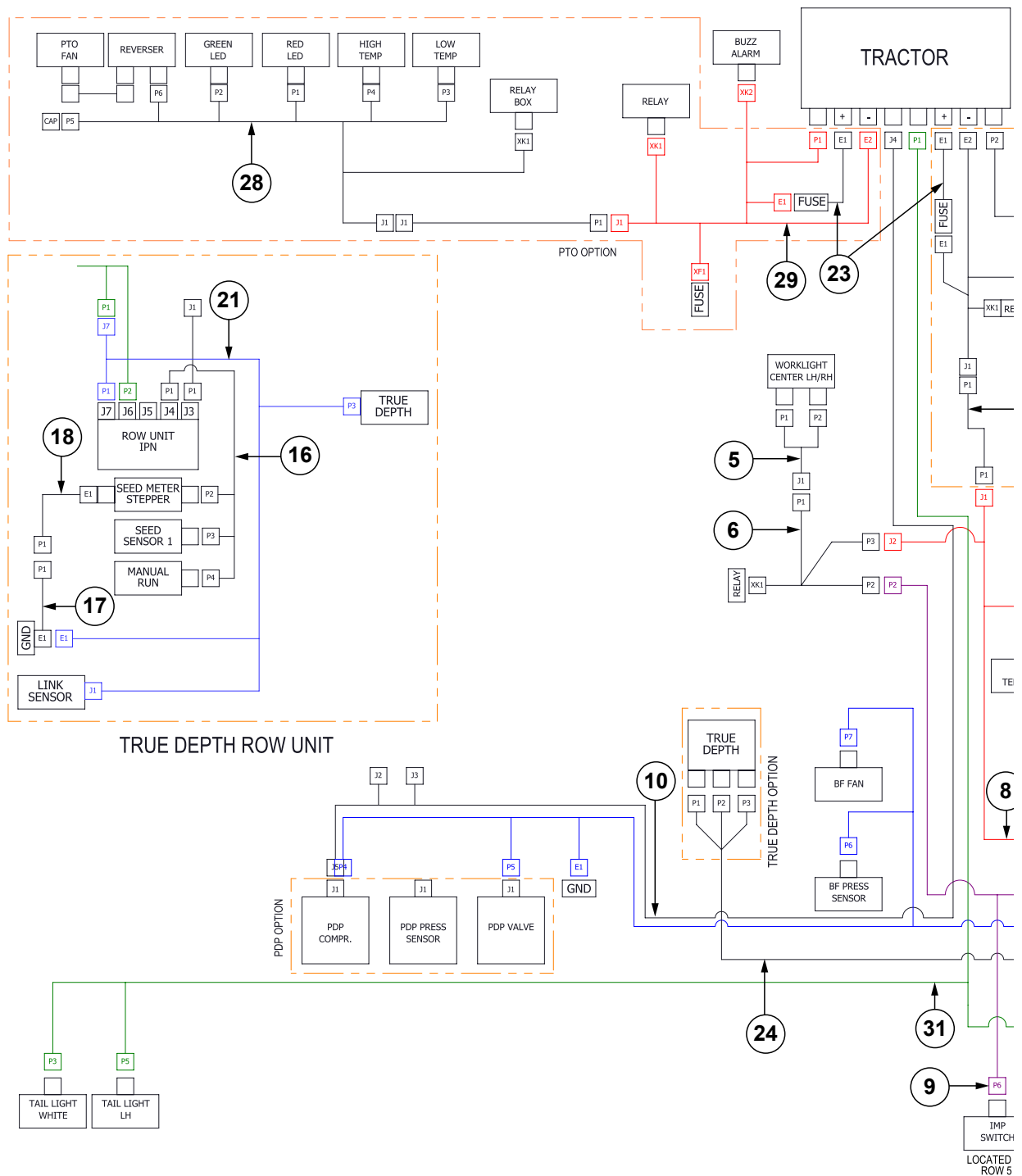


ITEM	PART NO.	QTY.	DESCRIPTION
1	G10428901	1	InCommand 1200 Display Cable (2021-2025 Production)
	G11126901	1	InCommand Go Display Cable (2026 Production and On)
2	GA12596	1	Radar Adapter Cable
3	GA14450	1	CAN Adapter Cable
4	GA14452	1	Power Cable, InCommand 1200 (2021-2025 Production)
	G11126701	1	Power Cable, InCommand Go (2026 Production and On)
5	GA12598	1	Seed Rate Power Cable, InCommand 1200 (2021-2025 Production)
	G11126801	1	Seed Rate Power Cable, InCommand Go (2026 Production and On)
6	GA7850	1	Planter Harness W/Dust Caps, 8 Row (12 Connectors)
	GB1090	-	Dust Cap
7	GA7853	1	Junction Y-Harness W/Dust Cap
	GB1090	-	Dust Cap
8	GA12812	1	Hall Effect Adapter
9	GA12557	2	Planter Monitor Module Cable
10	GA17544	2	Ag Leader Adapter Cable
11	GA17542	1	Universal Implement Cable, 520"
12	GA12559	1	Can Extension Cable, 5"
13	GA16826	1	Implement Switch Extension Cable
14	G10337701	1	12V Clutch Harness, 8 Row
15	GA16393	7	Split Row Cable (2 Rows)
16	---	---	---
17	G10401101	1	Section Adapter Cable, 8 Row (2 Row)
18	G10192101	1	Implement Switch Adapter Harness
19	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

This page left blank intentionally.

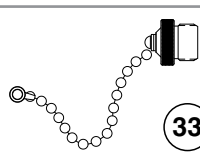


32

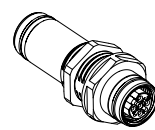


Torque Driver,
M12, Includes: (1)
Interchangeable Blade,
(1) Torque Handle, (1)
Setting Aid, (1) M12
Attachment

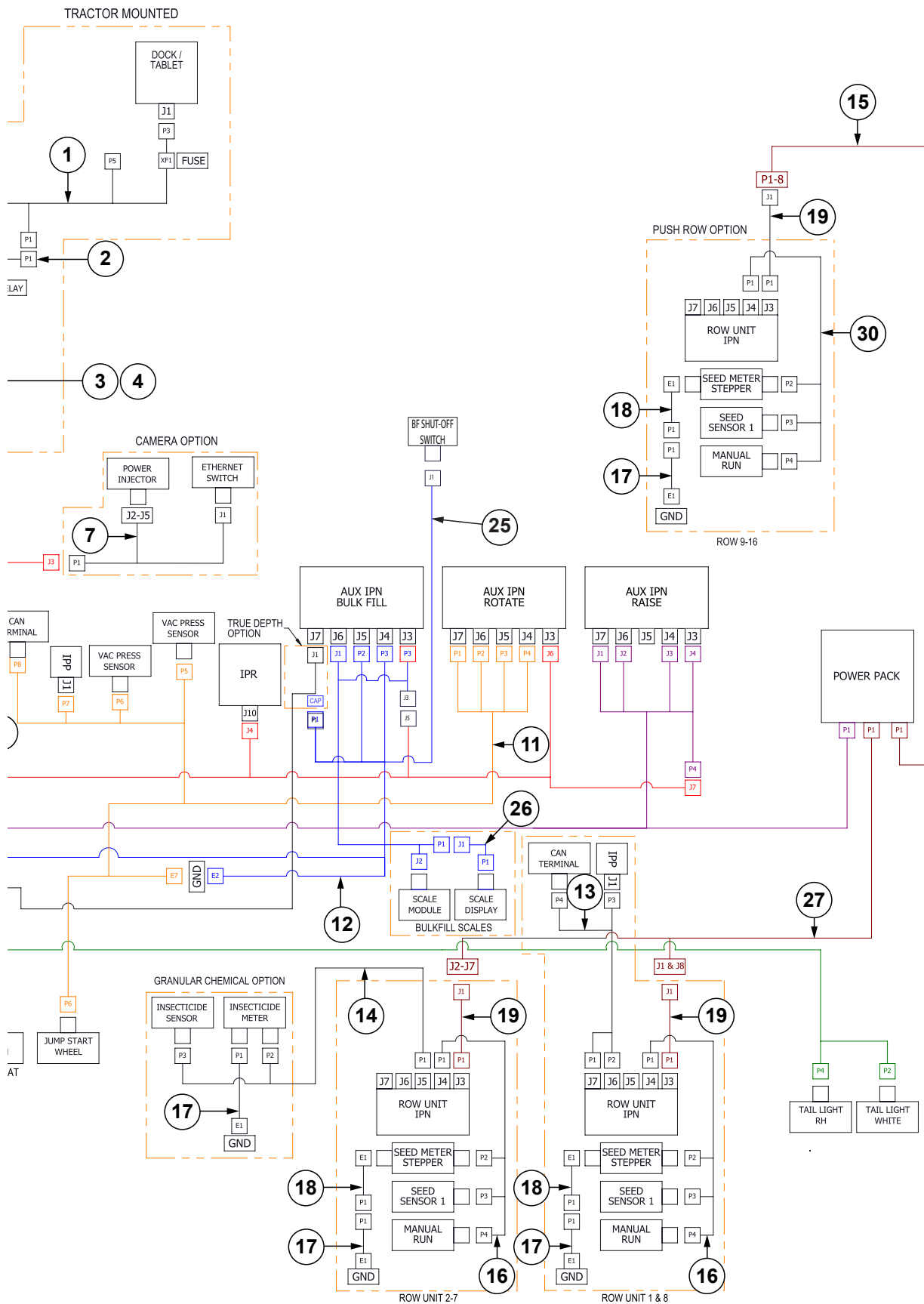
NOTE: Torque ethernet cables to 0.7 N-m.



33

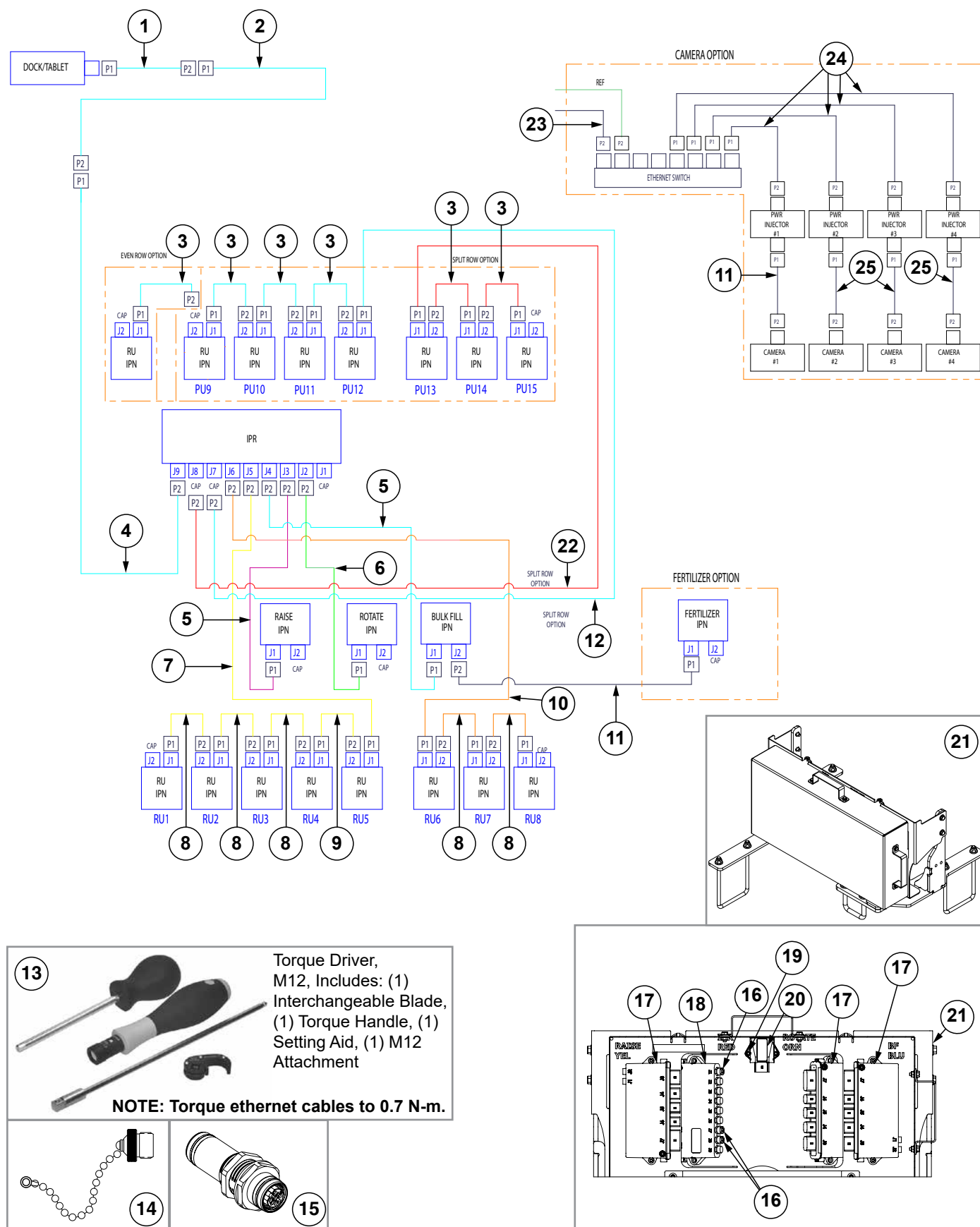


34



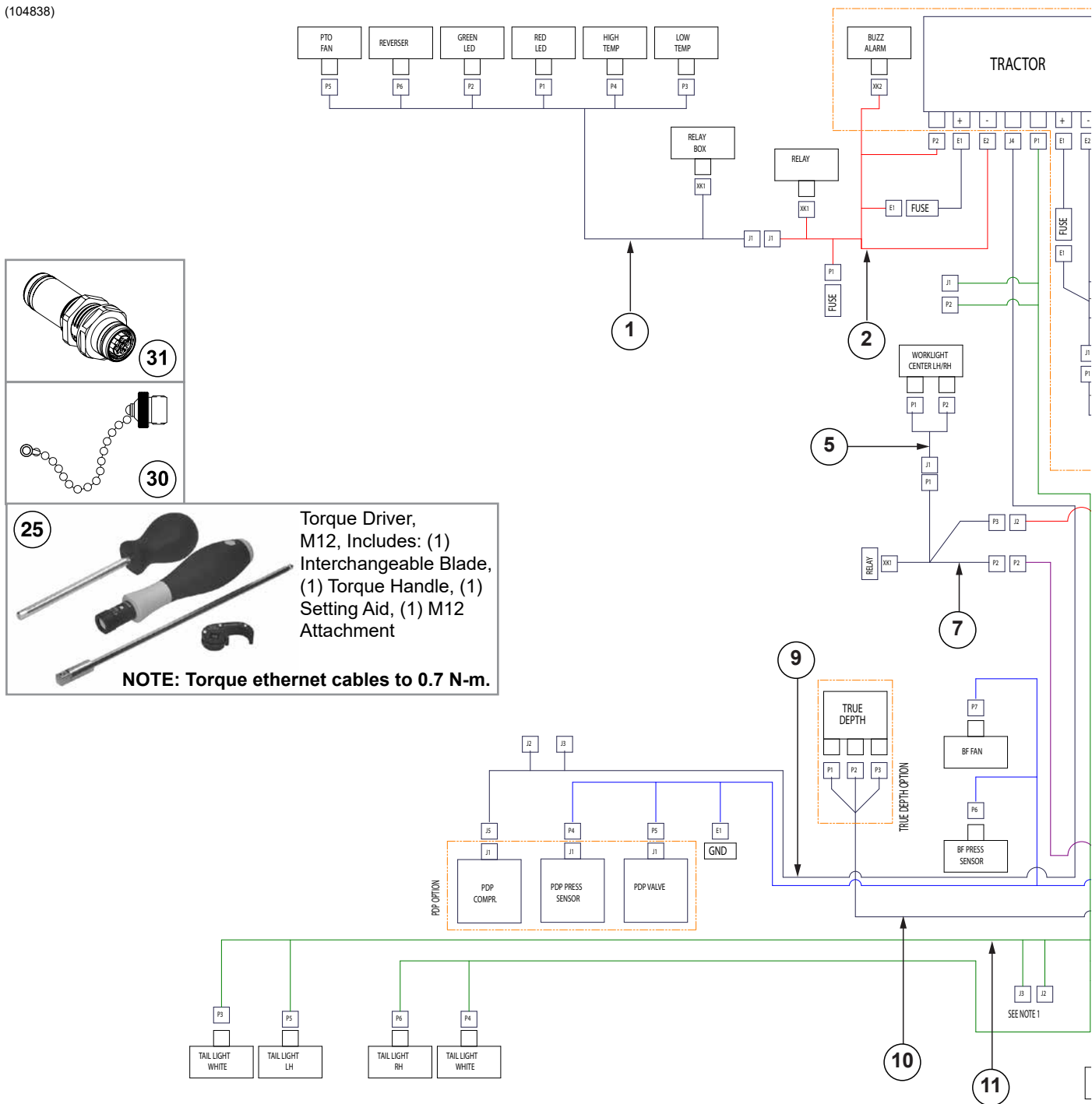
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25031	1	Tractor Console Harness
2	G10211901 G11143701	1 -	Tractor Power Harness Relay-Picker, 5 Pin 80 A
3	G10060901	1	Tractor Power Harness Extension, 10'
4	G10060902	1	Tractor Power Harness Extension, 16'
5	GA26885	1	Work Light Harness
6	GA22547	1	Work Light Relay Harness
7	G10269201	1	Camera Power Harness
8	G10331601	1	3505 AUX IPN 12 Volt Power Harness
9	G10331401	1	3505 Raise IPN Harness
10	GA16391	1	Compressor Harness, 40'
11	G10074801	1	Rotate Harness
12	G11119301	1	Bulk Fill PDP Harness
13	GA25214	1	IPP Harness, Wing
14	GA22522	1	Insecticide Harness
15	G10331701	1	Split Row Row Unit Power Harness
16	GA25038	3	Row Unit Seed Meter Harness
17	GA21451	4	Seed Meter Motor ESD Drain Harness
18	GA20711	4	Seed Meter Motor ESD Drain Harness
19	GA25029	3	Row Unit Power Extension Harness
20	---	---	---
21	GA26709	1	Integrated True Depth Row Unit Harness
23	G10049501	1	Tractor Battery Connection Harnees and Fuse Kit
24	G10337001	1	Integrated True Depth Harness
25	G10242801	1	Bulk Fill Scale CAN Cable PHD28
26	G10946702	1	CAN Stub Harness
27	G10331501	1	24V Row Unit Power Harness
28	G10649801	1	PTO Harness
29	G10724901	1	PTO Tractor Power Harness
30	GA25039	1	Row Unit Seed Meter Harness
31	GA26375	1	Light Harness, 16 Row
32	GA26173	-	Torque Driver, M12, Includes: (1) Inerchangeable Blade, (1) Torque Handle, (1) Setting Aid, (1) M12 Attachment
33	GD35420	-	M12 Ethernet Cap W/Chain
34	GA22585	-	Bulkhead, FEM-FEM M12x1

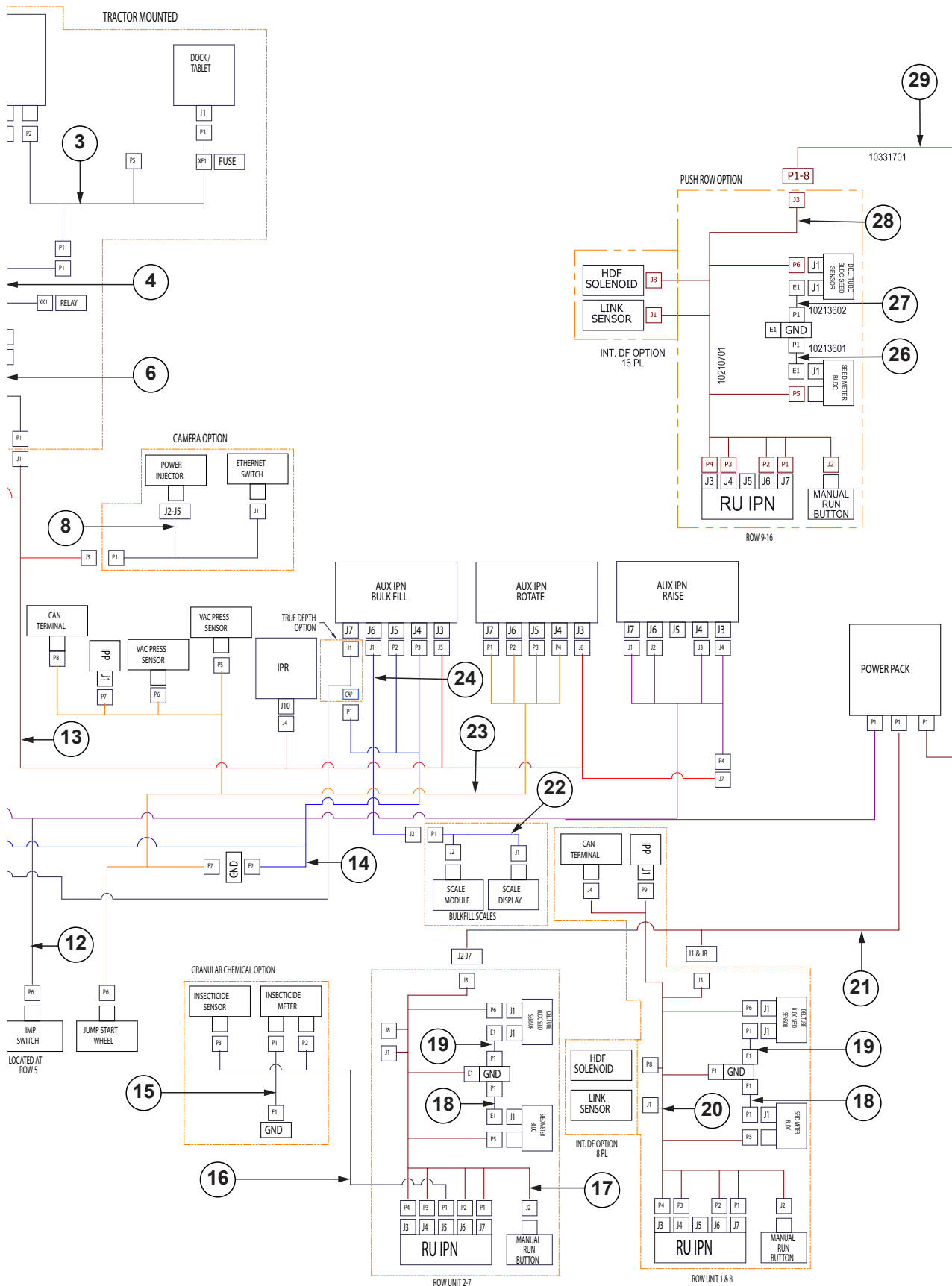
This page left blank intentionally.



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25399-36	1	Ethernet Cable (RJ45-Female M12 STR), 36"
2	GA22554-265	1	Ethernet Cable (M12 STR-M12 STR), 265"
	GA22554-375	1	Ethernet Cable (M12 STR-M12 STR), 375"
3	GA24487-100	6	Ethernet Cable (M12 RA-M12 RA), 100"
4	GA22554-325	1	Ethernet Cable (M12 STR-M12 STR), 325"
5	GA22555-20	1	Ethernet Cable (M12 RA-M12 STR), 20"
6	GA24488-27	1	Ethernet Cable (M12 RA-M12 STR), 27"
7	GA22555-94	2	Ethernet Cable (M12 RA-M12 STR), 96"
8	GA22556-91	5	Ethernet Cable (M12 RA-M12 RA), 91"
9	GA22556-100	1	Ethernet Cable (M12 RA Special-M12 RA Special) x 100"
10	GA22555-94	1	Ethernet Cable (M12 RA-M12 STR), 96"
11	GA22554-120	2	Ethernet Cable (M12 STR-M12 STR), 120"
12	GA24488-96	1	Ethernet Cable (M12 RA-M12 STR), 96"
13	GA26173	-	Torque Driver, M12, Includes: (1) Interchangeable Blade, (1) Torque Handle, (1) Setting Aid, (1) M12 Attachment
14	GD35420	-	M12 Ethernet Cap W/Chain
15	GA22585	-	Bulkhead, FEM-FEM M12x1
16	GD30726	2	Socket Dust Cover, M12
17	GA25949	1	IPN Module Assembly
18	GA25950	1	IPR Module Assembly
19	G10252	1	Hex Socket Head Cap Screw, 1/4"-20 x 7/8", Grade 8
20	GA21687	2	IPP Module Assembly
21	G10019001	1	Module Mount Assembly
22	GA24488-64	1	Ethernet Cable (M12 RA-M12 STR), 64"
23	GA22554-36	1	Ethernet Cable, CAT 5 (M12 STR - M12 STR) x 36"
24	GA22554-20	4	Ethernet Cable, CAT 5 (M12 STR - M12 STR) x 20"
25	GA22554-360	3	Ethernet Cable, CAT 5 (M12 STR - M12 STR) x 360"

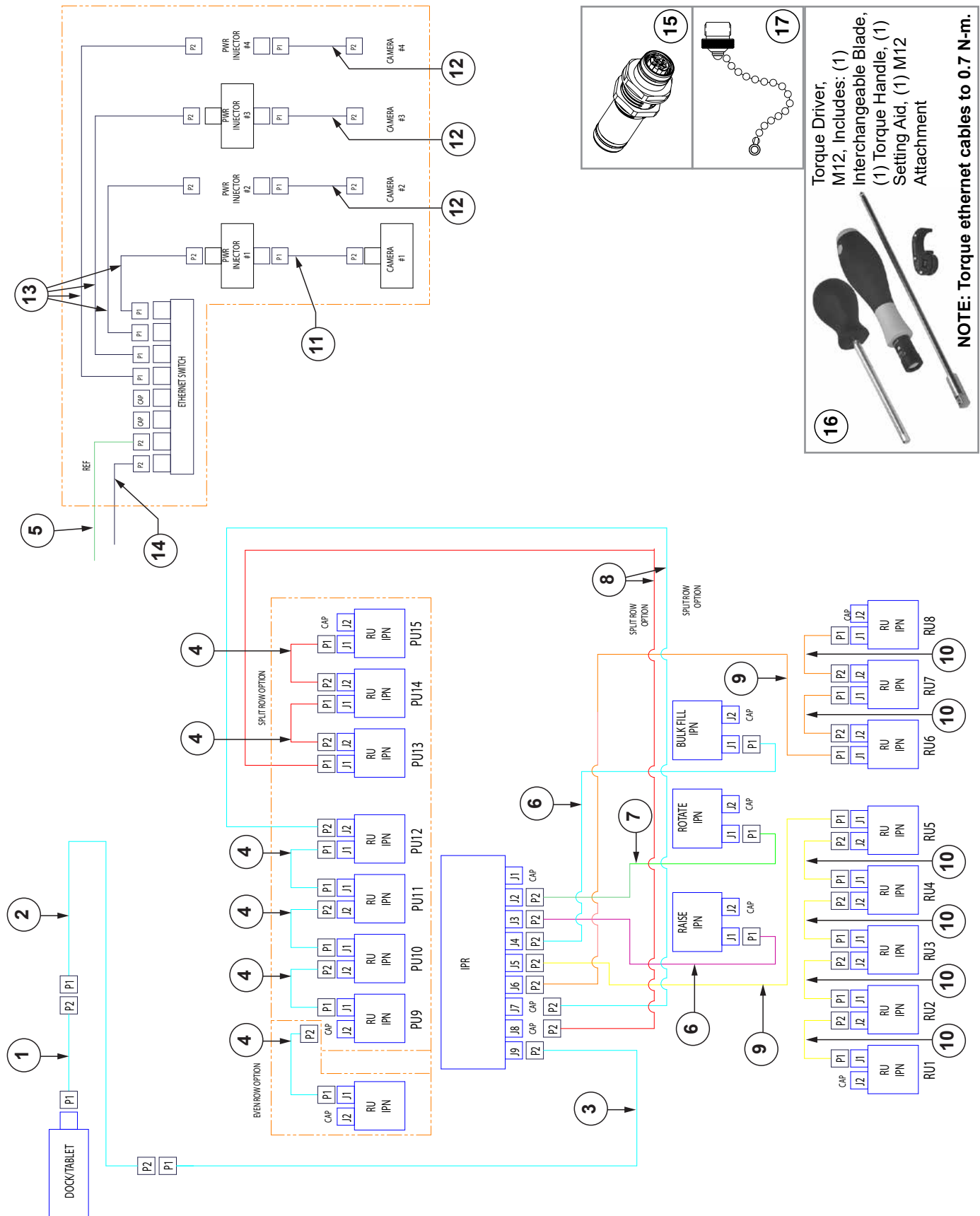
(104838)





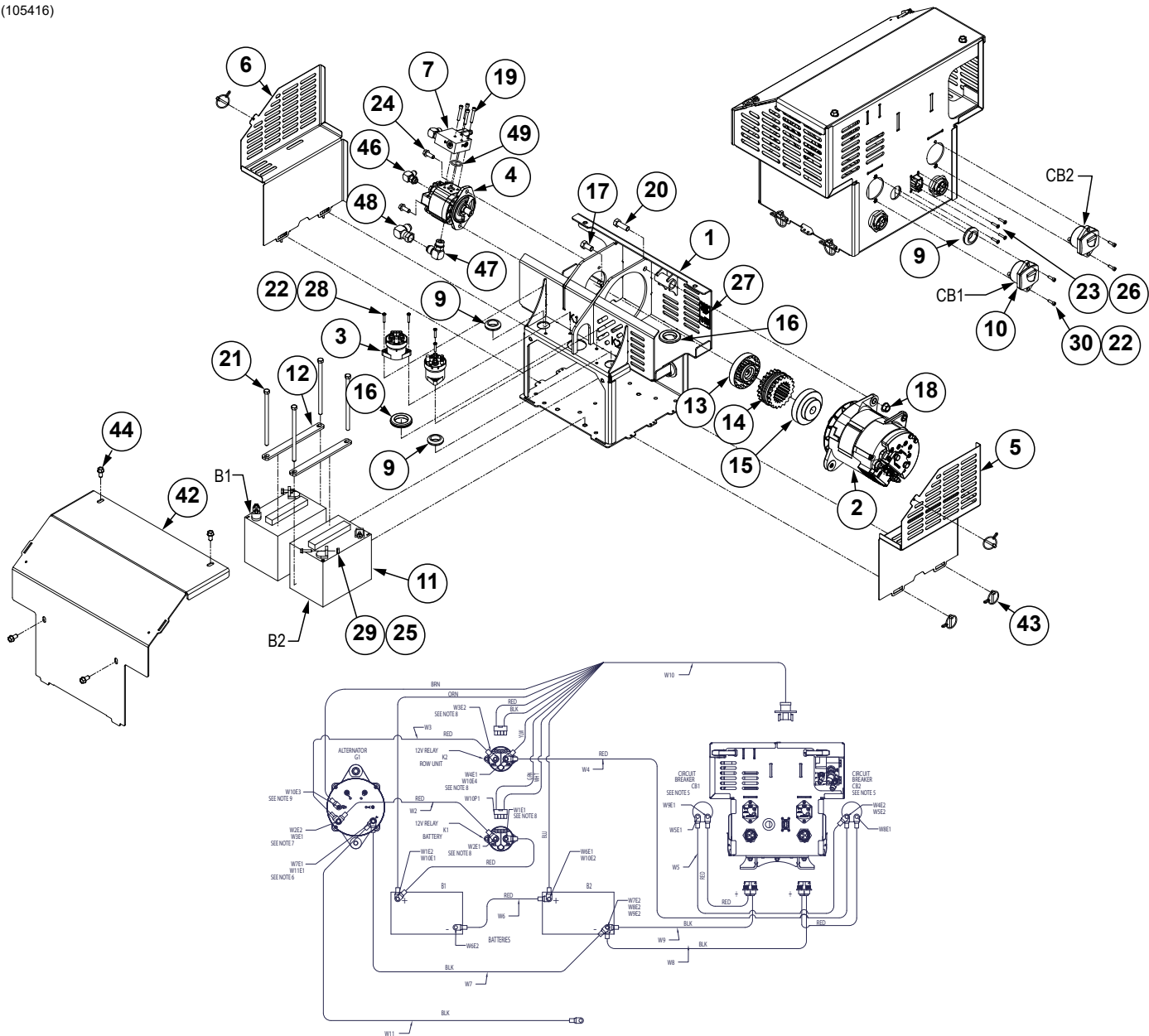
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10649801	1	PTO Harness, 3K
2	G10724901	1	PTO Tractor Power Harness, 3K
3	GA25031	1	Tractor Console Harness
4	G10211901	1	Tractor Power Harness
	G11143701	-	Relay-Picker, 5 Pin 80 A
5	GA26885	1	Work Light Harness
6	G10060901	1	Tractor Power Harness Extension, 10'
	G10060902	-	Tractor Power Harness Extension, 16'
7	GA22547	1	Work Light Relay Harness
8	G10269201	1	Camera Power Harness
9	GA16391	1	Compressor Harness, 40'
10	G10337001	1	Integrated True Depth Harness
11	GA9153	1	Wiring Harness W/7 Terminal Female Connector, 564" (2 Light Connections)
	GA5385	-	7 Terminal Female Connector
12	G10331401	1	3505 Raise IPN Harness
13	G10331601	1	3505 AUX IPN 12 Volt Power Harness
14	G11119301	1	Bulk Fill PDP Harness
15	GA20712	1	Row Unit ESD Drain Harness
16	GA22522	1	Insecticide Harness
17	G10210801	-	True Speed 3K Pull Row Unit Harness
18	G10213601	-	True Speed ESD Ground Strap Harness
19	G10213602	-	True Speed ESD Ground Strap Harness
20	G10210901	-	True Speed 3K Row Unit Harness W/IPP
21	G10331501	1	24V Row Unit Power Harness, 3505
22	G10242801	1	Bulk Fill Scale CAN Cable PHD28
23	G10074801	1	Rotate Harness
24	G10946702	1	CAN Stub Harness
25	GA26173	-	Torque Driver, M12, Includes: (1) Interchangeable Blade, (1) Torque Handle, (1) Setting Aid, (1) M12 Attachment
26	G10213601	-	True Speed ESD Ground Strap Harness
27	G10213602	-	True Speed ESD Ground Strap Harness
28	G10210701	-	True Speed Row Unit Harness
29	G10331701	-	Split Row Row Unit Power Harness
30	GD35420	-	M12 Ethernet Cap W/Chain
31	GA22585	-	Bulkhead, FEM-FEM M12x1

This page left blank intentionally.



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25399-36	1	Ethernet Cable (RJ45-Female M12 STR), 36"
2	GA22554-265	1	Ethernet Cable (M12 STR-M12 STR), 265"
	GA22554-375	-	Ethernet Cable (M12 STR-M12 STR), 375"
3	GA22554-325	1	Ethernet Cable (M12 STR-M12 STR), 325"
4	GA22556-91	6	Ethernet Cable (M12 RA-M12 RA), 91"
5	GA24488-27	1	Ethernet Cable (M12 RA-M12 STR), 27"
6	GA22555-27	2	Ethernet Cable (M12 RA-M12 STR), 27"
7	GA24488-27	1	Ethernet Cable (M12 RA-M12 STR), 27"
8	GA22555-90	2	Ethernet Cable (M12 RA Special-M12 STR), 90"
9	GA22555-110	2	Ethernet Cable (M12 RA Special-M12 STR), 110"
10	GA22556-134	6	Ethernet Cable (M12 RA Special-M12 RA Special), 134"
11	GA22554-120	1	Ethernet Cable (M12 STR-M12 STR), 120"
12	GA22554-360	3	Ethernet Cable, CAT 5 (M12 STR - M12 STR) x 360"
13	GA22554-20	4	Ethernet Cable, CAT 5 (M12 STR - M12 STR) x 20"
14	GA22554-36	1	Ethernet Cable, CAT 5 (M12 STR - M12 STR) x 36"
15	GA22585	-	Bulkhead, FEM-FEM M12x1
16	GA26173	-	Torque Driver, M12, Includes: (1) Interchangeable Blade, (1) Torque Handle, (1) Setting Aid, (1) M12 Attachment
17	GD35420	-	M12 Ethernet Cap W/Chain

(105416)



COMPONENT HOOKUP CHART							
ITEMS	REF DES	FROM	USED W/ ITEM	TO	USED W/ ITEM	COLOR	FUNCTION
32	W1	B1+	E2	K1A2-	E1	RED	PWR
45	W12	K1A1+	E1	GB1+	E2	RED	PWR
40	W3	GB1+	E1	K2A1+	E2	RED	PWR
33	W4	K2A2-	E1	CB2 LINE	E2	RED	PWR
34	W5	CB1 LINE	E1	CB2 LINE	E2	BLK	PWR
41	W6	B2+	E1	B1-	E2	RED	PWR
35	W7	B2-	E2	GB2-	E1	BLK	GND
37	W8	PAN	J1	CB2 LOAD	E1	RED	PWR
				B2-	E2	BLK	GND
36	W9	PAN	J1	CB1 LOAD	E1	RED	PWR
				B2-	E2	BLK	GND
38	W10	PAN	J1	K2	P2	RED-BLK	RU PWR RELAY (PWR&GND)
				AC	E3	BRN	ALTERNATOR SENSE FREQ
				K2A2-	E4	YLW	RU PWR FEEDBACK
				K1	P1	GRN-WHT	BATTERY PACK RELAY (PWR&GND)
				B1+	E2	BLU	BATTERY #1 VOLTAGE MONITOR
				B2+	E1	ORN	BATTERY #2 VOLTAGE MONITOR
39	W11	GB2-	E2	NC	E1	BLK	PLANTER GROUND

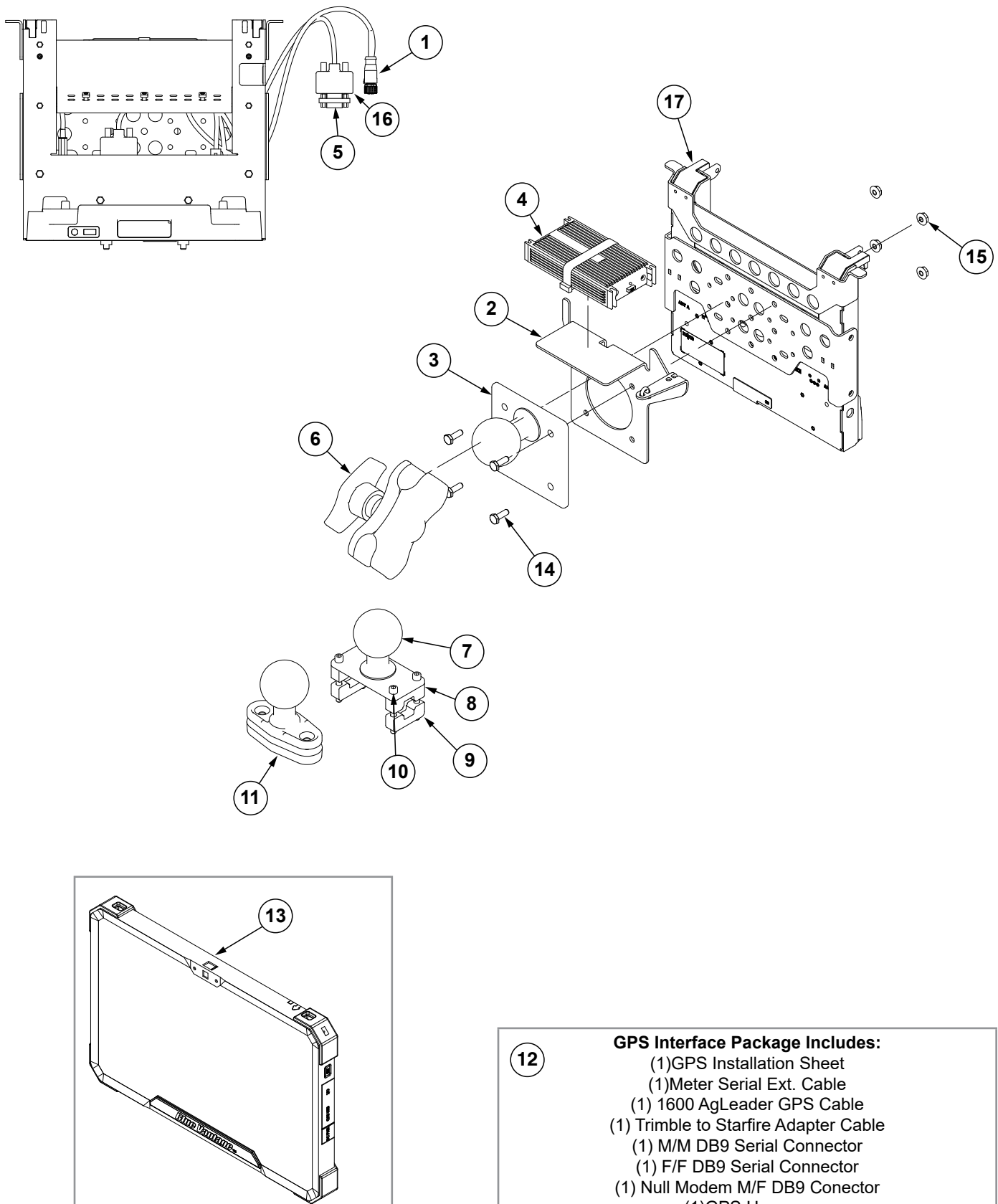
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10510601	1	Battery Box (2026 Production and On)
	G10416001	1	Battery Box (2024-2025 Production)
2	*A26673	1	Alternator, Style A (Manufactured by Dixie)
	**GA19301	-	Alternator, Style B (Manufactured by Prestolite)
3	G10584701	2	Contactora
4	G10169501	1	Hydraulic Motor
	GR2382		Seal Kit
5	GD36822	1	Battery Box Vent
6	GD36821	1	Battery Box Vent
7	---	1	See "Power Pack Hydraulic Motor Valve Block" on page P198
8	---	---	---
9	GD22200	3	Grommet, 1"
10	GD28354	2	Circuit Breaker, 100 Amp Panel Mount
11	GD28363	2	Battery, 12 Volt
12	G10114001	2	Battery Strap
13	GD36680	1	Half Coupler
14	GD36681	1	Sleeve W/Retaining Ring
15	GD36682	1	Half Coupler
16	GR2126	2	1½" Push-In Grommet
17	G10014	1	Hex Head Cap Screw, ½"-13 x 1"
18	G10071	1	Serrated Flange Nut, ½"-13
19	G11418	4	Hex Socket Head Cap Screw, ¼" x 1½"
20	G10017	1	Hex Head Cap Screw, ½"-13 x 1½"
21	G10954	4	Hex Head Cap Screw, ⅜"-16 x 7"
22	G10992	8	Serrated Flange Nut, No. 10-24
23	G11067	4	Phillips Pan Head Machine Screw, No. 8-32 x ¾", Stainless Steel
24	G11124	2	Hex Serrated Flange Cap Screw, ⅜"-16 x 1"
25	G11409	4	Hex Serrated Flanged Cap Screw, ¼"-20 x 1"
26	G11202	4	Lock Nut W/Nylon Insert, No. 8-32, Stainless Steel
27	G7100-636	1	See "Decals, Paint, and Miscellaneous" on page P265
28	G11472	4	Phillips Pan Head Machine Screw, No. 10-24 x 1"
29	G11528	4	Hex Nut W/External Tooth Washer, ¼"-20
30	G11588	4	Hex Socket Head Cap Screw, No. 10-24 x ⅝"
31	---	---	---
32	GA26683	1	Red Cable, 4 Gauge x 15"
33	GA26684	1	Red Cable, 4 Gauge x 28"
34	GA26685	1	Red Cable, 4 Gauge x 19"
35	GA26686	1	Cable, 4 Gauge Black (¼" Ring - ⅝" Ring) x 12", Style A
	G10477201	-	Cable, 4 Gauge Black (¼" Ring - ⅝" Ring) x 12", Style B
36	GA26687	1	Row Unit Battery Box Harness, Power 1
37	GA26688	1	Row Unit Battery Box Harness, Power 2
38	G10600701	1	Compact Power Pack Sensor Harness
39	G10179206	1	Cable, 4 Gauge, Black (⅝" Ring - ⅜" Ring) x 54", Style A
	G10477101		Cable, 4 Gauge, Black (⅜" Ring x ⅜" Ring) x 42", Style B
40	GA25023	1	Cable, 4GA, ⅝" to ⅝"
41	GA25993	1	Cable, 4GA x 14"
42	G10510701	1	Battery Box Cover (2026 Production and On)
	GD36820	1	Battery Box Cover (2024-2025 Production)

ITEM	PART NO.	QTY.	DESCRIPTION
43	G10439801	6	Pin W/Chain
44	G11123	4	Hex Serrated Flange Cap Screw, 3/8"-16 x 3/4"
45	GA26926	1	Cable, 4GA Red/Cover x 32"
46	G6801-06 GR1045	1 -	Elbow W/O-Ring, 90°, 9/16"-18 Male JIC To O-Ring O-Ring
47	G6801-10 GR1466	1 -	Elbow W/O-Ring, 90°, 7/8"-14 Male JIC To O-Ring O-Ring
48	G6500-10	1	Swivel Elbow, 90°, 7/8"-14 Male JIC To Female
49	G11105001	1	O-Ring, No. 212

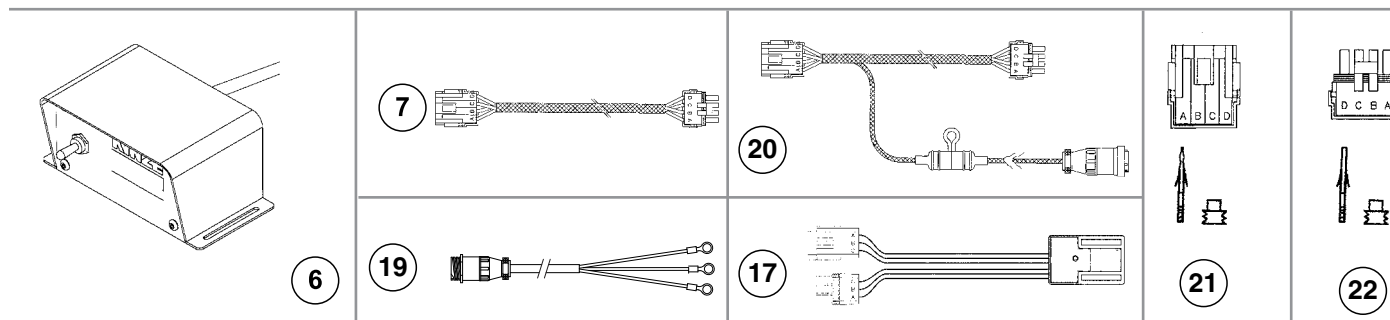
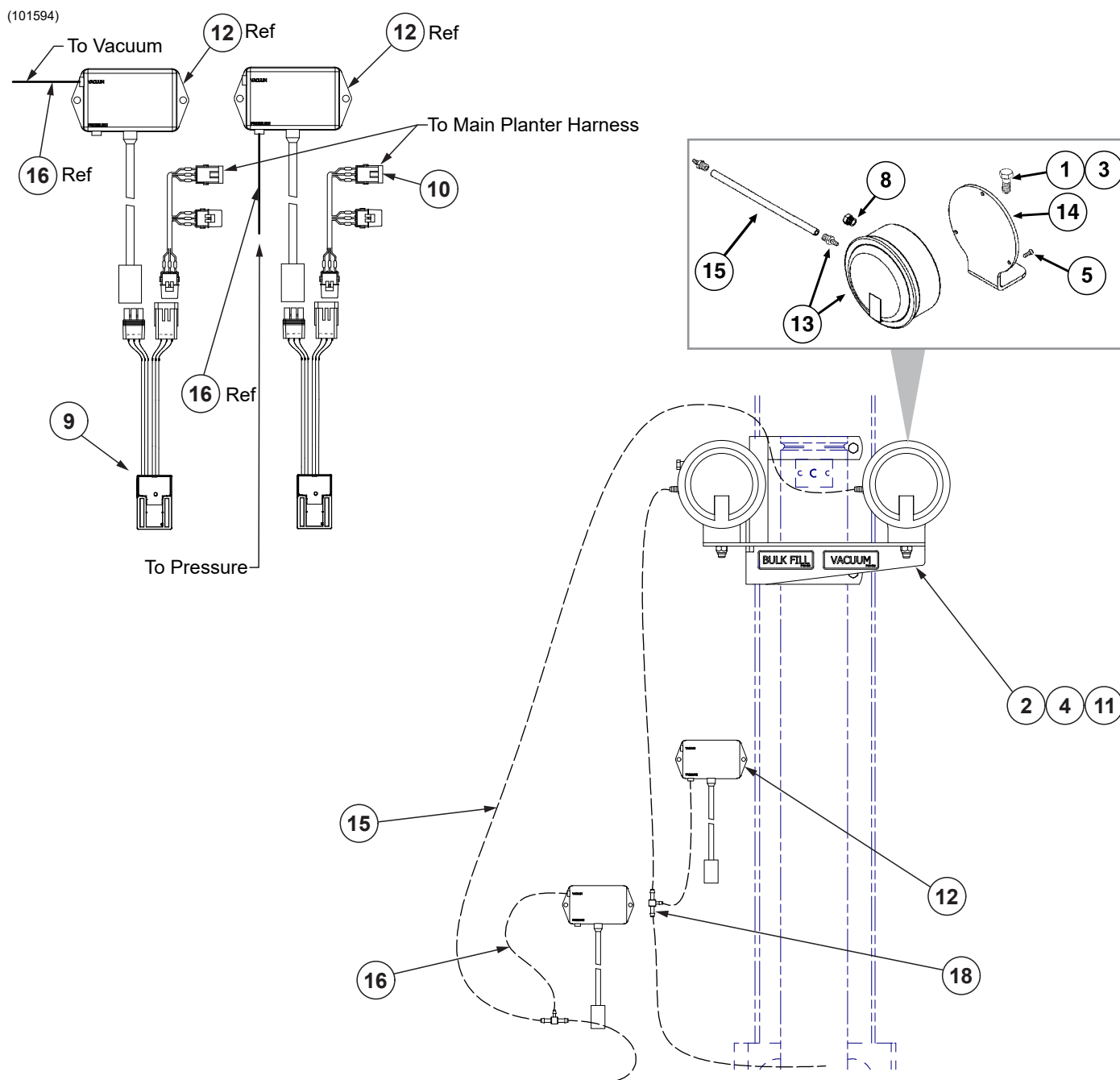
*Must use Style A cables (See Items 35 and 39).

**Must use Style B cables (See Items 35 and 39).

This page left blank intentionally.



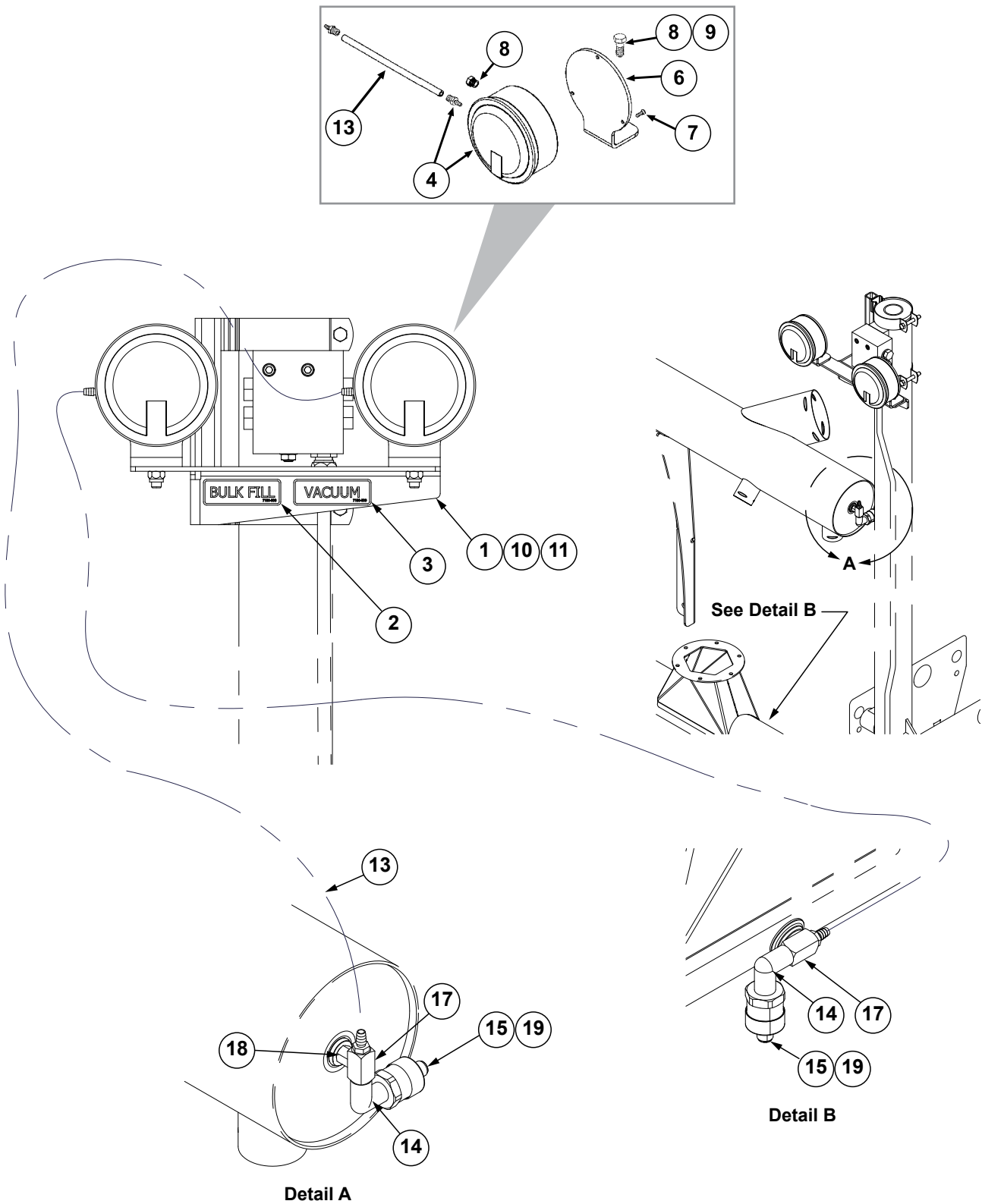
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA25399-36	1	Ethernet Cable (RJ45-Female M12 STR), 36"
2	G10013201	1	Power Supply Display Mount
3	GD33756	1	Ram Ball, 2¼"
4	GA26374	1	Lind Power Adaptor (Included W/GA24281)
5	GD35465	1	DB9 M/M Gender Changer
6	GA24285	1	Double Socket Ram Arm (Short)
7	GD33757	1	Ram Ball W/Plate, 2¼" Ball
8	GD33758	2	Ram Mount Clamp Block, Top
9	GD33759	2	Ram Mount Clamp Block, Bottom
10	G11106	4	Hex Socket Head Cap Screw, ¼"-20 x 2¼"
11	GA24284	1	Ram Ball W/Base, 2½" Ball
12	GA21143	1	GPS Interface Package
13	G10243001 G11115301	1	Blue Vantage Display Tablet Battery
14	G10023	4	Hex Head Cap Screw, ¼"-20 x ¾"
15	G10621	4	Serrated Flange Nut, ¼"-20
16	GA25437	1	DB9 Cable F/F
17	GA24281	-	Docking Station W/Power Supply



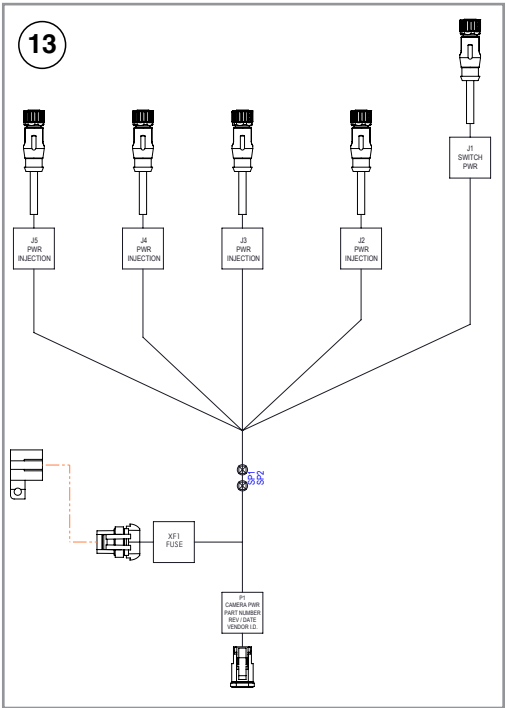
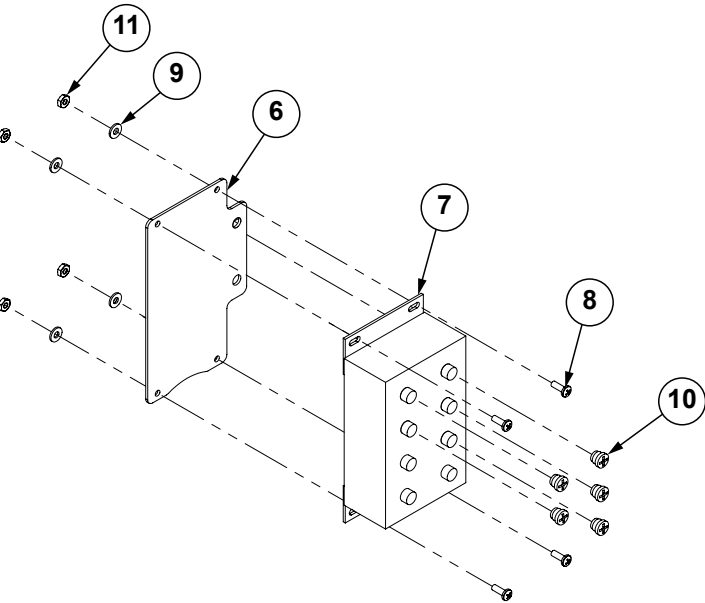
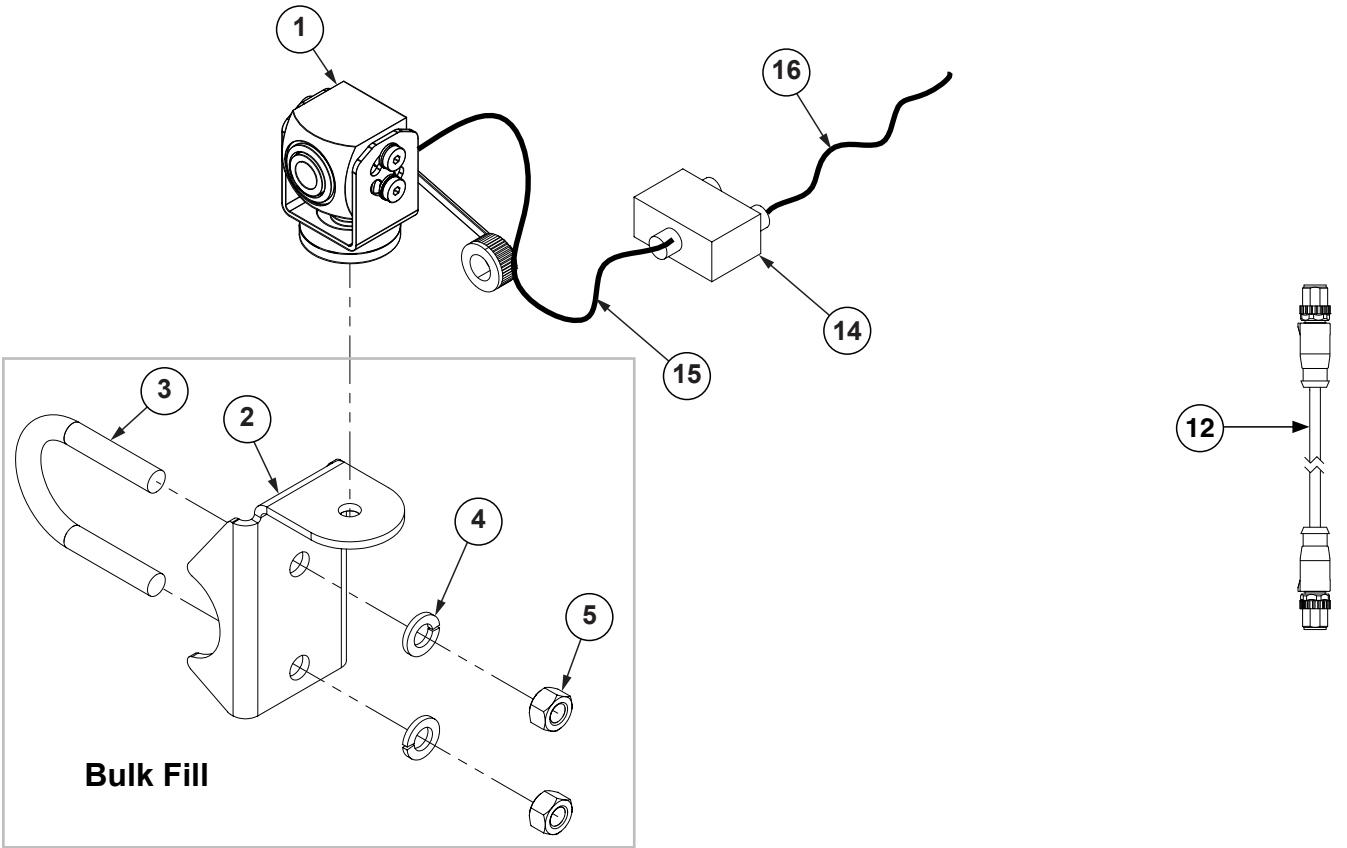
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
2	G10069	2	Hex Head Cap Screw, 5/16"-18 x 2 1/4"
3	G10108	2	Lock Nut, 3/8"-16
4	G10620	2	Serrated Flange Nut, 5/16"-18
5	G11215	6	Hex Flat Head Cap Screw, No. 6-32 x 3/8", Grade 8
6	GA11154	1	Digital Vacuum Gauge With 4-Pin Connector
7	GA11699	-	Extension Harness, 180"
8	GA10799	2	Breather, 1/8" Male NPT
9	GA12812	2	Hall Effect Adapter
10	GA13551	2	Tee Junction Harness
11	GA14599	1	Pressure Gauge Mount
12	GA14847	2	Low Pressure Sensor (0-40 IN H2O)
	GA9964	-	Strain Relief
	GR1736	1	Hose Barb
13	GA21406	2	Pressure Gauge W/Hose Barb
	GR1777	-	Hose Barb, 1/8" Male NPT To 3/16" Barb (Included W/GA21406)
14	GD15804	2	Mount
15	GD15849-02	2	Clear Plastic Tubing, 5/16" O.D. x 120"
16	*D17151-20	2	Urethane Tubing, 1/4" x 10'
17	GA12812	-	Hall Effect Adapter
18	GD21278	-	Reducing Tee, 3/16" x 1/8" x 3/16"
19	GA17547	-	Power Adapter Cable
20	GA11155	1	Harness W/Fuse Holder And Fuse, 132"
	GD14258	-	Fuse Holder (Included W/GA11155)
	GD14660	-	Fuse, 2 Amp Delay Action (Included W/GA11155)
	G1K268	-	Console Cable Connector Kit, Includes: (1) 3-Pin Connector, (1) Cable Clamp, (1) Lock Ring, (3) Female Terminal Pins
21	GA8328	-	4-Pin Female Connector Kit, 4 Seals And 4 Pin Contacts
22	GA8329	-	4-Pin Connector W/Male Housing, 4 Seals And 4 Socket Contacts

*Hose not stocked by Kinze repair parts, but is available in bulk. Order part number: GD17151-00, Nylon Tubing, 1/4" O.D. x 250'.

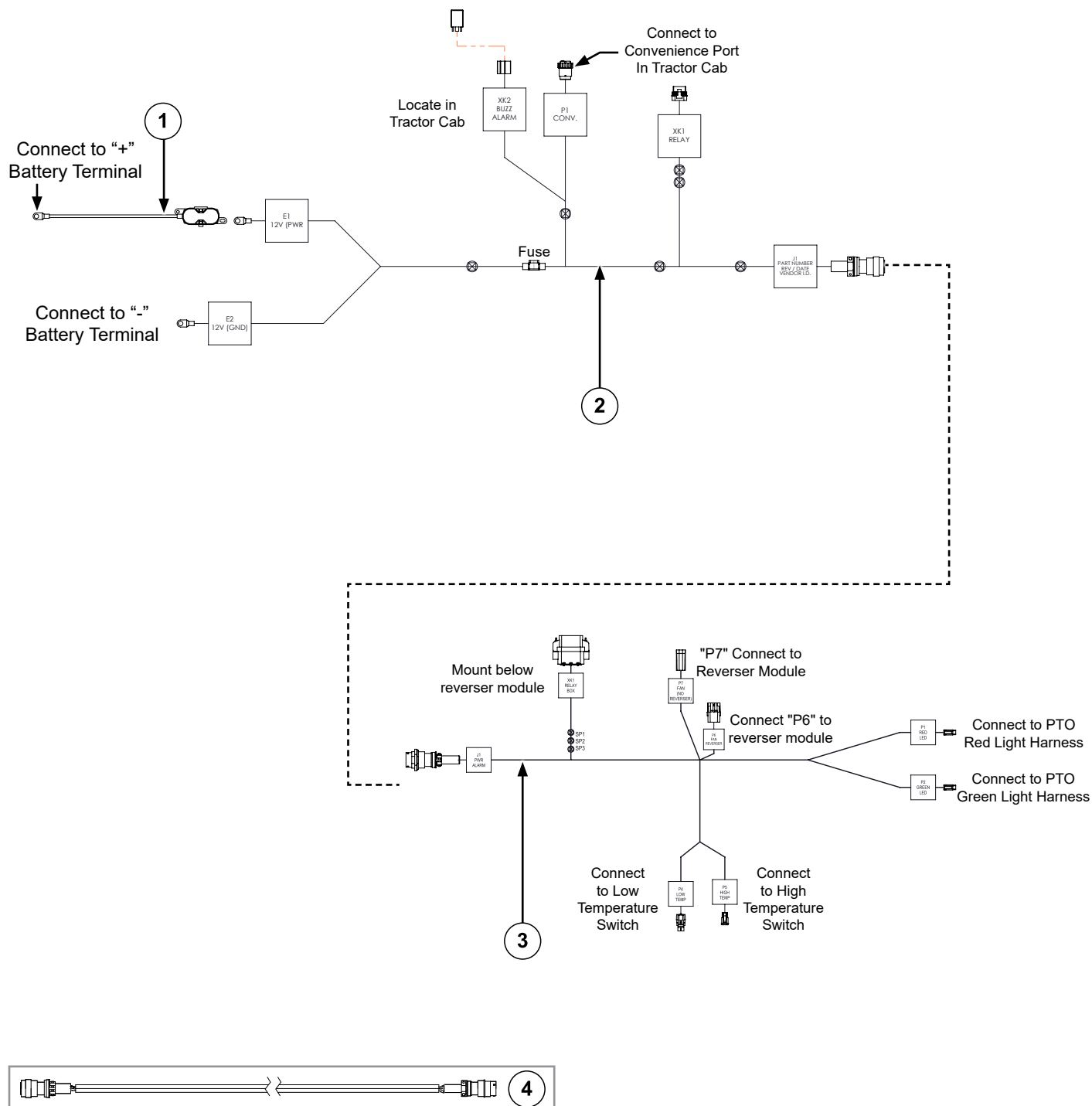
(106136)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GA14599	1	Pressure Gauge Mount
2	G7100-508	1	See "Decals, Paint, and Miscellaneous" on page P265
3	G7100-509	1	See "Decals, Paint, and Miscellaneous" on page P265
4	GA21406 GR1777	2 -	Pressure Gauge W/Hose Barb Hose Barb, 1/8" Male NPT To 3/16" Barb (Included W/GA21406)
5	GA10799	2	Breather, 1/8" Male NPT
6	GD15804	2	Mount
7	G11215	6	Hex Flat Head Cap Screw, No. 6-32 x 3/8", Grade 8
8	G10001	2	Hex Head Cap Screw, 3/8"-16 x 1"
9	G10108	2	Lock Nut, 3/8"-16
10	G10069	2	Hex Head Cap Screw, 5/16"-18 x 2 1/4"
11	G10620	2	Serrated Flange Nut, 5/16"-18
12	---	---	---
13	GD15849-02	2	Clear Plastic Tubing, 5/16" O.D. x 120"
14	10023601	2	90 Elbow, 1/8" x 1/8" NPT
15	G10349601	2	Air Pressure/Vacuum Sensor
16	---	---	---
17	GD28372	2	1/8" NPT Tee, Brass (Female/Male/Female)
18	D35903	1	1/8" Adapter
19	G11009201	2	Air Pressure Adapter Cable



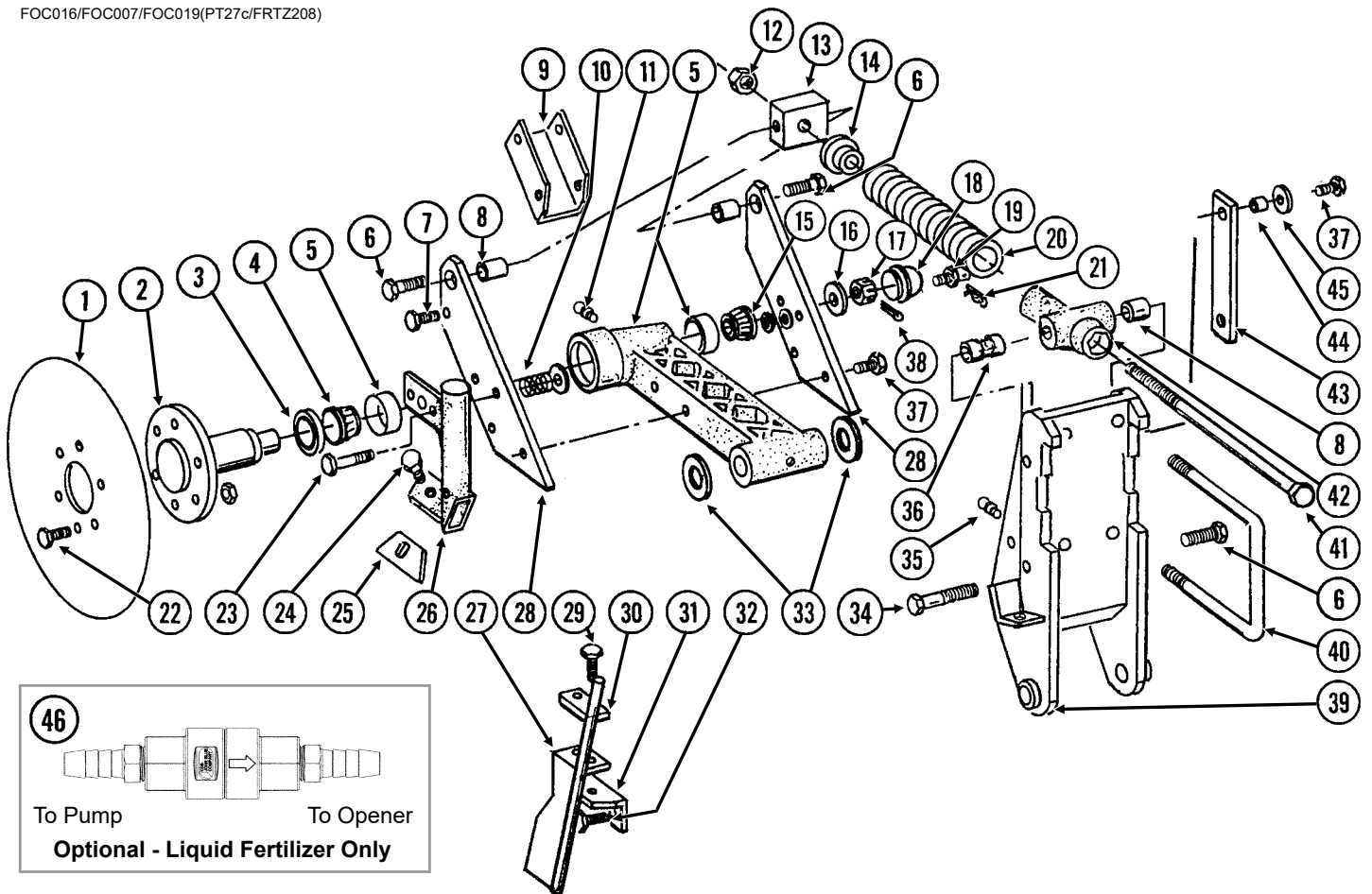
ITEM	PART NO.	QTY.	DESCRIPTION
1	G10327701	1	Camera Assembly
2	GD26989	1	Work Light Bracket
3	GD27190	1	U-Bolt, 1½" x ⅜"-16
4	G10229	2	Lock Washer, ⅜"
5	G10101	2	Hex Nut, ⅜"-16
6	G10374301	1	Ethernet Switch Bracket
7	G10375201	1	Ethernet Switch
8	G11341	4	Phillips Pan Head Machine Screw, No. 12-24 x ⅝", Grade 1
9	G11383	4	Flat Washer, No. 12
10	GD30726	5	Socket Dust Cover, M12
11	G10375601	4	Hex Nut, No. 12-24, Grade 1
12	GA22554-36	1	Ethernet Cable, CAT 5 (M12 STR - M12 STR) x 36"
13	G10269201	1	Camera Power Harness
14	G10375101	1	Ethernet Power Injector
15	GA22554-360	1	Ethernet Cable, CAT 5 (M12 STR - M12 STR) x 360"
16	GA22554-20	1	Ethernet Cable, CAT 5 (M12 STR - M12 STR) x 20"



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)

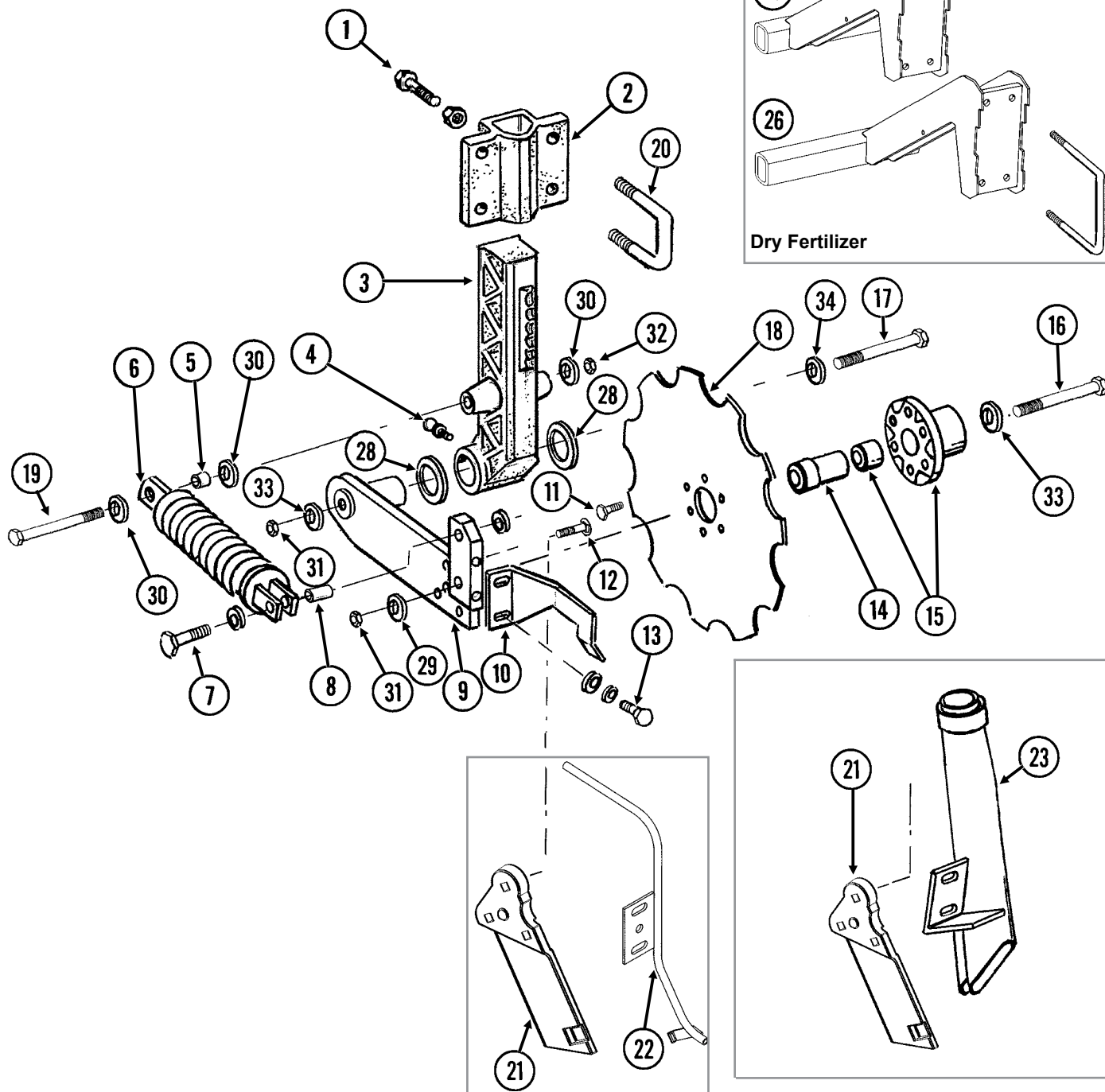
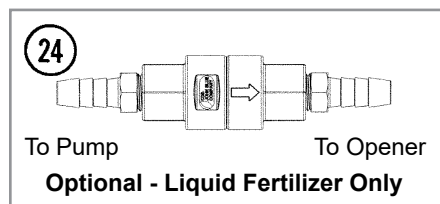


ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	GD7900	1	Disc Blade, 18"
	GD8247	-	Disc Blade, 20" (Optional)
2	GB0205	1	Spindle
3	GA4286	1	Seal
4	GA4287	1	Bearing
5	GA5887	1	Arm W/Cups And Washers
	GD6553	-	Inner Cup (Included W/GA5887)
	GR0188	-	Outer Cup (Included W/GA5887)
	G11391	3	Flat Washer, 5/8" SAE (Included W/GA5887)
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
17	G10507	1	Slotted Nut, 1"-14

ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
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/FRTZ268b/FRTZ208)

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



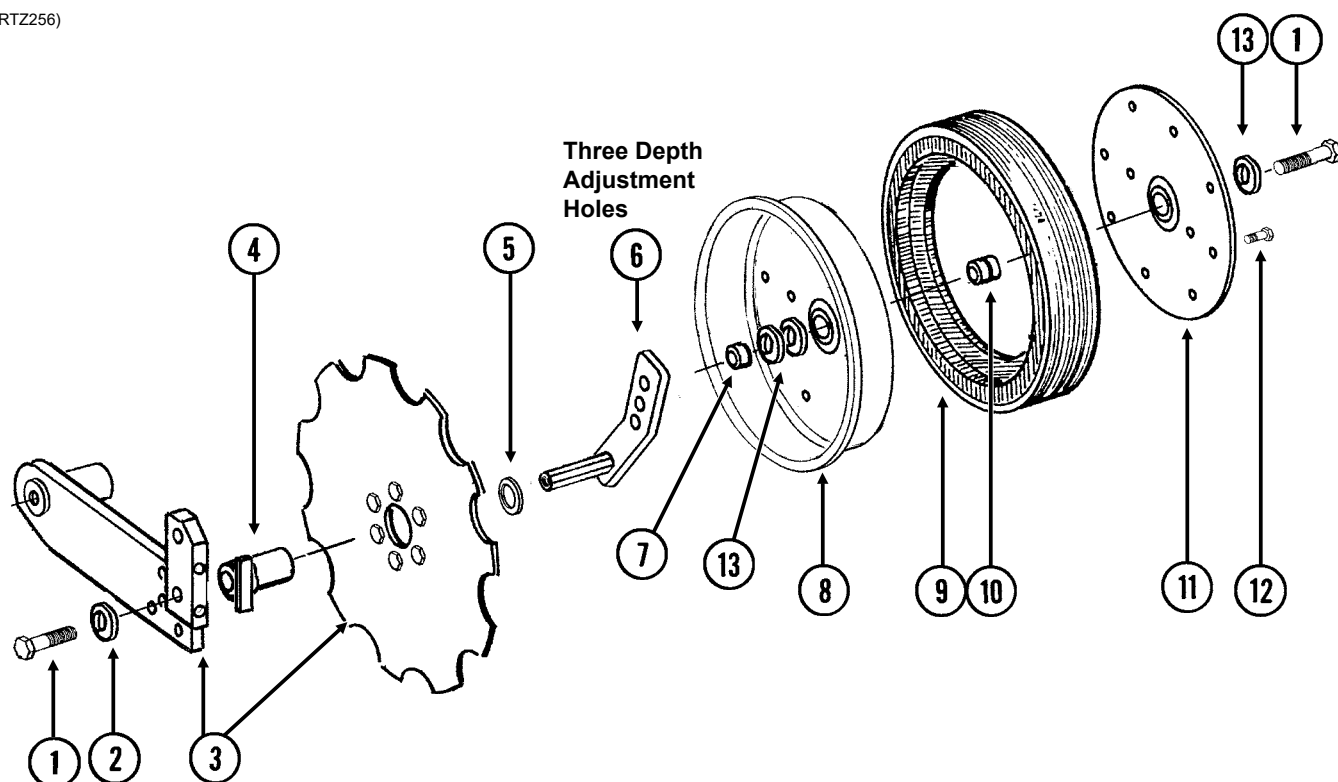
ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	G10017	3	Hex Head Cap Screw, 1/2"-13 x 1 1/2"
	G10102	3	Hex Nut, 1/2"-13
2	GB0405	1	Mount, L.H.
	GB0400	-	Mount, R.H. (Shown)
3	GB0296	1	Arm, 13 1/2"
4	G10640	1	Grease Fitting, 1/4"-28
5	GD12685	1	Bushing, 3/4" O.D. x 1/2" Long
6	GA6966	1	Compression Spring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

Continued on the next page.

ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
28	G10450	-	Machine Bushing, 1½", 18 Gauge (As Required)
29	GD12677	1	Washer, 1½" O.D., 7 Gauge, Hardened
30	G11389	-	Flat Washer, ½" Plated SAE
31	G10107	-	Lock Nut, ⅝"-11
32	G10111	-	Lock Nut, ½"-13
33	G11391	-	Flat Washer, ⅝" SAE
34	G10217	-	Washer, ⅝" USS

This page left blank intentionally.

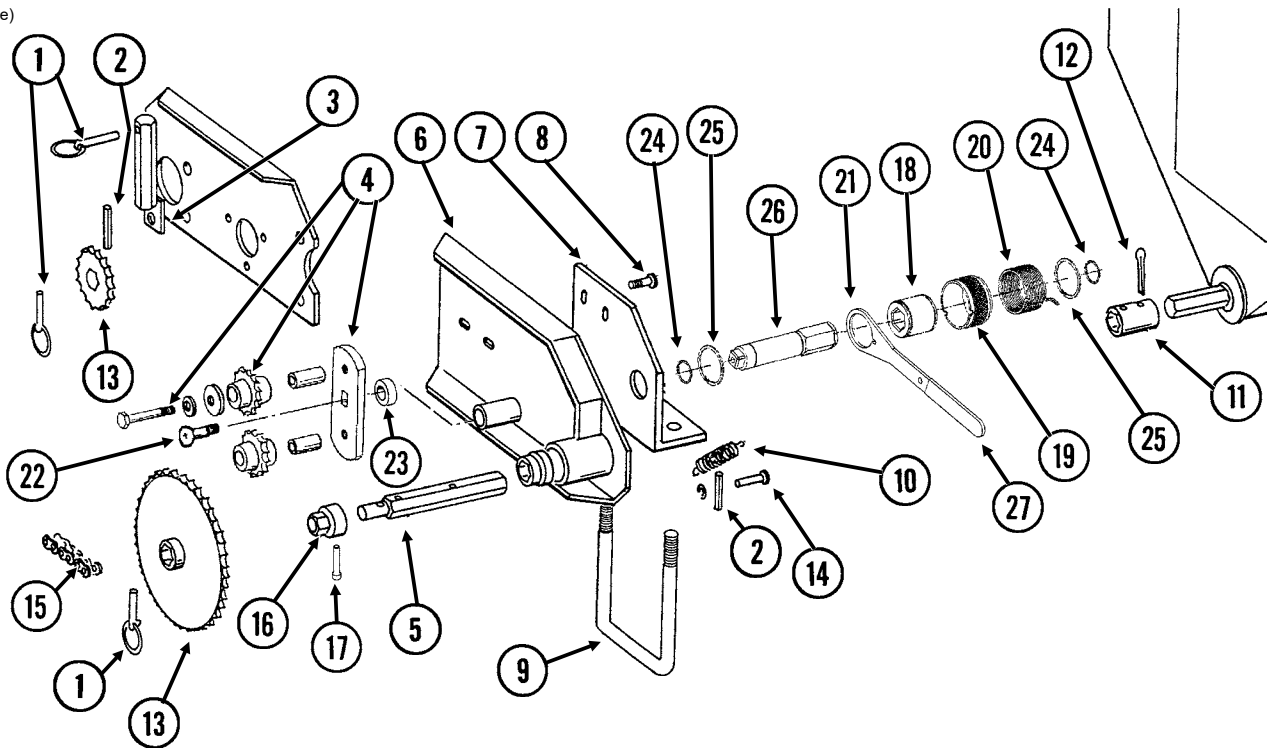
(FRTZ256)



ITEM	PART NO.	QTY. (Per Assy.)	DESCRIPTION
1	G10010	2	Hex Head Cap Screw, $\frac{5}{8}$ "-11 x 3"
2	G11391	1	Flat Washer, $\frac{5}{8}$ " SAE
3	---	-	See "Notched Single Disc Fertilizer Opener" on page P241
4	GA9472	1	Blade Mount
5	G10233	1	Machine Bushing, $1\frac{1}{2}$ " x $\frac{1}{32}$ ", 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, $\frac{5}{16}$ "-18 x $\frac{3}{4}$ ", No Serration
	G10620	11	Serrated Flange Nut, $\frac{5}{16}$ "-18
13	G10397801	-	Special Machine Bushing, $\frac{5}{8}$ " x 1" O.D. (As Required)
A	GA18311	-	Gauge Wheel Complete (Items 8-12)
B	G9881X	-	Depth/Gauge Wheel Package (Items 1-13)

This page left blank intentionally.

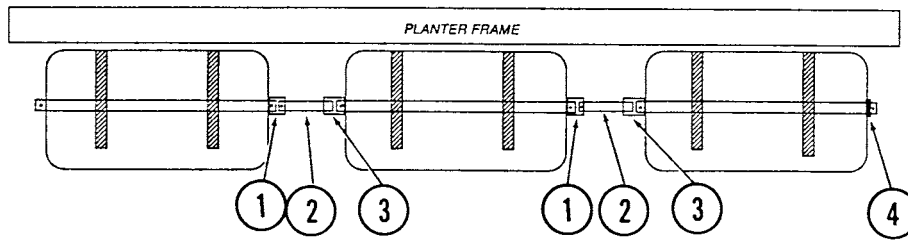
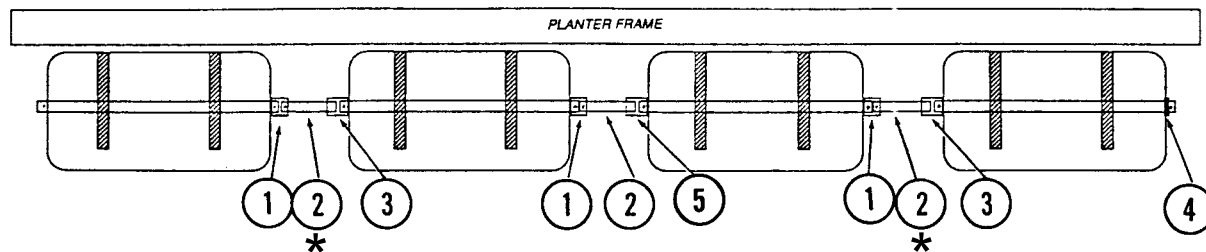
(TWL60ee)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GD2558	3	Lynch Pin, 1/4"
2	G10602	2	Spring Pin, 1/4" x 1 1/2"
3	GA5229	1	Sprocket Storage Rod
4	GA7336	1	Idler W/Bolt-On Sprockets
	GD7426	-	Sprocket, 12 Tooth (Included W/GA7336)
	GD1026	-	Sleeve, 1 3/16" Long (Included W/GA7336)
	G11387	-	Flat Washer, 3/8" SAE (Included W/GA7336)
	G10229	-	Lock Washer, 3/8" (Included W/GA7336)
	G10047	-	Hex Head Cap Screw, 3/8"-16 x 1 3/4" (Included W/GA7336)
5	GD7870	1	Shaft, 7"
6	GA6579	1	Plate W/Bearings And Grease Fitting
	GA5116	-	Bearing, 7/8" Hex Bore, Cylindrical (Included W/GA6579)
	GA5624	-	Special Bearing, 7/8" Hex Bore x 1.6" (Included W/GA6579)
	G10643	-	Grease Fitting, 45°, 1/4"-28 (Included W/GA6579)
7	GD9320	1	Mount
8	G10574	2	Carriage Bolt, 1/2"-13 x 1 1/4"
	G11389	4	Flat Washer, 1/2" SAE
	G10228	2	Lock Washer, 1/2"
	G10102	2	Hex Nut, 1/2"-13
9	GD1134	1	U-Bolt, 7" x 5" x 5/8"-11
	G10230	2	Lock Washer, 5/8"
	G10104	2	Hex Nut, 5/8"-11
10	GD5857	1	Spring
11	GD5886	-	Coupler, 1 3/4"
12	G10460	-	Cotter Pin, 1/4" x 2"

ITEM	PART NO.	QTY.	DESCRIPTION
13	GA5105	1	Sprocket, 15 Tooth
	GA5107	1	Sprocket, 19 Tooth
	GA5114	1	Sprocket, 30 Tooth
	GA5115	1	Sprocket, 33 Tooth
	GA6337	1	Sprocket, 35 Tooth
14	G10408	1	Clevis Pin, 5/16" x 3/4"
	G10409	1	Retaining Ring, 5/16"
15	G3310-155	1	Chain, No. 40, 155 Pitch Including Connector Link And Offset Link
	GR0912	-	Connector Link, No. 40
	GR0911	-	Offset Link, No. 40
16	GD7127	1	Shear Coupler
17	G10821	1	Clevis Pin, 3/16" x 2"
	G10455		Cotter Pin, 1/16" x 1/2"
18	GD14432	1	Sleeve, 1 1/4"
19	GD19343	1	Release Collar, R.H.
20	GD14413	-	Torsion Spring, L.H. (Used In R.H. Wrap Spring Wrench)
21	GD14431	1	Handle
22	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"
23	GD2734-18	1	Sleeve, 1 1/4" O.D. x 7/16" Long
24	G11075	2	External Inverted Snap Ring, 7/8"
25	G10496	2	External Inverted Snap Ring, 1 1/2"
26	GD14427	1	Tightener Shaft, 4 7/8"
27	G11078	1	Vinyl Cap
A	GA11331	-	Lock Clamp Kit (Items 2 And 3)
B	G1K378	1	Wrap Spring Wrench Replacement Kit, Gold Collar, R.H. (Items 18-27)

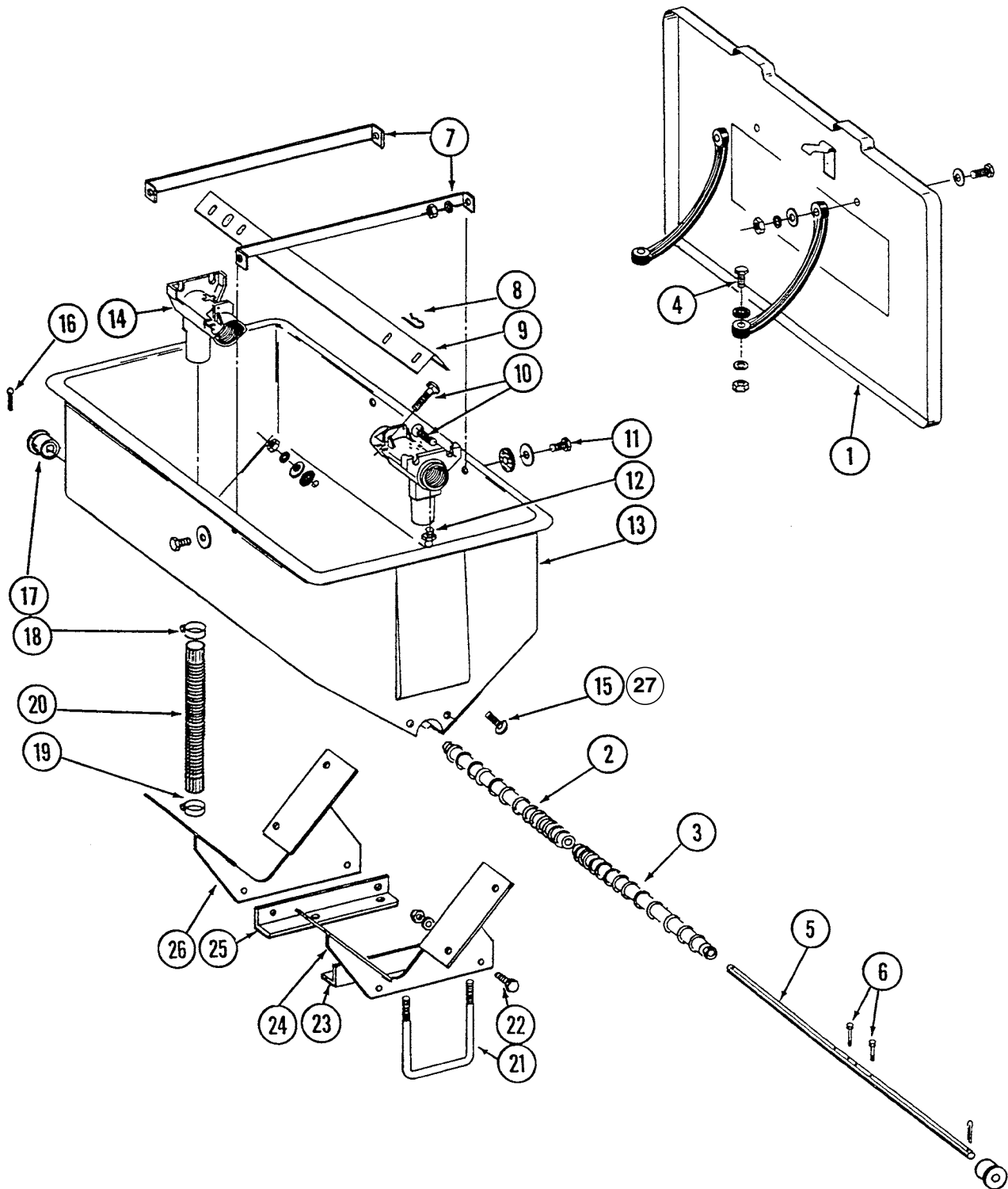
RH101190(PT33/PT35)

6 Row 30"**8 Row 30"**

ITEM	PART NO.	QTY.	DESCRIPTION
1	GD5886	-	Coupler, 1 $\frac{3}{4}$ "
2	GD2548-15.5	-	Hex Shaft, $\frac{7}{8}$ " x 15 $\frac{1}{2}$ " (1 Hole)
	GD35275	2	Hex Shaft, $\frac{7}{8}$ " x 11 $\frac{1}{2}$ " (1 Hole) (8 Row 30" W/HD Single Disc Fertilizer Openers)
3	GD7867	-	Coupler, 3"
4	G10233	2	Machine Bushing, 1 $\frac{1}{2}$ " x $\frac{1}{32}$ ", 10 Gauge
5	GD9378	-	Coupler, 12"

This page left blank intentionally.

DFC009/DFC018/DFC023(TWL61)

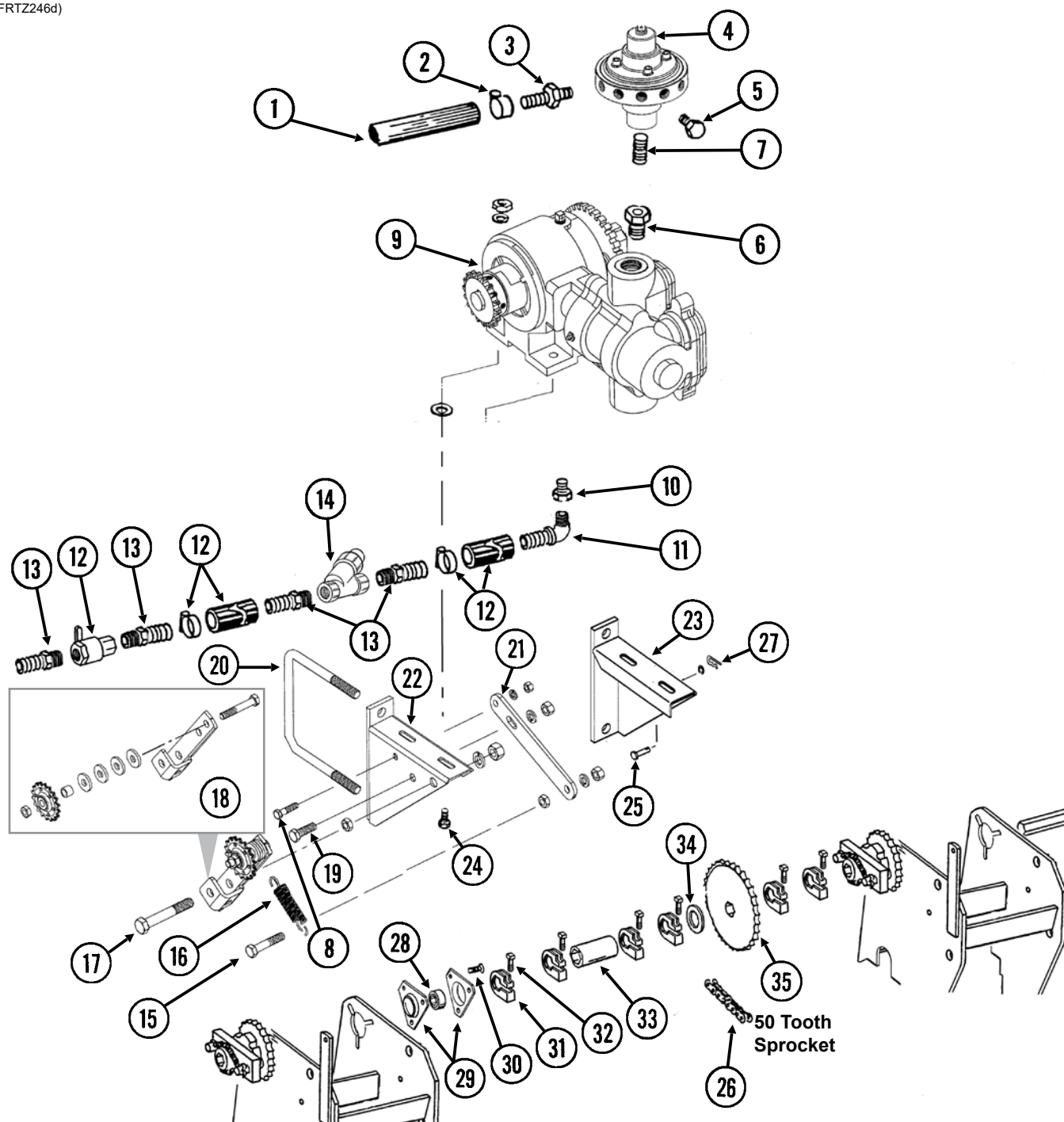


ITEM	PART NO.	QTY. (Per Hopper)	DESCRIPTION
1	GA0898	1	Lid W/Retainers, Clips, Rivets, Rubber Straps And Hardware
	GD1380	-	Front Clip (Included W/GA0898)
	GD2412	-	Rear Retainer (Included W/GA0898)
	G10655	-	Rivet, $\frac{3}{16}$ " x $\frac{13}{32}$ " (Included W/GA0898)
	GD1210	-	Rubber Strap (Included W/GA0898)
	G10171	-	Hex Head Cap Screw, $\frac{5}{16}$ "-18 x $1\frac{1}{4}$ " (Included W/GA0898)
	G11386	-	Flat Washer, $\frac{5}{16}$ " SAE (Included W/GA0898)
	G10232	-	Lock Washer, $\frac{5}{16}$ " (Included W/GA0898)
	G10106	-	Hex Nut, $\frac{5}{16}$ "-18 (Included W/GA0898)
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"
	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	2	Hex Head Cap Screw, $\frac{1}{2}$ "-13 x $1\frac{1}{2}$ "
	G10228	2	Lock Washer, $\frac{1}{2}$ "
	G10102	2	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.
27	G10201	8	Special Washer, $\frac{3}{8}$ " x $1\frac{1}{2}$ " O.D.
	GD1213	8	Rubber Washer
A	GA22278	-	Hopper Sub-Assembly (Items 8,10 And 12-15)
B	GA5667	-	Hopper Hardware Box (Items 2-7, 9, 11, 16 And 17)

M0302-02

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

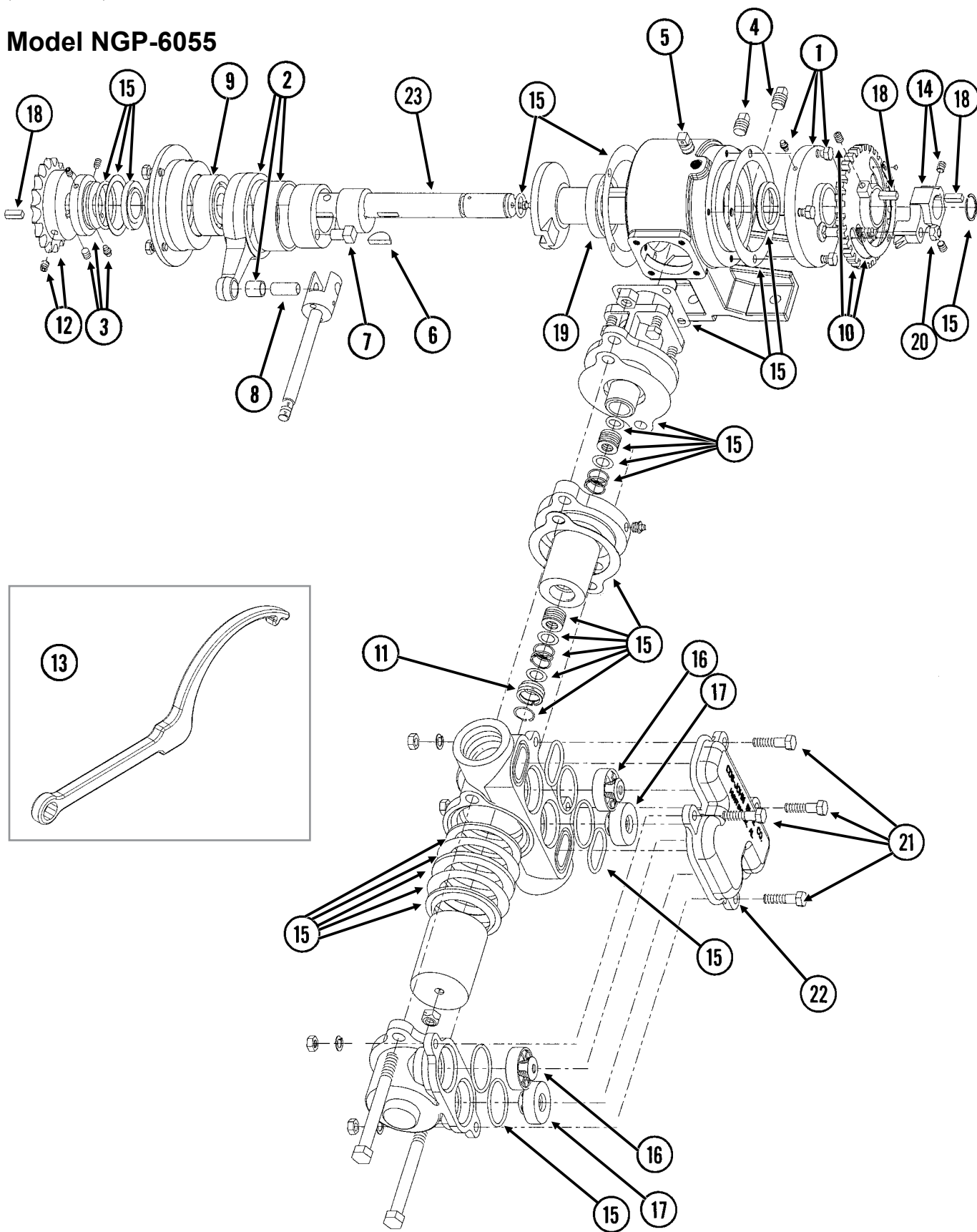
(FRTZ246d)



ITEM	PART NO.	QTY.	DESCRIPTION
1	G4301-02	-	Hose, 3/8" x 50', 6 Row 30"
	G4301-04	-	Hose, 3/8" x 100', 8 Row 30"
2	G10681	8	Hose Clamp, No. 6 (As Required)
3	GD11700	-	Adapter, 1/4" NPT To 3/8" Barb (As Required)
4	---	-	See "Liquid Fertilizer Piston Pump Flow Divider" on page P259
5	G10292	-	Pipe Plug, 1/4" NPT (As Required)
6	G11237	1	Reducing Bushing, 1 1/2" Male NPT To 3/4" Female
7	G10994	1	Close Nipple, 3/4" NPT, Stainless Steel

ITEM	PART NO.	QTY.	DESCRIPTION
8	G10003	1	Hex Head Cap Screw, 3/8"-16 x 1 1/2"
	G10229	1	Lock Washer, 3/8"
	G10101	1	Hex Nut, 3/8"-16
9	---	-	See "Liquid Fertilizer Piston Pump Uses 18 Tooth Sprocket" on page P257
10	G10615	1	Reducing Bushing, 1 1/2" Male NPT To 1 1/4" Female
11	G10629	1	Elbow, 90°, 1 1/4" NPT To Barb
12	---	-	See "Liquid Fertilizer Tanks, Saddles, Mounts, Hoses, and Fittings" on page P253
13	G10626	4	Adapter, 1 1/4" NPT To Barb
14	GA3893	1	Strainer Complete
	GR0880	-	Screen, No. 40 Mesh (Included W/GA3893)
	GR0881	-	Gasket (Included W/GA3893)
	GR0882	-	Y-Body (Included W/GA3893)
	GR0883	-	End Cap (Included W/GA3893)
15	G10053	1	Hex Head Cap Screw, 1/2"-13 x 2 1/2"
	G10228	1	Lock Washer, 1/2"
	G10501	1	Hex Jam Nut, 1/2"-13, Grade 2
	G10102	1	Hex Nut, 1/2"-13
16	GD5857	1	Spring
17	G10036	1	Hex Head Cap Screw, 5/8"-11 x 4"
	G10230	1	Lock Washer, 5/8"
	G10503	1	Hex Jam Nut, 5/8"-11, Grade 2
	G10104	1	Hex Nut, 5/8"-11
18	GA11024	1	Idler W/Sprocket And Hardware
	GA7154	1	Sprocket W/Bearing, 18 Tooth (Included W/GA11024)
	G10038	1	Hex Head Cap Screw, 1/2"-13 x 3" (Included W/GA11024)
	G10168	4	Machine Bushing, 1/2", 7 Gauge (Included W/GA11024)
	GD11158	1	Spacer, 3/4" O.D. x 9/16" Long (Included W/GA11024)
	G10501	1	Hex Jam Nut, 1/2"-13, Grade 2 (Included W/GA11024)
19	G10037	1	Hex Head Cap Screw, 1/2"-13 x 1 1/4"
	G10228	1	Lock Washer, 1/2"
	G10102	1	Hex Nut, 1/2"-13
20	GD1113	2	U-Bolt, 5" x 7" x 5/8"-11
	G10230	4	Lock Washer, 5/8"
	G10104	4	Hex Nut, 5/8"-11
21	GD16157	1	Bracket
22	GA10603	1	Pump Mount, L.H.
23	GA4620	1	Pump Mount, R.H.
24	G10001	4	Hex Head Cap Screw, 3/8"-16 x 1"
	GR1122	4	Mounting Pad
	G11387	4	Flat Washer, 3/8" SAE
	G10229	4	Lock Washer, 3/8"
	G10101	4	Hex Nut, 3/8"-16
25	G10478	1	Clevis Pin, 5/16" x 1"
	G10409	1	Retaining Ring, 5/16"
26	G3310-88	1	Chain, No. 40, 88 Pitch Including Connector Link
	GR0912	-	Connector Link, No. 40
27	G10670	1	Hair Pin Clip, No. 3
28	G2100-03	1	Bearing, 7/8" Hex Bore, Spherical
29	G3400-01	2	Flangette
30	G10303	3	Carriage Bolt, 5/16"-18 x 1"
	G10620	3	Serrated Flange Nut, 5/16"-18
31	GD11045	5	Lock Clamp
32	G10130	5	Square Head Machine Bolt, 5/16"-18 x 1 3/4"
	G10923	5	Flange Nut, 5/16"-18, No Serration
33	GD1719	1	Coupler, 4"
34	G10233	1	Machine Bushing, 1 1/2" x 1/32", 10 Gauge
35	GA5194	1	Sprocket, 50 Tooth

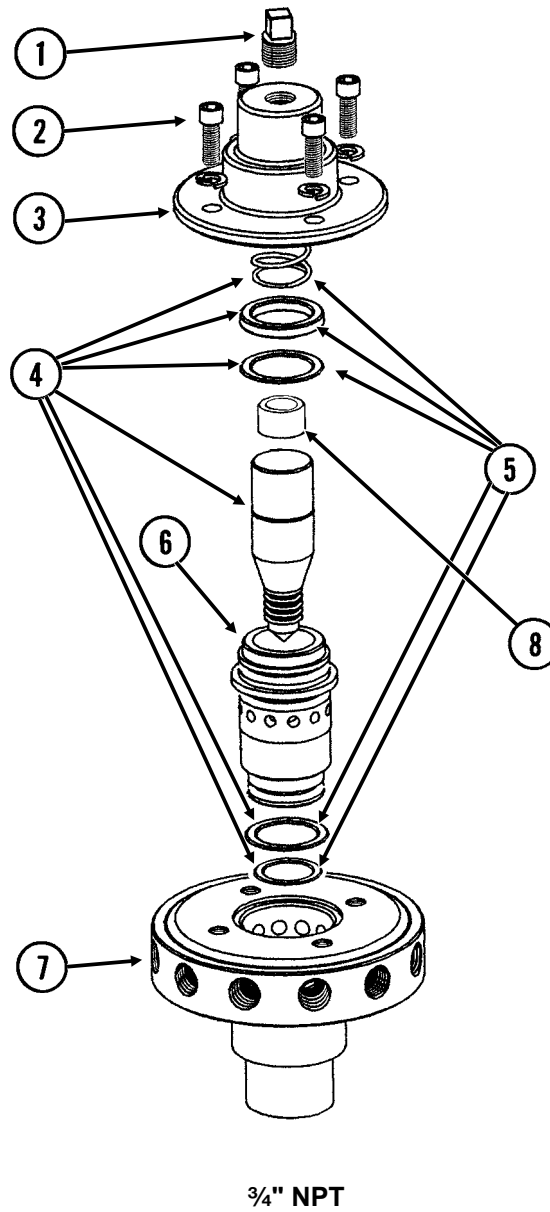
(A12335a/GR1808)

Model NGP-6055

ITEM	PART NO.	QTY.	DESCRIPTION
1	GR1804	1	Flange Cover Assembly
	G10991	4	Hex Head Cap Screw, $\frac{5}{16}$ "-18 x $\frac{7}{8}$ "
2	GR1802	1	Connecting Rod Assembly
3	GR1801	1	Spacer Assembly
	G10693	3	Hex Socket Head Set Screw, $\frac{5}{16}$ "-18 x $\frac{3}{8}$ "
4	GR1123	2	Plug
5	GR1543	1	Vent Plug
6	GR1112	1	Woodruff Key
7	GR1120	1	Eccentric Pin
8	GR1124	1	Pin
9	GR1104	1	Bearing
10	GR1805	1	Setting Hub Assembly
11	GR1134	1	Stuffing Box Insert
12	GR1389	1	Sprocket, 18 Tooth
13	GR1808	1	Adjustment Wrench
14	GR1806	1	Setting Pointer Assembly
15	GR1795	1	Repair Kit, Includes: (6) Gaskets, (9) O-Rings, (4) Washers, (1) Retaining Ring, (2) Oil Seals, (1) Snap Ring, (1) Thrust Washer, (1) Rod Bushing, (2) Flange Plunger Packings, (2) Packing Springs, (2) Rod Vee Packing Sets
16	GR1799	2	Discharge Valve Assembly
17	GR1797	2	Suction Valve Assembly
18	GR1118	3	Setting Arm Key
19	GR1116	1	Bearing
20	G10306	1	Carriage Bolt, $\frac{3}{8}$ "-16 x 2"
	G10108	1	Lock Nut, $\frac{3}{8}$ "-16
21	G10003	4	Hex Head Cap Screw, $\frac{3}{8}$ "-16 x 1½"
	G11387	4	Flat Washer, $\frac{3}{8}$ " SAE
	G10229	4	Lock Washer, $\frac{3}{8}$ "
	G10101	4	Hex Nut, $\frac{3}{8}$ "-16
22	GR2003	1	Valve Cover
23	GR2185	1	Crankshaft
A	GA12330	-	Piston Pump Complete W/18 Tooth Sprocket (Model NGP-6055)

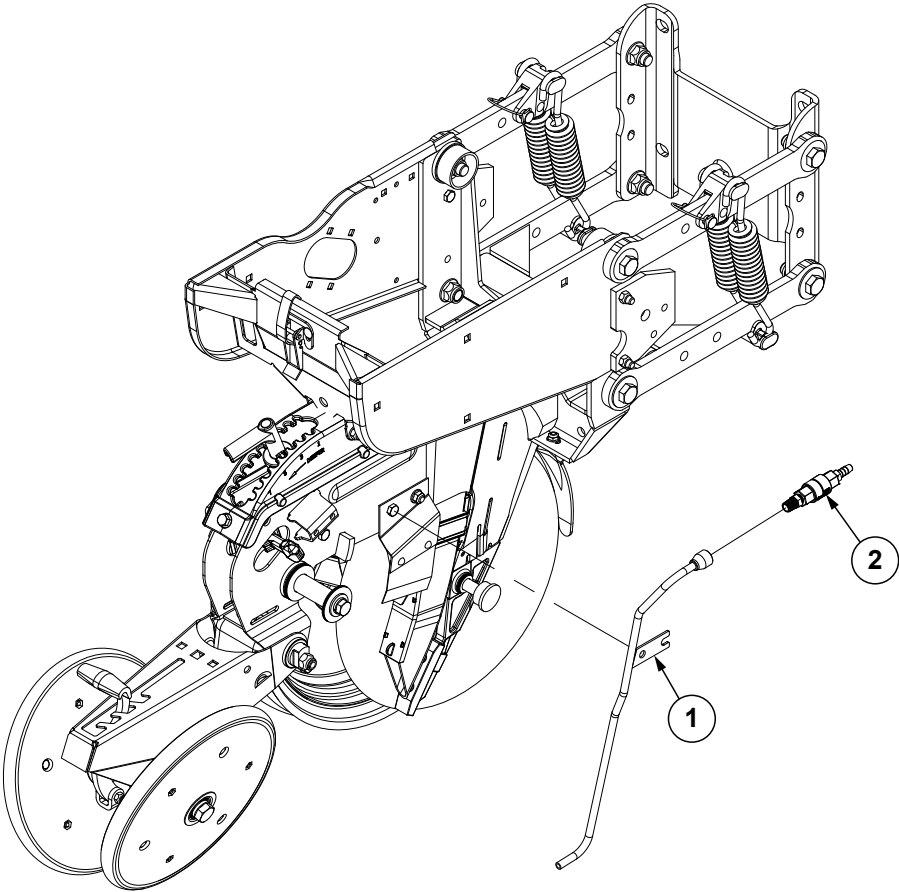
(FRTZ159/PT40a/FRTZ202c)

Model FD-1200 Flow Divider, 12 Outlet



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	GR1574	-	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)

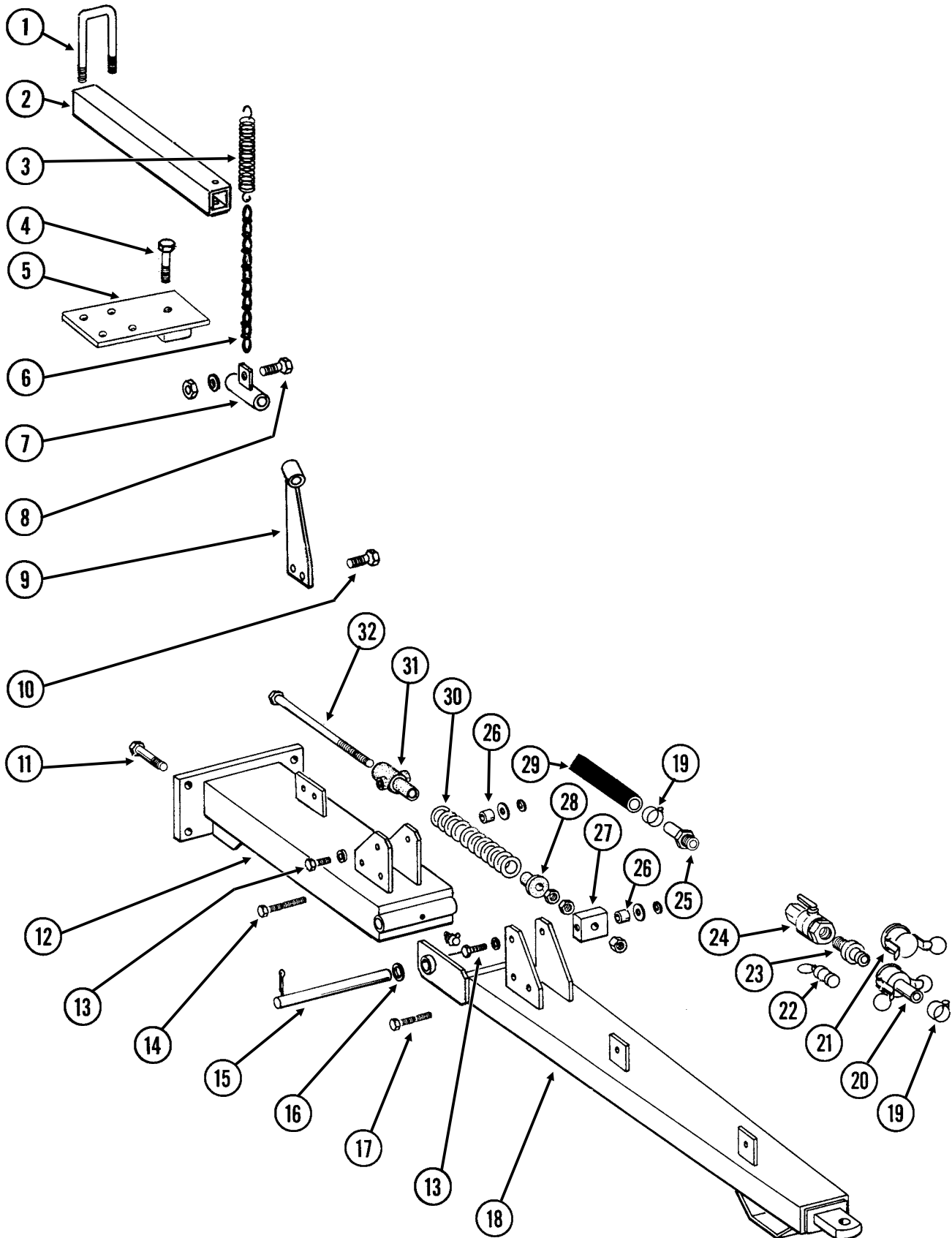
(IP1624)



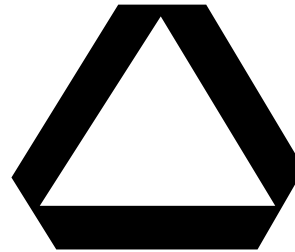
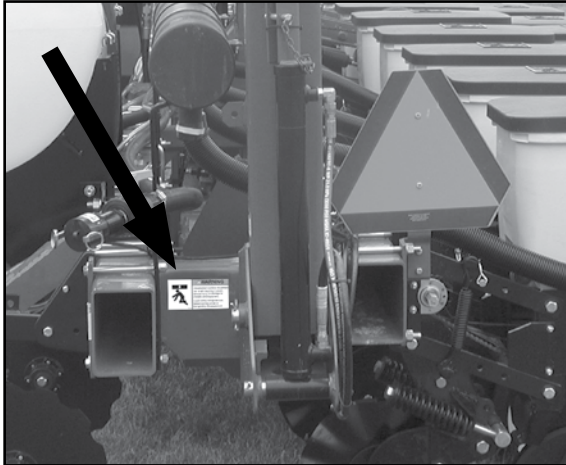
ITEM	PART NO.	QTY.	DESCRIPTION
1	GA18822	-	Liquid Fertilizer Tube
2	GA20583	-	Check Valve Assembly

This page left blank intentionally.

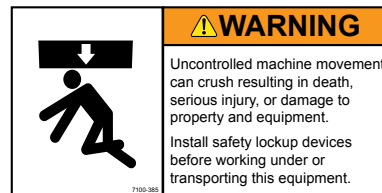
PHA032/LFC003(TWL47b)



ITEM	PART NO.	QTY.	DESCRIPTION
1	GD2721	2	U-Bolt, 2" x 2" x 1/2"-13
	G10228	4	Lock Washer, 1/2"
	G10102	4	Hex Nut, 1/2"-13
2	GD10196	-	Hanger Tube
3	GD0829	-	Spring
4	G10013	1	Hex Head Cap Screw, 5/8"-11 x 3 1/2" (As Required)
	G11391	1	Flat Washer, 5/8" SAE (As Required)
	G10230	1	Lock Washer, 5/8" (As Required)
	G10056	-	Hex Head Cap Screw, 3/4"-10 x 3 1/2" (As Required)
	G11392	-	Flat Washer, 3/4" SAE (As Required)
	G10231	-	Lock Washer, 3/4" (As Required)
5	GA7211	1	Mount
6	G3305-03	-	Twin Loop Chain, 15 Links
7	GA7209	-	Hose Support
8	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
9	GA7208	-	Hose Support
10	G10004	2	Hex Head Cap Screw, 3/8"-16 x 1 1/4"
	G10108	2	Lock Nut, 3/8"-16
11	G10826	5	Hex Head Cap Screw, 1"-8 x 2 1/2"
	G10396	5	Lock Nut, 1"-8
12	GA6960	1	Hitch
13	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"
14	G10756	1	Hex Head Cap Screw, 3/8"-16 x 6"
	G10229	1	Lock Washer, 3/8"
	G10101	1	Hex Nut, 3/8"-16
15	GD3547	1	Pin, 1 1/4" x 12 3/4"
16	G11396	2	Flat Washer, 1 1/4" SAE
	G10460	2	Cotter Pin, 1/4" x 2"
17	G10172	1	Hex Head Cap Screw, 3/8"-16 x 5"
	G10229	1	Lock Washer, 3/8"
	G10101	1	Hex Nut, 3/8"-16
18	GA6961	1	Hitch
19	G10672	6	Hose Clamp, No. 28
20	GD1516	1	Adapter, 1 1/4" Barb To Female Cam Lock
21	GD1515	1	Dust Cap, 1 1/4" Cam Lock
22	GD1517	1	Dust Plug, 1 1/4" Male Cam Lock
23	GD1514	1	Adapter, 1 1/4" Male NPT To Cam Lock
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	G10626	1	Adapter, 1 1/4" NPT To Barb
26	GB0218	4	Bushing, 2 1/32" I.D. x 7/8" O.D. x 1 9/32" Long
27	GD7908	1	Tap Block
28	GD34923	1	Spring Seat
29	G4200-01	1	Hose, 1 1/4" x 22'
30	GD2115	1	Spring
31	GB0206	1	Rod Guide
32	GD7907	1	Special Bolt
	G10105	3	Hex Nut, 3/4"-10



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



Part No.: G7100-385
Description: Decal, Warning
Quantity: 2 (1 On Each End of Planter Frame)

G7100-397



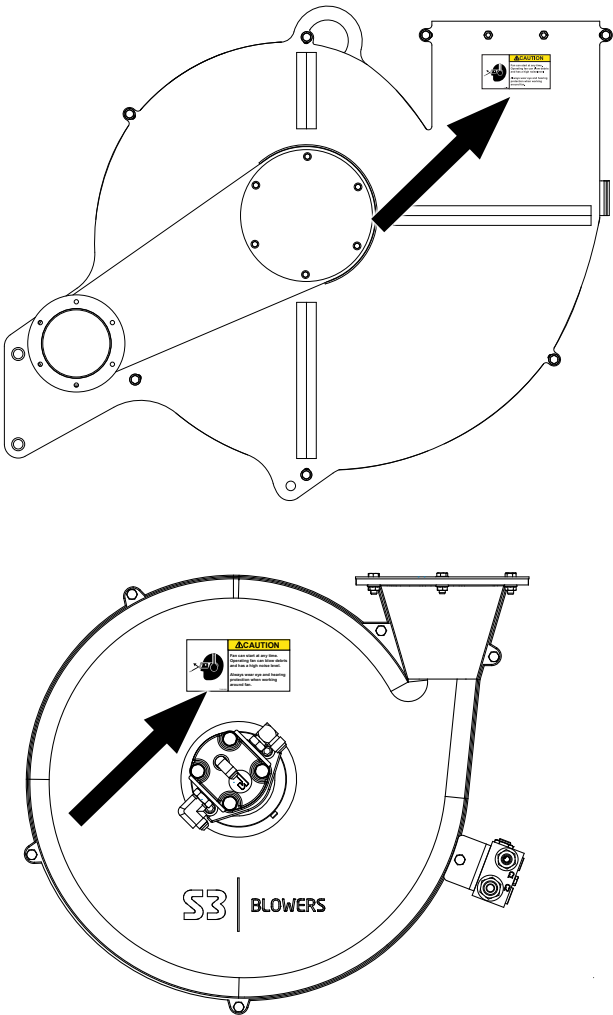
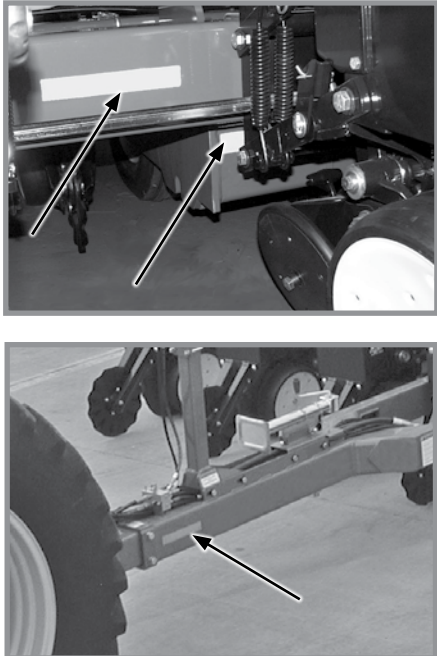
G7100-385

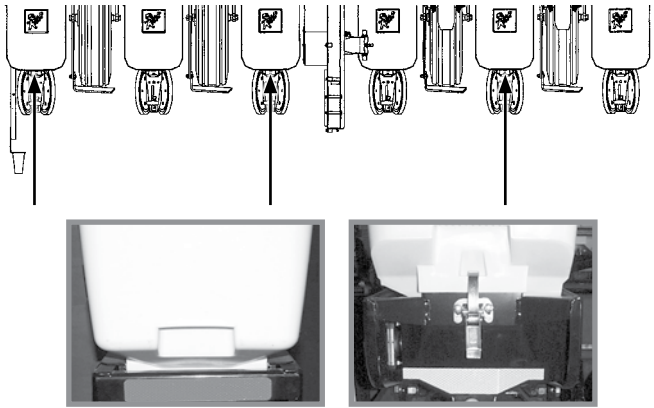
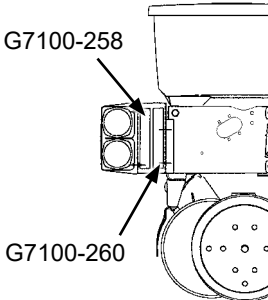
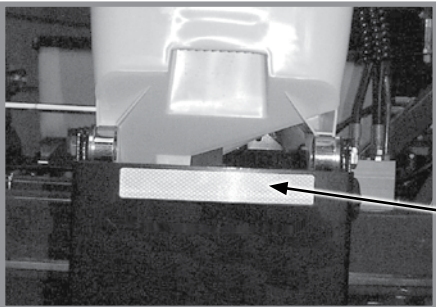


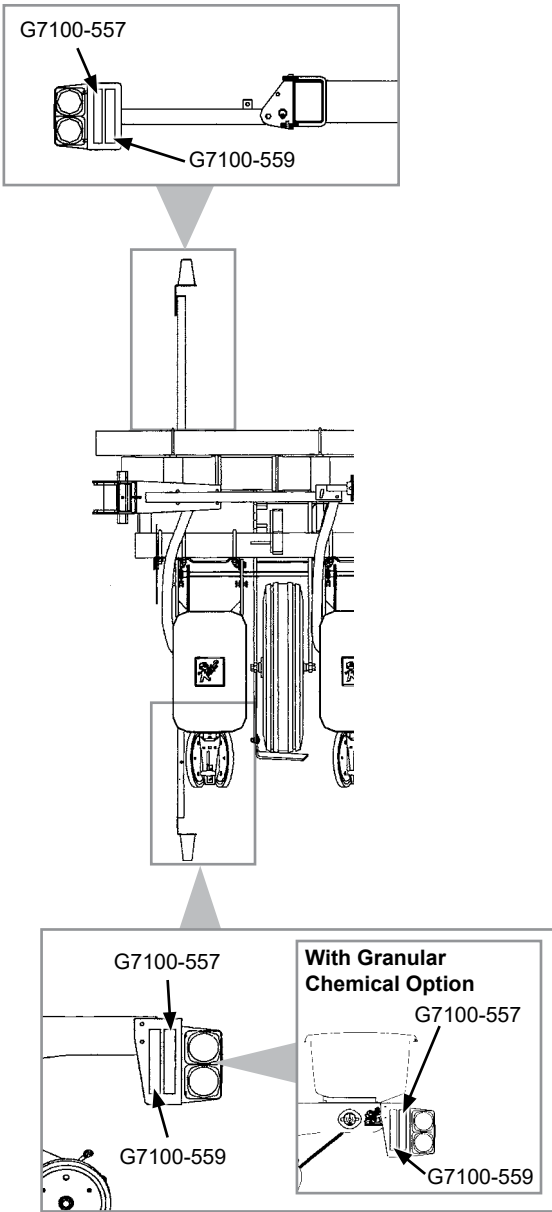
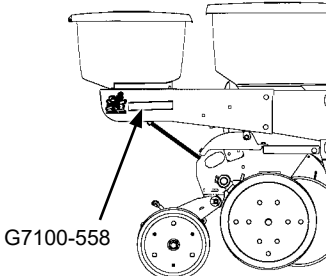
Part No.: G7100-397
Description: Decal, Warning
Quantity: 1 (Per Row Marker Cylinder - Conventional)
4 (2 Per Row Marker)

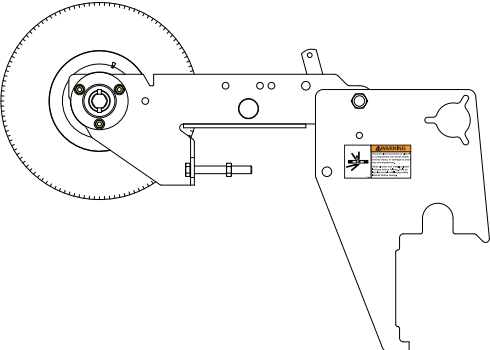
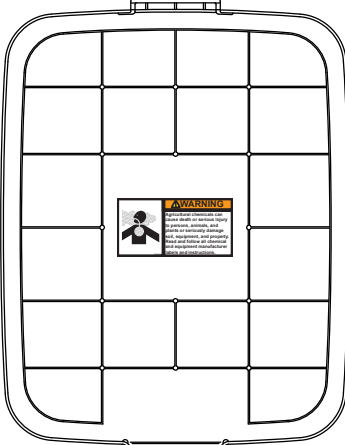
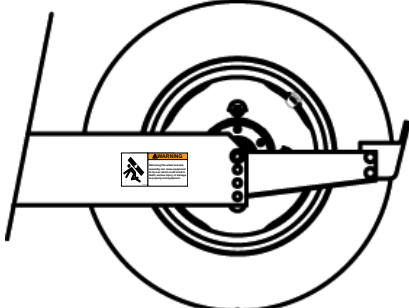


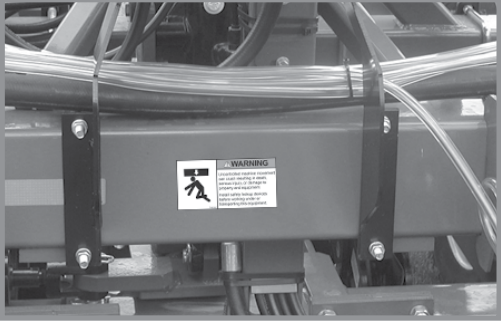
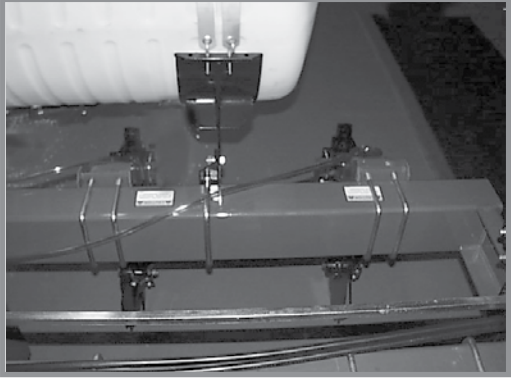
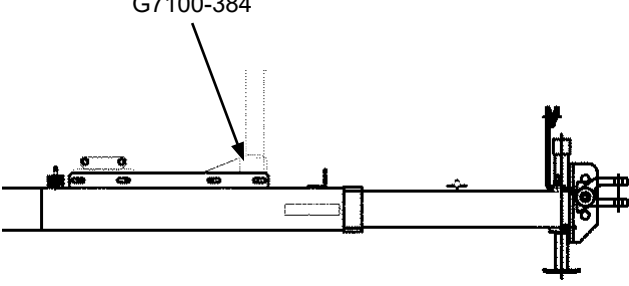
Part No.: G7100-385
Description: Decal, Warning
Quantity: 1 (Located On Interplant Lift Cylinder Lockup)

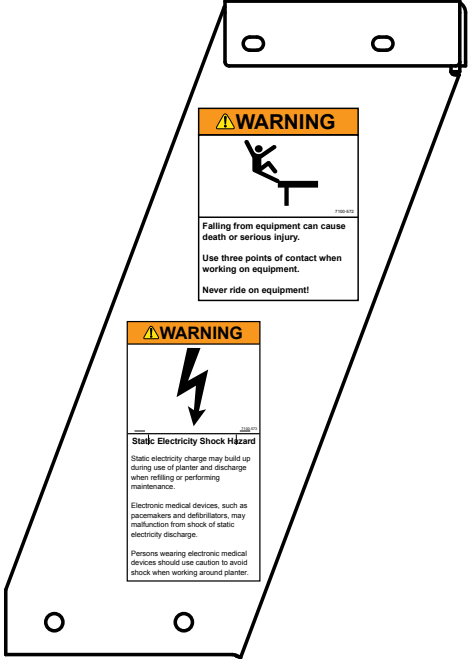
	 CAUTION Fan can start at any time. Operating fan can blow debris and has a high noise level. Always wear eye and hearing protection when working around fan. Part No.: G7100-392 Description: Decal, Caution Quantity: Qty. 2 Located On Each Side Of Fan on 6 Row; Qty. 1 on 8 Row
	 Part No.: G7100-558 Description: Reflective Decal, Amber, 2" x 9", Rectangular Quantity: Qty. 6 On 6 Row: Located on the front of planter toolbar and transport axle on outer ends, one located on each side of hitch. Qty. 7 On 8 Row: Located on the front of planter toolbar and transport axle on outer ends, one located in center. One located on each side of hitch.

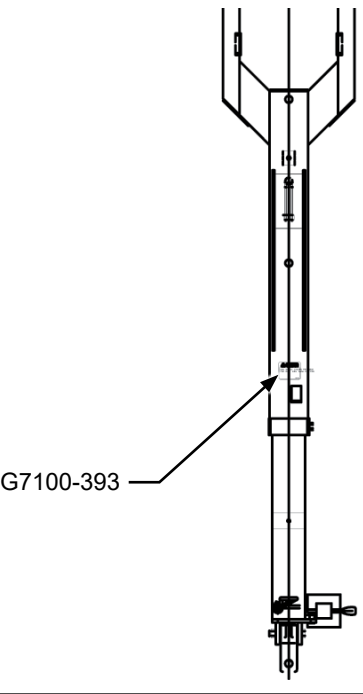
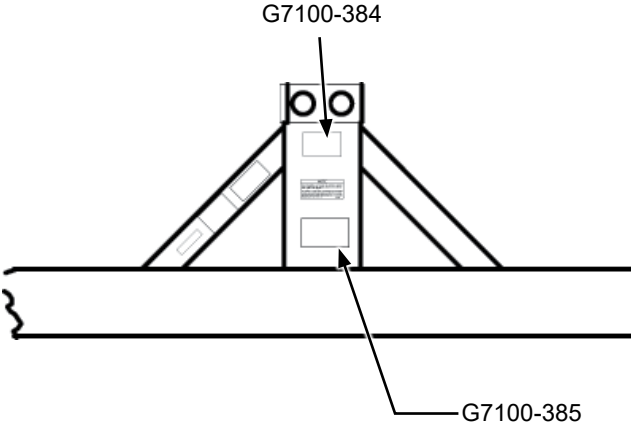
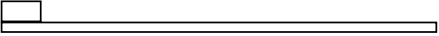
	 Part No.: G7100-558 Description: Reflective Decal, Amber, 2" x 9", Rectangular Quantity: 2 (Per Row Unit - Located On The Granular Chemical Hopper Panel Extension Of Every Other Row Unit Beginning On The L.H. Side Of The Planter - Side-Facing In Transport Position) Part No.: G7100-262 Description: Reflective Decal, Amber, 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)
	 Part No.: G7100-557 Description: Reflective Decal, Red, 2" x 9" Rectangular Quantity: 1 (Per Scraper - Located On Top) Part No.: G7100-559 Description: Reflective Decal, Orange, 2" x 9" Rectangular Quantity: 1 (Per Scraper - Located On Bottom)
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: 2 On 6 Row And 3 On 8 Row (Located On The Front Of Every Other Push Row Unit Beginning On The Second Row In - Side-Facing In Transport Position)

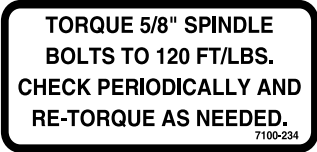
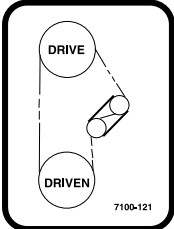
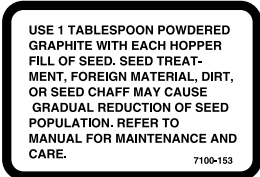
	Part No.: G7100-557 Description: Reflective Decal, Red, 2" x 9" Rectangular Quantity: 1 (Located On The Light Bracket On the L.H. Side Of The Planter - Rear-Facing In Transport Position) 1 (Located On The Outer Row Unit On the L.H. Side Of The Planter - Rear-Facing In Transport Position) Part No.: G7100-559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

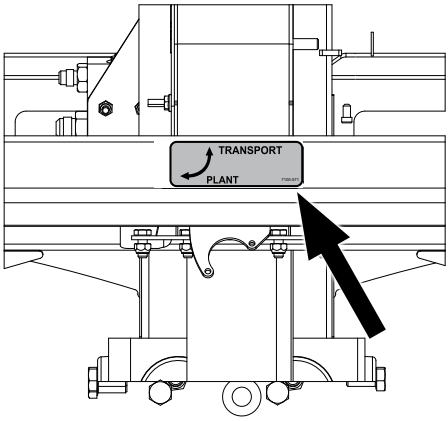
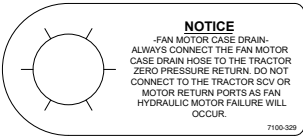
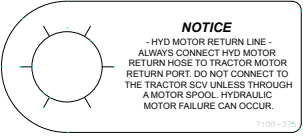
	 ⚠ WARNING Uncontrolled movement of planter components can cause death, serious injury, or damage to property and equipment. Raise planter and install cylinder lockups before folding. Fold on level ground. Install wing safety latches before towing. Part No.: G7100-402 Description: Decal, Warning Quantity: 1 (Located on Wheel Modules On Both Ends Of Planter)
	 ⚠ 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 Removing this wheel and axle assembly can cause equipment to tip over which could result in death, serious injury, or damage to property and equipment. Part No.: G7100-386 Description: Decal, Warning Quantity: 1

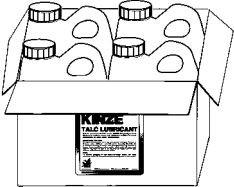
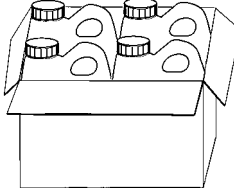
	 ⚠ WARNING Uncontrolled machine movement can crush resulting in death, serious injury, or damage to property and equipment. Install safety lockup devices before working under or transporting this equipment. Part No.: G7100-385 Description: Decal, Warning Quantity: 1
	 ⚠ WARNING Transporting planter with 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: 2 (Located On Top Of Toolbar 36" From L.H. End of Toolbar And 28" From R.H. End of Toolbar)  ⚠ 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: 2 (Located On Top Of Toolbar 51" From L.H. End of Toolbar And 43" From R.H. End of Toolbar)
	 ⚠ WARNING Uncontrolled movement of equipment can cause loss of control and could result in death, serious injury, or damage to property and equipment. Install all safety pins before transporting equipment. Part No.: G7100-384 Description: Decal, Warning Quantity: 2

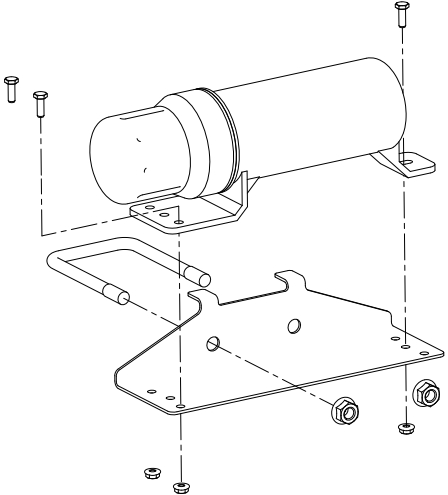
	! WARNING  7100-572 Falling from equipment can cause death or serious injury. Use three points of contact when working on equipment. Never ride on equipment!
	Part No.: G7100-572 Description: Decal, Warning Quantity: 1
	! WARNING  7100-573 Static Electricity Shock Hazard Static electricity charge may 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: 1

 G7100-393	 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
 G7100-384 G7100-385	 WARNING Uncontrolled movement of equipment can cause loss of control and could result in death, serious injury, or damage to property and equipment. Install all safety pins before transporting equipment. Part No.: G7100-384 Description: Decal, Warning Quantity: 2 (Front and Rear)  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.: GD2984 Description: Tie Strap, 33"-36" Part No.: GD1512 Description: Tie Strap, 7½" Part No.: GD2117 Description: Tie Strap, 14½" Part No.: GD2984 Description: Tie Strap, 34"

	Part No.: 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.: GD10057-19 Description: Hose Identification Sleeve, Orange CD
	Part No.: G7100-295 Description: Decal, Spring Tension Release Quantity: -
	Part No.: G7100-234 Description: Decal, Bolt Torque Quantity: -
	Part No.: G7100-387 Description: Decal, Warning Quantity: 1
	Part No.: G7100-121 Description: Decal, Transmission Quantity: 1
	Part No.: G7100-153 Description: Decal, Information Quantity: 1 Per Brush-Type Seed Meter
	Part No.: G7100-337 Description: Decal, Instruction

	 Part No.: G7100-571 Description: Decal, Transport Valve
	Part No.: G7100-329 Description: Tag, Fan Motor Case Drain
	Part No.: G7100-375 Description: Tag, Hydraulic Motor Return Line
	Part No.: G7100-352 Description: Decal, Tank Drain
	Part No.: G7100-111 Description: Decal, Oil Daily
	Part No.: G7100-116 Description: Decal, Grease Daily
	Part No.: G7100-110 Description: Decal, Grease Weekly
	Part No.: G7100-509 Description: Decal, Vacuum
	Part No.: G7100-508 Description: Decal, Bulk Fill

	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
	Part No.: GR2240MPP Description: Talc/Graphite Blend (80 Talc/20 Graphite), 8 Pound Container
	Part No.: GR2241MPP Description: Dispensing Cap, 10/Package
Not Available	Part No.: GR2217 Description: Fluency Agent Seed Flow Additive, Four 4.4 Pound Pails
	Part No.: G10074001 Description: Decal, Kinze 3505, 4" x 28.4" (2021-2023 Production) Quantity: 2 (1 On Each Side of Hitch)

	Part No.: G10227601 Description: Decal, Kinze 3505 Blue Drive, 4.63" x 45¼" (2022-2023 Production) Quantity: 2 (1 On Each Side of Hitch)
	Part No.: G10768801 Description: Decal, Kinze 3505, 3.59" x 28.48" (Classic) (2024 Production and On) Quantity: 2 (1 On Each Side of Hitch)
	Part No.: G10769301 Description: Decal, Kinze 3505, 3.8" x 32.41" (Blue Drive) (2024 Production and On) Quantity: 2 (1 On Each Side of Hitch)
	Part No.: G10769401 Description: Decal, Kinze 3505, 3.8" x 38.68" (True Speed) (2024 Production and On) Quantity: 2 (1 On Each Side of Hitch)
	Part No.: GM0302-01 Description: Operator Manual, Model 3505 Part No.: GM0302-02 Description: Parts Manual, Model 3505 Part No.: GPR1094 Description: Binder (Contact Kinze Repair Parts To Order)
	Part No.: GA15422 Description: Operator's Manual Canister Quantity: 1
	Part No.: GD22686 Description: Manual Canister Bracket Quantity: 1
	Part No.: GD16642 Description: U-Bolt, 3" x 4" x ½"-13 Quantity: 1
	Part No.: G10071 Description: Serrated Flange Nut, ½"-13 Quantity: 2
	Part No.: G11166 Description: Hex Socket Flange Cap Screw, ¼"-20 x ¾" Quantity: 3
	Part No.: G11320 Description: Lock Nut, ¼"-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
**G10108.....	P180	*A1195.....	P159	*A15081-24.....	P96	*A21533-36.....	P168
**G10939.....	P180	*A12015.....	P80	*A15081-24.....	P98	*A21535-40.....	P160
**GA19301.....	P226	*A12016.....	P78	*A15081-27.....	P162	*A21542-64.....	P162
**GD30859.....	P180	*A12016.....	P80	*A15081-27.....	P176	*A21542-64.....	P174
**R1038.....	P190	*A12016.....	P82	*A15081-30.....	P78	*A21546-180.....	P160
**R1039.....	P190	*A12016.....	P96	*A15081-32.....	P162	*A21548-150.....	P80
**R1040.....	P190	*A12016.....	P98	*A15081-32.....	P174	*A21548-174.....	P82
**R1041.....	P190	*A12016.....	P159	*A15081-95.....	P156	*A21548-174.....	P98
**R1042.....	P190	*A12016.....	P160	*A15081-98.....	P159	*A25487-70.....	P159
**R1046.....	P190	*A12038.....	P162	*A15082-140.....	P154	*A25487-70.....	P172
**R1048.....	P190	*A12038.....	P174	*A15082-140.....	P156	*A25504-19.....	P162
**R2365.....	P174	*A12038.....	P176	*A15082-140.....	P159	*A25504-19.....	P174
**R2366.....	P174	*A12080.....	P80	*A15082-154.....	P96	*A25690-58.....	P162
**R2367.....	P174	*A12080.....	P96	*A15082-154.....	P98	*A25690-58.....	P176
*A1002.....	P152	*A12080.....	P98	*A15082-172.....	P78	*A25690-67.....	P162
*A1018.....	P152	*A12081.....	P80	*A15082-172.....	P159	*A25690-67.....	P176
*A1018.....	P154	*A12767.....	P76	*A15082-77.....	P78	*A25701-170.....	P159
*A1018.....	P156	*A12767.....	P82	*A15082-77.....	P82	*A25707-68.....	P172
*A1018.....	P159	*A12924.....	P80	*A15082-77.....	P96	*A25707-72.....	P172
*A1021.....	P152	*A12925.....	P80	*A15082-77.....	P98	*A25710-73.....	P159
*A1026.....	P152	*A12937-24.....	P170	*A15083-137.....	P154	*A25710-73.....	P172
*A1041.....	P152	*A13870-101.....	P102	*A15083-137.....	P156	*A26166.....	P183
*A1055.....	P152	*A13870-116.....	P102	*A15083-137.....	P159	*A26673.....	P226
*A1076.....	P152	*A13870-118.....	P102	*A15090-86.....	P82	*A26936-114.....	P152
*A1078.....	P154	*A13870-123.....	P102	*A15090-86.....	P98	*A26936-114.....	P154
*A1078.....	P156	*A13870-133.....	P102	*A15092-106.....	P159	*A26936-114.....	P156
*A1078.....	P159	*A13870-137.....	P102	*A15092-74.....	P160	*A26936-114.....	P159
*A1090.....	P154	*A13870-149.....	P102	*A15092-74.....	P172	*A26936-272.....	P152
*A1090.....	P156	*A13870-72.....	P102	*A15092-95.....	P168	*A26938-152.....	P80
*A1090.....	P159	*A13870-74.....	P102	*A15092-98.....	P156	*A26938-174.....	P82
*A10918.....	P98	*A13870-82.....	P102	*A15092-98.....	P186	*A26938-174.....	P96
*A1109.....	P152	*A13870-93.....	P102	*A18667-24.....	P78	*A26938-174.....	P98
*A1109.....	P154	*A13870-97.....	P102	*A18667-26.....	P159	*A26939-120.....	P154
*A1109.....	P156	*A1434.....	P96	*A18667-72.....	P162	*A26939-120.....	P156
*A1109.....	P159	*A1434.....	P98	*A18667-72.....	P174	*A26939-120.....	P159
*A11407.....	P78	*A1460.....	P80	*A18668-152.....	P82	*A26940-260.....	P154
*A11407.....	P82	*A1462.....	P164	*A18668-152.....	P98	*A26940-260.....	P159
*A11407.....	P98	*A1465.....	P168	*A18668-172.....	P78	*A26941-174.....	P82
*A11407.....	P160	*A15000.....	P82	*A18668-172.....	P160	*A26941-174.....	P98
*A1141.....	P152	*A15000.....	P98	*A18671-30.....	P162	*A26949-74.....	P159
*A11447.....	P168	*A15000.....	P159	*A18671-30.....	P174	*A26949-74.....	P172
*A1153.....	P96	*A15023.....	P82	*A18679-40.....	P160	*A3115.....	P152
*A1153.....	P152	*A15023.....	P98	*A18679-73.....	P159	*A3278.....	P164
*A1155.....	P96	*A15064.....	P154	*A18679-73.....	P172	*A3292.....	P76
*A1155.....	P98	*A15064.....	P156	*A18687-170.....	P159	*A3292.....	P82
*A11810-68.....	P172	*A15064.....	P159	*A18692-180.....	P160	*A3352.....	P80
*A11810-72.....	P172	*A15077-260.....	P156	*A18693-150.....	P80	*A3368.....	P80
*A1194.....	P154	*A15081-12.....	P96	*A21525-77.....	P78	*A3369.....	P165
*A1194.....	P156	*A15081-12.....	P98	*A21525-77.....	P82	*A3370.....	P168
*A1194.....	P159	*A15081-128.....	P96	*A21525-77.....	P98	*A3371.....	P164
*A1195.....	P154	*A15081-128.....	P98	*A21525-77.....	P159	*A3371.....	P168
*A1195.....	P156	*A15081-21.....	P159	*A21533-36.....	P164	*A3371.....	P168

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
*A3372.....	P164	*D12252.....	P180	A24497.....	P156	G10004.....	P8
*A3393.....	P168	*D12252.....	P182	A24626.....	P123	G10004.....	P36
*A6201.....	P164	*D12256.....	P183	A24694.....	P156	G10004.....	P38
*A6206.....	P168	*D12257.....	P182	A24891.....	P156	G10004.....	P40
*A7677-20.....	P162	*D17151-20.....	P232	A24921.....	P156	G10004.....	P72
*A7677-20.....	P174	*D29649.....	P180	A25857.....	P162	G10004.....	P92
*A7678-13.....	P162	*D29649.....	P182	A26287.....	P30	G10004.....	P112
*A7678-13.....	P174	*D29692.....	P183	A6524.....	P177	G10004.....	P122
*A7678-19.....	P162	*D36495-30.....	P88	A7369.....	P131	G10004.....	P122
*A7678-19.....	P162	*D36495-30.....	P90	A8911.....	P156	G10004.....	P124
*A7678-19.....	P176	*D36495-46.....	P88	A9401.....	P123	G10004.....	P131
*A7678-20.....	P162	*D36495-46.....	P90	A9402.....	P123	G10004.....	P135
*A7678-20.....	P162	*D36495-50.....	P88	A9442.....	P183	G10004.....	P156
*A7678-20.....	P176	*D36495-50.....	P90	A9559.....	P156	G10004.....	P170
*A7680-10.....	P162	*D36495-60.....	P88	D13426.....	P177	G10004.....	P240
*A7680-10.....	P174	*D36495-60.....	P90	D17154.....	P140	G10004.....	P264
*A7680-11.....	P162	*GD35274-01.....	P108	D35903.....	P234	G10004.....	P253
*A7680-11.....	P176	*R1032.....	P190	G10001.....	P18	G10005.....	P14
*A7680-14.....	P162	*R1033.....	P190	G10001.....	P66	G10005.....	P120
*A7680-15.....	P162	*R1034.....	P190	G10001.....	P88	G10005.....	P122
*A7680-15.....	P176	*R1036.....	P190	G10001.....	P92	G10005.....	P122
*A7680-35.....	P162	*R1043.....	P190	G10001.....	P114	G10005.....	P124
*A7680-35.....	P174	*R1044.....	P190	G10001.....	P116	G10005.....	P142
*A7680-35.....	P176	*R1047.....	P190	G10001.....	P116	G10005.....	P164
*A7681-58.....	P162	*R2281.....	P187	G10001.....	P129	G10005.....	P165
*A7682-11.....	P176	*R2283.....	P187	G10001.....	P164	G10006.....	P121
*A7682-25.....	P162	*R2300.....	P187	G10001.....	P165	G10006.....	P125
*A7682-25.....	P176	*R2301.....	P187	G10001.....	P168	G10006.....	P127
*A7682-35.....	P162	*R2302.....	P187	G10001.....	P172	G10006.....	P146
*A7682-35.....	P176	*R2303.....	P187	G10001.....	P200	G10006.....	P186
*A7682-58.....	P162	*R2304.....	P187	G10001.....	P206	G10007.....	P91
*A8213.....	P96	*R2305.....	P187	G10001.....	P232	G10007.....	P118
*A8213.....	P98	*R2307.....	P187	G10001.....	P234	G10007.....	P120
*A8261.....	P80	*R2308.....	P187	G10001.....	P239	G10007.....	P239
*A8274.....	P80	*R2309.....	P187	G10001.....	P256	G10007.....	P254
*A8279.....	P168	2501-16-20.....	P164	G10002.....	P14	G10007.....	P264
*A8280.....	P80	2501-16-20.....	P168	G10002.....	P31	G10008.....	P142
*A8280.....	P164	2503-20.....	P170	G10002.....	P72	G10008.....	P144
*D12050.....	P180	6400-04.....	P176	G10002.....	P170	G10010.....	P16
*D12051.....	P180	6400-04.....	P193	G10002.....	P174	G10010.....	P36
*D12108.....	P182	6400-08.....	P152	G10002.....	P186	G10010.....	P38
*D12110.....	P182	6400-08.....	P154	G10002.....	P242	G10010.....	P186
*D12202.....	P180	6400-08.....	P180	G10002701.....	P110	G10010.....	P245
*D12203.....	P180	6400-08.....	P182	G10003.....	P4	G10011.....	P242
*D12206.....	P180	6400-08.....	P188	G10003.....	P12	G10011101.....	P8
*D12209.....	P180	6408-HHP-16.....	P194	G10003.....	P58	G10011201.....	P8
*D12227.....	P182	6410-16-08.....	P170	G10003.....	P92	G10011301.....	P58
*D12228.....	P182	6602-08.....	P96	G10003.....	P142	G10011401.....	P58
*D12233.....	P183	700-01078.....	P24	G10003.....	P144	G10013.....	P18
*D12235.....	P183	700-01339.....	P26	G10003.....	P168	G10013.....	P264
*D12236.....	P183	8647x.....	P204	G10003.....	P256	G10013101.....	P128
*D12239.....	P180	A18933.....	P70	G10003.....	P258	G10013201.....	P230

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G10014	P4	G10036	P256	G10060901	P215	G10101	P144
G10014	P16	G10037	P6	G10060901	P221	G10101	P164
G10014	P114	G10037	P64	G10060902	P215	G10101	P200
G10014	P125	G10037	P64	G10060902	P221	G10101	P204
G10014	P174	G10037	P70	G10061	P4	G10101	P236
G10014	P226	G10037	P124	G10061	P12	G10101	P240
G10016	P66	G10037	P129	G10061	P20	G10101	P256
G10016	P240	G10037	P134	G10062	P92	G10101	P256
G10017	P135	G10037	P174	G10062	P156	G10101	P258
G10017	P136	G10037	P176	G10063	P73	G10101	P264
G10017	P172	G10037	P256	G10063	P90	G10101	P264
G10017	P174	G10038	P136	G10064	P18	G10102	P66
G10017	P176	G10038	P148	G10064	P114	G10102	P67
G10017	P242	G10038	P256	G10064	P116	G10102	P87
G10017	P252	G10038601	P4	G10064	P123	G10102	P89
G10017	P226	G10038601	P60	G10064	P124	G10102	P90
G10017201	P104	G10039	P240	G10064	P129	G10102	P92
G10017301	P104	G10040	P140	G10064	P264	G10102	P122
G10018	P176	G10041	P38	G10069	P186	G10102	P122
G10018801	P14	G10043	P93	G10069	P232	G10102	P124
G10019	P140	G10045	P91	G10069	P234	G10102	P129
G10019	P140	G10045	P148	G10071	P4	G10102	P134
G10019	P146	G10045	P150	G10071	P6	G10102	P134
G10019	P170	G10046	P242	G10071	P12	G10102	P136
G10019	P206	G10047	P4	G10071	P64	G10102	P136
G10019001	P218	G10047	P116	G10071	P70	G10102	P142
G10020	P24	G10047	P118	G10071	P114	G10102	P144
G10020501	P129	G10047	P135	G10071	P122	G10102	P148
G10021	P24	G10047	P146	G10071	P127	G10102	P148
G10021	P176	G10047	P242	G10071	P174	G10102	P150
G10022	P24	G10047	P247	G10071	P176	G10102	P150
G10023	P31	G10047801	P168	G10071	P276	G10102	P165
G10023	P88	G10048	P10	G10071	P226	G10102	P168
G10023	P110	G10048	P122	G10074001	P275	G10102	P172
G10023	P128	G10048	P124	G10074801	P215	G10102	P242
G10023	P164	G10048201	P168	G10074801	P221	G10102	P247
G10023	P168	G10048301	P168	G10087001	P159	G10102	P252
G10023	P170	G10048401	P168	G10087001	P168	G10102	P254
G10023	P172	G10049	P240	G10087001	P170	G10102	P256
G10023	P230	G10049501	P172	G10088301	P40	G10102	P256
G10026	P125	G10049501	P215	G10088301	P72	G10102	P264
G10026	P127	G10049501	P237	G10090401	P14	G10102301	P76
G10026	P129	G10053	P91	G10098201	P159	G10102301	P78
G10027	P128	G10053	P134	G10098201	P170	G10103	P124
G10028601	P16	G10053	P256	G10098301	P172	G10103	P124
G10028701	P16	G10053801	P195	G10098401	P172	G10104	P8
G10028801	P16	G10053801	P198	G10099301	P128	G10104	P58
G10033	P123	G10053801	P198	G10100	P240	G10104	P102
G10034	P120	G10056	P264	G10101	P18	G10104	P117
G10034401	P128	G10057501	P108	G10101	P61	G10104	P122
G10036	P34	G10058001	P108	G10101	P124	G10104	P122
G10036	P88	G10060301	P46	G10101	P132	G10104	P123

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G10104	P125	G10108	P73	G10110	P124	G10159	P146
G10104	P134	G10108	P90	G10110	P150	G10159	P148
G10104	P142	G10108	P92	G10110	P164	G10164001	P78
G10104	P142	G10108	P110	G10110	P168	G10164001	P100
G10104	P144	G10108	P116	G10110	P172	G10164001	P159
G10104	P146	G10108	P118	G10110	P174	G10168	P148
G10104	P165	G10108	P122	G10110	P264	G10168	P150
G10104	P240	G10108	P122	G10111	P18	G10168	P150
G10104	P242	G10108	P122	G10111	P34	G10168	P256
G10104	P242	G10108	P122	G10111	P91	G10169	P117
G10104	P242	G10108	P125	G10111	P123	G10169	P120
G10104	P247	G10108	P125	G10111	P135	G10169501	P226
G10104	P252	G10108	P132	G10111	P140	G10169701	P195
G10104	P254	G10108	P142	G10111	P174	G10169701	P198
G10104	P256	G10108	P146	G10111	P206	G10169701	P198
G10104	P256	G10108	P156	G10111	P240	G10170701	P194
G10105	P127	G10108	P156	G10111	P240	G10171	P76
G10105	P128	G10108	P165	G10111	P240	G10171	P78
G10105	P129	G10108	P168	G10111	P242	G10171	P88
G10105	P239	G10108	P170	G10111	P243	G10171	P89
G10105	P254	G10108	P172	G10112	P122	G10171	P108
G10105	P264	G10108	P177	G10114001	P226	G10171	P164
G10105001	P128	G10108	P211	G10116601	P12	G10171	P252
G10106	P88	G10108	P232	G10118	P120	G10171	P252
G10106	P132	G10108	P234	G10120	P124	G10172	P125
G10106	P140	G10108	P239	G10120	P186	G10172	P264
G10106	P140	G10108	P240	G10122301	P4	G10177	P134
G10106	P186	G10108	P242	G10122301	P60	G10177501	P48
G10106	P252	G10108	P242	G10128	P134	G10177601	P48
G10106	P252	G10108	P258	G10128	P136	G10177701	P48
G10106	P252	G10108	P264	G10129501	P108	G10179206	P226
G10106	P252	G10108302	P52	G10130	P67	G10180301	P116
G10106	P252	G10109	P18	G10130	P133	G10181201	P50
G10107	P18	G10109	P20	G10130	P256	G10192101	P210
G10107	P34	G10109	P36	G10131	P133	G10199801	P54
G10107	P88	G10109	P38	G10132501	P108	G10201	P21
G10107	P88	G10109	P66	G10133	P18	G10201	P30
G10107	P118	G10109	P93	G10133	P36	G10201	P61
G10107	P121	G10109	P112	G10133	P207	G10201	P92
G10107	P164	G10109	P114	G10133	P252	G10201	P252
G10107	P186	G10109	P116	G10140501	P89	G10201	P252
G10107	P243	G10109	P146	G10146001	P12	G10203	P135
G10108	P4	G10109	P164	G10153101	P50	G10206	P123
G10108	P4	G10109	P170	G10157	P117	G10207	P4
G10108	P12	G10109101	P108	G10157	P118	G10207	P60
G10108	P20	G10110	P30	G10157	P120	G10208201	P46
G10108	P21	G10110	P88	G10159	P142	G10208301	P46
G10108	P30	G10110	P91	G10159	P142	G10208401	P50
G10108	P58	G10110	P98	G10159	P142	G10209	P12
G10108	P61	G10110	P114	G10159	P144	G10209	P70
G10108	P70	G10110	P116	G10159	P144	G10209	P129
G10108	P73	G10110	P122	G10159	P144	G10209	

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G10210	P118	G10228	P142	G10230	P120	G10237	P240
G10210701	P72	G10228	P144	G10230	P120	G10239	P122
G10210701	P221	G10228	P148	G10230	P122	G10242601	P110
G10210801	P40	G10228	P148	G10230	P122	G10242801	P110
G10210801	P221	G10228	P150	G10230	P123	G10242801	P215
G10210901	P221	G10228	P150	G10230	P125	G10242801	P221
G10211901	P215	G10228	P150	G10230	P134	G10243001	P230
G10211901	P221	G10228	P165	G10230	P142	G10246001	P104
G10213501	P48	G10228	P168	G10230	P142	G10246301	P104
G10213502	P41	G10228	P172	G10230	P144	G10251	P110
G10213601	P40	G10228	P174	G10230	P146	G10252	P218
G10213601	P72	G10228	P176	G10230	P165	G10253	P98
G10213601	P221	G10228	P247	G10230	P240	G10257	P110
G10213601	P221	G10228	P252	G10230	P240	G10258402	P4
G10213602	P40	G10228	P254	G10230	P242	G10263501	P52
G10213602	P72	G10228	P256	G10230	P242	G10265001	P110
G10213602	P221	G10228	P256	G10230	P242	G10265601	P40
G10213602	P221	G10228	P264	G10230	P247	G10265601	P72
G10216	P16	G10229	P18	G10230	P252	G10266501	P26
G10217	P117	G10229	P31	G10230	P254	G10266701	P40
G10217	P164	G10229	P36	G10230	P256	G10266701	P72
G10217	P243	G10229	P38	G10230	P256	G10266901	P110
G10218301	P46	G10229	P85	G10230	P264	G10267101	P110
G10220	P239	G10229	P88	G10230	P264	G10267401	P72
G10225X	P164	G10229	P122	G10230101	P72	G10267501	P40
G10227	P78	G10229	P131	G10230701	P46	G10267601	P40
G10227	P124	G10229	P135	G10231	P122	G10267601	P72
G10227	P125	G10229	P135	G10231	P125	G10269201	P215
G10227	P136	G10229	P144	G10231	P127	G10269201	P221
G10227	P140	G10229	P164	G10231	P128	G10269201	P236
G10227	P164	G10229	P170	G10231	P129	G10284	P58
G10227	P168	G10229	P200	G10231	P254	G10288701	P159
G10227	P170	G10229	P204	G10231	P264	G10288701	P172
G10227	P248	G10229	P236	G10232	P88	G10292	P255
G10227601	P276	G10229	P240	G10232	P132	G10301201	P104
G10228	P6	G10229	P240	G10232	P140	G10302401	P40
G10228	P16	G10229	P247	G10232	P242	G10302501	P108
G10228	P64	G10229	P256	G10232	P252	G10303	P66
G10228	P66	G10229	P256	G10232	P252	G10303	P131
G10228	P67	G10229	P258	G10232	P252	G10303	P132
G10228	P87	G10229	P264	G10232	P252	G10303	P134
G10228	P88	G10229	P264	G10232	P252	G10303	P252
G10228	P89	G10229302	P54	G10233	P66	G10303	P252
G10228	P90	G10229401	P211	G10233	P132	G10303	P256
G10228	P92	G10230	P8	G10233	P134	G10305	P92
G10228	P122	G10230	P16	G10233	P245	G10305	P124
G10228	P122	G10230	P18	G10233	P249	G10306	P132
G10228	P124	G10230	P58	G10233	P256	G10306	P242
G10228	P129	G10230	P88	G10234201	P73	G10306	P258
G10228	P134	G10230	P91	G10235	P132	G10307	P61
G10228	P136	G10230	P102	G10235	P170	G10308	P12
G10228	P136	G10230	P117	G10236	P122	G10308	P18

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G10309	P20	G10338	P114	G10427101	P38	G10485	P254
G10309	P58	G10338	P116	G10428401	P146	G10488902	P110
G10310	P10	G10339301	P159	G10428601	P146	G10495103	P104
G10310	P30	G10339301	P170	G10428701	P146	G10496	P67
G10312	P4	G10349401	P194	G10428901	P210	G10496	P134
G10312	P30	G10349601	P234	G10429001	P41	G10496	P248
G10314	P148	G10349701	P78	G10429001	P52	G10500	P24
G10315	P30	G10349801	P78	G10429101	P24	G10500901	P4
G10318701	P48	G10350301	P128	G10429301	P24	G10500901	P60
G10320201	P50	G10357401	P172	G10430	P133	G10501	P132
G10320401	P52	G10357401	P237	G10436101	P129	G10501	P256
G10320601	P72	G10363101	P172	G10437	P122	G10501	P256
G10322	P240	G10366201	P46	G10438	P4	G10502X	P1
G10322501	P16	G10370	P131	G10439801	P227	G10503	P36
G10323	P24	G10374301	P236	G10450	P243	G10503	P38
G10325	P14	G10375101	P236	G10451	P58	G10503	P91
G10325	P30	G10375201	P236	G10451	P174	G10503	P256
G10325	P110	G10375401	P72	G10453	P133	G10504X	P55
G10326	P21	G10375501	P72	G10455	P135	G10506301	P54
G10327701	P236	G10375601	P236	G10455	P248	G10507	P239
G10328	P104	G10379601	P206	G10457	P122	G10510601	P226
G10329801	P20	G10382201	P159	G10459	P240	G10510701	P226
G10331001	P170	G10396	P264	G10459801	P50	G10527	P135
G10331401	P215	G10396901	P172	G10460	P135	G10529	P108
G10331401	P221	G10397801	P14	G10460	P142	G10531	P40
G10331501	P215	G10397801	P16	G10460	P142	G10531	P72
G10331501	P221	G10397801	P245	G10460	P142	G10535	P67
G10331601	P215	G10399801	P159	G10460	P144	G10536	P142
G10331601	P221	G10399801	P170	G10460	P144	G10536	P144
G10331701	P215	G10399901	P160	G10460	P144	G10536	P146
G10331701	P221	G10399901	P170	G10460	P146	G10544	P150
G10333401	P172	G10401	P24	G10460	P148	G10545501	P46
G10333501	P160	G10401101	P207	G10460	P247	G10545601	P52
G10333501	P170	G10401101	P210	G10460	P252	G10546	P20
G10333601	P170	G10402701	P4	G10460	P264	G10546	P32
G10333801	P170	G10403	P98	G10463	P58	G10551	P4
G10334701	P16	G10403	P125	G10463	P142	G10551	P60
G10334801	P16	G10403	P164	G10463	P144	G10564	P174
G10334901	P16	G10403	P168	G10470	P24	G10567	P20
G10335001	P16	G10403601	P130	G10475	P26	G10567	P32
G10335101	P16	G10403701	P130	G10475	P28	G10567	P176
G10335201	P16	G10407101	P129	G10475701	P4	G10567801	P172
G10336501	P174	G10408	P248	G10476201	P26	G10568101	P188
G10336801	P40	G10409	P248	G10477101	P226	G10570	P32
G10337001	P215	G10409	P256	G10477201	P226	G10574	P247
G10337001	P221	G10412	P132	G10478	P256	G10581	P88
G10337701	P207	G10416001	P226	G10478401	P26	G10584701	P226
G10337701	P210	G10418802	P40	G10483101	P28	G10587	P252
G10338	P10	G10418802	P72	G10483101	P28	G10588	P252
G10338	P20	G10425401	P46	G10483101	P28	G10592	P172
G10338	P87	G10425501	P46	G10483201	P28	G10592	P240
G10338	P112	G10425701	P46	G10483401	P28	G10594	P240

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G10595901	P92	G10621	P31	G10670	P252	G10765	P38
G10596001	P92	G10621	P58	G10670	P256	G10765	P121
G10599	P18	G10621	P70	G10671	P118	G10770	P177
G10599	P61	G10621	P78	G10671	P127	G10779	P127
G10599	P70	G10621	P110	G10672	P252	G10800501	P72
G10599	P73	G10621	P123	G10672	P254	G10809	P85
G10599	P240	G10621	P129	G10672	P264	G10810	P127
G10600701	P226	G10621	P130	G10674	P254	G10821	P135
G10602	P20	G10621	P168	G10674	P254	G10821	P248
G10602	P24	G10621	P176	G10676	P88	G10825101	P89
G10602	P32	G10621	P230	G10676	P90	G10826	P264
G10602	P132	G10622	P12	G10676	P252	G10829	P254
G10602	P135	G10622	P14	G10681	P85	G10830	P88
G10602	P247	G10622	P40	G10681	P174	G10842301	P200
G10603	P24	G10622	P72	G10681	P255	G10842401	P200
G10604	P24	G10622	P129	G10690	P24	G10844	P150
G10606	P127	G10622	P206	G10693	P258	G10860	P135
G10610401	P91	G10626	P254	G10706401	P76	G10860X	P48
G10614301	P28	G10626	P256	G10706401	P99	G10862	P88
G10615	P256	G10626	P264	G10716	P122	G10862	P92
G10617801	P40	G10626	P253	G10716	P127	G10862	P240
G10617901	P72	G10629	P254	G10717	P122	G10863401	P90
G10618501	P48	G10629	P256	G10718	P58	G10864	P30
G10619	P253	G10633	P254	G10722	P150	G10870	P135
G10620	P4	G10636	P34	G10724301	P52	G10871	P242
G10620	P10	G10636	P127	G10724901	P172	G10871601	P16
G10620	P30	G10638	P124	G10724901	P215	G10871701	P16
G10620	P40	G10640	P125	G10724901	P221	G10871801	P16
G10620	P70	G10640	P142	G10724901	P237	G10874	P123
G10620	P72	G10640	P142	G10725	P150	G10880	P76
G10620	P76	G10640	P144	G10732	P8	G10892X	P48
G10620	P78	G10640	P144	G10732	P58	G10893X	P48
G10620	P87	G10640	P146	G10737701	P237	G10901	P254
G10620	P89	G10640	P148	G10740701	P122	G10901301	P34
G10620	P90	G10640	P240	G10745401	P4	G10907	P182
G10620	P92	G10640	P242	G10745401	P204	G10917X	P55
G10620	P131	G10640	P252	G10746	P93	G10918	P176
G10620	P134	G10641	P135	G10746	P122	G10918X	P55
G10620	P206	G10641	P239	G10749X	P41	G10920X	P1
G10620	P207	G10643	P247	G10750X	P48	G10921X	P1
G10620	P232	G10649801	P215	G10751	P8	G10923	P67
G10620	P234	G10649801	P221	G10751	P8	G10923	P133
G10620	P245	G10649801	P237	G10751	P58	G10923	P256
G10620	P256	G10652801	P38	G10751	P132	G10923601	P48
G10621	P128	G10652901	P38	G10752	P8	G10928	P48
G10621	P10	G10655	P252	G10752	P20	G10928	P52
G10621	P12	G10660	P32	G10756	P264	G10931	P54
G10621	P12	G10664901	P28	G10757	P30	G10931	P110
G10621	P20	G10665001	P28	G10758	P30	G10932	P180
G10621	P24	G10665101	P28	G10758	P110	G10932	P182
G10621	P24	G10670	P30	G10763901	P93	G10939	P114
G10621	P30	G10670	P31	G10765	P36	G10939	P116

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G10939	P146	G11018	P64	G11113601	P104	G11232	P132
G10939	P177	G11042X	P28	G11115301	P230	G11236	P36
G10940	P16	G11043301	P117	G11119301	P215	G11236	P38
G10941101	P192	G11044001	P117	G11119301	P221	G11237	P255
G10941101	P193	G11044201	P117	G11123	P40	G11249	P40
G10945001	P192	G11044401	P117	G11123	P227	G11249	P72
G10945001	P193	G11044501	P117	G11124	P73	G11261	P108
G10946702	P215	G11047X	P28	G11124	P76	G11281	P28
G10946702	P221	G11048X	P28	G11124	P78	G11284	P110
G10949902	P50	G11051001	P48	G11124	P99	G11290	P118
G10954	P226	G11065	P110	G11124	P100	G11297	P52
G10958	P177	G11066	P140	G11124	P204	G11314	P127
G10959201	P192	G11066	P140	G11124	P226	G11320	P76
G10959201	P193	G11067	P46	G11124X	P48	G11320	P93
G10960	P40	G11067	P54	G11125001	P208	G11320	P104
G10960	P72	G11067	P226	G11125201	P208	G11320	P276
G10961	P40	G11068901	P93	G11125501	P208	G11328	P104
G10961	P108	G11069001	P92	G11126001	P210	G11332X	P28
G10961	P245	G11073	P32	G11126701	P210	G11334	P146
G10966	P30	G11075	P134	G11126801	P210	G11340X	P48
G10968	P67	G11075	P248	G11126901	P210	G11341	P236
G10973901	P104	G11078	P136	G11133	P73	G11360	P102
G10974	P36	G11078	P248	G11135	P174	G11383	P236
G10974	P38	G11081	P128	G11137	P87	G11385	P30
G10983101	P28	G11091	P8	G11142	P90	G11385	P32
G10983201	P28	G11091	P10	G11143701	P215	G11385	P92
G10983301	P28	G11091	P12	G11143701	P221	G11385	P114
G10984X	P1	G11091	P66	G11145	P87	G11385	P116
G10985X	P55	G11091	P90	G11147	P88	G11385	P128
G10991	P90	G11091	P92	G11147	P90	G11385	P164
G10991	P242	G11091	P92	G11152X	P28	G11385	P168
G10991	P258	G11091	P104	G11153X	P28	G11385	P174
G10992	P140	G11091	P114	G11154X	P28	G11385	P176
G10992	P140	G11091	P114	G11160	P201	G11385	P264
G10992	P226	G11091	P116	G11166	P73	G11386	P16
G10992X	P48	G11091	P116	G11166	P276	G11386	P66
G10994	P255	G11091	P124	G11172	P28	G11386	P88
G11009	P12	G11091	P124	G11182	P108	G11386	P89
G11009	P24	G11091	P130	G11200	P172	G11386	P108
G11009	P28	G11091	P200	G11201	P52	G11386	P108
G11009	P70	G11091	P201	G11202	P46	G11386	P140
G11009	P114	G11091	P253	G11202	P211	G11386	P140
G11009	P116	G11100	P136	G11202	P226	G11386	P146
G11009201	P234	G11100	P248	G11203	P78	G11386	P164
G11013001	P10	G11105001	P227	G11209	P30	G11386	P170
G11013701	P20	G11105X	P28	G11213	P12	G11386	P176
G11013701	P112	G11106	P230	G11215	P232	G11386	P186
G11013701	P114	G11106X	P28	G11215	P234	G11386	P242
G11013701	P116	G11107X	P28	G11220	P6	G11386	P252
G11015	P4	G11109	P165	G11223	P120	G11386	P252
G11015	P60	G11109	P168	G11228	P36	G11386	P252
G11018	P6	G11113501	P104	G11228	P38	G11387	P4

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G11387	P4	G11389	P254	G11528	P226	G1K248	P203
G11387	P18	G11391	P6	G11539	P70	G1K248	P138
G11387	P18	G11391	P18	G11539	P72	G1K252	P200
G11387	P20	G11391	P64	G11551X	P48	G1K252	P203
G11387	P21	G11391	P92	G11556	P28	G1K252	P138
G11387	P30	G11391	P118	G11556	P50	G1K253	P132
G11387	P61	G11391	P120	G11578	P28	G1K268	P204
G11387	P73	G11391	P127	G11578	P52	G1K268	P232
G11387	P73	G11391	P132	G11588	P226	G1K268	P138
G11387	P76	G11391	P142	G11591	P4	G1K296	P16
G11387	P78	G11391	P144	G11591	P60	G1K320	P200
G11387	P88	G11391	P146	G11592	P4	G1K320	P204
G11387	P88	G11391	P150	G11592	P60	G1K320	P138
G11387	P92	G11391	P165	G11604	P132	G1K321	P200
G11387	P99	G11391	P174	G11618	P28	G1K321	P204
G11387	P100	G11391	P239	G11619	P28	G1K321	P138
G11387	P116	G11391	P240	G11619	P50	G1K322	P204
G11387	P122	G11391	P243	G11619	P52	G1K331	P67
G11387	P129	G11391	P245	G11693	P28	G1K345	P18
G11387	P132	G11391	P264	G11704	P73	G1K362	P203
G11387	P135	G11391	P264	G11729	P46	G1K363	P203
G11387	P146	G11392	P36	G11770	P54	G1K378	P136
G11387	P152	G11392	P38	G11793	P32	G1K378	P248
G11387	P165	G11392	P264	G11847	P156	G1K395	P138
G11387	P168	G11396	P118	G11848	P76	G1K396	P138
G11387	P170	G11396	P142	G11848	P78	G1K426	P84
G11387	P172	G11396	P144	G11848	P99	G1K534	P58
G11387	P174	G11396	P264	G11848	P100	G1K535	P58
G11387	P211	G11400	P142	G11859	P186	G1K758	P8
G11387	P240	G11400	P142	G11862	P18	G1K759	P58
G11387	P240	G11400	P144	G11874	P118	G1K774	P40
G11387	P242	G11400	P144	G11875	P174	G2100-03	P66
G11387	P247	G11400	P146	G11929	P70	G2100-03	P131
G11387	P256	G11400	P148	G11958	P12	G2100-03	P135
G11387	P258	G11401	P110	G11960	P41	G2100-03	P256
G11389	P6	G11408	P92	G11960	P211	G2403-06	P154
G11389	P36	G11409	P130	G11961	P211	G2403-06	P156
G11389	P38	G11409	P226	G11965	P27	G2403-08	P159
G11389	P58	G11418	P150	G11976	P8	G2403-12	P170
G11389	P64	G11418	P226	G11976	P8	G2406-08-06	P96
G11389	P66	G11419	P18	G11976	P58	G2406-08-06	P98
G11389	P70	G11448	P26	G11981	P41	G2406-10-08	P168
G11389	P73	G11448	P28	G11983	P54	G2406-12-08	P168
G11389	P140	G11453	P136	G11986	P46	G2603-06	P96
G11389	P172	G11453	P248	G11994	P52	G2603-06	P98
G11389	P174	G11472	P226	G11995	P46	G2603-06	P174
G11389	P176	G11514	P8	G11996	P40	G2603-06	P176
G11389	P206	G11514	P8	G11996	P46	G2700-06-06	P80
G11389	P240	G11514	P58	G11996	P72	G2700-08	P152
G11389	P242	G11514	P58	G12103	P208	G2700-10	P80
G11389	P243	G11520	P128	G12212-08	P208	G2700-12	P80
G11389	P247	G11522	P108	G1K248	P200	G2701-06	P80

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
G2701-10.....	P80	G6400-06.....	P85	G6801-06.....	P100	G7100-116.....	P274
G2701-10.....	P170	G6400-06.....	P190	G6801-06.....	P227	G7100-121.....	P273
G2701-12.....	P80	G6400-10.....	P85	G6801-06-04.....	P76	G7100-153.....	P273
G304-C-6.....	P154	G6400-10.....	P164	G6801-06-04.....	P99	G7100-234.....	P273
G304-C-6.....	P156	G6400-10.....	P168	G6801-06-08.....	P76	G7100-262.....	P267
G304-C-6.....	P168	G6400-10.....		G6801-06-08.....	P98	G7100-295.....	P273
G304-C-6.....	P176	G6400-12.....	P85	G6801-06-08.....	P122	G7100-329.....	P274
G304-C-8.....	P156	G6400-12.....	P165	G6801-06-08.....	P152	G7100-337.....	P273
G304-C-8.....	P168	G6400-12.....	P194	G6801-06-08.....	P154	G7100-352.....	P274
G304-C-8.....	P170	G6400-12-10.....	P197	G6801-06-08.....	P156	G7100-375.....	P274
G304-C-8.....	P174	G6408-06.....	P85	G6801-06-08.....	P196	G7100-381.....	P269
G306-06.....	P80	G6408-08.....	P180	G6801-06-08.....	P197	G7100-384.....	P270
G306-08.....	P152	G6408-08.....	P182	G6801-06-10.....	P96	G7100-384.....	P272
G306-10.....	P80	G6408-08.....	P183	G6801-06-10.....	P98	G7100-385.....	P265
G306-10.....	P170	G6408-10.....	P194	G6801-06-10.....	P168	G7100-385.....	P265
G306-12.....	P80	G6408-12.....	P85	G6801-08.....	P152	G7100-385.....	P270
G3302-09.....	P164	G6408-12.....	P194	G6801-08.....	P154	G7100-385.....	P270
G3303-103.....	P10	G6408-H06-O.....	P191	G6801-08.....	P156	G7100-385.....	P272
G3303-108.....	P8	G6408-H06-O.....	P196	G6801-08.....	P186	G7100-386.....	P269
G3303-108.....	P30	G6408-H06-O.....	P197	G6801-08.....	P195	G7100-387.....	P273
G3303-108.....	P114	G6408-H08-0.....	P191	G6801-08.....	P198	G7100-389.....	P269
G3303-108.....	P116	G6408-H08-0.....	P196	G6801-08.....	P198	G7100-392.....	P266
G3303-114.....	P30	G6408-H08-0.....	P197	G6801-08-10.....	P76	G7100-393.....	P272
G3303-120.....	P114	G6408-H10-0.....	P96	G6801-08-10.....	P99	G7100-397.....	P265
G3303-120.....	P116	G6408-H10-0.....	P98	G6801-08-12.....	P174	G7100-400.....	P270
G3303-16.....	P8	G6500-06.....	P83	G6801-10.....	P83	G7100-402.....	P269
G3303-34.....	P10	G6500-08.....	P78	G6801-10.....	P164	G7100-484.....	P277
G3303-44.....	P10	G6500-08.....	P100	G6801-10.....	P194	G7100-508.....	P234
G3303-88.....	P10	G6500-08.....	P196	G6801-10.....	P227	G7100-508.....	P274
G3303-96.....	P58	G6500-08.....	P197	G6801-10-12.....	P164	G7100-509.....	P234
G3303-98.....	P8	G6500-10.....	P227	G6801-12.....	P168	G7100-509.....	P274
G3305-03.....	P264	G6500-12.....	P164	G6801-12.....	P170	G7100-557.....	P267
G3310-100.....	P134	G6500-12.....	P168	G6801-12.....	P172	G7100-557.....	P267
G3310-116.....	P132	G6500-12.....	P197	G6801-12-10.....	P83	G7100-557.....	P268
G3310-122.....	P66	G6502-06.....	P152	G6801-12-10.....	P164	G7100-558.....	P266
G3310-124.....	P132	G6502-06.....	P154	G6801-12-10.....	P168	G7100-558.....	P267
G3310-155.....	P248	G6502-06.....	P156	G6801-16-20.....	P164	G7100-558.....	P267
G3310-80.....	P135	G6502-08.....	P186	G6801-20.....	P172	G7100-558.....	P268
G3310-88.....	P256	G6502-12.....	P165	G6801-L-06-08.....	P78	G7100-559.....	P267
G3310-92.....	P134	G6602-06.....	P154	G6801-L-06-08.....	P100	G7100-559.....	P267
G3324-01.....	P118	G6602-06.....	P156	G6801-LL-10.....	P194	G7100-559.....	P268
G3400-01.....	P66	G6602-06.....	P174	G6801-LL-12.....	P170	G7100-571.....	P274
G3400-01.....	P131	G6602-06.....	P176	G6803-04-04-04.....	P192	G7100-573.....	P271
G3400-01.....	P135	G6602-08.....	P156	G6804-04-04-04.....	P193	G7100-636.....	P226
G3400-01.....	P256	G6602-10.....	P98	G6804-08.....	P170	G9881X.....	P245
G4200-01.....	P264	G6602-12.....	P168	G6804-12.....	P164	G9897X.....	P28
G4200-02.....	P254	G6801-04-04.....	P174	G6804-12.....	P168	G9903X.....	P28
G4200-03.....	P254	G6801-04-04.....	P176	G6804-12-12-8.....	P164	G9978X.....	P118
G4301-02.....	P255	G6801-04-04.....	P192	G6815-06-04.....	P188	GA0237.....	P239
G4301-04.....	P255	G6801-04-04.....	P193	G6835-16-16-16.....	P170	GA0245.....	P150
G4602-01.....	P254	G6801-06.....	P78	G7100-110.....	P274	GA0257.....	P150
G6325X.....	P8	G6801-06.....	P83	G7100-111.....	P274	GA0378.....	P133

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GA0898	P252	GA12109	P242	GA14112	P253	GA17544	P206
GA10036	P245	GA12143	P20	GA14127	P140	GA17544	P210
GA10037	P245	GA12163	P120	GA14128	P92	GA17547	P138
GA10047	P242	GA12164	P120	GA14135	P110	GA17547	P204
GA10048	P242	GA12178	P134	GA14152	P172	GA17547	P232
GA10137	P20	GA12235	P36	GA14412	P128	GA18311	P245
GA10151	P10	GA12236	P36	GA14413	P127	GA18353	P130
GA10151	P20	GA12330	P258	GA14446	P168	GA18486	P200
GA10151	P112	GA12358	P140	GA14448	P208	GA18486	P201
GA10157	P4	GA12403	P110	GA14449	P208	GA18630-116	P160
GA10603	P256	GA12403	P204	GA14450	P210	GA18667-24	P160
GA10635	P73	GA12537	P207	GA14452	P210	GA18822	P261
GA10709	P117	GA12539	P208	GA14599	P232	GA19432	P96
GA10799	P232	GA12557	P206	GA14599	P234	GA19432	P98
GA10799	P234	GA12557	P210	GA14822	P92	GA2007	P20
GA10812	P88	GA12558	P207	GA14822	P104	GA2007	P58
GA10917	P165	GA12559	P207	GA14846	P138	GA20111	P28
GA10918	P96	GA12559	P210	GA14847	P206	GA2012L	P14
GA10918	P98	GA12596	P210	GA14847	P232	GA2012R	P14
GA10918	P164	GA12598	P210	GA15081-30	P160	GA2014	P36
GA10918	P168	GA12626	P140	GA15081-98	P154	GA2014	P38
GA10924	P200	GA12812	P206	GA15082-77	P159	GA2014	P186
GA11023	P88	GA12812	P210	GA15151	P150	GA2019	P24
GA11024	P256	GA12812	P232	GA15197	P18	GA2020	P24
GA11079	P120	GA12812	P232	GA15416	P240	GA20252	P188
GA11085	P73	GA12812	P138	GA15416	P242	GA20270	P197
GA11086	P73	GA12813	P138	GA15422	P276	GA20271	P196
GA11154	P232	GA12852	P208	GA15485	P12	GA20271	P197
GA11155	P232	GA12853	P208	GA15485	P40	GA20272	P196
GA11201	P122	GA12858	P138	GA15485	P70	GA20272	P197
GA11295	P88	GA12868	P208	GA15485	P72	GA20283	P168
GA11296	P88	GA12937-24	P159	GA15499	P96	GA20583	P261
GA11298	P87	GA13169	P140	GA15499	P98	GA20622	P28
GA11301	P88	GA13204	P128	GA16082	P204	GA20640	P10
GA11331	P66	GA13512	P140	GA16157	P253	GA20640	P20
GA11331	P248	GA13521	P211	GA16351	P206	GA20640	P114
GA11481-116	P160	GA13551	P200	GA16374	P10	GA20640	P116
GA11528	P122	GA13551	P232	GA16391	P138	GA2068	P132
GA11699	P232	GA13562	P208	GA16391	P215	GA20686	P127
GA11810-68	P159	GA13572	P208	GA16391	P221	GA20711	P12
GA11810-72	P159	GA13665	P120	GA16393	P210	GA20711	P70
GA11934	P85	GA13673	P120	GA16428	P253	GA20711	P215
GA11971	P58	GA13762	P142	GA16826	P207	GA20712	P221
GA11982	P6	GA13762	P144	GA16826	P210	GA20765	P138
GA11982	P64	GA13762	P148	GA17034	P92	GA20822	P190
GA11987	P73	GA13783	P120	GA17066	P128	GA20902	P12
GA11988	P140	GA13944	P138	GA17066	P128	GA20902	P70
GA11991	P140	GA13986	P117	GA17113	P168	GA20902	P204
GA11992	P140	GA14031	P112	GA1720	P8	GA20914	P12
GA11997	P140	GA14041	P92	GA1720	P10	GA20914	P70
GA12080	P159	GA14049	P253	GA17542	P206	GA21067	P191
GA12108	P242	GA14078	P92	GA17542	P210	GA21067	P196

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GA21067	P197	GA22555-27	P224	GA24649	P208	GA25384	P176
GA21143	P230	GA22555-90	P224	GA24676	P28	GA25388	P76
GA21158	P148	GA22555-94	P218	GA24694	P159	GA25388	P78
GA21158	P152	GA22555-94	P218	GA24694	P182	GA25388	P99
GA21158	P159	GA22556-100	P218	GA24695	P182	GA25388	P100
GA21158	P183	GA22556-134	P224	GA24715	P186	GA25389	P188
GA21159	P183	GA22556-91	P218	GA24752	P28	GA25390	P188
GA21309	P114	GA22556-91	P224	GA24754	P142	GA25399-36	P230
GA21309	P116	GA22585	P215	GA24754	P144	GA25399-36	P218
GA21405	P140	GA22585	P218	GA24754	P146	GA25399-36	P224
GA21406	P232	GA22585	P221	GA24757	P92	GA25401	P174
GA21406	P234	GA22585	P224	GA24758	P92	GA25403	P188
GA21451	P12	GA22793	P140	GA24825	P128	GA25404	P188
GA21451	P70	GA22793	P140	GA24826	P127	GA25413	P206
GA21451	P215	GA22901	P96	GA24829	P128	GA25427	P90
GA21482	P116	GA22901	P98	GA24857	P189	GA25437	P230
GA21487	P152	GA24239	P34	GA24873	P22	GA25441	P90
GA21487	P180	GA24281	P230	GA24877	P28	GA25512	P165
GA21510	P76	GA24284	P230	GA24878	P28	GA25513	P76
GA21510	P78	GA24285	P230	GA24887	P210	GA25704-166	P160
GA21536-166	P160	GA24365	P91	GA24889	P58	GA25707-68	P160
GA21676	P16	GA24366	P92	GA24891	P159	GA25707-72	P159
GA21677	P16	GA24373	P66	GA25023	P226	GA25836	P122
GA21687	P218	GA24374	P91	GA25029	P12	GA25838	P128
GA21687	P12	GA24376	P91	GA25029	P70	GA25857	P174
GA21728	P122	GA24377	P91	GA25029	P215	GA25949	P12
GA2180	P66	GA24378	P92	GA25031	P215	GA25949	P40
GA22273	P140	GA24381	P92	GA25031	P221	GA25949	P70
GA22278	P252	GA24414	P93	GA25034	P99	GA25949	P72
GA22522	P215	GA24422	P156	GA25034	P100	GA25949	P218
GA22522	P221	GA24425	P89	GA25035	P99	GA25950	P218
GA22547	P215	GA24426	P76	GA25035	P100	GA25982	P188
GA22547	P221	GA24426	P99	GA25036	P99	GA25993	P226
GA22554-120	P218	GA24429	P99	GA25036	P100	GA26005	P188
GA22554-120	P224	GA24429	P100	GA25038	P12	GA26007	P207
GA22554-20	P218	GA24487-100	P218	GA25038	P70	GA26104	P104
GA22554-20	P224	GA24488-27	P218	GA25038	P215	GA26173	P215
GA22554-20	P236	GA24488-27	P224	GA25039	P215	GA26173	P218
GA22554-265	P218	GA24488-27	P224	GA25084	P70	GA26173	P221
GA22554-265	P224	GA24488-64	P218	GA25203	P12	GA26173	P224
GA22554-325	P218	GA24488-96	P218	GA25214	P12	GA26287	P31
GA22554-325	P224	GA24495	P186	GA25214	P215	GA26297	P60
GA22554-36	P218	GA24496	P186	GA25240	P176	GA26374	P230
GA22554-36	P224	GA24501	P201	GA25257	P174	GA26375	P215
GA22554-36	P236	GA24507	P93	GA25258	P174	GA26398	P76
GA22554-360	P218	GA24511	P146	GA25261	P162	GA26683	P226
GA22554-360	P224	GA24513	P146	GA25261	P174	GA26684	P226
GA22554-360	P236	GA24515	P92	GA25261	P176	GA26685	P226
GA22554-375	P218	GA24543	P83	GA25261	P187	GA26686	P226
GA22554-375	P224	GA24546	P73	GA25284	P168	GA26687	P226
GA22555-110	P224	GA24561	P127	GA25304	P114	GA26688	P226
GA22555-20	P218	GA24605	P201	GA25304	P116	GA26709	P12

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GA26709	P215	GA27105	P164	GA5385	P200	GA7154	P136
GA26876	P150	GA27105	P168	GA5385	P221	GA7154	P256
GA26885	P215	GA27133	P46	GA5552	P190	GA7208	P264
GA26885	P221	GA27134	P46	GA5600	P203	GA7209	P264
GA26909	P150	GA27146	P4	GA5624	P135	GA7211	P264
GA26920	P14	GA27158	P104	GA5624	P247	GA7239	P240
GA26924-01	P152	GA27159	P104	GA5629	P135	GA7240	P240
GA26924-01	P154	GA3893	P256	GA5654	P36	GA7336	P135
GA26924-01	P156	GA4286	P239	GA5654	P38	GA7336	P247
GA26924-02	P152	GA4287	P239	GA5667	P252	GA7375	P253
GA26924-02	P154	GA4293	P85	GA5699	P26	GA7434	P127
GA26924-02	P156	GA4444	P31	GA5887	P239	GA7543	P127
GA26924-03	P152	GA4620	P256	GA5917	P253	GA7694-166	P160
GA26924-03	P154	GA4693	P128	GA6147	P204	GA7695-116	P160
GA26924-03	P156	GA4976	P254	GA6171	P16	GA7696-180	P160
GA26924-04	P152	GA4976	P264	GA6171	P18	GA7850	P204
GA26924-04	P154	GA4995	P117	GA6171	P18	GA7850	P206
GA26924-04	P156	GA5090	P132	GA6171	P18	GA7850	P210
GA26924-05	P80	GA5105	P132	GA6171	P245	GA7853	P204
GA26924-05	P82	GA5105	P134	GA6337	P248	GA7853	P206
GA26924-06	P80	GA5105	P135	GA6418	P122	GA7853	P210
GA26924-06	P82	GA5105	P248	GA6420	P121	GA7854	P204
GA26924-11	P80	GA5106	P135	GA6422	P121	GA7855	P204
GA26924-11	P82	GA5106	P135	GA6434	P18	GA7857	P204
GA26924-11	P96	GA5107	P66	GA6435	P127	GA7859	P204
GA26924-11	P98	GA5107	P132	GA6436	P252	GA8021	P204
GA26926	P227	GA5107	P135	GA6437	P252	GA8022	P204
GA26928	P128	GA5107	P248	GA6442	P142	GA8046	P204
GA26958	P18	GA5108	P135	GA6497	P125	GA8047	P200
GA26980	P41	GA5108	P135	GA6529	P129	GA8047	P204
GA26989	P28	GA5109	P135	GA6579	P247	GA8092	P67
GA26999	P54	GA5110	P135	GA6597	P18	GA8135	P211
GA27001	P41	GA5111	P135	GA6608	P122	GA8326	P32
GA27001	P46	GA5112	P135	GA6608	P125	GA8328	P232
GA27002	P40	GA5113	P135	GA6608	P156	GA8328	P138
GA27002	P48	GA5114	P132	GA6623	P122	GA8329	P232
GA27003	P46	GA5114	P248	GA6741	P30	GA8329	P138
GA27004	P46	GA5115	P248	GA6849	P127	GA8343	P24
GA27005	P46	GA5116	P135	GA6850	P124	GA8364	P32
GA27007	P52	GA5116	P247	GA6858	P142	GA8366	P32
GA27008	P40	GA5121	P88	GA6858	P144	GA8371	P31
GA27013	P50	GA5121	P91	GA6859	P142	GA8603	P34
GA27014	P50	GA5121	P124	GA6859	P144	GA8603	P242
GA27015	P50	GA5146	P135	GA6884	P189	GA8641	P34
GA27023	P48	GA5157	P131	GA6884	P189	GA8688	P240
GA27038	P38	GA5164	P133	GA6907	P30	GA8689	P240
GA27038	P36	GA5165	P133	GA6960	P264	GA8699	P117
GA27084	P46	GA5188	P144	GA6961	P264	GA8760	P36
GA27097	P131	GA5188	P148	GA6966	P242	GA8882	P180
GA27102	P164	GA5194	P256	GA7022	P122	GA8882	P182
GA27102	P168	GA5202	P135	GA7153	P125	GA8884	P180
GA27102	P170	GA5229	P247	GA7154	P66	GA8888	P180

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GA8888	P182	GB0239	P18	GB0445	P112	GB1195	P104
GA8911	P127	GB0254	P18	GB0446	P112	GB1196	P104
GA8911	P152	GB0259	P136	GB0455	P112	GB1197	P104
GA8911	P159	GB0265	P4	GB0455	P114	GB1199	P104
GA8911	P177	GB0266	P4	GB0455	P116	GB1201	P104
GA8931	P260	GB0266	P60	GB0464	P36	GB1203	P104
GA9096	P200	GB0267	P4	GB0464	P38	GB1204	P104
GA9130	P200	GB0267	P60	GB0554	P150	GB1206	P108
GA9144	P204	GB0268	P18	GB0574	P112	GB1216	P90
GA9152	P200	GB0274	P4	GB0673	P108	GB1216	P102
GA9153	P200	GB0274	P60	GB0675	P108	GB1218	P40
GA9153	P221	GB0276	P16	GB0676	P28	GB1223	P8
GA9433	P242	GB0278	P20	GB0697	P27	GB1223	P58
GA9434	P242	GB0278	P32	GB0717	P114	GB1224	P8
GA9437	P242	GB0282	P18	GB0717	P116	GB1224	P8
GA9472	P245	GB0285	P4	GB0780	P27	GB1224	P58
GA9547	P112	GB0287	P133	GB0815	P27	GB1224	P58
GA9559	P122	GB0296	P242	GB0818	P28	GB1225	P150
GA9559	P152	GB0309	P123	GB0823	P27	GB1231	P28
GA9559	P159	GB0314	P8	GB0901	P114	GB1237	P28
GA9559	P177	GB0314	P58	GB0901	P116	GB1240	P54
GA9564	P242	GB0322	P242	GB0905	P108	GB1242	P54
GA9714	P22	GB0323	P242	GB0907	P28	GB1246	P54
GA9819	P242	GB0366	P8	GB0920	P28	GB1247	P54
GA9820	P242	GB0383	P36	GB0921	P28	GB1249	P90
GA9840	P123	GB0383	P38	GB0926	P12	GB1250	P46
GA9846	P132	GB0387	P36	GB0926	P28	GB1251	P46
GA9963	P138	GB0387	P38	GB0926	P70	GB1255	P46
GA9964	P232	GB0389	P64	GB0926	P114	GB1256	P46
GA9964	P138	GB0389	P176	GB0926	P116	GB1257	P46
GA9978	P204	GB0390	P64	GB0958	P28	GB1275	P50
GA9978	P204	GB0391	P64	GB0968	P61	GB1276	P50
GB0110	P24	GB0392	P64	GB1084	P26	GB1281	P52
GB0115	P32	GB0393	P6	GB1090	P204	GB1282	P52
GB0116	P32	GB0395	P6	GB1090	P204	GB1288	P52
GB0120	P24	GB0396	P6	GB1090	P206	GB1289	P41
GB0156	P117	GB0397	P6	GB1090	P206	GB1289	P52
GB0186	P8	GB0397	P64	GB1090	P210	GB1291	P41
GB0198	P252	GB0400	P242	GB1090	P210	GB1291	P52
GB0199	P252	GB0405	P242	GB1090	P204	GB1306	P50
GB0200	P252	GB0409	P125	GB1107	P26	GB1307	P50
GB0205	P239	GB0410	P24	GB1123	P26	GB1313	P88
GB0206	P240	GB0428	P114	GB1124	P26	GB1313	P116
GB0206	P264	GB0428	P116	GB1130	P26	GD0453-02	P142
GB0209	P240	GB0430	P54	GB1131	P26	GD0453-03	P144
GB0210	P240	GB0430	P104	GB1132	P26	GD0453-03	P148
GB0218	P121	GB0430	P112	GB1133	P26	GD0453-05	P142
GB0218	P131	GB0430	P114	GB1134	P26	GD0453-06	P142
GB0218	P239	GB0430	P116	GB1147	P26	GD0453-08	P144
GB0218	P264	GB0431	P102	GB1147	P27	GD0453-08	P148
GB0230	P125	GB0431	P104	GB1148	P26	GD0740	P122
GB0234	P125	GB0444	P104	GB1171	P26	GD0740	P122

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GD0746	P148	GD10984	P30	GD11558	P242	GD13287	P242
GD0746	P150	GD10991	P16	GD11579	P180	GD13302	P182
GD0752-41	P142	GD10993	P4	GD11579	P182	GD13303	P182
GD0752-41	P144	GD10993	P60	GD11649	P58	GD13309	P245
GD0829	P172	GD11001	P4	GD11677	P34	GD13348	P203
GD0829	P264	GD1104	P240	GD11700	P85	GD13400	P177
GD0840	P150	GD11045	P67	GD11700	P188	GD13401	P127
GD0914-12.5	P66	GD11045	P133	GD11700	P255	GD13425	P177
GD0914-155	P66	GD11045	P256	GD11721	P87	GD13457	P142
GD0914-165	P133	GD11079	P207	GD11721	P89	GD1379	P252
GD0914-215	P66	GD11089	P200	GD11721	P90	GD1380	P252
GD0914-225	P133	GD11089	P203	GD11721	P140	GD14106	P122
GD10036	P6	GD11089	P207	GD11747	P22	GD14217	P8
GD10036	P8	GD1109	P18	GD11751	P142	GD14258	P232
GD10057-01	P273	GD11123	P254	GD11751	P144	GD14258	P138
GD10057-02	P273	GD11124	P254	GD11751	P148	GD14413	P135
GD10057-03	P273	GD1113	P8	GD11784	P38	GD14413	P248
GD10057-04	P273	GD1113	P58	GD11787	P24	GD14427	P135
GD10057-19	P172	GD1113	P102	GD11950	P177	GD14427	P248
GD10057-19	P273	GD1113	P123	GD11953	P245	GD14431	P135
GD10057-20	P174	GD1113	P240	GD11962	P21	GD14431	P248
GD10110	P254	GD1113	P242	GD11962	P30	GD14432	P135
GD10129	P124	GD1113	P242	GD11999	P177	GD14432	P248
GD10196	P264	GD1113	P242	GD1200	P252	GD14660	P232
GD10242	P240	GD1113	P256	GD1207	P252	GD14660	P138
GD1026	P21	GD1114	P58	GD1209	P252	GD15100	P120
GD1026	P30	GD11158	P256	GD1210	P252	GD1512	P272
GD1026	P61	GD11218	P61	GD12101	P183	GD1514	P253
GD1026	P131	GD11219	P30	GD12103	P180	GD1514	P264
GD1026	P135	GD11239	P20	GD12103	P182	GD1515	P253
GD1026	P242	GD11239	P32	GD1213	P252	GD1515	P264
GD1026	P247	GD11240	P32	GD1213	P252	GD1516	P253
GD10273	P240	GD11259	P4	GD12206	P182	GD1516	P264
GD10283	P150	GD11259	P60	GD12239	P182	GD1517	P253
GD10303	P240	GD11264	P58	GD12501	P177	GD1517	P264
GD10304	P240	GD11279	P22	GD12502	P177	GD15386	P142
GD1041	P24	GD11286	P24	GD12510	P183	GD15386	P144
GD1042	P24	GD11297	P32	GD12518	P180	GD15386	P146
GD10487	P240	GD11305	P30	GD1255	P133	GD15538	P135
GD10519	P36	GD11306	P14	GD1256	P133	GD15698	P24
GD10519	P38	GD1132	P36	GD12561	P22	GD15699	P26
GD10532	P125	GD1132	P38	GD12561	P22	GD15725	P120
GD1059L	P31	GD1134	P247	GD12561	P112	GD15791-03	P87
GD1059R	P31	GD1134	P252	GD12676	P242	GD15791-06	P87
GD1060	P31	GD11395	P93	GD12677	P243	GD15792-18	P88
GD1061	P32	GD11413	P20	GD12679	P242	GD15799	P87
GD1063	P32	GD11413	P32	GD12685	P242	GD15804	P232
GD1065	P21	GD11424	P31	GD12724	P124	GD15804	P234
GD10731	P122	GD11474	P211	GD13170	P177	GD15849-02	P232
GD1083	P24	GD11490	P128	GD13172	P177	GD15849-02	P234
GD1085	P18	GD11528	P24	GD13173	P177	GD15850	P88
GD10963	P30	GD11557	P242	GD13250	P125	GD15854	P88

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GD15856-01	P88	GD17245	P120	GD21142	P142	GD26274	P92
GD15863	P73	GD1747	P254	GD21142	P144	GD26288	P40
GD16034	P165	GD18010	P140	GD21142	P148	GD26288	P72
GD16034	P168	GD18010	P138	GD21143	P142	GD26293	P41
GD16035	P164	GD18011	P64	GD21143	P144	GD26593	P28
GD16036	P164	GD18011	P140	GD21143	P146	GD26598	P245
GD16037	P159	GD18078	P140	GD2115	P264	GD26697	P89
GD16037	P164	GD18112	P140	GD2117	P272	GD26970	P176
GD16037	P168	GD18118	P211	GD21278	P232	GD26973	P36
GD16037	P170	GD18119	P140	GD21300	P76	GD26973	P38
GD16038	P164	GD18168	P211	GD21300	P78	GD26989	P201
GD16038	P168	GD18176	P207	GD21300	P99	GD26989	P236
GD16038	P170	GD18274	P140	GD21300	P100	GD27190	P201
GD16040	P164	GD18407	P208	GD21337	P8	GD27190	P236
GD16040	P168	GD18408	P208	GD21398	P252	GD2721	P142
GD16040	P170	GD1862	P253	GD21540	P150	GD2721	P144
GD16046	P201	GD18704	P24	GD2161	P142	GD2721	P148
GD16154	P88	GD18796	P138	GD2161	P144	GD2721	P264
GD16155	P88	GD19212	P92	GD2161	P148	GD27232	P177
GD16156	P87	GD19212	P92	GD2169	P122	GD27233	P183
GD16157	P256	GD19237	P140	GD2169	P127	GD27235	P180
GD16188	P85	GD19238	P140	GD2199	P265	GD27235	P182
GD16226	P120	GD19292	P34	GD22200	P226	GD2734-18	P248
GD16233	P73	GD19333	P24	GD22686	P276	GD27607	P108
GD16241	P73	GD19343	P135	GD22965	P200	GD28354	P226
GD16245	P4	GD19343	P248	GD23774	P10	GD28363	P226
GD16245	P60	GD19383-03	P92	GD23995	P6	GD28372	P234
GD16251	P88	GD19383-03	P172	GD2412	P252	GD28390	P4
GD16303	P120	GD19468	P120	GD2423	P30	GD28631	P28
GD16328	P117	GD19508	P54	GD24353	P128	GD29315	P196
GD16341	P122	GD19508	P102	GD24354	P128	GD29315	P197
GD16561	P116	GD19508	P114	GD24386	P108	GD29318	P188
GD16608	P165	GD19508	P116	GD24545	P4	GD29318	P194
GD16612	P165	GD19509	P54	GD24545	P58	GD29318	P196
GD16613	P165	GD19509	P112	GD24754	P108	GD29318	P197
GD16640	P165	GD19509	P114	GD24879-01	P108	GD29319	P188
GD16642	P122	GD19509	P116	GD2548-15.5	P249	GD29319	P194
GD16642	P276	GD19658-03	P90	GD25521-02	P108	GD29321	P198
GD17014	P4	GD19659-08	P102	GD25522	P96	GD29321	P194
GD17052	P20	GD19690-03	P108	GD25522	P96	GD29321	P195
GD17052	P116	GD19690-04	P108	GD25522	P98	GD29321	P196
GD17141	P140	GD19690-05	P108	GD25568	P58	GD29321	P197
GD17143	P140	GD19690-06	P108	GD25569	P58	GD29321	P198
GD17150-01	P140	GD19790	P24	GD2558	P102	GD29339	P112
GD17150-02	P140	GD19852	P104	GD2558	P132	GD29413	P12
GD17150-10	P140	GD19864	P104	GD2558	P134	GD29413	P70
GD17150-11	P140	GD20060	P253	GD2558	P135	GD29413	P114
GD17150-12	P140	GD20282	P110	GD2558	P247	GD29413	P116
GD17151-06	P138	GD20456	P127	GD25644	P76	GD29459	P58
GD17156	P140	GD20595	P102	GD25644	P78	GD2947	P30
GD17156	P140	GD20923	P108	GD2597	P150	GD29507	P20
GD1719	P256	GD21080	P104	GD26146	P18	GD29689	P183

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GD2971-10	P30	GD34103	P100	GD35472	P58	GD36952-02	P40
GD2971-26	P90	GD34104	P156	GD35491	P90	GD36954	P50
GD2971-31	P14	GD34178	P127	GD35573	P186	GD36959	P52
GD29798	P4	GD34287	P148	GD35609	P12	GD36961	P41
GD29798	P114	GD34372	P102	GD35609	P40	GD36990	P14
GD2984	P272	GD34701	P92	GD35609	P70	GD37001	P108
GD2984	P272	GD34702	P92	GD35609	P72	GD37049	P104
GD30571	P196	GD34762	P148	GD35628	P70	GD3777-10	P88
GD30571	P197	GD34763	P148	GD35629	P12	GD3777-11	P88
GD30622	P136	GD34765	P98	GD35629	P40	GD4086	P96
GD30624	P135	GD34774	P28	GD35629	P70	GD4086	P98
GD30631	P180	GD34923	P239	GD35629	P72	GD4743	P122
GD30631	P182	GD34923	P264	GD35784-01	P26	GD4887-01	P134
GD30632	P180	GD35011	P99	GD35835	P174	GD5625	P92
GD30697	P182	GD35011	P100	GD35836	P12	GD5752	P132
GD30725	P14	GD35058	P12	GD35836	P70	GD5753	P132
GD30725	P36	GD35126	P92	GD35837	P12	GD5756	P131
GD30725	P38	GD35127	P118	GD35837	P70	GD5756	P135
GD30726	P12	GD35211	P176	GD35838	P12	GD5827	P131
GD30726	P218	GD35230	P176	GD35838	P70	GD5827	P134
GD30726	P236	GD35231	P176	GD35844	P108	GD5835	P135
GD30882	P76	GD35271	P192	GD35847	P73	GD5857	P121
GD30882	P78	GD35271	P193	GD35857	P108	GD5857	P131
GD30882	P99	GD35275	P249	GD35858	P114	GD5857	P135
GD30882	P100	GD35294	P76	GD35904-01	P174	GD5857	P247
GD31424	P88	GD35294	P78	GD35904-01	P176	GD5857	P256
GD31424	P90	GD35294	P99	GD3612	P4	GD5875	P125
GD31424	P102	GD35294	P100	GD3612	P60	GD5875	P142
GD31450	P134	GD35314	P188	GD36264	P124	GD5875	P144
GD31466	P245	GD35339	P118	GD36277	P30	GD5875	P146
GD3180-05	P186	GD35340	P118	GD36388	P12	GD5886	P247
GD3180-27	P88	GD35349	P12	GD36388	P70	GD5886	P249
GD3180-28	P88	GD35381	P170	GD36680	P226	GD6279-03	P174
GD3180-28	P92	GD35420	P215	GD36681	P226	GD6279-05	P85
GD3180-30	P6	GD35420	P218	GD36682	P226	GD6279-07	P170
GD3180-30	P64	GD35420	P221	GD36709	P16	GD6291	P172
GD33511	P191	GD35420	P224	GD36713	P16	GD6291	P200
GD33595	P92	GD35422	P196	GD36756	P174	GD6551	P135
GD33756	P230	GD35422	P197	GD36820	P226	GD6553	P239
GD33757	P230	GD35434	P90	GD36821	P226	GD6783	P123
GD33758	P230	GD35435	P90	GD36822	P226	GD6825-10.5	P132
GD33759	P230	GD35437	P90	GD36856	P14	GD7127	P135
GD33953	P92	GD35444	P14	GD36860	P14	GD7127	P248
GD33958	P92	GD35447	P76	GD36866	P152	GD7137	P122
GD34015	P156	GD35447	P78	GD36866	P154	GD7148	P32
GD34021-02	P26	GD35449	P12	GD36866	P156	GD7258	P32
GD34071	P92	GD35449	P70	GD36922	P24	GD7318	P21
GD34081	P124	GD35449	P72	GD36928	P206	GD7426	P131
GD34098	P76	GD35459	P174	GD36936	P46	GD7426	P135
GD34103	P76	GD35465	P230	GD36938	P46	GD7426	P247
GD34103	P78	GD3547	P264	GD36951	P40	GD7803	P34
GD34103	P99	GD35471	P58	GD36951	P72	GD7804	P34

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GD7805	P121	GM0302-01	P276	GR1037	P154	GR1411	P67
GD7805	P122	GM0302-02	P276	GR1037	P156	GR1412	P67
GD7822	P135	GPR1094	P276	GR1037	P170	GR1413	P67
GD7848	P252	GR0146MPP	P275	GR1037	P180	GR1414	P211
GD7867	P249	GR0150	P150	GR1037	P180	GR1415	P211
GD7870	P247	GR0151	P150	GR1037	P182	GR1465	P176
GD7900	P239	GR0188	P239	GR1037	P182	GR1465	P193
GD7904-02	P240	GR0193	P125	GR1037	P183	GR1466	P188
GD7907	P240	GR0193	P127	GR1037	P186	GR1466	P227
GD7907	P264	GR0196	P30	GR1037	P188	GR1466	P76
GD7908	P239	GR0196	P58	GR1037	P190	GR1466	P78
GD7908	P264	GR0196	P114	GR1037	P191	GR1466	P83
GD7912	P240	GR0196	P116	GR1037	P195	GR1466	P83
GD7962	P239	GR0196	P8	GR1037	P196	GR1466	P85
GD8224	P240	GR0270	P127	GR1037	P196	GR1466	P99
GD8238	P239	GR0375	P125	GR1037	P197	GR1466	P100
GD8239	P240	GR0375	P127	GR1037	P197	GR1466	P164
GD8247	P239	GR0434	P127	GR1037	P198	GR1466	P164
GD8276	P240	GR0508	P253	GR1037	P122	GR1466	P164
GD8306	P67	GR0515	P117	GR1045	P227	GR1466	P168
GD8306	P92	GR0516	P117	GR1045	P78	GR1466	P168
GD8306	P174	GR0586	P204	GR1045	P83	GR1466	P191
GD8306	P206	GR0664	P24	GR1045	P85	GR1466	P194
GD8460	P18	GR0761	P192	GR1045	P85	GR1466	P194
GD8751	P203	GR0761	P193	GR1045	P100	GR1466	P194
GD8770	P204	GR0880	P256	GR1045	P190	GR1466	P196
GD8771	P204	GR0881	P256	GR1045	P190	GR1466	P197
GD8778	P26	GR0882	P256	GR1045	P191	GR1467	P85
GD8893-01	P61	GR0883	P256	GR1045	P196	GR1467	P85
GD8893-07	P118	GR0911	P248	GR1045	P197	GR1467	P164
GD9047	P136	GR0912	P66	GR1090	P186	GR1467	P164
GD9051	P127	GR0912	P132	GR1104	P258	GR1467	P164
GD9077	P133	GR0912	P134	GR1112	P258	GR1467	P165
GD9078	P133	GR0912	P135	GR1116	P258	GR1467	P168
GD9093	P124	GR0912	P248	GR1118	P258	GR1467	P168
GD9120	P18	GR0912	P256	GR1120	P258	GR1467	P170
GD9121	P127	GR1015	P254	GR1122	P256	GR1467	P172
GD9122	P127	GR1015	P264	GR1123	P258	GR1467	P194
GD9123	P127	GR1016	P254	GR1124	P258	GR1517	P180
GD9124	P127	GR1016	P264	GR1134	P258	GR1526	P177
GD9129-01	P102	GR1017	P254	GR1254	P186	GR1533	P260
GD9129-01	P122	GR1017	P264	GR1281	P189	GR1535	P260
GD9130	P127	GR1018	P254	GR1282	P189	GR1540	P260
GD9131	P252	GR1018	P264	GR1289	P189	GR1541	P260
GD9132	P252	GR1019	P254	GR1363	P138	GR1542	P260
GD9254	P34	GR1019	P264	GR1389	P258	GR1543	P258
GD9320	P247	GR1035	P190	GR1405	P67	GR1543	P260
GD9378	P249	GR1037	P198	GR1406	P67	GR1544	P260
GD9695	P58	GR1037	P98	GR1407	P67	GR1545	P260
GD9724	P36	GR1037	P152	GR1408	P67	GR1569	P24
GD9724	P38	GR1037	P152	GR1409	P67	GR1570MPP	P275
GD9971	P125	GR1037	P152	GR1410	P67	GR1574	P260

Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
GR1598	P177	GR2334	P275				
GR1708	P253	GR2335	P275				
GR1736	P232	GR2361	P174				
GR1762	P204	GR2362	P187				
GR1763	P204	GR2363	P187				
GR1777	P93	GR2368	P174				
GR1777	P232	GR2381	P78				
GR1777	P234	GR2381	P100				
GR1778	P140	GR2381	P159				
GR1795	P258	GR2382	P226				
GR1797	P258	GR2383	P159				
GR1799	P258	GR2383	P172				
GR1801	P258						
GR1802	P258						
GR1804	P258						
GR1805	P258						
GR1806	P258						
GR1808	P258						
GR1838	P208						
GR1839	P208						
GR1842MPP	P275						
GR1843	P140						
GR1848	P24						
GR1921	P140						
GR1923	P200						
GR1941	P253						
GR1943	P140						
GR1951	P140						
GR2003	P258						
GR2025	P164						
GR2025	P168						
GR2035	P190						
GR2041	P85						
GR2126	P226						
GR2127MPP	P275						
GR2154	P24						
GR2185	P258						
GR2193	P189						
GR2194	P189						
GR2217	P275						
GR2223	P180						
GR2229	P183						
GR2233	P140						
GR2240MPP	P275						
GR2241MPP	P275						
GR2274	P182						
GR2279	P208						
GR2312	P194						
GR2314	P83						
GR2332	P76						
GR2332	P99						
GR2333	P83						

This page left blank intentionally.